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RESULTS OF SHUTTLE TRANSPORTATION SYSTEM ASCENT AIR DATA SYSTEM CALIBRATION TEST USING THE 0.07-SCALE EXTERNAL OXYGEN HYDROGEN TANK FOREBODY MODEL (68-T) IN THE AEDC PWT 16-FOOT TRANSONIC WIND TUNNEL (IA132)

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HUNTSVILLE ELECTRONICS DIVISION CHRYSLER CORPORATION

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by

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Prepared under NASA Contract Number NAS9-13247

by

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for

Engineering Analysis Division

Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number:	PWT16T(TF505)
NASA Series Number:	IA132
Model Number:	68-T
Test Dates:	November 22, 1978 to December 14, 1978
Occupancy Hours:	116

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ABSTRACT

Tests were conducted on a 0.07-scale model of the shuttle transportation system (STS) external oxygen hydrogen tank (ECHT) forebody model (68-T) in the AEDC PWT 16-T Transonic Wind Tunnel during the period November 22, 1978 to December 14, 1978. Their purpose was to obtain a transonic calibration of the ascent air data system (AADS) through the Mach range of $0.4 \leq M_\infty \leq 1.55$. The AADS provides post-flight information on the STS launch vehicle Mach number, angle-of-attack, angle-of-sideslip and freestream static and dynamic pressures; all of which are measured by a pitot and four static pressure taps located 90° apart in the 30° half-angle spike on the ECHT nose. In addition, an alternate AADS was investigated which consisted of four static pressure taps located 90° apart at ECHT station 930. Shock detachment diagnostic information was also obtained from three static pressure taps located on the ECHT 39.4° nose cap bottom centerline. Finally, a limited survey of the tunnel flow in the vicinity of the AADS spike was performed using a Rosemount standard static probe and a 0.36-scale orbiter flight test probe.

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(O): DCPBT VS. α, DCPBT VS. MACH

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(Y): DPAOPS VS. α, DPAOPS VS. MACH

(Z): DPBOPS VS. α, DPBOPS VS. MACH

INTRODUCTION

This report presents the results of calibration tests conducted using a 0.07-scale forebody model of the STS External Oxygen Hydrogen Tank (EOHT) designated model 68-T in the AEDC 16-T Propulsion Wind Tunnel.

Test objectives were:

1. To provide a transonic calibration of the Ascent Air Air Data System (AADS) which consists of a pitot and four static pressure orifices located 90° apart in the 30° half-angle spike on the External Tank (ET) nose,

2. Investigate an alternate AADS which consists of four static pressure orifices located 90° apart at ET station 930,

3. To determine the best calibration parameter for data reduction,

4. Provide shock detachment diagnostic information from three flush static orifices on the ET 39.4° nose cap bottom centerline, and

5. Perform a limited survey of the tunnel flow in the vicinity of the AADS spike using a Rosemount Standard Static Probe(STD) and a 0.36-scale Orbiter Flight Test Probe (FT).

The test was conducted in the 16-foot Transonic Propulsion Wind Tunnel (16-T PWT) at Arnold Engineering Development Center during the period from November 22, 1978 to December 14, 1978. The model was tested at angles-of-attack and sideslip from -8° to +8°. Mach number was varied from 0.4 to 1.55 with a Reynolds number range of 1.0 to 4.0 x 10^6 per foot. A total of 261 good runs were accomplished in 116 occupancy hours.

NOMENCLATURE

SYMBOL	MNEMONIC	DEFINITION
	AADS	ascent air data system
	AFA	flow correction angle in pitch, positive up, degrees
	ALFI	sting pitch angle, degrees
	ALFIC	effective sting pitch angle, degrees
	ALFMU	model angle-of-attack uncorrected for flow angularity, degrees
	ALFMUP	model angle-of-attack in the pitch plane, degrees
α	ALPHA	model angle-of-attack, degrees
β	BETA	model angle-of-sideslip, degrees
	BETAMU	model angle-of-sideslip uncorrected for flow angularity, degrees
	BFA	flow angle correction in sideslip, positive from right to left looking upstream, degrees
B.P.	B.P.	model butt plane, inches
	CPAA	average tank conic probe pitch plane static pressure coefficient
	cpaba	average tank conic probe static pressure coefficient
	CPAAT	average tank ogive AADS pitch plane static pressure coefficient
	CPABAT	average tank ogive AADS static pressure coefficient
	CPAVGX	[(PAVGX - P)/Q(PSF)]
Cp_{lower}	CPB	tank conic probe lower (bottom) static pressure coefficient

NOMENCLATURE (Continued)

SYMBOL	MNEMONIC	DEFINITION
	CPBA	average tank conic probe yaw plane static pressure coefficient
	CPBAT	average tank ogive AADS yaw plane static pressure coefficient
	CPB-U, CPAD	(CPB - CPU)
	CPB5	[CPB - 1/2(DPA5/Q)]
C_{p_i}	CPI, CPXT	model static pressure coefficients, i = 1, 2, 3, 4 on tank ogive at M.S. 30.1 where x = B, L, U, R which represents bottom, left, upper, and right, respectively
C_{p_j}	CPJ	tank 39.4° conic cap pressure coefficient, j = 9, 10, 11
$C_{p_{left}}$	CPL	tank conic probe left static pressure coefficient
$C_{p_{right}}$	CPR	tank conic probe right static pressure coefficient
	CPRL	[1/2(CPR + CPL)]
	CPR-L, CPBD	(CPR - CPL)
	CPSD	[(PAVGXA - P)/PAVGXA]
$C_{p_{sf}}$	CPSF	flight test probe (FT) static pressure coefficient
$C_{p_{sra}}$	CPSRA	Rosemount standard (STD) aft static pressure coefficient
Cp_{srf}	CPSRF	Rosemount standard (STD) forward static pressure coefficient
Cp_{pitot}	CPT, CPTT	tank conic probe pitot pressure coefficient
Cp_{tf}	CPTF	flight test probe (FT) total pressure coefficient
$Cpto_i$	CPTOI	tank ogive pressure coefficient based on tank conic probe pitot pressure, i = 1, 2, 3, 4
$Cpto_x$	CPTOX	tank ogive pressure coefficient based on probe pitot, x = pitot, upper, lower, left, right

NOMENCLATURE (Continued)

SYMBOL	MNEMONIC	DEFINITION
	CPT2	total pressure coefficient behind the normal shock [(PT2 - P/Q(PSF)]
$C_{p_{upper}}$	CPU	tank conic probe upper static pressure coefficient
C_{p_x}	CPX	tank conic probe static pressure coefficient, x = pitot, upper, lower, left, right
	CP1-3, CPADT	(CP1-CP3) also equal to CPBT - CPUT
	CP4-2, CPBDT	(CP4-CP2) also equal to CPRT - CPLT
Δp_{α_5}	DPA5	differential pressure transducer measurement (PB-PU), psf
$\Delta p_{\alpha_5}/q_\infty$	DPA5/Q, DCPA	DPA5 ratioed to tunnel freestream dynamic pressure
Δp_{α_7}	DPA7	differential pressure transducer measurement (P1-P3), psf
$\Delta p_{\alpha_7}/q_\infty$	DPA7/Q, DCPAT	DPA7 ratioed to tunnel freestream dynamic pressure
Δp_{lower}	DPB	tank conic probe differential pressure measurement (PB-PC), psf
Δp_{β_6}	DPB6	differential pressure transducer measurement (PR-PL), psf
$\Delta p_{\beta_6}/q_\infty$	DPB6/Q, DPB8	DPB6 ratioed to tunnel freestream dynamic pressure
Δp_{β_8}	DPB8	differential pressure transducer measurement (P4-P2), psf
$\Delta p_{\beta_8}/q_\infty$	DPB8/Q, DCPBT	DPB8 ratioed to tunnel freestream dynamic pressure
Δp_i	DPI	tank ogive differential pressure measurement (PI-PC), psf, i = 1, 2, 3, 4
Δp_j	DPJ	tank 39.4° conic cap differential pressure measurement (PJ-PC), psf, j = 9, 10, 11

NOMENCLATURE (Continued)

SYMBOL	MNEMONIC	DEFINITION
Δp_{left}	DPL	tank conic probe differential pressure measurement (PL-PC), psf
Δp_{right}	DPR	tank conic probe differential pressure measurement (PR-PC), psf
Δp_{sf}	DPSF	flight test probe (FT) differential pressure measurement (PSF-PC), psf
Δp_{sra}	DPSRA	Rosemount aft static differential pressure measurement (PSRA-PC), psf
Δp_{srf}	DPSRF	Rosemount forward static differential pressure measurement (PSRF-PC), psf
Δp_{pitot}	DPT	tank conic probe differential pressure measurement (PTT-PC), psf
Δp_{tf}	DPTF	flight test probe (FT) differential pressure measurement (PTF-PT), psf
Δp_{upper}	DPU	tank conic probe differential pressure measurement (PU-PC), psf
Δp_{x}	DPX	tank conic probe differential pressure measurement at tap x, psf, x = T, L, R, B, U
	DCPBU	local spline curve fit slope of DCPA
	DCPRL	local spline curve fit slope of DCPB
	DCPBUT	local spline curve fit slope of DCPAT
	DCPRLT	local spline curve fit slope of DCPBT
	EOHT	external oxygen hydrogen tank
	EQNXX	Data Reduction section equation number, XX = 11-23, 33-48, 58-63
	ET	external tank (EOHT)
	FT	flight test probe (0.36-scale Rosemount)

NOMENCLATURE (Continued)

SYMBOL	MNEMONIC	DEFINITION
FO, 1, 2		crossflow curve fit constants
GO_2		gaseous oxygen
M_∞	MACH	tunnel freestream Mach number
	MIND	indicated local Mach number
M.S.		model station
	N	total model normal force, lbs.
p_∞	P,PS	tunnel freestream static pressure, psfa
	PAVGI	1/4(P1 + P2 + P3 + P4)
	PAVGX	1/4(PBT + PUT + PRT + PLT)
	PAVGXA	[PBT + 1/2(PUT - PBT)]
p_{lower}	PB	tank conic probe lower static pressure, psfa
	PC	tunnel plenum chamber static pressure, psfa
	PCAL	transducer calibration pressure, psfa
ϕ	PHI	model roll angle, degrees
	PHII	sting roll angle, degrees
p_i	PI	tank ogive pressure, psfa, i = 1, 2, 3, 4
p_j	PJ	tank 39.4° conic cap pressure, psfa, j = 9, 10, 11
p_{left}	PL	tank conic probe left static pressure, psfa
	POINT	a single record of all test parameters
	PREF	reference pressure, psfa
p_{right}	PR	tank conic probe right static pressure, psfa
p_{sf}	PSF	flight test probe (FT) static pressure, psfa

NOMENCLATURE (Continued)

SYMBOL	MNEMONIC	DEFINITION
p_{sra}	PSRA	Rosemount standard (STD) aft static pressure, psfa
p_{srf}	PSRF	Rosemount standard (STD) forward static pressure, psfa
p_{t_∞}	PT	tunnel freestream total pressure, psfa
p_{tf}	PTF	flight test probe (FT) total pressure, psfa
	PTTPT2	(PTT/PT2)
p_{pitot}	PTT	tank conic probe pitot pressure, psfa
p_{t_2}	PT2	tunnel total pressure behind the shock, psfa
p_{upper}	PU	tank conic probe upper static pressure, psfa
	QC/Q	tunnel condition [(PT2-P)/Q(PSF)]
q_∞	Q(PSF), Q	tunnel freestream dynamic pressure, psfa
R_e/ft	RN/L	tunnel unit Reynolds number x 10^{-6}ft.$^{-1}$
	RUN	a data subset containing variations of only one independent number
	S	total model side force, lbs.
	STD	Rosemount standard static probe
	TDUCER	temperature inside pressure transducer container, ^{o}F
	THETAI	sting angle of attack, degrees
	TMODEL	model temperature in vicinity of and external to the pressure transducer container, ^{o}F
T_t	TTF	tunnel freestream total temperature, ^{o}F
W.P.		model water plane, inches

NOMENCLATURE (Concluded)

SYMBOL	MNEMONIC	DEFINITION
	ZSTRUT	probe survey vertical position, inches from tunnel centerline, positive up

SUBSCRIPTS

α	alpha-sensitive pressure taps: Pupper, Plower, or p_1, p_3
β	beta-sensitive pressure taps: Pleft, Pright, or p_4, p_2
i	tank ogive pressure tap, i = 1, 2, 3, 4
j	tank 39.4° conic cap pressure tap, j = 9, 10, 11
n	data point number at α_n or β_n
o	pressure coefficient based on tank conic probe pitot pressure
x	tank conic probe pressure taps where x = pitot, upper, lower, left, right

REMARKS

During test preparation and instrumentation hookup, after the test section cart was installed, the 10 best of 16 model-mounted pressure transducers received an overvoltage excitation which caused irrepairable damage. Available pressure transducer replacements were made with instruments of a lower overall quality than those that were damaged, and for that reason, some data runs at the beginning of the test suffered pressure coefficient uncertainties much greater than ±0.005. Moreover, it was discovered that the strain gauges on the instrumented 4-component sting balance became unbonded during the initial portion of the tests, and it was necessary to remove the model from the cart and regauge the sting after run 117. (During this time period the probe survey was accomplished.)

With the sting balance repaired and the model back in the tunnel, it became evident that the replacement pressure transducers in combination with the facility "P^2B" reference system were not providing the required pressure accuracies; hence, after run 239 the entire instrumentation package was removed from the model and modified to accept 16 DRUCK-brand differential pressure transducers supplied by AEDC. Concurrently, AEDC made some extensive plumbing modifications in order to directly utilize their Datametrics quartz manometer tunnel pressure reference system.

After these extensive instrumentation modifications and repairs, all test data obtained was of high quality and is considered reliable except for M = 0.4, where the tunnel maximum RN/L available was only

1×10^6 ft.$^{-1}$(q=85 psf). Following is a summary of instrumentation change impacts on test data:

RUN NO.	TYPE OF DATA	STATUS
58-117	Pressure and force	Not reliable due to sting balance malfunction and low accuracy pressure transducer data.
212-219	Pressure	All data reduced using the run 220 wind off zero. Probe C_p uncertainties are as high as ±0.02 for M = 0.6 and ±0.05 for M = 0.4.
225-233	Pressure	Probe C_p uncertainties between ±0.007 and ±0.025.
237, 239	Pressure	Probe C_p uncertainty between ±0.010 to ±0.012.
261-283	Probe pitot pressure (PTT)	Data appears low in spite of good leak check and clean orifice.
283-294	Probe lower pressure (PB)	Pressure developed a slow leak sometime after run 283 and before run 294; data appears okay when checked with repeat runs 116, 261 and 281.
295, 296	Probe right pressure (PR)	C_p variation between CPR-L and DPB6/Q is large; ΔC_p = ±0.08.

NOTE: All test data is good, unless specifically stated otherwise in the above remarks.

CONFIGURATIONS INVESTIGATED

The test article provided was a 0.07-scale replica of the space shuttle transportation system external tank forebody. The external tank forebody lines are defined in Rockwell drawing VC78-000002, revised by ICD-2-00001 revision "D" with additional PIRM data approved by Martin-Marrietta. Model forebody lines are duplicated from the nose back to external tank station X_T = 819.63. The GO_2 vent line and electrical cable tray are simulated from the aft face of the cable tray fairing at the cone-ogive interface, aft to the cylindrical section at X_T = 760.35. From station 760.35 to 819.63 the model is a plain cylinder, which tapers slightly to the sting at X_T = 1119.67. (See Figure 2b) The louvers on the 39.4° conical surface are penetrations simulated by stepped cuts. All protuberances, including the cable tray fairing, electrical tray, GO_2 line and brackets are removable, and are depicted in Figures 2c and 2d.

In addition to the model, whose installation is shown in Figure 2a, a Rosemount standard static probe and a 0.36-scale flight test probe were mounted in the tunnel, each as a separate installation, in order to survey the test section flow field in the vicinity of the external tank conic nose probe. Respective sketches of the probes are shown in Figures 2f and 2g.

In total, 4 model and survey probe configurations were tested:

1. External tank forebody (T_{41}) with louvers filled in, cable tray fairing, cable tray and GO_2 line removed. (Symmetric model configuration.)

2. External tank forebody (T_{41}) with simulated louvers open, cable tray fairing, cable tray and GO_2 line installed.

3. Rosemount standard static probe (PR_{12}).

4. 0.36-scale flight test probe (PR_4).

The above listed configurations consisted of model components and probes whose nomenclature and descriptions are listed below:

Nomenclature	Description
T_{41}	External tank forebody which includes the GO_2 vent line, electrical cable tray and brackets, cable tray fairing and simulated louvers. Tank interstage structure and other protuberances and penetrations were not simulated.
PR_4	Flight test probe scaled to a 0.36 SSV orbiter model. Probe has pitot and static orifices. (Pressures indicative of angle were not sensed.)
PR_{12}	Rosemount standard static probe. Contains static pressure orifices at two probe stations.

Dimensional data for the above components may be found in Table III of this report.

INSTRUMENTATION

Instrumentation utilized for this test consisted of force, pressure, and attitude-measuring equipment. The Rockwell-built W-1170-500 instrumented sting assembly was used to measure 4-component loads acting on the model. The loads information was gathered solely as a means of determining deflections of the model support system in the pitch and yaw planes. The model moment reference center was located at the center of the balance: M.S. 54.485, B.P.0, W.P.28.00. All loadings with their respective forces and moments were referenced to this point.

The forebody model and probe pressure instrumentation consisted of a total of 20 measurements whose distributions were as follows:

PRESSURE MEASUREMENT NUMBER	DIFFERENTIAL QUANTITY	PRESSURE LOCATION
DP1	P1 - PC	Lower Tank Ogive Surface
DP2	P2 - PC	Left Tank Ogive Surface
DP3	P3 - PC	Upper Tank Ogive Surface
DP4	P4 - PC	Right Tank Ogive Surface
DPA5	PB - PU	Tank Conic Probe
DPB6	PR - PL	Tank Conic Probe
DPA7	P1 - P3	Tank Ogive Surface
DPB8	P4 - P2	Tank Ogive Surface
DP9	P9 - PC	39.4° Conic Surface (bottom centerline)
DP10	P10 - PC	39.4° Conic Surface (bottom centerline)
DP11	P11 - PC	39.4° Conic Surface (bottom centerline)

PRESSURE MEASUREMENT NUMBER	DIFFERENTIAL QUANTITY	PRESSURE LOCATION
DPT	PTT - PC	Tip of Conic Probe (pitot)
DPB	PB - PC	Lower 30° Conic Surface
DPU	PU - PC	Upper 30° Conic Surface
DPR	PR - PC	Right 30° Conic Surface
DPL	PL - PC	Left 30° Conic Surface
DPSRA	PSRA - PC	Rosemount Standard (aft taps)
DPSRF	PSRF - PC	Rosemount Standard (forward taps)
DPTF	PTF - PT	Flight Test Probe Total
DPSF	PSF - PC	Flight Test Probe Static

All model pressures were measured with twelve (12), ±15 psid individual Druck PDCR-22 differential pressure transducers mounted in individual holders, and installed in a thermally controlled, vibration-isolated container located in the upper-aft section of the model boat-tail. In addition, four (4) ±15 psid individual Druck differential pressure transducers measured the difference in pressures between lower and upper orifices and between right and left orifices on the 30° conic probe and the tank ogive nose at M.S.30.80. The four differential transducers were also installed with the other twelve transducers in the thermally controlled container, and all were maintained at a nominal constant temperature of 118°F.

The instrumentation container was a cylindrical can with an internal

framework that suspended a transducer support bracket with 8 springs. A 110 VAC heater blanket was wrapped around the inside surface of the cylindrical container and was maintained at a constant temperature by a thermal controller. Two I/C thermocouples (one for the feedback loop of the controller) were attached to the transducer bracket and one I/C thermocouple was fastened to the inside of the model near the instrumentation container to monitor model temperatures during the test. Model pressure tap identifications are listed in Table IV and depicted in Figure 2e.

Individual probe survey pressures were obtained by use of flexible tubing which was routed through the center of the sting, down the strut, to facility-supplied P^2B ±5 psid differential pressure cells located in the tunnel plenum chamber surrounding the test section. A description of each probe along with orifice designations can be found in Figures 2f and 2g.

An AEDC-supplied angular position indicator was installed inside the aft boattail portion of the model, and used to provide backup model angle-of-attack. The instrument was capable of angle-of-attack indication at either $\phi = 0^\circ$ or 180°.

Electrical signals from all instrumentation were digitized from on-line data reduction and display by the facility computer. Data were transmitted to an IBM 370/165 computer for use by an interactive graphics system for on-line data evaluation and comparative analysis. A Hewlett-

Packard (H-P) 9830A minicomputer furnished by NASA was also connected to the IBM 370/165 computer. The H-P system was used to provide additional on-line data analysis and to print and plot data during the test.

TEST FACILITY DESCRIPTION

The AEDC PWT 16-Ft. Transonic Tunnel (Propulsion Wind Tunnel, Transonic 16T) is a continuous-flow closed-circuit tunnel capable of operation within a Mach number range of 0.20 to 1.60. The tunnel can be operated within a stagnation pressure range of 120 to 4000 psfa depending upon the Mach number. The stagnation temperature can be varied from an average minimum of about 80 to a maximum of 160°F as a function of cooling water temperature. Using a special cooling system of mineral spirits, liquid nitrogen, and liquid air, the stagnation temperature range can be varied from +30 to -30°F. Supersonic velocities are obtained by use of flexible-wall, Laval-type nozzles.

The test section is 16-ft. square (in cross section) and 40-ft. long. The entire test section and supporting structure is constructed as a separate unit, called the test section cart, and is removable from the tunnel circuit. The test section carts may be moved to the model installation building where the test article and associated equipment are installed.

Two 40-ft. long test section carts are available for testing throughout the design temperature range.

The test section is completely enclosed in a plenum chamber which can be evacuated, allowing part of the tunnel main flow to be removed through the test section perforated walls, thereby unchoking the test section at near sonic speeds and alleviating wall interference effects.

TEST PROCEDURE

Before the test began, calibration and check-out of all model pressure and temperature-control instrumentation was performed at the Los Angeles Division of Rockwell International. From there, the model and all test equipment was shipped to the NASA/Ames Research Center for wind tunnel test IA131B, where model/system reliability was demonstrated. After completion of Test IA131B, the model and test equipment was transported to AEDC.

Prior to model arrival at AEDC, completion of the Rockwell W-1170-500 sting balance calibration was accomplished by AEDC personnel. This calibration was performed in the supersonic cart using actual test sting hardware along with weights, a hydraulic jack and a load cell.

After receipt of the model and test hardware at AEDC, additional check-out procedures and model preparation took place. The following pieces of hardware were installed in the 16-T cart #2:

1. AEDC sting #S-5.533M-123.26-9.125M
2. Rockwell W-1184-2 sting adapter
3. Rockwell W-1170-500 balance assembly

A sketch of model 68-T installed on the above hardware in the AEDC 16-T PWT is included in this report (See figure 2a).

Before test data were obtained, the facility made five "dust blow" runs to determine the amount of particle contamination in the tunnel airstream. This was deemed necessary because parts of a fiberglass model went down the tunnel on a previous test and some particulate matter was

still in the tunnel circuit. These runs were made with a nylon nose plug in place of the model AADS conic spike (to prevent particle damage) and the transducer container removed from the model so that replacement pressure transducers could be installed. (See the Remarks section for details.)

Additional prerun activity consisted of: in-tunnel balance check loadings, transit measurements of tunnel/model yaw alignment, model pitch angle calibrations, pressure transducer calibrations, and model pitch and roll static tare calibrations. A complete pressure tap leak and continuity check was made on the starting configuration before data were obtained.

With the desired test conditions set, data were acquired to determine test section flow angularities by varying model angle-of-attack at zero sideslip angle (ϕ = 0° and 180°). Data were also obtained over an α/β matrix in which the model angle-of-attack was varied from -8 to +8 degrees at nominal constant angles-of-sideslip of -6 to +6 degrees. At nominal sideslip angles of -8 and +8 degrees, angle-of-attack was varied from -6 to +6 degrees.

Flow field surveys were obtained by individually sting mounting the Rosemount standard static probe and the 0.36-scale flight test probe. For each probe installation, the following sting hardware was attached to the AEDC 5.533M-123.26-9.125M sting (See model photographs 3f and g):

1. AEDC sting adapter SA-2.960F-17.64-5.533F

2. AEDC sting S-1.850F-48.67-2.960M

3. AEDC sting PT005696-2 (holds Rosemount standard)

4. AEDC adapter PT005696-4 (holds 0.36-scale flight test probe)

After a complete leak check on each probe, data were obtained in the vertical plane of the tunnel at centerline, and 8 and 16 inches above and below centerline.

When the probe survey phase was completed and the model sting balance was regauged and recalibrated (see the Remarks section for details), the model was put back in the tunnel and the test was resumed. A complete summary of Test Conditions is shown in Table I. The Data Set/Run Number Collation Summary is presented in Table II.

DATA REDUCTION

Data measured and recorded during test IA132 consisted of the following:

1. Tunnel freestream conditions and parameters
2. Instrumented sting balance data
3. Model pitch and roll attitudes
4. Model and pressure transducer container temperatures
5. Tank conic probe static and pitot pressures
6. Tank ogive static pressures
7. Tank 39.4° conic cap diagnostic static pressures
8. Rosemount standard static probe pressures
9. 0.36-scale flight test probe static and total pressures

Tunnel freestream conditions and parameters were reduced using AEDC 16-T PWT standard data reduction techniques. Four-component force balance (instrumented sting) data were also reduced, using standard facility data reduction techniques, to provide corrections to angle-of-attack and sideslip due to sting deflections under load. No aerodynamic coefficient data were obtained. Balance forces and moments were applied to the sting/support deflection equations for determination of model pitch and yaw attitudes. Adjustments were made to pitch angles (at zero roll) for tunnel upflow and crossflow based upon the results of $\phi = 0^\circ$ and 180° runs. These adjustments are presented as AFA and BFA in Table V, with the basic form of the correction to α and β being:

$$\alpha = \text{ALFMU} + \text{AFA}\cos\phi + \text{BFA}\sin\phi$$

$$\beta = \text{BETAMU} + \text{BFA}\cos\phi + \text{AFA}\sin\phi$$

DATA REDUCTION (Continued)

All probe and model pressures were reduced to standard coefficient form. Readings from each pressure transducer were presented as differential and absolute pressures except for the four pressure transducers (DP5, 6, 7, 8) which were hooked up to sense only the direct differential between model or probe pressures.

The following additional data reduction parameters were calculated by the facility:

Tank Conic Probe Pressures

Pressure Coefficients and Ratios:

	(a)	(b)	(c)	(d)	(e)	
$C_{p_x} = \frac{p_x - p_\infty}{q_\infty}$;	CPT,	CPU,	CPB,	CPL,	CPR	(1)
where x =	pitot,	upper,	lower,	left,	right	
$C_{pto_x} = \frac{p_x - p_\infty}{p_{pitot}}$;	CPTOT,	CPTOU,	CPTOB,	CPTOL,	CPTOR	(2)
$\frac{p_x}{p_\infty}$;	$\frac{PTT}{P}$,	$\frac{PU}{P}$,	$\frac{PB}{P}$,	$\frac{PL}{P}$,	$\frac{PR}{P}$	(3)
$\frac{p_x}{p_{T_\infty}}$;	$\frac{PTT}{PT}$,	$\frac{PU}{PT}$,	$\frac{PB}{PT}$,	$\frac{PL}{PT}$,	$\frac{PR}{PT}$	(4)

	(a)	(b)	(c)	(d)	
$\frac{p_x}{p_{pitot}}$;	$\frac{PU}{PTT}$ = PUTPTT	$\frac{PB}{PTT}$ = PBTPTT	$\frac{PL}{PTT}$ = PLTPTT	$\frac{PR}{PTT}$ = PRTPTT	(5)
where x =	upper,	lower,	left,	right	

DATA REDUCTION (Continued)

$$\frac{\bar{p}_x}{p_\infty};\quad \frac{PAVGX}{P} = PGX/P \quad \text{where } \bar{p}_x = 1/4\,(p_{lower} + p_{upper} + p_{right} + p_{left}) \tag{6}$$

$$\frac{\bar{p}_x - p_\infty}{q_\infty};\quad \frac{PAVGX-P}{Q(PSF)} = CPAVGX \tag{6a}$$

$$\frac{\bar{p}_{x_\alpha}}{p_\infty};\quad \frac{PAVGXA}{P} = PGXA/P \quad \text{where } \bar{p}_{x_\alpha} = p_{lower} + 1/2\,(p_{upper} - p_{lower}) \tag{7}$$

$$C_{p_{lower}} - 1/2(\Delta p_{\alpha_5}/q_\infty);\quad CPB - 1/2(DPA5/Q) = CPB5 \tag{7a}$$

$$1/2\left(C_{p_{right}} + C_{p_{left}}\right);\quad 1/2\left(CPR + CPL\right) = CPRL \tag{7b}$$

$$\frac{\bar{p}_x}{p_{t_\infty}};\quad \frac{PAVGX}{PT} = PGX/PT \tag{8}$$

$$\frac{\bar{p}_{x_\alpha}}{p_{t_\infty}};\quad \frac{PAVGXA}{PT} = PGXAPT \tag{9}$$

$$\frac{\bar{p}_x}{p_{pitot}};\quad \frac{PAVGX}{PTT} = PGXPTT \tag{10}$$

$$\frac{\bar{p}_{x\,\alpha}}{p_{pitot}};\quad \frac{PAVGXA}{PTT} = EQ11 \tag{11}$$

$$\frac{p_{pitot} - \bar{p}_x}{q_\infty};\quad \frac{PTT-PAVGX}{Q(PSF)} = EQ12 \tag{12}$$

$$\frac{p_{pitot} - \bar{p}_{x_\alpha}}{q_\infty};\quad \frac{PTT-PAVGXA}{Q(PSF)} = EQ13 \tag{13}$$

DATA REDUCTION (Continued)

Decrements:

$$\frac{\bar{p}_x - p_\infty}{p_{pitot} - \bar{p}_x}; \quad \frac{PAVGX - P}{PTT - PAVGX} = EQ14 \tag{14}$$

$$\frac{\bar{p}_{x\alpha} - p_\infty}{p_{pitot} - \bar{p}_{x\alpha}}; \quad \frac{PAVGXA - P}{PTT - PAVGXA} = EQ15 \tag{15}$$

$$\frac{p_{pitot} - p_{T_\infty}}{p_{pitot} - \bar{p}_x}; \quad \frac{PTT - PT}{PTT - PAVGX} = EQ16 \tag{16}$$

$$\frac{p_{pitot} - p_{t_\infty}}{p_{pitot} - \bar{p}_{x\alpha}}; \quad \frac{PTT - PT}{PTT - PAVGXA} = EQ17 \tag{17}$$

$$\frac{p_{lower} - p_\infty}{p_{pitot} - p_{lower}}; \quad \frac{PB - P}{PTT - PB} = EQ18 \tag{18}$$

$$\frac{p_{pitot} - p_{t_\infty}}{p_{pitot} - p_{lower}}; \quad \frac{PTT - PT}{PTT - PB} = EQ19 \tag{19}$$

$$\frac{\bar{p}_x - p_\infty}{p_{pitot}}; \quad \frac{PAVGX - P}{PTT} = EQ20 \tag{20}$$

$$\frac{\bar{p}_{x\alpha} - p_\infty}{p_{pitot}}; \quad \frac{PAVGXA - P}{PTT} = EQ21 \tag{21}$$

$$\frac{p_{pitot} - p_{T_\infty}}{p_{pitot}}; \quad \frac{PTT - PT}{PTT} = EQ22 \tag{22}$$

$$\frac{p_{lower} - p_\infty}{p_{pitot}}; \quad \frac{PB - P}{PTT} = EQ23 \tag{23}$$

$$\frac{\bar{p}_{x_\alpha} - p_\infty}{\bar{p}_{x_\alpha}};\ \frac{PAVGXA - P}{PAVGXA} = CPSD \tag{24}$$

Miscellaneous Calibration Parameters:

$$M_{ind} = \sqrt{5\left(\frac{p_{pitot}}{\bar{p}_{x_\alpha}}\right)^{2/7} - 1}\ ;\quad \bar{p}_{x_\alpha} = p_{lower} + \frac{1}{2}\left(p_{upper} - p_{lower}\right)$$

$$MIND = \sqrt{5\left(\frac{PTT}{PAVGXA}\right)^{2/7} - 1}$$

$$PTTPT2 = \frac{PTT}{PT2}$$

Tank Ogive Pressures

Pressure Coefficients and Ratios:

$$C_{p_{i,j}} = \frac{p_{i,j} - p_\infty}{q_\infty};\quad \begin{matrix}(a)\\ CP1,\end{matrix}\ \begin{matrix}(b)\\ CP2,\end{matrix}\ \begin{matrix}(c)\\ CP3,\end{matrix}\ \begin{matrix}(d)\\ CP4,\end{matrix}\ \begin{matrix}(e)\\ CP9,\end{matrix}\ \begin{matrix}(f)\\ CP10,\end{matrix}\ \begin{matrix}(g)\\ CP11\end{matrix} \tag{50}$$

$i = 1\text{-}4,\ j = 9\text{-}11$

$$C_{p_{t_{o_i}}} = \frac{p_i - p_\infty}{p_{pitot}};\quad CPTO1,\ CPTO2,\ CPTO3,\ CPTO4 \tag{51}$$

$$\frac{p_i}{p_\infty};\quad \frac{P1}{P},\ \frac{P2}{P},\ \frac{P3}{P},\ \frac{P4}{P};\ i = 1\text{-}4 \tag{52}$$

$$\frac{p_i}{p_{T_\infty}};\quad \frac{P1}{PT},\ \frac{P2}{PT},\ \frac{P3}{PT},\ \frac{P4}{PT} \tag{53}$$

$$\frac{p_i}{p_{pitot}};\quad \frac{P1}{PTT},\ \frac{P2}{PTT},\ \frac{P3}{PTT},\ \frac{P4}{PTT} \tag{54}$$

$$\frac{\bar{P}_i}{p_\infty}; \quad \frac{PAVGI}{P} = PGI/P \qquad \bar{P}_i = 1/4\,(P_1 + P_2 + P_3 + P_4) \tag{55}$$

$$\frac{\bar{P}_i}{P_{T_\infty}}; \quad \frac{PAVGI}{PT} = PGI/PT \tag{56}$$

$$\frac{\bar{P}_i}{p_{pitot}}; \quad \frac{PAVGI}{PTT} = PGIPTT \tag{57}$$

Decrements:

$$\frac{\bar{P}_i - p_\infty}{p_{pitot} - \bar{P}_i}; \quad \frac{PAVGI-P}{PTT-PAVGI}; = EQ58 \qquad \bar{P}_i = 1/4\,(P_1 + P_2 + P_3 + P_4) \tag{58}$$

$$\frac{p_{pitot} - P_{T_\infty}}{p_{pitot} - \bar{P}_i}; \quad \frac{PTT-PT}{PTT-PAVGI} = EQ59 \tag{59}$$

$$\frac{P_1 - p_\infty}{p_{pitot} - P_1}; \quad \frac{P1 - P}{PTT-P1} = EQ60 \tag{60}$$

$$\frac{p_{pitot} - P_{T_\infty}}{p_{pitot} - P_1}; \quad \frac{PTT - PT}{PTT - P1} = EQ61 \tag{61}$$

$$\frac{\bar{P}_i - p_\infty}{p_{pitot}}; \quad \frac{PAVGI - P}{PTT} = EQ62 \tag{62}$$

$$\frac{P_1 - p_\infty}{p_{pitot}}; \quad \frac{P1 - P}{PTT} = EQ63 \tag{63}$$

These calibration parameters were computed by the facility and are available on the Chrysler/DATAMAN data base. JSC requested that several additional calibration parameters be computed. These have been documented in DMS special request 8I. A very comprehensive AADS calibration parameters survey is available. Basic data presented in this report consists of the following items: the basic measurements (in coefficient form), six averages and four slopes. From these basic data any desired calibration parameter can be obtained.

The averages and slopes for the spike probe are defined as follows:

$$CPAA = \frac{PAAVE - PS}{Q} \text{ where } PAAVE = \frac{2PB - DPA5}{2}$$

$$CPBA = \frac{PBAVE - PS}{Q} \text{ where } PBAVE = \frac{2PR - DPB6}{2}$$

$$CPABA = \frac{PAVE - PS}{Q} \text{ where } PAVE = \frac{PAAVE + PBAVE}{2}$$

DCPBU and DCPRL are the spline curve fit local slopes for DCPA and DCPB, respectively. The derivative of the spline curve fit with respect to the sweep variable is evaluated at each point.

The averages and slopes for the tank ogive AADS are defined as follows:

$$CPAAT = \frac{P_{AAVET}-PS}{Q} \text{ where } P_{AAVET} = \frac{2PBT-DPA7}{2}$$

$$CPBAT = \frac{P_{BAVET}-PS}{Q} \text{ where } P_{BAVET} = \frac{2PRT-DPB8}{2}$$

$$CPABAT = \frac{P_{AVET}-PS}{Q} \text{ where } P_{AVET} = \frac{P_{AAVET} + P_{BAVET}}{2}$$

DCPBUT and DCPRLT are the spline curve fit local slopes for DCPAT and DCPBT, respectively. The derivative of the spline curve fit with respect to the sweep variable is evaluated at each point.

The facility furnished data tape values for QC/Q were incorrect. DATAMAN computed replacement values as

$$QC/Q = (PT2-PS)/Q$$

On the facility data tape the sixth point in run 89 (dataset 16) had α value $\approx -8.4^{o}$. This run is a yaw sweep at a nominal α of zero. This point is obviously in error and was deleted by DATAMAN. All data presented are felt to be correct.

Just before this report was to be published the revised Ascent Air Data System calibration (Reference 4) became available. Johnson Space Center (JSC) engineers identified eleven of these calibration parameters that they wanted included in this document provided this would not cause a large delay in its being published. Upon reviewing these parameters it was felt that to duplicate the computation of the indicated angle of

attack and angle of sideslip parameters would require a large amount of time and effort. The remaining nine calibration parameters could be processed quickly by DATAMAN. Therefore it was decided to add only the remaining nine calibration parameters to this report.

The calibration parameters are defined as follows:

$$CPALPH = \frac{DPA5}{PTT} = \frac{\Delta P_{\alpha 5}}{PTT}$$

$$CPBETA = \frac{DPB6}{PTT} = \frac{\Delta P_{\beta 6}}{PTT}$$

$$CPMACH = \frac{PTT}{PAAVE}$$

$$CPSD = \frac{PAAVE-PS}{PAAVE} \quad \text{Static Pressure Decrement}$$

$$CPTD = \frac{PTT-PT2}{PTT} \quad \text{Total Pressure Decrement}$$

$$PBOPS = PB/PS$$

$$PTOPS = PTT/PS$$

$$DPAOPS = DPA5/PS$$

$$DPBOPS = DPB6/PS$$

The AADS calibration parameter presentation of this report is different from that of Reference 4. These JSC requested AADS calibration parameters were computed for data that was Mach, α and β interpolated only. This provided the variation of the parameters with respect to the three primary test variables. Because this report was essentially complete when the addition of these calibration parameters were requested, they are added behind the basic data.

RESULTS AND DISCUSSION

Test data repeatability was monitored throughout the test and was within ±0.10 degrees on both the alpha and beta sensitive pressure parameters. Pressure coefficient repeatability was generally within ±0.005; a value which was further reinforced by comparison of the individual pressures with the direct pressure differentials on the spike and ogive pressures. Deviations from $\Delta C_p = \pm 0.005$ occurred at M = 0.40 and at various other conditions as enumerated in the Remarks section.

ARO, Inc., made an estimate of the uncertainty in test measurements, and the results are presented in Reference 2 as follows: Uncertainties (combinations of systematic and random errors) of the basic tunnel parameters ..... were estimated from repeat calibration of instrumentation and from the repeatability and uniformity of the test section flow during tunnel calibration. Uncertainties in the instrumentation systems were estimated from repeat calibration of the systems against secondary standards whose uncertainties are traceable to the National Bureau of Standards calibration equipment. The instrument uncertainties are combined using the Taylor series method of error propagation ..... to determine the uncertainties of the reduced parameters."

The following uncertainties are estimated for typical test conditions:

M	ΔC_p	$\Delta \alpha, \beta$*
±0.60	±0.0051	±0.10°
±0.90	±0.0046	↓
±1.25	±0.0043	
±1.50	±0.0044	

* Due to uncertainties in sting pitch, roll, and sting deflections.

RESULTS AND DISCUSSION (Concluded)

A preliminary analysis of the test data indicates the following:

1. An apparent Reynolds number sensitivity between M = 0.9 and 1.55.

2. The detached tank bow shock passes over the 30° conic probe orifices at M $\approx$ 1.50 and causes the probe data to be scattered and erratic.

3. A separated region in the vicinity of the $10^{\circ}/40^{\circ}$ conic juncture (aft of the 30° cone) exists for all Mach numbers.

4. 30° conic probe sensitivity (DPA5/Q or DPB6/Q) was less than predicted. Theoretical sensitivity was 0.05 per degree; test results were 0.04 $\pm$0.005 per degree for the Mach range tested.

REFERENCES

1. W. R. Carlson and R. R. Burrows, "Pretest Information for Transonic Ascent Air Data System Calibration Test IA132 Using the 0.07-Scale External Tank Forebody Model 68-T in the AEDC 16-T Transonic Wind Tunnel." SD78-SH-0178, dated August, 1978.

2. C. J. Spurling, "Calibration Tests of the NASA Ascent Air Data System at Mach Numbers from 0.40 to 1.55," AEDC-TSR-79-P6, dated January 29, 1979.

3. "Structural Analysis of the 0.07-Scale 68-T Model ECHT Air Data Probe," Rockwell-Los Angeles Division Report NA-76-231, revised May, 1978.

4. A. L. Mena, "Revised Ascent Data System Calibration." Rockwell International Space Systems Group SAS/AERO/80-719, dated October 24, 1980.

5. R. R. Burrows and W. R. Carlson, "Results of Shuttle Transportation System Ascent Air Data System High Supersonic Calibration Test Using the 0.07-Scale External Oxygen Hydrogen Tank Forebody Model (68-T) in the Unitary Plan High Speed Leg of the LaRC 4 x 4 Wind Tunnel (IA180)." DMS-DR-2457, NASA-CR-160,813, dated November 1980.

6. H. R. Carroll and W. B. Meinders, "Review of AADS Wind Vector Sensing System from IA137 Data." DMS-SPRTI4, dated August 1976.

TABLE I.

TEST : IA132 (TF505) DATE : 12/14/78

TEST CONDITIONS

MACH NUMBER	REYNOLDS NUMBER (per unit length)	DYNAMIC PRESSURE (pounds/sq. ft.)	STAGNATION TEMPERATURE (degrees Fahrenheit)
0.40	1.0	85	73
0.60	2.5	320	110
0.60	3.8	500	
0.80	2.0	320	
0.80	3.9	630	
0.90	2.0	350	
0.90	4.0	700	
1.10	1.9	370	
1.10	3.9	760	
1.25	1.95	400	
1.25	3.9	810	
1.40	2.0	430	
1.40	3.6	760	
1.425	2.0	430	
1.425	3.5	760	
1.45	2.0	430	

BALANCE UTILIZED: _____

	CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF			
SF			
AF			
PM			
RM			
YM			

COMMENTS:

TABLE I. (Concluded)

TEST : IA132 (TF505) DATE : 12/14/78

TEST CONDITIONS

MACH NUMBER	REYNOLDS NUMBER (per unit length)	DYNAMIC PRESSURE (pounds/sq. ft)	STAGNATION TEMPERATURE (degrees Fahrenheit)
1.45	3.5	760	110
1.475	2.0	435	↓
1.475	3.3	720	
1.50	2.0	435	
1.50	3.3	720	
1.525	2.0	440	
1.525	3.2	690	
1.55	2.0	440	
1.55	3.15	690	

BALANCE UTILIZED: ROCKWELL W-1170-500 INSTRUMENTED STING

	* CAPACITY:	ACCURACY:	COEFFICIENT TOLERANCE:
NF	±8000 lbs		
SF	±4000 lbs		
AF			
PM			
RM			
YM			

COMMENTS: * Based on a load at M.S. 54.485 to produce 30 KSI stress at the strain-gauged sections.

TABLE II.

SHEET 1 of 5 JEV

TEST : IA132 (AEDC PWT-TF505)

DATA SET RUN NUMBER COLLATION SUMMARY

DATE : DEC. 14, 1978

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES RN/FT	PARAMETERS/VALUES φ	MACH NUMBERS 0.4	0.6	0.8	0.9	1.10	1.25	1.40	1.45	1.50	1.55
R4R001 ☆	TANK W/φ FAIRINGS	C	0	MIN	0°	83	116	96	98	101	107	108	111	112	115
02	LOUVERS FILLED					58	92				102				
03							87								
04							60								
05	*					212	(J) 225	226	228	230	(K) 518	232	234	236	238
06	*						215								
07	**						261	273	264	272	265	271	268	269	270
08					180°	85	88	97	99	100	103	109	110	113	114
09						84	61								
10						59									
11	*					213	214	227	229	231	(K) 519	233	235	237	239
12	**										(K) 266				
13	**										(L) 267				

TEST RUN NUMBERS

* RUNS MADE AFTER REGAGING BALANCE

** RUNS MADE AFTER REPLACING TRANSDUCERS

α OR β SCHEDULES

C) 0°, ±2°, ±4°, ±6°, ±8°

J) 0, ±4, ±8

K) 0, ±2, ±4, ±6

L) −8, −4, 0

☆ See TAIL COEFFICIENT KEY

NASA-MSFC-MAF

TABLE II (Continued)

SHEET 2 of 5 JEV

TEST : IA 132 (AEDC PWT-TF505) DATA SET/RUN NUMBER COLLATION SUMMARY DATE : DEC. 14, 1978

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES RN/FT	PARAMETERS/VALUES φ	MACH NUMBERS 0.4	0.6	0.8	0.9	1.10	1.25	1.40	1.45	1.50	1.55
R4R014	TANK W/O FAIRINGS	0	0	MIN	0°	82									
15	LOUVERS FILLED	0	0		0°	86									
16		0	C		90°		89				104				
17	*				90		217								
18					-90		90				105				
19	*				-90		218								
20	*				-90		219								
21		C	0	MAX	0		(M) 117								
22		0	0	MIN	E		91				106				

TEST RUN NUMBERS

* RUNS MADE AFTER REGAGING BALANCE

α OR β SCHEDULES

C) 0°, ±2°, ±4°, ±8°

E) -180° → 180°; Δφ = 45°

M) -8 -6 -4 -2 1 2 4

NASA-MSFC-MA

DIS 033

TABLE II (Continued)

SHEET 3 of 5 JEV

TEST: IA132 (AEDC PWT-16S05) DATA SET/RUN NUMBER COLLATION SUMMARY DATE: DEC. 14, 1978

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES RN/Ft	MACH NUMBERS 0.6	0.8	0.9	1.10	1.25	1.40	1.45	1.50	1.55
R4R025	TANK W/FAIRINGS**	A	-6	MIN	447	439	480	428	358	414	367	404	383
26	LOUVERS OPEN**				277		315						
27			↓				312						
28			-4		448	440	481	429	359	415	368	405	385
29					278		316						
30			↓				313						
31			-2		449	441	482	430	360	416	369	406	386
32					279		318						
33			↓				314						
34			-1		280								
35			0		450	442	483	431	361	417	370	407	387
36					309		319						
37					294								
38			↓		281								
39			1		282								
40			2		451	443	484	432	362	418	371	408	388
41	↓	↓	2	↓	283		320						

** Runs made after replacing transducers

α OR β SCHEDULES: A) 0°, (±1°) M=.6 only, ±2°, ±4°, ±6°

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TABLE II (Continued)

SHEET 4 of 5 JEV

TEST : IA 132 (AEDC PWT-TF505) DATA SET RUN NUMBER COLLATION SUMMARY DATE : DEC. 14, 1978

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES RN/ft	MACH NUMBERS 0.6	0.8	0.9	1.10	1.25	1.40	1.45	1.50	1.55	TEST RUN NUMBERS
R4R042	TANK W/ FAIRING**	A	4	MIN	452	444	485	433	363	419	372	409	389	
43	LOUVERS OPEN				300		321							
44					295									
45			6		453	445	486	434	364	420	373	410	390	
46					301		322							
47					296									
48		A'	0		297	438	323	427	339	413	366	403	382	
49		A'	0										381	
50		0	A'		299	437	324	426	357	412	365	402	384	
51		C	-6	MAX	302	465	472	488	332	495	374	507	391	
52			-6				325							
53			-4		303	466	473	489	333	496	380	508	397	
54			-4				328							
55			-2		304	467	474	490	334	497	379	509	396	
56			-2				(N) 329							
57			0		305	468	475	491	335	498	375	510	392	
58			0				487							
59			0				326							

** Runs made after replacing transducers

α OR β SCHEDULES

A) $0^\circ (\pm 1^\circ)^{M=.6 \text{ only}}, \pm 2^\circ, \pm 4^\circ, \pm 6^\circ$

A') $-4^\circ, -2^\circ, 0^\circ, 2^\circ, 4^\circ$ [illegible]

C) $0^\circ, \pm 2^\circ, \pm 4^\circ, \pm 6^\circ$ $(M > 0.6)$

N) $-6, -4$

NASA-MSFC-MA

DIS 033

TABLE II (Continued)

SHEET 5 of 5 JEV

TEST : IA 132 (AEDC PWT-TF 505) DATA SET RUN NUMBER COLLATION SUMMARY DATE : DEC 14, 1978

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	PARAMETERS/VALUES RN/FT	φ	Z		MACH NUMBERS 0.6	0.8	0.9	1.10	1.25	1.40	1.425	1.45	1.475	1.50	1.525	1.55
R4R060	TANK w/ FAIRINGS**	C	2	MAX	–	–		306	469	477	492	336	499		378		511		395
61	LOUVERS OPEN		4		–	–		307	470	478	493	337	500		377		512		394
62			4		–	–				330									
63			4		–	–				331									
64			6		–	–		308	471	479	494	338	501		376		513		393
65			6		–	–				327									
66		0	0	MIN	R	–		446	436	435	425	424	411	423	422	421	401	400	399
67		0	0	MAX	R	–							502	503	504	505	506	514	515
68		0	0	MAX	R	–													398
							MACH = 0.4												
R4R069	PR 12 - STD. PROBE	0	0	MIN	–	F	140	141	142	146	147	148	149		150		151		152
70	PR 12 - STD. PROBE				–	G					154	153							
71	PR 4 - FT PROBE				–	F	163	164	165	166			169		170		171		172
72					–	F		158	159										
73					–	G					167	168							
74					–	H					173	174	175		176				177
75					–	I									178				

**Run made after replacing the transducers

F) Z = ℄, ℄ +16", ℄ -16"
G) Z = ℄, ℄ ± 8", ℄ ± 16"

α OR β SCHEDULES
C) 0°, ±2°, ±4°, ±8°
R) 0°, -31.5°

H) Z =
I) Z = ℄ +8", ℄ +16"

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TABLE II (Concluded)

DATASET/RUN NUMBER COLLATION SUMMARY

DATASET IDENTIFIER 1ST CHARACTER	COEFFICIENT SCHEDULE											
	1ST IND VARIABLE	2ND IND VARIABLE										
						TUNNEL REFERENCE CONDITIONS						
A	MACH	ALPHA	BETA	Q	RN/L	PS	PT	QC/Q	TTF	PHI	THETAI ZSTRUT[3]	PHII —
						SPIKE PROBE						
B	MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
C	MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL				
						TANK AADS						
I	MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
J	MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT				
						40 DEG. CONE TAPS						
P	MACH	ALPHA	BETA	CP9	CP10	CP11						
						ROSEMOUNT AND FLIGHT TEST PROBES						
Q[1]	MACH	ALPHA	BETA	CPSRF	CPSRA	ZSTRUT						
Q[2]	MACH	ALPHA	BETA	CPTF	CPSF	ZSTRUT						
						AADS CALIBRATION PARAMETERS						
T	MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS

[1] Datasets 69-70 [2] Datasets 71-75 [3] Datasets 69-75

TABLE III. MODEL DIMENSIONAL DATA

MODEL COMPONENT: T_{41}

GENERAL DESCRIPTION: External Tank Forebody

MODEL SCALE: 0.07

DRAWING NUMBER: VC78-000002H, ICD-2-00001 Rev. D, PIRN IC 0039, ECD-V-78-030002 and -003, SS-A01966, SS-A01967, SS-A01968, SS-A01969 and SS-A01975.

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length, In.	N/A	55.471
Max. Dia., In.	333	23.310
Max. Depth	--	--
Fineness Ratio L/D	N/A	2.378
Area, $Ft.^2$		
Max. Cross-Sectional	N/A	2.9635
Planform	N/A	7.31
Base	N/A	2.6941

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: PROBE - PR_4

GENERAL DESCRIPTION: Flight test nose boom.

MODEL SCALE: 0.360 nose boom and 0.100 nose boom adapter

DRAWING NUMBER: SS-A01664

DIMENSIONS: *	FULL SCALE	MODEL SCALE
Overall Length, along centerline to Sta. X_o = 23.500 (In.)	218.65	21.865
Max. Dia., (Boom), In.	2.0	0.72
Max. Dia., (Boom Adapter), In.	8.75	0.875
Angle of Incidence, Degrees	-5.0	-5.0
Area, $In.^2$		
Max. Circular Cross-Sectional (Boom)	12.75	1.629
Max. Circular Cross-Sectional (Boom Adapter)	240.5	2.405

* Some dimensions not applicable to test IA132 because probe was mounted on AEDC-supplied sting hardware.

TABLE III. MODEL DIMENSIONAL DATA (Concluded)

MODEL COMPONENT: PROBE - PR_{12}

GENERAL DESCRIPTION: Rosemount, Inc. Standard Static Probe

MODEL SCALE:

DRAWING NUMBER:

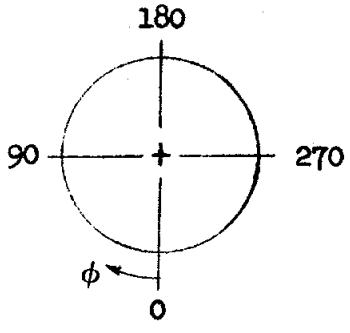
DIMENSIONS: *	FULL SCALE	MODEL SCALE
Length (Overall, In.)	---	20.860
Min. Dia.	---	0.300
Max. Dia.	---	1.313
Area, $In.^2$		
Max. Cross-Sectional	---	1.354

* Some dimensions not applicable to test IA132 because probe was mounted on AEDC-supplied sting hardware.

TABLE IV. PRESSURE TAP LOCATIONS

PRESSURE ORIFICE	MODEL STATION, IN.	ϕ* DEGREES	MODEL LOCATION
PTT	22.906	---	Tip of conic probe
PB	22.986	0	30-deg. conic surface
PL	↓	90	↓
PU		180	
PR		270	
P1	30.100	0	Tank ogive surface
P2	↓	90	↓
P3		180	
P4		270	
P9	24.220	0	39-4.deg. conic cap
P10	24.920	↓	↓
P11	25.620		

*ϕ Sign Convention



View Looking Upstream

TABLE V. SUMMARY OF FREESTREAM FLOW ANGLE CORRECTIONS

M	AFA
0.40	-0.30
0.60	0.02
0.80	0.01
0.90	0.02
1.10	0
1.25	0.05
1.40	-0.01
1.425	-0.04
1.45	-0.07
1.475	-0.06
1.50	-0.05
1.525	-0.08
1.55	-0.11

$$BFA = F_0 + F_1 (ALFMUP) + F_2 (ALFMUP)^2$$

M	F_0	F_1	F_2
0.40	0.202	-0.011	0.002
0.60	0.071	0.004	0.003
0.80	0.089	0.002	0.003
0.90	0.107	-0.003	0.003
1.10	0.096	-0.005	0.002
1.25	0.030	-0.006	-0.002
1.40	0.015	-0.013	0.002
1.425	-0.130	-0.011	0.002
1.45	-0.243	-0.009	0.002
1.475	-0.208	-0.007	0.001
1.50	-0.173	-0.005	0.001
1.525	-0.159	0.011	0
1.55	-0.146	0.026	-0.001

Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

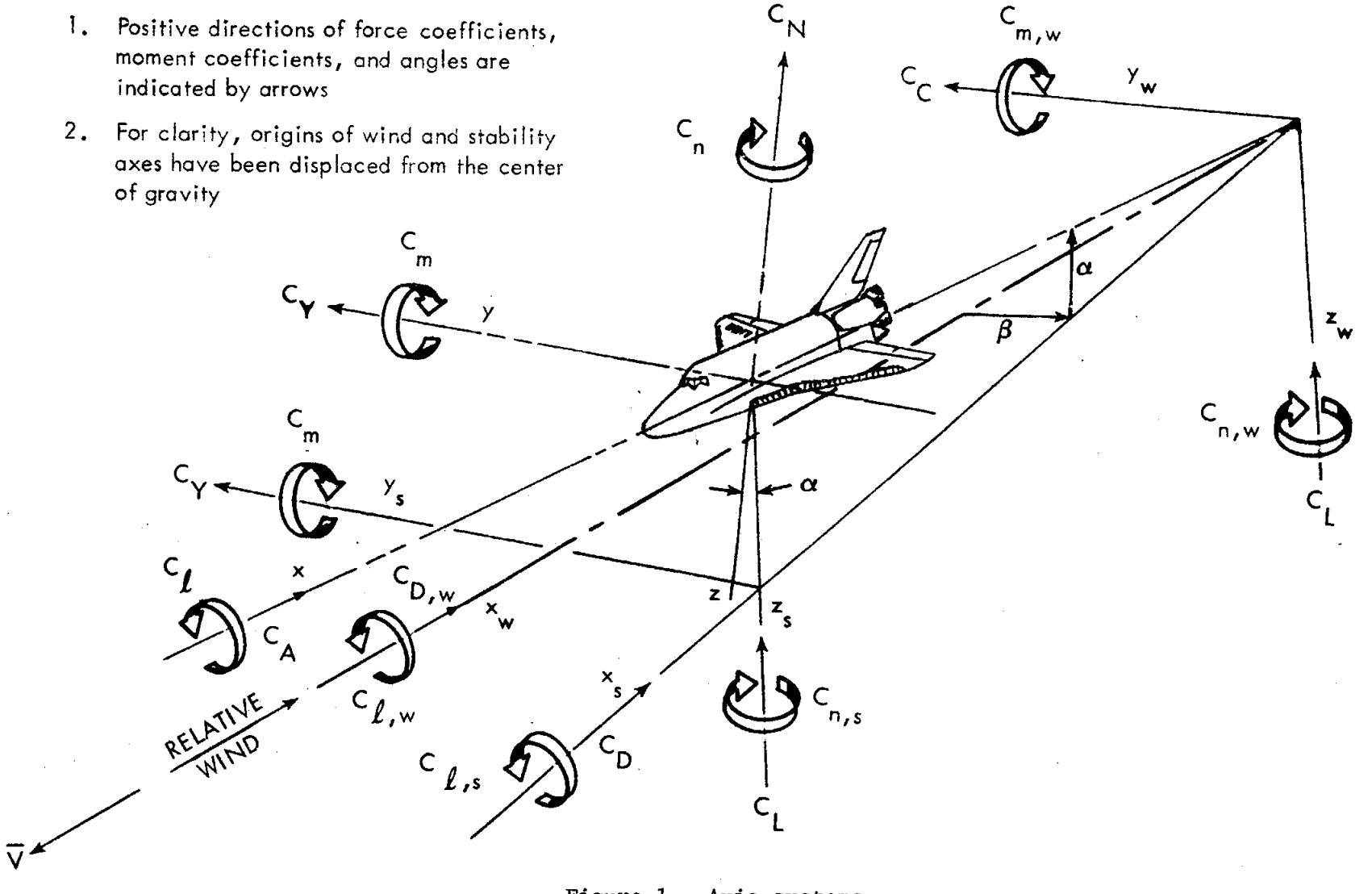
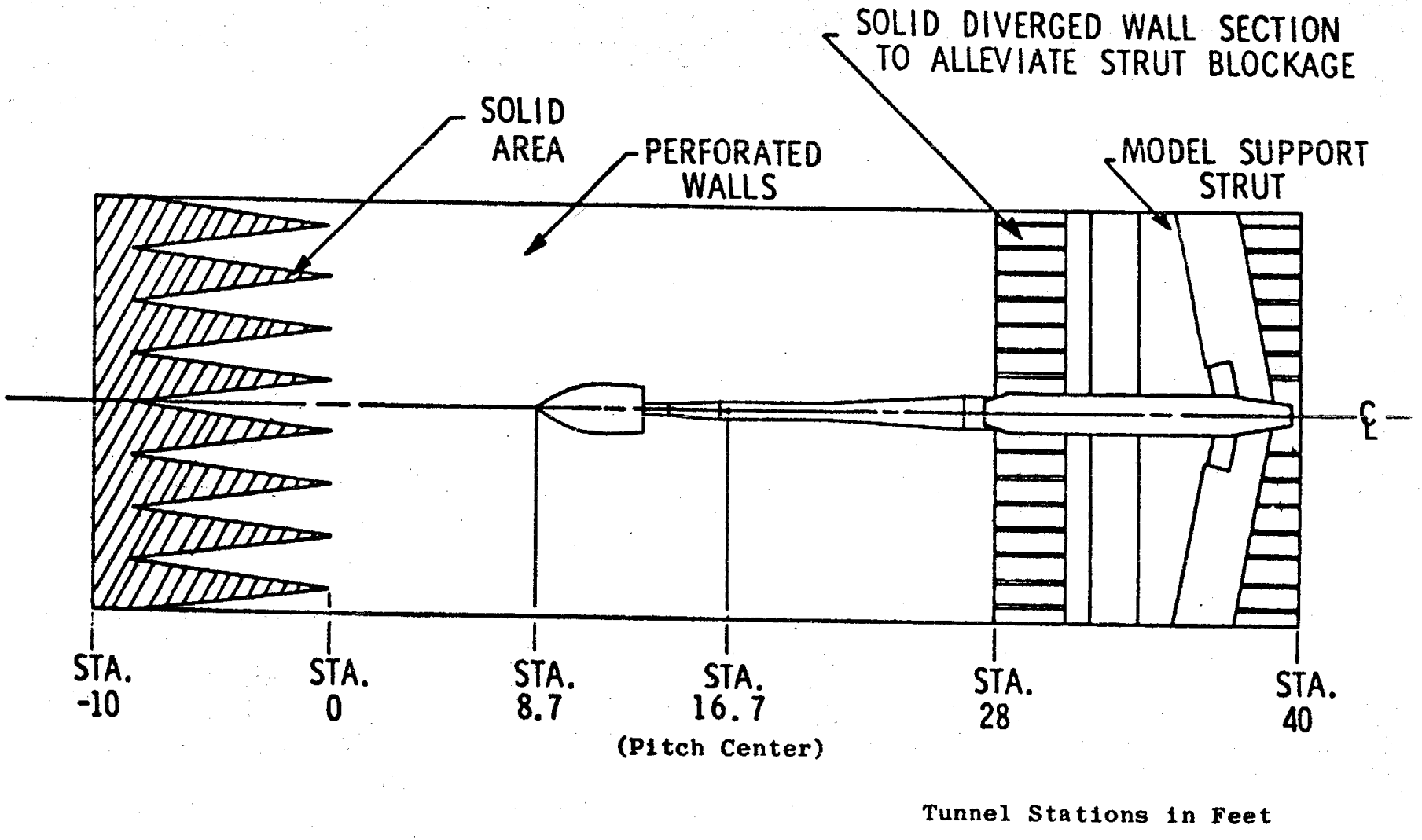
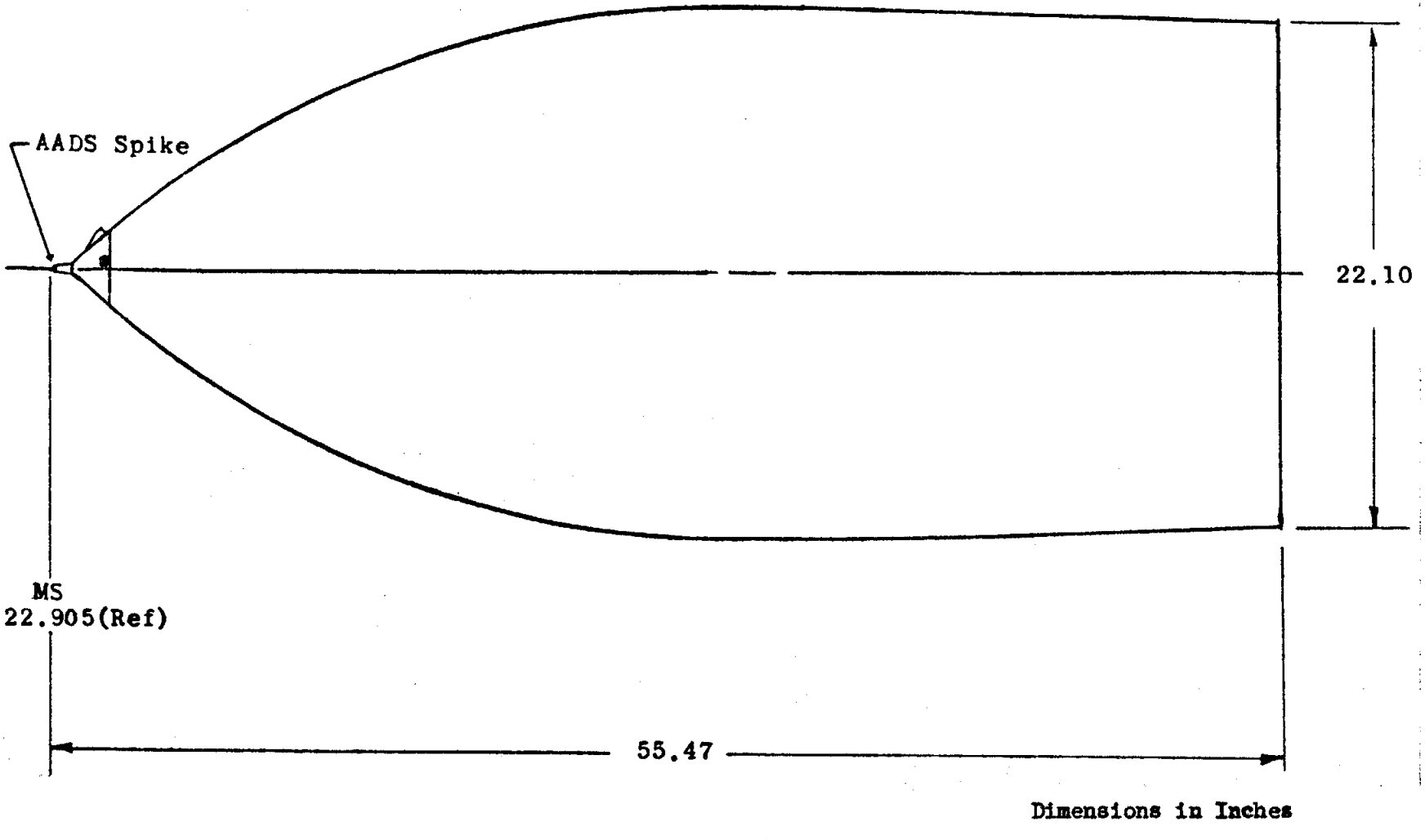


Figure 1. Axis systems.

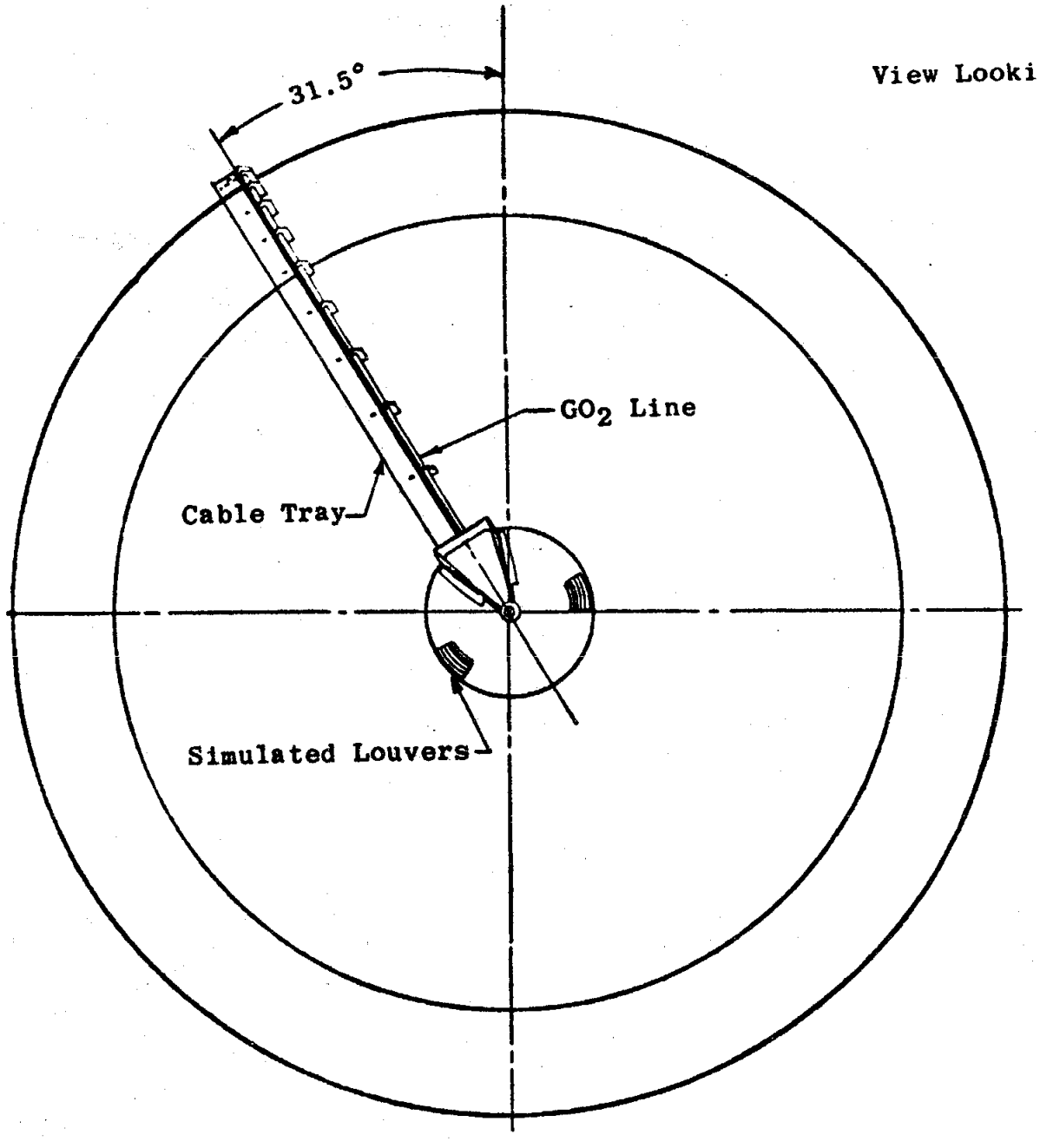


a. Model Installation in the Tunnel

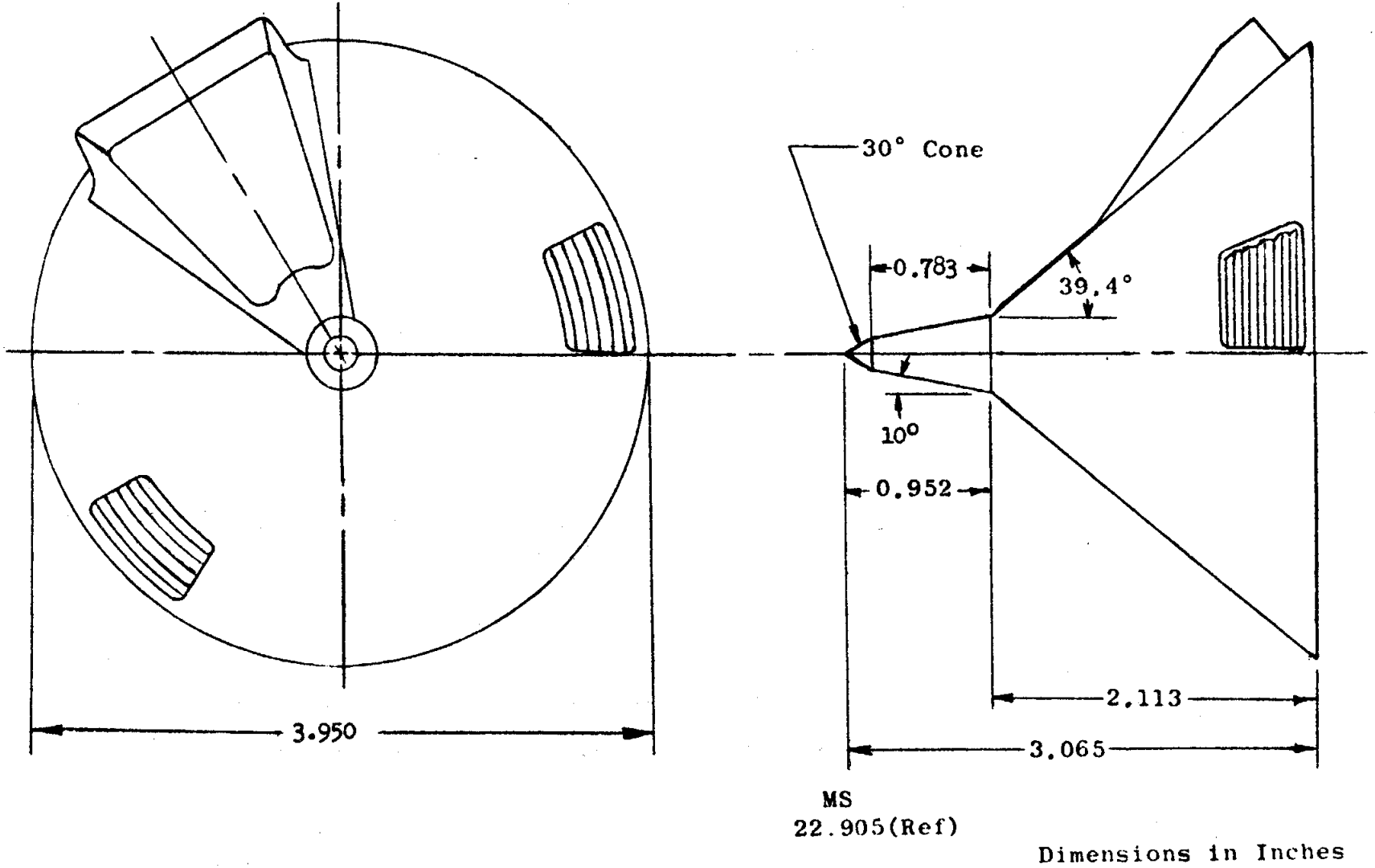
Figure 2. Model sketches.



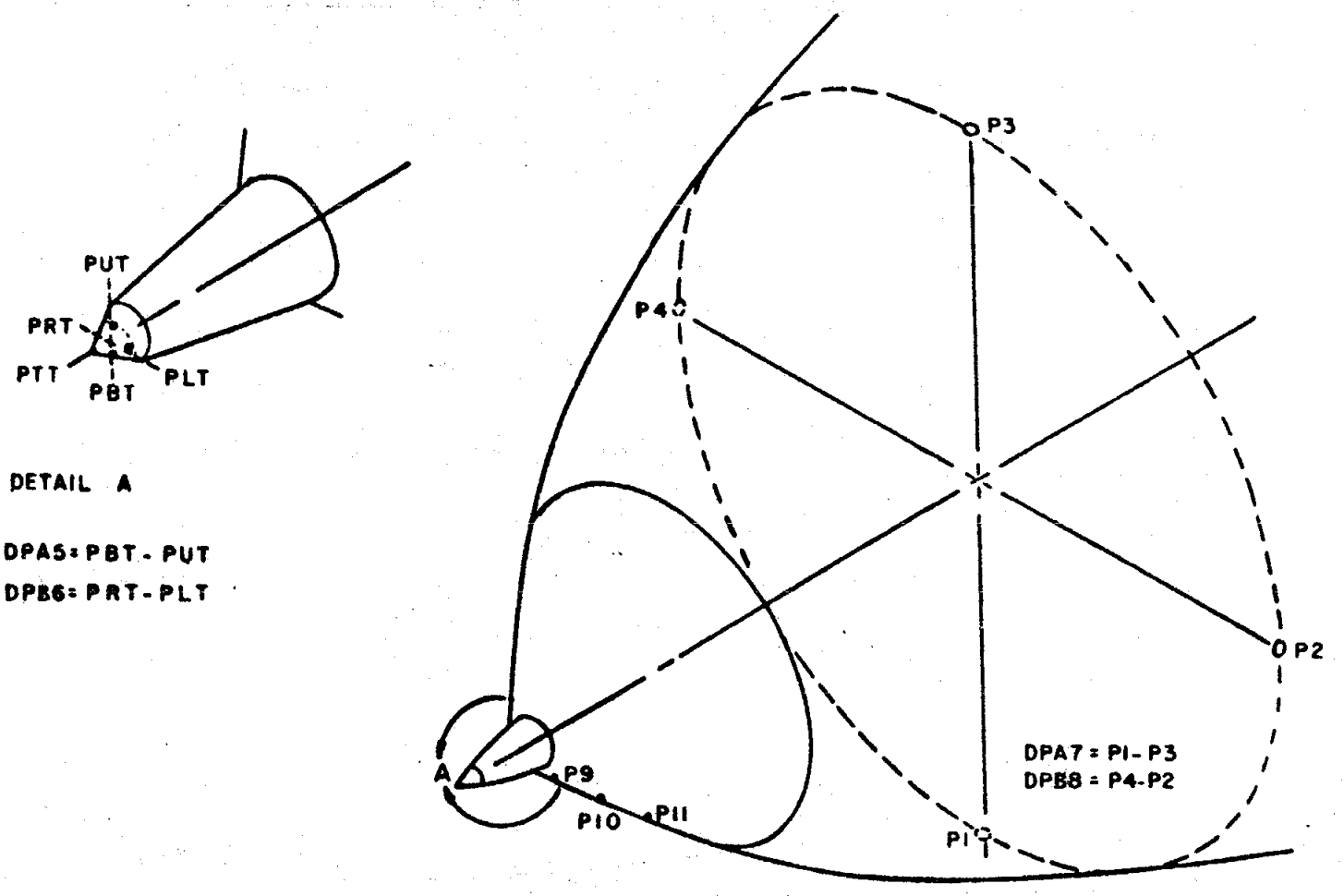
b. External Tank Forebody
Figure 2. Continued.



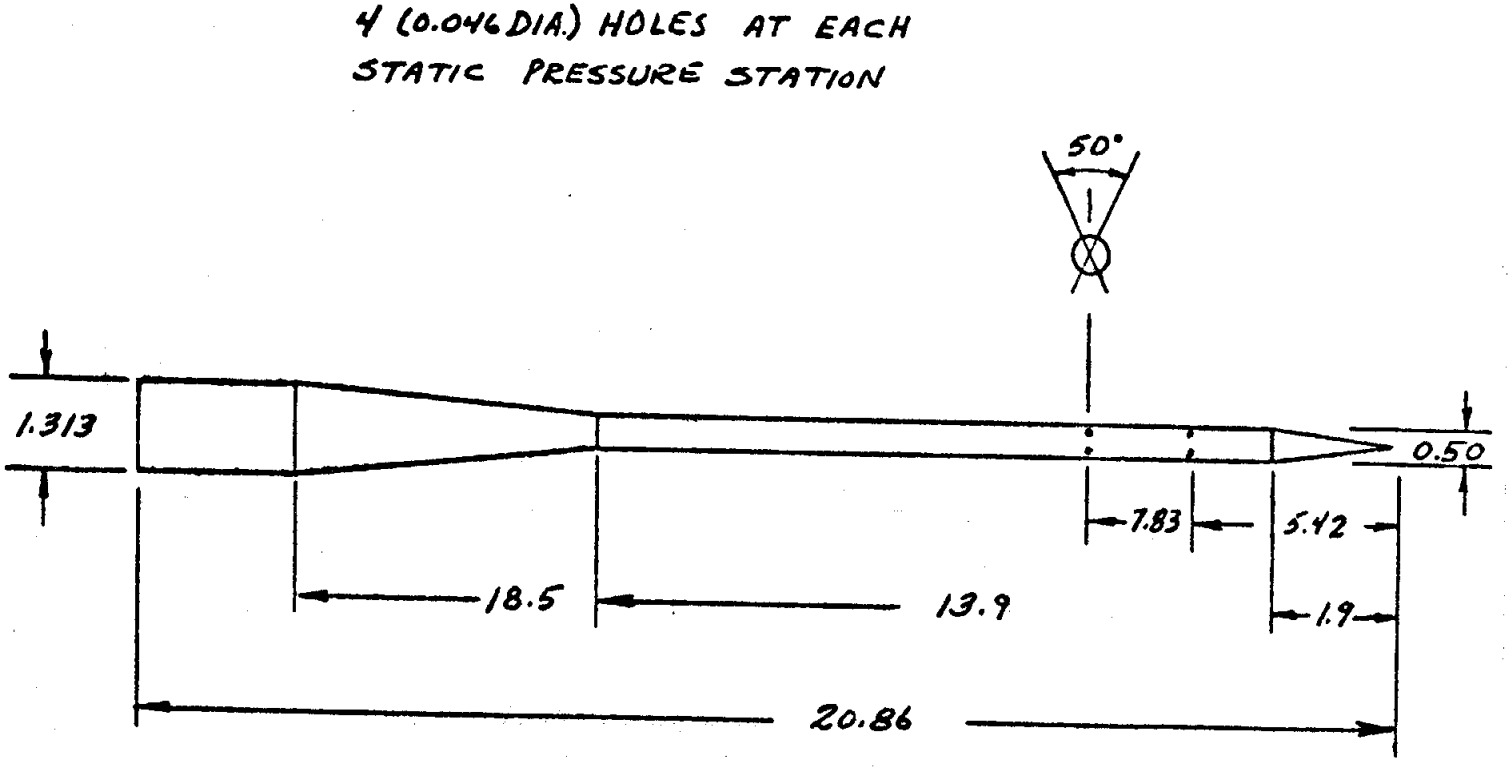
c. Location of Cable Tray and CO_2 Line
Figure 2. Continued.



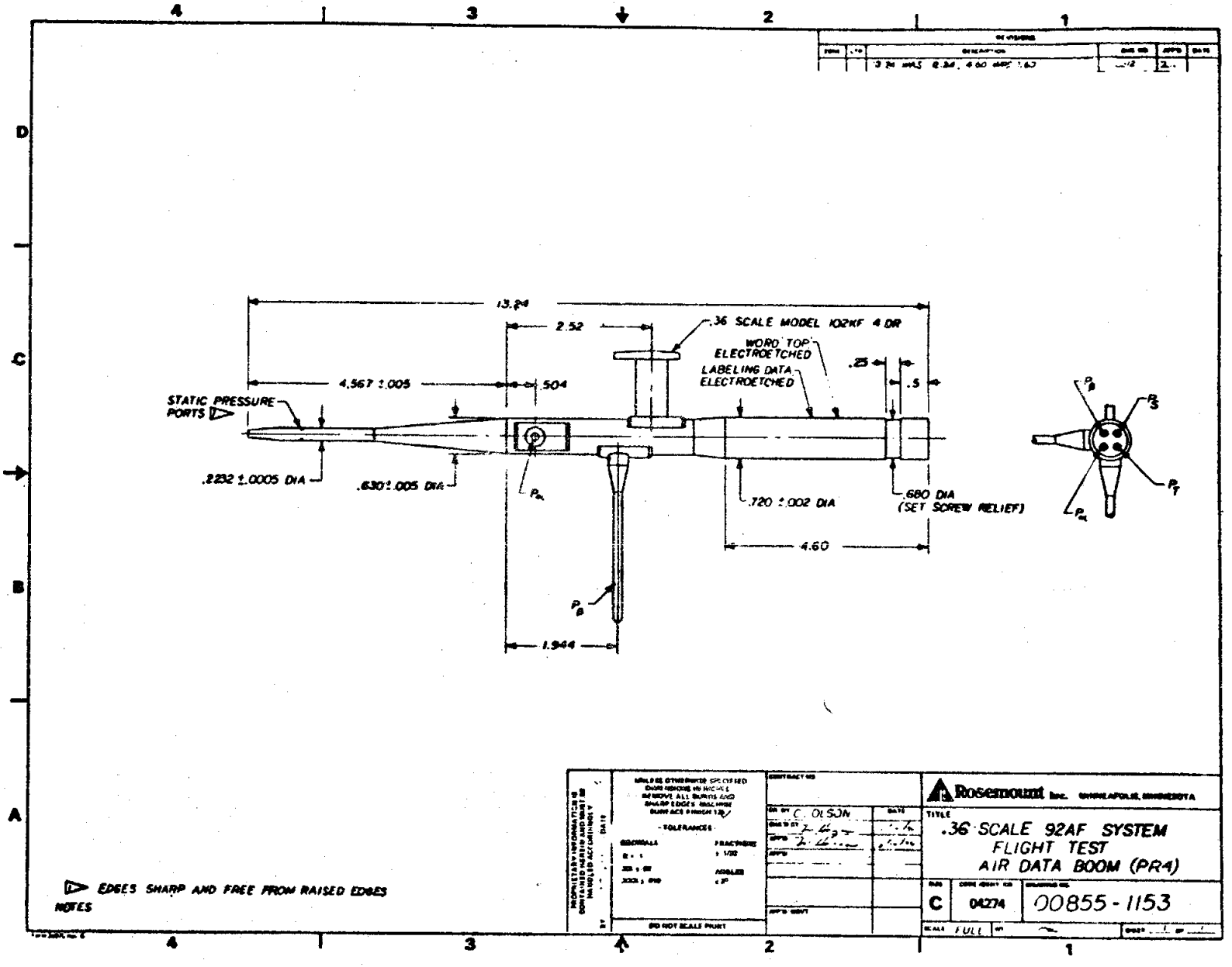
d. Ascent Air Data System Spike
Figure 2. Continued.



e. Pressure Orifice Designations and Locations
Figure 2. Continued.

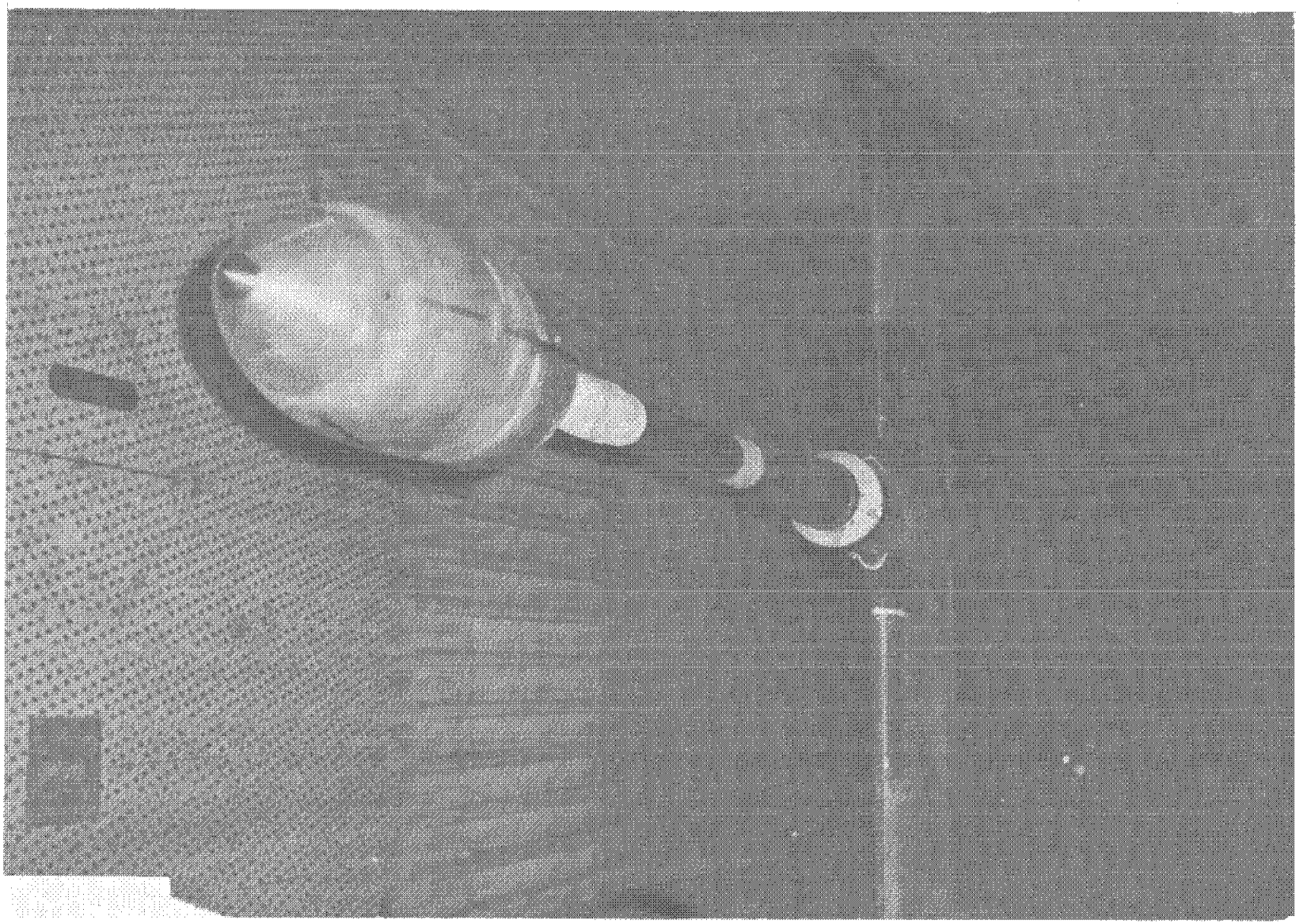


f. Rosemount Standard Static Probe (PR_{12})
Figure 2. Continued.



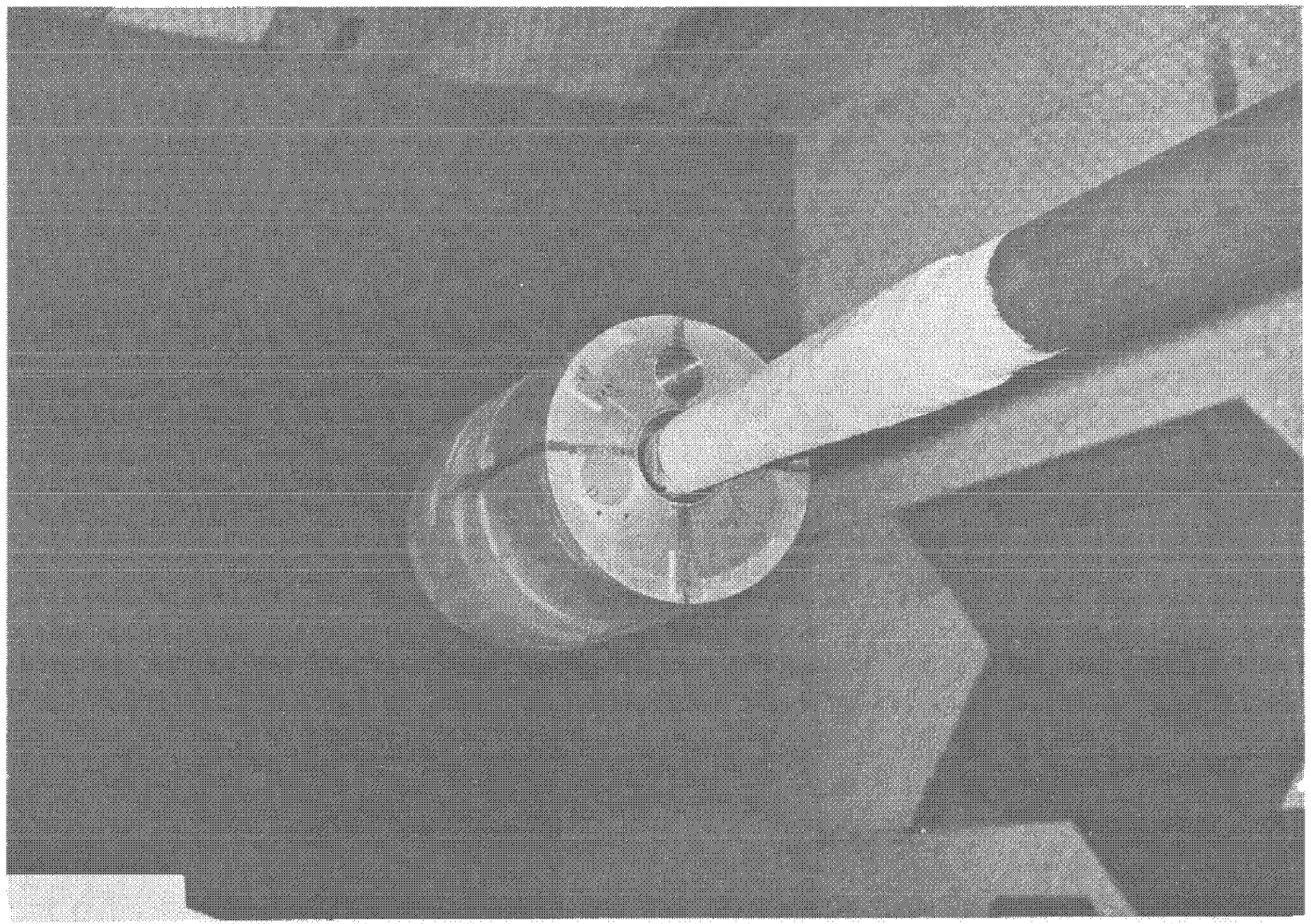
g. 0.36-Scale 92AF Flight Test Air Data Boom (PR_4)

Figure 2. Concluded.

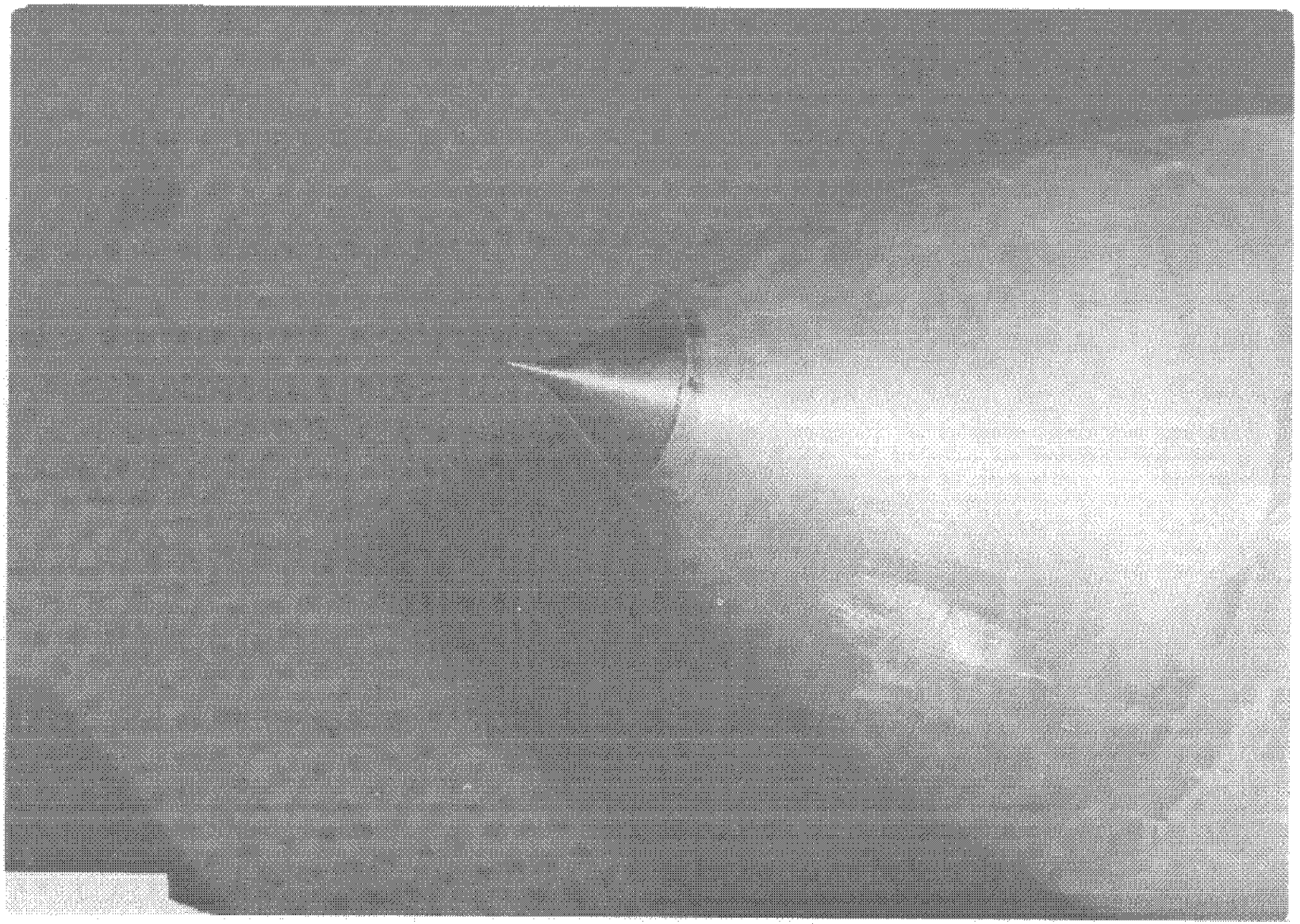


a. Three-quarter Front View of Model 68-T Installed in the AEDC 16-T PWT

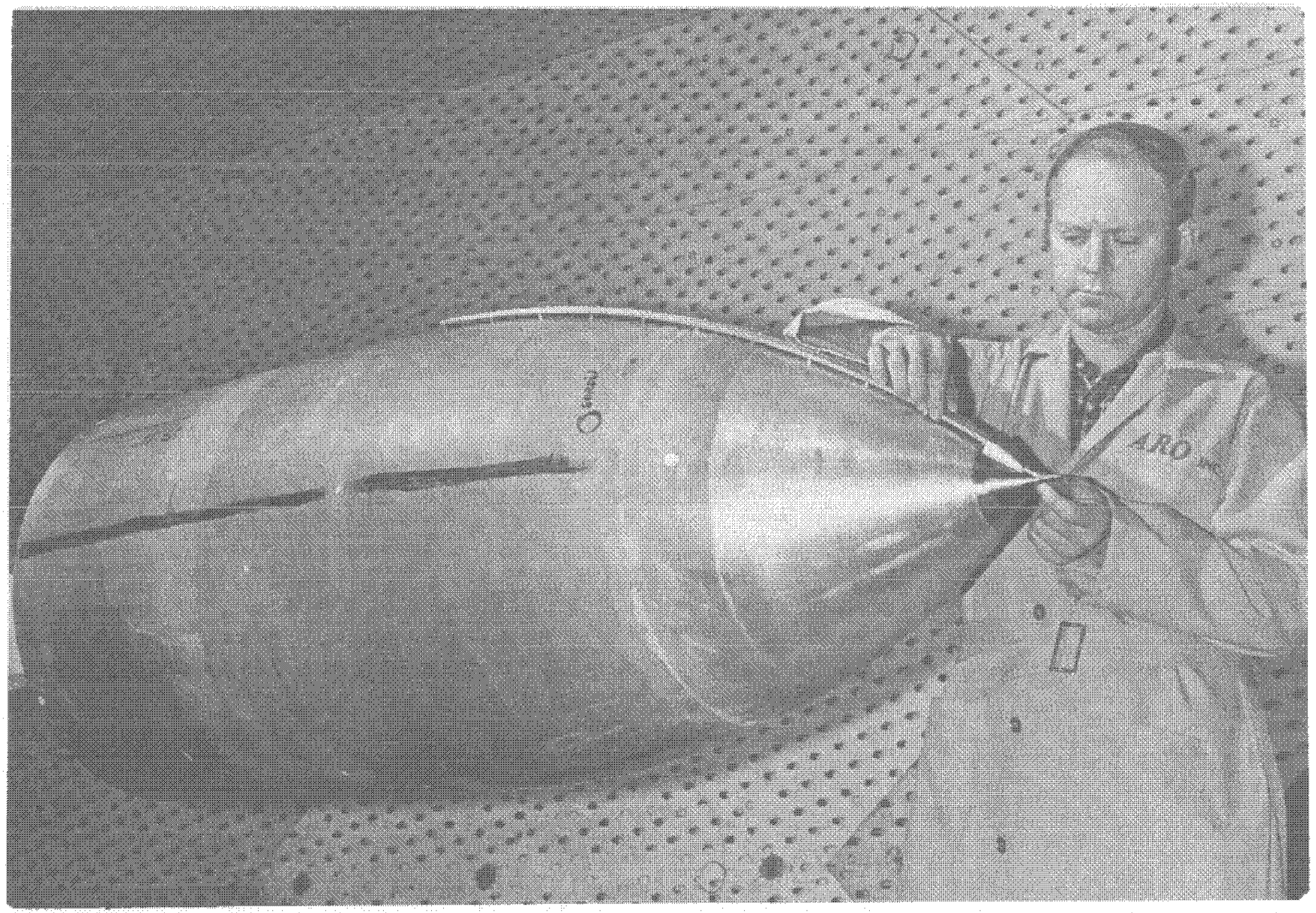
Figure 3. Model photographs.



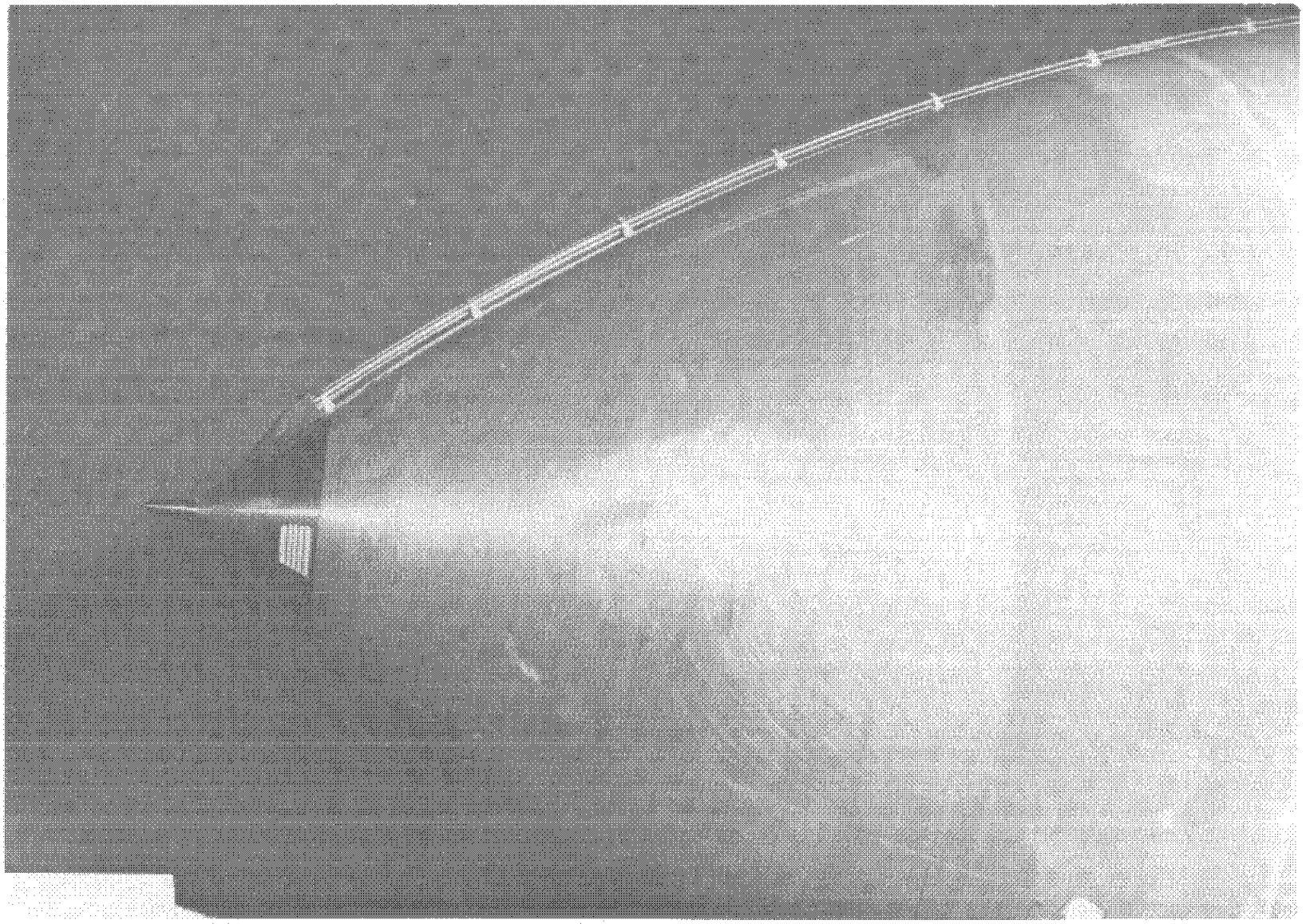
b. Three-quarter Rear View of Model 68-T Installed in the AEDC 16-T PWT
Figure 3. Continued.



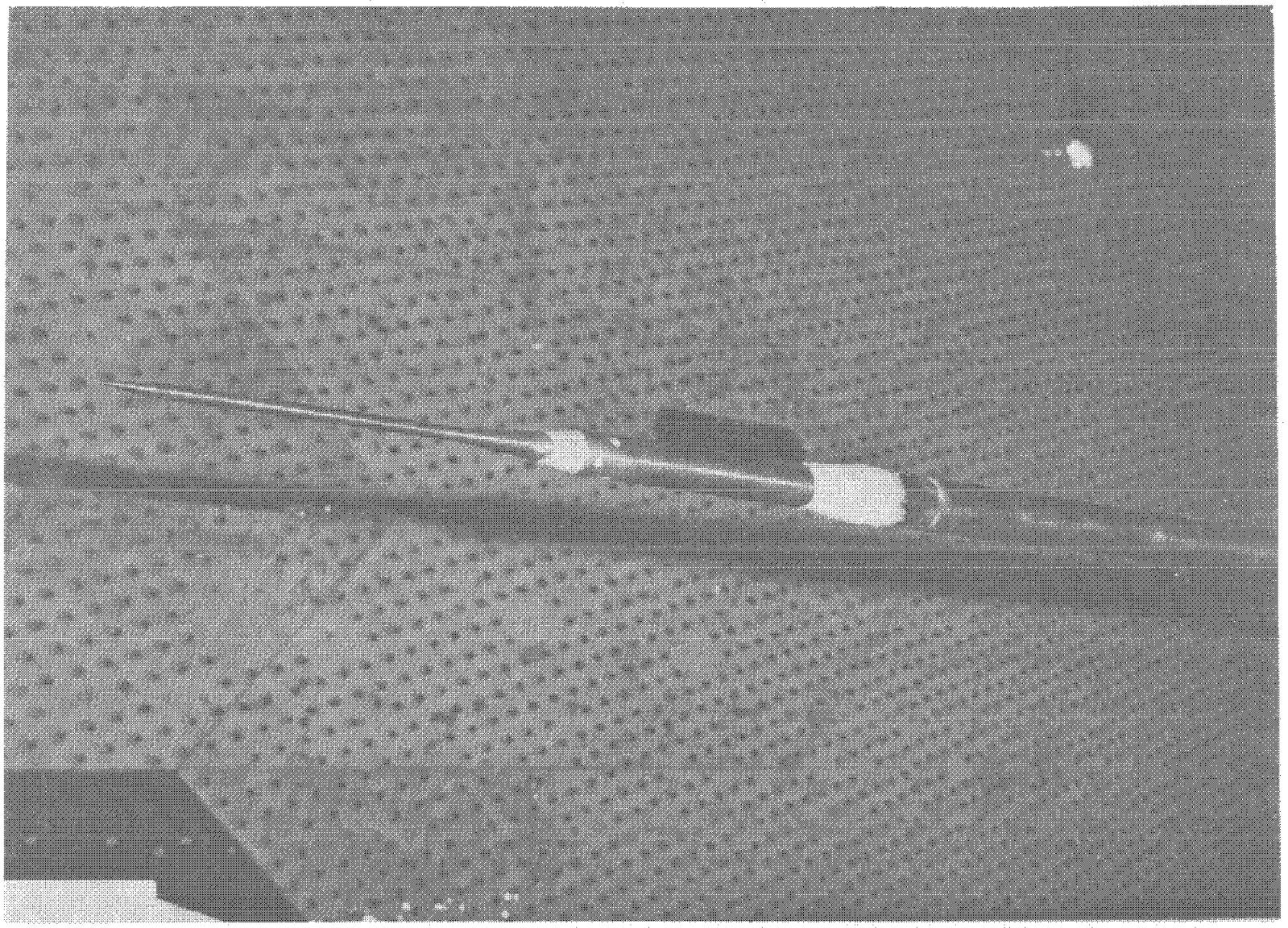
c. Close-up of AADS Spike (louvers filled in and cable tray and fairing off)
Figure 3. Continued.



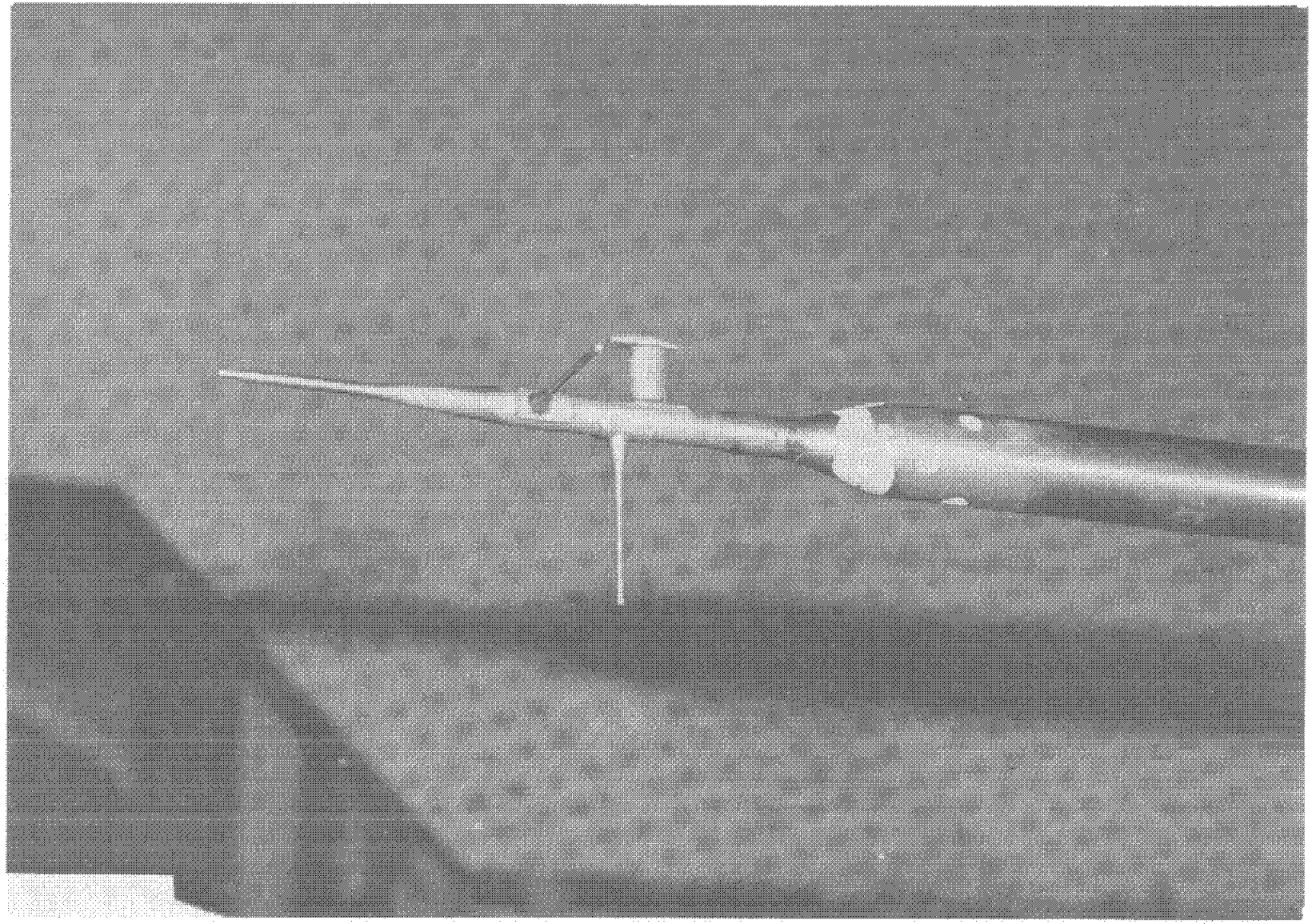
d. Model 68-T with Cable Fairing, Tray, GO_2 Line and Louvers Simulated
Figure 3. Continued.



e. Close-up of AADS Spike, Cable Fairing, Tray, GO_2 Line and Simulated Louvers
Figure 3. Continued.



f. Rosemount Standard Static Probe (PR_{12}) Mounted in the AEDC 16-T PWT
Figure 3. Continued.



g. 0.36-Scale Orbiter Flight Test Probe (PR_4) Mounted in the AEDC 16-T PWT
Figure 3. Concluded.

IA132 DATA

APPENDIX

	Page
PLOTTED SPIKE PROBE DATA	1-108
PLOTTED TANK OGIVE DATA	109-204
TABULATED DATA	
Spike Probe	205-454
Tank Ogive	455-704
40 Degree Cone Taps	705-787
Rosemount and Flight Test Probes	788-800
AADS CALIBRATION PARAMETERS	
Plotted Data	801-908
Tabulated Data	909-986

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DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

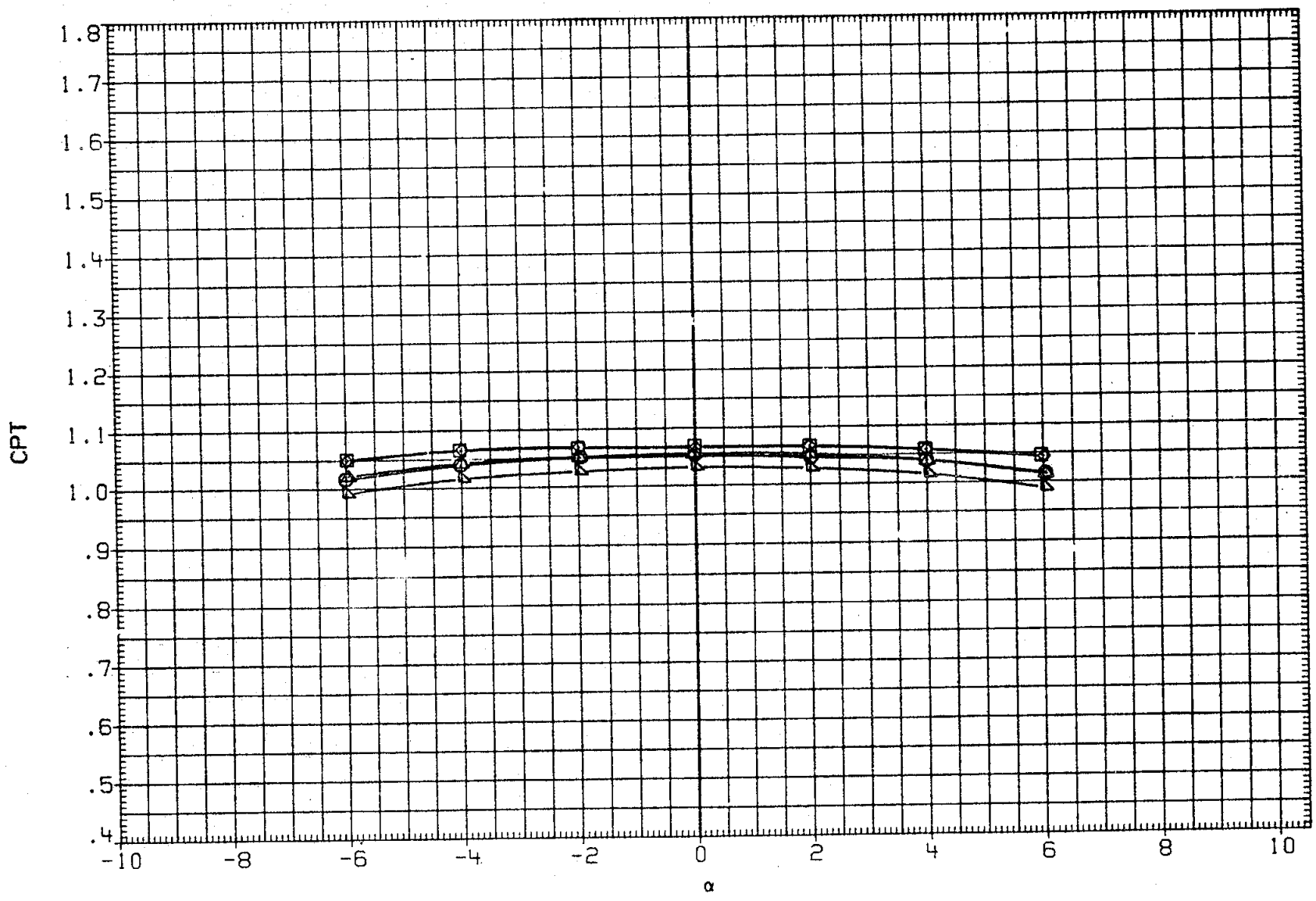

FIG. 4 CPT CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

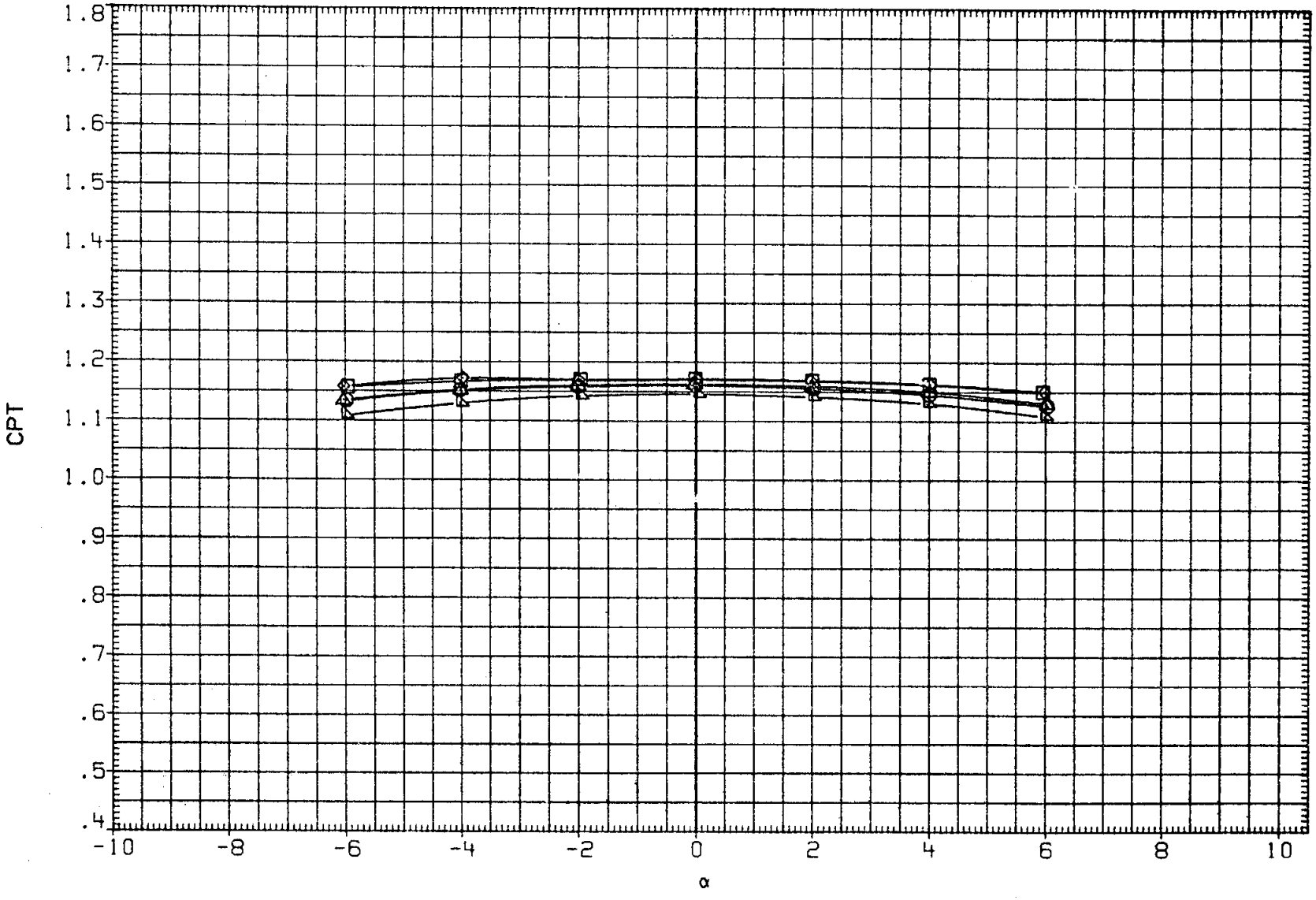

FIG. 4 CPT CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

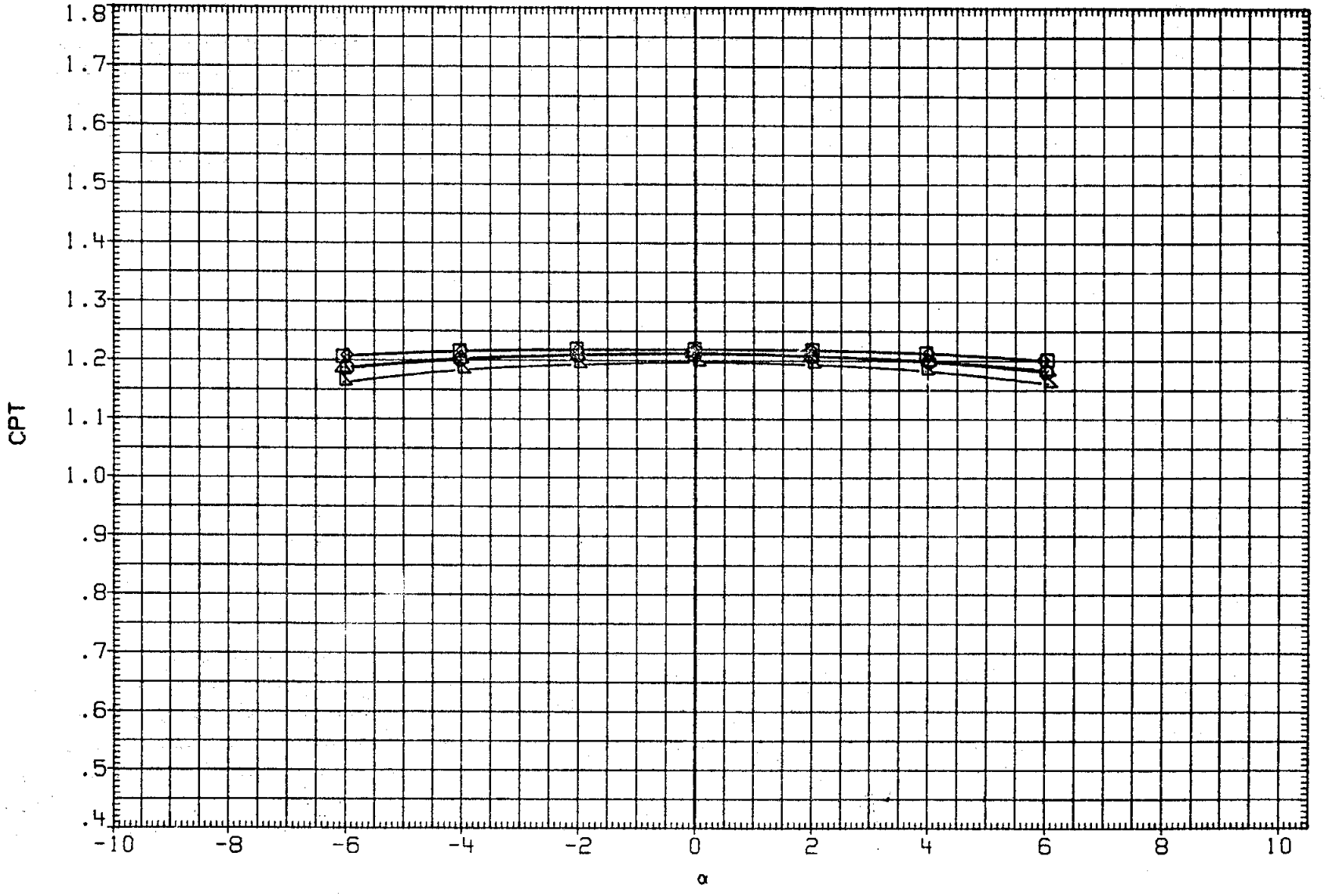

FIG. 4 CPT CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

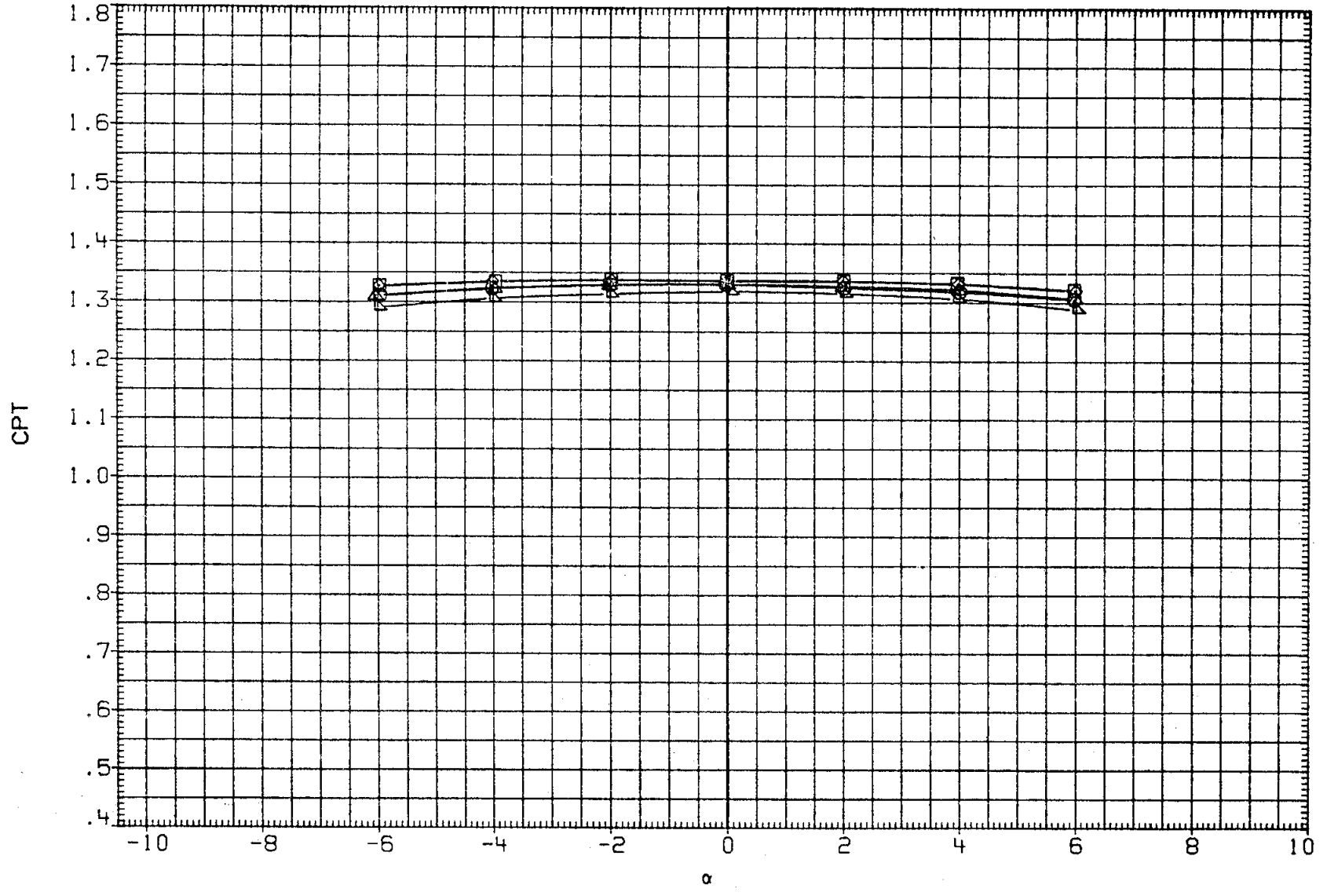

FIG. 4 CPT CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

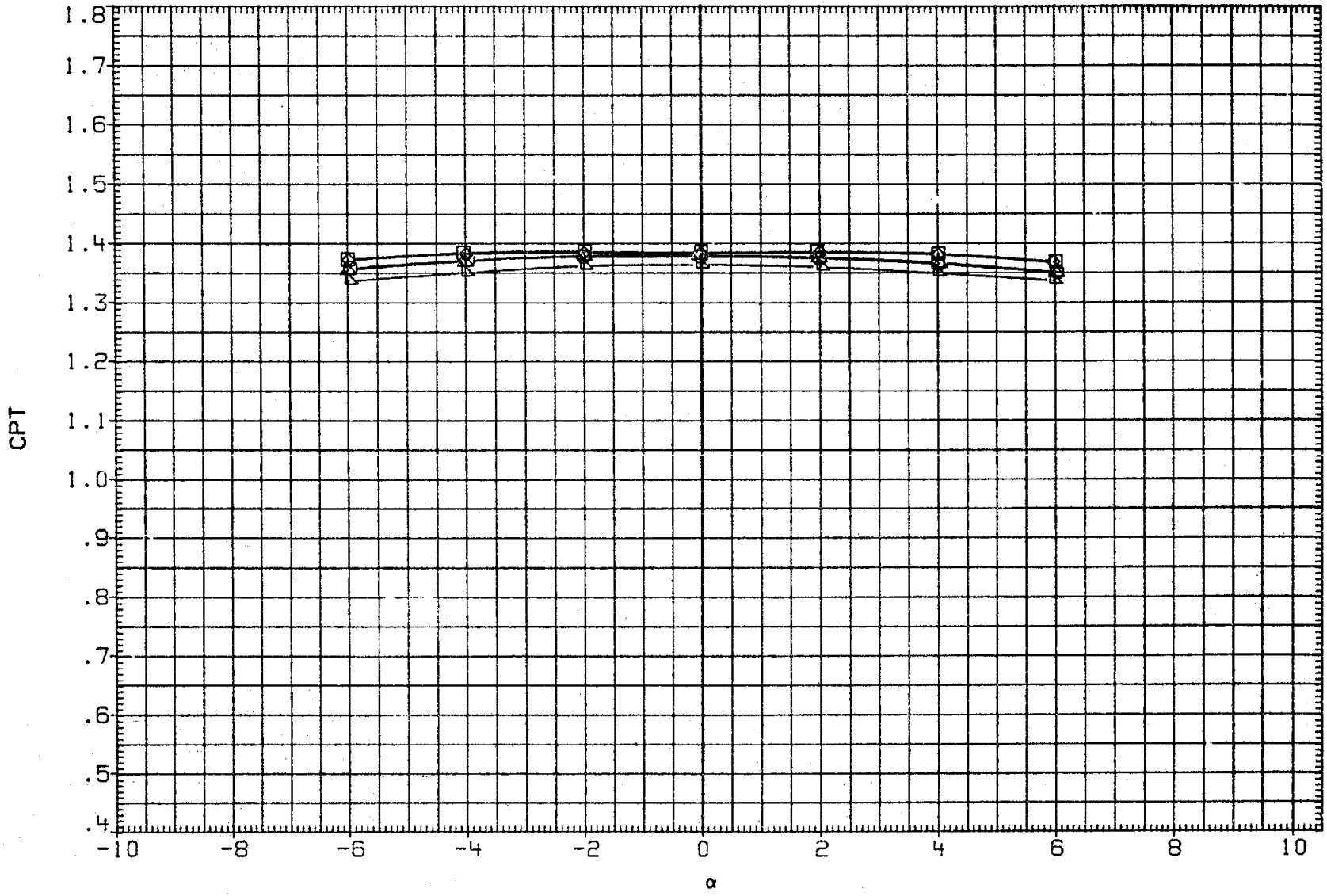

FIG. 4 CPT CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

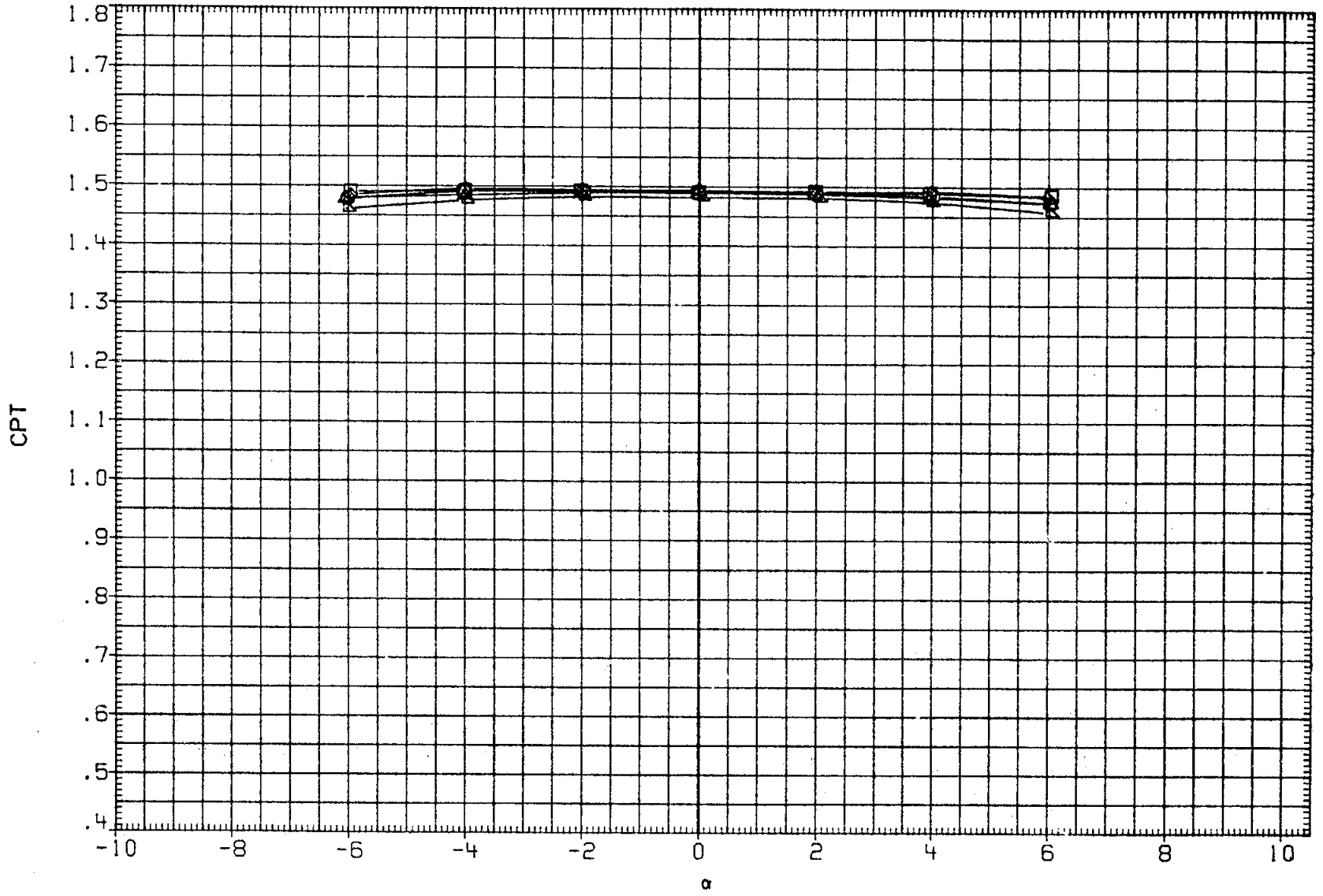

FIG. 4 CPT CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

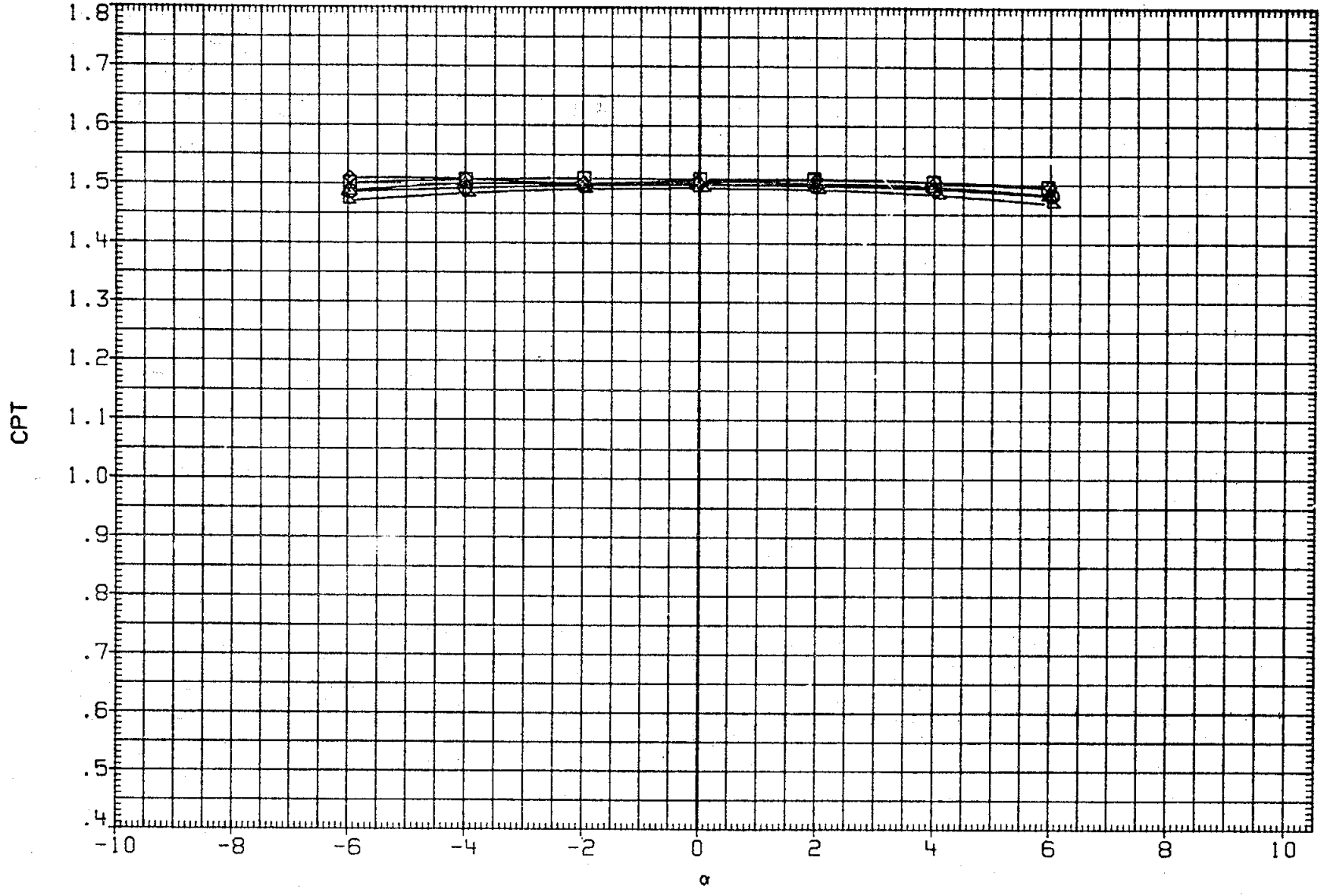

FIG. 4 CPT CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

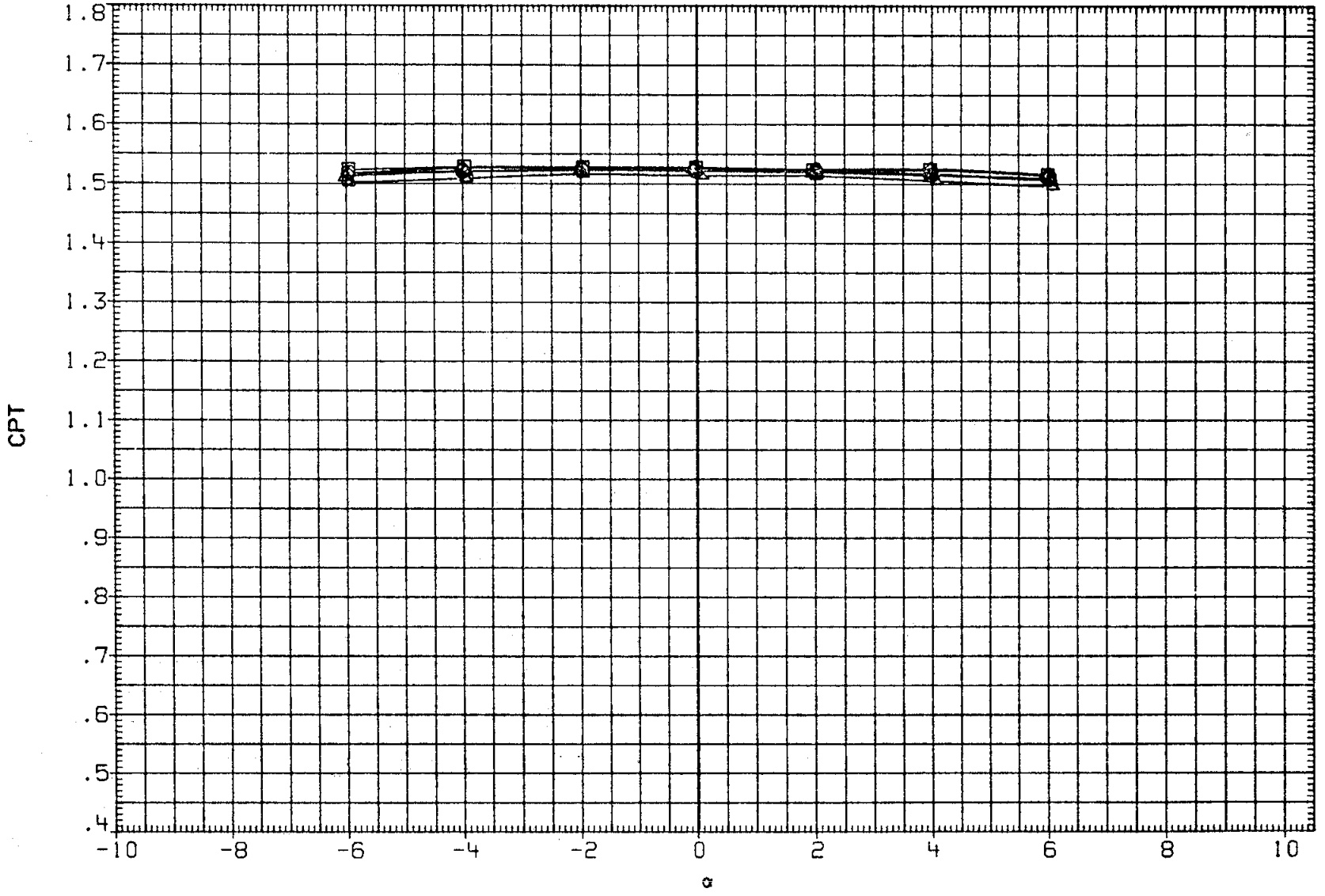

FIG. 4 CPT CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

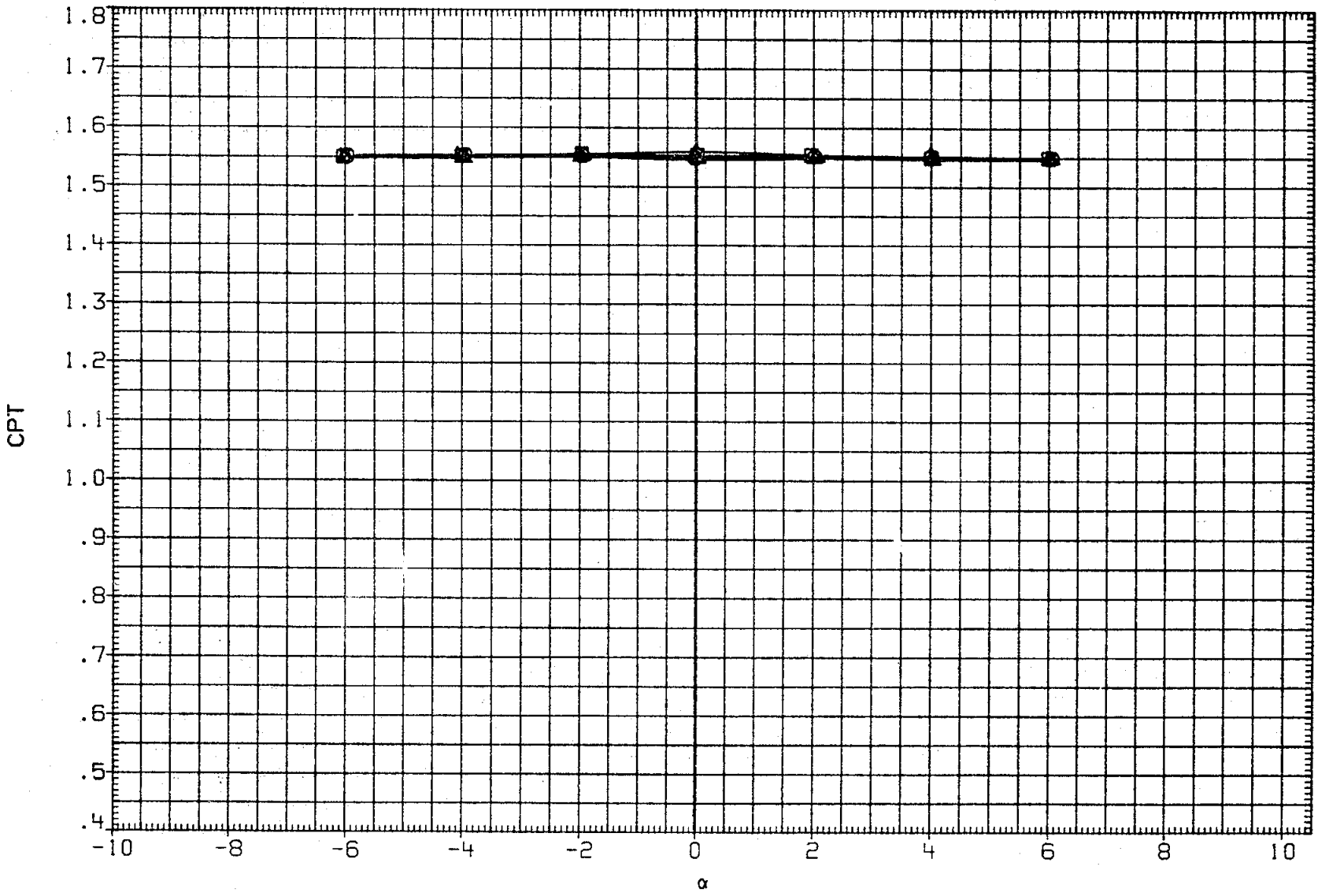

FIG. 4 CPT CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

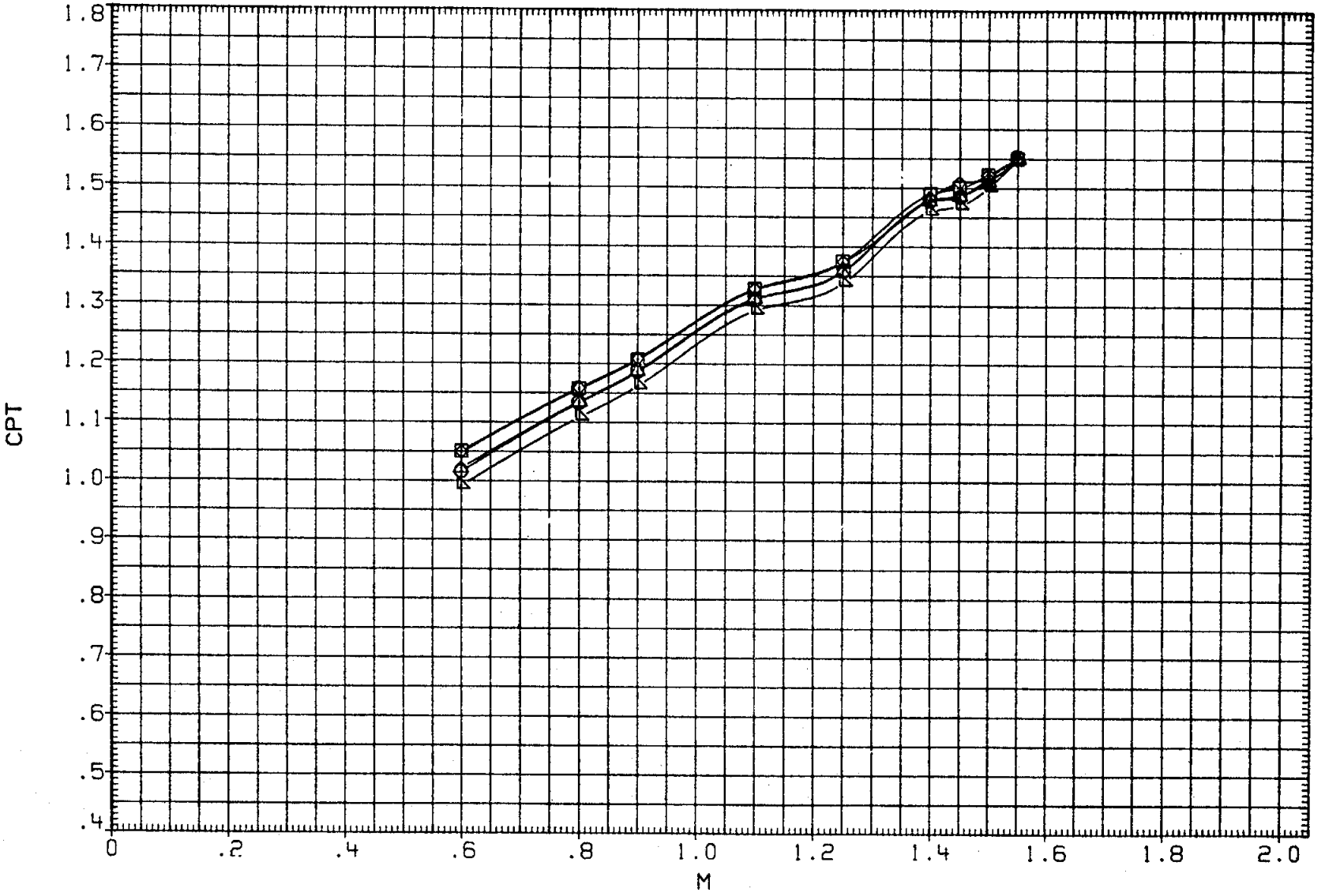

FIG. 4 CPT CHARACTERISTICS

(A)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

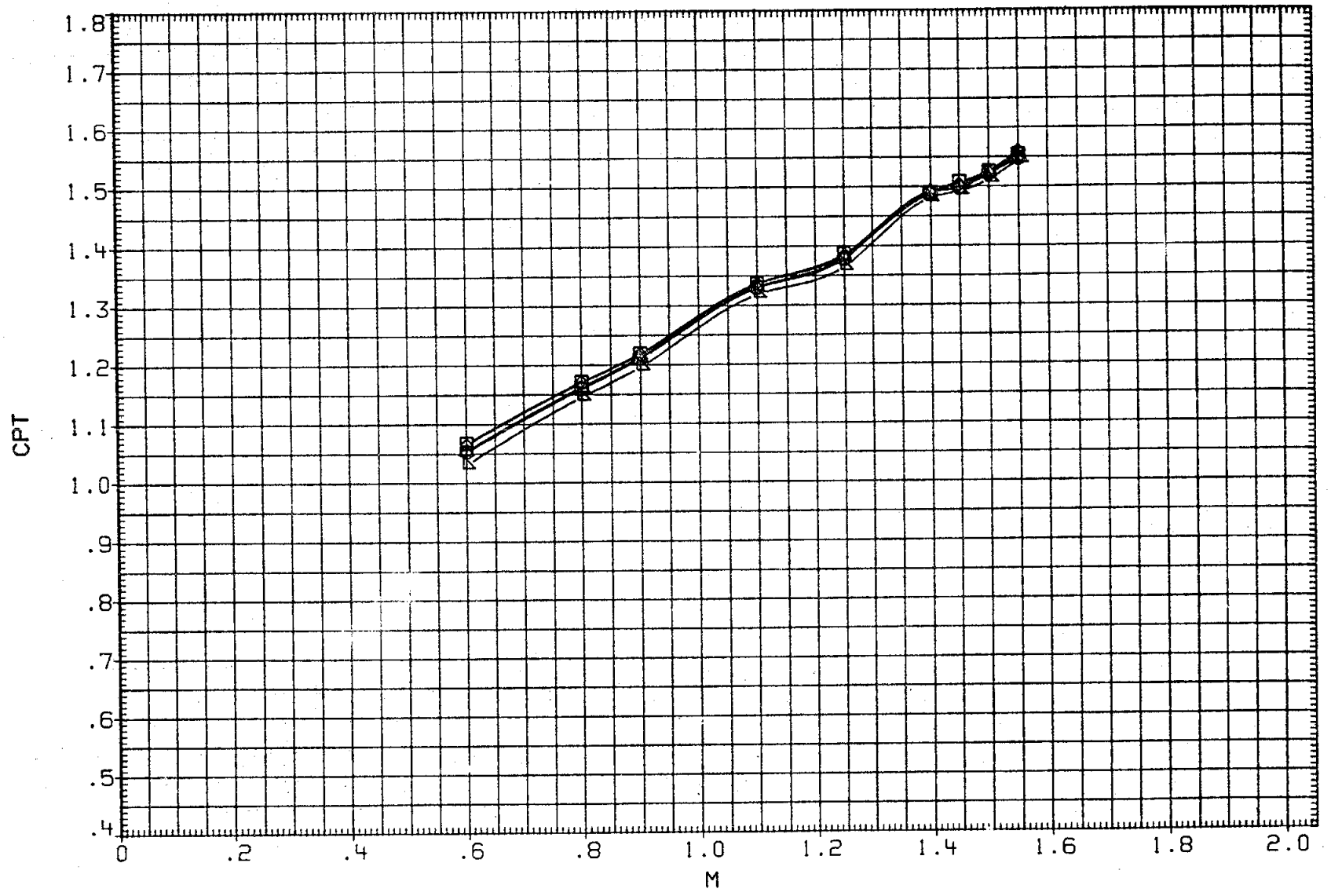

FIG. 4 CPT CHARACTERISTICS

(B) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

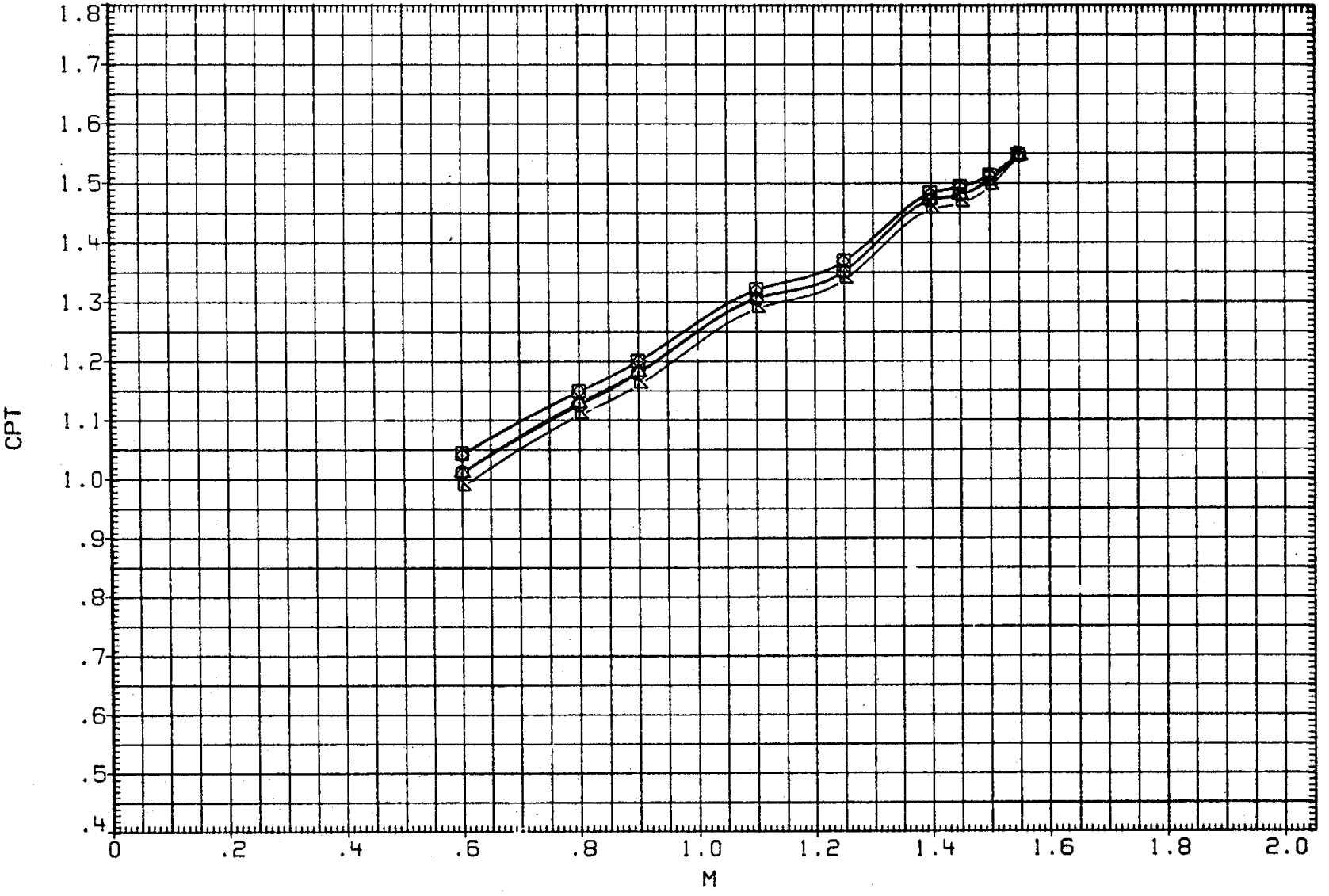

FIG. 4 CPT CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

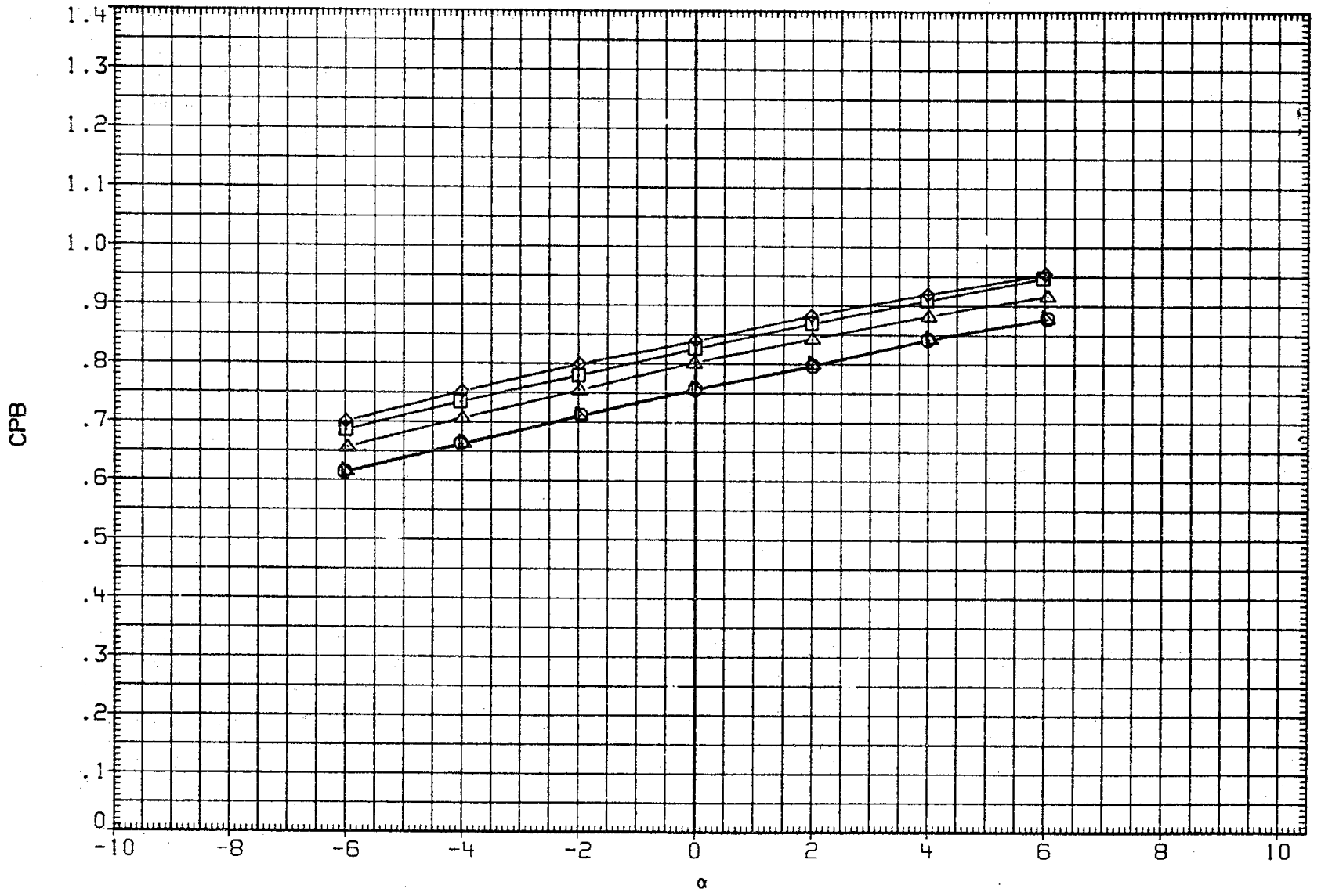

FIG. 5 CPB CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

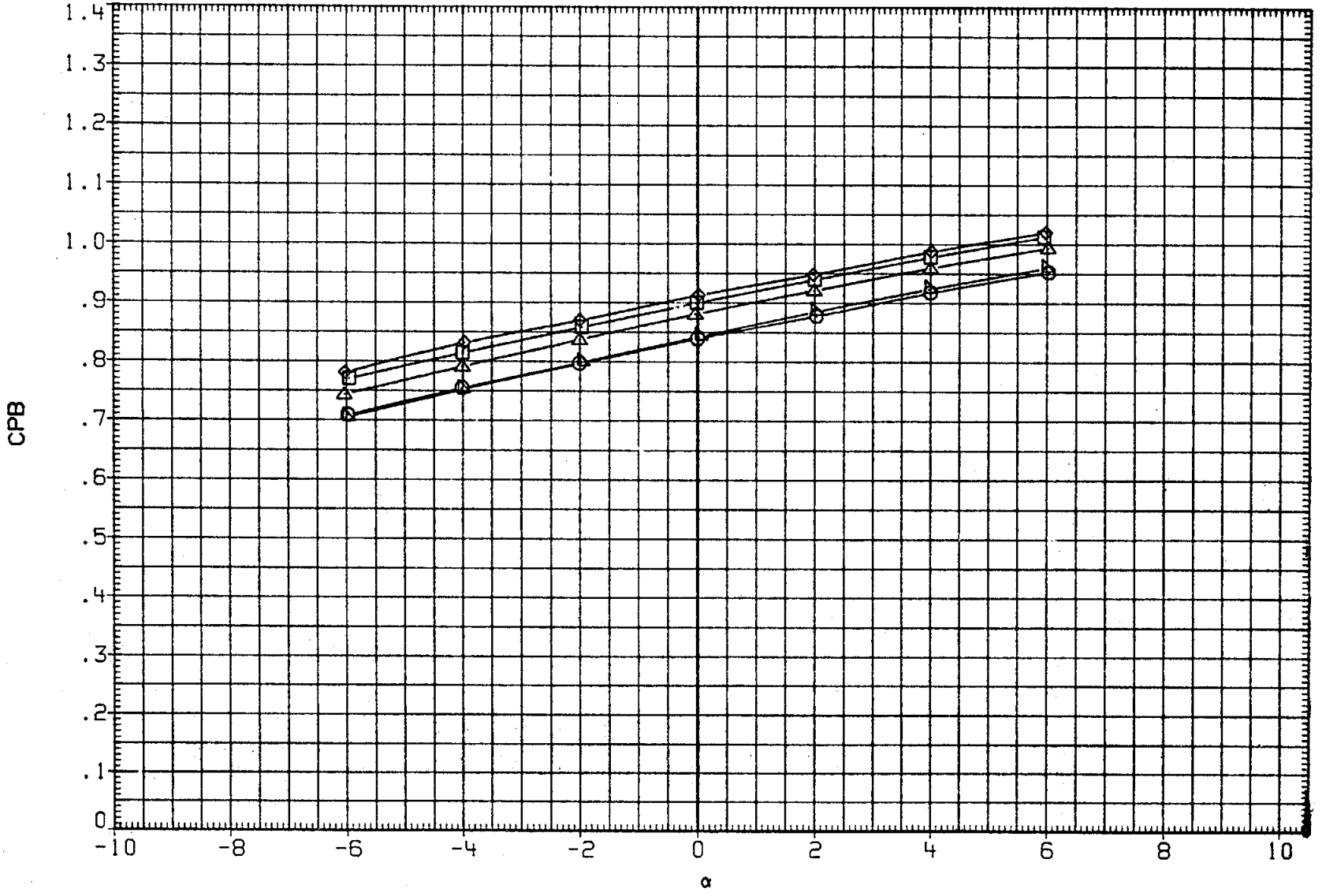

FIG. 5 CPB CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

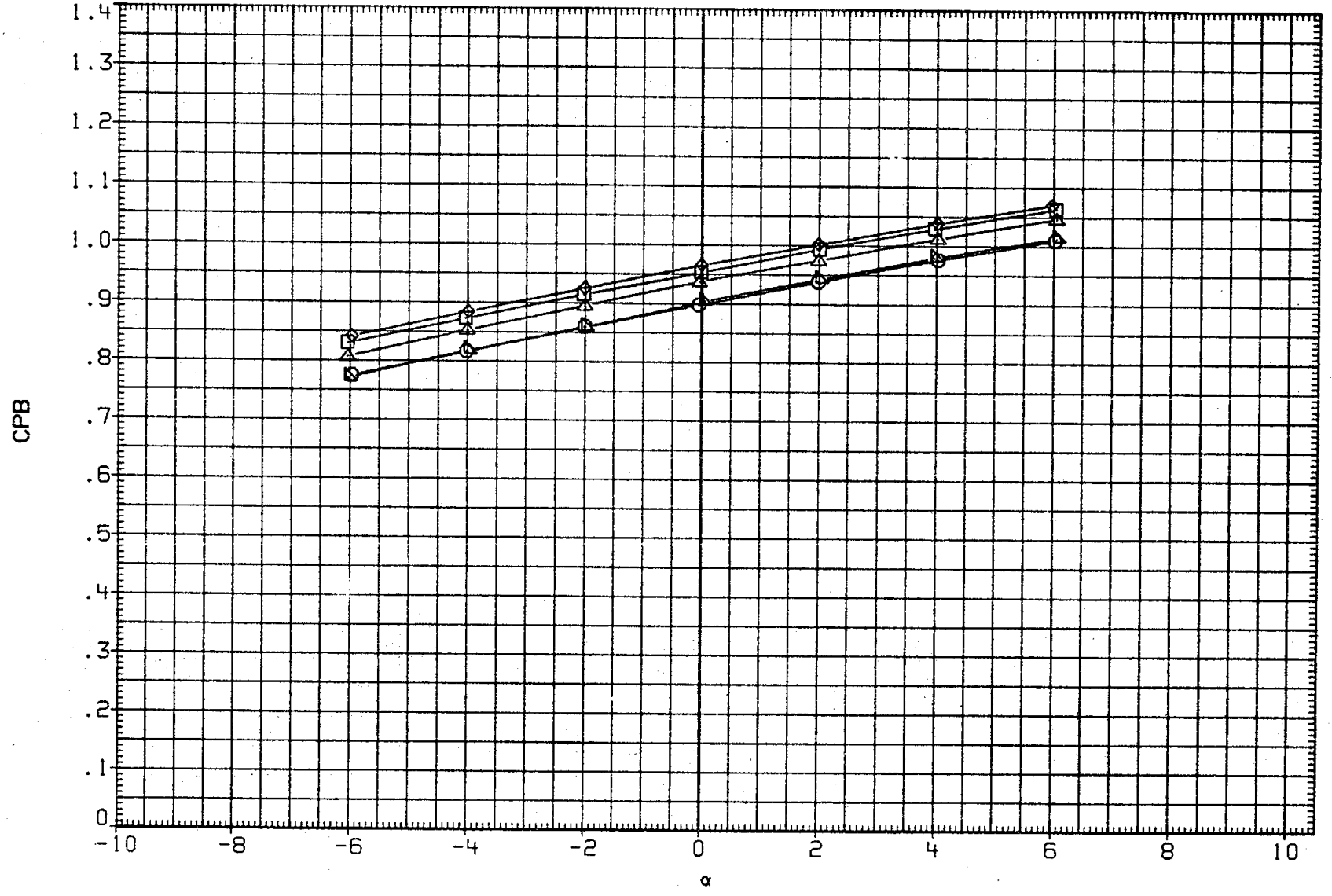

FIG. 5 CPB CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

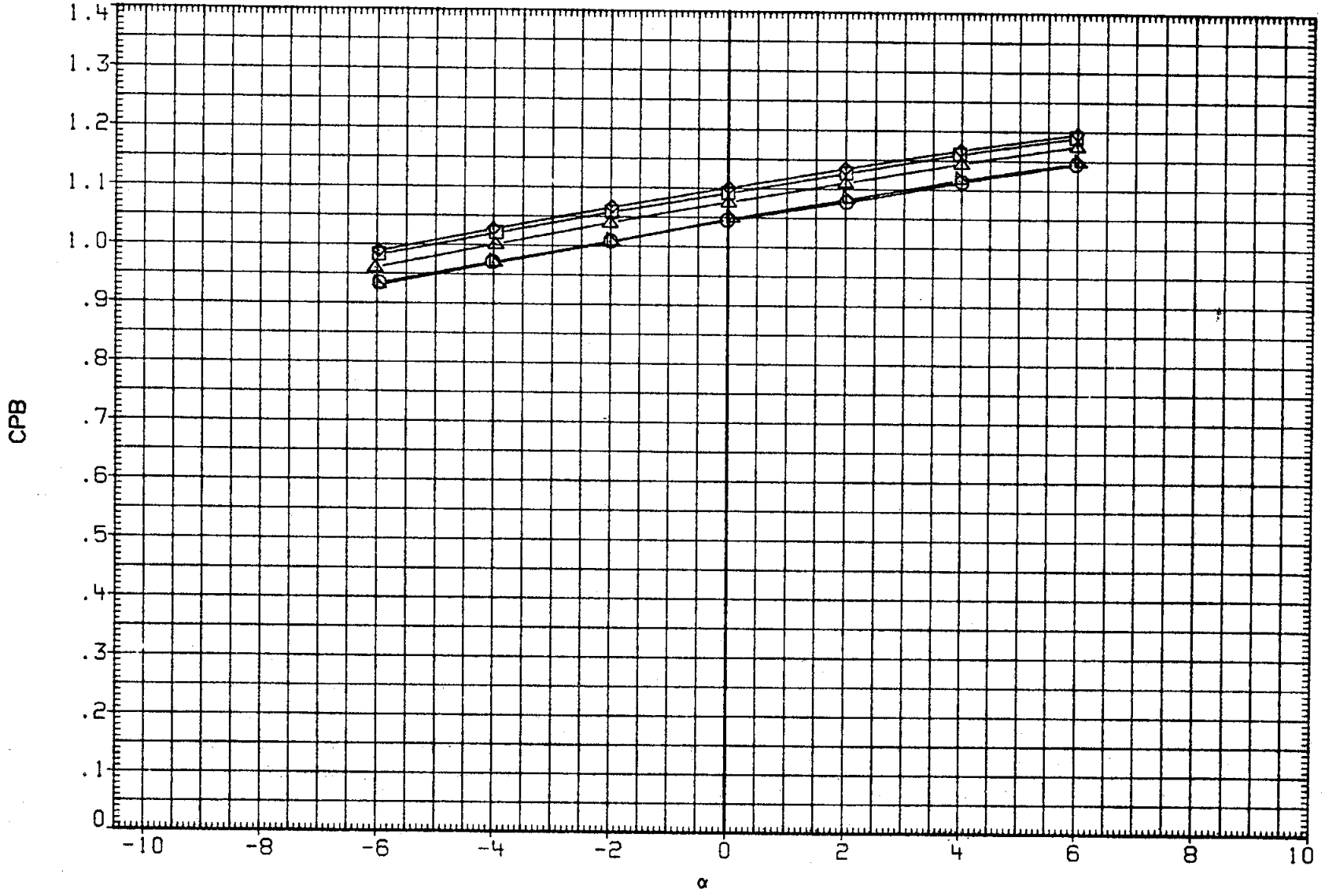

FIG. 5 CPB CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

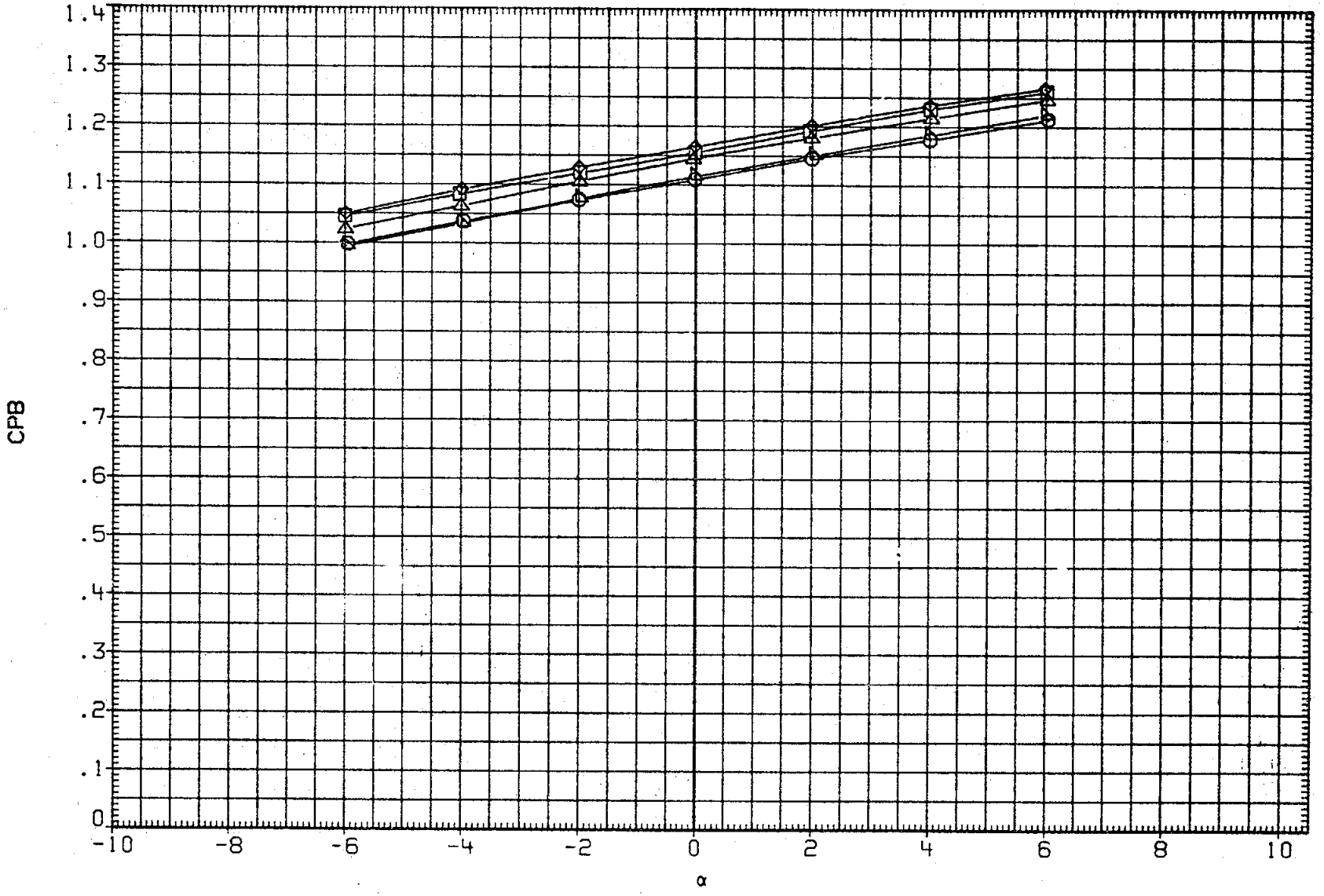

FIG. 5 CPB CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

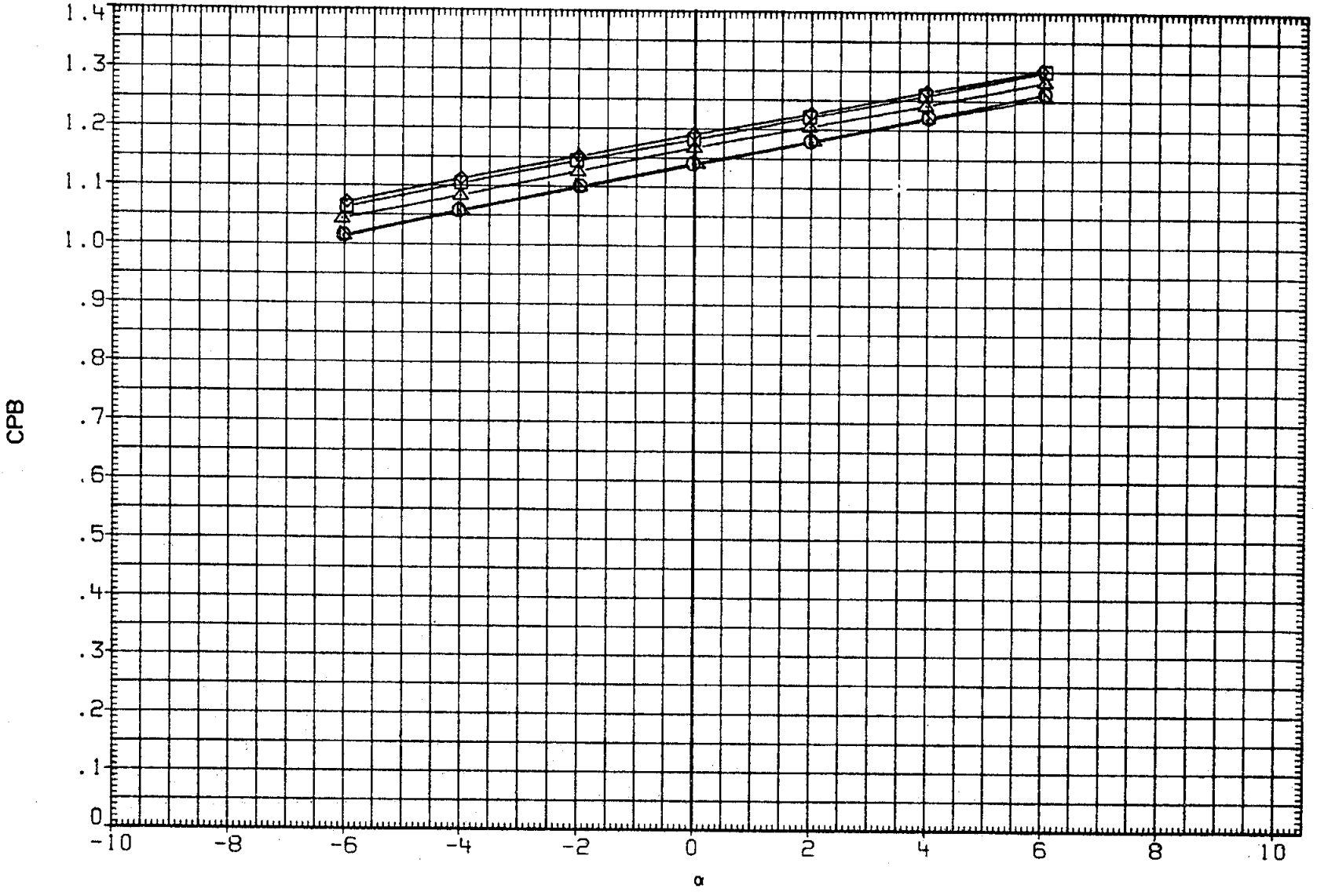

FIG. 5 CPB CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

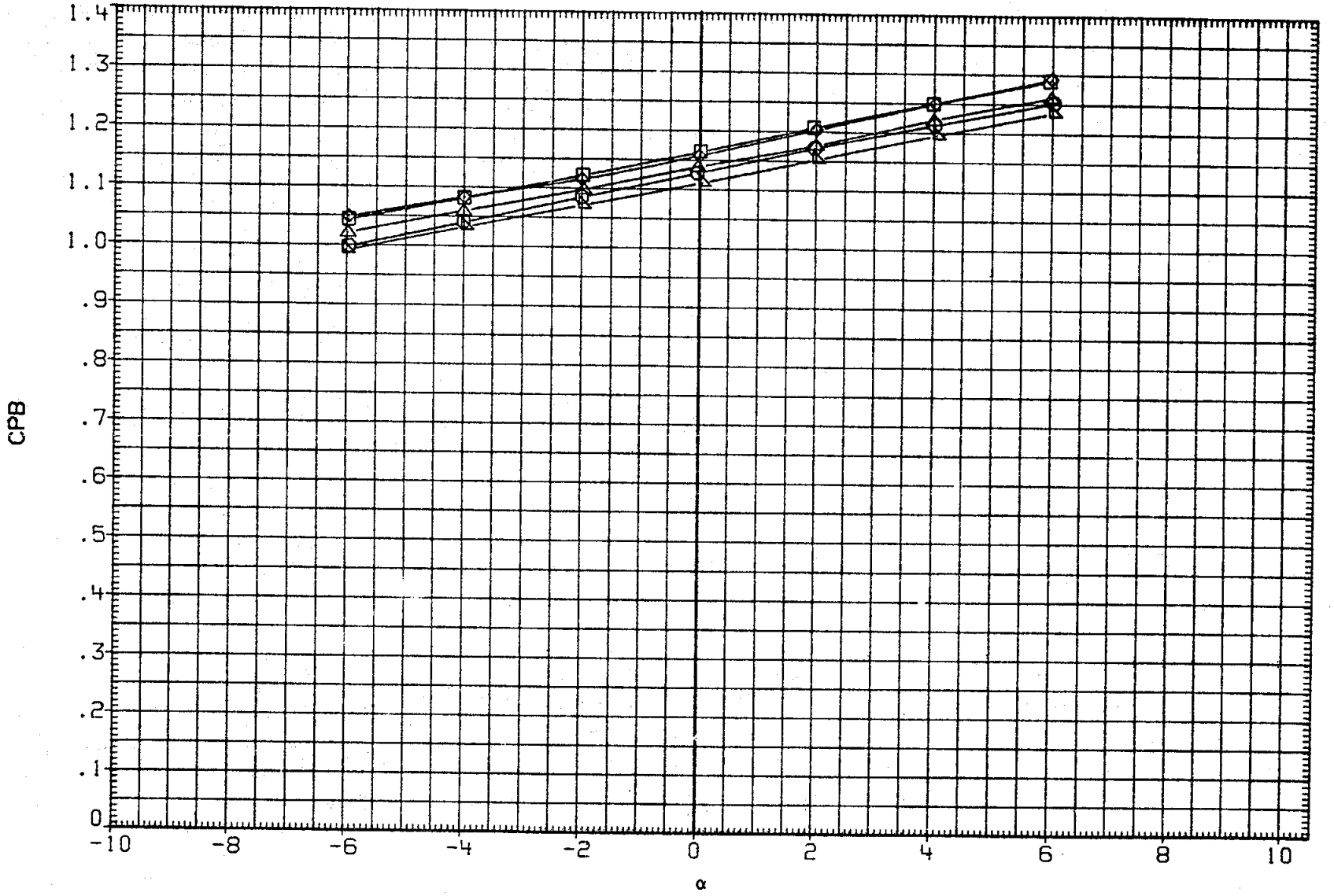

FIG. 5 CPB CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

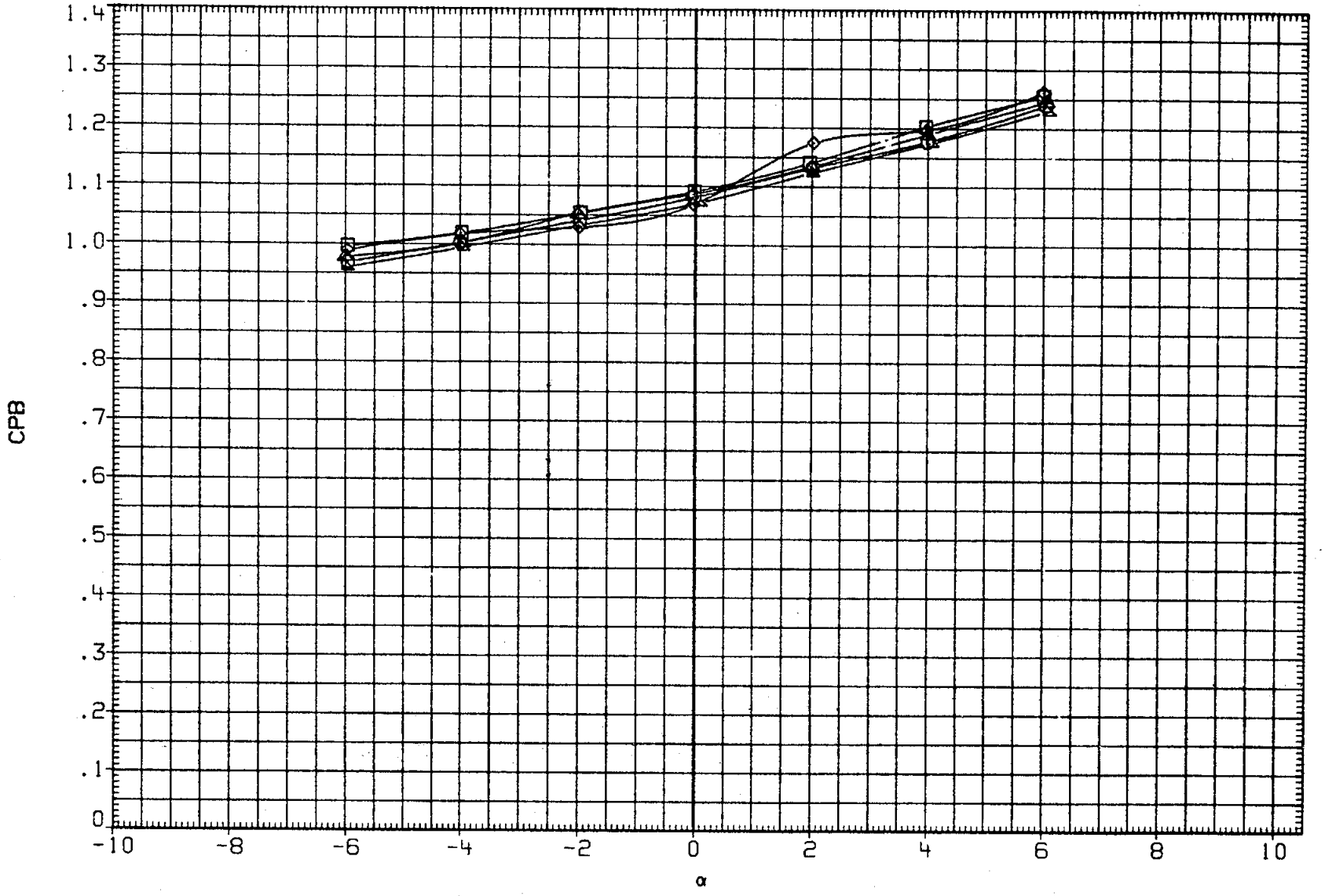

FIG. 5 CPB CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

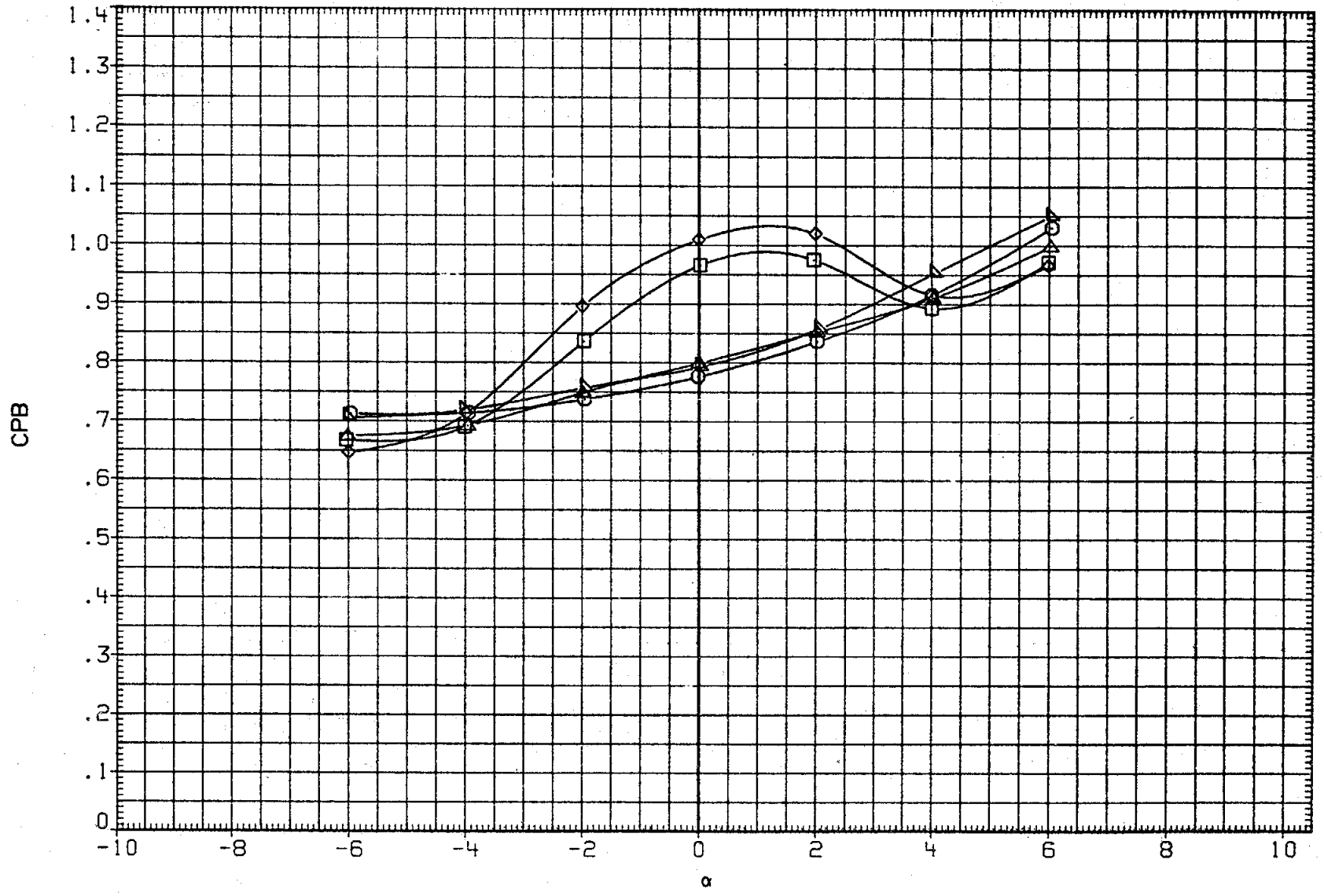

FIG. 5 CPB CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

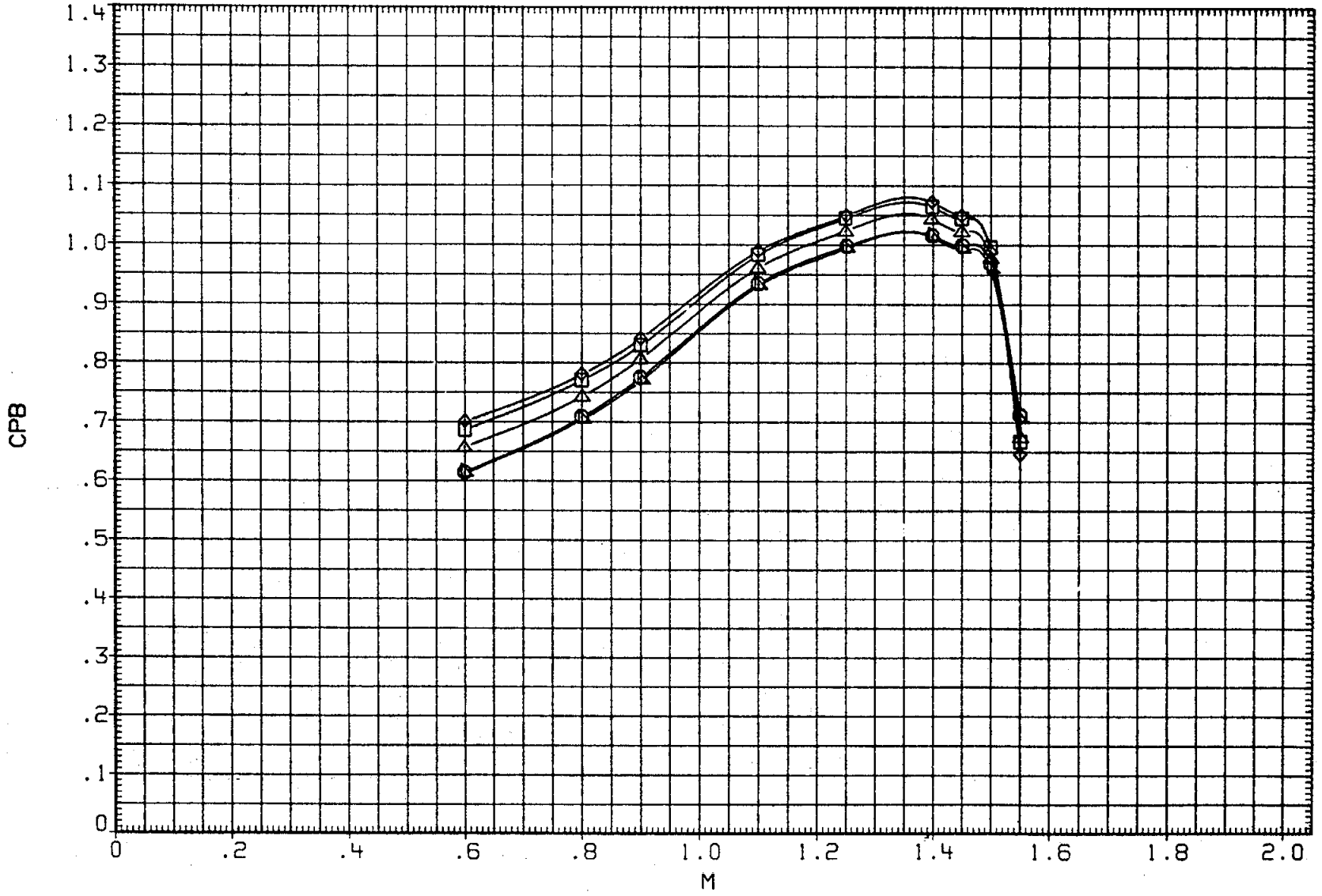

FIG. 5 CPB CHARACTERISTICS

(A) ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

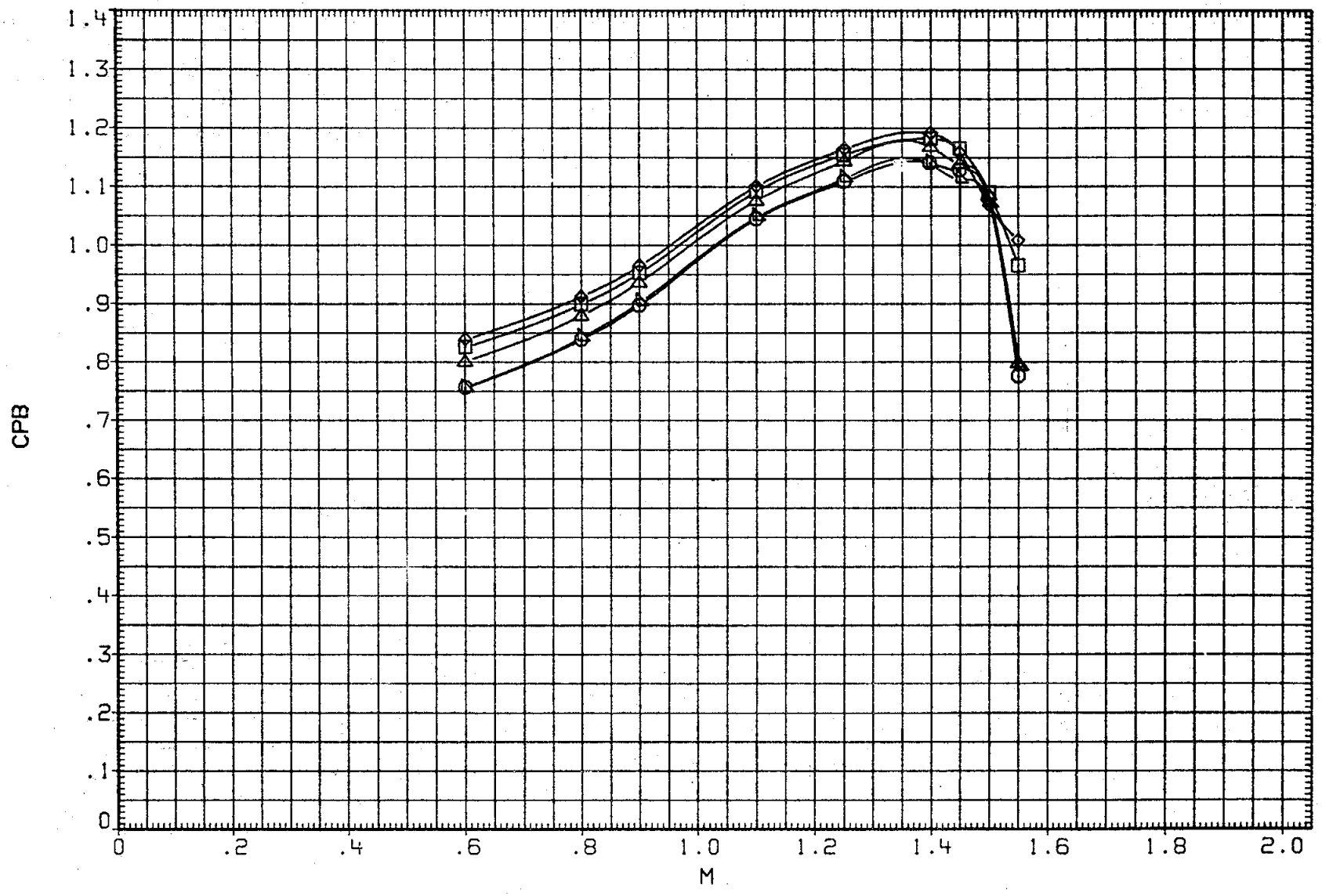

FIG. 5 CPB CHARACTERISTICS

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

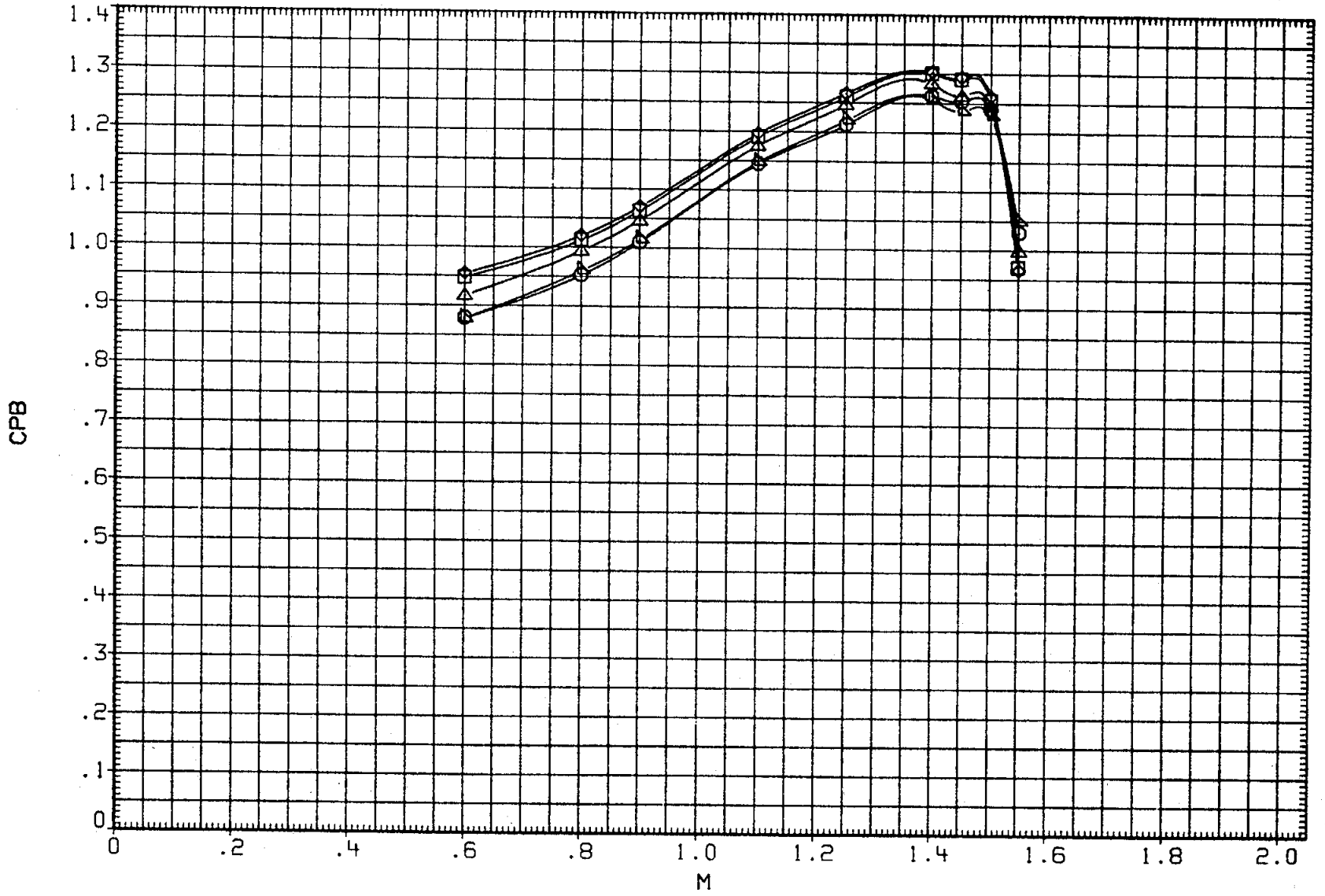

FIG. 5 CPB CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

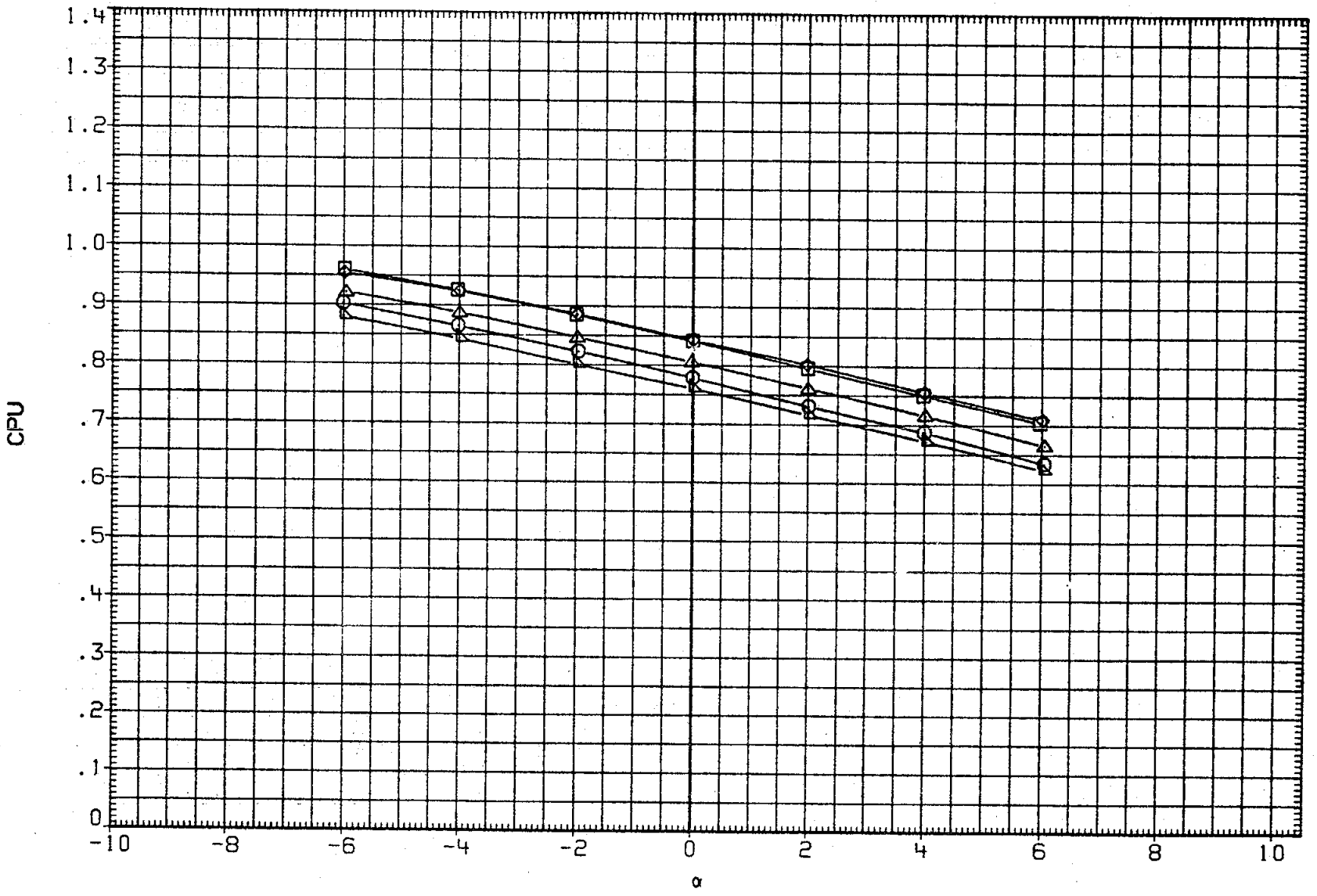

FIG. 6 CPU CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

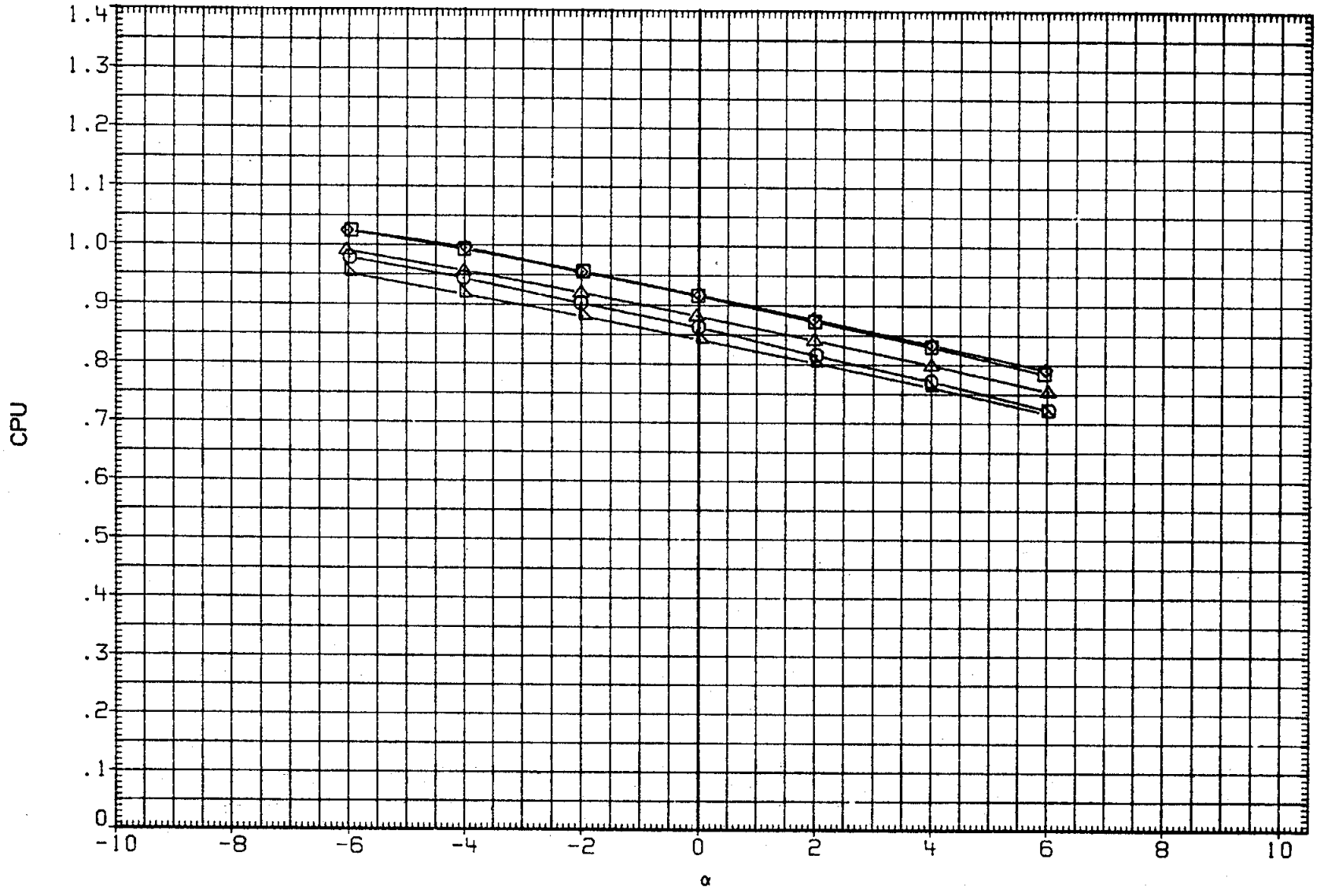

FIG. 6 CPU CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

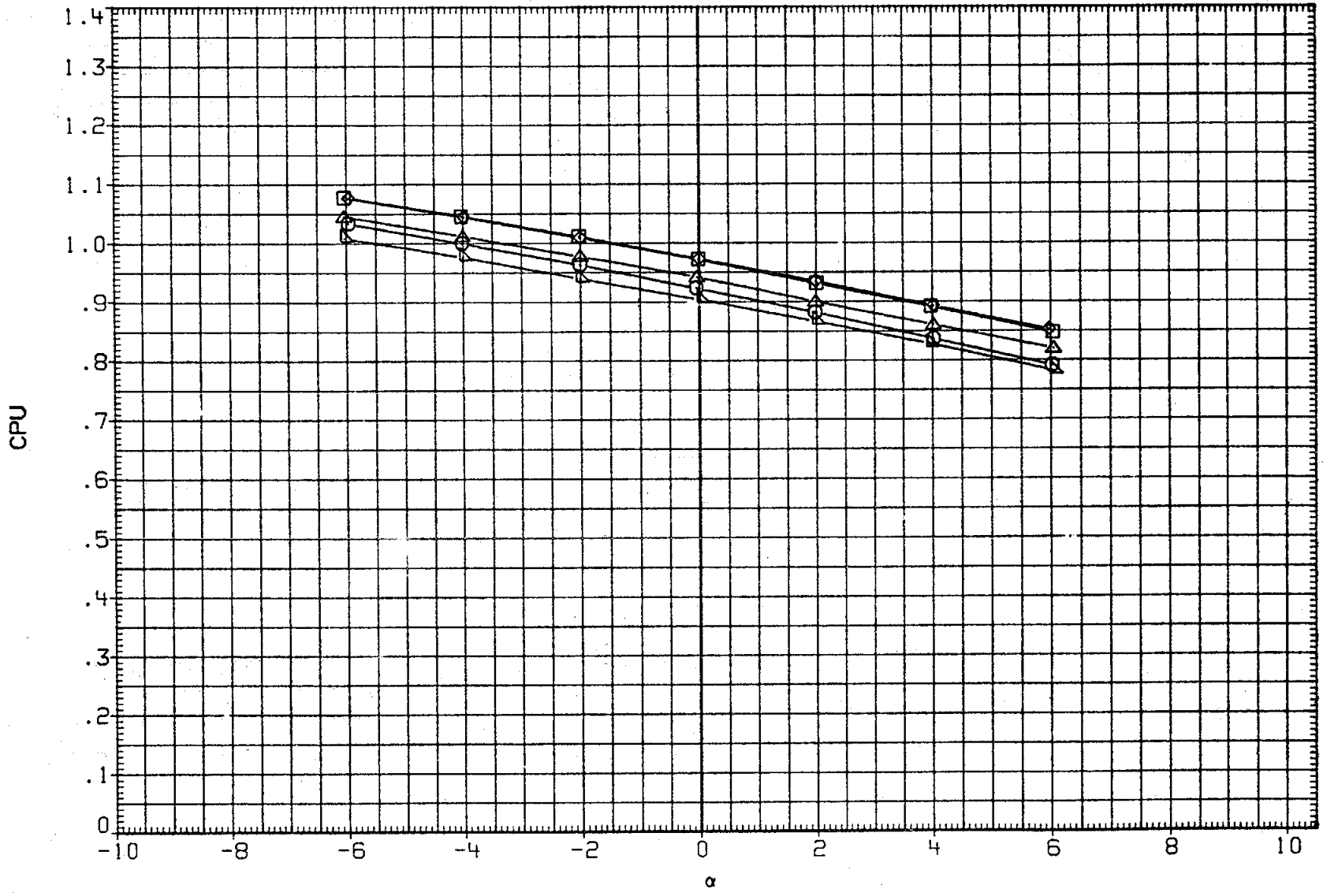

FIG. 6 CPU CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

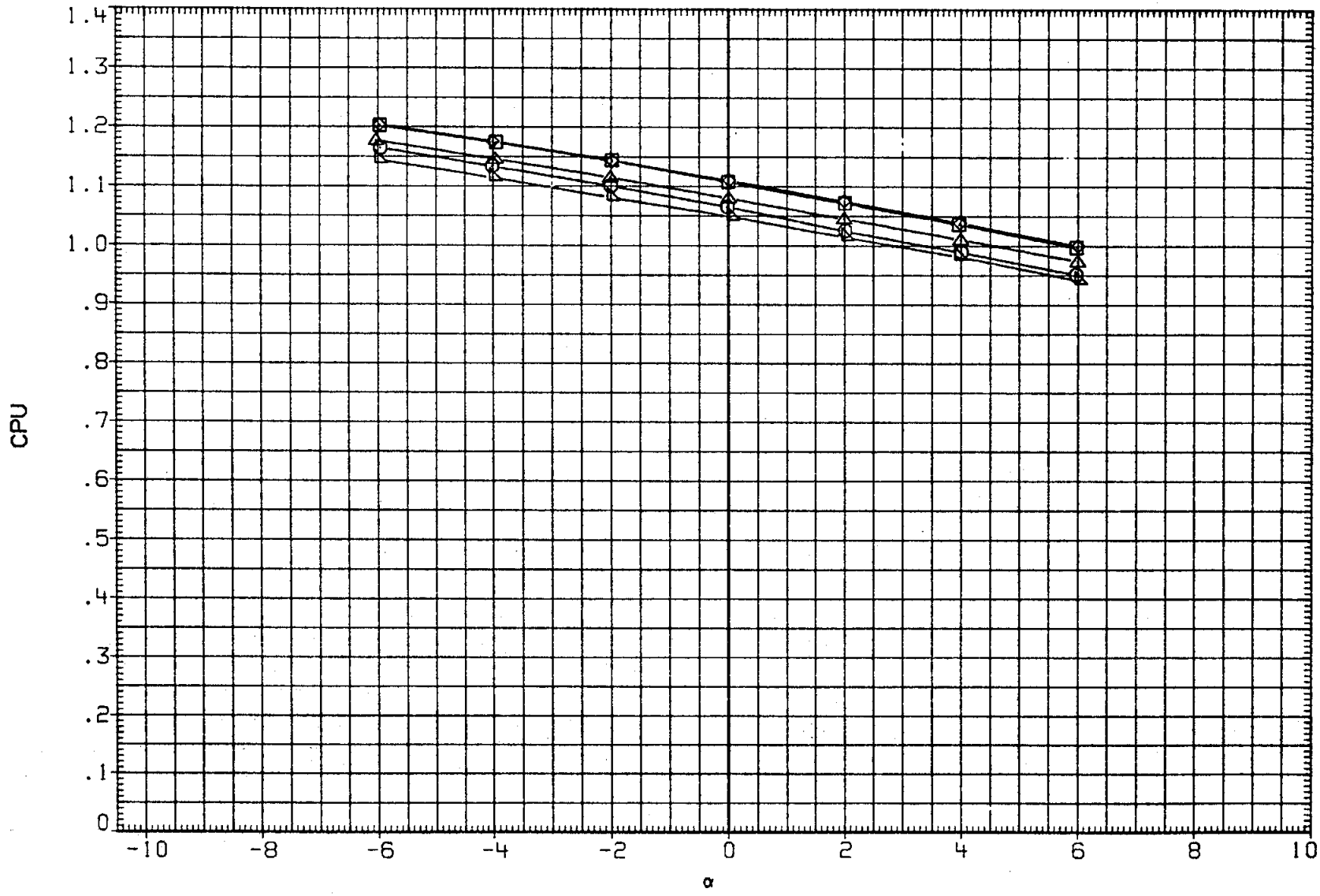

FIG. 6 CPU CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

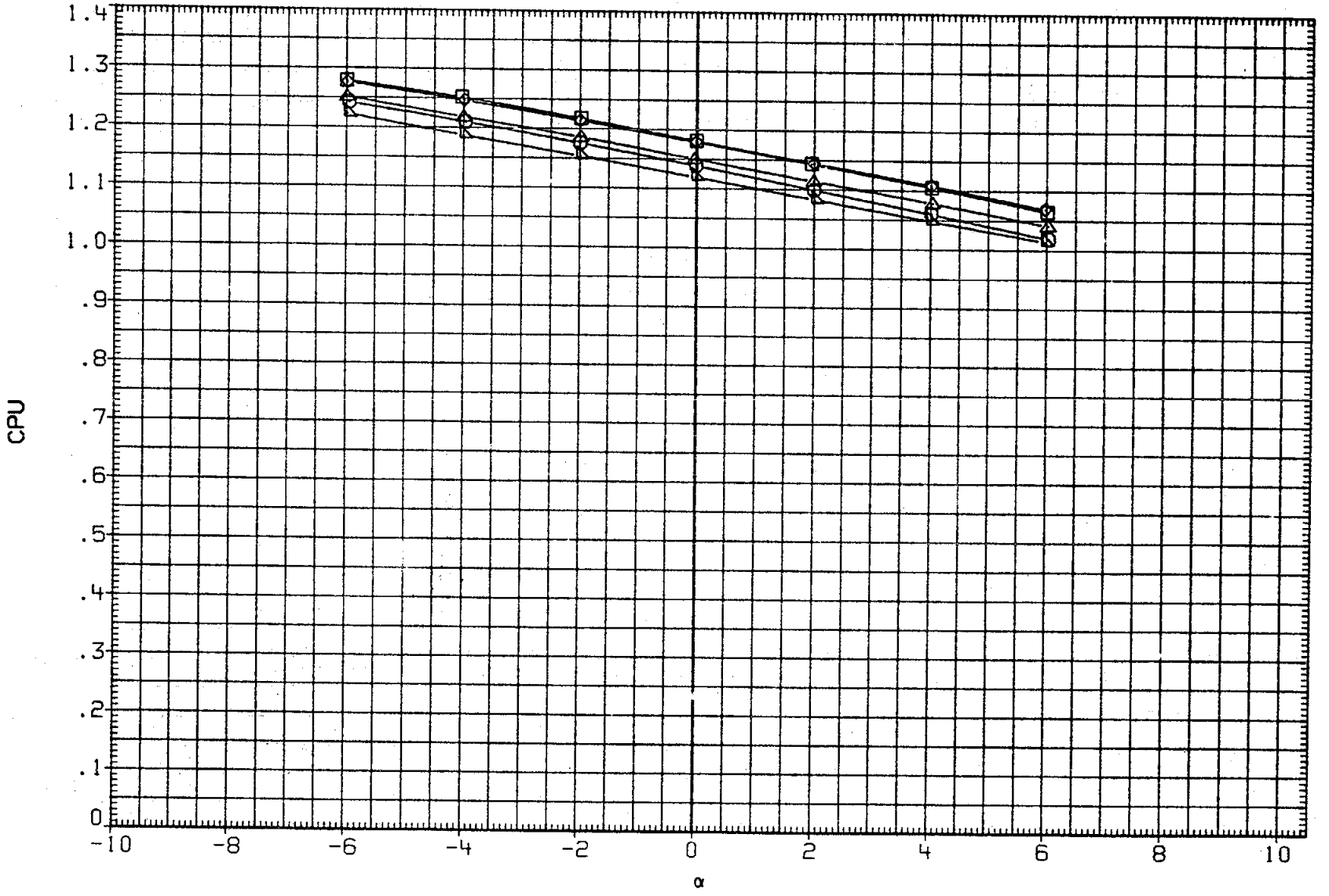

FIG. 6 CPU CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

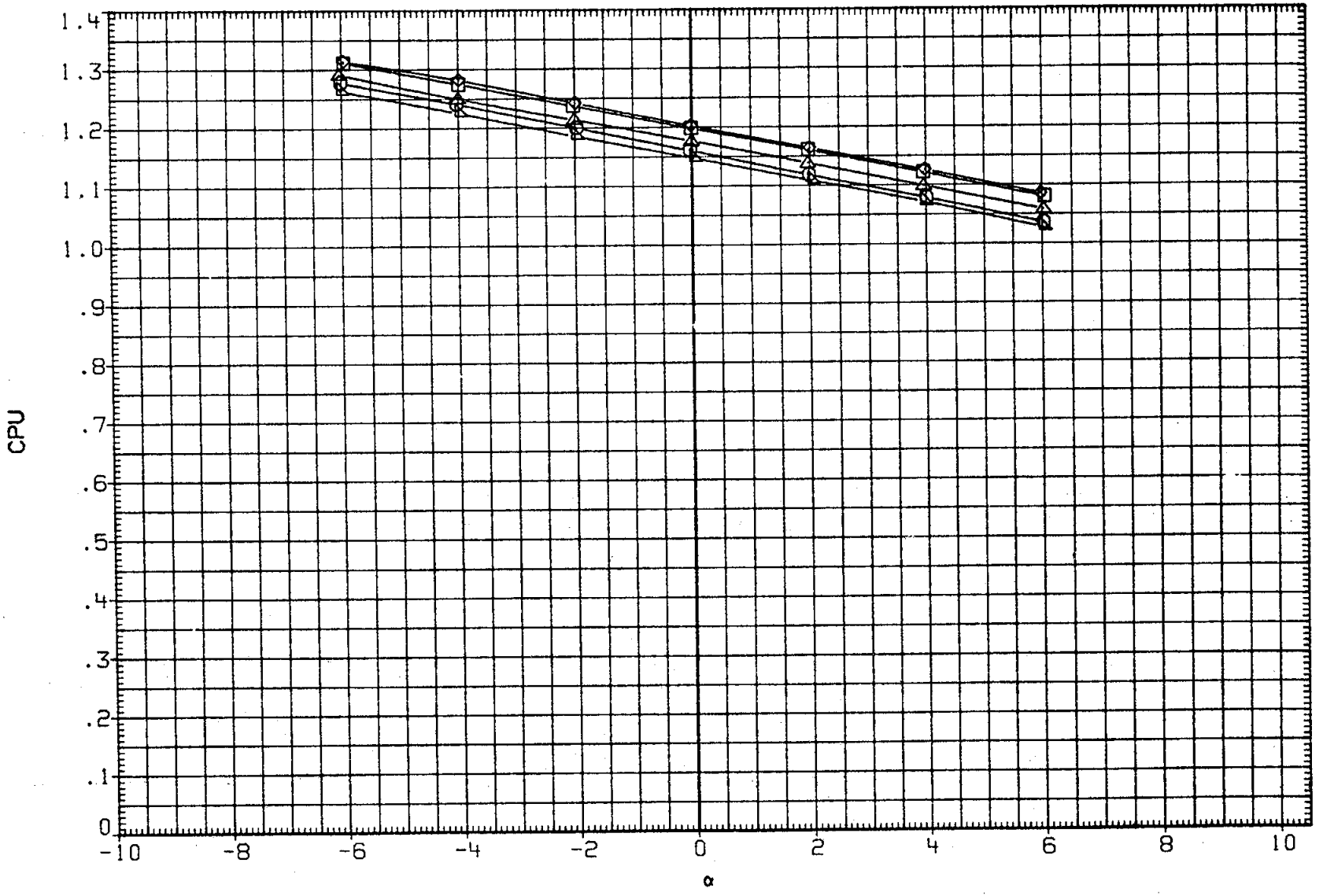

FIG. 6 CPU CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

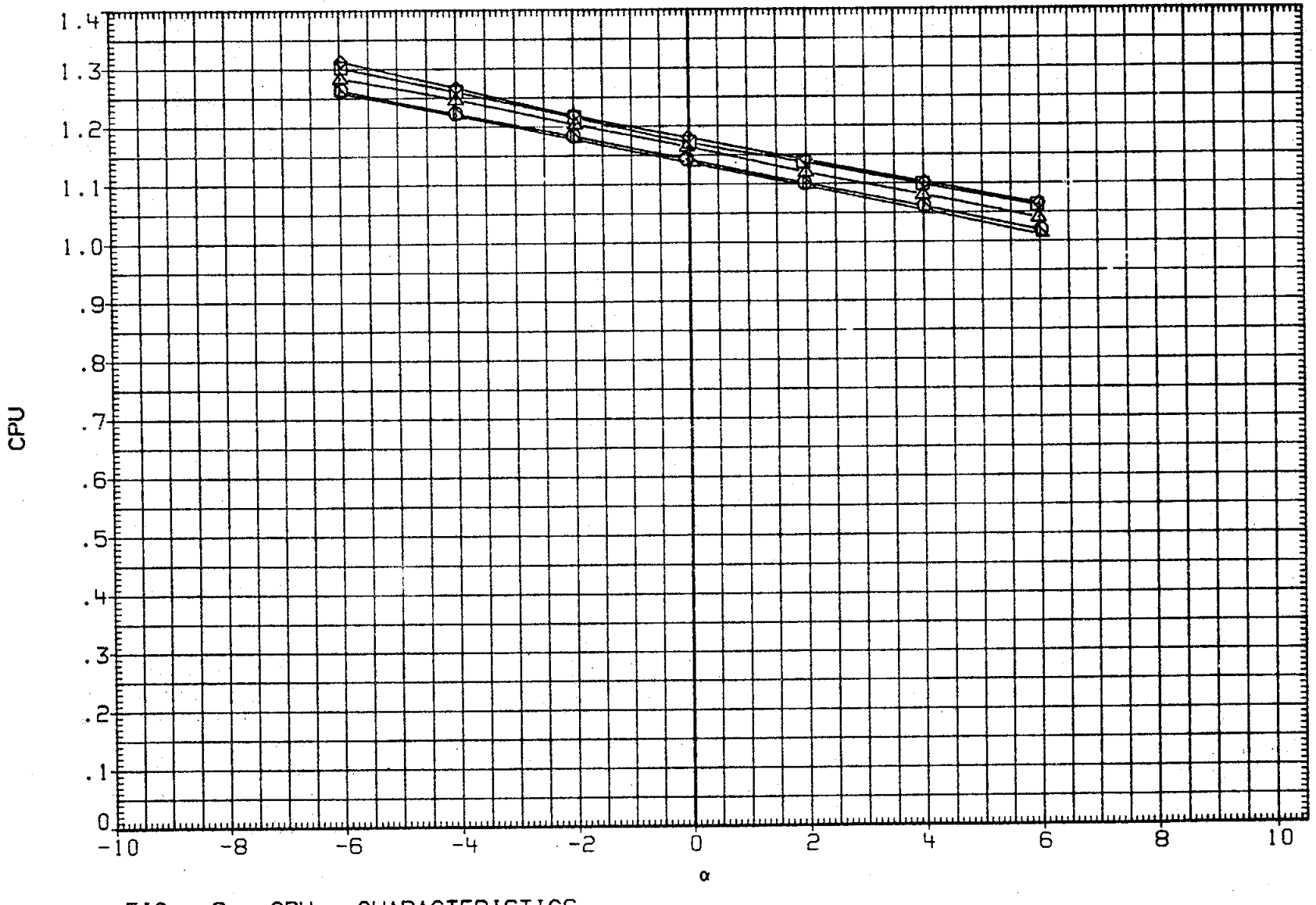

FIG. 6 CPU CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

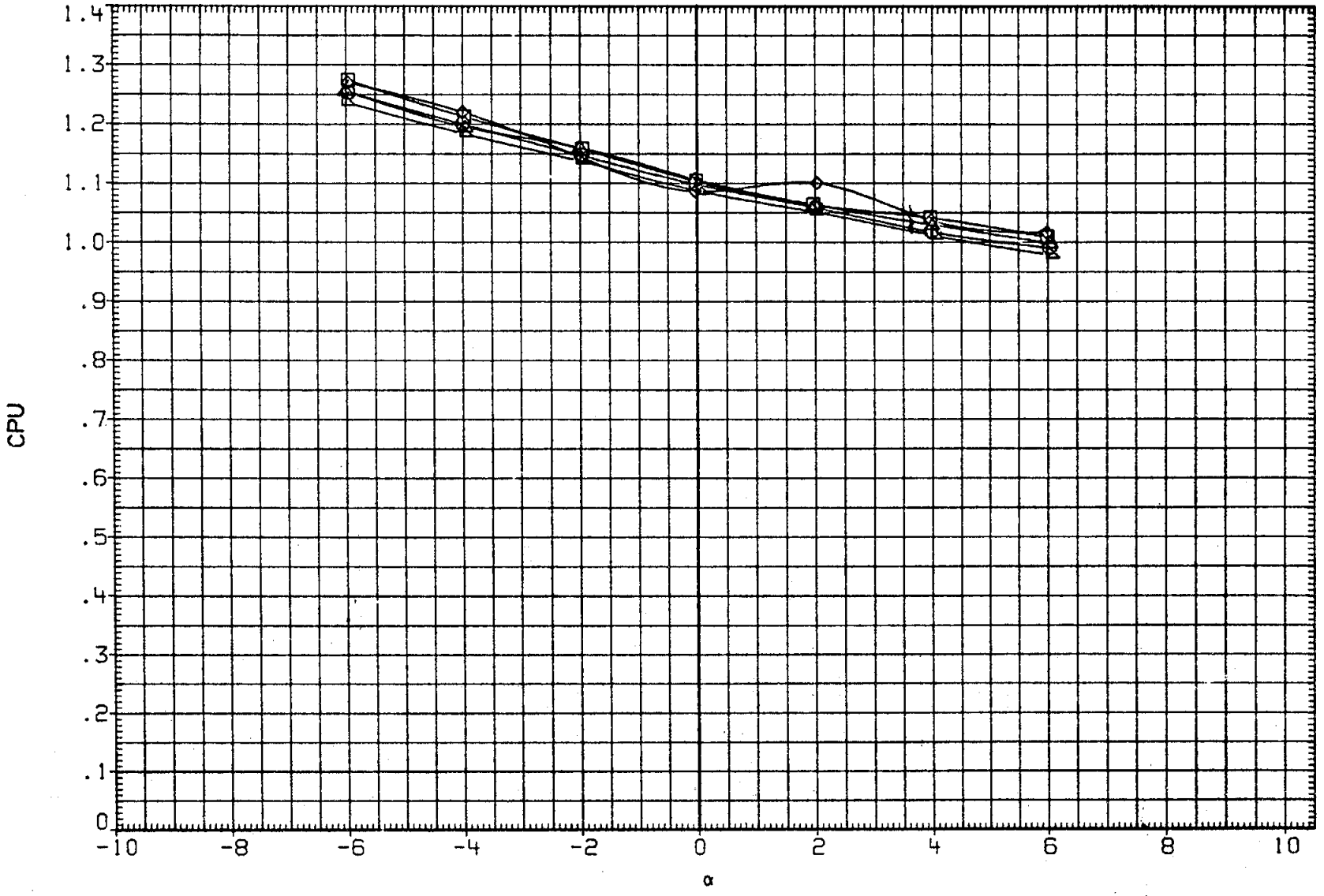

FIG. 6 CPU CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

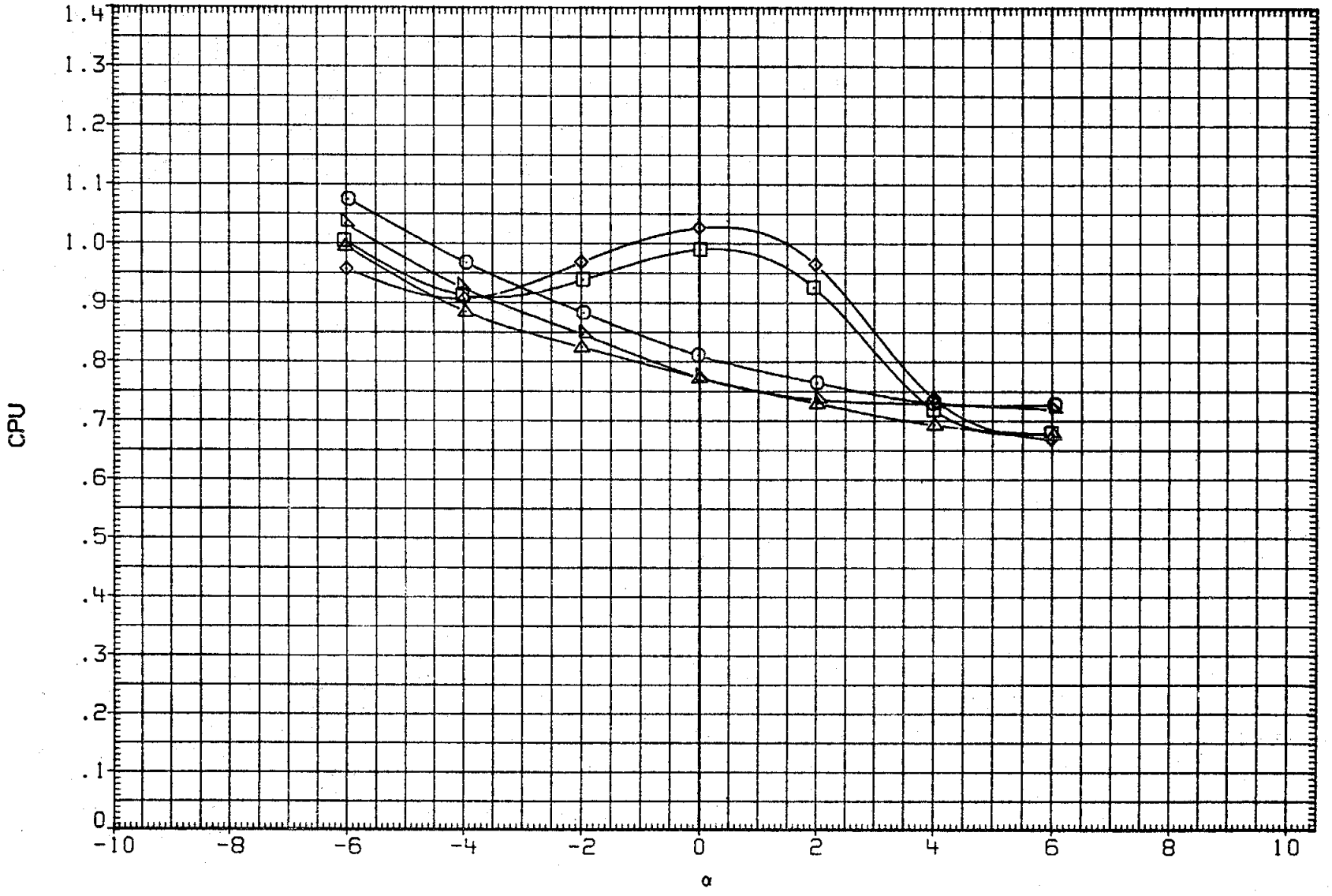

FIG. 6 CPU CHARACTERISTICS

(1)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

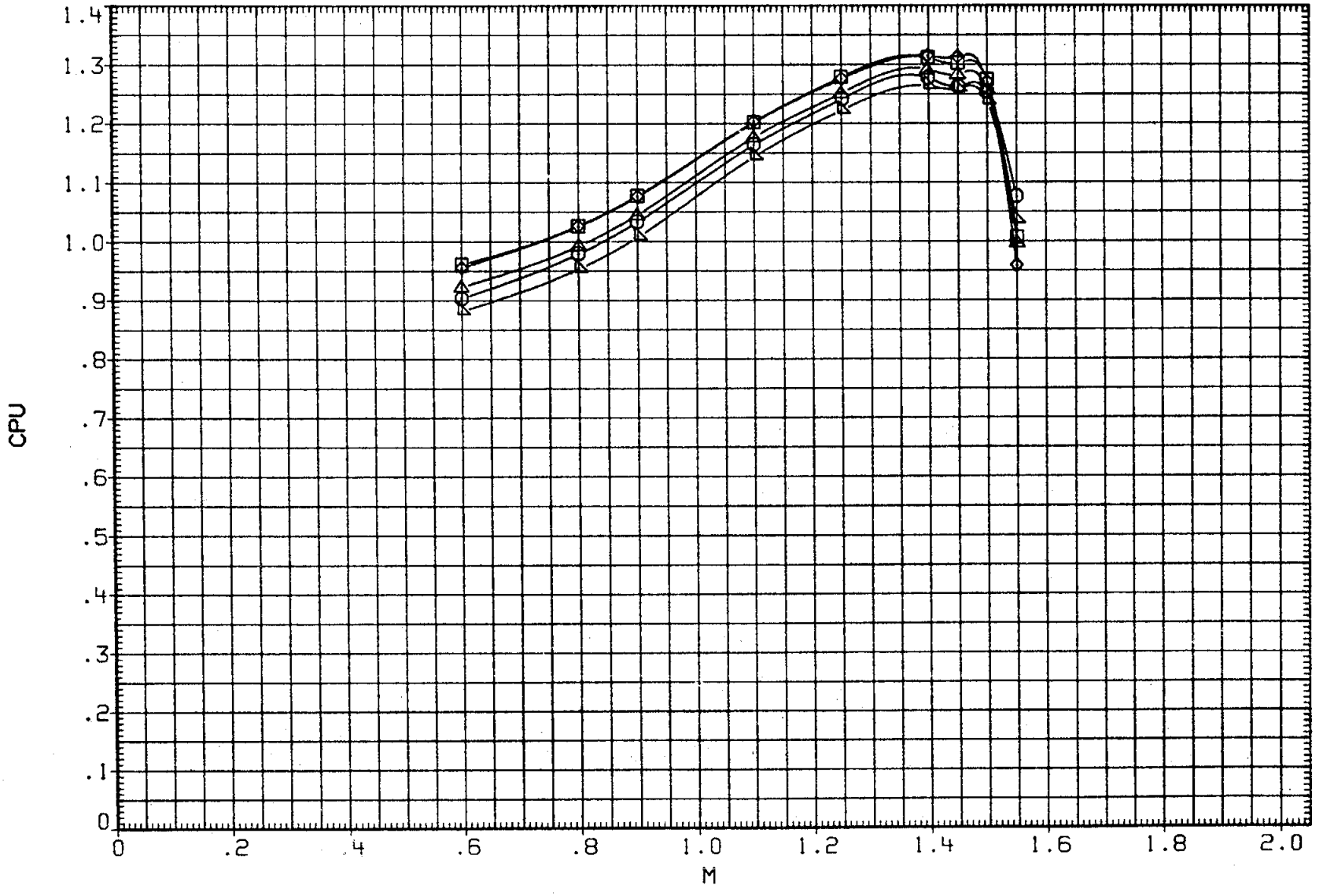

FIG. 6 CPU CHARACTERISTICS

(A) ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

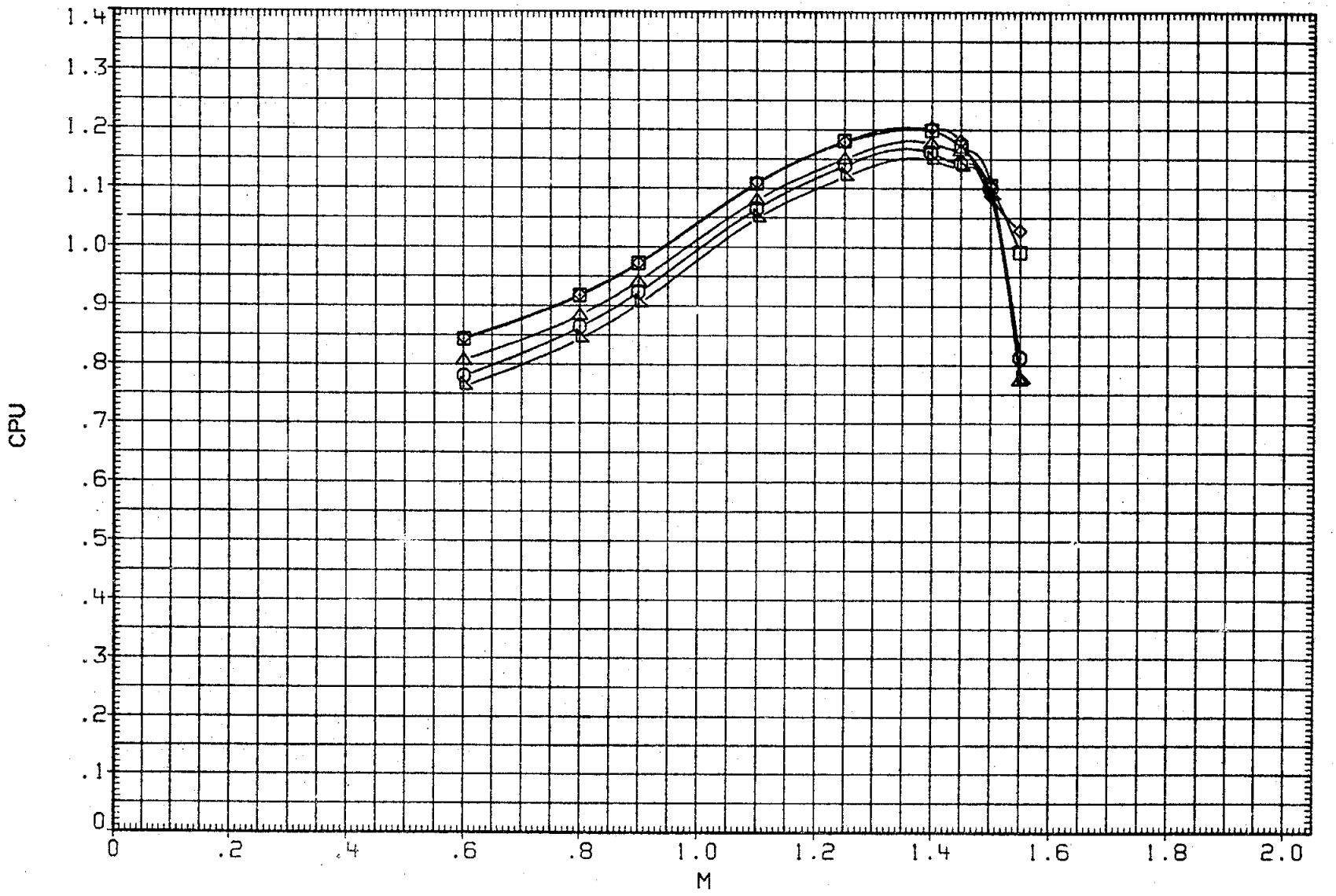

FIG. 6 CPU CHARACTERISTICS

(B) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

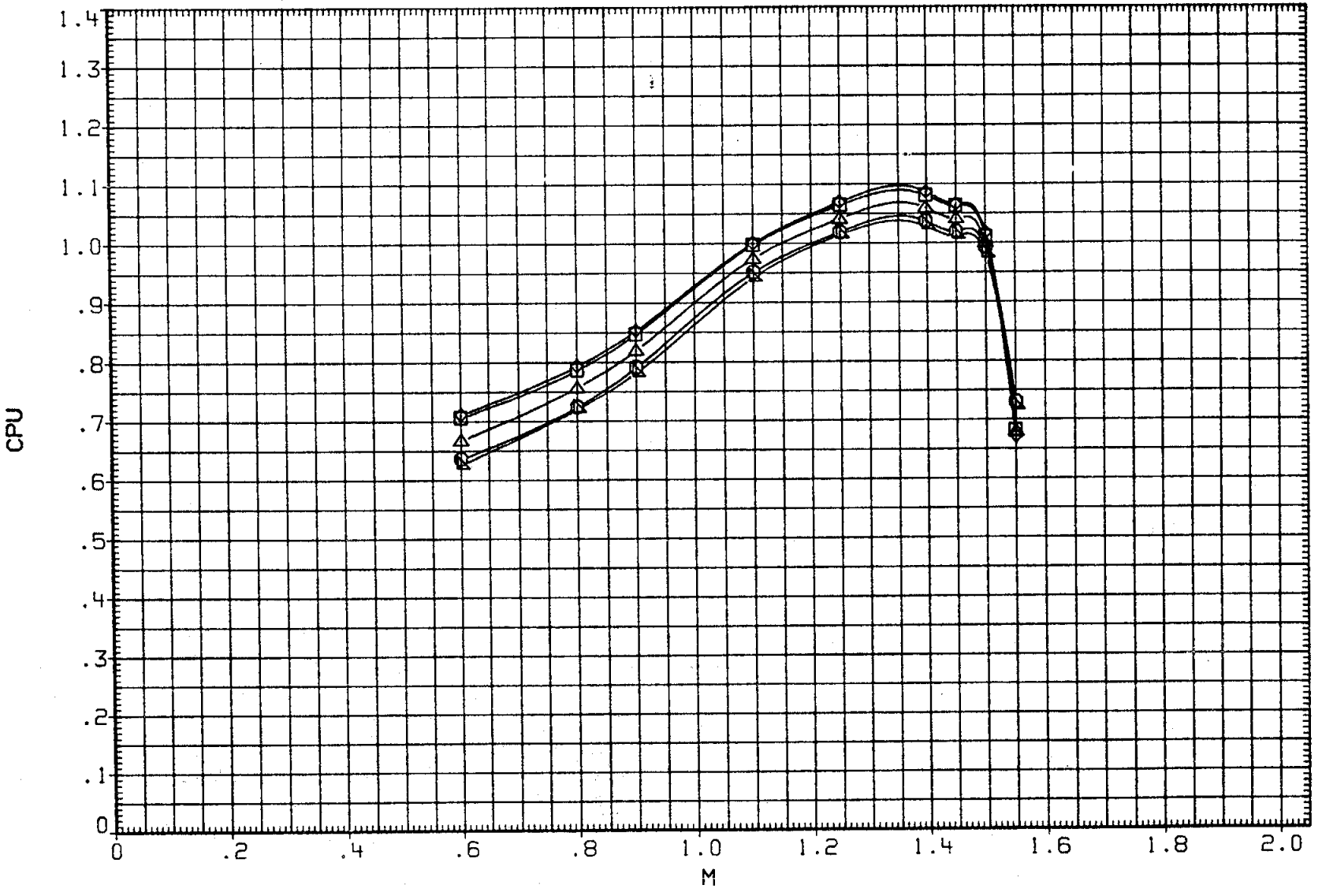

FIG. 6 CPU CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

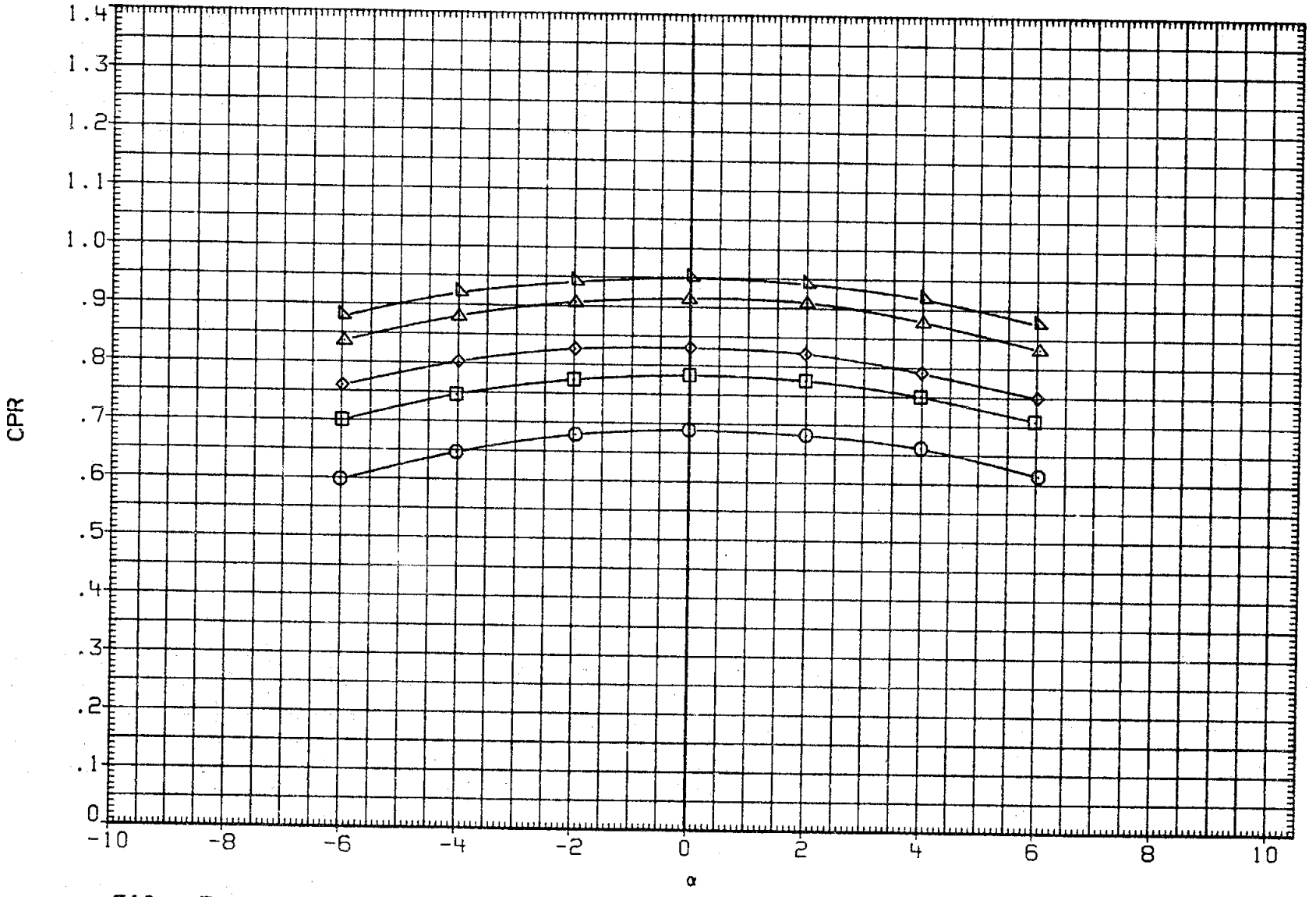

FIG. 7 CPR CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

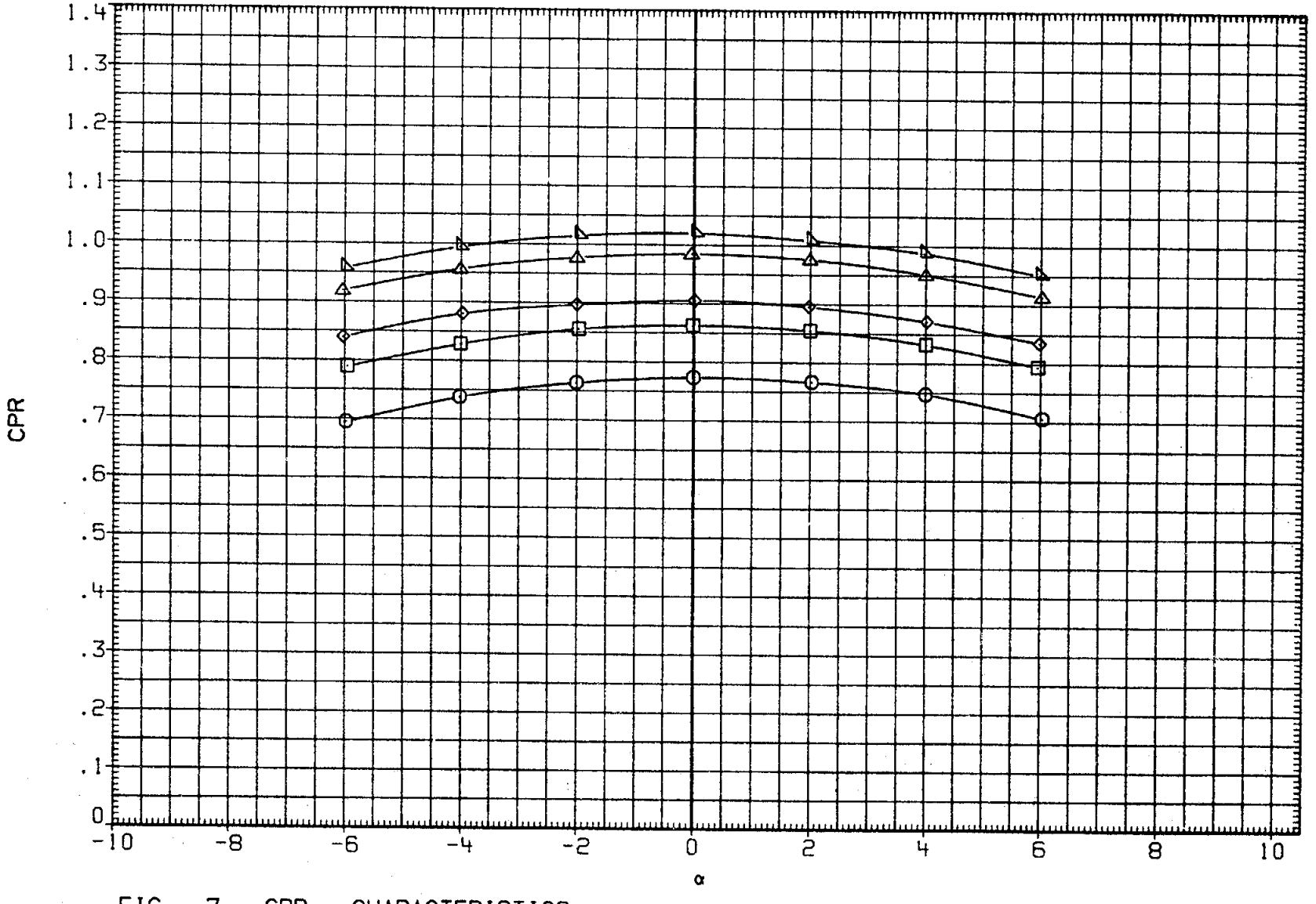

FIG. 7 CPR CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

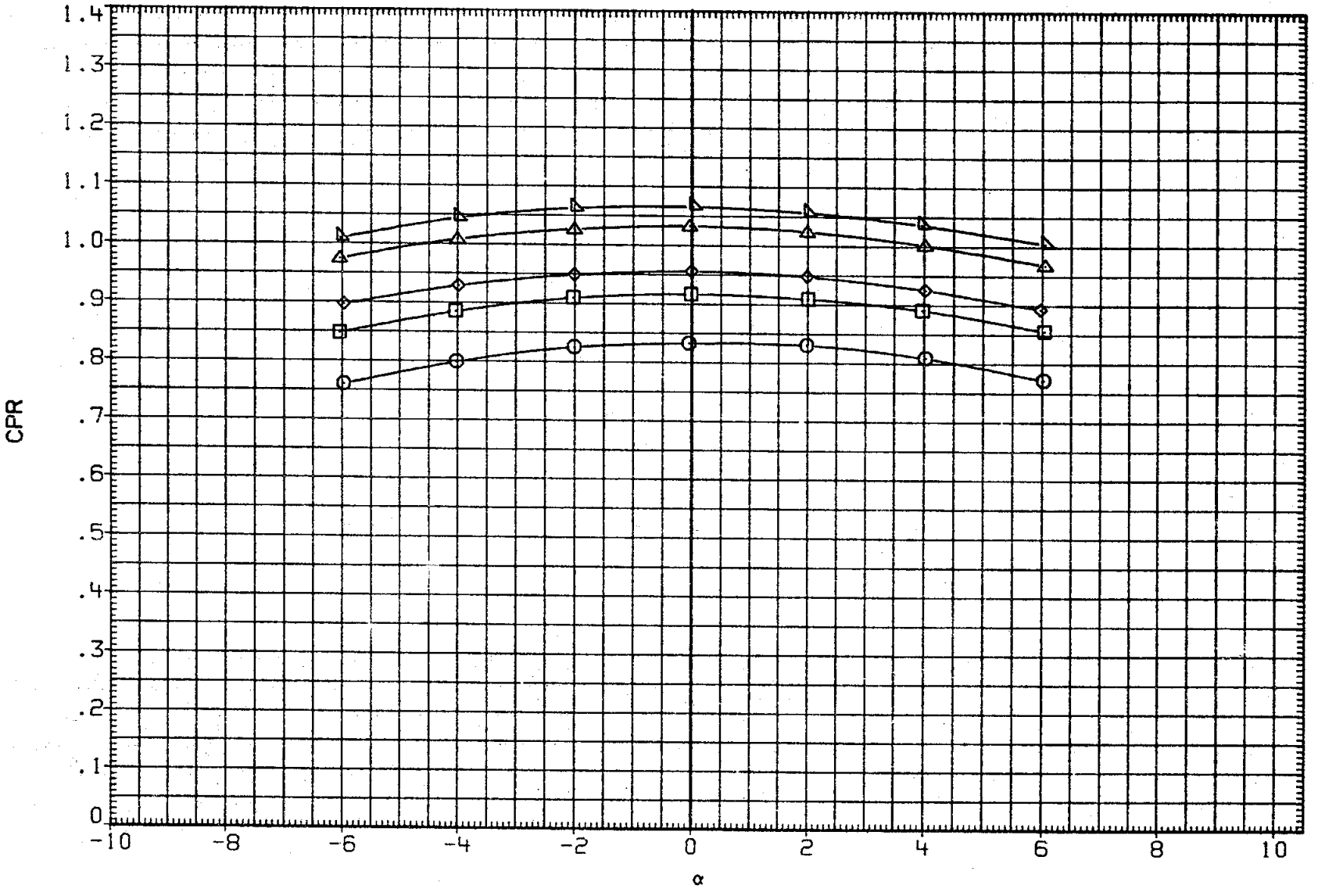

FIG. 7 CPR CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

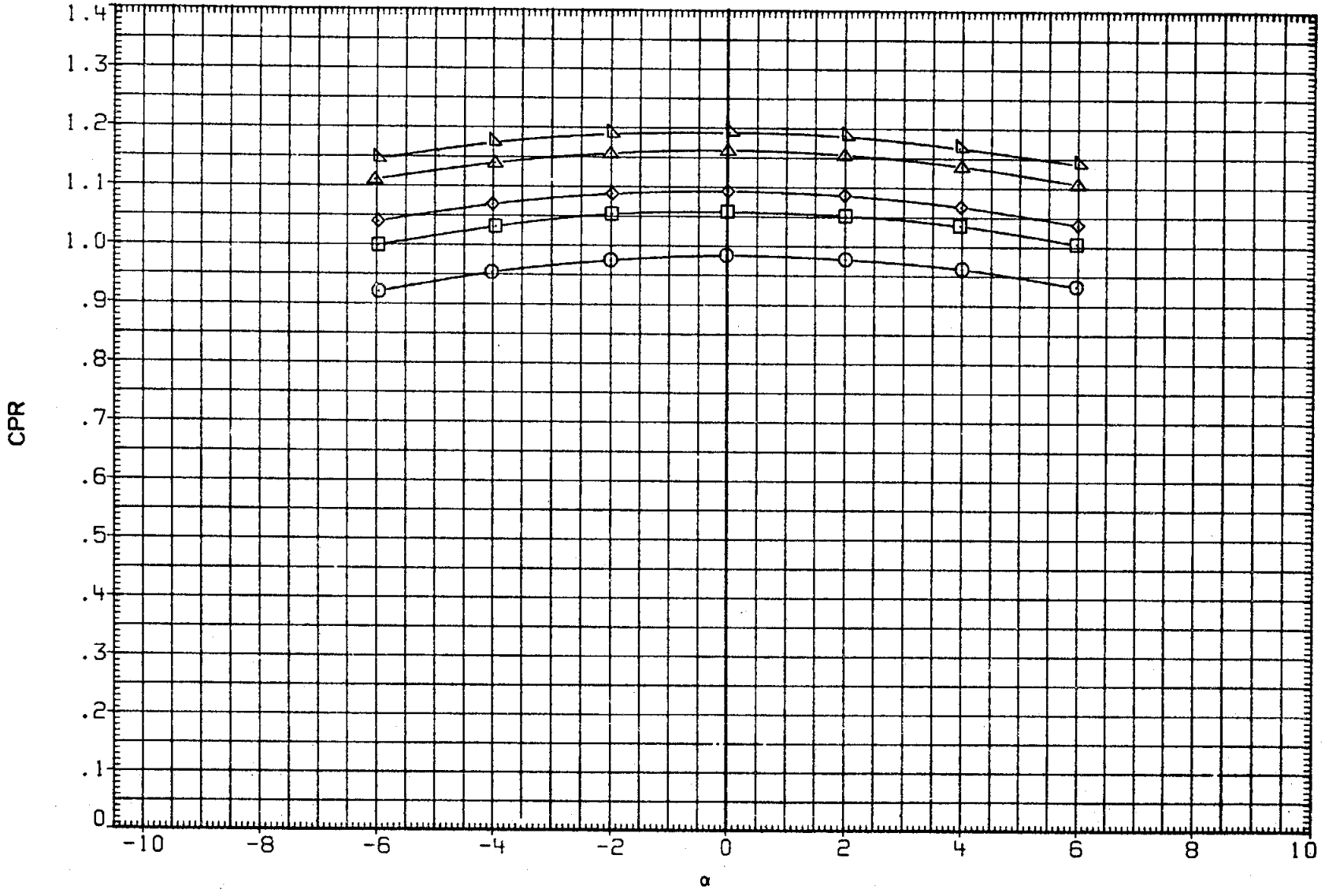

FIG. 7 CPR CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

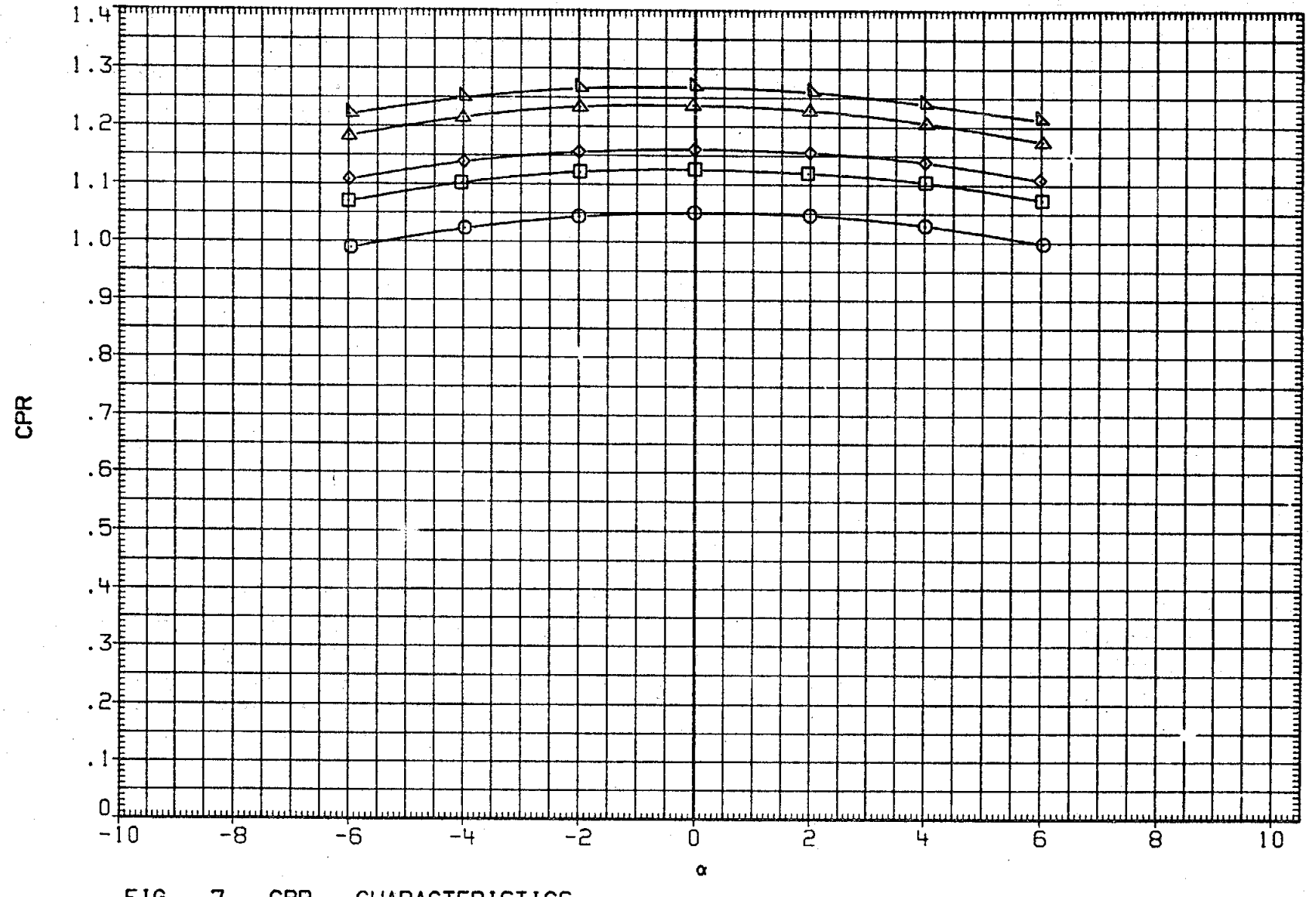

FIG. 7 CPR CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

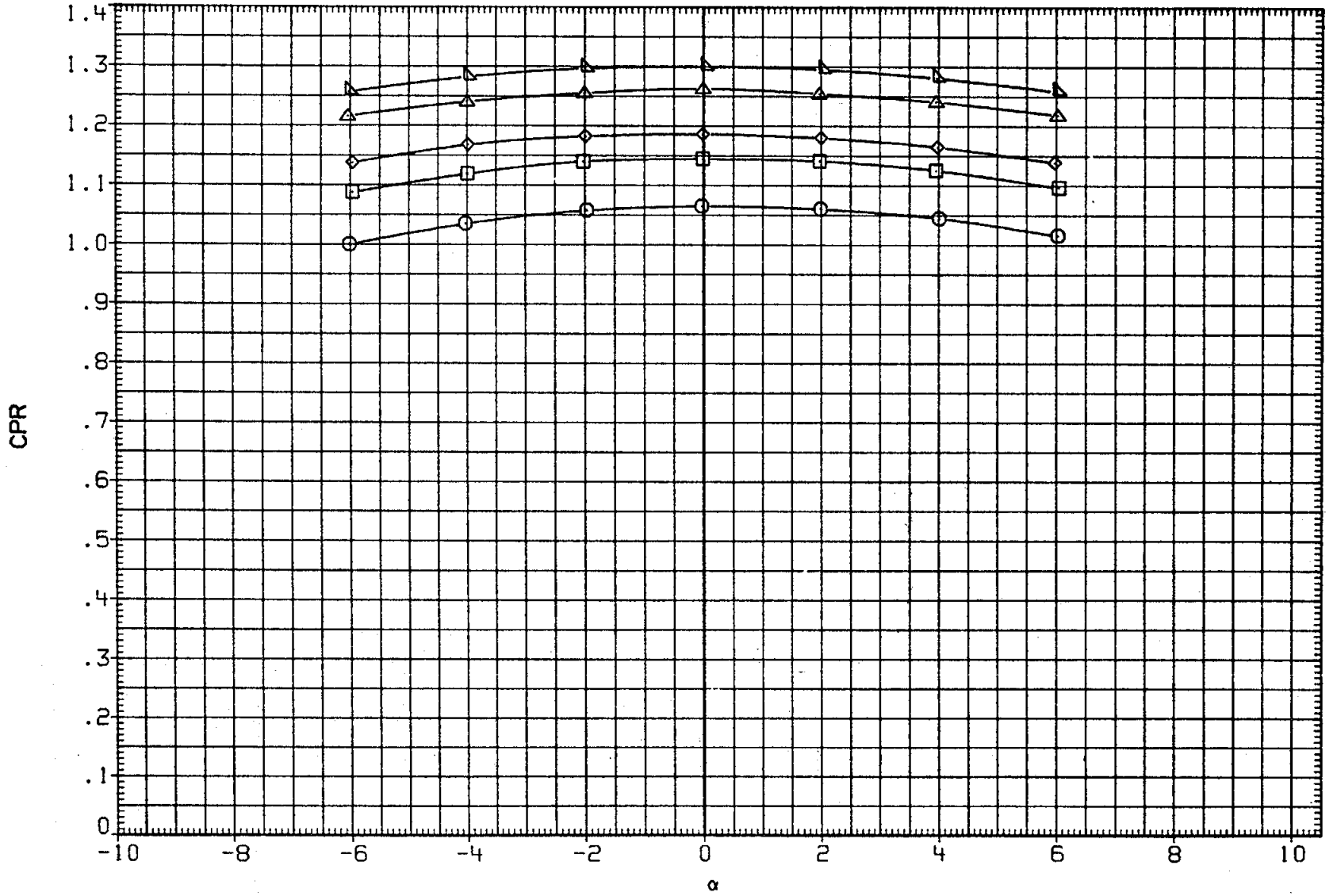

FIG. 7 CPR CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

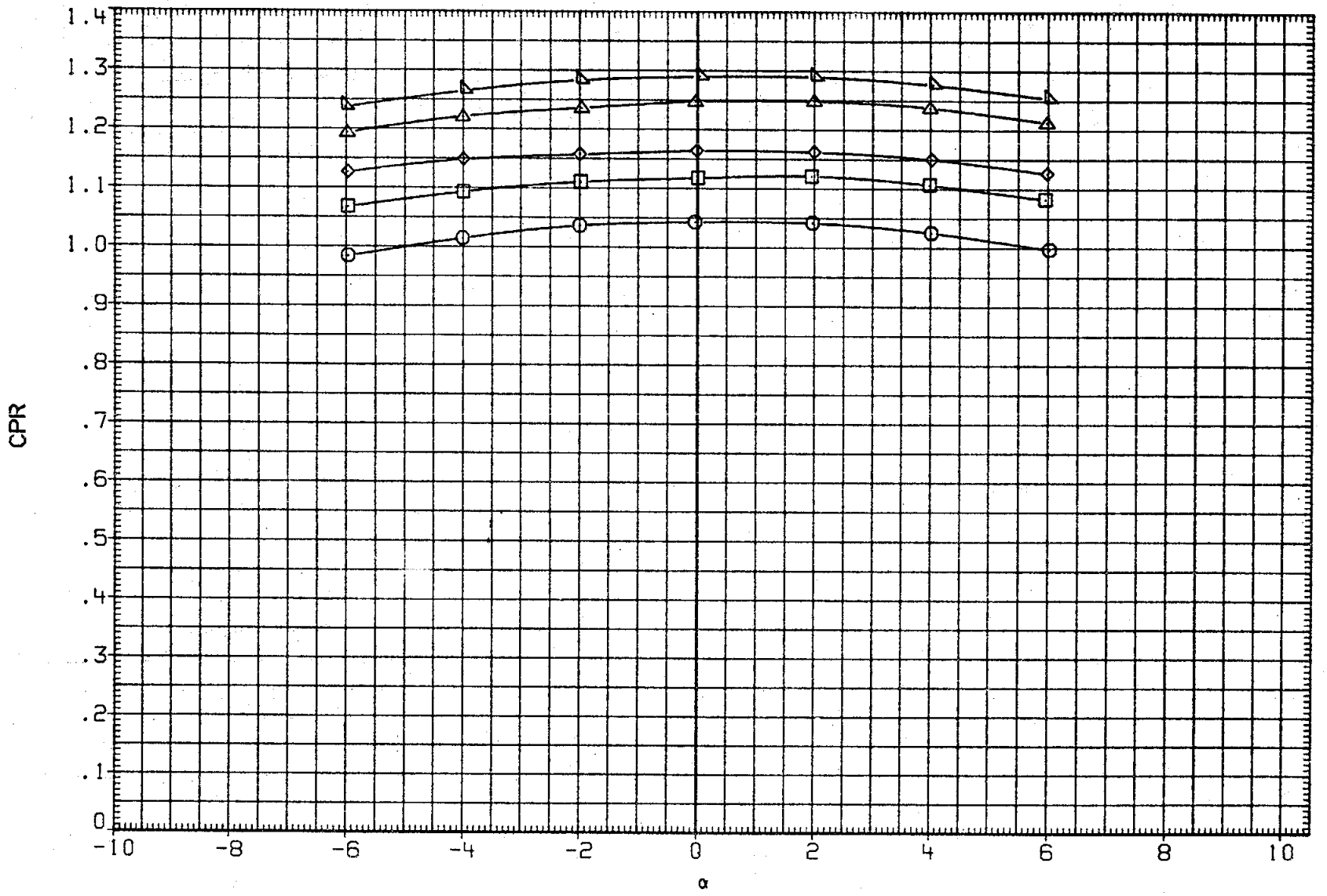

FIG. 7 CPR CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

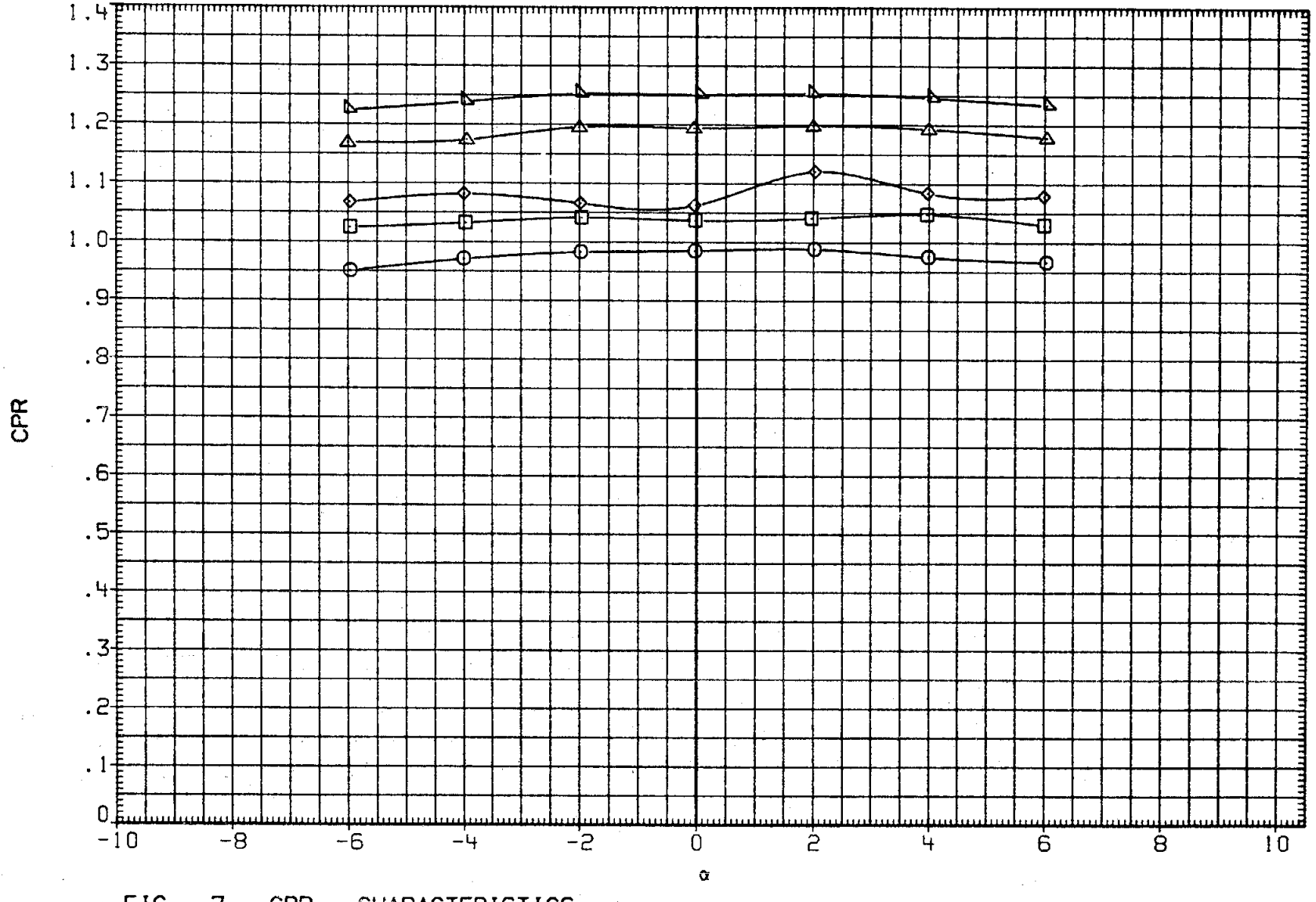

FIG. 7 CPR CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

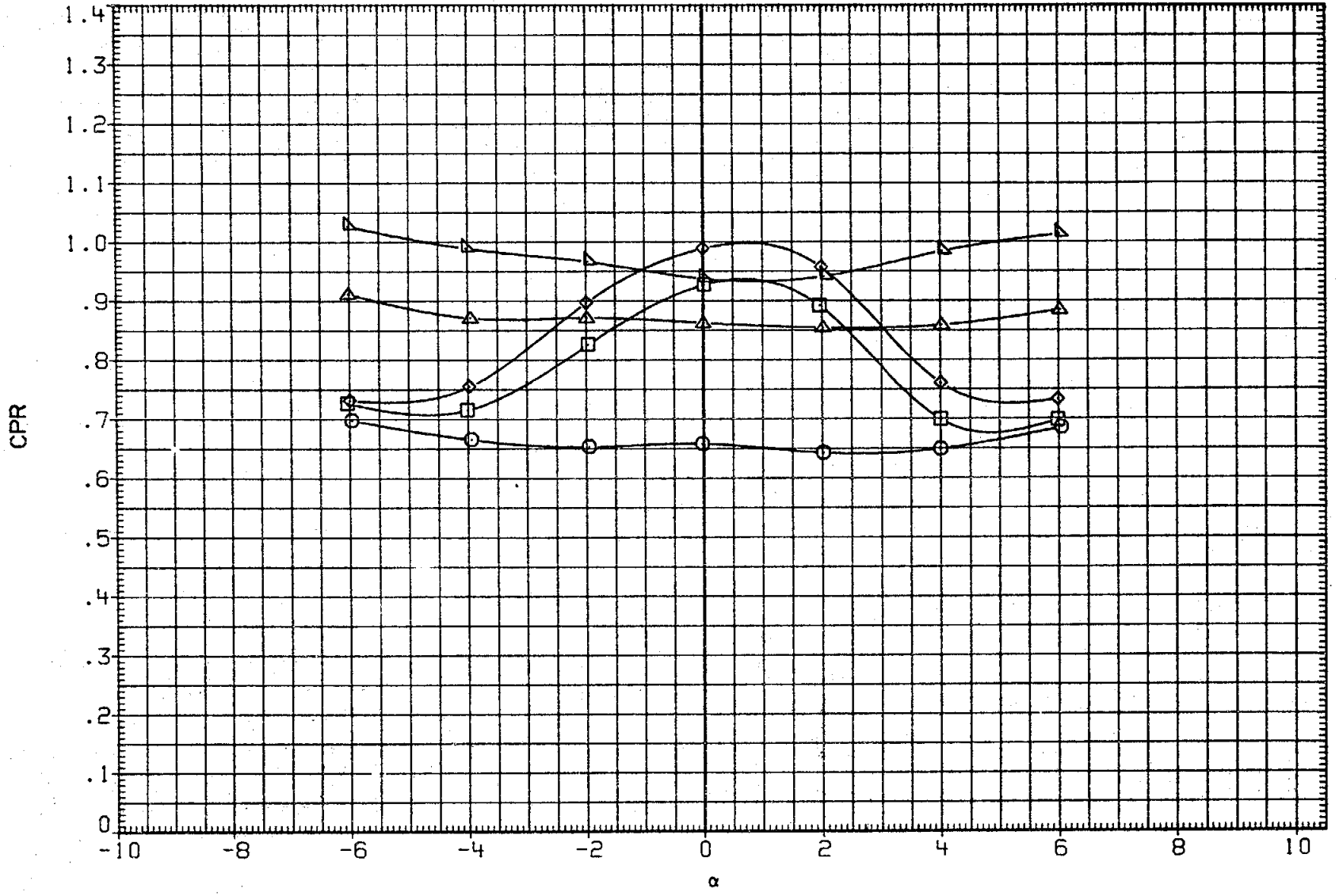

FIG. 7 CPR CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

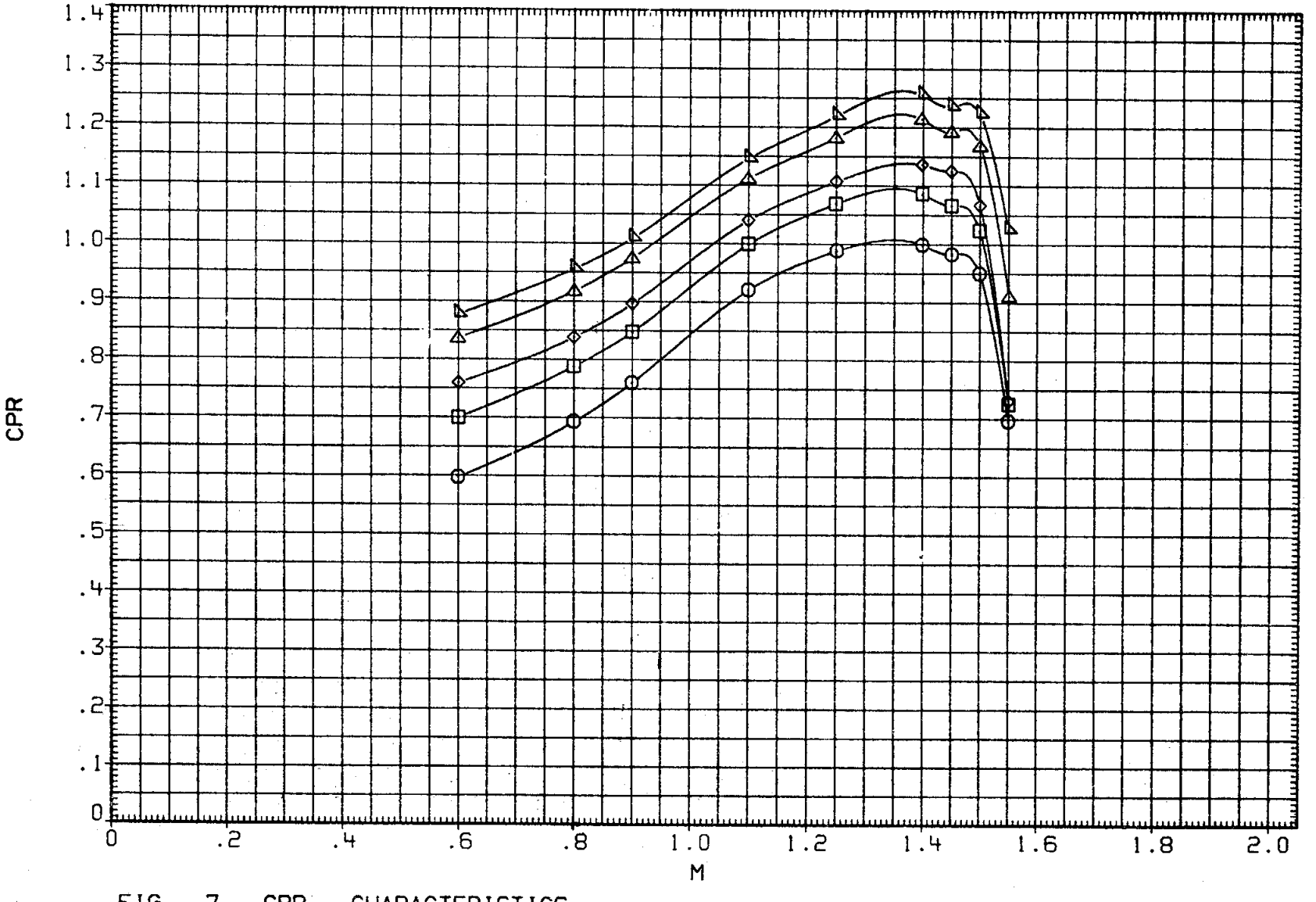

FIG. 7 CPR CHARACTERISTICS

(A) ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

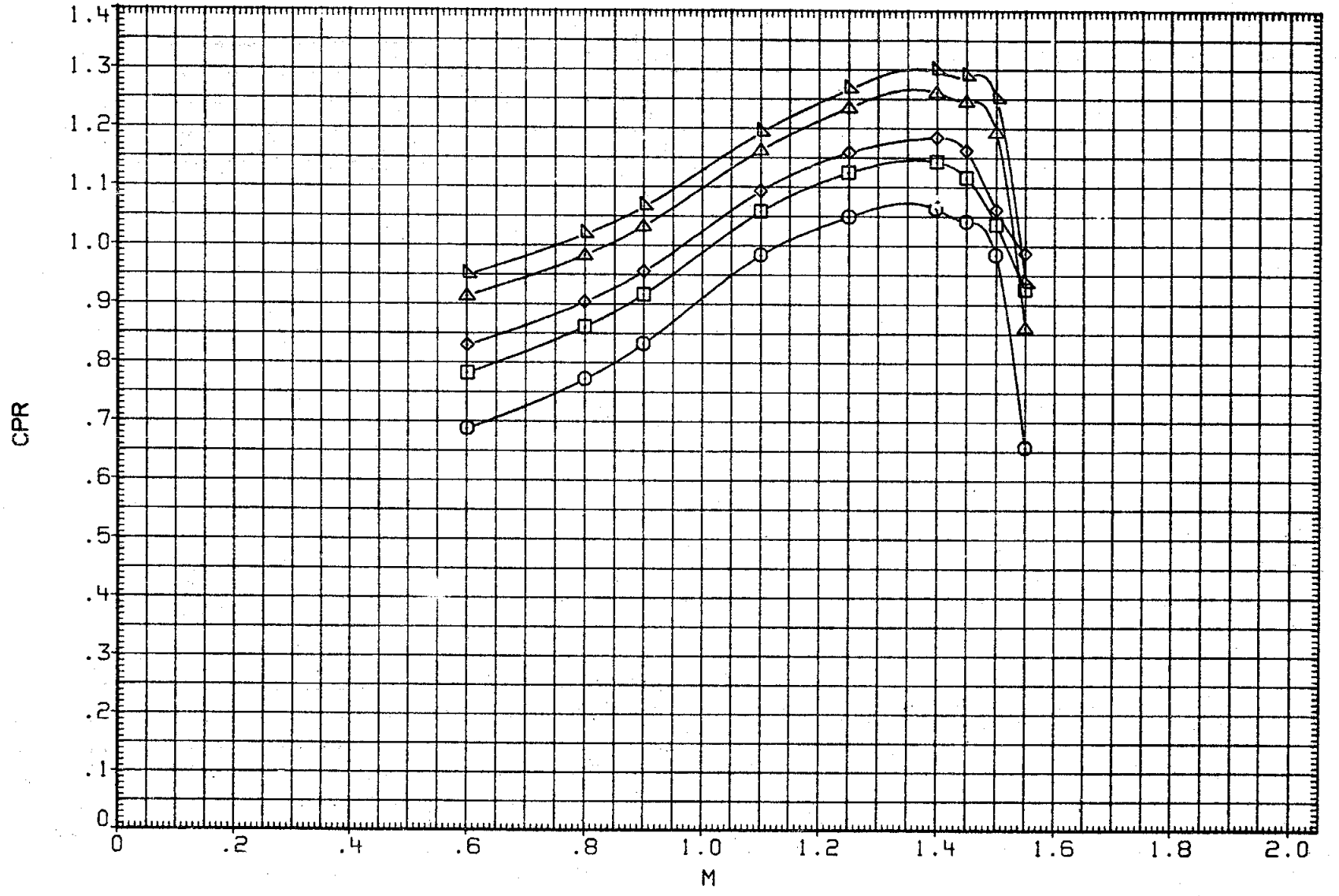

FIG. 7 CPR CHARACTERISTICS

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

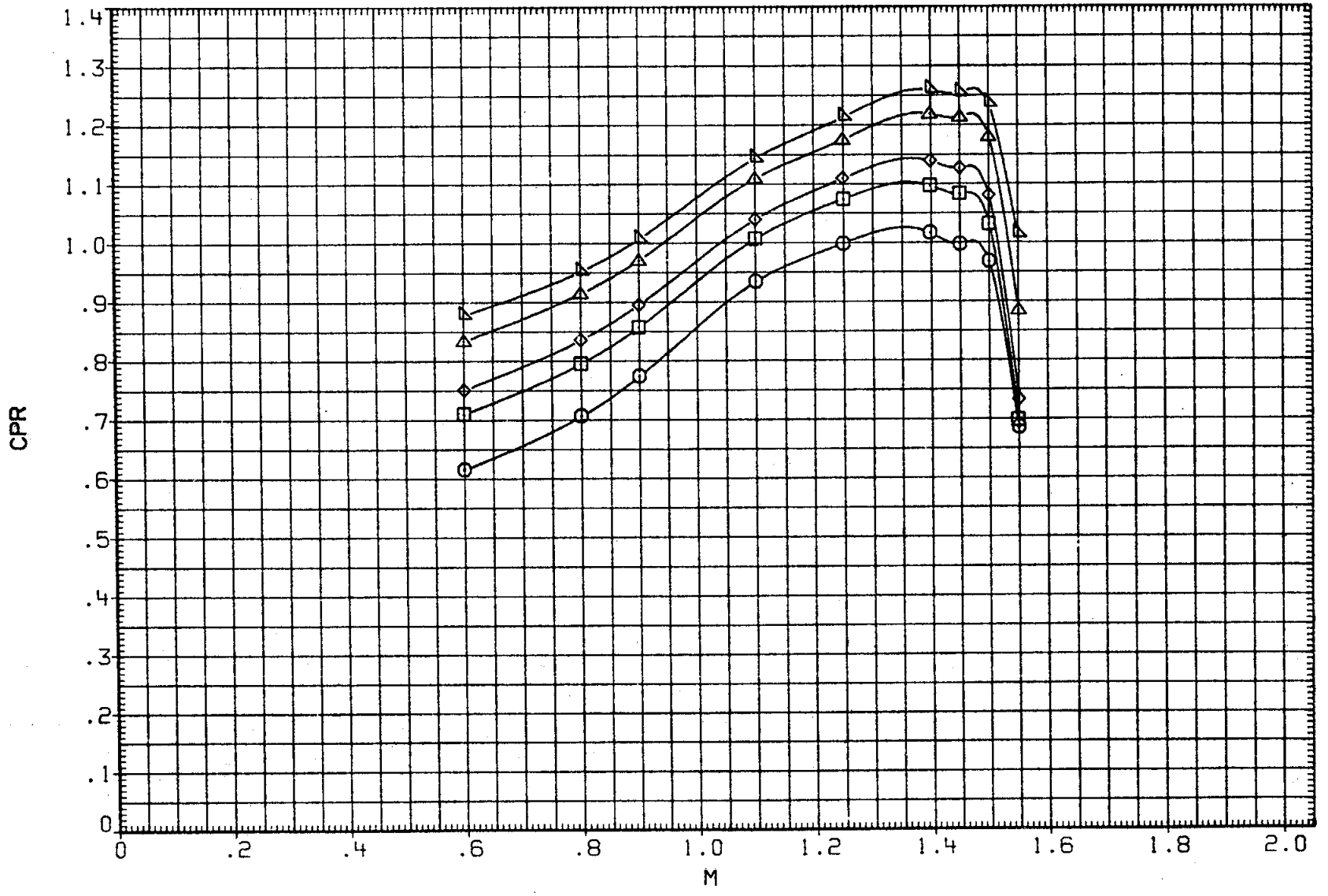

FIG. 7 CPR CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

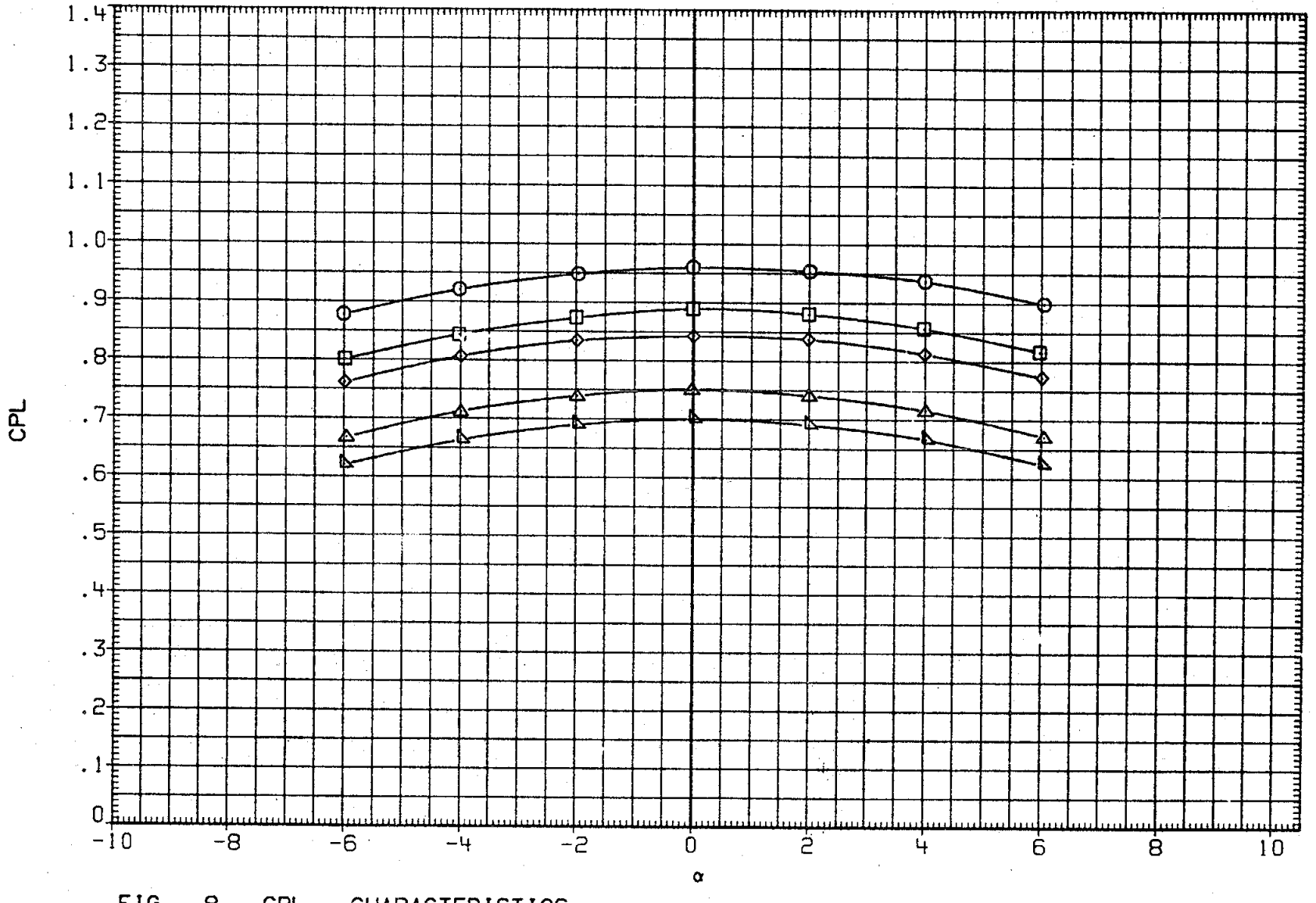

FIG. 8 CPL CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

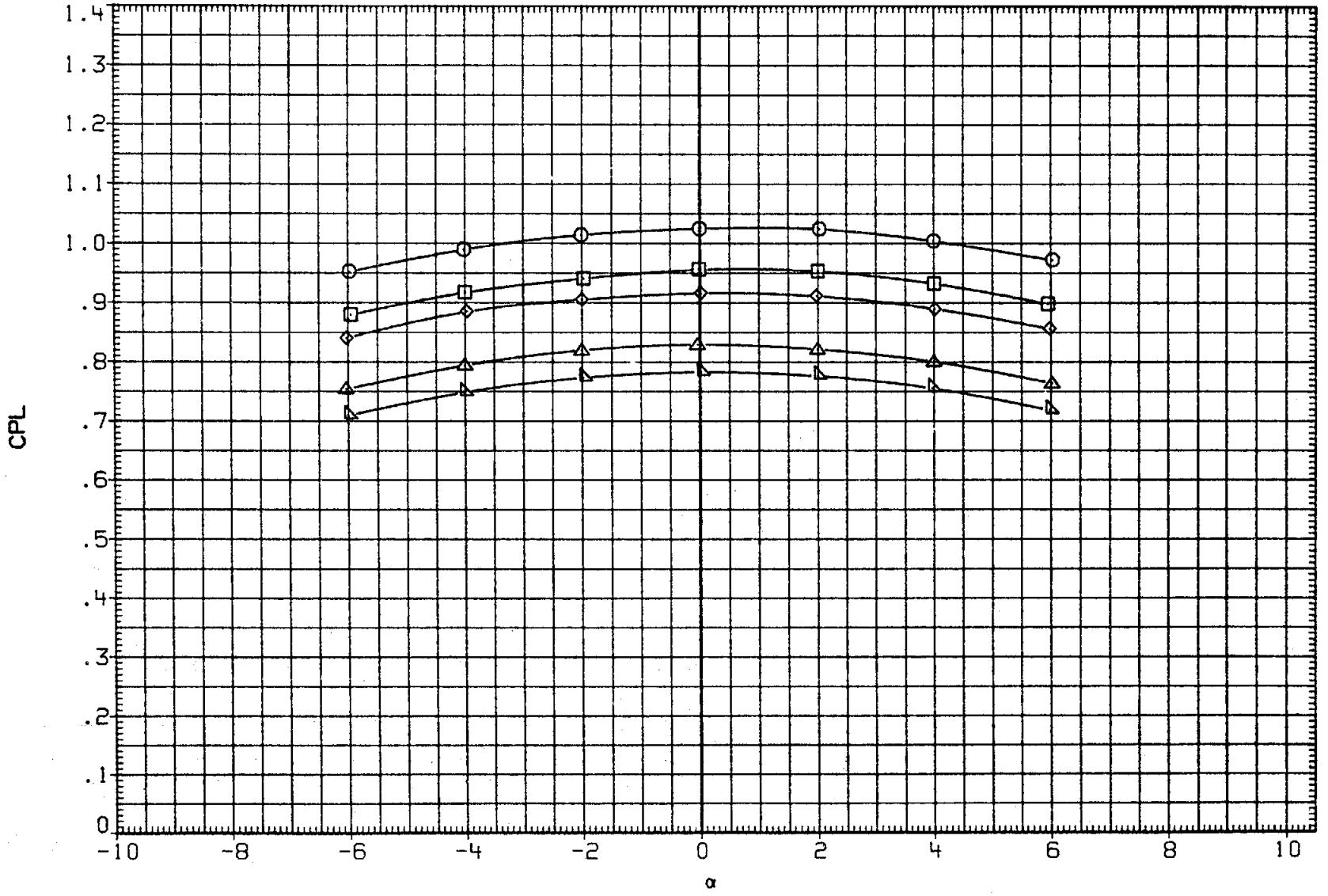

FIG. 8 CPL CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

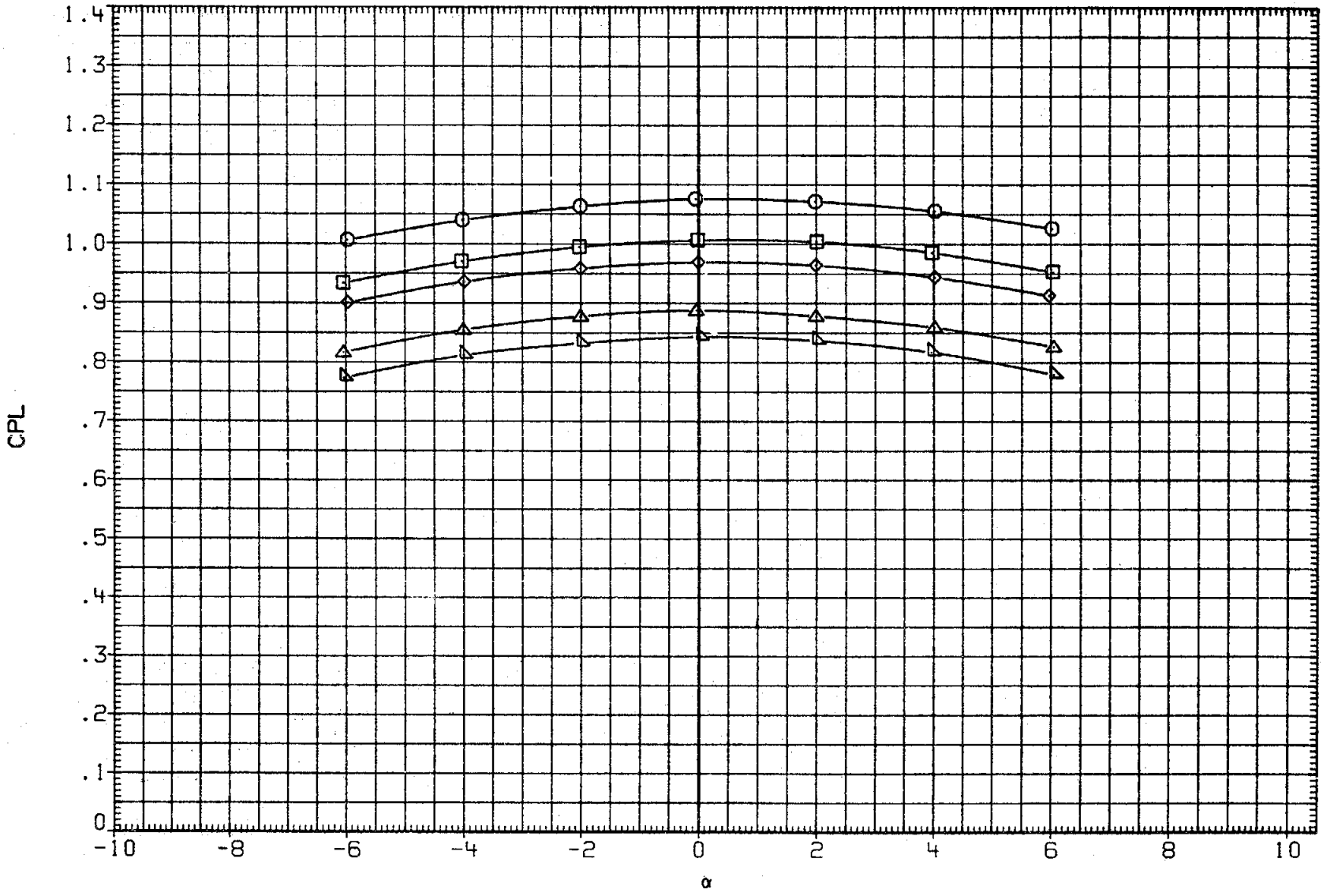

FIG. 8 CPL CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

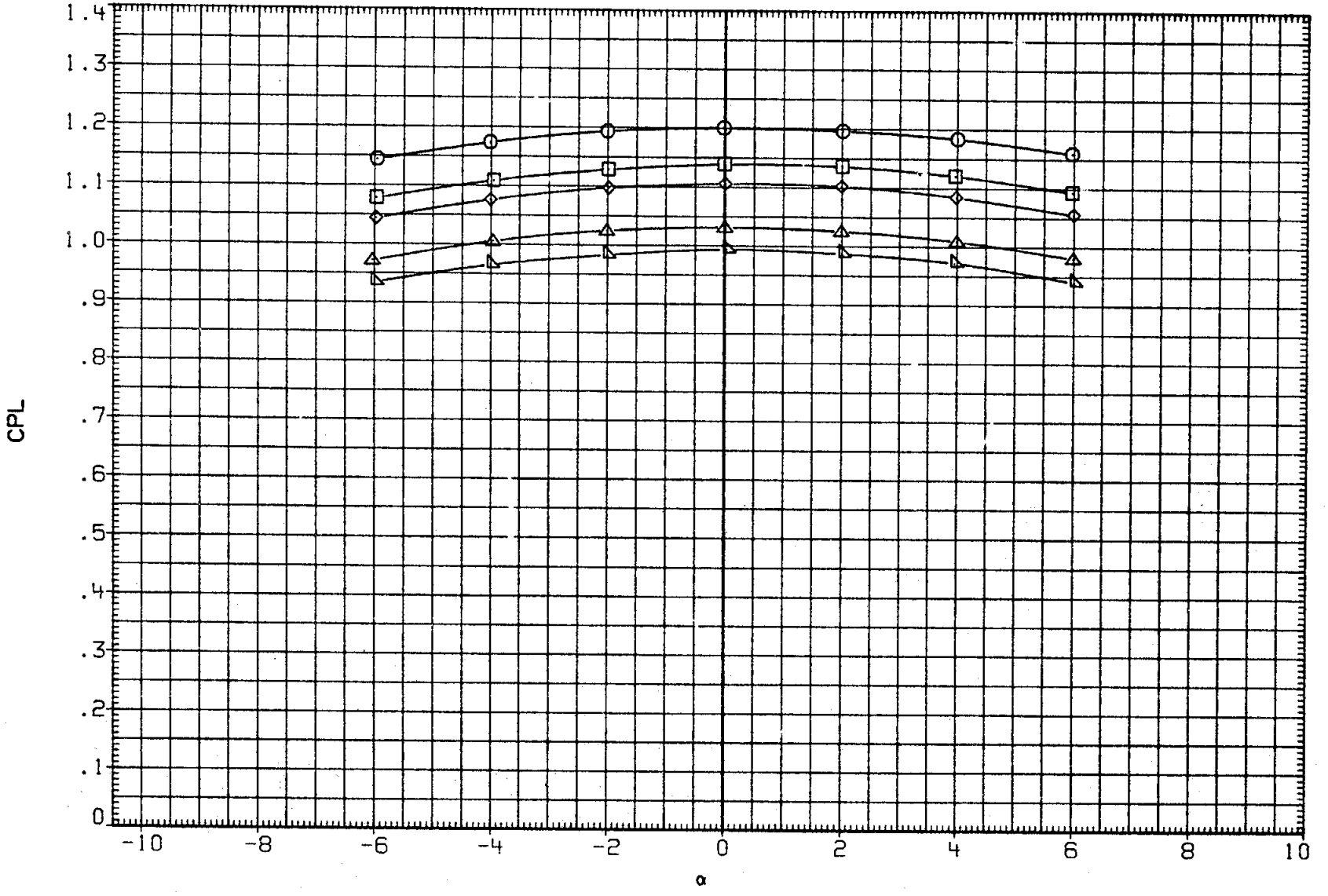

FIG. 8 CPL CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

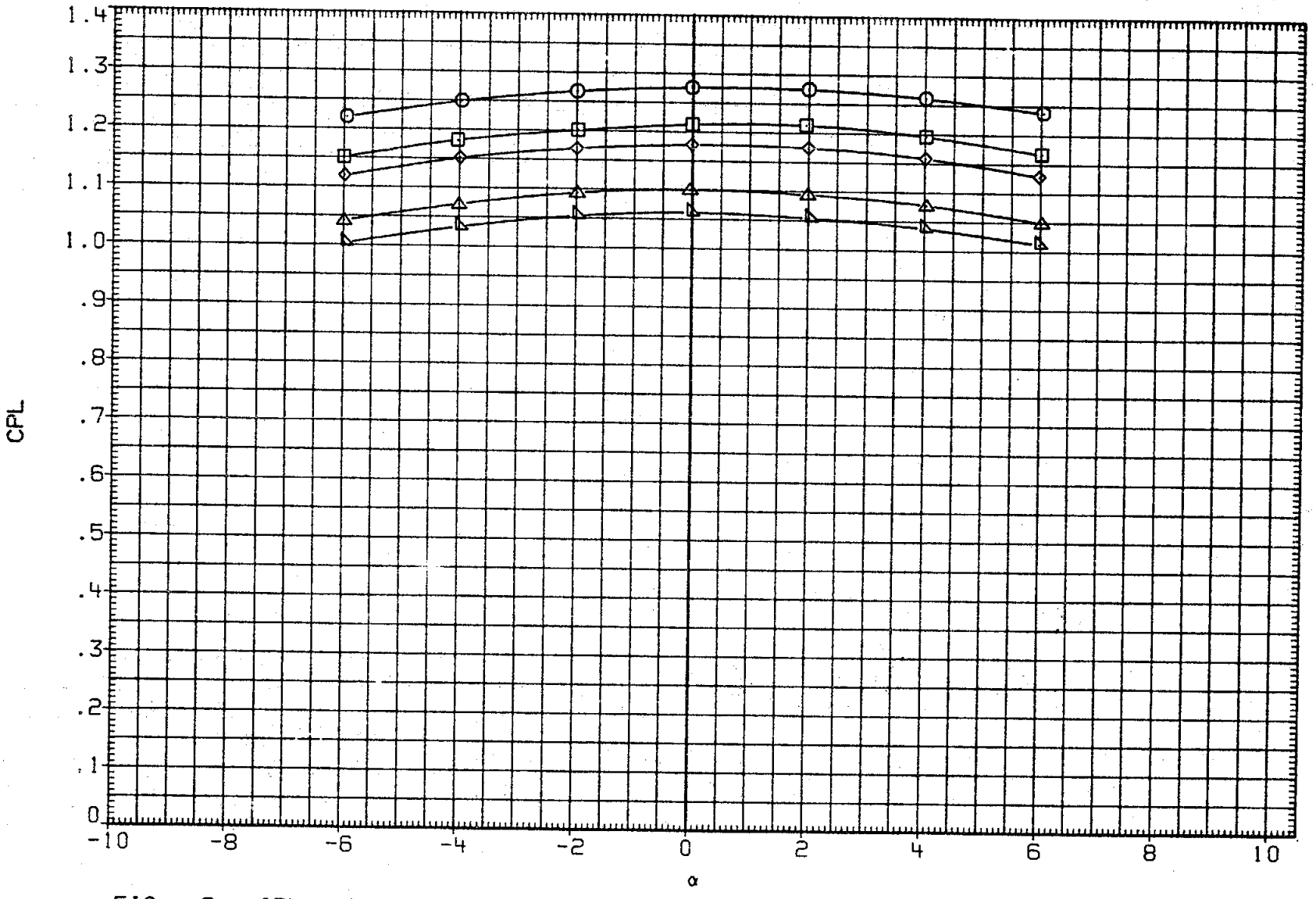

FIG. 8 CPL CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

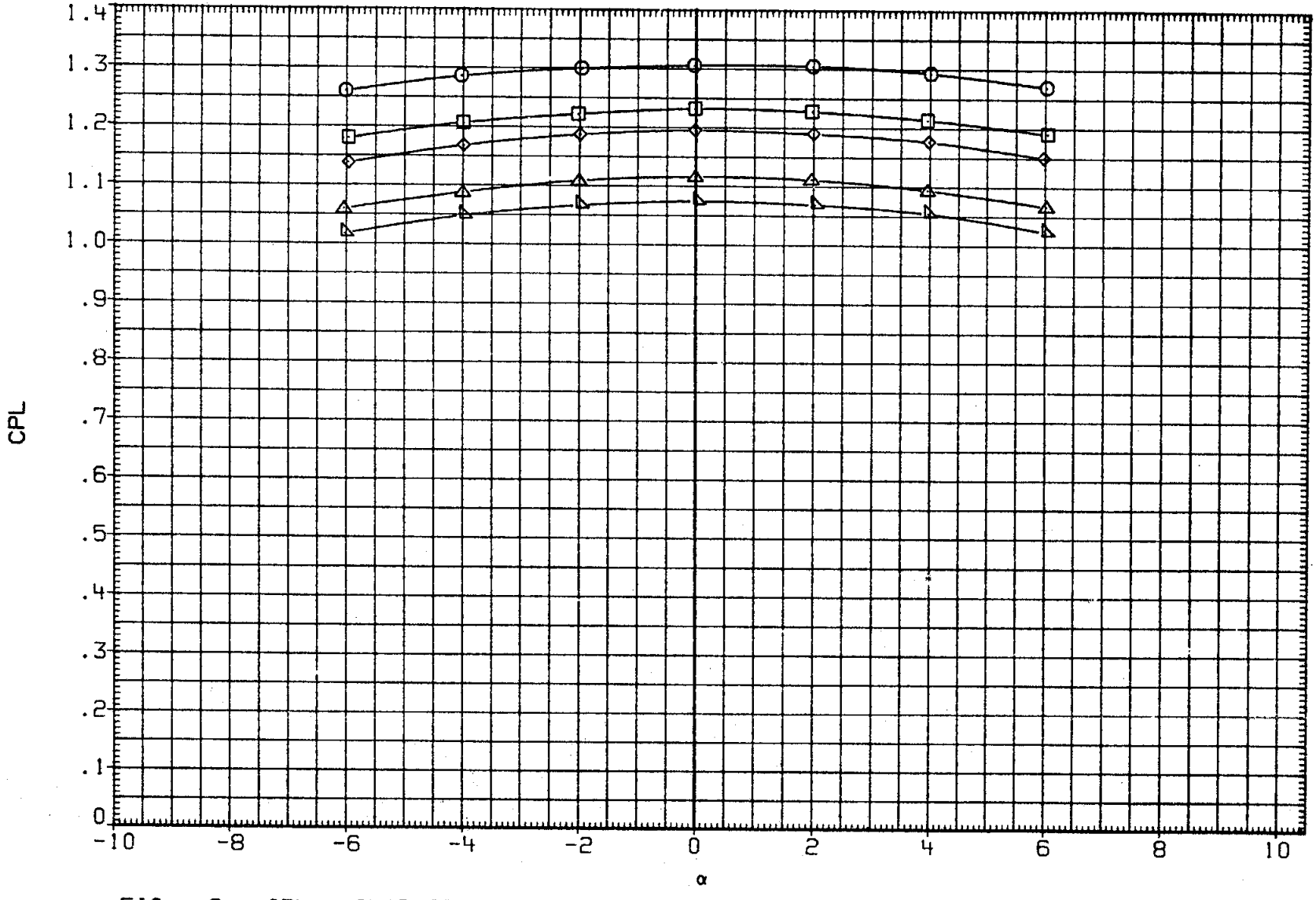

FIG. 8 CPL CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

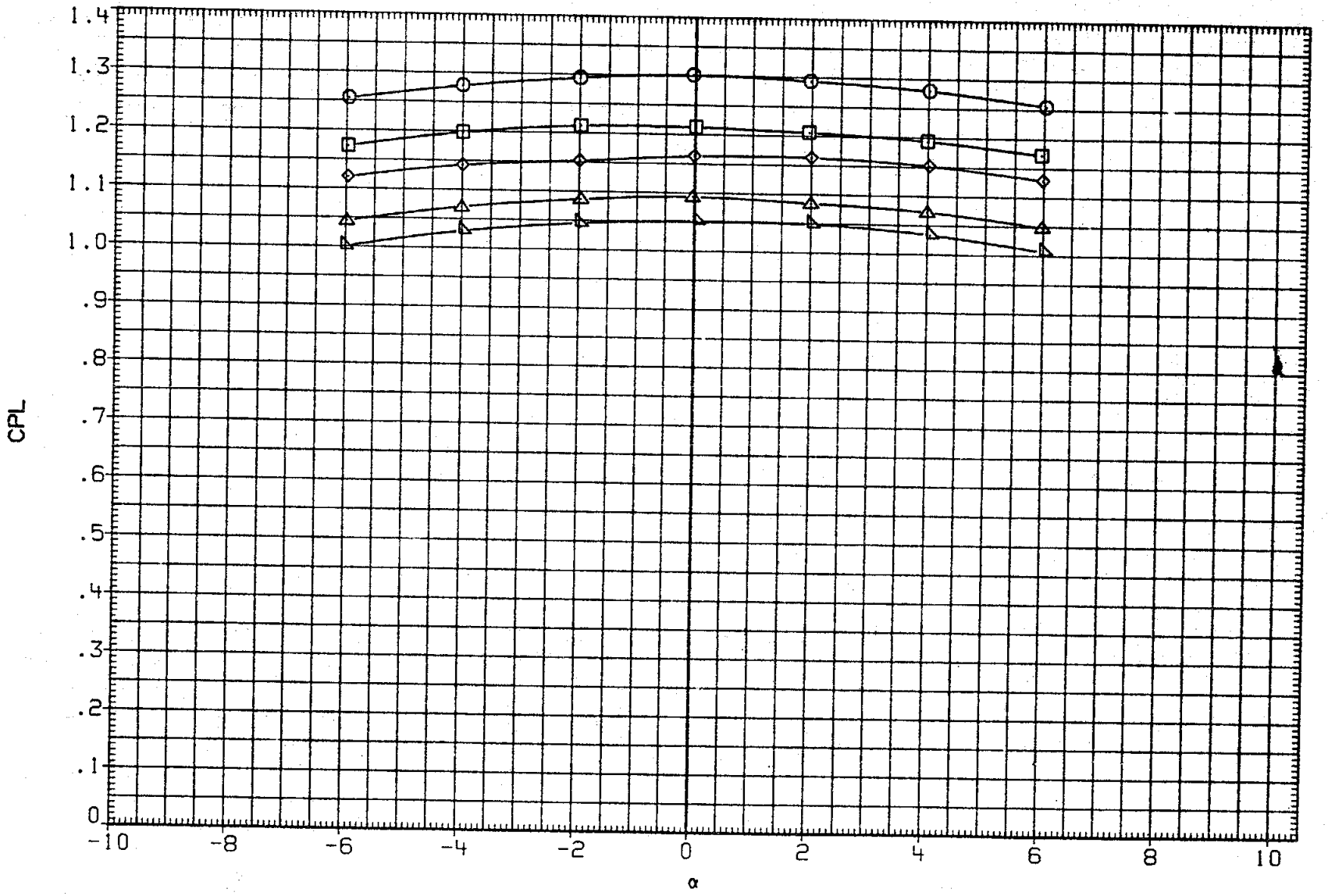

FIG. 8 CPL CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

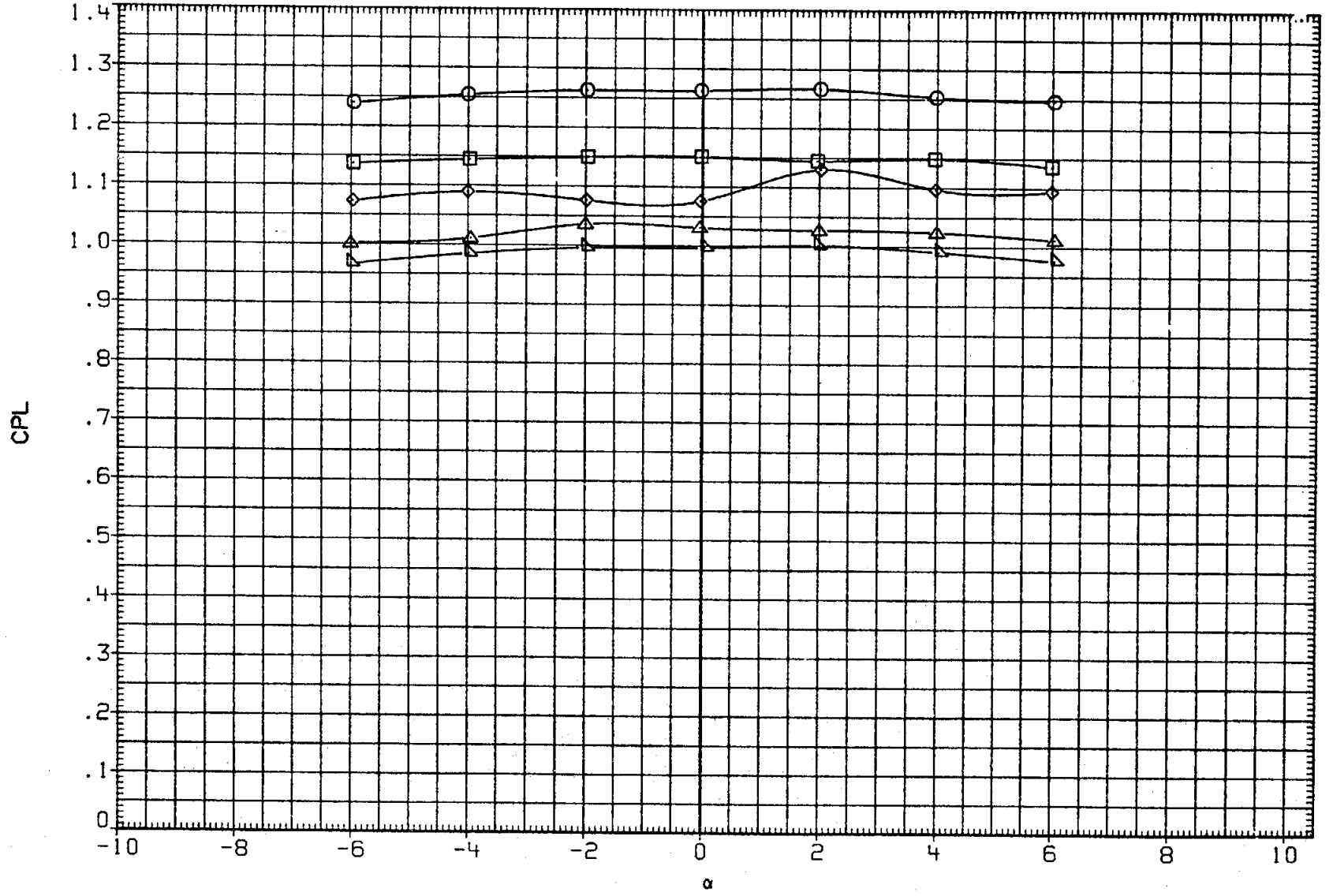

FIG. 8 CPL CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

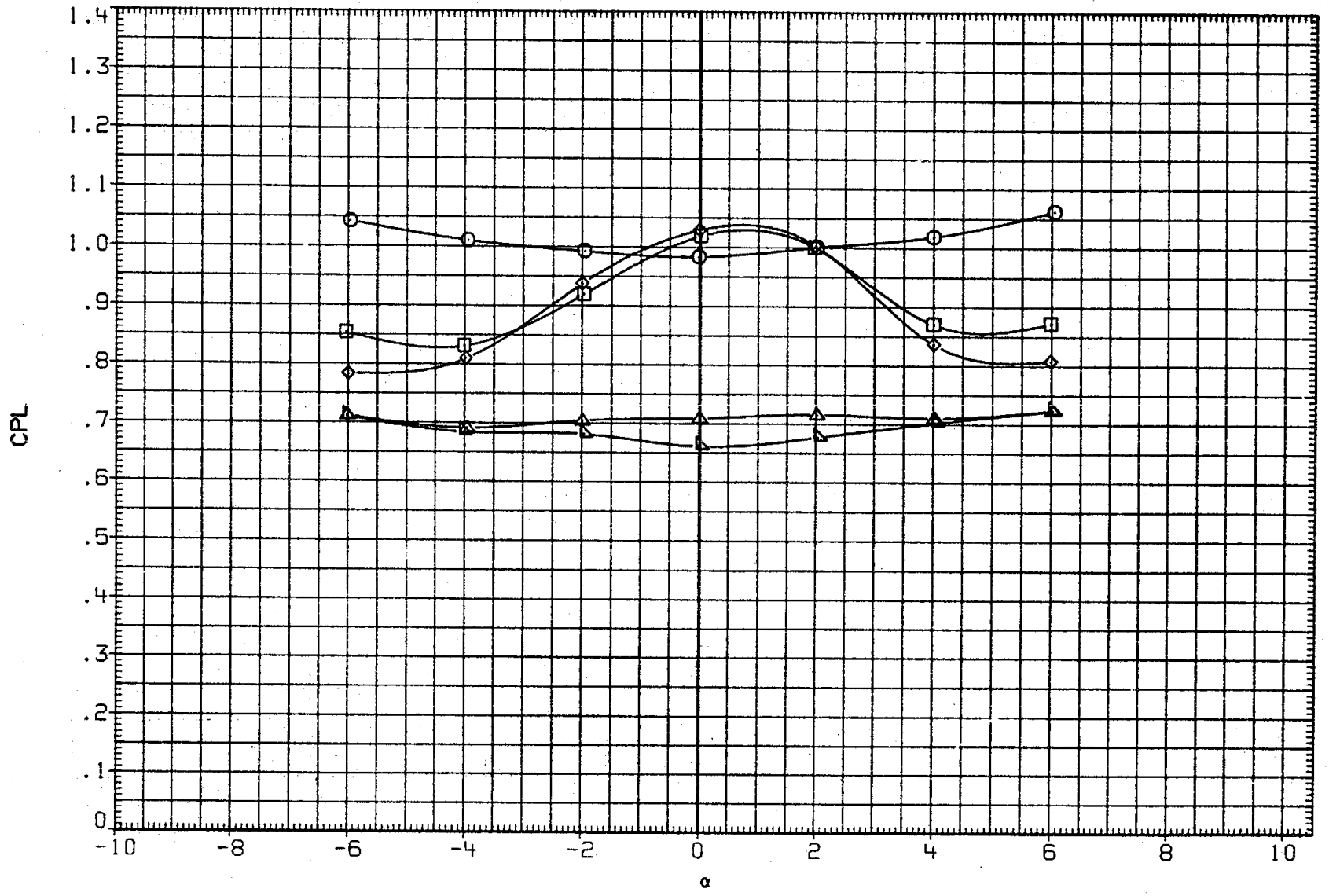

FIG. 8 CPL CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

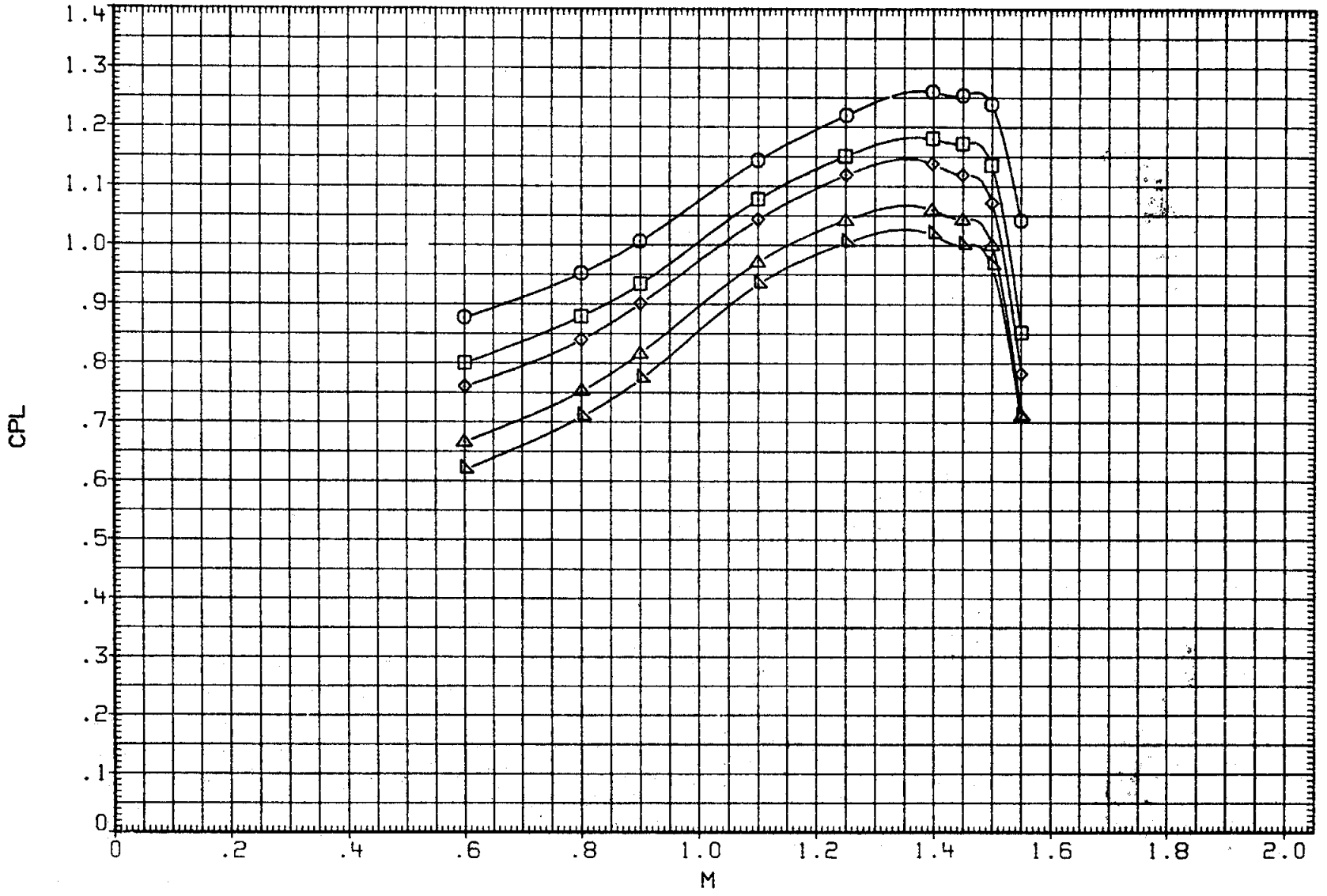

FIG. 8 CPL CHARACTERISTICS

(A)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

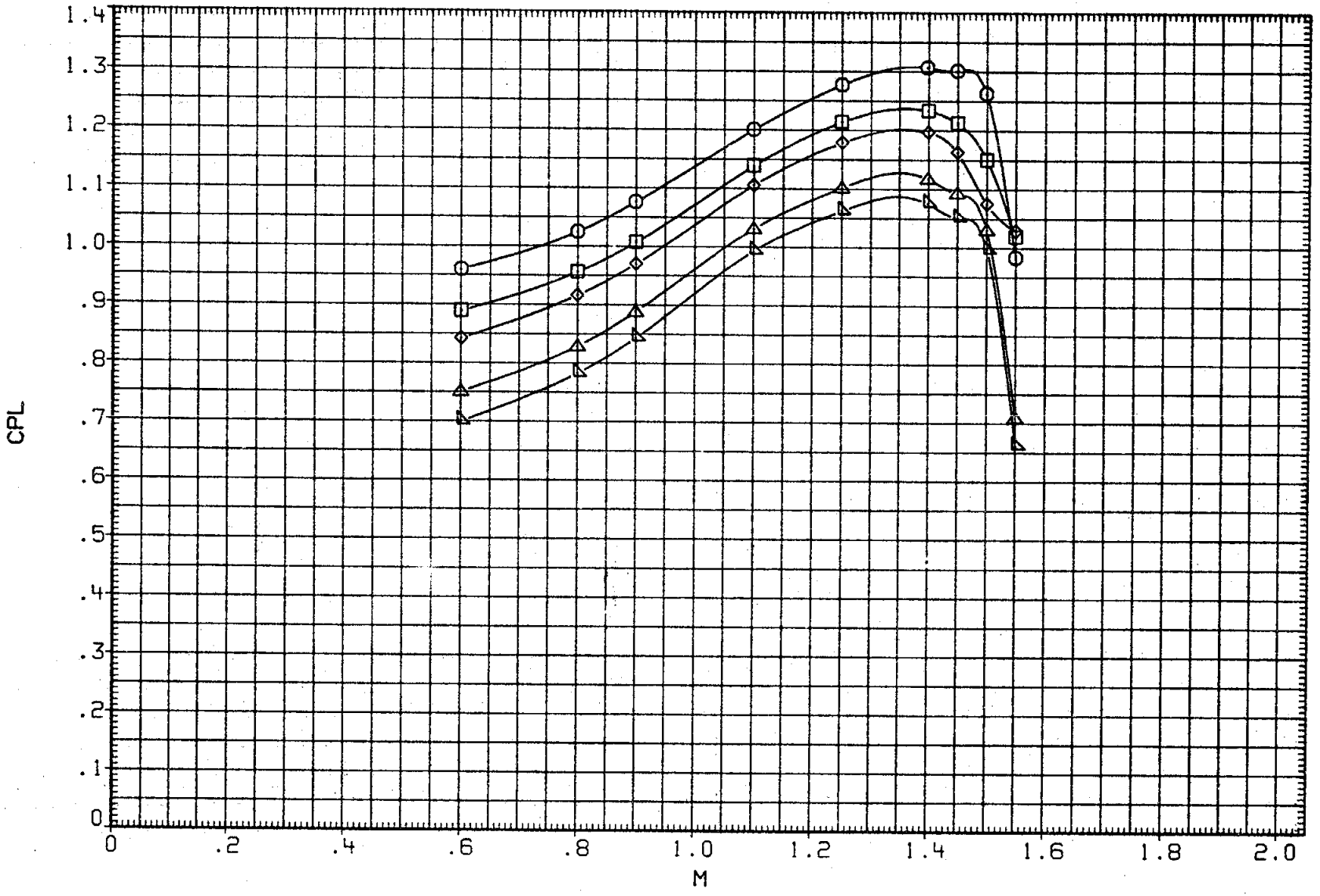

FIG. 8 CPL CHARACTERISTICS

(B) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

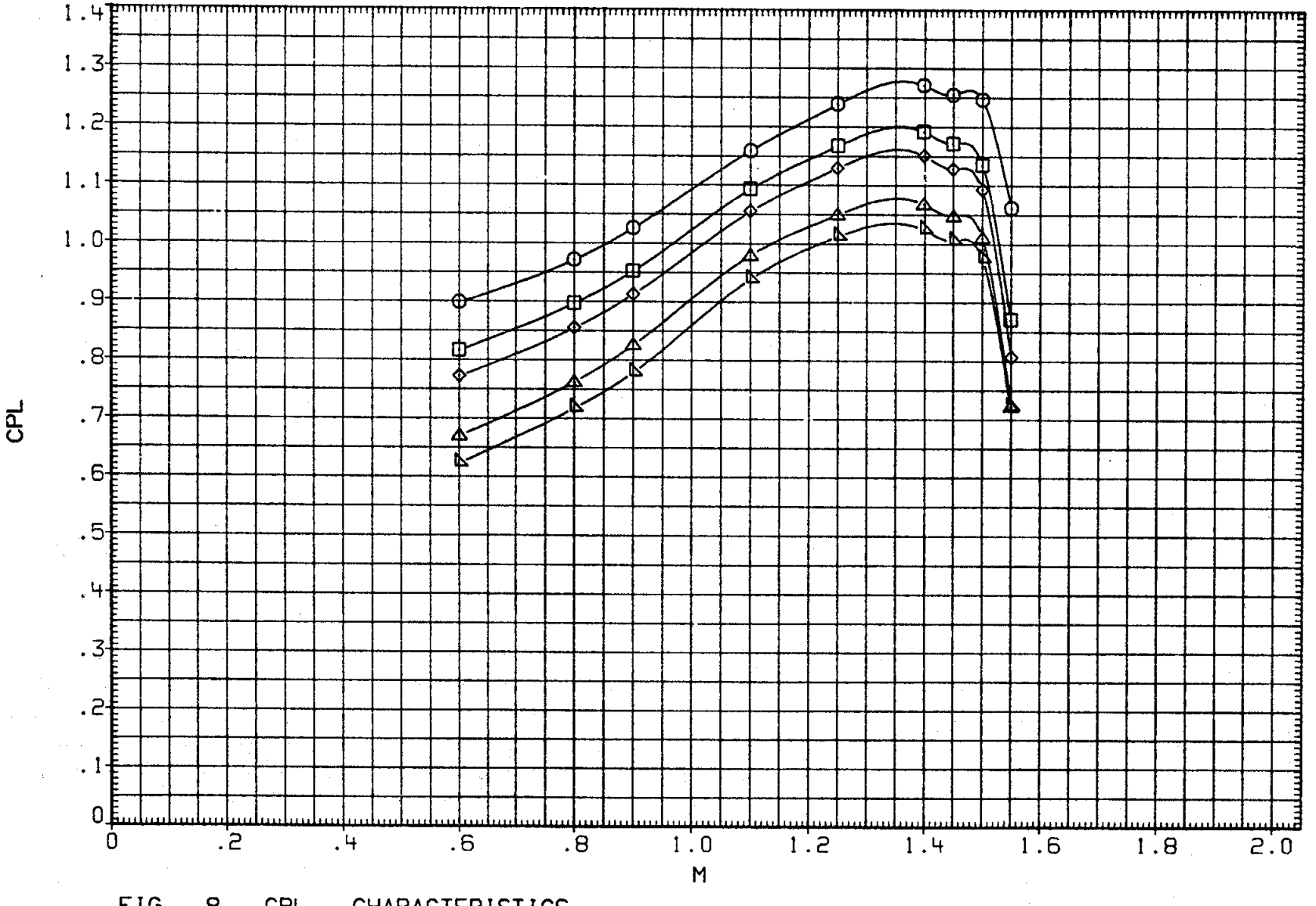

FIG. 8 CPL CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

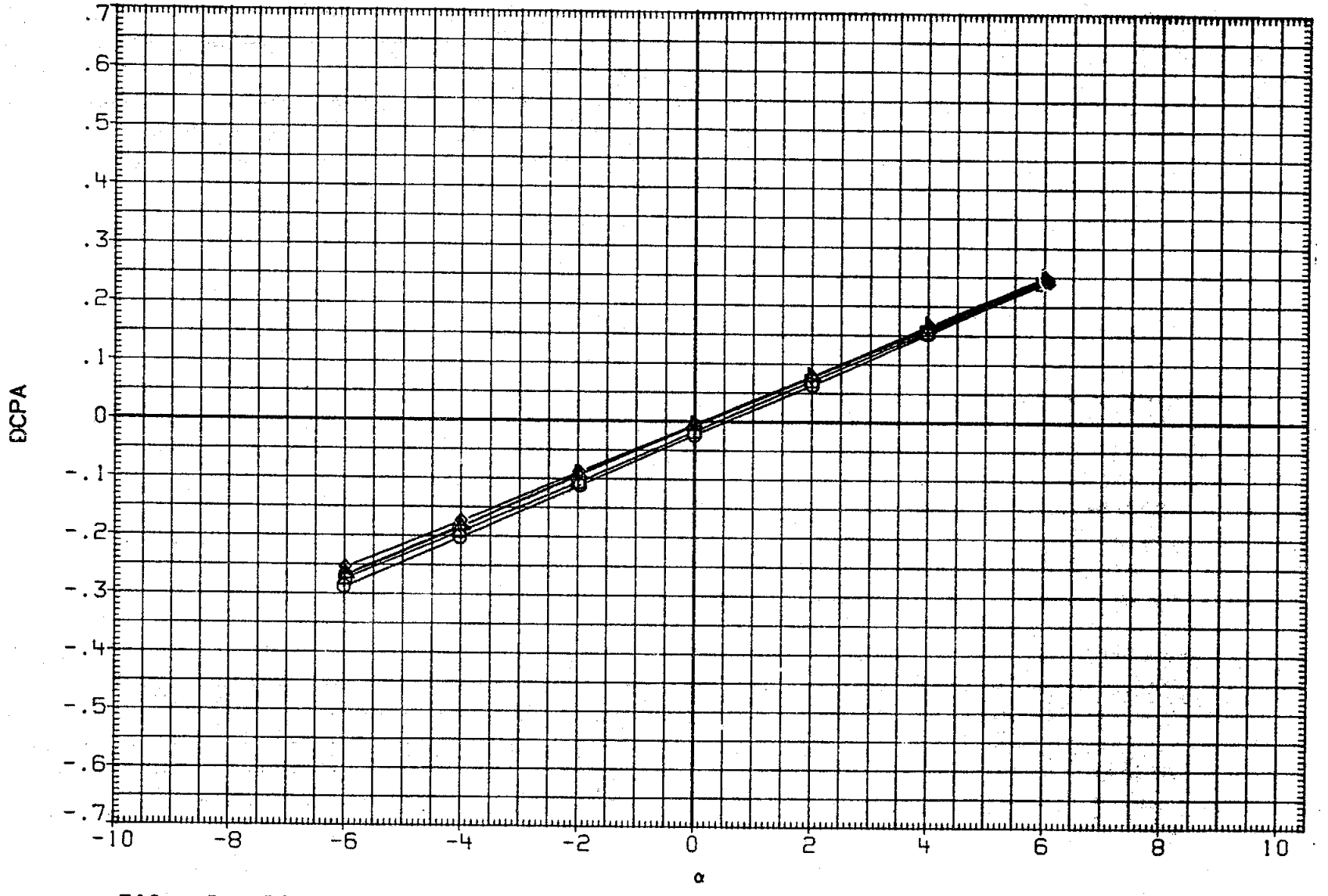

FIG. 9 DCPA CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

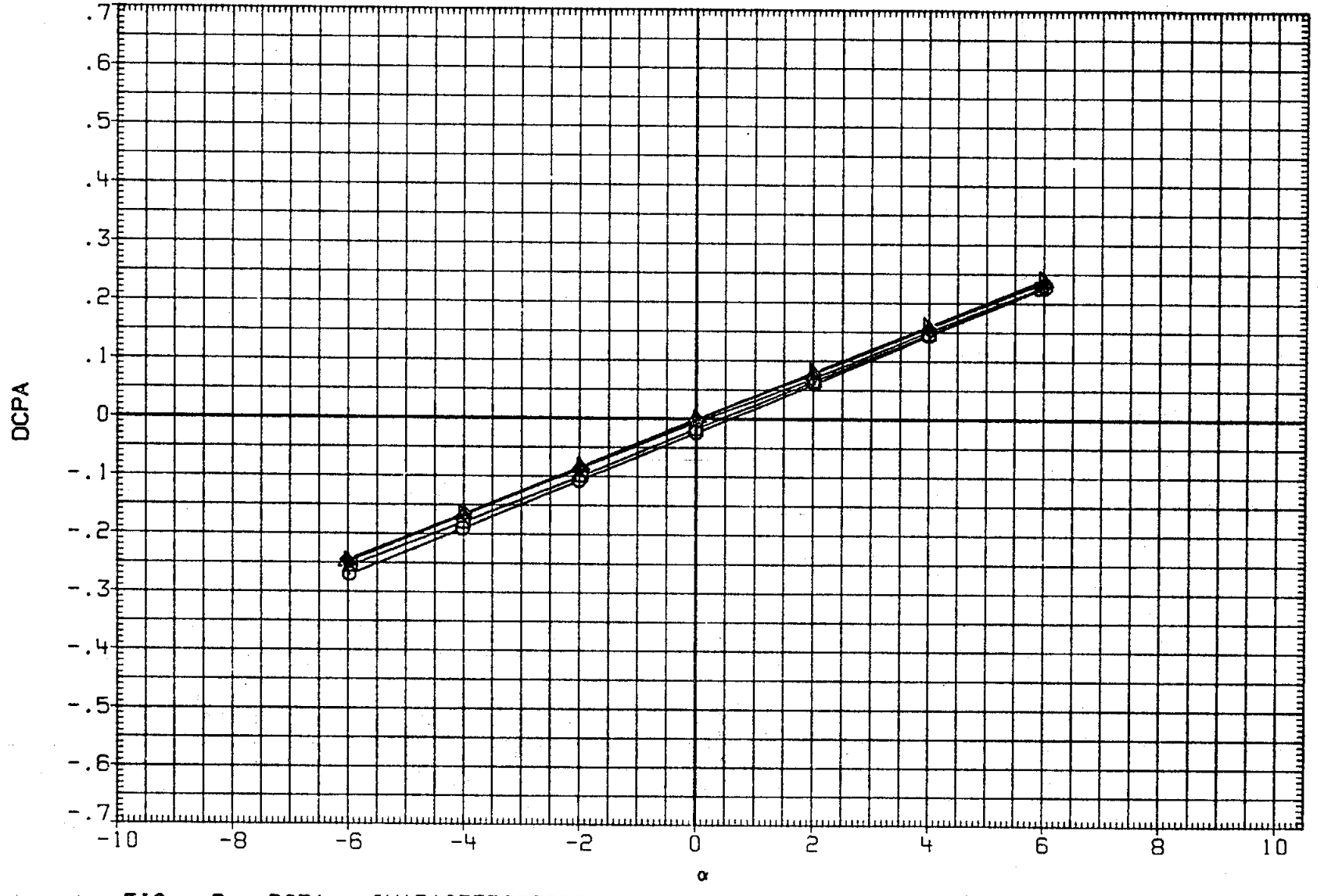

FIG. 9 DCPA CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

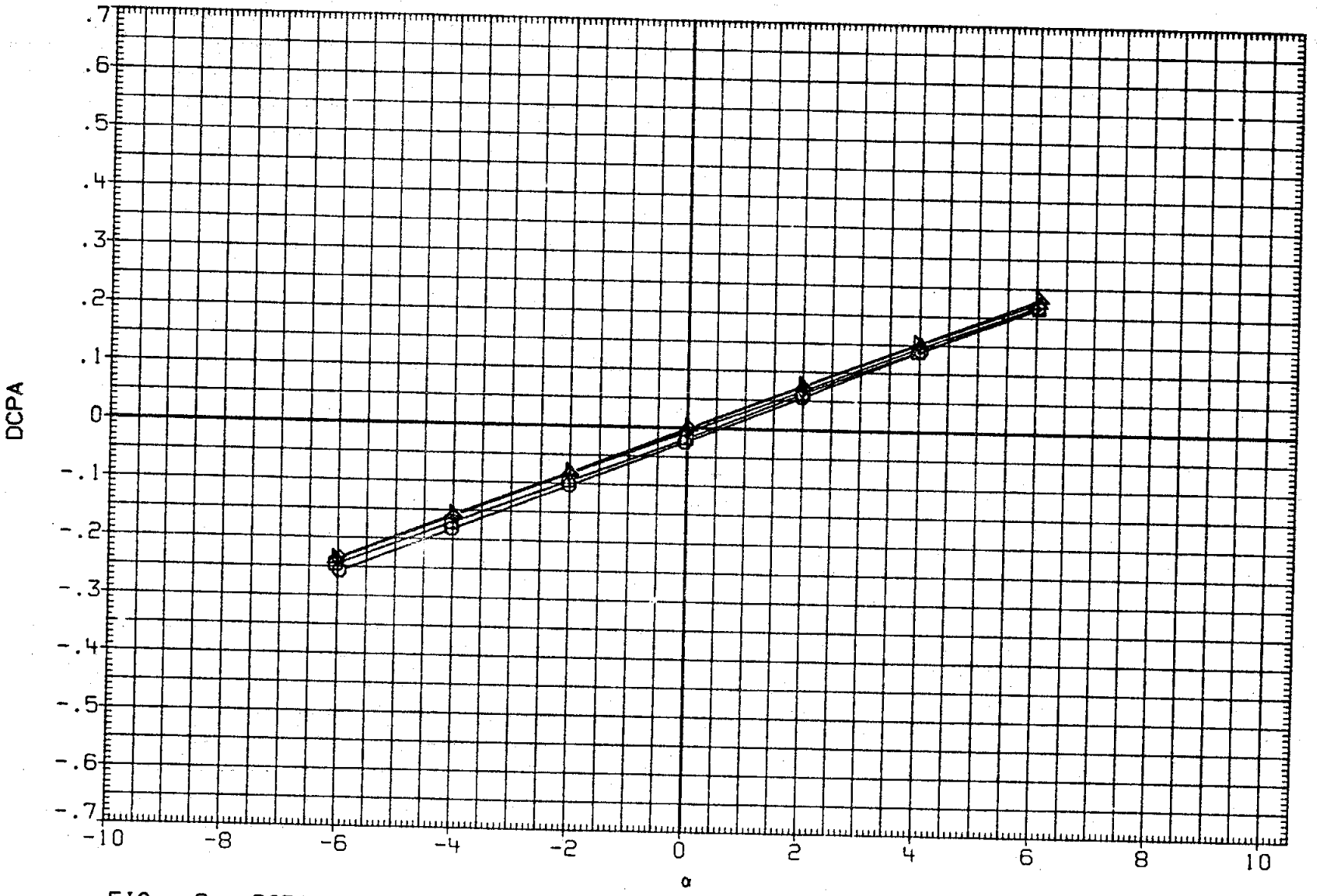

FIG. 9 DCPA CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

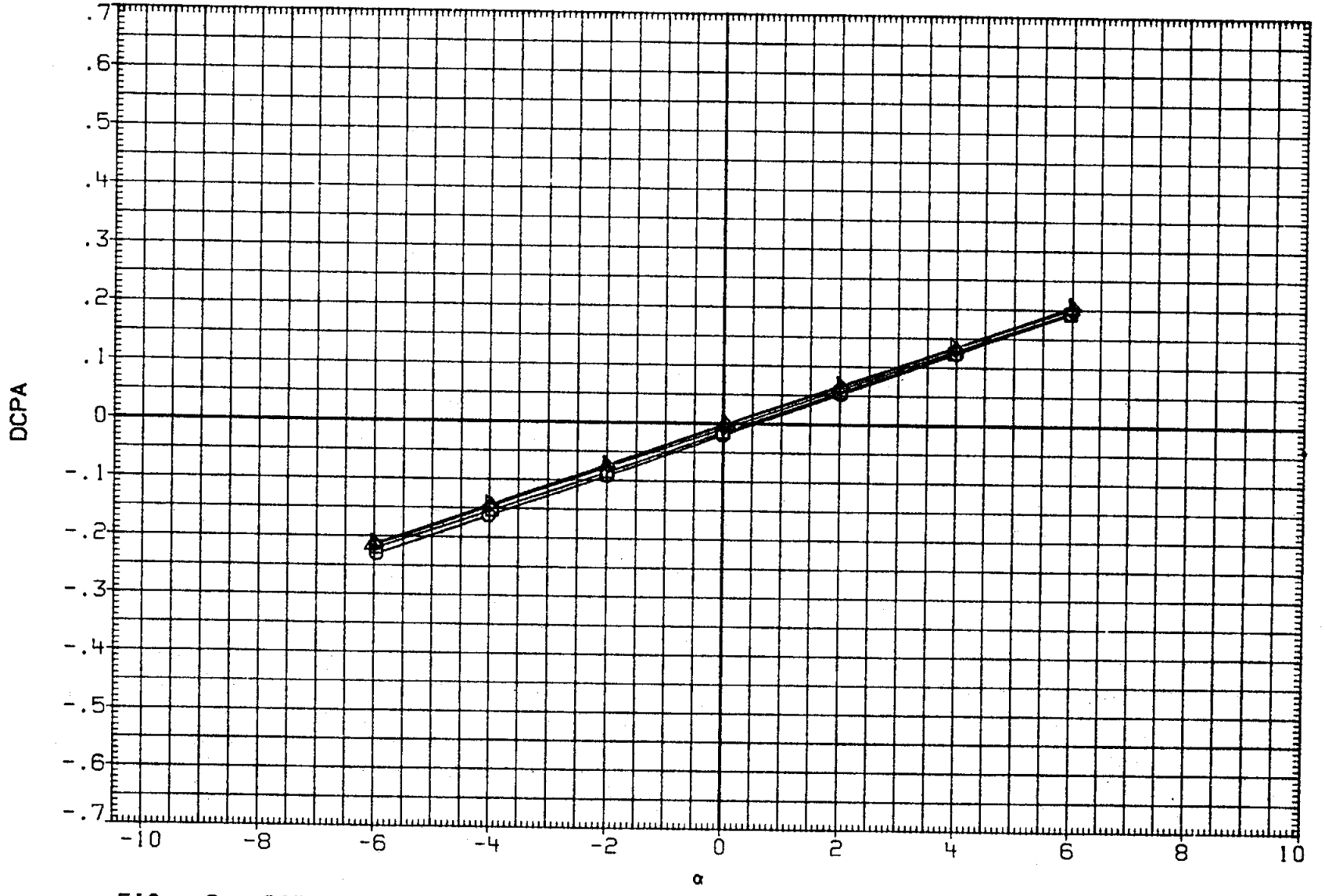

FIG. 9 DCPA CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

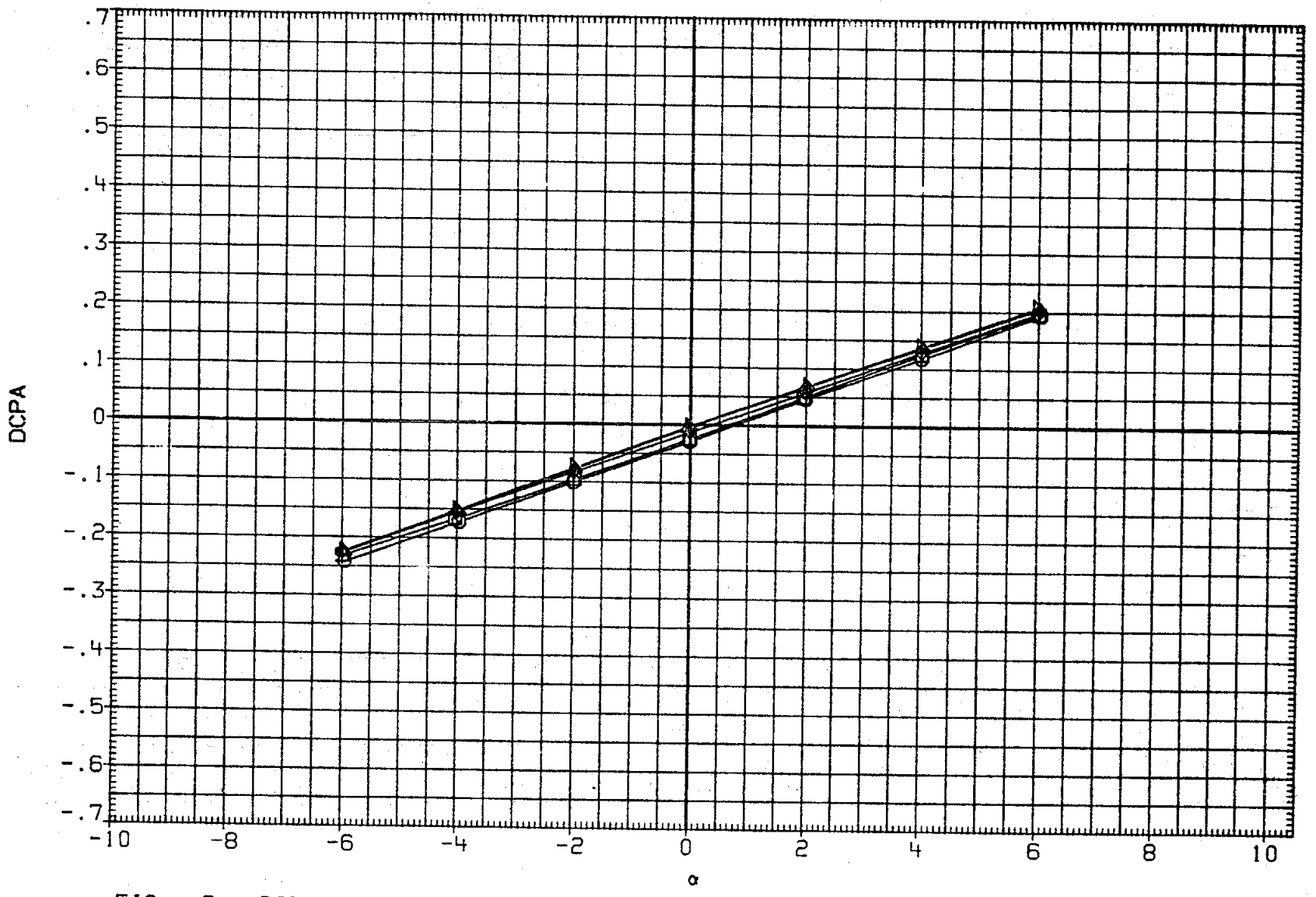

FIG. 9 DCPA CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

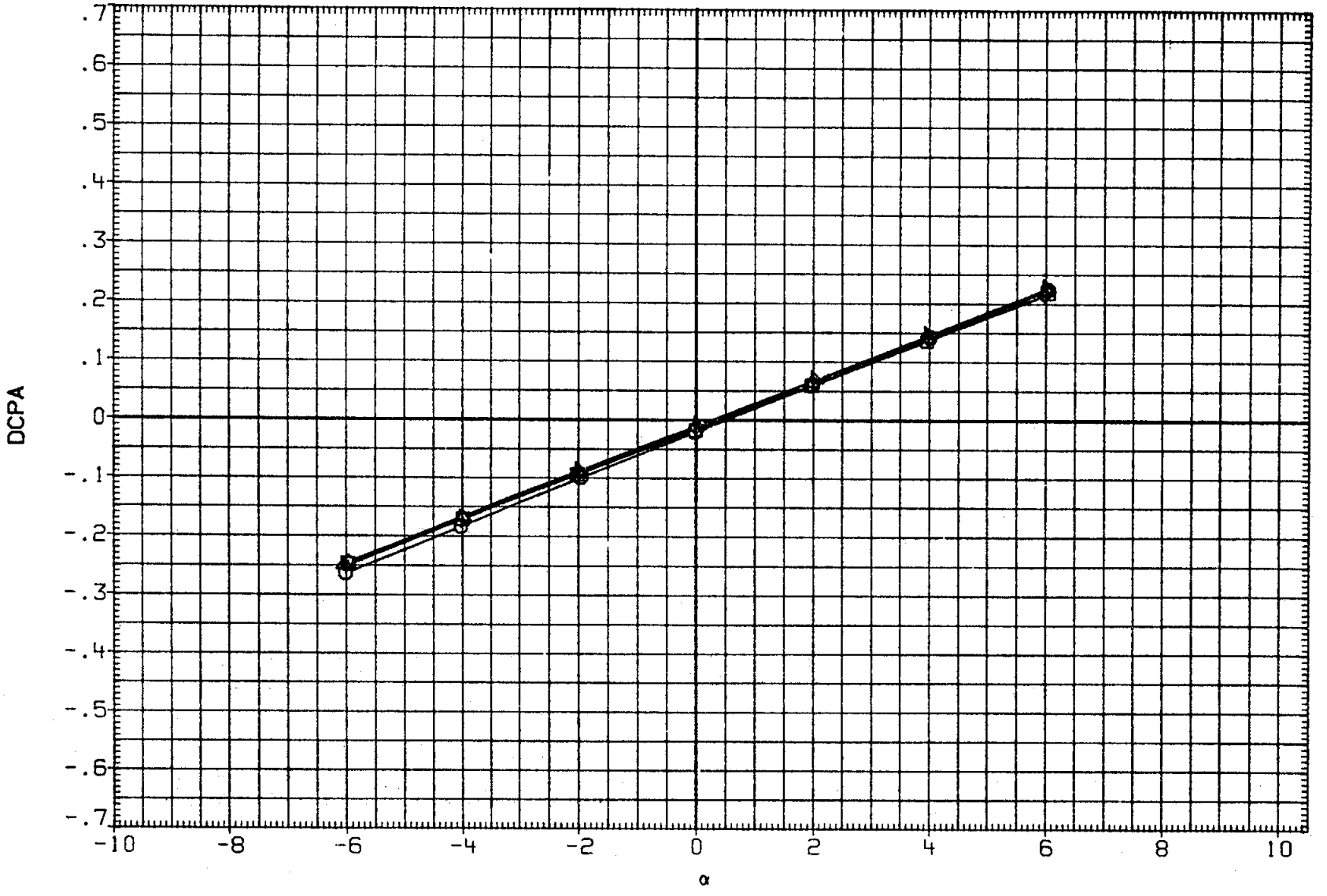

FIG. 9 DCPA CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

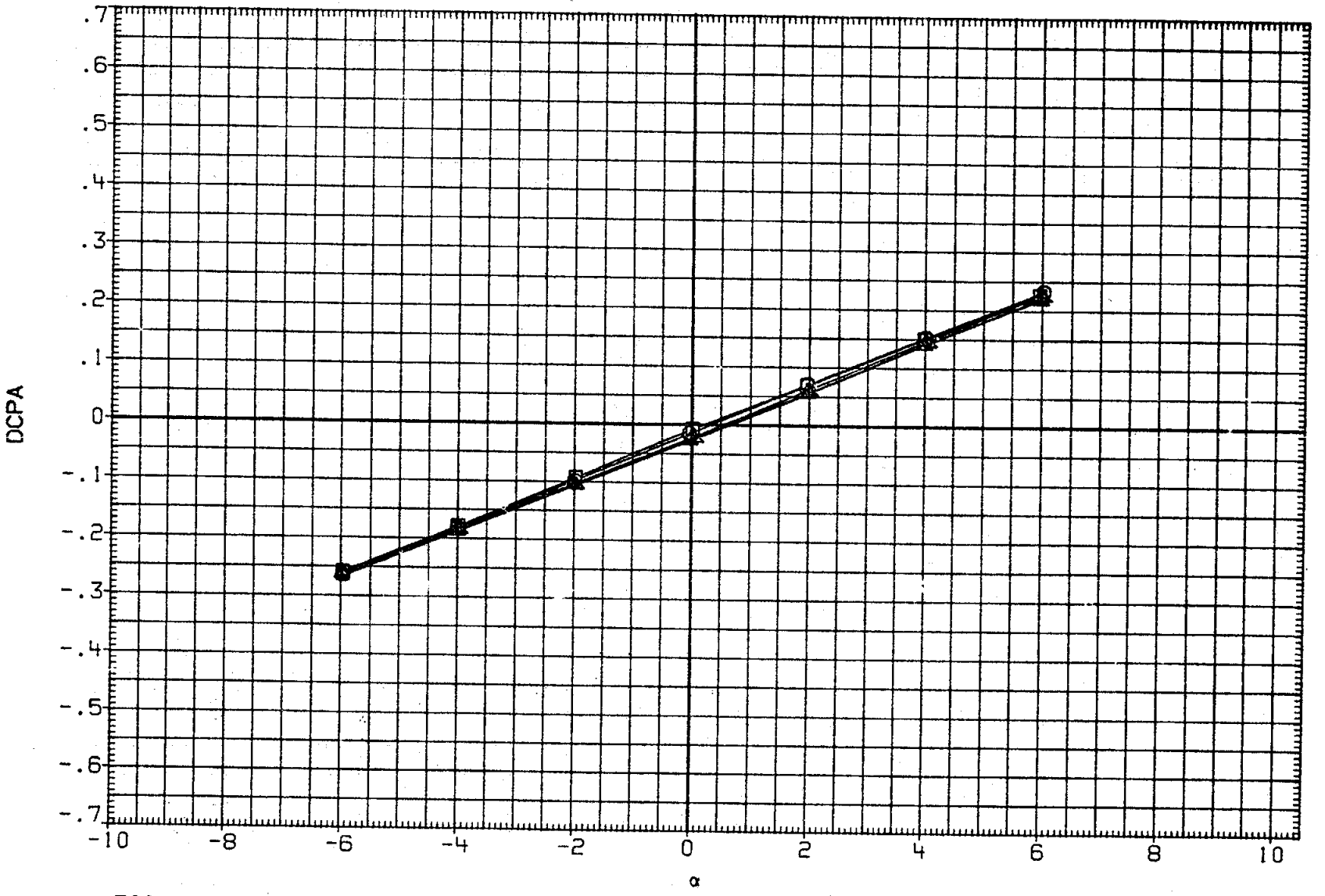

FIG. 9 DCPA CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

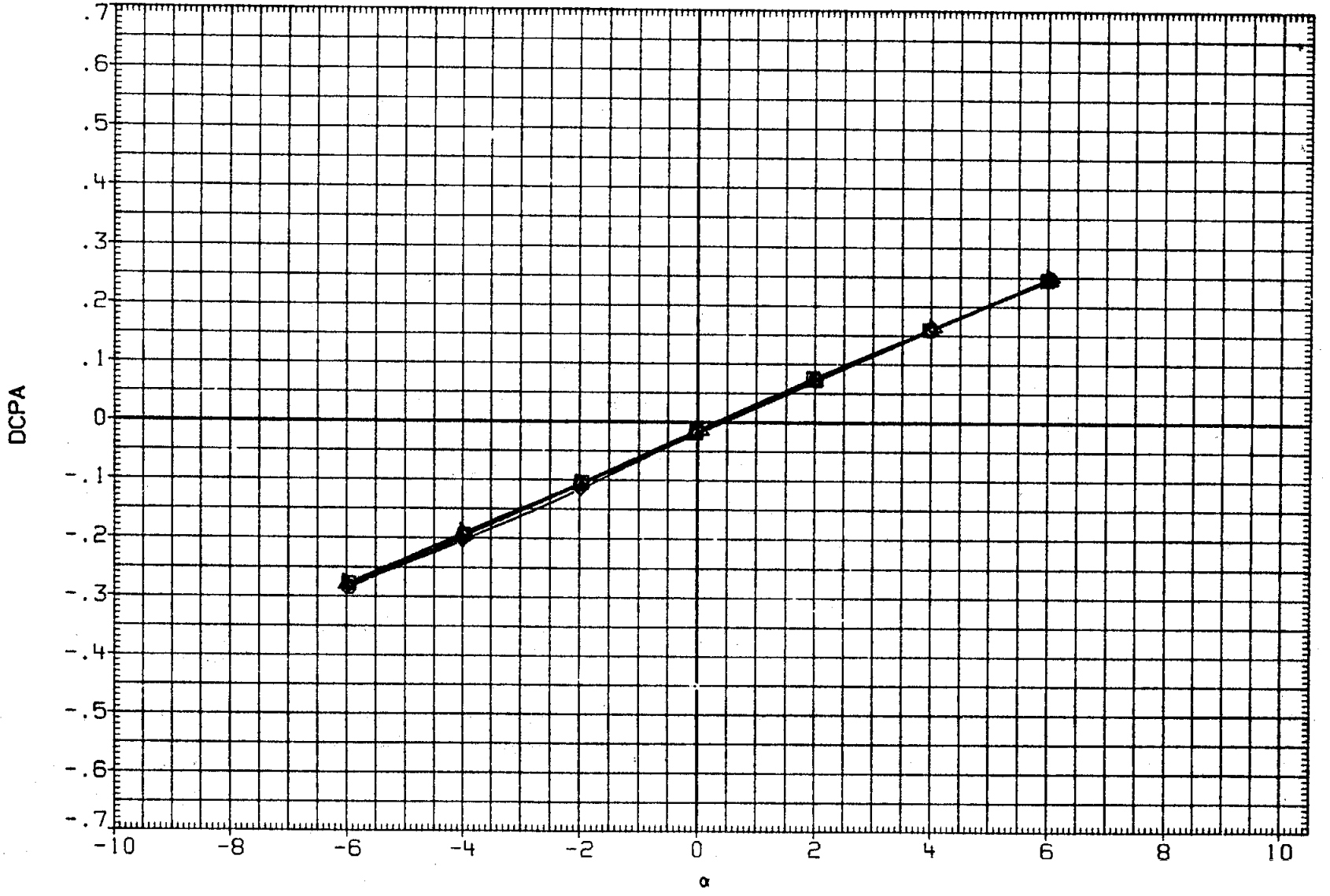

FIG. 9 DCPA CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

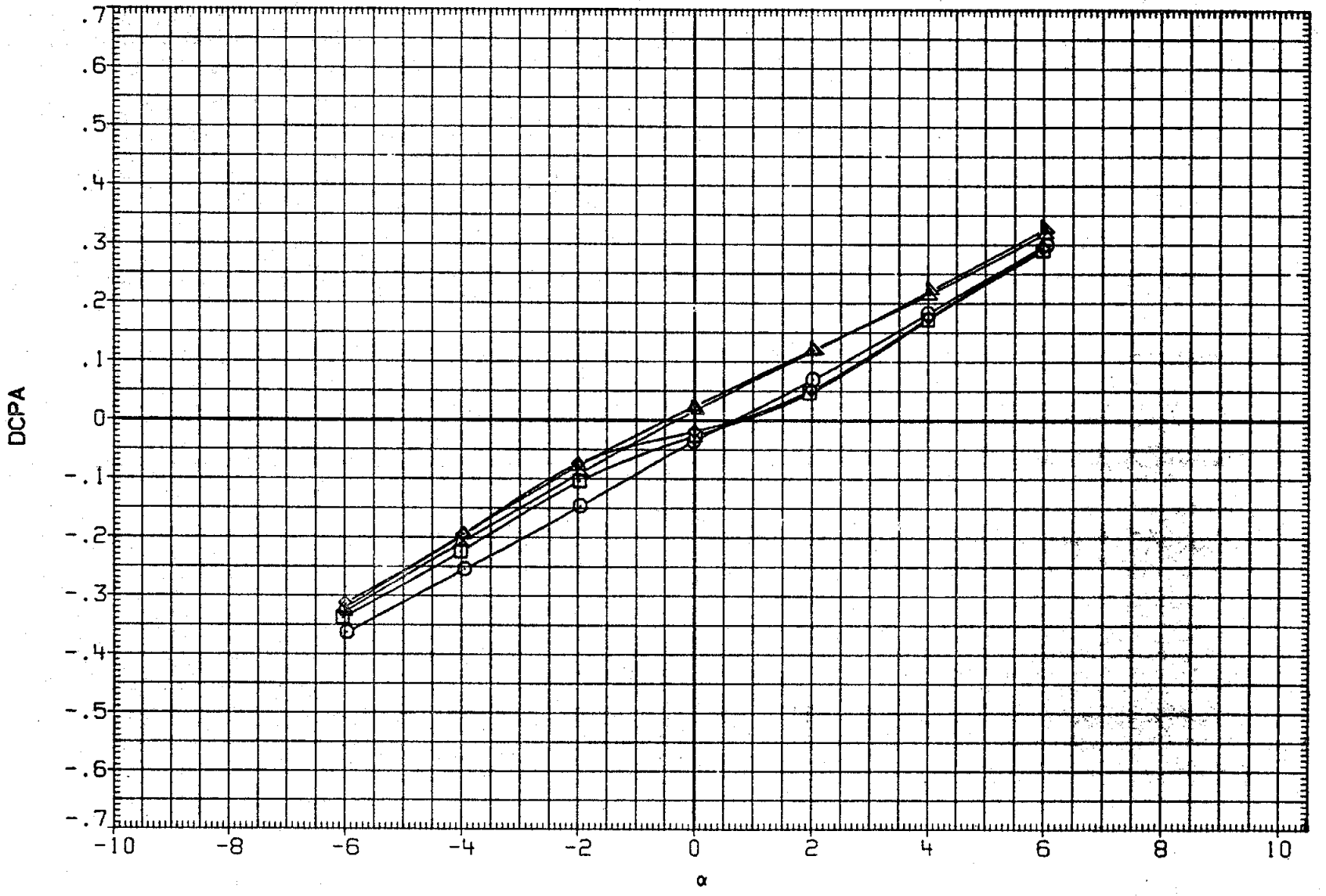

FIG. 9 DCPA CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

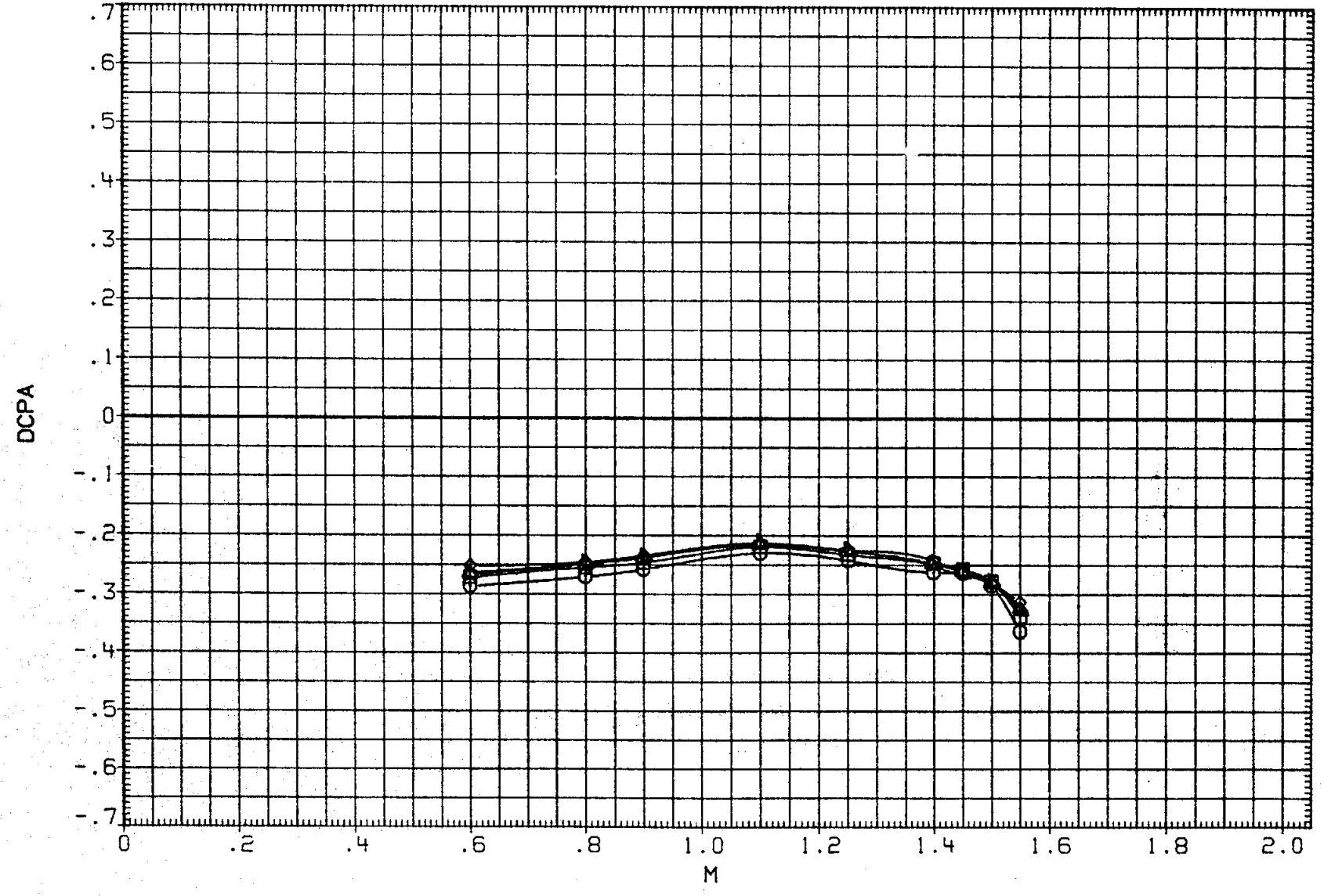

FIG. 9 DCPA CHARACTERISTICS

(A)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

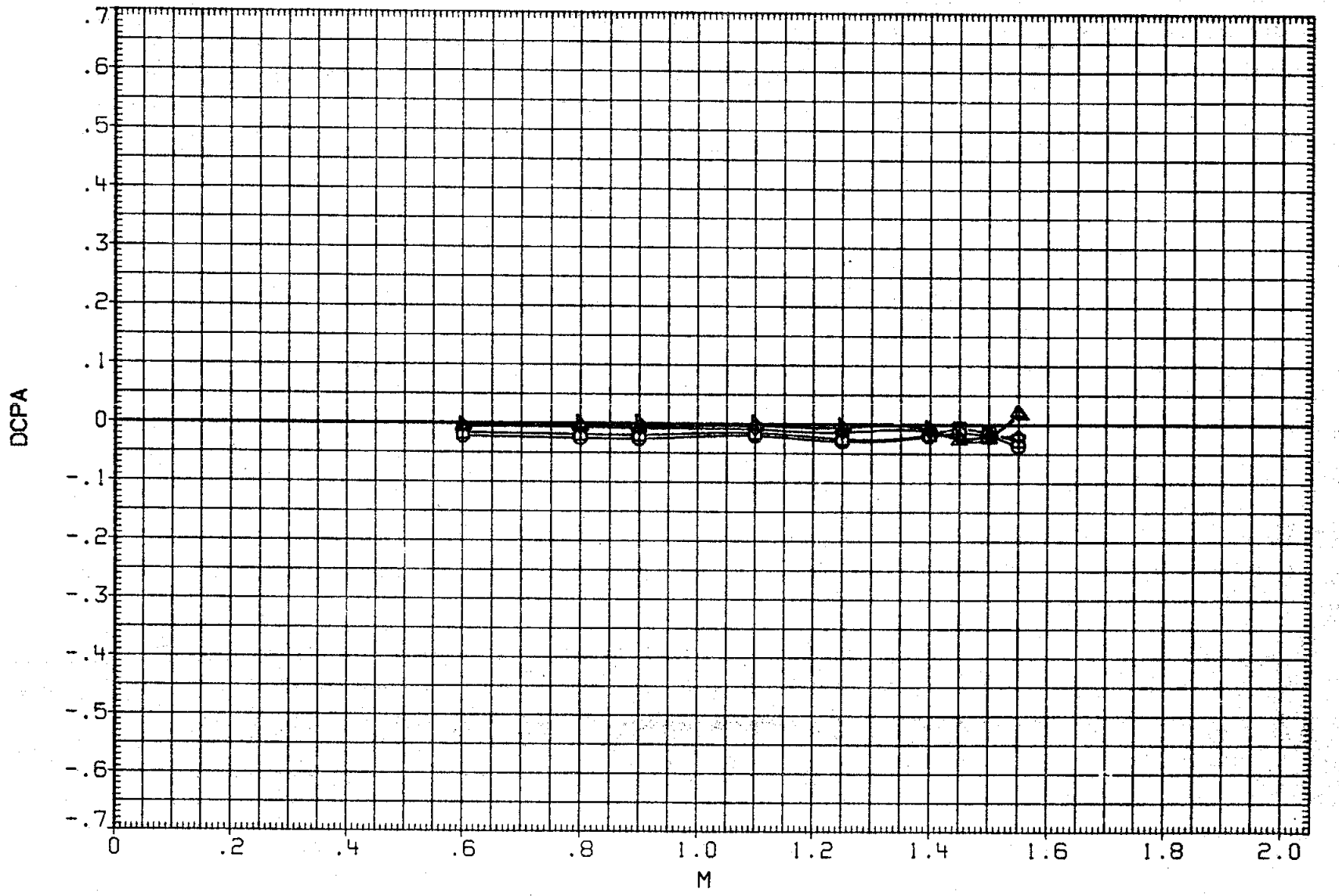

FIG. 9 DCPA CHARACTERISTICS

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

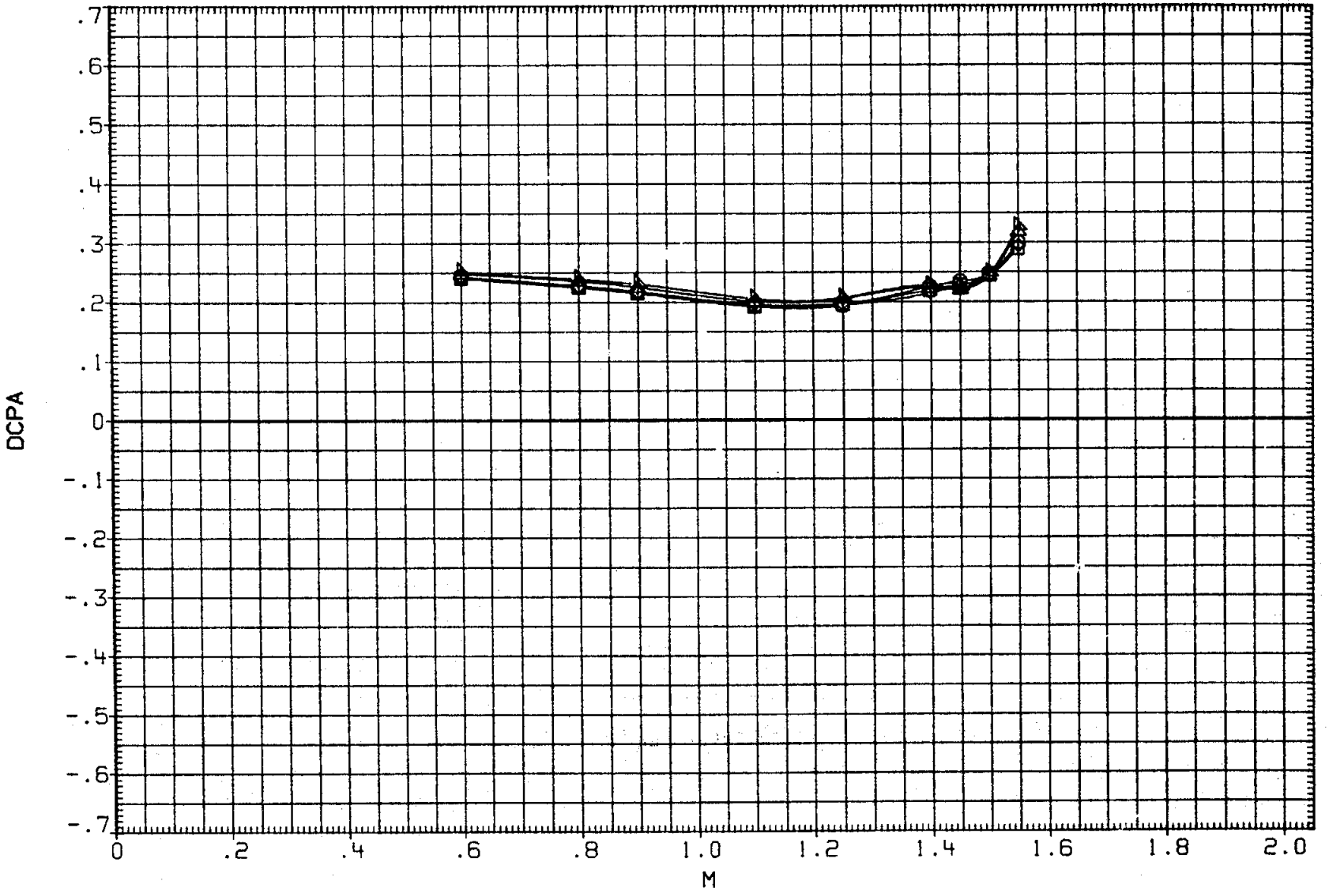

FIG. 9 DCPA CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

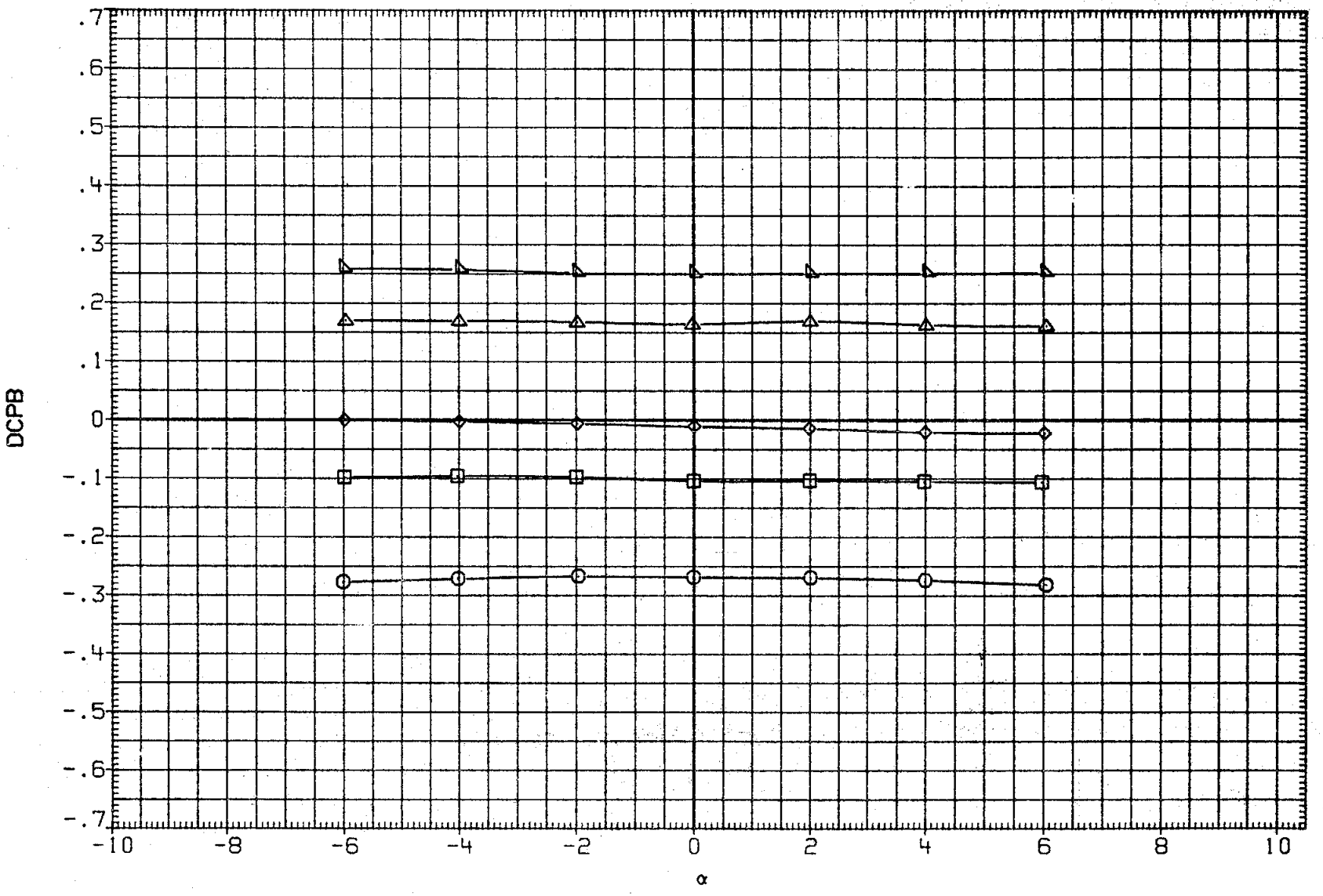

FIG. 10 DCPB CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

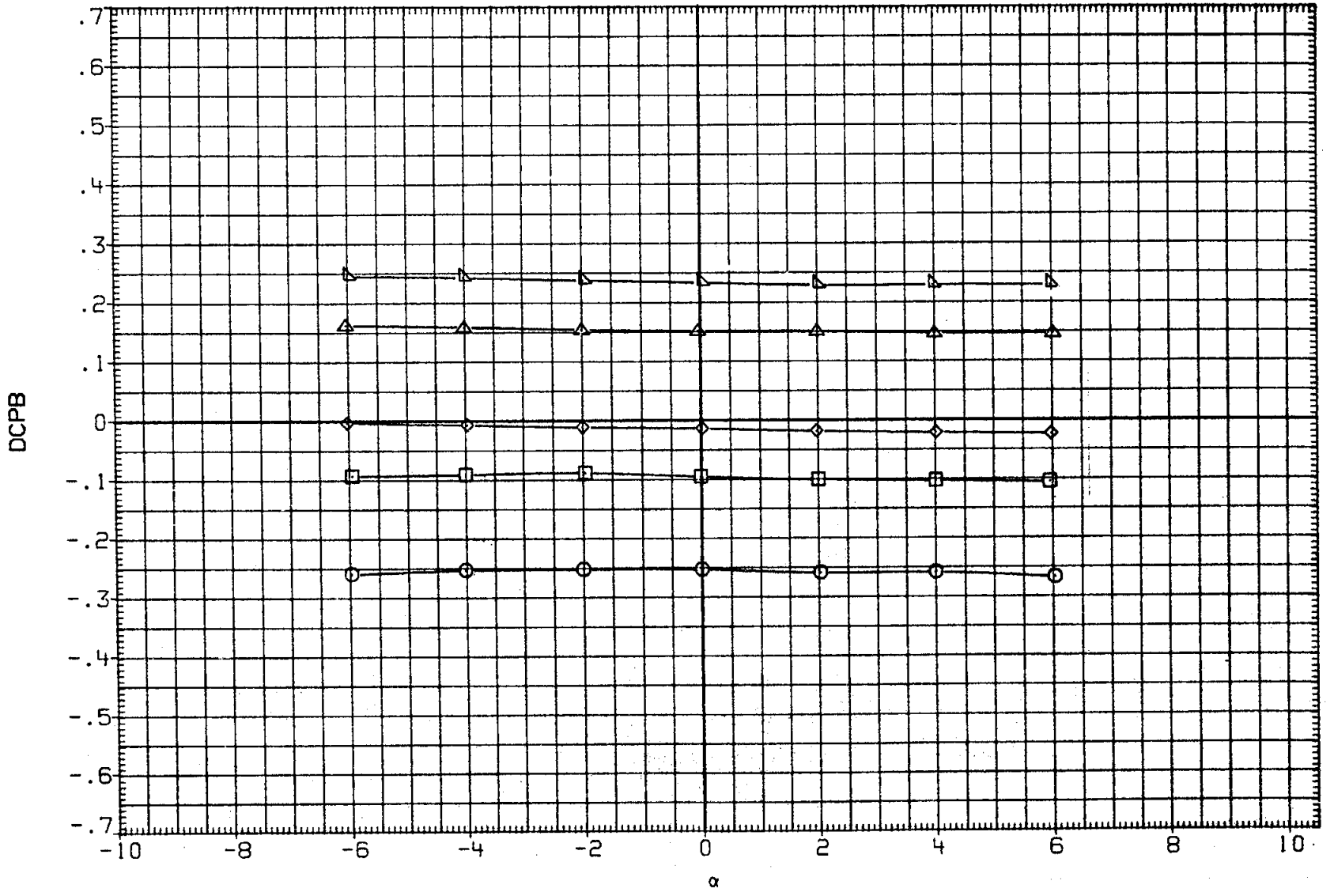

FIG. 10 DCPB CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

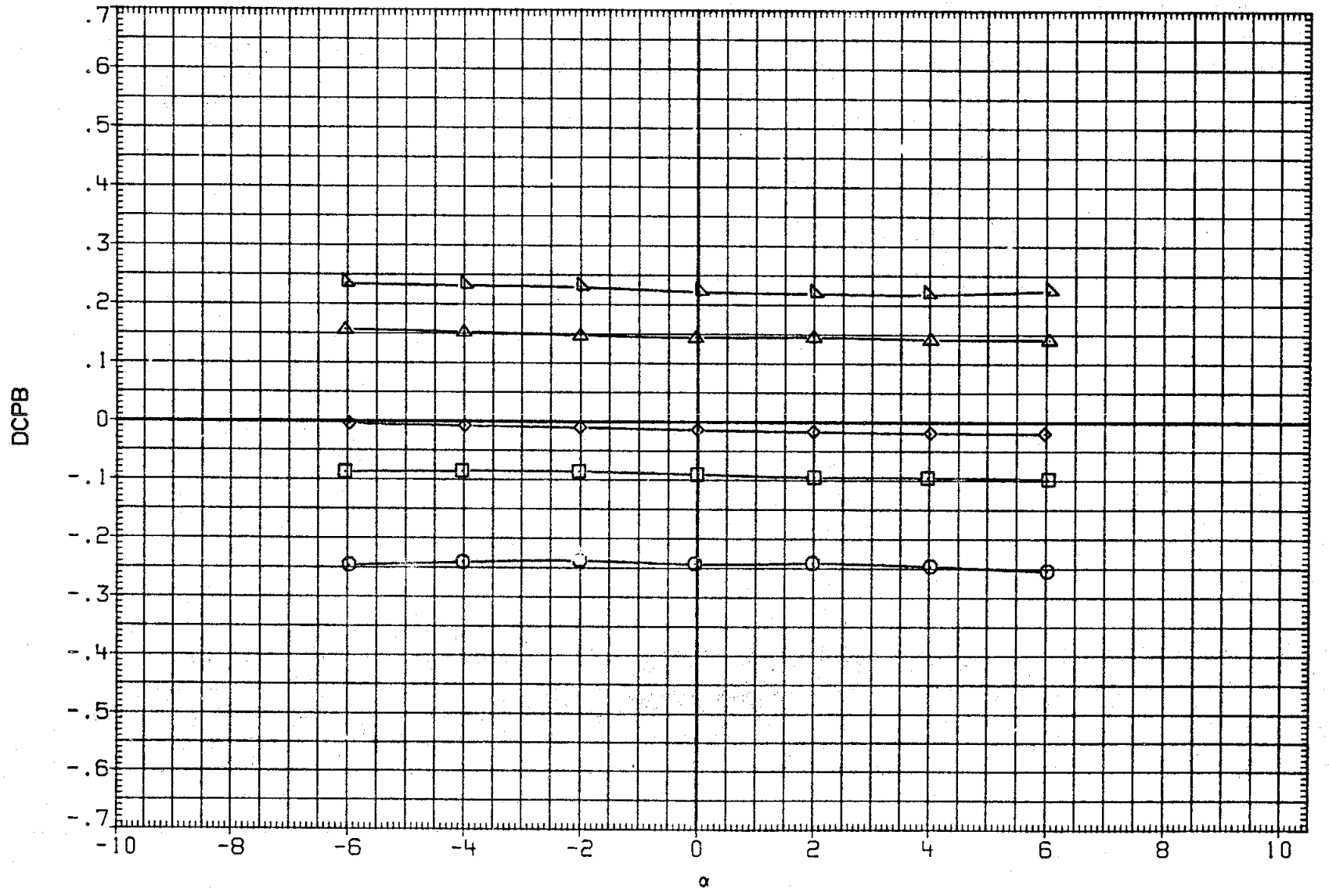

FIG. 10 DCPB CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

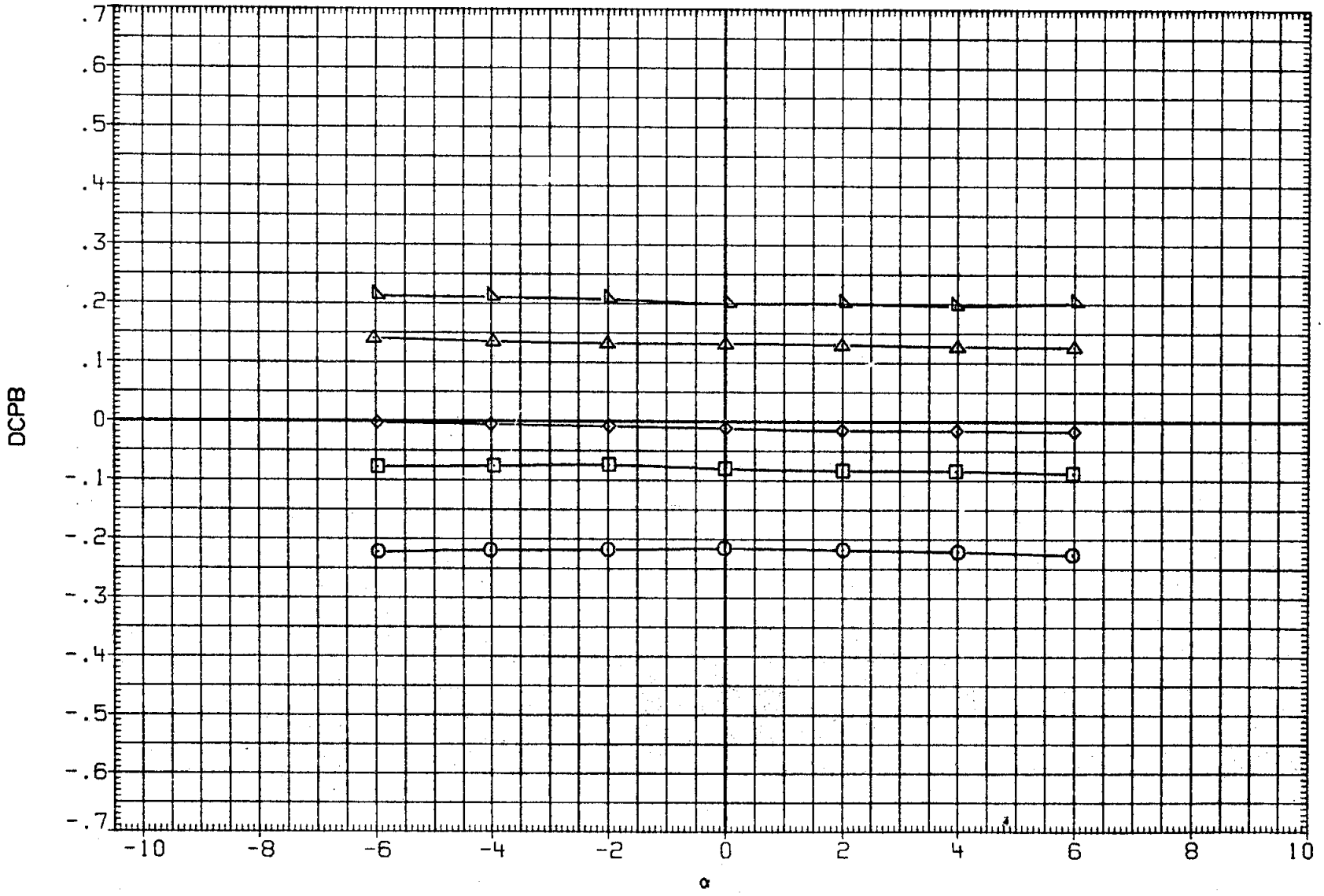

FIG. 10 DCPB CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

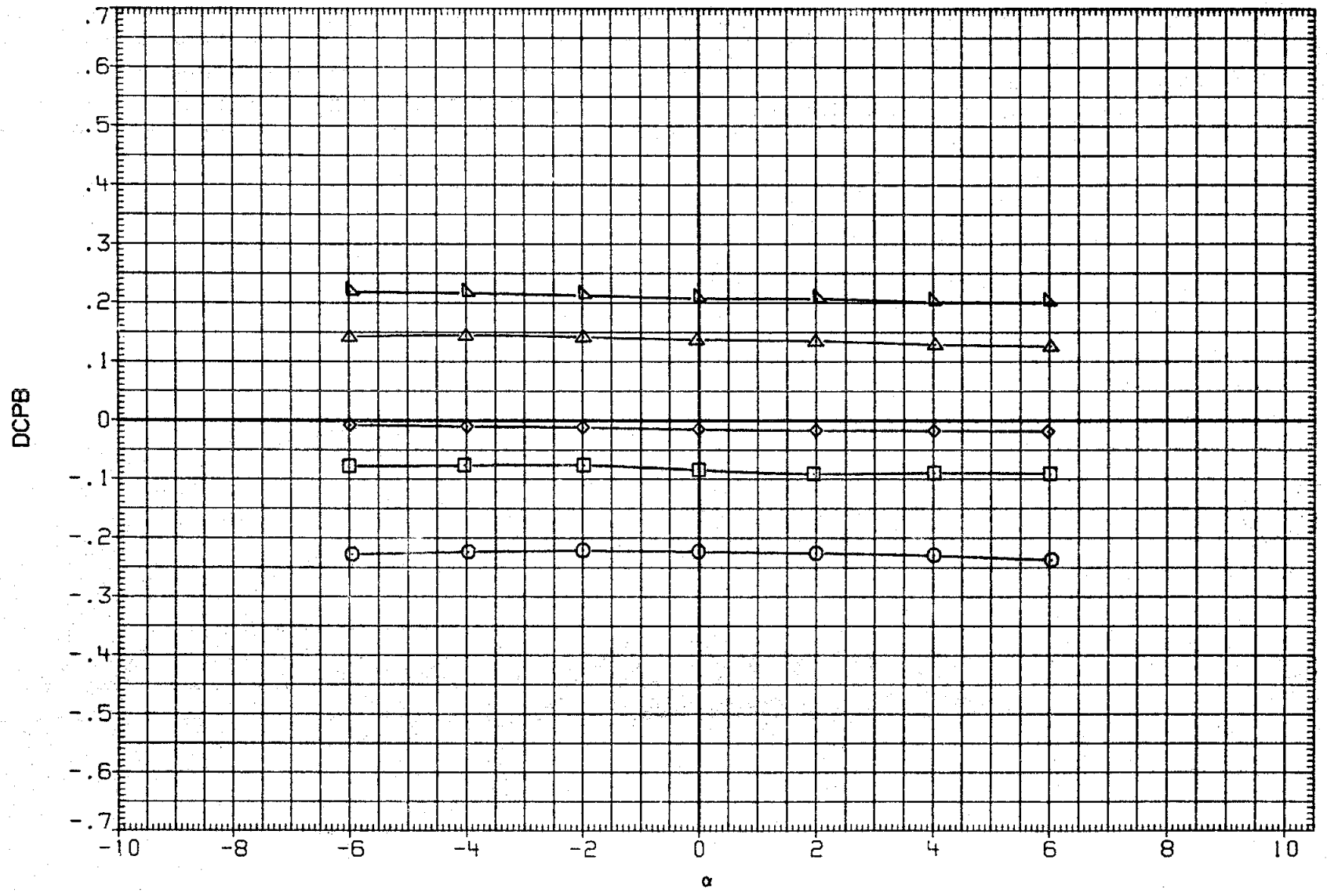

FIG. 10 DCPB CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

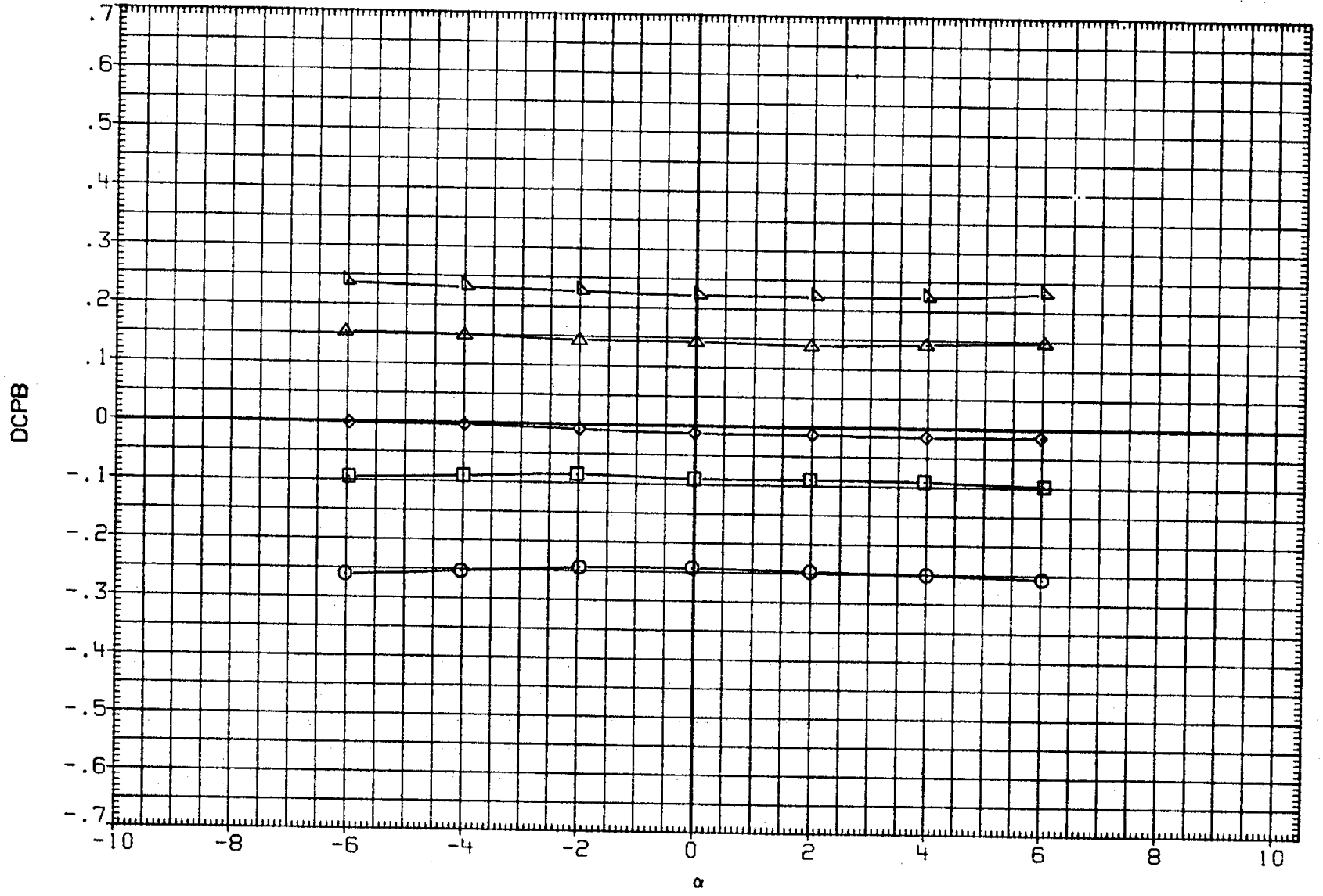

FIG. 10 DCPB CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

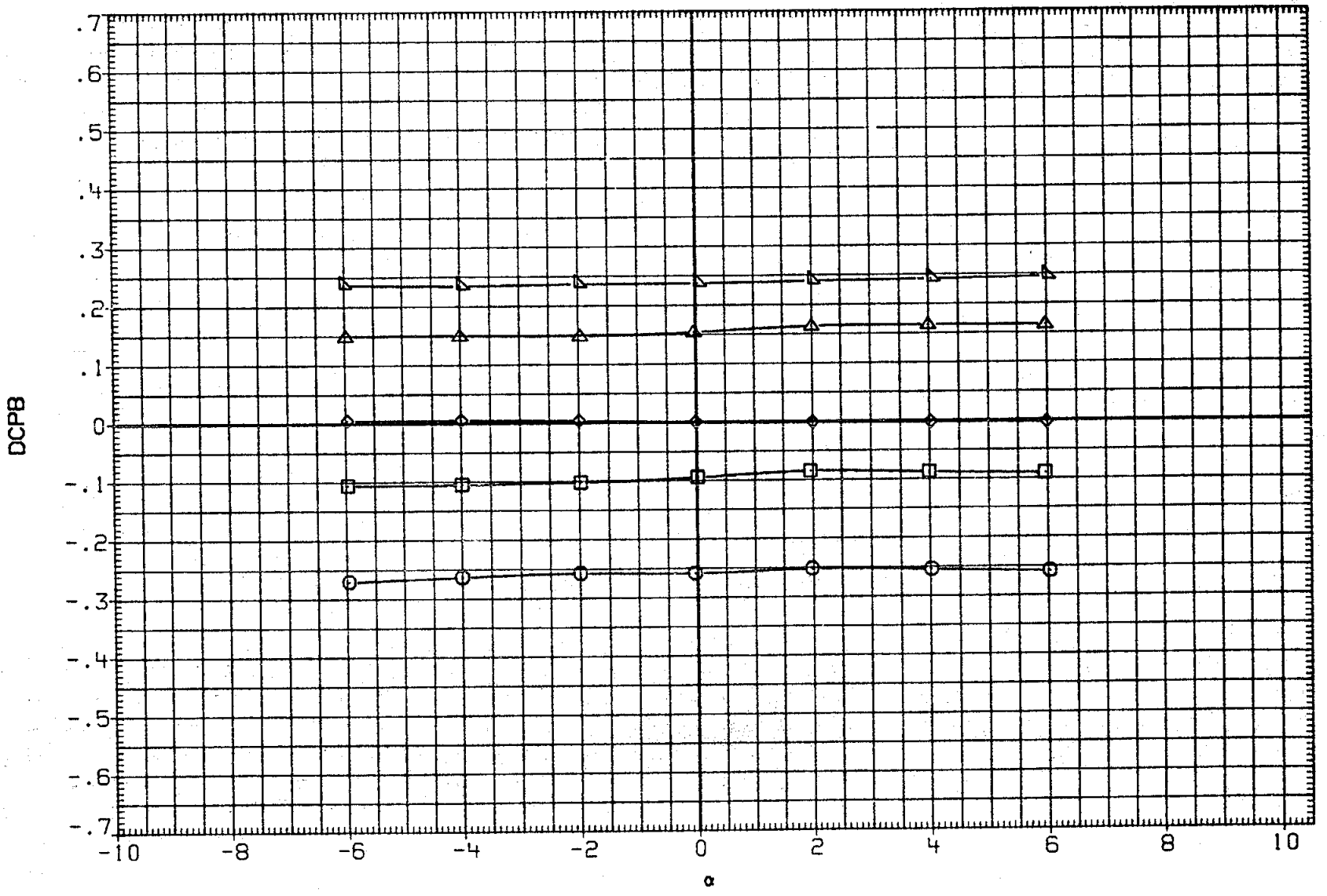

FIG. 10 DCPB CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

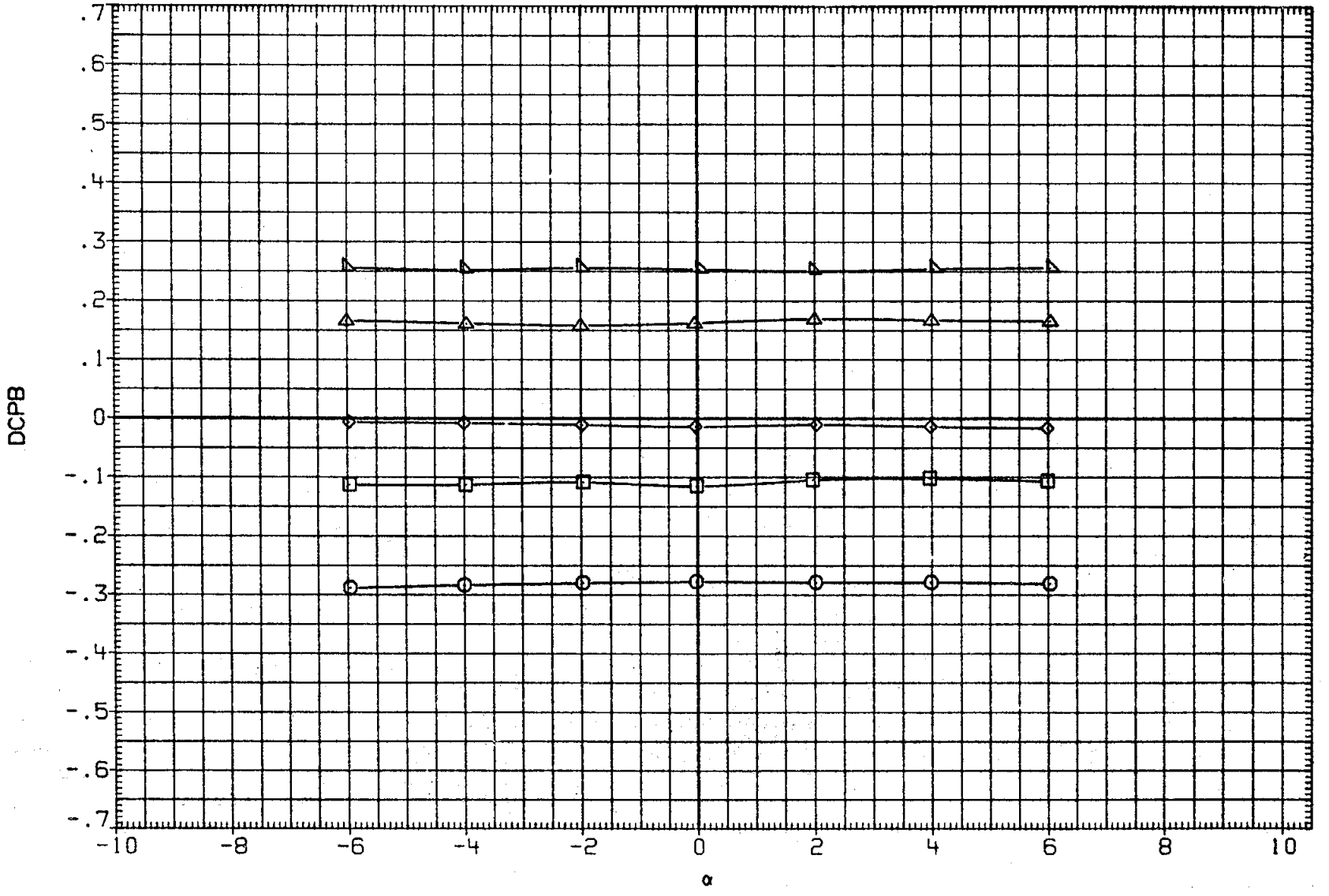

FIG. 10 DCPB CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

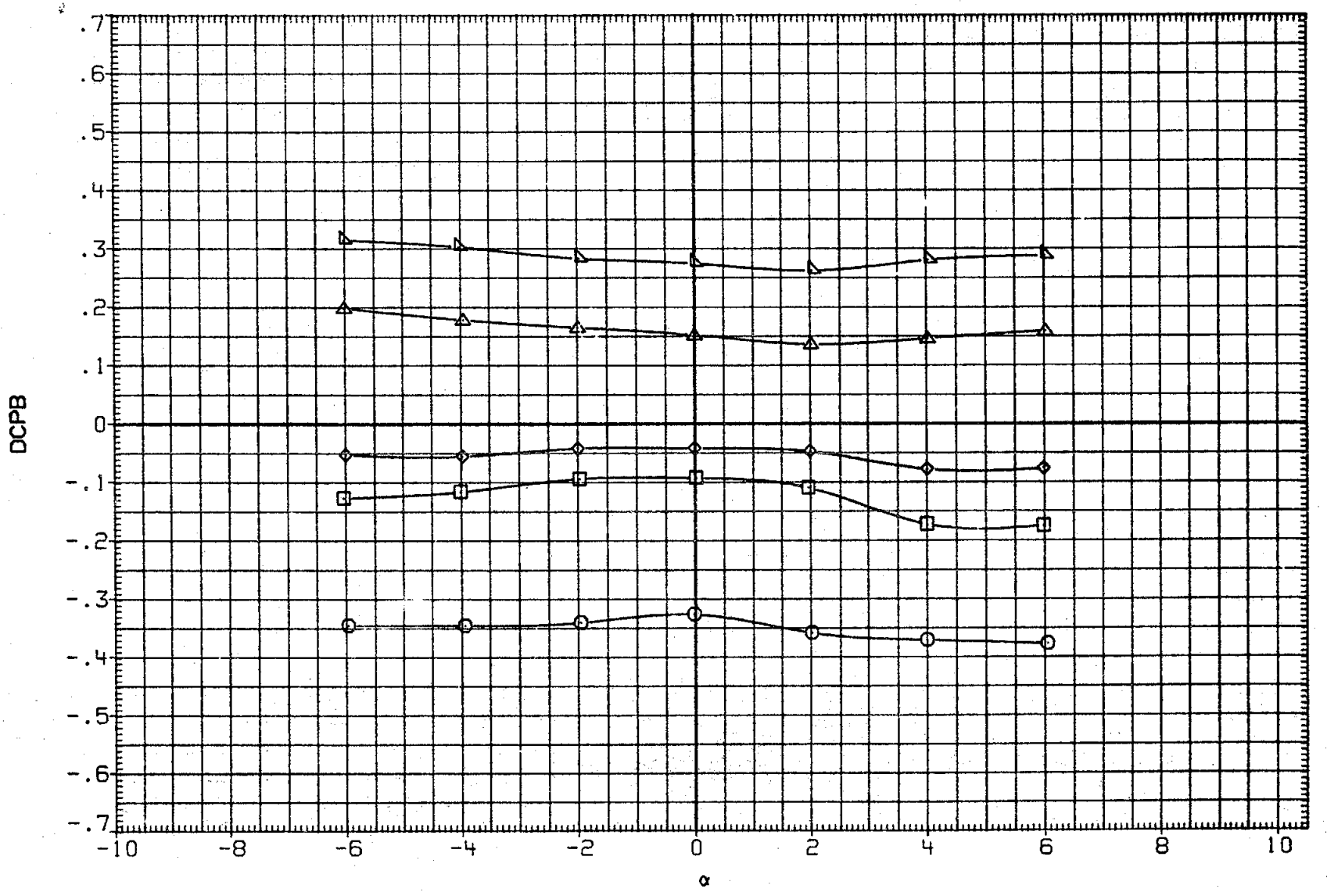

FIG. 10 DCPB CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

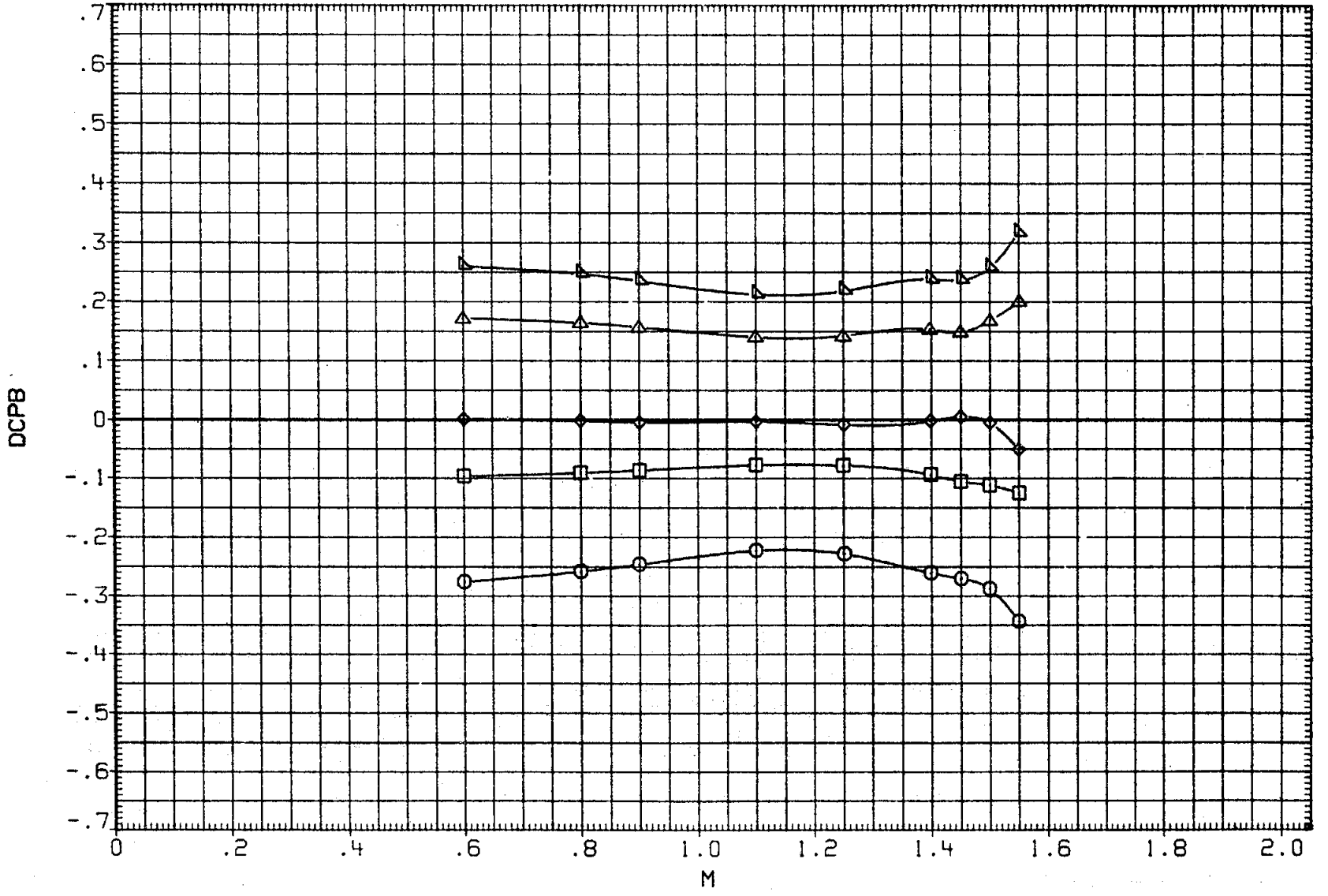

FIG. 10 DCPB CHARACTERISTICS

(A)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

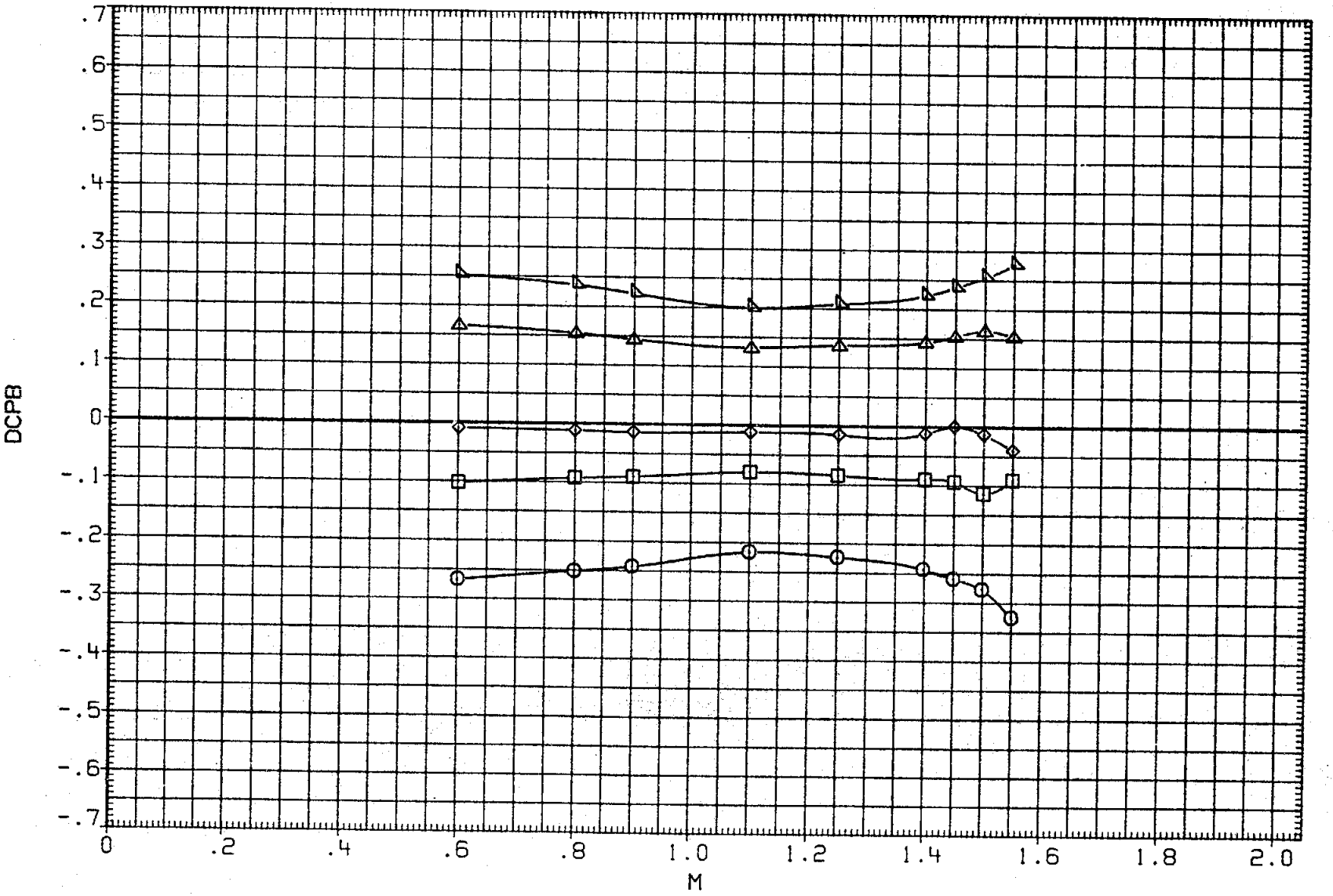

FIG. 10 DCPB CHARACTERISTICS

(B) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA
B4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
B4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
B4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
B4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
B4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

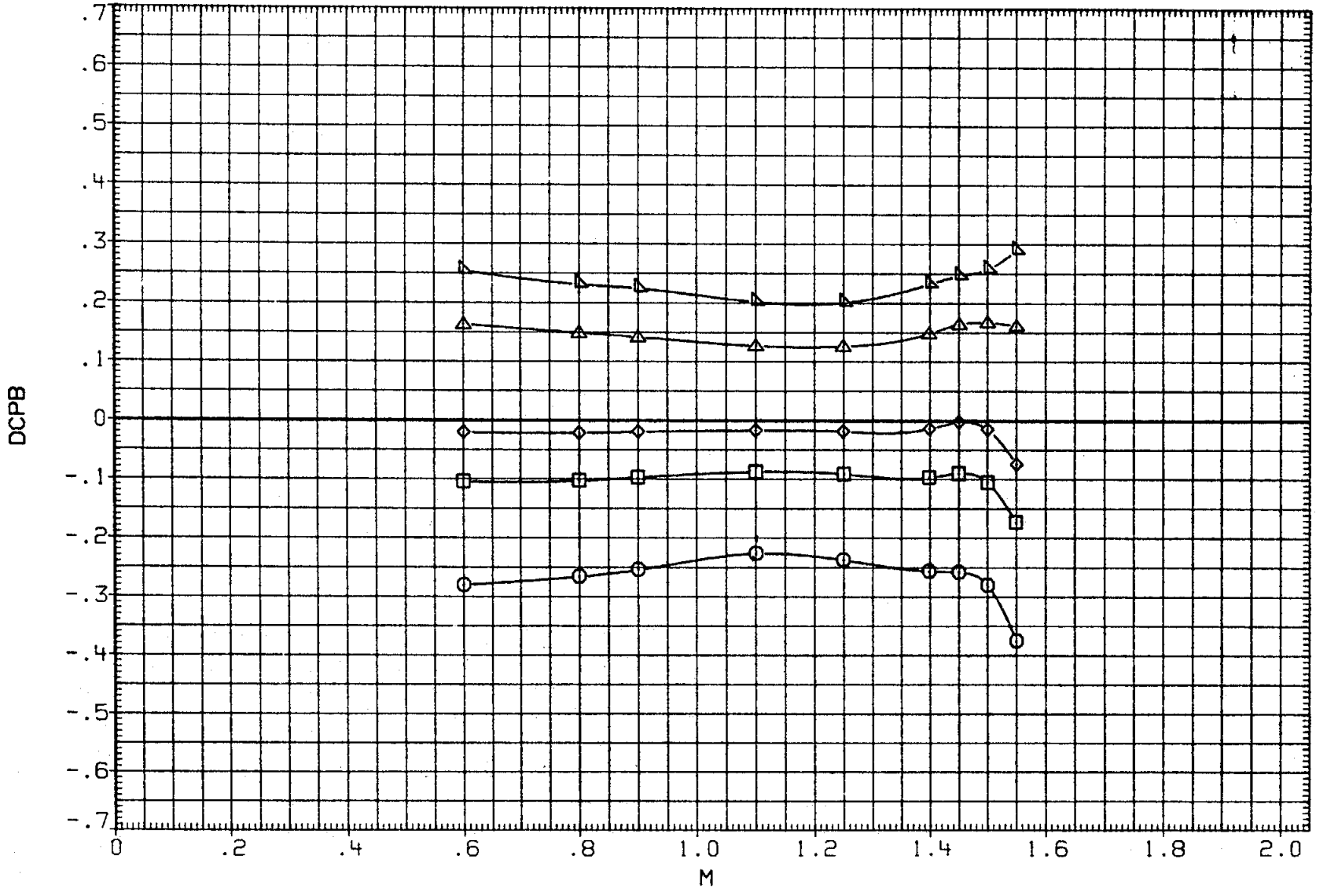

FIG. 10 DCPB CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

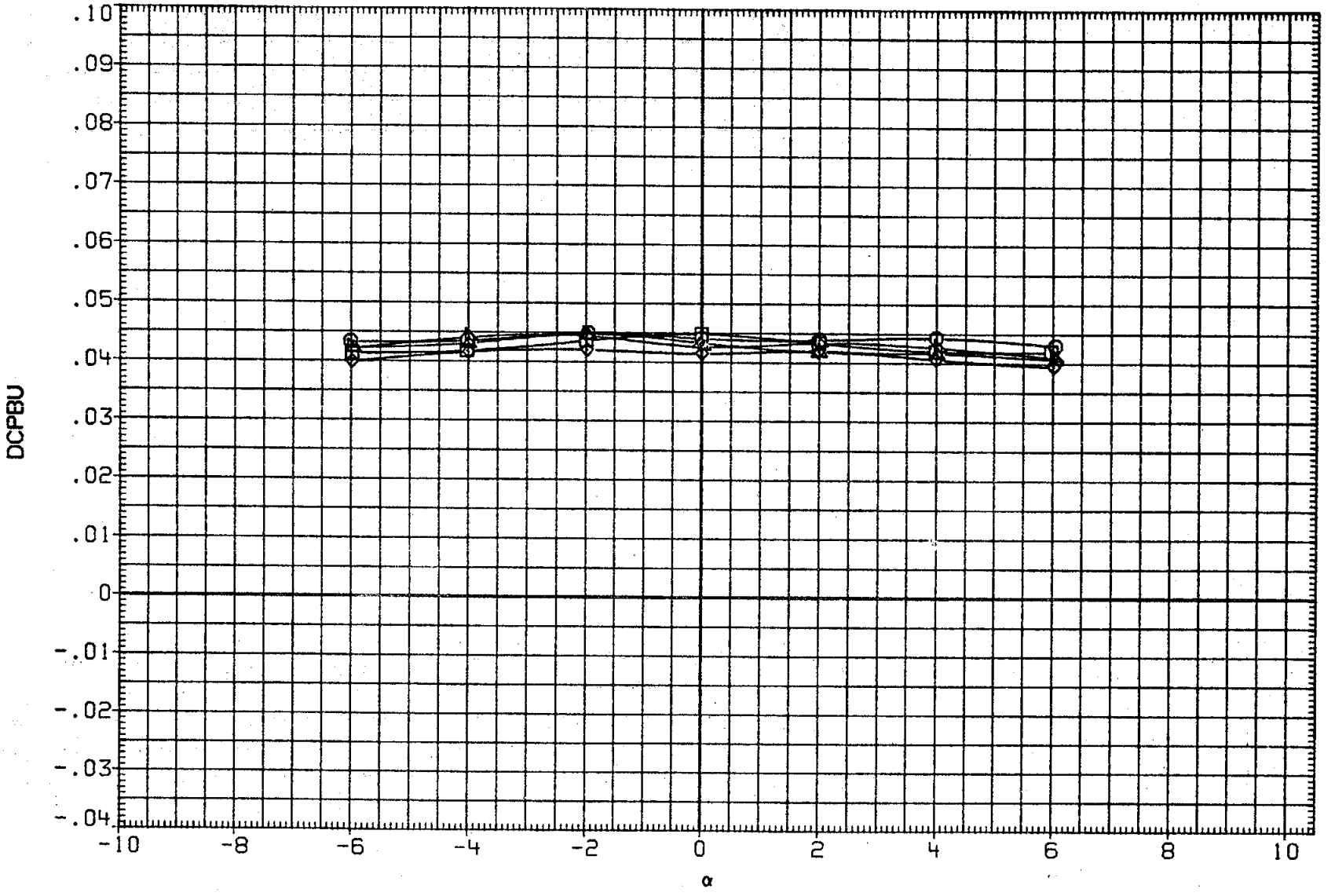

FIG. 11 DCPBU CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

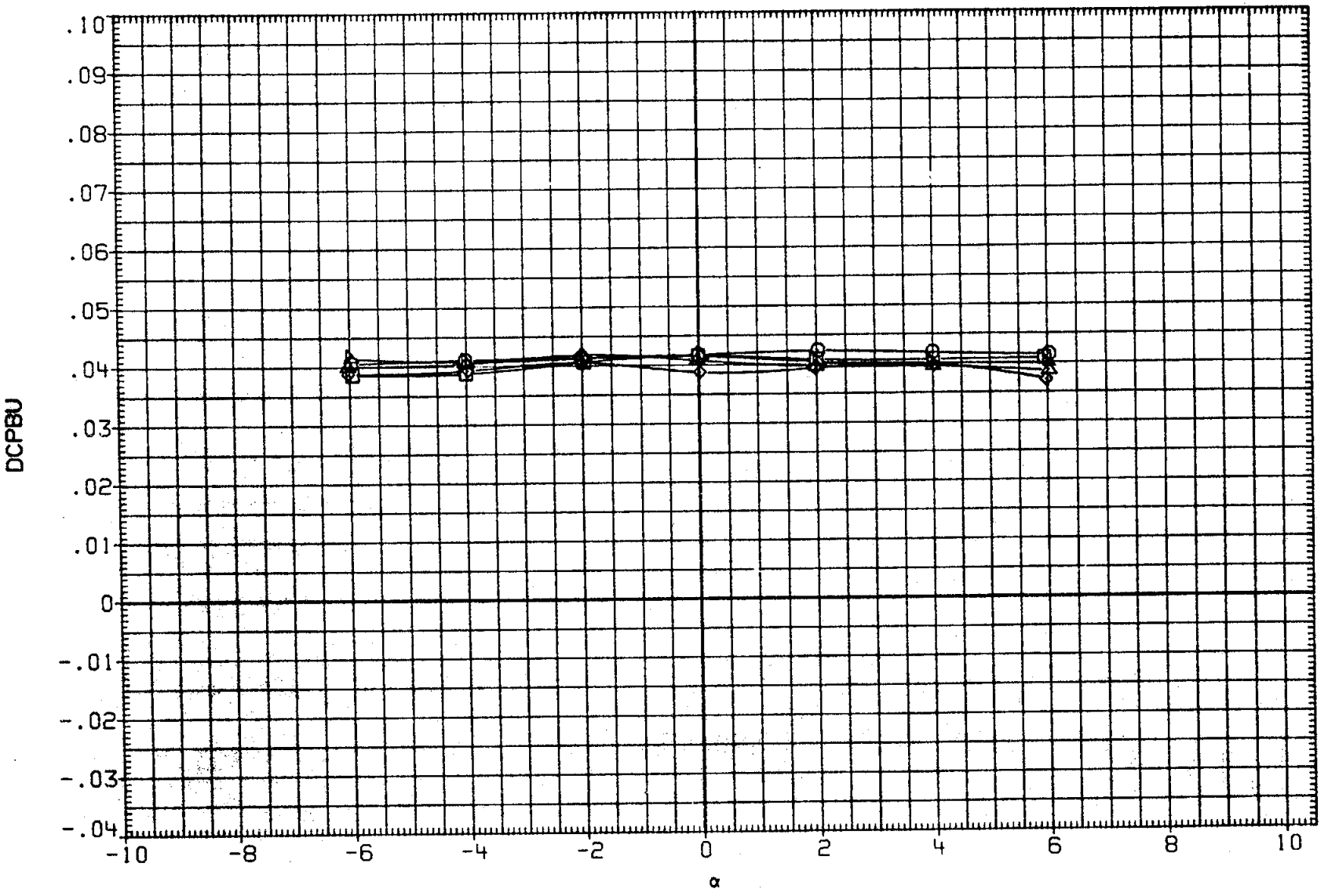

FIG. 11 DCPBU CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

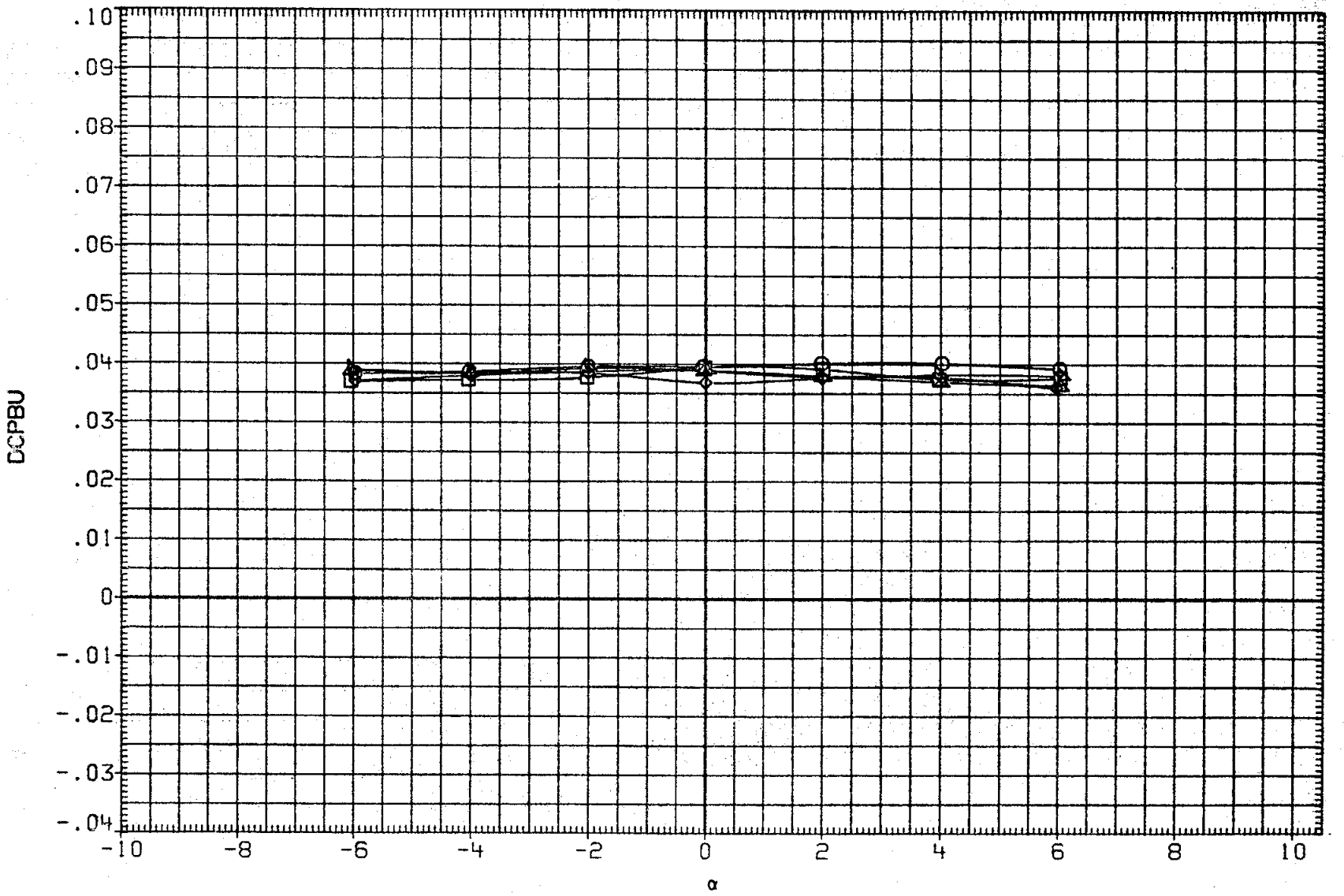

FIG. 11 DCPBU CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

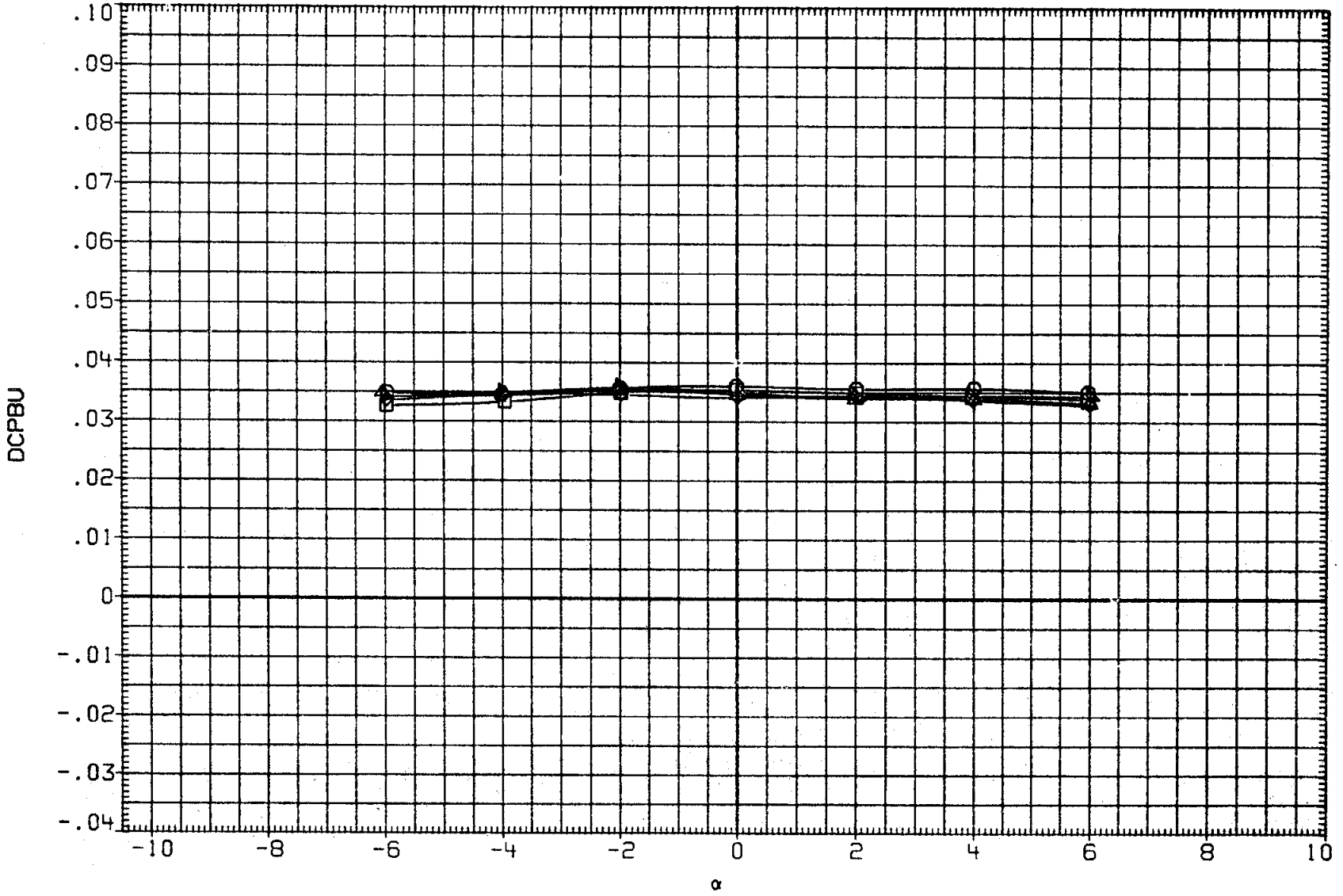

FIG. 11 DCPBU CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

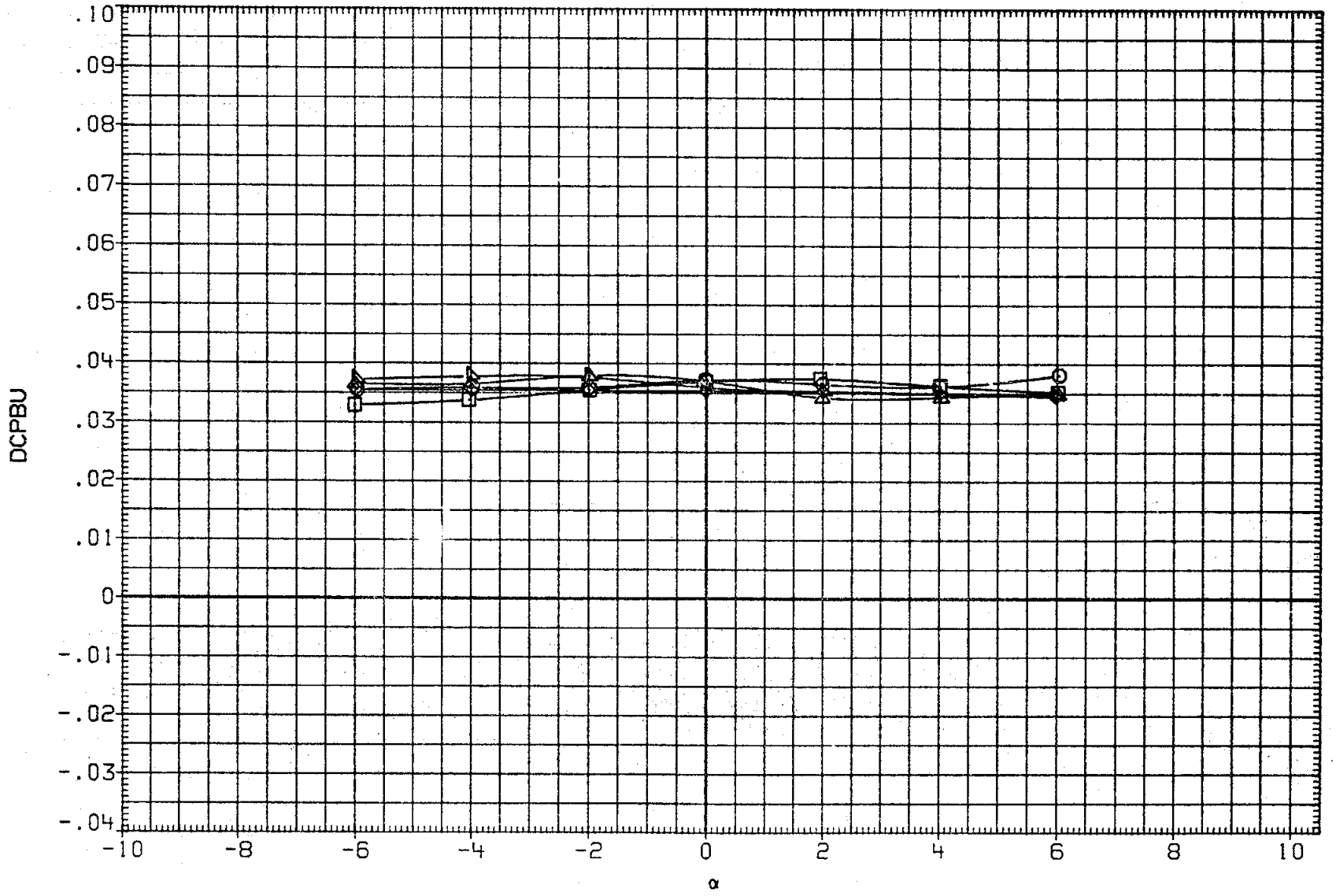

FIG. 11 DCPBU CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

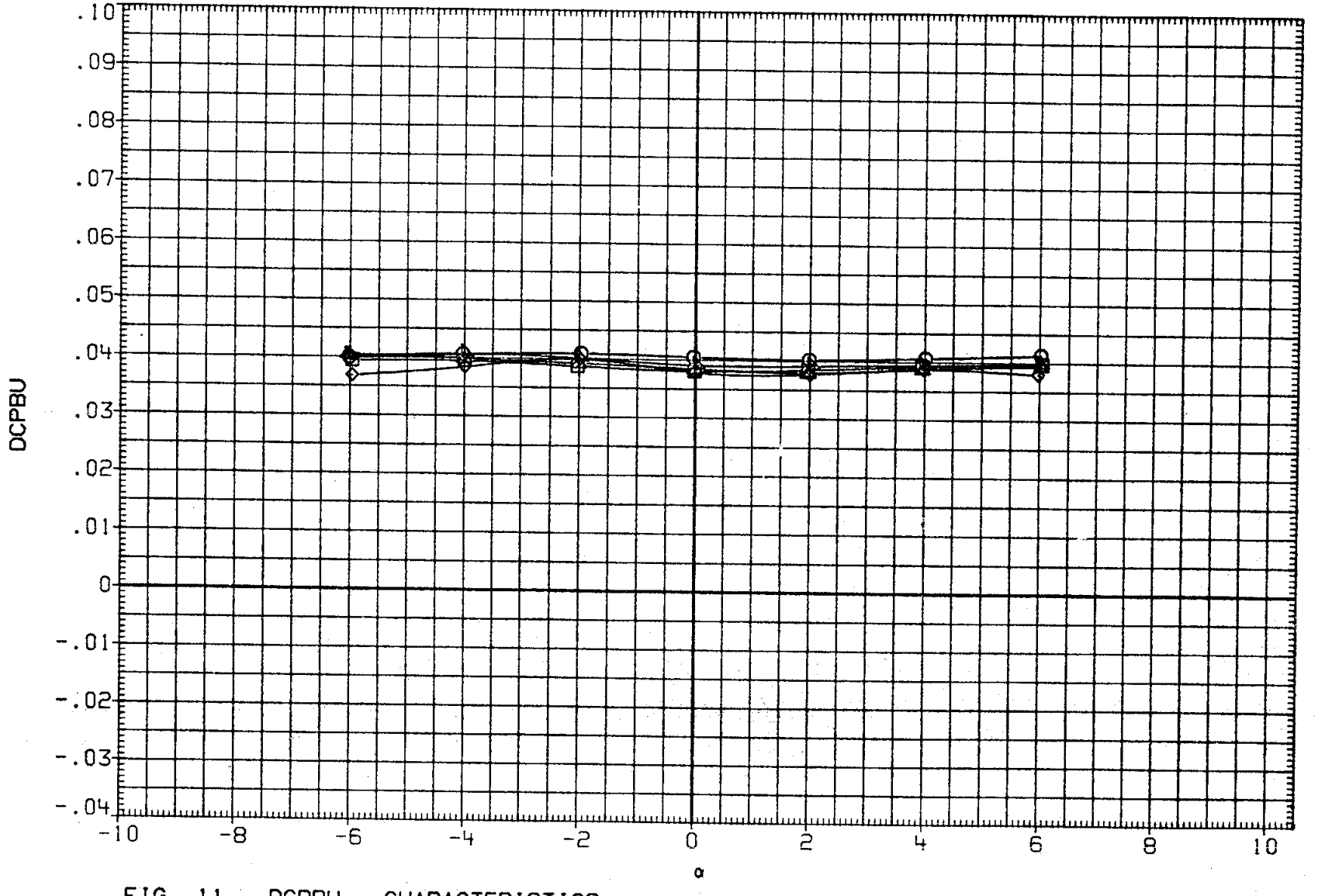

FIG. 11 DCPBU CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

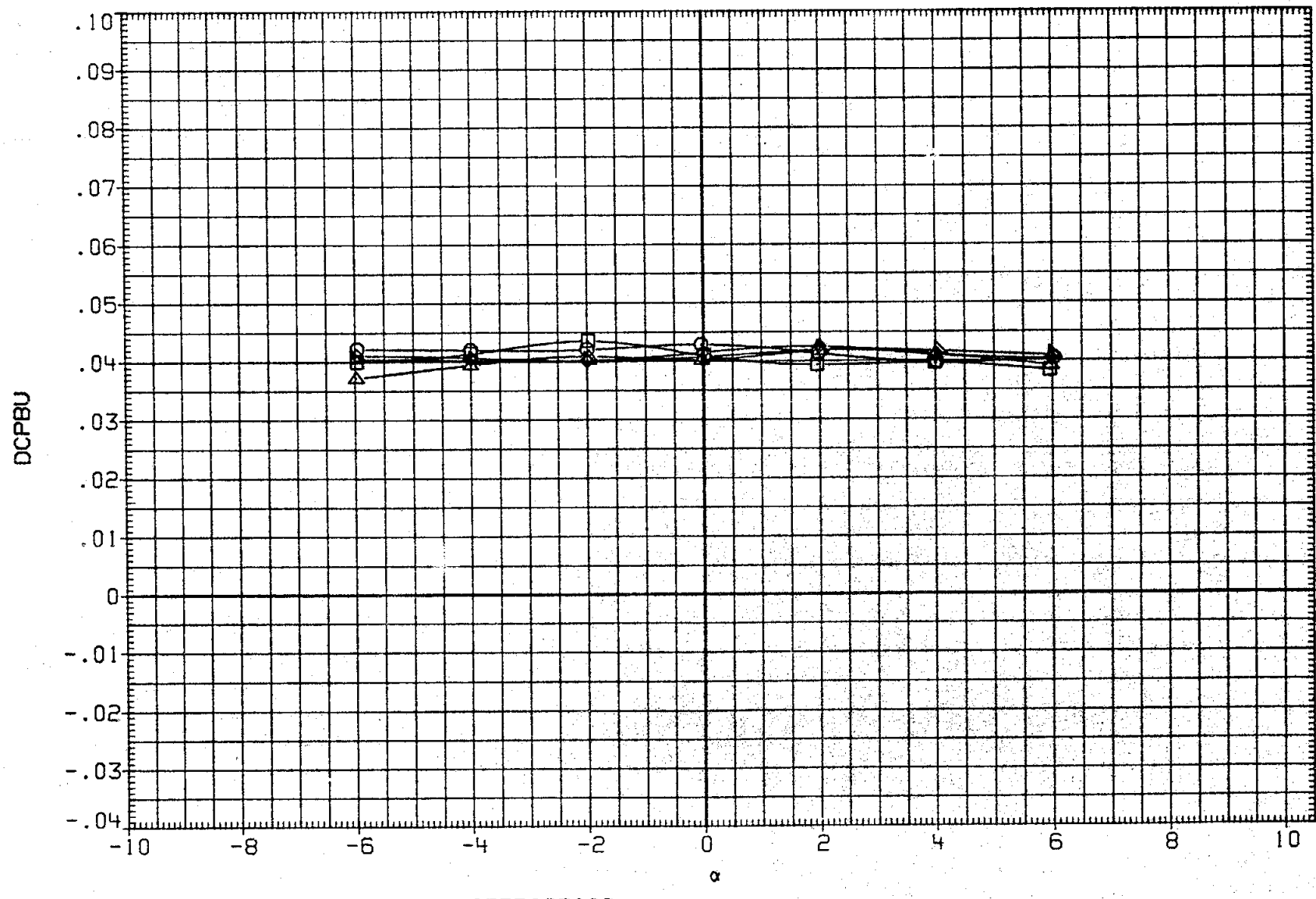

FIG. 11 DCPBU CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

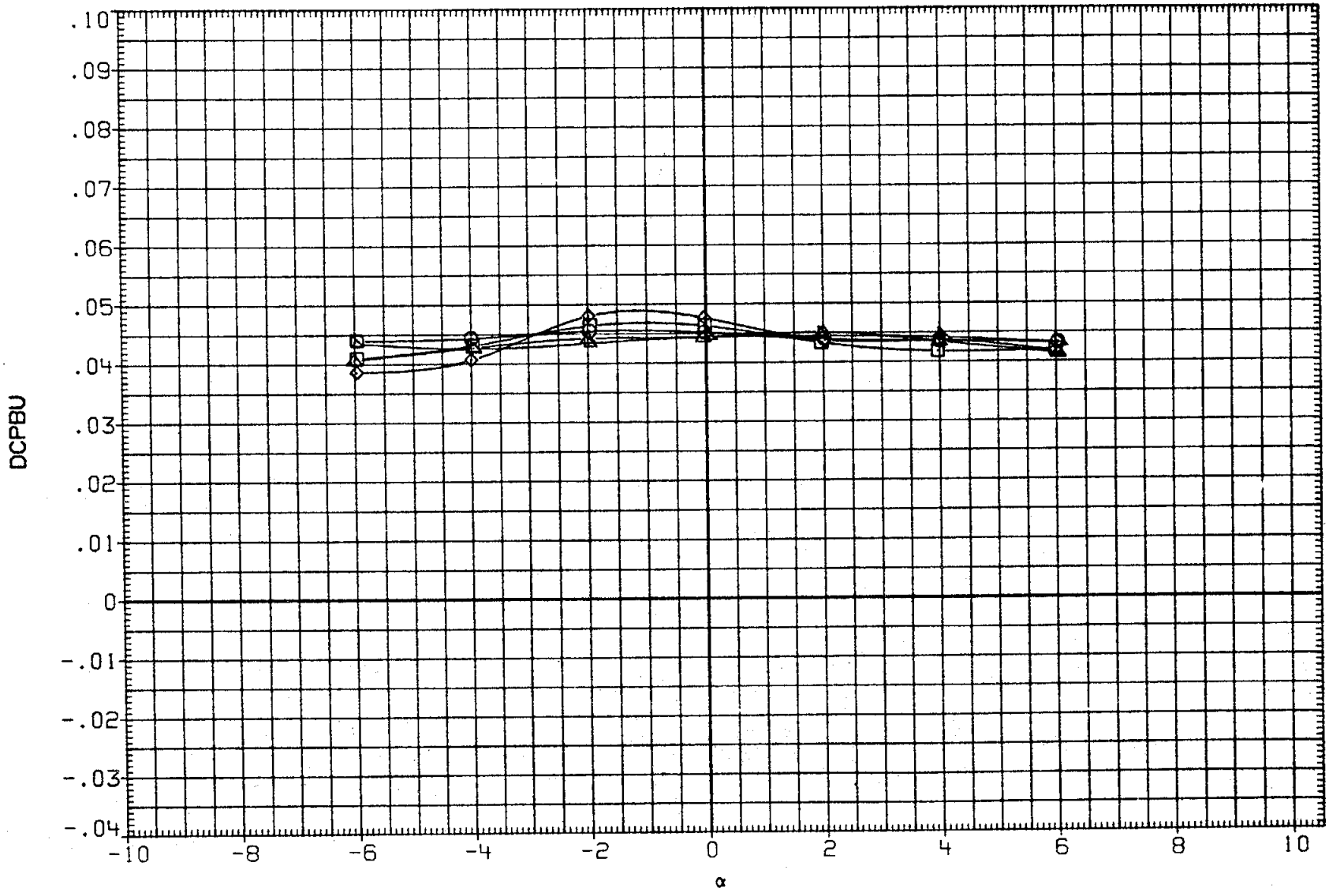

FIG. 11 DCPBU CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

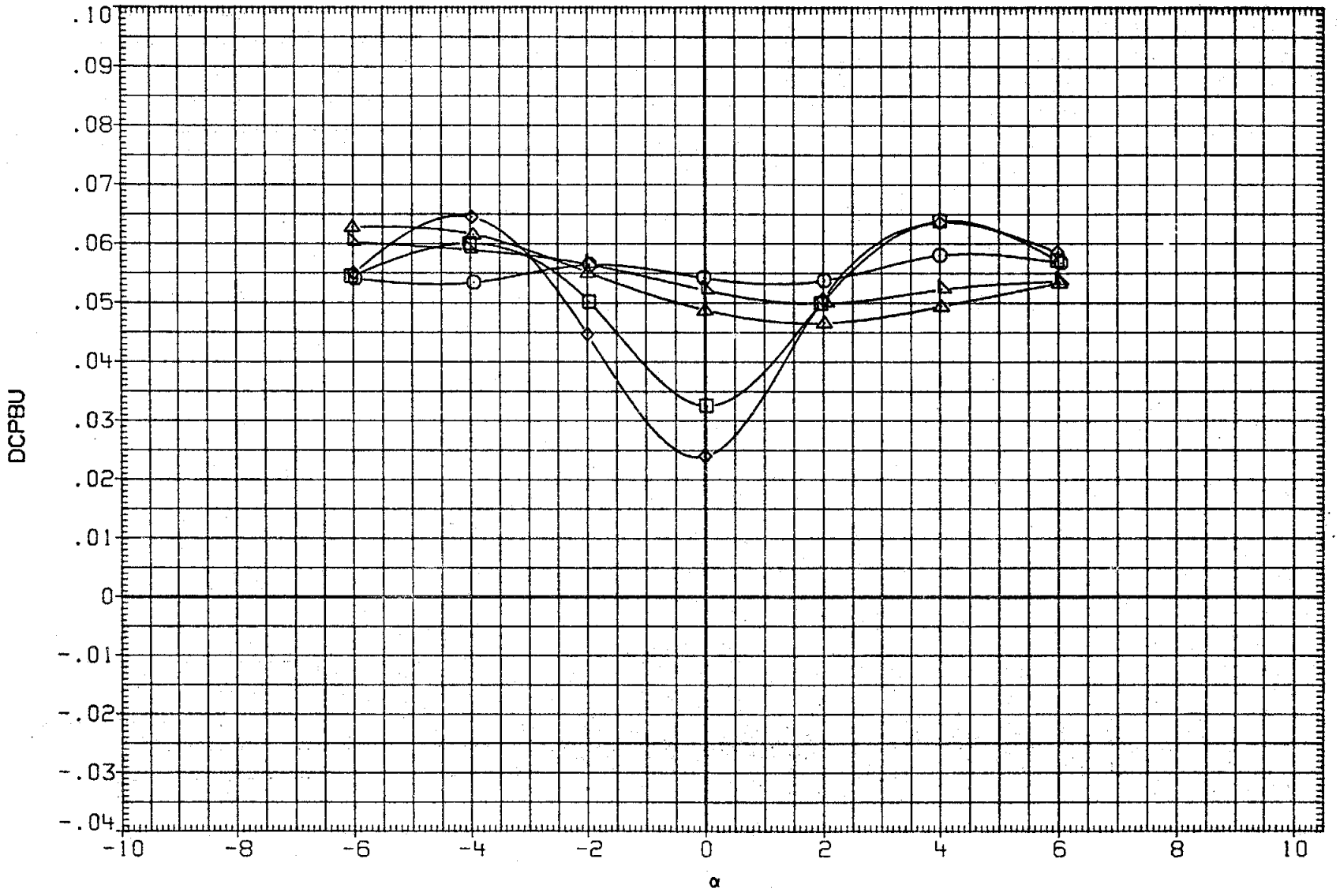

FIG. 11 DCPBU CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

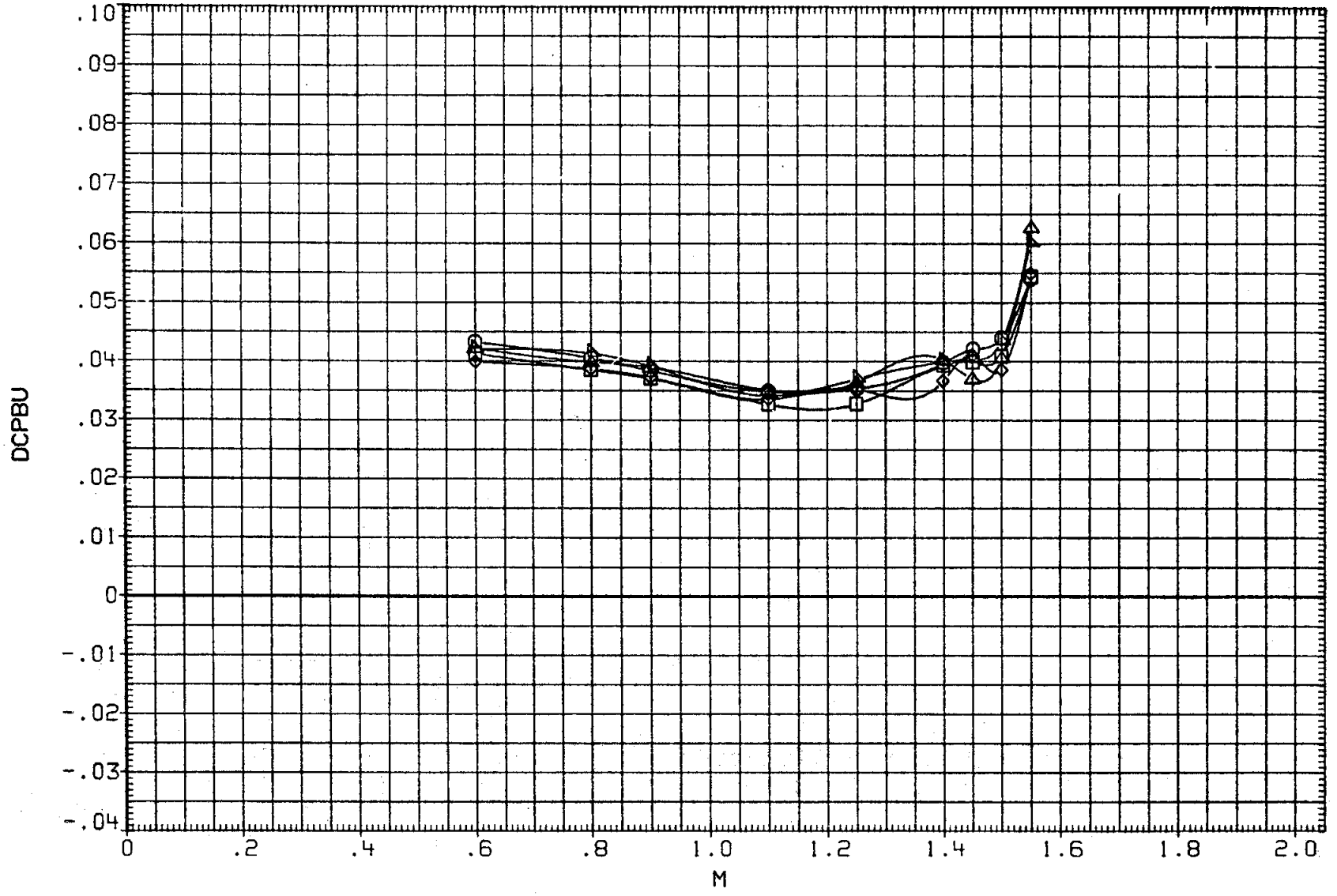

FIG. 11 DCPBU CHARACTERISTICS

(A)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

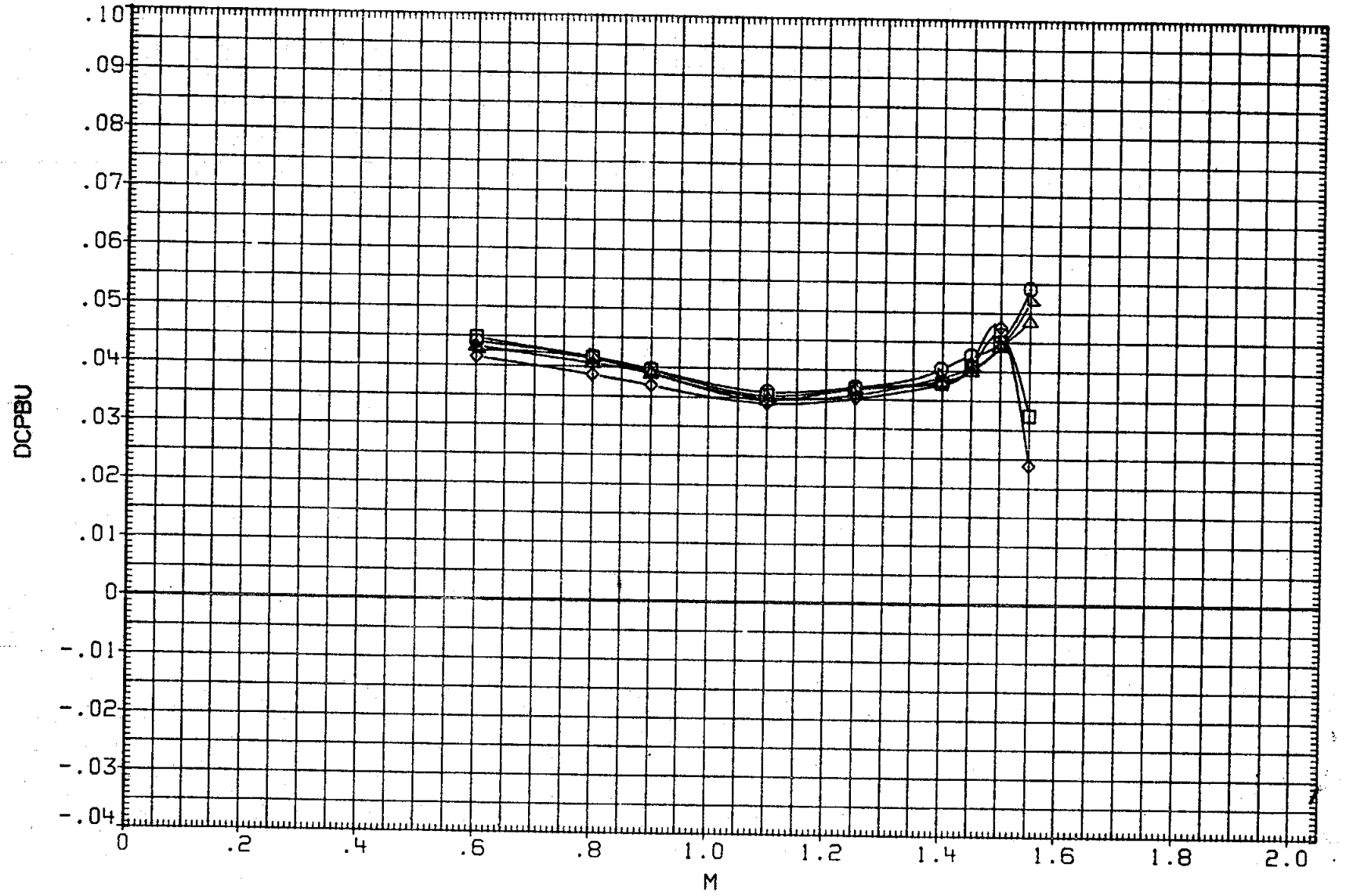

FIG. 11 DCPBU CHARACTERISTICS

(B) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

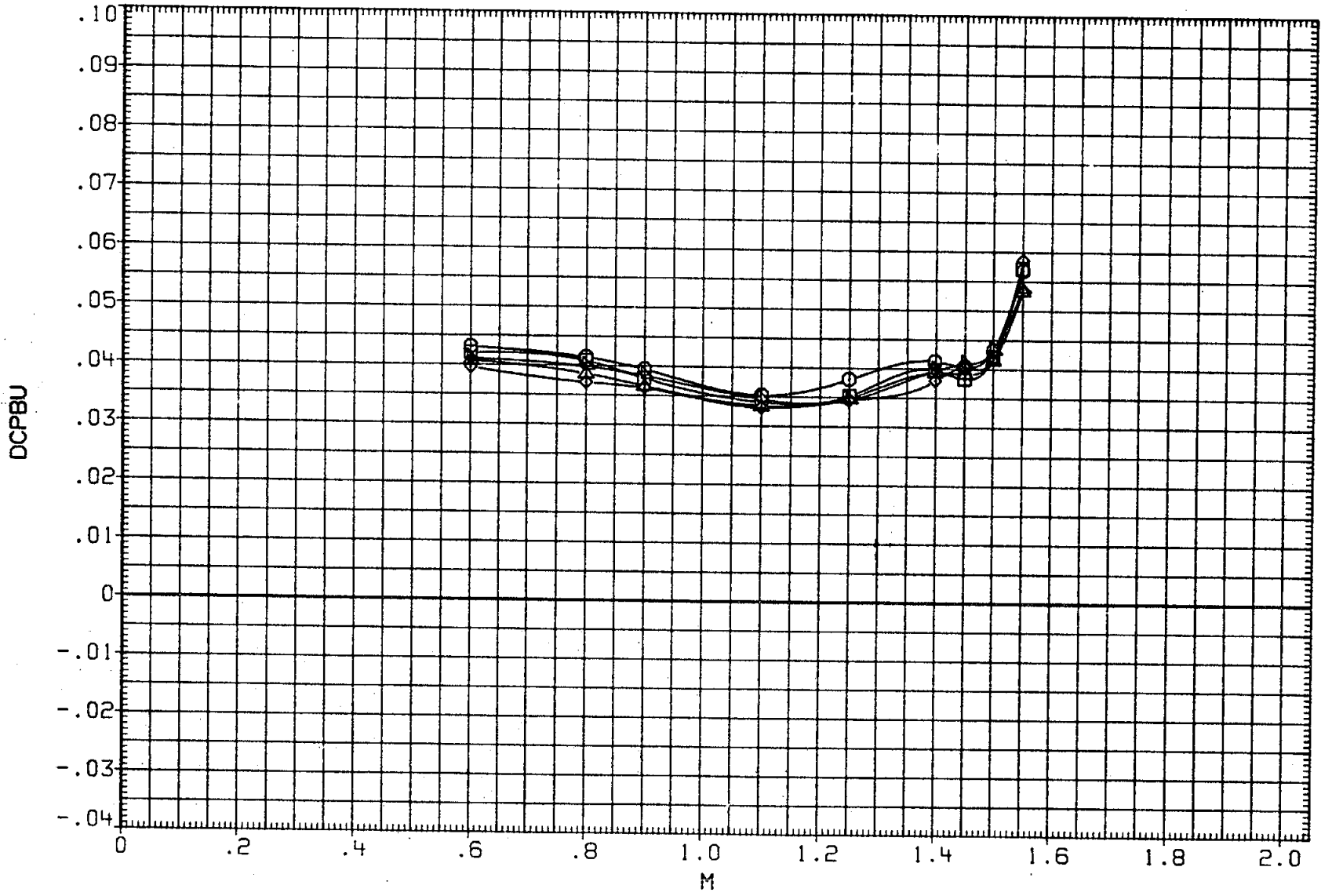

FIG. 11 DCPBU CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

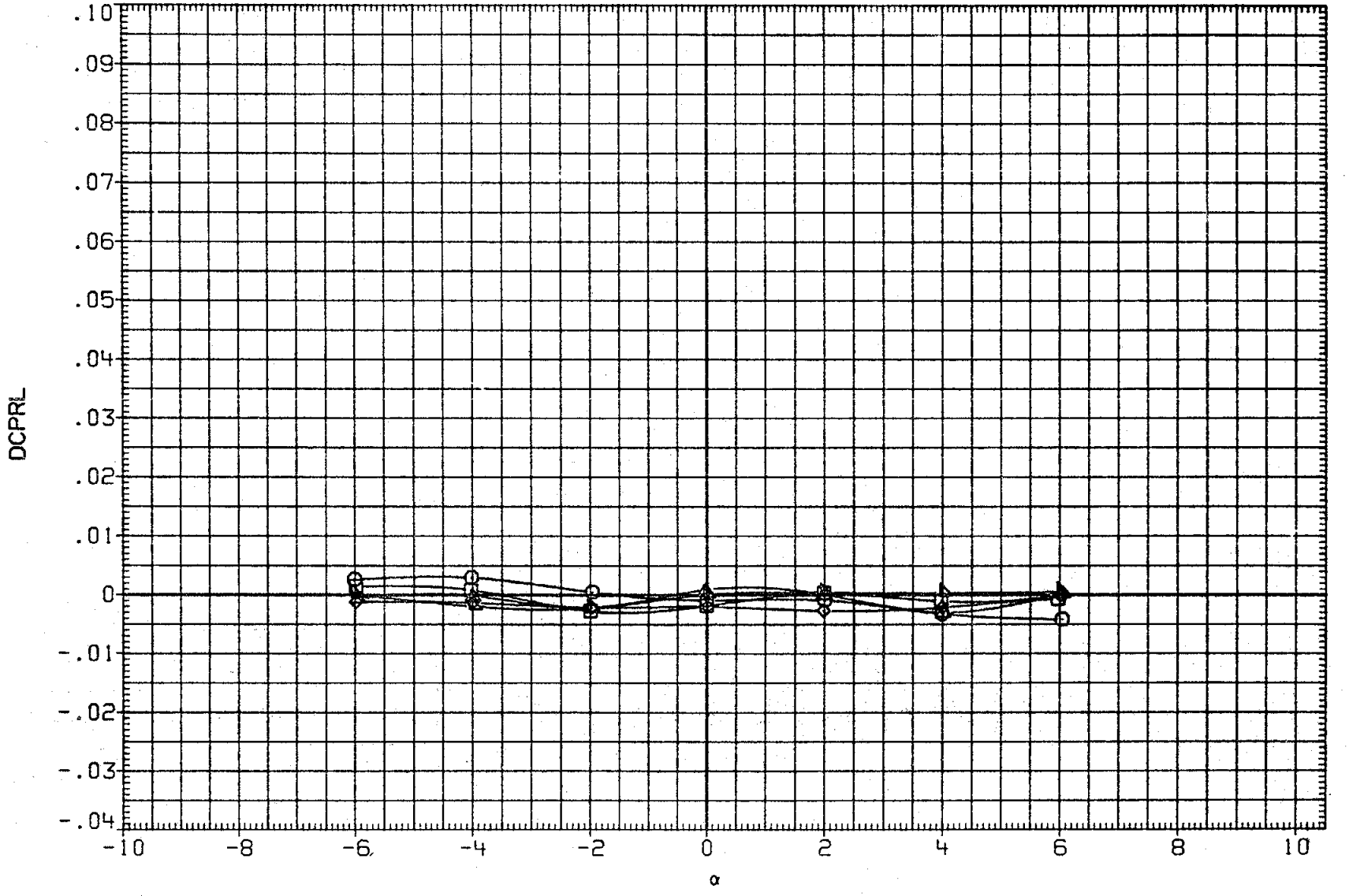

FIG. 12 DCPRL CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

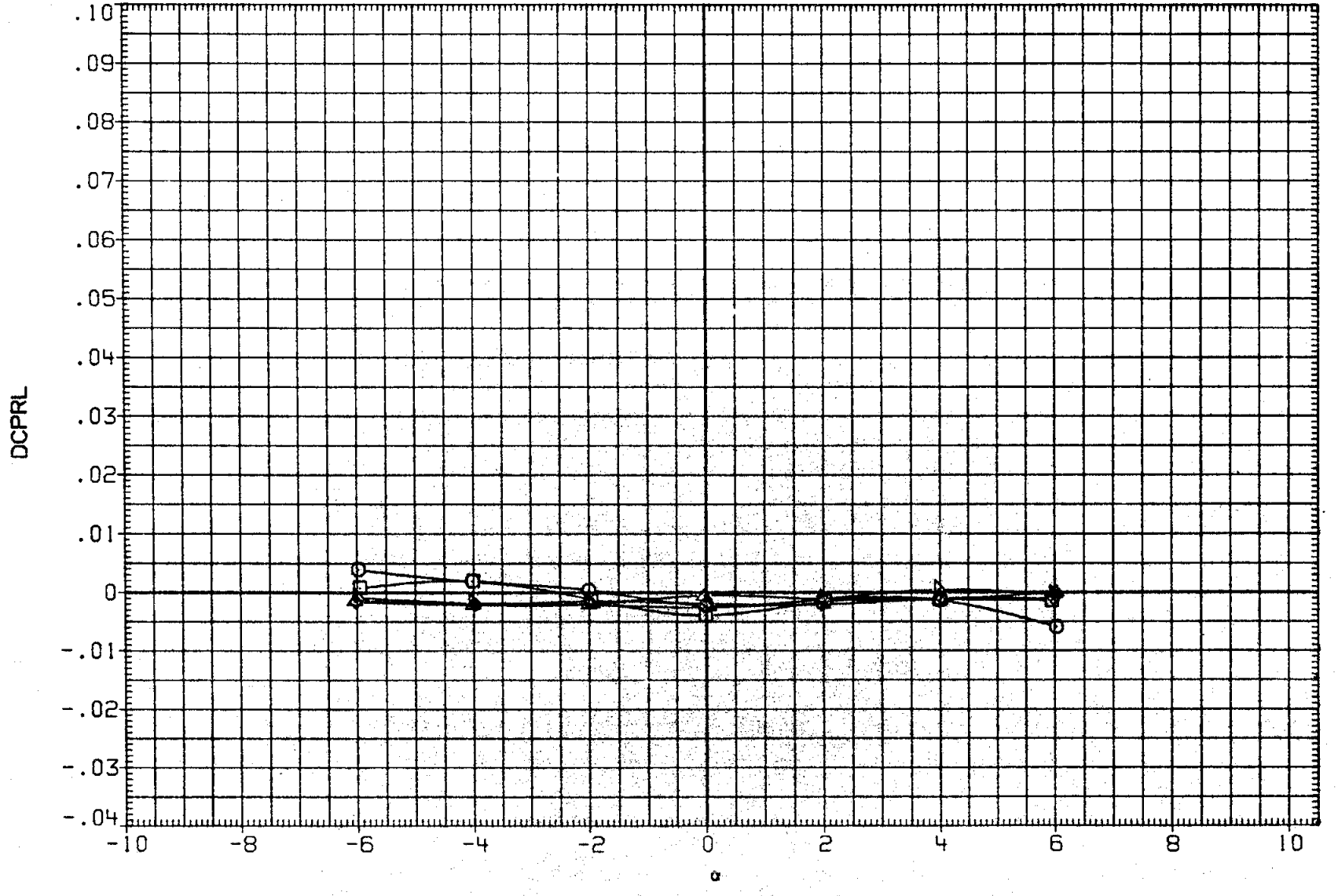

FIG. 12 DCPRL CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

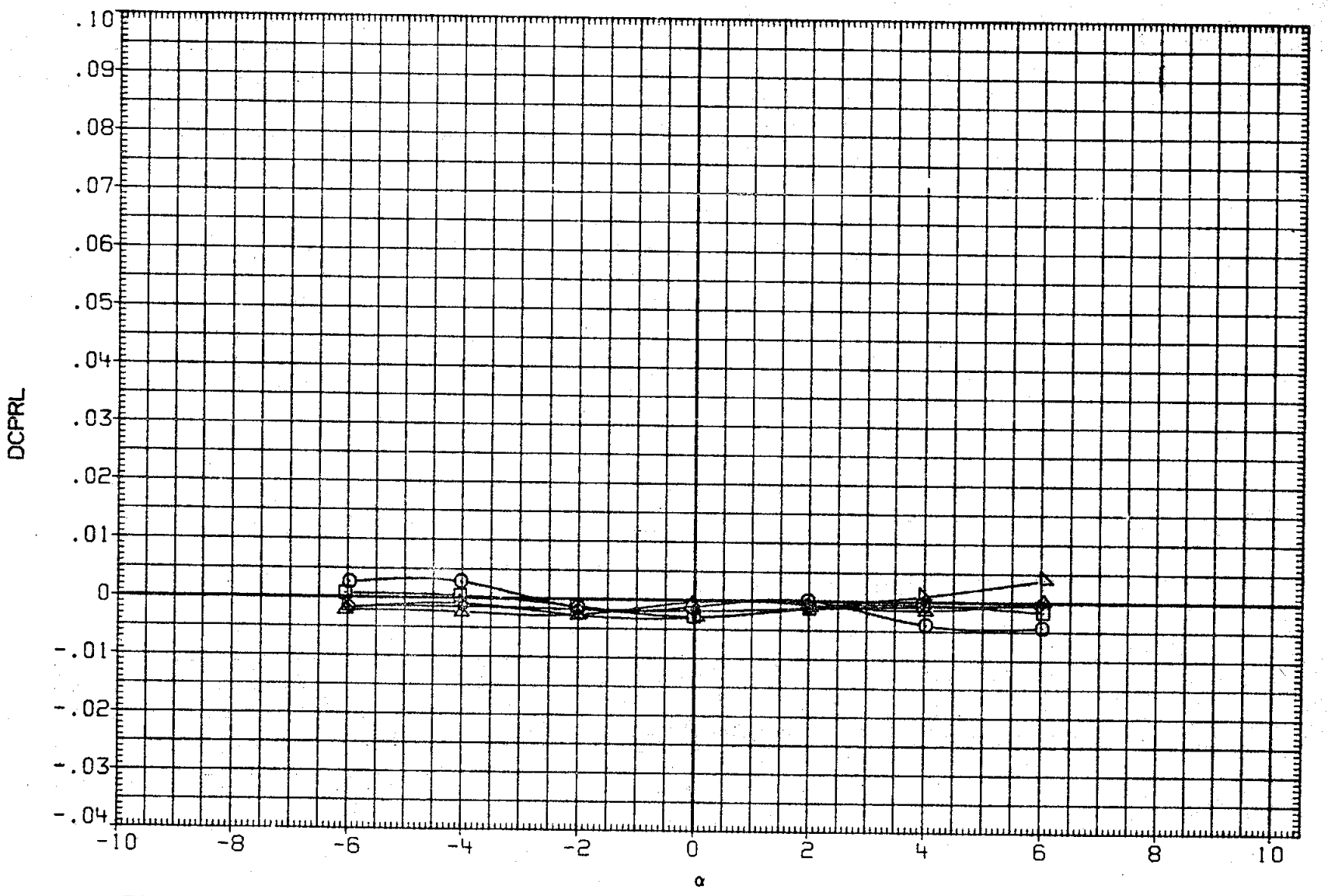

FIG. 12 DCPRL CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

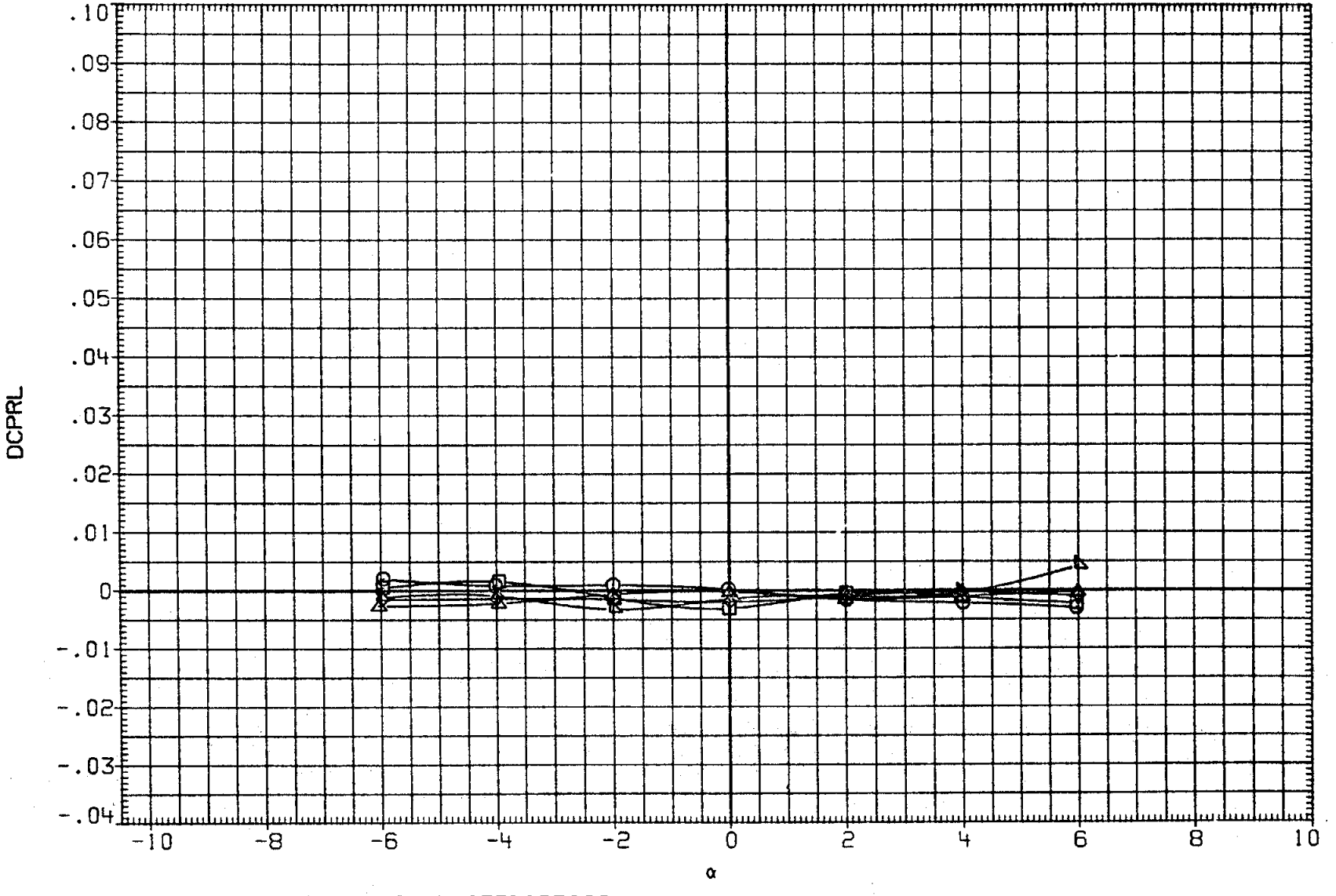

FIG. 12 DCPRL CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

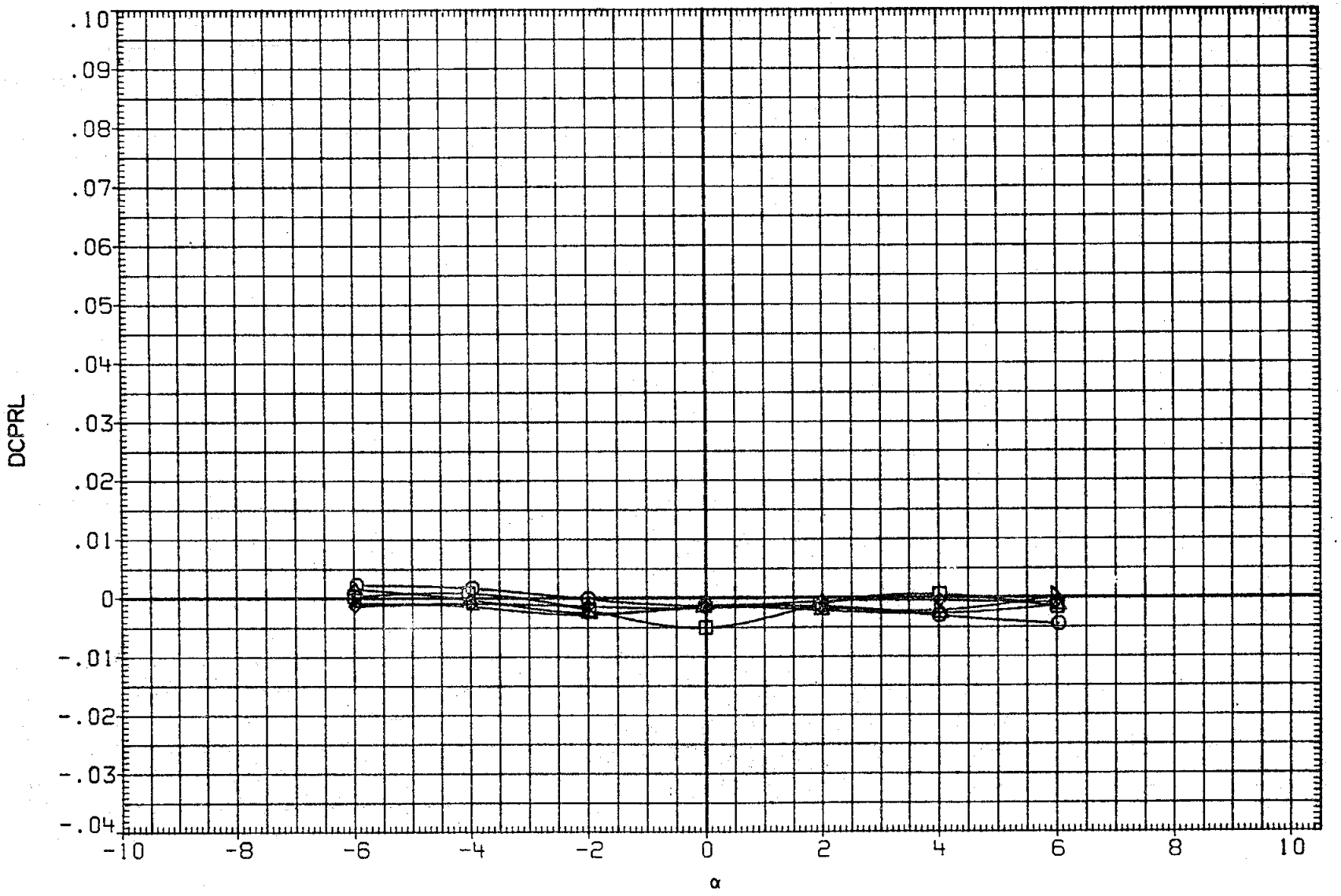

FIG. 12 DCPRL CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

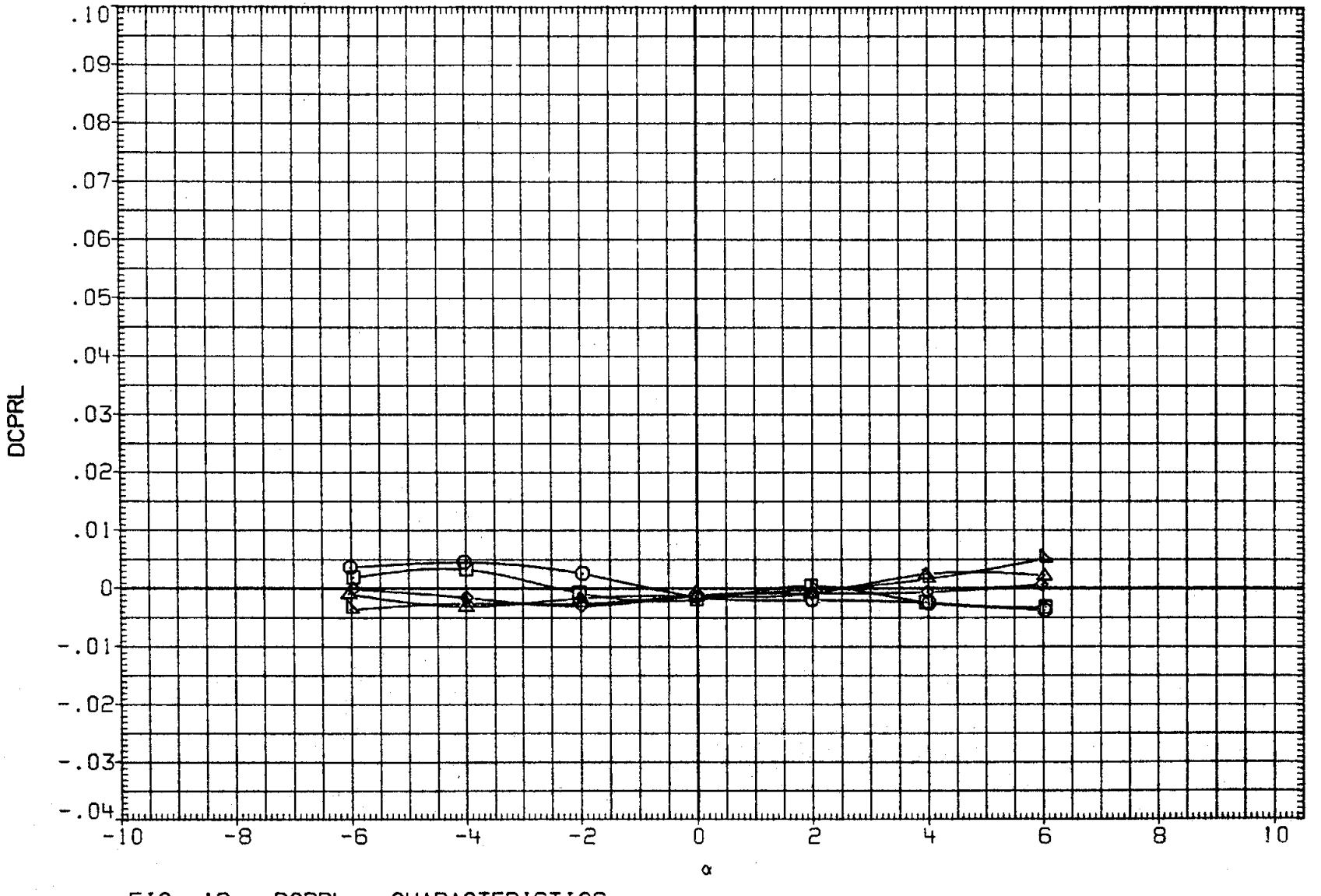

FIG. 12 DCPRL CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

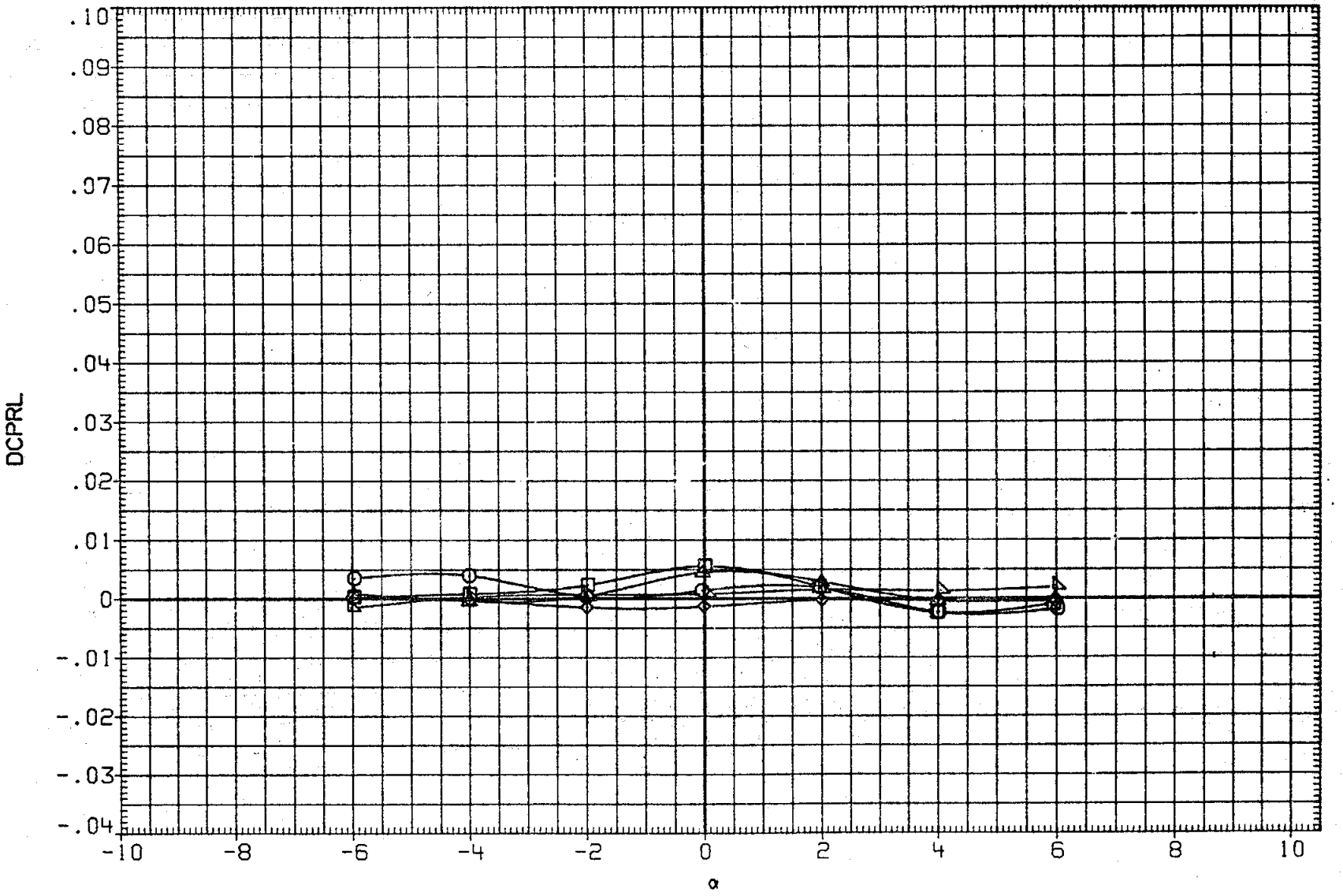

FIG. 12 DCPRL CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

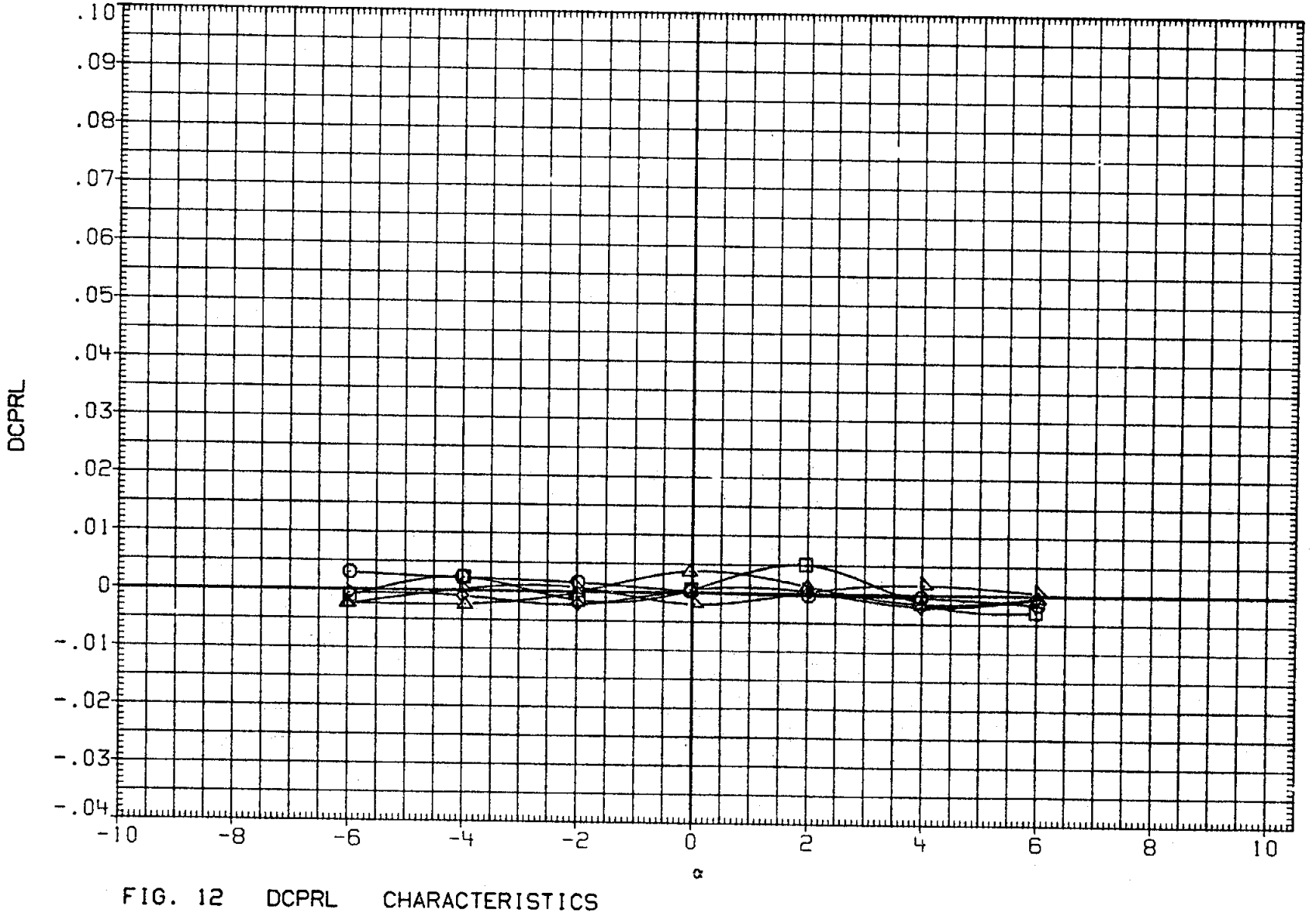

FIG. 12 DCPRL CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

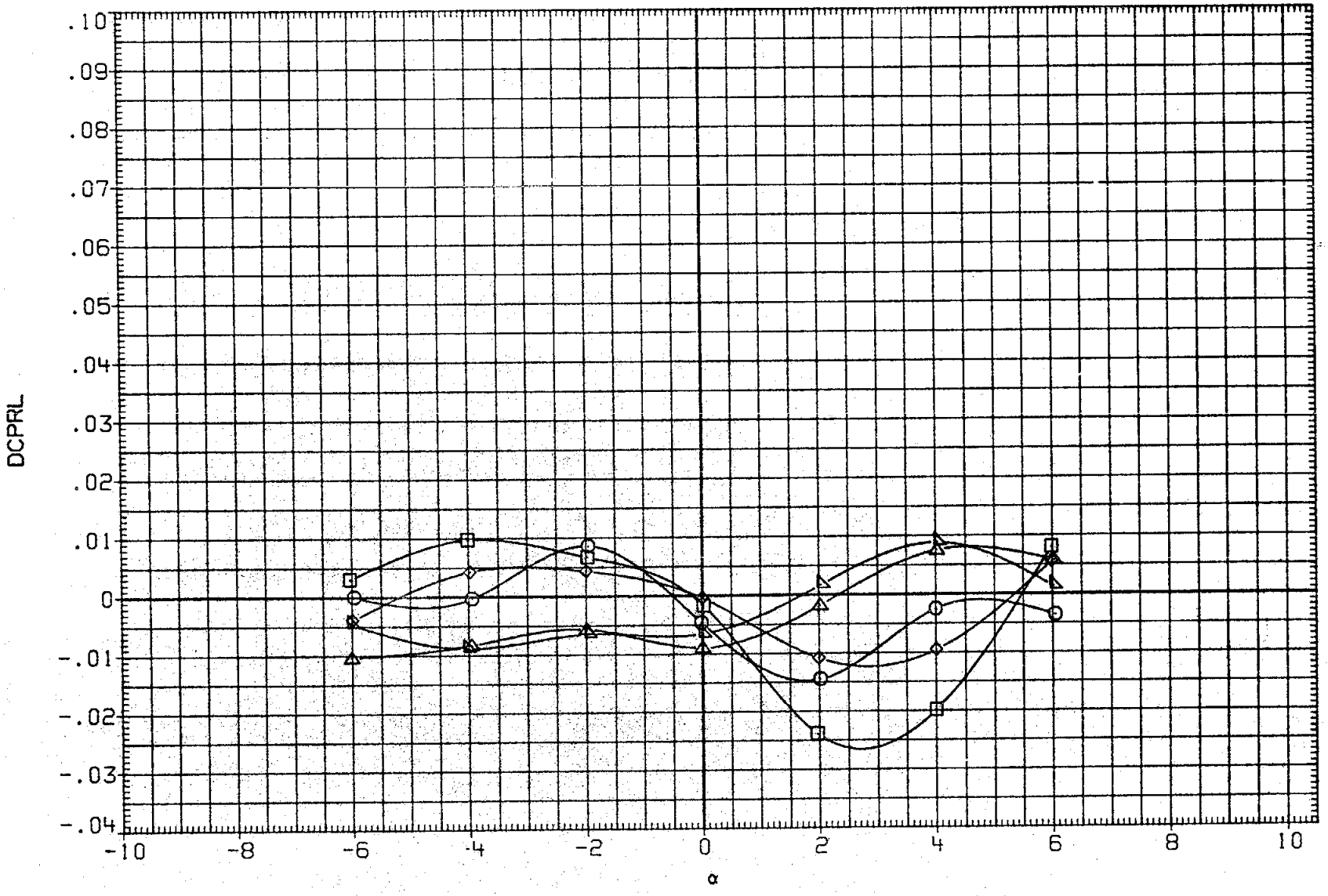

FIG. 12 DCPRL CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

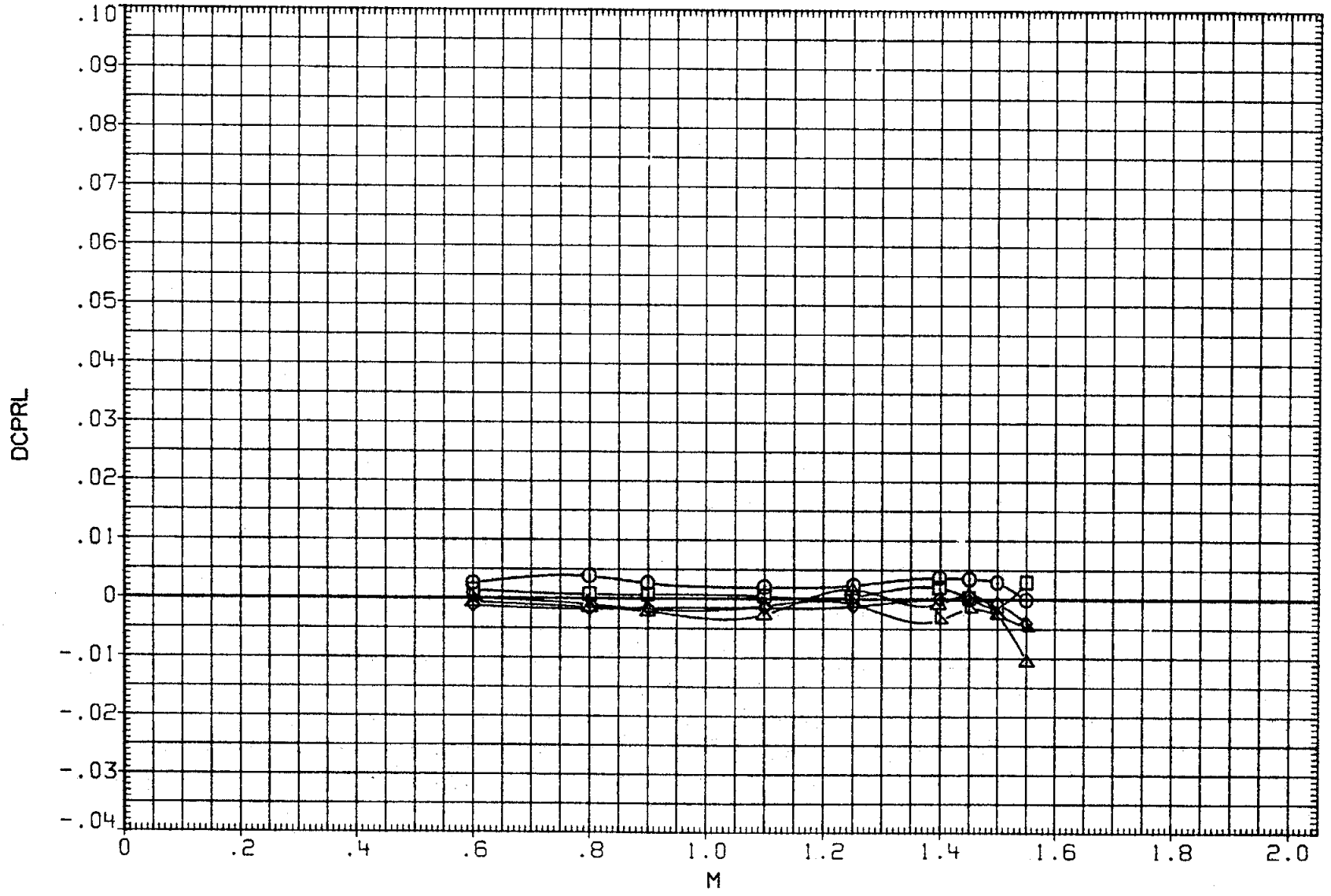

FIG. 12 DCPRL CHARACTERISTICS

(A) ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

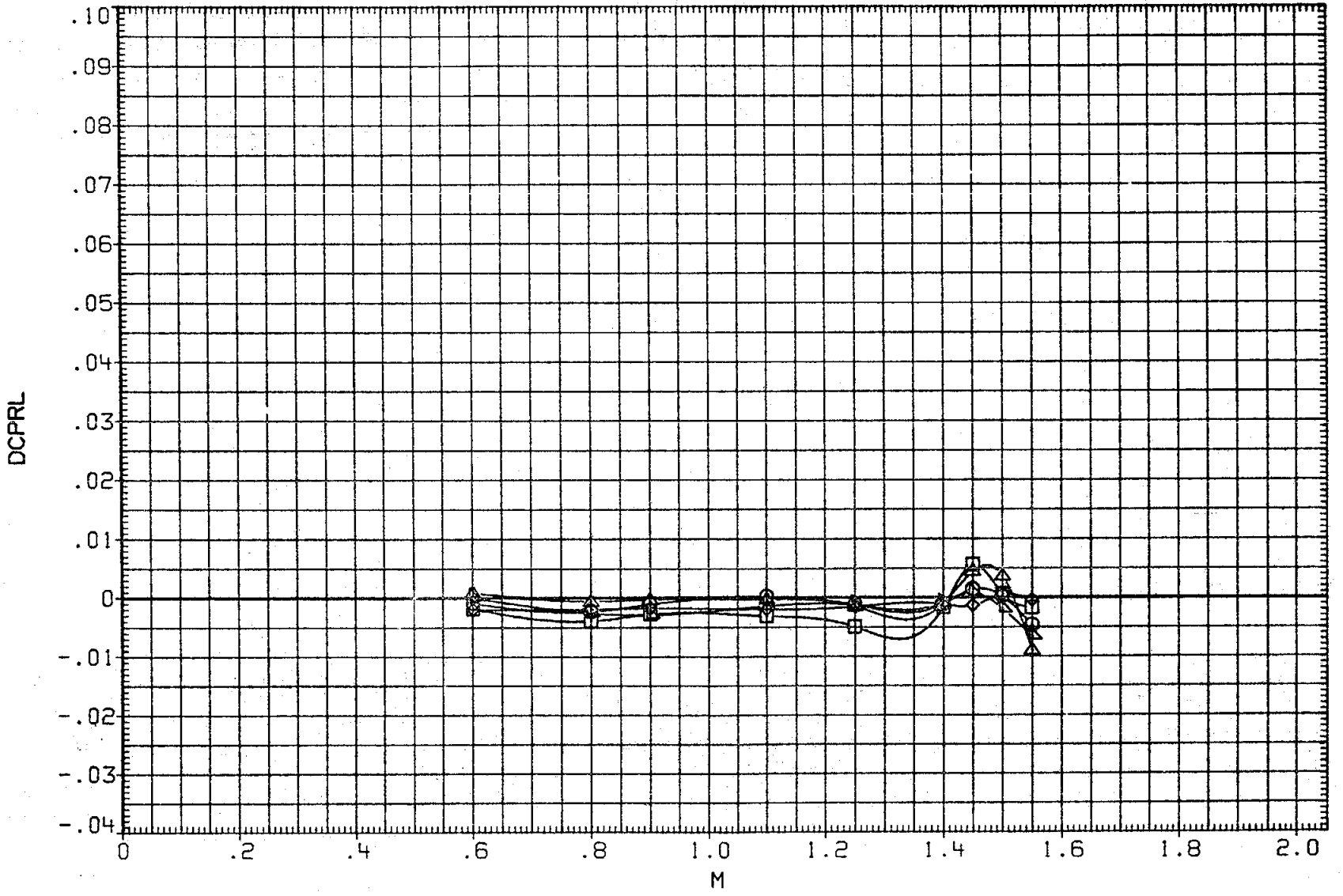

FIG. 12 DCPRL CHARACTERISTICS

(B) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA
C4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
C4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
C4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
C4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
C4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

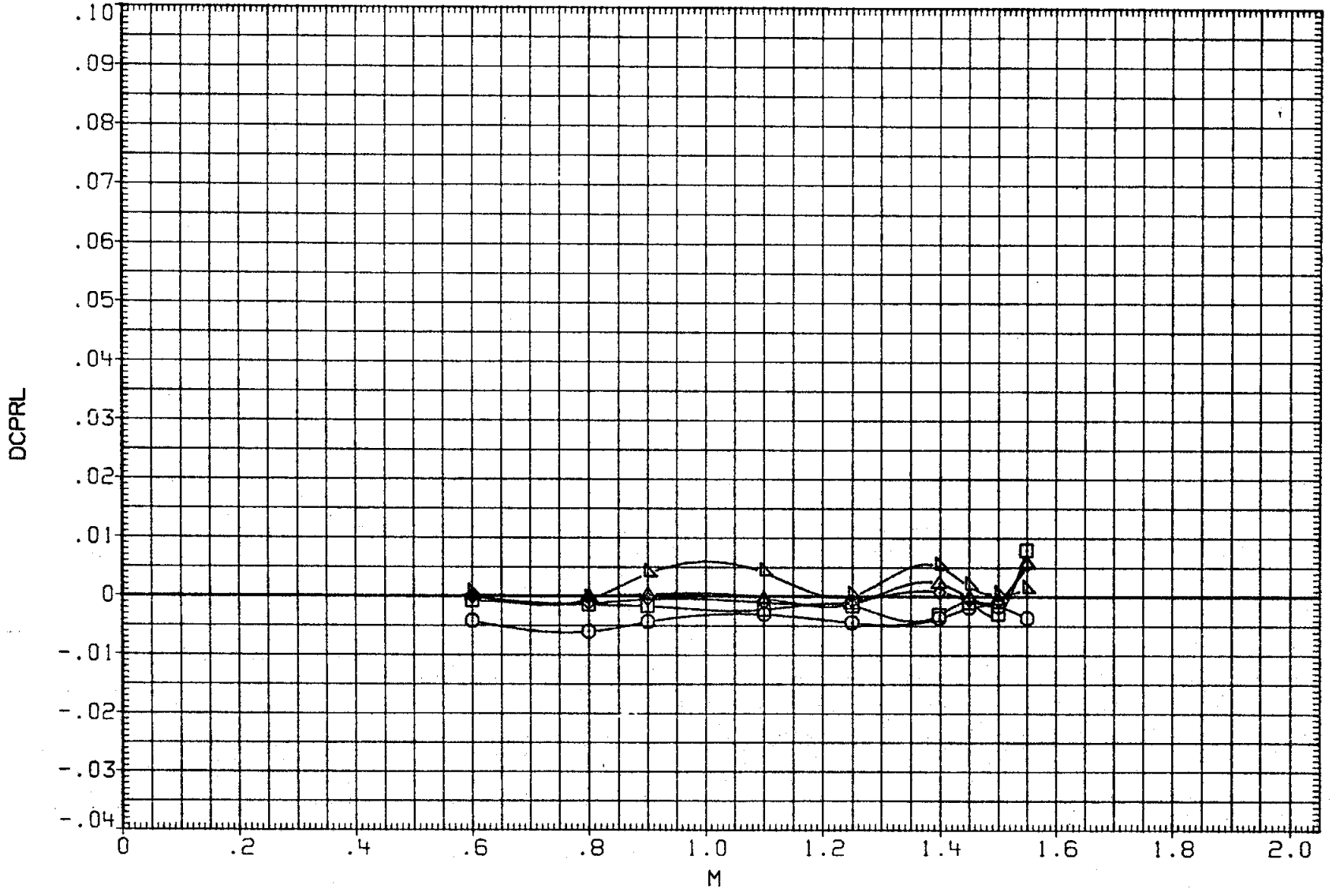

FIG. 12 DCPRL CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

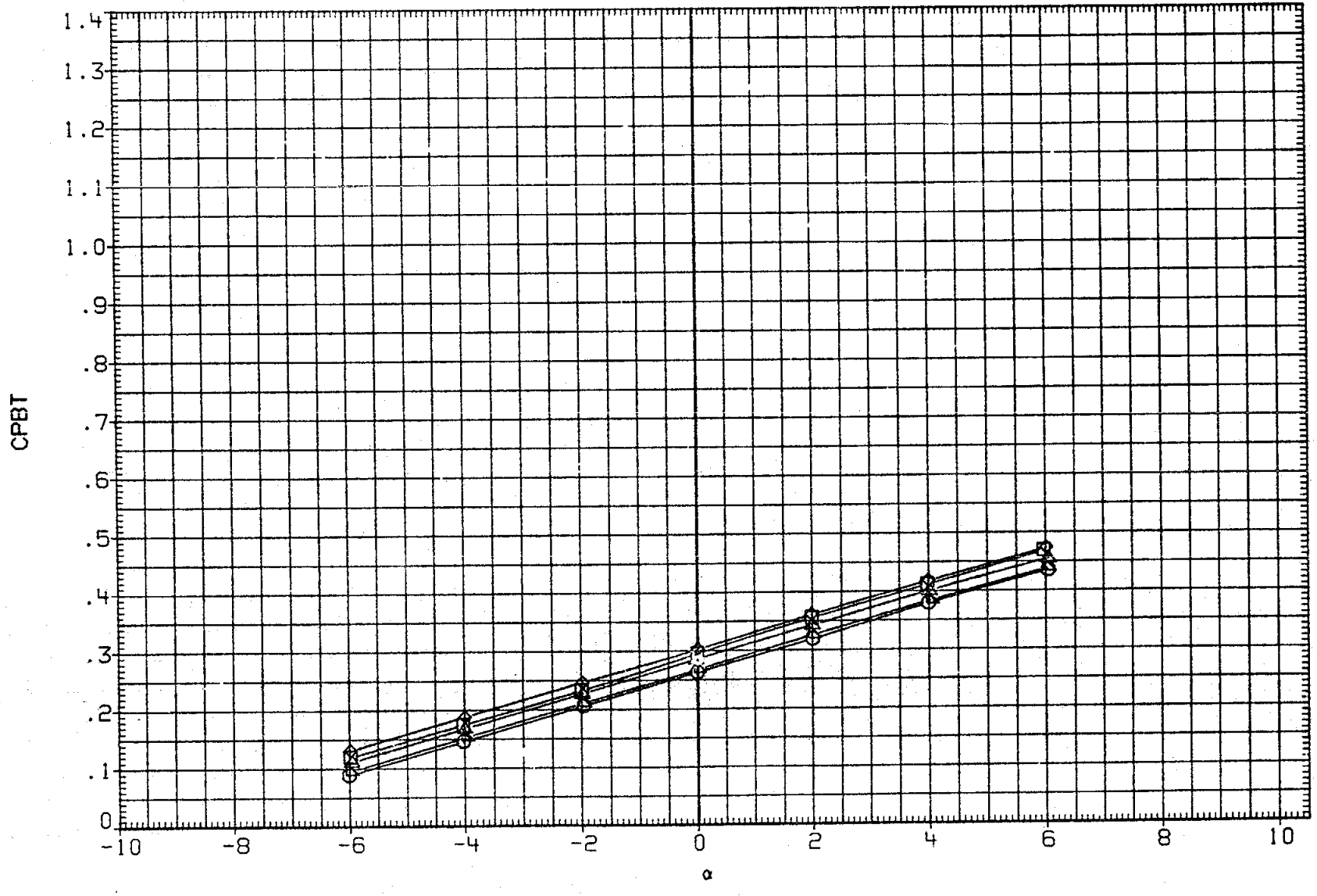

FIG. 13 CPBT CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

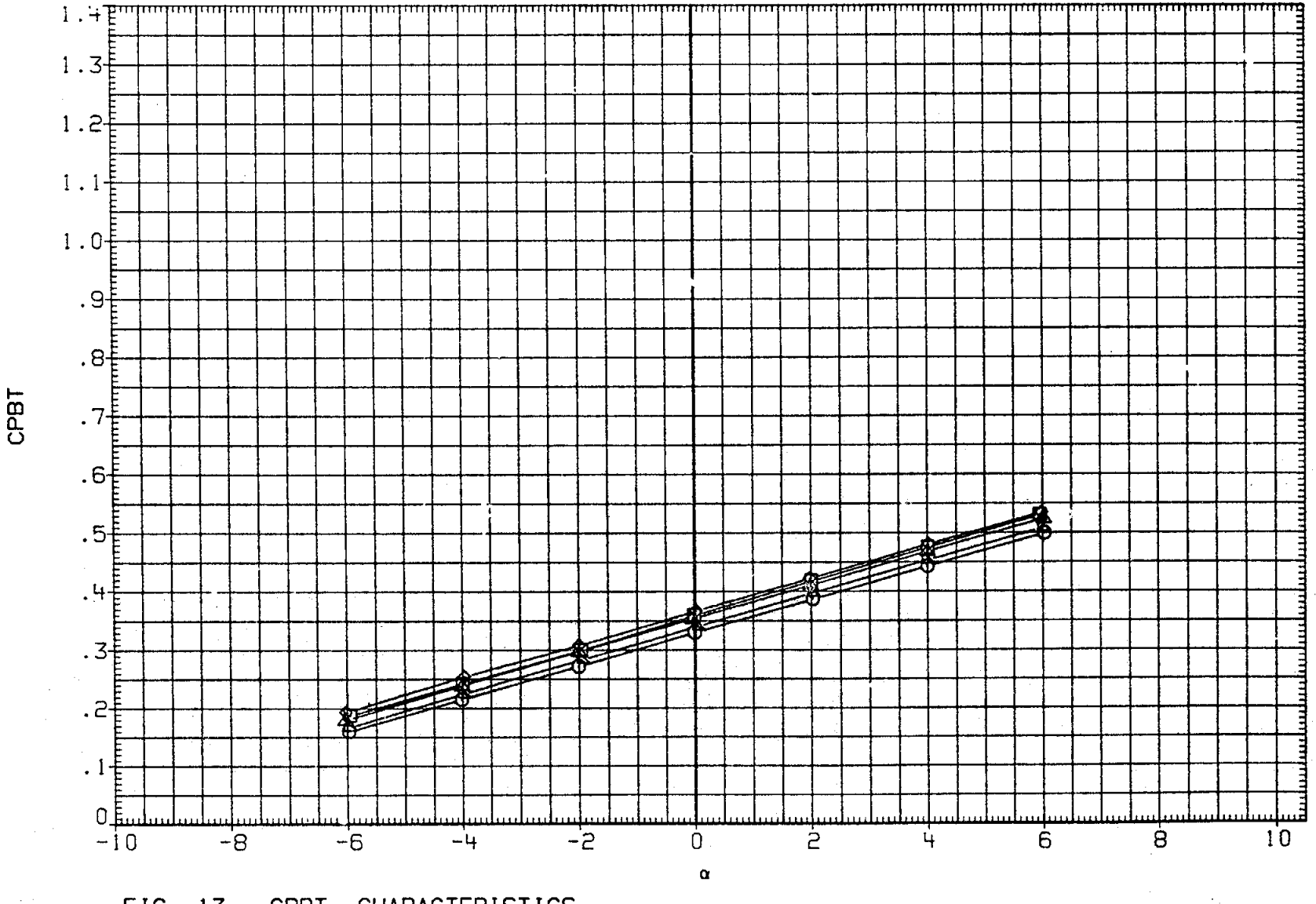

FIG. 13 CPBT CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

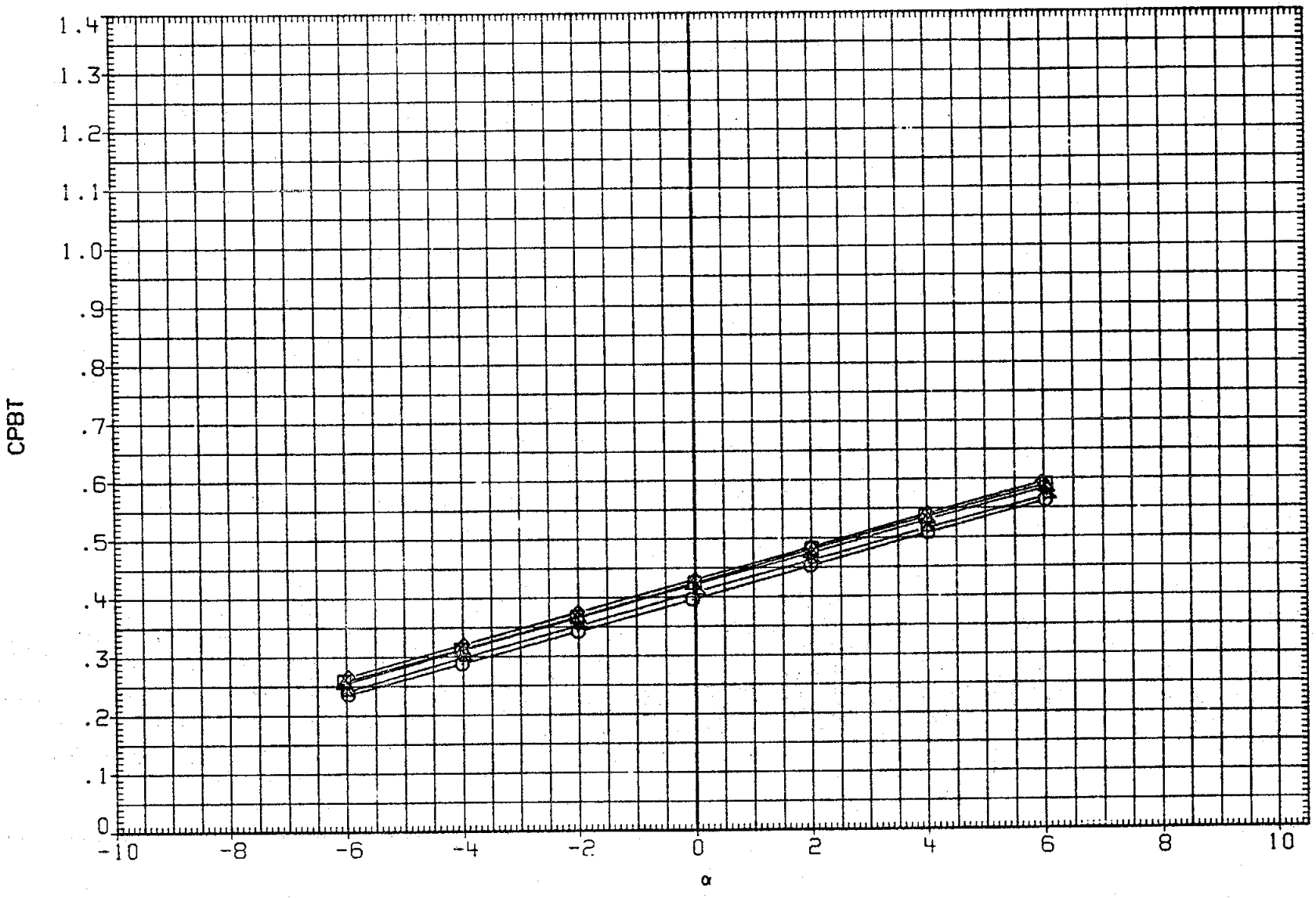

FIG. 13 CPBT CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

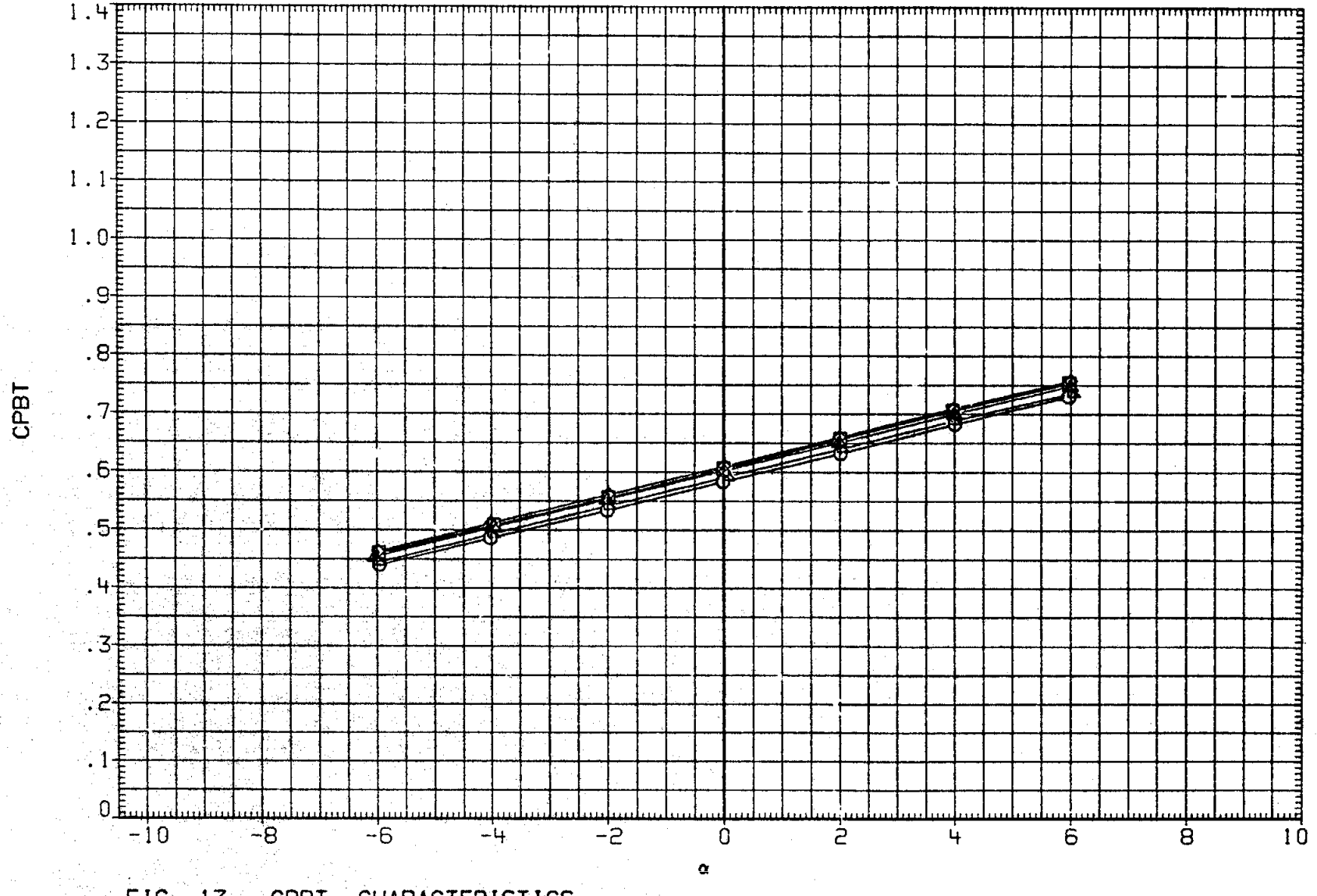

FIG. 13 CPBT CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

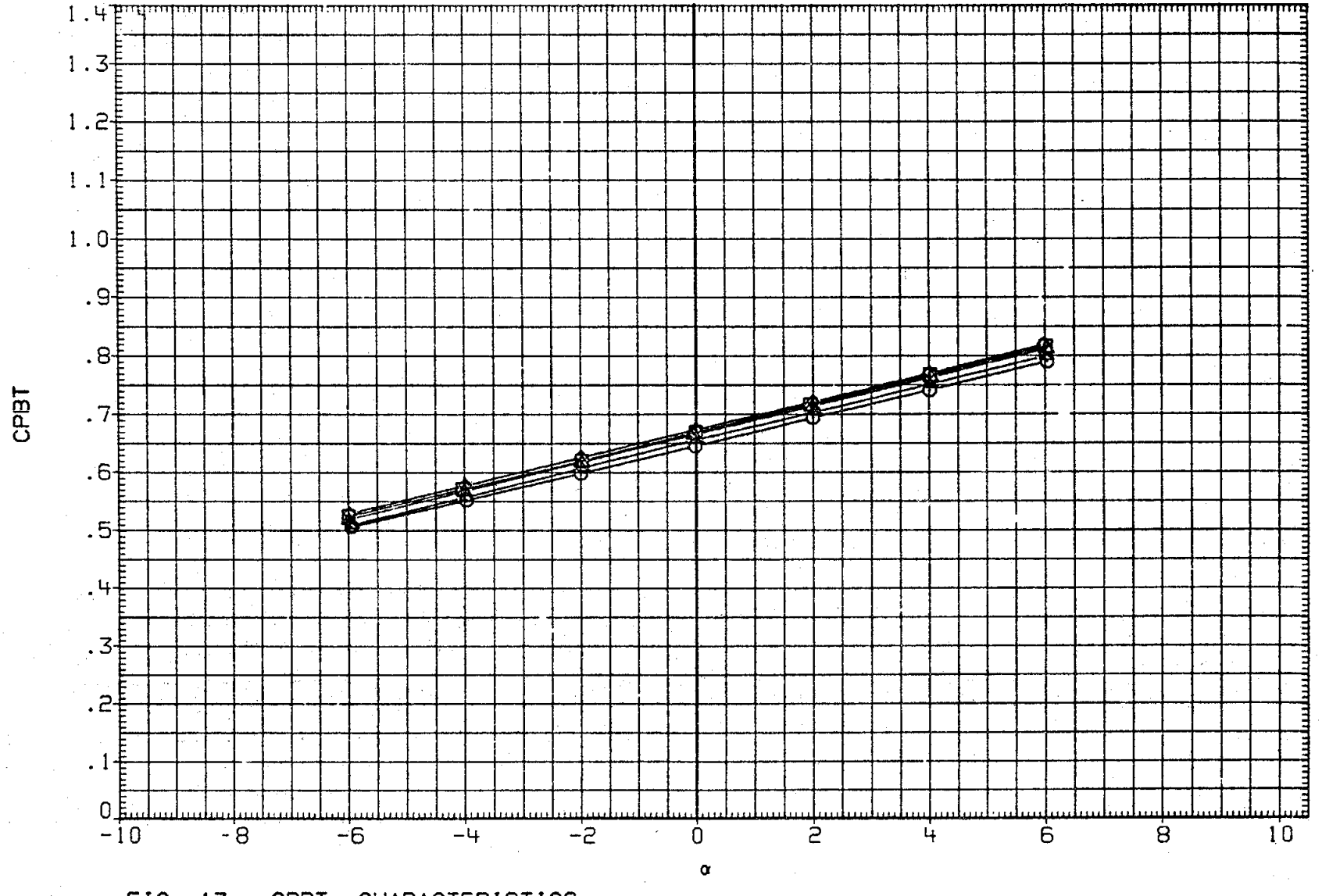

FIG. 13 CPBT CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

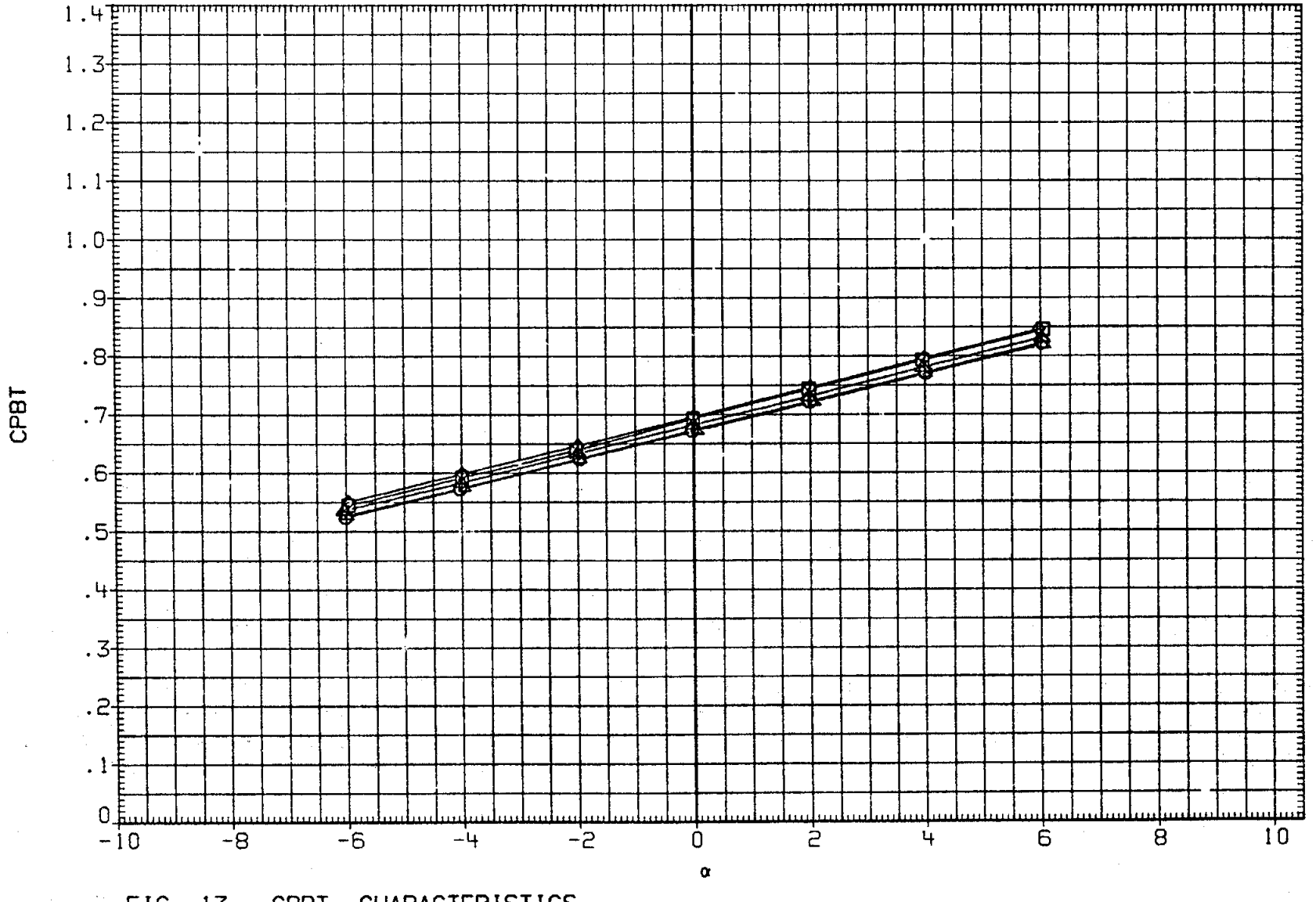

FIG. 13 CPBT CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

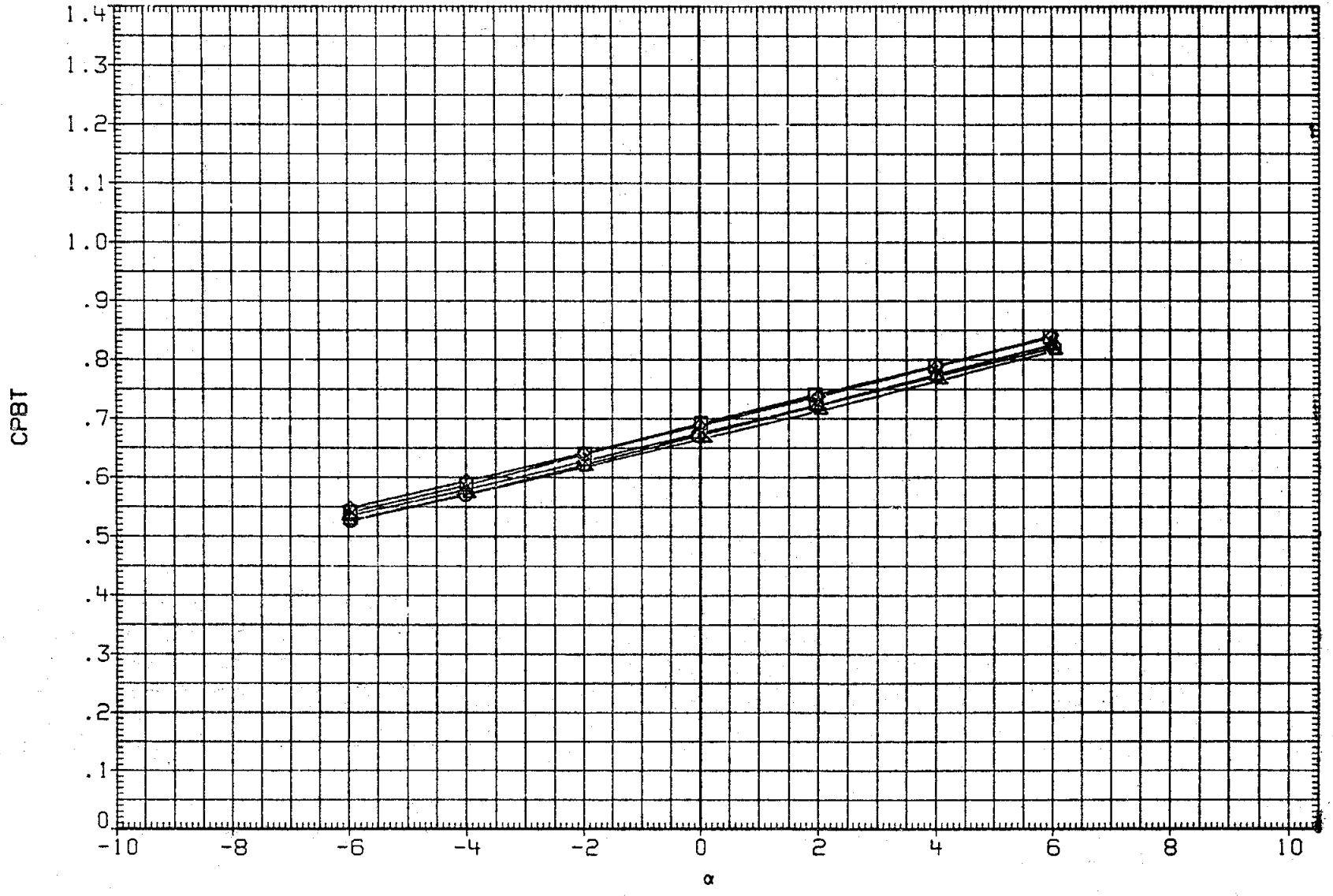

FIG. 13 CPBT CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

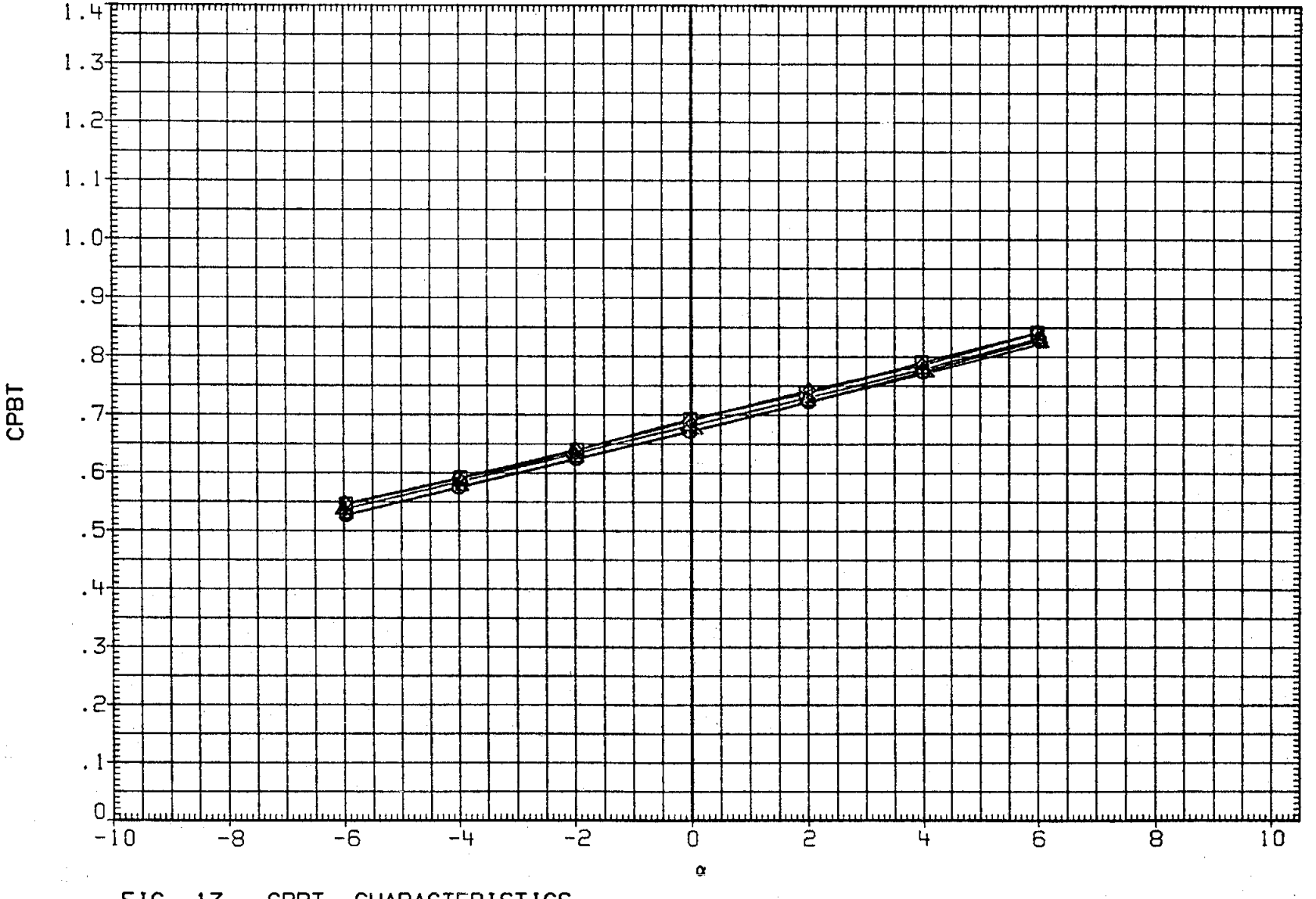

FIG. 13 CPBT CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

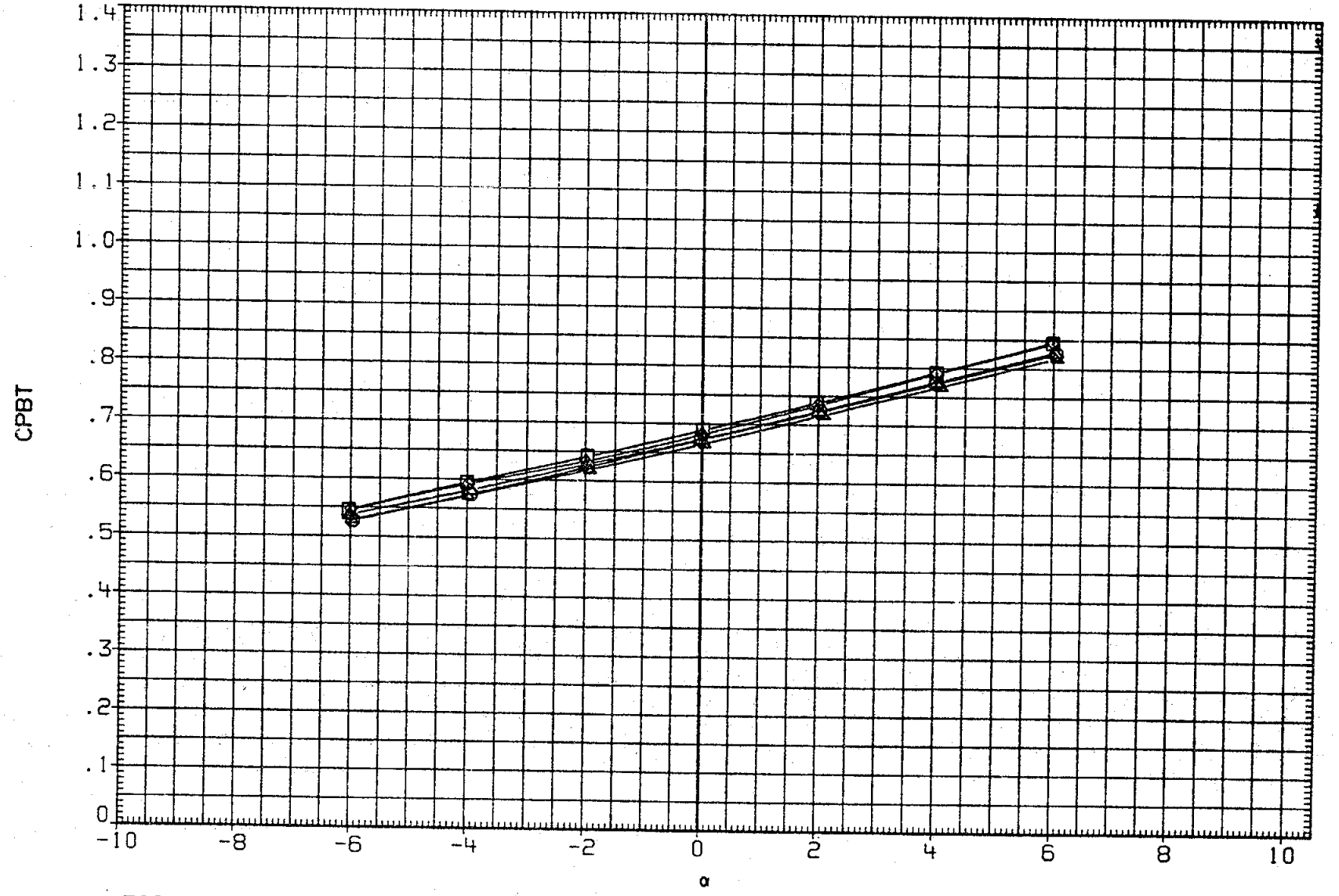

FIG. 13 CPBT CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

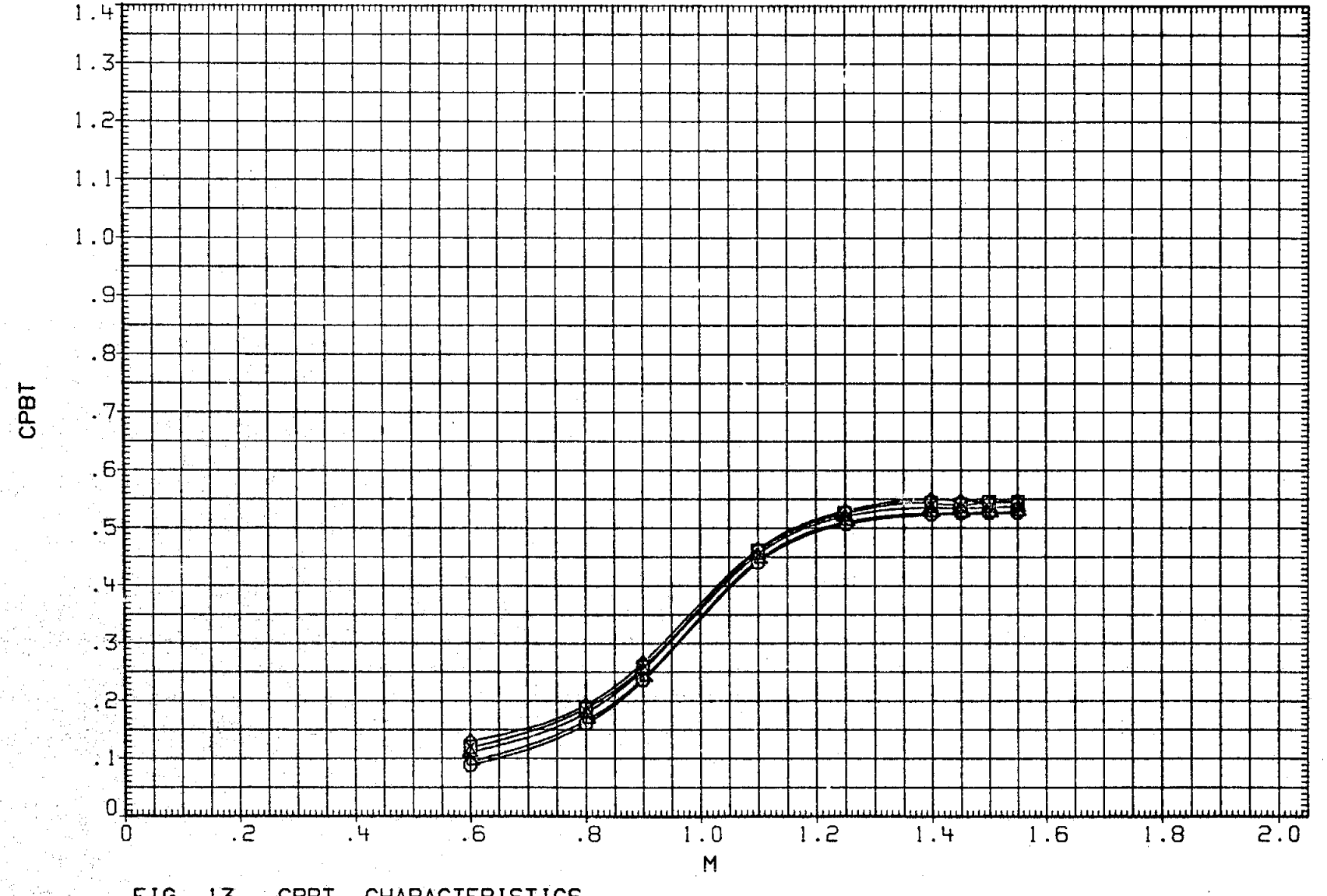

FIG. 13 CPBT CHARACTERISTICS

(A) ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

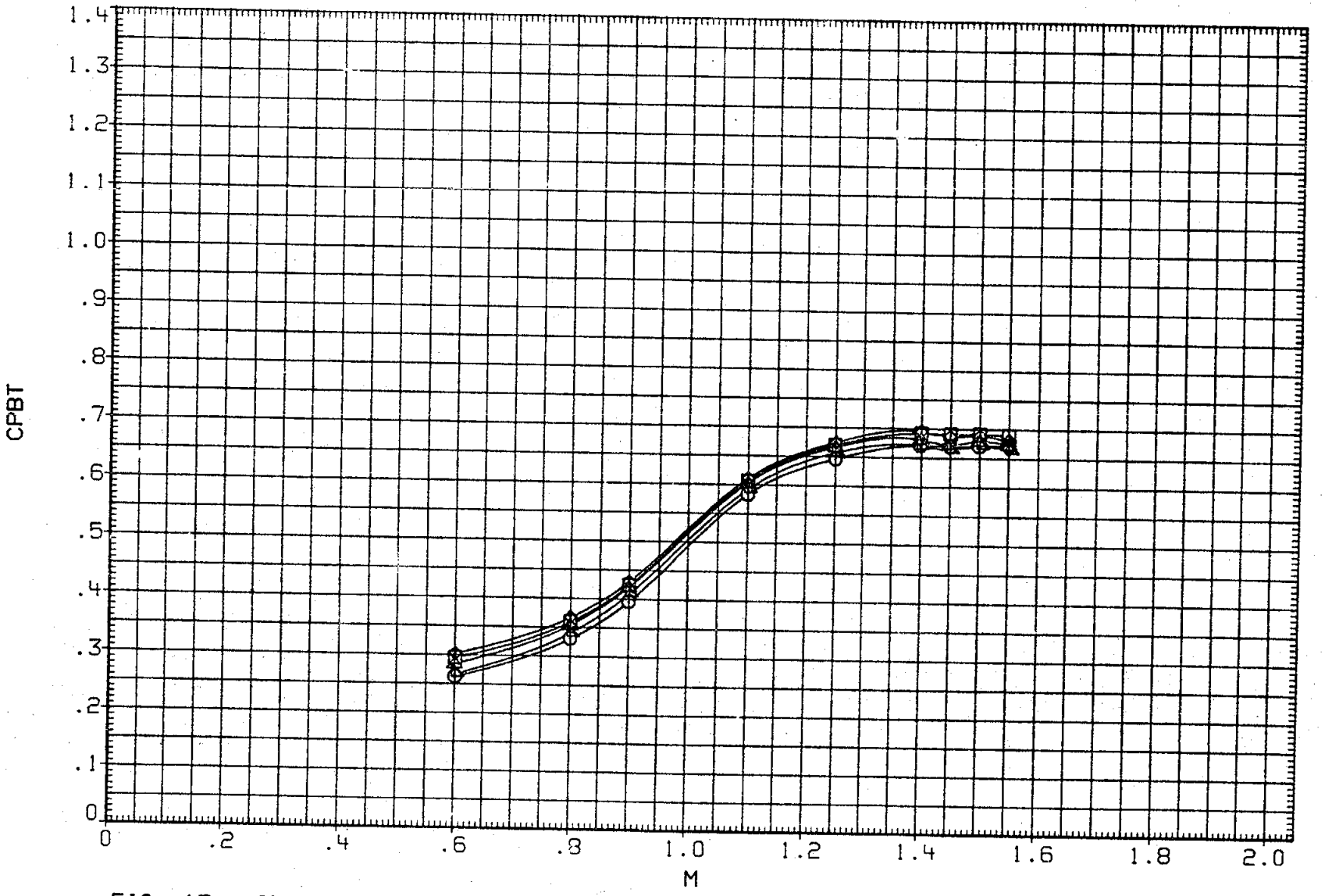

FIG. 13 CPBT CHARACTERISTICS

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

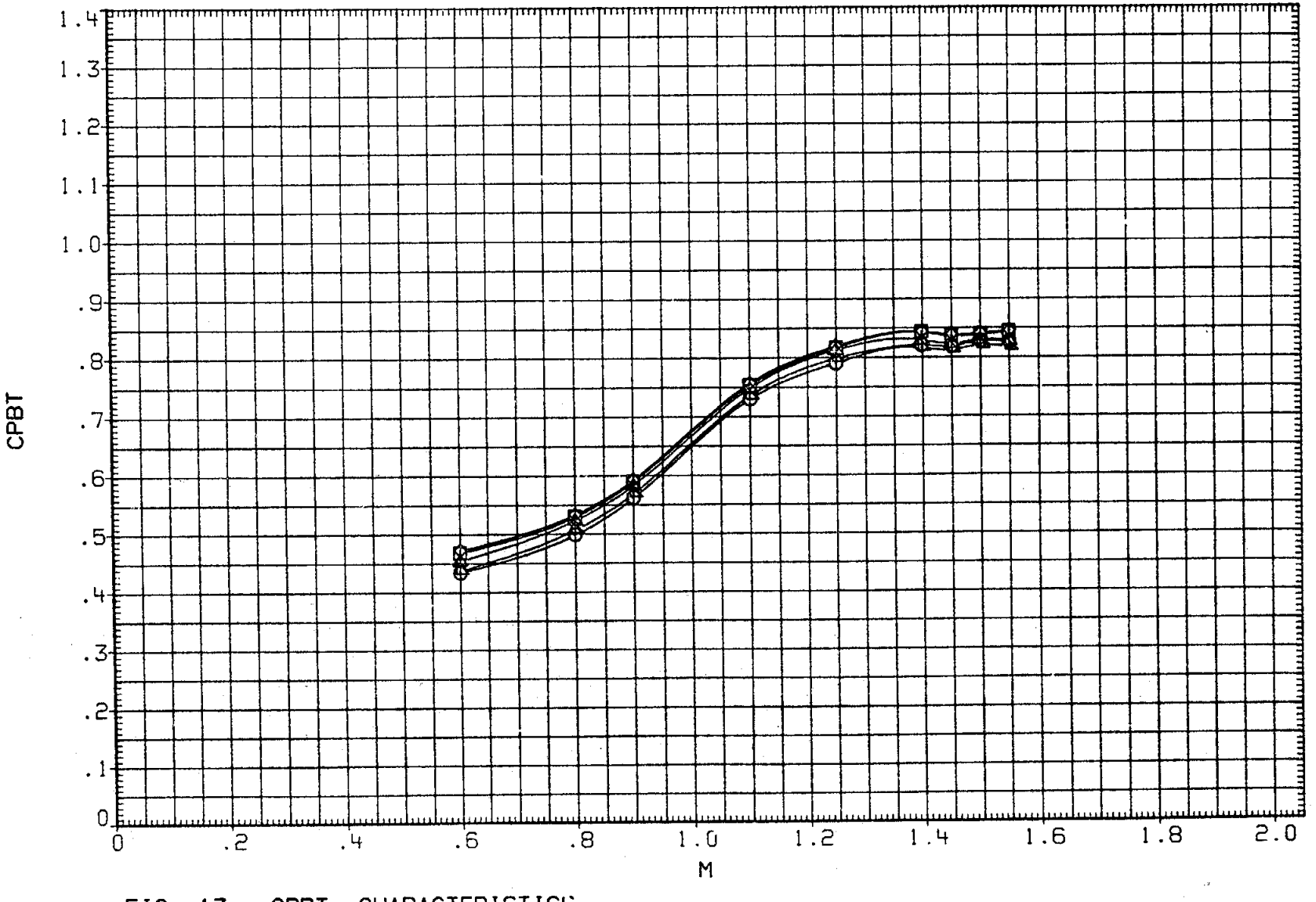

FIG. 13 CPBT CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

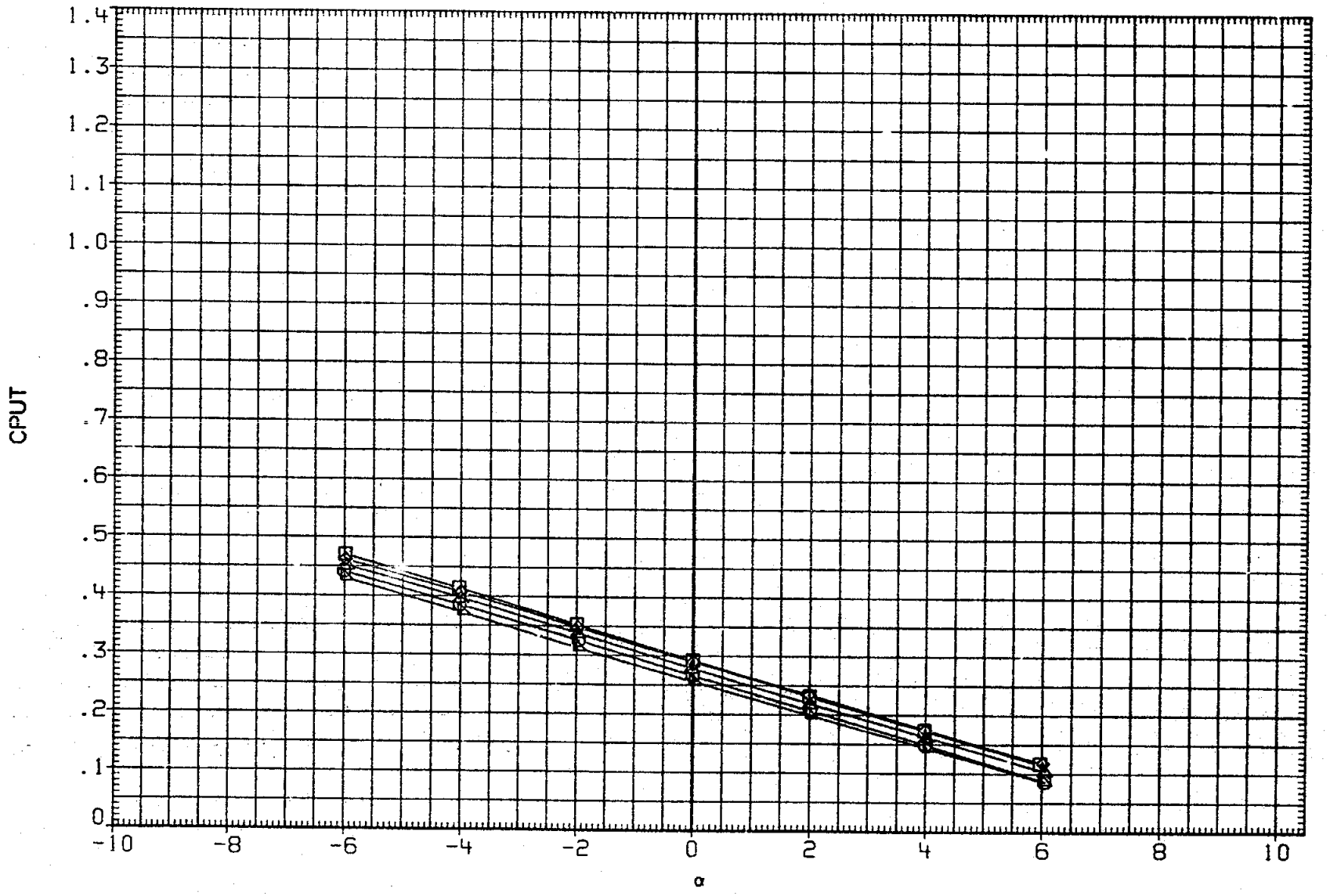

FIG. 14 CPUT CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

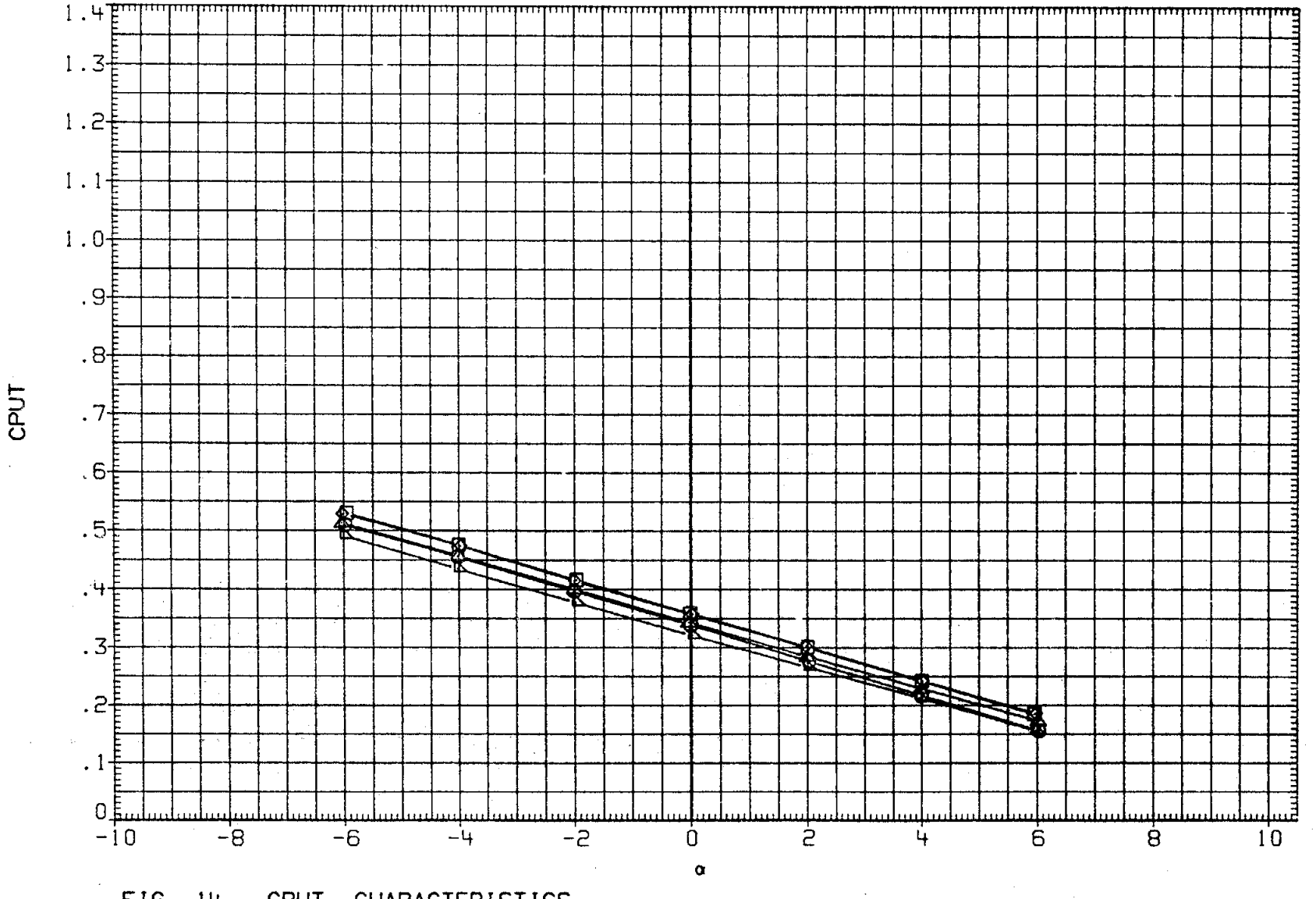

FIG. 14 CPUT CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

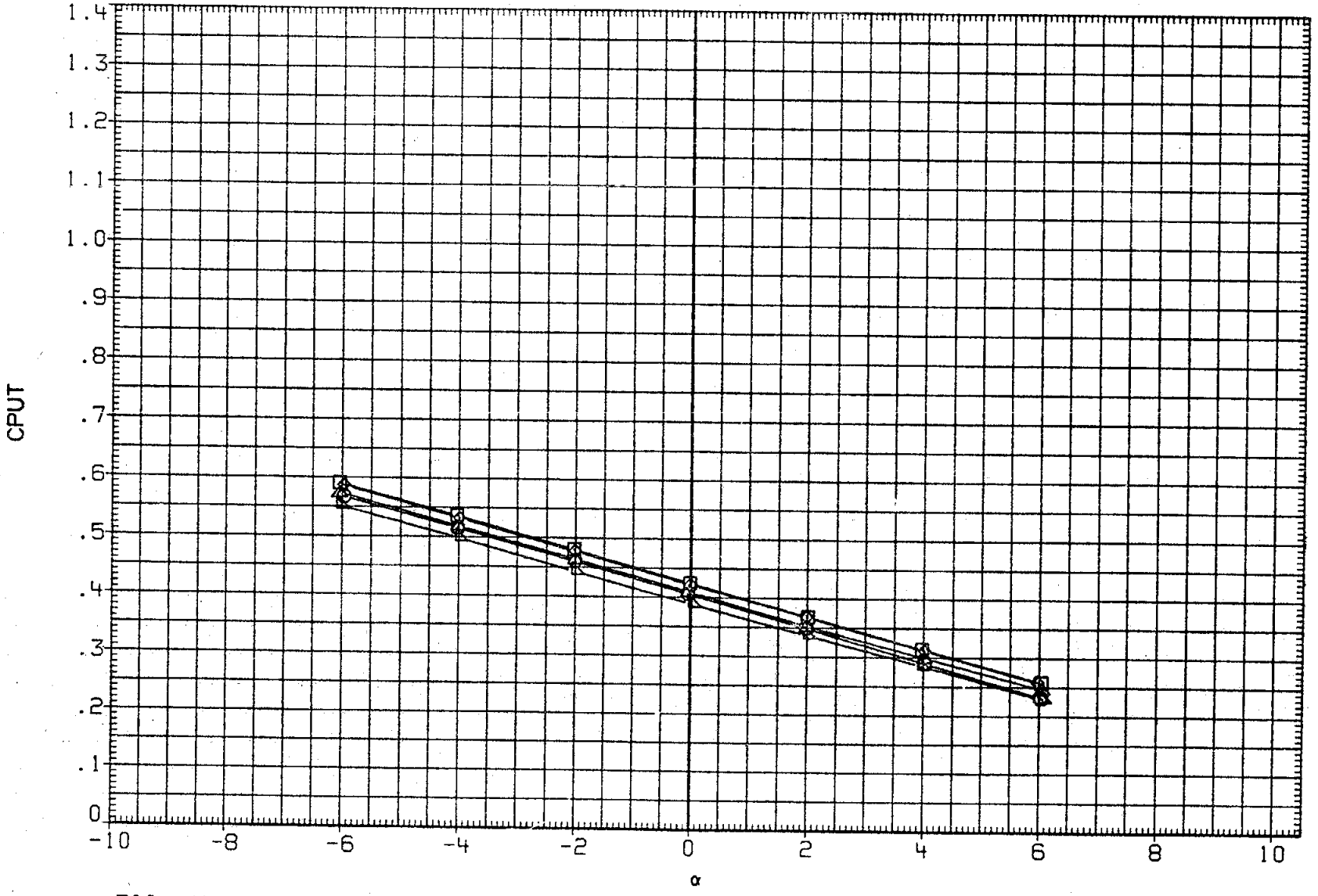

FIG. 14 CPUT CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

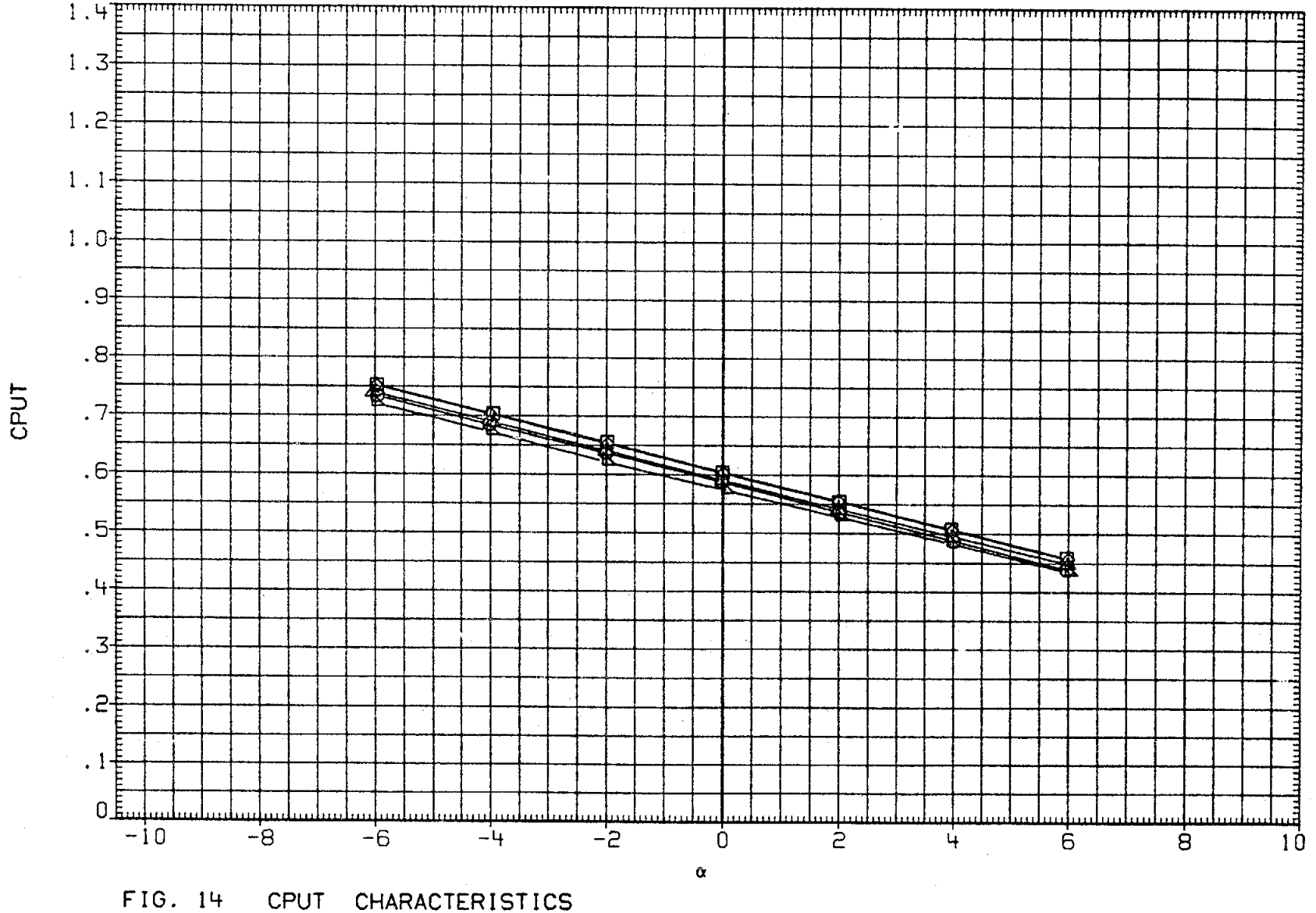

FIG. 14 CPUT CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

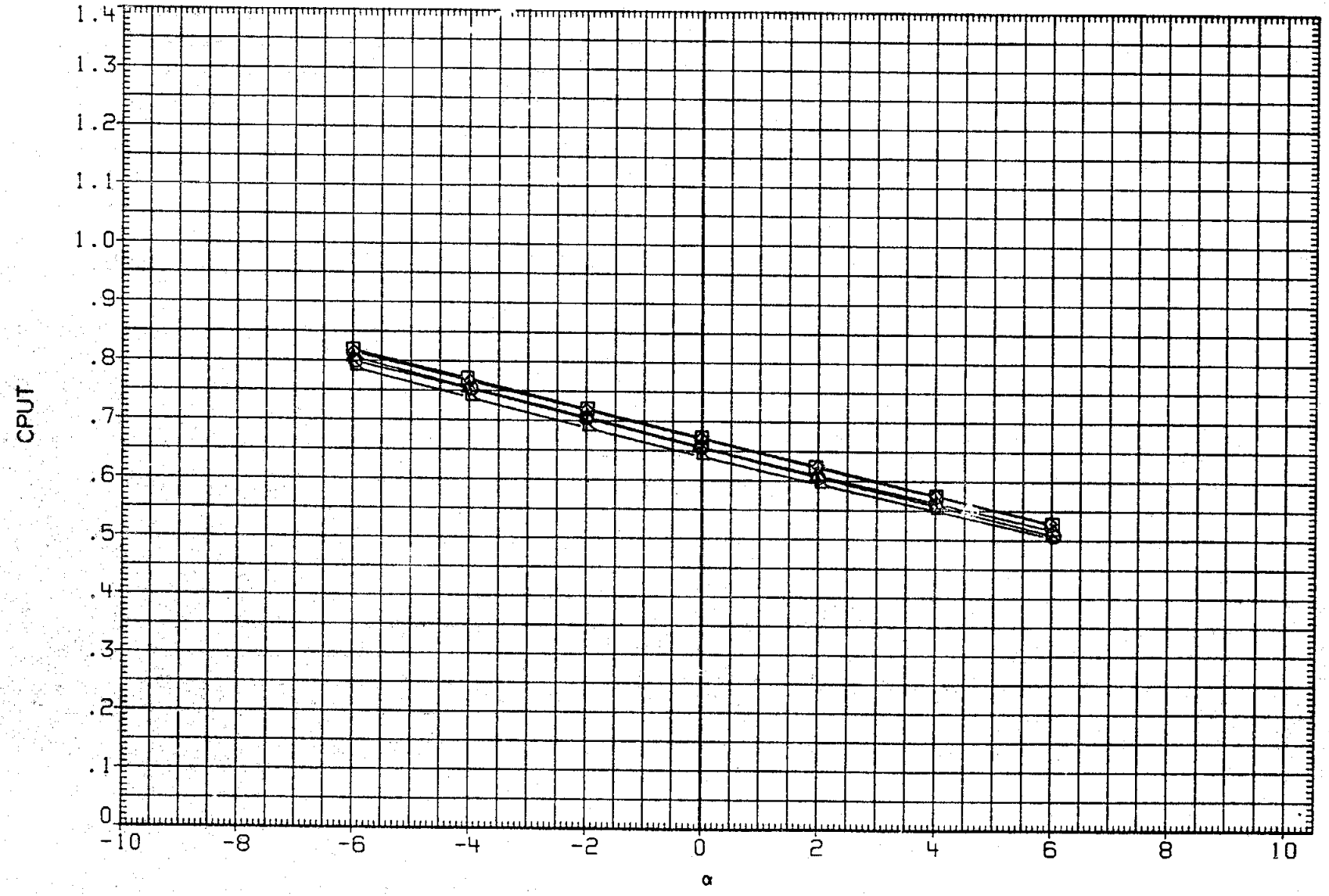

FIG. 14 CPUT CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

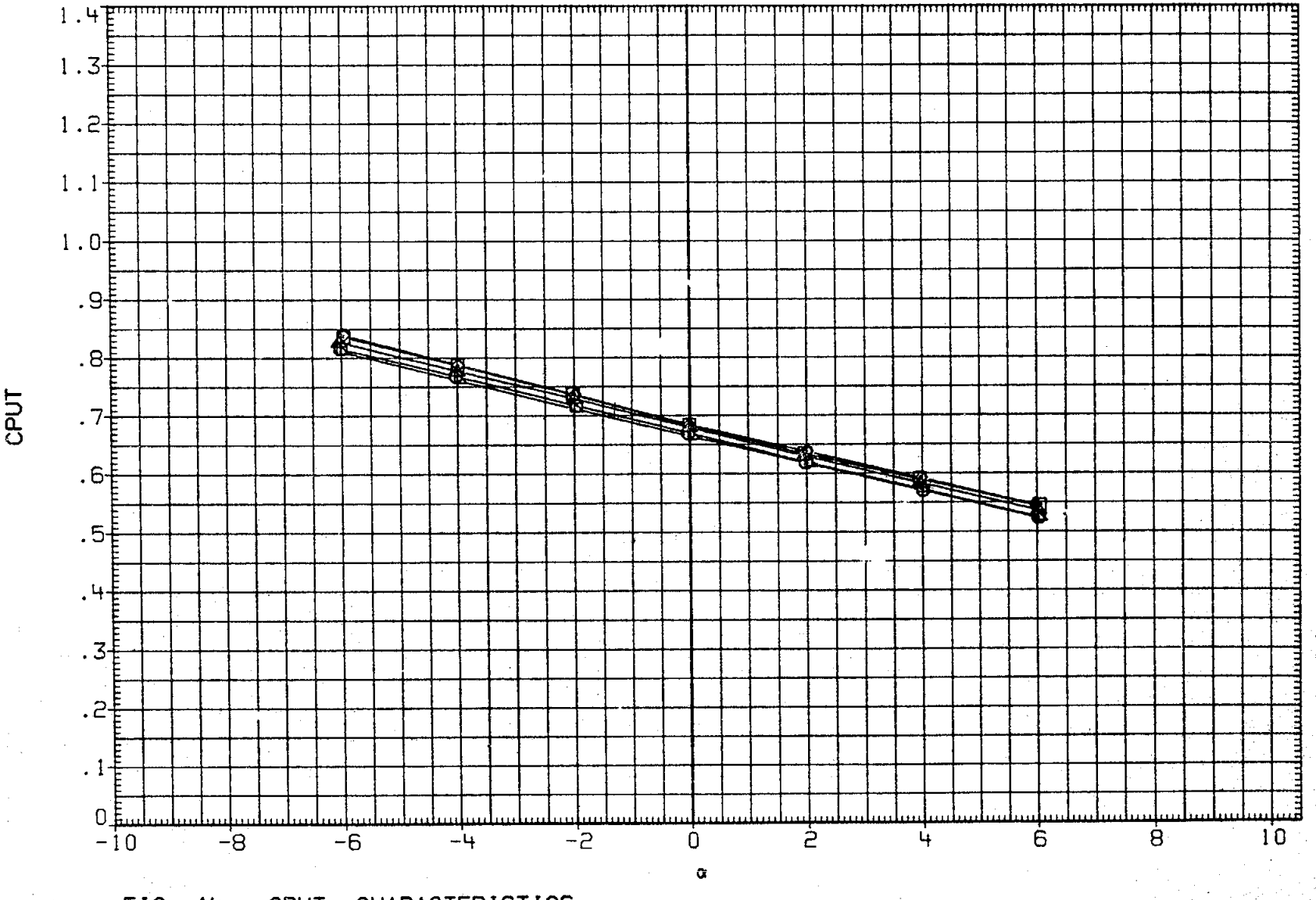

FIG. 14 CPUT CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

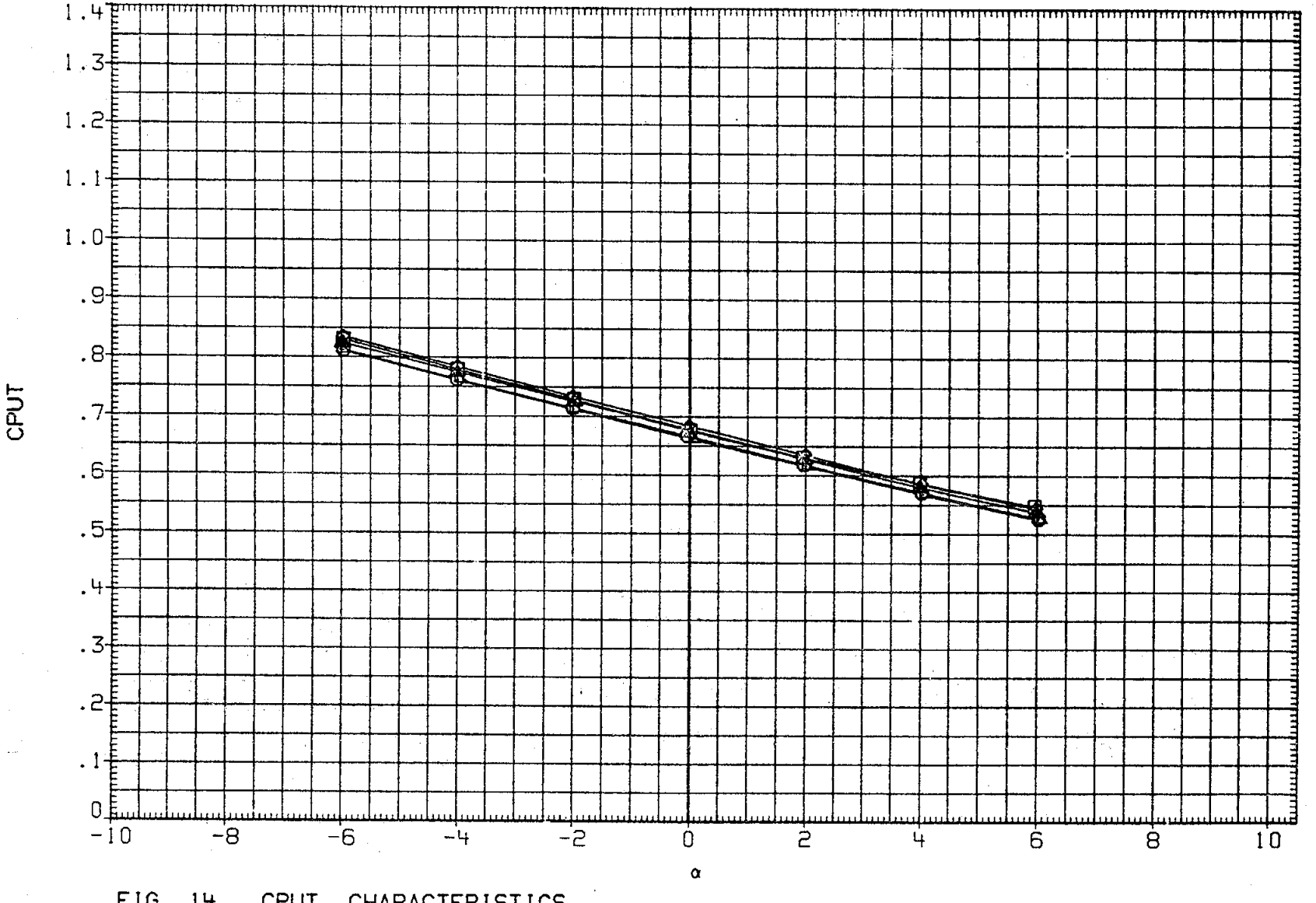

FIG. 14 CPUT CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

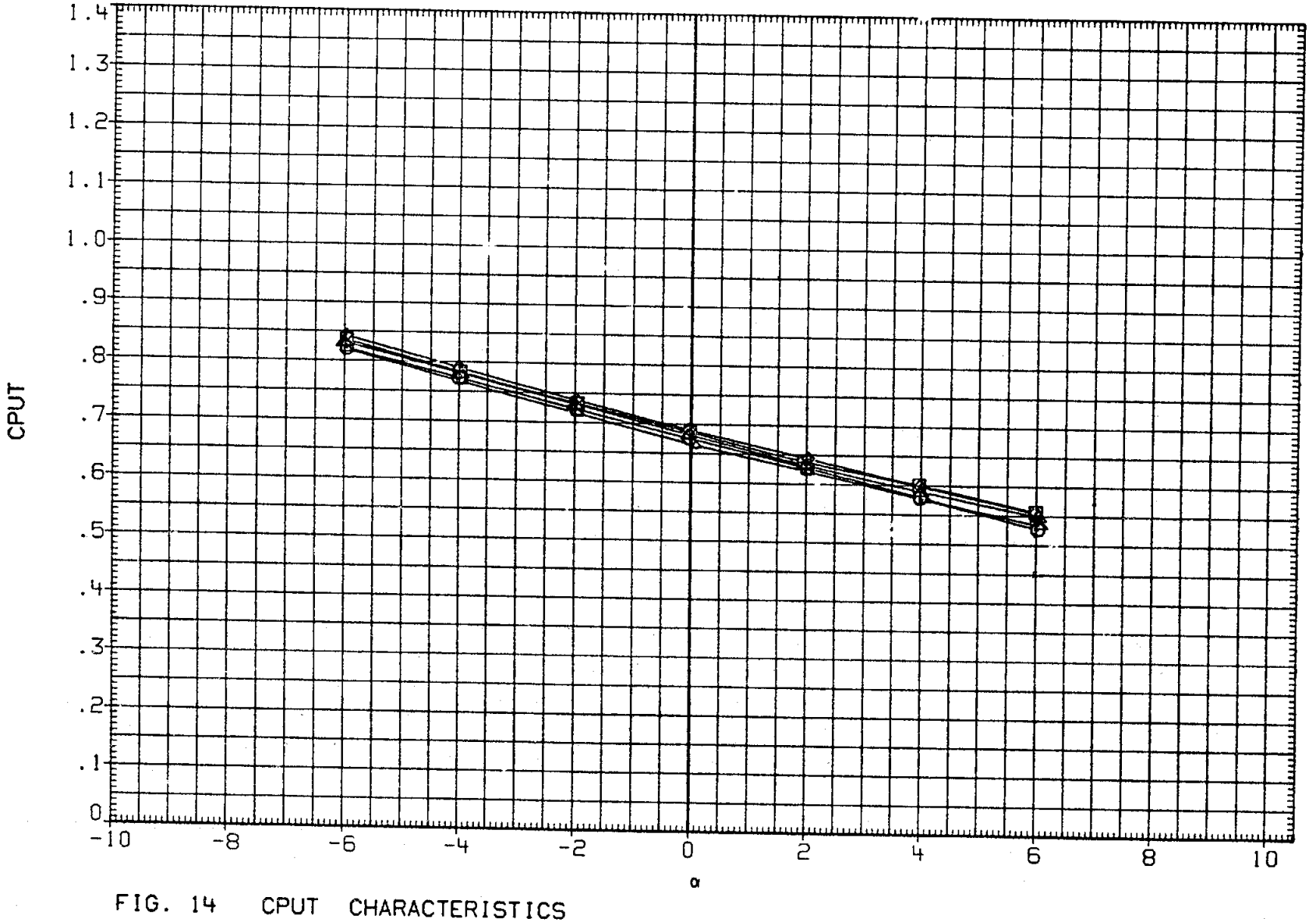

FIG. 14 CPUT CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

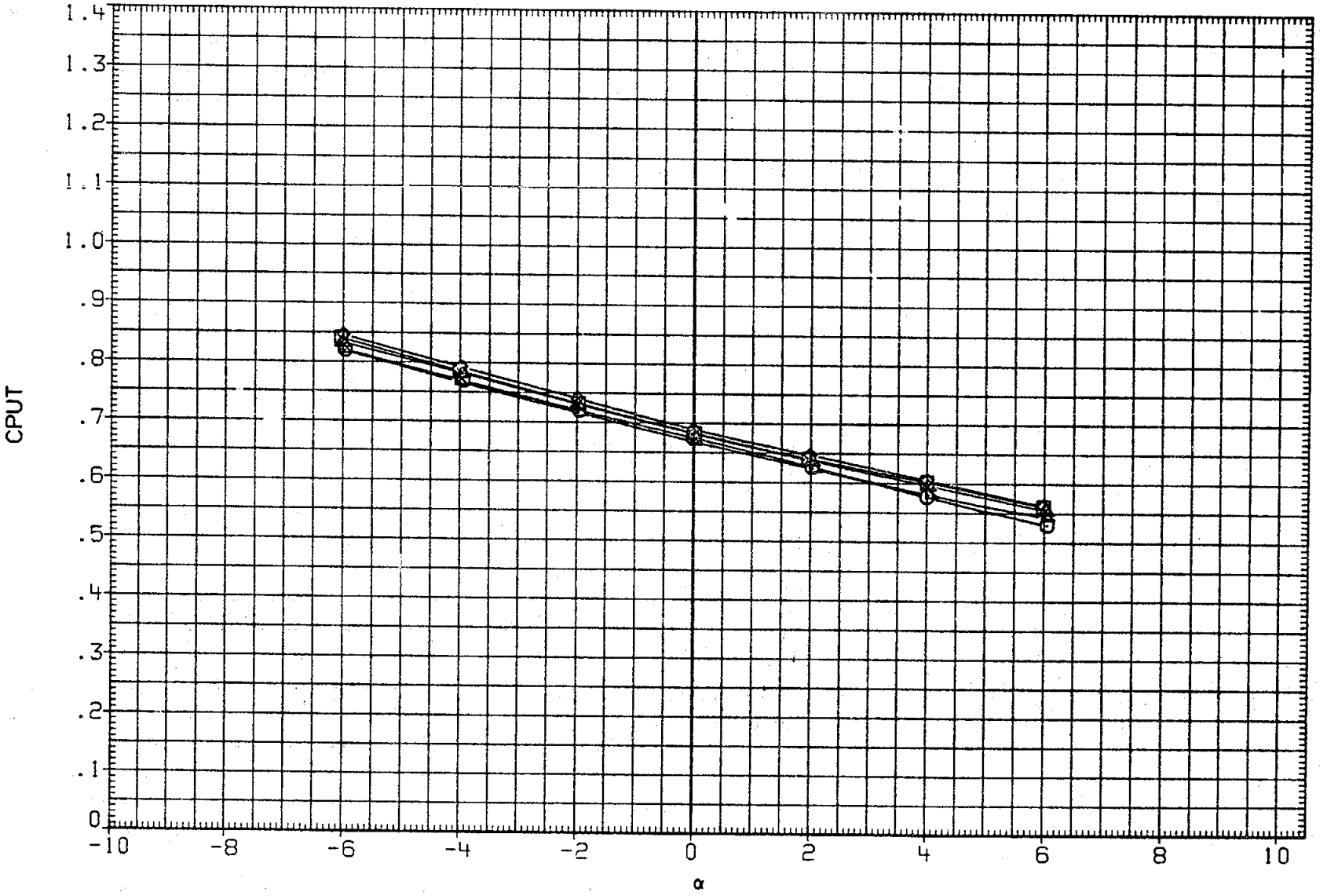

FIG. 14 CPUT CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

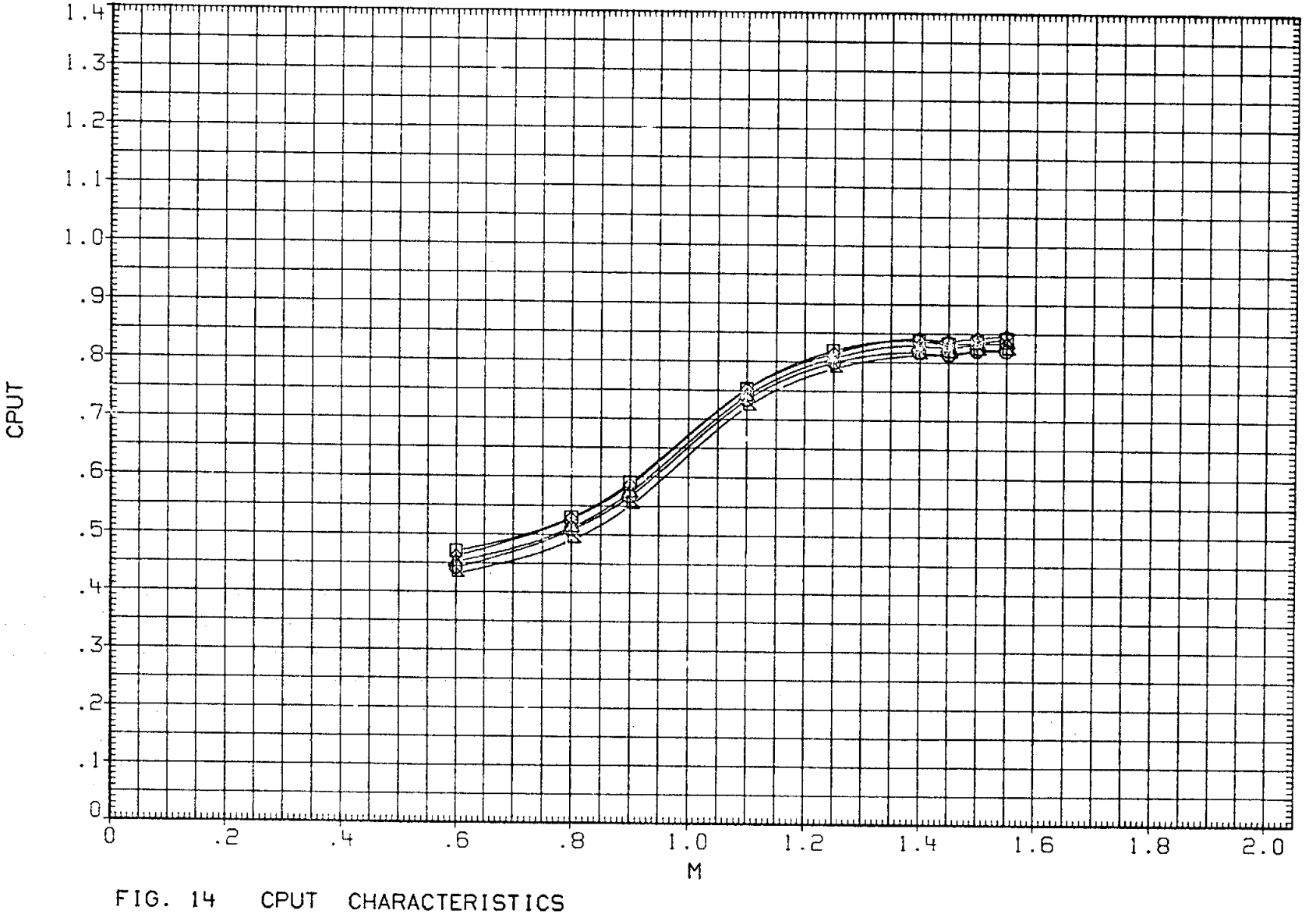

FIG. 14 CPUT CHARACTERISTICS

(A)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

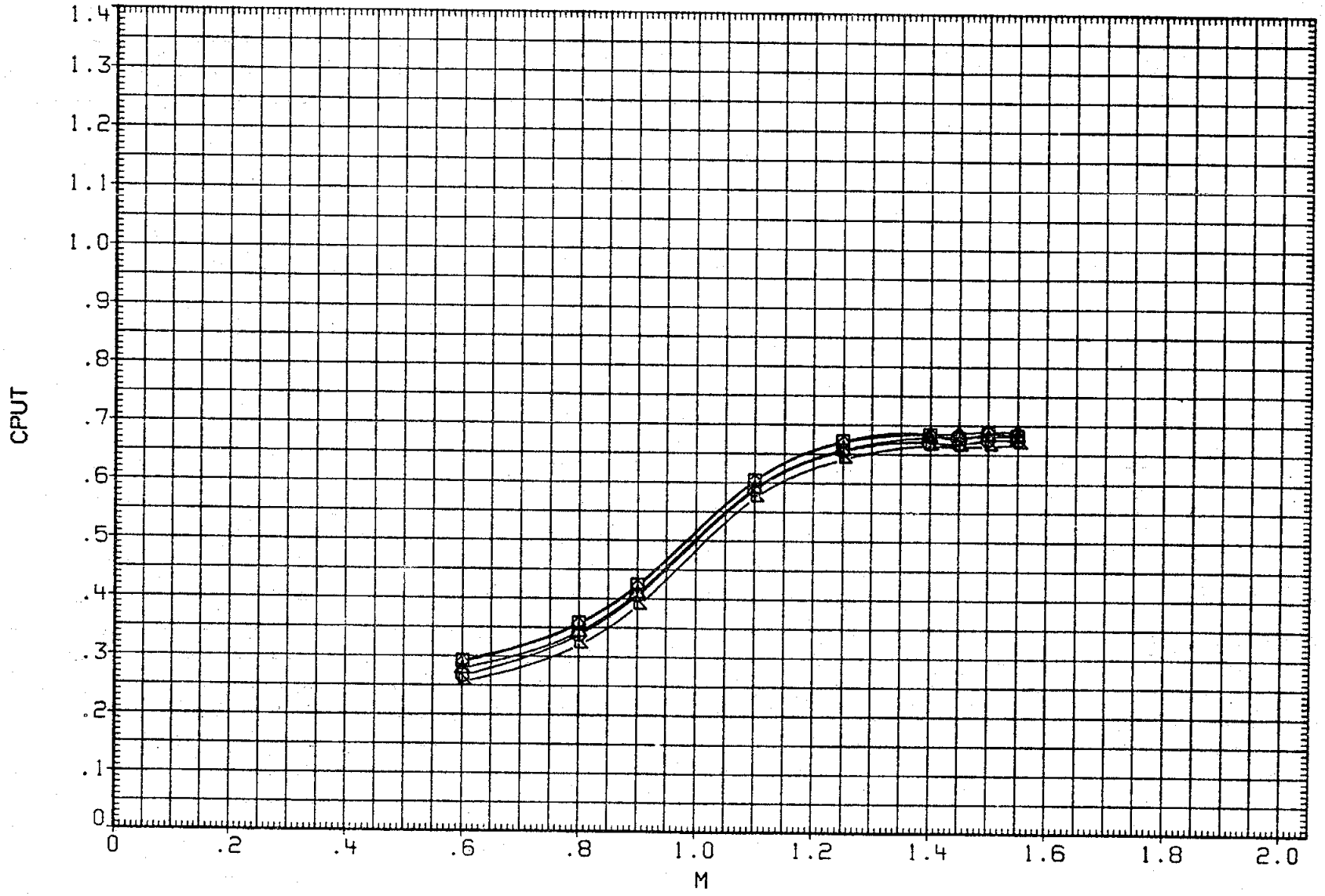

FIG. 14 CPUT CHARACTERISTICS

(B) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

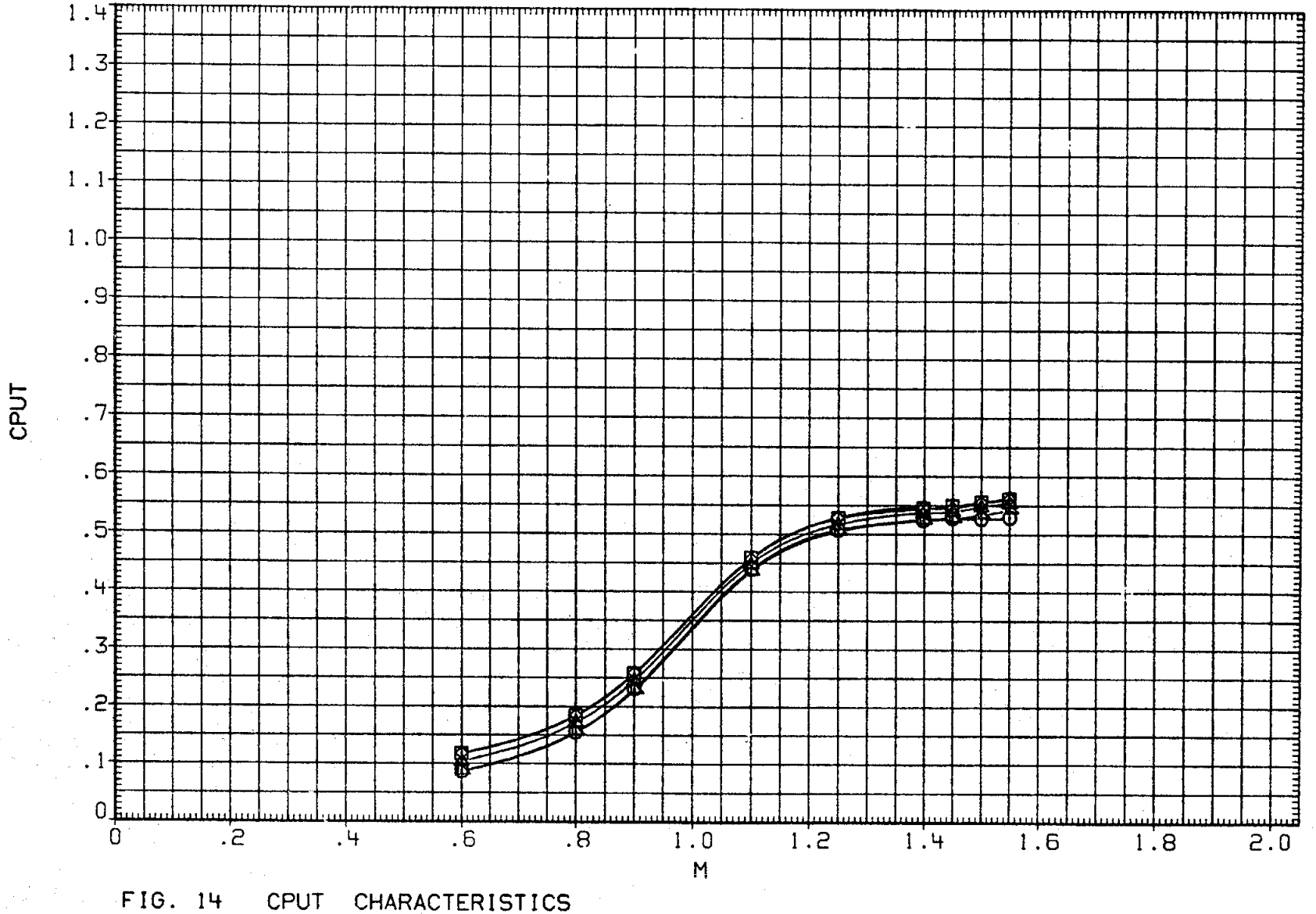

FIG. 14 CPUT CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

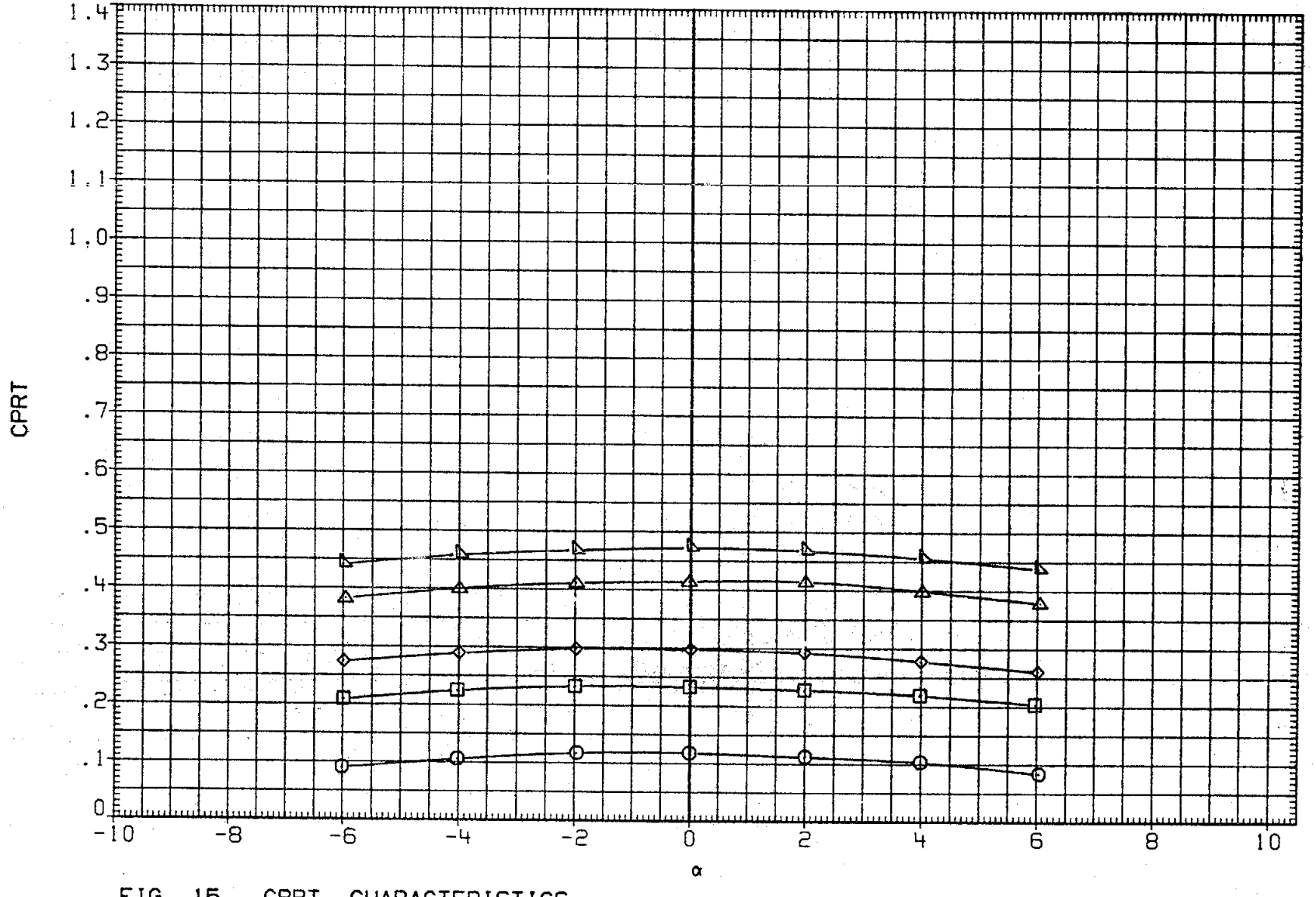

FIG. 15 CPRT CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

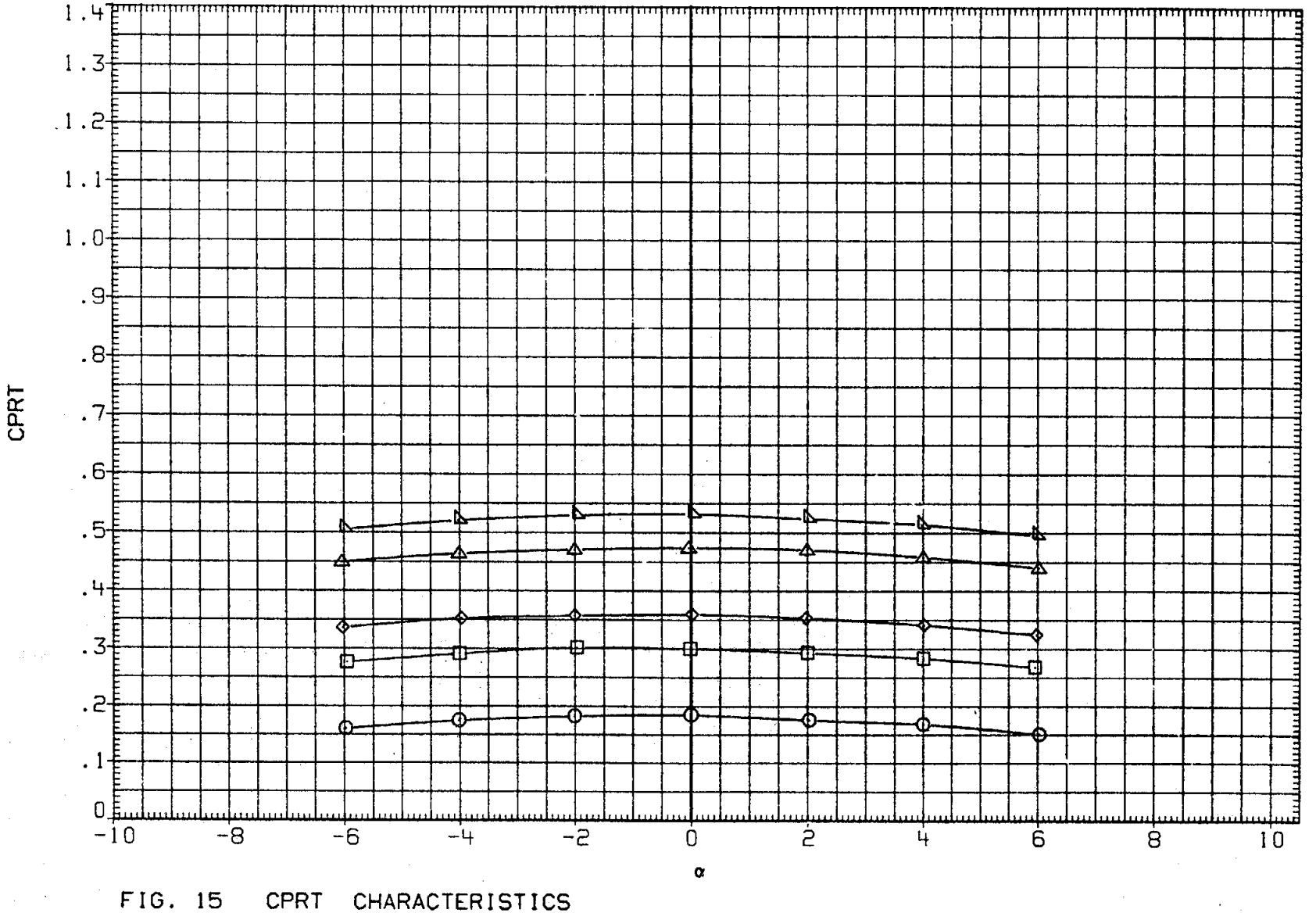

FIG. 15 CPRT CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

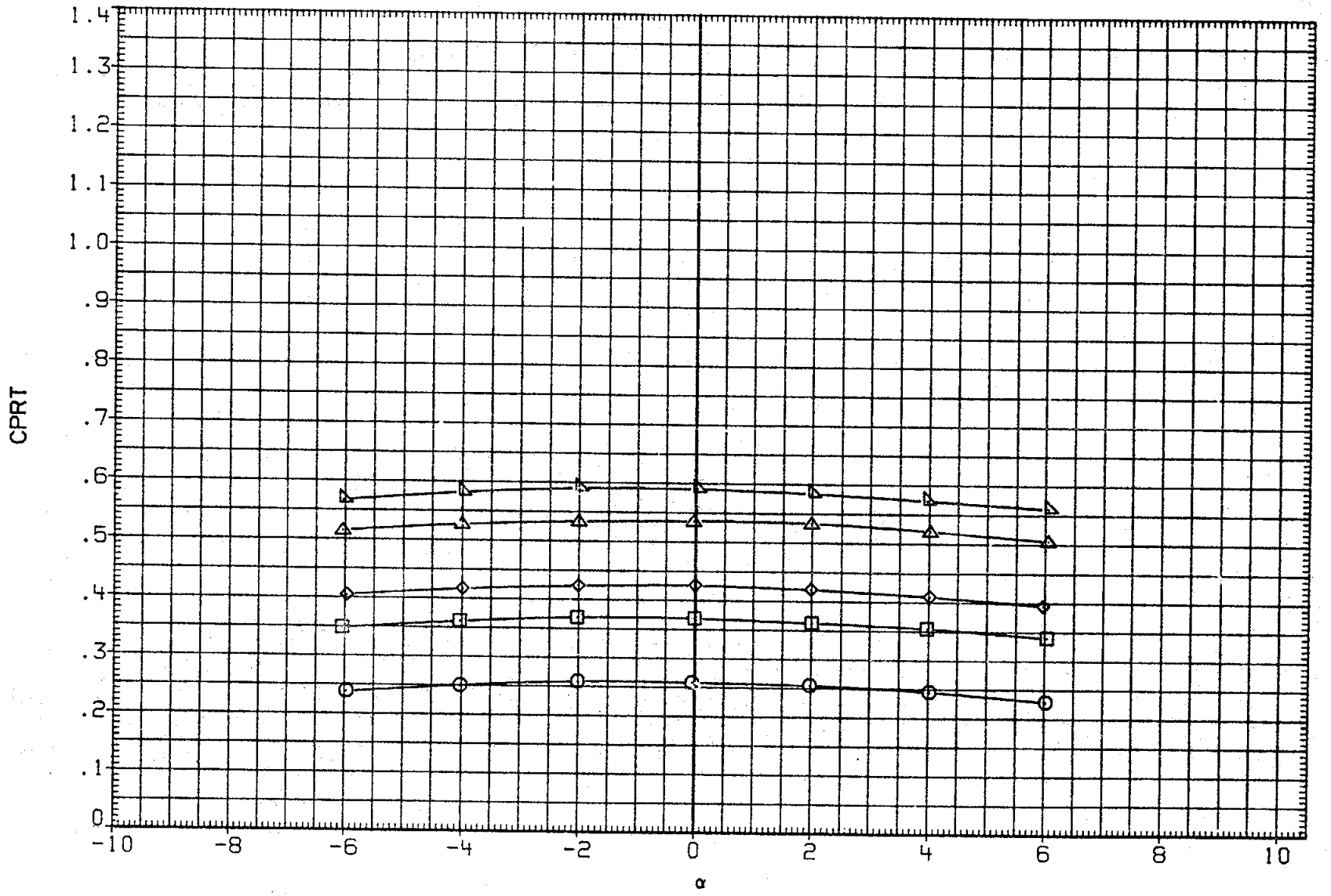

FIG. 15 CPRT CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

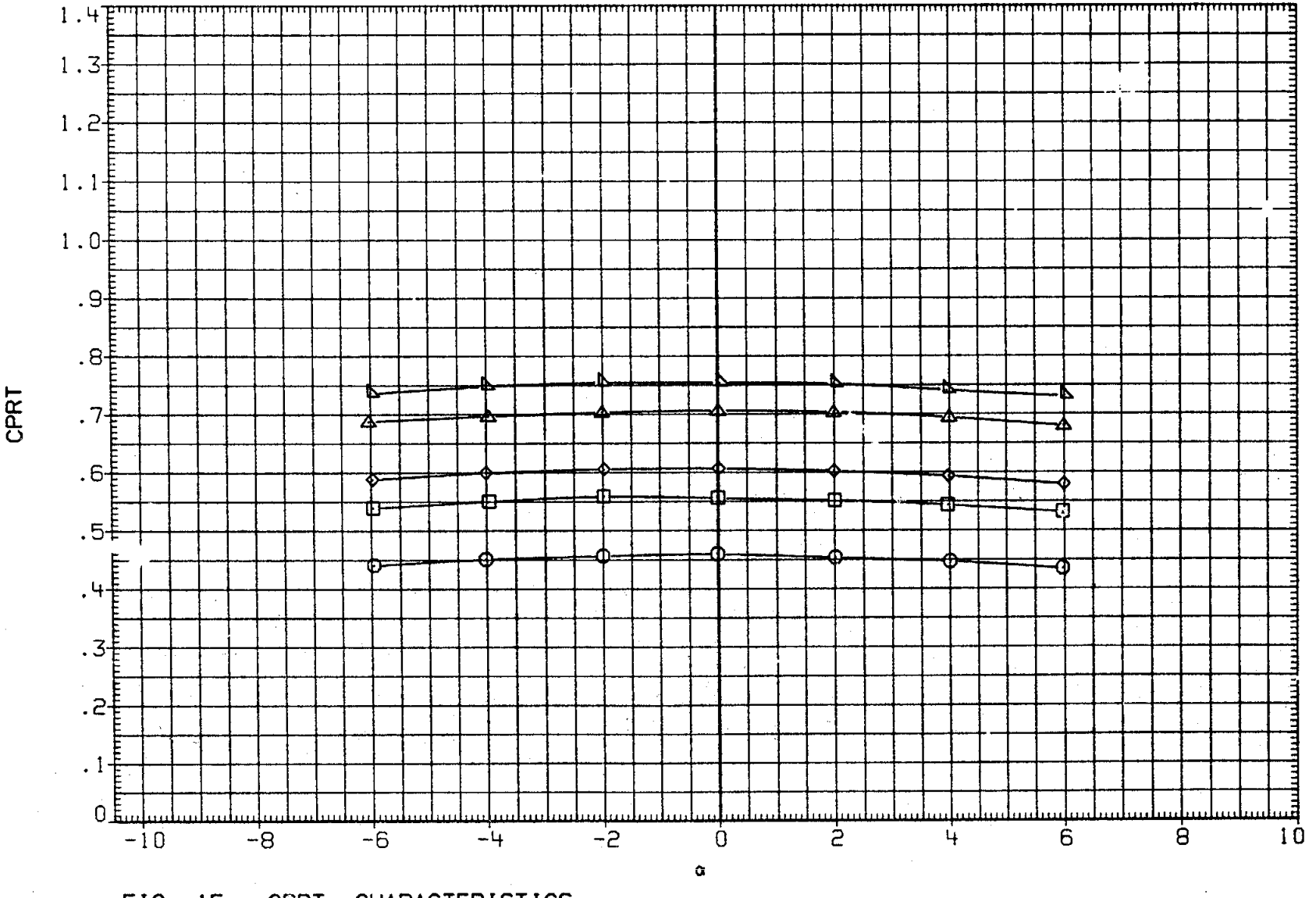

FIG. 15 CPRT CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

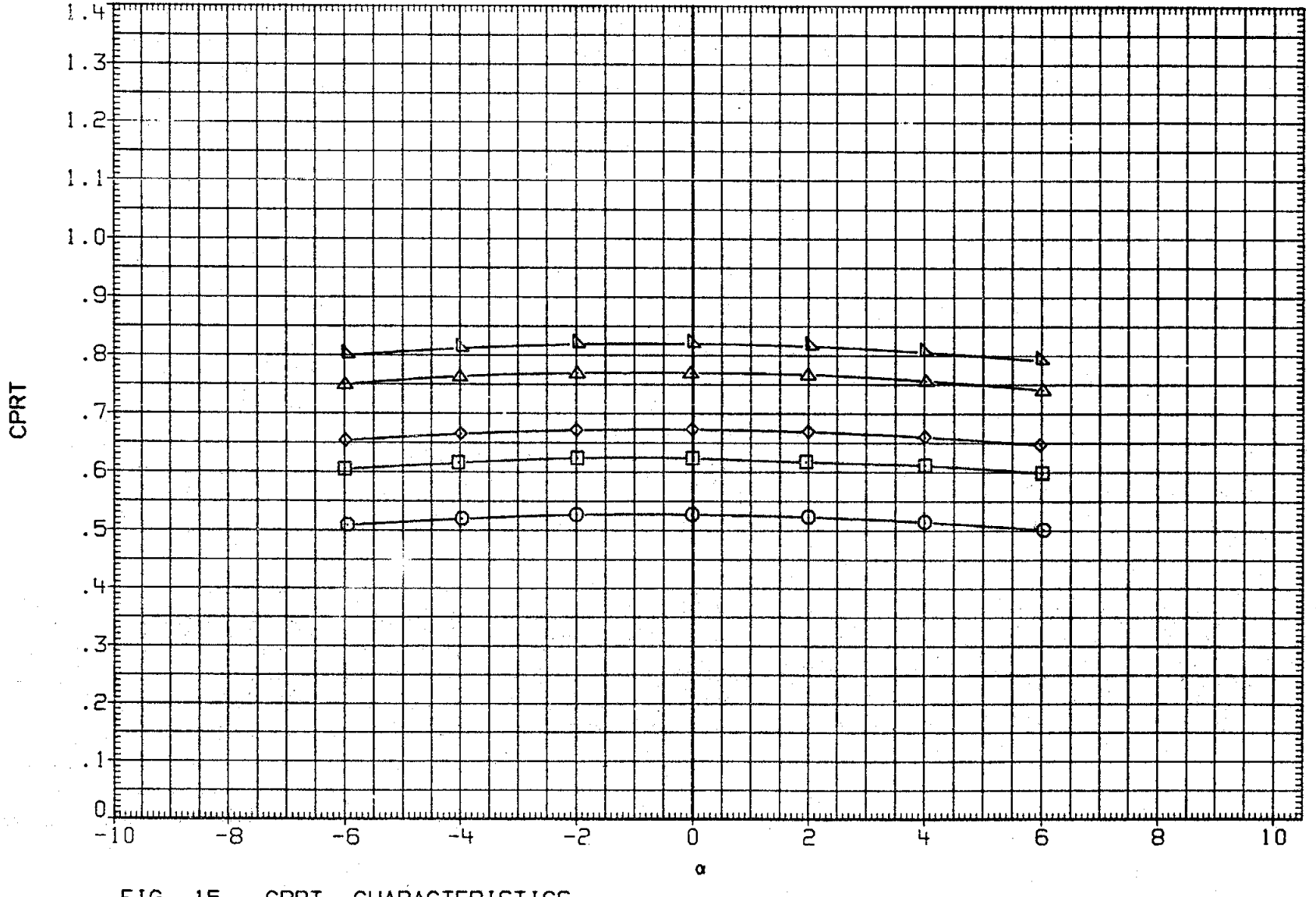

FIG. 15 CPRT CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

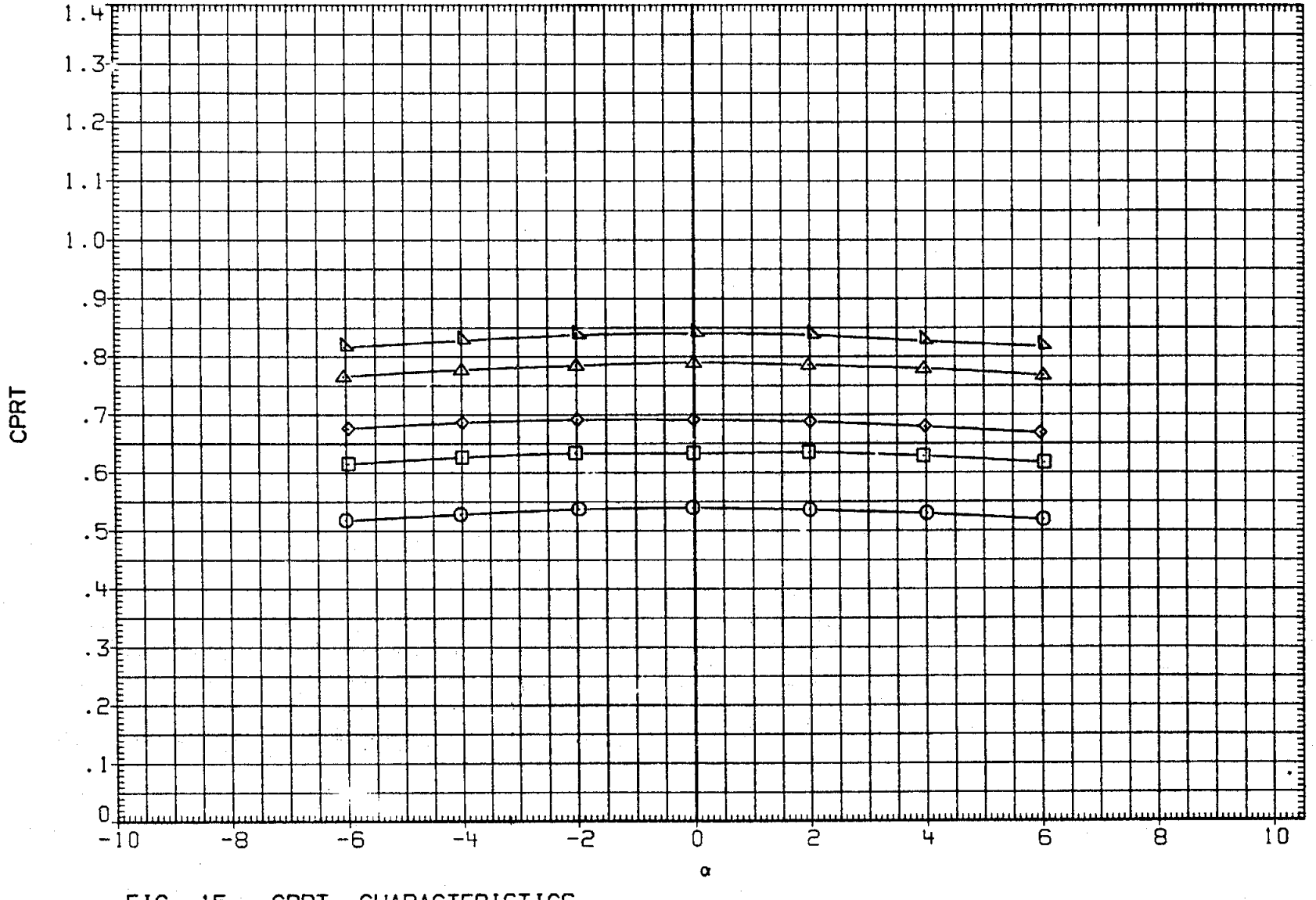

FIG. 15 CPRT CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG. LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG. LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG. LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG. LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG. LOUVR OPEN	6.000	3.665

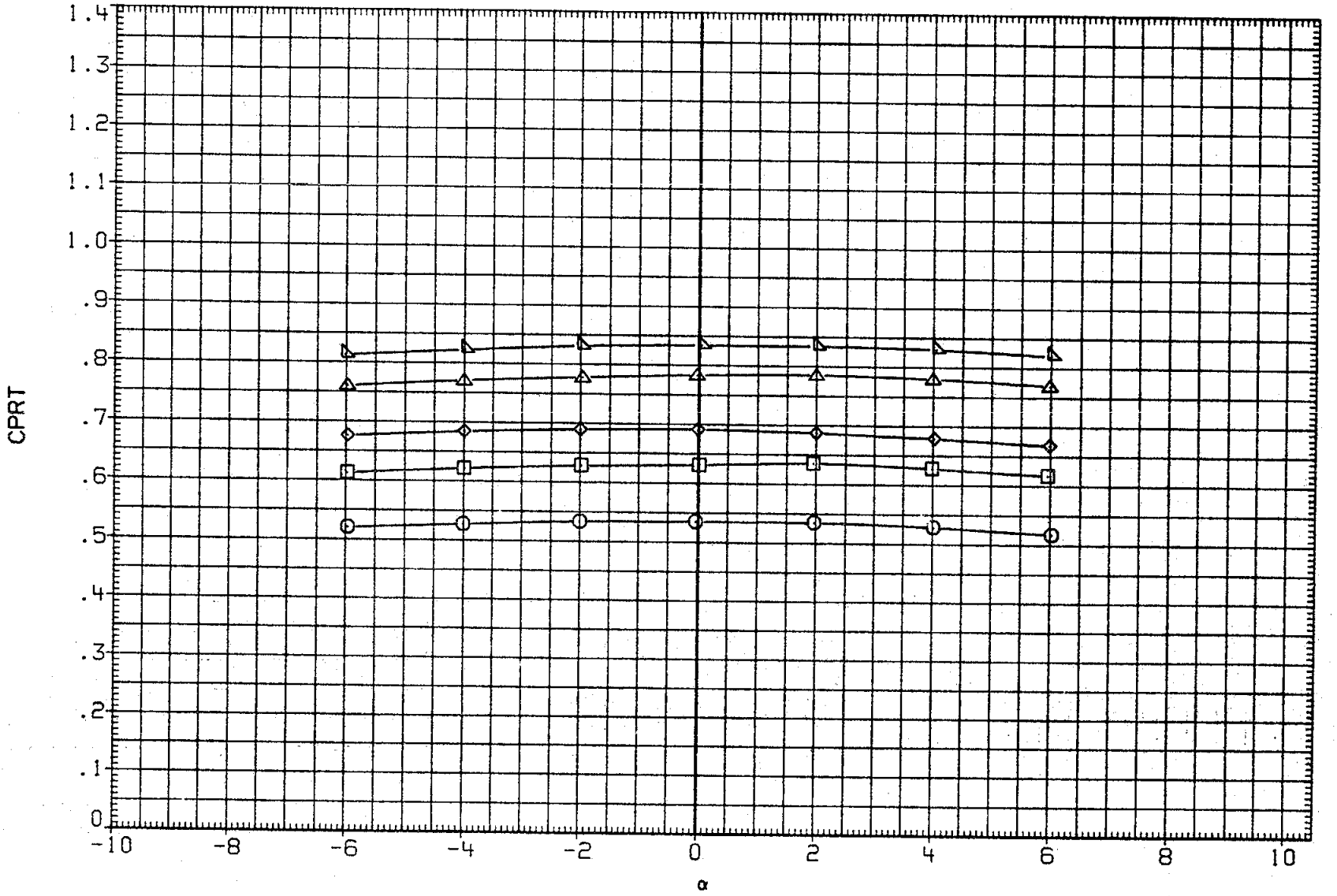

FIG. 15 CPRT CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

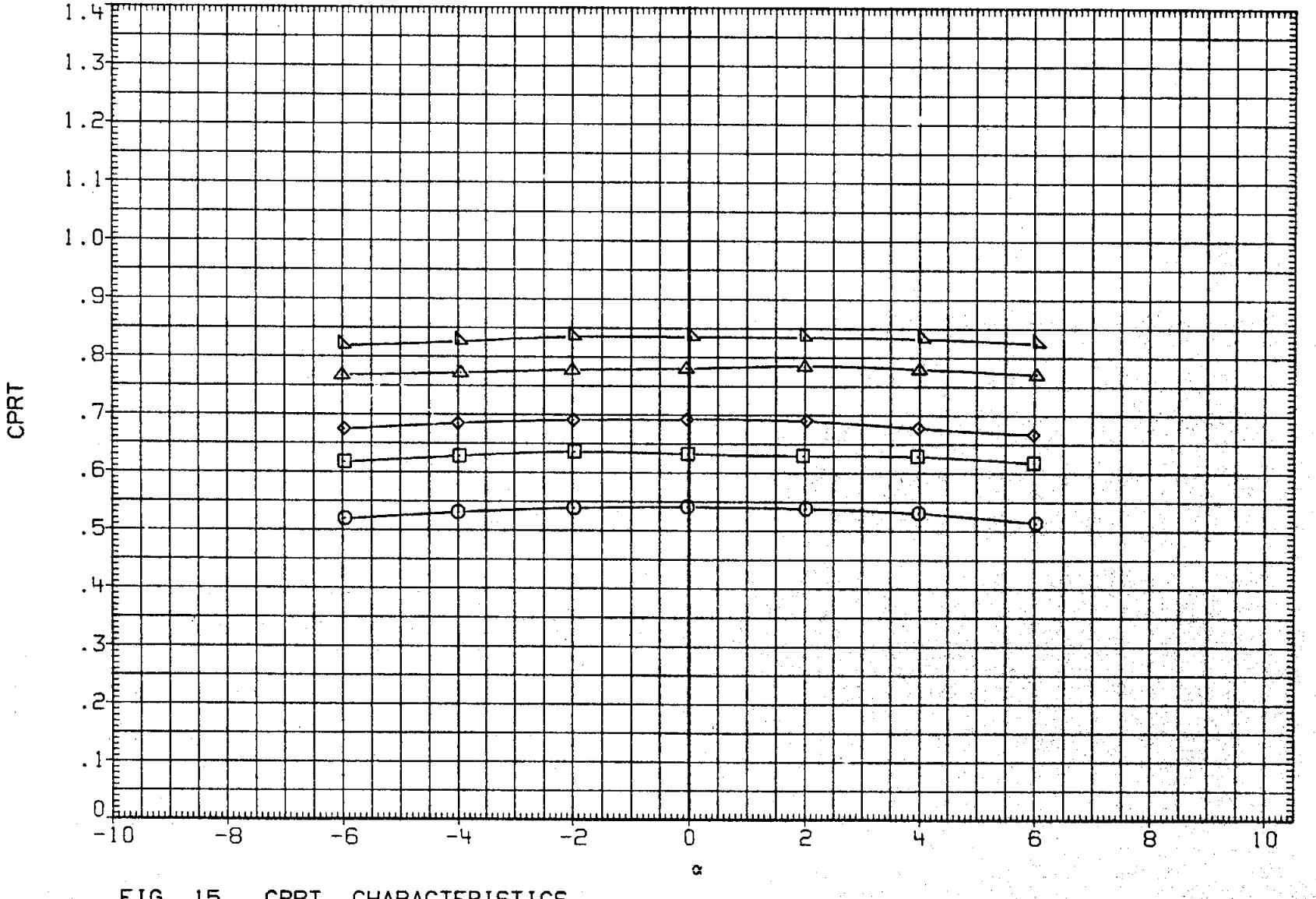

FIG. 15 CPRT CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

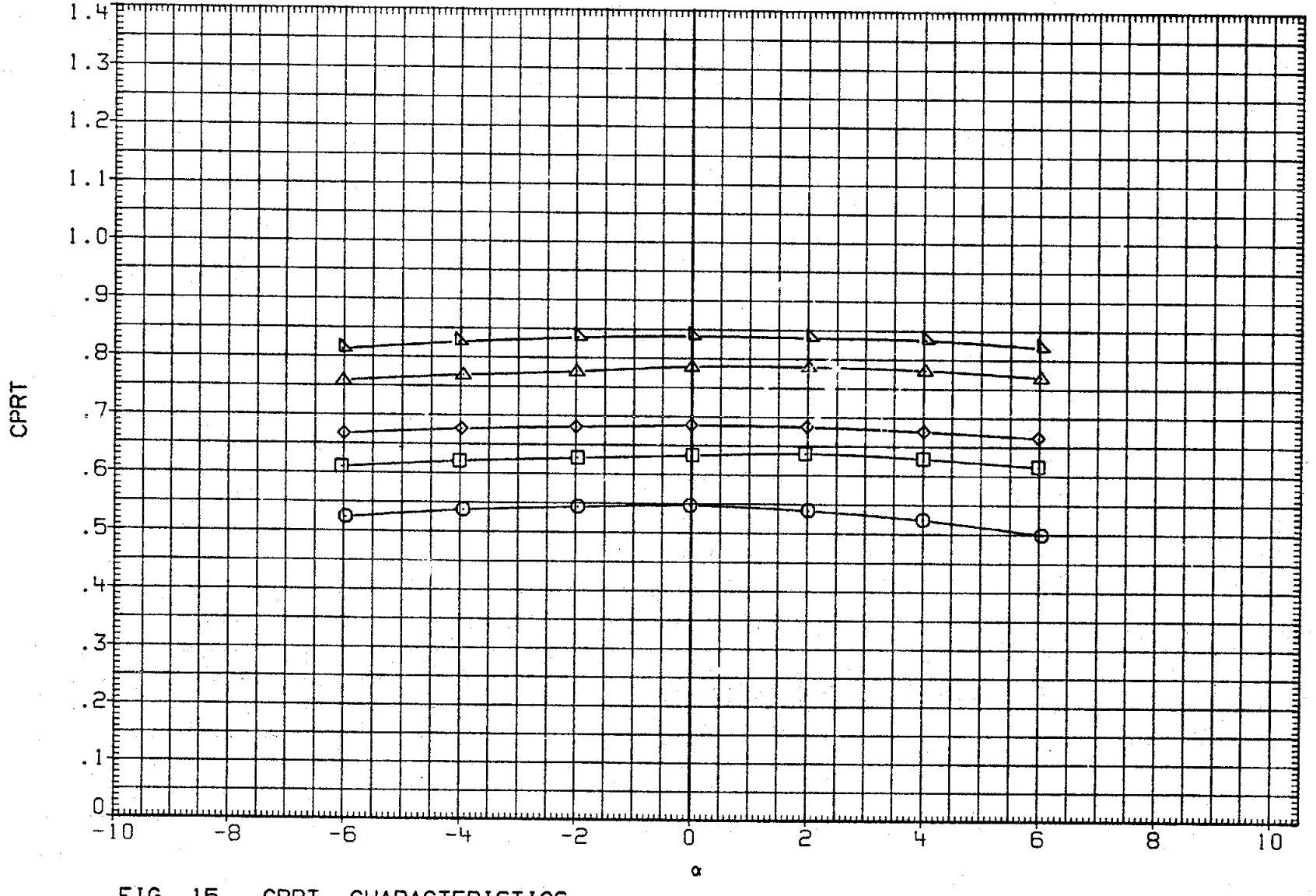

FIG. 15 CPRT CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

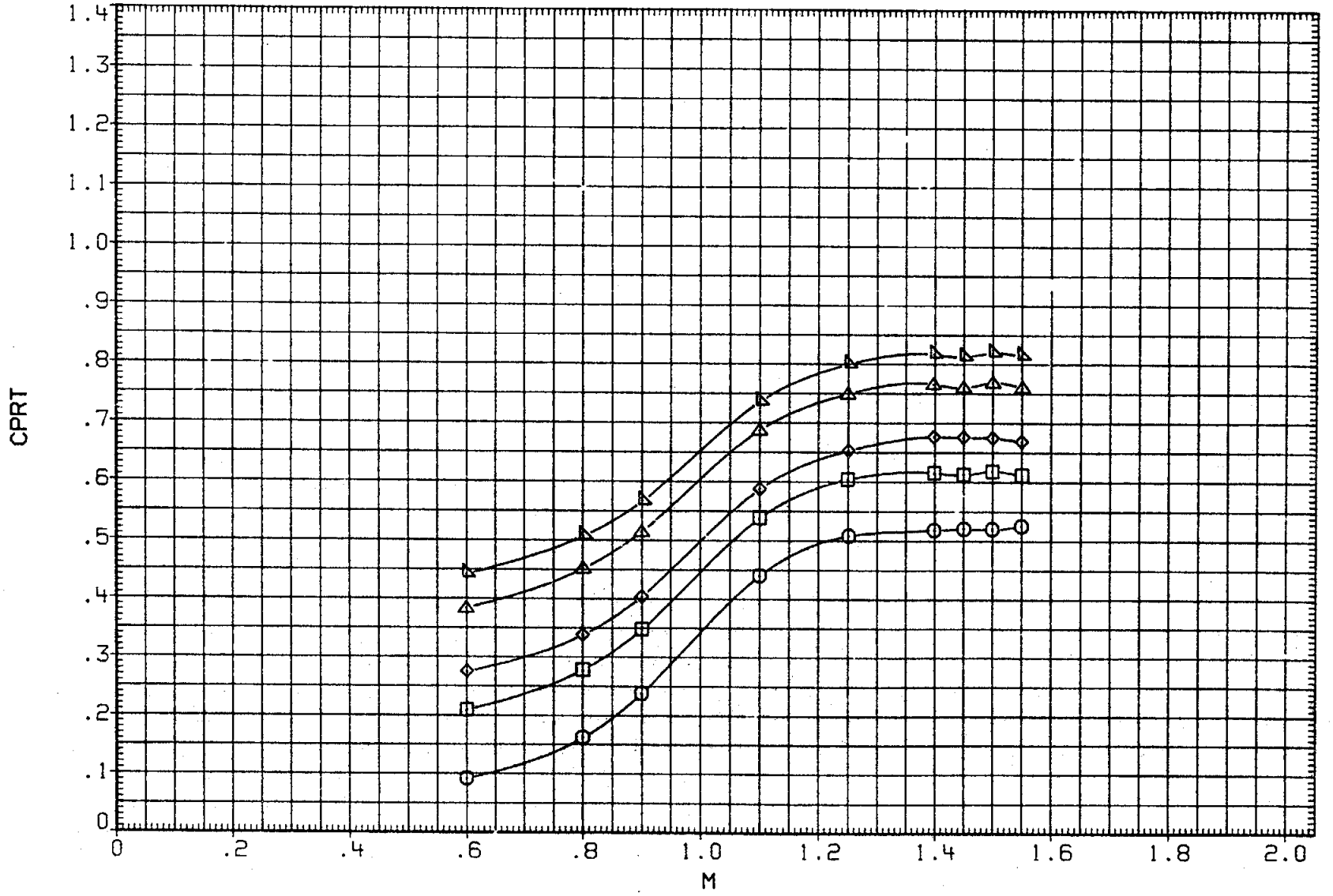

FIG. 15 CPRT CHARACTERISTICS

(A)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

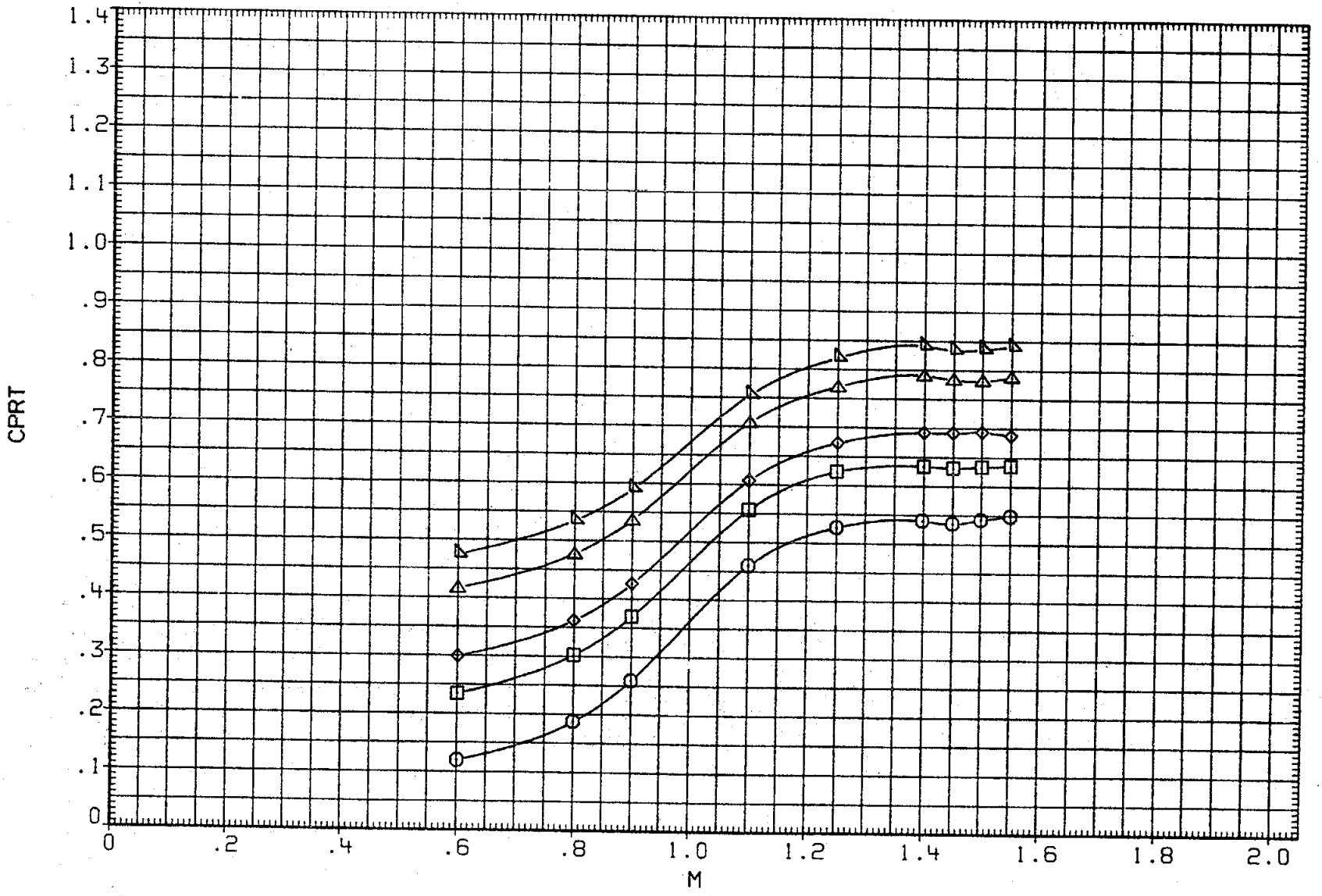

FIG. 15 CPRT CHARACTERISTICS

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

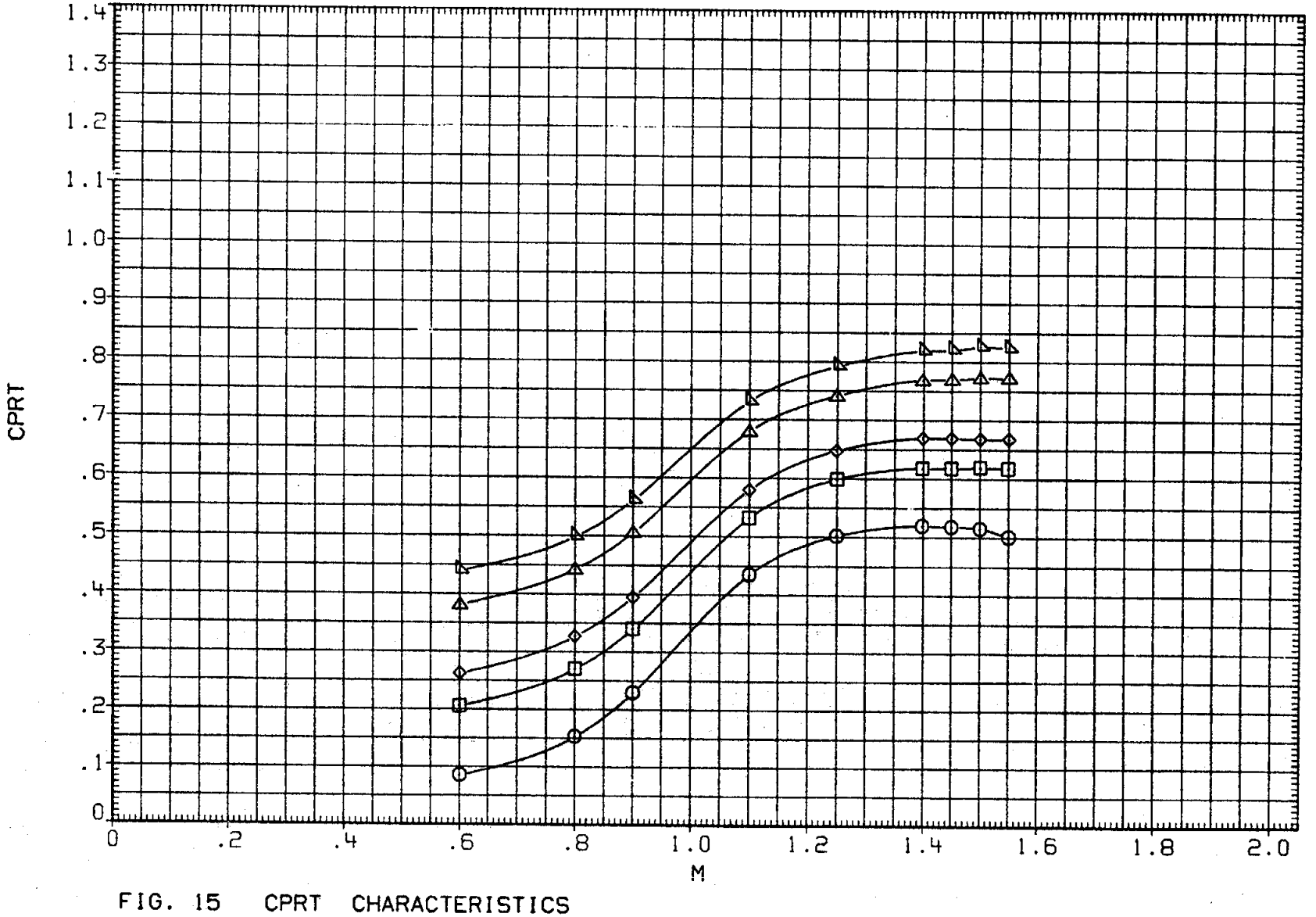

FIG. 15 CPRT CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

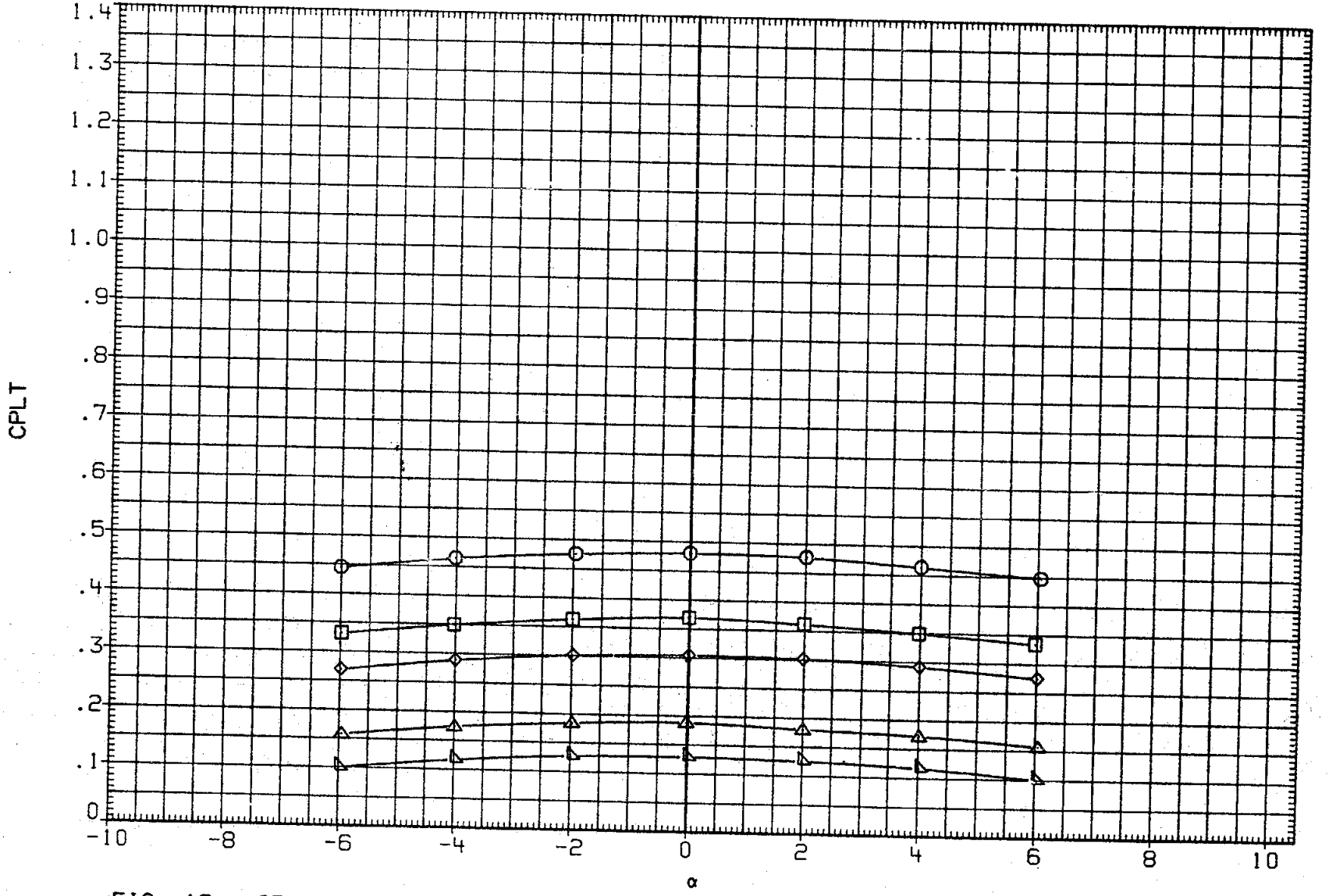

FIG. 16 CPLT CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

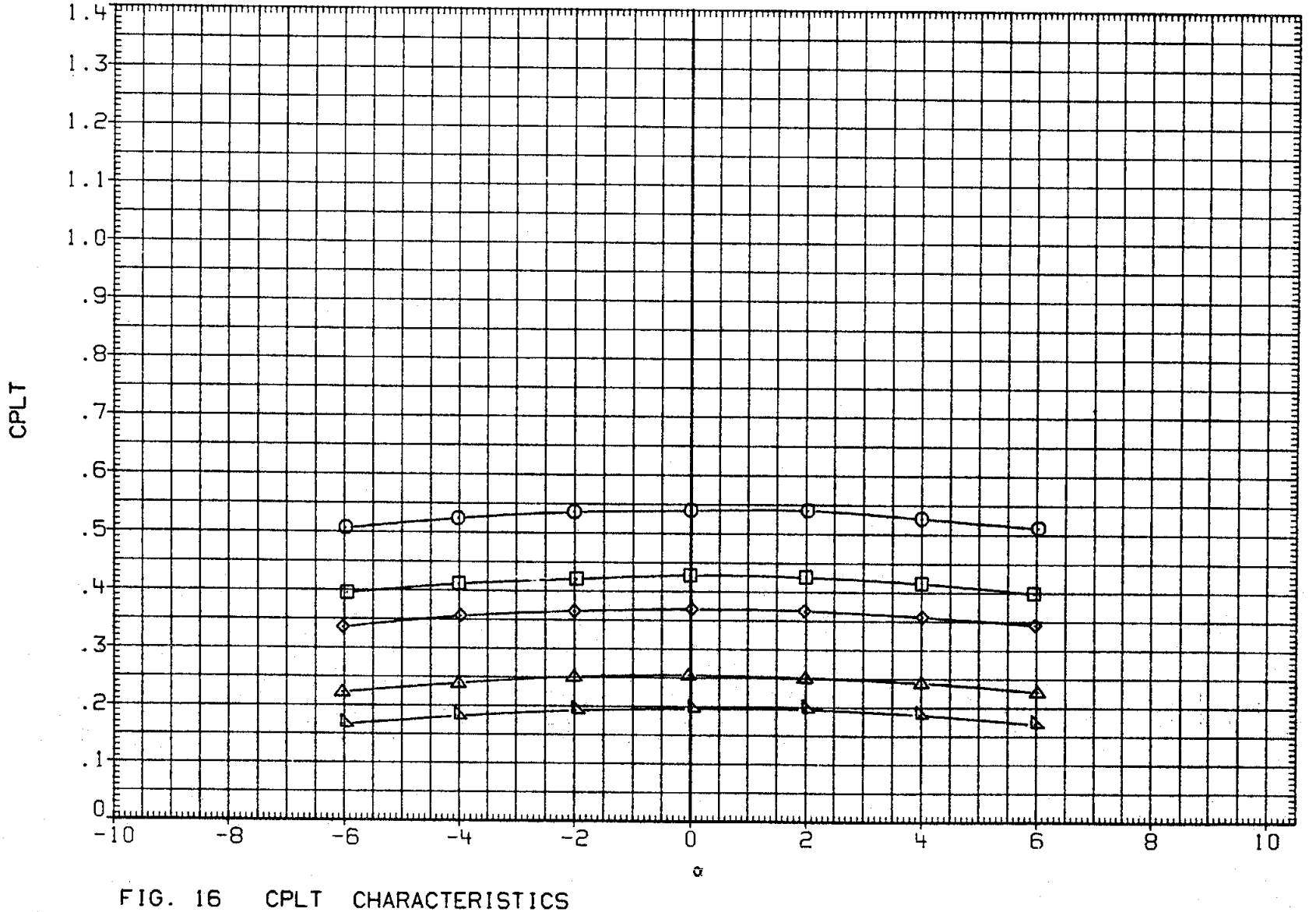

FIG. 16 CPLT CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

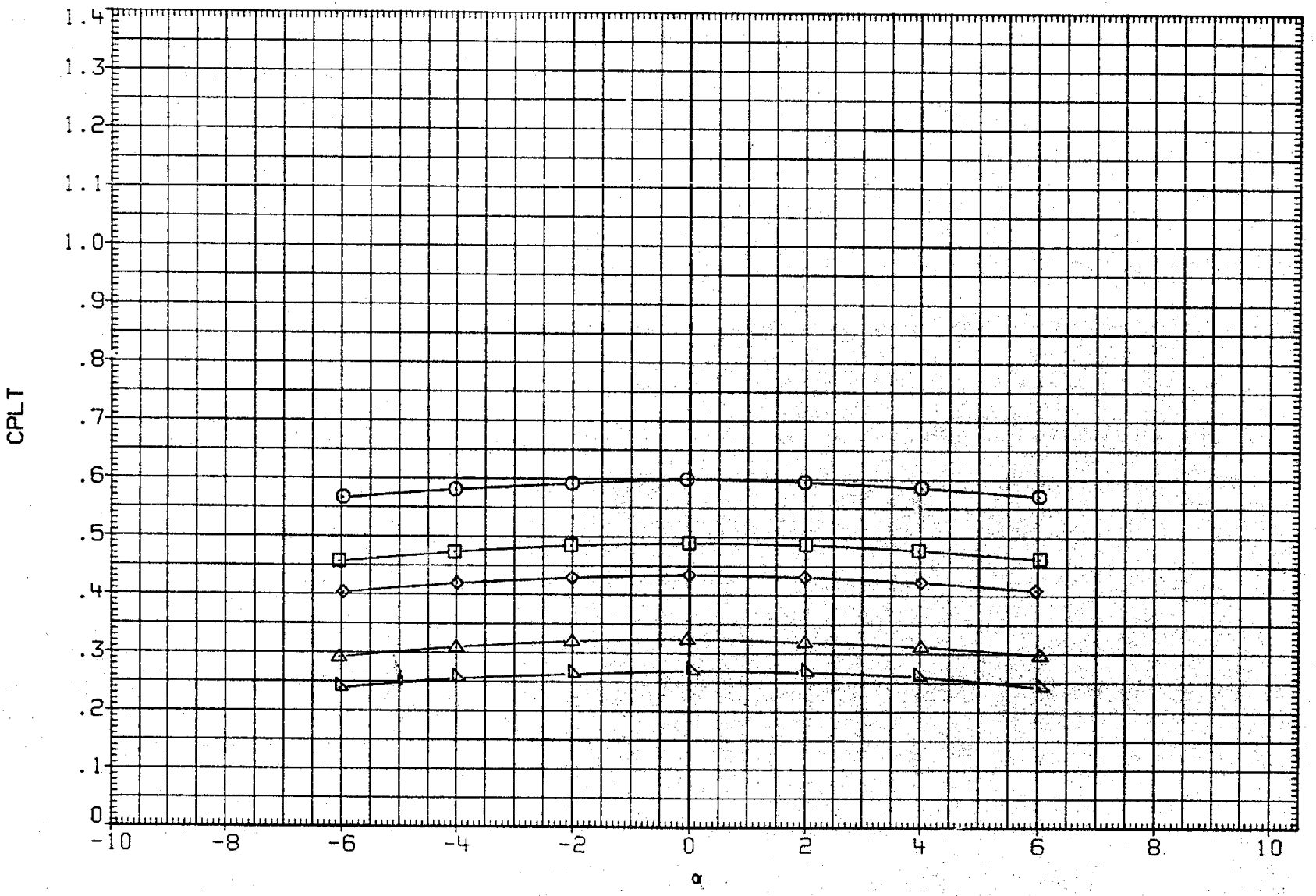

FIG. 16 CPLT CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

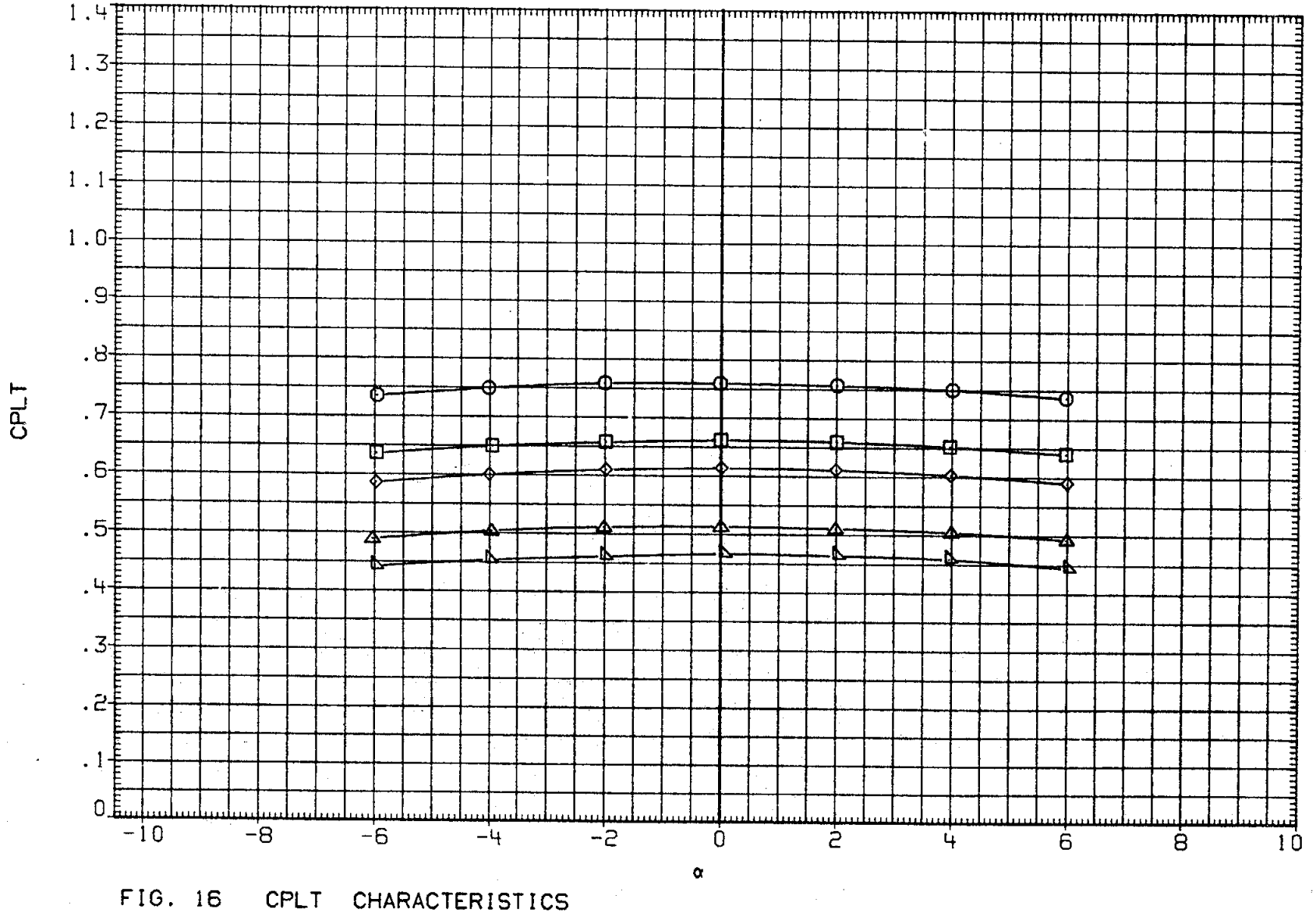

FIG. 16 CPLT CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

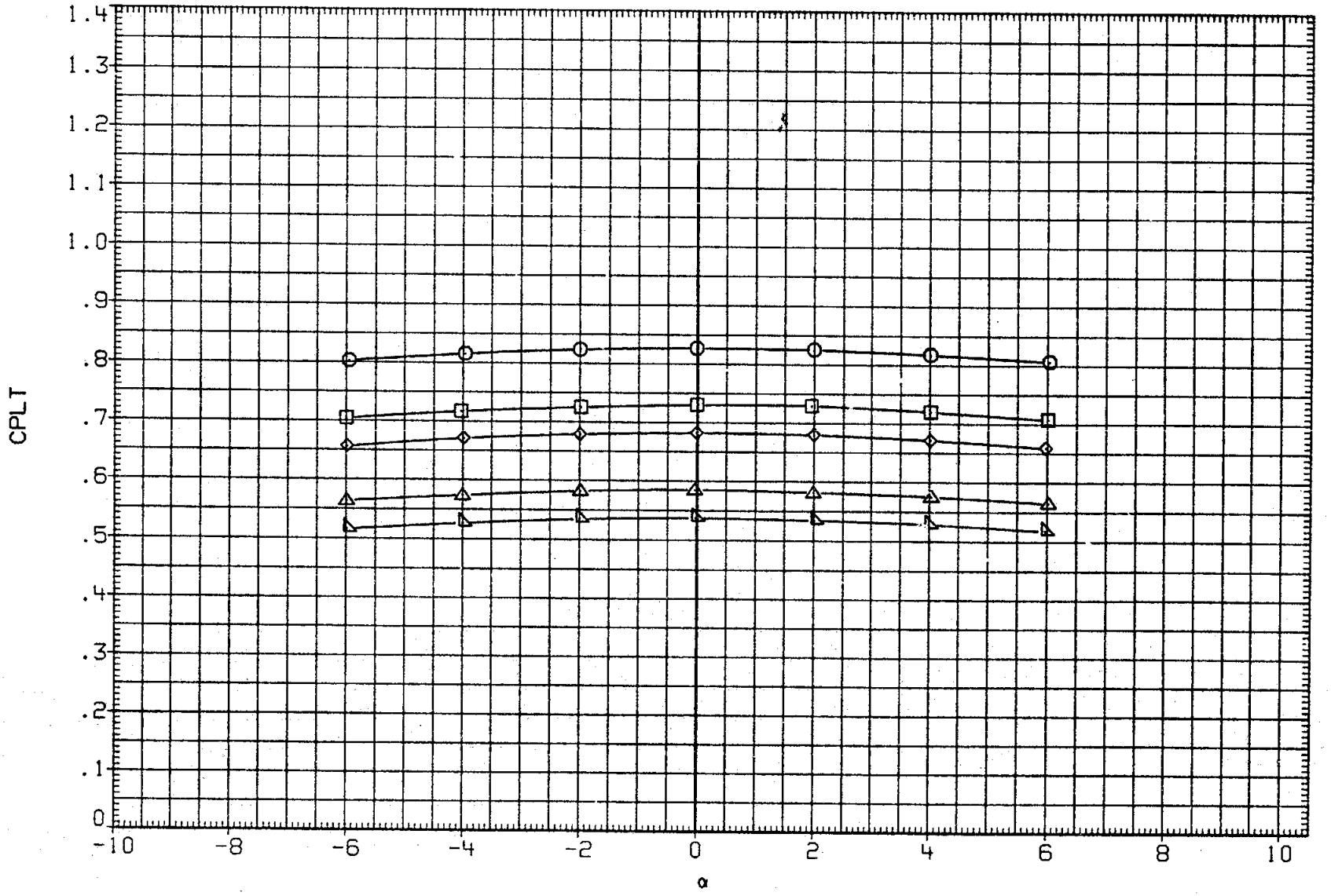

FIG. 16 CPLT CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

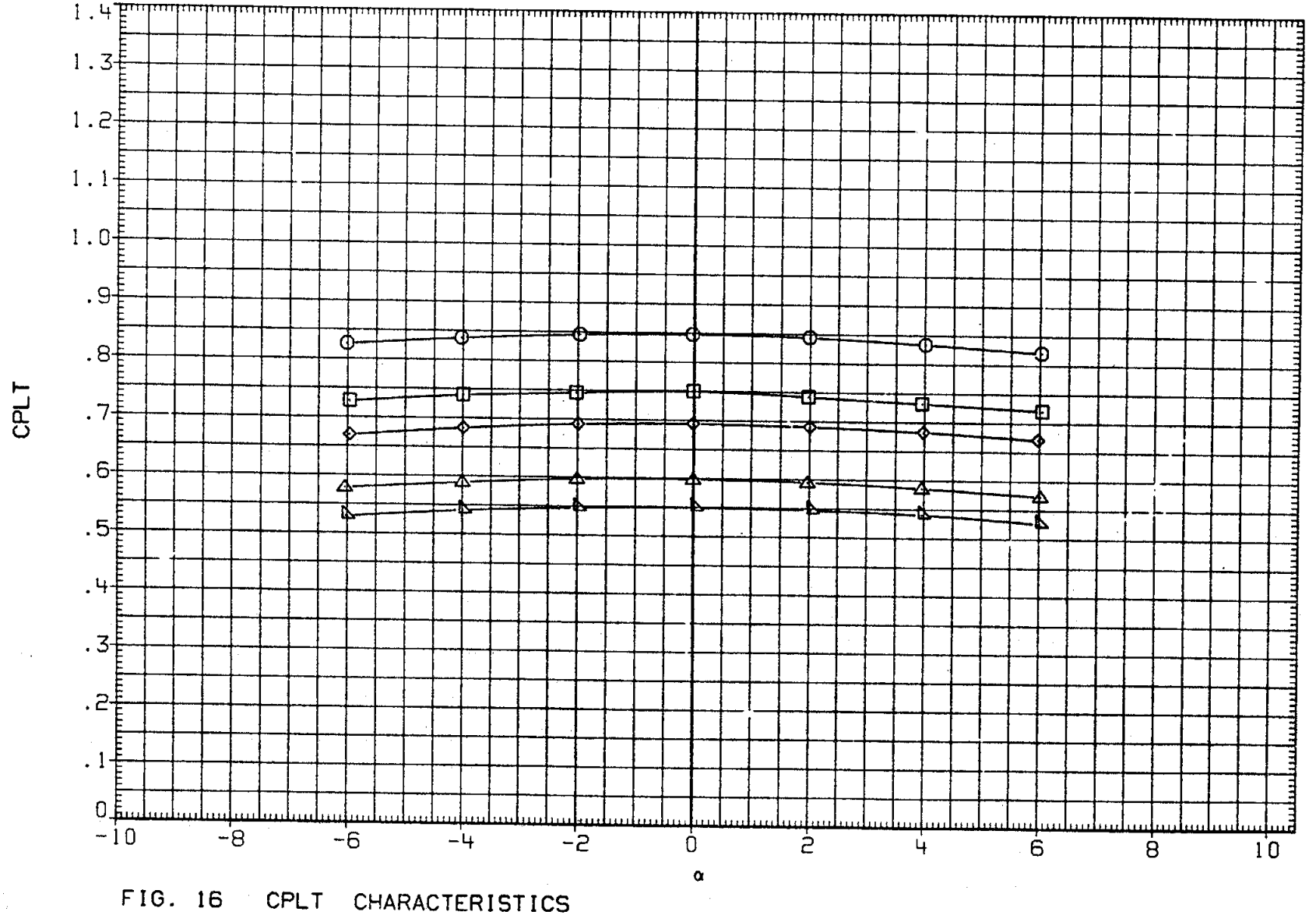

FIG. 16 CPLT CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

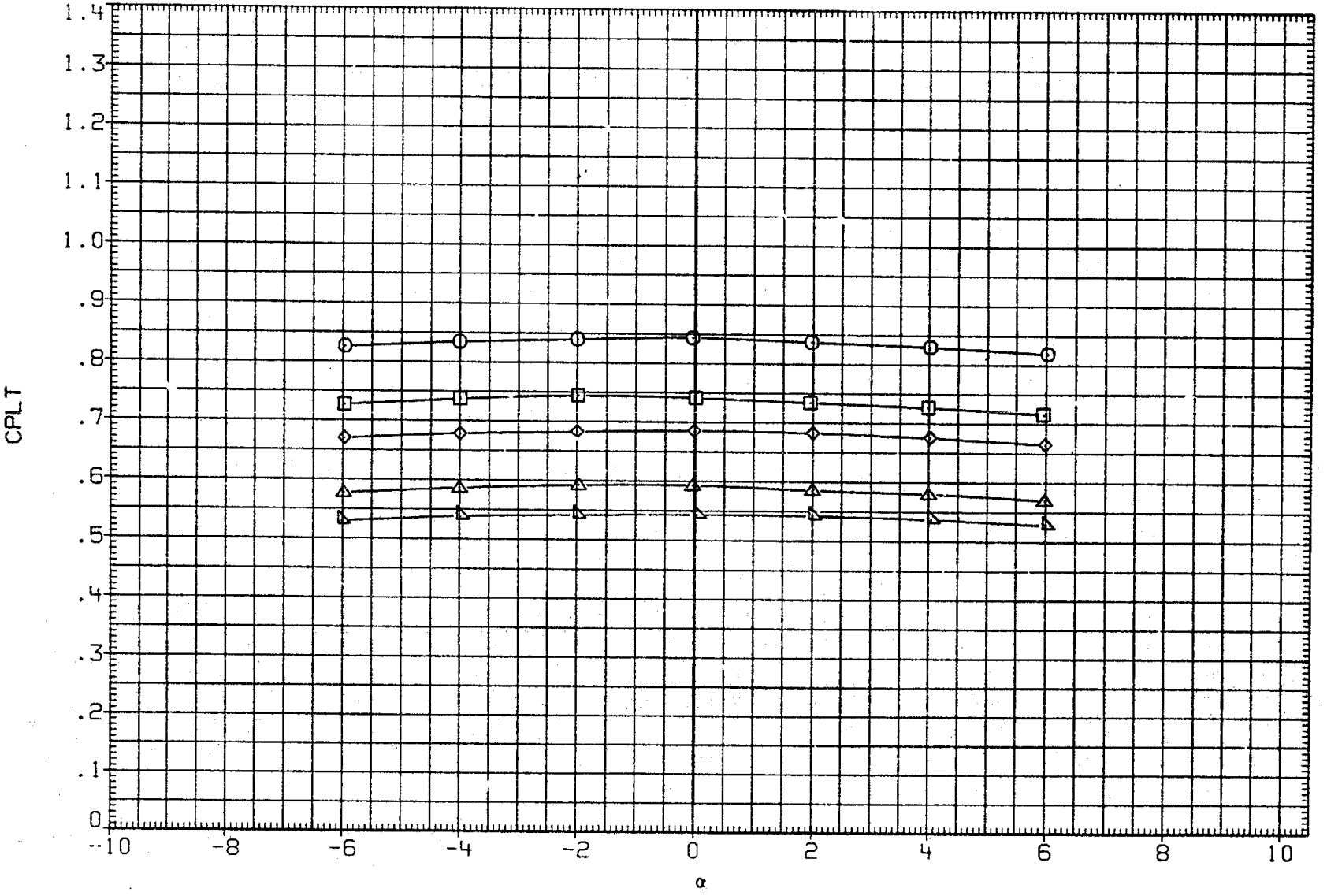

FIG. 16 CPLT CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

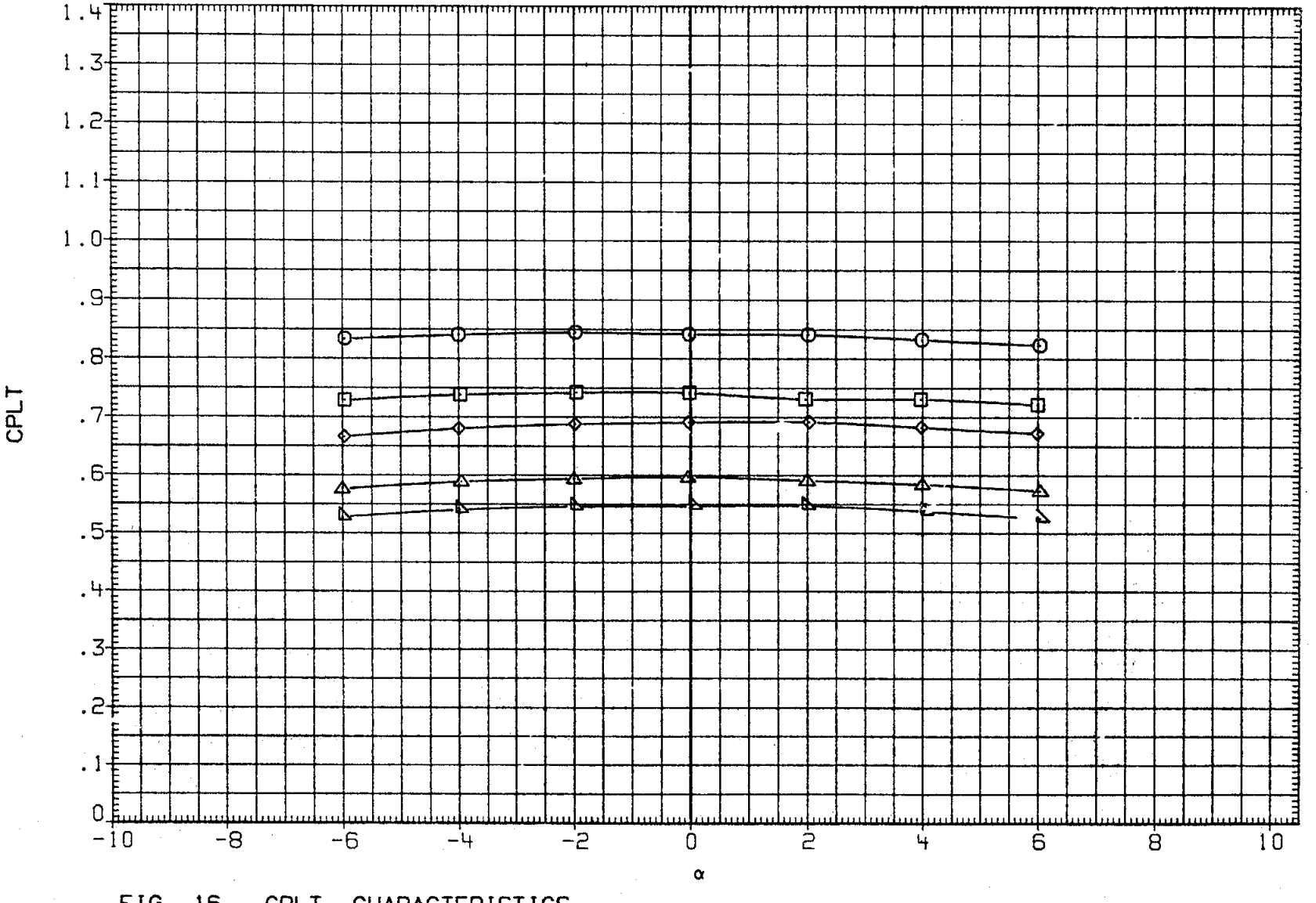

FIG. 16 CPLT CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3 668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

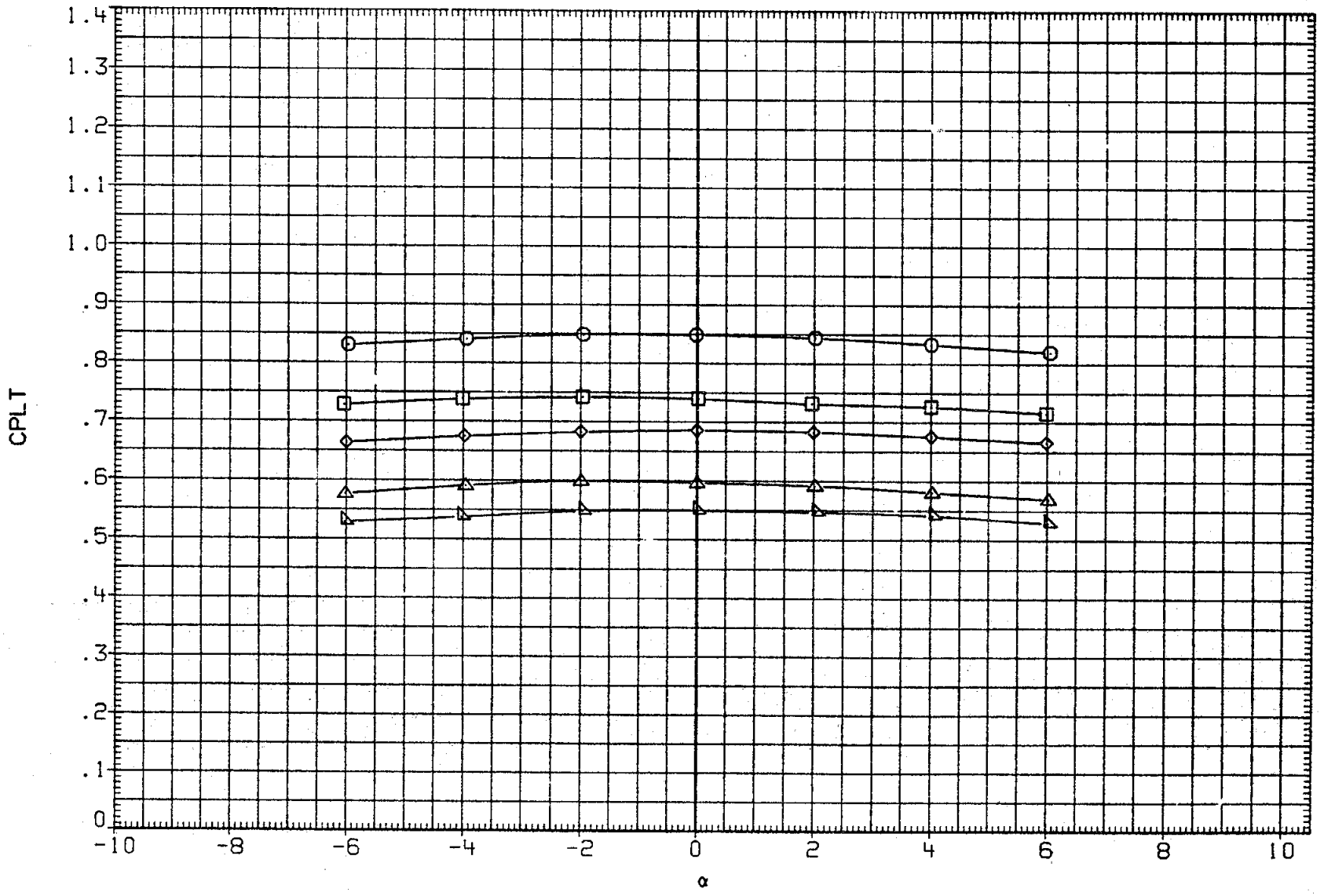

FIG. 16 CPLT CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

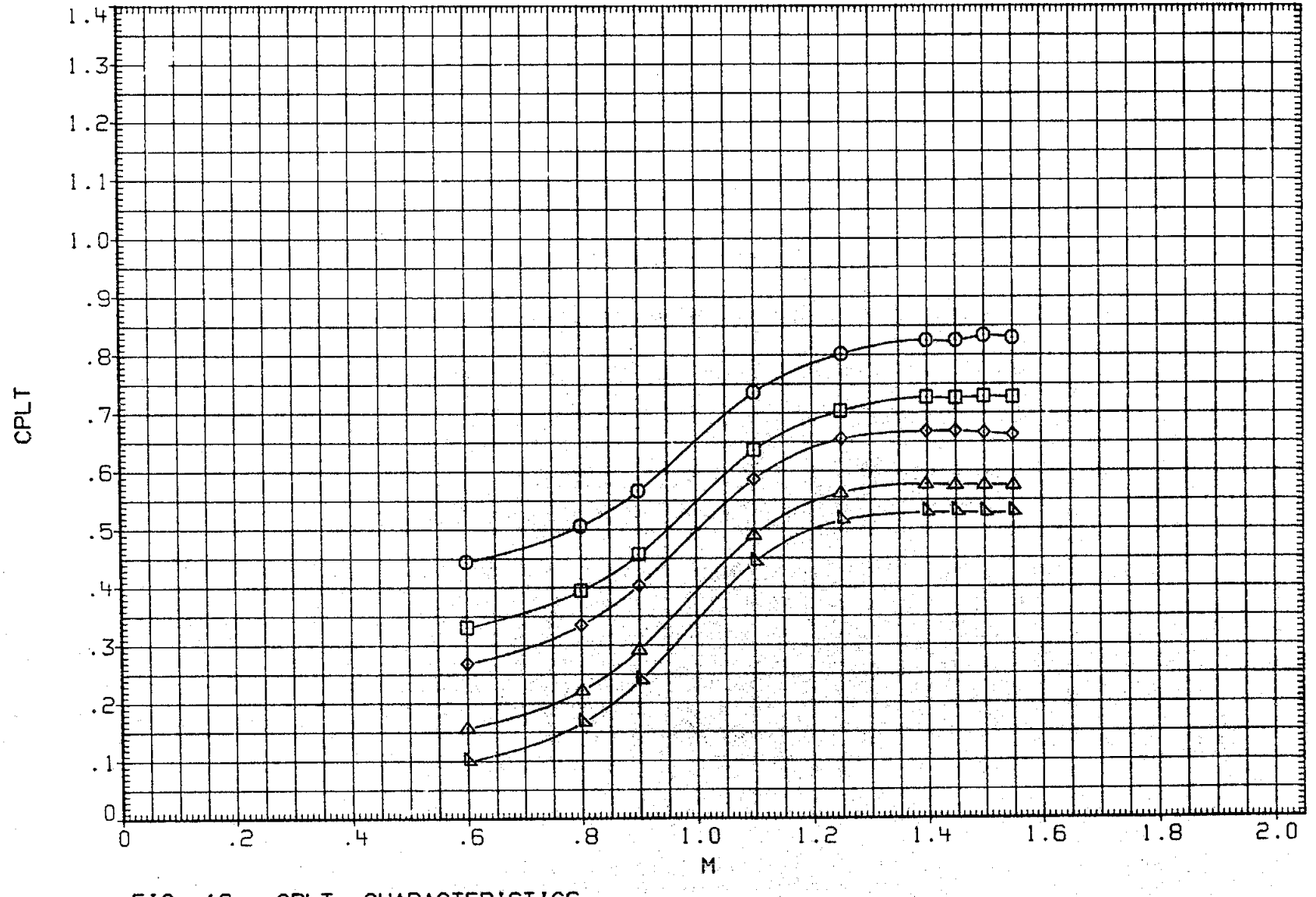

FIG. 16 CPLT CHARACTERISTICS

(A) ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

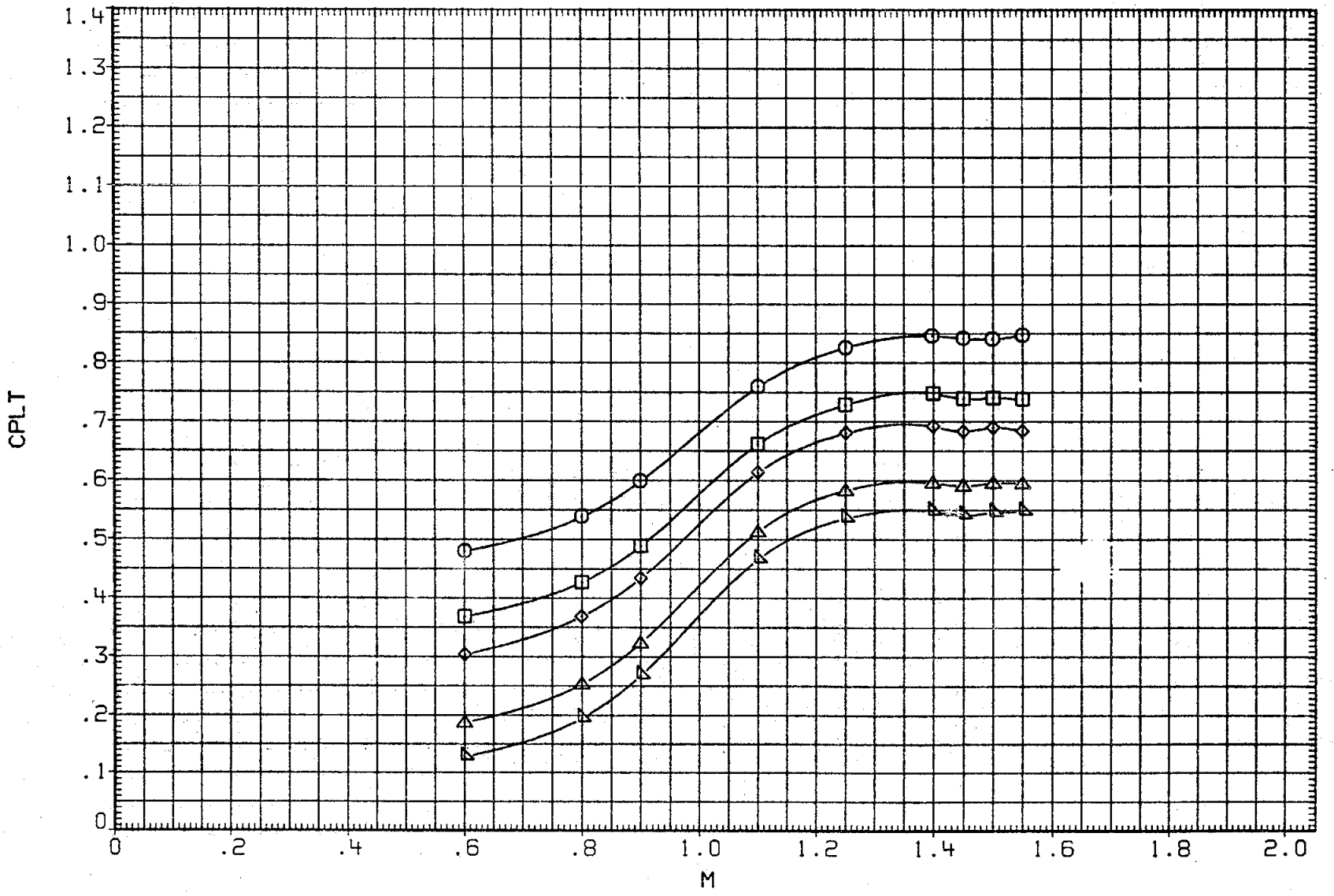

FIG. 16 CPLT CHARACTERISTICS

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

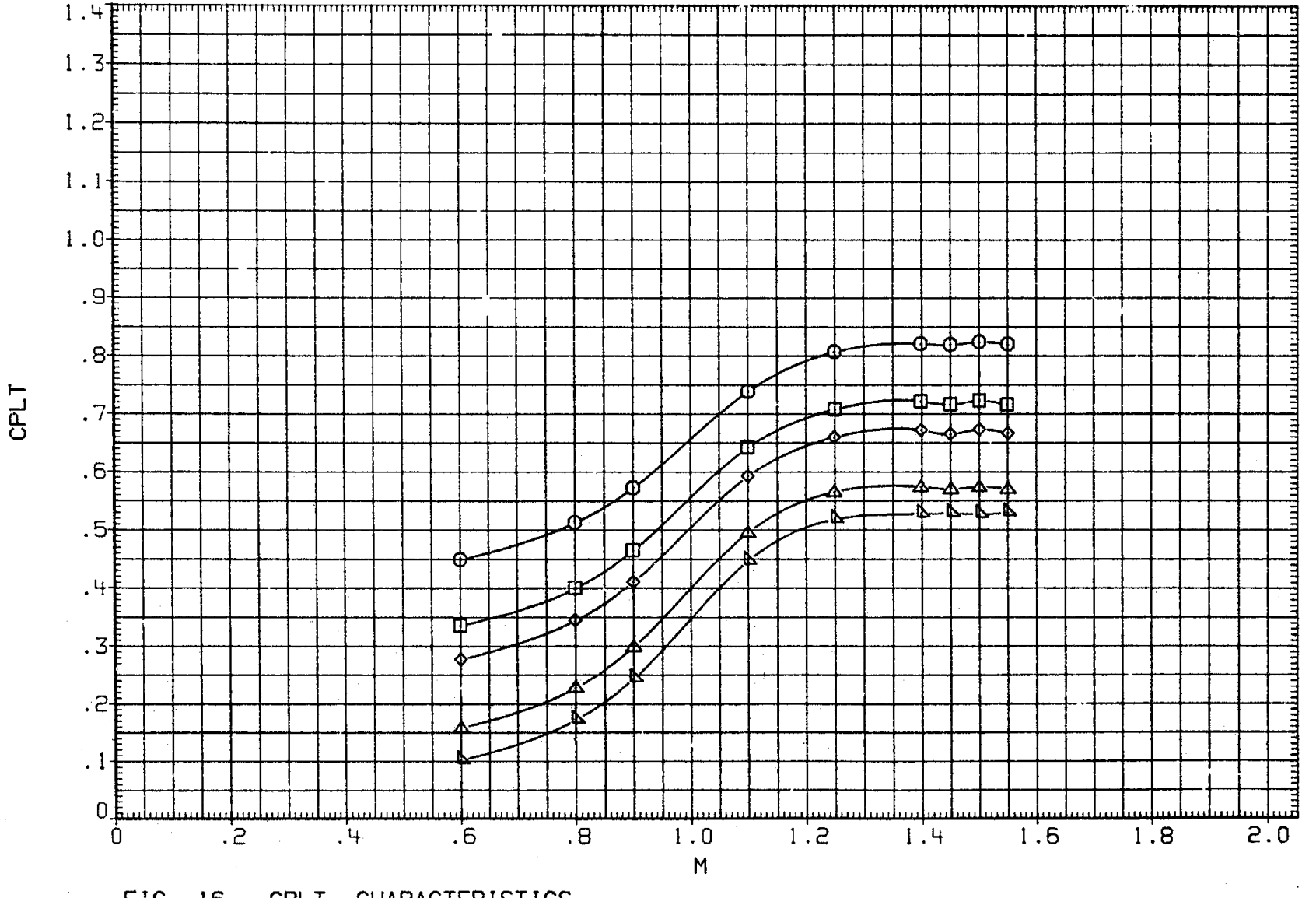

FIG. 16 CPLT CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

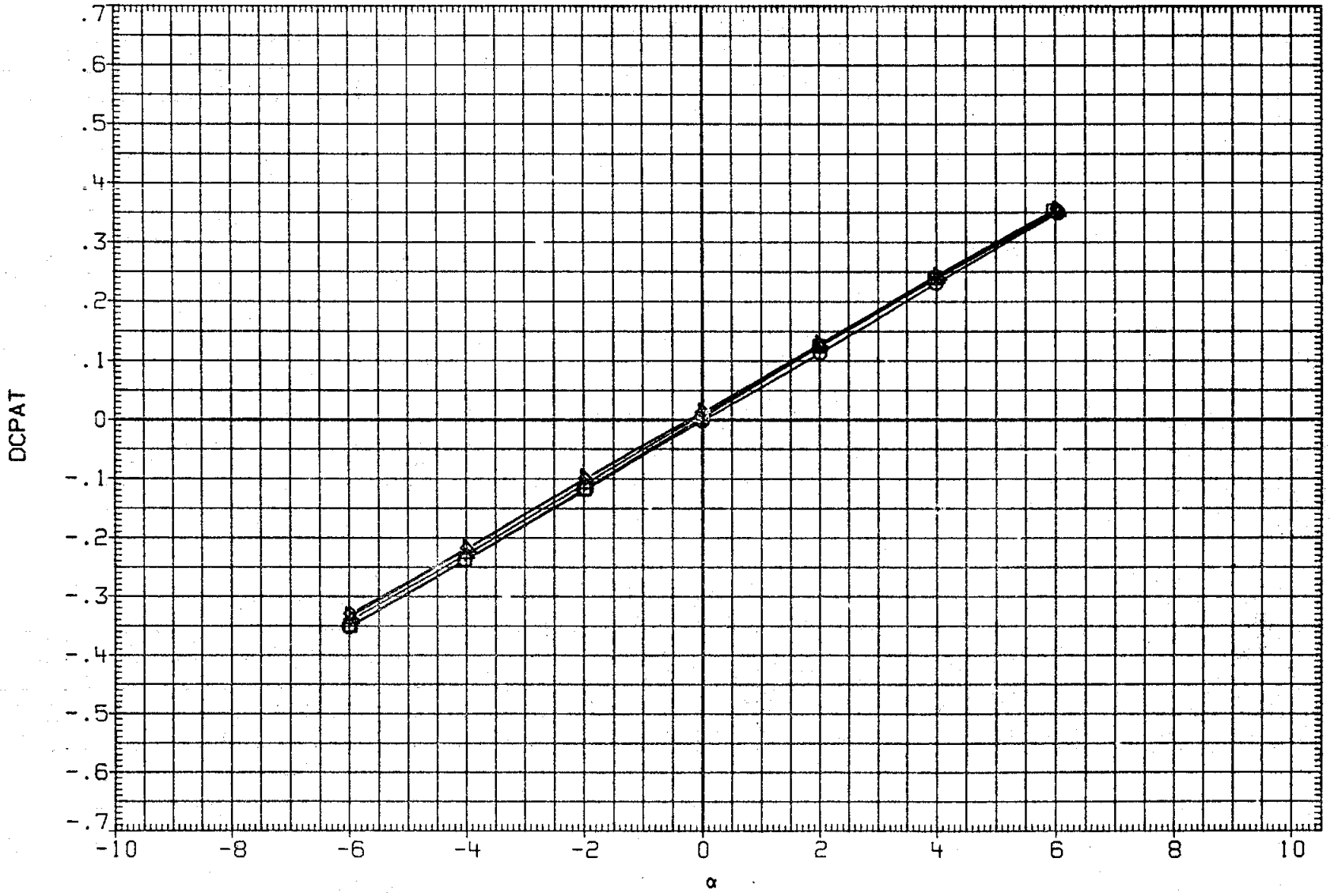

FIG. 17 DCPAT CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

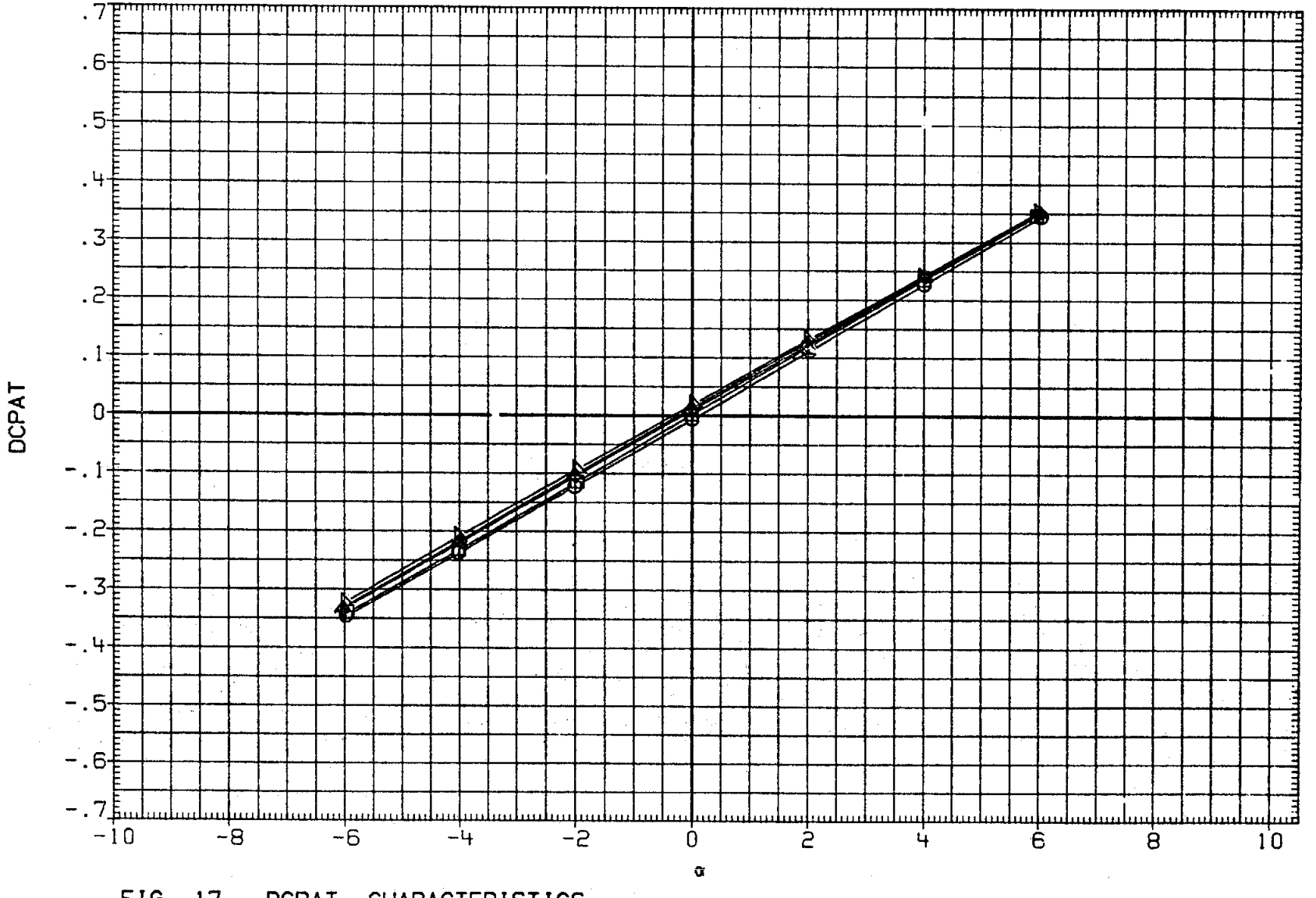

FIG. 17 DCPAT CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

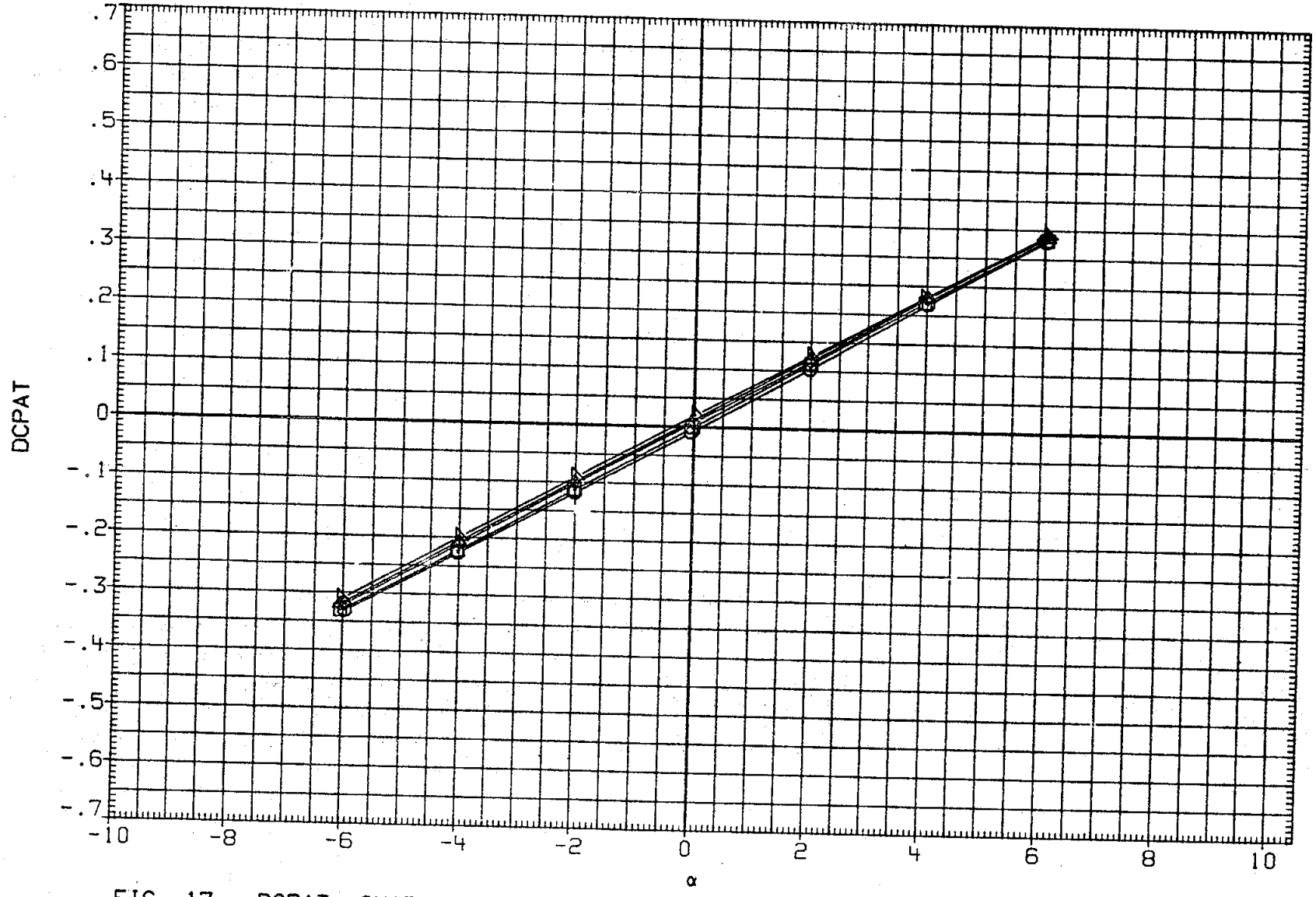

FIG. 17 DCPAT CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

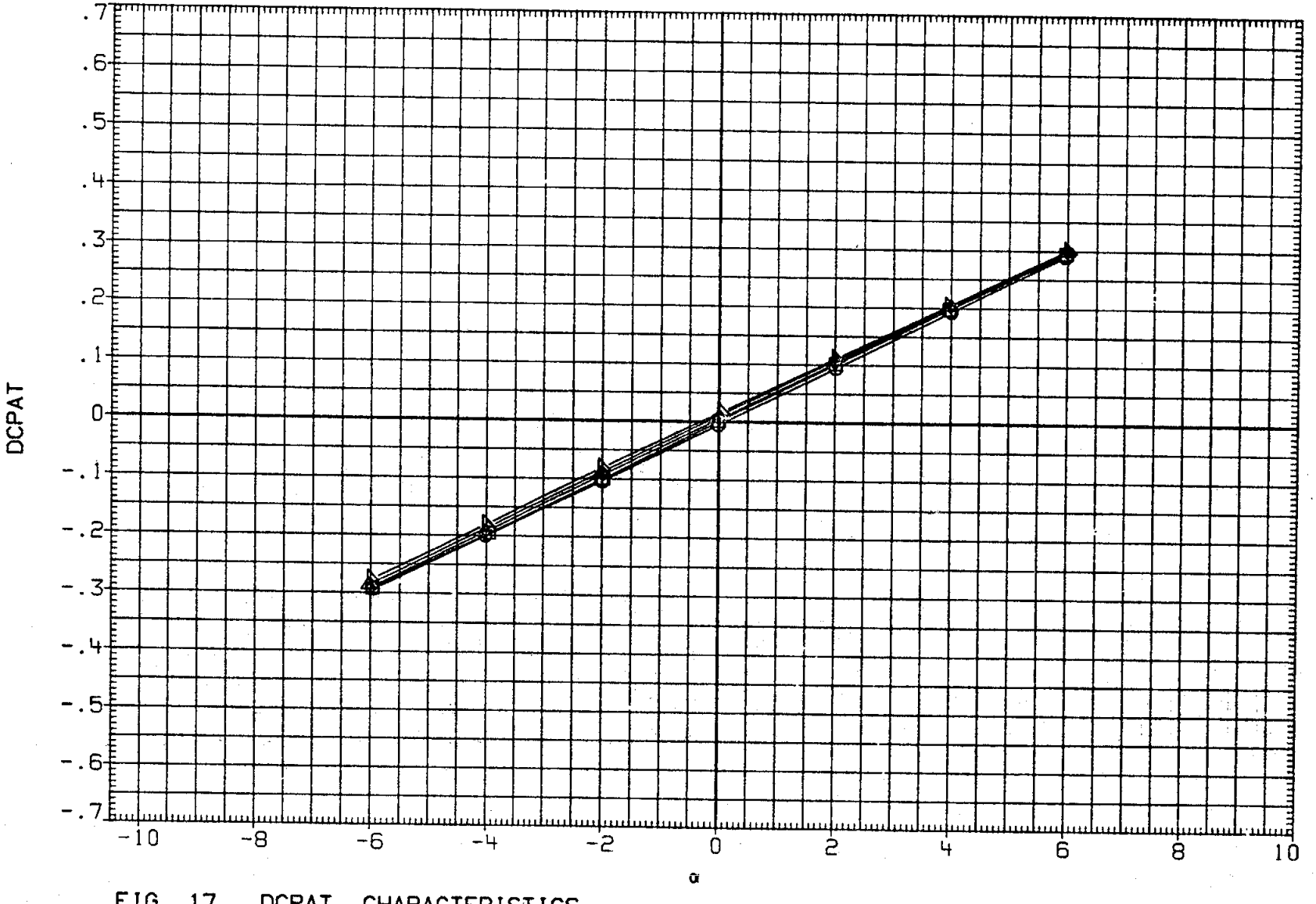

FIG. 17 DCPAT CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

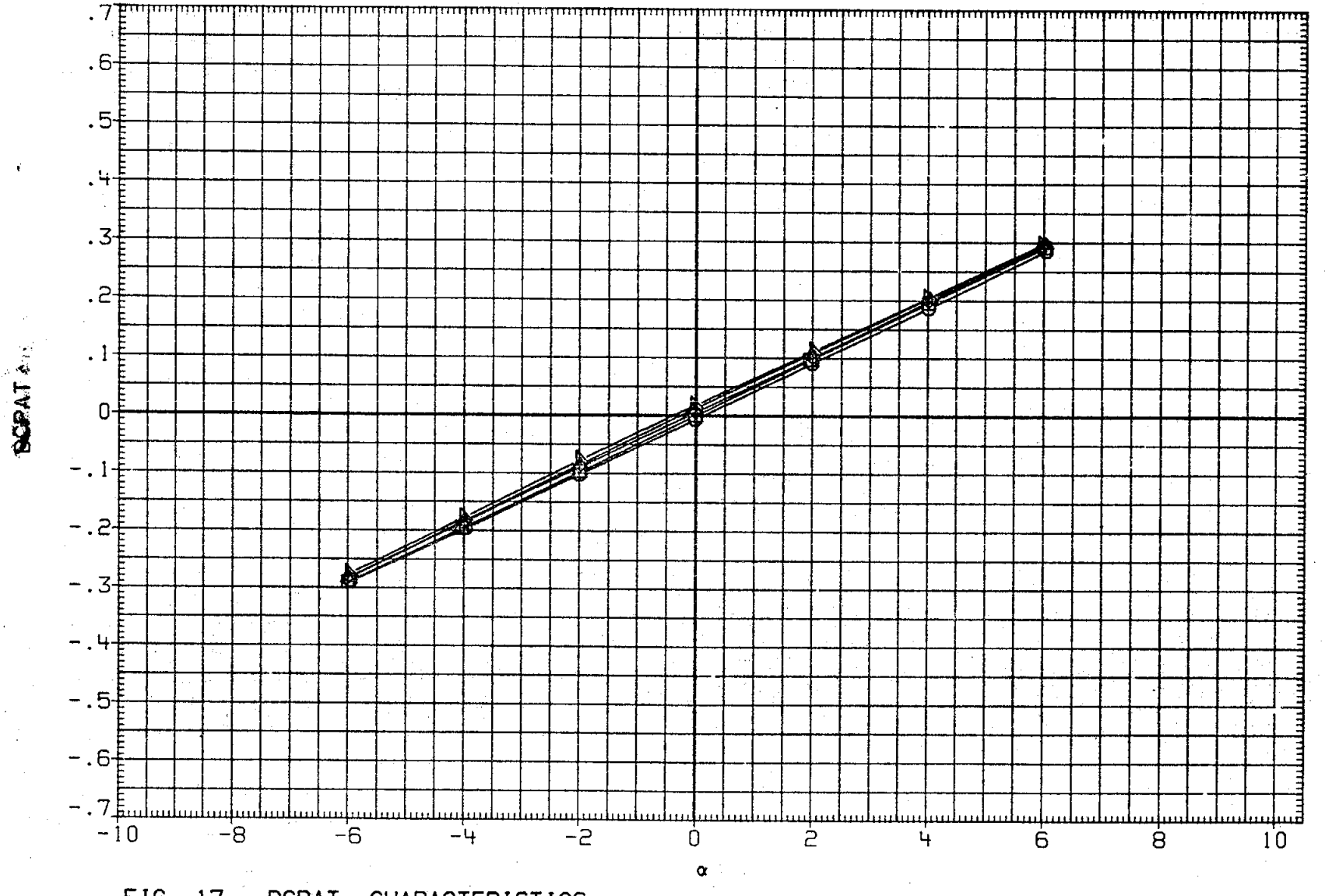

FIG. 17 DCPAT CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

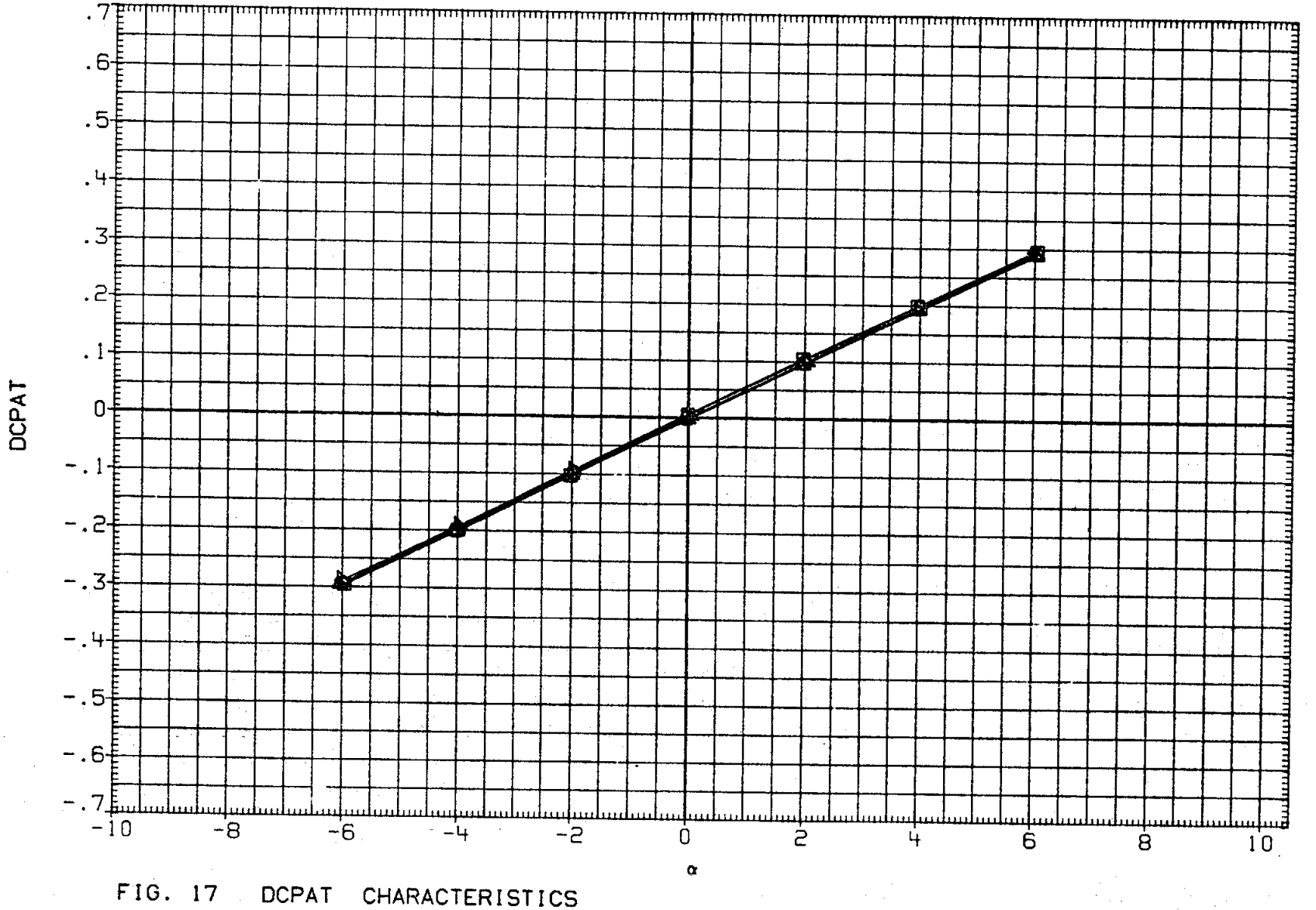

FIG. 17 DCPAT CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

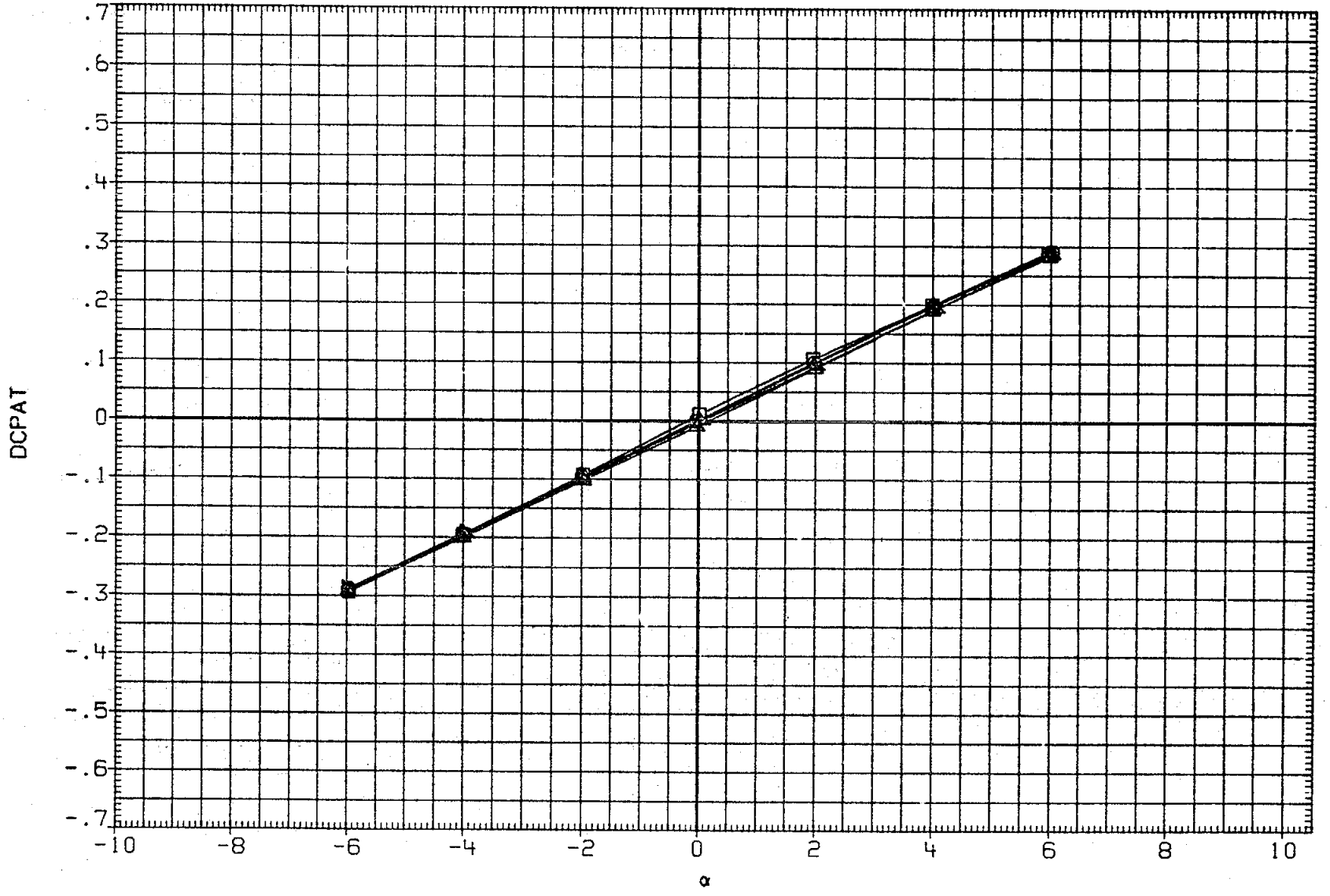

FIG. 17 DCPAT CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
14R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
14R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
14R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
14R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
14R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

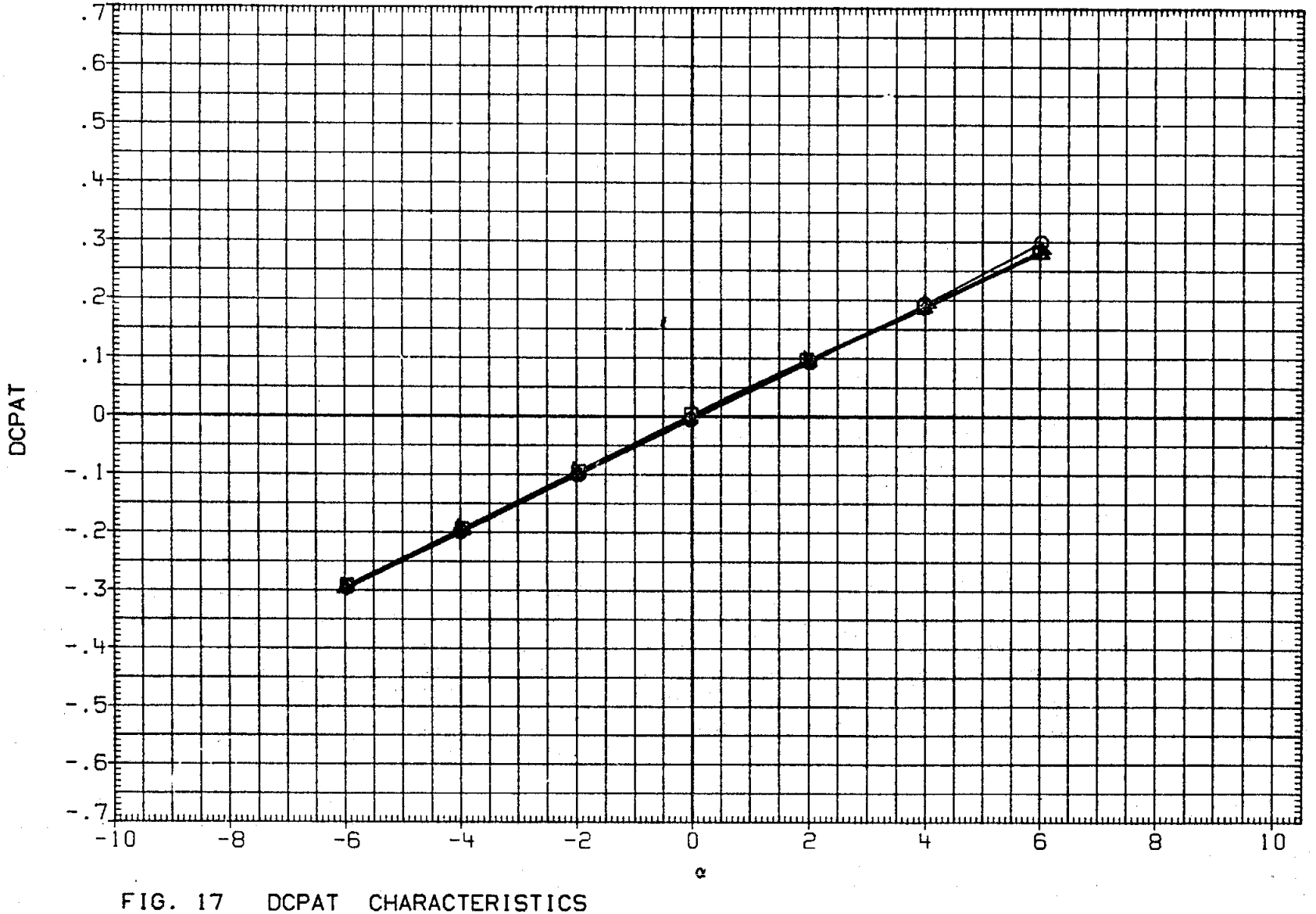

FIG. 17 DCPAT CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

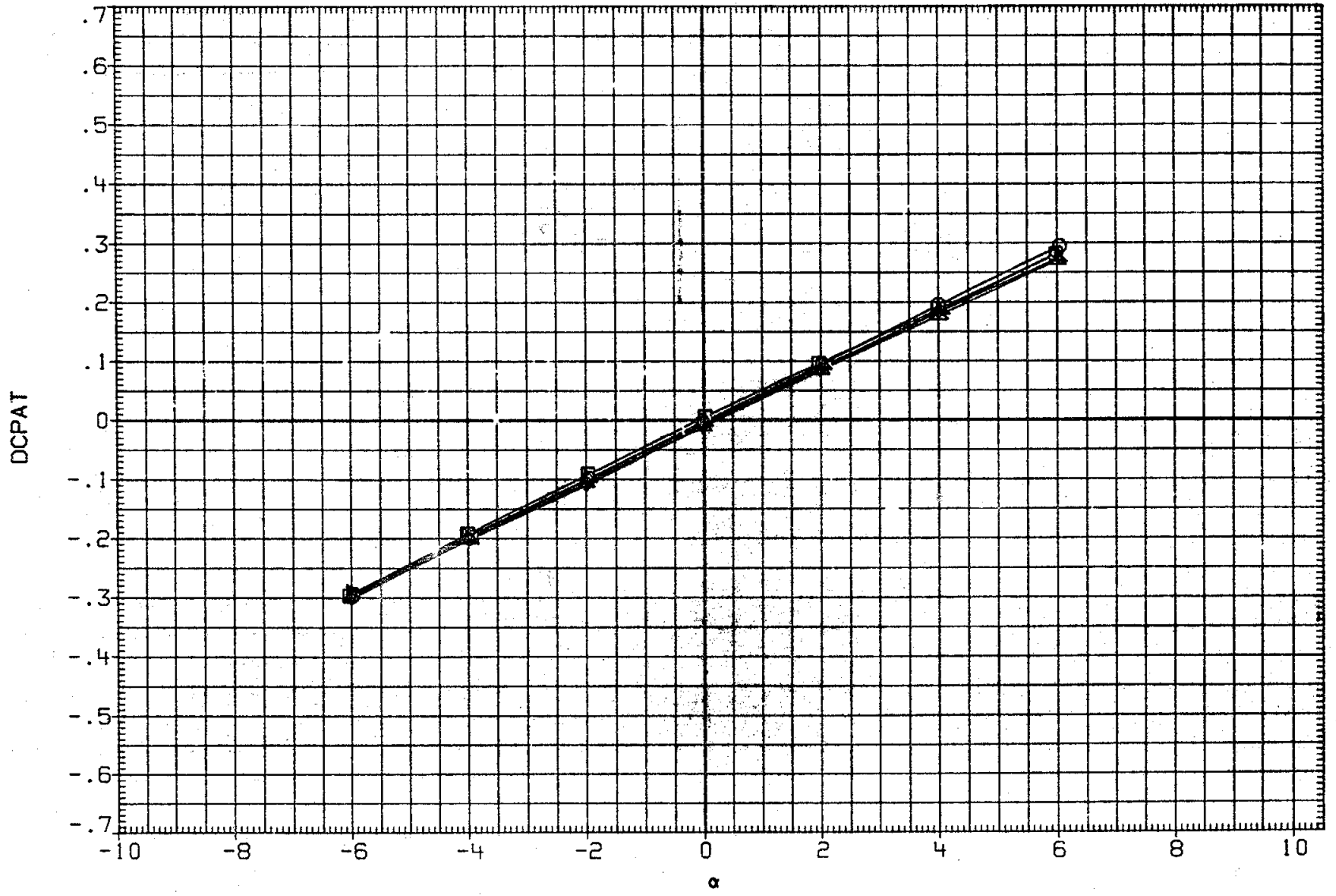

FIG. 17 DCPAT CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

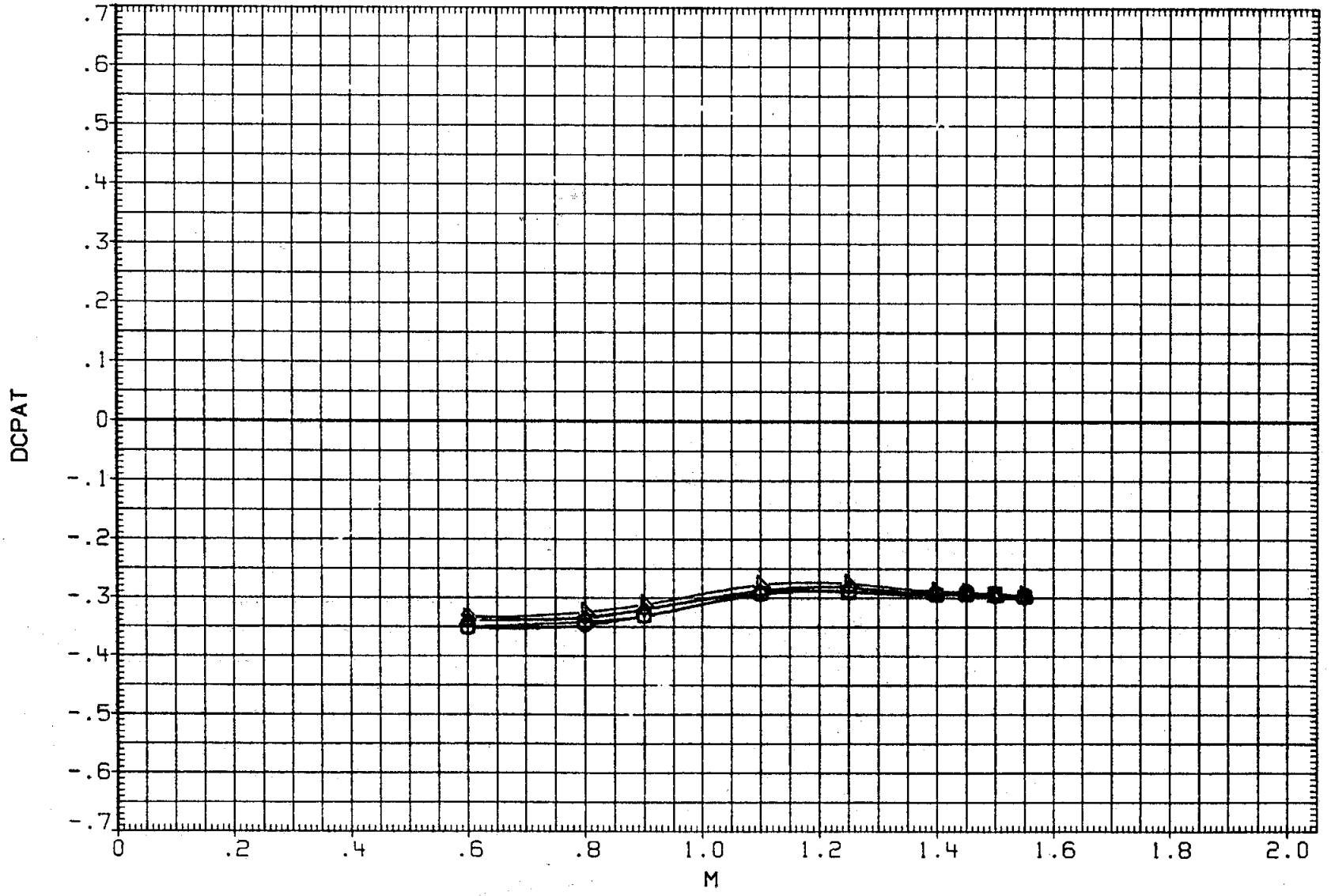

FIG. 17 DCPAT CHARACTERISTICS

(A) ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

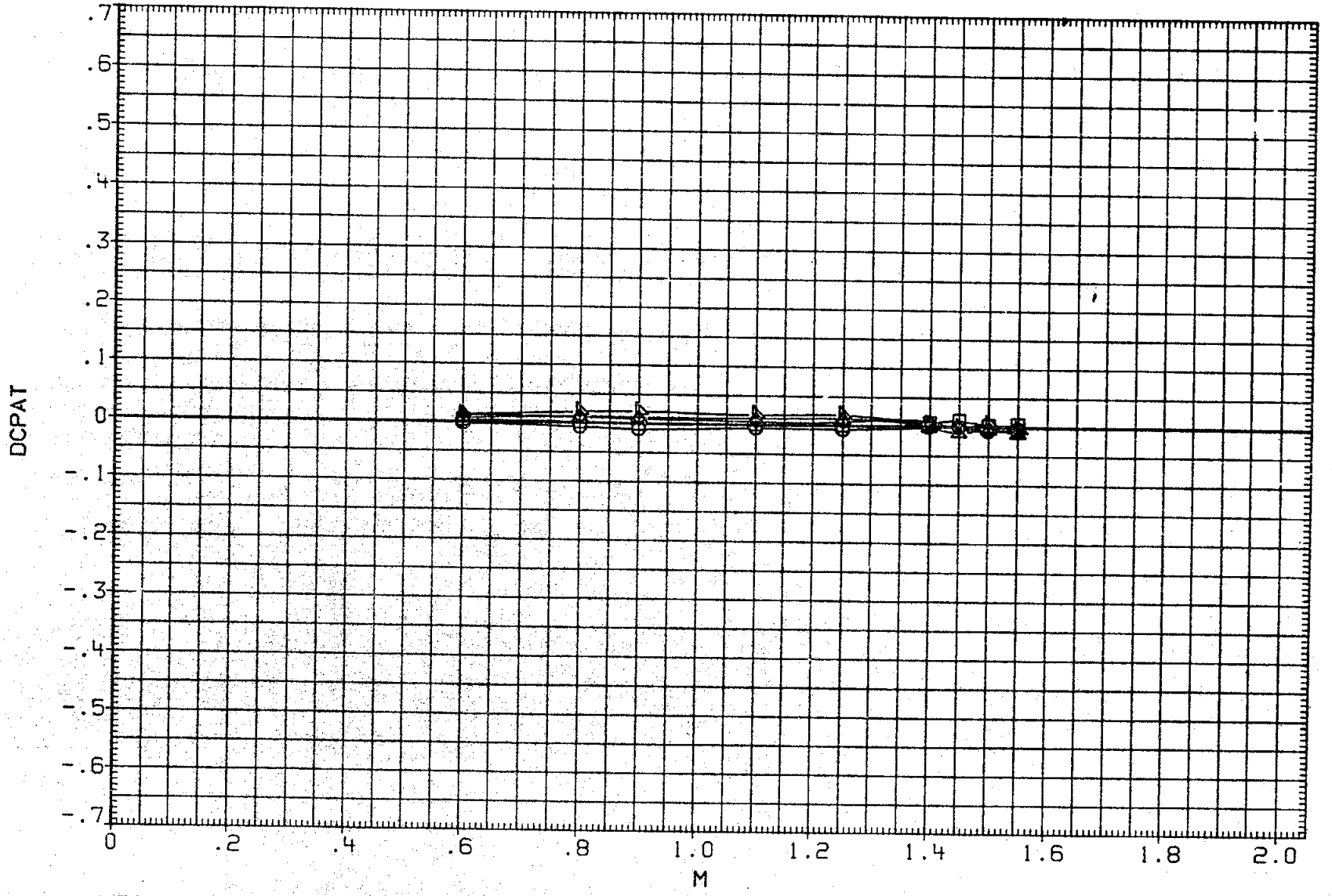

FIG. 17 DCPAT CHARACTERISTICS

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

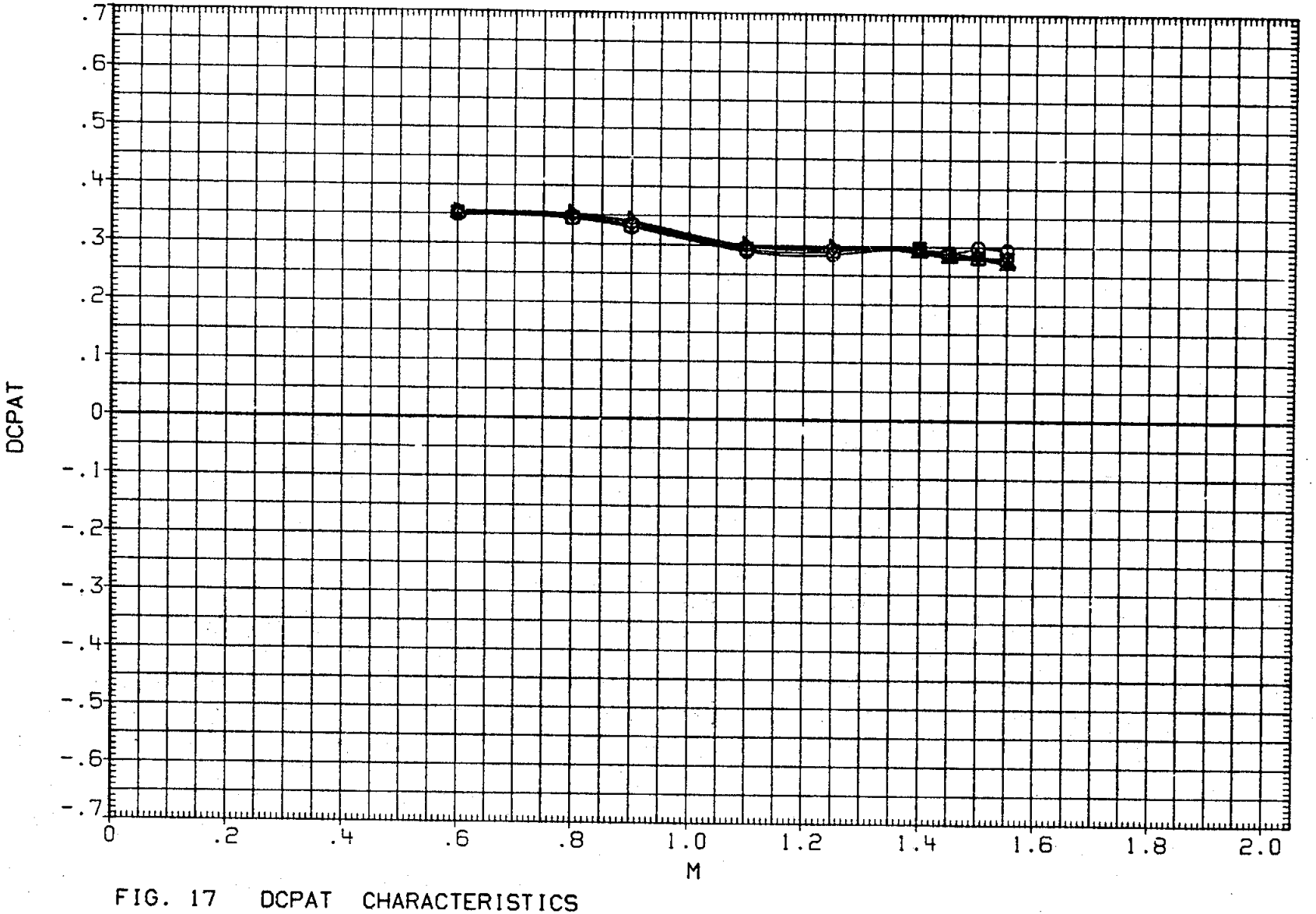

FIG. 17 DCPAT CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.638
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

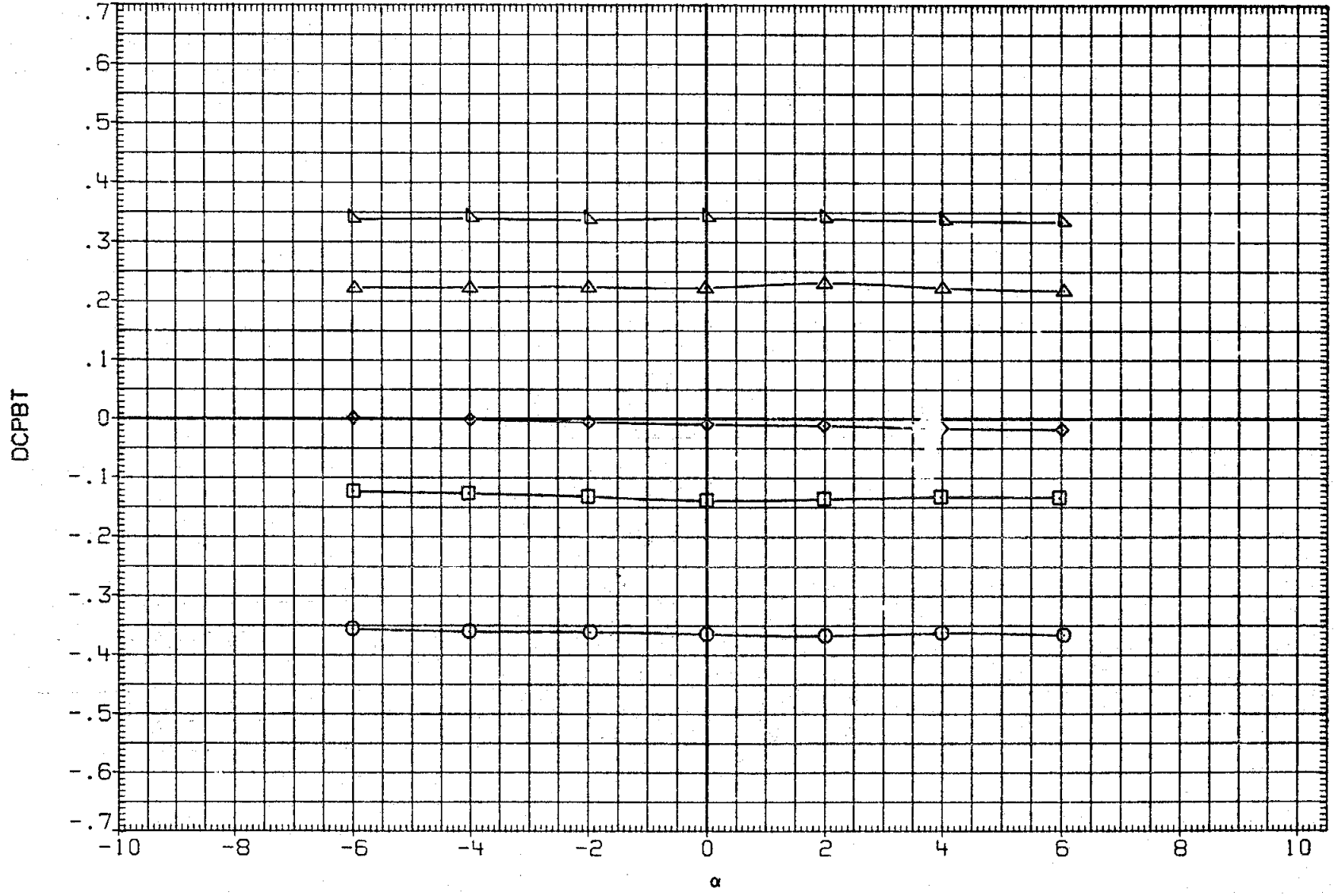

FIG. 18 DCPBT CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

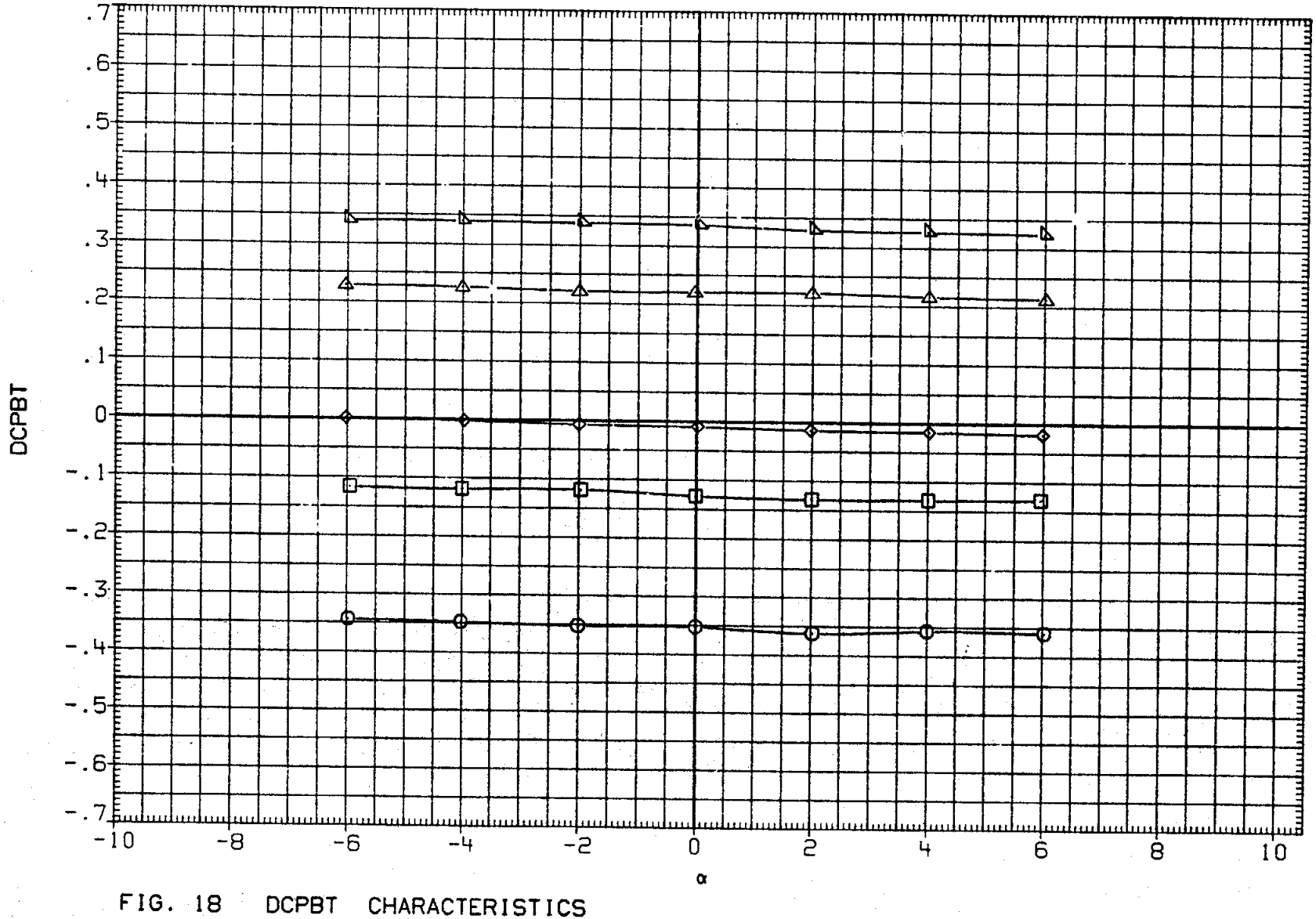

FIG. 18 DCPBT CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

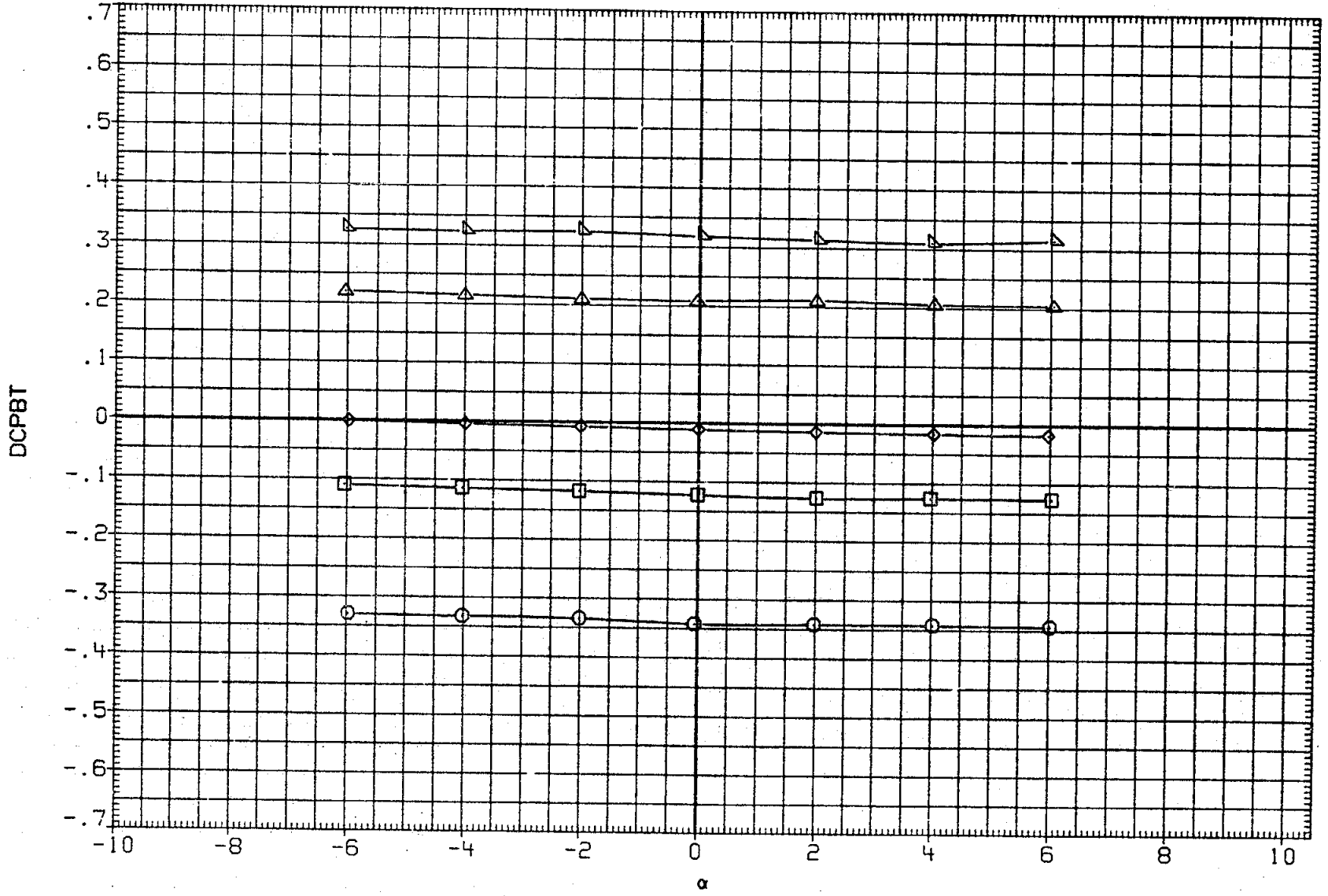

FIG. 18 DCPBT CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

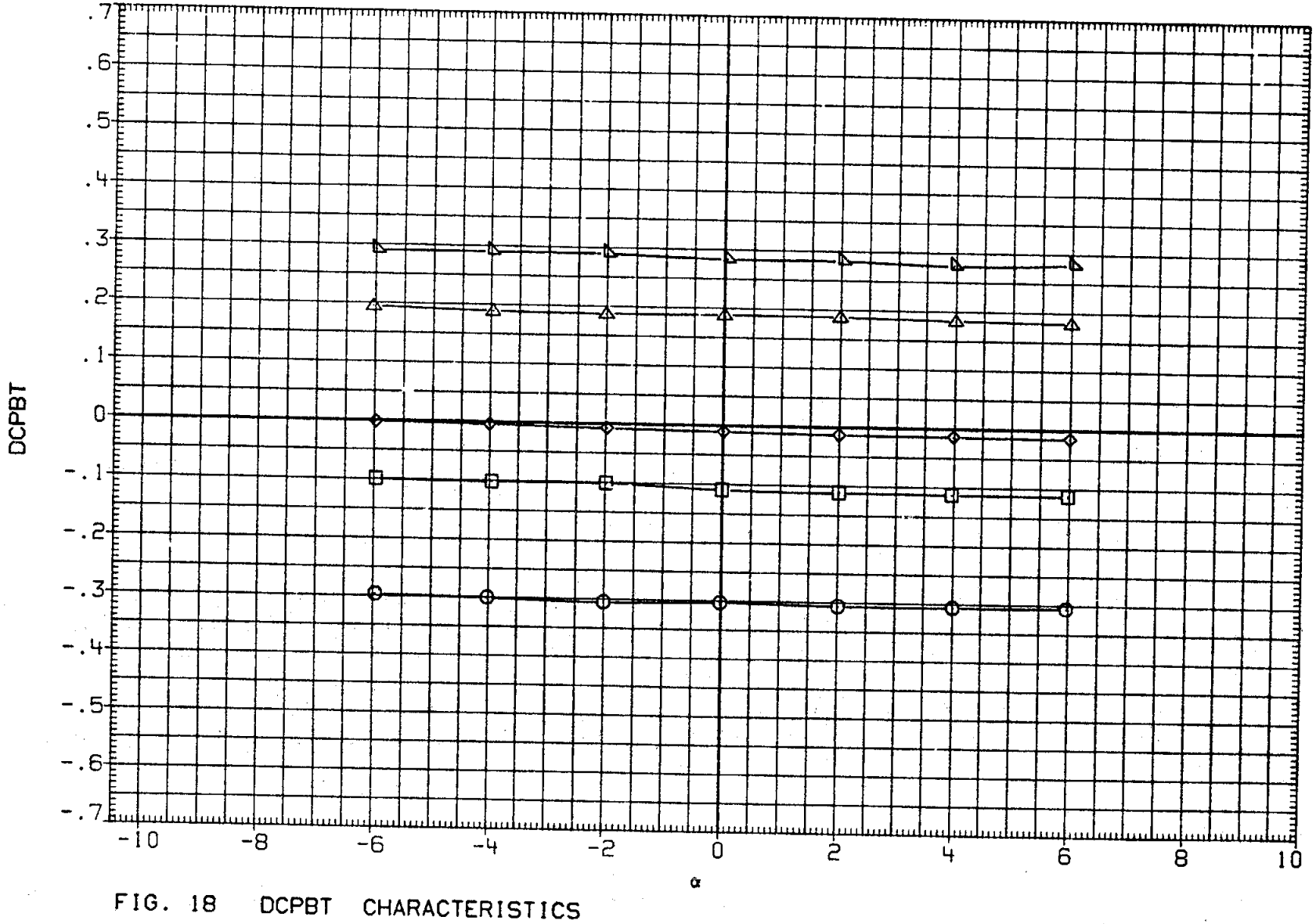

FIG. 18 DCPBT CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

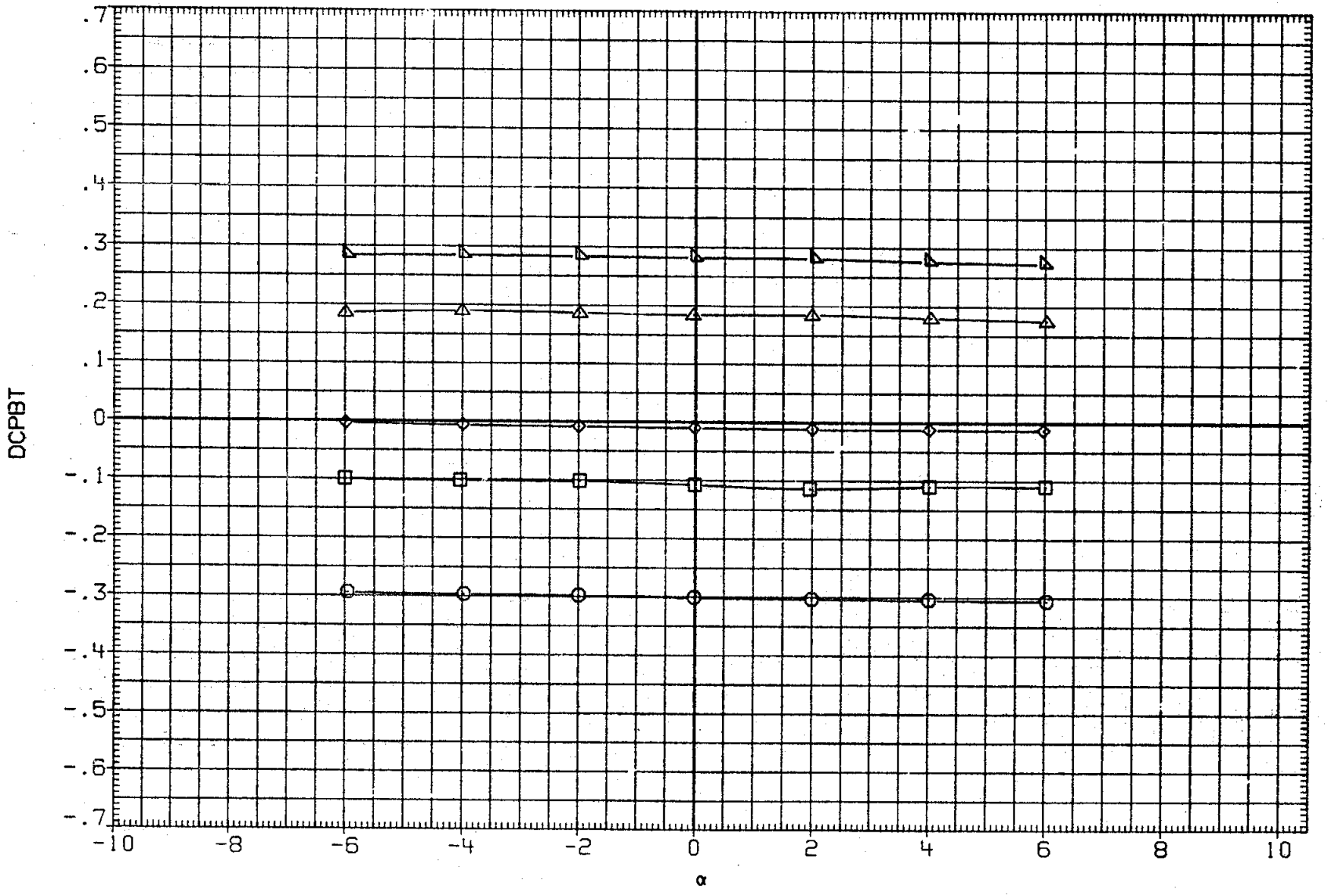

FIG. 18 DCPBT CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

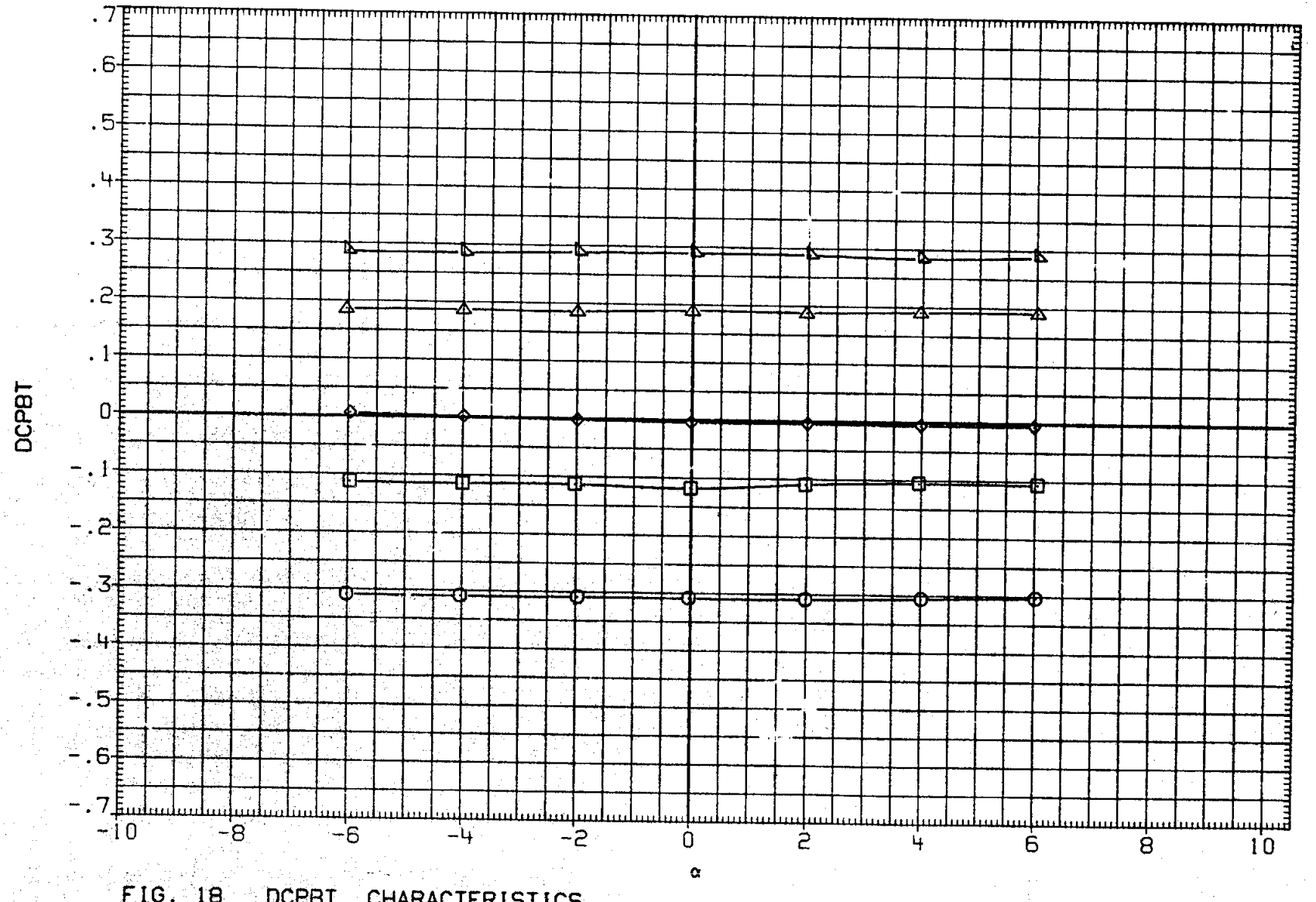

FIG. 18 DCPBT CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

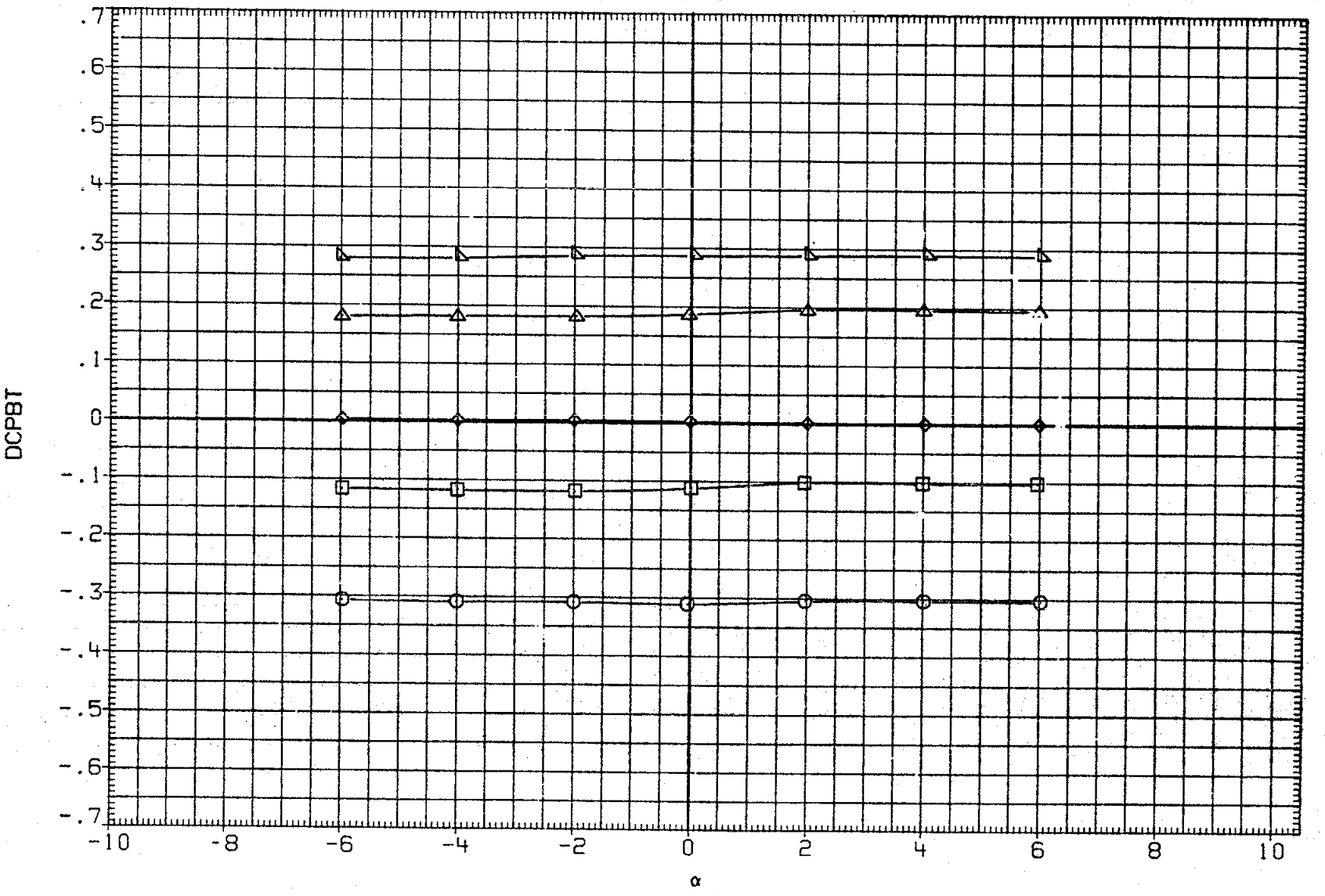

FIG. 18 DCPBT CHARACTERISTICS

(C)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

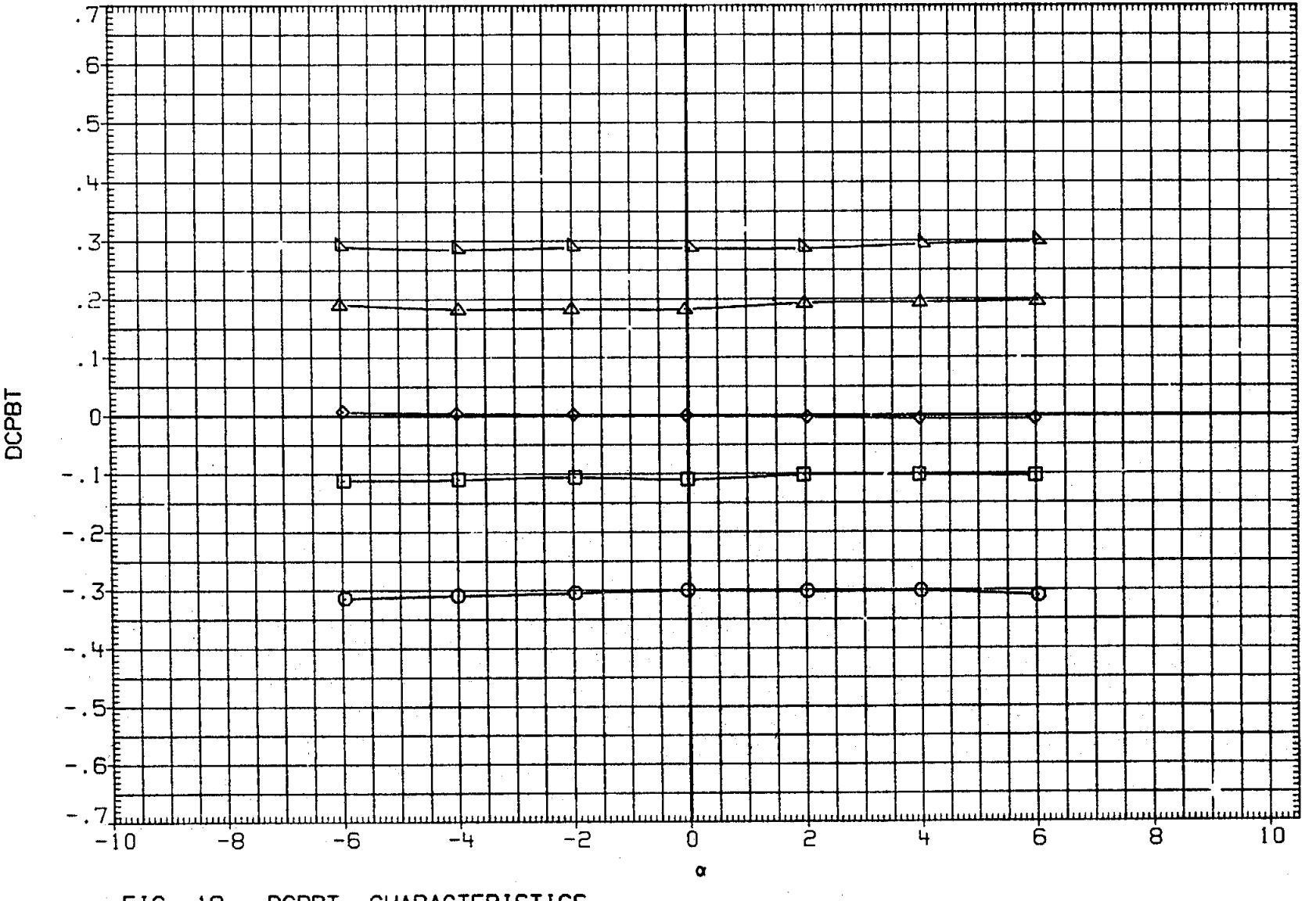

FIG. 18 DCPBT CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

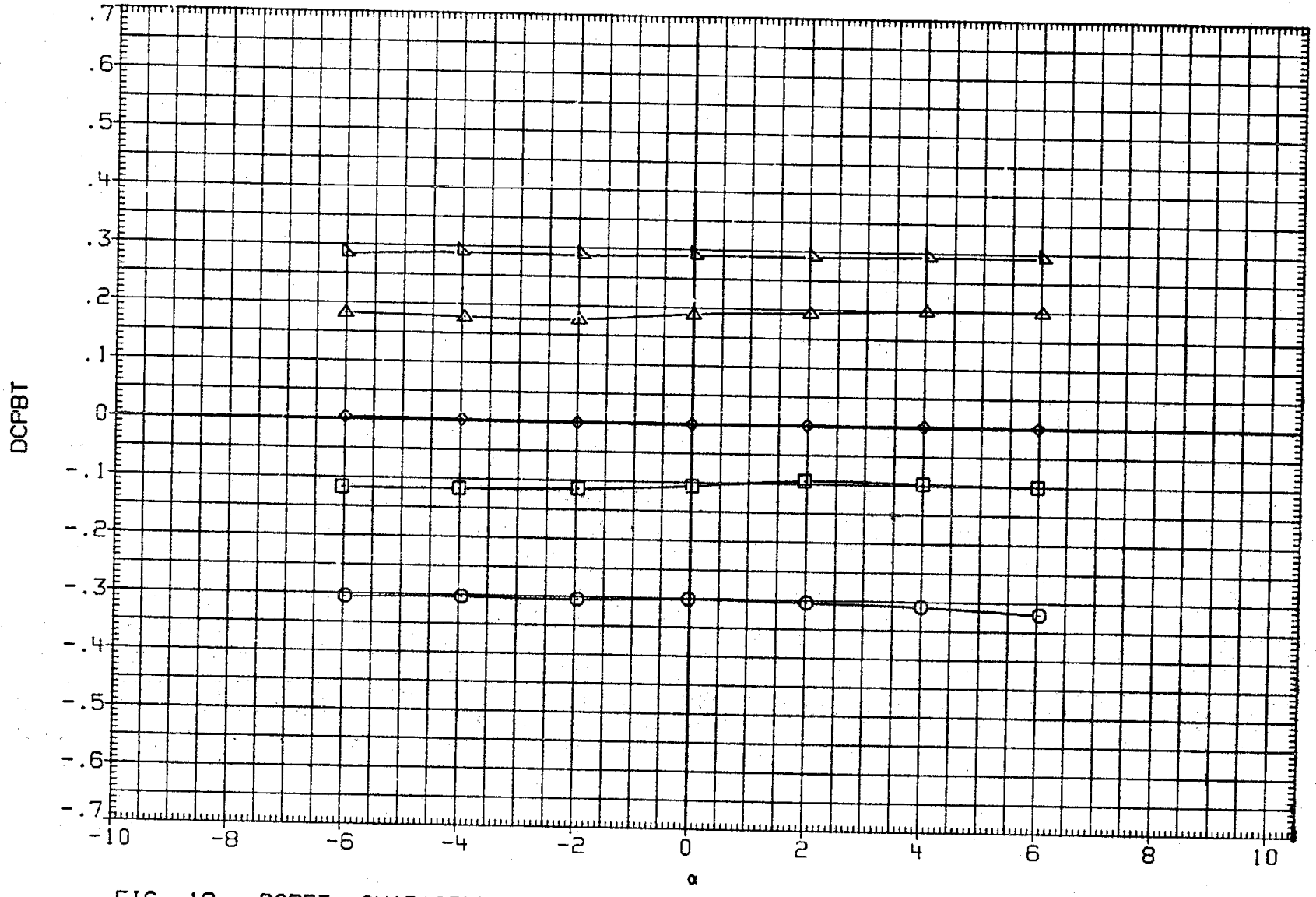

FIG. 18 DCPBT CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

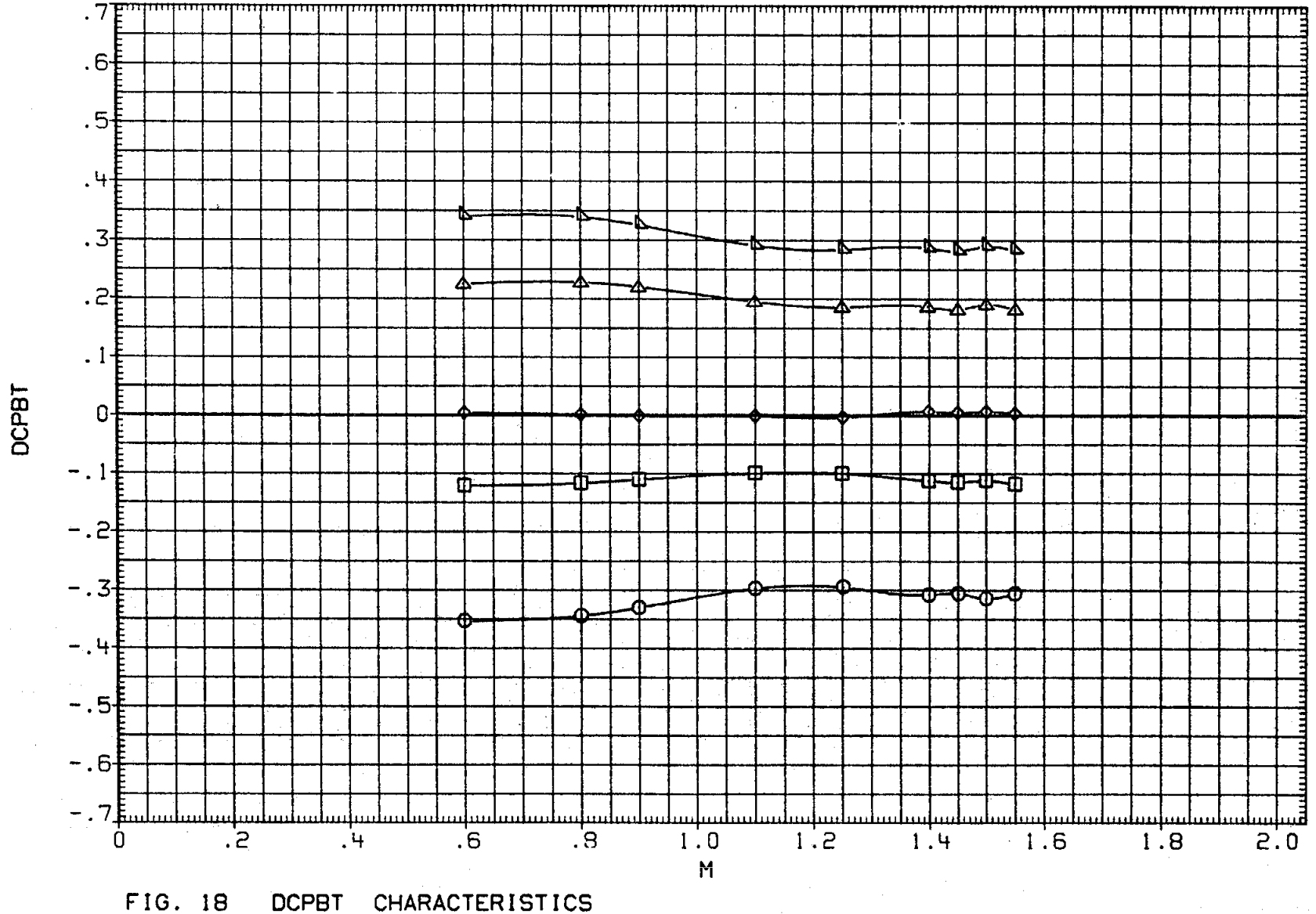

FIG. 18 DCPBT CHARACTERISTICS

(A) ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

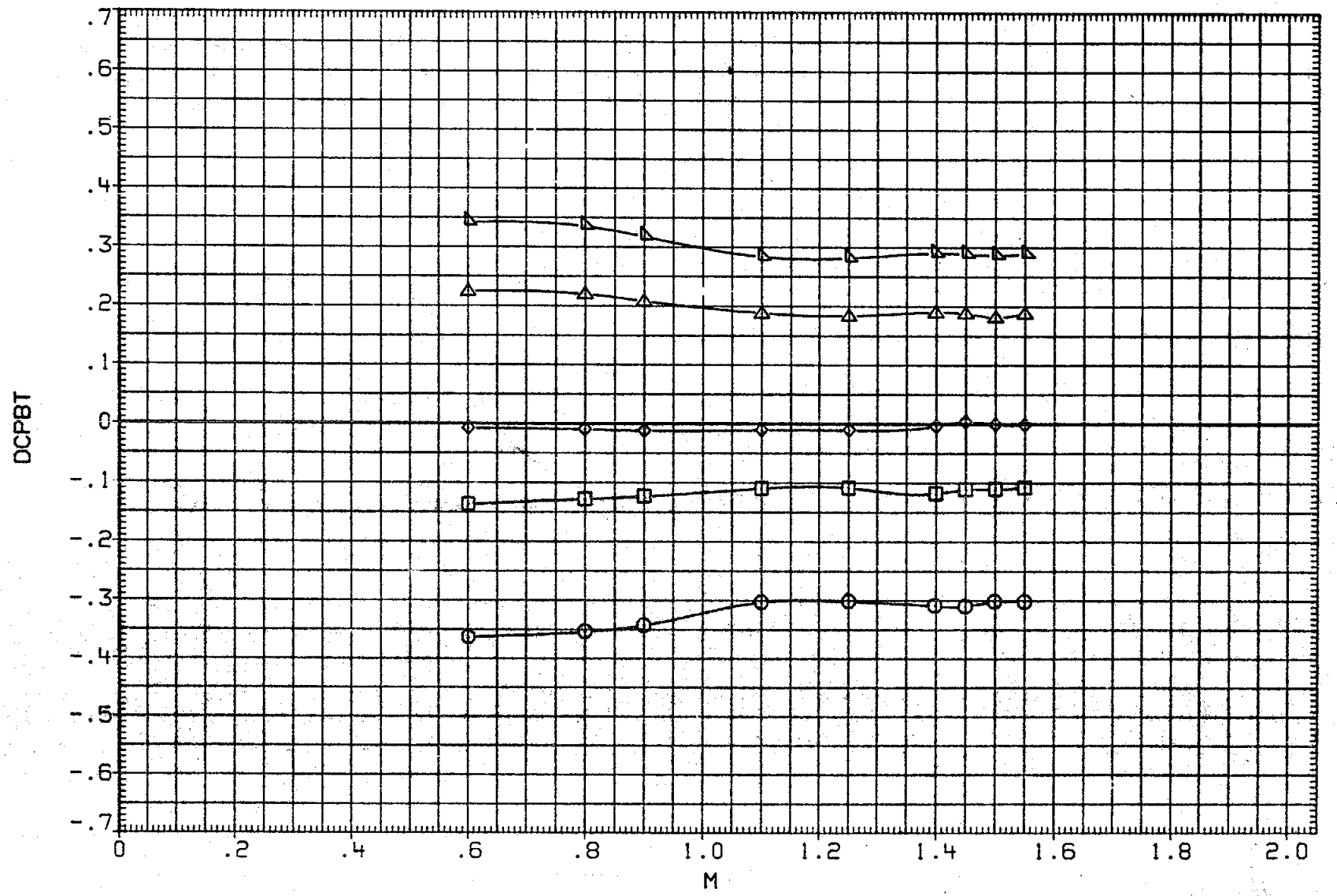

FIG. 18 DCPBT CHARACTERISTICS

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
I4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
I4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
I4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
I4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
I4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

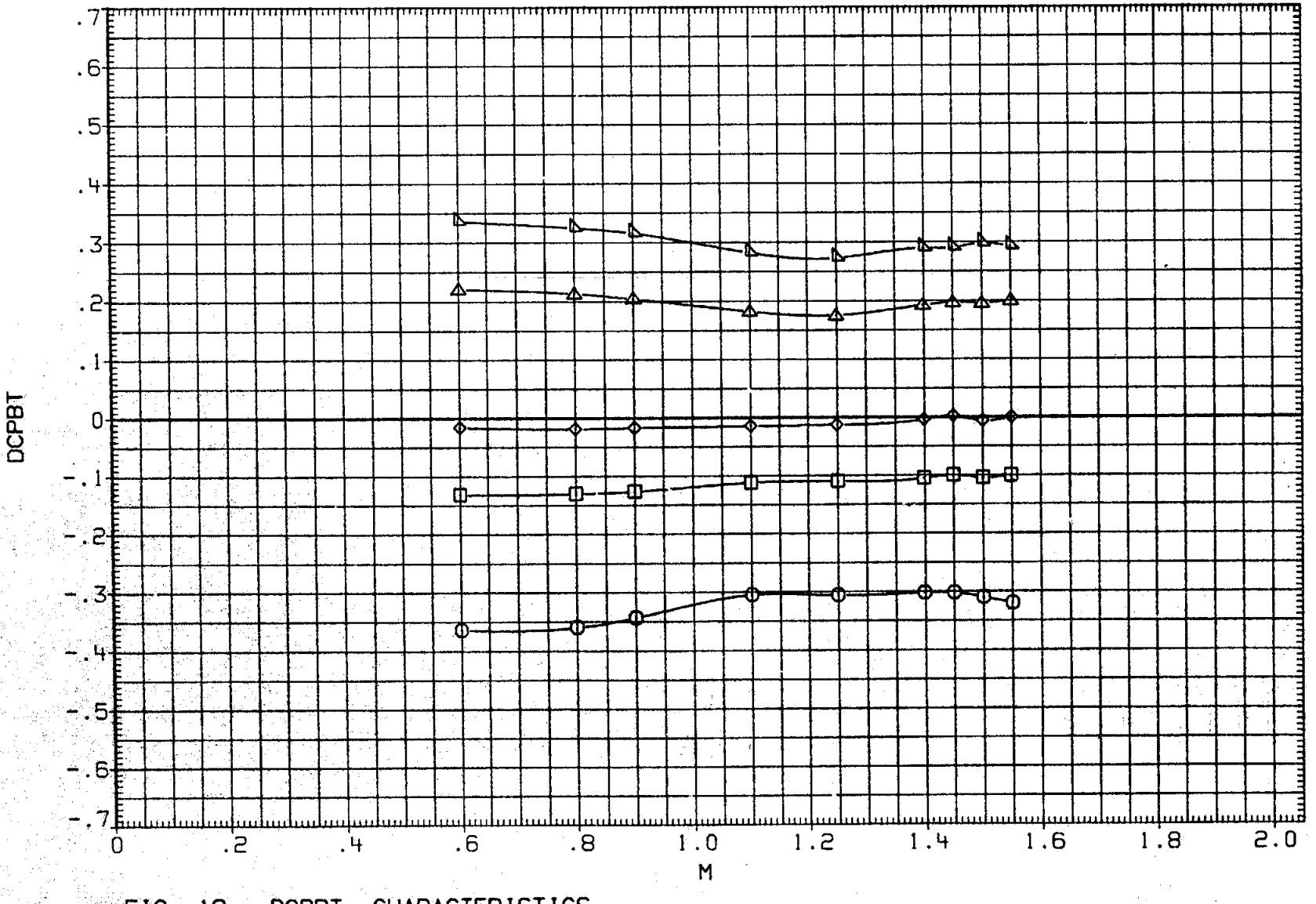

FIG. 18 DCPBT CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

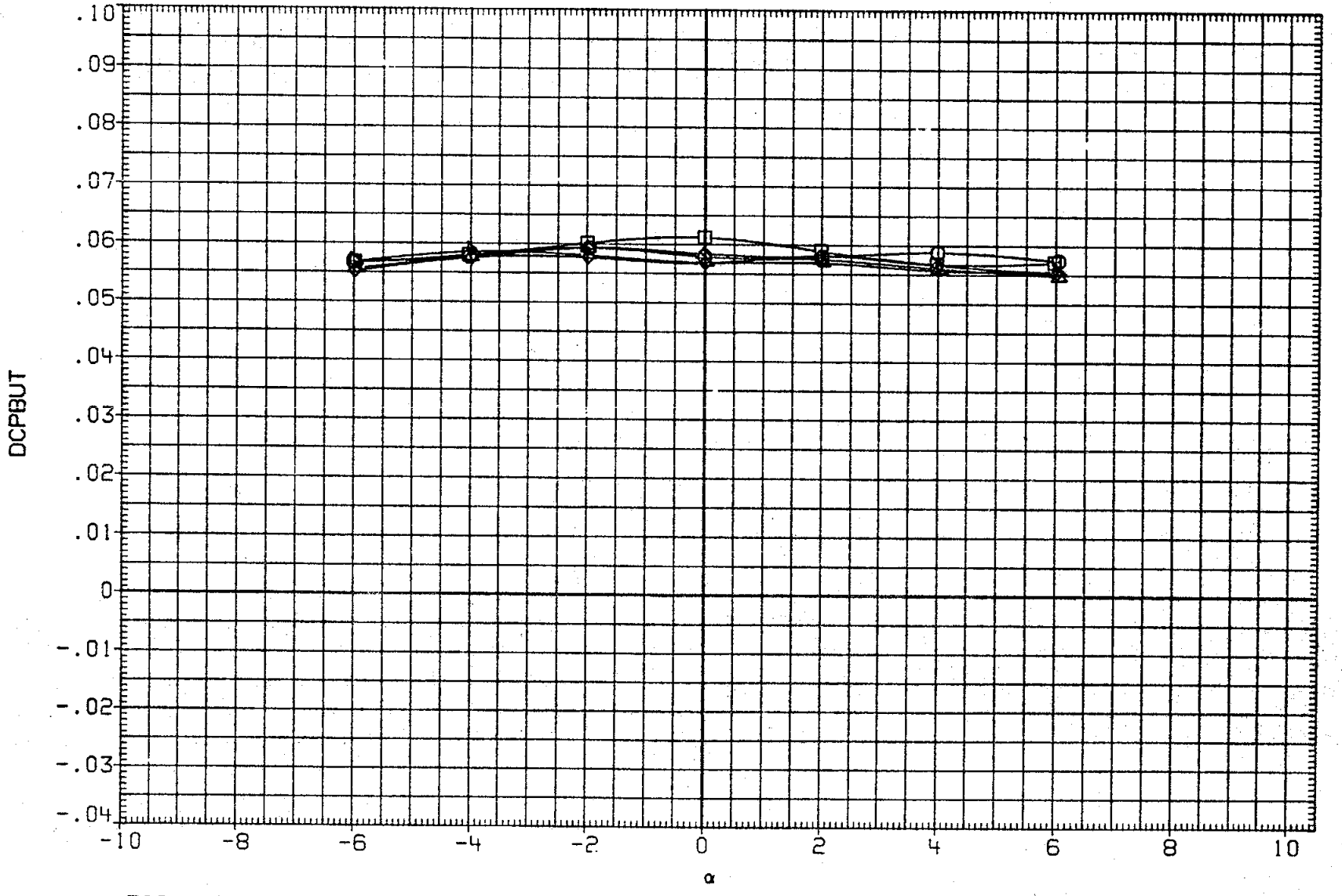

FIG. 19 DCPBUT CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

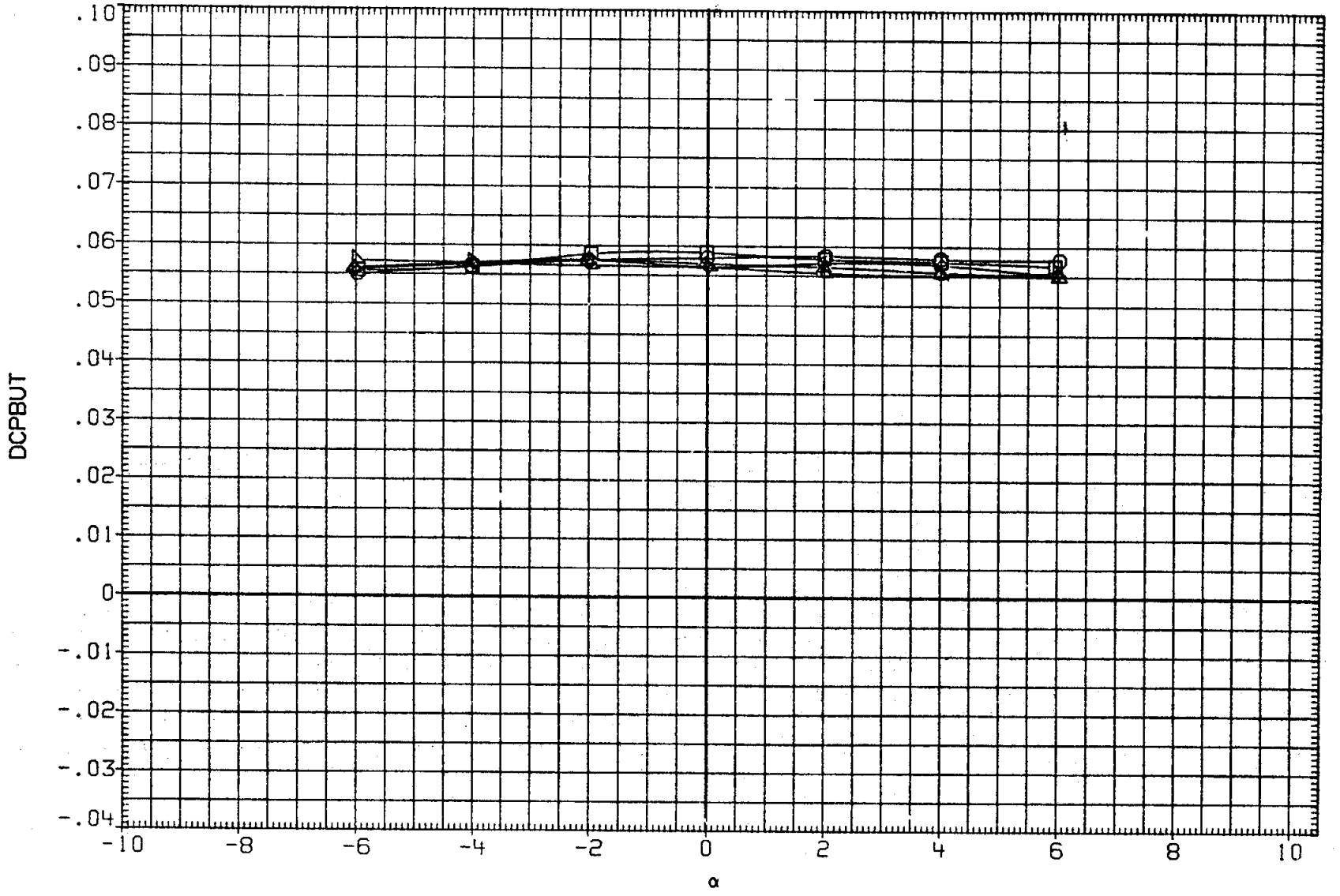

FIG. 19 DCPBUT CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

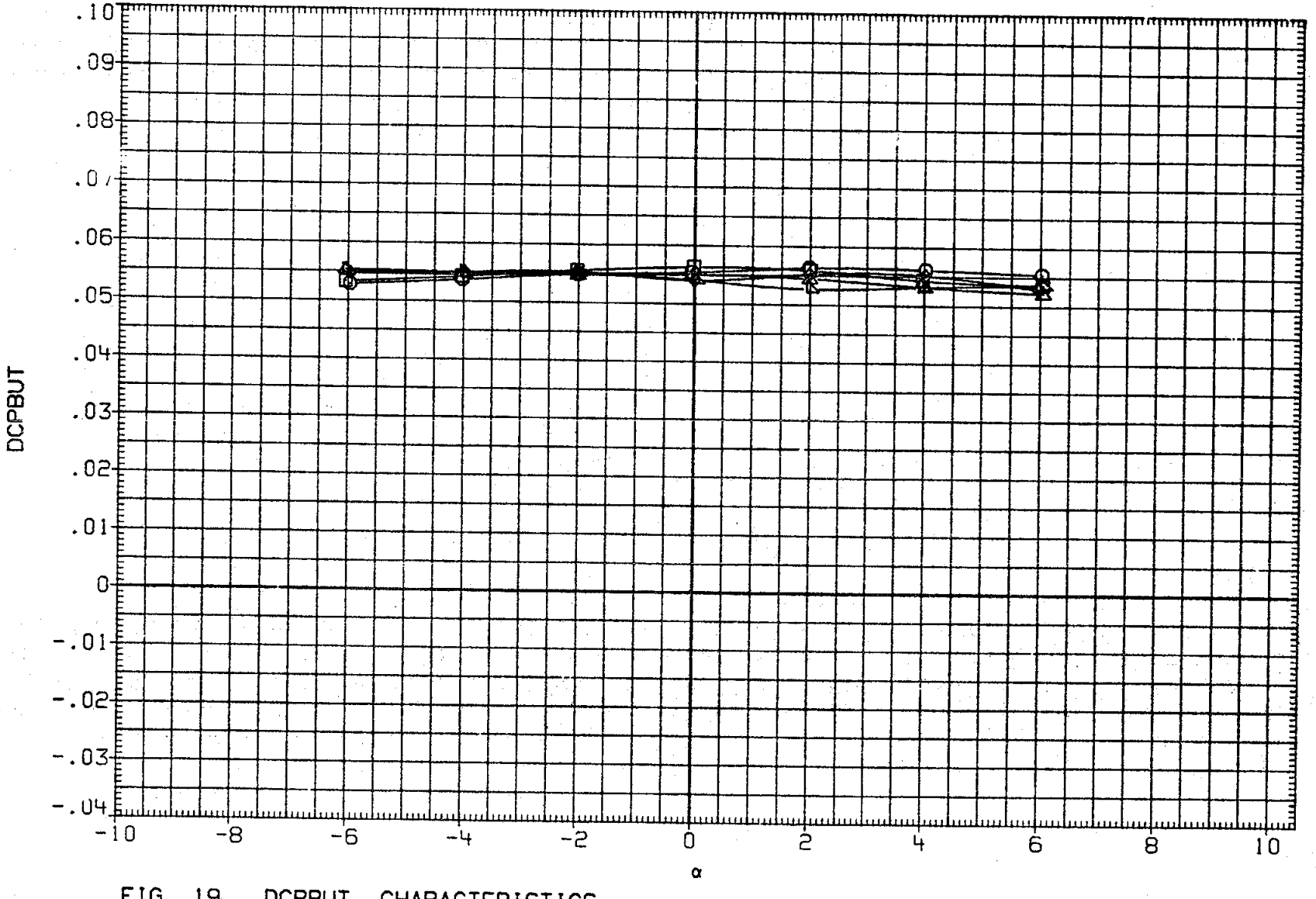

FIG. 19 DCPBUT CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

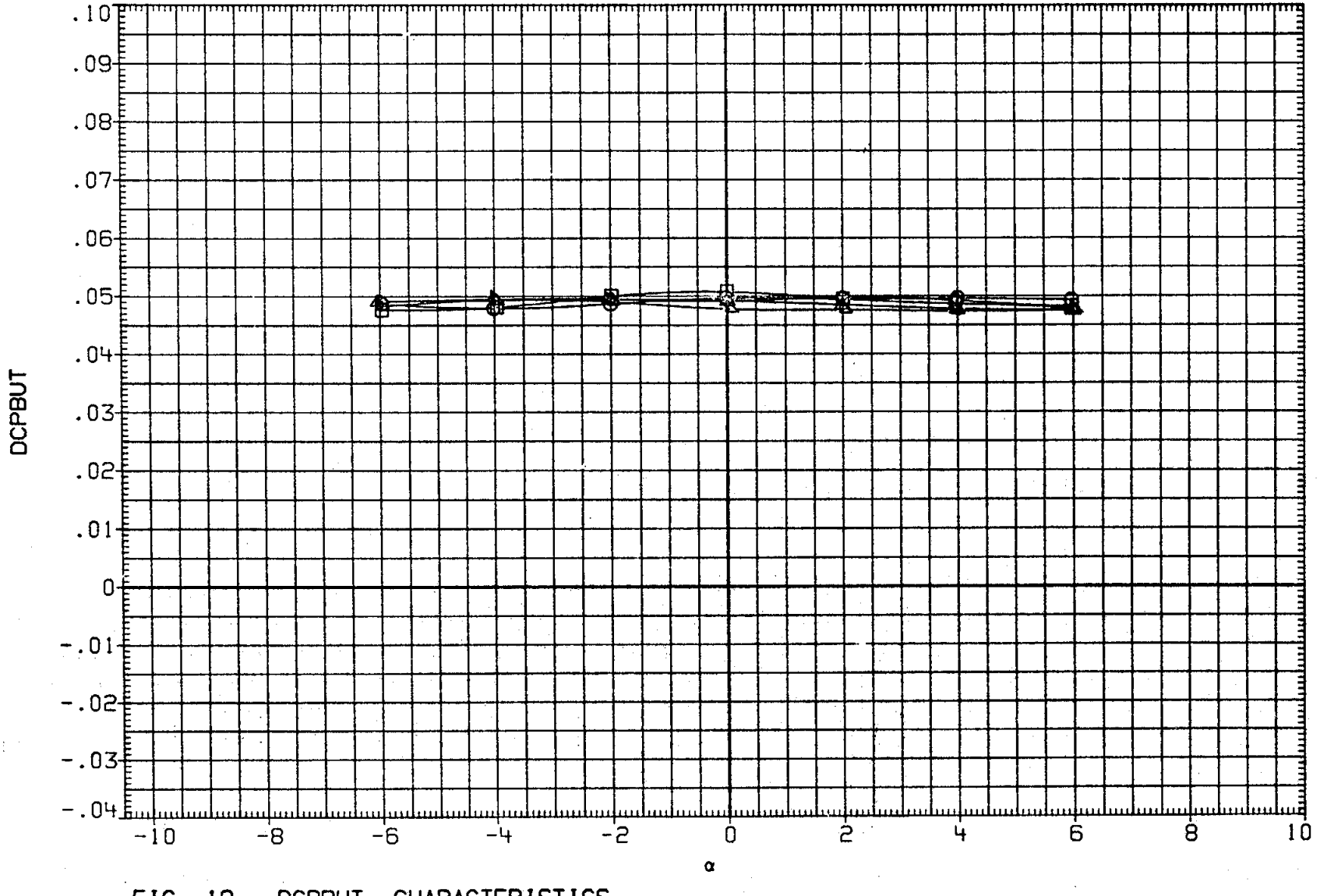

FIG. 19 DCPBUT CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

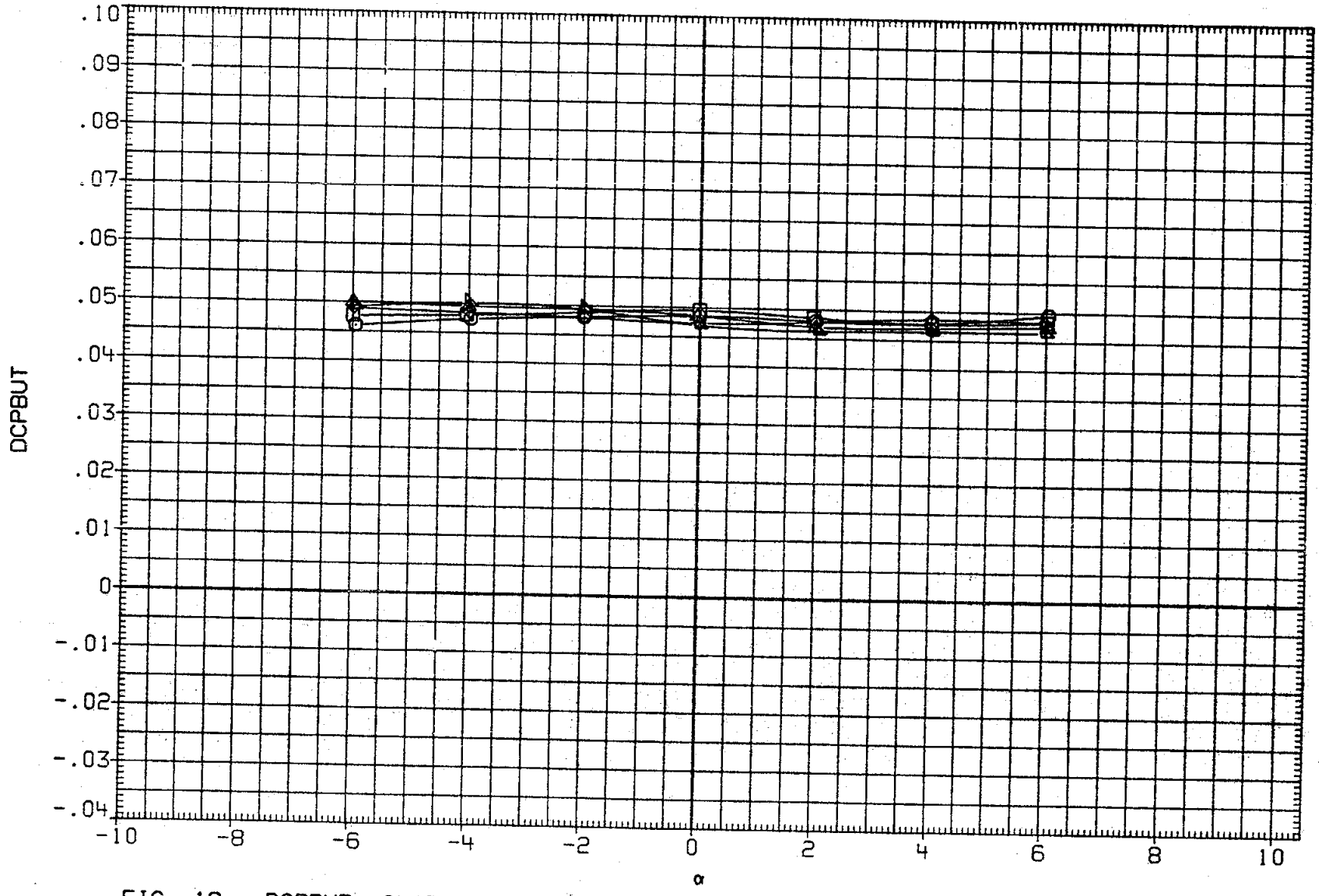

FIG. 19 DCPBUT CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

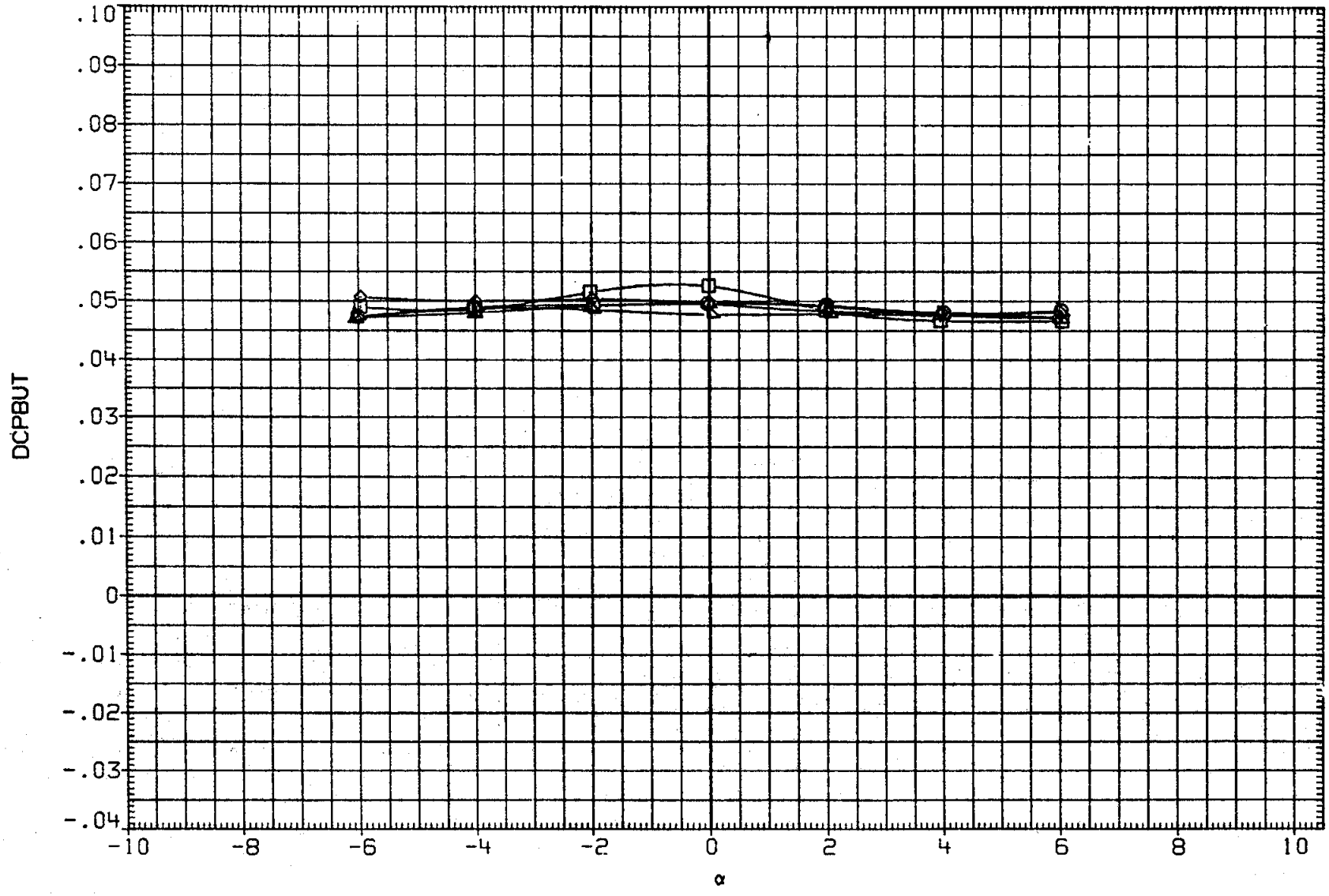

FIG. 19 DCPBUT CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

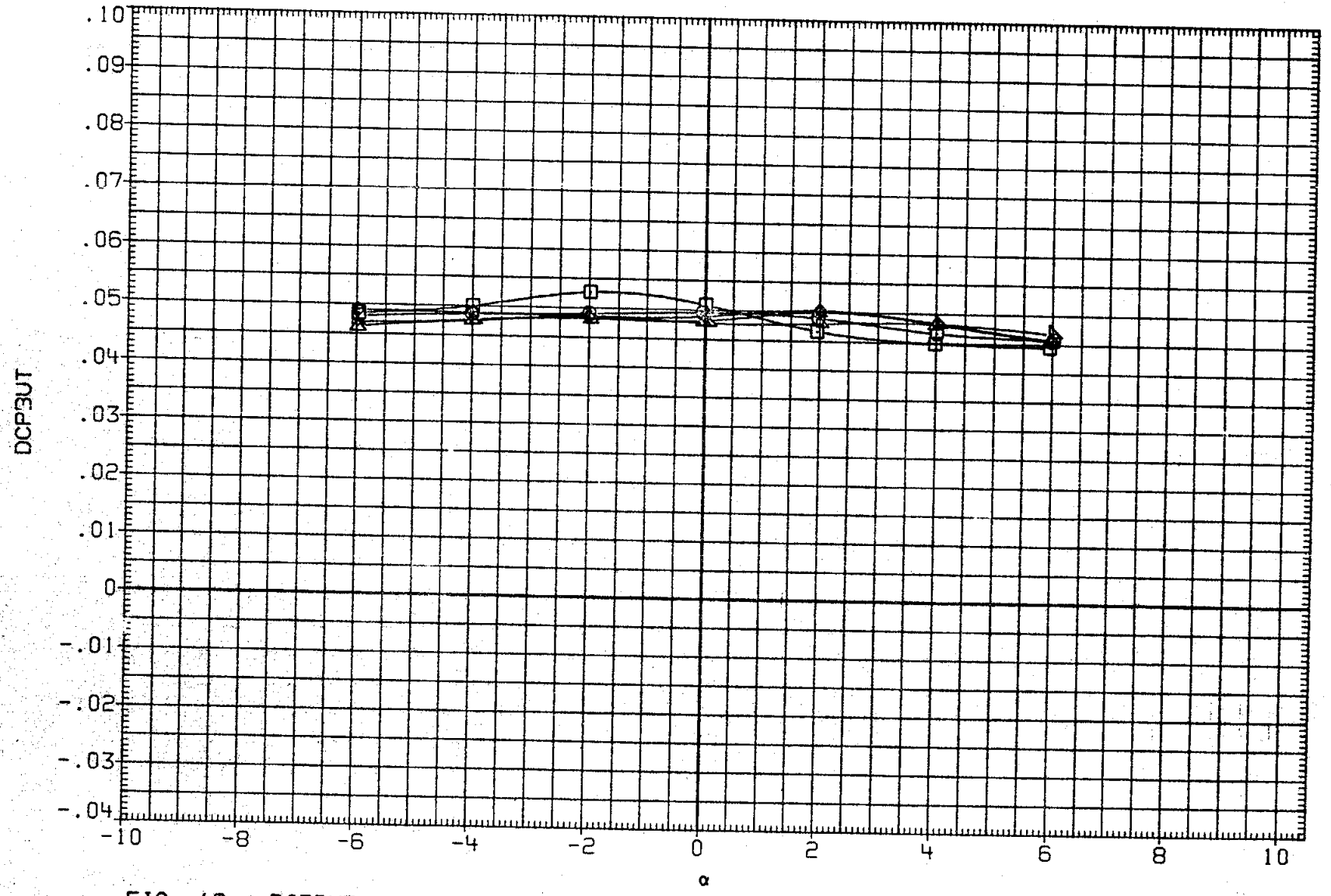

FIG. 19 DCPBUT CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

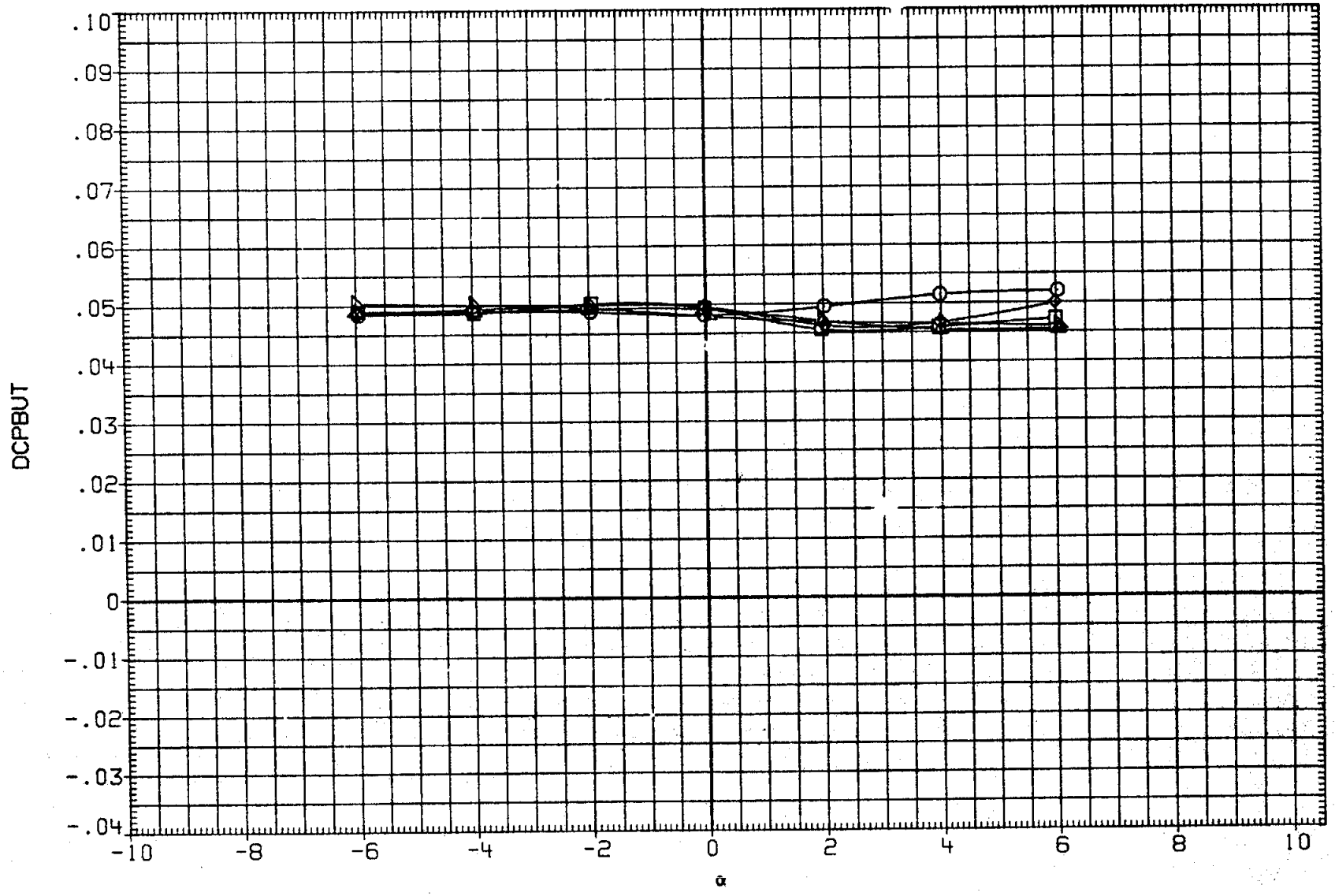

FIG. 19 DCPBUT CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

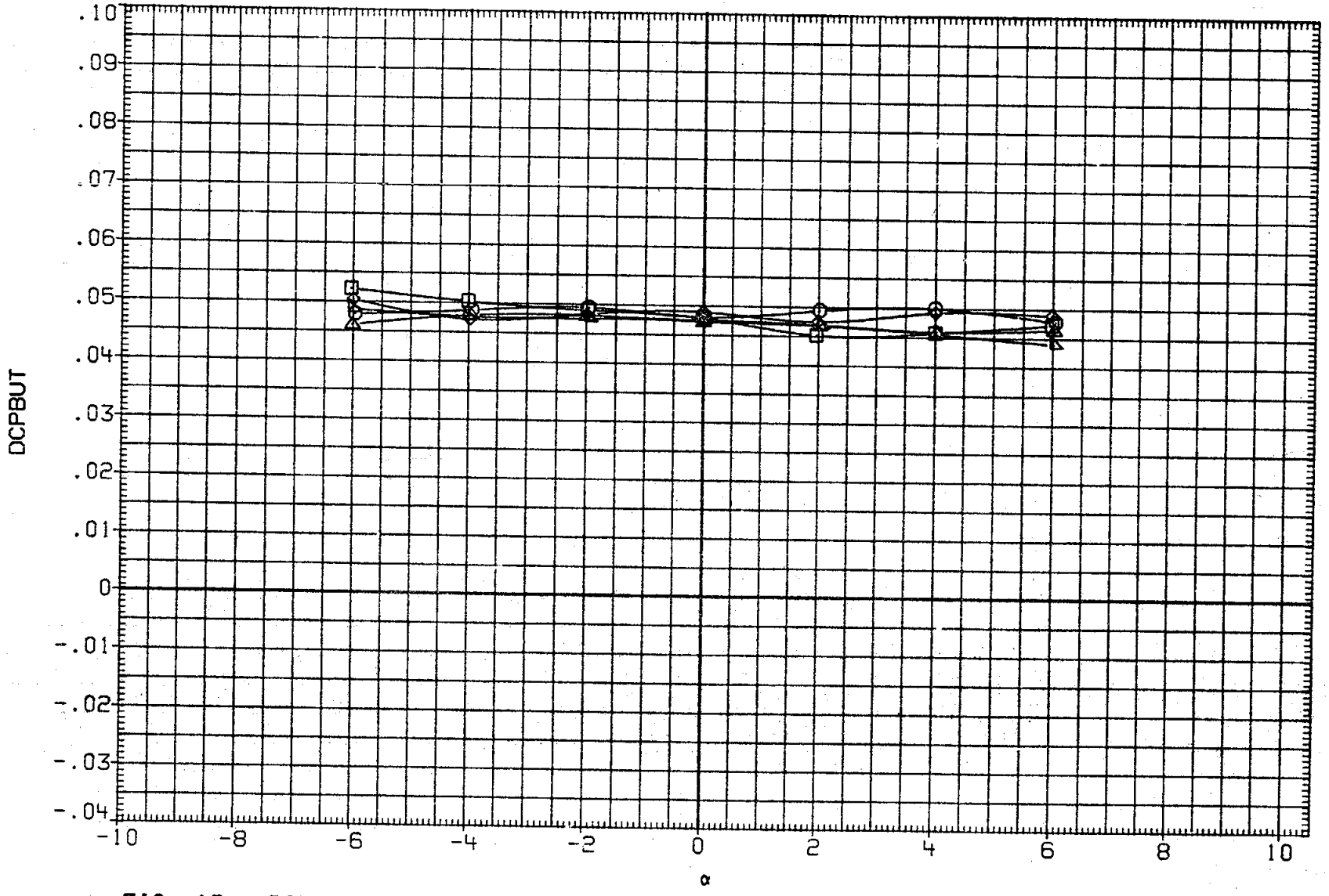

FIG. 19 DCPBUT CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	▷	IA132(AEDC TF-505) TANK UPPT W/FRNG, LOUVR OPEN	6.000	3.665

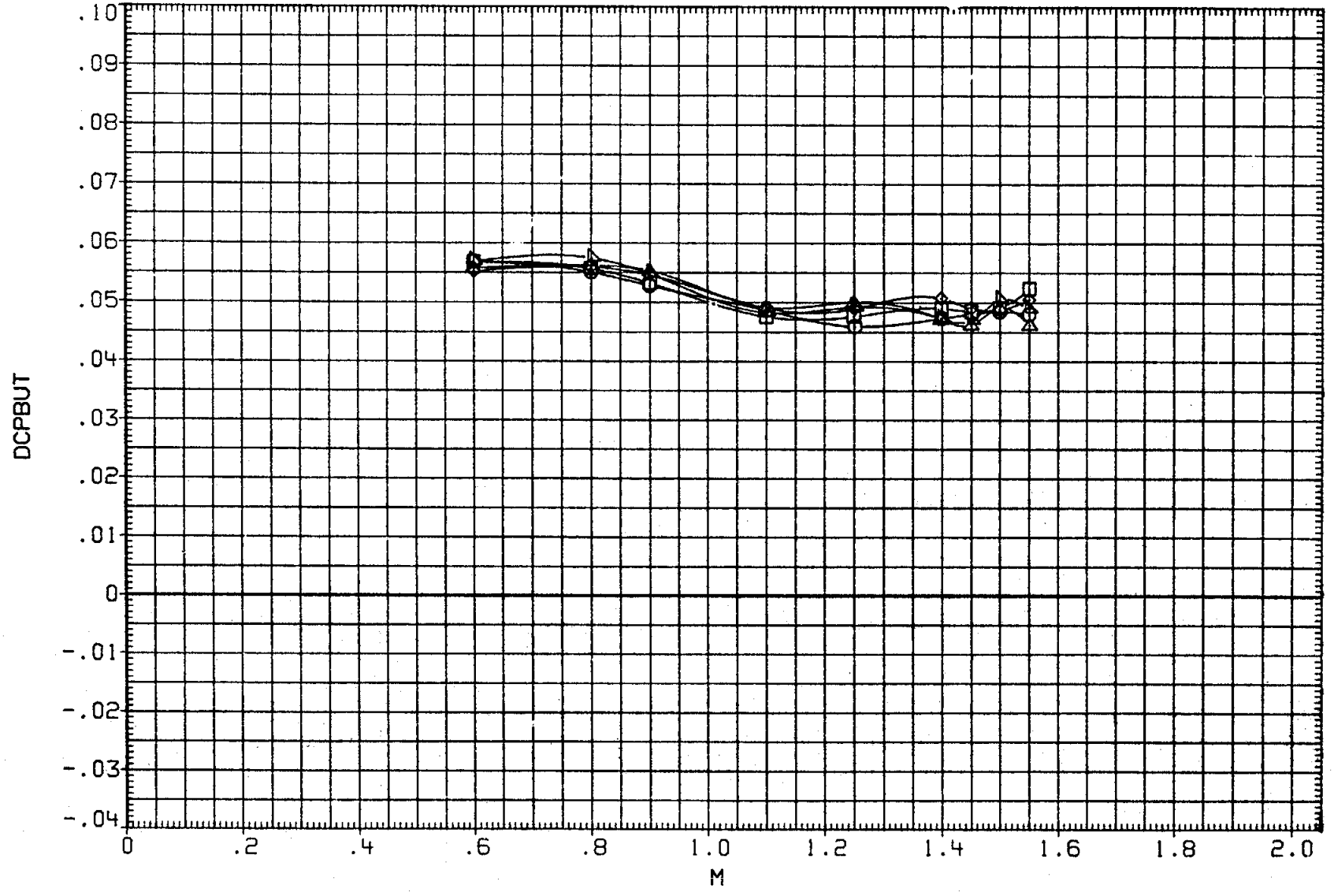

FIG. 19 DCPBUT CHARACTERISTICS

(A)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

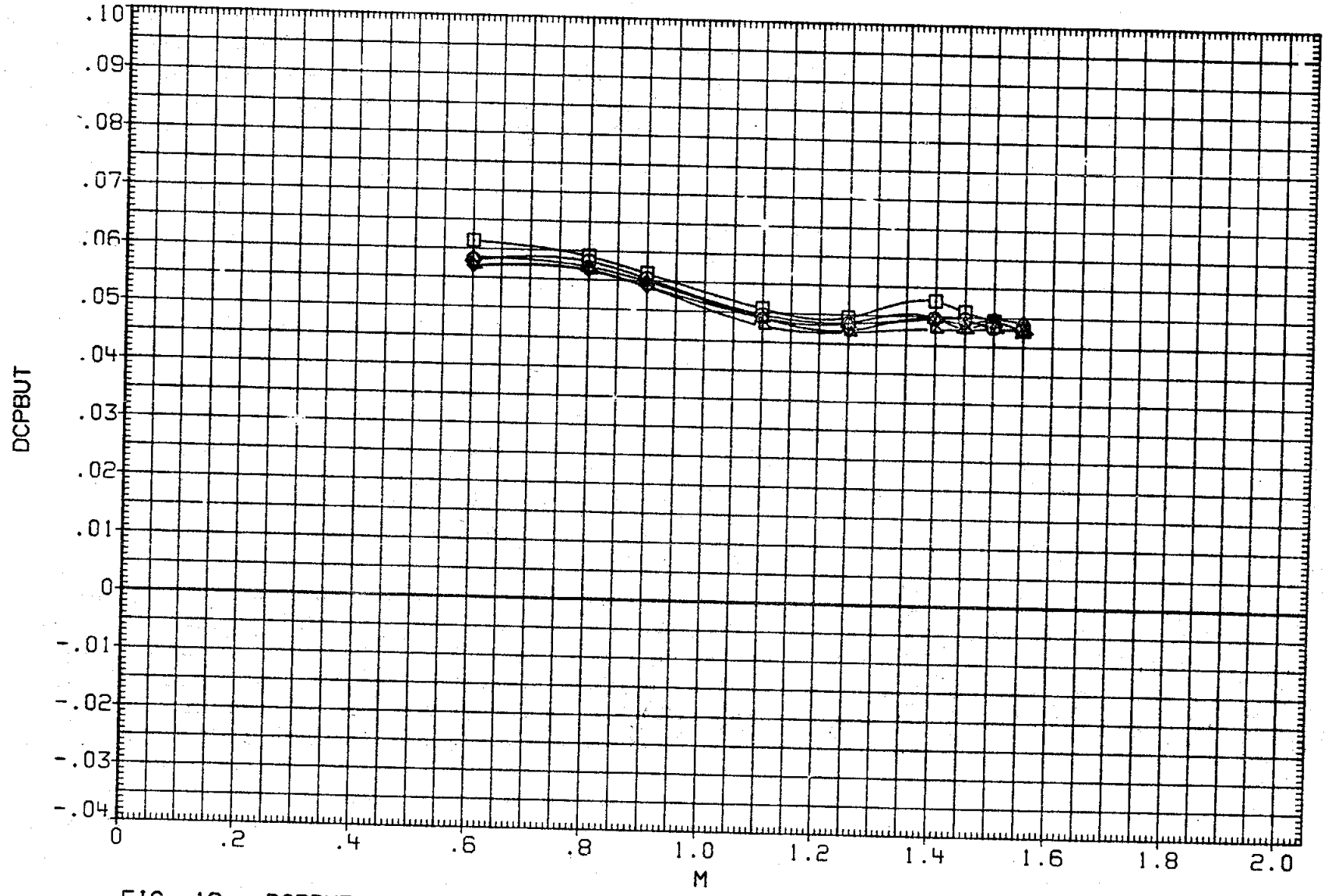

FIG. 19 DCPBUT CHARACTERISTICS

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

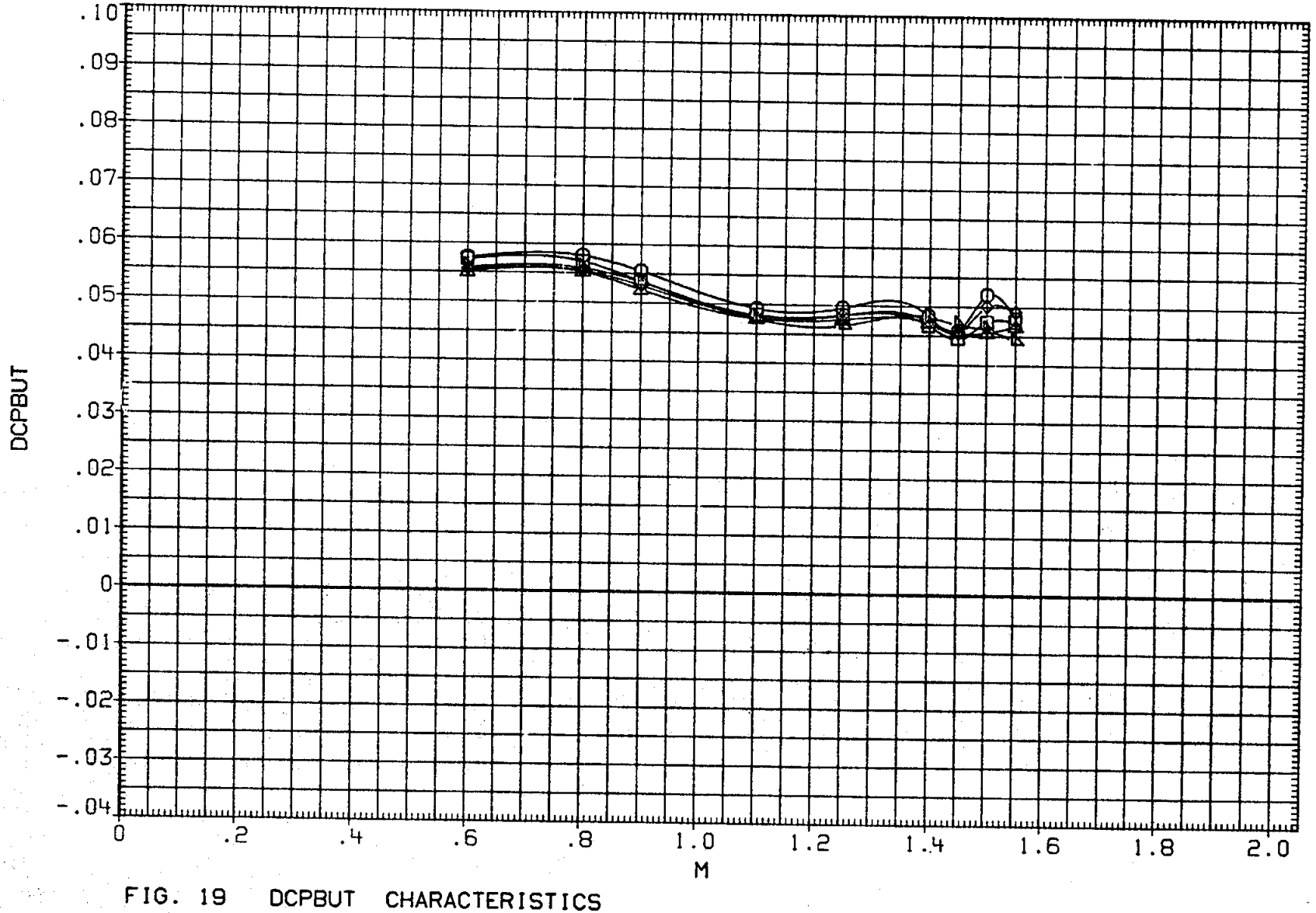

FIG. 19 DCPBUT CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

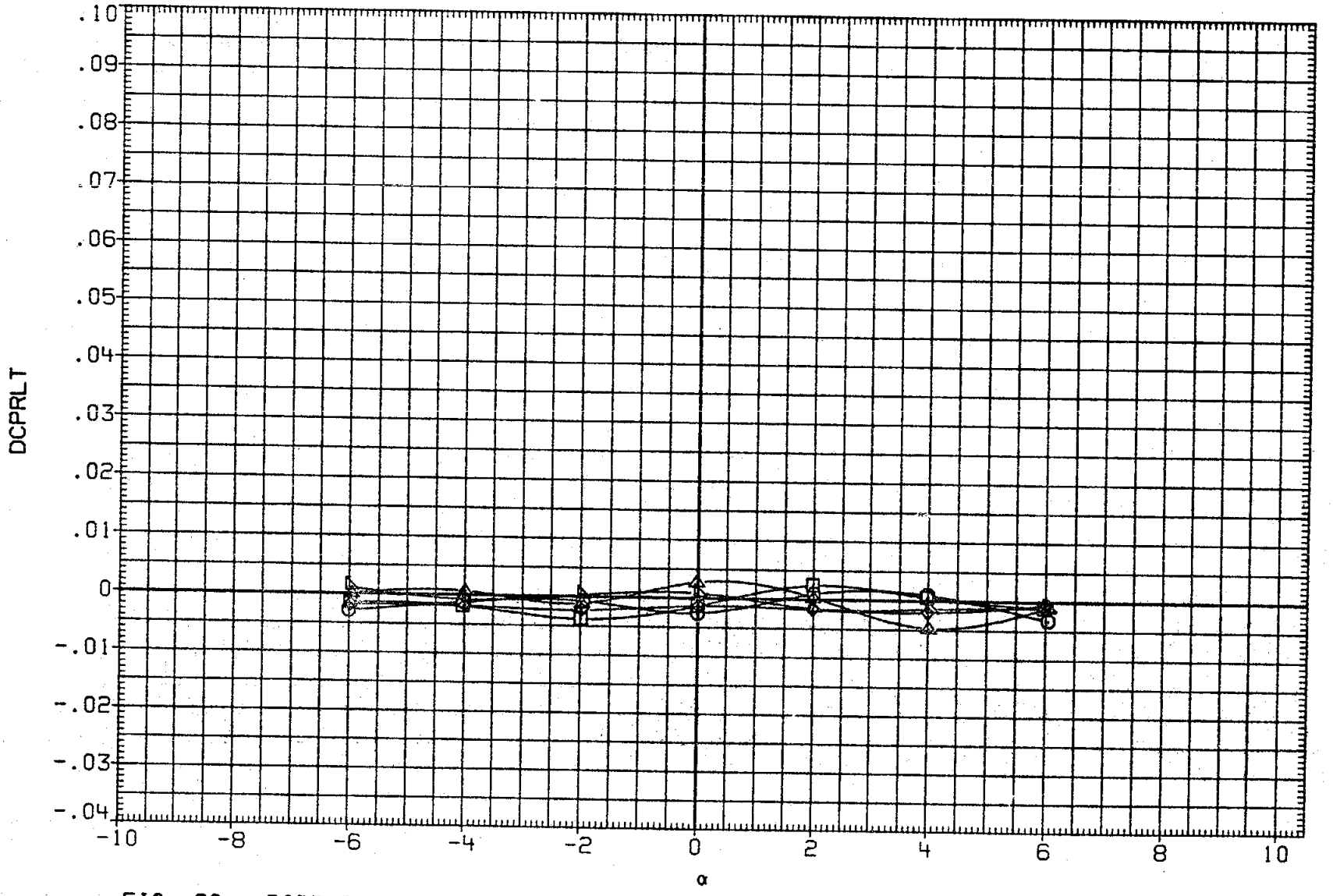

FIG. 20 DCPRLT CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

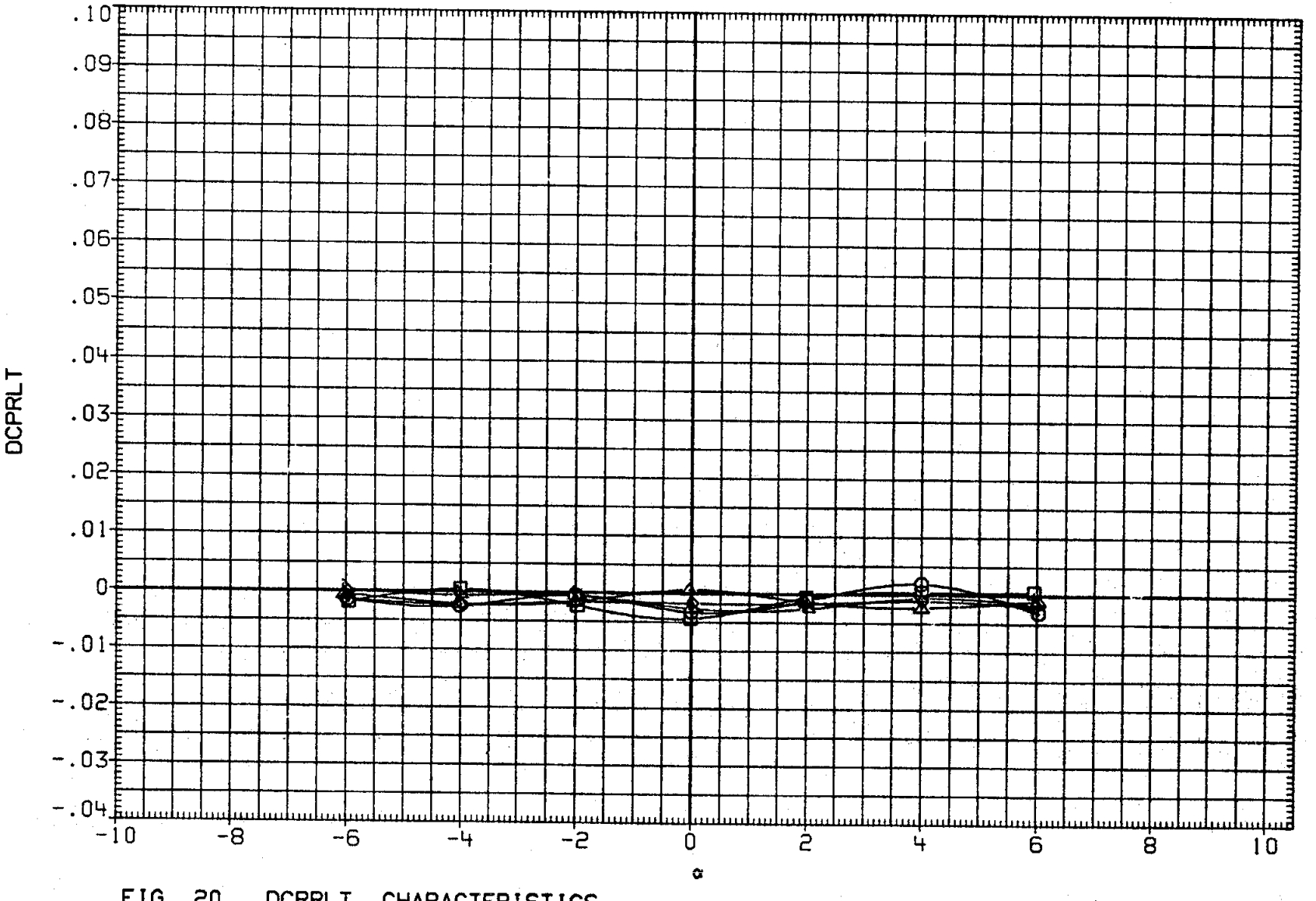

FIG. 20 DCPRLT CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

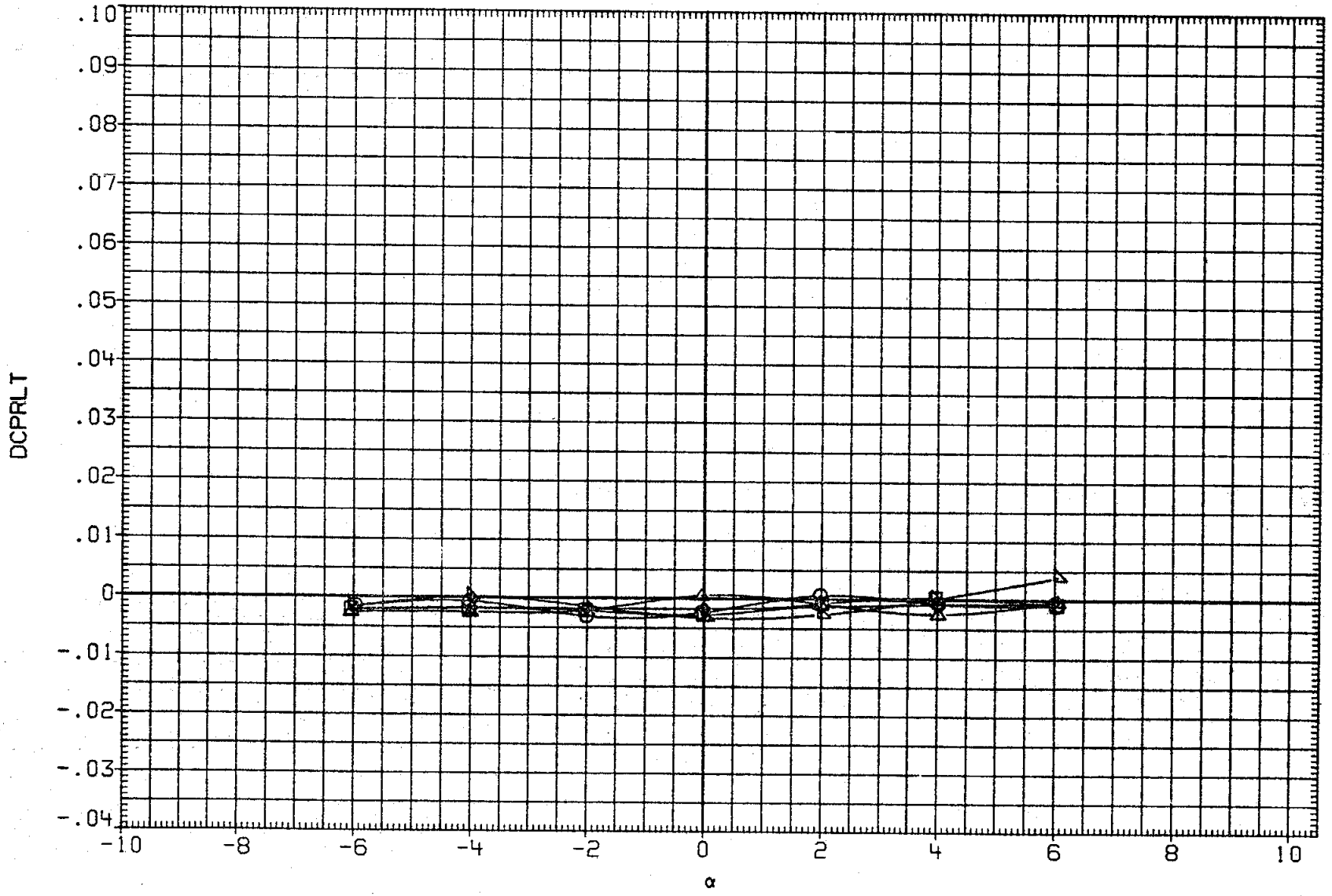

FIG. 20 DCPRLT CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

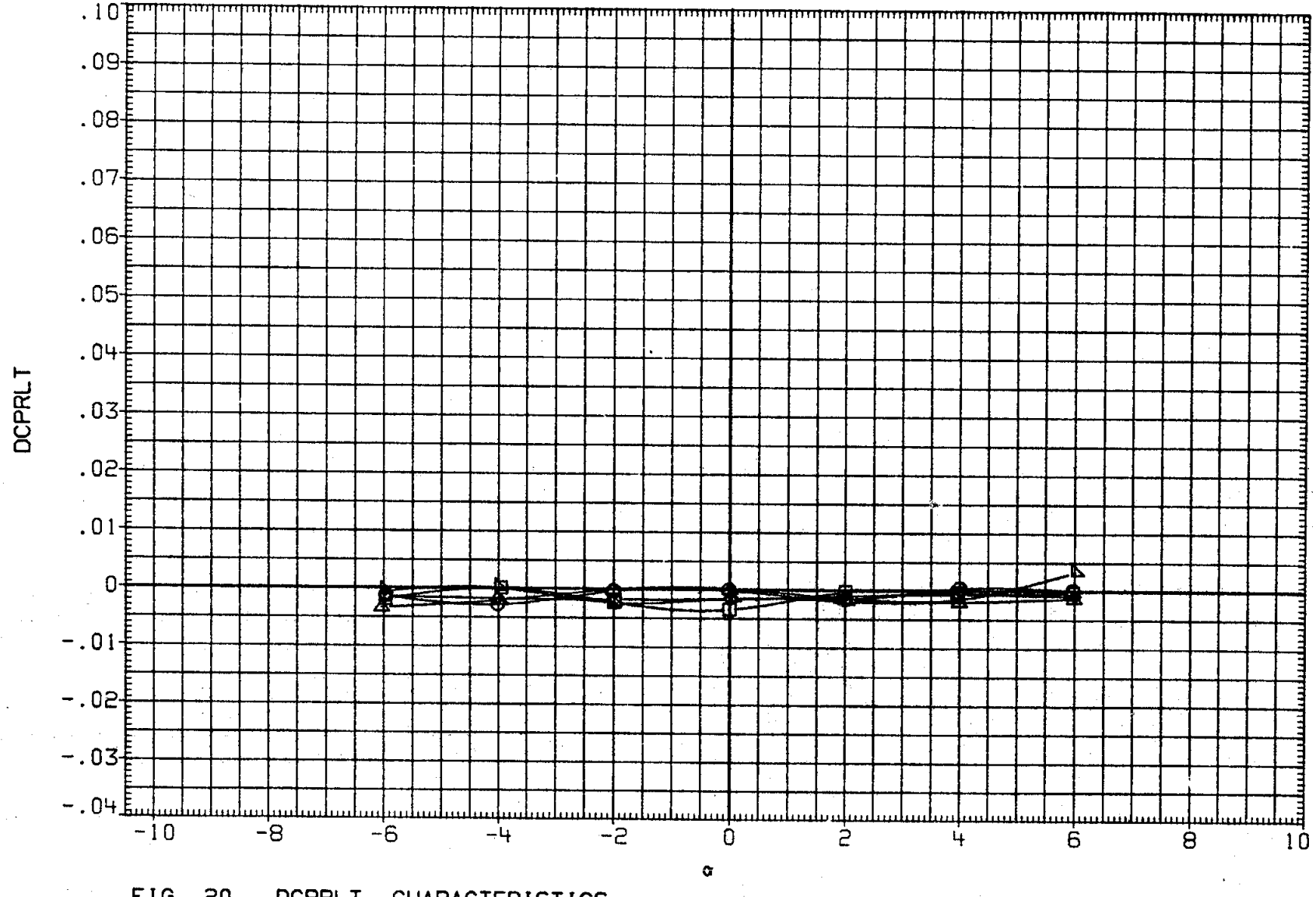

FIG. 20 DCPRLT CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

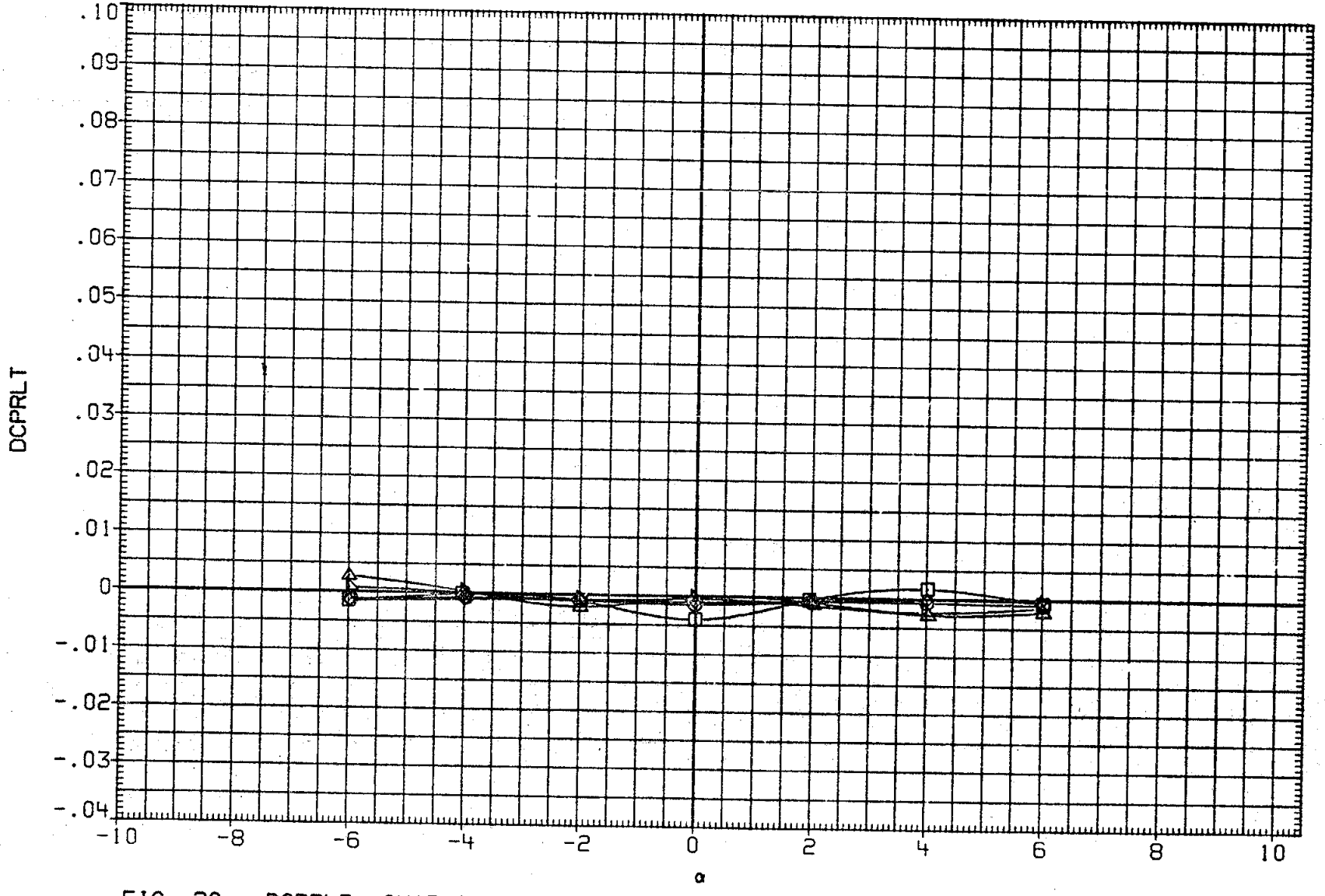

FIG. 20 DCPRLT CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

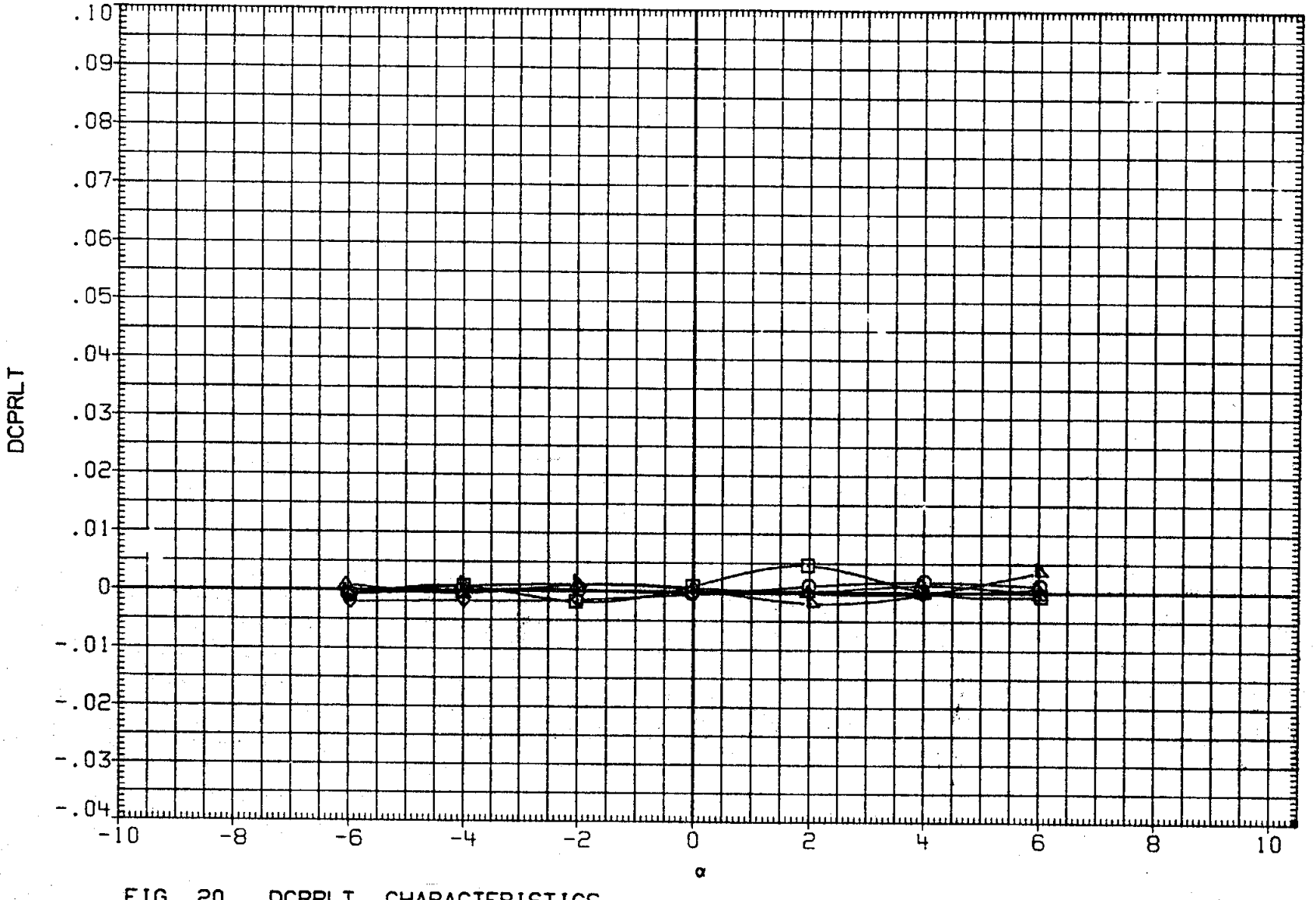

FIG. 20 DCPRLT CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

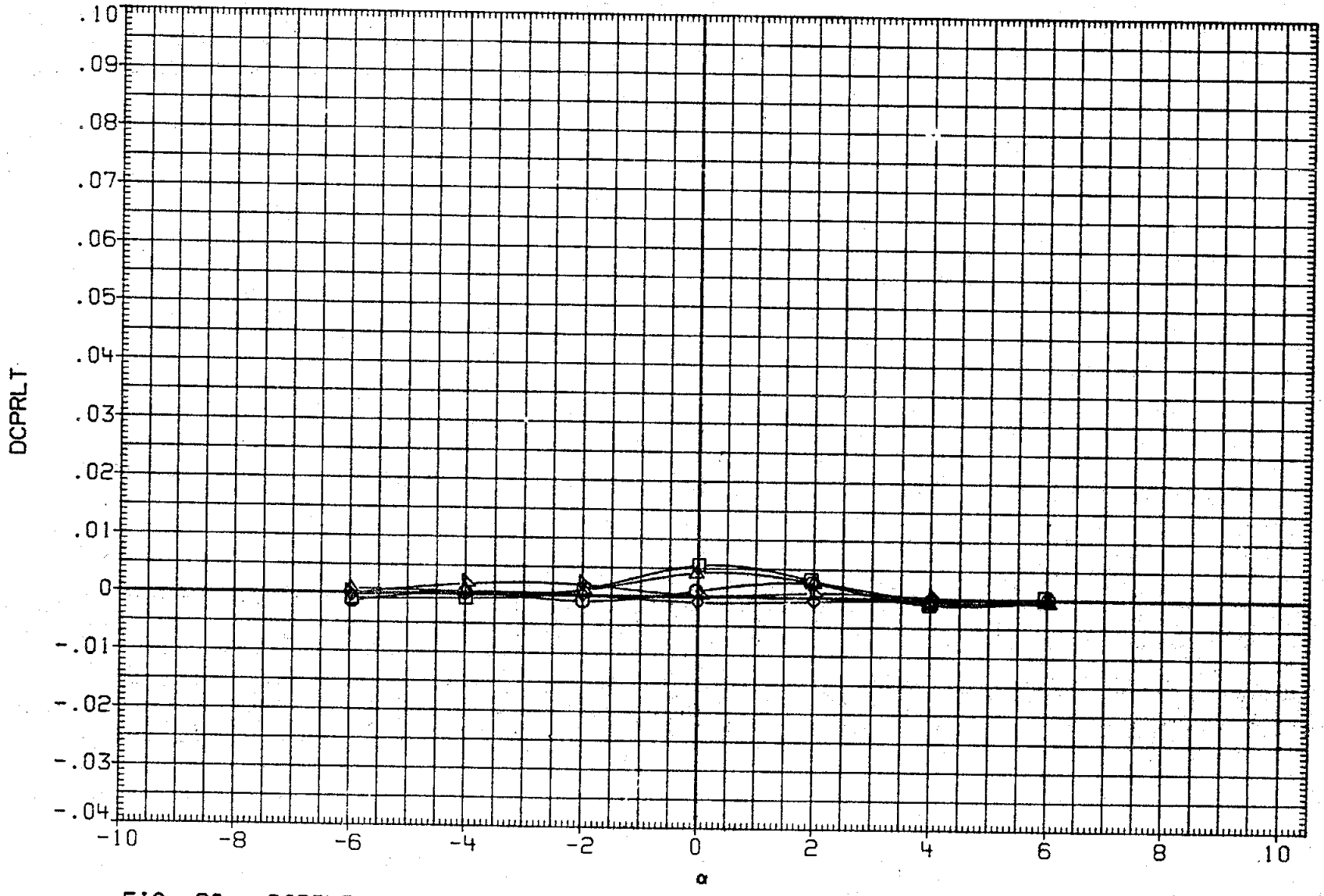

FIG. 20 DCPRLT CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

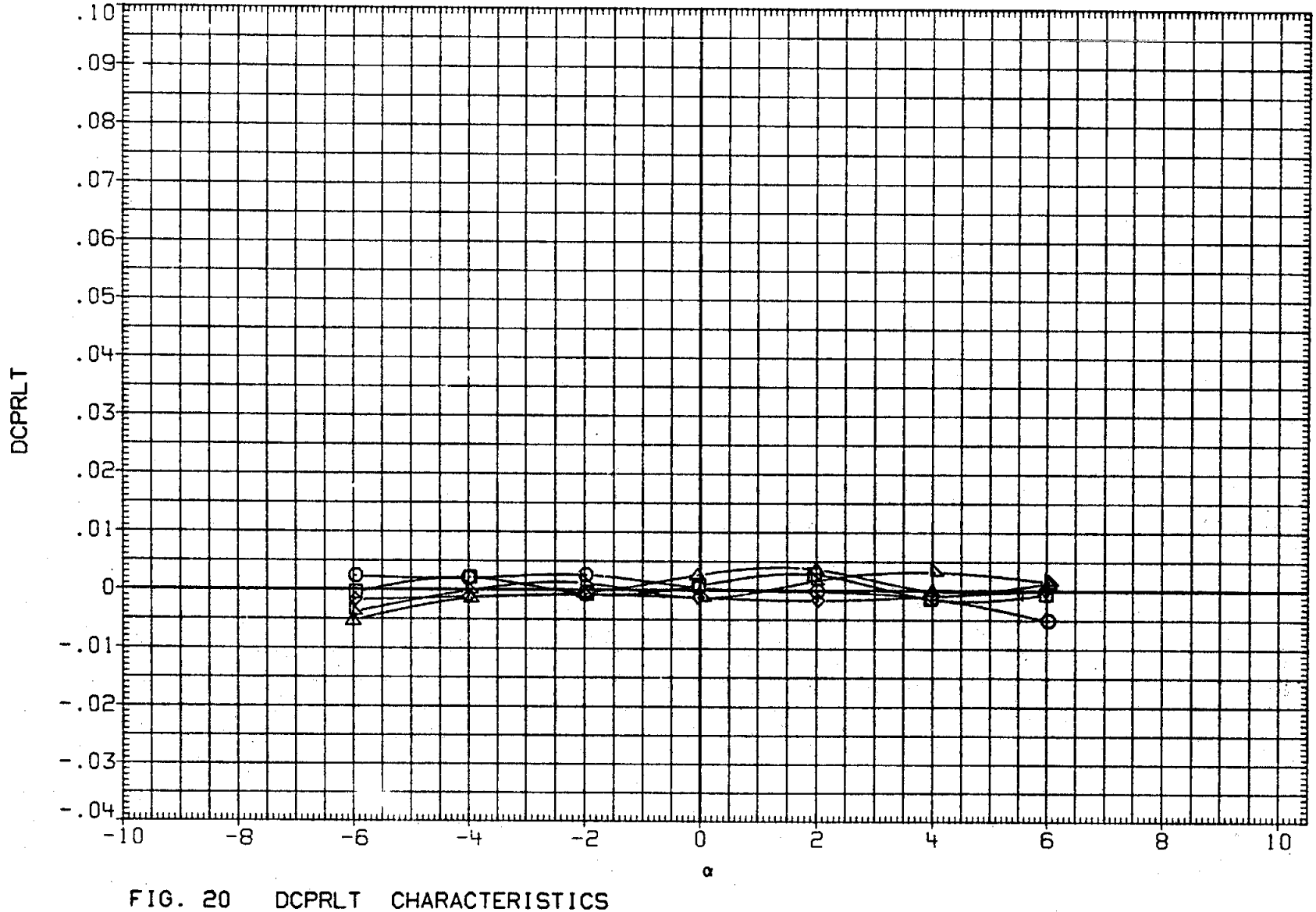

FIG. 20 DCPRLT CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

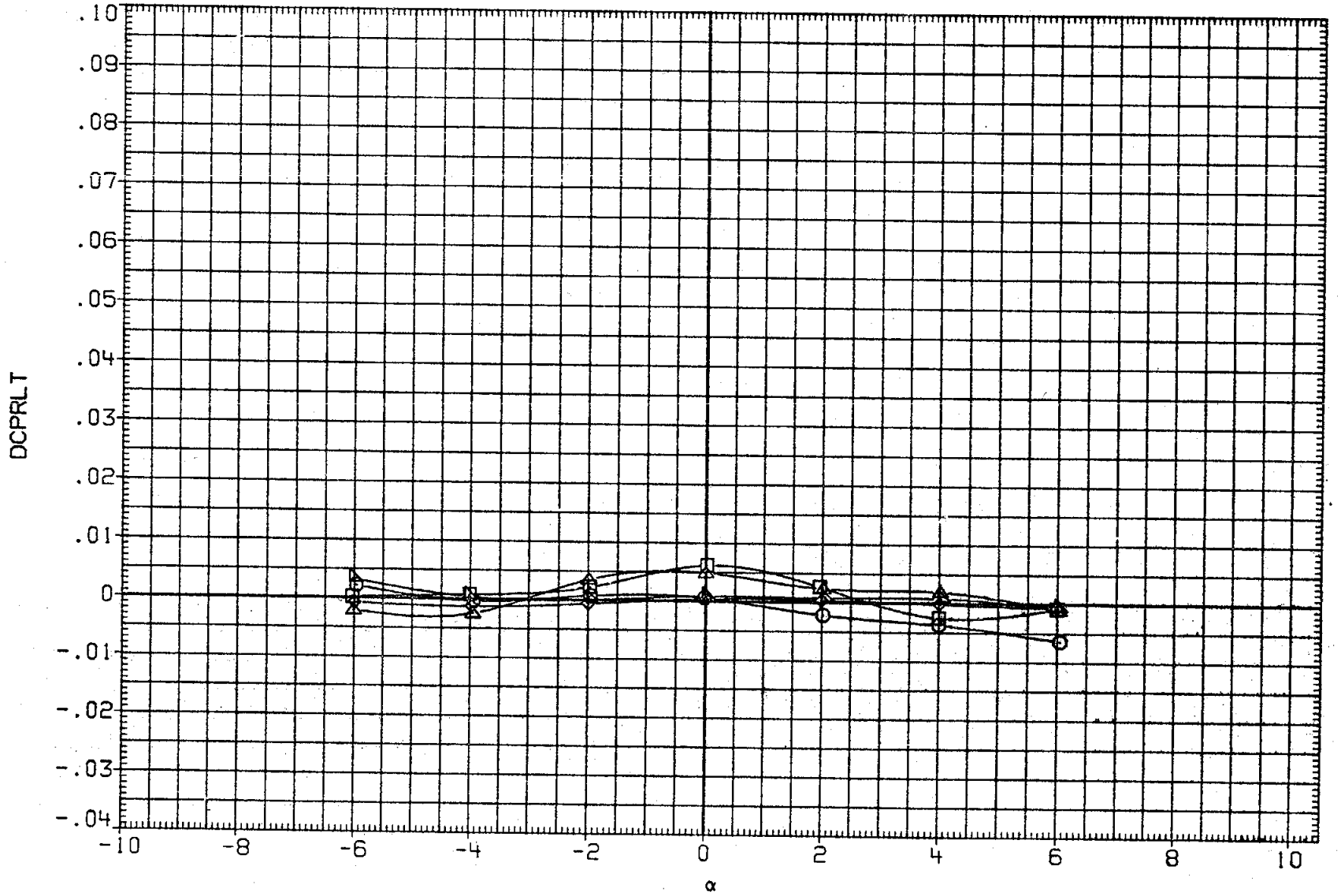

FIG. 20 DCPRLT CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.568
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

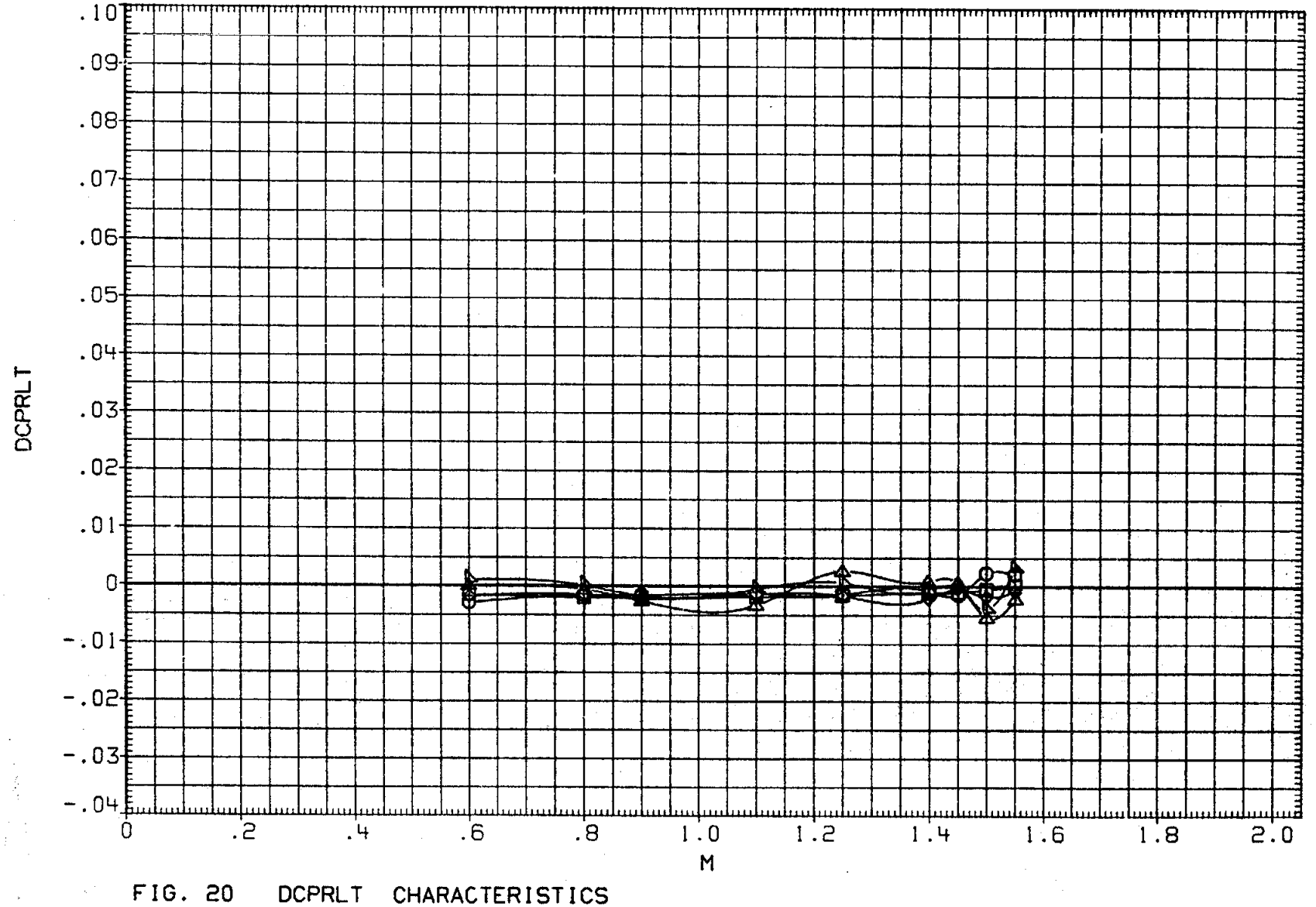

FIG. 20 DCPRLT CHARACTERISTICS

(A)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

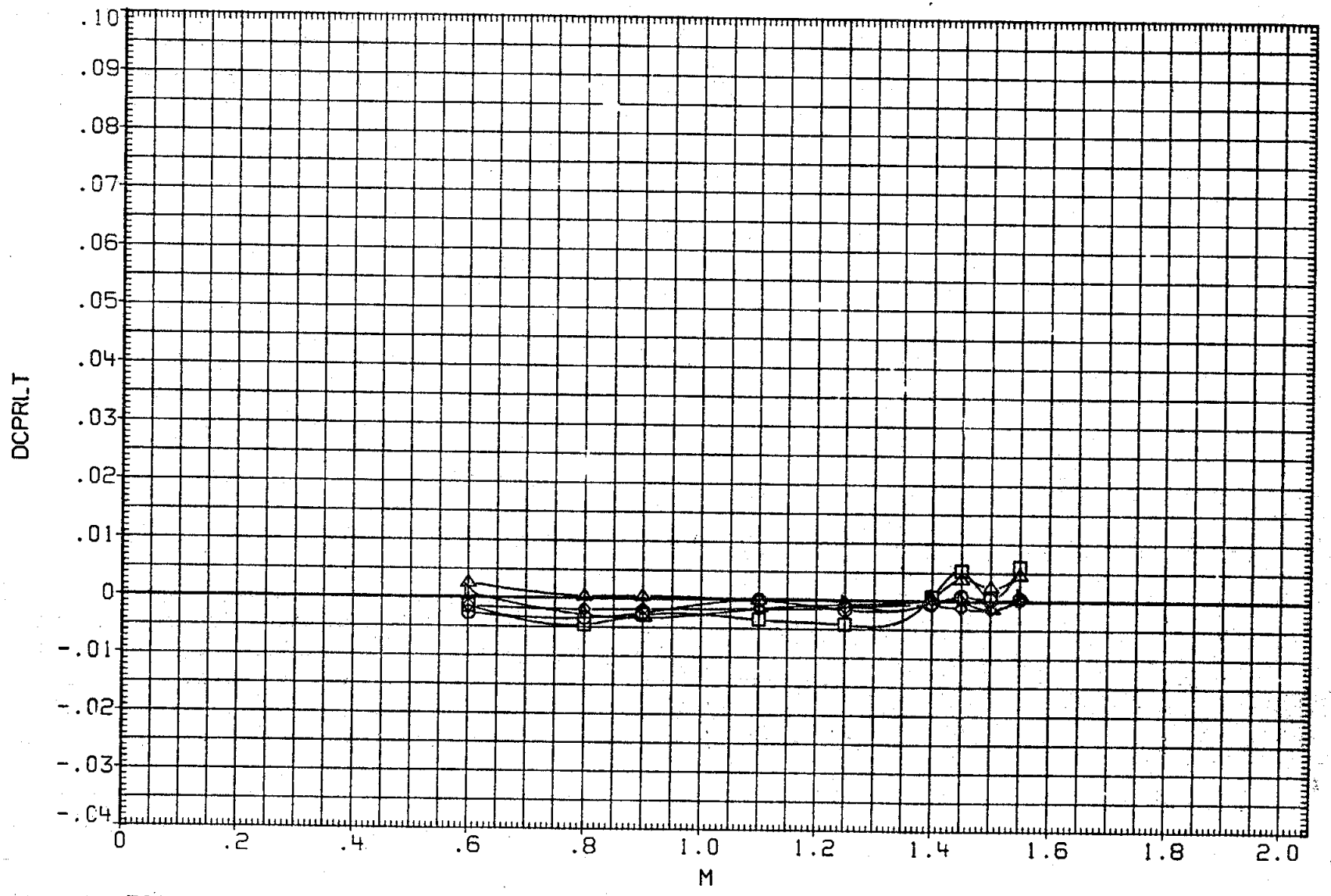

FIG. 20 DCPRLT CHARACTERISTICS

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA	RN/L
J4R051	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000	3.668
J4R055	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000	3.667
J4R057	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000	3.667
J4R061	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000	3.666
J4R064	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000	3.665

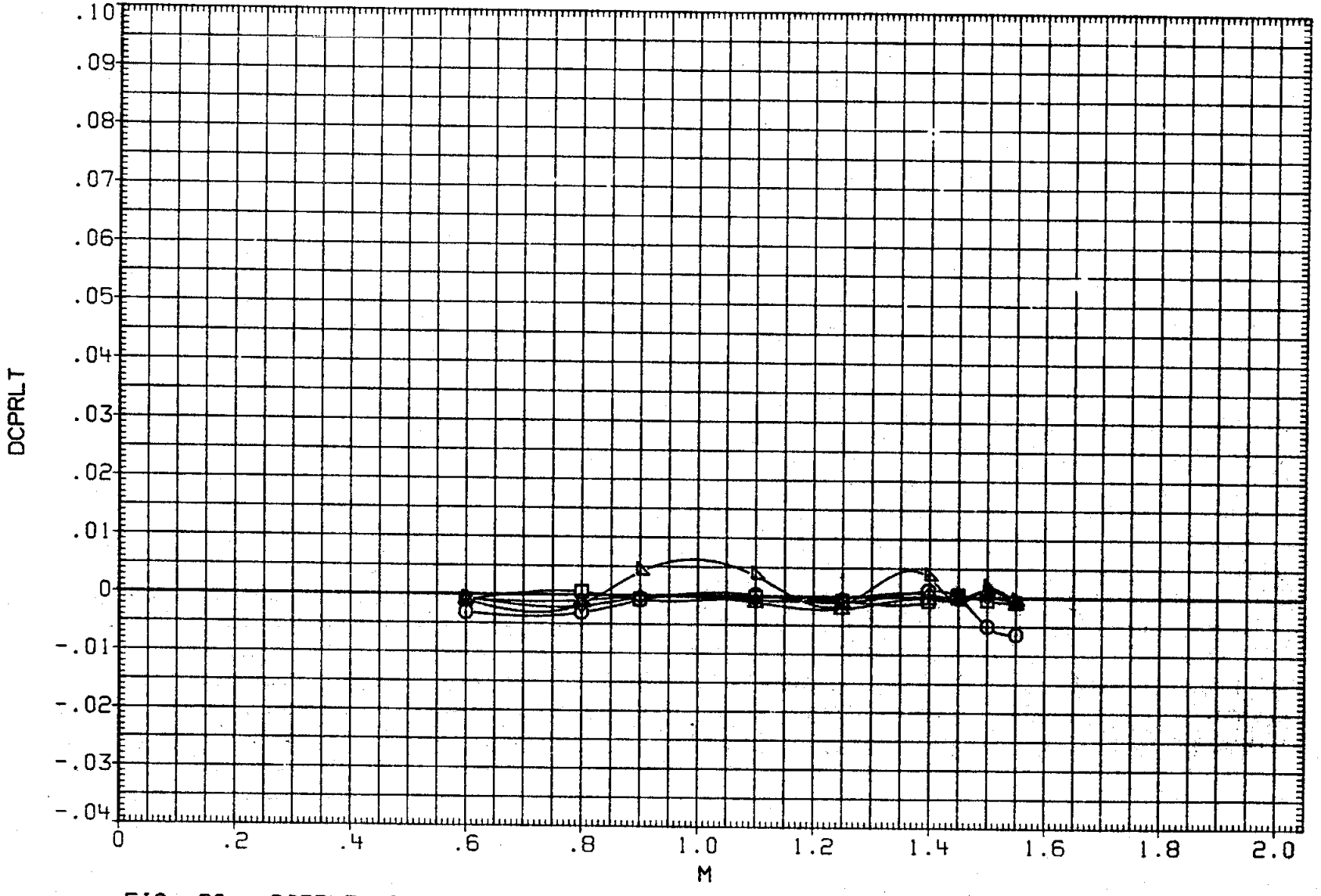

FIG. 20 DCPRLT CHARACTERISTICS

(C)ALPHA = 6.00

IA132(AEDC TF-505) TANK UPRT W/O FRNG.LOUVR FILL (A4R001) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 83/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.400	-8.011	-.00033	84.29210	1.01764	750.77300	838.50000	1.04073	71.90000	.00000	-7.71900	.00000
.401	-5.968	-.00029	84.76750	1.02025	751.56300	839.80000	1.04091	72.30000	.00000	-5.68100	.00000
.402	-4.023	-.00032	85.24100	1.02314	752.05200	840.80000	1.04113	72.50000	.00000	-3.74000	.00000
.401	-1.975	-.00028	84.77640	1.02033	753.16000	841.40000	1.04083	72.70000	.00000	-1.69900	.00000
.401	.013	.00006	84.68610	1.01969	753.86200	842.00000	1.04075	72.90000	.00000	.28200	.00000
.401	1.996	-.00016	84.97030	1.02122	754.15500	842.60000	1.04089	73.10000	.00000	2.25800	.00000
.401	4.009	-.00008	85.06780	1.02174	754.75200	843.30000	1.04091	73.30000	.00000	4.26600	.00000
.402	5.976	.00012	85.25670	1.02253	754.84800	843.60000	1.04097	73.50000	.00000	6.22800	.00000
.402	7.998	.00008	85.44610	1.02315	755.04400	844.00000	1.04108	73.80000	.00000	8.24500	.00000
	GRADIENT	.00303	-.00793	-.00010	.31954	.30945	-.00002	.09983	.00000	.99673	.00000

RUN NO. 116/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-8.015	-.03713	319.74700	2.48903	1274.06000	1623.50000	1.09286	108.40000	.00000	-7.60300	.01000
.599	-5.976	-.03749	320.51800	2.48529	1274.03999	1624.39999	1.09311	109.70000	.00000	-5.58600	.01000
.599	-2.015	-.03826	320.24700	2.48247	1273.45000	1623.50000	1.09306	109.90000	.00000	-1.67000	.01000
.601	-.019	-.03847	322.52500	2.49398	1275.59000	1628.30000	1.09359	110.00000	.00000	.30100	.01000
.600	1.974	-.04058	320.64700	2.48110	1272.24001	1622.80000	1.09329	110.30000	.00000	2.26800	.01000
.599	4.002	-.04167	320.43000	2.48038	1273.94000	1624.20000	1.09309	110.50000	.00000	4.26700	.01000
.599	6.013	-.04140	320.10600	2.47500	1274.75000	1624.60001	1.09292	110.60000	.00000	6.24900	.01000
.600	7.987	-.04218	320.87000	2.48221	1274.42999	1625.20000	1.09318	110.60000	.00000	8.19400	.01000
	GRADIENT	-.00061	-.06671	-.00096	-.09293	-.16926	-.00001	.10477	.00000	.98663	-.00000

RUN NO. 96/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.798	-8.037	.01202	321.59500	1.99522	720.84700	1097.00000	1.16965	110.20000	.00000	-7.62200	-.01000
.801	-5.963	.00895	323.49800	2.00201	720.00700	1098.80000	1.17093	110.20000	.00000	-5.57100	.00000
.802	-4.007	.00757	324.11700	2.00567	720.29300	1099.89999	1.17120	110.00000	.00000	-3.63800	.00000
.801	-1.996	.00646	323.89200	2.00550	721.49600	1100.70000	1.17077	110.10000	.00000	-1.65200	.00000
.801	.010	.00595	324.03600	2.00688	721.39300	1100.80000	1.17088	109.90000	.00000	.32800	.00000
.802	1.984	.00393	323.91100	2.00441	719.39900	1098.80000	1.17131	109.90000	.00000	2.27600	.00000
.800	4.015	.00290	322.51600	2.00025	719.92800	1097.39999	1.17040	109.70000	.00000	4.28100	.00000
.798	5.980	.00171	321.52000	1.99672	720.84900	1096.89999	1.16960	109.80000	.00000	6.21800	.00000
.799	8.010	-.00058	322.77200	2.00204	721.62000	1099.30000	1.17011	109.90000	.00000	8.21700	.00000
	GRADIENT	-.00059	-.15926	-.00060	-.14043	-.34431	-.00005	-.03998	.00000	.98710	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R001) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 98/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.899	-8.013	.00595	348.61400	1.99461	616.36300	1041.20000	1.21865	110.50000	.00000	-7.57900	-.02000
.902	-6.140	.00366	350.17900	1.99995	615.23300	1042.50000	1.22014	110.40000	.00000	-5.73500	-.02000
.901	-4.004	.00208	350.26100	2.00194	616.82800	1044.00000	1.21958	110.40000	.00000	-3.63400	-.02000
.902	-2.019	.00046	350.96900	2.00360	616.21500	1044.50000	1.22029	110.50000	.00000	-1.67900	-.02000
.902	-.005	-.00064	349.55000	1.99688	613.74900	1040.30000	1.22029	110.20000	.00000	.30300	-.02000
.900	1.986	-.00283	348.41300	1.99283	614.96900	1039.70000	1.21904	110.40000	.00000	2.26400	-.02000
.899	3.956	-.00435	347.94500	1.99122	615.17800	1039.20000	1.21865	110.40000	.00000	4.20300	-.02000
.897	5.969	-.00636	348.12800	1.99473	617.86900	1041.80000	1.21774	110.40000	.00000	6.18400	-.02000
.899	8.003	-.00818	350.04600	2.00301	618.22900	1044.89999	1.21890	110.30000	.00000	8.18200	-.02000
	GRADIENT	-.00081	-.36093	-.00162	-.22895	-.72365	-.00016	-.00510	.00000	.98453	-.00000

RUN NO. 101/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-7.996	-.00057	371.91800	1.89929	439.04300	937.50000	1.33752	109.80000	.00000	-7.55600	-.05000
1.101	-6.031	-.00260	371.96000	1.89914	438.34700	937.10000	1.33809	109.70000	.00000	-5.63600	-.05000
1.103	-4.141	-.00428	371.92600	1.89710	436.95500	936.10000	1.33914	109.80000	.00000	-3.78800	-.05000
1.100	-2.009	-.00680	373.35400	1.90715	440.41500	940.90000	1.33777	109.60000	.00000	-1.70100	-.05000
1.101	-.142	-.00873	373.18200	1.90423	439.52200	940.00000	1.33830	109.90000	.00000	.12800	-.05000
1.101	1.982	-.01095	371.95800	1.89815	438.64500	937.30000	1.33787	110.00000	.00000	2.20900	-.05000
1.100	4.000	-.01391	371.18200	1.89487	437.96000	935.50000	1.33769	109.90000	.00000	4.18700	-.05000
1.098	5.935	-.01558	370.61100	1.89461	438.96300	935.20000	1.33639	109.70000	.00000	6.08200	-.04000
1.097	7.948	-.01723	370.74100	1.89616	439.95500	936.10000	1.33575	109.70000	.00000	8.05300	-.04000
	GRADIENT	-.00115	-.14197	-.00066	.01447	-.23448	-.00014	.02910	.00000	.97954	.00000

RUN NO. 107/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-7.981	-.01296	404.93900	1.95273	369.99300	958.90000	1.42353	110.50000	.00000	-7.53400	.02000
1.253	-5.997	-.01358	403.59300	1.94528	367.33300	955.10000	1.42480	110.40000	.00000	-5.59800	.01000
1.250	-4.016	-.01377	402.73300	1.94215	368.03400	953.70000	1.42348	110.50000	.00000	-3.66400	.01000
1.252	-2.021	-.01489	404.37100	1.94940	368.41400	957.10000	1.42447	110.40000	.00000	-1.71300	.01000
1.250	-.008	-.01535	404.09100	1.94912	369.70400	957.10000	1.42310	110.50000	.00000	.25500	.02000
1.250	1.970	-.01549	404.17000	1.94818	369.80200	957.30000	1.42308	110.80000	.00000	2.19000	.02000
1.250	4.010	-.01641	404.14100	1.94977	369.70300	957.20000	1.42314	110.40000	.00000	4.18700	.02000
1.250	5.973	-.01737	404.09700	1.94866	369.20900	956.90000	1.42354	110.50000	.00000	6.10900	.02000
1.247	8.020	-.01835	403.69000	1.94799	370.59900	956.70000	1.42198	110.60000	.00000	8.11100	.01000
	GRADIENT	-.00029	.13024	.00070	.23563	.35871	-.00010	.00979	.00000	.97819	.00150

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R001) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 108/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.398	-7.966	-.01636	428.61600	1.99595	313.41000	994.20000	1.49267	110.40000	.00000	-7.51400	.02000
1.401	-5.976	-.01771	428.86200	1.99804	312.12200	994.70000	1.49403	110.20000	.00000	-5.57400	.02000
1.401	-3.968	-.01904	429.20400	1.99715	312.51500	995.50000	1.49390	110.50000	.00000	-3.61600	.03000
1.401	-2.001	-.01850	429.24800	1.99872	312.51400	995.60000	1.49394	110.20000	.00000	-1.69600	.02000
1.402	.018	-.01814	429.60400	1.99892	312.11500	996.40000	1.49455	110.40000	.00000	.27600	.01000
1.402	1.970	-.02126	429.60100	1.99953	312.31300	996.40000	1.49437	110.30000	.00000	2.18400	.01000
1.401	4.013	-.02066	429.90000	2.00014	312.70600	997.10000	1.49420	110.50000	.00000	4.18200	.01000
1.402	5.978	-.02130	429.99200	2.00074	312.40900	997.30000	1.49454	110.40000	.00000	6.10300	.01000
1.400	7.998	-.02167	429.84700	2.00078	313.20100	997.00000	1.49370	110.40000	.00000	8.07700	.01000
	GRADIENT	-.00030	.08769	.00034	.00921	.20101	.00005	.00524	.00000	.97699	-.00251

RUN NO. 111/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.449	-7.908	-.01701	432.86200	2.00259	294.56100	1004.70000	1.51325	109.60000	.00000	-7.47500	-.04000
1.450	-6.112	-.01908	433.09100	2.00137	294.16200	1005.30000	1.51378	110.00000	.00000	-5.72200	-.04000
1.452	-4.011	-.02131	433.27300	2.00223	293.66500	1005.80000	1.51437	109.90000	.00000	-3.67300	-.04000
1.452	-2.009	-.02542	433.27300	2.00270	293.66500	1005.80000	1.51437	109.80000	.00000	-1.71700	-.04000
1.452	-.147	-.02675	433.17400	2.00255	293.36800	1005.60000	1.51459	109.70000	.00000	.10300	-.04000
1.452	1.976	-.02794	433.35600	2.00211	293.66400	1006.00000	1.51442	110.00000	.00000	2.18000	.03000
1.451	3.934	-.02714	433.12300	2.00230	293.96400	1005.40000	1.51399	109.80000	.00000	4.09600	.04000
1.450	5.988	-.02664	433.18000	2.00181	294.26000	1005.50000	1.51374	110.00000	.00000	6.10500	.03000
1.449	7.949	-.02628	432.98700	2.00170	294.56000	1005.00000	1.51333	109.90000	.00000	8.02200	.03000
	GRADIENT	-.00071	-.01063	-.00002	.03083	-.02960	-.00004	.00048	.00000	.97788	.01166

RUN NO. 112/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.498	-7.970	-.03421	435.66900	1.99992	277.45700	1015.20000	1.53142	110.20000	.00000	-7.52500	.04000
1.500	-5.954	-.03660	436.39700	2.00266	276.95000	1017.20000	1.53236	110.20000	.00000	-5.55900	.04000
1.501	-3.999	-.03302	436.73900	2.00356	276.84600	1018.10000	1.53267	110.30000	.00000	-3.65200	.04000
1.500	-2.000	-.03114	436.60400	2.00424	277.34500	1017.60000	1.53210	110.10000	.00000	-1.70000	.04000
1.500	.018	-.03100	436.68300	2.00457	277.34400	1017.80000	1.53215	110.10000	.00000	.27200	.04000
1.499	1.970	-.03101	435.97500	2.00236	277.05500	1016.10000	1.53200	109.90000	.00000	2.18000	.04000
1.499	4.013	-.02734	435.51700	1.99938	276.86200	1015.00000	1.53190	110.10000	.00000	4.17800	.04000
1.499	6.009	-.02991	434.90000	1.99761	276.67000	1013.50000	1.53171	109.90000	.00000	6.13000	.03000
1.500	7.970	-.03216	434.85100	1.99669	276.27300	1013.50000	1.53206	110.00000	.00000	8.04700	.03000
	GRADIENT	.00058	-.15357	-.00051	-.01285	-.38483	-.00008	-.02986	.00000	.97735	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R001) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 115/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-7.914	-.03110	438.51200	2.00061	260.66300	1029.60001	1.54948	110.60000	.00000	-7.47600	.02000
1.551	-6.117	-.03834	438.52600	2.00005	260.36200	1029.80000	1.54978	110.70000	.00000	-5.72300	.02000
1.552	-3.987	-.02843	438.23800	1.99904	259.86600	1029.30000	1.55010	110.60000	.00000	-3.64400	.01000
1.552	-2.012	-.03456	438.31200	1.99842	259.86500	1029.50000	1.55015	110.80000	.00000	-1.71300	.01000
1.550	-.002	-.03718	438.08100	1.99825	260.56900	1028.50000	1.54932	110.70000	.00000	.25400	.00000
1.549	1.985	-.03861	437.70700	1.99760	260.57500	1027.50000	1.54909	110.50000	.00000	2.19900	.01000
1.549	3.960	-.03256	437.57700	1.99710	260.67700	1027.10001	1.54892	110.50000	.00000	4.13000	.00000
1.547	5.999	-.03575	437.44900	1.99623	260.97900	1026.60001	1.54854	110.60000	.00000	6.12300	.00000
1.548	7.985	-.04511	437.52200	1.99597	260.77800	1026.89999	1.54878	110.70000	.00000	8.06500	.00000
	GRADIENT	-.00062	-.09691	-.00024	.11738	-.32193	-.00017	-.02517	.00000	.97832	-.00101

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (B4R001) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 83/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.400	-8.011	-.00033	.98034	.59606	.92634	.64894	.64242	-.33028	.00652	-.36327	-.01777
.401	-5.968	-.00029	1.00596	.64529	.89292	.70295	.70158	-.24763	.00137	-.28168	-.02346
.402	-4.023	-.00032	1.01851	.69053	.85908	.73948	.74382	-.16855	-.00434	-.19996	-.02935
.401	-1.975	-.00028	1.02232	.73871	.81946	.76139	.77073	-.08074	-.00933	-.11174	-.03169
.401	.013	.00006	1.02376	.78016	.77916	.76693	.78110	.00100	-.01417	-.03757	-.03240
.401	1.996	-.00016	1.02172	.81848	.73725	.75572	.77366	.08123	-.01793	.04390	-.03595
.401	4.009	-.00008	1.01426	.85823	.68976	.72901	.74969	.16846	-.02067	.13040	-.04003
.402	5.976	.00012	.99831	.89340	.64415	.68605	.70844	.24924	-.02239	.21357	-.04342
.402	7.998	.00008	.96467	.92597	.59202	.62427	.65155	.33395	-.02728	.29605	-.04556
	GRADIENT	.00003	-.00045	.02073	-.02100	-.00131	.00075	.04173	-.00206	.04075	-.00128

RUN NO. 116/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-8.015	-.03713	1.04957	.64854	.96779	.70287	.69635	-.31925	.00652	-.32098	.01265
.599	-5.976	-.03749	1.07449	.69976	.93511	.75652	.75588	-.23535	.00063	-.23621	.00733
.599	-2.015	-.03826	1.08721	.79314	.86318	.81554	.82163	-.07004	-.00609	-.07130	.00025
.601	-.019	-.03847	1.07697	.82607	.81547	.81149	.82291	.01060	-.01141	.00816	-.00502
.600	1.974	-.04058	1.08587	.87409	.78171	.80813	.82423	.09237	-.01610	.09020	-.00868
.599	4.002	-.04167	1.07990	.91265	.73411	.77917	.80020	.17854	-.02103	.17495	-.01372
.599	6.013	-.04140	1.06204	.94714	.68685	.73551	.75944	.26029	-.02393	.25844	-.01600
.600	7.987	-.04218	1.03200	.97729	.63672	.67705	.70324	.34057	-.02619	.33893	-.01891
	GRADIENT	-.00061	-.00065	.02028	-.02100	-.00562	-.00315	.04128	-.00247	.04095	-.00227

!A132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (B4R001) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 96/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.798	-8.037	.01202	1.12849	.73015	1.04445	.79172	.78661	-.31430	.00510	-.32039	.00017
.801	-5.963	.00895	1.15047	.78029	1.01296	.83979	.84129	-.23267	-.00149	-.23870	-.00624
.802	-4.007	.00757	1.15962	.82513	.98134	.87222	.87820	-.15621	-.00598	-.16190	-.00878
.801	-1.996	.00646	1.16451	.87024	.94639	.89338	.90285	-.07615	-.00947	-.08256	-.01287
.801	.010	.00595	1.16283	.90839	.90675	.89604	.91004	.00164	-.01400	-.00657	-.01779
.802	1.984	.00393	1.16112	.94532	.86647	.88507	.90236	.07885	-.01729	.07092	-.02091
.800	4.015	.00290	1.15430	.98299	.82226	.85847	.88202	.16073	-.02355	.15239	-.02691
.798	5.980	.00171	1.13994	1.01614	.77866	.82092	.84691	.23749	-.02599	.22886	-.02970
.799	8.010	-.00058	1.11330	1.04562	.73071	.76701	.79718	.31492	-.03018	.30679	-.03355
	GRADIENT	-.00059	-.00070	.01952	-.01988	-.00179	.00036	.03940	-.00215	.03906	-.00221

RUN NO. 98/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.899	-8.013	.00595	1.17925	.79120	1.09090	.84983	.84856	-.29970	.00129	-.30449	-.00253
.902	-6.140	.00366	1.20255	.83904	1.06784	.89556	.89915	-.22880	-.00358	-.23365	-.00718
.901	-4.004	.00208	1.20824	.88219	1.03076	.92647	.93351	-.14858	-.00704	-.15330	-.00897
.902	-2.019	.00046	1.21123	.92325	.99612	.94444	.95519	-.07287	-.01076	-.07769	-.01254
.902	-.005	-.00064	1.21370	.96250	.96221	.95146	.96494	.00029	-.01348	-.00535	-.01541
.900	1.986	-.00283	1.20981	.99693	.92155	.93953	.95685	.07538	-.01732	.06921	-.01913
.899	3.956	-.00435	1.20252	1.02934	.87930	.91477	.93638	.15004	-.02161	.14401	-.02378
.897	5.969	-.00636	1.18650	1.06006	.83416	.87594	.90128	.22590	-.02534	.21972	-.02714
.899	8.003	-.00818	1.16623	1.09418	.79229	.83050	.85870	.30189	-.02820	.29521	-.03045
	GRADIENT	-.00081	-.00064	.01847	-.01894	-.00141	.00038	.03741	-.00179	.03721	-.00182

RUN NO. 101/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.100	-7.996	-.00057	1.30214	.94481	1.21601	.99862	.99795	-.27120	.00067	-.27445	-.00041
1.101	-6.031	-.00260	1.32218	.98839	1.19409	1.03984	1.04312	-.20570	-.00328	-.20899	-.00480
1.103	-4.141	-.00428	1.32652	1.02267	1.16380	1.06401	1.06965	-.14112	-.00564	-.14416	-.00698
1.100	-2.009	-.00680	1.33069	1.06400	1.13086	1.08318	1.09228	-.06686	-.00910	-.07015	-.00944
1.101	-.142	-.00873	1.32942	1.09449	1.09944	1.08607	1.09724	-.00496	-.01116	-.00969	-.01197
1.101	1.982	-.01095	1.32745	1.12829	1.06254	1.07654	1.09255	.06576	-.01600	.06095	-.01618
1.100	4.000	-.01391	1.32117	1.15838	1.02298	1.05416	1.07378	.13541	-.01962	.13072	-.02007
1.098	5.935	-.01558	1.31315	1.18999	.98821	1.02672	1.04913	.20177	-.02241	.19770	-.02342
1.097	7.948	-.01723	1.28853	1.21356	.94507	.98158	1.00560	.26848	-.02402	.26396	-.02377
	GRADIENT	-.00115	-.00069	.01656	-.01726	-.00130	.00042	.03382	-.00172	.03359	-.00163

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (B4R001) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 107/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.250	-7.981	-.01296	1.39139	1.01502	1.28812	1.07054	1.07360	-.27310	-.00306	-.27524	-.00178
1.253	-5.997	-.01358	1.40625	1.05445	1.25966	1.10600	1.11391	-.20521	-.00791	-.20706	-.00638
1.250	-4.016	-.01377	1.41365	1.09281	1.22992	1.13184	1.14328	-.13711	-.01144	-.13877	-.00860
1.252	-2.021	-.01489	1.41296	1.12898	1.19492	1.14581	1.15937	-.06594	-.01357	-.06743	-.01091
1.250	-.008	-.01535	1.41179	1.16305	1.16124	1.14928	1.16618	.00181	-.01691	-.00147	-.01430
1.250	1.970	-.01549	1.40964	1.19583	1.12678	1.13970	1.16113	.06905	-.02143	.06682	-.01872
1.250	4.010	-.01641	1.40817	1.23155	1.08944	1.12024	1.14718	.14211	-.02695	.13965	-.02426
1.247	5.973	-.01737	1.39394	1.25971	1.05018	1.08880	1.11833	.20953	-.02952	.20716	-.02680
	8.020	-.01835	1.37567	1.29040	1.01147	1.04919	1.08082	.27893	-.03163	.27599	-.02912
	GRADIENT	-.00029	-.00071	.01718	-.01742	-.00147	.00047	.03460	-.00194	.03448	-.00195

RUN NO. 108/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.398	-7.966	-.01636	1.46612	1.03137	1.33382	1.10022	1.09894	-.30245	.00128	-.30320	.00346
1.401	-5.976	-.01771	1.47732	1.06997	1.29831	1.13292	1.13534	-.22834	-.00242	-.22897	-.00056
1.401	-3.968	-.01904	1.48674	1.11131	1.26446	1.15886	1.16564	-.15316	-.00678	-.15423	-.00439
1.401	-2.001	-.01850	1.48600	1.14918	1.22548	1.17234	1.18155	-.07630	-.00921	-.07744	-.00644
1.402	.018	-.01814	1.48594	1.18594	1.18722	1.17424	1.18793	-.00128	-.01369	-.00352	-.01050
1.402	1.970	-.02126	1.48038	1.21900	1.14897	1.16468	1.18231	.07004	-.01763	.06796	-.01463
1.401	4.013	-.02066	1.48260	1.25885	1.10891	1.14591	1.16875	.14993	-.02284	.14762	-.01952
1.402	5.978	-.02130	1.47699	1.29604	1.06981	1.11888	1.14363	.22623	-.02474	.22446	-.02167
1.400	7.998	-.02167	1.46165	1.33571	1.02846	1.08159	1.10619	.30725	-.02460	.30561	-.02163
	GRADIENT	-.00030	-.00069	.01831	-.01944	-.00169	.00034	.03775	-.00203	.03758	-.00193

RUN NO. 111/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.449	-7.908	-.01701	1.48726	1.00991	1.33290	1.08984	1.08159	-.32299	.00825	-.32321	.01179
1.450	-6.112	-.01908	1.50191	1.04552	1.29807	1.11983	1.11470	-.25255	.00513	-.25295	.00835
1.452	-4.011	-.02131	1.50157	1.08171	1.24756	1.13909	1.13568	-.16585	.00341	-.16670	.00659
1.452	-2.009	-.02542	1.49428	1.11494	1.20049	1.14630	1.14576	-.08555	.00054	-.08593	.00420
1.452	-.147	-.02675	1.49782	1.15161	1.16435	1.15054	1.15289	-.01274	-.00235	-.01309	.00086
1.452	1.976	-.02794	1.50303	1.19783	1.12282	1.14570	1.15263	.07500	-.00692	.07359	-.00340
1.451	3.934	-.02714	1.49859	1.24324	1.08445	1.13094	1.14230	.15879	-.01136	.15677	-.00693
1.450	5.988	-.02664	1.48966	1.28982	1.04809	1.10745	1.12156	.24174	-.01410	.24052	-.00946
1.449	7.949	-.02628	1.47196	1.32811	1.01025	1.07205	1.08858	.31786	-.01652	.31641	-.01219
	GRADIENT	-.00071	.00014	.02044	-.02032	-.00087	.00100	.04075	-.00186	.04058	-.00174

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (B4R001) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 112/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.498	-7.970	-.03421	1.50526	.96520	1.30882	1.05032	1.04859	-.34362	.00173	-.34426	.00491
1.500	-5.954	-.03660	1.51173	.98083	1.24541	1.05819	1.06198	-.26473	-.00378	-.26566	-.00042
1.501	-3.999	-.03302	1.51980	.98319	1.17220	1.04438	1.05307	-.18901	-.00869	-.18993	-.00520
1.500	-2.000	-.03114	1.52143	.99367	1.09624	1.02681	1.03616	-.10257	-.00935	-.10383	-.00541
1.500	.018	-.03100	1.51856	1.03043	1.03434	1.01853	1.03044	-.00390	-.01191	-.00513	-.00752
1.499	1.970	-.03101	1.51723	1.11268	1.02335	1.04751	1.06150	.08933	-.01399	.08816	-.00951
1.499	4.013	-.02734	1.51679	1.18412	1.00957	1.06030	1.07711	.17455	-.01681	.17281	-.01218
1.499	6.009	-.02991	1.51196	1.25254	.99353	1.05933	1.07819	.25900	-.01886	.25808	-.01436
1.500	7.970	-.03216	1.49993	1.30460	.96043	1.03145	1.05416	.34417	-.02271	.34257	-.01812
	GRADIENT	.00058	-.00051	.02605	-.01992	.00262	.00366	.04596	-.00104	.04588	-.00090

RUN NO. 115/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.550	-7.914	-.03110	1.54153	.61748	1.01190	.72641	.76518	-.39443	-.03877	-.39462	-.03352
1.551	-6.117	-.03834	1.54551	.67823	.95010	.73735	.77922	-.27187	-.04187	-.27203	-.03659
1.552	-3.987	-.02843	1.55026	.79273	.95136	.82479	.86051	-.15863	-.03572	-.15881	-.03015
1.552	-2.012	-.03456	1.55202	.93355	1.00235	.93796	.97062	-.06880	-.03265	-.06873	-.02698
1.550	-.002	-.03718	1.55542	1.00149	1.01224	.97994	1.01480	-.01075	-.03486	-.00985	-.02937
1.549	1.985	-.03861	1.54982	1.00306	.93555	.93567	.97724	.06751	-.04157	.06691	-.03580
1.549	3.960	-.03256	1.54393	.91794	.75093	.77594	.83379	.16701	-.05785	.16547	-.05298
1.547	5.999	-.03575	1.54726	.95977	.66894	.74073	.80200	.29082	-.06127	.28889	-.05602
1.548	7.985	-.04511	1.54383	1.06853	.65566	.76635	.82435	.41287	-.05799	.41140	-.05249
	GRADIENT	-.00062	-.00075	.01611	-.02348	-.00500	-.00232	.03959	-.00267	.03942	-.00274

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (C4R001) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 83/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.400	-8.011	-.00033	.77770	.65783	.71776	.03957	-.00261
.401	-5.968	-.00029	.78613	.71468	.75041	.04065	-.00314
.402	-4.023	-.00032	.79051	.75416	.77233	.04368	-.00229
.401	-1.975	-.00028	.79458	.77724	.78591	.03979	-.00030
.401	.013	.00006	.79895	.78313	.79104	.03816	-.00100
.401	1.996	-.00016	.79653	.77370	.78511	.04278	-.00213
.401	4.009	-.00008	.79303	.74903	.77103	.04287	-.00194
.402	5.976	.00012	.78661	.70776	.74719	.04148	-.00138
.402	7.998	.00008	.77794	.64705	.71250	.04044	-.00090
	GRADIENT	.00003	.00035	-.00067	-.00016	.00007	-.00005

RUN NO. 116/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-8.015	-.03713	.80903	.69655	.75279	.04141	-.00285
.599	-5.976	-.03749	.81786	.75285	.78536	.04188	-.00214
.599	-2.015	-.03826	.82879	.81542	.82210	.04022	-.00244
.601	-.019	-.03847	.82199	.81400	.81800	.04024	-.00219
.600	1.974	-.04058	.82898	.81247	.82073	.04171	-.00222
.599	4.002	-.04167	.82518	.78603	.80560	.04177	-.00189
.599	6.013	-.04140	.81792	.74351	.78071	.04113	-.00107
.600	7.987	-.04218	.80783	.68650	.74716	.04061	-.00167
	GRADIENT	-.00061	-.00019	-.00449	-.00234	.00030	.00008

RUN NO. 96/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.798	-8.037	.01202	.89034	.79163	.84099	.03947	-.00363
.801	-5.963	.00895	.89964	.84291	.87128	.03921	-.00203
.802	-4.007	.00757	.90608	.87662	.89135	.03960	-.00134
.801	-1.996	.00646	.91152	.89982	.90567	.03855	-.00258
.801	.010	.00595	.91167	.90493	.90830	.03820	-.00178
.802	1.984	.00393	.90986	.89552	.90269	.04006	-.00236
.800	4.015	.00290	.90679	.87193	.88936	.03963	-.00234
.798	5.980	.00171	.90171	.83577	.86874	.03850	-.00136
.799	8.010	-.00058	.89223	.78378	.83801	.03833	-.00217
	GRADIENT	-.00059	-.00001	-.00068	-.00035	.00008	-.00009

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (C4R001) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 98/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.899	-8.013	.00595	.94344	.85111	.89728	.03793	-.00297
.902	-6.140	.00366	.95587	.89915	.92751	.03756	-.00150
.901	-4.004	.00208	.95884	.93095	.94490	.03818	-.00118
.902	-2.019	.00046	.96210	.95070	.95640	.03689	-.00176
.902	-.005	-.00064	.96518	.95917	.96217	.03630	-.00146
.900	1.986	-.00283	.96233	.94909	.95571	.03802	-.00229
.899	3.956	-.00435	.95733	.92666	.94200	.03785	-.00207
.897	5.969	-.00636	.95020	.88951	.91986	.03733	-.00154
.899	8.003	-.00818	.94657	.84572	.89615	.03702	-.00167
	GRADIENT	-.00081	-.00014	-.00050	-.00032	.00002	-.00012

RUN NO. 101/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.100	-7.996	-.00057	1.08203	.99883	1.04043	.03311	-.00253
1.101	-6.031	-.00260	1.09289	1.04224	1.06756	.03370	-.00164
1.103	-4.141	-.00428	1.09475	1.06750	1.08112	.03496	-.00101
1.100	-2.009	-.00680	1.09907	1.08790	1.09349	.03342	-.00121
1.101	-.142	-.00873	1.09933	1.09205	1.09569	.03232	-.00168
1.101	1.982	-.01095	1.09781	1.08463	1.09122	.03407	-.00201
1.100	4.000	-.01391	1.09302	1.06420	1.07861	.03493	-.00199
1.098	5.935	-.01558	1.09114	1.03843	1.06478	.03382	-.00100
1.097	7.948	-.01723	1.08158	.99346	1.03752	.03246	.00024
	GRADIENT	-.00115	-.00023	-.00049	-.00036	.00003	-.00014

RUN NO. 107/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.250	-7.981	-.01296	1.15264	1.07143	1.11204	.03449	-.00263
1.253	-5.997	-.01358	1.15798	1.10919	1.13358	.03412	-.00169
1.250	-4.016	-.01377	1.16220	1.13614	1.14917	.03558	-.00093
1.252	-2.021	-.01489	1.16270	1.15127	1.15698	.03426	-.00142
1.250	-.008	-.01535	1.16378	1.15643	1.16011	.03301	-.00190
1.250	1.970	-.01549	1.16242	1.14906	1.15574	.03561	-.00272
1.250	4.010	-.01641	1.16172	1.13237	1.14705	.03520	-.00207
1.250	5.973	-.01737	1.15613	1.10220	1.12916	.03383	-.00100
1.247	8.020	-.01835	1.15241	1.06375	1.10808	.03353	-.00120
	GRADIENT	-.00029	-.00006	-.00049	-.00028	.00003	-.00018

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (C4R001) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 108/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.398	-7.966	-.01636	1.18297	1.09849	1.14073	.03749	-.00197
1.401	-5.976	-.01771	1.18446	1.13320	1.15883	.03691	-.00212
1.401	-3.968	-.01904	1.18842	1.16106	1.17474	.03844	-.00132
1.401	-2.001	-.01850	1.18790	1.17556	1.18173	.03816	-.00141
1.402	.018	-.01814	1.18770	1.17949	1.18360	.03590	-.00215
1.402	1.970	-.02126	1.18502	1.17199	1.17851	.03790	-.00236
1.401	4.013	-.02066	1.18504	1.15567	1.17035	.03921	-.00192
1.402	5.978	-.02130	1.18381	1.12971	1.15676	.03953	-.00039
1.400	7.998	-.02167	1.18291	1.09240	1.13766	.04050	.00022
	GRADIENT	-.00030	-.00048	-.00073	-.00061	.00006	-.00011

RUN NO. 111/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.449	-7.908	-.01701	1.17151	1.08395	1.12773	.03859	-.00220
1.450	-6.112	-.01908	1.17200	1.11566	1.14383	.04012	-.00135
1.452	-4.011	-.02131	1.16506	1.13580	1.15043	.04116	-.00080
1.452	-2.009	-.02542	1.15790	1.14420	1.15105	.03941	-.00156
1.452	-.147	-.02675	1.15816	1.15011	1.15413	.03955	-.00196
1.452	1.976	-.02794	1.16103	1.14740	1.15422	.04210	-.00200
1.451	3.934	-.02714	1.16485	1.13441	1.14963	.04205	-.00147
1.450	5.988	-.02664	1.16956	1.11218	1.14087	.03950	-.00123
1.449	7.949	-.02628	1.16991	1.07814	1.12403	.03830	-.00147
	GRADIENT	-.00071	.00014	.00000	.00007	.00023	-.00009

RUN NO. 112/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.498	-7.970	-.03421	1.13733	1.04787	1.09260	.03926	-.00251
1.500	-5.954	-.03660	1.11351	1.05840	1.08596	.03845	-.00291
1.501	-3.999	-.03302	1.07815	1.04698	1.06257	.04011	-.00113
1.500	-2.000	-.03114	1.04558	1.02952	1.03755	.04649	-.00028
1.500	.018	-.03100	1.03300	1.02229	1.02764	.04986	-.00119
1.499	1.970	-.03101	1.06860	1.05227	1.06043	.04420	-.00116
1.499	4.013	-.02734	1.09772	1.06639	1.08205	.04125	-.00115
1.499	6.009	-.02991	1.12350	1.06651	1.09501	.04328	-.00143
1.500	7.970	-.03216	1.13331	1.04051	1.08691	.04297	-.00215
	GRADIENT	.00058	.00310	.00307	.00309	.00000	-.00005

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (C4R001) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 115/ 0 RN/L = 2.00 GRADIENT INTEPVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.550	-7.914	-.03110	.81479	.74317	.77898	.07176	-.00293
1.551	-6.117	-.03834	.81425	.75565	.78495	.06114	.00073
1.552	-3.987	-.02843	.87213	.83986	.85600	.04979	.00328
1.552	-2.012	-.03456	.96791	.95146	.95968	.03611	-.00012
1.550	-.002	-.03718	1.00641	.99462	1.00052	.03076	-.00154
1.549	1.985	-.03861	.96961	.95357	.96159	.04471	-.00701
1.549	3.960	-.03256	.83521	.80242	.81881	.05603	-.00626
1.547	5.999	-.03575	.81532	.76874	.79203	.06230	.00128
1.548	7.985	-.04511	.86283	.79260	.82772	.06136	.00203
	GRADIENT	-.00062	-.00360	-.00363	-.00361	.00106	-.00131

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R002) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.820 BETA = .000
PHI = .000

RUN NO. 58/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.400	-7.965	.00107	84.39850	1.03437	752.96900	840.80000	1.04065	66.00000	.00000	-7.68900	-.04000
.401	-5.998	.00013	84.77030	1.03499	752.06200	840.30000	1.04090	66.50000	.00000	-5.72700	-.04000
.401	-4.039	-.00092	84.48660	1.03200	751.86800	839.80000	1.04074	66.90000	.00000	-3.77400	-.04000
.401	-2.001	-.00212	84.57750	1.03096	751.26700	839.30000	1.04084	67.40000	.00000	-1.74300	-.04000
.401	-.000	-.00311	84.57470	1.02988	750.76800	838.80000	1.04086	67.70000	.00000	.25000	-.04000
.401	1.996	-.00433	84.47880	1.02781	750.47000	838.40000	1.04083	68.20000	.00000	2.24000	-.04000
.401	3.968	-.00525	84.48100	1.02733	750.86900	838.80000	1.04081	68.50000	.00000	4.20800	-.04000
.401	6.001	-.00637	84.57860	1.02735	751.46700	839.50000	1.04082	68.90000	.00000	6.23800	-.04000
.401	8.004	-.00757	84.67560	1.02755	751.96400	840.10000	1.04083	69.20000	.00000	8.23800	-.04000
	GRADIENT	-.00054	-.00542	-.00062	-.14020	-.14537	.00001	.19996	.00000	.99689	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R002) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.820 BETA = .000
PHI = .000

RUN NO. 92/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-7.988	.00054	320.04100	2.47922	1271.96001	1621.80000	1.09311	110.10000	.00000	-7.54800	.02000
.600	-6.000	-.00002	319.94600	2.47857	1271.56000	1621.30000	1.09312	110.10000	.00000	-5.58200	.02000
.600	-4.049	.00014	320.29800	2.47983	1271.95000	1622.10001	1.09320	110.20000	.00000	-3.65400	.02000
.600	-2.020	.00096	319.76000	2.47826	1270.97000	1620.50000	1.09310	109.90000	.00000	-1.65000	.02000
.600	.001	.00076	319.84400	2.47745	1270.86000	1620.50000	1.09316	110.10000	.00000	.34400	.02000
.600	1.990	-.00012	320.51700	2.48119	1272.35001	1620.80000	1.09339	109.90000	.00000	2.30600	.02000
.600	4.016	-.00062	320.11900	2.48044	1271.66000	1621.60001	1.09316	109.90000	.00000	4.30400	.02000
.599	5.964	-.00169	319.89300	2.47881	1272.96001	1622.60001	1.09299	110.20000	.00000	6.22300	.02000
.599	7.997	-.00077	320.43700	2.48287	1274.24001	1624.50000	1.09307	110.10000	.00000	8.22600	.03000
	GRADIENT	-.00013	.01951	.00020	-.05964	-.03517	.00001	-.02979	.00000	.98669	-.00000

RUN NO. 102/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.249	-7.940	.00169	404.92500	1.95231	370.98300	959.30003	1.42264	110.80000	.00000	-7.48600	-.04000
1.251	-5.965	-.00095	406.14400	1.95707	370.97100	961.70000	1.42364	110.80000	.00000	-5.55700	-.04000
1.251	-4.015	-.00305	404.60500	1.95019	369.20400	957.90000	1.42395	110.60000	.00000	-3.65300	-.04000
1.251	-1.990	-.00556	403.27700	1.94368	368.32600	954.90000	1.42366	110.70000	.00000	-1.67500	-.04000
1.251	-.002	-.00741	403.99500	1.94623	368.51700	956.40000	1.42407	110.80000	.00000	.27000	-.04000
1.250	2.006	-.00964	403.90200	1.94719	369.40900	956.60000	1.42321	110.70000	.00000	2.23500	-.04000
1.250	3.990	-.01177	404.05400	1.94824	369.40700	956.90000	1.42333	110.60000	.00000	4.17700	-.04000
1.248	5.984	-.01417	403.68300	1.94776	370.40100	956.60000	1.42216	110.60000	.00000	6.12800	-.04000
1.248	8.004	-.01584	403.79200	1.94794	370.59800	956.90000	1.42207	110.70000	.00000	8.10400	-.04000
	GRADIENT	-.00108	-.02426	-.00002	.07415	-.01595	-.00008	.00005	.00000	.97814	-.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (84R002) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.820 BETA = .000
PHI = .000

RUN NO. 58/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.400	-7.965	.00107	.83983	.45646	.80377	.52649	.50413	-.34732	.02236	-.31799	.00997
.401	-5.998	.00013	.86327	.50193	.77055	.57629	.56234	-.26857	.01395	-.23626	.00905
.401	-4.039	-.00092	.87908	.55196	.73803	.61542	.60855	-.18606	.00687	-.15062	.00339
.401	-2.001	-.00212	.88266	.59730	.69627	.63623	.63555	-.09897	.00068	-.06105	-.00162
.401	-.000	-.00311	.88341	.63751	.65750	.64327	.64593	-.01999	-.00266	.00690	-.00636
.401	1.996	-.00433	.88235	.67658	.61499	.63463	.63916	.06159	-.00454	.09175	-.00933
.401	3.968	-.00525	.87999	.71708	.57386	.61083	.62116	.14322	-.01033	.17829	-.01457
.401	6.001	-.00637	.86459	.75519	.52612	.56845	.58276	.22907	-.01431	.26820	-.01896
.401	8.004	-.00757	.83349	.78537	.47421	.50737	.52618	.31117	-.01881	.35226	-.02279
	GRADIENT	-.00054	.00008	.02047	-.02047	-.00051	.00147	.04094	-.00198	.04051	-.00218

RUN NO. 92/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.600	-7.988	.00054	1.04579	.64505	.97165	.70523	.70105	-.32660	.00424	-.33201	-.00347
.600	-6.000	-.00002	1.07076	.69444	.94288	.75585	.75903	-.24843	-.00318	-.25292	-.00894
.600	-4.049	.00014	1.08046	.74239	.90796	.79214	.79889	-.16557	-.00675	-.16973	-.01269
.600	-2.020	.00096	1.08697	.79147	.87146	.81785	.82744	-.07999	-.00958	-.08430	-.01536
.600	.001	.00076	1.08748	.83389	.83101	.82163	.83665	.00288	-.01502	-.00321	-.02066
.600	1.990	-.00012	1.08268	.87062	.78709	.80686	.82712	.08353	-.02026	.07782	-.02660
.600	4.016	-.00062	1.07829	.91068	.74022	.77754	.80193	.17046	-.02438	.16419	-.03081
.599	5.964	-.00169	1.06128	.94443	.69307	.73388	.76323	.25136	-.02934	.24534	-.03583
.599	7.997	-.00077	1.03233	.97643	.64316	.67495	.70703	.33327	-.03207	.32795	-.03895
	GRADIENT	-.00013	-.00043	.02064	-.02084	-.00199	.00029	.04149	-.00228	.04121	-.00236

RUN NO. 102/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.249	-7.940	.00169	1.38398	1.01155	1.28485	1.06491	1.07137	-.27330	-.00646	-.27619	-.00676
1.251	-5.965	-.00095	1.40504	1.05436	1.26078	1.10447	1.11553	-.20642	-.01106	-.20948	-.01042
1.251	-4.015	-.00305	1.41280	1.09253	1.23070	1.13054	1.14472	-.13817	-.01418	-.14098	-.01382
1.251	-1.990	-.00556	1.41332	1.13018	1.19646	1.14583	1.16180	-.06628	-.01597	-.06931	-.01557
1.251	-.002	-.00741	1.41115	1.16251	1.16204	1.14850	1.16689	.00047	-.01839	-.00351	-.01802
1.250	2.006	-.00964	1.40993	1.19661	1.12821	1.13942	1.16281	.06839	-.02339	.06481	-.02304
1.250	3.990	-.01177	1.40722	1.23102	1.09091	1.12068	1.14719	.14010	-.02652	.13661	-.02630
1.248	5.984	-.01417	1.39258	1.25945	1.05170	1.08831	1.11903	.20775	-.03072	.20410	-.03045
1.248	8.004	-.01584	1.37251	1.28719	1.01191	1.04791	1.07963	.27528	-.03172	.27149	-.03175
	GRADIENT	-.00108	-.00073	.01717	-.01738	-.00130	.00031	.03455	-.00160	.03445	-.00162

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (C4R002) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.820 BETA = .000
PHI = .000

RUN NO. 58/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.400	-7.965	.00107	.61545	.52151	.56848	.04120	.00022
.401	-5.998	.00012	.62011	.57177	.59594	.04221	-.00184
.401	-4.039	-.00092	.62727	.61372	.62050	.04574	-.00295
.401	-2.001	-.00212	.62782	.63704	.63243	.03777	-.00244
.401	-.000	-.00311	.63405	.64645	.64025	.03678	-.00178
.401	1.996	-.00433	.63070	.63929	.63500	.04456	-.00201
.401	3.968	-.00525	.62793	.61812	.62302	.04410	-.00264
.401	6.001	-.00637	.62109	.57793	.59951	.04328	-.00191
.401	8.004	-.00757	.60924	.51876	.56400	.04131	-.00191
	GRADIENT	-.00054	.00021	.00058	.00040	.00017	.00005

RUN NO. 92/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.600	-7.988	.00054	.81106	.70702	.75904	.03901	-.00291
.600	-6.000	-.00002	.82090	.76032	.79061	.04132	-.00243
.600	-4.049	.00014	.82726	.79849	.81287	.04300	-.00137
.600	-2.020	.00096	.83362	.82553	.82958	.04094	-.00183
.600	.001	.00076	.83550	.83196	.83373	.03993	-.00314
.600	1.990	-.00012	.83171	.82016	.82594	.04192	-.00243
.600	4.016	-.00062	.82859	.79295	.81077	.04249	-.00234
.599	5.964	-.00169	.82176	.75180	.78678	.04099	-.00221
.599	7.997	-.00077	.81245	.69443	.75344	.04043	-.00120
	GRADIENT	-.00013	.00004	-.00081	-.00038	-.00000	-.00013

RUN NO. 102/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.249	-7.940	.00169	1.14964	1.06829	1.10897	.03348	-.00182
1.251	-5.965	-.00095	1.15910	1.10968	1.13439	.03437	-.00192
1.251	-4.015	-.00305	1.16302	1.13745	1.15023	.03574	-.00130
1.251	-1.990	-.00556	1.16483	1.15362	1.15922	.03421	-.00073
1.251	-.002	-.00741	1.16426	1.15751	1.16089	.03287	-.00209
1.250	2.006	-.00964	1.16420	1.15094	1.15757	.03560	-.00211
1.250	3.990	-.01177	1.16272	1.13383	1.14827	.03533	-.00188
1.248	5.984	-.01417	1.15740	1.10354	1.13047	.03322	-.00153
1.248	8.004	-.01584	1.15145	1.06378	1.10762	.03342	-.00020
	GRADIENT	-.00108	-.00006	-.00049	-.00027	.00003	-.00013

IA132(AEDC TF-505) TANK UPRT W/O FRNG.LOUVR FILL (A4R003) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.478 BETA = .000
PHI = .000

RUN NO. 87/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-7.930	.03343	318.99800	2.46995	1267.69000	1616.39999	1.09314	110.30000	.00000	-7.38700	.02000
.599	-6.036	.03234	319.29000	2.47303	1269.17999	1618.20000	1.09311	110.20000	.00000	-5.49500	.02000
.601	-4.016	.03095	321.16400	2.48517	1272.33000	1623.50000	1.09343	110.00000	.00000	-3.47800	.02000
.600	-2.001	.03047	320.82100	2.48418	1272.34000	1623.10001	1.09332	109.90000	.00000	-1.47000	.02000
.600	-.016	.02888	320.28400	2.47994	1271.35001	1621.50000	1.09325	110.10000	.00000	.50200	.02000
.600	2.009	.02502	319.85100	2.47772	1271.16000	1620.80000	1.09313	110.10000	.00000	2.49800	.02000
.600	3.987	.02267	320.01700	2.47776	1270.96001	1620.80000	1.09319	110.20000	.00000	4.43800	.02000
.599	6.006	.02130	319.59100	2.47592	1271.07001	1621.20000	1.09305	110.20000	.00000	6.41600	.02000
.600	7.994	.01995	320.44300	2.47960	1270.85001	1621.20000	1.09333	110.20000	.00000	8.36100	.02000
	GRADIENT	-.00110	-.16318	-.00106	-.19576	-.38474	-.00003	.02993	.00000	.98919	-.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG.LOUVR FILL (B4R003) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.478 BETA = .000
PHI = .000

RUN NO. 87/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.600	-7.930	.03343	1.05107	.65067	.97102	.71069	.70889	-.32036	.00181	-.32965	-.00558
.599	-6.036	.03234	1.07131	.69786	.93826	.75901	.76227	-.24040	-.00326	-.24853	-.00900
.601	-4.016	.03095	1.08253	.74815	.90488	.79609	.80359	-.15673	-.00750	-.16488	-.01351
.600	-2.001	.03047	1.08524	.79354	.86623	.81639	.82811	-.07269	-.01172	-.08125	-.01714
.600	-.016	.02888	1.08819	.83738	.82816	.82079	.83727	.00922	-.01648	-.00047	-.02256
.600	2.009	.02502	1.08608	.87717	.78397	.80632	.82721	.09319	-.02089	.08388	-.02724
.599	3.987	.02267	1.07842	.91343	.73660	.77444	.80086	.17683	-.02643	.16697	-.03313
.600	6.006	.02130	1.05967	.94726	.68905	.72810	.75999	.25821	-.03189	.24914	-.03800
.600	7.994	.01995	1.02774	.97621	.63745	.66747	.70047	.33876	-.03301	.33031	-.03962
	GRADIENT	-.00110	-.00037	.02069	-.02092	-.00266	-.00031	.04162	-.00235	.04141	-.00247

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (C4R003) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.478 BETA = .000
PHI = .000

RUN NO. 87/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.600	-7.930	.03343	.81550	.71348	.76449	.04323	-.00165
.599	-6.036	.03234	.82213	.76351	.79282	.04204	-.00213
.601	-4.016	.03095	.83059	.80284	.81672	.04141	-.00192
.600	-2.001	.03047	.83416	.82496	.82956	.04105	-.00228
.600	-.016	.02888	.83762	.83207	.83484	.04094	-.00257
.600	2.009	.02502	.83523	.81994	.82759	.04218	-.00258
.600	3.987	.02267	.82994	.79100	.81047	.04135	-.00301
.599	6.006	.02130	.82269	.74710	.78489	.04057	-.00155
.600	7.994	.01995	.81105	.68728	.74917	.04098	-.00045
	GRADIENT	-.00110	-.00001	-.00143	-.00072	.00005	-.00012

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R004) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.006 BETA = .000
PHI = .000

RUN NO. 60/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-7.928	.02309	258.98300	2.01097	1028.48000	1311.60001	1.09320	108.90000	.00000	-7.47100	.03000
.598	-6.018	.02384	256.08900	1.98614	1021.76000	1301.60001	1.09275	110.30000	.00000	-5.54900	.03000
.601	-3.987	.02523	254.61000	2.00674	1005.73000	1284.20000	1.09371	101.30000	.00000	-3.49700	.03000
.600	-2.041	.02475	257.19100	2.01816	1021.24000	1302.39999	1.09320	104.20000	.00000	-1.54900	.03000
.600	-.088	.02431	258.04300	2.01726	1024.81000	1306.89999	1.09319	105.90000	.00000	.39200	.03000
.599	1.969	.02332	258.44500	2.01395	1027.39000	1309.89999	1.09311	107.50000	.00000	2.43600	.03000
.600	4.015	.02298	258.89800	2.01103	1028.48000	1311.50000	1.09317	108.80000	.00000	4.46000	.03000
.599	5.990	.02236	258.01400	2.00068	1027.30000	1309.30000	1.09296	110.00000	.00000	6.40800	.03000
.599	8.027	.02187	257.56100	1.99285	1026.22000	1307.70000	1.09287	111.10000	.00000	8.41300	.03000
	GRADIENT	-.00030	.48846	.00020	2.56429	3.08362	-.00006	.91242	.00000	.99418	-.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (B4R004) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.006 BETA = .000
PHI = .000

RUN NO. 60/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.600	-7.928	.02309	.45437	.06441	.38984	.12395	.11644	-.32543	.00750	-.31804	.00465
.598	-6.018	.02384	.46212	.09745	.34383	.15916	.15640	-.24638	.00276	-.23904	.00241
.601	-3.987	.02523	.42880	.10715	.26210	.15506	.15849	-.15495	-.00343	-.14780	-.00337
.600	-2.041	.02475	.50438	.22210	.30149	.25005	.25520	-.07940	-.00515	-.06836	-.00448
.599	1.969	.02332	.49810	.25414	.25475	.24675	.25759	-.00061	-.01084	.00816	-.01058
.600	4.015	.02298	.49045	.28679	.20401	.22648	.24168	.08278	-.01520	.09533	-.01457
.599	5.990	.02236	.48096	.32212	.15285	.19172	.21440	.16927	-.02268	.18586	-.02251
.599	8.027	.02187	.46215	.35050	.10090	.14415	.17021	.24960	-.02606	.27037	-.02624
	GRADIENT	-.00030	.00442	.02462	-.01588	.00234	.00477	.04051	-.00243	.04153	-.00242

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (C4R004) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.006 BETA = .000
PHI = .000

RUN NO. 60/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.600	-7.928	.02309	.22343	.12162	.17253	.04020	-.00052
.598	-6.018	.02384	.21697	.15795	.18746	.04371	-.00248
.601	-3.987	.02523	.18105	.15674	.16890	.04358	-.00147
.600	-2.041	.02475	.25628	.25228	.25428	.03902	-.00173
.599	1.969	.02332	.25006	.25204	.25105	.04038	-.00267
.600	4.015	.02298	.23913	.23377	.23645	.04398	-.00291
.599	5.990	.02236	.22919	.20297	.21608	.04356	-.00317
.599	8.027	.02187	.21532	.15727	.18629	.04281	-.00164
	GRADIENT	-.00030	.20110	.09671	.14890	.04369	-.00246
			.00386	.00355	.00370	.00025	-.00023

IA132(AEDC TF-505) TANK UPRT W/O FRNG.LOUVR FILL (A4R005) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 212/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.400	-7.999	-.00290	84.59070	1.03306	753.66400	841.70000	1.04073	67.20000	.00000	-7.68700	.02000
.402	-6.060	-.00224	85.05760	1.03463	752.95500	841.50000	1.04097	67.60000	.00000	-5.75300	.02000
.402	-4.076	-.00165	85.24220	1.03445	752.25200	841.00000	1.04110	68.00000	.00000	-3.77400	.02000
.401	-2.014	-.00101	84.86500	1.03041	752.16000	840.50000	1.04092	68.60000	.00000	-1 71800	.02000
.398	-.015	-.00054	83.54740	1.02146	752.48700	839.40000	1.04026	68.80000	.00000	.27400	.02000
.399	1.946	.00016	83.63900	1.02101	751.98600	839.00000	1.04035	69.10000	.00000	2.22900	.02000
.400	3.970	.00075	84.21060	1.02470	753.07200	840.70000	1.04057	69.40000	.00000	4.24600	.02000
.400	5.949	.00151	84.49870	1.02623	754.06500	842.00000	1.04064	69.80000	.00000	6.21800	.02000
.400	7.977	.00211	84.59850	1.02701	755.06200	843.10000	1.04062	70.00000	.00000	8.24000	.02000
	GRADIENT	.00030	-.16433	-.00144	.07326	-.10489	-.00008	.16477	.00000	.99676	-.00000

RUN NO. 225/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-7.984	.00666	320.91400	2.48762	1272.63000	1623.50003	1.09335	109.40000	.00000	-7.61200	-.02000
.600	-4.034	.00354	321.36700	2.48889	1273.72000	1625.10001	1.09339	109.70000	.00000	-3.70500	-.01000
.601	-.051	.00134	321.68900	2.49017	1272.82001	1624.60001	1.09354	109.60000	.00000	.23100	.00000
.600	4.016	.00104	320.23100	2.48516	1272.75000	1622.80000	1.09312	109.30000	.00000	4.24800	.00000
.600	8.028	.00004	320.40000	2.48696	1272.64999	1622.89999	1.09316	109.10000	.00000	8.21600	.00000
	GRADIENT	-.00031	-.14189	-.00047	-.12014	-.28628	-.00003	-.04978	.00000	.98798	.00124

RUN NO. 226/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-7.973	.00538	322.87200	2.00030	720.81900	1098.70000	1.17037	110.20000	.00000	-7.59500	-.01000
.800	-5.934	.00437	322.31500	1.99805	720.33200	1097.50000	1.17018	110.10000	.00000	-5.57900	-.01000
.800	-3.990	.00332	322.84700	2.00071	720.42000	1098.30000	1.17046	110.00000	.00000	-3.65800	-.01000
.799	-1.965	.00241	323.29800	2.00323	721.60900	1100.00000	1.17041	110.10000	.00000	-1.65800	-.01000
.800	.052	.00161	322.71500	2.00076	721.92100	1099.50000	1.17001	110.20000	.00000	.33300	-.01000
.800	2.039	.00089	322.64700	1.99778	719.62600	1097.30000	1.17055	110.30000	.00000	2.29400	-.01000
.800	4.026	.00030	322.89800	1.99872	720.02000	1098.00000	1.17059	110.40000	.00000	4.25700	-.01000
.800	5.998	-.00027	323.11000	2.00010	721.01400	1099.20000	1.17046	110.50000	.00000	6.20500	-.01000
.800	8.045	-.00037	322.97900	1.99869	720.11800	1098.20000	1.17061	110.50000	.00000	8.22700	-.01000
	GRADIENT	-.00038	-.02743	-.00047	-.13791	-.16383	.00002	.04991	.00000	.98725	-.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R005) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 228/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.899	-7.911	.00957	349.55300	1.99532	617.44100	1043.50000	1.21887	111.40000	.00000	-7.51500	-.06000
.899	-6.114	.00379	348.24200	1.98803	615.37200	1039.80000	1.21877	111.20000	.00000	-5.74300	-.03000
.898	-3.983	.00319	348.93600	1.99394	617.55300	1042.70000	1.21841	111.20000	.00000	-3.64200	-.04000
.900	-2.002	.00137	349.93300	1.99637	617.03400	1043.70000	1.21928	111.40000	.00000	-1.68900	-.04000
.899	.024	-.00027	349.35700	1.99935	616.84600	1042.70000	1.21897	110.20000	.00000	.30800	-.04000
.899	2.020	-.00139	349.41400	2.00064	617.44400	1043.30000	1.21877	110.10000	.00000	2.27300	-.04000
.900	3.952	-.00287	350.02100	2.00233	617.23200	1044.00000	1.21926	110.20000	.00000	4.17800	-.04000
.900	6.015	-.00460	349.71800	2.00148	616.24000	1042.70000	1.21944	109.90000	.00000	6.21100	-.04000
.900	8.010	-.00422	349.45300	1.99983	615.64700	1041.80000	1.21949	109.90000	.00000	8.17800	-.03000
	GRADIENT	-.00075	.08241	.00106	-.01171	.10971	.00006	-.16658	.00000	.98542	-.00000

RUN NO. 230/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.101	-7.903	.00283	372.19200	1.89905	438.64200	937.70000	1.33808	110.00000	.00000	-7.47400	-.02000
1.102	-6.098	.00243	372.75700	1.90142	438.83200	938.80000	1.33844	110.00000	.00000	-5.70100	-.02000
1.102	-3.994	.00179	373.57200	1.90431	439.41700	940.60000	1.33873	110.20000	.00000	-3.63400	-.02000
1.099	-1.974	.00081	371.91500	1.89818	439.64000	937.90000	1.33706	110.20000	.00000	-1.65100	-.02000
1.100	-.111	-.00015	371.97600	1.89821	439.04200	937.60000	1.33758	110.10000	.00000	.17700	-.02000
1.100	2.030	-.00090	372.01600	1.89739	438.94200	937.60000	1.33769	110.30000	.00000	2.27900	-.02000
1.098	3.916	-.00155	371.03400	1.89512	439.95100	936.60000	1.33602	110.20000	.00000	4.13100	-.02000
1.098	6.009	-.00248	371.52000	1.89741	440.34200	937.70000	1.33616	110.20000	.00000	6.18600	-.02000
1.098	8.015	-.00287	371.22900	1.89641	440.04700	937.00000	1.33612	110.10000	.00000	8.15300	-.02000
	GRADIENT	-.00042	-.25044	-.00097	.01847	-.41793	-.00024	.00545	.00000	.98172	.00000

RUN NO. 518/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.007	.00526	404.42400	1.95232	369.80000	957.80000	1.42328	110.10000	.00000	-5.64800	.00000
1.250	-4.047	.00484	403.51000	1.94986	369.11600	955.70000	1.42315	109.70000	.00000	-3.72400	-.01000
1.250	-2.034	.00350	403.25600	1.94952	368.42500	954.90000	1.42355	109.40000	.00000	-1.74800	-.01000
1.250	-.026	.00261	404.61300	1.95606	370.09500	958.30000	1.42317	109.50000	.00000	.22200	-.01000
1.250	1.971	.00174	404.58400	1.95675	369.99600	958.20000	1.42324	109.30000	.00000	2.18100	-.01000
1.250	4.002	.00084	403.34300	1.95151	368.72100	955.20000	1.42336	109.10000	.00000	4.17500	-.01000
1.250	6.017	.00012	403.78500	1.95400	369.01400	956.20000	1.42347	109.00000	.00000	6.15200	-.01000
	GRADIENT	-.00049	.04907	.00052	.03845	.11350	.00001	-.06469	.00000	.98130	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R005) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 232/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.398	-7.910	.00667	428.83600	1.99359	313.40800	994.70000	1.49282	111.10000	.00000	-7.47200	-.03000
1.398	-6.081	.00662	429.27000	1.99505	313.60200	995.70000	1.49293	111.20000	.00000	-5.67700	-.04000
1.399	-3.969	.00556	429.92000	1.99839	313.89300	997.20000	1.49311	111.10000	.00000	-3.60600	-.04000
1.401	-2.005	.00493	430.58400	1.99983	313.49100	998.70000	1.49393	111.30000	.00000	-1.68100	-.03000
1.399	-.114	.00191	429.79500	1.99718	313.59700	996.90000	1.49330	111.20000	.00000	.17400	-.03000
1.400	2.029	.00060	428.93600	1.99362	312.81400	994.90000	1.49344	111.10000	.00000	2.27500	-.04000
1.400	3.949	-.00094	429.71600	1.99700	313.20200	996.70000	1.49361	111.10000	.00000	4.15700	-.04000
1.399	5.992	-.00109	430.05200	1.99985	313.89200	997.50000	1.49319	110.90000	.00000	6.16000	-.03000
1.402	7.998	.00008	430.07500	1.99713	312.70500	997.50000	1.49431	111.30000	.00000	8.12500	-.04000
	GRADIENT	-.00087	-.10467	-.00046	-.10464	-.24436	.00003	-.01028	.00000	.98049	-.00053

RUN NO. 234/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-7.885	-.00344	433.10200	2.00156	294.36000	1005.30000	1.51359	110.00000	.00000	-7.44700	.05000
1.451	-5.964	-.00248	432.98800	2.00206	293.76700	1005.10000	1.51408	109.70000	.00000	-5.56300	.04000
1.451	-3.972	-.00459	432.52600	1.99822	293.67200	1004.00000	1.51388	110.10000	.00000	-3.60900	.04000
1.451	-1.953	-.00167	433.99000	2.00403	294.64800	1007.40000	1.51389	110.30000	.00000	-1.63000	.04000
1.450	.036	.00006	432.79000	1.99766	293.96700	1004.60000	1.51377	110.50000	.00000	.32100	.04000
1.449	2.009	-.00047	431.52300	1.99308	293.58400	1001.60000	1.51331	110.30000	.00000	2.25500	.04000
1.450	3.988	.00167	433.75000	2.00179	294.84900	1006.80000	1.51355	110.60000	.00000	4.19500	.03000
1.450	6.028	.00401	432.61900	1.99595	293.87000	1004.20000	1.51375	110.70000	.00000	6.19500	.04000
1.451	8.021	.00496	432.03200	1.99289	292.98400	1002.90000	1.51422	110.70000	.00000	8.14800	.03000
	GRADIENT	.00069	-.00066	-.00019	.06502	-.00937	-.00006	.05038	.00000	.98049	-.00100

RUN NO. 236/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.501	-7.897	.00002	434.80100	1.99343	275.87600	1013.50000	1.53242	110.60000	.00000	-7.46100	-.01000
1.501	-6.097	.00078	438.49000	2.00940	278.21700	1022.10000	1.53242	110.80000	.00000	-5.69400	-.01000
1.500	-3.988	.00224	435.20600	1.99443	276.26900	1014.40000	1.53228	110.80000	.00000	-3.62600	-.02000
1.500	-2.112	.00104	435.11500	1.99492	276.17000	1014.20000	1.53232	110.60000	.00000	-1.78600	-.02000
1.499	-.020	.00005	435.96000	1.99821	277.25400	1016.00000	1.53180	110.80000	.00000	.26600	-.02000
1.499	2.016	-.00117	435.54400	1.99522	276.76200	1015.10000	1.53202	111.00000	.00000	2.26100	-.02000
1.498	3.934	-.00006	435.16100	1.99508	276.86600	1014.10000	1.53168	110.70000	.00000	4.14200	-.02000
1.501	6.003	-.00133	435.18100	1.99327	276.07000	1014.40000	1.53246	111.00000	.00000	6.17000	-.01000
1.501	8.010	.00081	435.19500	1.99368	275.87100	1014.50000	1.53266	110.90000	.00000	8.13700	-.01000
	GRADIENT	-.00034	.01790	.00008	.09022	.01712	-.00008	.01075	.00000	.98060	-.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R005) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 238/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.549	-7.918	.00800	438.31000	1.99849	260.96600	1028.89999	1.54906	110.90000	.00000	-7.48200	-.04000
1.552	-6.084	.00890	437.50500	1.99849	259.57800	1027.50000	1.54996	110.80000	.00000	-5.68300	-.04000
1.550	-3.998	.01129	437.79600	1.99642	260.27300	1027.89999	1.54944	110.80000	.00000	-3.63700	-.05000
1.552	-2.069	.00670	438.04800	1.99720	259.66900	1028.89999	1.55019	110.80000	.00000	-1.74500	-.05000
1.547	.027	.00337	437.71300	1.99605	261.17500	1027.20000	1.54851	110.90000	.00000	.31100	-.04000
1.550	1.884	-.00013	438.72100	1.99977	260.95900	1030.00000	1.54931	111.00000	.00000	2.13200	-.04000
1.552	3.974	-.00644	438.16300	1.99779	259.86700	1029.10001	1.55006	110.80000	.00000	4.18100	-.05000
1.552	6.019	-.00506	437.80700	1.99622	259.77300	1028.20000	1.54994	110.80000	.00000	6.18600	-.04000
1.548	8.028	-.00225	437.48400	1.99441	260.77900	1026.80000	1.54876	111.00000	.00000	8.15500	-.04000
	GRADIENT	-.00213	.06896	.00026	.02460	.17092	.00002	.00986	.00000	.98070	.00050

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (B4R005) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 212/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.400	-7.999	-.00290	.98444	.59083	.94239	.64085	.62416	-.35157	.01669	-.32126	.00832
.402	-6.060	-.00224	1.01262	.64002	.91085	.69472	.68277	-.27083	.01195	-.24285	.00419
.402	-4.076	-.00165	1.02947	.69020	.87841	.73273	.72692	-.18820	.00582	-.16005	.00101
.401	-2.014	-.00101	1.03663	.74025	.84469	.76128	.75886	-.10444	.00242	-.07417	.00018
.398	-.015	-.00054	1.03493	.77909	.80059	.76523	.76581	-.02150	-.00058	.00556	-.00130
.399	1.946	.00016	1.02973	.81551	.75715	.75275	.75593	.05836	-.00318	.07960	-.00320
.400	3.970	.00075	1.02260	.85508	.70392	.72648	.73039	.15115	-.00391	.16747	-.00691
.400	5.949	.00151	1.00511	.88996	.66233	.68354	.69190	.22764	-.00837	.25032	-.00911
.400	7.977	.00211	.97465	.92386	.61148	.62469	.63505	.31238	-.01036	.33221	-.01155
	GRADIENT	.00030	-.00102	.02021	-.02176	-.00102	.00023	.04197	-.00125	.04034	-.00096

RUN NO. 225/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.600	-7.984	.00666	1.04653	.64223	.97704	.70302	.69039	-.33481	.01263	-.32404	.00579
.600	-4.034	.00354	1.08548	.74186	.91300	.79318	.78930	-.17114	.00389	-.16123	-.00230
.601	-.051	.00134	1.08660	.82723	.83444	.81823	.82348	-.00722	-.00525	.00135	-.01154
.600	4.016	.00104	1.07994	.90624	.74541	.77613	.79292	.16083	-.01678	.16899	-.02325
.600	8.028	.00004	1.03446	.97244	.64705	.67203	.69656	.32538	-.02453	.33396	-.03111
	GRADIENT	-.00031	-.00069	.02042	-.02082	-.00215	.00042	.04124	-.00257	.04102	-.00260

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (B4R005) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 226/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.800	-7.973	.00538	1.12816	.72916	1.04637	.79133	.77781	-.31721	.01352	-.30633	.00477
.800	-5.934	.00437	1.15230	.77773	1.01710	.83896	.83136	-.23933	.00761	-.22887	-.00032
.800	-3.990	.00332	1.16092	.82138	.98363	.86997	.86630	-.16225	.00367	-.15190	-.00270
.800	-1.965	.00241	1.16387	.86607	.94776	.89054	.88964	-.08169	.00090	-.07160	-.00569
.799	.052	.00161	1.16655	.90693	.91225	.89695	.90005	-.00532	-.00310	.00377	-.00987
.800	2.039	.00089	1.16209	.94151	.86972	.88285	.89047	.07179	-.00762	.08088	-.01454
.800	4.026	.00030	1.15589	.97605	.82625	.85710	.86959	.14981	-.01249	.15867	-.01965
.800	5.998	-.00027	1.14328	1.01037	.78243	.81914	.83568	.22793	-.01654	.23668	-.02319
.800	8.045	-.00037	1.11747	1.04150	.73479	.76573	.78567	.30671	-.01994	.31583	-.02640
	GRADIENT	-.00038	-.00059	.01921	-.01960	-.00165	.00039	.03881	-.00204	.03861	-.00213

RUN NO. 228/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.899	-7.911	.00957	1.18289	.79443	1.09638	.85223	.84754	-.30195	.00469	-.29275	.00015
.899	-6.114	.00379	1.20145	.83527	1.06892	.89206	.89112	-.23366	.00095	-.22443	-.00180
.898	-3.983	.00319	1.20895	.87917	1.03335	.92345	.92612	-.15418	-.00267	-.14514	-.00528
.900	-2.002	.00137	1.21017	.91942	.99834	.94154	.94583	-.07892	-.00429	-.06974	-.00709
.899	.024	-.00027	1.21126	.95790	.96299	.94670	.95436	-.00510	-.00765	.00248	-.01009
.899	2.020	-.00139	1.21223	.99554	.92591	.93844	.94971	.06963	-.01127	.07673	-.01434
.900	3.952	-.00287	1.20583	1.02810	.88413	.91371	.92946	.14397	-.01575	.15088	-.01846
.900	6.015	-.00460	1.19401	1.06056	.84146	.87816	.89627	.21909	-.01811	.22620	-.02054
.900	8.010	-.00422	1.16949	1.09069	.79612	.82857	.84860	.29457	-.02002	.30127	-.02272
	GRADIENT	-.00075	-.00020	.01880	-.01864	-.00111	.00055	.03744	-.00166	.03712	-.00169

RUN NO. 230/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.101	-7.903	.00283	1.30448	.94729	1.22048	1.00067	.99865	-.27319	.00202	-.26467	.00062
1.102	-6.098	.00243	1.32202	.98483	1.19730	1.03597	1.03791	-.21247	-.00193	-.20441	-.00185
1.102	-3.994	.00179	1.32809	1.02370	1.16366	1.06408	1.06745	-.13996	-.00337	-.13191	-.00365
1.099	-1.974	.00081	1.33069	1.06156	1.13156	1.08090	1.08606	-.07000	-.00516	-.06228	-.00541
1.100	-.111	-.00015	1.32992	1.09209	1.10140	1.08424	1.09260	-.00931	-.00835	-.00144	-.00867
1.100	2.030	-.00090	1.32951	1.12695	1.06515	1.07552	1.08748	.06180	-.01195	.06828	-.01216
1.098	3.916	-.00155	1.32240	1.15439	1.02616	1.05291	1.06855	.12824	-.01564	.13456	-.01587
1.098	6.009	-.00248	1.31336	1.18743	.98809	1.02238	1.04056	.19934	-.01817	.20605	-.01817
1.098	8.015	-.00287	1.29345	1.21533	.94893	.98091	.99966	.26640	-.01875	.27243	-.01854
	GRADIENT	-.00042	-.00063	.01649	-.01722	-.00140	.00018	.03371	-.00158	.03347	-.00157

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (B4R005) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 518/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.250	-6.007	.00526	1.41334	1.05810	1.26740	1.10922	1.11938	-.20929	-.01015	-.20931	-.01034
1.250	-4.047	.00484	1.42176	1.09770	1.23906	1.13619	1.15044	-.14136	-.01425	-.14202	-.01466
1.250	-2.034	.00350	1.42126	1.13474	1.20393	1.15172	1.16839	-.06919	-.01666	-.06980	-.01696
1.250	-.026	.00261	1.41998	1.16927	1.16912	1.15578	1.17427	.00016	-.01849	-.00093	-.01879
1.250	1.971	.00174	1.42259	1.20471	1.13611	1.14846	1.17186	.06859	-.02340	.06688	-.02377
1.250	4.002	.00084	1.42027	1.23955	1.09694	1.12810	1.15453	.14261	-.02643	.14130	-.02675
	6.017	.00012	1.40596	1.26781	1.05635	1.09567	1.12428	.21146	-.02861	.20983	-.02959
	GRADIENT	-.00049	-.00008	.01759	-.01751	-.00097	.00058	.03511	-.00155	.03499	-.00154

RUN NO. 232/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.398	-7.910	.00667	1.46684	1.03090	1.33701	1.09865	1.09929	-.30612	-.00064	-.29982	-.00022
1.398	-6.081	.00662	1.47830	1.06782	1.30369	1.13038	1.13324	-.23587	-.00286	-.23032	-.00199
1.399	-3.969	.00556	1.48829	1.11021	1.26798	1.15761	1.16369	-.15777	-.00605	-.15174	-.00465
1.401	-2.005	.00493	1.48553	1.14698	1.22764	1.16974	1.17862	-.08066	-.00888	-.07503	-.00753
1.399	-.114	.00191	1.48707	1.18349	1.19327	1.17454	1.18563	-.00978	-.01109	-.00381	-.00986
1.400	2.029	.00060	1.48342	1.21921	1.15110	1.16426	1.17877	.06811	-.01451	.07245	-.01349
1.400	3.949	-.00094	1.48381	1.25603	1.11168	1.14598	1.16368	.14434	-.01771	.14881	-.01708
1.399	5.992	-.00109	1.47799	1.29490	1.07222	1.11958	1.13714	.22268	-.01756	.22750	-.01667
1.402	7.998	.00008	1.46239	1.33224	1.02910	1.07891	1.09856	.30314	-.01965	.30755	-.01812
	GRADIENT	-.00087	-.00056	.01831	-.01959	-.00148	-.00002	.03789	-.00146	.03767	-.00155

RUN NO. 234/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.450	-7.885	-.00344	1.48676	1.00828	1.33337	1.08728	1.08006	-.32509	.00722	-.31991	.00774
1.451	-5.964	-.00248	1.50229	1.04486	1.29523	1.11764	1.11293	-.25037	.00471	-.24573	.00467
1.451	-3.972	-.00459	1.50108	1.08298	1.24978	1.13833	1.13640	-.16681	.00193	-.16269	.00252
1.451	-1.953	-.00167	1.49165	1.11519	1.20133	1.14511	1.14439	-.08614	.00072	-.08200	.00094
1.450	.036	.00006	1.49644	1.15457	1.16334	1.14862	1.15181	-.00876	-.00320	-.00463	-.00150
1.449	2.009	-.00047	1.50103	1.19849	1.12638	1.14512	1.15139	.07212	-.00627	.07526	-.00465
1.450	3.988	.00167	1.49806	1.24444	1.08755	1.13083	1.13940	.15689	-.00858	.15974	-.00705
1.450	6.028	.00401	1.49166	1.28940	1.05053	1.10647	1.11817	.23887	-.01170	.24244	-.00995
1.451	8.021	.00496	1.47310	1.32427	1.00715	1.06773	1.07932	.31712	-.01159	.31988	-.00984
	GRADIENT	.00069	.00016	.02043	-.02009	-.00075	.00066	.04052	-.00141	.04034	-.00124

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (B4R005) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 236/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.501	-7.897	.00002	1.50482	.96123	1.30588	1.04545	1.04792	-.34466	-.00247	-.34103	.00004
1.501	-6.097	.00078	1.51163	.98103	1.25397	1.05847	1.06467	-.27208	-.00620	-.26875	-.00309
1.500	-3.988	.00224	1.51990	.99886	1.19020	1.05880	1.06791	-.19135	-.00911	-.18775	-.00573
1.500	-2.112	.00104	1.52184	.99282	1.10501	1.02719	1.03836	-.11219	-.01117	-.10927	-.00770
1.499	-.020	.00005	1.51846	1.03646	1.04293	1.02373	1.03572	-.00647	-.01199	-.00282	-.00842
1.499	2.016	-.00117	1.51920	1.10213	1.01031	1.03240	1.04843	.09183	-.01602	.09400	-.01243
1.498	3.934	-.00006	1.51867	1.17667	1.00590	1.05402	1.06963	.17077	-.01561	.17294	-.01207
1.501	6.003	-.00133	1.51373	1.24351	.98717	1.04888	1.06878	.25634	-.01990	.25862	-.01642
1.501	8.010	.00081	1.50115	1.30090	.95726	1.02473	1.04751	.34363	-.02278	.34565	-.01898
	GRADIENT	-.00034	-.00026	.02332	-.02319	-.00020	.00070	.04651	-.00090	.04633	-.00087

RUN NO. 238/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.549	-7.918	.00800	1.53861	.61080	1.01288	.72681	.76220	-.40207	-.03536	-.39978	-.03117
1.552	-6.084	.00890	1.54465	.67016	.95437	.73933	.77995	-.28422	-.04062	-.28220	-.03620
1.550	-3.998	.01129	1.54847	.78943	.95438	.82387	.86053	-.16495	-.03666	-.16314	-.03216
1.552	-2.069	.00670	1.55105	.93638	1.00951	.94280	.97476	-.07313	-.03196	-.07101	-.02720
1.547	.027	.00337	1.55129	1.01323	1.02141	.99110	1.02409	-.00818	-.03298	-.00590	-.02826
1.550	1.884	-.00013	1.54799	.99322	.93299	.92753	.97302	.06023	-.04549	.06074	-.04080
1.552	3.974	-.00644	1.54373	.92673	.76115	.78232	.84615	.16559	-.06383	.16636	-.05913
1.552	6.019	-.00506	1.54636	.96148	.67426	.73948	.80747	.28722	-.06799	.28763	-.06343
1.548	8.028	-.00225	1.54195	1.07388	.66059	.76322	.82748	.41329	-.06426	.41417	-.06006
	GRADIENT	-.00213	-.00063	.01660	-.02333	-.00502	-.00160	.03993	-.00341	.03975	-.00340

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (C4R005) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 212/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.400	-7.999	-.00290	.75145	.63669	.69407	.04011	-.00218
.402	-6.060	-.00224	.76144	.69263	.72703	.04111	-.00203
.402	-4.076	-.00165	.77023	.73223	.75123	.04196	-.00090
.401	-2.014	-.00101	.77734	.76119	.76926	.04122	-.00044
.398	-.015	-.00054	.77631	.76588	.77109	.03780	-.00080
.399	1.946	.00016	.77571	.75435	.76503	.04046	-.00150
.400	3.970	.00075	.77134	.72994	.75064	.04366	-.00157
.400	5.949	.00151	.76480	.68809	.72645	.04072	-.00102
.400	7.977	.00211	.75775	.63046	.69411	.04019	-.00130
	GRADIENT	.00030	.00004	-.00054	-.00025	.00013	-.00012

RUN NO. 225/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.600	-7.984	.00666	.80425	.70013	.75219	.04135	-.00203
.600	-4.034	.00354	.82247	.79433	.80840	.04094	-.00208
.601	-.051	.00134	.82655	.82400	.82528	.04098	-.00275
.600	4.016	.00104	.82174	.78776	.80475	.04124	-.00252
.600	8.028	.00004	.80546	.68758	.74652	.04105	-.00168
	GRADIENT	-.00185	.07781	.07136	.07459	.00004	.00003

RUN NO. 226/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.800	-7.973	.00538	.88232	.78894	.83563	.03760	-.00285
.800	-5.934	.00437	.89221	.83912	.86567	.03875	-.00178
.800	-3.990	.00332	.89733	.87132	.88432	.04018	-.00112
.800	-1.965	.00241	.90187	.89339	.89763	.03828	-.00183
.799	.052	.00161	.90505	.90189	.90347	.03777	-.00221
.800	2.039	.00089	.90107	.89012	.89560	.03916	-.00258
.800	4.026	.00030	.89672	.86693	.88182	.03943	-.00224
.800	5.998	-.00027	.89203	.83074	.86138	.03922	-.00157
.800	8.045	-.00037	.88358	.77893	.83125	.03839	-.00157
	GRADIENT	-.00038	-.00010	-.00058	-.00034	-.00003	-.00015

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (C4R005) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 228/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.899	-7.911	.00957	.94081	.85215	.89648	.03833	-.00089
.899	-6.114	.00379	.94748	.89296	.92022	.03741	-.00147
.898	-3.983	.00319	.95174	.92609	.93891	.03792	-.00128
.900	-2.002	.00137	.95429	.94509	.94969	.03685	-.00100
.899	.024	-.00027	.95666	.95175	.95420	.03584	-.00187
.899	2.020	-.00139	.95718	.94561	.95140	.03838	-.00234
.900	3.952	-.00287	.95266	.92294	.93780	.03742	-.00156
.900	6.015	-.00460	.94746	.88843	.91794	.03674	-.00089
.900	8.010	-.00422	.94005	.83993	.88999	.03805	-.00120
	GRADIENT	-.00075	.00024	-.00027	-.00001	.00003	-.00010

RUN NO. 230/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.101	-7.903	.00283	1.07963	1.00036	1.03999	.03316	-.00148
1.102	-6.098	.00243	1.08703	1.03689	1.06196	.03385	-.00115
1.102	-3.994	.00179	1.08966	1.06591	1.07778	.03482	-.00066
1.099	-1.974	.00081	1.09270	1.08361	1.08815	.03362	-.00138
1.100	-.111	-.00015	1.09281	1.08858	1.09069	.03202	-.00174
1.100	2.030	-.00090	1.09281	1.08160	1.08721	.03406	-.00185
1.098	3.916	-.00155	1.08711	1.06085	1.07398	.03513	-.00172
1.098	6.009	-.00248	1.08440	1.03147	1.05793	.03342	-.00052
1.098	8.015	-.00287	1.07911	.99018	1.03465	.03294	-.00001
	GRADIENT	-.00042	-.00025	-.00061	-.00043	.00006	-.00013

RUN NO. 518/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.250	-6.007	.00526	1.16275	1.11439	1.13857	.03384	-.00244
1.250	-4.047	.00484	1.16871	1.14352	1.15611	.03533	-.00174
1.250	-2.034	.00350	1.16964	1.16020	1.16492	.03544	-.00064
1.250	-.026	.00261	1.16974	1.16518	1.16746	.03343	-.00185
1.250	1.971	.00174	1.17127	1.16035	1.16581	.03563	-.00221
1.250	4.002	.00084	1.16890	1.14148	1.15519	.03578	-.00123
1.250	6.017	.00012	1.16290	1.11047	1.13668	.03313	-.00150
	GRADIENT	-.00049	.00010	-.00020	-.00005	.00005	-.00003

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (C4R005) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 232/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.398	-7.910	.00667	1.18081	1.09876	1.13979	.03832	-.00092
1.398	-6.081	.00662	1.18298	1.13138	1.15718	.03732	-.00107
1.399	-3.969	.00556	1.18608	1.15996	1.17302	.03815	-.00145
1.401	-2.005	.00493	1.18450	1.17350	1.17900	.03904	-.00133
1.399	-.114	.00191	1.18540	1.17947	1.18243	.03580	-.00131
1.400	2.029	.00060	1.18298	1.17101	1.17700	.03780	-.00217
1.400	3.949	-.00094	1.18162	1.15452	1.16807	.03960	-.00076
1.399	5.992	-.00109	1.18115	1.12791	1.15453	.03880	.00007
1.402	7.998	.00008	1.17847	1.08797	1.13322	.04046	-.00112
	GRADIENT	-.00087	-.00053	-.00070	-.00061	.00009	.00003

RUN NO. 234/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.450	-7.885	-.00344	1.16824	1.08341	1.12582	.03772	-.00171
1.451	-5.964	-.00248	1.16773	1.11530	1.14152	.04042	-.00138
1.451	-3.972	-.00459	1.16433	1.13707	1.15070	.04140	-.00082
1.451	-1.953	-.00167	1.15619	1.14464	1.15041	.03899	-.00092
1.450	.036	.00006	1.15688	1.14937	1.15313	.03928	-.00155
1.449	2.009	-.00047	1.16086	1.14744	1.15415	.04205	-.00136
1.450	3.988	.00167	1.16457	1.13435	1.14946	.04208	-.00144
1.450	6.028	.00401	1.16818	1.11144	1.13981	.03937	-.00078
1.451	8.021	.00496	1.16433	1.07265	1.11849	.03861	.00047
	GRADIENT	.00069	.00025	-.00012	.00006	.00022	-.00008

RUN NO. 236/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.501	-7.897	.00002	1.13174	1.04543	1.08859	.04065	-.00187
1.501	-6.097	.00078	1.11626	1.06002	1.08814	.03913	-.00148
1.500	-3.988	.00224	1.09273	1.06166	1.07720	.03872	-.00126
1.500	-2.112	.00104	1.04746	1.03104	1.03925	.04686	-.00040
1.499	-.020	.00005	1.03787	1.02794	1.03290	.05120	-.00146
1.499	2.016	-.00117	1.05513	1.03862	1.04687	.04359	-.00076
1.498	3.934	-.00006	1.09020	1.06005	1.07513	.04037	-.00066
1.501	6.003	-.00133	1.11420	1.05709	1.08565	.04255	-.00215
1.501	8.010	.00081	1.12808	1.03422	1.08115	.04375	-.00083
	GRADIENT	-.00034	.00015	.00024	.00020	-.00001	.00004

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (C4R005) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 238/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.549	-7.918	.00800	.81069	.74242	.77656	.06553	-.00385
1.552	-6.084	.00890	.81126	.75743	.78434	.06124	-.00052
1.550	-3.998	.01129	.87100	.83995	.85547	.05364	.00307
1.552	-2.069	.00670	.97189	.95640	.96414	.03848	.00173
1.547	.027	.00337	1.01618	1.00523	1.01071	.02998	-.00370
1.550	1.884	-.00013	.96285	.94793	.95539	.04302	-.00917
1.552	3.974	-.00644	.84355	.81189	.82772	.05620	-.00600
1.552	6.019	-.00506	.81767	.77120	.79443	.06176	.00064
1.548	8.028	-.00225	.86679	.79325	.83002	.06360	.00219
	GRADIENT	-.00213	-.00327	-.00332	-.00329	.00048	-.00145

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R006) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.484 BETA = .000
PHI = .000

RUN NO. 215/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.601	-7.987	.00356	321.40200	2.48282	1271.53000	1623.00000	1.09355	110.50000	.00000	-7.61800	.00000
.600	-6.167	.00269	320.39000	2.47994	1272.25000	1622.50000	1.09320	110.30000	.00000	-5.81800	.00000
.599	-4.061	.00219	320.23500	2.47980	1272.95000	1623.00000	1.09310	110.30000	.00000	-3.73700	.00000
.601	-2.017	.00159	321.35100	2.48547	1273.02000	1624.39999	1.09345	110.20000	.00000	-1.71700	.00000
.601	-.019	.00080	321.44100	2.48604	1273.22000	1624.70000	1.09345	110.20000	.00000	.25800	.00000
.601	1.974	.00009	321.87600	2.48824	1273.50999	1625.50000	1.09356	110.20000	.00000	2.22700	.00000
.600	3.851	-.00028	320.68700	2.48320	1273.94000	1624.50000	1.09315	110.20000	.00000	4.08400	.00000
.599	5.942	-.00034	320.44400	2.48314	1274.53999	1624.80000	1.09305	110.10000	.00000	6.15200	.00000
.600	7.967	.00012	321.03700	2.48613	1274.23000	1625.20000	1.09324	110.00000	.00000	8.15500	.00000
	GRADIENT	-.00032	.07501	.00050	.12412	.20985	.00001	-.01020	.00000	.98841	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (B4R006) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.484 BETA = .000
PHI = .000

RUN NO. 215/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.601	-7.987	.00356	1.04667	.63828	.97682	.69898	.69989	-.33854	-.00091	-.32612	-.00905
.600	-6.167	.00269	1.07544	.68851	.95300	.75118	.75660	-.26449	-.00543	-.25214	-.01312
.599	-4.061	.00219	1.08510	.73831	.91408	.79083	.79691	-.17577	-.00608	-.16334	-.01477
.601	-2.017	.00159	1.08597	.78367	.87436	.81223	.82052	-.09070	-.00829	-.07914	-.01656
.601	-.019	.00080	1.08772	.82631	.83562	.81943	.82900	-.00931	-.00957	.00141	-.01831
.601	1.974	.00009	1.08455	.86424	.79280	.80570	.81959	.07144	-.01388	.08184	-.02261
.600	3.851	-.00028	1.08141	.90199	.75067	.78053	.79819	.15132	-.01767	.16148	-.02650
.599	5.942	-.00034	1.06504	.93906	.70032	.73542	.75414	.23874	-.01872	.24948	-.02770
.600	7.967	.00012	1.03574	.96888	.64958	.67582	.69651	.31930	-.02069	.32968	-.02940
	GRADIENT	-.00032	-.00044	.02059	-.02060	-.00130	.00015	.04119	-.00145	.04090	-.00149

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (C4R006) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.484 BETA = .000
PHI = .000

RUN NO. 215/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.601	-7.987	.00356	.80135	.70351	.75243	.04021	-.00261
.600	-6.167	.00269	.81458	.75773	.78616	.04151	-.00149
.599	-4.061	.00219	.81998	.79822	.80910	.04198	-.00068
.601	-2.017	.00159	.82324	.82051	.82187	.04063	-.00077
.601	-.019	.00080	.82561	.82858	.82709	.04000	-.00146
.601	1.974	.00009	.82332	.81701	.82016	.04140	-.00249
.600	3.851	-.00028	.82125	.79378	.80751	.04284	-.00127
.599	5.942	-.00034	.81432	.74927	.78180	.04079	-.00049
.600	7.967	.00012	.80404	.69052	.74728	.03899	-.00101
	GRADIENT	-.00032	.00014	-.00056	-.00021	.00012	-.00015

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R007) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 261/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-8.002	.00448	320.44400	2.48203	1274.53999	1624.80000	1.09305	110.30000	.00000	-7.67900	.01000
.599	-5.993	.00346	320.14300	2.48000	1272.64999	1622.60001	1.09311	110.00000	.00000	-5.69200	.01000
.598	-4.009	.00364	318.58400	2.47540	1271.99001	1620.10001	1.09268	109.60000	.00000	-3.73000	.00000
.599	-2.035	.00246	319.66100	2.48475	1274.06000	1623.39999	1.09285	109.10000	.00000	-1.77900	.00000
.600	.017	.00101	321.35200	2.49291	1276.71001	1628.00000	1.09316	109.40000	.00000	.24800	.00000
.599	1.979	.00043	320.26100	2.48357	1274.05000	1624.10001	1.09301	109.80000	.00000	2.18800	.00000
.599	4.001	-.00028	319.45000	2.47688	1272.37000	1621.50000	1.09291	110.10000	.00000	4.18900	.00000
.599	5.986	.00016	319.80500	2.47833	1272.86000	1622.39999	1.09298	110.20000	.00000	6.15400	.01000
.599	8.003	-.00052	320.18000	2.48115	1274.25000	1624.20000	1.09298	110.20000	.00000	8.15000	.01000
	GRADIENT	-.00049	.11707	.00009	.03864	.17668	.00003	.08497	.00000	.98860	.00000

RUN NO. 273/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.799	-7.974	.00621	319.50100	1.98423	715.00300	1088.80000	1.16994	109.50000	.00000	-7.63800	.00000
.800	-5.956	.00520	322.97200	2.00380	721.21600	1099.20000	1.17033	109.60000	.00000	-5.64200	.00000
.799	-4.030	.00430	324.26500	2.01351	726.27900	1105.60001	1.16979	109.70000	.00000	-3.73800	.00000
.799	-1.996	.00338	320.92100	1.99259	717.26800	1092.80000	1.17017	109.40000	.00000	-1.73000	.00000
.799	.029	.00232	322.60800	2.00418	722.62200	1100.00000	1.16977	109.50000	.00000	.27000	.00000
.799	1.994	.00163	320.07600	1.98714	716.98700	1091.39999	1.16976	109.80000	.00000	2.20800	.00000
.799	3.993	.00100	322.67200	2.00260	721.22300	1098.80000	1.17016	109.60000	.00000	4.18300	.00000
.799	5.998	.00021	324.09700	2.01091	724.78600	1104.00000	1.17006	109.80000	.00000	6.16300	.00000
.799	8.011	-.00052	321.81400	1.99869	720.74200	1097.20000	1.16980	109.60000	.00000	8.15200	.00000
	GRADIENT	-.00042	-.20194	-.00136	-.52029	-.75112	.00002	.00977	.00000	.98724	.00000

RUN NO. 264/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-8.020	.00620	349.89500	2.00122	616.83600	1043.30000	1.21941	110.20000	.00000	-7.66600	.00000
.899	-5.966	.00489	349.03200	1.99757	616.35400	1041.80000	1.21893	110.20000	.00000	-5.64000	.00000
.900	-3.978	.00374	348.59900	1.99497	615.46500	1040.39999	1.21898	110.20000	.00000	-3.68000	.00000
.900	-1.996	.00275	348.40300	1.99359	614.87000	1039.60001	1.21908	110.20000	.00000	-1.72600	.00000
.899	.015	.00148	348.45600	1.99514	616.16600	1040.80000	1.21862	110.20000	.00000	.25600	.00000
.900	1.976	.00107	349.30100	1.99851	616.24900	1042.10001	1.21915	110.20000	.00000	2.18800	.00000
.901	4.001	.00027	349.91700	2.00034	616.13600	1042.89999	1.21961	110.30000	.00000	4.18600	.00000
.901	5.984	-.00054	350.11300	2.00172	616.73100	1043.70000	1.21952	110.30000	.00000	6.14100	.00000
.900	7.991	-.00186	350.21100	2.00422	617.02800	1044.10001	1.21947	109.90000	.00000	8.12000	.00000
	GRADIENT	-.00043	.17732	.00079	.13661	.37639	.00007	.01006	.00000	.98573	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R007) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 272/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.103	-7.977	.00716	373.41900	1.90332	438.62400	939.80000	1.33921	110.10000	.00000	-7.59000	.00000
1.101	-5.970	.00613	372.85300	1.90201	439.03000	939.10000	1.33838	110.00000	.00000	-5.61800	.00000
1.101	-4.001	.00480	372.46300	1.89975	439.13500	938.50000	1.33794	110.20000	.00000	-3.68400	.00000
1.101	-2.011	.00338	372.34900	1.89867	438.54000	937.90000	1.33830	110.20000	.00000	-1.73000	.00000
1.102	.024	.00223	372.00000	1.89801	437.94800	936.90000	1.33845	109.90000	.00000	.26800	.00000
1.101	1.970	.00139	371.41600	1.89447	437.95700	935.90000	1.33790	110.20000	.00000	2.17800	.00000
1.098	4.006	.00049	370.66900	1.89310	438.96200	935.30000	1.33645	110.10000	.00000	4.17800	.00000
1.100	5.998	-.00067	372.98400	1.90301	440.32000	940.20000	1.33751	110.20000	.00000	6.13300	.00000
1.099	7.986	-.00187	372.34000	1.90055	440.33000	939.10000	1.33691	110.20000	.00000	8.08300	.00000
	GRADIENT	-.00053	-.22608	-.00087	-.04635	-.41997	-.00017	-.01022	.00000	.98179	.00000

RUN NO. 265/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.252	-8.020	.00704	404.79200	1.95414	368.80600	958.10000	1.42446	109.80000	.00000	-7.62900	.01000
1.253	-5.978	.00646	404.91500	1.95317	368.70600	958.30000	1.42464	110.10000	.00000	-5.62300	.01000
1.252	-3.966	.00572	404.09600	1.95157	368.51600	956.60000	1.42415	109.70000	.00000	-3.64800	.00000
1.249	-2.007	.00466	403.66200	1.94889	369.80700	956.30000	1.42266	110.20000	.00000	-1.72500	.00000
1.251	.000	.00335	404.26400	1.95126	368.91000	957.10000	1.42394	110.00000	.00000	.24500	.00000
1.252	1.978	.00233	404.85800	1.95479	369.20100	958.40000	1.42417	109.80000	.00000	2.18600	.00000
1.249	4.037	.00123	404.81600	1.95574	370.78600	959.00000	1.42273	109.90000	.00000	4.20700	.00000
1.248	6.001	.00026	404.59800	1.95518	371.08500	958.70000	1.42229	109.90000	.00000	6.13500	.00000
1.248	7.990	-.00054	404.85300	1.95527	371.08200	959.20000	1.42250	110.10000	.00000	8.08600	.00000
	GRADIENT	-.00057	.13198	.00071	.19740	.34565	-.00007	-.00018	.00000	.98154	.00000

RUN NO. 271/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.402	-8.004	.00920	430.54800	2.00682	313.09600	998.60000	1.49427	109.70000	.00000	-7.60500	.00000
1.401	-5.974	.00878	430.02200	2.00523	313.20000	997.40000	1.49382	109.60000	.00000	-5.61300	.00000
1.402	-4.000	.00718	429.21300	2.00191	312.02000	995.50000	1.49437	109.40000	.00000	-3.67700	.00000
1.401	-1.984	.00577	429.08100	2.00052	312.12000	995.20000	1.49419	109.60000	.00000	-1.70100	.00000
1.402	.030	.00453	429.08400	2.00037	311.92200	995.20000	1.49437	109.60000	.00000	.27400	.00000
1.401	1.978	.00410	429.33700	2.00320	312.41500	995.80000	1.49409	109.30000	.00000	2.18400	.00000
1.401	3.991	.00278	429.76500	2.00394	312.90500	996.80000	1.49392	109.60000	.00000	4.15800	.00000
1.400	6.016	.00275	429.93200	2.00494	313.29900	997.20000	1.49367	109.60000	.00000	6.14300	.00000
1.397	7.974	.00380	429.77700	2.00519	314.38900	996.90000	1.49255	109.60000	.00000	8.06200	.00000
	GRADIENT	-.00053	.06801	.00034	.10328	.16002	-.00005	.00523	.00000	.98050	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R007) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 268/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.451	-7.970	.00645	433.04000	1.99728	293.96500	1005.20000	1.51393	110.80000	.00000	-7.57100	.00000
1.449	-6.072	.00600	433.15300	1.99911	294.55800	1005.40000	1.51344	110.60000	.00000	-5.70900	.00000
1.449	-4.102	.00409	433.32400	1.99896	294.65500	1005.80000	1.51346	110.80000	.00000	-3.77700	.00000
1.451	-2.086	.00322	433.86000	2.00109	294.55100	1007.10000	1.51390	110.80000	.00000	-1.80100	.00000
1.451	-.021	.00159	433.77100	2.00065	294.45300	1006.90000	1.51394	110.60000	.00000	.22400	.00000
1.449	1.981	.00051	433.92700	2.00172	295.04600	1007.20000	1.51348	110.80000	.00000	2.18700	.00000
1.451	3.993	.00088	433.73000	2.00048	294.45300	1006.80000	1.51391	110.80000	.00000	4.16000	.00000
1.448	5.983	-.00124	433.56700	2.00045	295.34700	1006.30000	1.51296	110.80000	.00000	6.11100	.00000
1.451	7.997	-.00060	433.62600	1.99884	294.05800	1006.60000	1.51422	111.00000	.00000	8.08500	.00000
	GRADIENT	-.00045	.04342	.00018	.00448	.10374	.00002	.00000	.00000	.98054	.00000

RUN NO. 269/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-8.002	.00878	436.43600	2.00048	276.95000	1017.30000	1.53238	110.70000	.00000	-7.60300	.00000
1.500	-5.967	.00661	436.50000	2.00040	277.14800	1017.40000	1.53223	110.80000	.00000	-5.60600	.00000
1.500	-3.997	.00403	436.56500	2.00079	277.34600	1017.50000	1.53208	110.80000	.00000	-3.67400	.00000
1.500	-1.976	.00346	436.43600	1.99907	276.95000	1017.30000	1.53238	111.00000	.00000	-1.69300	.00000
1.499	-.020	.00345	436.00000	1.99837	277.25400	1016.10000	1.53182	110.80000	.00000	.22500	.00000
1.501	2.015	.00225	435.57300	1.99603	276.36400	1015.30000	1.53242	110.80000	.00000	2.22100	.00000
1.498	3.995	.00072	435.46200	1.99460	277.06100	1014.80000	1.53168	111.10000	.00000	4.16200	.00000
1.501	5.985	-.00069	434.99800	1.99285	275.87300	1014.00000	1.53254	110.90000	.00000	6.11300	.00000
1.499	8.005	-.00204	434.84800	1.99452	276.57200	1013.40000	1.53177	110.50000	.00000	8.09300	.00000
	GRADIENT	-.00039	-.15363	-.00077	-.05833	-.37029	-.00004	.02009	.00000	.98058	.00000

RUN NO. 270/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.552	-7.913	.00657	438.23800	1.99904	259.86600	1029.30000	1.55010	110.60000	.00000	-7.51700	.00000
1.550	-5.971	.00624	438.75900	2.00181	260.95900	1030.10001	1.54933	110.60000	.00000	-5.61100	.00000
1.551	-3.966	.00227	437.45100	1.99185	259.67900	1027.30000	1.54983	111.40000	.00000	-3.64600	.00000
1.549	-1.989	.00561	437.91600	1.99864	260.87200	1027.89999	1.54892	110.50000	.00000	-1.70700	.00000
1.548	-.009	.00464	438.86100	2.00542	261.65700	1030.00000	1.54871	110.00000	.00000	.23500	.00000
1.551	2.001	.00320	437.92200	2.00010	259.97100	1028.39999	1.54981	110.10000	.00000	2.20700	.00000
1.552	4.010	.00067	437.10800	1.99722	259.28400	1026.60001	1.55001	109.90000	.00000	4.17700	.00000
1.548	5.982	-.00095	436.95600	1.99665	260.38700	1025.60001	1.54884	110.00000	.00000	6.11100	-.01000
1.547	7.992	-.00053	436.62000	1.99532	260.59200	1024.60001	1.54844	110.00000	.00000	8.08100	-.01000
	GRADIENT	-.00028	-.03493	.00061	-.08597	-.04673	.00006	-.17011	.00000	.98076	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (B4R007) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 261/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-8.002	.00448	1.05683	.64405	.98359	.70549	.69991	-.33954	.00558	-.33364	.00890
.599	-5.993	.00346	1.08502	.69815	.95306	.76095	.76244	-.25491	-.00149	-.24882	.00220
.598	-4.009	.00364	1.10050	.75013	.92192	.80167	.80768	-.17179	-.00601	-.16647	-.00089
.599	-2.035	.00246	1.10078	.79395	.88292	.82212	.83276	-.08896	-.01064	-.08305	-.00562
.600	.017	.00101	1.10002	.83622	.84092	.82559	.84238	-.00470	-.01679	.00041	-.01176
.599	1.979	.00043	1.09934	.87452	.79998	.81324	.83612	.07454	-.02288	.07870	-.01834
.599	4.001	-.00028	1.09194	.91146	.75217	.78262	.81101	.15929	-.02839	.16389	-.02396
.599	5.986	.00016	1.07446	.94425	.70322	.73770	.77140	.24103	-.03371	.24478	-.02913
.599	8.003	-.00052	1.04644	.97606	.65166	.67652	.71637	.32440	-.03985	.32830	-.03499
	GRADIENT	-.00049	-.00093	.02013	-.02109	-.00235	.00050	.04121	-.00285	.04106	-.00294

RUN NO. 273/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.799	-7.974	.00621	1.11874	.73065	1.05362	.79254	.79159	-.32297	.00096	-.31880	.00673
.800	-5.956	.00520	1.13871	.77812	1.02097	.83966	.84346	-.24285	-.00380	-.23877	.00181
.799	-4.030	.00430	1.15206	.82395	.99187	.87444	.88253	-.16791	-.00808	-.16452	-.00162
.799	-1.996	.00338	1.15085	.86462	.95152	.89008	.90259	-.08690	-.01252	-.08326	-.00567
.799	.029	.00232	1.16057	.91285	.92114	.90235	.92136	-.00829	-.01900	-.00499	-.01227
.799	1.994	.00163	1.15282	.94339	.87699	.88612	.91051	.06641	-.02440	.06840	-.01811
.799	3.993	.00100	1.14489	.97791	.83097	.85860	.88931	.14694	-.03071	.14865	-.02305
.799	5.998	.00021	1.13371	1.01320	.78746	.82055	.85705	.22574	-.03650	.22752	-.02847
.799	8.011	-.00052	1.11233	1.04531	.74304	.77022	.81119	.30226	-.04097	.30399	-.03306
	GRADIENT	-.00042	-.00061	.01931	-.01977	-.00175	.00110	.03908	-.00285	.03883	-.00276

RUN NO. 264/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-8.020	.00620	1.19338	.79543	1.10366	.85883	.85428	-.30823	.00455	-.30265	.00657
.899	-5.966	.00489	1.21610	.84271	1.07635	.90484	.90604	-.23364	-.00121	-.22756	.00118
.900	-3.978	.00374	1.22366	.88538	1.04283	.93451	.94071	-.15745	-.00619	-.15158	-.00276
.900	-1.996	.00275	1.22169	.92571	1.00816	.95226	.96164	-.08245	-.00937	-.07695	-.00599
.899	.015	.00148	1.22284	.96530	.97305	.95787	.97177	-.00775	-.01390	-.00255	-.01102
.900	1.976	.00107	1.21492	.99731	.93313	.94493	.96396	.06417	-.01903	.06800	-.01647
.901	4.001	.00027	1.20806	1.03176	.88841	.91820	.94380	.14335	-.02560	.14703	-.02232
.901	5.984	-.00054	1.19712	1.06605	.84808	.88313	.91406	.21798	-.03092	.22108	-.02725
.900	7.991	-.00186	1.17599	1.09556	.80478	.83560	.87004	.29078	-.03444	.29464	-.03137
	GRADIENT	-.00043	-.00190	.01828	-.01926	-.00201	.00042	.03754	-.00243	.03724	-.00249

!A132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (B4R007) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 272/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.103	-7.977	.00716	1.28568	.94129	1.22265	1.00172	1.00186	-.28136	-.00014	-.27850	.00479
1.101	-5.970	.00613	1.31062	.98785	1.20310	1.04556	1.05074	-.21526	-.00518	-.21232	.00053
1.101	-4.001	.00480	1.32090	1.02761	1.17589	1.07473	1.08410	-.14828	-.00937	-.14553	-.00365
1.101	-2.011	.00338	1.31906	1.06154	1.14071	1.08677	1.09920	-.07917	-.01243	-.07639	-.00630
1.102	.024	.00223	1.32151	1.09787	1.10960	1.09314	1.10859	-.01173	-.01545	-.00934	-.01005
1.101	1.970	.00139	1.31711	1.12669	1.07303	1.08113	1.10117	.05367	-.02005	.05510	-.01544
1.098	4.006	.00049	1.31378	1.15881	1.03484	1.05998	1.08556	.12397	-.02558	.12519	-.02043
1.100	5.998	-.00067	1.29609	1.18165	.99173	1.02254	1.05212	.18992	-.02959	.19128	-.02399
1.099	7.986	-.00187	1.28270	1.21485	.95740	.98543	1.01843	.25744	-.03300	.25840	-.02768
	GRADIENT	-.00053	-.00081	.01638	-.01749	-.00176	.00025	.03387	-.00200	.03365	-.00214

RUN NO. 265/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.252	-8.020	.00704	1.38086	1.01190	1.29911	1.07313	1.07708	-.28720	-.00392	-.28344	-.00082
1.253	-5.978	.00646	1.40117	1.05507	1.27388	1.11348	1.12228	-.21881	-.00880	-.21437	-.00571
1.252	-3.966	.00572	1.41037	1.09692	1.24415	1.14159	1.15448	-.14724	-.01290	-.14380	-.00988
1.249	-2.007	.00466	1.41305	1.13475	1.21274	1.15792	1.17346	-.07800	-.01554	-.07444	-.01277
1.251	.000	.00335	1.40935	1.16828	1.17821	1.16024	1.18079	-.00994	-.02054	-.00646	-.01842
1.252	1.978	.00233	1.40411	1.19548	1.13823	1.14576	1.17160	.05725	-.02584	.05939	-.02321
1.249	4.037	.00123	1.40634	1.23440	1.10325	1.12930	1.15885	.13115	-.02953	.13345	-.02738
1.248	6.001	.00026	1.39274	1.26084	1.06354	1.09688	1.13024	.19730	-.03336	.19916	-.03091
1.248	7.990	-.00054	1.37502	1.29118	1.02528	1.05622	1.09307	.26590	-.03685	.26777	-.03406
	GRADIENT	-.00057	-.00085	.01679	-.01783	-.00186	.00032	.03462	-.00218	.03444	-.00227

RUN NO. 271/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.402	-8.004	.00920	1.45265	1.02506	1.34463	1.10033	1.10184	-.31957	-.00150	-.31697	.00217
1.401	-5.974	.00878	1.47115	1.06976	1.31277	1.13950	1.14560	-.24302	-.00610	-.24062	-.00140
1.402	-4.000	.00718	1.47752	1.10807	1.27657	1.16298	1.17291	-.16850	-.00993	-.16618	-.00533
1.401	-1.984	.00577	1.47690	1.14878	1.23728	1.17859	1.19079	-.08849	-.01221	-.08625	-.00782
1.402	.030	.00453	1.47603	1.18533	1.19799	1.17921	1.19697	-.01266	-.01776	-.01054	-.01348
1.401	1.978	.00410	1.47367	1.21928	1.16058	1.17049	1.19287	.05870	-.02238	.05995	-.01794
1.401	3.991	.00278	1.47480	1.25712	1.11939	1.15053	1.17827	.13772	-.02774	.13888	-.02374
1.400	6.016	.00275	1.46759	1.29417	1.07767	1.12156	1.15160	.21651	-.03004	.21736	-.02615
1.397	7.974	.00380	1.45506	1.33495	1.03929	1.08541	1.11663	.29566	-.03123	.29650	-.02731
	GRADIENT	-.00053	-.00043	.01848	-.01961	-.00164	.00065	.03809	-.00229	.03793	-.00235

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (B4R007) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 268/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.451	-7.970	.00645	1.47500	1.00788	1.34509	1.09739	1.08516	-.33721	.01223	-.33383	.01468
1.449	-6.072	.00600	1.49145	1.04302	1.30773	1.12754	1.11918	-.26471	.00836	-.26202	.01067
1.449	-4.102	.00409	1.49129	1.08218	1.26269	1.14849	1.14497	-.18051	.00352	-.17766	.00658
1.451	-2.086	.00322	1.48096	1.11242	1.21353	1.15337	1.15224	-.10111	.00113	-.09843	.00351
1.451	-.021	.00159	1.48806	1.15717	1.17660	1.16093	1.16493	-.01943	-.00400	-.01714	-.00041
1.449	1.981	.00051	1.49030	1.19647	1.13360	1.15132	1.16073	.06287	-.00941	.06442	-.00577
1.451	3.993	.00088	1.48862	1.24487	1.09692	1.13821	1.15300	.14795	-.01479	.14909	-.01187
1.448	5.983	-.00124	1.47898	1.28424	1.05346	1.10784	1.12596	.23078	-.01812	.23140	-.01453
1.451	7.997	-.00060	1.46196	1.32501	1.01693	1.07350	1.09534	.30808	-.02184	.30904	-.01837
	GRADIENT	-.00045	.00020	.02021	-.02031	-.00111	.00122	.04052	-.00233	.04030	-.00228

RUN NO. 269/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.500	-8.002	.00878	1.49375	.94642	1.30951	1.04343	1.04122	-.36309	.00224	-.35974	.00521
1.500	-5.967	.00661	1.50262	.98286	1.26221	1.06955	1.07195	-.27935	-.00240	-.27648	.00114
1.500	-3.997	.00403	1.50916	.98376	1.18691	1.05420	1.06193	-.20315	-.00773	-.20047	-.00358
1.500	-1.976	.00346	1.51214	.98758	1.10359	1.02847	1.03996	-.11601	-.01150	-.11325	-.00663
1.499	-.020	.00345	1.50793	.99001	1.00702	.98319	1.00103	-.01700	-.01784	-.01454	-.01292
1.501	2.015	.00225	1.50811	1.10758	1.02774	1.04759	1.06641	.07983	-.01883	.08132	-.01449
1.498	3.995	.00072	1.50850	1.15805	.99076	1.03742	1.06079	.16729	-.02337	.16873	-.01901
1.501	5.985	-.00069	1.50160	1.23763	.98846	1.04811	1.07539	.24917	-.02728	.24995	-.02263
1.499	8.005	-.00204	1.49216	1.30060	.96776	1.03092	1.06269	.33283	-.03177	.33424	-.02743
	GRADIENT	-.00039	-.00027	.02349	-.02341	-.00069	.00124	.04689	-.00193	.04671	-.00194

RUN NO. 270/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.552	-7.913	.00657	1.52609	.61679	1.03906	.74368	.77753	-.42227	-.03385	-.41831	-.02881
1.550	-5.971	.00624	1.53291	.67047	.95999	.74436	.78582	-.28953	-.04146	-.28606	-.03624
1.551	-3.966	.00227	1.53597	.78683	.96302	.83120	.86522	-.17620	-.03402	-.17335	-.02850
1.549	-1.989	.00561	1.53751	.93281	1.01312	.94541	.97923	-.08031	-.03381	-.07759	-.02867
1.548	-.009	.00464	1.54285	.98913	1.01428	.97470	1.01539	-.02514	-.04069	-.02271	-.03592
1.551	2.001	.00320	1.53728	1.00738	.95393	.94914	.99199	.05344	-.04285	.05478	-.03836
1.552	4.010	.00067	1.53315	.92413	.76498	.78626	.85035	.15915	-.06410	.16081	-.05888
1.548	5.982	-.00095	1.53094	.93919	.66685	.72248	.80013	.27234	-.07765	.27361	-.07209
1.547	7.992	-.00053	1.52999	1.01719	.63135	.72303	.80031	.38584	-.07729	.38658	-.07217
	GRADIENT	-.00028	-.00030	.01743	-.02292	-.00442	-.00094	.04034	-.00347	.04015	-.00354

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (C4R007) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 261/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-8.002	.00448	.81087	.70105	.75596	.04249	-.00387
.599	-5.993	.00346	.82255	.75985	.79120	.04168	-.00227
.598	-4.009	.00364	.83337	.80212	.81774	.04195	-.00170
.599	-2.035	.00246	.83548	.82493	.83021	.04182	-.00280
.600	.017	.00101	.83602	.83147	.83374	.03967	-.00328
.599	1.979	.00043	.83517	.82241	.82879	.04117	-.00314
.599	4.001	-.00028	.82952	.79460	.81206	.04168	-.00257
.599	5.986	.00016	.82186	.75227	.78706	.04075	-.00274
.599	8.003	-.00052	.81191	.69401	.75296	.04173	-.00298
	GRADIENT	-.00049	-.00040	-.00088	-.00064	-.00006	-.00010

RUN NO. 273/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.799	-7.974	.00621	.89005	.78918	.83961	.04008	-.00261
.800	-5.956	.00520	.89750	.83875	.86813	.03882	-.00210
.799	-4.030	.00430	.90621	.87525	.89073	.03920	-.00163
.799	-1.996	.00338	.90626	.89291	.89958	.03981	-.00269
.799	.029	.00232	.91534	.90849	.91192	.03737	-.00335
.799	1.994	.00163	.90919	.89517	.90218	.03869	-.00260
.799	3.993	.00100	.90359	.87013	.88686	.04032	-.00259
.799	5.998	.00021	.89944	.83479	.86711	.03849	-.00256
.799	8.011	-.00052	.89331	.78675	.84003	.03774	-.00214
	GRADIENT	-.00042	-.00011	-.00037	-.00024	.00005	-.00009

RUN NO. 264/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-8.020	.00620	.94676	.85555	.90115	.03607	-.00276
.899	-5.966	.00489	.95649	.90425	.93037	.03753	-.00236
.900	-3.978	.00374	.96117	.93589	.94853	.03815	-.00162
.900	-1.996	.00275	.96419	.95526	.95972	.03746	-.00201
.899	.015	.00148	.96657	.96339	.96498	.03597	-.00274
.900	1.976	.00107	.96330	.95316	.95823	.03756	-.00288
.901	4.001	.00027	.95824	.92936	.94380	.03872	-.00276
.901	5.984	-.00054	.95551	.89676	.92613	.03666	-.00222
.900	7.991	-.00186	.94824	.85129	.89976	.03664	-.00197
	GRADIENT	-.00043	-.00034	-.00077	-.00055	.00006	-.00016

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (C4R007) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 272/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.103	-7.977	.00716	1.08054	.99933	1.03993	.03282	-.00206
1.101	-5.970	.00613	1.09401	1.04529	1.06965	.03330	-.00225
1.101	-4.001	.00480	1.10037	1.07656	1.08846	.03467	-.00169
1.101	-2.011	.00338	1.09973	1.08992	1.09483	.03397	-.00135
1.102	.024	.00223	1.10254	1.09816	1.10035	.03255	-.00243
1.101	1.970	.00139	1.09914	1.08885	1.09399	.03403	-.00280
1.098	4.006	.00049	1.09621	1.07019	1.08320	.03388	-.00204
1.100	5.998	-.00067	1.08601	1.03454	1.06027	.03324	-.00175
1.099	7.986	-.00187	1.08565	.99927	1.04246	.03403	-.00191
	GRADIENT	-.00053	-.00044	-.00069	-.00057	-.00008	-.00011

RUN NO. 265/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.252	-8.020	.00704	1.15362	1.07357	1.11359	.03352	-.00241
1.253	-5.978	.00646	1.16226	1.11634	1.13930	.03441	-.00236
1.252	-3.966	.00572	1.16882	1.14653	1.15767	.03554	-.00154
1.249	-2.007	.00466	1.17197	1.16431	1.16814	.03484	-.00211
1.251	.000	.00335	1.17151	1.16945	1.17048	.03293	-.00286
1.252	1.978	.00233	1.16579	1.15737	1.16158	.03496	-.00214
1.249	4.037	.00123	1.16767	1.14299	1.15533	.03492	-.00191
1.248	6.001	.00026	1.16126	1.11233	1.13680	.03347	-.00167
1.248	7.990	-.00054	1.15729	1.07325	1.11527	.03501	-.00154
	GRADIENT	-.00057	-.00042	-.00072	-.00057	-.00006	-.00004

RUN NO. 271/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.402	-8.004	.00920	1.18354	1.09925	1.14140	.03773	-.00161
1.401	-5.974	.00878	1.19007	1.14020	1.16514	.03732	-.00206
1.402	-4.000	.00718	1.19116	1.16565	1.17840	.03889	-.00140
1.401	-1.984	.00577	1.19191	1.18250	1.18720	.03919	-.00202
1.402	.030	.00453	1.19060	1.18595	1.18827	.03610	-.00265
1.401	1.978	.00410	1.18930	1.17946	1.18438	.03769	-.00265
1.401	3.991	.00278	1.18768	1.16240	1.17504	.03922	-.00224
1.400	6.016	.00275	1.18549	1.13463	1.16006	.03935	-.00064
1.397	7.974	.00380	1.18670	1.09907	1.14288	.04094	-.00057
	GRADIENT	-.00053	-.00048	-.00047	-.00047	-.00004	-.00012

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (C4R007) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 268/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.451	-7.970	.00645	1.17479	1.09005	1.13242	.03627	-.00208
1.449	-6.072	.00600	1.17403	1.12221	1.14812	.04094	-.00218
1.449	-4.102	.00409	1.17101	1.14520	1.15811	.04175	-.00177
1.451	-2.086	.00322	1.16163	1.15161	1.15662	.03855	-.00156
1.451	-.021	.00159	1.16574	1.16113	1.16344	.04005	-.00225
1.449	1.981	.00051	1.16426	1.15420	1.15923	.04155	-.00318
1.451	3.993	.00088	1.17032	1.14414	1.15723	.04222	-.00214
1.448	5.983	-.00124	1.16854	1.11611	1.14182	.03991	-.00135
1.451	7.997	-.00060	1.17049	1.08269	1.12659	.03786	-.00219
	GRADIENT	-.00045	.00006	.00003	.00005	.00019	-.00012

RUN NO. 269/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.500	-8.002	.00878	1.12629	1.04085	1.08357	.04173	-.00178
1.500	-5.967	.00661	1.12111	1.06898	1.09504	.03930	-.00244
1.500	-3.997	.00403	1.08400	1.05599	1.06999	.03949	-.00167
1.500	-1.976	.00346	1.04420	1.03178	1.03799	.04793	-.00263
1.499	-.020	.00345	.99728	.98965	.99346	.04986	-.00206
1.501	2.015	.00225	1.06692	1.05484	1.06088	.04543	-.00122
1.498	3.995	.00072	1.07368	1.04693	1.06030	.04218	-.00229
1.501	5.985	-.00069	1.11265	1.05942	1.08604	.04081	-.00192
1.499	8.005	-.00204	1.13348	1.04463	1.08906	.04218	-.00261
	GRADIENT	-.00039	.00013	.00028	.00020	.00014	.00001

RUN NO. 270/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.552	-7.913	.00657	.82595	.75808	.79201	.07110	-.00605
1.550	-5.971	.00624	.81349	.76248	.78799	.06207	.00061
1.551	-3.966	.00227	.87350	.84545	.85947	.05386	.00350
1.549	-1.989	.00561	.97161	.95975	.96568	.03647	-.00332
1.548	-.009	.00464	1.00049	.99266	.99657	.02873	-.00146
1.551	2.001	.00320	.97999	.96832	.97415	.04720	-.00556
1.552	4.010	.00067	.84372	.81569	.82971	.05645	-.01059
1.548	5.982	-.00095	.80238	.75853	.78046	.05699	-.00276
1.547	7.992	-.00053	.82390	.75911	.79150	.05582	.00132
	GRADIENT	-.00028	-.00265	-.00265	-.00265	.00081	-.00153

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R008) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 85/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.401	-7.992	.01402	84.77920	1.00926	753.66000	841.90000	1.04081	77.40000	180.00000	8.25600	179.93000
.401	-6.056	.02182	84.68550	1.00824	753.76200	841.90000	1.04076	77.60000	180.00000	6.32300	179.83000
.401	-4.040	.01606	84.78080	1.00850	753.95900	842.20000	1.04079	77.80000	180.00000	4.31000	179.83000
.399	-2.030	.01032	84.12340	1.00429	754.37300	841.90000	1.04042	77.90000	180.00000	2.30400	179.83000
.399	-.023	.00357	84.12400	1.00364	754.47200	842.00000	1.04044	78.20000	180.00000	.30000	179.83000
.400	1.951	-.00252	84.40680	1.00521	754.46700	842.30000	1.04058	78.30000	180.00000	-1.66800	179.83000
.399	3.940	-.00864	84.21930	1.00389	754.67000	842.30000	1.04047	78.40000	180.00000	-3.64900	179.83000
.400	5.936	-.01483	84.40730	1.00456	754.56600	842.40000	1.04060	78.60000	180.00000	-5.63700	179.83000
.400	7.939	-.02078	84.59630	1.00560	754.66200	842.70000	1.04066	78.70000	180.00000	-7.63300	179.83000
	GRADIENT	-.00312	-.04233	-.00042	.07613	.02995	-.00002	.08028	.00000	-.99751	.00000

RUN NO. 88/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-8.046	.05924	320.47100	2.47903	1272.05000	1622.39993	1.09323	110.50000	180.00000	8.10900	179.76000
.600	-6.055	.03524	320.13300	2.47767	1272.25000	1622.20000	1.09314	110.50000	180.00000	6.12800	179.88000
.601	-4.062	.02771	321.57500	2.48424	1271.62000	1623.30000	1.09362	110.40000	180.00000	4.14500	179.88000
.600	-2.037	.02054	320.79300	2.48031	1271.14000	1621.89999	1.09342	110.40000	180.00000	2.13300	179.88000
.600	-.068	.01289	320.53100	2.47952	1270.95000	1621.39999	1.09331	110.30000	180.00000	.18100	179.88000
.599	1.961	.00208	319.95000	2.47700	1271.75999	1621.50000	1.09308	110.40000	180.00000	-1.81600	179.88000
.600	3.960	-.00445	319.16700	2.47251	1271.28000	1620.10001	1.09291	110.50000	180.00000	-3.77200	179.88000
.600	5.937	-.01035	319.75600	2.47531	1270.77000	1620.30000	1.09308	110.40000	180.00000	-5.70300	179.88000
.600	7.924	-.01562	320.01700	2.47555	1270.96001	1620.80000	1.09319	110.60000	180.00000	-7.64500	179.88000
	GRADIENT	-.00413	-.28247	-.00134	-.00286	-.33929	-.00009	.01003	-.00000	-.98706	.00000

RUN NO. 97/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.799	-7.932	.01767	322.23400	1.99943	720.23400	1097.30000	1.17016	109.70000	180.00000	8.10300	179.87000
.801	-6.039	.01358	323.12900	2.00171	718.91700	1097.30000	1.17100	109.70000	180.00000	6.23300	179.87000
.801	-4.025	.00884	323.19200	2.00131	718.71600	1097.20000	1.17108	109.60000	180.00000	4.24400	179.87000
.802	-2.020	.00403	323.64200	2.00265	718.70600	1097.80000	1.17134	109.60000	180.00000	2.26400	179.87000
.801	-.070	-.00121	324.14200	2.00588	719.49400	1099.20000	1.17142	109.80000	180.00000	.33800	179.87000
.800	1.941	-.00773	324.06700	2.00631	720.69400	1100.20000	1.17107	109.90000	180.00000	-1.64500	179.87000
.800	3.924	-.01365	323.41700	2.00457	721.10700	1099.70000	1.17060	109.80000	180.00000	-3.60100	179.87000
.798	5.955	-.01946	322.91600	2.00252	721.51700	1099.39999	1.17022	109.90000	180.00000	-5.60300	179.87000
.798	7.921	-.02559	322.18900	2.00002	721.93200	1098.80000	1.16971	109.90000	180.00000	-7.54100	179.87000
	GRADIENT	-.00286	.04388	.00051	.34089	.37237	-.00006	.00005	.00000	-.98692	-.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R008) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 99/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.901	-8.053	.02374	349.54400	1.99741	615.14600	1041.50000	1.21974	110.40000	180.00000	8.22000	179.79000
.899	-6.015	.01597	348.62400	1.99475	616.46200	1041.30000	1.21861	110.50000	180.00000	6.21400	179.79000
.899	-4.051	.00263	348.54800	1.99453	615.66500	1040.50000	1.21887	110.30000	180.00000	4.28100	179.89000
.901	-2.074	-.00151	349.50600	1.99775	614.74800	1041.10001	1.21987	110.20000	180.00000	2.33300	179.89000
.901	-.063	-.00563	349.73400	1.99838	614.94200	1041.60001	1.21995	110.30000	180.00000	.35200	179.89000
.897	1.976	-.01092	348.68100	1.99804	618.55700	1043.20000	1.21786	110.30000	180.00000	-1.65600	179.89000
.903	3.907	-.01514	350.41200	2.00007	614.03100	1041.80000	1.22076	110.30000	180.00000	-3.55700	179.89000
.899	5.922	-.02096	348.66100	1.99531	616.86000	1041.70000	1.21849	110.50000	180.00000	-5.54200	179.89000
.900	7.924	-.02586	350.64000	2.00346	618.61600	1046.10001	1.21915	110.80000	180.00000	-7.51300	179.89000
	GRADIENT	-.00225	.14390	.00057	.03146	.23700	.00009	.00505	.00000	-.98495	.00000

RUN NO. 100/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.103	-7.851	.01364	372.50800	1.90040	437.54300	937.50000	1.33921	109.70000	180.00000	7.99700	179.86000
1.100	-6.017	.00703	372.32400	1.90192	439.63400	938.60000	1.33743	109.70000	180.00000	6.21200	179.87000
1.101	-3.975	.00209	372.71500	1.90331	439.52900	939.20000	1.33786	109.70000	180.00000	4.22400	179.87000
1.098	-2.041	-.00266	372.35500	1.90352	441.02500	939.60000	1.33640	109.70000	180.00000	2.33200	179.87000
1.098	-.045	-.00745	372.08100	1.90301	441.12900	939.20000	1.33606	109.60000	180.00000	.37600	179.87000
1.100	1.960	-.01235	372.36200	1.90228	439.83200	938.80000	1.33732	109.70000	180.00000	-1.59000	179.87000
1.102	3.925	-.01822	372.62100	1.90254	438.73500	938.50000	1.33839	109.60000	180.00000	-3.51900	179.87000
1.099	5.952	-.02456	371.58200	1.89961	439.74400	937.40000	1.33667	109.60000	180.00000	-5.50900	179.87000
1.100	7.987	-.03311	373.58600	1.90836	440.70900	941.50000	1.33775	109.60000	180.00000	-7.51000	179.87000
	GRADIENT	-.00254	-.00888	-.00014	-.14170	-.11152	.00010	-.01008	.00000	-.98014	-.00000

RUN NO. 103/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.251	-7.931	.01436	404.20500	1.94725	368.71300	956.90000	1.42406	110.80000	180.00000	8.07100	179.81000
1.251	-6.024	.00736	405.43300	1.95361	370.28500	960.00000	1.42367	110.80000	180.00000	6.21300	179.81000
1.250	-4.053	.00153	405.39700	1.95341	370.68100	960.10000	1.42329	110.90000	180.00000	4.29000	179.81000
1.250	-2.055	-.00529	404.13400	1.94775	369.50600	957.10000	1.42331	110.80000	180.00000	2.33700	179.81000
1.251	-.032	-.01276	403.30600	1.94389	368.42500	955.00000	1.42359	110.70000	180.00000	.35600	179.81000
1.249	1.947	-.02020	403.08200	1.94334	369.21900	954.90000	1.42271	110.80000	180.00000	-1.58300	179.81000
1.248	3.937	-.02871	403.56800	1.94737	370.00600	956.20000	1.42241	110.50000	180.00000	-3.53500	179.81000
1.251	5.924	-.03704	404.61300	1.95087	369.40200	958.00000	1.42378	110.50000	180.00000	-5.48300	179.81000
1.249	7.913	-.04488	404.62000	1.95088	370.29300	958.40000	1.42301	110.70000	180.00000	-7.43300	179.81000
	GRADIENT	-.00377	-.23616	-.00083	-.08270	-.50168	-.00012	-.04004	.00000	-.97940	.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R008) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 109/ 0

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q
1.400	-7.946	-.01060	429.79900
1.400	-6.051	-.01375	429.80500
1.400	-4.073	-.01759	429.79900
1.399	-2.074	-.02052	429.70500
1.401	-.079	-.02633	429.72300
1.401	1.925	-.03178	429.63800
1.400	3.922	-.03590	429.63200
1.397	5.952	-.04232	429.26000
1.402	7.935	-.04598	429.60300
	GRADIENT	-.00239	-.02007

RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
2.00028	313.40000	996.90000	1.49348	110.50000	180.00000	8.09100	179.89000
2.00007	313.10300	996.90000	1.49376	110.50000	180.00000	6.24800	179.89000
2.00028	313.40000	996.90000	1.49348	110.50000	180.00000	4.32000	179.90000
2.00014	313.69700	996.70000	1.49314	110.50000	180.00000	2.36900	179.90000
1.99903	312.80700	996.70000	1.49398	110.60000	180.00000	.41700	179.90000
1.99907	312.70800	996.50000	1.49402	110.50000	180.00000	-1.54500	179.90000
1.99929	313.00500	996.50000	1.49373	110.50000	180.00000	-3.50200	179.90000
1.99951	313.99800	995.70000	1.49256	110.30000	180.00000	-5.49100	179.90000
1.99900	312.21400	996.40000	1.49445	110.40000	180.00000	-7.43400	179.90000
-.00015	-.08899	-.05004	.00007	-.00001	.00000	-.97849	.00000

RUN NO. 110/ 0

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q
1.449	-7.896	-.00239	434.54400
1.452	-6.081	-.00631	431.46700
1.450	-4.042	-.01078	432.66100
1.450	-2.037	-.01659	433.04500
1.450	-.067	-.02248	433.17500
1.449	1.915	-.03232	433.15300
1.449	3.969	-.03766	432.99700
1.450	5.916	-.04360	433.05000
1.449	7.929	-.05047	433.03300
	GRADIENT	-.00348	.03884

RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
2.00898	295.73300	1008.60000	1.51323	109.90000	180.00000	8.04600	179.85000
1.99439	292.49400	1001.60000	1.51432	109.80000	180.00000	6.28200	179.85000
2.00125	293.86900	1004.30000	1.51378	109.60000	180.00000	4.29400	179.85000
2.00205	294.06300	1005.20000	1.51384	109.80000	180.00000	2.33600	179.85000
2.00312	294.16100	1005.50000	1.51383	109.70000	180.00000	.40900	179.85000
2.00238	294.55800	1005.40000	1.51344	109.90000	180.00000	-1.53200	179.85000
2.00188	294.75800	1005.00000	1.51315	109.90000	180.00000	-3.54400	179.85000
2.00120	294.16300	1005.20000	1.51375	110.00000	180.00000	-5.45100	179.85000
2.00196	294.65800	1005.10000	1.51327	109.90000	180.00000	-7.42300	179.86000
.00008	.11383	.07959	-.00008	.03505	-.00000	-.97849	-.00000

RUN NO. 113/ 0

RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q
1.500	-7.961	-.03664	436.17300
1.501	-6.077	-.02072	435.62700
1.501	-4.039	-.02605	435.27400
1.500	-2.042	-.03195	434.91700
1.500	-.043	-.03748	434.76200
1.501	1.932	-.04252	434.82800
1.500	3.961	-.05108	434.90500
1.499	5.903	-.05670	435.05800
1.500	7.949	-.06976	434.96900
	GRADIENT	-.00304	-.04136

RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
2.00178	277.05200	1016.60000	1.53212	110.20000	180.00000	8.11100	179.96000
1.99941	276.16400	1015.50000	1.53264	110.10000	180.00000	6.27500	179.81000
1.99728	275.87000	1014.70000	1.53271	110.20000	180.00000	4.28600	179.81000
1.99597	276.17300	1013.70000	1.53220	110.20000	180.00000	2.33400	179.81000
1.99467	275.87600	1013.40000	1.53239	110.30000	180.00000	.37800	179.81000
1.99395	275.77600	1013.60000	1.53253	110.50000	180.00000	-1.55600	179.81000
1.99492	276.07300	1013.70000	1.53229	110.40000	180.00000	-3.54300	179.81000
1.99593	276.66800	1013.90000	1.53180	110.40000	180.00000	-5.44400	179.81000
1.99625	276.27200	1013.80000	1.53214	110.20000	180.00000	-7.44700	179.81000
-.00034	.00057	-.10506	-.00003	.03497	.00000	-.97861	.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R008) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 114/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-7.914	-.00402	438.51400	2.00025	260.86300	1029.50000	1.54928	110.70000	180.00000	8.06900	179.82000
1.551	-6.045	-.02090	438.62100	2.00050	260.46100	1030.00000	1.54973	110.70000	180.00000	6.24800	179.82000
1.551	-4.092	-.01438	438.09200	1.99899	260.06900	1028.80000	1.54982	110.50000	180.00000	4.34200	179.83000
1.552	-2.063	-.02549	437.29800	1.99531	259.48100	1027.00000	1.54993	110.50000	180.00000	2.35700	179.83000
1.550	-.039	-.03745	437.08000	1.99458	259.88500	1026.20000	1.54940	110.50000	180.00000	.37500	179.83000
1.550	1.940	-.03466	437.19500	1.99376	260.08300	1026.39999	1.54928	110.80000	180.00000	-1.56300	179.83000
1.549	3.937	-.03704	436.97100	1.99281	260.08600	1025.80000	1.54915	110.80000	180.00000	-3.51900	179.83000
1.548	5.940	-.05537	437.25900	1.99439	260.78200	1026.20000	1.54863	110.80000	180.00000	-5.48000	179.83000
1.550	7.919	-.07424	437.47700	1.99454	260.17800	1027.10001	1.54935	110.90000	180.00000	-7.41800	179.83000
	GRADIENT	-.00272	-.11724	-.00069	.03148	-.32981	-.00010	.04475	.00000	-.97908	-.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (B4R008) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 85/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.401	-7.992	.01402	1.00623	.62106	.95182	.66212	.67805	-.33076	-.01593	-.33762	-.01482
.401	-6.056	.02182	1.03535	.67005	.92332	.72320	.73424	-.25327	-.01104	-.26035	-.01029
.401	-4.040	.01606	1.04766	.71968	.88627	.76404	.77657	-.16659	-.01253	-.17383	-.01096
.399	-2.030	.01032	1.05380	.76703	.84862	.78880	.80365	-.08159	-.01485	-.08818	-.01312
.399	-.023	.00357	1.05625	.80891	.80916	.79589	.81424	-.00025	-.01835	-.01279	-.01693
.400	1.951	-.00252	1.05053	.84615	.76572	.78281	.80624	.08043	-.02343	.06854	-.02119
.399	3.940	-.00864	1.04756	.88657	.72155	.75801	.78848	.16502	-.03047	.15186	-.02799
.400	5.936	-.01483	1.03046	.92096	.67435	.71261	.74976	.24661	-.03715	.23404	-.03220
.400	7.939	-.02078	.99884	.95287	.62293	.64929	.69822	.32993	-.04893	.31687	-.04159
	GRADIENT	-.00312	-.00017	.02071	-.02068	-.00089	.00134	.04139	-.00223	.04053	-.00211

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (B4R008) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 88/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.600	-8.046	.05924	1.05171	.64602	.98541	.69706	.70664	-.33939	-.00959	-.33883	-.00854
.600	-6.055	.03524	1.07943	.69857	.95581	.75710	.76541	-.25724	-.00832	-.25596	-.00818
.601	-4.062	.02771	1.08745	.74427	.91837	.79471	.80373	-.17409	-.00902	-.17320	-.00854
.600	-2.037	.02054	1.09418	.79392	.88286	.82222	.83381	-.08894	-.01159	-.08727	-.00984
.600	-.068	.01289	1.09485	.83691	.84219	.82812	.84445	-.00528	-.01632	-.00582	-.01497
.599	1.961	.00208	1.09326	.87576	.79964	.81585	.83812	.07611	-.02228	.07615	-.02137
.600	3.960	-.00445	1.08935	.91465	.75496	.78893	.81746	.15969	-.02853	.15953	-.02737
.600	5.937	-.01035	1.07158	.94694	.70617	.74329	.78019	.24077	-.03690	.24065	-.03649
.600	7.924	-.01562	1.04388	.97979	.65493	.68117	.73005	.32486	-.04887	.32474	-.04761
	GRADIENT	-.00413	.00014	.02108	-.02046	-.00090	.00158	.04154	-.00248	.04136	-.00245

RUN NO. 97/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.799	-7.932	.01767	1.13668	.73706	1.05459	.79103	.79876	-.31753	-.00768	-.31558	-.00514
.801	-6.039	.01358	1.15723	.78197	1.02640	.83919	.84623	-.24443	-.00704	-.24213	-.00432
.801	-4.025	.00884	1.16756	.82742	.99326	.87554	.88337	-.16584	-.00783	-.16382	-.00476
.802	-2.020	.00403	1.17065	.87234	.95574	.89798	.90739	-.08339	-.00941	-.08140	-.00685
.802	-.070	-.00121	1.17102	.91069	.92044	.90411	.91790	-.00975	-.01378	-.00877	-.00964
.801	1.941	-.00773	1.16934	.94830	.87972	.89494	.91267	.06858	-.01774	.06953	-.01353
.800	3.924	-.01365	1.16346	.98390	.83612	.86886	.89497	.14778	-.02611	.14826	-.02141
.800	5.955	-.01946	1.14978	1.01871	.78993	.82905	.86258	.22878	-.03353	.23001	-.02919
.798	7.921	-.02559	1.12469	1.04829	.74274	.77576	.81614	.30555	-.04038	.30602	-.03612
	GRADIENT	-.00286	-.00048	.01958	-.01966	-.00083	.00143	.03924	-.00226	.03903	-.00201

RUN NO. 99/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.901	-8.053	.02374	1.18736	.79698	1.10378	.85011	.85763	-.30680	-.00752	-.30355	-.00392
.899	-6.015	.01597	1.20693	.84089	1.07413	.89653	.90268	-.23324	-.00615	-.23010	-.00315
.899	-4.051	.00263	1.21479	.88248	1.04135	.92868	.93666	-.15887	-.00799	-.15563	-.00395
.901	-2.074	-.00151	1.21892	.92431	1.00806	.94970	.96016	-.08375	-.01045	-.08077	-.00640
.901	-.063	-.00563	1.21976	.96338	.97247	.95721	.97016	-.00909	-.01294	-.00715	-.00802
.897	1.976	-.01092	1.21091	.99318	.92667	.94132	.95961	.06651	-.01829	.06815	-.01310
.903	3.907	-.01514	1.21221	1.03277	.89322	.92594	.94819	.13954	-.02225	.14182	-.01689
.899	5.922	-.02096	1.19884	1.06361	.84864	.88818	.91815	.21497	-.02997	.21672	-.02544
.900	7.924	-.02586	1.16825	1.08755	.79657	.83089	.87024	.29098	-.03935	.29223	-.03447
	GRADIENT	-.00225	-.00066	.01850	-.01892	-.00069	.00113	.03742	-.00182	.03725	-.00163

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (B4R008) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 100/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.103	-7.851	.01364	1.31160	.95464	1.22570	1.00233	1.01169	-.27106	-.00936	-.26698	-.00483
1.100	-6.017	.00703	1.32245	.98647	1.19764	1.03598	1.04338	-.21117	-.00740	-.20737	-.00306
1.101	-3.975	.00209	1.33039	1.02625	1.16774	1.06712	1.07368	-.14149	-.00656	-.13797	-.00226
1.098	-2.041	-.00266	1.33491	1.06399	1.13884	1.08583	1.09518	-.07485	-.00935	-.07153	-.00486
1.098	-.045	-.00745	1.33554	1.09899	1.10691	1.09126	1.10396	-.00792	-.01270	-.00616	-.00744
1.100	1.960	-.01235	1.33384	1.13051	1.07273	1.08402	1.09987	.05778	-.01585	.06015	-.01032
1.102	3.925	-.01822	1.32681	1.16022	1.03295	1.06164	1.08241	.12727	-.02077	.12935	-.01522
1.099	5.952	-.02456	1.31707	1.18920	.99413	1.02961	1.05518	.19507	-.02557	.19793	-.02012
1.100	7.987	-.03311	1.29490	1.21605	.95211	.98259	1.01992	.26394	-.03733	.26644	-.03129
	GRADIENT	-.00254	-.00042	.01689	-.01695	-.00066	.00111	.03384	-.00176	.03365	-.00158

RUN NO. 103/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.251	-7.931	.01436	1.39387	1.01602	1.29682	1.07121	1.07504	-.28080	-.00383	-.27751	.00090
1.251	-6.024	.00736	1.40934	1.05448	1.27102	1.10982	1.11241	-.21653	-.00259	-.21324	.00298
1.250	-4.053	.00153	1.41975	1.09489	1.24280	1.14096	1.14323	-.14791	-.00226	-.14421	.00302
1.250	-2.055	-.00529	1.41944	1.13071	1.20762	1.15627	1.16077	-.07691	-.00450	-.07324	.00055
1.251	-.032	-.01276	1.41698	1.16395	1.17265	1.15982	1.16771	-.00871	-.00789	-.00611	-.00257
1.249	1.947	-.02020	1.41779	1.19797	1.14039	1.15395	1.16561	.05758	-.01166	.06081	-.00646
1.248	3.937	-.02871	1.41298	1.23014	1.10185	1.13405	1.15065	.12830	-.01660	.13151	-.01000
1.251	5.924	-.03704	1.40248	1.26100	1.06275	1.10288	1.12633	.19825	-.02345	.20142	-.01701
1.249	7.913	-.04488	1.38095	1.28771	1.02165	1.05939	1.09052	.26606	-.03113	.26899	-.02461
	GRADIENT	-.00377	-.00076	.01690	-.01747	-.00080	.00099	.03438	-.00179	.03431	-.00165

RUN NO. 109/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.400	-7.946	-.01060	1.47944	1.03102	1.34251	1.09186	1.10826	-.31149	-.01641	-.30601	-.00739
1.400	-6.051	-.01375	1.49027	1.07087	1.30679	1.13010	1.14219	-.23592	-.01209	-.23040	-.00411
1.400	-4.073	-.01759	1.49148	1.11104	1.26852	1.15652	1.16904	-.15748	-.01251	-.15183	-.00433
1.399	-2.074	-.02052	1.48858	1.15071	1.23103	1.17266	1.18661	-.08033	-.01394	-.07470	-.00583
1.401	-.079	-.02633	1.49055	1.18835	1.19609	1.17795	1.19519	-.00774	-.01724	-.00326	-.00517
1.401	1.925	-.03178	1.49113	1.22730	1.15936	1.17187	1.19413	.06793	-.02226	.07224	-.01318
1.400	3.922	-.03590	1.48999	1.26703	1.12035	1.15447	1.18138	.14669	-.02691	.15052	-.01811
1.397	5.952	-.04232	1.47659	1.30173	1.07874	1.12312	1.15795	.22299	-.03483	.22677	-.02573
1.402	7.935	-.04598	1.46333	1.33742	1.03987	1.08409	1.12431	.29755	-.04022	.30255	-.03129
	GRADIENT	-.00239	-.00002	.01944	-.01841	-.00025	.00161	.03785	-.00186	.03760	-.00175

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (B4R008) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 110/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.449	-7.896	-.00239	1.48883	1.01385	1.33326	1.07414	1.09971	-.31941	-.02557	-.31407	-.01623
1.452	-6.081	-.00631	1.50105	1.04663	1.29818	1.10453	1.12981	-.25150	-.02528	-.24591	-.01600
1.450	-4.042	-.01078	1.50631	1.08617	1.25453	1.12986	1.15404	-.16836	-.02418	-.16275	-.01455
1.450	-2.037	-.01659	1.50848	1.12580	1.20971	1.14292	1.16934	-.08391	-.02642	-.07856	-.01733
1.450	-.067	-.02248	1.50366	1.16507	1.16800	1.14505	1.17544	-.00293	-.03039	.00135	-.02106
1.449	1.915	-.03232	1.49734	1.20403	1.12986	1.13923	1.17250	.07417	-.03327	.07901	-.02383
1.449	3.969	-.03766	1.50429	1.25292	1.09569	1.12806	1.16669	.15723	-.03864	.16152	-.02959
1.450	5.916	-.04360	1.50089	1.29583	1.05827	1.10170	1.14743	.23757	-.04573	.24261	-.03636
1.449	7.929	-.05047	1.48230	1.33654	1.02066	1.06491	1.11722	.31588	-.05231	.32035	-.04306
	GRADIENT	-.00348	-.00075	.02062	-.01990	-.00037	.00142	.04051	-.00179	.04036	-.00183

RUN NO. 113/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.500	-7.961	-.03664	1.51713	.96142	1.31171	1.03422	1.06017	-.35029	-.02595	-.34464	-.01570
1.501	-6.077	-.02072	1.52248	.97231	1.24603	1.04191	1.06595	-.27372	-.02404	-.26814	-.01392
1.501	-4.039	-.02605	1.52747	.98827	1.17454	1.03953	1.06531	-.18627	-.02578	-.18088	-.01540
1.500	-2.042	-.03195	1.52553	1.01704	1.11880	1.03962	1.06810	-.10176	-.02848	-.09570	-.01833
1.500	-.043	-.03748	1.52403	1.02445	1.03366	1.00404	1.03727	-.00921	-.03323	-.00417	-.02315
1.501	1.932	-.04252	1.52612	1.08513	.99356	1.00768	1.04395	.09158	-.03628	.09659	-.02588
1.500	3.961	-.05108	1.52441	1.18429	1.00489	1.04607	1.08501	.17941	-.03893	.18413	-.02879
1.499	5.903	-.05670	1.51460	1.25258	.99692	1.04931	1.09318	.25565	-.04387	.26061	-.03348
1.500	7.949	-.06976	1.50040	1.30742	.96650	1.02097	1.07331	.34091	-.05235	.34546	-.04222
	GRADIENT	-.00304	-.00028	.02305	-.02323	-.00093	.00078	.04629	-.00171	.04617	-.00172

RUN NO. 114/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.550	-7.914	-.00402	1.55160	.64641	1.04793	.77478	.78386	-.40152	-.01208	-.39564	-.00315
1.551	-6.045	-.02090	1.55295	.69154	.96079	.76766	.77758	-.26924	-.00992	-.26345	-.00099
1.551	-4.092	-.01438	1.55106	.76480	.93115	.81136	.81662	-.16635	-.00526	-.16091	.00435
1.552	-2.063	-.02549	1.55558	.92492	1.00014	.94537	.95096	-.07522	-.00559	-.06954	.00375
1.550	-.039	-.03745	1.56068	1.01174	1.00861	.99494	1.00604	.00313	-.01110	.00876	-.00186
1.550	1.940	-.03466	1.55739	1.01341	.95526	.96233	.98262	.05815	-.02029	.06360	-.00987
1.549	3.937	-.03704	1.55211	.94822	.78954	.82676	.85723	.15868	-.03046	.16327	-.01989
1.548	5.940	-.05537	1.54821	.94506	.66257	.73963	.78133	.28249	-.04170	.28667	-.03175
1.550	7.919	-.07424	1.54312	1.01663	.61684	.72630	.77427	.39979	-.04796	.40372	-.03798
	GRADIENT	-.00272	.00020	.02280	-.01626	.00250	.00574	.03906	-.00324	.03896	-.00309

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (C4R008) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 85/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.401	-7.992	.01402	.78987	.66953	.72970	.03922	.00301
.401	-6.056	.02182	.80023	.72835	.76429	.04130	.00101
.401	-4.040	.01606	.80660	.76951	.78806	.04394	-.00093
.399	-2.030	.01032	.81112	.79536	.80324	.03949	-.00153
.399	-.023	.00357	.81530	.80436	.80983	.03864	-.00190
.400	1.951	-.00252	.81188	.79341	.80265	.04230	-.00305
.399	3.940	-.00864	.81064	.77200	.79132	.04144	-.00262
.400	5.936	-.01483	.80393	.72871	.76632	.04117	-.00307
.400	7.939	-.02078	.79443	.67009	.73226	.04142	-.00550
	GRADIENT	-.00312	.00045	.00017	.00031	-.00011	-.00025

RUN NO. 88/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.600	-8.046	.05924	.81544	.70133	.75838	.04172	.00028
.600	-6.055	.03524	.82655	.76119	.79387	.04141	-.00001
.601	-4.062	.02771	.83087	.79898	.81492	.04206	-.00022
.600	-2.037	.02054	.83756	.82714	.83235	.04221	-.00160
.600	-.068	.01289	.83982	.83561	.83772	.04050	-.00319
.600	1.961	.00208	.83769	.82653	.83211	.04111	-.00290
.599	3.960	-.00445	.83488	.80262	.81875	.04141	-.00366
.600	5.937	-.01035	.82662	.76154	.79408	.04147	-.00531
.600	7.924	-.01562	.81741	.70498	.76120	.04274	-.00574
	GRADIENT	-.00413	.00041	.00033	.00037	-.00012	-.00041

RUN NO. 97/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.799	-7.932	.01767	.89485	.79365	.84425	.03901	.00055
.801	-6.039	.01358	.90303	.84136	.87219	.03837	.00019
.801	-4.025	.00884	.90933	.87792	.89363	.04060	-.00066
.802	-2.020	.00403	.91304	.90141	.90722	.03923	-.00133
.802	-.070	-.00121	.91507	.90893	.91200	.03742	-.00143
.801	1.941	-.00773	.91353	.90170	.90762	.03959	-.00303
.800	3.924	-.01365	.90977	.87957	.89467	.04016	-.00420
.800	5.955	-.01946	.90370	.84365	.87368	.03958	-.00359
.798	7.921	-.02559	.89528	.79382	.84455	.03821	-.00349
	GRADIENT	-.00286	.00007	.00018	.00012	-.00003	-.00044

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (C4R008) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 99/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.901	-8.053	.02374	.94875	.85206	.90041	.03552	.00051
.899	-6.015	.01597	.95594	.89810	.92702	.03702	.00011
.899	-4.051	.00263	.96030	.93065	.94547	.03830	-.00105
.901	-2.074	-.00151	.96469	.95290	.95880	.03718	-.00084
.901	-.063	-.00563	.96695	.96122	.96409	.03641	-.00171
.897	1.976	-.01092	.95910	.94787	.95348	.03779	-.00217
.903	3.907	-.01514	.96186	.93439	.94812	.03774	-.00291
.899	5.922	-.02096	.95525	.90090	.92808	.03724	-.00474
.900	7.924	-.02586	.94144	.84813	.89478	.03796	-.00439
	GRADIENT	-.00225	-.00013	.00013	-.00000	-.00002	-.00025

RUN NO. 100/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.103	-7.851	.01364	1.08813	1.00475	1.04644	.03217	.00099
1.100	-6.017	.00703	1.09015	1.03751	1.06383	.03316	.00092
1.101	-3.975	.00209	1.09523	1.06825	1.08174	.03458	-.00057
1.098	-2.041	-.00266	1.09976	1.08826	1.09401	.03360	-.00155
1.098	-.045	-.00745	1.10207	1.09498	1.09852	.03236	-.00113
1.100	1.960	-.01235	1.10044	1.08918	1.09481	.03443	-.00212
1.102	3.925	-.01822	1.09555	1.06925	1.08240	.03482	-.00221
1.099	5.952	-.02456	1.09023	1.03967	1.06495	.03348	-.00379
1.100	7.987	-.03311	1.08283	.99824	1.04053	.03376	-.00634
	GRADIENT	-.00254	.00006	.00014	.00010	.00007	-.00019

RUN NO. 103/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.251	-7.931	.01436	1.15478	1.07076	1.11277	.03345	.00129
1.251	-6.024	.00736	1.16110	1.10833	1.13472	.03424	.00070
1.250	-4.053	.00153	1.16699	1.13945	1.15322	.03575	-.00072
1.250	-2.055	-.00529	1.16733	1.15600	1.16166	.03436	-.00144
1.251	-.032	-.01276	1.16700	1.16111	1.16405	.03295	-.00185
1.249	1.947	-.02020	1.16757	1.15718	1.16237	.03484	-.00170
1.248	3.937	-.02871	1.16439	1.13905	1.15172	.03569	-.00257
1.251	5.924	-.03704	1.16029	1.11139	1.13584	.03452	-.00392
1.249	7.913	-.04488	1.15321	1.07170	1.11245	.03369	-.00377
	GRADIENT	-.00377	-.00025	.00003	-.00011	.00002	-.00020

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (C4R008) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 109/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.400	-7.946	-.01060	1.18403	1.09555	1.13979	.03994	.00217
1.400	-6.051	-.01375	1.18607	1.13215	1.15911	.03985	.00085
1.400	-4.073	-.01759	1.18695	1.15869	1.17282	.03956	-.00066
1.399	-2.074	-.02052	1.18806	1.17557	1.18182	.03687	-.00079
1.401	-.079	-.02633	1.18998	1.18203	1.18601	.03613	-.00194
1.401	1.925	-.03178	1.19118	1.17846	1.18482	.03903	-.00245
1.400	3.922	-.03590	1.19177	1.16352	1.17765	.03842	-.00317
1.397	5.952	-.04232	1.18834	1.13598	1.16216	.03759	-.00351
1.402	7.935	-.04598	1.18614	1.09973	1.14294	.03852	-.00245
	GRADIENT	-.00239	.00064	.00063	.00063	-.00001	-.00033

RUN NO. 110/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.449	-7.896	-.00239	1.17088	1.08225	1.12657	.03685	-.00015
1.452	-6.081	-.00631	1.16964	1.11253	1.14108	.03899	.00068
1.450	-4.042	-.01078	1.16754	1.13714	1.15234	.04196	-.00017
1.450	-2.037	-.01659	1.16508	1.15158	1.15833	.04153	-.00205
1.450	-.067	-.02248	1.16439	1.15558	1.15999	.03961	-.00148
1.449	1.915	-.03232	1.16452	1.15114	1.15783	.03923	-.00193
1.449	3.969	-.03766	1.17216	1.14285	1.15751	.04148	-.00337
1.450	5.916	-.04360	1.17453	1.11988	1.14720	.04043	-.00345
1.449	7.929	-.05047	1.17636	1.08644	1.13140	.03772	-.00327
	GRADIENT	-.00348	.00044	.00054	.00049	-.00016	-.00032

RUN NO. 113/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.500	-7.961	-.03664	1.13374	1.04207	1.08791	.04000	.00135
1.501	-6.077	-.02072	1.10638	1.04887	1.07762	.04182	.00014
1.501	-4.039	-.02605	1.07871	1.04723	1.06297	.04284	-.00115
1.500	-2.042	-.03195	1.06489	1.04879	1.05684	.04318	-.00211
1.500	-.043	-.03748	1.02653	1.01562	1.02107	.04975	-.00202
1.501	1.932	-.04252	1.03683	1.02062	1.02873	.04827	-.00117
1.500	3.961	-.05108	1.09223	1.06046	1.07634	.03978	-.00175
1.499	5.903	-.05670	1.12227	1.06605	1.09416	.04014	-.00338
1.500	7.949	-.06976	1.13469	1.04208	1.08838	.04215	-.00472
	GRADIENT	-.00304	-.00003	-.00007	-.00005	-.00005	-.00001

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (C4R008) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 114/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.550	-7.914	-.00402	.84423	.77635	.81029	.07505	.00057
1.551	-6.045	-.02090	.82327	.76815	.79571	.06215	.00232
1.551	-4.092	-.01438	.84526	.80918	.82722	.04672	.00174
1.552	-2.063	-.02549	.95969	.94349	.95159	.04363	-.00185
1.550	-.039	-.03745	1.00736	.99587	1.00161	.02985	-.00355
1.550	1.940	-.03466	.98161	.96726	.97444	.03587	-.00443
1.549	3.937	-.03704	.86658	.83670	.85164	.05938	-.00591
1.548	5.940	-.05537	.80173	.75551	.77862	.06118	-.00473
1.550	7.919	-.07424	.81477	.74529	.78003	.05812	-.00236
	GRADIENT	-.00272	.00332	.00405	.00368	.00086	-.00089

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R009) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.507 BETA = .000
PHI = 180.000

RUN NO. 84/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.399	-8.036	.02718	84.01880	1.00940	752.47700	839.90000	1.04051	75.00000	180.00000	8.31300	179.81000
.401	-6.057	.02127	84.48440	1.01154	751.46900	839.40000	1.04076	75.10000	180.00000	6.33800	179.81000
.402	-4.032	.01500	84.85660	1.01272	750.66200	839.00000	1.04100	75.40000	180.00000	4.31800	179.81000
.401	-2.020	.00858	84.57410	1.01042	750.66800	838.70000	1.04086	75.60000	180.00000	2.31100	179.81000
.401	-.033	.00255	84.57580	1.01014	750.96700	839.00000	1.04084	75.80000	180.00000	.33000	179.81000
.401	1.937	-.00456	84.57860	1.00998	751.46700	839.50000	1.04082	76.00000	180.00000	-1.63500	179.81000
.401	3.956	-.01120	84.67440	1.01006	751.76400	839.90000	1.04087	76.30000	180.00000	-3.64800	179.81000
.400	5.953	-.01799	84.39460	1.00833	752.27000	840.10000	1.04069	76.40000	180.00000	-5.63900	179.81000
.401	7.931	-.02455	84.58520	1.00908	752.66500	840.70000	1.04076	76.70000	180.00000	-7.61200	179.81000
	GRADIENT	-.00329	-.01809	-.00029	.15056	.13031	-.00002	.11039	.00000	-.99729	.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R009) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.507 BETA = .000
PHI = 180.000

RUN NO. 61/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-8.181	.04298	258.83400	2.00265	1025.69000	1308.70000	1.09340	110.10000	180.00000	8.29100	179.90000
.601	-6.177	.03708	258.91500	2.00285	1025.49001	1308.60001	1.09345	110.10000	180.00000	6.29000	179.91000
.601	-4.185	.03072	258.81600	2.00236	1024.89000	1307.89999	1.09348	110.00000	180.00000	4.29900	179.91000
.601	-2.177	.02479	258.89900	2.00311	1024.78999	1307.89999	1.09352	109.90000	180.00000	2.29300	179.91000
.601	-.170	.01860	258.82300	2.00309	1025.19000	1308.20000	1.09345	109.90000	180.00000	.29100	179.91000
.600	1.847	.00933	258.50100	2.00236	1026.10001	1308.70000	1.09323	109.90000	180.00000	-1.71500	179.89000
.601	3.869	.00247	259.10700	2.00534	1026.38000	1309.70000	1.09345	109.90000	180.00000	-3.71200	179.89000
.600	5.899	-.00329	259.02600	2.00469	1026.58000	1309.80000	1.09340	110.00000	180.00000	-5.71100	179.89000
.600	7.944	-.00883	258.51700	2.00210	1026.78999	1309.39999	1.09320	110.10000	180.00000	-7.72500	179.89000
	GRADIENT	-.00357	.00920	.00026	.21317	.21870	-.00002	-.00992	.00000	-.99493	-.00298

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (B4R009) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.507 BETA = .000
PHI = 180.000

RUN NO. 84/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.399	-8.036	.02718	1.00703	.62048	.95494	.66154	.67448	-.33446	-.01294	-.33895	-.01168
.401	-6.057	.02127	1.03455	.67017	.92248	.72265	.73125	-.25231	-.00860	-.25865	-.00815
.402	-4.032	.01500	1.04818	.71778	.88790	.76308	.77488	-.17013	-.01180	-.17407	-.00944
.401	-2.020	.00858	1.05236	.76548	.84875	.78721	.80175	-.08328	-.01454	-.08685	-.01214
.401	-.033	.00255	1.05422	.80651	.80884	.79523	.81228	-.00233	-.01705	-.01259	-.01546
.401	1.937	-.00456	1.05400	.84722	.76991	.78645	.80774	.07731	-.02129	.06768	-.01894
.401	3.956	-.01120	1.04742	.88698	.72185	.75632	.78636	.16513	-.03005	.15309	-.02718
.400	5.953	-.01799	1.03133	.92199	.67491	.71281	.74929	.24708	-.03648	.23653	-.03209
.401	7.931	-.02455	.99949	.95032	.62438	.65044	.69924	.32595	-.04880	.31513	-.04211
	GRADIENT	-.00329	.00001	.02108	-.02062	-.00072	.00145	.04170	-.00217	.04058	-.00212

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (B4R009) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.507 BETA = .000
PHI = 180.000

RUN NO. 61/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.600	-8.181	.04298	.45646	.06200	.40664	.11058	.11726	-.34463	-.00668	-.32544	.00026
.601	-6.177	.03708	.48034	.11183	.37381	.16942	.17421	-.26193	-.00479	-.24121	.00244
.601	-4.185	.03072	.48976	.15847	.33768	.20997	.21569	-.17921	-.00573	-.15797	.00208
.601	-2.177	.02479	.49534	.20458	.29958	.23588	.24399	-.09501	-.00811	-.07217	.00046
.601	-.170	.01860	.49815	.24829	.26146	.24557	.25888	-.01317	-.01331	.00817	-.00515
.600	1.847	.00933	.49765	.28726	.21881	.23436	.25312	.06845	-.01876	.09378	-.01033
.601	3.869	.00247	.48980	.32273	.16992	.20502	.22988	.15281	-.02486	.18168	-.01702
.600	5.899	-.00329	.47396	.35634	.11848	.15788	.19149	.23786	-.03361	.27140	-.02590
.600	7.944	-.00883	.44666	.38568	.06682	.09575	.13954	.31885	-.04379	.35810	-.03671
	GRADIENT	-.00357	.00012	.02042	-.02068	-.00058	.00185	.04110	-.00243	.04199	-.00243

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (C4R009) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.507 BETA = .000
PHI = 180.000

RUN NO. 84/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.399	-8.036	.02718	.78995	.66738	.72867	.04048	.00239
.401	-6.057	.02127	.79950	.72673	.76311	.04072	.00058
.402	-4.032	.01500	.80481	.76780	.78631	.04364	-.00123
.401	-2.020	.00858	.80890	.79328	.80109	.04012	-.00161
.401	-.033	.00255	.81280	.80296	.80788	.03802	-.00137
.401	1.937	-.00456	.81339	.79592	.80466	.04220	-.00321
.401	3.956	-.01120	.81043	.76990	.79017	.04234	-.00325
.400	5.953	-.01799	.80373	.72885	.76629	.04074	-.00336
.401	7.931	-.02455	.79276	.67150	.73213	.03922	-.00592
	GRADIENT	-.00329	.00079	.00034	.00057	-.00003	-.00028

IA132(AEDC TF-505) TANK INVT W/O FRNG.LOUVR FILL (C4R009) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.507 BETA = .000
PHI = 180.000

RUN NO. 61/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.600	-8.181	.04298	.22472	.11046	.16759	.04220	.00142
.601	-6.177	.03708	.23249	.16820	.20035	.04164	.00042
.601	-4.185	.03072	.23745	.20892	.22319	.04268	-.00037
.601	-2.177	.02479	.24066	.23565	.23816	.04121	-.00189
.601	-.170	.01860	.24420	.24814	.24617	.04074	-.00287
.600	1.847	.00933	.24038	.23953	.23995	.04324	-.00273
.601	3.869	.00247	.23189	.21353	.22271	.04408	-.00385
.600	5.899	-.00329	.22064	.17082	.19573	.04346	-.00491
.600	7.944	-.00883	.20663	.11411	.16037	.04188	-.00548
	GRADIENT	-.00357	-.00057	.00065	00004	.00024	-.00039

IA132(AEDC TF-505) TANK INVT W/O FRNG.LOUVR FILL (A4R010) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.017 BETA = .000
PHI = 180.000

RUN NO. 59/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.401	-8.066	.01650	84.58360	1.02078	752.36500	840.40000	1.04079	71.80000	180.00000	8.33200	179.86000
.401	-6.020	.01216	84.48830	1.01906	752.16800	840.10000	1.04075	72.20000	180.00000	6.29000	179.86000
.401	-4.049	.00788	84.58240	1.01893	752.16600	840.20000	1.04078	72.50000	180.00000	4.32300	179.86000
.401	-2.028	.00341	84.77030	1.01936	752.06200	840.30000	1.04090	72.80000	180.00000	2.30600	179.86000
.400	-.064	-.00109	84.30260	1.01572	752.67100	840.40000	1.04062	73.20000	180.00000	.34600	179.86000
.399	1.939	-.00614	84.01930	1.01285	752.57700	840.00000	1.04050	73.60000	180.00000	-1.65300	179.86000
.400	3.938	-.01104	84.20670	1.01345	752.37300	840.00000	1.04058	73.80000	180.00000	-3.64800	179.86000
.400	5.943	-.00820	84.39680	1.01196	752.66900	840.50000	1.04068	75.00000	180.00000	-5.64900	179.93000
	GRADIENT	-.00238	-.07517	-.00087	.04639	-.03511	-.00004	.17047	-.00000	-.99799	.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (B4R010) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.017 BETA = .000
PHI = 180.000

RUN NO. 59/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.401	-8.066	.01650	-.85112	-1.23712	-.90985	-1.19593	-1.20587	-.32727	.00994	-.29138	.01497
.401	-6.020	.01216	-.82005	-1.18515	-.94168	-1.13384	-1.14178	-.24347	.00794	-.20329	.01516
.401	-4.049	.00788	-.80678	-1.13604	-.97591	-1.09159	-1.10163	-.16014	.01004	-.11801	.01587
.401	-2.028	.00341	-.79416	-1.08090	-1.00599	-1.05994	-1.06692	-.07491	.00698	-.03654	.01292
.400	-.064	-.00109	-.80259	-1.04932	-1.05576	-1.06250	-1.06567	.00644	.00317	.03854	.00994
.399	1.939	-.00614	-.81066	-1.01528	-1.10460	-1.07892	-1.07746	.08932	-.00146	.12342	.00908
.400	3.938	-.01104	-.81531	-.97310	-1.14490	-1.10513	-1.09564	.17180	-.00949	.20950	.00406
.400	5.943	-.00820	-.82623	-.93106	-1.19052	-1.14657	-1.12357	.25945	-.02300	.29844	-.00606
	GRADIENT	-.00238	-.00168	.01964	-.02189	-.00230	.00008	.04153	-.00238	.04087	-.00138

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (C4R010) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.017 BETA = .000
PHI = 180.000

RUN NO. 59/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.401	-8.066	.01650	-1.09143	-1.20341	-1.14742	.04284	-.00010
.401	-6.020	.01216	-1.08351	-1.14142	-1.11246	.04348	.00049
.401	-4.049	.00788	-1.07704	-1.09953	-1.08828	.04225	-.00045
.401	-2.028	.00341	-1.06263	-1.06640	-1.06452	.03831	-.00194
.400	-.064	-.00109	-1.06859	-1.06747	-1.06803	.04006	-.00073
.399	1.939	-.00614	-1.07699	-1.08346	-1.08022	.04317	-.00102
.400	3.938	-.01104	-1.07785	-1.10716	-1.09250	.04359	-.00402
.400	5.943	-.00820	-1.08028	-1.14354	-1.11191	.04473	-.00556
	GRADIENT	-.00238	-.00080	-.00162	-.00121	.00038	-.00031

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R011) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 213/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.402	-7.996	.02754	84.86330	1.01837	751.86000	840.20000	1.04096	73.40000	180.00000	8.25500	179.81000
.398	-6.013	.02083	83.45310	1.00863	752.48900	839.30000	1.04021	73.70000	180.00000	6.27900	179.81000
.398	-4.021	.01421	83.36480	1.00848	753.58900	840.30000	1.04014	73.90000	180.00000	4.29300	179.81000
.398	-2.008	.00730	83.74740	1.01111	754.58000	841.70000	1.04025	74.10000	180.00000	2.28600	179.81000
.399	.009	.00021	84.12830	1.01328	755.27100	842.80000	1.04041	74.40000	180.00000	.27600	179.81000
.399	1.979	-.00602	84.22320	1.01396	755.36900	843.00000	1.04045	74.40000	180.00000	-1.68800	179.81000
.399	3.997	-.01284	84.31410	1.01345	754.76800	842.50000	1.04054	74.70000	180.00000	-3.70000	179.81000
.400	5.966	-.01948	84.40620	1.01332	754.36700	842.20000	1.04058	74.90000	180.00000	-5.66400	179.81000
.401	7.998	-.02654	84.68550	1.01426	753.76200	841.90000	1.04076	75.10000	180.00000	-7.69100	179.81000
	GRADIENT	-.00337	.11867	.00064	.15739	.28499	.00005	.09497	-.00000	-.99689	-.00000

RUN NO. 214/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-7.953	.01390	320.60800	2.48732	1270.55000	1621.10001	1.09339	108.90000	180.00000	8.15700	179.90000
.601	-6.042	.01030	321.42700	2.49440	1272.62000	1624.10001	1.09350	108.60000	180.00000	6.26800	179.90000
.600	-4.023	.00622	321.16600	2.48637	1272.42999	1623.60001	1.09342	109.80000	180.00000	4.27300	179.90000
.600	-1.988	.00251	321.84000	2.48755	1275.60001	1627.50000	1.09340	110.60000	180.00000	2.26200	179.89000
.600	-.041	-.00177	320.45500	2.48505	1271.35001	1621.70000	1.09329	109.30000	180.00000	.33800	179.88000
.599	1.941	-.00558	319.81900	2.47777	1273.46001	1623.00000	1.09293	110.40000	180.00000	-1.62200	179.88000
.600	3.981	-.01028	321.28700	2.48424	1273.92000	1625.20000	1.09335	110.50000	180.00000	-3.64100	179.88000
.599	5.965	-.01470	319.76700	2.47521	1271.25999	1620.80000	1.09311	110.50000	180.00000	-5.60500	179.88000
.599	7.984	-.01901	319.96000	2.47515	1272.16000	1621.89999	1.09307	110.80000	180.00000	-7.60500	179.88000
	GRADIENT	-.00206	-.08747	-.00070	.04512	-.06019	-.00003	.06096	-.00000	-.98872	-.00250

RUN NO. 227/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-8.077	.03522	322.79100	1.99853	720.72100	1098.50000	1.17035	110.50000	180.00000	8.26400	179.76000
.800	-6.062	.01604	322.84100	1.99907	721.51900	1099.30000	1.17018	110.60000	180.00000	6.27500	179.86000
.800	-4.072	.01057	323.22900	2.00080	721.71000	1100.00000	1.17035	110.60000	180.00000	4.30900	179.86000
.800	-2.060	.00543	322.79100	1.99853	720.72100	1098.50000	1.17035	110.50000	180.00000	2.32300	179.86000
.799	-.073	-.00011	321.72100	1.99281	719.24700	1095.70000	1.17012	110.50000	180.00000	.36100	179.86000
.800	1.927	-.00481	323.50400	2.00196	721.30500	1100.00000	1.17060	110.50000	180.00000	-1.61200	179.86000
.799	3.932	-.00989	322.22700	1.99688	721.33200	1098.30000	1.16988	110.50000	180.00000	-3.59300	179.86000
.800	5.929	-.01495	322.48400	1.99632	720.62800	1098.00000	1.17020	110.70000	180.00000	-5.56700	179.86000
.800	7.929	-.01920	322.05300	1.99417	719.73900	1096.60001	1.17018	110.60000	180.00000	-7.54400	179.87000
	GRADIENT	-.00256	-.06461	-.00022	-.00858	-.09506	-.00003	-.01001	-.00000	-.98726	.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R011) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 229/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.899	-7.897	.01567	348.80400	1.99784	616.15900	1041.30000	1.21885	109.90000	180.00000	8.07000	179.90000
.900	-6.086	.01212	348.62500	1.99517	614.26700	1039.39999	1.21946	109.90000	180.00000	6.28500	179.90000
.900	-4.101	.00871	349.75600	2.00204	616.63800	1043.10001	1.21931	109.90000	180.00000	4.32900	179.90000
.900	-2.092	.00461	349.23100	1.99824	616.25000	1042.00000	1.21911	110.20000	180.00000	2.34900	179.90000
.901	-.081	.00023	348.93100	1.99622	614.56000	1040.10001	1.21955	110.00000	180.00000	.36700	179.90000
.899	1.887	-.00288	348.05200	1.99340	615.57600	1039.70000	1.21857	110.10000	180.00000	-1.57100	179.90000
.901	3.925	-.00693	349.36400	1.99928	615.44900	1041.50000	1.21950	109.90000	180.00000	-3.58100	179.90000
.899	5.945	-.01112	349.65100	2.00323	617.73800	1043.89999	1.21882	109.80000	180.00000	-5.57300	179.90000
.900	7.885	-.01504	349.50600	2.00139	616.94300	1043.00000	1.21903	109.90000	180.00000	-7.48600	179.90000
	GRADIENT	-.00194	-.09737	-.00051	-.15268	-.27393	-.00001	-.00505	.00000	-.98539	.00000

RUN NO. 231/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-8.015	.02061	372.03500	1.89713	439.04200	937.70001	1.33762	110.40000	180.00000	8.15400	179.88000
1.101	-6.085	.01588	371.97900	1.89585	438.44600	937.20000	1.33804	110.50000	180.00000	6.26000	179.88000
1.098	-4.054	.01112	371.42100	1.89627	440.44200	937.60000	1.33600	110.40000	180.00000	4.26700	179.88000
1.099	-2.065	.00603	372.18500	1.89974	440.13300	938.70000	1.33692	110.20000	180.00000	2.31400	179.88000
1.100	-.074	.00091	372.07300	1.89749	439.24000	937.90000	1.33751	110.40000	180.00000	.36000	179.88000
1.100	1.900	-.00353	372.34300	1.89906	439.73300	938.70000	1.33738	110.40000	180.00000	-1.57800	179.88000
1.100	3.893	-.00870	372.01400	1.89727	439.24100	937.80000	1.33746	110.40000	180.00000	-3.53500	179.88000
1.100	5.922	-.01340	371.78000	1.89594	439.24400	937.40000	1.33724	110.50000	180.00000	-5.52800	179.88000
1.102	7.904	-.01775	373.24200	1.90153	439.22300	939.90000	1.33858	110.50000	180.00000	-7.47300	179.88000
	GRADIENT	-.00248	.06768	.00007	-.14120	.02007	.00017	.01006	.00000	-.98167	-.00000

RUN NO. 519/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.022	.02954	403.68400	1.94595	369.01500	956.00000	1.42339	110.70000	180.00000	6.15500	179.72000
1.250	-4.013	.00648	404.39500	1.95031	369.70100	957.70000	1.42335	110.50000	180.00000	4.18400	179.90000
1.250	-1.951	.00177	404.41700	1.95030	369.60200	957.70000	1.42345	110.50000	180.00000	2.16100	179.90000
1.251	-.031	-.00260	403.30600	1.94523	368.42500	955.00000	1.42359	110.40000	180.00000	.27700	179.90000
1.250	2.024	-.00715	404.93300	1.95319	370.48800	959.10000	1.42308	110.50000	180.00000	-1.74000	179.90000
1.250	4.028	-.02032	404.41700	1.94895	369.60200	957.70000	1.42345	110.80000	180.00000	-3.70800	179.79000
1.250	5.958	-.01900	404.11200	1.94776	369.60500	957.10000	1.42321	110.80000	180.00000	-5.60300	179.88000
	GRADIENT	-.00312	.02919	.00001	.03566	.07288	-.00001	.03006	.00000	-.98142	-.01098

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R011) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 233/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-7.997	.01184	429.97400	1.99913	313.39800	997.30000	1.49360	110.90000	180.00000	8.12600	179.93000
1.401	-6.100	.02866	429.50500	1.99525	312.80900	996.20000	1.49383	111.20000	180.00000	6.26700	179.76000
1.399	-4.098	.00867	430.22000	1.99891	314.18700	997.90000	1.49304	111.30000	180.00000	4.30400	179.90000
1.400	-2.044	.00443	429.32600	1.99665	313.00800	995.80000	1.49352	110.80000	180.00000	2.29100	179.90000
1.398	-.088	.00136	430.04300	2.00013	314.28300	997.50000	1.49282	110.90000	180.00000	.37300	179.90000
1.397	1.912	-.00296	430.11900	2.00224	314.78100	997.70000	1.49242	110.60000	180.00000	-1.58800	179.90000
1.397	3.906	-.00718	429.34600	1.99715	314.09600	995.90000	1.49252	110.90000	180.00000	-3.54300	179.90000
1.397	5.905	-.01374	429.30200	1.99743	314.09600	995.80000	1.49249	110.80000	180.00000	-5.50400	179.90000
1.399	7.909	-.01728	430.01200	1.99953	313.69400	997.40000	1.49335	110.90000	180.00000	-7.46800	179.90000
	GRADIENT	-.00196	-.04848	.00010	.07864	-.10671	-.00011	-.05039	.00000	-.98044	.00000

RUN NO. 235/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-8.018	.02357	433.77700	2.00121	294.55200	1006.90000	1.51385	110.70000	180.00000	8.14700	179.87000
1.451	-6.067	.01796	434.15600	2.00238	294.64700	1007.80000	1.51400	110.80000	180.00000	6.23400	179.87000
1.452	-4.083	.01442	432.88900	1.99677	293.47900	1004.90000	1.51431	110.70000	180.00000	4.29000	179.87000
1.450	-2.085	.00810	432.40100	1.99537	293.67400	1003.70000	1.51380	110.60000	180.00000	2.33100	179.87000
1.450	-.085	.00421	433.31400	1.99924	294.45700	1005.80000	1.51365	110.70000	180.00000	.37000	179.87000
1.450	1.924	-.00447	432.75900	1.99674	294.16600	1004.50000	1.51356	110.70000	180.00000	-1.60000	179.87000
1.449	3.897	-.00725	432.59300	1.99652	294.16700	1004.10000	1.51345	110.60000	180.00000	-3.53500	179.87000
1.451	5.902	-.01436	432.63500	1.99612	293.37400	1004.30000	1.51423	110.60000	180.00000	-5.50100	179.87000
1.451	7.892	-.02010	432.25600	1.99449	293.27900	1003.40000	1.51408	110.60000	180.00000	-7.45200	179.87000
	GRADIENT	-.00280	-.01165	.00004	.09452	-.03991	-.00010	-.00498	.00000	-.98050	-.00000

RUN NO. 237/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.499	-8.009	.01388	436.18500	1.99862	277.15200	1016.60000	1.53203	110.90000	180.00000	8.13800	179.92000
1.500	-6.131	.01963	435.95100	1.99745	276.85600	1016.10000	1.53217	110.90000	180.00000	6.29700	179.84000
1.499	-4.070	.01448	436.01500	1.99691	277.05400	1016.20000	1.53202	111.10000	180.00000	4.27700	179.84000
1.499	-2.078	.00732	435.80500	1.99644	276.95800	1015.70000	1.53199	111.00000	180.00000	2.32400	179.84000
1.500	-.085	.00128	435.82000	1.99638	276.75900	1015.80000	1.53219	111.00000	180.00000	.37000	179.84000
1.500	1.920	-.00403	435.33600	1.99644	276.36700	1014.70000	1.53227	110.50000	180.00000	-1.59600	179.84000
1.500	3.913	-.01231	435.92600	2.00050	276.65800	1016.10000	1.53235	110.20000	180.00000	-3.55000	179.84000
1.499	5.916	-.01858	436.44600	2.00217	277.34700	1017.20000	1.53200	110.40000	180.00000	-5.51400	179.84000
1.500	7.925	-.02239	435.62300	1.99929	276.76100	1015.30000	1.53207	110.20000	180.00000	-7.48400	179.84000
	GRADIENT	-.00325	-.03244	.00036	-.06930	-.06019	.00005	-.11525	.00000	-.98051	.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R011) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 239/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.548	-8.181	.00058	438.82300	2.00338	261.65800	1029.89999	1.54869	110.40000	180.00000	8.30900	-179.97000
1.551	-6.028	-.00133	438.73600	2.00250	260.65900	1030.20000	1.54961	110.40000	180.00000	6.19700	-179.96000
1.551	-4.004	.00310	438.64100	2.00393	260.56100	1030.00000	1.54965	110.00000	180.00000	4.21200	-179.96000
1.551	-1.946	.00742	438.50900	2.00191	260.46200	1029.70000	1.54967	110.30000	180.00000	2.19400	-179.96000
1.550	-.019	.00413	438.30800	2.00157	260.76600	1029.00000	1.54925	110.20000	180.00000	.30500	-179.96000
1.549	1.991	.00908	437.99100	1.99990	260.87100	1028.10001	1.54897	110.30000	180.00000	-1.66600	-179.96000
1.548	4.098	.01104	437.67400	1.99907	260.97600	1027.20000	1.54868	110.20000	180.00000	-3.73200	-179.96000
1.552	6.109	.01322	437.16600	1.99611	259.38300	1026.70000	1.54995	110.20000	180.00000	-5.70500	-179.96000
1.552	8.139	.01334	437.84100	1.99908	259.57200	1028.39999	1.55016	110.20000	180.00000	-7.69500	-179.96000
	GRADIENT	.00088	-.12185	-.00058	.06129	-.35765	-.00013	.01985	-.00000	-.98057	-.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (B4R011) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 213/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.402	-7.996	.02754	1.01546	.62002	.97234	.66119	.66609	-.35231	-.00490	-.29690	.01736
.398	-6.013	.02083	1.04624	.67101	.94395	.72108	.72305	-.27294	-.00197	-.21584	.01898
.398	-4.021	.01421	1.05827	.71851	.90641	.76134	.76309	-.18791	-.00175	-.13233	.02036
.398	-2.008	.00730	1.06201	.76444	.86702	.78553	.78856	-.10258	-.00303	-.04484	.01830
.399	.009	.00021	1.06227	.80537	.82567	.79086	.79894	-.02030	-.00808	.02919	.01393
.399	1.979	-.00602	1.06110	.84580	.78446	.78073	.79218	.06134	-.01145	.11072	.00997
.399	3.997	-.01284	1.05306	.88229	.73743	.75095	.77080	.14486	-.01986	.19394	.00236
.400	5.966	-.01948	1.03483	.91688	.69007	.70602	.73204	.22681	-.02602	.27762	-.00016
.401	7.998	-.02654	1.00129	.94547	.63781	.64089	.68002	.30765	-.03914	.35657	-.01026
	GRADIENT	-.00337	-.00056	.02042	-.02100	-.00127	.00096	.04143	-.00223	.04036	-.00221

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (B4R011) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 214/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.600	-7.953	.01390	1.05392	.64345	.98892	.69359	.71210	-.34547	-.01851	-.32773	-.01526
.601	-6.042	.01030	1.08053	.69273	.96042	.75024	.76485	-.26764	-.01461	-.25041	-.01241
.600	-4.023	.00622	1.09350	.74193	.92556	.79309	.80519	-.18364	-.01210	-.16654	-.01065
.600	-1.988	.00251	1.09615	.78807	.88765	.81910	.82984	-.09958	-.01073	-.08181	-.00911
.600	-.041	-.00177	1.09838	.83067	.85115	.82905	.84110	-.02048	-.01205	-.00286	-.01063
.599	1.941	-.00558	1.09770	.87112	.80872	.81871	.83528	.06239	-.01657	.07904	-.01555
.600	3.981	-.01028	1.09232	.90924	.76248	.79089	.81289	.14676	-.02200	.16326	-.02173
.599	5.965	-.01470	1.07827	.94463	.71513	.74744	.77507	.22950	-.02762	.24680	-.02722
.599	7.984	-.01901	1.04813	.97410	.66158	.68314	.72052	.31251	-.03739	.32918	-.03666
	GRADIENT	-.00206	-.00004	.02095	-.02032	-.00025	.00104	.04127	-.00129	.04115	-.00143

RUN NO. 227/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.800	-8.077	.03522	1.13359	.73224	1.05996	.78477	.78684	-.32772	-.00207	-.31027	-.00036
.800	-6.062	.01604	1.15782	.78018	1.02968	.83688	.83817	-.24950	-.00129	-.23216	.00050
.800	-4.072	.01057	1.16754	.82450	.99512	.87241	.87342	-.17062	-.00101	-.15398	.00054
.800	-2.060	.00543	1.17175	.86855	.96045	.89521	.89840	-.09190	-.00318	-.07470	-.00057
.799	-.073	-.00011	1.17305	.90965	.92366	.90309	.90963	-.01401	-.00654	.00208	-.00269
.800	1.927	-.00481	1.17031	.94460	.88352	.89177	.90403	.06107	-.01226	.07703	-.00847
.799	3.932	-.00989	1.16875	.98386	.84194	.86931	.88782	.14192	-.01851	.15778	-.01453
.800	5.929	-.01495	1.15422	1.01620	.79565	.82936	.85406	.22055	-.02471	.23619	-.02089
.800	7.929	-.01920	1.13284	1.04952	.74998	.77680	.81229	.29954	-.03549	.31487	-.03193
	GRADIENT	-.00256	.00005	.01974	-.01917	-.00048	.00172	.03891	-.00220	.03878	-.00190

RUN NO. 229/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.899	-7.897	.01567	1.18957	.80025	1.10510	.85283	.85765	-.30485	-.00483	-.28981	-.00053
.900	-6.086	.01212	1.20535	.83813	1.07579	.89251	.89633	-.23766	-.00382	-.22297	.00016
.900	-4.101	.00871	1.21539	.88063	1.04488	.92708	.92998	-.16425	-.00290	-.14924	.00120
.900	-2.092	.00461	1.21862	.92296	1.01006	.94821	.95319	-.08710	-.00498	-.07265	-.00033
.901	-.081	.00023	1.21848	.96104	.97422	.95441	.96282	-.01318	-.00841	.00116	-.00261
.899	1.887	-.00288	1.22007	.99787	.93907	.94781	.96070	.05880	-.01289	.07235	-.00739
.901	3.925	-.00693	1.21412	1.03119	.89549	.92303	.94183	.13569	-.01880	.14904	-.01259
.899	5.945	-.01112	1.20378	1.06546	.85328	.88751	.91328	.21218	-.02577	.22500	-.02012
.900	7.885	-.01504	1.18549	1.09737	.81196	.84116	.87531	.28540	-.03415	.29862	-.02874
	GRADIENT	-.00194	-.00006	.01877	-.01846	-.00043	.00155	.03723	-.00198	.03702	-.00173

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (B4R011) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 231/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.100	-8.015	.02061	1.30910	.95021	1.23020	.99823	1.00471	-.27999	-.00648	-.26644	-.00027
1.101	-6.085	.01588	1.32610	.98843	1.20278	1.03833	1.04286	-.21430	-.00453	-.20135	.00146
1.098	-4.054	.01112	1.33517	1.02742	1.17320	1.06841	1.07309	-.14578	-.00468	-.13312	.00137
1.099	-2.065	.00603	1.33598	1.06332	1.14040	1.08476	1.09170	-.07707	-.00693	-.06400	-.00036
1.100	-.074	.00091	1.33663	1.09810	1.10865	1.09015	1.10107	-.01055	-.01093	.00144	-.00285
1.100	1.900	-.00353	1.33378	1.12850	1.07281	1.08078	1.09529	.05569	-.01452	.06754	-.00688
1.100	3.893	-.00870	1.33141	1.16043	1.03717	1.06185	1.08123	.12327	-.01938	.13548	-.01165
1.102	5.922	-.01340	1.32166	1.19112	.99823	1.03005	1.05578	.19290	-.02573	.20466	-.01784
	7.904	-.01775	1.30465	1.21988	.96125	.98845	1.02209	.25862	-.03364	.26990	-.02611
	GRADIENT	-.00248	-.00049	.01668	-.01710	-.00086	.00100	.03378	-.00186	.03367	-.00164

RUN NO. 519/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.250	-6.022	.02954	1.41202	1.05462	1.26991	1.11167	1.11119	-.21528	.00048	-.21545	-.00013
1.250	-4.013	.00648	1.42141	1.09556	1.24041	1.14203	1.14230	-.14485	-.00027	-.14525	-.00078
1.250	-1.951	.00177	1.42225	1.13490	1.20545	1.15901	1.16192	-.07055	-.00291	-.07086	-.00269
1.251	-.031	-.00260	1.42039	1.16715	1.17126	1.16214	1.16756	-.00411	-.00541	-.00439	-.00508
1.250	2.024	-.00715	1.42138	1.20302	1.13761	1.15511	1.16545	.06541	-.01034	.06411	-.01046
1.250	4.028	-.02032	1.41837	1.23608	1.09878	1.13390	1.14993	.13731	-.01603	.13604	-.01615
1.250	5.958	-.01900	1.40735	1.26613	1.06044	1.10221	1.12453	.20569	-.02232	.20413	-.02292
	GRADIENT	-.00312	-.00034	.01741	-.01750	-.00101	.00094	.03491	-.00194	.03478	-.00192

RUN NO. 233/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.400	-7.997	.01184	1.47683	1.02863	1.34502	1.08852	1.10708	-.31639	-.01856	-.30541	-.01056
1.401	-6.100	.02866	1.48946	1.06700	1.30662	1.12707	1.13882	-.23963	-.01175	-.22962	-.00384
1.399	-4.098	.00867	1.49290	1.10988	1.27051	1.15533	1.16748	-.16062	-.01216	-.15065	-.00452
1.400	-2.044	.00443	1.49055	1.15183	1.23251	1.17237	1.18582	-.08067	-.01345	-.07038	-.00633
1.398	-.088	.00136	1.49140	1.18958	1.19862	1.17770	1.19470	-.00904	-.01700	.00080	-.01001
1.397	1.912	-.00296	1.49397	1.22943	1.16290	1.17218	1.19423	.06653	-.02205	.07497	-.01517
1.397	3.906	-.00718	1.49380	1.26802	1.12337	1.15403	1.18039	.14465	-.02635	.15337	-.01923
1.397	5.905	-.01374	1.48197	1.30260	1.08297	1.12305	1.15616	.21964	-.03311	.22804	-.02663
1.399	7.909	-.01728	1.46568	1.33725	1.04375	1.08214	1.12266	.29350	-.04051	.30240	-.03399
	GRADIENT	-.00196	.00026	.01973	-.01823	-.00013	.00172	.03796	-.00185	.03774	-.00191

IA132(AEDC TF-505) TANK INVT W/O FRNG.LOUVR FILL (B4R011) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 235/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.450	-8.018	.02357	1.48772	1.00825	1.33469	1.06937	1.09514	-.32644	-.02578	-.31764	-.01740
1.451	-6.067	.01796	1.50131	1.04685	1.29853	1.10449	1.12871	-.25169	-.02428	-.24218	-.01603
1.452	-4.083	.01442	1.50682	1.08445	1.25523	1.12716	1.15208	-.17078	-.02492	-.16187	-.01658
1.450	-2.085	.00810	1.50524	1.12334	1.20906	1.13941	1.16626	-.08572	-.02686	-.07696	-.01875
1.450	-.085	.00421	1.50327	1.16638	1.16973	1.14442	1.17483	-.00335	-.03042	.00431	-.02234
1.450	1.924	-.00447	1.49586	1.20507	1.13073	1.13716	1.17122	.07434	-.03406	.08215	-.02571
1.449	3.897	-.00725	1.50552	1.25162	1.09768	1.12604	1.16550	.15394	-.03945	.16141	-.03141
1.451	5.902	-.01436	1.50000	1.29368	1.05904	1.09808	1.14443	.23463	-.04634	.24299	-.03819
1.451	7.892	-.02010	1.48519	1.33616	1.02298	1.06169	1.11667	.31318	-.05498	.32108	-.04669
	GRADIENT	-.00280	-.00060	.02083	-.01970	-.00022	.00160	.04054	-.00182	.04034	-.00183

RUN NO. 237/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.499	-8.009	.01388	1.51699	.95737	1.31083	1.03091	1.05850	-.35345	-.02759	-.34542	-.01757
1.500	-6.131	.01963	1.52544	.98601	1.26015	1.05327	1.08051	-.27414	-.02725	-.26608	-.01722
1.499	-4.070	.01448	1.52591	1.01293	1.19834	1.06139	1.09048	-.18541	-.02910	-.17837	-.01918
1.499	-2.078	.00732	1.52502	1.03897	1.13807	1.05869	1.09007	-.09910	-.03138	-.09180	-.02155
1.500	-.085	.00128	1.52334	1.05419	1.06347	1.03138	1.06737	-.00928	-.03599	-.00163	-.02615
1.500	1.920	-.00403	1.52710	1.10910	1.01889	1.02987	1.06827	.09021	-.03840	.09693	-.02843
1.500	3.913	-.01231	1.52552	1.19267	1.01342	1.05126	1.09243	.17925	-.04118	.18559	-.03121
1.499	5.916	-.01858	1.51656	1.25776	1.00183	1.05096	1.09701	.25593	-.04604	.26211	-.03596
1.500	7.925	-.02239	1.50572	1.31404	.97822	1.02808	1.08238	.33583	-.05430	.34230	-.04380
	GRADIENT	-.00325	.00007	.02152	-.02449	-.00246	-.00090	.04602	-.00156	.04592	-.00155

RUN NO. 239/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.548	-8.181	.00058	1.54925	.66637	1.09570	.79633	.82368	-.42933	-.02735	-.42252	-.01616
1.551	-6.028	-.00133	1.55255	.68860	.96694	.76596	.78895	-.27833	-.02299	-.27182	-.01191
1.551	-4.004	.00310	1.55035	.78409	.94887	.82831	.84073	-.16478	-.01242	-.15835	-.00102
1.551	-1.946	.00742	1.55518	.93391	1.00488	.94930	.96235	-.07096	-.01304	-.06438	-.00162
1.550	-.019	.00413	1.56095	1.01102	1.00648	.99165	1.00667	.00453	-.01502	.00992	-.00352
1.549	1.991	.00908	1.55746	1.00896	.94885	.95509	.97634	.06011	-.02125	.06585	-.01004
1.548	4.098	.01104	1.55005	.93716	.76300	.80289	.83790	.17416	-.03501	.17954	-.02387
1.552	6.109	.01322	1.54860	.95344	.66030	.74280	.77801	.29315	-.03521	.29868	-.02439
1.552	8.139	.01334	1.54370	1.04074	.62580	.74093	.78016	.41494	-.03923	.42005	-.02815
	GRADIENT	.00088	.00007	.01876	-.02144	-.00245	.00021	.04020	-.00266	.04006	-.00270

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (C4R011) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 213/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.402	-7.996	.02754	.76847	.65251	.71049	.04087	.00075
.398	-6.013	.02087	.77893	.71159	.74526	.04091	.00094
.398	-4.021	.01421	.78467	.75116	.76791	.04390	.00001
.398	-2.008	.00730	.78686	.77638	.78162	.03960	-.00194
.399	.009	.00021	.79078	.78390	.78734	.03822	-.00182
.399	1.979	-.00602	.79044	.77575	.78309	.04191	-.00329
.399	3.997	-.01284	.78532	.74977	.76754	.04207	-.00231
.400	5.966	-.01948	.77807	.70610	.74209	.04109	-.00254
.401	7.998	-.02654	.76718	.64602	.70660	.03774	-.00613
	GRADIENT	-.00337	.00024	-.00016	.00004	-.00007	-.00030

RUN NO. 214/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.600	-7.953	.01390	.80732	.70122	.75427	.04019	.00167
.601	-6.042	.01030	.81799	.75644	.78721	.04096	.00114
.600	-4.023	.00622	.82520	.79841	.81181	.04191	.00089
.600	-1.988	.00251	.82897	.82366	.82631	.04094	.00018
.600	-.041	-.00177	.83209	.83436	.83323	.04084	-.00173
.599	1.941	-.00558	.83160	.82649	.82904	.04130	-.00303
.600	3.981	-.01028	.82761	.80175	.81468	.04183	-.00269
.599	5.965	-.01470	.82123	.76106	.79114	.04163	-.00360
.599	7.984	-.01901	.80951	.70147	.75549	.04038	-.00521
	GRADIENT	-.00206	.00037	.00047	.00042	.00001	-.00052

RUN NO. 227/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.800	-8.077	.03522	.88737	.78494	.83616	.03866	.00050
.800	-6.062	.01604	.89626	.83662	.86644	.03901	.00029
.800	-4.072	.01057	.90150	.87214	.88682	.03944	-.00031
.800	-2.060	.00543	.90590	.89550	.90070	.03929	-.00064
.799	-.073	-.00011	.90861	.90444	.90652	.03754	-.00199
.800	1.927	-.00481	.90608	.89601	.90104	.03889	-.00324
.799	3.932	-.00989	.90497	.87658	.89077	.04017	-.00277
.800	5.929	-.01495	.89811	.83980	.86895	.03903	-.00430
.800	7.929	-.01920	.89209	.79277	.84243	.03950	-.00613
	GRADIENT	-.00256	.00036	.00047	.00041	.00005	-.00038

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (C4R011) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 229/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.899	-7.897	.01567	.94515	.85309	.89912	.03691	.00025
.900	-6.086	.01212	.94961	.89243	.92102	.03686	.00063
.900	-4.101	.00871	.95525	.92648	.94087	.03783	-.00010
.900	-2.092	.00461	.95929	.94838	.95383	.03765	-.00094
.901	-.081	.00023	.96046	.95572	.95809	.03602	-.00181
.899	1.887	-.00288	.96169	.95150	.95660	.03689	-.00253
.901	3.925	-.00693	.95667	.92933	.94300	.03777	-.00302
.899	5.945	-.01112	.95296	.89757	.92526	.03771	-.00424
.900	7.885	-.01504	.94806	.85553	.90180	.03807	-.00455
	GRADIENT	-.00194	.00026	.00044	.00035	-.00004	-.00037

RUN NO. 231/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.100	-8.015	.02061	1.08343	.99837	1.04090	.03388	.00109
1.101	-6.085	.01588	1.08916	1.03760	1.06338	.03342	.00051
1.098	-4.054	.01112	1.09398	1.06773	1.08085	.03443	-.00056
1.099	-2.065	.00603	1.09532	1.08494	1.09013	.03390	-.00104
1.100	-.074	.00091	1.09738	1.09157	1.09448	.03281	-.00164
1.100	1.900	-.00353	1.09473	1.08422	1.08948	.03390	-.00227
1.100	3.893	-.00870	1.09269	1.06768	1.08018	.03428	-.00260
1.100	5.922	-.01340	1.08879	1.03897	1.06388	.03353	-.00367
1.102	7.904	-.01775	1.08495	1.00151	1.04322	.03261	-.00443
	GRADIENT	-.00248	-.00016	-.00004	-.00010	-.00002	-.00027

RUN NO. 519/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.250	-6.022	.02954	1.16235	1.11173	1.13704	.03458	-.00016
1.250	-4.013	.00648	1.16819	1.14242	1.15530	.03568	-.00065
1.250	-1.951	.00177	1.17033	1.16035	1.16534	.03573	-.00098
1.251	-.031	-.00260	1.16935	1.16468	1.16701	.03341	-.00193
1.250	2.024	-.00715	1.17096	1.16034	1.16565	.03458	-.00283
1.250	4.028	-.02032	1.16806	1.14198	1.15502	.03599	-.00313
1.250	5.958	-.01900	1.16407	1.11367	1.13887	.03492	-.00369
	GRADIENT	-.00312	.00002	-.00005	-.00001	-.00002	-.00034

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (C4R011) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 233/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.400	-7.997	.01184	1.18134	1.09380	1.13757	.04012	.00454
1.401	-6.100	.02866	1.18181	1.12899	1.15540	.03963	.00156
1.399	-4.098	.00867	1.18520	1.15759	1.17140	.03956	-.00101
1.400	-2.044	.00443	1.18702	1.17553	1.18128	.03768	-.00120
1.398	-.088	.00136	1.18918	1.18271	1.18594	.03601	-.00251
1.397	1.912	-.00296	1.19195	1.17976	1.18585	.03865	-.00214
1.397	3.906	-.00718	1.19134	1.16365	1.17749	.03863	-.00278
1.397	5.905	-.01374	1.18858	1.13637	1.16247	.03688	-.00395
1.399	7.909	-.01728	1.18605	1.09914	1.14259	.03723	-.00354
	GRADIENT	-.00196	.00086	.00083	.00084	-.00005	-.00022

RUN NO. 235/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.450	-8.018	.02357	1.16707	1.07807	1.12257	.03836	.00092
1.451	-6.067	.01796	1.16793	1.11250	1.14022	.03930	.00026
1.452	-4.083	.01442	1.16539	1.13545	1.15042	.04189	-.00070
1.450	-2.085	.00810	1.16182	1.14878	1.15530	.04207	-.00157
1.450	-.085	.00421	1.16423	1.15559	1.15991	.03922	-.00166
1.450	1.924	-.00447	1.16400	1.15001	1.15701	.03917	-.00222
1.449	3.897	-.00725	1.17091	1.14174	1.15633	.04085	-.00320
1.451	5.902	-.01436	1.17218	1.11717	1.14468	.04002	-.00382
1.451	7.892	-.02010	1.17562	1.08503	1.13033	.03885	-.00450
	GRADIENT	-.00280	.00066	.00070	.00068	-.00025	-.00028

RUN NO. 237/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.499	-8.009	.01388	1.13009	1.03969	1.08489	.04222	.00049
1.500	-6.131	.01963	1.11905	1.06188	1.09047	.04231	-.00042
1.499	-4.070	.01448	1.10211	1.07098	1.08655	.04298	-.00102
1.499	-2.078	.00732	1.08487	1.06946	1.07717	.04383	-.00190
1.500	-.085	.00128	1.05501	1.04445	1.04973	.04779	-.00186
1.500	1.920	-.00403	1.06063	1.04408	1.05236	.04818	-.00099
1.500	3.913	-.01231	1.09987	1.06686	1.08337	.04041	-.00178
1.499	5.916	-.01858	1.12671	1.06894	1.09782	.03830	-.00320
1.500	7.925	-.02239	1.14289	1.04998	1.09644	.04071	-.00426
	GRADIENT	-.00305	-.00144	-.00168	-.00156	-.00004	-.00003

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (C4R011) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 239/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.548	-8.181	.00058	.87763	.80441	.84102	.07310	.00063
1.551	-6.028	-.00137	.82451	.77191	.79821	.06373	.00466
1.551	-4.004	.00310	.86327	.82882	.84604	.04952	.00301
1.551	-1.946	.00742	.96611	.95012	.95811	.04341	-.00137
1.550	-.019	.00413	1.00606	.99341	.99974	.02943	-.00129
1.549	1.991	.00908	.97603	.96011	.96807	.03860	-.00611
1.548	4.098	.01104	.84739	.81482	.83111	.06044	-.00352
1.552	6.109	.01322	.80410	.75500	.77955	.05913	-.00000
1.552	8.139	.01334	.83071	.75501	.79286	.06013	-.00277
	GRADIENT	.00088	-.00127	-.00110	-.00119	.00088	-.00088

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R012) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.952 BETA = .000
PHI = 180.000

RUN NO. 266/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.249	-7.989	.01895	403.86500	1.95104	369.80500	956.70000	1.42283	109.90000	180.00000	8.08600	179.86000
1.248	-6.070	.01436	404.59100	1.95360	370.88700	958.60000	1.42246	110.20000	180.00000	6.20400	179.86000
1.251	-4.042	.00905	404.88800	1.95320	369.30000	958.50000	1.42409	110.20000	180.00000	4.21500	179.86000
1.251	-2.065	.00408	404.45300	1.95185	369.20600	957.60000	1.42383	110.10000	180.00000	2.27500	179.86000
1.251	-.022	-.00150	404.06800	1.95024	369.11000	956.80000	1.42361	110.10000	180.00000	.27100	179.86000
1.249	1.921	-.00648	403.36500	1.94769	369.31500	955.50000	1.42285	110.10000	180.00000	-1.63700	179.86000
1.252	3.965	-.01178	404.17600	1.95063	368.61400	956.80000	1.42413	110.00000	180.00000	-3.64500	179.86000
1.249	5.928	-.01761	404.90300	1.95547	371.08200	959.30000	1.42254	110.10000	180.00000	-5.57200	179.86000
1.252	7.928	-.02333	405.14900	1.95441	369.49600	959.10000	1.42414	110.20000	180.00000	-7.53500	179.86000
	GRADIENT	-.00261	-.12503	-.00046	-.06348	-.27402	-.00004	-.02002	.00000	-.98156	.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (B4R012) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.952 BETA = .000
PHI = 180.000

RUN NO. 266/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.249	-7.989	.01895	1.38220	1.01244	1.30546	1.07316	1.07979	-.29302	-.00663	-.28865	-.00308
1.248	-6.070	.01436	1.39618	1.04983	1.27719	1.11240	1.11620	-.22751	-.00380	-.22285	-.00073
1.251	-4.042	.00905	1.40925	1.09123	1.24892	1.14388	1.14774	-.15769	-.00385	-.15358	-.00091
1.251	-2.065	.00408	1.41098	1.12984	1.21531	1.16241	1.16642	-.08546	-.00401	-.08155	-.00131
1.251	-.022	-.00150	1.40660	1.16300	1.17833	1.16462	1.17205	-.01533	-.00743	-.01197	-.00465
1.249	1.921	-.00648	1.40722	1.19537	1.14533	1.15786	1.16863	.05004	-.01077	.05282	-.00864
1.252	3.965	-.01178	1.40371	1.22842	1.10560	1.13731	1.15222	.12283	-.01490	.12562	-.01223
1.249	5.928	-.01761	1.39056	1.25721	1.06677	1.10617	1.12623	.19043	-.02006	.19270	-.01750
1.252	7.928	-.02333	1.37511	1.28796	1.02739	1.06170	1.09291	.26057	-.03121	.26266	-.02840
	GRADIENT	-.00261	-.00074	.01699	-.01783	-.00089	.00055	.03483	-.00144	.03464	-.00150

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (C4R012) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.952 BETA = .000
PHI = 180.000

RUN NO. 266/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.249	-7.989	.01895	1.15676	1.07470	1.11573	.03452	.00158
1.248	-6.070	.01436	1.16111	1.11277	1.13694	.03382	.00051
1.251	-4.042	.00905	1.16802	1.14433	1.15618	.03555	-.00014
1.251	-2.065	.00408	1.17061	1.16306	1.16684	.03577	-.00081
1.251	-.022	-.00150	1.16898	1.16695	1.16797	.03294	-.00210
1.249	1.921	-.00648	1.16896	1.16218	1.16557	.03467	-.00188
1.252	3.965	-.01178	1.16561	1.14342	1.15452	.03508	-.00184
1.249	5.928	-.01761	1.16086	1.11492	1.13789	.03425	-.00410
1.252	7.928	-.02333	1.15663	1.07590	1.11626	.03535	-.00613
	GRADIENT	-.00261	-.00033	-.00014	-.00023	-.00010	-.00022

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R013) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.951 BETA = .000
PHI = 180.000

RUN NO. 267/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-7.927	.01322	405.58600	1.95804	370.97600	960.60000	1.42319	110.10000	180.00000	-7.53400	-.04000
1.250	-4.043	.00412	403.19000	1.94597	368.72300	954.90000	1.42324	110.20000	180.00000	-3.72300	.02000
1.248	-.036	.00323	403.45100	1.94810	370.30400	956.10000	1.42205	110.30000	180.00000	.21000	.02000
	GRADIENT	-.00022	.06513	.00053	.39456	.29947	-.00030	.02496	.00000	.98152	-.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (B4R013) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.951 BETA = .000
PHI = 180.000

RUN NO. 267/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.250	-7.927	.01322	1.38255	1.01560	1.30267	1.07899	1.08229	-.28708	-.00330	-.28284	-.00044
1.250	-4.043	.00412	1.40620	1.09261	1.24401	1.13827	1.15274	-.15140	-.01447	-.14761	-.01139
1.248	-.036	.00323	1.41198	1.17020	1.18285	1.16395	1.18455	-.01265	-.02060	-.00921	-.01783
	GRADIENT	-.00022	.00144	.01936	-.01526	.00641	.00794	.03463	-.00153	.03454	-.00161

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (C4R013) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.951 BETA = .000
PHI = 180.000

RUN NO. 267/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.250	-7.927	.01322	1.15702	1.07921	1.11812	.03489	-.00312
1.250	-4.043	.00412	1.16642	1.14397	1.15519	.03468	-.00222
1.248	-.036	.00323	1.17480	1.17287	1.17383	.03447	-.00130
	GRADIENT	-.00022	.00209	.00721	.00465	-.00005	.00023

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R014) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.023 BETA = .000
PHI = .000

RUN NO. 82/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.401	.029	-.00286	84.38740	1.02282	750.97100	838.80000	1.04076	70.10000	.00000	.29100	.00000
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (B4R014) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.023 BETA = .000
PHI = .000

RUN NO. 82/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.401	.029	-.00286	1.02333	.77939	.77901	.76533	.78046	.00039	-.01507	-.03577	-.03243
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (C4R014) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.023 BETA = .000
PHI = .000

RUN NO. 82/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.401	.029	-.00286	.79728	.78160	.78944	.00000	.00000
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R015) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.001 BETA = .000
PHI = .000

RUN NO. 86/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.399	-.012	.00474	84.12780	1.00148	755.17100	842.70000	1.04041	79.30000	.00000	.29300	.02000
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (B4R015) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.001 BETA = .000
PHI = .000

RUN NO. 86/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.399	-.012	.00474	1.02310	.78039	.77712	.76738	.78272	.00328	-.01535	-.04217	-.03428
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (C4R015) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.001 BETA = .000
PHI = .000

RUN NO. 86/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.399	-.012	.00474	.80148	.78451	.79300	-.00000	-.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK +90 W/O FRNG,LOUVR FILL (A4R016) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.226 ALPHA = .000
PHI = 90.000

RUN NO. 89/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-8.386	-.07000	319.35500	2.47281	1271.97000	1621.00000	1.09292	110.70000	90.00000	-7.93000	90.01000
.601	-6.450	-.07185	321.13500	2.47964	1271.13000	1622.30000	1.09353	110.80000	90.00000	-6.01300	90.01000
.600	-4.432	-.07353	320.46400	2.47710	1271.75000	1622.10001	1.09326	110.80000	90.00000	-4.01800	90.01000
.601	-2.388	-.07433	321.21600	2.48095	1270.92999	1622.20000	1.09356	110.60000	90.00000	-2.00200	90.01000
.599	-.349	-.07628	319.77200	2.47429	1271.46001	1621.00000	1.09309	110.70000	90.00000	.00500	90.01000
.600	1.673	-.07983	319.92900	2.47507	1270.86000	1620.60001	1.09318	110.60000	90.00000	1.98800	90.01000
.600	3.654	-.08320	320.00800	2.47408	1270.56000	1620.39999	1.09322	110.80000	90.00000	3.93200	90.03000
.599	5.734	-.08379	319.50100	2.47314	1270.87000	1620.10001	1.09305	110.60000	90.00000	5.97500	90.03000
.600	7.767	-.08463	320.10500	2.47492	1271.06000	1621.00000	1.09320	110.80000	90.00000	7.97200	90.03000
	GRADIENT	-.00123	-.10892	-.00059	-.12099	-.24730	-.00002	-.00015	.00000	.98309	.00197

IA132(AEDC TF-505) TANK +90 W/O FRNG,LOUVR FILL (A4R016) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.226 ALPHA = .000
PHI = 90.000

RUN NO. 104/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.248	-8.452	.02027	403.47300	1.94675	370.20500	956.10000	1.42215	110.60000	90.00000	-7.91200	90.07000
1.251	-6.638	.02287	404.81500	1.95075	369.40000	958.40000	1.42395	110.70000	90.00000	-6.14100	90.07000
1.251	-4.476	.02773	405.30200	1.95390	370.18700	959.70000	1.42365	110.60000	90.00000	-4.03200	90.07000
1.251	-2.377	.02923	404.12500	1.94863	368.61500	956.70000	1.42409	110.40000	90.00000	-1.98500	90.07000
1.251	-.346	.02693	403.86400	1.94517	368.41900	956.10000	1.42405	110.90000	90.00000	-.00500	90.07000
1.252	1.715	.02213	404.05200	1.94551	368.02100	956.30000	1.42455	110.90000	90.00000	2.00500	90.07000
1.250	3.679	.02027	403.55300	1.94489	368.91700	955.70000	1.42336	110.80000	90.00000	3.92000	90.07000
1.247	5.775	.02032	402.90600	1.94478	370.01300	954.90000	1.42187	110.50000	90.00000	5.96500	90.07000
1.250	7.881	.01920	404.38100	1.94875	369.99800	957.80000	1.42307	110.90000	90.00000	8.02000	90.07000
	GRADIENT	-.00108	-.17560	-.00104	-.15579	-.41378	-.00000	.04416	.00000	.97509	.00000

IA132(AEDC TF-505) TANK +90 W/O FRNG,LOUVR FILL (B4R016) (18 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.226 ALPHA = .000
PHI = 90.000

RUN NO. 89/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-8.386	-.07000	1.04838	.68663	.71841	.62681	.98628	-.03178	-.35948	-.03466	-.36231
.601	-6.450	-.07185	1.07376	.74526	.76805	.67888	.95364	-.02279	-.27476	-.02537	-.27743
.600	-4.432	-.07353	1.08740	.79193	.80782	.73183	.92145	-.01589	-.18961	-.01813	-.19283
.601	-2.388	-.07433	1.08844	.81945	.83017	.77688	.88210	-.01073	-.10522	-.01321	-.10788
.599	-.349	-.07628	1.09187	.83342	.83942	.82194	.84423	-.00600	-.02229	-.00992	-.02457
.600	1.673	-.07983	1.08976	.82693	.82887	.86163	.80195	-.00195	.05969	-.00601	.05619
.600	3.654	-.08320	1.08239	.80107	.80264	.89984	.75512	-.00157	.14472	-.00520	.14165
.599	5.734	-.08379	1.06530	.75998	.76154	.93713	.70566	-.00156	.23147	-.00598	.22754
.600	7.767	-.08463	1.03058	.70010	.70403	.96790	.65357	-.00393	.31433	-.00749	.31098
	GRADIENT	-.00123	-.00042	.00131	-.00055	.02080	-.02040	.00185	.04120	.00164	.04117

IA132(AEDC TF-505) TANK +90 W/O FRNG,LOUVR FILL (B4R016) (18 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.226 ALPHA = .000
PHI = 90.000

RUN NO. 104/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.248	-8.452	.02027	1.38672	1.06165	1.08051	.99818	1.29677	-.01886	-.29859	-.01886	-.29538
1.251	-6.638	.02287	1.40178	1.10007	1.11305	1.03347	1.26973	-.01297	-.23626	-.01174	-.23294
1.251	-4.476	.02773	1.41539	1.13873	1.14338	1.07791	1.24071	-.00465	-.16280	-.00587	-.15888
1.251	-2.377	.02923	1.41726	1.15926	1.16111	1.11679	1.20607	-.00186	-.08928	-.00216	-.08546
1.251	-.346	.02693	1.41535	1.16655	1.16576	1.15131	1.17117	.00079	-.01986	.00062	-.01617
1.252	1.715	.02213	1.41563	1.16417	1.15908	1.18679	1.13636	.00508	.05044	.00439	.05294
1.250	3.679	.02027	1.41269	1.14962	1.14199	1.22046	1.10002	.00763	.12045	.00794	.12343
1.247	5.775	.02032	1.39492	1.11812	1.10936	1.24999	1.05730	.00876	.19268	.00911	.19554
1.250	7.881	.01920	1.37457	1.07903	1.07060	1.28247	1.01697	.00843	.26550	.00812	.26861
	GRADIENT	-.00108	-.00034	.00134	-.00020	.01741	-.01720	.00154	.03461	.00167	.03446

IA132(AEDC TF-505) TANK +90 W/O FRNG,LOUVR FILL (C4R016) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.226 ALPHA = .000
PHI = 90.000

RUN NO. 89/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-8.386	-.07000	.70396	.80796	.75596	.00505	.04434
.601	-6.450	-.07185	.75794	.81760	.78777	.00429	.04287
.600	-4.432	-.07353	.80099	.82825	.81462	.00298	.04152
.601	-2.388	-.07433	.82605	.83082	.82844	.00180	.04150
.599	-.349	-.07628	.83838	.83423	.83630	.00188	.03979
.600	1.673	-.07983	.82993	.83354	.83173	.00132	.04170
.600	3.654	-.08320	.80367	.82901	.81634	-.00015	.04273
.599	5.734	-.08379	.76297	.82336	.79316	-.00060	.04077
.600	7.767	-.08463	.70384	.81241	.75812	-.00082	.04119
	GRADIENT	-.00123	.00049	.00021	.00035	-.00033	.00013

IA132(AEDC TF-505) TANK +90 W/O FRNG,LOUVR FILL (C4R016) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.226 ALPHA = .000
PHI = 90.000

RUN NO. 104/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.248	-8.452	.02027	1.07108	1.14587	1.10847	.00417	.03450
1.251	-6.638	.02287	1.10594	1.14994	1.12794	.00344	.03423
1.251	-4.476	.02773	1.14167	1.15735	1.14951	.00214	.03467
1.251	-2.377	.02923	1.16034	1.15952	1.15993	.00143	.03482
1.251	-.346	.02693	1.16624	1.15940	1.16282	.00153	.03331
1.252	1.715	.02213	1.16198	1.16032	1.16115	.00202	.03491
1.250	3.679	.02027	1.14565	1.15874	1.15220	.00131	.03547
1.247	5.775	.02032	1.11357	1.15222	1.13289	-.00010	.03422
1.250	7.881	.01920	1.07497	1.14816	1.11157	-.00065	.03494
	GRADIENT	-.00108	.00050	.00018	.00034	-.00005	.00008

IA132(AEDC TF-505) TANK +90 W/O FRNG,LOUVR FILL (A4R017) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.481 ALPHA = .000
PHI = 90.000

RUN NO. 217/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-8.436	.00750	320.23800	2.47989	1273.05000	1623.10001	1.09309	110.30000	90.00000	-8.01000	90.06000
.600	-6.351	.00489	320.57300	2.48116	1272.74001	1623.20000	1.09323	110.30000	90.00000	-5.95200	90.06000
.601	-4.396	.00297	321.42300	2.48420	1272.42000	1623.89999	1.09351	110.40000	90.00000	-4.02300	90.06000
.601	-2.326	.00165	321.33000	2.48354	1272.13000	1623.50000	1.09349	110.40000	90.00000	-1.98200	90.06000
.600	-.324	-.00098	321.08000	2.48266	1272.42999	1623.50000	1.09340	110.40000	90.00000	-.00900	90.06000
.600	1.738	.00022	320.48100	2.47995	1272.45000	1622.80000	1.09320	110.40000	90.00000	2.02100	90.06000
.599	3.734	-.00156	319.63300	2.47590	1272.86000	1622.20000	1.09291	110.50000	90.00000	3.98900	90.06000
.600	5.772	-.00393	320.40000	2.47975	1272.64999	1622.89999	1.09316	110.40000	90.00000	6.00000	90.06000
.599	7.795	-.00701	320.05700	2.47820	1272.64999	1622.50000	1.09309	110.40000	90.00000	7.99600	90.07000
	GRADIENT	-.00051	-.21766	-.00099	.05874	-.20173	-.00007	.00980	.00000	.98542	-.00000

IA132(AEDC TF-505) TANK +90 W/O FRNG,LOUVR FILL (B4R017) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.481 ALPHA = .000
PHI = 90.000

RUN NO. 217/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-8.436	.00750	1.04520	.67713	.72065	.62402	.97702	-.04352	-.35300	-.02645	-.35911
.600	-6.351	.00489	1.07516	.74262	.77628	.68073	.94696	-.03346	-.26622	-.01707	-.27240
.601	-4.396	.00297	1.08636	.78582	.81260	.73054	.91242	-.02677	-.18188	-.01040	-.18806
.601	-2.326	.00165	1.09090	.81550	.83624	.77695	.87605	-.02074	-.09911	-.00463	-.10529
.600	-.324	-.00098	1.09126	.82779	.84364	.82006	.83662	-.01585	-.01656	.00028	-.02273
.600	1.738	.00022	1.09074	.82506	.83283	.86158	.79432	-.00777	.06727	.00647	.05976
.599	3.734	-.00156	1.08647	.80447	.80848	.90228	.74923	-.00401	.15304	.01072	.14601
.600	5.772	-.00393	1.06501	.76325	.76591	.93469	.69892	-.00266	.23577	.01191	.22855
.599	7.795	-.00701	1.03488	.70839	.71173	.96970	.65094	-.00333	.31877	.01188	.31179
	GRADIENT	-.00051	.00001	.00232	-.00056	.02107	-.02008	.00288	.04114	.00262	.04099

IA132(AEDC TF-505) TANK +90 W/O FRNG,LOUVR FILL (C4R017) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.481 ALPHA = .000
PHI = 90.000

RUN NO. 217/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-8.436	.00750	.69036	.80358	.74697	.00477	.04091
.600	-6.351	.00489	.75135	.81692	.78414	.00397	.04297
.601	-4.396	.00297	.79102	.82457	.80780	.00304	.04154
.601	-2.326	.00165	.81781	.82959	.82370	.00248	.04045
.600	-.324	-.00098	.82765	.83142	.82954	.00276	.04039
.600	1.738	.00022	.82182	.83170	.82676	.00283	.04178
.599	3.734	-.00156	.79911	.82927	.81419	.00130	.04229
.600	5.772	-.00393	.75729	.82041	.78885	.00012	.04026
.599	7.795	-.00701	.70245	.81381	.75813	-.00008	.04158
	GRADIENT	-.00051	.00131	.00057	.00079	-.00015	.00014

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (A4R018) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.212 ALPHA = .000
PHI = -90.000

RUN NO. 90/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI'	THETA!	PHI!
.600	-7.782	-.08176	320.47100	2.47738	1272.05000	1622.39999	1.09323	110.80000	-90.00000	7.99100	-90.03000
.601	-5.775	-.08206	321.87200	2.48473	1273.31000	1625.30000	1.09357	110.80000	-90.00000	6.02100	-90.03000
.600	-3.672	-.08245	321.04300	2.48197	1274.53000	1625.50000	1.09322	110.80000	-90.00000	3.95600	-90.03000
.600	-1.693	-.08205	321.03900	2.48234	1274.33000	1625.30000	1.09320	110.70000	-90.00000	2.01200	-90.03000
.600	.344	-.08302	320.65400	2.47860	1272.53999	1623.10001	1.09327	110.80000	-90.00000	.01100	-90.03000
.599	2.383	-.08307	319.58200	2.47334	1270.67000	1620.00000	1.09308	110.60000	-90.00000	-1.99800	-90.03000
.600	4.392	-.08357	320.21900	2.47695	1272.25000	1622.30000	1.09316	110.70000	-90.00000	-3.97900	-90.03000
.600	6.411	-.08323	319.94300	2.47208	1267.77000	1617.60001	1.09341	110.70000	-90.00000	-5.97200	-90.04000
.600	8.497	-.08373	318.51000	2.46345	1265.11000	1613.30000	1.09318	110.70000	-90.00000	-8.03400	-90.04000
	GRADIENT	-.00016	-.15404	-.00094	-.40754	-.58019	-.00001	-.01485	.00000	-.98398	-.00000

RUN NO. 105/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETA!	PHI!
1.250	-7.904	.01593	403.88000	1.94676	369.50800	956.60000	1.42310	110.80000	-90.00000	8.01500	-90.04000
1.248	-5.846	.01593	403.05200	1.94426	369.81300	955.10000	1.42216	110.70000	-90.00000	6.00800	-90.04000
1.250	-3.759	.01641	403.67000	1.94574	369.31200	956.10000	1.42310	110.80000	-90.00000	3.97200	-90.04000
1.250	-1.766	.01955	403.86500	1.94676	369.11200	956.40000	1.42344	110.70000	-90.00000	2.02800	-90.03000
1.250	.317	.02216	404.15600	1.94684	369.40600	957.10000	1.42341	111.00000	-90.00000	-.00500	-90.02000
1.251	2.350	.02276	404.61300	1.94952	369.40200	958.00000	1.42378	110.80000	-90.00000	-1.98700	-90.02000
1.253	4.447	.02383	405.01600	1.95042	368.70500	958.50000	1.42473	110.80000	-90.00000	-4.03300	-90.02000
1.251	6.432	.02422	404.83100	1.95211	369.79600	958.60000	1.42361	110.50000	-90.00000	-5.96800	-90.02000
1.252	8.476	.02116	405.15500	1.95170	369.00100	958.90000	1.42458	110.70000	-90.00000	-7.96000	-90.02000
	GRADIENT	.00088	.16771	.00059	-.04525	.31193	.00018	.00494	.00000	-.97550	.00243

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (B4R018) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.212 ALPHA = .000
PHI = -90.000

RUN NO. 90/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.600	-7.782	-.08176	1.05328	.70426	.72043	.63638	.98003	-.01618	-.34366	-.01718	-.34654
.601	-5.775	-.08206	1.07471	.75651	.77053	.68647	.94735	-.01400	-.26088	-.01589	-.26381
.600	-3.672	-.08245	1.08787	.79942	.81166	.74082	.91364	-.01224	-.17282	-.01391	-.17615
.600	-1.693	-.08205	1.08926	.82385	.83292	.78539	.87567	-.00906	-.09028	-.01172	-.09309
.600	.344	-.08302	1.08835	.83186	.83492	.82694	.83432	-.00306	-.00738	-.00666	-.00992
.599	2.383	-.08307	1.08539	.82121	.82257	.86666	.79075	-.00136	.07591	-.00427	.07180
.600	4.392	-.08357	1.08664	.80090	.79970	.91250	.75060	.00121	.16190	-.00221	.15851
.600	6.411	-.08323	1.06403	.75663	.75071	.94637	.69832	.00592	.24805	.00226	.24484
.600	8.497	-.08373	1.02288	.69444	.68363	.97696	.64271	.01081	.33425	.00671	.33086
	GRADIENT	-.00016	-.00031	.00000	-.00171	.02101	-.02034	.00171	.04136	.00153	.04129

RUN NO. 105/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.250	-7.904	.01593	1.38594	1.06908	1.08443	1.00223	1.28854	-.01534	-.28629	-.01500	-.28241
1.248	-5.846	.01593	1.40475	1.10879	1.12458	1.04510	1.26303	-.01579	-.21793	-.01448	-.21413
1.250	-3.759	.01641	1.41605	1.13986	1.15296	1.08628	1.23323	-.01310	-.14695	-.01249	-.14287
1.250	-1.766	.01955	1.41630	1.15713	1.16660	1.12282	1.19926	-.00948	-.07644	-.00899	-.07224
1.250	.317	.02216	1.41467	1.16234	1.16857	1.15804	1.16392	-.00623	-.00588	-.00643	-.00287
1.251	2.350	.02276	1.41746	1.15842	1.16170	1.19454	1.13047	-.00328	.06408	-.00380	.06707
1.253	4.447	.02383	1.41042	1.13766	1.13997	1.22847	1.08873	-.00232	.13973	-.00190	.14301
1.251	6.432	.02422	1.39706	1.11050	1.10788	1.26033	1.05094	.00262	.20939	.00275	.21233
1.252	8.476	.02116	1.37162	1.06939	1.06147	1.28853	1.00860	.00792	.27993	.00752	.28371
	GRADIENT	.00088	-.00050	-.00018	-.00153	.01734	-.01743	.00135	.03478	.00128	.03464

IA132(AEDC TF-505) TANK -90 W/O FRNG.LOUVR FILL (C4R01B) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.212 ALPHA = .000
PHI = -90.000

RUN NO. 90/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.600	-7.782	-.08176	.71285	.80965	.76125	.00055	.04115
.601	-5.775	-.08206	.76448	.81838	.79143	.00084	.04141
.600	-3.672	-.08245	.80637	.82890	.81763	.00083	.04198
.600	-1.693	-.08205	.82971	.83194	.83083	.00196	.04163
.600	.344	-.08302	.83519	.83190	.83354	.00207	.03988
.599	2.383	-.08307	.82335	.83076	.82705	.00071	.04158
.600	4.392	-.08357	.80201	.83324	.81762	.00167	.04358
.600	6.411	-.08323	.75550	.82395	.78973	.00234	.04189
.600	8.497	-.08373	.69109	.81153	.75131	.00203	.04092
	GRADIENT	-.00016	-.00076	.00037	-.00020	.00002	.00016

RUN NO. 105/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.250	-7.904	.01593	1.07658	1.14345	1.11002	.00013	.03306
1.248	-5.846	.01593	1.11603	1.15217	1.13410	.00049	.03341
1.250	-3.759	.01641	1.14611	1.15771	1.15191	.00153	.03524
1.250	-1.766	.01955	1.16162	1.15894	1.16028	.00154	.03446
1.250	.317	.02216	1.16556	1.15947	1.16251	.00127	.03325
1.251	2.350	.02276	1.16032	1.16101	1.16066	.00094	.03571
1.253	4.447	.02383	1.13861	1.15696	1.14779	.00158	.03573
1.251	6.432	.02422	1.10912	1.15417	1.13164	.00256	.03469
1.252	8.476	.02116	1.06563	1.14667	1.10615	.00222	.03503
	GRADIENT	.00088	-.00082	.00002	-.00040	-.00002	.00011

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (A4R019) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.480 ALPHA = .000
PHI = -90.000

RUN NO. 218/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-7.802	-.00612	320.61700	2.48179	1274.64000	1625.10001	1.09308	110.50000	-90.00000	8.00400	-90.05000
.800	-5.775	-.00492	320.59900	2.48108	1273.84000	1624.30000	1.09314	110.50000	-90.00000	6.00400	-90.05000
.599	-3.738	-.00270	319.73700	2.47701	1273.66000	1623.10001	1.09290	110.50000	-90.00000	3.99500	-90.05000
.599	-1.712	-.00058	320.15200	2.47840	1273.05000	1623.00000	1.09304	110.50000	-90.00000	1.99800	-90.05000
.600	.325	.00028	320.92500	2.48197	1273.13000	1624.00000	1.09331	110.50000	-90.00000	-.00800	-90.05000
.600	2.317	.00349	320.99700	2.48181	1272.53000	1623.50000	1.09337	110.50000	-90.00000	-1.97000	-90.05000
.600	4.385	.00543	320.57100	2.47997	1272.64000	1623.10001	1.09324	110.50000	-90.00000	-4.01000	-90.05000
.600	6.370	.00801	320.30900	2.47918	1272.45000	1622.60001	1.09316	110.40000	-90.00000	-5.96800	-90.05000
.600	8.425	.01070	320.22800	2.47842	1272.64999	1622.70000	1.09313	110.50000	-90.00000	-7.99700	-90.05000
	GRADIENT	.00100	.12371	.00046	-.12603	.02461	.00005	.00000	-.00000	-.98533	-.00000

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (B4R019) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.480 ALPHA = .000
PHI = -90.000

RUN NO. 218/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-7.802	-.00612	1.05140	.69918	.72426	.63512	.97246	-.02509	-.33733	-.00687	-.34165
.600	-5.775	-.00492	1.07666	.75520	.77866	.68902	.94252	-.02346	-.25350	-.00581	-.25753
.599	-3.738	-.00270	1.09166	.79806	.81921	.74200	.91111	-.02115	-.16911	-.00376	-.17302
.599	-1.712	-.00058	1.09421	.82296	.84011	.78718	.87301	-.01715	-.08583	-.00002	-.09001
.600	.325	.00028	1.09147	.82994	.84231	.82711	.83139	-.01237	-.00427	.00276	-.00833
.600	2.317	.00349	1.08887	.82070	.82962	.86728	.78690	-.00891	.08038	.00637	.07484
.600	4.385	.00543	1.08052	.79589	.79992	.90586	.74002	-.00403	.16584	.01138	.16068
.600	6.370	.00801	1.06057	.75716	.75395	.94162	.69111	.00322	.25051	.01871	.24538
.600	8.425	.01070	1.02425	.70042	.69050	.97305	.64095	.00991	.33210	.02621	.32639
	GRADIENT	.00100	-.00136	-.00033	-.00243	.02011	-.02113	.00210	.04124	.00181	.04105

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (C4R019) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.480 ALPHA = .000
PHI = -90.000

RUN NO. 218/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-7.802	-.00612	.70261	.80595	.75428	.00047	.04148
.600	-5.775	-.00492	.75810	.81779	.78795	.00064	.04152
.599	-3.738	-.00270	.79994	.82851	.81423	.00157	.04142
.599	-1.712	-.00058	.82297	.83219	.82758	.00165	.04022
.600	.325	.00028	.82856	.83128	.82992	.00147	.04094
.600	2.317	.00349	.81752	.82986	.82369	.00203	.04161
.600	4.385	.00543	.79020	.82552	.80786	.00313	.04240
.600	6.370	.00801	.74781	.81893	.78337	.00384	.04139
.600	8.425	.01070	.68732	.80985	.74858	.00356	.03844
	GRADIENT	.00100	-.00124	-.00041	-.00082	.00017	.00017

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (A4R020) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.479 ALPHA = .000
PHI = -90.000

RUN NO. 219/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETA!	PHI!
.600	-7.797	-.00681	321.30800	2.48395	1274.82001	1626.10001	1.09325	110.70000	-90.00000	8.00000	-90.05000
.600	-5.777	-.00513	321.36000	2.48362	1273.42000	1624.80000	1.09342	110.60000	-90.00000	6.00800	-90.05000
.601	-3.749	-.00318	321.76000	2.48390	1272.22000	1624.10001	1.09361	110.70000	-90.00000	4.00800	-90.05000
.600	-1.710	-.00085	320.73500	2.47936	1272.34000	1623.00000	1.09330	110.70000	-90.00000	1.99900	-90.05000
.599	.324	.00112	319.77000	2.47531	1271.36000	1620.89999	1.09310	110.50000	-90.00000	-.00400	-90.05000
.600	2.346	.00452	319.92700	2.47443	1270.75999	1620.50000	1.09319	110.70000	-90.00000	-1.99700	-90.05000
.599	4.391	.00634	319.49000	2.47268	1270.37000	1619.60001	1.09309	110.60000	-90.00000	-4.01400	-90.05000
.600	6.413	.00806	320.96300	2.48176	1274.73000	1625.60001	1.09318	110.80000	-90.00000	-6.01000	-90.05000
.600	6.840	.00894	320.68700	2.48043	1273.94000	1624.50000	1.09315	110.70000	-90.00000	-6.43700	-90.05000
.599	8.418	.01023	320.18900	2.47820	1274.64999	1624.60001	1.09295	110.80000	-90.00000	-7.99000	-90.05000
	GRADIENT	.00120	-.26306	-.00135	-.25958	-.56554	-.00006	-.00986	.00000	-.98544	-.00000

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (B4R020) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.479 ALPHA = .000
PHI = -90.000

RUN NO. 219/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.600	-7.797	-.00681	1.05077	.69816	.72405	.63471	.97241	-.02589	-.33771	-.00754	-.34189
.600	-5.777	-.00513	1.07683	.75525	.77895	.68923	.94288	-.02359	-.25365	-.00596	-.25774
.601	-3.749	-.00318	1.08759	.79419	.81696	.73887	.90859	-.02277	-.16972	-.00452	-.17360
.600	-1.710	-.00085	1.09163	.82120	.83809	.78527	.87201	-.01689	-.08674	.00026	-.09072
.599	.324	.00112	1.09405	.83181	.84473	.82987	.83301	-.01292	-.00314	.00315	-.00695
.600	2.346	.00452	1.09178	.82409	.83055	.86996	.78962	-.00647	.08034	.00933	.07531
.599	4.391	.00634	1.08250	.79731	.80096	.90908	.74187	-.00365	.16721	.01240	.16264
.600	6.413	.00806	1.06005	.75642	.75335	.94195	.69167	.00308	.25027	.01869	.24610
.600	6.840	.00894	1.05968	.75719	.75327	.94106	.69179	.00392	.24928	.01993	.24484
.599	8.418	.01023	1.02659	.70198	.69321	.97472	.64360	.00877	.33113	.02535	.32668
	GRADIENT	.00120	-.00049	.00045	-.00194	.02090	-.02045	.00239	.04135	.00211	.04123

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (C4R020) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.479 ALPHA = .000
PHI = -90.000

RUN NO. 219/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.600	-7.797	-.00681	.70193	.80565	.75379	.00095	.04164
.600	-5.777	-.00513	.75833	.81810	.78822	.00045	.04169
.601	-3.749	-.00318	.79645	.82567	.81106	.00172	.04099
.600	-1.710	-.00085	.82107	.83063	.82585	.00181	.04076
.599	.324	.00112	.83024	.83335	.83179	.00233	.04148
.600	2.346	.00452	.81942	.83230	.82586	.00231	.03888
.599	4.391	.00634	.79111	.82776	.80944	.00214	.05320
.600	6.413	.00806	.74708	.81890	.78299	.00300	.00050
.600	6.840	.00894	.74723	.81864	.78294	.00294	.00487
.599	8.418	.01023	.68931	.81138	.75035	.00368	.07535
	GRADIENT	.00120	-.00061	.00029	-.00016	.00007	.00111

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R021) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.826 BETA = .000
PHI = .000

RUN NO. 117/ 0 RN/L = 3.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.601	-8.488	-.03730	494.77200	3.82579	1957.74001	2498.79999	1.09353	110.10000	.00000	-8.00200	.01000
.601	-6.443	-.03852	494.90300	3.82693	1959.53000	2500.70001	1.09347	110.20000	.00000	-5.99100	.01000
.599	-4.427	-.03963	493.51700	3.82570	1962.55000	2502.00000	1.09305	109.90000	.00000	-4.01100	.01000
.599	-2.359	-.04179	492.92100	3.82488	1962.77000	2501.50000	1.09291	109.70000	.00000	-1.98200	.01000
.600	-.310	-.04042	494.01700	3.82390	1958.46001	2498.60001	1.09334	110.00000	.00000	.02400	.02000
.600	1.744	-.04360	494.32700	3.82775	1960.53999	2501.00000	1.09330	109.90000	.00000	2.03400	.02000
.600	3.764	-.04541	493.95400	3.82792	1962.84000	2502.79999	1.09314	109.90000	.00000	4.01200	.02000
	GRADIENT	-.00065	.11139	.00036	-.08197	.05241	.00003	.00975	.00000	.97940	.00147

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (B4R021) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.826 BETA = .000
PHI = .000

RUN NO. 117/ 0 RN/L = 3.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.601	-8.488	-.03730	1.03957	.63260	.97039	.68412	.68126	-.33779	.00285	-.33752	.00778
.601	-6.443	-.03852	1.07057	.68827	.94276	.74518	.74560	-.25449	-.00042	-.25367	.00486
.599	-4.427	-.03963	1.08300	.73741	.90925	.78572	.79118	-.17184	-.00547	-.17119	-.00026
.599	-2.359	-.04179	1.08914	.78679	.87201	.81249	.82140	-.08522	-.00890	-.08467	-.00387
.600	-.310	-.04042	1.08521	.82655	.82825	.81604	.82899	-.00171	-.01295	-.00176	-.00702
.600	1.744	-.04360	1.08610	.87150	.78473	.80674	.82493	.08678	-.01819	.08601	-.01243
.600	3.764	-.04541	1.08002	.90888	.73955	.77922	.80207	.16933	-.02285	.16952	-.01724
	GRADIENT	-.00065	-.00044	.02088	-.02083	-.00090	.00125	.04171	-.00215	.04160	-.00208

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (C4R021) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.826 BETA = .000
PHI = .000

RUN NO. 117/ 0 RN/L = 3.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.601	-8.488	-.03730	.80136	.68023	.74079	.04113	-.00108
.601	-6.443	-.03852	.81511	.74275	.77893	.04074	-.00212
.599	-4.427	-.03963	.82300	.78584	.80442	.04165	-.00235
.599	-2.359	-.04179	.82912	.81443	.82177	.04093	-.00134
.600	-.310	-.04042	.82743	.81954	.82349	.04154	-.00212
.600	1.744	-.04360	.82850	.81296	.82073	.04247	-.00267
.600	3.764	-.04541	.82412	.78784	.80598	.04079	-.00224
	GRADIENT	-.00065	.00008	.00014	.00011	-.00001	-.00005

IA132(AEDC TF-505) TANK W/O FRNG, LOUVR FILL (A4R222) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.229 ALPHA = .000
BETA = .000

RUN NO. 91/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
.600	-179.960	.00000	320.95100	2.48630	1274.23000	1625.10001	1.09322	109.90000	-.06960	.29200	-179.96000
.600	-135.000	.00000	320.20000	2.48120	1271.45000	1621.50000	1.09319	109.80000	-.06598	.29300	-135.00000
.600	-90.010	.00000	320.56200	2.48293	1272.24001	1622.70000	1.09327	109.90000	-.06255	.29300	-90.01000
.599	-45.030	.00000	319.89500	2.48056	1273.06000	1622.70000	1.09298	109.90000	-.06325	.29400	-45.03000
.600	.040	.00000	320.31900	2.48231	1272.85001	1623.00000	1.09313	109.90000	-.06308	.29400	.04000
.600	45.040	.00000	320.59200	2.48356	1273.53999	1624.00000	1.09317	110.00000	-.06102	.29400	45.04000
.600	90.060	.00000	320.67800	2.48339	1273.53999	1624.10001	1.09318	110.10000	-.05805	.29400	90.06000
.600	135.080	.00000	320.50600	2.48151	1273.53999	1623.89999	1.09315	110.30000	-.05805	.29300	135.08000
.600	179.900	.00000	320.71200	2.48122	1271.34000	1622.00000	1.09338	110.20000	-.05584	.29300	179.90000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 106/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.248	-179.990	.00000	403.24000	1.94529	370.10800	955.60000	1.42206	110.70000	.02160	.29100	-179.99000
1.250	-135.030	.00000	403.24900	1.94460	368.92000	955.10000	1.42311	110.60000	.01570	.29200	-135.03000
1.249	-90.050	.00000	404.99100	1.95317	370.68500	959.30000	1.42296	110.60000	.01695	.29200	-90.05000
1.250	-45.040	.00000	404.54800	1.94911	369.69900	958.00000	1.42347	110.90000	.01215	.29100	-45.04000
1.250	.080	.00000	404.41700	1.94850	369.60200	957.70000	1.42345	110.90000	.01082	.29200	.08000
1.250	45.050	.00000	404.19200	1.94817	369.70300	957.30000	1.42318	110.80000	.01110	.29100	45.05000
1.250	90.010	.00000	404.15600	1.94774	369.40600	957.10000	1.42341	110.80000	.01502	.29200	90.01000
1.250	135.030	.00000	403.69100	1.94707	369.21300	956.10000	1.42321	110.50000	.01755	.29000	135.03000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK W/O FRNG, LOUVR FILL (B4R222) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.229 ALPHA = .000
BETA = .000

RUN NO. 91/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.600	-179.960	-.06960	1.09230	.83194	.84359	.82736	.84138	-.01165	-.01402	-.01006	-.01245
.600	-135.000	-.06598	1.09301	.83349	.84270	.82434	.84501	-.00921	-.02067	-.00906	-.02023
.600	-90.010	-.06255	1.08905	.83192	.83655	.82088	.84091	-.00462	-.02003	-.00763	-.02226
.599	-45.030	-.06325	1.08832	.83313	.83370	.82075	.83915	-.00058	-.01840	-.00630	-.02336
.600	.040	-.06308	1.08691	.83287	.83158	.82098	.83662	.00129	-.01564	-.00560	-.02136
.600	45.040	-.06102	1.08719	.83186	.83299	.82364	.83521	-.00113	-.01157	-.00685	-.01611
.600	90.060	-.05805	1.09006	.83279	.83749	.82740	.83629	-.00469	-.00889	-.00732	-.01172
.600	135.080	-.05805	1.09319	.83257	.84385	.82898	.84092	-.01129	-.01194	-.01059	-.01173
.600	179.900	-.05584	1.09228	.83252	.84365	.82691	.84240	-.01113	-.01549	-.00928	-.01403
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 106/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.248	-179.990	.02160	1.41694	1.16497	1.17177	1.16025	1.16725	-.00680	-.00700	-.00359	-.00086
1.250	-135.030	.01570	1.41594	1.16308	1.16977	1.15673	1.16742	-.00669	-.01069	-.00400	-.00445
1.249	-90.050	.01695	1.41399	1.16287	1.16732	1.15306	1.16800	-.00445	-.01494	-.00461	-.00927
1.250	-45.040	.01215	1.41239	1.16280	1.16439	1.14941	1.16832	-.00160	-.01891	-.00381	-.01604
1.250	.080	.01082	1.41096	1.16421	1.16031	1.14876	1.16640	.00390	-.01764	.00018	-.01586
1.250	45.050	.01110	1.41112	1.16538	1.16012	1.15123	1.16451	.00526	-.01329	.00239	-.01100
1.250	90.010	.01502	1.41436	1.16705	1.16439	1.15600	1.16553	.00266	-.00953	.00293	-.00616
1.250	135.030	.01755	1.41535	1.16654	1.16711	1.15915	1.16547	-.00057	-.00632	.00168	-.00103
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK W/O FRNG, LOUVR FILL (C4R222) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.229 ALPHA = .000
BETA = .000

RUN NO. 91/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.600	-179.960	-.06960	.83698	.83358	.83528	.00002	-.00021
.600	-135.000	-.06598	.83802	.83445	.83623	.00003	-.00011
.600	-90.010	-.06255	.83574	.83201	.83387	.00003	-.00003
.599	-45.030	-.06325	.83628	.83243	.83435	.00003	-.00000
.600	.040	-.06308	.83567	.83166	.83366	-.00001	.00009
.600	45.040	-.06102	.83528	.83169	.83349	-.00001	.00013
.600	90.060	-.05805	.83645	.83325	.83485	-.00005	.00005
.600	135.080	-.05805	.83786	.83485	.83635	-.00004	-.00004
.600	179.900	-.05584	.83716	.83392	.83554	.00006	-.00006
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK W/O FRNG, LOUVR FILL (C4R222) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.229 ALPHA = .000
BETA = .000

RUN NO. 106/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.248	-179.990	.02160	1.16676	1.16068	1.16372	-.00001	-.00008
1.250	-135.030	.01570	1.16508	1.15895	1.16202	-.00001	-.00008
1.249	-90.050	.01695	1.16517	1.15769	1.16143	-.00001	-.00015
1.250	-45.040	.01215	1.16471	1.15743	1.16107	.00006	-.00009
1.250	.080	.01082	1.16412	1.15669	1.16041	.00008	.00008
1.250	45.050	.01110	1.16418	1.15673	1.16046	.00003	.00012
1.250	90.010	.01502	1.16559	1.15908	1.16233	-.00001	.00011
1.250	135.030	.01755	1.16570	1.15967	1.16268	-.00004	.00012
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R025) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 447/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-5.960	-5.98274	322.19800	2.50286	1283.57001	1635.70000	1.09290	109.30000	.00000	8.58600	-134.71000
.599	-3.956	-5.99300	322.32500	2.50246	1281.67999	1634.00000	1.09303	109.20000	.00000	7.34400	-123.28000
.601	-1.956	-5.94485	323.22700	2.50461	1279.96001	1633.39999	1.09347	109.30000	.00000	6.43900	-108.12000
.599	-.006	-6.00240	321.84100	2.49945	1279.28999	1631.10001	1.09312	109.00000	.00000	6.18900	-90.05000
.599	2.003	-6.02801	322.33600	2.50292	1282.17000	1634.50000	1.09305	109.20000	.00000	6.53200	-71.71000
.599	3.997	-6.01630	322.80400	2.50697	1283.86000	1636.70000	1.09305	109.10000	.00000	7.38600	-56.55000
.599	6.009	-6.00397	322.81100	2.50780	1284.16000	1637.00000	1.09302	109.00000	.00000	8.63500	-45.15000
	GRADIENT	-.00651	.00405	.00037	.33185	.32910	-.00002	-.01497	.00000	.00924	8.55003

RUN NO. 439/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.799	-6.015	-5.99754	322.42800	2.00269	720.92900	1098.20000	1.17009	109.30000	.00000	8.62800	-134.91000
.799	-4.033	-6.04108	322.24000	2.00090	720.33400	1097.39999	1.17014	109.40000	.00000	7.42000	-123.58000
.799	-1.989	-6.02091	322.32200	2.00087	720.43200	1097.60001	1.17016	109.50000	.00000	6.51600	-108.18000
.799	.009	-5.97552	322.46500	2.00117	721.52700	1098.80000	1.16997	109.80000	.00000	6.15800	-89.91000
.799	2.019	-6.07842	322.65200	2.00341	722.12200	1099.60001	1.16992	109.60000	.00000	6.57900	-71.72000
.799	3.984	-5.96867	322.67800	2.00227	721.32300	1098.89999	1.17014	109.70000	.00000	7.33400	-56.42000
.799	6.039	-6.04684	321.42100	1.99430	719.25300	1095.30000	1.16995	109.90000	.00000	8.68000	-45.21000
	GRADIENT	.00433	.06020	.00026	.18358	.25002	-.00001	.03499	.00000	-.00648	8.52098

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R025) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 480/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.968	-5.97754	349.87600	1.99958	616.43700	1043.10001	1.21947	110.50000	.00000	8.56200	-134.78000
.900	-3.970	-5.99599	349.73300	1.99840	617.13800	1043.50000	1.21911	110.80000	.00000	7.33200	-123.36000
.901	-1.964	-5.95427	350.14400	1.99916	616.33100	1043.39999	1.21970	110.80000	.00000	6.43100	-108.15000
.900	.006	-5.98293	349.41700	1.99677	616.74500	1042.70000	1.21904	110.80000	.00000	6.15200	-89.91000
.900	1.998	-5.98953	349.38000	1.99621	616.34700	1042.30000	1.21917	110.80000	.00000	6.47600	-71.61000
.900	4.022	-6.01380	349.38000	1.99621	616.34700	1042.30000	1.21917	110.80000	.00000	7.37700	-56.34000
.900	6.019	-6.01892	349.09200	1.99500	616.25300	1041.80000	1.21901	110.80000	.00000	8.62900	-45.14000
	GRADIENT	-.00355	-.07347	-.00037	-.07862	-.17523	-.00002	.00000	.00000	.00719	8.55050

RUN NO. 428/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-5.970	-5.96947	373.00400	1.90331	440.12100	940.10000	1.33768	110.10000	.00000	8.52600	-134.85000
1.100	-3.986	-6.00142	371.00500	1.89364	438.26100	935.40000	1.33729	110.10000	.00000	7.31800	-123.46000
1.099	-2.014	-6.02855	372.10900	1.89990	439.73600	938.30003	1.33716	110.00000	.00000	6.49100	-108.39000
1.100	-.007	-5.93498	371.66500	1.89778	438.94800	937.00000	1.33736	109.90000	.00000	6.08100	-90.06000
1.100	2.028	-6.03390	371.51000	1.89697	438.75100	936.60000	1.33737	109.90000	.00000	6.50100	-71.50000
1.099	4.012	-6.01972	371.41000	1.89658	439.15000	936.70000	1.33697	110.00000	.00000	7.34700	-56.43000
1.099	6.029	-6.02159	370.84700	1.89476	438.66100	935.40000	1.33684	109.80000	.00000	8.60400	-45.10000
	GRADIENT	-.00212	.01004	.00014	.03889	04361	-.00002	-.01494	.00000	.00380	8.53308

RUN NO. 358/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.251	-5.963	-5.96759	403.93000	1.94717	368.81500	956.40000	1.42375	110.60000	.00000	8.51700	-134.84000
1.249	-3.947	-5.98922	403.63300	1.94599	369.70800	956.20000	1.42273	110.80000	.00000	7.28400	-123.27000
1.251	-1.963	-5.96033	403.61800	1.94485	368.62000	955.70000	1.42367	110.80000	.00000	6.40900	-108.16000
1.250	.002	-5.98157	403.11100	1.94287	368.62500	954.70000	1.42326	110.80000	.00000	6.12400	-89.99000
1.249	1.994	-6.02377	403.30700	1.94278	369.11800	955.30000	1.42298	111.10000	.00000	6.47800	-71.77000
1.250	4.011	-6.03809	403.99600	1.94512	369.21000	956.70000	1.42346	111.20000	.00000	7.35800	-56.54000
1.249	6.013	-5.99662	403.78600	1.94748	369.70700	956.50000	1.42285	110.60000	.00000	8.57100	-45.08000
	GRADIENT	-.00812	.02136	-.00019	-.02474	.03128	.00004	.05543	.00000	.01160	8.54602

RUN NO. 414/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.401	-5.986	-5.98749	429.08100	1.99912	312.12000	995.20000	1.49419	109.90000	.00000	8.53800	-134.87000
1.399	-4.020	-6.01256	430.52900	2.00661	314.08500	998.60000	1.49334	109.90000	.00000	7.33400	-123.67000
1.400	-1.996	-5.98268	427.86400	1.99339	311.73600	992.40000	1.49372	110.00000	.00000	6.43300	-108.40000
1.400	-.016	-6.00871	429.67000	2.00154	313.30200	996.60000	1.49349	110.10000	.00000	6.14300	-90.17000
1.400	2.011	-6.04840	429.50100	2.00155	313.00700	996.20000	1.49364	109.90000	.00000	6.49800	-71.71000
1.400	4.022	-6.00184	428.98400	1.99913	312.61600	995.00000	1.49366	109.90000	.00000	7.32700	-56.30000
1.401	6.010	-6.02485	428.60200	1.99710	312.02600	994.10000	1.49395	109.90000	.00000	8.58100	-45.21000
	GRADIENT	-.00220	-.07300	-.00034	-.08357	-.17081	.00003	-.00502	.00000	.00269	8.53209

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R025) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 367/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.449	-6.018	-6.01756	433.06500	1.99681	294.46000	1005.20000	1.51348	111.00000	.00000	8.57900	-134.85000
1.450	-3.997	-6.00836	433.36100	1.99903	294.55600	1005.90000	1.51358	110.80000	.00000	7.31700	-123.51000
1.450	-2.004	-6.02887	433.43900	2.00022	294.45600	1006.10000	1.51372	110.60000	.00000	6.47700	-108.31000
1.450	.006	-5.94463	433.06000	1.99719	294.36100	1005.20000	1.51357	110.90000	.00000	6.08000	-89.91000
1.450	2.012	-6.05187	432.75400	1.99618	294.06700	1004.50000	1.51365	110.80000	.00000	6.50100	-71.67000
1.450	3.997	-6.00110	432.75400	1.99618	294.06700	1004.50000	1.51365	110.80000	.00000	7.31200	-56.43000
1.450	6.045	-6.00868	432.96700	1.99573	294.16400	1005.00000	1.51369	111.10000	.00000	8.59300	-44.95000
	GRADIENT	-.00043	-.09500	-.00049	-.06836	-.22012	.00000	.01004	.00000	.00056	8.53887

RUN NO. 404/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.007	-6.01710	435.27000	1.99623	276.46700	1014.50000	1.53213	110.50000	.00000	8.57200	-134.82000
1.500	-4.042	-6.03477	435.34900	1.99656	276.46600	1014.70000	1.53218	110.50000	.00000	7.36400	-123.71000
1.501	-1.988	-5.98614	435.52100	1.99716	276.26500	1015.20000	1.53248	110.50000	.00000	6.43400	-108.27000
1.500	-.000	-5.98931	435.45200	1.99711	276.66400	1014.90000	1.53205	110.50000	.00000	6.12400	-89.99000
1.499	2.012	-6.03448	435.25500	1.99769	276.66600	1014.40000	1.53193	110.20000	.00000	6.48600	-71.64000
1.500	4.000	-6.01586	435.28500	1.99663	276.26800	1014.60000	1.53233	110.40000	.00000	7.32700	-56.49000
1.500	6.026	-6.01065	435.40300	1.99713	276.26600	1014.90000	1.53241	110.40000	.00000	8.58200	-45.07000
	GRADIENT	-.00050	-.01950	.00003	.00025	-.04949	-.00001	-.02491	.00000	-.00190	8.51583

RUN NO. 383/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.551	-6.013	-6.01483	438.43400	1.99924	260.46400	1029.50000	1.54962	110.80000	.00000	8.57400	-134.82000
1.550	-4.029	-6.01395	437.04300	1.99349	259.88500	1026.10001	1.54939	110.70000	.00000	7.34000	-123.70000
1.549	-2.013	-6.03287	437.93300	1.99726	260.77200	1028.00000	1.54903	110.80000	.00000	6.48400	-108.35000
1.550	-.003	-5.96696	438.30800	1.99838	260.76600	1029.00000	1.54925	110.90000	.00000	6.10200	-89.97000
1.550	2.019	-6.03627	437.58900	1.99596	260.17700	1027.39999	1.54942	110.70000	.00000	6.49000	-71.61000
1.550	4.004	-5.99486	437.58900	1.99643	260.17700	1027.39999	1.54942	110.60000	.00000	7.31200	-56.35000
1.548	5.970	-5.95432	438.27500	1.99985	261.16700	1028.70000	1.54884	110.60000	.00000	8.50500	-45.08000
	GRADIENT	.00172	.03732	.00023	-.00047	.09975	.00002	-.01489	.00000	-.00284	8.53085

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R025) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 447/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-5.960	-5.98274	1.04481	.62276	.90268	.60633	.87526	-.27992	-.26893	-.28112	-.26497
.599	-3.956	-5.99300	1.06438	.67083	.86640	.65279	.91596	-.19557	-.26317	-.19626	-.25979
.601	-1.956	-5.94485	1.06900	.71481	.82277	.68035	.93966	-.10795	-.25931	-.10912	-.25529
.599	-.006	-6.00240	1.07336	.75732	.78168	.69121	.95484	-.02435	-.26363	-.02525	-.25968
.599	2.003	-6.02801	1.06963	.79854	.73495	.68500	.94875	.06370	-.26375	.06174	-.26044
.599	3.997	-6.01630	1.06000	.83779	.68799	.66242	.93068	.14980	-.26827	.14747	-.26461
.599	6.009	-6.00397	1.04016	.87635	.63952	.62222	.89634	.23683	-.27412	.23546	-.27091
	GRADIENT	-.00651	-.00041	.02103	-.02238	.00119	.00193	.04341	-.00074	.04320	-.00075

RUN NO. 439/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.799	-6.015	-5.99754	1.12578	.71276	.97916	.69833	.95166	-.26640	-.25333	-.26672	-.24940
.799	-4.033	-6.04108	1.14384	.75784	.94421	.73997	.98885	-.18637	-.24889	-.18661	-.24541
.799	-1.989	-6.02091	1.14984	.80121	.90471	.76597	1.01190	-.10350	-.24594	-.10426	-.24286
.799	.009	-5.97552	1.15277	.84384	.86506	.77774	1.02382	-.02123	-.24608	-.02207	-.24293
.799	2.019	-6.07842	1.14983	.88041	.81987	.76929	1.02168	.06054	-.25239	.05851	-.24947
.799	3.984	-5.96867	1.14332	.92004	.77945	.75207	1.00358	.14060	-.25150	.13938	-.24837
.799	6.039	-6.04684	1.12393	.95651	.73049	.71356	.97279	.22601	-.25923	.22446	-.25595
	GRADIENT	.00433	-.00004	.02014	-.02067	.00140	.00198	.04081	-.00058	.04065	-.00062

RUN NO. 480/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-5.968	-5.97754	1.18412	.77990	1.03252	.76946	1.00680	-.25262	-.23734	-.25207	-.23794
.900	-3.970	-5.99599	1.20037	.82174	.99986	.80708	1.04069	-.17812	-.23360	-.17728	-.23467
.901	-1.964	-5.95427	1.20344	.85983	.96000	.82816	1.05764	-.10017	-.22948	-.10004	-.23017
.900	.006	-5.98293	1.20932	.90225	.92394	.84099	1.07276	-.02170	-.23177	-.02157	-.23301
.900	1.998	-5.98953	1.20471	.93951	.88279	.83434	1.07026	.05672	-.23592	.05571	-.23679
.900	4.022	-6.01380	1.19603	.97630	.84116	.81631	1.05612	.13514	-.23981	.13437	-.24103
.900	6.019	-6.01892	1.18040	1.01157	.79784	.78360	1.02867	.21373	-.24507	.21271	-.24631
	GRADIENT	-.00355	-.00038	.01949	-.01978	.00122	.00217	.03927	-.00095	.03906	-.00097

RUN NO. 428/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.100	-5.970	-5.96947	1.30494	.93955	1.16585	.92785	1.14291	-.22630	-.21506	-.22708	-.21210
1.100	-3.986	-6.00142	1.31683	.97525	1.13400	.95866	1.17190	-.15876	-.21323	-.15917	-.21038
1.099	-2.014	-6.02855	1.32090	1.01086	1.10009	.97832	1.19061	-.08923	-.21229	-.09039	-.20951
1.100	-.007	-5.93498	1.32221	1.04626	1.06683	.98873	1.19840	-.02057	-.20967	-.02089	-.20715
1.100	2.028	-6.03390	1.31928	1.07933	1.02662	.98120	1.19618	.05271	-.21498	.05123	-.21280
1.099	4.012	-6.01972	1.31468	1.11277	.99111	.96571	1.18370	.12166	-.21799	.12079	-.21511
1.099	6.029	-6.02159	1.29928	1.14322	.95101	.93535	1.15809	.19221	-.22274	.19175	-.22016
	GRADIENT	-.00212	-.00030	.01714	-.01793	.00084	.00145	.03507	-.00061	.03501	-.00064

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R025) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 358/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.251	-5.963	-5.96759	1.39640	1.00619	1.24533	.99792	1.21365	-.23914	-.21572	-.23804	-.21550
1.249	-3.947	-5.98922	1.40633	1.04429	1.21087	1.02968	1.24400	-.16648	-.21432	-.16551	-.21414
1.251	-1.963	-5.96033	1.41137	1.07961	1.17639	1.04879	1.26418	-.09678	-.21539	-.09603	-.21547
1.250	.002	-5.98157	1.41063	1.11350	1.13838	1.05617	1.27211	-.02488	-.21594	-.02440	-.21566
1.249	1.994	-6.02377	1.40882	1.14855	1.09996	1.05118	1.27196	.04869	-.22078	.04824	-.22101
1.250	4.011	-6.03809	1.40507	1.18456	1.06252	1.03638	1.25940	.12205	-.22301	.12207	-.22315
1.249	6.013	-5.99662	1.39259	1.21858	1.02210	1.00841	1.23629	.19648	-.22788	.19599	-.22788
	GRADIENT	-.00812	-.00026	.01758	-.01878	.00078	.00193	.03636	-.00115	.03620	-.00119

RUN NO. 414/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.401	-5.986	-5.98749	1.47725	1.02304	1.28222	1.00992	1.26108	-.25918	-.25116	-.25941	-.24825
1.399	-4.020	-6.01256	1.48433	1.06277	1.24313	1.04072	1.28558	-.18036	-.24485	-.18057	-.24259
1.400	-1.996	-5.98268	1.48571	1.10268	1.20321	1.06043	1.30030	-.10052	-.23987	-.10088	-.23740
1.400	-.016	-6.00871	1.48683	1.14277	1.16435	1.07040	1.30959	-.02158	-.23918	-.02222	-.23656
1.400	2.011	-6.04840	1.48569	1.18260	1.12291	1.06490	1.30754	.05969	-.24264	.05853	-.24023
1.400	4.022	-6.00184	1.48339	1.22302	1.08293	1.04989	1.29546	.14009	-.24557	.13904	-.24294
1.401	6.010	-6.02485	1.47159	1.26186	1.04105	1.02182	1.27420	.22081	-.25238	.21992	-.24985
	GRADIENT	-.00220	-.00010	.01993	-.01994	.00113	.00134	.03987	-.00021	.03975	-.00018

RUN NO. 367/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.449	-6.018	-6.01756	1.48501	1.00599	1.26843	.99319	1.25696	-.26244	-.26377	-.26231	-.26245
1.450	-3.997	-6.00836	1.49420	1.05000	1.22731	1.02558	1.28353	-.17730	-.25795	-.17709	-.25706
1.450	-2.004	-6.02887	1.49712	1.09240	1.18495	1.04359	1.29805	-.09255	-.25447	-.09200	-.25363
1.450	.006	-5.94463	1.50033	1.13764	1.14589	1.05579	1.30087	-.00826	-.24507	-.00817	-.24451
1.450	2.012	-6.05187	1.49670	1.17961	1.10428	1.04836	1.29671	.07533	-.24835	.07469	-.24714
1.450	3.997	-6.00110	1.49266	1.22058	1.06584	1.03411	1.28108	.15475	-.24697	.15425	-.24584
1.450	6.045	-6.00868	1.48215	1.26199	1.02669	1.00890	1.25703	.23530	-.24813	.23485	-.24723
	GRADIENT	-.00043	-.00017	.02141	-.02018	.00109	-.00031	.04159	.00140	.04146	.00144

RUN NO. 404/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.500	-6.007	-6.01710	1.51657	.97570	1.26114	.96104	1.24279	-.28543	-.28175	-.28525	-.27929
1.500	-4.042	-6.03477	1.51926	1.01648	1.21252	.98836	1.26335	-.19604	-.27499	-.19650	-.27265
1.501	-1.988	-5.98614	1.52056	1.05389	1.15849	.99921	1.26915	-.10459	-.26994	-.10507	-.26772
1.500	-.000	-5.98931	1.52165	1.09936	1.11549	1.01062	1.27670	-.01612	-.26608	-.01645	-.26428
1.499	2.012	-6.03448	1.52297	1.15057	1.07818	1.01086	1.27874	.07239	-.26788	.07130	-.26591
1.500	4.000	-6.01586	1.51694	1.19476	1.03843	.99033	1.26647	.15633	-.26714	.15510	-.26527
1.500	6.026	-6.01065	1.51167	1.24368	.99953	.97761	1.25102	.24415	-.27340	.24291	-.27142
	GRADIENT	-.00050	-.00011	.02256	-.02134	.00168	.00079	.04390	.00089	.04379	.00083

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R025) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 383/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.551	-6.013	-6.01483	1.55118	.75849	1.11079	.74814	1.07891	-.35230	-.33076	-.35235	-.32940
1.550	-4.029	-6.01395	1.55185	.74013	.99490	.70117	1.03416	-.25477	-.33300	-.25494	-.33159
1.549	-2.013	-6.03287	1.55482	.76998	.91177	.70350	1.01726	-.14179	-.31376	-.14201	-.31230
1.550	-.003	-5.96696	1.55162	.82222	.85737	.72124	1.02538	-.03515	-.30415	-.03531	-.30271
1.550	2.019	-6.03627	1.55499	.88653	.81650	.71981	1.04418	.07004	-.32437	.06948	-.32318
1.550	4.004	-5.99486	1.55015	.93803	.75760	.69077	1.03540	.18044	-.34463	.17969	-.34325
1.548	5.970	-5.95432	1.55174	1.06544	.77914	.74593	1.09348	.28630	-.34755	.28547	-.34663
	GRADIENT	.00172	-.00016	.02549	-.02836	-.00021	.00147	.05385	-.00168	.05378	-.00169

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R025) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 447/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-5.960	-5.98274	.76332	.73881	.75107	.04197	.00231
.599	-3.956	-5.99300	.76896	.78268	.77582	.04311	.00315
.601	-1.956	-5.94485	.76937	.80799	.78868	.04337	-.00039
.599	-.006	-6.00240	.76995	.82105	.79550	.04309	-.00173
.599	2.003	-6.02801	.76778	.81522	.79150	.04313	-.00069
.599	3.997	-6.01630	.76405	.79472	.77939	.04328	-.00294
.599	6.009	-6.00397	.75862	.75768	.75815	.04397	-.00322
	GRADIENT	-.00651	-.00058	.00157	.00050	.00001	-.00063

RUN NO. 439/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.799	-6.015	-5.99754	.84612	.82303	.83458	.04055	.00221
.799	-4.033	-6.04108	.85115	.86267	.85691	.04018	.00162
.799	-1.989	-6.02091	.85334	.88739	.87037	.04088	.00112
.799	.009	-5.97552	.85487	.89020	.87704	.04059	-.00244
.799	2.019	-6.07842	.85115	.89403	.87269	.04043	-.00121
.799	3.984	-5.96867	.85036	.87626	.86331	.04147	-.00070
.799	6.039	-6.04684	.84428	.84154	.84291	.04136	-.00518
	GRADIENT	.00433	-.00019	.00171	.00076	.00011	-.00035

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R025) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 480/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-5.968	-5.97754	.90593	.88843	.89718	.03726	.00121
.900	-3.970	-5.99595	.91038	.92442	.91740	.03777	.00248
.901	-1.964	-5.95427	.90985	.94324	.92654	.03944	.00051
.900	.006	-5.98293	.91303	.95750	.93526	.03945	-.00217
.900	1.998	-5.98953	.91166	.95273	.93219	.03861	-.00185
.900	4.022	-6.01380	.90911	.93682	.92297	.03910	-.00240
.900	6.019	-6.01892	.90522	.90675	.90599	.03929	-.00277
	GRADIENT	-.00355	-.00004	.00171	.00084	.00009	-.00061

RUN NO. 428/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.100	-5.970	-5.96947	1.05309	1.03390	1.04350	.03400	.00112
1.100	-3.986	-6.00142	1.05483	1.06386	1.05934	.03465	.00036
1.099	-2.014	-6.02855	1.05606	1.08308	1.06957	.03471	.00135
1.100	-.007	-5.93498	1.05671	1.09231	1.07451	.03503	-.00093
1.100	2.028	-6.03390	1.05371	1.08760	1.07066	.03536	-.00236
1.099	4.012	-6.01972	1.05238	1.07327	1.06282	.03502	-.00139
1.099	6.029	-6.02159	1.04734	1.04543	1.04638	.03526	-.00306
	GRADIENT	-.00212	-.00036	.00116	.00040	.00007	-.00036

RUN NO. 358/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.251	-5.963	-5.96759	1.12521	1.10567	1.11544	.03633	.00113
1.249	-3.947	-5.98922	1.12715	1.13675	1.13195	.03526	-.00025
1.251	-1.963	-5.96033	1.12762	1.15652	1.14207	.03563	-.00012
1.250	.002	-5.98157	1.12570	1.16400	1.14485	.03666	-.00152
1.249	1.994	-6.02377	1.12453	1.16169	1.14311	.03644	-.00211
1.250	4.011	-6.03809	1.12353	1.14796	1.13574	.03680	-.00132
1.249	6.013	-5.99662	1.12058	1.12235	1.12147	.03699	-.00288
	GRADIENT	-.00812	-.00052	.00137	.00043	.00020	-.00021

RUN NO. 414/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.401	-5.986	-5.98749	1.15275	1.13405	1.14340	.04031	.00286
1.399	-4.020	-6.01256	1.15305	1.16202	1.15754	.03968	.00293
1.400	-1.996	-5.98268	1.15312	1.17913	1.16612	.03944	.00178
1.400	-.016	-6.00871	1.15388	1.18868	1.17128	.03985	-.00109
1.400	2.011	-6.04840	1.15334	1.18501	1.16917	.03986	-.00154
1.400	4.022	-6.00184	1.15350	1.17136	1.16243	.04035	-.00221
1.401	6.010	-6.02485	1.15190	1.14674	1.14932	.04084	-.00411
	GRADIENT	-.00220	.00006	.00122	.00064	.00009	-.00068

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R025) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 367/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.449	-6.018	-6.01756	1.13715	1.12442	1.13078	.04195	.00325
1.450	-3.997	-6.00836	1.13855	1.15411	1.14633	.04260	.00151
1.450	-2.004	-6.02887	1.13840	1.17040	1.15440	.04228	.00388
1.450	.006	-5.94463	1.14172	1.17805	1.15989	.04150	.00172
1.450	2.012	-6.05187	1.14227	1.17193	1.15710	.04077	-.00109
1.450	3.997	-6.00110	1.14346	1.15708	1.15027	.03957	.00058
1.450	6.045	-6.00868	1.14456	1.13251	1.13854	.03926	-.00123
	GRADIENT	-.00043	.00068	.00038	.00053	-.00038	-.00034

RUN NO. 404/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.500	-6.007	-6.01710	1.11833	1.10068	1.10950	.04536	.00365
1.500	-4.042	-6.03477	1.11473	1.12468	1.11971	.04480	.00285
1.501	-1.988	-5.98614	1.10643	1.13307	1.11975	.04453	.00235
1.500	-.000	-5.98931	1.10759	1.14276	1.12517	.04436	.00015
1.499	2.012	-6.03448	1.11492	1.14381	1.12937	.04258	-.00015
1.500	4.000	-6.01586	1.11721	1.13197	1.12459	.04254	-.00097
1.500	6.026	-6.01065	1.12222	1.11332	1.11777	.04377	-.00407
	GRADIENT	-.00050	.00066	.00127	.00097	-.00032	-.00050

RUN NO. 383/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.551	-6.013	-6.01483	.93466	.91285	.92375	.04710	-.00401
1.550	-4.029	-6.01395	.86761	.86696	.86728	.05311	.00471
1.549	-2.013	-6.03287	.84098	.85965	.85032	.05573	.01042
1.550	-.003	-5.96696	.83987	.87259	.85623	.05127	-.00338
1.550	2.019	-6.03627	.85179	.88139	.86659	.05391	-.01290
1.550	4.004	-5.99486	.84819	.86240	.85529	.05526	-.00571
1.548	5.970	-5.95432	.92270	.91924	.92097	.05308	.00028
	GRADIENT	.00172	-.00140	.00063	-.00038	.00012	-.00220

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R026) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.267 BETA = -6.000
PHI = .000

RUN NO. 277/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.598	-5.963	-5.97432	319.68700	2.47799	1275.16000	1624.50000	1.09276	110.50000	.00000	8.58300	-134.79000
.599	-3.956	-5.99929	320.53400	2.48023	1274.74001	1625.10001	1.09305	110.70000	.00000	7.34900	-123.28000
.599	-1.996	-6.00251	319.85800	2.47876	1275.14999	1624.70000	1.09283	110.50000	.00000	6.50500	-108.31000
.598	-.990	-5.98443	319.41800	2.47692	1274.66000	1623.70000	1.09274	110.40000	.00000	6.25000	-99.35000
.600	.001	-5.97483	320.58000	2.48033	1273.03999	1623.50000	1.09321	110.50000	.00000	6.16100	-90.00000
.598	1.005	-6.03652	319.21900	2.47506	1273.47000	1622.30000	1.09276	110.40000	.00000	6.30300	-80.61000
.599	1.990	-5.97823	320.15900	2.47812	1273.35001	1623.30000	1.09305	110.60000	.00000	6.48000	-71.69000
.599	3.976	-5.96190	319.63300	2.47700	1272.86000	1622.20000	1.09291	110.30000	.00000	7.32900	-56.45000
.599	6.018	-6.02543	319.80700	2.47731	1272.96001	1622.50000	1.09297	110.40000	.00000	8.65600	-45.21000
	GRADIENT	.00349	-.07677	-.00040	-.29554	-.37924	-.00000	-.03355	.00000	-.00163	8.61831

RUN NO. 315/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.901	-5.989	-5.99623	348.94100	1.99321	614.65900	1040.20003	1.21952	110.70000	.00000	8.59300	-134.79000
.899	-3.997	-6.00528	348.12100	1.99142	615.57400	1039.80000	1.21862	110.60000	.00000	7.35800	-123.50000
.900	-1.967	-5.94354	350.12800	2.00045	617.62900	1044.50000	1.21919	110.80000	.00000	6.42500	-108.22000
.899	.006	-6.00474	348.27400	1.99049	614.97200	1039.50000	1.21895	110.80000	.00000	6.17600	-89.94000
.901	2.014	-6.04534	350.02400	1.99891	616.53300	1043.39999	1.21954	110.80000	.00000	6.53400	-71.67000
.899	3.991	-5.99294	348.63300	1.99624	616.56200	1041.39999	1.21858	110.20000	.00000	7.34400	-56.48000
.900	6.040	-6.03570	348.56100	1.99983	615.06600	1040.00000	1.21911	109.00000	.00000	8.65500	-45.15000
	GRADIENT	-.00385	.04734	.00041	.04509	.10789	.00001	-.03986	.00000	.00353	8.54646

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R026) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.267 BETA = -6.000
PHI = .000

RUN NO. 277/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.598	-5.963	-5.97432	1.03749	.61876	.91032	.60711	.87335	-.29156	-.26624	-.28646	-.26058
.599	-3.956	-5.99929	1.05740	.66442	.87151	.65150	.91562	-.20709	-.26412	-.20207	-.25869
.599	-1.996	-6.00251	1.06710	.71015	.82700	.68097	.94478	-.11685	-.26380	-.11238	-.25877
.598	-.990	-5.98443	1.07012	.73353	.80712	.68942	.95222	-.07359	-.26280	-.06859	-.25750
.600	.001	-5.97483	1.06674	.75145	.78321	.69025	.95328	-.03176	-.26303	-.02666	-.25787
.598	1.005	-6.03652	1.06888	.77431	.76120	.68925	.95725	.01311	-.26799	.01671	-.26249
.599	1.990	-5.97823	1.06494	.79548	.73852	.68573	.95077	.05696	-.26504	.06120	-.25977
.599	3.976	-5.96190	1.05641	.83790	.69563	.66662	.93291	.14227	-.26629	.14593	-.26119
.599	6.018	-6.02543	1.03060	.87335	.64259	.62151	.89654	.23076	-.27504	.23456	-.26923
	GRADIENT	.00349	-.00023	.02171	-.02222	.00167	.00206	.04393	-.00039	.04376	-.00041

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (84R026) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.267 BETA = -6.000
PHI = .000

RUN NO. 315/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.901	-5.989	-5.99623	1.15523	.77905	1.03618	.76739	1.01171	-.25713	-.24432	-.25167	-.23824
.899	-3.997	-6.00528	1.17220	.82173	1.00295	.80601	1.04634	-.18117	-.24033	-.17574	-.23484
.900	-1.967	-5.94354	1.18036	.86556	.96759	.83219	1.06799	-.10204	-.23580	-.09760	-.22961
.899	.006	-6.00474	1.17937	.90145	.92622	.83884	1.07724	-.02477	-.23839	-.02022	-.23223
.901	2.014	-6.04534	1.17569	.93919	.88496	.83268	1.07628	.05422	-.24361	.05657	-.23702
.899	3.991	-5.99294	1.17025	.97826	.84621	.81700	1.06181	.13205	-.24482	.13491	-.23890
.900	6.040	-6.03570	1.15092	1.01268	.80091	.78165	1.03214	.21178	-.25050	.21425	-.24425
	GRADIENT	-.00385	-.00042	.01937	-.01984	.00114	.00198	.03921	-.00084	.03885	-.00078

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R026) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.267 BETA = -6.000
PHI = .000

RUN NO. 277/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.598	-5.963	-5.97432	.76199	.73740	.74970	.04085	.00134
.599	-3.956	-5.99929	.76545	.78085	.77315	.04447	.00015
.599	-1.996	-6.00251	.76634	.81036	.78835	.04479	.00074
.598	-.990	-5.98443	.76782	.81817	.79300	.04257	.00142
.600	.001	-5.97483	.76478	.81919	.79198	.04237	-.00376
.598	1.005	-6.03652	.76596	.82050	.79323	.04456	-.00124
.599	1.990	-5.97823	.76488	.81562	.79025	.04459	.00337
.599	3.976	-5.96190	.76494	.79722	.78108	.04242	-.00325
.599	6.018	-6.02543	.75607	.75612	.75610	.04389	-.00428
	GRADIENT	.00349	-.00016	.00187	.00085	-.00016	-.00026

RUN NO. 315/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.901	-5.989	-5.99623	.90488	.88651	.89570	.03811	.00123
.899	-3.997	-6.00528	.90965	.92342	.91654	.03816	.00267
.900	-1.967	-5.94354	.91436	.94699	.93067	.03909	.00090
.899	.006	-6.00474	.91155	.95496	.93326	.03860	-.00264
.901	2.014	-6.04534	.91090	.95119	.93104	.03889	-.00146
.899	3.991	-5.99294	.91080	.93645	.92362	.03946	-.00150
.900	6.040	-6.03570	.90556	.90377	.90466	.03838	-.00316
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R027) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.001 BETA = -6.000
PHI = .000

RUN NO. 312/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.902	-5.977	-5.97792	351.46800	2.00719	617.80100	1046.60001	1.22002	110.50000	.00000	8.57000	-134.82000
.899	-3.972	-5.96631	348.80400	1.99729	616.15900	1041.30000	1.21885	110.00000	.00000	7.31200	-123.50000
.900	-1.951	-5.96507	349.12400	1.99967	615.85300	1041.50000	1.21919	109.70000	.00000	6.44000	-108.01000
.900	-.993	-6.01387	349.39300	2.00106	615.74800	1041.80000	1.21941	109.60000	.00000	6.26400	-99.31000
.900	.010	-6.00298	349.33800	2.00043	616.64700	1042.50000	1.21903	109.90000	.00000	6.17400	-89.89000
.900	.998	-5.98224	349.56600	2.00106	616.84200	1043.00000	1.21911	110.00000	.00000	6.23400	-80.57000
.900	2.012	-6.04342	349.75600	2.00159	616.63800	1043.10001	1.21931	110.00000	.00000	6.53200	-71.67000
.900	4.011	-6.02262	349.76500	2.00218	616.73800	1043.20000	1.21928	109.90000	.00000	7.37900	-56.48000
.899	6.020	-6.01254	348.98700	2.00070	617.35300	1042.60001	1.21852	109.70000	.00000	8.62600	-45.13000
	GRADIENT	-.00836	.12612	.00055	.11878	.28646	.00004	.01427	.00000	.01039	8.58979

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (84R027) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.001 BETA = -6.000
PHI = .000

RUN NO. 312/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBO	DCPA	DCPB
.902	-5.977	-5.97792	1.16361	.78266	1.03869	.80579	1.01505	-.25603	-.20926	-.25061	-.23746
.899	-3.972	-5.96631	1.17709	.82334	1.00142	.83604	1.04710	-.17808	-.21106	-.17258	-.23402
.900	-1.951	-5.96507	1.18500	.86551	.96668	.85770	1.06954	-.10117	-.21184	-.09653	-.23147
.900	-.993	-6.01387	1.18410	.88343	.94574	.85289	1.07451	-.06231	-.22162	-.05755	-.23311
.900	.010	-6.00298	1.18508	.90332	.92787	.85785	1.07836	-.02456	-.22051	-.02030	-.23211
.900	.998	-5.98224	1.18353	.92273	.90721	.85340	1.07911	.01553	-.22571	.01875	-.23390
.900	2.012	-6.04342	1.17921	.94002	.88459	.84514	1.07500	.05543	-.22986	.05863	-.23639
.900	4.011	-6.02262	1.16996	.97762	.84276	.83380	1.05857	.13486	-.22477	.13748	-.23868
.899	6.020	-6.01254	1.15404	1.01357	.80062	.79547	1.03040	.21295	-.23493	.21557	-.24301
	GRADIENT	-.00836	-.00097	.01925	-.02001	-.00080	.00146	.03926	-.00226	.03888	-.00070

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R027) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.001 BETA = -6.000
PHI = .000

RUN NO. 312/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.902	-5.977	-5.97792	.90796	.92452	.91624	.03968	.00147
.899	-3.972	-5.96631	.90963	.95305	.93134	.03742	.00221
.900	-1.951	-5.96507	.91377	.97344	.94360	.04034	-.00140
.900	-.993	-6.01387	.91220	.96945	.94083	.03886	-.00025
.900	.010	-6.00298	.91347	.97390	.94368	.03782	.00013
.900	.998	-5.98224	.91336	.97035	.94185	.03989	-.00277
.900	2.012	-6.04342	.91070	.96334	.93702	.03922	-.00188
.900	4.011	-6.02262	.90888	.95314	.93101	.03926	-.00137
.899	6.020	-6.01254	.90578	.91697	.91138	.03866	-.00255
	GRADIENT	-.00836	-.00019	-.00045	-.00032	.00015	-.00043

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R028) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 448/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-6.043	-4.05095	321.17100	2.49364	1280.00999	1631.00000	1.09284	109.60000	.00000	7.43400	-146.04000
.600	-4.012	-4.03793	322.82300	2.50135	1280.97000	1633.89999	1.09323	109.70000	.00000	5.87400	-134.68000
.599	-1.968	-4.06052	321.91700	2.49911	1282.58000	1634.39999	1.09289	109.60000	.00000	4.71600	-115.73000
.599	.000	-3.97796	322.53800	2.50208	1283.47000	1636.00000	1.09299	109.70000	.00000	4.19300	-90.00000
.599	2.005	-3.93847	321.54200	2.49852	1281.19000	1632.60001	1.09289	109.20000	.00000	4.62500	-63.15000
.599	3.971	-3.97489	321.70400	2.49893	1280.78999	1632.39999	1.09296	109.20000	.00000	5.80200	-45.16000
.600	5.952	-3.93987	322.92700	2.50527	1281.75999	1634.80000	1.09325	109.20000	.00000	7.29800	-33.62000
	GRADIENT	.01243	-.13159	-.00027	-.08650	-.24014	-.00003	-.07023	.00000	-.01294	11.61514

RUN NO. 440/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.799	-5.979	-4.01016	321.82700	1.99776	719.74400	1096.30000	1.17006	109.60000	.00000	7.35400	-146.03000
.799	-4.004	-4.03035	321.48200	1.99688	720.25000	1096.30000	1.16974	109.60000	.00000	5.86000	-134.68000
.799	-1.958	-4.01973	322.33400	2.00022	720.63100	1097.80000	1.17012	109.70000	.00000	4.67300	-115.86000
.799	-.001	-4.04645	322.37100	2.00095	721.22900	1098.39999	1.16999	109.70000	.00000	4.25800	-90.01000
.799	2.002	-3.93831	323.21600	2.00489	722.70800	1100.89999	1.17009	109.90000	.00000	4.62000	-63.18000
.799	3.964	-3.96198	321.45200	1.99582	719.75200	1095.80000	1.16984	109.70000	.00000	5.78500	-45.11000
.799	6.015	-3.99105	322.34000	2.00034	720.73100	1097.89999	1.17010	109.70000	.00000	7.37300	-33.68000
	GRADIENT	.01097	.04245	.00013	.05550	.10815	.00001	.02022	.00000	-.01140	11.64921

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R028) (05 DEC 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 481/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.034	-4.05113	349.66400	1.99769	617.13900	1043.39999	1.21906	110.90000	.00000	7.40400	-146.00000
.900	-4.004	-4.03005	349.70500	1.99793	616.83900	1043.20000	1.21920	110.80000	.00000	5.84600	-134.68000
.900	-1.964	-4.04642	349.67300	1.99737	617.23900	1043.50000	1.21903	111.00000	.00000	4.68800	-115.76000
.900	-.014	-3.99767	349.83500	1.99838	616.73700	1043.30000	1.21933	110.80000	.00000	4.20100	-90.17000
.900	2.001	-3.91723	349.88500	1.99792	616.53600	1043.20000	1.21944	110.90000	.00000	4.59200	-63.03000
.899	3.967	-3.96216	349.21800	1.99565	616.84900	1042.50000	1.21887	110.90000	.00000	5.77600	-45.06000
.900	5.951	-3.96869	349.32900	1.99577	616.54700	1042.39999	1.21906	110.90000	.00000	7.29500	-33.79000
	GRADIENT	.01331	-.03814	-.00021	-.03408	-.08500	-.00001	.00518	.00000	-.01264	11.65145

RUN NO. 429/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.098	-6.009	-4.01430	370.63000	1.89522	439.06200	935.30000	1.33633	109.60000	.00000	7.33900	-146.15000
1.100	-3.989	-4.04300	371.60600	1.89886	438.94800	936.90000	1.33731	109.60000	.00000	5.82500	-134.50000
1.100	-2.002	-4.08600	371.91600	1.90004	439.34200	937.70000	1.33729	109.70000	.00000	4.72300	-116.00000
1.100	.011	-3.95203	372.34300	1.90210	439.73300	938.70000	1.33738	109.70000	.00000	4.14100	-89.84000
1.100	2.014	-3.96633	372.98500	1.90531	440.02200	940.00000	1.33774	109.60000	.00000	4.62300	-63.17000
1.101	3.956	-3.93092	373.47300	1.90566	439.81600	940.70000	1.33834	109.90000	.00000	5.72400	-44.91000
1.100	5.997	-4.00215	372.76900	1.90360	440.42300	939.90000	1.33723	109.90000	.00000	7.32200	-33.80000
	GRADIENT	.01730	.24126	.00095	.12172	.49752	.00013	.02495	.00000	-.01616	11.65931

RUN NO. 359/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-5.969	-3.99129	404.68600	1.95129	369.99500	958.40000	1.42332	110.60000	.00000	7.29100	-146.13000
1.250	-3.993	-4.02567	404.53300	1.95025	369.99700	958.10000	1.42320	110.70000	.00000	5.81400	-134.66000
1.250	-1.966	-4.04408	403.98200	1.94760	369.50700	956.80000	1.42318	110.70000	.00000	4.67000	-115.83000
1.250	-.002	-4.01388	403.69100	1.94438	369.21300	956.10000	1.42321	111.10000	.00000	4.20100	-90.04000
1.250	2.002	-3.94760	404.79500	1.94608	370.19200	958.70000	1.42323	111.90000	.00000	4.60100	-63.22000
1.249	3.971	-3.95156	404.46800	1.94446	370.29400	958.10000	1.42288	112.00000	.00000	5.74700	-44.98000
1.251	6.010	-3.99759	404.27100	1.94297	369.10800	957.20000	1.42377	111.90000	.00000	7.32700	-33.74000
	GRADIENT	.01229	.03421	-.00066	.06407	.09516	-.00003	.19089	.00000	-.01094	11.65722

RUN NO. 415/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-6.018	-4.01459	429.63200	2.00255	313.00500	996.50000	1.49373	109.80000	.00000	7.33600	-146.22000
1.400	-4.015	-4.04066	429.71600	2.00398	313.20200	996.70000	1.49361	109.60000	.00000	5.83300	-134.75000
1.400	-1.984	-4.09176	428.42300	1.99839	312.22500	993.70000	1.49364	109.50000	.00000	4.71400	-115.81000
1.400	.005	-3.96710	430.40400	2.00773	313.79000	998.30000	1.49353	109.50000	.00000	4.14900	-89.97000
1.399	2.002	-3.93677	428.71700	1.99820	312.81600	994.40000	1.49329	109.90000	.00000	4.58600	-63.16000
1.399	3.960	-3.95650	430.35600	2.00582	313.98800	998.20000	1.49331	109.90000	.00000	5.73700	-45.08000
1.400	5.959	-3.97340	429.07100	2.00041	312.61500	995.20000	1.49372	109.70000	.00000	7.26600	-33.79000
	GRADIENT	.01621	.07793	.00017	.10772	.18322	-.00005	.05004	.00000	-.01738	11.63562

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R028) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 368/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-6.025	-4.01414	433.27800	1.99869	294.55700	1005.70000	1.51352	110.80000	.00000	7.34000	-146.23000
1.450	-4.009	-4.04176	432.93000	1.99703	294.26300	1004.90000	1.51358	110.60000	.00000	5.82900	-134.65000
1.450	-1.961	-4.02307	432.61400	1.99679	293.77100	1004.20000	1.51384	110.50000	.00000	4.64300	-115.87000
1.450	.004	-4.03301	432.53600	1.99560	293.87100	1004.00000	1.51370	110.70000	.00000	4.21400	-89.91000
1.449	2.001	-3.91918	433.19500	1.99975	294.55800	1005.50000	1.51347	110.50000	.00000	4.57000	-63.03000
1.450	4.013	-4.00879	433.52200	2.00103	294.45500	1006.30000	1.51378	110.50000	.00000	5.81000	-45.04000
1.450	6.029	-4.01515	433.35100	2.00118	294.35800	1005.90000	1.51376	110.30000	.00000	7.34500	-33.73000
	GRADIENT	.00847	.08801	.00045	.05816	.20446	.00000	-.01007	.00000	-.00592	11.59533

RUN NO. 405/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-5.985	-4.00598	435.29700	1.99721	276.36700	1014.60000	1.53225	110.30000	.00000	7.30400	-146.11000
1.501	-4.027	-4.06360	434.99800	1.99753	275.87300	1014.00000	1.53254	109.90000	.00000	5.85700	-134.64000
1.500	-1.965	-4.03926	435.10200	1.99715	276.07100	1014.20000	1.53241	110.10000	.00000	4.69900	-115.83000
1.501	.003	-3.97443	435.48200	1.99699	276.26500	1015.10000	1.53246	110.50000	.00000	4.15600	-89.92000
1.500	2.006	-3.94408	435.45500	1.99788	276.36500	1015.00000	1.53234	110.30000	.00000	4.59400	-63.14000
1.500	3.968	-3.97513	435.30900	1.99733	276.46600	1014.60000	1.53216	110.30000	.00000	5.75600	-45.14000
1.499	5.961	-3.96708	435.37400	1.99725	276.66500	1014.70000	1.53200	110.40000	.00000	7.26500	-33.73000
	GRADIENT	.01366	.04699	.00002	.07421	.10053	-.00004	.05027	.00000	-.01501	11.60492

RUN NO. 385/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.551	-5.954	-3.97413	438.20700	1.99770	260.26700	1029.00000	1.54969	110.90000	.00000	7.26100	-146.18000
1.549	-4.019	-4.03625	436.80100	1.99204	259.98900	1025.39999	1.54914	110.80000	.00000	5.83300	-134.74000
1.550	-1.969	-4.08122	437.23300	1.99439	260.08200	1026.50000	1.54930	110.70000	.00000	4.69700	-115.66000
1.551	-.001	-3.97410	438.26400	1.99847	260.36600	1029.10001	1.54963	110.80000	.00000	4.15600	-89.96000
1.550	2.009	-3.94363	436.72100	1.99290	259.59000	1025.39999	1.54949	110.50000	.00000	4.59500	-63.03000
1.550	3.994	-3.98324	438.21300	1.99933	260.66700	1028.80000	1.54930	110.60000	.00000	5.78000	-45.02000
1.550	5.978	-3.96744	438.51200	1.99967	260.66300	1029.60001	1.54948	110.80000	.00000	7.27900	-33.66000
	GRADIENT	.01214	.11540	.00065	.04300	.28476	.00003	-.03006	.00000	-.01122	11.59899

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R028) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 448/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-6.043	-4.05095	1.06223	.66045	.93657	.65151	.83661	-.27612	-.18510	-.27700	-.18131
.600	-4.012	-4.03793	1.07645	.70741	.89787	.69692	.87657	-.19046	-.17965	-.19136	-.17654
.599	-1.968	-4.06052	1.08686	.75647	.86270	.72969	.90856	-.10623	-.17888	-.10706	-.17605
.599	.000	-3.97796	1.08639	.80000	.82030	.74268	.91950	-.02031	-.17682	-.02127	-.17389
.599	2.005	-3.93847	1.08594	.84266	.77747	.73614	.91471	.06518	-.17857	.06352	-.17583
.599	3.971	-3.97489	1.07939	.88179	.73099	.71068	.89689	.15080	-.18622	.14906	-.18256
.600	5.952	-3.93987	1.05959	.91486	.68198	.67030	.85815	.23288	-.18785	.23118	-.18463
	GRADIENT	.01243	.00026	.02182	-.02101	.00173	.00237	.04282	-.00064	.04270	-.00059

RUN NO. 440/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.799	-5.979	-4.01016	1.14556	.75203	1.00890	.74765	.91782	-.25686	-.17017	-.25690	-.16669
.799	-4.004	-4.03035	1.15622	.79282	.97283	.78343	.95296	-.18001	-.16953	-.18069	-.16606
.799	-1.958	-4.01973	1.16108	.83770	.93553	.81140	.97692	-.09783	-.16552	-.09850	-.16282
.799	-.001	-4.04645	1.16252	.87750	.89700	.82103	.98960	-.01950	-.16857	-.02053	-.16550
.799	2.002	-3.93831	1.16240	.91898	.85808	.81726	.98538	.06091	-.16812	.05948	-.16517
.799	3.964	-3.96198	1.15675	.95642	.81468	.79620	.96843	.14174	-.17223	.13970	-.16963
.799	6.015	-3.99105	1.14007	.99079	.76593	.75551	.93600	.22486	-.18049	.22335	-.17743
	GRADIENT	.01097	.00012	.02053	-.01979	.00160	.00200	.04032	-.00040	.04014	-.00047

RUN NO. 481/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-6.034	-4.05113	1.19981	.81310	1.06182	.81204	.97352	-.24872	-.16149	-.24836	-.16241
.900	-4.004	-4.03005	1.21150	.85610	1.02836	.85004	1.00833	-.17227	-.15829	-.17182	-.15903
.900	-1.964	-4.04642	1.21530	.89630	.99163	.87318	1.03053	-.09534	-.15735	-.09507	-.15859
.900	-.014	-3.99767	1.21579	.93431	.95437	.88276	1.03960	-.02006	-.15684	-.02021	-.15816
.900	2.001	-3.91723	1.21325	.97337	.91408	.87681	1.03619	.05929	-.15938	.05860	-.16059
.899	3.967	-3.96216	1.20737	1.01031	.87414	.85742	1.02268	.13617	-.16525	.13502	-.16631
.900	5.951	-3.96869	1.19462	1.04368	.83274	.82538	.99395	.21094	-.16857	.21003	-.16972
	GRADIENT	.01331	-.00051	.01937	-.01939	.00094	.00174	.03875	-.00080	.03855	-.00083

RUN NO. 429/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.098	-6.009	-4.01430	1.31692	.96622	1.18809	.96416	1.11038	-.22187	-.14622	-.22201	-.14343
1.100	-3.989	-4.04300	1.32613	1.00281	1.15824	.99487	1.14049	-.15542	-.14563	-.15596	-.14266
1.100	-2.002	-4.08600	1.32999	1.03899	1.12569	1.01601	1.16072	-.08669	-.14471	-.08699	-.14260
1.100	.011	-3.95203	1.33046	1.07550	1.09212	1.02607	1.16800	-.01661	-.14194	-.01720	-.13922
1.100	2.014	-3.9663.	1.33092	1.11008	1.05730	1.02117	1.16799	.05278	-.14681	.05155	-.14367
1.101	3.956	-3.93092	1.32673	1.14258	1.02304	1.00601	1.15399	.12054	-.14797	.11939	-.14600
1.100	5.997	-4.00215	1.31391	1.17288	.98160	.97370	1.12793	.19167	-.15422	.19039	-.15222
	GRADIENT	.01730	.00011	.01762	-.01712	.00139	.00174	.03474	-.00034	.03463	-.00039

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R028) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 359/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.250	-5.969	-3.99129	1.40680	1.03410	1.26673	1.03757	1.17912	-.23263	-.14155	-.23143	-.14217
1.250	-3.993	-4.02567	1.41552	1.06939	1.23592	1.06575	1.20985	-.16653	-.14410	-.16552	-.14415
1.250	-1.966	-4.04408	1.42039	1.10711	1.20289	1.08671	1.23252	-.09578	-.14582	-.09488	-.14577
1.250	-.002	-4.01388	1.42048	1.14107	1.16701	1.09466	1.24245	-.02594	-.14779	-.02522	-.14848
1.250	2.002	-3.94760	1.42053	1.17847	1.12993	1.09083	1.24205	.04854	-.15122	.04860	-.15162
1.249	3.971	-3.95156	1.41575	1.21297	1.09127	1.07400	1.22949	.12170	-.15549	.12151	-.15535
1.251	6.010	-3.99759	1.40411	1.24463	1.05061	1.04443	1.20314	.19402	-.15871	.19371	-.15892
	GRADIENT	.01229	.00003	.01802	-.01820	.00105	.00246	.03622	-.00142	.03606	-.00142

RUN NO. 415/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.400	-6.018	-4.01459	1.48610	1.04999	1.30291	1.05044	1.22078	-.25293	-.17033	-.25301	-.16779
1.400	-4.015	-4.04066	1.49010	1.08980	1.26459	1.08062	1.24671	-.17479	-.16608	-.17567	-.16347
1.400	-1.984	-4.09176	1.49218	1.12957	1.22656	1.09991	1.26556	-.09699	-.16565	-.09733	-.16259
1.400	.005	-3.96710	1.49202	1.16923	1.18844	1.11073	1.27108	-.01921	-.16035	-.01965	-.15811
1.399	2.002	-3.93677	1.49161	1.20859	1.14983	1.10658	1.26919	.05876	-.16262	.05734	-.16008
1.399	3.960	-3.95650	1.49048	1.24714	1.11148	1.09127	1.25890	.13566	-.16764	.13401	-.16509
1.400	5.959	-3.97340	1.48309	1.28581	1.06965	1.06257	1.23577	.21616	-.17320	.21498	-.17069
	GRADIENT	.01621	.00001	.01975	-.01921	.00142	.00142	.03895	.00000	.03882	-.00003

RUN NO. 368/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.450	-6.025	-4.01414	1.49640	1.03161	1.29181	1.03226	1.21691	-.26019	-.18465	-.25937	-.18325
1.450	-4.009	-4.04176	1.50545	1.07465	1.25190	1.06323	1.24489	-.17725	-.18167	-.17718	-.18045
1.450	-1.961	-4.02307	1.50526	1.11704	1.20662	1.08159	1.25698	-.08958	-.17539	-.08944	-.17436
1.450	.004	-4.03301	1.50574	1.15845	1.16607	1.09079	1.25911	-.00763	-.16832	-.00721	-.16760
1.449	2.001	-3.91918	1.50518	1.20120	1.12864	1.08916	1.25174	.07256	-.16258	.07221	-.16137
1.450	4.013	-4.00879	1.50299	1.24453	1.08984	1.07455	1.24047	.15470	-.16592	.15430	-.16498
1.450	6.029	-4.01515	1.49126	1.28384	1.05125	1.04882	1.21628	.23260	-.16746	.23200	-.16637
	GRADIENT	.00847	-.00025	.02119	-.02010	.00151	-.00070	.04129	.00221	.04122	.00219

RUN NO. 405/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.500	-5.985	-4.00598	1.51986	.99518	1.27186	.99722	1.19043	-.27667	-.19321	-.27704	-.19135
1.501	-4.027	-4.06360	1.52533	1.02623	1.21930	1.01332	1.20762	-.19307	-.19431	-.19343	-.19231
1.500	-1.965	-4.03926	1.52582	1.07777	1.17600	1.03850	1.22604	-.09823	-.18753	-.09866	-.18536
1.501	.003	-3.97443	1.52471	1.11029	1.12350	1.03657	1.21868	-.01321	-.18212	-.01356	-.18043
1.500	2.006	-3.94408	1.52375	1.16044	1.08765	1.03996	1.21792	.07278	-.17796	.07157	-.17600
1.500	3.968	-3.97513	1.52447	1.21132	1.05644	1.03510	1.21518	.15488	-.18007	.15397	-.17803
1.499	5.961	-3.96708	1.51685	1.26060	1.02161	1.01684	1.20051	.23899	-.18368	.23800	-.18190
	GRADIENT	.01366	-.00019	.02269	-.02075	.00228	.00037	.04344	.00191	.04334	.00191

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (84R028) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 385/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.551	-5.954	-3.97413	1.55197	.70567	1.05358	.72989	.95527	-.34792	-.22538	-.34774	-.22391
1.549	-4.019	-4.03625	1.55250	.72252	.95798	.71173	.93190	-.23506	-.22017	-.23498	-.21888
1.550	-1.969	-4.08122	1.55308	.76198	.88467	.72162	.92304	-.12269	-.20142	-.12308	-.20050
1.551	-.001	-3.97410	1.54904	.80650	.83827	.73673	.92967	-.03177	-.19294	-.03226	-.19199
1.550	2.009	-3.94363	1.55172	.85748	.80069	.74250	.93940	.05679	-.19690	.05570	-.19582
1.550	3.994	-3.98324	1.55258	.92103	.75035	.71207	.94941	.17067	-.23734	.17041	-.23581
	GRADIENT	.01214	-.00006	.02457	-.02497	.00109	.00256	.04954	-.00147	.04947	-.00144

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R028) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 448/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-6.043	-4.05095	.79895	.74217	.77056	.04260	.00300
.600	-4.012	-4.03793	.80310	.78519	.79414	.04126	.00105
.599	-1.968	-4.06052	.81000	.81771	.81386	.04258	.00059
.599	.000	-3.97796	.81063	.82963	.82013	.04306	.00066
.599	2.005	-3.93847	.81089	.82406	.81748	.04289	-.00282
.599	3.971	-3.97489	.80726	.80196	.80461	.04281	-.00258
.600	5.952	-3.93987	.79927	.76262	.78094	.04079	-.00028
	GRADIENT	.01243	.00047	.00203	.00125	.00017	-.00053

RUN NO. 440/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.799	-5.979	-4.01016	.88048	.83100	.85574	.03814	-.00027
.799	-4.004	-4.03035	.88316	.86646	.87481	.03948	.00149
.799	-1.958	-4.01973	.88695	.89281	.88988	.04021	-.00006
.799	-.001	-4.04645	.88777	.90377	.89577	.03966	-.00077
.799	2.002	-3.93831	.88925	.89985	.89455	.04048	-.00055
.799	3.964	-3.96198	.88657	.88102	.88379	.04096	-.00341
.799	6.015	-3.99105	.87911	.84422	.86167	.04070	-.00400
	GRADIENT	.01097	.00046	.00184	.00115	.00016	-.00052

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R028) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 481/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-6.034	-4.05113	.93728	.89324	.91526	.03776	.00207
.900	-4.004	-4.03008	.94201	.92955	.93578	.03758	.00085
.900	-1.964	-4.04642	.94383	.95248	.94815	.03791	.00016
.900	-.014	-3.99767	.94441	.96184	.95313	.03885	-.00017
.900	2.001	-3.91723	.94406	.95710	.95058	.03919	-.00242
.899	3.967	-3.96216	.94280	.94058	.94169	.03832	-.00254
.900	5.951	-3.96869	.93866	.91024	.92445	.03756	-.00131
	GRADIENT	.01331	.00009	.00135	.00072	.00014	-.00047

RUN NO. 429/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.098	-6.009	-4.01430	1.07722	1.03588	1.05655	.03215	.00068
1.100	-3.989	-4.04300	1.08079	1.06619	1.07349	.03377	-.00021
1.100	-2.002	-4.08600	1.08249	1.08731	1.08490	.03502	.00139
1.100	.011	-3.95203	1.08410	1.09568	1.08989	.03434	-.00025
1.100	2.014	-3.96633	1.08430	1.09301	1.08866	.03462	-.00206
1.101	3.956	-3.93092	1.08289	1.07901	1.08095	.03496	-.00172
1.100	5.997	-4.00215	1.07769	1.04981	1.06375	.03470	-.00371
	GRADIENT	.01730	.00030	.00159	.00095	.00010	-.00032

RUN NO. 359/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.250	-5.969	-3.99129	1.14981	1.10865	1.12923	.03298	-.00110
1.250	-3.993	-4.02567	1.15215	1.13782	1.14499	.03410	-.00082
1.250	-1.966	-4.04408	1.15455	1.15960	1.15707	.03518	-.00106
1.250	-.002	-4.01388	1.15368	1.16890	1.16129	.03609	-.00151
1.250	2.002	-3.94760	1.15417	1.16664	1.16040	.03731	-.00175
1.249	3.971	-3.95156	1.15222	1.15167	1.15194	.03627	-.00187
1.251	6.010	-3.99759	1.14777	1.12389	1.13583	.03499	-.00169
	GRADIENT	.01229	-.00001	.00176	.00087	.00033	-.00014

RUN NO. 415/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.400	-6.018	-4.01459	1.17650	1.13433	1.15541	.03868	.00280
1.400	-4.015	-4.04066	1.17763	1.16235	1.16999	.03851	.00087
1.400	-1.984	-4.09176	1.17823	1.18120	1.17972	.03889	.00153
1.400	.005	-3.96710	1.17905	1.18979	1.18442	.03883	.00113
1.399	2.002	-3.93677	1.17992	1.18662	1.18327	.03859	-.00225
1.399	3.960	-3.95650	1.18014	1.17381	1.17698	.03988	-.00275
1.400	5.959	-3.97340	1.17832	1.14792	1.16312	.04084	-.00283
	GRADIENT	.01621	.00034	.00144	.00089	.00012	-.00055

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R028) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 368/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.450	-6.025	-4.01414	1.16129	1.12388	1.14259	.04019	.00098
1.450	-4.009	-4.04176	1.16324	1.15345	1.15835	.04192	.00220
1.450	-1.961	-4.02307	1.16176	1.16877	1.16527	.04293	.00326
1.450	.004	-4.03301	1.16205	1.17459	1.16832	.04041	.00397
1.449	2.001	-3.91918	1.16509	1.16985	1.16747	.04033	.00050
1.450	4.013	-4.00879	1.16738	1.15704	1.16221	.03996	-.00198
1.450	6.029	-4.01515	1.16784	1.13201	1.14992	.03784	-.00005
	GRADIENT	.00847	.00058	.00042	.00050	-.00032	-.00056

RUN NO. 405/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.500	-5.985	-4.00598	1.13370	1.09290	1.11330	.04167	-.00157
1.501	-4.027	-4.06360	1.12294	1.10948	1.11621	.04477	.00168
1.500	-1.965	-4.03926	1.12710	1.13118	1.12914	.04505	.00334
1.501	.003	-3.97443	1.11707	1.12678	1.12193	.04249	.00252
1.500	2.006	-3.94408	1.12466	1.12796	1.12631	.04225	.00072
1.500	3.968	-3.97513	1.13434	1.12412	1.12923	.04198	-.00192
1.499	5.961	-3.96708	1.14160	1.10779	1.12469	.04224	-.00195
	GRADIENT	.01366	.00102	.00132	.00117	-.00042	-.00049

RUN NO. 385/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.551	-5.954	-3.97413	.87953	.84184	.86069	.05876	.00061
1.549	-4.019	-4.03625	.84041	.82117	.83079	.05731	.00656
1.550	-1.969	-4.08122	.82352	.82187	.82270	.05059	.00747
1.551	-.001	-3.97410	.82262	.83273	.82767	.04230	.00322
1.550	2.009	-3.94363	.82963	.84041	.83502	.05007	-.01309
1.550	3.994	-3.98324	.83582	.82998	.83290	.06216	-.01720
1.550	5.978	-3.96744	.88573	.85913	.87243	.06321	-.00428
	GRADIENT	.01214	-.00016	.00181	.00082	.00045	-.00340

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R029) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.269 BETA = -4.000
PHI = .000

RUN NO. 278/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-6.049	-4.03997	319.99000	2.47910	1273.45000	1623.20000	1.09297	110.30000	.00000	7.43400	-146.16000
.599	-3.981	-3.98539	320.08700	2.47954	1273.95000	1623.80000	1.09298	110.30000	.00000	5.81600	-134.87000
.599	-2.023	-4.03274	319.83900	2.47914	1274.35001	1623.89999	1.09289	110.30000	.00000	4.71500	-116.55000
.599	-1.004	-3.95431	320.27200	2.48181	1274.53999	1624.60001	1.09298	110.20000	.00000	4.29100	-104.19000
.598	-.021	-3.99013	319.59600	2.47963	1274.96001	1624.20000	1.09275	110.10000	.00000	4.20400	-90.32000
.598	.997	-4.01469	319.69300	2.47992	1275.45000	1624.80000	1.09277	110.20000	.00000	4.34700	-76.14000
.600	2.002	-4.02378	320.89300	2.48534	1275.42999	1626.20000	1.09311	110.20000	.00000	4.69700	-63.68000
.599	4.013	-4.02707	320.02900	2.48120	1275.14999	1624.89999	1.09287	110.20000	.00000	5.86600	-45.23000
.598	6.085	-4.04068	318.93400	2.47391	1272.28000	1620.80000	1.09277	110.20000	.00000	7.46200	-33.70000
	GRADIENT	-.00497	.03124	.00037	.18705	.21916	-.00001	-.01422	.00000	.00646	11.71771

RUN NO. 316/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.004	-4.01051	348.74800	1.99745	615.56100	1040.70000	1.21904	109.80000	.00000	7.36100	-146.13000
.900	-3.955	-3.95702	349.03500	1.99822	615.65500	1041.20000	1.21920	109.90000	.00000	5.76500	-134.85000
.900	-1.975	-3.94172	348.94700	1.99767	615.45800	1040.89999	1.21922	109.90000	.00000	4.60400	-116.49000
.900	-.040	-3.98250	348.96600	1.99659	615.65700	1041.10001	1.21915	110.20000	.00000	4.18900	-90.57000
.900	1.976	-4.05560	348.88700	1.99618	615.55900	1040.89999	1.21914	110.20000	.00000	4.70500	-64.15000
.900	4.019	-4.02313	349.30100	1.99941	616.24900	1042.10001	1.21915	110.00000	.00000	5.85500	-45.17000
.899	6.050	-4.03914	349.42300	2.00078	617.54300	1043.39999	1.21874	110.10000	.00000	7.41400	-33.85000
	GRADIENT	-.01234	.02407	.00005	.06527	.09140	-.00001	.02473	.00000	.01619	11.64080

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R029) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.269 BETA = -4.000
PHI = .000

RUN NO. 278/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-6.049	-4.03997	1.05266	.65587	.94104	.65270	.83452	-.28517	-.18182	-.27991	-.17605
.599	-3.981	-3.98539	1.07124	.70582	.90581	.70151	.87815	-.19998	-.17664	-.19502	-.17119
.599	-2.023	-4.03274	1.07883	.75017	.86641	.72962	.91024	-.11624	-.18062	-.11061	-.17536
.599	-1.004	-3.95431	1.07913	.77355	.84420	.73818	.91621	-.07065	-.17803	-.06583	-.17335
.598	-.021	-3.99013	1.07978	.79501	.82412	.74326	.92112	-.02911	-.17786	-.02411	-.17326
.598	.997	-4.01469	1.07860	.81592	.80022	.74006	.92157	.01570	-.18151	.01910	-.17738
.600	2.002	-4.02378	1.07351	.83331	.77600	.73213	.91535	.05731	-.18322	.06094	-.17824
.599	4.013	-4.02707	1.06826	.87590	.73019	.70775	.89811	.14570	-.19035	.14933	-.18467
.598	6.085	-4.04068	1.05042	.91493	.68176	.66646	.85907	.23317	-.19261	.23717	-.18715
	GRADIENT	-.00497	-.00056	.02115	-.02207	.00073	.00224	.04322	-.00151	.04296	-.00152

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R029) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.269 BETA = -4.000
PHI = .000

RUN NO. 316/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-6.004	-4.01051	1.17146	.81448	1.06504	.81216	.97872	-.25056	-.16656	-.24563	-.16069
.900	-3.955	-3.95702	1.18503	.85870	1.03254	.85127	1.01303	-.17384	-.16176	-.16865	-.15544
.900	-1.975	-3.94172	1.18849	.89832	.99712	.87443	1.03353	-.09881	-.15910	-.09448	-.15311
.900	-.040	-3.98250	1.18790	.93429	.95854	.88233	1.04359	-.02425	-.16126	-.02043	-.15547
.900	1.976	-4.05560	1.18605	.97183	.91762	.87457	1.04304	.05421	-.16846	.05702	-.16293
.900	4.019	-4.02313	1.17940	1.00968	.87587	.85494	1.02528	.13382	-.17034	.13632	-.16439
.899	6.050	-4.03914	1.16503	1.04401	.83113	.81911	.99526	.21288	-.17616	.21490	-.16964
	GRADIENT	-.01234	-.00070	.01887	-.01975	.00034	.00168	.03861	-.00134	.03827	-.00140

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R029) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.269 BETA = -4.000
PHI = .000

RUN NO. 278/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-6.049	-4.03997	.79582	.74073	.76827	.04056	.00402
.599	-3.981	-3.98539	.80333	.78711	.79522	.04198	-.00098
.599	-2.023	-4.03274	.80547	.81730	.81139	.04409	.00030
.599	-1.004	-3.95431	.80646	.82486	.81566	.04314	.00216
.598	-.021	-3.99013	.80706	.82988	.81847	.04242	-.00280
.598	.997	-4.01469	.80637	.82875	.81756	.04186	-.00270
.600	2.002	-4.02378	.80284	.82125	.81205	.04238	-.00105
.599	4.013	-4.02707	.80123	.80009	.80066	.04375	-.00297
.598	6.085	-4.04068	.79634	.76003	.77819	.04170	-.00031
	GRADIENT	-.00497	-.00033	.00149	.00058	.00006	-.00037

RUN NO. 316/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-6.004	-4.01051	.93730	.89251	.91490	.03768	.00283
.900	-3.955	-3.95702	.94302	.92899	.93600	.03739	.00203
.900	-1.975	-3.94172	.94556	.95098	.94827	.03784	.00024
.900	-.040	-3.98250	.94451	.96007	.95229	.03840	-.00316
.900	1.976	-4.05560	.94332	.95604	.94968	.03862	-.00226
.900	4.019	-4.02313	.94152	.93713	.93933	.03881	-.00108
.899	6.050	-4.03914	.93656	.90393	.92024	.03862	-.00334
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R030) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.002 BETA = -4.000
PHI = .000

RUN NO. 313/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.006	-4.01232	349.13300	2.00026	615.95300	1041.60001	1.21915	109.60000	.00000	7.38400	-146.13000
.900	-4.033	-4.04291	348.81700	1.99863	615.56000	1040.80000	1.21909	109.60000	.00000	5.87900	-134.79000
.900	-1.966	-3.91296	349.21200	2.00067	616.05100	1041.80000	1.21917	109.60000	.00000	4.57500	-116.55000
.900	-1.017	-3.97383	349.58800	2.00199	616.34300	1042.60001	1.21931	109.70000	.00000	4.30500	-104.28000
.900	-.023	-3.97979	349.49600	2.00215	616.84400	1042.89999	1.21906	109.70000	.00000	4.18600	-90.33000
.900	.989	-4.04147	349.88200	2.00406	617.23500	1043.80000	1.21917	109.70000	.00000	4.36300	-76.32000
.900	1.994	-4.00335	349.86300	2.00378	617.03500	1043.60001	1.21923	109.70000	.00000	4.66700	-63.65000
.900	4.009	-4.03435	349.56600	2.00197	616.84200	1043.00000	1.21911	109.80000	.00000	5.85600	-45.32000
.900	5.995	-3.99061	349.39800	2.00101	616.54600	1042.50000	1.21911	109.80000	.00000	7.34300	-33.77000
	GRADIENT	-.00499	.10896	.00051	.18946	.32264	.00000	.02370	.00000	.00345	11.67478

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R030) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.002 BETA = -4.000
PHI = .000

RUN NO. 313/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-6.006	-4.01232	1.17309	.81361	1.06493	.82888	.97845	-.25132	-.14957	-.24568	-.16081
.900	-4.033	-4.04291	1.18497	.85402	1.03200	.86744	1.01181	-.17799	-.14437	-.17262	-.15927
.900	-1.966	-3.91296	1.19104	.89934	.99768	.89306	1.03381	-.09834	-.14075	-.09314	-.15231
.900	-1.017	-3.97383	1.19005	.91593	.97824	.91152	1.04073	-.06232	-.12921	-.05732	-.15564
.900	-.023	-3.97979	1.19115	.93603	.95946	.93610	1.04572	-.02343	-.10962	-.01935	-.15675
.900	.989	-4.04147	1.18881	.95279	.93759	.91520	1.04604	.01520	-.13084	.01897	-.16108
.900	1.994	-4.00335	1.18634	.97372	.91862	.91264	1.04216	.05510	-.12951	.05801	-.16011
.900	4.009	-4.03435	1.18116	1.01010	.87600	.90585	1.02636	.13410	-.12051	.13710	-.16569
.900	5.995	-3.99061	1.16853	1.04538	.83442	.85249	.99638	.21096	-.14388	.21344	-.16771
	GRADIENT	-.00499	-.00052	.01925	-.01954	.00466	.00190	.03879	.00275	.03843	-.00111

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R030) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.002 BETA = -4.000
PHI = .000

RUN NO. 313/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-6.006	-4.01232	.93645	.90929	.92287	.03656	-.00067
.900	-4.033	-4.04291	.94033	.94707	.94370	.03795	.00367
.900	-1.966	-3.91296	.94591	.96922	.95757	.03800	-.00180
.900	-1.017	-3.97383	.94458	.98934	.96696	.03795	-.00233
.900	-.023	-3.97979	.94571	1.01448	.98009	.03798	-.00296
.900	.989	-4.04147	.94331	.99574	.96952	.03824	-.00191
.900	1.994	-4.00335	.94472	.99270	.96871	.03927	.00071
.900	4.009	-4.03435	.94155	.98870	.96512	.03889	-.00300
.900	5.995	-3.99061	.93866	.93635	.93750	.03819	-.00003
	GRADIENT	-.00499	.00003	.00521	.00262	.00016	-.00051

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R031) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 449/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.019	-2.02823	323.14300	2.50554	1283.64999	1636.89999	1.09317	109.60000	.00000	6.52200	-161.31000
.599	-4.013	-1.99825	321.79200	2.49550	1280.89000	1632.60001	1.09297	109.90000	.00000	4.67800	-153.43000
.599	-1.992	-1.94062	320.98600	2.49009	1279.41000	1630.20000	1.09285	110.00000	.00000	3.00300	-135.57000
.600	-.012	-1.94444	323.15900	2.50394	1284.35001	1637.60001	1.09312	110.00000	.00000	2.18900	-90.40000
.599	1.953	-1.95759	321.69000	2.49615	1280.19000	1631.80000	1.09301	109.60000	.00000	2.98700	-45.31000
.599	3.956	-1.97610	322.63100	2.50163	1283.75999	1636.39999	1.09301	109.90000	.00000	4.61700	-26.66000
.599	5.962	-1.98244	321.67200	2.49430	1279.39999	1631.00000	1.09304	109.80000	.00000	6.45400	-18.46000
	GRADIENT	.00140	.11982	.00092	.32840	.46321	.00001	-.01994	.00000	-.00772	17.27997

RUN NO. 441/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.006	-2.01149	321.70300	1.99648	718.94800	1095.39999	1.17018	109.60000	.00000	6.50100	-161.42000
.800	-4.040	-2.02435	322.47800	2.00024	720.52800	1097.89999	1.17023	109.80000	.00000	4.71100	-153.30000
.799	-2.025	-2.02586	322.34000	1.99989	720.73100	1097.89999	1.17010	109.80000	.00000	3.08400	-134.79000
.797	-.008	-1.96516	321.47300	1.99910	722.54700	1098.39999	1.16916	109.60000	.00000	2.20900	-90.26000
.799	1.952	-1.96600	322.43400	2.00146	721.02800	1098.30000	1.17008	109.60000	.00000	2.99200	-45.44000
.799	3.977	-1.99917	322.25900	2.00127	720.63300	1097.70000	1.17007	109.40000	.00000	4.64400	-26.80000
.800	6.034	-2.02448	322.31500	2.00075	720.33200	1097.50000	1.17018	109.50000	.00000	6.53100	-18.61000
	GRADIENT	.00551	-.01772	.00018	.02615	.00004	-.00002	-.05001	.00000	-.01193	17.09856

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R031) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 482/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.956	-2.06115	349.77500	1.99825	616.83800	1043.30000	1.21925	110.80000	.00000	6.45500	-160.84000
.900	-4.011	-2.01355	349.38900	1.99635	616.44600	1042.39999	1.21914	110.80000	.00000	4.66900	-153.24000
.900	-1.966	-1.92702	349.18400	1.99438	615.75200	1041.50000	1.21927	110.90000	.00000	2.96700	-135.37000
.900	-.007	-2.05013	348.88700	1.99303	615.55900	1040.89999	1.21914	110.90000	.00000	2.28800	-90.13000
.901	1.976	-1.97322	350.23300	1.99881	616.52900	1043.70000	1.21968	111.00000	.00000	3.01000	-45.15000
.900	3.962	-1.98776	349.81200	1.99746	617.23600	1043.70000	1.21912	111.10000	.00000	4.61900	-26.73000
.899	5.973	-1.99820	348.60800	1.99150	615.56400	1040.50000	1.21895	111.00000	.00000	6.45600	-18.55000
	GRADIENT	.00033	.09494	.00033	.11777	.24021	.00002	.03522	.00000	-.00421	17.24610

RUN NO. 430/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-5.965	-1.98007	371.56800	1.89807	438.75000	936.70000	1.33743	109.70000	.00000	6.41800	-161.58000
1.102	-3.975	-2.00029	373.97800	1.90856	440.30600	941.90000	1.33842	109.80000	.00000	4.61700	-153.20000
1.101	-1.966	-1.91463	371.39700	1.89689	437.85800	935.80000	1.33796	109.60000	.00000	2.95000	-135.57000
1.100	-.010	-2.05005	371.83900	1.89920	439.24300	937.50000	1.33729	109.80000	.00000	2.28100	-90.27000
1.099	1.999	-2.00362	371.74100	1.89936	439.34400	937.40000	1.33713	109.70000	.00000	3.03600	-45.26000
1.101	3.959	-1.97545	372.34600	1.90104	439.13600	938.30000	1.33784	109.80000	.00000	4.59400	-26.60000
1.100	5.954	-1.98954	372.44000	1.90137	439.93000	939.00000	1.33731	110.00000	.00000	6.41000	-18.52000
	GRADIENT	-.00194	-.14807	-.00064	-.04381	-.28431	-.00010	.00493	.00000	.00147	17.31863

RUN NO. 360/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-5.953	-2.03615	404.09100	1.94777	369.70400	957.10000	1.42310	110.80000	.00000	6.42100	-161.06000
1.250	-3.992	-2.00539	404.69300	1.95107	370.19300	958.50000	1.42315	110.70000	.00000	4.63400	-153.25000
1.250	-2.019	-1.95831	404.41700	1.94895	369.60200	957.70000	1.42345	110.80000	.00000	3.01700	-135.72000
1.250	-.009	-2.02650	403.05200	1.94289	368.42700	954.50000	1.42339	110.70000	.00000	2.25800	-90.29000
1.250	1.997	-1.99900	403.48100	1.94560	369.01700	955.60000	1.42321	110.60000	.00000	3.03000	-45.27000
1.250	4.000	-1.99362	403.82200	1.94633	369.31100	956.40000	1.42323	110.80000	.00000	4.63600	-26.60000
1.250	6.014	-2.00874	404.06200	1.94667	369.60500	957.00000	1.42316	111.00000	.00000	6.46900	-18.54000
	GRADIENT	-.00087	-.13376	-.00064	-.11719	-.31461	-.00000	-.00003	.00000	.00164	17.19304

RUN NO. 416/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-5.958	-1.98641	429.41100	2.00266	313.10600	996.00000	1.49349	109.60000	.00000	6.40400	-161.54000
1.400	-3.982	-1.99167	429.32600	2.00224	313.00800	995.80000	1.49352	109.60000	.00000	4.61400	-153.38000
1.400	-1.981	-1.91795	429.11100	2.00120	312.81200	995.30000	1.49356	109.60000	.00000	2.95800	-135.80000
1.400	-.006	-2.06053	428.98400	2.00053	312.61600	995.00000	1.49366	109.60000	.00000	2.28800	-90.21000
1.400	1.960	-1.96382	429.76000	2.00369	313.20200	996.80000	1.49364	109.70000	.00000	2.97700	-45.30000
1.398	3.954	-1.98866	429.95900	2.00569	314.09100	997.30000	1.49295	109.60000	.00000	4.59000	-26.82000
1.399	6.024	-2.01818	430.39600	2.01083	314.18600	998.30000	1.49315	108.90000	.00000	6.47600	-18.60000
	GRADIENT	-.00201	.09646	.00047	.12890	.22668	-.00005	.00502	.00000	-.00182	17.33419

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R031) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 369/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-5.955	-2.05420	433.64700	2.00014	294.45400	1006.60000	1.51386	110.80000	.00000	6.42100	-160.90000
1.450	-4.015	-2.00850	433.13800	1.99790	294.26100	1005.40000	1.51371	110.80000	.00000	4.64900	-153.33000
1.450	-2.009	-2.01197	432.35900	1.99427	293.67400	1003.60000	1.51377	110.80000	.00000	3.04300	-134.76000
1.450	-.007	-2.03166	433.47600	1.99936	294.35600	1006.20000	1.51384	110.80000	.00000	2.26000	-90.15000
1.449	1.992	-2.00061	432.94000	1.99583	294.46100	1004.90000	1.51340	111.10000	.00000	3.02500	-45.29000
1.450	3.956	-1.97614	432.32300	1.99419	293.77400	1003.50000	1.51365	110.80000	.00000	4.58600	-26.61000
1.450	5.979	-1.98663	432.58800	1.99549	294.06800	1004.10000	1.51354	110.80000	.00000	6.42500	-18.41000
	GRADIENT	.00380	-.05229	-.00029	-.00911	-.12465	-.00003	.01515	.00000	-.00843	17.19782

RUN NO. 406/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-5.959	-2.04291	435.11500	1.99679	276.17000	1014.20000	1.53232	110.20000	.00000	6.42200	-161.05000
1.499	-4.036	-2.03166	435.07300	1.99727	276.46900	1014.00000	1.53201	110.10000	.00000	4.67800	-153.24000
1.501	-2.019	-2.00881	435.08900	1.99657	275.97200	1014.20000	1.53250	110.20000	.00000	3.04700	-134.99000
1.500	-.004	-2.05385	435.21800	1.99642	276.36800	1014.40000	1.53220	110.40000	.00000	2.28100	-90.10000
1.500	2.005	-2.01230	434.99600	1.99677	276.17200	1013.90000	1.53225	110.10000	.00000	3.04200	-45.29000
1.500	4.010	-1.99662	435.50700	2.00097	276.46400	1015.10000	1.53228	109.70000	.00000	4.64200	-26.55000
1.499	6.019	-2.00668	436.30100	2.00350	277.44900	1016.80000	1.53181	110.00000	.00000	6.46800	-18.49000
	GRADIENT	.00331	.03849	.00038	.00940	.09438	.00001	-.04465	.00000	-.00427	17.05484

RUN NO. 386/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.551	-6.016	-2.01129	437.49100	2.00104	259.87800	1027.30000	1.54965	109.50000	.00000	6.46500	-161.44000
1.551	-3.999	-2.00544	438.24400	2.00398	260.26700	1029.10001	1.54971	109.60000	.00000	4.63400	-153.26000
1.550	-1.985	-1.92471	438.42000	2.00403	260.76400	1029.30000	1.54932	109.80000	.00000	2.96400	-135.72000
1.551	-.002	-2.00490	437.07700	1.99917	259.68500	1026.30000	1.54960	109.50000	.00000	2.23300	-90.15000
1.549	2.010	-2.01096	438.49700	2.00588	260.96300	1029.39999	1.54917	109.50000	.00000	3.04500	-45.17000
1.550	3.967	-1.98389	438.11500	2.00395	260.36900	1028.70000	1.54954	109.50000	.00000	4.59900	-26.70000
1.549	5.994	-1.98424	437.47900	2.00124	260.37900	1027.00000	1.54916	109.50000	.00000	6.43800	-18.36000
	GRADIENT	-.00216	-.00886	.00009	.02064	-.03477	-.00003	-.02505	.00000	-.00063	17.24851

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R031) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 449/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.600	-6.019	-2.02823	1.07088	.68616	.95495	.70189	.79526	-.26879	-.09337	-.26903	-.09008
.599	-4.013	-1.99825	1.08683	.73643	.92231	.74856	.83974	-.18583	-.09118	-.18626	-.08768
.599	-1.992	-1.94062	1.09150	.78284	.88568	.77835	.86803	-.10284	-.08967	-.10339	-.08628
.600	-.012	-1.94444	1.09005	.82513	.84229	.78764	.88138	-.01715	-.09374	-.01796	-.08997
.599	1.953	-1.95759	1.08688	.86423	.79736	.77769	.87558	.06687	-.09789	.06501	-.09512
.599	3.956	-1.97610	1.08295	.90391	.75253	.75331	.85510	.15138	-.10180	.14968	-.09828
	5.962	-1.98244	1.07005	.94182	.70561	.71271	.81982	.23621	-.10711	.23521	-.10330
	GRADIENT	.00140	-.00062	.02094	-.02152	.00046	.00194	.04245	-.00148	.04226	-.00151

RUN NO. 441/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.800	-6.006	-2.01149	1.14942	.77032	1.02347	.78896	.87631	-.25314	-.08735	-.25291	-.08366
.800	-4.040	-2.02435	1.16157	.81530	.99163	.82836	.91502	-.17633	-.08667	-.17690	-.08359
.799	-2.025	-2.02586	1.16548	.85988	.95515	.85443	.94069	-.09527	-.08623	-.09587	-.08317
.797	-.008	-1.96516	1.16586	.90145	.91633	.86563	.95172	-.01488	-.08640	-.01515	-.08341
.799	1.952	-1.96600	1.16544	.93912	.87832	.85872	.94809	.06080	-.08937	.05961	-.08670
.799	3.977	-1.99917	1.16091	.97698	.83361	.83482	.93083	.14338	-.09602	.14215	-.09396
.800	6.034	-2.02448	1.14843	1.01193	.78843	.79779	.89828	.22350	-.10049	.22229	-.09829
	GRADIENT	.00551	-.00007	.02012	-.01963	.00087	.00196	.03975	-.00109	.03966	-.00121

RUN NO. 482/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-5.956	-2.06115	1.20574	.83394	1.07571	.85519	.93791	-.24177	-.08273	-.24077	-.08346
.900	-4.011	-2.01355	1.21521	.87641	1.04518	.89190	.97100	-.16877	-.07910	-.16801	-.07994
.900	-1.966	-1.92702	1.21564	.91670	1.00696	.91486	.99094	-.09026	-.07608	-.08992	-.07723
.900	-.007	-2.05013	1.21850	.95650	.97180	.92237	1.00736	-.01529	-.08499	-.01511	-.08625
.901	1.976	-1.97322	1.20971	.98767	.92803	.91193	.99536	.05964	-.08342	.05868	-.08496
.900	3.962	-1.98776	1.21219	1.02933	.89374	.89642	.98633	.13559	-.08991	.13463	-.09089
.899	5.973	-1.99820	1.20100	1.06279	.85139	.86291	.95685	.21140	-.09394	.21068	-.09519
	GRADIENT	.00033	-.00060	.01895	-.01920	.00032	.00178	.03815	-.00145	.03791	-.00149

RUN NO. 430/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.100	-5.965	-1.98007	1.32205	.98476	1.20118	1.00363	1.07732	-.21641	-.07369	-.21639	-.07105
1.102	-3.975	-2.00029	1.33260	1.02441	1.17373	1.03694	1.10989	-.14933	-.07295	-.14927	-.06996
1.101	-1.966	-1.91463	1.33379	1.06087	1.14109	1.05695	1.12682	-.08022	-.06988	-.08045	-.06743
1.100	-.010	-2.05005	1.33348	1.09300	1.10646	1.06085	1.13782	-.01346	-.07697	-.01374	-.07407
1.099	1.999	-2.00362	1.33210	1.12689	1.07197	1.05552	1.13394	.05492	-.07842	.05356	-.07567
1.101	3.959	-1.97545	1.32871	1.15862	1.03625	1.03799	1.11959	.12237	-.08160	.12099	-.07886
1.100	5.954	-1.98954	1.31950	1.18871	.99874	1.00876	1.09402	.18998	-.08525	.18919	-.08330
	GRADIENT	-.00194	-.00048	.01686	-.01735	.00004	.00134	.03421	-.00130	.03401	-.00131

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R031) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 360/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.250	-5.953	-2.03615	1.41272	1.05061	1.27775	1.07700	1.14689	-.22714	-.06989	-.22587	-.07010
1.250	-3.992	-2.00539	1.42111	1.08973	1.24996	1.10880	1.17526	-.16063	-.06646	-.15989	-.06709
1.250	-2.019	-1.95831	1.42479	1.12630	1.21837	1.12837	1.19594	-.09208	-.06757	-.09119	-.06767
1.250	-.009	-2.02650	1.42338	1.16058	1.18139	1.13190	1.20900	-.02081	-.07710	-.02023	-.07776
1.250	1.997	-1.99900	1.42304	1.19593	1.14453	1.12556	1.20933	.05140	-.08377	.05151	-.08402
1.250	4.000	-1.99362	1.41934	1.23033	1.10596	1.10711	1.19519	.12437	-.08808	.12480	-.08850
1.250	6.014	-2.00874	1.40872	1.26230	1.06616	1.07707	1.16870	.19614	-.09163	.19609	-.09168
	GRADIENT	-.00087	-.00027	.01758	-.01809	-.00032	.00265	.03568	-.00297	.03560	-.00296

RUN NO. 416/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.400	-5.958	-1.98641	1.48879	1.06907	1.31264	1.09510	1.18202	-.24357	-.08692	-.24419	-.08436
1.400	-3.982	-1.99167	1.49337	1.10827	1.27751	1.12339	1.20801	-.16925	-.08462	-.16988	-.08162
1.400	-1.981	-1.91795	1.49303	1.14951	1.24022	1.14523	1.22501	-.09071	-.07973	-.09083	-.07751
1.400	-.006	-2.06053	1.49068	1.18590	1.20159	1.14878	1.23453	-.01569	-.08575	-.01598	-.08368
1.400	1.960	-1.96382	1.49059	1.22253	1.16453	1.14547	1.23021	.05799	-.08473	.05678	-.08243
1.398	3.954	-1.98866	1.49164	1.26133	1.12638	1.12916	1.21967	.13495	-.09051	.13395	-.08839
1.399	6.024	-2.01818	1.48479	1.30062	1.08386	1.09960	1.19487	.21676	-.09527	.21559	-.09295
	GRADIENT	-.00201	-.00030	.01914	-.01907	.00060	.00144	.03821	-.00085	.03812	-.00093

RUN NO. 369/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.450	-5.955	-2.05420	1.50065	1.04890	1.30344	1.07341	1.17730	-.25454	-.10390	-.25426	-.10265
1.450	-4.015	-2.00850	1.50707	1.08793	1.26404	1.10123	1.20104	-.17611	-.09981	-.17573	-.09836
1.450	-2.009	-2.01197	1.50890	1.13024	1.21882	1.11911	1.21480	-.08858	-.09569	-.08834	-.09450
1.450	-.007	-2.03166	1.50824	1.17266	1.17755	1.12882	1.21530	-.00489	-.08648	-.00417	-.08523
1.449	1.992	-2.00061	1.50839	1.21130	1.14182	1.12811	1.20856	.06947	-.08045	.06879	-.07945
1.450	3.956	-1.97614	1.50456	1.25275	1.10599	1.11522	1.19799	.14676	-.08276	.14603	-.08113
1.450	5.979	-1.98663	1.49599	1.29486	1.06854	1.09130	1.17635	.22632	-.08505	.22558	-.08321
	GRADIENT	.00380	-.00028	.02059	-.01971	.00187	-.00061	.04031	.00248	.04015	.00249

RUN NO. 406/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.500	-5.959	-2.04291	1.52535	1.00974	1.28319	1.03868	1.14890	-.27345	-.11022	-.27332	-.10791
1.499	-4.036	-2.03166	1.52698	1.04312	1.23199	1.05858	1.16351	-.18887	-.10493	-.18899	-.10322
1.501	-2.019	-2.00881	1.52628	1.07843	1.17895	1.06770	1.17019	-.10052	-.10249	-.10088	-.10083
1.500	-.004	-2.05385	1.52373	1.11761	1.12833	1.06885	1.17069	-.01072	-.10184	-.01112	-.10043
1.500	2.005	-2.01230	1.52534	1.16372	1.09024	1.07105	1.16623	.07348	-.09518	.07229	-.09383
1.500	4.010	-1.99662	1.52315	1.21306	1.05805	1.06524	1.16027	.15501	-.09503	.15411	-.09356
1.499	6.019	-2.00668	1.52147	1.27143	1.03233	1.05544	1.15421	.23910	-.09877	.23801	-.09725
	GRADIENT	.00331	-.00043	.02113	-.02171	.00083	-.00052	.04284	.00135	.04272	.00131

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R031) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 386/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.551	-6.016	-2.01129	1.55407	.70587	1.03813	.76725	.88360	-.33226	-.11635	-.33232	-.11502
1.551	-3.999	-2.00544	1.55205	.73071	.93218	.74908	.85193	-.20147	-.10285	-.20159	-.10121
1.550	-1.985	-1.92471	1.55396	.89004	.97863	.88112	.96065	-.08859	-.07954	-.08864	-.07821
1.551	-.002	-2.00490	1.55489	1.01035	1.03248	.97466	1.05794	-.02213	-.08328	-.02244	-.08193
1.549	2.010	-2.01096	1.55369	1.04179	.99743	.96762	1.06145	.04436	-.09382	.04316	-.09236
1.550	3.967	-1.98389	1.55125	.91317	.76393	.74754	.88863	.14924	-.14109	.14867	-.13996
1.549	5.994	-1.98424	1.55264	.99991	.71190	.73574	.89659	.28802	-.16085	.28737	-.15966
	GRADIENT	-.00216	-.00009	.02604	-.01583	.00433	.00886	.04187	-.00453	.04176	-.00457

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R031) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 449/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.600	-6.019	-2.02823	.82068	.74693	.78381	.04151	.00117
.599	-4.013	-1.99825	.82961	.79240	.81101	.04079	.00125
.599	-1.992	-1.94062	.83453	.82149	.82801	.04218	-.00052
.600	-.012	-1.94444	.83411	.83262	.83337	.04298	-.00273
.599	1.953	-1.95759	.83172	.82525	.82849	.04200	-.00201
.599	3.956	-1.97610	.82907	.80245	.81576	.04250	-.00185
.599	5.962	-1.98244	.82422	.76436	.79429	.04269	-.00283
	GRADIENT	.00140	-.00019	.00121	.00051	.00016	-.00039

RUN NO. 441/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.800	-6.006	-2.01149	.89678	.83080	.86379	.03831	-.00001
.800	-4.040	-2.02435	.90374	.87015	.88695	.03940	.00014
.799	-2.025	-2.02586	.90782	.89604	.90193	.04068	.00020
.797	-.008	-1.96516	.90902	.90703	.90803	.03859	-.00066
.799	1.952	-1.96600	.90932	.90207	.90569	.03940	-.00299
.799	3.977	-1.99917	.90591	.88179	.89385	.04039	-.00313
.800	6.034	-2.02448	.90079	.84693	.87386	.03824	-.00160
	GRADIENT	.00551	.00029	.00147	.00088	.00003	-.00048

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R031) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 482/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-5.956	-2.06115	.95433	.89691	.92562	.03723	.00139
.900	-4.011	-2.01355	.96041	.93187	.94614	.03778	.00264
.900	-1.966	-1.92702	.96166	.95348	.95757	.03845	-.00262
.900	-.007	-2.05013	.96406	.96550	.96478	.03752	-.00224
.901	1.976	-1.97322	.95833	.95441	.95637	.03766	-.00034
.900	3.962	-1.98776	.96201	.94186	.95194	.03823	-.00338
.899	5.973	-1.99820	.95745	.91050	.93398	.03760	-.00152
	GRADIENT	.00033	-.00000	.00107	.00053	.00001	-.00049

RUN NO. 430/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.100	-5.965	-1.98007	1.09296	1.03916	1.06606	.03358	-.00003
1.102	-3.975	-2.00029	1.09905	1.07192	1.08548	.03400	.00171
1.101	-1.966	-1.91463	1.10110	1.09067	1.09588	.03437	-.00139
1.100	-.010	-2.05005	1.09987	1.09789	1.09888	.03364	-.00266
1.099	1.999	-2.00362	1.10011	1.09336	1.09673	.03390	-.00062
1.101	3.959	-1.97545	1.09813	1.07742	1.08777	.03446	-.00217
1.100	5.954	-1.98954	1.09411	1.05041	1.07226	.03407	-.00226
	GRADIENT	-.00194	-.00014	.00070	.00028	.00002	-.00035

RUN NO. 360/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.250	-5.953	-2.03615	1.16354	1.11205	1.13780	.03337	.00165
1.250	-3.992	-2.00539	1.16927	1.14235	1.15581	.03421	.00129
1.250	-2.019	-1.95831	1.17190	1.16221	1.16705	.03519	-.00310
1.250	-.009	-2.02650	1.17069	1.17078	1.17074	.03542	-.00474
1.250	1.997	-1.99900	1.17018	1.16757	1.16887	.03637	-.00235
1.250	4.000	-1.99362	1.16793	1.15136	1.15964	.03614	-.00192
1.250	6.014	-2.00874	1.16425	1.12291	1.14358	.03503	-.00141
	GRADIENT	-.00087	-.00022	.00116	.00047	.00025	-.00028

RUN NO. 416/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.400	-5.958	-1.98641	1.19116	1 13728	1.16422	.03701	.00074
1.400	-3.982	-1.99167	1.19321	1.16420	1.17871	.03880	.00267
1.400	-1.981	-1.91795	1.19492	1.18404	1.18948	.03910	-.00113
1.400	-.006	-2.06053	1.19389	1.19062	1.19225	.03697	-.00144
1.400	1.960	-1.96382	1.19414	1.18669	1.19041	.03771	-.00055
1.338	3.954	-1.98866	1.19435	1.17335	1.18385	.03930	-.00337
1.399	6.024	-2.01818	1.19282	1.14607	1.16945	.03952	-.00162
	GRADIENT	-.00201	.00008	.00106	.00057	-.00002	-.00058

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R031) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 369/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.450	-5.955	-2.05420	1.17603	1.12473	1.15038	.03968	.00249
1.450	-4.015	-2.00850	1.17580	1.15041	1.16310	.04209	.00165
1.450	-2.009	-2.01197	1.17441	1.16636	1.17038	.04404	.00335
1.450	-.007	-2.03166	1.17474	1.17144	1.17309	.03858	.00463
1.449	1.992	-2.00061	1.17690	1.16784	1.17237	.03726	.00070
1.450	3.956	-1.97614	1.17974	1.15579	1.16776	.03992	-.00138
1.450	5.979	-1.98663	1.18207	1.13291	1.15749	.03902	-.00085
	GRADIENT	.00380	.00052	.00062	.00057	-.00056	-.00043

RUN NO. 406/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.500	-5.959	-2.04291	1.14640	1.09264	1.11952	.04402	.00263
1.499	-4.036	-2.03166	1.13762	1.11019	1.12390	.04354	.00207
1.501	-2.019	-2.00881	1.12887	1.11811	1.12349	.04446	.00002
1.500	-.004	-2.05385	1.12317	1.11907	1.12112	.04328	.00201
1.500	2.005	-2.01230	1.12757	1.11797	1.12277	.04061	.00240
1.500	4.010	-1.99662	1.13600	1.11202	1.12401	.04127	-.00135
1.499	6.019	-2.00668	1.15242	1.10406	1.12824	.04200	-.00208
	GRADIENT	.00331	-.00023	.00018	-.00003	-.00042	-.00022

RUN NO. 386/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.551	-6.016	-2.01129	.87203	.82476	.84839	.06564	.00461
1.551	-3.999	-2.00544	.83150	.79969	.81560	.06319	.01133
1.550	-1.985	-1.92471	.93436	.92022	.92729	.04425	.00487
1.551	-.002	-2.00490	1.02157	1.01562	1.01860	.02789	-.00239
1.549	2.010	-2.01096	1.02021	1.01380	1.01701	.04217	-.01656
1.550	3.967	-1.98389	.83884	.81752	.82818	.06343	-.02045
1.549	5.994	-1.98424	.85623	.81557	.83590	.07093	-.00436
	GRADIENT	-.00216	.00516	.00661	.00589	-.00010	-.00427

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R032) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.269 BETA = -2.000
PHI = .000

RUN NO. 279/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-5.993	-1.99457	319.75400	2.47931	1274.36000	1623.80000	1.09284	110.20000	.00000	6.48900	-161.56000
.599	-3.911	-1.96865	319.84600	2.47957	1274.64999	1624.20000	1.09287	110.20000	.00000	4.57500	-153.23000
.599	-1.998	-1.99166	320.05000	2.47903	1272.36000	1622.20000	1.09308	110.20000	.00000	3.04300	-134.94000
.599	-1.027	-1.95932	319.77700	2.47724	1271.66000	1621.20000	1.09307	110.20000	.00000	2.44700	-117.52000
.598	-.068	-1.95008	319.50300	2.47676	1274.66000	1623.80000	1.09276	110.50000	.00000	2.19400	-92.04000
.599	.987	-1.97931	319.89000	2.47706	1272.86000	1622.50000	1.09300	110.50000	.00000	2.44600	-63.75000
.599	1.974	-1.98016	320.01100	2.47936	1274.35001	1624.10001	1.09290	110.40000	.00000	3.01600	-45.28000
.600	3.954	-1.97069	319.75600	2.47586	1270.77000	1620.30000	1.09308	110.30000	.00000	4.61200	-26.57000
.599	6.105	-2.03768	320.37200	2.48219	1275.14000	1625.30000	1.09298	110.30000	.00000	6.60400	-18.51000
	GRADIENT	-.00016	-.00737	-.00038	-.24962	-.25292	.00001	.02637	.00000	.00620	17.88075

RUN NO. 318/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.955	-2.00844	349.95500	2.00135	616.53500	1043.30003	1.21949	110.20000	.00000	6.44100	-161.28000
.899	-4.010	-2.00651	348.96200	1.99730	616.35500	1041.70000	1.21889	110.20000	.00000	4.66900	-153.30000
.900	-2.014	-1.93176	349.45300	1.99847	615.64700	1041.80000	1.21949	110.20000	.00000	3.00700	-135.96000
.900	-.012	-2.03011	349.48700	1.99975	616.74400	1042.80000	1.21909	110.20000	.00000	2.27100	-90.35000
.899	.975	-1.98291	349.27800	1.99894	616.74800	1042.50000	1.21895	110.20000	.00000	3.01600	-45.37000
.900	3.987	-2.00230	349.44900	1.99874	616.34500	1042.39999	1.21922	110.30000	.00000	4.64600	-26.80000
.900	5.952	-1.98017	349.22200	1.99765	616.15000	1041.89999	1.21914	110.30000	.00000	6.42900	-18.48000
	GRADIENT	-.00215	.04001	.00017	.05405	.10509	.00001	.01002	.00000	-.00166	17.19192

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R032) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.269 BETA = -2.000
PHI = .000

RUN NO. 279/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-5.993	-1.99457	1.06310	.68371	.96028	.70663	.79638	-.27657	-.08975	-.27090	-.08404
.599	-3.911	-1.96865	1.07795	.73414	.92439	.75236	.84121	-.19075	-.08885	-.18557	-.08345
.599	-1.998	-1.99166	1.08201	.77858	.88679	.77774	.87164	-.10820	-.09390	-.10326	-.08883
.599	-1.027	-1.95932	1.08175	.79979	.86712	.78577	.87853	-.06733	-.09276	-.06241	-.08792
.598	-.068	-1.95008	1.08514	.82320	.84944	.79201	.88604	-.02624	-.09404	-.02141	-.08927
.599	.987	-1.97931	1.08153	.84278	.82407	.78750	.88340	.01871	-.09590	.02295	-.09075
.599	1.974	-1.98016	1.08057	.86346	.80099	.78069	.87736	.06247	-.09666	.06586	-.09214
.600	3.954	-1.97069	1.07345	.89971	.75540	.75480	.85533	.14431	-.10052	.14758	-.09529
.599	6.105	-2.03768	1.05779	.93829	.70442	.70887	.81767	.23387	-.10880	.23740	-.10432
	GRADIENT	-.00016	-.00052	.02112	-.02156	.00036	.00169	.04268	-.00134	.04240	-.00137

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R032) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.269 BETA = -2.000
PHI = .000

RUN NO. 318/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-5.955	-2.00844	1.17802	.83471	1.07968	.85494	.94238	-.24497	-.08744	-.23900	-.08103
.899	-4.010	-2.00651	1.18003	.87787	1.04936	.89147	.97695	-.17150	-.08548	-.16638	-.07922
.900	-2.014	-1.93176	1.19287	.91977	1.01449	.91668	.99780	-.09472	-.08112	-.08999	-.07500
.900	-.012	-2.03011	1.19276	.95774	.97593	.92350	1.01018	-.01819	-.08668	-.01413	-.08095
.899	1.975	-1.98291	1.19082	.99491	.93697	.91622	1.00617	.05784	-.08995	.06042	-.08431
.900	3.987	-2.00230	1.18577	1.03055	.89558	.89443	.98914	.13497	-.09472	.13714	-.08895
.900	5.952	-1.98017	1.17386	1.06330	.85415	.86177	.95969	.20916	-.09791	.21113	-.09204
	GRADIENT	-.00215	-.00053	.01904	-.01927	.00027	.00164	.03831	-.00137	.03791	-.00144

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R032) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.269 BETA = -2.000
PHI = .000

RUN NO. 279/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-5.993	-1.99457	.81916	.74866	.78391	.04027	.00160
.599	-3.911	-1.96865	.82692	.79409	.81050	.04240	-.00234
.599	-1.998	-1.99166	.83021	.82215	.82618	.04237	-.00013
.599	-1.027	-1.95932	.83099	.82973	.83036	.04244	.00013
.598	-.068	-1.95008	.83391	.83664	.83527	.04232	-.00183
.599	.987	-1.97931	.83130	.83288	.83209	.04283	-.00133
.599	1.974	-1.98016	.83053	.82676	.82864	.04298	-.00130
.600	3.954	-1.97069	.82592	.80245	.81419	.04097	-.00274
.599	6.105	-2.03768	.81959	.76103	.79031	.04215	-.00492
	GRADIENT	-.00016	-.00008	.00104	.00048	-.00010	-.00013

RUN NO. 318/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-5.955	-2.00844	.95421	.89545	.92483	.03708	.00023
.899	-4.010	-2.00651	.96105	.93108	.94607	.03785	.00234
.900	-2.014	-1.93176	.96477	.95418	.95947	.03827	-.00049
.900	-.012	-2.03011	.96481	.96397	.96439	.03753	-.00294
.899	1.975	-1.98291	.96460	.95838	.96149	.03786	-.00172
.900	3.987	-2.00230	.96198	.93890	.95044	.03801	-.00215
.900	5.952	-1.98017	.95773	.90779	.93276	.03746	-.00128
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R033) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.999 BETA = -2.000
PHI = .000

RUN NO. 314/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.899	-6.025	-2.01541	348.56700	1.99706	615.86500	1040.70000	1.21880	109.80000	.00000	6.50900	-161.42000
.900	-3.988	-1.99062	348.65900	1.99690	615.36400	1040.39999	1.21906	109.80000	.00000	4.64300	-153.35000
.900	-2.024	-2.02493	348.93400	1.99779	616.05700	1041.39999	1.21898	110.00000	.00000	3.07900	-134.76000
.900	-1.012	-2.01653	349.98000	2.00339	617.53200	1044.20000	1.21912	110.00000	.00000	2.48900	-116.44000
.900	-.001	-1.96084	350.15100	2.00273	617.12900	1044.10001	1.21939	110.20000	.00000	2.20300	-90.06000
.900	.966	-2.04629	348.90000	1.99471	614.95900	1040.39999	1.21938	110.40000	.00000	2.49600	-65.00000
.900	2.017	-2.05915	348.86800	1.99545	615.35900	1040.70000	1.21920	110.30000	.00000	3.09900	-45.84000
.900	3.964	-1.98723	349.45800	1.99842	616.44500	1042.50000	1.21919	110.40000	.00000	4.62000	-26.76000
.900	5.978	-1.98813	349.89500	2.00032	616.63600	1043.30000	1.21941	110.40000	.00000	6.45500	-18.48000
	GRADIENT	-.00203	.04729	-.00017	.00822	.07607	.00003	.08114	.00000	-.00096	17.58172

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R033) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.999 BETA = -2.000
PHI = .000

RUN NO. 314/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.899	-6.025	-2.01541	1.17893	.83326	1.08208	.85552	.94157	-.24882	-.08605	-.24269	-.08213
.900	-3.988	-1.99062	1.18919	.87769	1.04856	.89301	.97541	-.17087	-.08240	-.16542	-.07718
.900	-2.024	-2.02493	1.19198	.91669	1.01390	.91332	.99925	-.09720	-.08593	-.09258	-.08080
.900	-1.012	-2.01653	1.19191	.93775	.99438	.92067	1.00617	-.05663	-.08550	-.05268	-.08015
.900	-.001	-1.96084	1.19317	.95856	.97658	.92556	1.01027	-.01802	-.08471	-.01376	-.07924
.900	.966	-2.04629	1.19155	.97556	.95612	.92122	1.01052	.01944	-.08929	.02257	-.08421
.900	2.017	-2.05915	1.19008	.99360	.93571	.91492	1.00640	.05790	-.09148	.06089	-.08662
.900	3.964	-1.98723	1.18573	1.03027	.89673	.89610	.98978	.13354	-.09368	.13620	-.08832
.900	5.978	-1.98813	1.17269	1.06337	.85294	.86120	.95828	.21044	-.09708	.21268	-.09173
	GRADIENT	-.00203	-.00043	.01915	-.01915	.00038	.00182	.03831	-.00143	.03794	-.00144

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R033) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.999 BETA = -2.000
PHI = .000

RUN NO. 314/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.899	-6.025	-2.01541	.95460	.89658	.92559	.03841	.00381
.900	-3.988	-1.99062	.96040	.93160	.94600	.03697	-.00032
.900	-2.024	-2.02493	.96298	.95372	.95835	.03872	-.00092
.900	-1.012	-2.01653	.96409	.96075	.96242	.03927	.00202
.900	-.001	-1.96084	.96544	.96518	.96531	.03804	-.00255
.900	.966	-2.04629	.96428	.96337	.96380	.03674	-.00477
.900	2.017	-2.05915	.96316	.95823	.96069	.03710	-.00093
.900	3.964	-1.98723	.96217	.94026	.95121	.03885	-.00120
.900	5.978	-1.98813	.95703	.90706	.93205	.03756	-.00194
	GRADIENT	-.00203	.00018	.00110	.00064	.00004	-.00025

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R034) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.479 BETA = -1.000
PHI = .000

RUN NO. 280/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-6.033	-1.01164	319.48300	2.47649	1273.75999	1622.89999	1.09283	110.40000	.00000	6.29200	-170.48000
.599	-3.867	-.97174	318.55800	2.46756	1267.20000	1615.39999	1.09305	110.30000	.00000	4.18700	-165.89000
.599	-1.948	-.95813	321.32400	2.48868	1279.21001	1630.39999	1.09295	110.50000	.00000	2.39500	-153.64000
.599	-1.008	-1.00032	320.72200	2.48346	1275.42999	1626.00000	1.09307	110.40000	.00000	1.66000	-134.89000
.598	-.018	-.98420	319.68700	2.47909	1275.16000	1624.50000	1.09276	110.30000	.00000	1.24100	-91.19000
.599	.988	-1.00512	320.10800	2.48131	1274.85001	1624.70000	1.09291	110.20000	.00000	1.64800	-45.98000
.599	1.947	-.98097	318.97500	2.47091	1270.39000	1619.00000	1.09291	110.50000	.00000	2.40200	-26.95000
.599	3.967	-.99188	320.72900	2.48207	1275.73000	1626.30000	1.09304	110.70000	.00000	4.28500	-14.08000
.600	6.112	-1.02082	320.53800	2.48035	1271.25000	1621.70000	1.09332	110.20000	.00000	6.36800	-9.50000
	GRADIENT	-.00317	.08137	.00049	.38133	.46825	-.00001	.03427	.00000	.01484	23.09972

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R034) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.479 BETA = -1.000
PHI = .000

RUN NO. 280/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-6.033	-1.01164	1.06210	.68668	.96292	.72699	.77434	-.27624	-.04735	-.27019	-.04320
.599	-3.867	-.97174	1.07866	.74107	.92790	.77651	.82197	-.18683	-.04546	-.18142	-.04098
.599	-1.948	-.95813	1.08132	.78680	.89034	.80298	.84992	-.10353	-.04694	-.09781	-.04259
.599	-1.008	-1.00032	1.07997	.80560	.87060	.80668	.85887	-.06500	-.05220	-.06013	-.04781
.598	-.018	-.98420	1.08237	.82856	.85124	.81106	.86387	-.02268	-.05281	-.01777	-.04908
.599	.988	-1.00512	1.08126	.84904	.82878	.80761	.86420	.02026	-.05659	.02395	-.05262
.599	1.947	-.98097	1.07977	.86857	.80703	.80136	.85693	.06154	-.05556	.06524	-.05209
.599	3.967	-.99188	1.07232	.90530	.75916	.77376	.83281	.14614	-.05906	.14983	-.05588
.600	6.112	-1.02082	1.05477	.94004	.70812	.72763	.79274	.23192	-.06511	.23557	-.06172
	GRADIENT	-.00317	-.00067	.02100	-.02149	-.00039	.00146	.04249	-.00185	.04220	-.00203

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R034) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.479 BETA = -1.000
PHI = .000

RUN NO. 280/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-6.033	-1.01164	.82177	.74859	.78518	.03979	.00095
.599	-3.867	-.97174	.83178	.79700	.81439	.04335	.00119
.599	-1.948	-.95813	.83571	.82428	.82999	.04088	-.00508
.599	-1.008	-1.00032	.83567	.83058	.83312	.04133	-.00335
.598	-.018	-.98420	.83744	.83560	.83652	.04236	-.00230
.599	.988	-1.00512	.83706	.83391	.83549	.04199	-.00178
.599	1.947	-.98097	.83595	.82741	.83168	.04321	.00073
.599	3.967	-.99188	.83039	.80170	.81604	.04070	-.00299
.600	6.112	-1.02082	.82225	.75848	.79037	.03961	-.00259
	GRADIENT	-.00317	-.00010	.00062	.00026	-.00013	-.00008

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R035) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 450/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-6.023	-.00029	322.03300	2.49714	1280.19000	1632.20000	1.09309	109.70000	.00000	-5.70700	.02000
.599	-4.008	.00025	321.88000	2.49765	1280.99001	1632.80000	1.09298	109.60000	.00000	-3.71400	.01000
.600	-1.999	.00034	323.26500	2.50383	1281.55000	1635.00000	1.09338	109.70000	.00000	-1.72800	.01000
.600	.004	-.00009	323.53300	2.50601	1282.05000	1635.80000	1.09340	109.60000	.00000	.24900	.01000
.599	1.999	.00063	322.54700	2.50301	1283.86000	1636.39999	1.09299	109.60000	.00000	2.21900	.01000
.599	3.998	.00072	322.53100	2.50181	1283.17000	1635.70000	1.09301	109.70000	.00000	4.19500	.01000
.599	5.983	.00077	321.46800	2.49579	1281.70000	1633.00000	1.09280	109.70000	.00000	6.15700	.01000
	GRADIENT	.00006	.02944	.00038	.33327	.36006	-.00002	.00500	.00000	.98766	-.00000

RUN NO. 442/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.799	-5.982	.00530	320.95800	1.99243	717.86600	1093.39999	1.17004	109.60000	.00000	-5.66200	-.03000
.800	-4.004	.00414	324.42300	2.01233	723.98000	1103.70000	1.17045	109.60000	.00000	-3.70600	-.04000
.798	-1.974	.00215	322.11400	2.00197	721.93400	1098.70000	1.16967	109.40000	.00000	-1.70200	-.04000
.802	-.002	.00033	323.89800	2.00597	719.20000	1098.60001	1.17136	109.50000	.00000	.24400	-.04000
.799	1.989	-.00055	322.42800	2.00224	720.92900	1098.20000	1.17009	109.40000	.00000	2.20900	-.04000
.799	3.988	-.00324	322.35300	2.00104	720.93000	1098.10001	1.17005	109.60000	.00000	4.18300	-.05000
.799	5.992	-.00519	322.11500	1.99989	720.73600	1097.60001	1.16997	109.60000	.00000	6.16200	-.05000
	GRADIENT	-.00088	-.19271	-.00112	-.35663	-.58818	-.00002	-.00008	.00000	.98707	-.00100

RUN NO. 483/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.990	-.00316	349.63500	1.99726	616.84100	1043.10001	1.21915	110.90000	.00000	-5.65600	.05000
.900	-4.009	-.00149	349.88200	1.99863	617.23500	1043.80000	1.21917	110.90000	.00000	-3.70200	.04000
.900	-1.974	-.00074	349.67300	1.99737	617.23900	1043.50000	1.21903	111.00000	.00000	-1.69600	.04000
.900	-.005	.00074	349.75600	1.99752	616.63800	1043.10001	1.21931	110.90000	.00000	.24400	.04000
.900	1.987	.00197	349.44900	1.99603	616.34500	1042.39999	1.21922	110.90000	.00000	2.20600	.04000
.900	4.012	.00313	349.07300	1.99382	616.05400	1041.60001	1.21907	111.00000	.00000	4.20200	.04000
.900	5.962	.00440	349.36100	1.99548	616.14700	1042.10001	1.21923	110.90000	.00000	6.12400	.04000
	GRADIENT	.00060	-.09220	-.00055	-.16258	-.27496	.00000	.00508	.00000	.98531	.00000

RUN NO. 431/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.101	-5.968	-.00652	373.86000	1.90843	440.60600	941.90000	1.33808	109.80000	.00000	-5.61200	.08000
1.099	-4.032	-.00455	371.89600	1.89973	439.54100	937.80000	1.33711	109.80000	.00000	-3.71100	.08000
1.100	-1.997	-.00218	371.64600	1.89804	438.84800	936.90000	1.33743	109.80000	.00000	-1.71300	.08000
1.101	.008	.00029	372.01800	1.89937	438.34600	937.20000	1.33815	109.70000	.00000	.25500	.07000
1.099	1.991	.00252	372.14700	1.90112	439.93500	938.50000	1.33704	109.80000	.00000	2.20300	.07000
1.098	4.002	.00457	371.63900	1.90015	440.04200	937.70000	1.33650	109.60000	.00000	4.17700	.07000
1.098	6.000	.00654	371.46300	1.89817	440.04400	937.40000	1.33634	109.90000	.00000	6.13900	.07000
	GRADIENT	.00114	-.00072	.00019	.10338	.06915	-.00008	-.01996	.00000	.98181	-.00150

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R035) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 361/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-5.953	.00048	404.45300	1.95298	369.89800	957.90000	1.42322	110.00000	.00000	-5.59800	.01000
1.250	-4.015	.00022	404.71500	1.95375	370.09400	958.50000	1.42326	110.10000	.00000	-3.69500	.01000
1.250	-2.012	.00084	404.72200	1.95353	370.29200	958.60000	1.42309	110.20000	.00000	-1.72900	.00000
1.250	.030	.00075	404.16300	1.95110	369.60400	957.20000	1.42325	110.10000	.00000	.27400	.00000
1.250	1.986	.00063	403.56100	1.94826	369.11500	955.80000	1.42319	110.10000	.00000	2.19500	.00000
1.250	4.012	.00162	403.71300	1.94885	369.11400	956.10000	1.42331	110.10000	.00000	4.18400	.01000
1.250	5.967	.00154	403.84400	1.94946	369.21100	956.40000	1.42334	110.10000	.00000	6.10200	.01000
	GRADIENT	.00013	-.15772	-.00075	-.15639	-.37875	.00001	-.00500	.00000	.98152	-.00000

RUN NO. 417/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-5.988	.01889	430.36600	2.00874	313.49300	998.20000	1.49378	109.20000	.00000	-5.62500	-.12000
1.400	-4.009	-.00019	430.23300	2.00781	313.59400	997.90000	1.49359	109.30000	.00000	-3.68400	.07000
1.400	-1.993	.00141	428.98000	2.00207	312.81300	995.00000	1.49347	109.30000	.00000	-1.70700	.08000
1.399	.014	.00447	428.46100	1.99878	312.52100	993.80000	1.49339	109.50000	.00000	.26100	.07000
1.400	1.989	.00602	428.94000	2.00128	312.61600	994.90000	1.49363	109.40000	.00000	2.19800	.08000
1.400	3.995	.00895	429.41300	2.00259	313.00700	996.00000	1.49359	109.60000	.00000	4.16500	.08000
1.400	5.983	.01118	429.89100	2.00469	313.20100	997.10000	1.49373	109.60000	.00000	6.11400	.07000
	GRADIENT	.00114	-.08457	-.00056	-.06886	-.19632	.00001	.03505	.00000	.98060	.00100

RUN NO. 370/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-5.985	-.00291	432.49400	1.99450	293.87100	1003.90000	1.51367	110.90000	.00000	-5.62200	.01000
1.449	-4.022	-.00309	432.59300	1.99559	294.16700	1004.10000	1.51345	110.80000	.00000	-3.69700	.02000
1.450	-1.984	-.00238	433.35600	1.99894	294.45700	1005.90000	1.51367	110.80000	.00000	-1.69800	.01000
1.450	-.006	-.00178	433.44400	1.99798	294.55500	1006.10000	1.51363	111.10000	.00000	.24100	.02000
1.450	2.015	-.00085	433.47600	1.99796	294.35600	1006.20000	1.51384	111.10000	.00000	2.22300	.01000
1.450	3.991	-.00049	433.01300	1.99553	294.26200	1005.10000	1.51364	111.20000	.00000	4.16100	.02000
1.450	5.989	.00318	432.58300	1.99401	293.96900	1004.10000	1.51363	111.10000	.00000	6.12000	.02000
	GRADIENT	.00034	.04838	-.00005	.00458	.11590	.00003	.05487	.00000	.98058	-.00001

RUN NO. 407/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-5.982	.00352	434.85100	1.99575	276.27300	1013.50000	1.53206	110.20000	.00000	-5.61900	.00000
1.499	-3.994	-.00209	434.28600	1.99332	276.18100	1012.10000	1.53180	110.20000	.00000	-3.66900	.01000
1.499	-1.989	.00129	435.46500	1.99863	276.76300	1014.90000	1.53196	110.20000	.00000	-1.70300	.01000
1.500	-.017	.00141	435.29700	1.99721	276.36700	1014.60000	1.53225	110.30000	.00000	.23000	.00000
1.501	1.997	.00142	435.87400	2.00022	276.55900	1016.00000	1.53242	110.20000	.00000	2.20600	.00000
1.500	3.994	-.00045	436.31800	2.00233	276.95100	1017.00000	1.53231	110.20000	.00000	4.16300	.00000
1.500	5.995	.00051	435.92400	2.00068	276.95600	1016.00000	1.53206	110.20000	.00000	6.12500	.00000
	GRADIENT	.00017	.22424	.00098	.06708	.54640	.00007	-.00004	.00000	.98055	-.00150

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R035) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 387/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.549	-5.993	.00491	437.61200	2.00185	260.47700	1027.30000	1.54914	109.50000	.00000	-5.63000	.00000
1.549	-3.979	.00061	437.89400	2.00405	260.57200	1028.00000	1.54921	109.30000	.00000	-3.65400	-.01000
1.550	-2.001	.00685	437.96800	2.00342	260.57100	1028.20000	1.54925	109.50000	.00000	-1.71400	-.01000
1.550	.002	.00024	438.00600	2.00453	260.57100	1028.30000	1.54927	109.30000	.00000	.24900	-.02000
1.551	1.995	-.00067	438.02000	2.00444	260.27000	1028.50000	1.54958	109.30000	.00000	2.20400	-.01000
1.550	3.995	-.00142	437.96600	2.00425	260.37100	1028.30000	1.54944	109.30000	.00000	4.16500	-.02000
1.549	5.980	-.00345	437.91600	2.00429	260.87200	1027.89999	1.54892	109.30000	.00000	6.11100	-.01000
	GRADIENT	-.00058	.00981	.00007	-.03526	.04508	.00004	-.01007	.00000	.98055	-.00100

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R035) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 450/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-6.023	-.00029	1.07288	.69784	.95322	.75463	.75665	-.25538	-.00202	-.25609	.00017
.599	-4.008	.00025	1.08754	.74909	.92178	.79783	.80139	-.17269	-.00356	-.17370	-.00139
.600	-1.999	.00034	1.08868	.79557	.88199	.82160	.82795	-.08642	-.00635	-.08739	-.00410
.600	.004	-.00009	1.08880	.83678	.84313	.82824	.83960	-.00635	-.01136	-.00699	-.00933
.599	1.999	.00063	1.08965	.87873	.80332	.82101	.83530	.07541	-.01429	.07339	-.01246
.599	3.998	.00072	1.08341	.91442	.75780	.79348	.81205	.15663	-.01858	.15497	-.01669
.599	5.983	.00077	1.07102	.95158	.71141	.75311	.77476	.24017	-.02166	.23814	-.01925
	GRADIENT	.00006	-.00036	.02068	-.02032	-.00046	.00144	.04100	-.00190	.04088	-.00195

RUN NO. 442/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.799	-5.982	.00530	1.15232	.78179	1.02381	.83894	.84063	-.24202	-.00169	-.24210	.00048
.800	-4.004	.00414	1.16100	.82633	.99072	.87417	.87850	-.16438	-.00433	-.16516	-.00173
.798	-1.974	.00215	1.16658	.87257	.95596	.89787	.90538	-.08339	-.00751	-.08431	-.00435
.802	-.002	.00033	1.16395	.91008	.91729	.90325	.91308	-.00721	-.00982	-.00787	-.00715
.799	1.989	-.00055	1.16517	.94882	.88156	.89645	.91005	.06726	-.01360	.06558	-.01055
.799	3.988	-.00324	1.16058	.98499	.83842	.87343	.89094	.14657	-.01751	.14526	-.01445
.799	5.992	-.00519	1.15014	1.02042	.79523	.83757	.85775	.22519	-.02018	.22383	-.01748
	GRADIENT	-.00088	-.00011	.01973	-.01900	-.00014	.00149	.03873	-.00163	.03864	-.00159

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R035) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 483/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-5.990	-.00316	1.20674	.84293	1.07525	.90114	.89995	-.23332	.00119	-.23272	-.00118
.900	-4.009	-.00149	1.21511	.88620	1.04426	.93420	.93607	-.15805	-.00187	-.15785	-.00355
.900	-1.974	-.00074	1.21871	.92917	1.01024	.95509	.95977	-.08107	-.00468	-.08074	-.00660
.900	-.005	.00074	1.21764	.96621	.97357	.96095	.96843	-.00736	-.00748	-.00717	-.00933
.900	1.987	.00197	1.21684	1.00240	.93743	.95335	.96429	.06497	-.01094	.06420	-.01257
.900	4.012	.00313	1.21181	1.03703	.89636	.93176	.94591	.14068	-.01415	.13976	-.01587
.900	5.962	.00440	1.19978	1.06962	.85568	.89859	.91530	.21394	-.01672	.21292	-.01823
	GRADIENT	.00060	-.00042	.01874	-.01843	-.00033	.00121	.03717	-.00154	.03700	-.00153

RUN NO. 431/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.101	-5.968	-.00652	1.32169	.99047	1.19974	1.04139	1.04391	-.20927	-.00252	-.20985	-.00008
1.099	-4.032	-.00455	1.33081	1.02956	1.17267	1.07143	1.07615	-.14311	-.00472	-.14365	-.00125
1.100	-1.997	-.00218	1.33440	1.06847	1.14254	1.09063	1.09729	-.07407	-.00662	-.07460	-.00371
1.101	.008	.00029	1.33357	1.10293	1.10932	1.09690	1.10530	-.00639	-.00840	-.00691	-.00547
1.099	1.991	.00252	1.33314	1.13492	1.07666	1.08949	1.10175	.05827	-.01226	.05665	-.00988
1.098	4.002	.00457	1.32801	1.16495	1.03845	1.06924	1.08527	.12650	-.01603	.12516	-.01324
1.098	6.000	.00654	1.31872	1.19570	1.00145	1.03995	1.05720	.19425	-.01725	.19328	-.01470
	GRADIENT	.00114	-.00034	.01682	-.01667	-.00027	.00114	.03348	-.00141	.03335	-.00150

RUN NO. 361/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.250	-5.953	.00048	1.41215	1.05908	1.27460	1.11124	1.11965	-.21552	-.00841	-.21458	-.00843
1.250	-4.015	.00022	1.42148	1.09821	1.24721	1.14010	1.15080	-.14900	-.01070	-.14833	-.01045
1.250	-2.012	.00084	1.42215	1.13598	1.21391	1.15800	1.16953	-.07792	-.01153	-.07711	-.01167
1.250	.030	.00075	1.42044	1.17110	1.17864	1.16339	1.17677	-.00754	-.01339	-.00660	-.01345
1.250	1.986	.00063	1.42253	1.20533	1.14677	1.15903	1.17420	.05856	-.01517	.05826	-.01522
1.250	4.012	.00162	1.41858	1.23895	1.10760	1.13951	1.15768	.13135	-.01817	.13095	-.01789
1.250	5.967	.00154	1.40810	1.26857	1.07030	1.11019	1.13104	.19827	-.02085	.19773	-.02086
	GRADIENT	.00013	-.00027	.01750	-.01727	-.00000	.00092	.03477	-.00093	.03461	-.00092

RUN NO. 417/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.400	-5.988	.01889	1.48252	1.07472	1.31395	1.13840	1.14034	-.23924	-.00194	-.23985	-.00008
1.400	-4.009	-.00019	1.49389	1.11627	1.28305	1.16761	1.17193	-.16678	-.00432	-.16724	-.00194
1.400	-1.993	.00141	1.49306	1.15639	1.24333	1.18386	1.19044	-.08694	-.00657	-.08717	-.00438
1.399	.014	.00447	1.48884	1.19198	1.20347	1.18676	1.19591	-.01148	-.00916	-.01206	-.00673
1.400	1.989	.00602	1.49105	1.22968	1.16778	1.18186	1.19481	.06190	-.01295	.06061	-.01118
1.400	3.995	.00895	1.49028	1.26668	1.12798	1.16453	1.17967	.13870	-.01514	.13756	-.01318
1.400	5.983	.01118	1.48436	1.30464	1.08868	1.13880	1.15435	.21596	-.01554	.21488	-.01357
	GRADIENT	.00114	-.00046	.01871	-.01929	-.00040	.00100	.03801	-.00140	.03789	-.00146

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (84R035) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 370/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.450	-5.985	-.00291	1.50588	1.05437	1.31398	1.13134	1.12227	-.25960	.00907	-.25967	.00930
1.449	-4.022	-.00309	1.50704	1.09117	1.27063	1.15393	1.14696	-.17947	.00697	-.17875	.00699
1.450	-1.984	-.00238	1.49783	1.12706	1.22315	1.16468	1.15868	-.09609	.00600	-.09589	.00594
1.450	-.006	-.00178	1.50411	1.16733	1.18703	1.17239	1.16836	-.01970	.00403	-.01956	.00392
1.450	2.015	-.00085	1.50654	1.20814	1.14627	1.16770	1.16658	.06188	.00112	.06087	.00109
1.450	3.991	-.00049	1.50452	1.25329	1.10968	1.15596	1.15684	.14360	-.00088	.14306	-.00024
	5.989	.00318	1.49835	1.29718	1.07252	1.13384	1.13620	.22465	-.00237	.22332	-.00139
	GRADIENT	.00034	.00018	.02024	-.01992	.00036	.00139	.04015	-.00103	.03997	-.00096

RUN NO. 407/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.500	-5.982	.00352	1.52119	1.00451	1.28333	1.08600	1.08483	-.27882	.00117	-.27918	.00265
1.499	-3.994	-.00209	1.52633	1.03894	1.23523	1.10430	1.10539	-.19630	-.00109	-.19647	.00013
1.499	-1.989	.00129	1.52816	1.06546	1.17338	1.10361	1.10622	-.10792	-.00257	-.10864	-.00086
1.500	-.017	.00141	1.52324	1.10058	1.11671	1.09864	1.10327	-.01613	-.00463	-.01671	-.00290
1.501	1.997	.00142	1.52272	1.15892	1.08662	1.10636	1.11504	.07230	-.00869	.07086	-.00633
1.500	3.994	-.00045	1.52309	1.21353	1.05901	1.10567	1.11456	.15452	-.00889	.15329	-.00706
1.500	5.995	.00051	1.52044	1.27168	1.03341	1.09626	1.10800	.23827	-.01174	.23723	-.00962
	GRADIENT	.00017	-.00060	.02218	-.02200	.00028	.00136	.04418	-.00109	.04403	-.00099

RUN NO. 387/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.549	-5.993	.00491	1.55217	.68643	.98206	.76217	.80168	-.29563	-.03952	-.29619	-.03824
1.549	-3.979	.00061	1.55581	.74503	.92940	.78976	.82480	-.18437	-.03504	-.18495	-.03390
1.550	-2.001	.00685	1.55785	.95563	1.02690	.96360	.99233	-.07127	-.02674	-.07183	-.02793
1.550	.002	.00024	1.56129	1.04522	1.06149	1.02934	1.06011	-.01627	-.03077	-.01643	-.02986
1.551	1.995	-.00067	1.55473	1.06336	1.01088	1.00778	1.04379	.05248	-.03601	.05118	-.03531
1.550	3.995	-.00142	1.54862	.92030	.75748	.77741	.84034	.16282	-.06293	.16213	-.06155
1.549	5.980	-.00345	1.55110	.99852	.69985	.77439	.83469	.29867	-.06030	.29816	-.05909
	GRADIENT	-.00058	-.00088	.02293	-.01809	.00092	.00409	.04102	-.00317	.04097	-.00315

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R035) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 450/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-6.023	-.00029	.82588	.75454	.79021	.04013	-.00074
.599	-4.008	.00025	.83594	.79853	.81723	.04241	-.00085
.600	-1.999	.00034	.83927	.82365	.83146	.04179	-.00222
.600	.004	-.00009	.84027	.83290	.83659	.03974	-.00214
.599	1.999	.00063	.84203	.82724	.83464	.04054	-.00176
.599	3.998	.00072	.83694	.80182	.81938	.04135	-.00186
.599	5.983	.00077	.83251	.76273	.79762	.04218	-.00101
	GRADIENT	.00006	.00024	.00051	.00038	-.00017	-.00008

RUN NO. 442/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.799	-5.982	.00530	.90284	.83870	.87077	.03861	-.00108
.800	-4.004	.00414	.90891	.87504	.89198	.03945	-.00120
.798	-1.974	.00215	.91472	.90004	.90738	.03978	-.00135
.802	-.002	.00033	.91401	.90682	.91042	.03723	-.00153
.799	1.989	-.00055	.91603	.90172	.90888	.03824	-.00192
.799	3.988	-.00324	.91236	.88065	.89651	.04005	-.00177
.799	5.992	-.00519	.90851	.84631	.87741	.03879	-.00138
	GRADIENT	-.00088	.00041	.00066	.00053	-.00002	-.00009

RUN NO. 483/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-5.990	-.00316	.95929	.90173	.93051	.03775	-.00110
.900	-4.009	-.00149	.96513	.93597	.95055	.03786	-.00138
.900	-1.974	-.00074	.96954	.95839	.96396	.03789	-.00145
.900	-.005	.00074	.96980	.96562	.96771	.03632	-.00146
.900	1.987	.00197	.97030	.95963	.96497	.03635	-.00172
.900	4.012	.00313	.96715	.93970	.95343	.03768	-.00142
.900	5.962	.00440	.96316	.90770	.93543	.03744	-.00110
	GRADIENT	.00060	.00024	.00043	.00034	-.00009	-.00002

RUN NO. 431/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.101	-5.968	-.00652	1.09539	1.04143	1.06841	.03429	-.00040
1.099	-4.032	-.00455	1.10138	1.07205	1.08672	.03400	-.00102
1.100	-1.997	-.00218	1.10577	1.09253	1.09915	.03412	-.00093
1.101	.008	.00029	1.10638	1.09964	1.10301	.03261	-.00153
1.099	1.991	.00252	1.10659	1.09443	1.10051	.03282	-.00226
1.098	4.002	.00457	1.10237	1.07586	1.08912	.03444	-.00110
1.098	6.000	.00654	1.09906	1.04730	1.07318	.03391	-.00055
	GRADIENT	.00114	.00014	.00049	.00031	-.00002	-.00007

IA132(AEDC TF=505) TANK UPRT W/FRNG, LOUVR OPEN (C4R035) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 361/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.250	-5.953	.00048	1.16637	1.11546	1.14091	.03379	-.00117
1.250	-4.015	.00022	1.17237	1.14532	1.15885	.03495	-.00077
1.250	-2.012	.00084	1.17454	1.16384	1.16919	.03552	-.00070
1.250	.030	.00075	1.17440	1.17011	1.17226	.03323	-.00089
1.250	1.986	.00063	1.17620	1.16664	1.17142	.03456	-.00107
1.250	4.012	.00162	1.17347	1.14846	1.16096	.03550	-.00148
1.250	5.967	.00154	1.16970	1.12062	1.14516	.03350	-.00154
	GRADIENT	.00013	.00019	.00046	.00032	.00001	-.00009

RUN NO. 417/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.400	-5.988	.01889	1.19464	1.13844	1.16654	.03576	-.00083
1.400	-4.009	-.00019	1.19989	1.16858	1.18423	.03859	-.00114
1.400	-1.993	.00141	1.19997	1.18605	1.19301	.03907	-.00104
1.399	.014	.00447	1.19801	1.19012	1.19407	.03651	-.00184
1.400	1.989	.00602	1.19938	1.18745	1.19341	.03753	-.00188
1.400	3.995	.00895	1.19790	1.17112	1.18451	.03883	-.00040
1.400	5.983	.01118	1.19720	1.14558	1.17139	.03892	-.00009
	GRADIENT	.00114	-.00023	.00033	.00005	-.00005	.00003

RUN NO. 370/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.450	-5.985	-.00291	1.18420	1.12669	1.15545	.04122	-.00138
1.449	-4.022	-.00309	1.18055	1.15044	1.16549	.04124	-.00078
1.450	-1.984	-.00238	1.17501	1.16171	1.16836	.03944	-.00061
1.450	-.006	-.00178	1.17711	1.17043	1.17377	.03866	-.00139
1.450	2.015	-.00085	1.17770	1.16716	1.17243	.04110	-.00107
1.450	3.991	-.00049	1.18176	1.15608	1.16892	.04112	-.00051
1.450	5.989	.00318	1.18552	1.13454	1.16003	.03970	-.00061
	GRADIENT	.00034	.00025	.00084	.00055	.00007	.00000

RUN NO. 407/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.500	-5.982	.00352	1.14410	1.08467	1.11439	.04127	-.00149
1.499	-3.994	-.00209	1.13717	1.10423	1.12070	.04229	-.00082
1.499	-1.989	.00129	1.11978	1.10407	1.11193	.04585	-.00053
1.500	-.017	.00141	1.10893	1.10009	1.10451	.04567	-.00167
1.501	1.997	.00142	1.12349	1.10952	1.11651	.04179	-.00099
1.500	3.994	-.00045	1.13689	1.10920	1.12304	.04143	-.00058
1.500	5.995	.00051	1.15307	1.10107	1.12707	.04220	-.00163
	GRADIENT	.00017	.00016	.00077	.00047	-.00029	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R035) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 387/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.549	-5.993	.00491	.83452	.78129	.80791	.05256	.00160
1.549	-3.979	.00061	.83751	.80671	.82211	.06059	.00327
1.550	-2.001	.00685	.99154	.97756	.98455	.04248	.00087
1.550	.002	.00024	1.05344	1.04427	1.04885	.02434	-.00055
1.551	1.995	-.00067	1.03777	1.02544	1.03160	.04492	-.00977
1.550	3.995	-.00142	.83923	.80819	.82371	.06410	-.00789
1.549	5.980	-.00345	.84944	.80393	.82669	.07073	.00580
	GRADIENT	-.00058	.00244	.00250	.00247	.00048	-.00165

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R036) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.279 BETA = .000
PHI = .000

RUN NO. 309/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.597	-5.961	.00454	321.32600	2.49138	1286.67999	1637.70000	1.09238	111.10000	.00000	-5.64500	-.04000
.597	-3.968	.00255	320.74700	2.49597	1283.91000	1634.30000	1.09242	109.40000	.00000	-3.67400	-.04000
.597	-2.043	.00138	321.59700	2.49308	1287.28000	1638.60001	1.09242	111.10000	.00000	-1.77000	-.04000
.598	-.997	.00057	322.30400	2.49533	1288.16000	1640.30000	1.09254	111.40000	.00000	-.73700	-.04000
.599	-.013	-.00074	321.84800	2.49936	1283.28000	1635.00000	1.09281	109.60000	.00000	.23400	-.04000
.598	1.002	-.00059	321.00200	2.49593	1283.80000	1634.50000	1.09252	109.60000	.00000	1.23500	-.04000
.599	1.971	-.00162	321.93800	2.50105	1283.48000	1635.30000	1.09282	109.40000	.00000	2.19200	-.04000
.598	4.016	-.00363	322.00000	2.49736	1286.17000	1638.00000	1.09261	110.50000	.00000	4.21300	-.05000
.599	5.985	-.00503	322.11600	2.49429	1283.77000	1635.80000	1.09287	110.80000	.00000	6.15900	-.05000
	GRADIENT	-.00076	.10398	.00053	-.07049	.05550	.00004	-.01974	.00000	.98756	-.00096

RUN NO. 319/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.968	.00015	349.26300	1.99750	615.85000	1041.70000	1.21928	110.30000	.00000	-5.63600	.04000
.901	-4.015	.00096	349.99600	2.00029	616.23400	1043.10001	1.21963	110.40000	.00000	-3.71000	.04000
.901	-1.988	.00160	350.08400	2.00129	616.43200	1043.39999	1.21962	110.30000	.00000	-1.71200	.04000
.900	.005	.00320	350.15100	2.00228	617.12900	1044.10001	1.21939	110.30000	.00000	.25200	.04000
.900	1.995	.00453	349.67300	2.00053	617.23900	1043.50000	1.21903	110.30000	.00000	2.21100	.04000
.899	3.986	.00583	349.29700	1.99877	616.94700	1042.70000	1.21889	110.30000	.00000	4.17400	.04000
.899	5.989	.00680	348.89300	1.99704	616.35700	1041.60001	1.21883	110.20000	.00000	6.14800	.04000
	GRADIENT	.00063	-.09032	-.00019	.11185	-.03464	-.00010	-.01004	.00000	.98528	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R036) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.279 BETA = .000
PHI = .000

RUN NO. 309/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.597	-5.961	.00454	1.04578	.70014	.95593	.75726	.75933	-.25579	-.00206	-.25245	.00042
.597	-3.968	.00255	1.05866	.74915	.92201	.79784	.80227	-.17286	-.00444	-.17014	-.00148
.597	-2.043	.00138	1.06770	.79865	.89109	.82694	.83265	-.09244	-.00571	-.08991	-.00273
.598	-.997	.00057	1.06399	.81780	.86714	.82942	.83843	-.04934	-.00901	-.04711	-.00554
.599	-.013	-.00074	1.06226	.83721	.84620	.83023	.84025	-.00899	-.01002	-.00710	-.00678
.598	1.002	-.00059	1.06616	.86213	.82849	.83124	.84327	.03364	-.01204	.03421	-.00882
.599	1.971	-.00162	1.06198	.87900	.80631	.82125	.83632	.07269	-.01507	.07347	-.01193
.598	4.016	-.00363	1.05837	.91875	.76259	.79697	.81538	.15616	-.01841	.15624	-.01544
.599	5.985	-.00503	1.04009	.95039	.71266	.75345	.77302	.23772	-.01957	.23717	-.01661
	GRADIENT	-.00076	-.00026	.02104	-.02016	-.00035	.00150	.04121	-.00185	.04083	-.00185

RUN NO. 319/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-5.968	.00015	1.18005	.84489	1.08022	.90323	.90479	-.23533	-.00156	-.22992	.00188
.901	-4.015	.00096	1.18921	.88713	1.04878	.93492	.94030	-.16165	-.00538	-.15675	-.00065
.901	-1.988	.00160	1.19234	.92995	1.01438	.95574	.96353	-.08443	-.00779	-.07987	-.00251
.900	.005	.00320	1.19291	.96815	.98007	.96285	.97397	-.01192	-.01112	-.00774	-.00603
.900	1.995	.00453	1.18977	1.00305	.94138	.95386	.96740	.06168	-.01355	.06416	-.00867
.899	3.986	.00583	1.18469	1.03788	.89973	.93168	.94951	.13816	-.01783	.14048	-.01299
.899	5.989	.00680	1.17257	1.07118	.85870	.89778	.91796	.21248	-.02018	.21466	-.01553
	GRADIENT	.00063	-.00058	.01875	-.01857	-.00041	.00113	.03731	-.00153	.03695	-.00154

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R036) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.279 BETA = .000
PHI = .000

RUN NO. 309/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.597	-5.961	.00454	.82636	.75705	.79171	.04114	-.00128
.597	-3.968	.00255	.83423	.79858	.81640	.04163	-.00032
.597	-2.043	.00138	.84361	.82831	.83596	.04127	-.00222
.598	-.997	.00057	.84135	.83219	.83677	.04069	-.00208
.599	-.013	-.00074	.84076	.83362	.83719	.04067	-.00120
.598	1.002	-.00059	.84502	.83564	.84033	.04064	-.00288
.599	1.971	-.00162	.84226	.82722	.83474	.04042	-.00298
.598	4.016	-.00363	.84063	.80468	.82266	.04077	-.00087
.599	5.985	-.00503	.83180	.76176	.79678	.04129	-.00046
	GRADIENT	-.00076	.00063	.00058	.00060	-.00012	-.00011

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R036) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.279 BETA = .000
PHI = .000

RUN NO. 319/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-5.968	.00015	.95985	.90229	.93107	.03723	-.00147
.901	-4.015	.0009E	.96551	.93525	.95038	.03794	-.00095
.901	-1.988	.00160	.96989	.95700	.96344	.03720	-.00140
.900	.005	.00320	.97202	.96586	.96894	.03558	-.00153
.900	1.995	.00453	.97097	.95819	.96458	.03745	-.00176
.899	3.986	.00583	.96764	.93817	.95291	.03802	-.00190
.899	5.989	.00680	.96385	.90554	.93470	.03655	-.00095
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R037) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.494 BETA = .000
PHI = .000

RUN NO. 294/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.597	-5.993	.00062	320.67000	2.48982	1284.31000	1634.60001	1.09237	110.50000	.00000	-5.68900	.04000
.597	-4.000	.00036	320.76000	2.49206	1284.50000	1634.89999	1.09241	110.20000	.00000	-3.71900	.04000
.598	-2.037	.00119	320.53400	2.48911	1282.12000	1632.30000	1.09249	110.20000	.00000	-1.77900	.04000
.598	-.982	.00145	320.85800	2.49049	1281.31000	1631.89999	1.09266	110.10000	.00000	-.73700	.04000
.599	.015	.00179	321.56700	2.49561	1282.28999	1633.70000	1.09280	109.90000	.00000	.24600	.04000
.599	.982	.00216	322.64900	2.50235	1284.56000	1637.20000	1.09295	109.90000	.00000	1.20300	.04000
.598	1.992	.00259	321.61800	2.49817	1284.48000	1635.89999	1.09266	109.80000	.00000	2.20400	.04000
.598	3.973	.00462	321.61100	2.49845	1284.17999	1635.60001	1.09269	109.70000	.00000	4.16400	.05000
.597	5.989	.00570	319.93600	2.48815	1282.23000	1631.70000	1.09231	109.90000	.00000	6.15900	.05000
	GRADIENT	.00049	.17585	.00133	.15850	.36416	.00004	-.07165	.00000	.98871	.00095

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (84R037) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.494 BETA = .000
PHI = .000

RUN NO. 294/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.597	-5.993	.00062	1.06293	.70249	.96134	.82612	.76338	-.25886	.06273	-.25349	.00216
.597	-4.000	.00036	1.07384	.75027	.92622	.86092	.80611	-.17595	.05481	-.17115	-.00102
.598	-2.037	.00119	1.07916	.79777	.89110	.88988	.83343	-.09332	.05646	-.08882	-.00176
.598	-.982	.00145	1.07823	.82018	.86975	.87581	.84147	-.04957	.03434	-.04612	-.00447
.599	.015	.00179	1.07864	.84158	.85015	.91384	.84453	-.00857	.06931	-.00469	-.00470
.599	.982	.00216	1.07655	.85968	.82930	.92004	.84279	.03038	.07725	.03263	-.00735
.598	1.992	.00259	1.07634	.88099	.80907	.92008	.83942	.07192	.08066	.07428	-.01046
.598	3.973	.00462	1.06877	.91629	.76346	.88318	.81646	.15282	.06672	.15462	-.01412
.597	5.989	.00570	1.05364	.95230	.71509	.84600	.77568	.23721	.07032	.23888	-.01634
	GRADIENT	.00049	-.00066	.02076	-.02041	.00462	.00132	.04117	.00331	.04075	-.00173

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R037) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.494 BETA = .000
PHI = .000

RUN NO. 294/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.597	-5.993	.00062	.82923	.82504	.82713	.04094	-.00222
.597	-4.000	.00036	.83584	.86144	.84864	.04204	-.00036
.598	-2.037	.00119	.84218	.89076	.86647	.04067	-.00225
.598	-.982	.00145	.84324	.87805	.86064	.04145	-.00123
.599	.015	.00179	.84393	.91619	.88006	.03988	-.00108
.599	.982	.00216	.84336	.92371	.88354	.03947	-.00344
.598	1.992	.00259	.84385	.92531	.88458	.04153	-.00263
.598	3.973	.00462	.83898	.89024	.86461	.04080	-.00131
.597	5.989	.00570	.83286	.85417	.84352	.04231	-.00100
	GRADIENT	.00049	.00038	.00549	.00294	-.00012	-.00016

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R038) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.480 BETA = .000
PHI = .000

RUN NO. 281/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-5.986	-.00062	318.62500	2.47075	1270.09000	1618.30000	1.09285	110.20000	.00000	-5.67100	.00000
.599	-4.005	-.00112	320.49000	2.48320	1276.53000	1626.80000	1.09292	110.40000	.00000	-3.71200	.00000
.599	-1.973	-.00168	319.64900	2.47764	1273.56000	1622.89999	1.09289	110.30000	.00000	-1.70300	.00000
.600	-1.017	-.00180	320.62400	2.48018	1271.25000	1621.80000	1.09334	110.30000	.00000	-.75900	.00000
.600	.007	-.00225	321.06000	2.48537	1275.22000	1626.20000	1.09319	110.30000	.00000	.25200	.00000
.598	1.024	-.00172	319.33200	2.47709	1274.66000	1623.60001	1.09272	110.30000	.00000	1.25500	.00000
.600	1.982	-.00213	320.52700	2.47879	1270.75000	1621.20000	1.09336	110.40000	.00000	2.20200	.00000
.599	3.980	-.00245	321.37000	2.48863	1277.50999	1628.80000	1.09310	110.30000	.00000	4.17600	.00000
.600	6.016	-.00225	320.51000	2.47815	1270.05000	1620.50000	1.09341	110.40000	.00000	6.18900	.00000
	GRADIENT	-.00015	.09374	.00049	.04174	.15206	.00002	-.00484	.00000	.98768	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R038) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.480 BETA = .000
PHI = .000

RUN NO. 281/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-5.986	-.00062	1.06660	.69583	.96029	.75953	.76120	-.26446	-.00167	-.25837	.00173
.599	-4.005	-.00112	1.07211	.74122	.92112	.79648	.79907	-.17990	-.00259	-.17465	.00100
.599	-1.973	-.00168	1.08277	.79288	.88859	.82608	.83252	-.09571	-.00643	-.09016	-.00228
.600	-1.017	-.00180	1.07780	.80933	.86587	.82816	.83518	-.05654	-.00703	-.05179	-.00312
.600	.007	-.00225	1.07856	.83105	.84685	.83036	.83998	-.01580	-.00962	-.01067	-.00539
.598	1.024	-.00172	1.08239	.85502	.82832	.83073	.84195	.02670	-.01122	.03014	-.00785
.600	1.982	-.00213	1.07466	.86844	.80352	.81846	.83256	.06492	-.01410	.06858	-.01075
.599	3.980	-.00245	1.07211	.90850	.76067	.79478	.81237	.14783	-.01758	.15116	-.01402
.600	6.016	-.00225	1.05628	.94279	.71212	.75194	.77203	.23067	-.02010	.23445	-.01653
	GRADIENT	-.00015	-.00027	.02068	-.02027	-.00044	.00146	.04095	-.00190	.04064	-.00195

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R038) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.480 BETA = .000
PHI = .000

RUN NO. 281/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-5.986	-.00062	.82501	.75867	.79184	.04232	.00007
.599	-4.005	-.00112	.82855	.79598	.81226	.04217	-.00125
.599	-1.973	-.00168	.83796	.82722	.83259	.04055	-.00098
.600	-1.017	-.00180	.83523	.82972	.83247	.04002	-.00146
.600	.007	-.00225	.83639	.83306	.83472	.04020	-.00241
.598	1.024	-.00172	.83995	.83466	.83730	.04000	-.00281
.600	1.982	-.00213	.83415	.82384	.82899	.04054	-.00273
.599	3.980	-.00245	.83292	.80179	.81736	.04139	-.00115
.600	6.016	-.00225	.82557	.76020	.79288	.04067	-.00127
	GRADIENT	-.00015	.00036	.00053	.00045	-.00008	-.00011

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R039) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.477 BETA = 1.000
PHI = .000

RUN NO. 282/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.598	-6.025	1.00938	319.14600	2.47466	1274.07001	1622.80000	1.09270	110.50000	.00000	6.28500	170.45000
.599	-3.851	.96651	320.15400	2.47738	1273.14999	1623.10001	1.09307	110.70000	.00000	4.17200	165.82000
.599	-1.988	.99786	319.36200	2.47419	1272.27000	1621.30000	1.09290	110.50000	.00000	2.45000	153.05000
.599	-.979	.97255	320.27500	2.48024	1274.64000	1624.70000	1.09300	110.50000	.00000	1.62300	134.63000
.599	-.018	1.03258	320.44200	2.47973	1274.44000	1624.70000	1.09305	110.70000	.00000	1.29200	91.02000
.600	.881	1.03076	319.82800	2.47405	1270.17000	1619.80000	1.09318	110.60000	.00000	1.59900	50.05000
.600	1.969	.99018	320.43600	2.47767	1270.55000	1620.83999	1.09335	110.50000	.00000	2.42600	26.98000
.598	3.984	.99765	319.69600	2.47780	1275.55000	1624.89999	1.09276	110.60000	.00000	4.30300	14.15000
.599	6.100	1.02882	319.60300	2.47527	1271.5[illegible]001	1620.89999	1.09301	110.40000	.00000	6.35800	9.63000
	GRADIENT	.00392	-.00264	.00007	.05172	.04751	-.00000	-.00713	.00000	.01948	-22.90980

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R039) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.477 BETA = 1.000
PHI = .000

RUN NO. 282/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.598	-6.025	1.00938	1.06218	.68866	.96050	.77518	.73833	-.27184	.03686	-.26577	.03963
.599	-3.851	.96651	1.07548	.74264	.92118	.82112	.78422	-.17853	.03690	-.17363	.03940
.599	-1.988	.99786	1.07721	.78305	.88439	.84303	.80593	-.10134	.03710	-.09603	.03977
.599	-.979	.97255	1.07970	.80753	.86583	.85108	.81604	-.05830	.03504	-.05308	.03769
.599	-.018	1.03258	1.07987	.82892	.84546	.85463	.81878	-.01654	.03585	-.01096	.03793
.600	.881	1.03076	1.07739	.84717	.82434	.85035	.81682	.02283	.03353	.02727	.03580
.600	1.969	.99018	1.07654	.86925	.80218	.84083	.81360	.06706	.02723	.07100	.02999
.598	3.984	.99765	1.07282	.90957	.75870	.81602	.79180	.15087	.02423	.15481	.02684
.599	6.100	1.02882	1.05375	.94315	.70843	.77039	.74991	.23472	.02047	.23873	.02356
	GRADIENT	.00392	-.00036	.02139	-.02082	-.00072	.00104	.04221	-.00176	.04203	-.00176

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R039) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.477 BETA = 1.000
PHI = .000

RUN NO. 282/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.598	-6.025	1.00938	.82154	.75537	.78845	.04265	-.00050
.599	-3.851	.96651	.82946	.80142	.81544	.04184	.00068
.599	-1.988	.99786	.83106	.82314	.82710	.04195	-.00176
.599	-.979	.97255	.83407	.83224	.83316	.04343	-.00081
.599	-.018	1.03258	.83440	.83566	.83503	.04360	-.00030
.600	.881	1.03076	.83353	.83245	.83299	.04110	-.00449
.600	1.969	.99018	.83375	.82584	.82979	.04049	-.00445
.598	3.984	.99765	.83217	.80260	.81739	.04110	-.00072
.599	6.100	1.02882	.82378	.75861	.79120	.03893	-.00197
	GRADIENT	.00392	.00037	.00015	.00026	-.00020	-.00034

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R040) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 451/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-5.956	1.99078	321.80800	2.49614	1281.59000	1633.30000	1.09292	109.90000	.00000	6.45200	161.45000
.600	-4.008	2.00758	322.91300	2.50060	1281.16000	1634.20000	1.09330	109.90000	.00000	4.67800	153.28000
.600	-1.998	2.00518	322.49900	2.49997	1281.77000	1634.30000	1.09312	109.80000	.00000	3.05200	134.68000
.600	.006	2.05726	323.21200	2.50416	1282.95000	1636.30000	1.09325	109.80000	.00000	2.29900	89.83000
.599	2.007	1.99417	322.07000	2.49581	1281.78000	1633.80000	1.09299	110.20000	.00000	3.04900	45.04000
.600	3.981	1.97756	322.39600	2.49839	1281.08000	1633.50000	1.09313	109.90000	.00000	4.63900	26.53000
.600	5.954	2.02230	322.45700	2.49889	1279.98000	1632.50000	1.09323	109.70000	.00000	6.45800	18.83000
	GRADIENT	-.00354	-.07323	-.00045	-.00688	-.09449	-.00002	.02007	.00000	-.00511	-17.17426

RUN NO. 443/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-5.997	2.00342	318.62700	1.97804	711.82700	1084.70000	1.17025	109.40000	.00000	6.49100	161.46000
.800	-3.967	1.98091	320.19000	1.98806	715.18700	1089.89999	1.17028	109.30000	.00000	4.62800	153.35000
.799	-1.981	1.98613	322.06500	2.00026	719.93800	1096.80000	1.17014	109.30000	.00000	3.02500	134.69000
.799	.011	2.06175	322.29600	2.00111	721.23100	1098.30000	1.16995	109.60000	.00000	2.30300	89.70000
.799	2.041	1.92827	319.73900	1.98492	715.19700	1089.30000	1.17003	109.60000	.00000	3.02700	43.59000
.802	3.988	1.99230	324.11100	2.00735	720.19300	1099.80000	1.17123	109.60000	.00000	4.64900	26.65000
.800	6.022	2.02638	322.61000	2.00182	720.22600	1097.80000	1.17037	109.50000	.00000	6.51900	18.66000
	GRADIENT	-.00182	.27405	.00115	.26047	.60980	.00009	.04519	.00000	.00168	-17.29556

RUN NO. 484/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.009	2.02840	349.09200	1.99365	616.25300	1041.80000	1.21901	111.10000	.00000	6.49500	161.28000
.900	-4.005	2.00039	349.33200	1.99371	615.84900	1041.80000	1.21933	111.20000	.00000	4.65900	153.35000
.900	-2.002	1.99999	349.08300	1.99351	616.15300	1041.70000	1.21904	111.10000	.00000	3.04200	134.78000
.900	.012	2.02625	349.16100	1.99391	616.25100	1041.89999	1.21906	111.10000	.00000	2.26300	89.60000
.899	2.035	1.92032	349.54300	1.99743	617.34100	1043.39999	1.21890	110.90000	.00000	3.01300	43.50000
.900	4.016	1.96327	349.91000	1.99860	617.53300	1044.10001	1.21908	111.00000	.00000	4.65500	26.13000
.900	6.023	2.02955	349.67300	1.99737	617.23900	1043.50000	1.21903	111.00000	.00000	6.51100	18.67000
	GRADIENT	-.00769	.08043	.00068	.22698	.31375	-.00003	-.02993	.00000	-.00234	-17.22413

RUN NO. 432/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-5.958	1.99088	372.77200	1.90341	439.82600	939.50000	1.33769	109.80000	.00000	6.41400	161.48000
1.100	-4.016	2.00411	373.15600	1.90561	440.91400	940.90000	1.33721	109.90000	.00000	4.65600	153.40000
1.100	-1.974	1.98158	372.30400	1.90118	439.83300	938.70000	1.33726	109.90000	.00000	3.00200	134.69000
1.100	.011	2.04910	371.62500	1.89730	439.04700	937.00000	1.33725	110.00000	.00000	2.27900	89.70000
1.100	1.996	1.99719	371.74200	1.89818	439.04600	937.20000	1.33735	109.90000	.00000	3.02800	45.21000
1.100	4.040	2.01946	371.85900	1.89820	439.04400	937.40000	1.33746	110.00000	.00000	4.68300	26.65000
1.100	5.974	2.01056	371.89700	1.89899	439.24200	937.60000	1.33735	109.90000	.00000	6.43500	18.66000
	GRADIENT	.00230	-.15719	-.00089	-.22549	-.42336	.00003	.00999	.00000	.00402	-17.06327

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R040) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 362/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-5.964	1.99862	403.83600	1.94789	369.01300	956.30000	1.42350	110.40000	.00000	6.41900	161.41000
1.250	-3.980	1.99633	404.00300	1.94973	369.40800	956.80000	1.42329	110.30000	.00000	4.61900	153.26000
1.250	-1.979	1.98308	404.09100	1.95047	369.70400	957.10000	1.42310	110.20000	.00000	3.00500	134.72000
1.250	.013	2.01096	404.41700	1.95165	369.60200	957.70000	1.42345	110.20000	.00000	2.24000	89.62000
1.250	2.027	1.92152	404.63500	1.95244	369.99600	958.30000	1.42328	110.30000	.00000	2.99500	43.65000
1.250	3.990	1.94534	404.78000	1.95236	369.79600	958.50000	1.42357	110.40000	.00000	4.60400	26.06000
1.247	6.047	2.01971	403.85000	1.95060	370.79500	957.10000	1.42194	110.20000	.00000	6.50200	18.51000
	GRADIENT	-.00822	.10520	.00040	.05369	.23071	.00004	.01500	.00000	-.00274	-17.32527

RUN NO. 418/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-5.970	2.00949	428.29200	1.99693	312.22600	993.40000	1.49355	109.70000	.00000	6.42200	161.34000
1.400	-3.969	1.97802	429.11100	2.00120	312.81200	995.30000	1.49356	109.60000	.00000	4.59700	153.40000
1.400	-1.982	1.98637	430.06400	2.00548	313.29800	997.50003	1.49375	109.60000	.00000	3.00600	134.68000
1.400	.016	2.02712	430.01800	2.00677	313.39700	997.40000	1.49363	109.30000	.00000	2.25300	89.46000
1.400	2.039	1.92766	428.59200	2.00072	312.52000	994.10000	1.49348	109.20000	.00000	3.00500	43.49000
1.399	4.006	1.95361	430.40000	2.00881	313.98800	998.30000	1.49334	109.30000	.00000	4.61800	26.02000
1.400	6.023	2.02165	430.36400	2.00881	313.59200	998.20000	1.49369	109.20000	.00000	6.47500	18.56000
	GRADIENT	-.00541	.05450	.00052	.07820	.12814	-.00004	-.05015	.00000	.00188	-17.33125

RUN NO. 371/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-5.958	1.99159	433.19000	1.99966	294.45800	1005.50000	1.51356	110.50000	.00000	6.40400	161.49000
1.450	-3.955	1.98460	433.56900	1.99989	294.55400	1006.40000	1.51371	110.80000	.00000	4.58600	153.28000
1.449	-2.023	2.02359	432.81100	1.99849	294.36300	1004.60000	1.51340	110.40000	.00000	3.06000	134.82000
1.450	.015	2.02562	432.67100	1.99944	294.06700	1004.30000	1.51360	111.10000	.00000	2.25200	89.58000
1.450	2.003	1.99575	433.43400	1.99733	294.35700	1006.10000	1.51382	111.20000	.00000	3.02700	45.09000
1.449	3.994	1.95164	432.76900	1.99646	294.36400	1004.50000	1.51338	110.80000	.00000	4.60700	26.14000
1.450	6.007	2.03078	432.75900	1.99487	294.16600	1004.50000	1.51356	111.10000	.00000	6.46300	18.72000
	GRADIENT	-.00474	-.04857	-.00040	-.01933	-.11432	-.00001	.04063	.00000	.00125	-17.27994

RUN NO. 408/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.499	-5.959	1.99893	435.93600	2.00079	277.05500	1016.00000	1.53197	110.20000	.00000	6.40800	161.41000
1.499	-3.975	1.99561	434.07600	1.99238	276.08400	1011.60000	1.53177	110.20000	.00000	4.60900	153.26000
1.499	-1.987	1.98639	436.82600	2.00530	277.54200	1018.10000	1.53205	110.10000	.00000	3.01000	134.76000
1.499	.009	2.03060	435.76600	2.00002	276.95800	1015.60000	1.53196	110.20000	.00000	2.25700	89.69000
1.499	2.048	1.92711	434.69300	1.99556	276.27500	1013.10000	1.53196	110.10000	.00000	3.01200	43.48000
1.500	3.968	1.94695	435.06000	1.99716	276.37000	1014.00000	1.53210	110.10000	.00000	4.58100	26.18000
1.500	6.030	2.02132	435.28500	1.99897	276.26800	1014.60000	1.53233	109.90000	.00000	6.48100	18.58000
	GRADIENT	-.00790	-.00903	-.00001	-.03526	-.01182	.00003	-.01006	.00000	-.00392	-17.35836

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R040) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 388/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.549	-6.067	2.02667	438.17800	2.00117	260.86800	1028.60001	1.54908	110.20000	.00000	6.51700	161.51000
1.550	-4.056	2.08181	438.10100	2.00121	260.66900	1028.50000	1.54923	110.10000	.00000	4.71800	152.77000
1.550	-1.903	2.08858	438.44000	2.00228	260.86400	1029.30000	1.54923	110.20000	.00000	3.02600	132.14000
1.550	.148	1.91996	438.13800	2.00137	260.66800	1028.60001	1.54926	110.10000	.00000	2.15400	85.71000
1.548	2.041	1.93248	438.25700	2.00312	261.26700	1028.60001	1.54873	109.90000	.00000	3.01000	43.60000
1.550	3.991	1.94992	437.98600	2.00156	260.47100	1028.30000	1.54936	109.90000	.00000	4.60300	26.09000
1.550	6.025	2.02221	438.17500	2.00294	260.66800	1028.70000	1.54927	109.80000	.00000	6.47700	18.61000
	GRADIENT	-.02112	-.01988	.00008	.00081	-.05319	-.00001	-.03443	.00000	-.02078	-17.04326

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R040) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 451/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-5.956	1.99078	1.06805	.68875	.94405	.79928	.71578	-.25529	.08350	-.25580	.08514
.600	-4.008	2.00758	1.07915	.73457	.90729	.83779	.75438	-.17272	.08341	-.17387	.08473
.600	-1.998	2.00518	1.08893	.78379	.87338	.86599	.78471	-.08959	.08128	-.09015	.08266
.600	.006	2.05726	1.08787	.82653	.83137	.87383	.79268	-.00484	.08115	-.00506	.08166
.599	2.007	1.99417	1.08835	.87168	.79197	.86218	.79113	.07972	.07105	.07793	.07226
.600	3.981	1.97756	1.08098	.90902	.74841	.83557	.76805	.16061	.06752	.15885	.06935
.600	5.954	2.02230	1.06308	.94128	.70073	.79489	.72857	.24055	.06632	.23866	.06859
	GRADIENT	-.00354	.00016	.02186	-.01997	-.00040	.00171	.04183	-.00210	.04171	-.00206

RUN NO. 443/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.800	-5.997	2.00342	1.14699	.77226	1.01607	.87949	.80046	-.24381	.07903	-.24399	.08083
.800	-3.967	1.98091	1.15933	.81782	.98158	.91528	.83886	-.16376	.07642	-.16415	.07828
.799	-1.981	1.98613	1.16402	.86228	.94612	.93729	.86342	-.08384	.07388	-.08463	.07614
.799	.011	2.06175	1.16564	.90383	.90885	.94580	.87348	-.00502	.07232	-.00514	.07414
.799	2.041	1.92827	1.16396	.94497	.87009	.93314	.87066	.07488	.06248	.07337	.06464
.802	3.988	1.99230	1.15922	.98088	.83021	.91359	.84991	.15066	.06369	.14885	.06581
.800	6.022	2.02638	1.14255	1.01271	.78353	.87598	.81204	.22918	.06394	.22742	.06584
	GRADIENT	-.00182	-.00001	.02051	-.01900	-.00037	.00148	.03951	-.00185	.03933	-.00183

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R040) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 484/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-6.009	2.02840	1.20226	.83358	1.06870	.94093	.86083	-.23512	.08010	-.23442	.07777
.900	-4.005	2.00039	1.21145	.87577	1.03512	.97234	.89560	-.15936	.07674	-.15912	.07435
.900	-2.002	1.99999	1.21705	.91864	1.00142	.99405	.91968	-.08278	.07437	-.08219	.07243
.900	.012	2.02625	1.21730	.95927	.96406	.99993	.92891	-.00479	.07102	-.00424	.06880
.899	2.035	1.92032	1.21679	.99852	.92879	.98940	.92688	.06973	.06253	.06905	.05995
.900	4.016	1.96327	1.20950	1.03241	.88781	.96883	.90567	.14460	.06316	.14383	.06062
.900	6.023	2.02955	1.19584	1.06532	.84654	.93720	.87278	.21878	.06442	.21799	.06185
	GRADIENT	-.00769	-.00021	.01958	-.01829	-.00058	.00137	.03787	-.00194	.03771	-.00199

RUN NO. 432/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.100	-5.958	1.99088	1.31759	.98323	1.19203	1.07698	1.00946	-.20880	.06751	-.20895	.06995
1.100	-4.016	2.00411	1.32737	1.02082	1.16369	1.10677	1.03874	-.14288	.06802	-.14281	.06953
1.100	-1.974	1.98158	1.33135	1.06006	1.13255	1.12387	1.06049	-.07249	.06337	-.07254	.06457
1.100	.011	2.04910	1.33250	1.09581	1.10003	1.13051	1.06879	-.00422	.06172	-.00436	.06274
1.100	1.996	1.99719	1.33134	1.13004	1.06783	1.12211	1.06600	.06222	.05611	.06071	.05745
1.100	4.040	2.01946	1.32672	1.16231	1.03175	1.10421	1.04918	.13055	.05503	.12954	.05675
1.100	5.974	2.01056	1.31545	1.19090	.99518	1.07483	1.02201	.19572	.05283	.19470	.05519
	GRADIENT	.00230	-.00007	.01758	-.01636	-.00034	.00131	.03394	-.00166	.03376	-.00163

RUN NO. 362/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.250	-5.964	1.99862	1.40880	1.05013	1.26711	1.15420	1.07602	-.21698	.07819	-.21560	.07755
1.250	-3.980	1.99633	1.41826	1.09025	1.23706	1.18358	1.10706	-.14681	.07652	-.14589	.07611
1.250	-1.979	1.98308	1.42252	1.12989	1.20391	1.20038	1.12833	-.07403	.07205	-.07336	.07146
1.250	.013	2.01096	1.42069	1.16724	1.16807	1.20211	1.13715	-.00083	.06496	-.00034	.06449
1.250	2.027	1.92152	1.42199	1.20509	1.13662	1.19207	1.13746	.06847	.05461	.06828	.05452
1.250	3.990	1.94534	1.41807	1.23707	1.10249	1.17507	1.12191	.13458	.05316	.13446	.05296
1.247	6.047	2.01971	1.39969	1.26322	1.05913	1.14187	1.08826	.20408	.05361	.20346	.05331
	GRADIENT	-.00822	-.00004	.01849	-.01687	-.00126	.00196	.03536	-.00322	.03521	-.00317

RUN NO. 418/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.400	-5.970	2.00949	1.48640	1.06653	1.30694	1.17685	1.10394	-.24041	.07291	-.24066	.07485
1.400	-3.969	1.97802	1.49110	1.10881	1.26972	1.20420	1.13319	-.16090	.07101	-.16153	.07275
1.400	-1.982	1.98637	1.49147	1.14931	1.23183	1.21947	1.15197	-.08252	.06750	-.08264	.06911
1.400	.016	2.02712	1.49056	1.18730	1.19538	1.22382	1.15848	-.00808	.06534	-.00843	.06657
1.400	2.039	1.92766	1.48924	1.22497	1.15901	1.21642	1.15694	.06596	.05948	.06501	.06089
1.399	4.006	1.95361	1.49012	1.26404	1.12145	1.20276	1.14197	.14259	.06079	.14111	.06212
1.400	6.023	2.02165	1.48146	1.30049	1.07994	1.17716	1.11273	.22056	.06443	.21954	.06536
	GRADIENT	-.00541	-.00021	.01933	-.01849	-.00030	.00113	.03783	-.00143	.03770	-.00148

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R040) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 371/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.450	-5.958	1.99159	1.49755	1.04728	1.30229	1.15633	1.09179	-.25502	.06454	-.25496	.06474
1.450	-3.955	1.98460	1.50474	1.08644	1.26280	1.18125	1.11784	-.17636	.06341	-.17625	.06305
1.449	-2.023	2.02359	1.50799	1.12261	1.22342	1.19544	1.13288	-.10081	.06257	-.10048	.06263
1.450	.015	2.02562	1.50762	1.15956	1.18536	1.20503	1.13830	-.02580	.06673	-.02526	.06730
1.450	2.003	1.99575	1.50753	1.20012	1.14366	1.20733	1.13168	.05645	.07564	.05577	.07590
1.449	3.994	1.95164	1.50176	1.24459	1.10425	1.19639	1.11883	.14034	.07757	.13947	.07757
1.450	6.007	2.03078	1.49158	1.28704	1.06457	1.17590	1.09392	.22247	.08198	.22145	.08205
	GRADIENT	-.00474	-.00032	.01977	-.01992	.00211	.00003	.03968	.00208	.03954	.00213

RUN NO. 408/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.499	-5.959	1.99893	1.52188	1.00351	1.27566	1.12659	1.05385	-.27315	.07273	-.27311	.07436
1.499	-3.975	1.99561	1.52600	1.04339	1.22999	1.14763	1.07790	-.18660	.06973	-.18649	.07143
1.499	-1.987	1.98639	1.52618	1.07379	1.17909	1.15295	1.08356	-.10529	.06939	-.10551	.07097
1.499	.009	2.03060	1.52352	1.10834	1.12922	1.15551	1.07986	-.02088	.07565	-.02104	.07716
1.499	2.048	1.92711	1.52534	1.16370	1.09578	1.16124	1.08796	.06792	.07328	.06704	.07483
1.500	3.968	1.94695	1.52216	1.20930	1.05725	1.15194	1.07717	.15206	.07477	.15092	.07582
1.500	6.030	2.02132	1.51673	1.26479	1.02472	1.13948	1.06233	.24007	.07715	.23896	.07848
	GRADIENT	-.00790	-.00043	.02117	-.02153	.00086	.00016	.04269	.00070	.04254	.00063

RUN NO. 388/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.549	-6.067	2.02667	1.55544	.71077	1.03013	.88160	.78270	-.31935	.09889	-.31952	.09946
1.550	-4.056	2.08181	1.55298	.73043	.91411	.84458	.75912	-.18368	.08546	-.18396	.08610
1.550	-1.903	2.08858	1.55326	.81836	.88248	.87260	.81022	-.06412	.06237	-.06448	.06319
1.550	.148	1.91996	1.55558	1.00381	.99204	1.00979	.97233	.01176	.03746	.01078	.03749
1.548	2.041	1.93248	1.55369	1.00209	.92555	.96421	.93679	.07654	.02743	.07554	.02730
1.550	3.991	1.94992	1.55128	.91778	.72545	.80866	.77802	.19233	.03063	.19181	.03076
1.550	6.025	2.02221	1.55188	1.01632	.70708	.84330	.79159	.30924	.05172	.30837	.05192
	GRADIENT	-.02112	-.00014	.02835	-.01623	.00148	.00876	.04458	-.00728	.04452	-.00737

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R040) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 451/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-5.956	1.99078	.81666	.75671	.78668	.04224	.00014
.600	-4.008	2.00756	.82150	.79542	.80846	.04171	-.00091
.600	-1.998	2.00518	.82886	.82466	.82676	.04212	-.00019
.600	.006	2.05726	.82906	.83300	.83103	.04213	-.00290
.599	2.007	1.99417	.83272	.82606	.82939	.04115	-.00381
.600	3.981	1.97756	.82959	.80090	.81524	.04071	-.00034
.600	5.954	2.02230	.82195	.76059	.79127	.04032	-.00041
	GRADIENT	-.00354	.00100	.00063	.00082	-.00015	-.00013

RUN NO. 443/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.800	-5.997	2.00342	.89425	.83908	.86666	.03917	-.00120
.800	-3.967	1.98091	.89989	.87614	.88802	.03967	-.00137
.799	-1.981	1.98613	.90459	.89922	.90191	.04022	-.00033
.799	.011	2.06175	.90640	.90873	.90756	.03924	-.00355
.799	2.041	1.92827	.90829	.90082	.90455	.03858	-.00242
.802	3.988	1.99230	.90645	.88069	.89357	.03877	.00124
.800	6.022	2.02638	.89900	.84306	.87103	.03856	-.00059
	GRADIENT	-.00182	.00084	.00054	.00069	-.00017	.00015

RUN NO. 484/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-6.009	2.02840	.95079	.90204	.92642	.03744	-.00190
.900	-4.005	2.00039	.95533	.93516	.94525	.03786	-.00133
.900	-2.002	1.99999	.95974	.95784	.95879	.03905	-.00078
.900	.012	2.02625	.96139	.96554	.96346	.03725	-.00385
.899	2.035	1.92032	.96399	.95943	.96171	.03675	-.00235
.900	4.016	1.96327	.96050	.93852	.94951	.03769	.00123
.900	6.023	2.02955	.95632	.90628	.93130	.03659	.00031
	GRADIENT	-.00769	.00073	.00042	.00057	-.00013	.00018

RUN NO. 432/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.100	-5.958	1.99088	1.08770	1.04200	1.06485	.03401	.00051
1.100	-4.016	2.00411	1.09223	1.07200	1.08211	.03418	-.00168
1.100	-1.974	1.98158	1.09633	1.09158	1.09396	.03467	-.00162
1.100	.011	2.04910	1.09799	1.09914	1.09856	.03343	-.00184
1.100	1.996	1.99719	1.09969	1.09338	1.09653	.03301	-.00178
1.100	4.040	2.01946	1.09754	1.07583	1.08669	.03387	-.00015
1.100	5.974	2.01056	1.09355	1.04723	1.07039	.03359	-.00113
	GRADIENT	.00230	.00070	.00047	.00058	-.00011	.00015

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R040) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 362/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.250	-5.964	1.99862	1.15793	1.11542	1.13668	.03493	-.00034
1.250	-3.980	1.99637	1.16320	1.14553	1.15436	.03557	-.00151
1.250	-1.979	1.98308	1.16657	1.16465	1.16561	.03693	-.00278
1.250	.013	2.01096	1.16741	1.16986	1.16864	.03544	-.00485
1.250	2.027	1.92152	1.17095	1.16481	1.16788	.03356	-.00315
1.250	3.990	1.94534	1.16984	1.14859	1.15921	.03369	.00029
1.247	6.047	2.01971	1.16149	1.11521	1.13835	- .03347	.00011
	GRADIENT	-.00822	.00089	.00032	.00060	-.00036	.00016

RUN NO. 418/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.400	-5.970	2.00949	1.18686	1.13942	1.16314	.03937	-.00076
1.400	-3.969	1.97802	1.18957	1.16783	1.17870	.03994	-.00164
1.400	-1.982	1.98637	1.19063	1.18491	1.18777	.03863	-.00133
1.400	.016	2.02712	1.19152	1.19056	1.19103	.03607	-.00236
1.400	2.039	1.92766	1.19247	1.18597	1.18922	.03746	-.00143
1.399	4.006	1.95361	1.19348	1.17170	1.18259	.03912	.00163
1.400	6.023	2.02165	1.19072	1.14448	1.16760	.03876	.00159
	GRADIENT	-.00541	.00048	.00044	.00046	-.00014	.00032

RUN NO. 371/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.450	-5.958	1.99159	1.17476	1.12396	1.14936	.03907	-.00089
1.450	-3.955	1.98460	1.17457	1.14972	1.16215	.03972	-.00074
1.449	-2.023	2.02359	1.17285	1.16413	1.16849	.03762	.00068
1.450	.015	2.02562	1.17219	1.17138	1.17179	.03833	.00415
1.450	2.003	1.99575	1.17223	1.16938	1.17081	.04217	.00261
1.449	3.994	1.95164	1.17485	1.15761	1.16623	.04144	.00092
1.450	6.007	2.03078	1.17631	1.13487	1.15559	.04036	.00288
	GRADIENT	-.00474	-.00000	.00105	.00052	.00040	.00026

RUN NO. 408/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.499	-5.959	1.99893	1.14006	1.08941	1.11474	.04452	-.00148
1.499	-3.975	1.99561	1.13663	1.11191	1.12427	.04190	-.00146
1.499	-1.987	1.98639	1.12655	1.11747	1.12201	.04108	.00221
1.499	.009	2.03060	1.11886	1.11693	1.11789	.04295	.00121
1.499	2.048	1.92711	1.13018	1.12383	1.12700	04361	-.00106
1.500	3.968	1.94695	1.13384	1.11403	1.12393	.04332	.00130
1.500	6.030	2.02132	1.14531	1.10024	1.12277	.04239	.00129
	GRADIENT	-.00790	-.00010	.00054	.00022	.00027	.00011

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R040) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 388/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.549	-6.067	2.02667	.87053	.83186	.85120	.06934	-.00586
1.550	-4.056	2.08181	.82241	.80153	.81197	.06353	-.00822
1.550	-1.903	2.08858	.85060	.84100	.84580	.04566	-.01295
1.550	.148	1.91996	.99842	.99104	.99473	.02989	-.00961
1.548	2.041	1.93249	.96432	.95056	.95744	.04716	-.00194
1.550	3.991	1.94992	.82187	.79328	.80758	.06227	.00647
1.550	6.025	2.02221	.86213	.81734	.83974	.05484	.01237
	GRADIENT	-.02112	.00609	.00517	.00563	-.00016	.00198

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R041) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.268 BETA = 2.000
PHI = .000

RUN NO. 283/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-5.907	2.02949	319.83700	2.47794	1274.25000	1623.80000	1.09290	110.50000	.00000	6.42000	160.96000
.598	-3.879	1.96176	319.60800	2.47787	1275.46001	1624.70000	1.09271	110.50000	.00000	4.54600	153.05000
.599	-2.005	2.01379	319.90200	2.47585	1273.36000	1623.00000	1.09296	110.80000	.00000	3.06500	134.66000
.598	-1.026	2.04995	318.46100	2.46859	1270.39999	1618.39999	1.09276	110.50000	.00000	2.53000	116.40000
.599	.000	2.04021	319.37400	2.47464	1272.77000	1621.80000	1.09286	110.50000	.00000	2.28500	90.05000
.599	.952	2.00975	319.01000	2.47283	1271.88000	1620.50000	1.09282	110.40000	.00000	2.46100	64.96000
.599	2.008	2.04536	320.02700	2.47834	1275.05000	1624.80000	1.09288	110.70000	.00000	3.08700	45.82000
.599	3.968	1.98052	319.78400	2.47475	1271.96001	1621.50000	1.09305	110.70000	.00000	4.63000	26.66000
.598	6.128	2.04149	319.41300	2.47453	1274.46001	1623.50000	1.09275	110.80000	.00000	6.62800	18.51000
	GRADIENT	.00226	.03825	-.00006	-.21256	-.16117	.00003	.01218	.00000	.01177	-17.76983

RUN NO. 320/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.899	-5.999	2.01091	350.45000	2.00520	618.82000	1046.00000	1.21895	110.30000	.00000	6.48200	161.45000
.900	-3.979	1.98906	349.31000	1.99820	616.34800	1042.20000	1.21912	110.30000	.00000	4.63200	153.39000
.900	-2.016	2.02226	349.39800	1.99829	616.54600	1042.50000	1.21911	110.40000	.00000	3.06800	134.79000
.900	-.004	2.01293	349.80300	2.00003	617.13600	1043.60001	1.21915	110.50000	.00000	2.24800	90.16000
.900	2.008	2.01312	349.96100	2.00130	617.33300	1044.00000	1.21918	110.40000	.00000	3.05500	45.28000
.900	4.026	2.00472	350.05300	2.00113	616.83200	1043.70000	1.21944	110.40000	.00000	4.67800	26.56000
.900	5.957	1.97950	349.91400	2.00105	616.83500	1043.50000	1.21934	110.30000	.00000	6.43000	18.43000
	GRADIENT	.00109	.10229	.00044	.08739	.22445	.00004	.00990	.00000	.00544	-17.13530

!A132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R041) (13 FEB 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

RN/L = 2.268 BETA = 2.000
PHI = .000

RUN NO. 283/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-5.907	2.02949	1.05489	.68240	.94658	.79859	.71699	-.26418	.08161	-.25827	.08433
.598	-3.879	1.96176	1.07326	.73595	.91423	.84200	.76358	-.17828	.07842	-.17264	.08101
.599	-2.005	2.01379	1.07515	.77611	.87601	.86526	.78411	-.09990	.08116	-.09399	.08352
.598	-1.026	2.04995	1.07989	.80071	.85893	.87490	.79372	-.05822	.08119	-.05247	.08363
.599	.000	2.04021	1.07689	.82166	.83529	.87406	.79527	-.01363	.07879	-.00823	.08110
.599	.952	2.00975	1.07880	.84418	.81818	.87145	.79773	.02600	.07373	.03100	.07558
.599	2.008	2.04536	1.07620	.86527	.79360	.86452	.78956	.07167	.07496	.07585	.07699
.599	3.968	1.98052	1.06687	.90121	.75025	.83313	.76773	.15096	.06540	.15538	.06808
.598	6.128	2.04149	1.05063	.93975	.70135	.79322	.72596	.23840	.06726	.24217	.06971
	GRADIENT	.00226	-.00061	.02132	-.02082	-.00105	.00070	.04214	-.00175	.04192	-.00177

RUN NO. 320/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.899	-5.999	2.01091	1.17220	.83344	1.07394	.93733	.86580	-.24050	.07159	-.23524	.07475
.900	-3.979	1.98906	1.18438	.87688	1.04095	.97254	.90007	-.16407	.07246	-.15953	.07531
.900	-2.016	2.02226	1.18831	.91810	1.00571	.99365	.92192	-.08761	.07174	-.08267	.07476
.900	-.004	2.01293	1.18986	.95884	.96951	1.00099	.93242	-.01067	.06856	-.00588	.07134
.900	2.008	2.01312	1.18723	.99641	.93105	.99144	.92690	.06536	.06455	.06850	.06730
.900	4.026	2.00472	1.18165	1.03309	.89136	.97026	.90817	.14173	.06209	.14422	.06494
.900	5.957	1.97950	1.16868	1.06474	.85134	.93800	.87744	.21341	.06056	.21570	.06363
	GRADIENT	.00109	-.00033	.01950	-.01866	-.00036	.00104	.03816	-.00140	.03787	-.00141

!A132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R041) (14 FEB 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

RN/L = 2.268 BETA = 2.000
PHI = .000

RUN NO. 283/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-5.907	2.02949	.81154	.75643	.78398	.04233	-.00258
.598	-3.879	1.96176	.82227	.80150	.81188	.04204	.00023
.599	-2.005	2.01379	.82310	.82351	.82330	.04204	.00096
.598	-1.026	2.04995	.82694	.83309	.83002	.04313	-.00060
.599	.000	2.04021	.82577	.83351	.82964	.04198	-.00556
.599	.952	2.00975	.82867	.83366	.83117	.04169	-.00224
.599	2.008	2.04536	.82735	.82603	.82669	.04218	.00031
.599	3.968	1.98052	.82352	.79909	.81130	.03993	-.00384
.598	6.128	2.04149	.81867	.75837	.78852	.04031	.00305
	GRADIENT	.00226	.00036	-.00016	.00010	-.00023	-.00046

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R041) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.268 BETA = 2.000
PHI = .000

RUN NO. 320/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.899	-5.999	2.01091	.95106	.90001	.92554	.03697	.00034
.900	-3.979	1.98906	.95664	.93488	.94576	.03848	.00016
.900	-2.016	2.02226	.95943	.95627	.95785	.03905	-.00099
.900	-.004	2.01293	.96178	.96532	.96355	.03728	-.00212
.900	2.008	2.01312	.96216	.95779	.95998	.03721	-.00165
.900	4.026	2.00472	.96098	.93779	.94939	.03740	-.00082
.900	5.957	1.97950	.95689	.90618	.93154	.03682	-.00061
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R042) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 452/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-5.978	3.94375	321.82000	2.49715	1282.09000	1633.80000	1.09288	109.80000	.00000	7.32200	146.47000
.600	-3.959	3.98729	322.40600	2.50043	1281.47000	1633.89999	1.09312	109.60000	.00000	5.80200	134.67000
.600	-2.002	3.95613	322.75600	2.50114	1281.77000	1634.60001	1.09318	109.80000	.00000	4.63800	116.73000
.599	-.045	3.95017	322.25100	2.49974	1282.17999	1634.39999	1.09300	109.70000	.00000	4.16500	90.66000
.600	1.990	4.06424	322.85500	2.50207	1282.36000	1635.30000	1.09318	109.80000	.00000	4.72800	64.05000
.600	4.025	4.04494	323.02400	2.50163	1282.25999	1635.39999	1.09323	110.00000	.00000	5.88700	45.29000
.599	5.988	3.99087	322.35700	2.49927	1283.07001	1635.39999	1.09298	110.00000	.00000	7.35400	33.81000
	GRADIENT	.01127	.06739	.00017	.10826	.18554	.00001	.04019	.00000	.01545	-11.59551

RUN NO. 444/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.798	-6.037	4.06065	318.02300	1.97666	714.23600	1086.10001	1.16930	109.70000	.00000	7.43100	145.95000
.798	-4.019	4.00792	322.18900	2.00182	721.93200	1098.80000	1.16971	109.50000	.00000	5.85500	134.95000
.799	-1.984	3.93071	322.34600	2.00181	720.83100	1098.00000	1.17008	109.40000	.00000	4.60500	116.66000
.799	-.048	3.97211	322.06500	1.99936	719.93800	1096.80000	1.17014	109.50000	.00000	4.18500	90.69000
.799	1.987	4.03922	322.94000	2.00436	721.91600	1099.80000	1.17014	109.60000	.00000	4.70200	63.93000
.799	4.022	4.04061	321.96400	1.99929	720.73900	1097.39999	1.16989	109.60000	.00000	5.87900	45.27000
.799	6.007	4.00019	321.54500	1.99693	720.04900	1096.20000	1.16982	109.60000	.00000	7.37100	33.78000
	GRADIENT	.00866	.00713	-.00012	-.06431	-.04942	.00002	.01990	.00000	.00823	-11.56932

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R042) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 485/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.982	3.97882	350.13800	1.99968	617.72900	1044.60001	1.21915	111.00000	.00000	7.32300	146.26000
.900	-4.013	4.00647	350.01100	1.99903	617.13200	1043.89999	1.21930	110.90000	.00000	5.83600	134.92000
.900	-2.016	3.95181	349.28200	1.99507	616.04900	1041.89999	1.21922	110.90000	.00000	4.62700	116.89000
.900	.006	4.01581	349.63500	1.99817	616.84100	1043.10001	1.21915	110.70000	.00000	4.21800	89.89000
.900	1.993	4.06889	349.87200	1.99939	617.13500	1043.70000	1.21920	110.70000	.00000	4.72200	63.99000
.900	4.008	4.00765	349.40800	1.99753	616.64600	1042.60001	1.21907	110.60000	.00000	5.83600	45.10000
.900	6.048	4.02416	349.27200	1.99673	615.95000	1041.80000	1.21925	110.50000	.00000	7.40400	33.74000
	GRADIENT	.00596	-.03071	.00007	.00575	-.03982	-.00002	-.03992	.00000	.00472	-11.59644

RUN NO. 433/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-6.026	4.03301	372.28500	1.90144	439.73400	938.60000	1.33732	109.80000	.00000	7.36200	146.12000
1.101	-3.962	3.94735	372.56100	1.90219	439.03400	938.60000	1.33811	109.70000	.00000	5.74000	135.01000
1.100	-2.012	3.94579	372.18800	1.90173	439.53600	938.30000	1.33739	109.60000	.00000	4.60400	116.92000
1.100	.002	3.98585	371.79900	1.89872	439.34300	937.50000	1.33718	109.90000	.00000	4.17400	89.98000
1.100	1.984	4.04106	371.80100	1.89971	439.04500	937.30000	1.33741	109.60000	.00000	4.67600	63.96000
1.100	4.021	4.03684	371.56700	1.89751	439.04800	936.90000	1.33720	109.90000	.00000	5.84300	45.22000
1.099	5.967	3.96526	371.29300	1.89657	439.15200	936.50000	1.33687	109.90000	.00000	7.27800	33.70000
	GRADIENT	.01374	-.11886	-.00057	-.02351	-.22043	-.00009	.02023	.00000	.01531	-11.64865

RUN NO. 363/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.031	4.04344	403.87300	1.94923	369.31000	956.50000	1.42327	110.20000	.00000	7.36900	146.06000
1.250	-3.968	3.95046	404.28600	1.95104	369.50400	957.40000	1.42344	110.20000	.00000	5.74400	135.01000
1.250	-1.997	3.92968	404.31500	1.95170	369.60300	957.50000	1.42337	110.10000	.00000	4.58200	116.82000
1.250	-.041	3.98035	404.50400	1.95273	369.89800	958.00000	1.42327	110.10000	.00000	4.16700	90.58000
1.250	1.976	4.03474	404.50400	1.95183	369.89800	958.00000	1.42327	110.30000	.00000	4.66500	64.01000
1.250	4.028	4.04381	404.66400	1.95265	370.09400	958.40000	1.42322	110.30000	.00000	5.85000	45.22000
1.249	6.024	4.01072	404.64900	1.95244	370.39100	958.50000	1.42294	110.40000	.00000	7.34500	33.75000
	GRADIENT	.01462	.04733	.00017	.07379	.12517	-.00003	.02017	.00000	.01703	-11.63650

RUN NO. 419/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.401	-6.015	4.03770	431.06000	2.01040	313.78400	999.80000	1.49398	109.50000	.00000	7.34500	146.03000
1.400	-3.973	3.95854	431.14000	2.01057	314.17900	1000.00000	1.49366	109.60000	.00000	5.74600	134.99000
1.400	-2.005	3.95906	429.97400	2.00519	313.39800	997.30000	1.49360	109.60000	.00000	4.60500	116.73000
1.401	-.048	3.95342	430.19800	2.00587	313.09900	997.80000	1.49404	109.60000	.00000	4.13500	90.66000
1.400	1.978	4.04586	430.19100	2.00615	313.49500	997.80000	1.49366	109.60000	.00000	4.67000	64.00000
1.401	4.028	4.05312	430.28400	2.00629	313.19700	998.00000	1.49400	109.60000	.00000	5.85000	45.25000
1.401	6.000	3.99499	430.19500	2.00601	313.29700	997.80000	1.49385	109.60000	.00000	7.31000	33.72000
	GRADIENT	.01386	-.07405	-.00038	-.09275	-.17338	.00004	.00000	.00000	.01604	-11.61735

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R042) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 372/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-6.032	4.05437	432.19800	1.99601	293.77500	1003.20000	1.51357	110.30000	.00000	7.36700	146.01000
1.450	-3.951	3.95623	431.89200	1.99500	293.48100	1002.50000	1.51365	110.20000	.00000	5.72900	134.87000
1.450	-2.025	3.97741	431.93400	1.99424	293.48000	1002.60000	1.51368	110.40000	.00000	4.63000	116.89000
1.450	-.046	3.92615	432.45300	1.99573	293.87100	1003.80000	1.51364	110.60000	.00000	4.10900	90.67000
1.450	1.991	4.07138	433.00800	2.00010	294.16300	1005.10000	1.51372	110.20000	.00000	4.69900	64.05000
1.450	4.027	4.04889	433.26800	1.99991	294.35900	1005.70000	1.51370	110.50000	.00000	5.84700	45.28000
1.451	6.008	4.00580	433.42900	1.99957	294.25800	1006.10000	1.51390	110.70000	.00000	7.32300	33.79000
	GRADIENT	.01407	.19189	.00079	.12231	.44638	.00001	.01969	.00000	.01808	-11.61959

RUN NO. 409/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.023	4.02487	435.63700	1.99876	276.56200	1015.40000	1.53226	110.30000	.00000	7.34500	146.15000
1.499	-3.966	3.94866	435.21600	1.99753	276.66700	1014.30000	1.53190	110.20000	.00000	5.73500	135.03000
1.501	-2.029	3.96493	435.12900	1.99486	275.97100	1014.30000	1.53252	110.60000	.00000	4.62100	116.99000
1.500	-.046	3.95611	434.87800	1.99534	276.17300	1013.60000	1.53218	110.30000	.00000	4.13800	90.65000
1.499	1.974	4.03368	435.80500	1.99924	276.95800	1015.70000	1.53199	110.40000	.00000	4.65700	64.02000
1.500	4.016	4.04019	436.51300	2.00239	277.24700	1017.40000	1.53214	110.40000	.00000	5.83200	45.26000
1.499	5.979	3.98351	435.17600	1.99502	276.66700	1014.20000	1.53188	110.70000	.00000	7.28600	33.74000
	GRADIENT	.01264	.16499	.00071	.10873	.38333	-.00000	.00981	.00000	.01398	-11.64539

RUN NO. 389/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.549	-6.016	4.06845	438.33000	2.00191	261.06600	1028.89999	1.54897	110.20000	.00000	7.36200	145.87000
1.551	-3.921	3.94979	438.22700	2.00160	260.36700	1029.00000	1.54960	110.10000	.00000	5.70400	134.76000
1.550	-2.002	3.97497	438.44000	2.00370	260.86400	1029.30000	1.54923	109.90000	.00000	4.61700	116.71000
1.550	-.047	3.93520	438.45700	2.00278	260.76300	1029.39999	1.54935	110.10000	.00000	4.11700	90.65000
1.550	1.989	4.04321	438.44000	2.00275	260.86400	1029.30000	1.54923	110.10000	.00000	4.67200	63.90000
1.550	4.030	4.04133	438.25000	2.00185	260.66700	1028.89999	1.54932	110.10000	.00000	5.84300	45.24000
1.550	6.058	4.03091	438.47400	2.00186	260.66300	1029.50000	1.54945	110.30000	.00000	7.37600	33.69000
	GRADIENT	.01271	.00183	-.00003	.02950	-.01097	-.00003	.01016	.00000	.02003	-11.65450

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R042) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 452/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-5.978	3.94375	1.05086	.66285	.91747	.84014	.67251	-.25462	.16763	-.25544	.16962
.600	-3.959	3.98729	1.07139	.71303	.88246	.88256	.71506	-.16938	.16750	-.16995	.16882
.600	-2.002	3.95613	1.07967	.75863	.84525	.90370	.74084	-.08662	.16286	-.08688	.16468
.599	-.045	3.95017	1.08190	.80194	.80627	.91071	.75063	-.00433	.16008	-.00484	.16167
.600	1.990	4.06424	1.07621	.84214	.76013	.90104	.73949	.08200	.16155	.08031	.16295
.600	4.025	4.04494	1.06654	.88460	.71580	.87319	.71615	.16880	.15704	.16684	.15807
.599	5.988	3.99087	1.04858	.92066	.67207	.83414	.67853	.24859	.15561	.24603	.15653
	GRADIENT	.01127	-.00068	.02136	-.02097	-.00112	-.00001	.04234	-.00111	.04212	-.00116

RUN NO. 444/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.798	-6.037	4.06065	1.13018	.74707	.99040	.91909	.75646	-.24332	.16263	-.24345	.16418
.798	-4.019	4.00792	1.14774	.79297	.95658	.95413	.79475	-.16361	.15939	-.16429	.16118
.799	-1.984	3.93071	1.15661	.83964	.92245	.97380	.82135	-.08282	.15245	-.08303	.15408
.799	-.048	3.97211	1.15816	.88098	.88463	.97956	.82958	-.00365	.14997	-.00434	.15148
.799	1.987	4.03922	1.15524	.92058	.84338	.97219	.82187	.07720	.15032	.07596	.15163
.799	4.022	4.04061	1.14881	.95958	.80374	.95125	.80253	.15584	.14872	.15484	.15023
.799	6.007	4.00019	1.13138	.99403	.76074	.91380	.76666	.23329	.14714	.23215	.14845
	GRADIENT	.00866	.00003	.02065	-.01919	-.00038	.00079	.03984	-.00117	.03975	-.00121

RUN NO. 485/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-5.982	3.97882	1.18850	.81320	1.04571	.97883	.82306	-.23251	.15577	-.23195	.15395
.900	-4.013	4.00647	1.20232	.85498	1.01251	1.01089	.85614	-.15753	.15475	-.15675	.15258
.900	-2.016	3.95181	1.20952	.89753	.97874	1.02827	.87923	-.08121	.14904	-.08004	.14719
.900	.006	4.01581	1.21121	.93833	.94095	1.03594	.88661	-.00263	.14933	-.00220	.14766
.900	1.993	4.06889	1.20831	.97625	.90340	1.02657	.88092	.07285	.14565	.07213	.14371
.900	4.008	4.00765	1.20015	1.01340	.86488	1.00573	.86269	.14852	.14304	.14747	.14017
.900	6.048	4.02416	1.18270	1.04682	.82252	.97095	.82922	.22429	.14172	.22284	.13926
	GRADIENT	.00596	-.00028	.01973	-.01848	-.00060	.00074	.03821	-.00134	.03793	-.00141

RUN NO. 433/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.100	-6.026	4.03301	1.30644	.96370	1.17317	1.11247	.97266	-.20947	.13981	-.20963	.14143
1.101	-3.962	3.94735	1.32252	1.00794	1.14633	1.14231	1.00915	-.13839	.13316	-.13916	.13568
1.100	-2.012	3.94579	1.32804	1.04409	1.11492	1.15831	1.02713	-.07083	.13119	-.07109	.13272
1.100	.002	3.98585	1.32818	1.07900	1.08032	1.16170	1.03261	-.00132	.12909	-.00123	.13067
1.100	1.984	4.04106	1.32495	1.11137	1.04601	1.15511	1.02657	.06535	.12853	.06405	.13064
1.100	4.021	4.03684	1.31785	1.14397	1.01077	1.13533	1.00985	.13319	.12548	.13277	.12761
1.099	5.967	3.96526	1.30617	1.17527	.97656	1.10709	.98433	.19871	.12276	.19798	.12459
	GRADIENT	.01374	-.00063	.01700	-.01703	-.00088	.00002	.03403	-.00090	.03401	-.00091

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R042) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 363/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.250	-6.031	4.04344	1.39593	1.03077	1.24574	1.19092	1.03788	-.21497	.15304	-.21391	.15309
1.250	-3.968	3.95046	1.41181	1.07363	1.21675	1.21930	1.07349	-.14292	.14582	-.14212	.14535
1.250	-1.997	3.92968	1.41672	1.11293	1.18357	1.23401	1.09287	-.07064	.14114	-.06960	.14075
1.250	-.041	3.98035	1.41675	1.14955	1.14906	1.23681	1.09870	.00050	.13811	.00028	.13758
1.250	1.976	4.03474	1.41516	1.18713	1.11508	1.22740	1.09622	.07205	.13119	.07163	.13073
1.250	4.028	4.04381	1.40688	1.21954	1.07756	1.20722	1.07771	.14198	.12951	.14165	.12847
1.249	6.024	4.01072	1.39329	1.25000	1.04185	1.17815	1.05108	.20814	.12707	.20775	.12627
	GRADIENT	.01462	-.00058	.01830	-.01737	-.00157	.00056	.03568	-.00213	.03549	-.00219

RUN NO. 419/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.401	-6.015	4.03770	1.47568	1.04656	1.28837	1.21627	1.06216	-.24181	.15411	-.24173	.15605
1.400	-3.973	3.95854	1.48652	1.09150	1.25229	1.24338	1.09507	-.16078	.14831	-.16081	.15033
1.400	-2.005	3.95906	1.48943	1.13103	1.21505	1.25763	1.11203	-.08402	.14563	-.08433	.14742
1.401	-.048	3.95342	1.48972	1.16934	1.17785	1.26100	1.11824	-.00851	.14276	-.00850	.14453
1.400	1.978	4.04586	1.48783	1.20870	1.13921	1.25745	1.11338	.06949	.14407	.06838	.14525
1.401	4.028	4.05312	1.48301	1.24712	1.09945	1.24180	1.09699	.14766	.14482	.14646	.14595
1.401	6.000	3.99499	1.47497	1.28459	1.06248	1.21784	1.07256	.22211	.14528	.22124	.14661
	GRADIENT	.01386	-.00044	.01946	-.01909	-.00020	.00023	.03855	-.00042	.03839	-.00054

RUN NO. 372/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.450	-6.032	4.05437	1.48859	1.02891	1.28872	1.19963	1.04728	-.25981	.15234	-.25932	.15245
1.450	-3.951	3.95623	1.50136	1.07049	1.24985	1.22627	1.07723	-.17936	.14903	-.17900	.14926
1.450	-2.025	3.97741	1.50249	1.10579	1.20891	1.24020	1.09110	-.10312	.14910	-.10266	.14911
1.450	-.046	3.92615	1.50411	1.14507	1.16943	1.24837	1.09743	-.02436	.15095	-.02418	.15097
1.450	1.991	4.07138	1.50093	1.18353	1.12682	1.25097	1.09076	.05671	.16021	.05627	.16008
1.450	4.027	4.04889	1.49813	1.22918	1.08755	1.24250	1.07830	.14163	.16420	.14089	.16348
1.451	6.008	4.00580	1.48419	1.26817	1.04688	1.21779	1.05406	.22128	.16373	.22042	.16324
	GRADIENT	.01407	-.00041	.01979	-.02036	.00214	.00006	.04015	.00208	.04000	.00198

RUN NO. 409/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.500	-6.023	4.02487	1.51256	.99089	1.26527	1.17768	1.01341	-.27438	.16427	-.27450	.16560
1.499	-3.966	3.94866	1.52268	1.02802	1.21725	1.19464	1.03603	-.18924	.15861	-.18915	.16031
1.501	-2.029	3.96493	1.52255	1.06336	1.17011	1.20340	1.04610	-.10676	.15730	-.10674	.15865
1.500	-.046	3.95611	1.52321	1.10266	1.12463	1.20784	1.04838	-.02196	.15946	-.02206	.16051
1.499	1.974	4.03368	1.52191	1.14623	1.08037	1.20759	1.04367	.06587	.16392	.06486	.16489
1.500	4.016	4.04019	1.51946	1.20284	1.04922	1.20774	1.04179	.15362	.16594	.15242	.16665
1.499	5.979	3.98351	1.50992	1.25326	1.01542	1.18954	1.02645	.23784	.16309	.23703	.16417
	GRADIENT	.01264	-.00036	.02168	-.02131	.00151	.00044	.04299	.00107	.04281	.00095

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R042) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 389/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.549	-6.016	4.06845	1.55259	.71972	1.04566	.96509	.75539	-.32593	.20970	-.32578	.21027
1.551	-3.921	3.94979	1.55211	.71813	.91303	.90302	.71649	-.19489	.18653	-.19496	.18696
1.550	-2.002	3.97497	1.55074	.76612	.84742	.89183	.72889	-.08131	.16295	-.09110	.16341
1.550	-.047	3.93520	1.54942	.81595	.79965	.88456	.73857	.01631	.14599	.01585	.14661
1.550	1.989	4.04321	1.55137	.85996	.74585	.87094	.72586	.11411	.14508	.11359	.14553
1.550	4.030	4.04133	1.55161	.94387	.72894	.90525	.73714	.21494	.16811	.21430	.16839
1.550	6.058	4.03091	1.54936	1.04040	.72465	.93727	.76047	.31575	.17680	.31498	.17733
	GRADIENT	.01271	-.00001	.02744	-.02356	-.00078	.00190	.05100	-.00269	.05090	-.00270

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R042) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 452/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-5.978	3.94375	.79057	.75533	.77295	.04229	.00005
.600	-3.959	3.98729	.79805	.79814	.79810	.04247	-.00130
.600	-2.002	3.95613	.80207	.82136	.81171	.04224	-.00244
.599	-.045	3.95017	.80436	.82988	.81712	.04165	.00011
.600	1.990	4.06424	.80198	.81957	.81078	.04247	-.00082
.600	4.025	4.04494	.80118	.79416	.79767	.04158	-.00213
.599	5.988	3.99087	.79765	.75588	.77676	.03972	-.00010
	GRADIENT	.01127	.00030	-.00054	-.00012	-.00008	-.00000

RUN NO. 444/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.798	-6.037	4.06065	.86880	.83700	.85290	.03912	-.00083
.798	-4.019	4.00792	.87511	.87354	.87433	.03946	-.00281
.799	-1.984	3.93071	.88115	.89676	.88895	.04051	-.00285
.799	-.048	3.97211	.88315	.90382	.89348	.04023	-.00021
.799	1.987	4.03922	.88260	.89638	.88949	.03891	-.00018
.799	4.022	4.04061	.88216	.87614	.87915	.03880	-.00092
.799	6.007	4.00019	.87795	.83957	.85876	.03902	-.00088
	GRADIENT	.00866	.00077	.00022	.00050	-.00015	.00032

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R042) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 485/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-5.982	3.97882	.92917	.90186	.91552	.03816	.00009
.900	-4.013	4.00647	.93335	.93460	.93398	.03825	-.00226
.900	-2.016	3.95181	.93755	.95467	.94611	.03863	-.00119
.900	.006	4.01581	.93943	.96211	.95077	.03794	-.00042
.900	1.993	4.06889	.94019	.95472	.94745	.03730	-.00245
.900	4.008	4.00765	.93966	.93564	.93765	.03723	-.00100
.900	6.048	4.02416	.93540	.90132	.91836	.03681	-.00018
	GRADIENT	.00596	.00076	.00011	.00043	-.00017	.00006

RUN NO. 433/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.100	-6.026	4.03301	1.06851	1.04175	1.05513	.03397	-.00313
1.101	-3.962	3.94735	1.07752	1.07447	1.07599	.03452	-.00211
1.100	-2.012	3.94579	1.07963	1.09195	1.08579	.03515	-.00130
1.100	.002	3.98585	1.07962	1.09637	1.08799	.03364	-.00030
1.100	1.984	4.04106	1.07935	1.08979	1.08457	.03313	-.00060
1.100	4.021	4.03684	1.07758	1.07152	1.07455	.03380	-.00176
1.099	5.967	3.96526	1.07628	1.04480	1.06054	.03336	-.00145
	GRADIENT	.01374	-.00001	-.00042	-.00022	-.00017	.00007

RUN NO. 363/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.250	-6.031	4.04344	1.13772	1.11438	1.12605	.03417	-.00404
1.250	-3.968	3.95046	1.14489	1.14663	1.14576	.03605	-.00317
1.250	-1.997	3.92968	1.14773	1.16364	1.15568	.03651	-.00148
1.250	-.041	3.98035	1.14941	1.16802	1.15871	.03547	-.00274
1.250	1.976	4.03474	1.15131	1.16204	1.15667	.03489	-.00252
1.250	4.028	4.04381	1.14871	1.14299	1.14585	.03346	-.00070
1.249	6.024	4.01072	1.14613	1.11502	1.13057	.03294	-.00131
	GRADIENT	.01462	.00056	-.00048	.00004	-.00034	.00020

RUN NO. 419/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.401	-6.015	4.03770	1.16742	1.13824	1.15283	.03985	-.00320
1.400	-3.973	3.95854	1.17191	1.16822	1.17006	.03918	-.00201
1.400	-2.005	3.95906	1.17320	1.18395	1.17857	.03883	-.00156
1.401	-.048	3.95342	1.17359	1.18873	1.18116	.03835	-.00062
1.400	1.978	4.04586	1.17451	1.18483	1.17967	.03792	.00061
1.401	4.028	4.05312	1.17389	1.16883	1.17136	.03806	.00026
1.401	6.000	3.99499	1.17397	1.14453	1.15925	.03785	.00037
	GRADIENT	.01386	.00026	.00008	.00017	-.00016	.00034

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R042) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 372/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.450	-6.032	4.05437	1.15857	1.12341	1.14099	.03833	-.00194
1.450	-3.951	3.95627	1.15999	1.15164	1.15582	.03913	-.00071
1.450	-2.025	3.97741	1.15712	1.16564	1.16138	.03988	.00006
1.450	-.046	3.92615	1.15716	1.17288	1.16502	.03923	.00309
1.450	1.991	4.07139	1.15539	1.17093	1.16316	.04069	.00376
1.450	4.027	4.04889	1.15873	1.16076	1.15975	.04119	.00030
1.451	6.008	4.00580	1.15796	1.13617	1.14707	.03960	-.00034
	GRADIENT	.01407	-.00021	.00115	.00047	.00025	.00028

RUN NO. 409/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.500	-6.023	4.02487	1.12814	1.09488	1.11151	.04121	-.00295
1.499	-3.966	3.94866	1.12259	1.11449	1.11854	.04206	-.00184
1.501	-2.029	3.96493	1.11673	1.12408	1.12040	.04270	.00006
1.500	-.046	3.95611	1.11369	1.12759	1.12064	.04289	.00184
1.499	1.974	4.03368	1.11380	1.12514	1.11947	.04298	.00191
1.500	4.016	4.04019	1.12663	1.12442	1.12552	.04295	-.00036
1.499	5.979	3.98351	1.13474	1.10746	1.12110	.04318	-.00171
	GRADIENT	.01264	.00027	.00104	.00066	.00010	.00024

RUN NO. 389/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.549	-6.016	4.06845	.88262	.85995	.87128	.06267	-.01063
1.551	-3.921	3.94979	.81561	.80954	.81258	.06207	-.01213
1.550	-2.002	3.97497	.80667	.81013	.80840	.05435	-.01116
1.550	-.047	3.93520	.80803	.81126	.80964	.04742	-.00586
1.550	1.989	4.04321	.80317	.79817	.80067	.04874	.00710
1.550	4.030	4.04133	.83672	.82106	.82889	.04966	.00945
1.550	6.058	4.03091	.88291	.84861	.86576	.04964	.00189
	GRADIENT	.01271	.00199	.00057	.00128	-.00151	.00310

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R043) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.278 BETA = 4.000
PHI = .000

RUN NO. 300/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.598	-5.975	4.00400	321.33300	2.49424	1283.28999	1634.39999	1.09267	110.10000	.00000	7.35600	146.09000
.598	-4.000	4.01541	321.24300	2.49312	1283.10001	1634.10001	1.09263	110.20000	.00000	5.85300	134.81000
.599	-1.983	3.94139	322.09600	2.49792	1282.88000	1634.89999	1.09290	110.00000	.00000	4.61800	116.65000
.599	-1.020	3.97785	321.66500	2.49534	1282.78999	1634.30000	1.09278	110.10000	.00000	4.31900	104.38000
.598	-.022	3.98615	321.14600	2.49394	1282.60001	1633.50000	1.09265	109.90000	.00000	4.20100	90.38000
.598	.985	4.01857	321.31900	2.49481	1282.70000	1633.80000	1.09268	109.90000	.00000	4.34900	76.36000
.598	2.005	4.03191	321.41000	2.49482	1282.89000	1634.10001	1.09272	110.00000	.00000	4.70600	63.74000
.598	4.009	4.02856	321.58600	2.49634	1283.09000	1634.50000	1.09274	109.90000	.00000	5.86500	45.31000
.598	6.049	4.02312	321.76200	2.49674	1283.28000	1634.89999	1.09280	110.00000	.00000	7.42200	33.78000
	GRADIENT	.00652	-.00781	.00015	-.00233	-.01111	-.00000	-.03329	.00000	.00692	-11.70466

RUN NO. 321/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.007	4.00530	349.66700	2.00013	616.44100	1042.80000	1.21933	110.20000	.00000	7.35800	146.23000
.899	-4.020	4.04383	349.37600	1.99963	617.04500	1042.89999	1.21890	110.20000	.00000	5.86700	134.75000
.900	-1.964	3.90761	349.84400	2.00033	616.83600	1043.39999	1.21930	110.40000	.00000	4.56400	116.61000
.900	-.031	3.97311	349.55600	1.99957	616.74200	1042.89999	1.21914	110.30000	.00000	4.17400	90.47000
.900	1.983	4.03618	349.40800	1.99934	616.64600	1042.60001	1.21907	110.20000	.00000	4.68500	63.96000
.900	4.014	4.03630	349.34800	1.99786	616.74700	1042.60001	1.21899	110.50000	.00000	5.85600	45.28000
.900	5.965	3.97094	349.44000	1.99769	616.24600	1042.30000	1.21925	110.50000	.00000	7.30300	33.75000
	GRADIENT	.00558	-.02424	-.00023	-.03924	-.06942	-.00000	.02023	.00000	.00519	-11.56500

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R043) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.278 BETA = 4.000
PHI = .000

RUN NO. 300/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.598	-5.975	4.00400	1.03024	.66040	.92418	.83903	.67112	-.26378	.16791	-.25885	.16959
.598	-4.000	4.01541	1.05146	.70974	.89018	.88274	.71375	-.18043	.16899	-.17548	.17041
.599	-1.983	3.94139	1.05860	.75640	.85006	.90419	.74085	-.09367	.16334	-.08907	.16529
.599	-1.020	3.97785	1.06228	.78123	.83118	.91244	.74981	-.04996	.16264	-.04625	.16439
.598	-.022	3.98615	1.06310	.80323	.81148	.91558	.75255	-.00825	.16303	-.00419	.16511
.598	.985	4.01857	1.06096	.82329	.78921	.91212	.74987	.03408	.16225	.03708	.16428
.598	2.005	4.03191	1.05795	.84510	.76744	.90579	.74381	.07766	.16198	.07994	.16406
.598	4.009	4.02856	1.04563	.88445	.72112	.87828	.71801	.16333	.16028	.16480	.16158
.598	6.049	4.02312	1.02432	.91995	.67499	.83498	.67868	.24496	.15630	.24621	.15853
	GRADIENT	.00652	-.00063	.02185	-.02103	-.00038	.00053	.04288	-.00090	.04242	-.00090

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R043) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.278 BETA = 4.000
PHI = .000

RUN NO. 321/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-6.007	4.00530	1.15921	.81162	1.05220	.97573	.82410	-.24058	.15163	-.23485	.15496
.899	-4.020	4.04383	1.17388	.85373	1.01835	1.01104	.85761	-.16462	.15342	-.15942	.15597
.900	-1.964	3.90761	1.18287	.89997	.98440	1.02935	.88417	-.08444	.14518	-.07960	.14793
.900	-.031	3.97311	1.18383	.93847	.94803	1.03525	.89131	-.00956	.14394	-.00450	.14669
.900	1.983	4.03618	1.18037	.97574	.90826	1.02904	.88393	.06749	.14511	.07066	.14779
.900	4.014	4.03630	1.17107	1.01254	.86824	1.00708	.86438	.14430	.14270	.14676	.14500
.900	5.965	3.97094	1.15731	1.04668	.82888	.97505	.83407	.21780	.14097	.21967	.14318
	GRADIENT	.00558	-.00041	.01966	-.01880	-.00042	.00066	.03846	-.00108	.03810	-.00111

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R043) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.278 BETA = 4.000
PHI = .000

RUN NO. 300/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.598	-5.975	4.00400	.78982	.75424	.77203	.04225	.00132
.598	-4.000	4.01541	.79748	.79753	.79751	.04213	-.00139
.599	-1.983	3.94139	.80093	.82155	.81124	.04436	-.00208
.599	-1.020	3.97785	.80435	.83025	.81730	.04363	.00034
.598	-.022	3.98615	.80532	.83302	.81917	.04109	.00002
.598	.985	4.01857	.80475	.82998	.81737	.04135	-.00070
.598	2.005	4.03191	.80513	.82376	.81444	.04255	-.00034
.598	4.009	4.02856	.80205	.79750	.79977	.04125	-.00161
.598	6.049	4.02312	.79685	.75571	.77628	.03925	-.00144
	GRADIENT	.00652	.00064	.00008	.00036	-.00022	.00004

RUN NO. 321/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-6.007	4.00530	.92905	.89825	.91365	.03778	.00188
.899	-4.020	4.04383	.93344	.93306	.93325	.03836	-.00224
.900	-1.964	3.90761	.93977	.95538	.94758	.03915	-.00300
.900	-.031	3.97311	.94072	.96190	.95131	.03806	.00079
.900	1.983	4.03618	.94041	.95514	.94778	.03721	-.00045
.900	4.014	4.03630	.93916	.93458	.93687	.03750	-.00144
.900	5.965	3.97094	.93685	.90346	.92015	.03729	-.00068
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R044) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.496 BETA = 4.000
PHI = .000

RUN NO. 295/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-5.979	3.98271	322.22000	2.49688	1280.88000	1633.10001	1.09310	110.00000	.00000	7.35000	146.24000
.599	-3.919	3.95656	321.61400	2.49363	1280.59000	1632.10001	1.09296	110.00000	.00000	5.75900	134.65000
.599	-1.989	3.96325	322.04000	2.49574	1280.49001	1632.50000	1.09306	110.00000	.00000	4.64300	116.62000
.599	-1.001	3.96740	321.79200	2.49438	1280.89000	1632.60001	1.09297	110.10000	.00000	4.30700	104.19000
.599	-.022	3.99525	322.32300	2.49679	1281.58000	1633.89999	1.09307	110.20000	.00000	4.21200	90.42000
.599	.980	4.00182	321.64400	2.49396	1281.89000	1633.39999	1.09285	110.20000	.00000	4.33300	76.42000
.600	1.987	4.00743	322.58900	2.49831	1281.97000	1634.60001	1.09312	110.20000	.00000	4.67800	63.84000
.599	4.041	4.04815	322.01200	2.49651	1282.98000	1634.89999	1.09288	110.20000	.00000	5.90100	45.26000
.599	6.042	4.04062	322.62400	2.49856	1283.46001	1636.10001	1.09304	110.40000	.00000	7.42600	33.95000
	GRADIENT	.01174	.06027	.00036	.32446	.38791	-.00001	.03098	.00000	.01942	-11.74995

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R044) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.496 BETA = 4.000
PHI = .000

RUN NO. 295/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-5.979	3.98271	1.03245	.66045	.92490	.85568	.67159	-.26445	.18409	-.25959	.16937
.599	-3.919	3.95656	1.05498	.71217	.89113	.90252	.71721	-.17895	.18531	-.17367	.16944
.599	-1.989	3.96325	1.06405	.75890	.85286	.92791	.74338	-.09396	.18454	-.08919	.16718
.599	-1.001	3.96740	1.06615	.78161	.83183	.93441	.74993	-.05022	.18448	-.04629	.16780
.599	-.022	3.99525	1.06501	.80206	.81042	.93292	.75145	-.00836	.18148	-.00413	.16735
.599	.980	4.00182	1.06621	.82586	.79096	.92947	.75184	.03490	.17763	.03781	.16580
.600	1.987	4.00743	1.06130	.84532	.76948	.92258	.74572	.07584	.17686	.07834	.16125
.599	4.041	4.04815	1.05029	.88599	.72245	.88874	.71908	.16354	.16966	.16517	.16336
.599	6.042	4.04062	1.02679	.92037	.67382	.84310	.67707	.24656	.16604	.24787	.16056
	GRADIENT	.01174	-.00061	.02183	-.02113	-.00178	.00026	.04296	-.00204	.04248	-.00091

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R044) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.496 BETA = 4.000
PHI = .000

RUN NO. 295/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-5.979	3.98271	.79025	.77100	.78062	.04110	.00058
.599	-3.919	3.95656	.79901	.81780	.80840	.04292	-.00105
.599	-1.989	3.96325	.80349	.84432	.82391	.04376	.00012
.599	-1.001	3.96740	.80476	.85051	.82764	.04325	.00026
.599	-.022	3.99525	.80412	.84924	.82668	.04270	-.00066
.599	.980	4.00182	.80695	.84656	.82676	.04072	-.00363
.600	1.987	4.00743	.80615	.84196	.82405	.04074	-.00301
.599	4.041	4.04815	.80340	.80705	.80523	.04230	.00111
.599	6.042	4.04062	.79643	.76282	.77963	.04085	-.00266
	GRADIENT	.01174	.00059	-.00132	-.00036	-.00026	-.00003

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R045) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 453/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.014	6.00594	322.93600	2.50172	1282.16000	1635.20000	1.09322	109.90000	.00000	8.64000	134.87000
.599	-4.001	6.02803	321.88200	2.49663	1281.09000	1632.89999	1.09295	109.80000	.00000	7.39700	123.43000
.599	-1.988	6.05221	321.16400	2.49281	1279.71001	1630.70000	1.09284	109.70000	.00000	6.54900	108.10000
.600	.022	5.96985	321.83400	2.49471	1278.99001	1630.80000	1.09314	109.80000	.00000	6.15600	89.80000
.600	2.000	5.98689	322.54900	2.49844	1280.27000	1632.89999	1.09326	109.90000	.00000	6.49100	71.64000
.600	3.964	5.95368	323.09800	2.50212	1281.75999	1635.00000	1.09329	109.90000	.00000	7.31500	56.50000
.600	5.979	5.95783	323.12600	2.50210	1282.95000	1636.20000	1.09323	110.10000	.00000	8.58100	45.08000
	GRADIENT	-.01075	.19109	.00083	.09356	.31889	.00006	.02005	.00000	-.01210	-8.55098

RUN NO. 445/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.799	-6.020	6.03405	322.10900	1.99932	720.63600	1097.50000	1.16999	109.70000	.00000	8.65800	134.77000
.798	-4.007	6.02509	321.51800	1.99924	722.04700	1098.00000	1.16931	109.50000	.00000	7.39300	123.48000
.799	-1.982	6.01450	323.03400	2.00548	722.21300	1100.20000	1.17012	109.50000	.00000	6.50700	108.15000
.800	.028	5.97877	321.91600	1.99848	718.74400	1095.50000	1.17035	109.30000	.00000	6.16100	89.74000
.799	1.989	5.94286	322.25900	2.00037	720.63300	1097.70000	1.17007	109.60000	.00000	6.44200	71.60000
.799	3.994	6.00023	321.50200	1.99743	719.35200	1095.50000	1.16997	109.30000	.00000	7.36500	56.50000
.802	5.955	5.95743	324.09800	2.00756	719.99400	1099.60001	1.17127	109.50000	.00000	8.55800	45.18000
	GRADIENT	-.00608	-.04000	-.00044	-.35011	-.37600	.00007	-.01515	.00000	-.00672	-8.53618

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R045) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 486/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.022	6.03528	349.88200	2.00089	617.23500	1043.80000	1.21917	110.40000	.00000	8.63900	134.78000
.900	-3.996	6.02945	349.82200	2.00071	617.33600	1043.80000	1.21909	110.50000	.00000	7.37300	123.40000
.900	-1.988	6.01280	349.05400	1.99579	615.85400	1041.39999	1.21914	110.50000	.00000	6.49200	108.20000
.900	.026	5.99372	349.01600	1.99523	615.45600	1041.00000	1.21927	110.50000	.00000	6.16100	89.74000
.901	2.012	5.98024	351.86600	2.01080	619.78900	1048.89999	1.21953	110.50000	.00000	6.46900	71.48000
.900	3.973	5.94791	350.50100	2.00383	618.61900	1045.89999	1.21906	110.60000	.00000	7.29500	56.38000
.900	5.996	5.97943	349.71400	1.99948	616.93900	1043.30000	1.21917	110.50000	.00000	8.58400	45.07000
	GRADIENT	-.00981	.20900	.00110	.32516	.58582	.00002	.00998	.00000	-.00987	-8.56435

RUN NO. 434/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.099	-6.021	6.04370	371.60300	1.89861	439.54500	937.30000	1.33685	109.80000	.00000	8.61300	134.76000
1.100	-4.016	6.04745	372.07100	1.90084	439.53800	938.10000	1.33728	109.70000	.00000	7.37100	123.48000
1.099	-1.976	5.99970	372.76700	1.90478	440.72100	940.10000	1.33701	109.70000	.00000	6.45100	108.16000
1.100	.029	6.00679	370.96900	1.89471	437.76400	935.00000	1.33764	109.70000	.00000	6.15000	89.73000
1.100	1.999	5.95397	372.46200	1.90136	439.43300	938.70000	1.33771	109.90000	.00000	6.41600	71.52000
1.101	3.977	5.97107	372.54100	1.90145	439.23300	938.70000	1.33794	109.90000	.00000	7.28700	56.46000
1.101	5.952	5.97598	371.64800	1.89784	438.25200	936.50000	1.33788	109.70000	.00000	8.51800	45.26000
	GRADIENT	-.00996	.03118	-.00011	-.09559	-.01144	.00010	.02997	.00000	-.01137	-8.54971

RUN NO. 364/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.249	-6.022	6.02200	404.43900	1.95142	370.19600	958.00000	1.42295	110.40000	.00000	8.59500	134.85000
1.249	-4.000	6.01989	404.67100	1.95153	370.29200	958.50000	1.42305	110.60000	.00000	7.33700	123.48000
1.250	-1.990	6.05512	404.69300	1.95286	370.19300	958.50000	1.42315	110.30000	.00000	6.50500	108.11000
1.250	.014	5.95848	405.01900	1.95314	370.09100	959.10000	1.42351	110.50000	.00000	6.10000	89.86000
1.250	1.993	5.98104	404.97600	1.95317	370.28900	959.10000	1.42330	110.50000	.00000	6.43700	71.64000
1.251	3.966	5.93480	405.24400	1.95392	369.99000	959.50000	1.42377	110.50000	.00000	7.24900	56.36000
1.249	6.050	6.02578	404.75800	1.95261	370.58800	958.80000	1.42286	110.50000	.00000	8.61600	45.03000
	GRADIENT	-.01226	.07175	.00026	-.02551	.13054	.00008	-.00006	.00000	-.01298	-8.57139

RUN NO. 420/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-6.020	6.02652	428.93800	1.99995	312.71500	994.90000	1.49354	109.70000	.00000	8.58800	134.83000
1.400	-3.992	6.01606	429.97200	2.00527	313.49700	997.30000	1.49351	109.60000	.00000	7.32100	123.45000
1.399	-1.990	6.03920	430.48500	2.00783	314.08600	998.50000	1.49331	109.60000	.00000	6.48200	108.15000
1.400	.028	5.97856	430.48700	2.00776	313.98700	998.50000	1.49340	109.60000	.00000	6.11200	89.71000
1.400	2.004	5.96861	430.27200	2.00766	313.79100	998.00000	1.49344	109.40000	.00000	6.42100	71.48000
1.399	3.978	5.96283	430.22500	2.00716	313.98900	997.90000	1.49322	109.50000	.00000	7.27000	56.37000
1.399	5.953	5.94239	430.13900	2.00626	313.89100	997.70000	1.49325	109.60000	.00000	8.48300	45.06000
	GRADIENT	-.00889	.01491	.00018	.03467	.03560	-.00002	-.02005	.00000	-.00891	-8.56949

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R045) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 373/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-6.010	6.02410	432.75400	1.99758	294.06700	1004.50000	1.51365	110.50000	.00000	8.57800	134.81000
1.450	-4.008	6.03149	432.87800	1.99683	294.06500	1004.80000	1.51374	110.80000	.00000	7.34200	123.50000
1.450	-2.000	6.05384	432.62400	1.99697	293.96900	1004.20000	1.51366	110.50000	.00000	6.49900	108.23000
1.450	.023	5.99237	432.54100	1.99616	293.97000	1004.00000	1.51360	110.60000	.00000	6.12600	89.79000
1.449	2.008	5.96693	432.68100	1.99695	294.26600	1004.30000	1.51342	110.60000	.00000	6.42100	71.47000
1.450	3.955	5.92801	432.57700	1.99671	293.87000	1004.10000	1.51373	110.50000	.00000	7.23000	56.41000
1.450	5.998	5.98764	432.75400	1.99664	294.06700	1004.50000	1.51365	110.70000	.00000	8.54600	45.09000
	GRADIENT	-.01473	-.02744	.00000	-.00450	-.06549	-.00001	-.02509	.00000	-.01631	-8.57628

RUN NO. 410/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.010	6.03153	435.12700	1.99644	276.27000	1014.20000	1.53224	110.30000	.00000	8.58400	134.77000
1.499	-4.021	6.02999	435.75300	1.99850	276.85900	1015.60000	1.53205	110.50000	.00000	7.34800	123.59000
1.499	-1.980	6.02794	436.24900	2.00276	277.35000	1016.70000	1.53188	110.10000	.00000	6.46800	108.12000
1.501	.023	5.98536	435.56100	1.99779	276.26400	1015.30000	1.53251	110.40000	.00000	6.11900	89.79000
1.499	1.991	5.98423	434.92700	1.99672	276.57100	1013.60000	1.53182	110.10000	.00000	6.43100	71.66000
1.500	4.005	5.96879	436.10800	2.00045	276.85400	1016.50000	1.53228	110.40000	.00000	7.28900	56.23000
1.499	6.032	6.03063	435.31900	1.99668	276.86400	1014.50000	1.53178	110.50000	.00000	8.59800	45.11000
	GRADIENT	-.00830	-.03013	-.00010	-.03935	-.06384	.00002	-.01007	.00000	-.00840	-8.54747

RUN NO. 390/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.549	-6.006	6.01754	438.15800	2.00150	260.76800	1028.60001	1.54917	110.10000	.00000	8.57100	134.82000
1.550	-4.001	5.99862	438.06100	2.00188	260.46900	1028.50000	1.54940	109.90000	.00000	7.31100	123.62000
1.550	-1.982	6.05304	438.36200	2.00138	260.66500	1029.20000	1.54939	110.30000	.00000	6.49200	108.08000
1.550	.005	5.97133	438.32500	2.00169	260.66600	1029.10001	1.54936	110.20000	.00000	6.10500	89.91000
1.549	1.991	5.95241	438.32700	2.00180	260.86500	1029.00000	1.54917	110.20000	.00000	6.40200	71.57000
1.550	3.972	5.94988	438.56900	2.00231	260.76200	1029.70000	1.54941	110.30000	.00000	7.25600	56.35000
1.551	6.065	5.99930	438.13200	2.00209	260.26800	1028.80000	1.54965	109.90000	.00000	8.59900	44.81000
	GRADIENT	-.00992	.04930	.00006	.03952	.11055	-.00001	.03526	.00000	-.01057	-8.58567

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R045) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 453/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.600	-6.014	6.00594	1.01866	.61619	.87335	.87904	.62050	-.25716	.25854	-.25747	.25903
.599	-4.001	6.02803	1.04379	.66665	.83736	.91933	.66327	-.17071	.25606	-.17174	.25717
.599	-1.988	6.05221	1.05666	.71277	.79904	.94336	.68807	-.08627	.25529	-.08700	.25570
.600	.022	5.96985	1.06122	.76170	.76005	.94581	.70005	.00165	.24576	.00029	.24659
.600	2.000	5.98689	1.05750	.80513	.71946	.93646	.69259	.08567	.24386	.08391	.24447
.600	3.964	5.95368	1.04494	.84558	.67589	.91035	.66908	.16969	.24126	.16761	.24237
.600	5.979	5.95783	1.02065	.88181	.62995	.87040	.62866	.25186	.24175	.24951	.24221
	GRADIENT	-.01075	.00017	.02261	-.02021	-.00122	.00084	.04281	-.00206	.04266	-.00205

RUN NO. 445/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.799	-6.020	6.03405	1.10615	.70951	.95288	.95717	.71291	-.24337	.24426	-.24298	.24613
.798	-4.007	6.02509	1.12519	.75514	.91775	.98882	.74951	-.16261	.23931	-.16259	.24046
.799	-1.982	6.01450	1.13924	.80329	.88346	1.01113	.77600	-.08017	.23510	-.08081	.23615
.800	.028	5.97877	1.14124	.84480	.84457	1.01396	.78358	.00023	.23038	-.00037	.23166
.799	1.989	5.94286	1.13850	.88623	.80751	1.00461	.77824	.07872	.22637	.07799	.22773
.799	3.994	6.00023	1.12923	.92501	.76716	.98574	.75793	.15785	.22782	.15672	.22971
.802	5.955	5.95743	1.10716	.95689	.72339	.94877	.72166	.23350	.22711	.23278	.22801
	GRADIENT	-.00608	.00038	.02117	-.01888	-.00062	.00097	.04005	-.00159	.03993	-.00150

RUN NO. 486/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-6.022	6.03528	1.16465	.77640	1.01120	1.01567	.77893	-.23480	.23674	-.23395	.23460
.900	-3.996	6.02945	1.18351	.82129	.97753	1.04667	.81528	-.15625	.23139	-.15563	.22978
.900	-1.988	6.01280	1.19291	.86284	.94183	1.06424	.83536	-.07899	.22888	-.07864	.22665
.900	.026	5.99372	1.19619	.90493	.90542	1.06760	.84449	-.00049	.22311	-.00064	.22087
.901	2.012	5.98024	1.19428	.94564	.87004	1.06030	.83993	.07560	.22038	.07529	.21824
.900	3.973	5.94791	1.18284	.98152	.83185	1.03926	.82119	.14968	.21807	.14881	.21603
.900	5.996	5.97943	1.16415	1.01551	.79065	1.00824	.78792	.22486	.22031	.22380	.21807
	GRADIENT	-.00981	.00001	.02023	-.01821	-.00092	.00084	.03844	-.00176	.03826	-.00180

RUN NO. 434/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.099	-6.021	6.04370	1.28627	.93353	1.14220	1.14523	.93598	-.20867	.20925	-.20925	.21165
1.100	-4.016	6.04745	1.30199	.97288	1.11235	1.17281	.96631	-.13947	.20649	-.14020	.20828
1.099	-1.976	5.99970	1.31318	1.01337	1.08242	1.18939	.98801	-.06906	.20139	-.07015	.20334
1.100	.029	6.00679	1.31496	1.04915	1.04831	1.19308	.99391	.00084	.19917	.00016	.20109
1.100	1.999	5.95397	1.31447	1.08610	1.01749	1.18620	.99137	.06861	.19483	.06755	.19679
1.101	3.977	5.97107	1.30456	1.11891	.98317	1.16769	.97383	.13574	.19386	.13462	.19529
1.101	5.952	5.97598	1.28882	1.14809	.94740	1.14068	.94582	.20069	.19485	.20039	.19631
	GRADIENT	-.00996	.00033	.01828	-.01619	-.00065	.00095	.03447	-.00160	.03443	-.00163

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R045) (13 FEB 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 364/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.249	-6.022	6.02200	1.37808	1.00139	1.21855	1.22402	1.00434	-.21716	.21968	-.21584	.21913
1.249	-4.000	6.01989	1.39185	1.04083	1.18457	1.25065	1.03406	-.14371	.21658	-.14282	.21646
1.250	-1.990	6.05512	1.40019	1.08016	1.14920	1.26625	1.05164	-.06904	.21461	-.06802	.21399
1.250	.014	5.95848	1.40497	1.12219	1.11814	1.26792	1.06051	.00405	.20741	.00371	.20653
1.250	1.993	5.98104	1.40217	1.15851	1.08500	1.25889	1.05543	.07351	.20345	.07309	.20275
1.251	3.966	5.93480	1.39557	1.19392	1.05238	1.24083	1.04164	.14154	.19919	.14115	.19871
1.249	6.050	6.02578	1.37769	1.22553	1.01008	1.21255	1.01012	.21545	.20243	.21498	.20127
	GRADIENT	-.01226	.00048	.01931	-.01650	-.00134	.00097	.03581	-.00231	.03560	-.00235

RUN NO. 420/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.400	-6.020	6.02652	1.45952	1.01791	1.26348	1.25897	1.02192	-.24557	.23704	-.24607	.23911
1.400	-3.992	6.01606	1.47360	1.06054	1.22473	1.28442	1.05099	-.16419	.23343	-.16430	.23470
1.399	-1.990	6.03920	1.47957	1.10176	1.18697	1.29783	1.06973	-.08521	.22813	-.08548	.22921
1.400	.028	5.97856	1.48084	1.14337	1.14811	1.30080	1.07759	-.00474	.22321	-.00495	.22464
1.400	2.004	5.96861	1.48007	1.18346	1.11232	1.29618	1.07429	.07114	.22188	.07013	.22275
1.399	3.978	5.96283	1.47340	1.22187	1.07420	1.28222	1.05890	.14767	.22332	.14681	.22457
1.399	5.953	5.94239	1.46063	1.26017	1.03510	1.25888	1.03252	.22507	.22635	.22407	.22766
	GRADIENT	-.00689	.00001	.02028	-.01885	-.00029	.00104	.03913	-.00133	.03902	-.00134

RUN NO. 373/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.450	-6.010	6.02410	1.47224	1.00085	1.26369	1.24144	1.00686	-.26284	.23459	-.26250	.23418
1.450	-4.008	6.03149	1.48437	1.03986	1.22364	1.26872	1.03467	-.18378	.23404	-.18310	.23380
1.450	-2.000	6.05384	1.49076	1.07916	1.18256	1.28641	1.05028	-.10340	.23613	-.10300	.23556
1.450	.023	5.99237	1.49530	1.12120	1.14181	1.29546	1.05915	-.02061	.23631	-.02038	.23566
1.449	2.008	5.96693	1.49078	1.16142	1.10092	1.29170	1.05480	.06050	.23690	.06003	.23631
1.450	3.955	5.92801	1.48454	1.20184	1.06292	1.27880	1.04236	.13892	.23644	.13812	.23632
1.450	5.998	5.98764	1.47097	1.24191	1.02050	1.25861	1.01531	.22141	.24330	.22089	.24292
	GRADIENT	-.01473	.00003	.02038	-.02022	.00130	.00102	.04060	.00028	.04041	.00029

RUN NO. 410/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.500	-6.010	6.03153	1.50141	.97123	1.24658	1.23277	.97695	-.27535	.25582	-.27586	.25693
1.499	-4.021	6.02999	1.50962	1.00891	1.20000	1.25202	.99929	-.19110	.25273	-.19124	.25412
1.499	-1.980	6.02794	1.51785	1.04719	1.15224	1.26246	1.01055	-.10504	.25191	-.10522	.25285
1.501	.023	5.98536	1.51598	1.08870	1.10587	1.26296	1.01589	-.01717	.24707	-.01753	.24836
1.499	1.991	5.98423	1.51712	1.13791	1.06921	1.26729	1.01736	.06870	.24993	.06807	.25101
1.500	4.005	5.96879	1.50777	1.18196	1.02447	1.25184	1.00247	.15748	.24937	.15623	.25075
1.499	6.032	6.03063	1.49865	1.23727	.99245	1.24223	.98809	.24482	.25414	.24352	.25552
	GRADIENT	-.00830	-.00022	.02181	-.02168	.00023	.00066	.04349	-.00044	.04336	-.00043

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R045) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 390/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.549	-6.006	6.01754	1.54900	.74966	1.07083	1.06913	.75275	-.32117	.31637	-.32142	.31641
1.550	-4.001	5.99862	1.55144	.74209	.95424	1.01659	.70829	-.21134	.30830	-.21178	.30853
1.550	-1.982	6.05304	1.55290	.78783	.88759	1.01011	.70970	-.09975	.30042	-.10011	.30088
1.550	.005	5.97133	1.55051	.82043	.80814	.97462	.69962	.01229	.27499	.01145	.27545
1.549	1.991	5.95241	1.55155	.89167	.77956	.98992	.71100	.11211	.27891	.11180	.27896
1.550	3.972	5.94988	1.54924	.96755	.75470	1.00592	.72169	.21284	.28423	.21234	.28422
1.551	6.065	5.99930	1.54530	1.08395	.77071	1.05471	.76701	.31324	.28770	.31227	.28797
	GRADIENT	-.00992	-.00029	.02776	-.02547	-.00209	.00141	.05323	-.00350	.05323	-.00355

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R045) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 453/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.600	-6.014	6.00594	.74492	.74953	.74723	.04283	-.00132
.599	-4.001	6.02803	.75252	.79075	.77164	.04209	-.00014
.599	-1.988	6.05221	.75627	.81551	.78589	.04289	-.00310
.600	.022	5.96985	.76155	.82251	.79203	.04293	-.00327
.600	2.000	5.98689	.76318	.81423	.78870	.04248	-.00060
.600	3.964	5.95368	.76177	.78916	.77547	.04181	-.00079
.600	5.979	5.95783	.75706	.74930	.75318	.04007	.00027
	GRADIENT	-.01075	.00128	-.00020	.00054	-.00005	.00006

RUN NO. 445/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.799	-6.020	6.03405	.83100	.83411	.83255	.03978	-.00299
.798	-4.007	6.02509	.83644	.86859	.85251	.04023	-.00246
.799	-1.982	6.01450	.84369	.89303	.86836	.04024	-.00200
.800	.028	5.97877	.84499	.89813	.87156	.04001	-.00262
.799	1.989	5.94286	.84723	.89074	.86899	.03969	-.00026
.799	3.994	6.00023	.84665	.87089	.85877	.03893	.00053
.802	5.955	5.95743	.84050	.83477	.83763	.03871	-.00157
	GRADIENT	-.00608	.00120	.00013	.00067	-.00016	.00039

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R045) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 486/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-6.022	6.03528	.89337	.89837	.89587	.03880	-.00272
.900	-3.996	6.02945	.89910	.93178	.91544	.03843	-.00168
.900	-1.988	6.01280	.90216	.95091	.92654	.03853	-.00234
.900	.026	5.99372	.90525	.95717	.93121	.03863	-.00225
.901	2.012	5.98024	.90800	.95118	.92959	.03783	-.00123
.900	3.973	5.94791	.90712	.93125	.91918	.03721	-.00020
.900	5.996	5.97943	.90361	.89921	.90141	.03701	.00161
	GRADIENT	-.00981	.00110	-.00002	.00054	-.00016	.00020

RUN NO. 434/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.099	-6.021	6.04370	1.03815	1.03941	1.03878	.03454	-.00136
1.100	-4.016	6.04745	1.04298	1.06867	1.05582	.03424	-.00231
1.099	-1.976	5.99970	1.04844	1.08772	1.06808	.03480	-.00167
1.100	.029	6.00679	1.04907	1.09253	1.07080	.03475	-.00161
1.100	1.999	5.95397	1.05232	1.08780	1.07006	.03400	-.00183
1.101	3.977	5.97107	1.05160	1.07004	1.06082	.03363	.00009
1.101	5.952	5.97598	1.04789	1.04253	1.04521	.03313	.00073
	GRADIENT	-.00996	.00106	.00017	.00061	-.00010	.00023

RUN NO. 364/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.249	-6.022	6.02200	1.10931	1.11445	1.11188	.03572	-.00156
1.249	-4.000	6.01989	1.11227	1.14242	1.12734	.03688	-.00083
1.250	-1.990	6.05512	1.11417	1.15925	1.13671	.03670	-.00276
1.250	.014	5.95848	1.12033	1.16465	1.14249	.03531	-.00302
1.250	1.993	5.98104	1.12196	1.15751	1.13974	.03462	-.00204
1.251	3.966	5.93480	1.12334	1.14147	1.13241	.03484	-.00069
1.249	6.050	6.02578	1.11804	1.11192	1.11498	.03573	.00219
	GRADIENT	-.01226	.00150	-.00017	.00067	-.00031	.00005

RUN NO. 420/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.400	-6.020	6.02652	1.14095	1.13941	1.14018	.04066	-.00201
1.400	-3.992	6.01606	1.14269	1.16707	1.15488	.03964	-.00251
1.399	-1.990	6.03920	1.14450	1.18325	1.16388	.03981	-.00269
1.400	.028	5.97856	1.14584	1.18848	1.16716	.03894	-.00175
1.400	2.004	5.96861	1.14840	1.18480	1.16660	.03810	.00005
1.399	3.978	5.96283	1.14847	1.16994	1.15920	.03918	.00144
1.399	5.953	5.94239	1.14814	1.14505	1.14659	.03911	.00163
	GRADIENT	-.00889	.00078	.00038	.00058	-.00013	.00053

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R045) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 373/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.450	-6.010	6.02410	1.13210	1.12435	1.12822	.03967	-.00055
1.450	-4.008	6.03149	1.13141	1.15182	1.14162	.03965	.00052
1.450	-2.000	6.05384	1.13066	1.16863	1.14964	.04042	.00052
1.450	.023	5.99237	1.13139	1.17763	1.15451	.04086	.00020
1.449	2.008	5.96693	1.13140	1.17354	1.15247	.04019	-.00015
1.450	3.955	5.92801	1.13278	1.16064	1.14671	.04025	.00139
1.450	5.998	5.98764	1.13147	1.13715	1.13431	.04063	.00415
	GRADIENT	-.01473	.00017	.00115	.00066	.00005	.00005

RUN NO. 410/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.500	-6.010	6.03153	1.10916	1.10430	1.10673	.04279	-.00182
1.499	-4.021	6.02999	1.10453	1.12496	1.11474	.04208	-.00060
1.499	-1.980	6.02794	1.09980	1.13604	1.11792	.04297	-.00191
1.501	.023	5.98536	1.09747	1.13878	1.11812	.04382	-.00039
1.499	1.991	5.98423	1.10388	1.14178	1.12283	.04361	.00086
1.500	4.005	5.96879	1.10385	1.12647	1.11516	.04350	.00064
1.499	6.032	6.03063	1.11551	1.11447	1.11499	.04285	.00321
	GRADIENT	-.00830	.00013	.00044	.00029	.00017	.00026

RUN NO. 390/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.549	-6.006	6.01754	.91036	.91092	.91064	.05467	-.00490
1.550	-4.001	5.99862	.84878	.86233	.85556	.05466	-.00200
1.550	-1.982	6.05304	.83789	.85967	.84878	.05663	-.01027
1.550	.005	5.97133	.81470	.83689	.82580	.05329	-.00686
1.549	1.991	5.95241	.83577	.85044	.84311	.05021	.00460
1.550	3.972	5.94988	.86138	.86381	.86259	.04967	.00173
1.551	6.065	5.99930	.92782	.91073	.91927	.04679	.00182
	GRADIENT	-.00992	.00114	-.00032	.00041	-.00082	.00112

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R046) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.277 BETA = 6.000
PHI = .000

RUN NO. 301/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.598	-5.967	6.03897	321.69500	2.49596	1284.08000	1635.60001	1.09271	110.20000	.00000	8.63400	134.49000
.598	-3.981	5.99450	320.91600	2.49273	1283.80000	1634.39999	1.09250	110.10000	.00000	7.36200	123.46000
.599	-1.981	5.97757	322.02100	2.49855	1283.38000	1635.30000	1.09285	109.90000	.00000	6.48000	108.27000
.598	-.991	5.99815	321.25200	2.49348	1283.49001	1634.50000	1.09263	110.20000	.00000	6.26600	99.36000
.597	-.001	5.98862	320.83300	2.49190	1283.89999	1634.39999	1.09244	110.20000	.00000	6.17700	90.04000
.599	1.012	6.02688	322.02600	2.49706	1283.58000	1635.50000	1.09283	110.20000	.00000	6.29700	80.56000
.600	2.003	5.99598	322.97100	2.50197	1283.64999	1636.70000	1.09313	110.10000	.00000	6.50300	71.66000
.598	4.011	6.02501	321.69000	2.49578	1283.88000	1635.39999	1.09273	110.20000	.00000	7.40100	56.53000
.598	6.029	6.01405	321.26400	2.49449	1283.99001	1635.00000	1.09259	110.10000	.00000	8.65700	45.13000
	GRADIENT	.00448	.13771	.00054	.02260	.18609	.00004	.01904	.00000	.00582	-8.57725

RUN NO. 322/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.969	6.01753	349.28200	1.99687	616.04900	1041.89993	1.21922	110.50000	.00000	8.59100	134.64000
.900	-3.999	6.00653	349.09200	1.99635	616.25300	1041.80000	1.21901	110.50000	.00000	7.35500	123.55000
.901	-1.975	5.96194	349.53100	1.99843	615.74500	1042.00000	1.21951	110.30000	.00000	6.43900	108.27000
.899	-.001	5.96647	348.89300	1.99613	616.35700	1041.60001	1.21883	110.40000	.00000	6.13200	90.03000
.900	2.014	6.05043	349.11400	1.99592	615.75300	1041.39999	1.21922	110.50000	.00000	6.53300	71.69000
.899	3.988	6.00092	348.72500	1.99517	616.06100	1041.10001	1.21884	110.40000	.00000	7.34300	56.53000
.899	6.049	6.02987	348.65600	1.99445	616.06200	1041.00000	1.21879	110.50000	.00000	8.65300	45.06000
	GRADIENT	.00387	-.05736	-.00024	-.01916	-.10003	-.00003	-.00004	.00000	.00309	-8.54702

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R046) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.277 BETA = 6.000
PHI = .000

RUN NO. 301/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.598	-5.967	6.03897	.99833	.61680	.87954	.87970	.62316	-.26274	.25654	-.25757	.25830
.598	-3.981	5.99450	1.02510	.66788	.84690	.92105	.66710	-.17903	.25395	-.17498	.25604
.599	-1.981	5.97757	1.03381	.71231	.80540	.94085	.69041	-.09309	.25044	-.08928	.25210
.598	-.991	5.99815	1.04154	.73869	.78839	.95056	.70044	-.04970	.25012	-.04631	.25130
.597	-.001	5.98862	1.04302	.76184	.76766	.95262	.70376	-.00582	.24886	-.00225	.25039
.599	1.012	6.02688	1.03694	.78052	.74267	.94621	.69824	.03785	.24797	.04017	.24982
.600	2.003	5.99598	1.03127	.79967	.72136	.93618	.69143	.07831	.24475	.08028	.24649
.598	4.011	6.02501	1.02011	.84185	.67712	.91450	.66784	.16473	.24667	.16592	.24874
.598	6.029	6.01405	.99577	.88108	.63033	.87320	.62639	.25076	.24681	.25138	.24851
	GRADIENT	.00448	-.00071	.02175	-.02129	-.00096	.00006	.04305	-.00102	.04266	-.00100

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R046) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.277 BETA = 6.000
PHI = .000

RUN NO. 322/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-5.969	6.01753	1.13619	.77689	1.01757	1.01494	.78201	-.24068	.23294	-.23474	.23549
.900	-3.999	6.00653	1.15449	.81963	.98440	1.04572	.81661	-.16471	.22911	-.15931	.23138
.901	-1.975	5.96194	1.16571	.86465	.94873	1.06434	.83951	-.08409	.22483	-.07927	.22687
.899	-.001	5.96647	1.16861	.90444	.91112	1.06991	.84719	-.00668	.22271	-.00207	.22486
.900	2.014	6.05043	1.16418	.94223	.87256	1.06324	.84022	.06967	.22302	.07276	.22552
.899	3.988	6.00092	1.15304	.97917	.83223	1.04184	.82074	.14695	.22110	.14945	.22386
.899	6.049	6.02987	1.13344	1.01333	.79005	1.00916	.78680	.22328	.22236	.22514	.22485
	GRADIENT	.00387	-.00022	.01987	-.01906	-.00043	.00046	.03893	-.00089	.03855	-.00082

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R046) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.277 BETA = 6.000
PHI = .000

RUN NO. 301/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.598	-5.967	6.03397	.74559	.75055	.74807	.04125	-.00079
.598	-3.981	5.99450	.75537	.79303	.77420	.04227	-.00184
.599	-1.981	5.97757	.75695	.81480	.78588	.04300	-.00118
.598	-.991	5.99815	.76184	.82491	.79338	.04425	-.00092
.597	-.001	5.98862	.76297	.82743	.79520	.04360	-.00031
.599	1.012	6.02688	.76044	.82130	.79087	.04059	-.00231
.600	2.003	5.99598	.75953	.81294	.78623	.04110	-.00230
.598	4.011	6.02501	.75889	.79013	.77451	.04297	.00157
.598	6.029	6.01405	.75540	.74895	.75217	.04202	-.00096
	GRADIENT	.00448	.00042	-.00046	-.00002	-.00011	.00024

RUN NO. 322/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-5.969	6.01753	.89426	.89719	.89572	.03796	-.00200
.900	-3.999	6.00653	.89934	.93003	.91469	.03892	-.00227
.901	-1.975	5.96194	.90428	.95090	.92759	.03983	-.00187
.899	-.001	5.96647	.90548	.95748	.93148	.03774	.00001
.900	2.014	6.05043	.90585	.95048	.92816	.03802	-.00028
.899	3.988	6.00092	.90445	.92991	.91718	.03820	-.00045
.899	6.049	6.02987	.90076	.89674	.89875	.03598	.00094
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R047) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.496 BETA = 6.000
PHI = .000

RUN NO. 296/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.598	-5.962	6.02389	321.15000	2.49357	1282.80000	1633.70000	1.09264	110.00000	.00000	8.62300	134.53000
.599	-3.950	5.96983	322.52400	2.49930	1282.87000	1635.39999	1.09303	110.10000	.00000	7.32800	123.36000
.598	-1.981	5.96267	321.06200	2.49253	1282.70000	1633.50000	1.09262	110.10000	.00000	6.46900	108.32000
.599	-1.000	6.03432	321.82700	2.49575	1282.38000	1634.10001	1.09289	110.10000	.00000	6.30600	99.40000
.599	-.005	5.95522	322.51200	2.49996	1282.37000	1634.89999	1.09308	109.90000	.00000	6.14700	90.10000
.599	.996	6.03276	322.51000	2.49987	1282.27000	1634.80000	1.09308	109.90000	.00000	6.30300	80.73000
.599	2.004	5.98719	321.99800	2.49820	1282.38000	1634.30000	1.09293	109.80000	.00000	6.49700	71.65000
.598	4.022	6.03719	320.80700	2.49202	1282.81000	1633.30000	1.09253	110.00000	.00000	7.41900	56.53000
.598	6.021	5.99193	321.24100	2.49414	1283.00000	1634.00000	1.09264	110.00000	.00000	8.63700	45.08000
	GRADIENT	.00757	-.10372	-.00033	-.02309	-.14600	-.00003	-.02857	.00000	.01124	-8.58519

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R047) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.496 BETA = 6.000
PHI = .000

RUN NO. 296/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.598	-5.962	6.02389	1.00499	.61836	.88337	.88667	.62416	-.26501	.26250	-.25964	.26089
.599	-3.950	5.96983	1.02609	.66859	.84616	.92122	.66730	-.17756	.25392	-.17330	.25315
.598	-1.981	5.96267	1.04371	.71847	.81140	.94869	.69597	-.09294	.25272	-.08867	.25226
.599	-1.000	6.03432	1.04286	.73698	.78757	.95214	.69936	-.05060	.25278	-.04679	.25405
.599	-.005	5.95522	1.04198	.75967	.76643	.94918	.70191	-.00677	.24727	-.00278	.24863
.599	.996	6.03276	1.03984	.77951	.74355	.94890	.69793	.03597	.25097	.03860	.25141
.599	2.004	5.98719	1.03917	.80440	.72472	.94331	.69444	.07968	.24887	.08200	.24804
.598	4.022	6.03719	1.02772	.84551	.68102	.92106	.67118	.16448	.24989	.16617	.24988
.598	6.021	5.99193	1.00156	.88184	.63318	.87864	.62957	.24866	.24907	.24982	.24814
	GRADIENT	.00757	-.00015	.02203	-.02098	-.00038	.00023	.04301	-.00061	.04264	-.00058

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R047) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.496 BETA = 6.000
PHI = .000

RUN NO. 296/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.598	-5.962	6.02389	.74818	.75622	.75220	.04279	-.00431
.599	-3.950	5.96983	.75524	.79464	.77494	.04313	-.00292
.598	-1.981	5.96267	.76280	.82256	.79268	.04235	.00312
.599	-1.000	6.03432	.76037	.82512	.79274	.04391	-.00310
.599	-.005	5.95522	.76106	.82486	.79296	.04274	-.00145
.599	.996	6.03276	.76021	.82320	.79171	.04184	.00079
.599	2.004	5.98719	.76340	.81929	.79134	.04308	-.00337
.598	4.022	6.03719	.76242	.79612	.77927	.04137	.00136
.598	6.021	5.99193	.75693	.75457	.75575	.04209	-.00199
	GRADIENT	.00757	.00071	-.00009	.00031	-.00018	.00019

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R048) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 297/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-3.993	-.00025	321.89600	2.49661	1281.69000	1633.50000	1.09293	109.90000	.00000	-3.70400	-.04000
.600	-2.002	-.00137	322.49900	2.49942	1281.77000	1634.30000	1.09312	109.90000	.00000	-1.73700	-.04000
.599	.014	-.00404	322.14600	2.49695	1281.38000	1633.50000	1.09304	110.00000	.00000	.25300	-.04000
.599	1.990	-.00377	322.32700	2.49808	1281.77000	1634.10001	1.09308	110.00000	.00000	2.20600	-.04000
.600	3.973	-.00512	322.57700	2.49841	1281.47000	1634.10001	1.09317	110.10000	.00000	4.16700	-.04000
	GRADIENT	-.00061	.05962	.00011	-.02219	.04996	.00002	.02510	.00000	.98797	-.00000

RUN NO. 438/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.799	-3.981	.00310	321.90300	1.99942	719.74200	1096.39999	1.17010	109.30000	.00000	-3.68500	-.02000
.798	-2.020	.00185	322.05700	2.00204	722.23500	1098.89999	1.16956	109.40000	.00000	-1.74800	-.02000
.800	.033	.00060	323.43500	2.00747	722.60400	1101.10001	1.17024	109.50000	.00000	.27800	-.02000
.802	1.968	-.00019	322.75400	2.00129	717.72700	1095.70000	1.17109	109.20000	.00000	2.18800	-.02000
.801	3.990	-.00014	324.26100	2.01167	722.58600	1102.20000	1.17071	109.30000	.00000	4.18400	-.01000
	GRADIENT	-.00043	.27269	.00120	.06169	.42522	.00014	-.00987	.00000	.98715	.00100

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R048) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 323/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-4.339	-.00173	349.66700	1.99878	616.44100	1042.80000	1.21933	110.50000	.00000	-4.03100	.05000
.899	-4.008	-.00159	348.70300	1.99515	616.56000	1041.50000	1.21863	110.50000	.00000	-3.70400	.05000
.901	-1.992	.00003	349.58200	1.99752	615.54400	1041.89999	1.21962	110.50000	.00000	-1.71600	.05000
.900	-.019	.00139	349.36100	1.99728	616.14700	1042.10001	1.21923	110.50000	.00000	.22800	.03000
.900	1.960	.00289	349.18000	1.99690	616.45100	1042.10001	1.21900	110.50000	.00000	2.17600	.03000
.899	4.010	.00384	349.07900	1.99692	616.85200	1042.30000	1.21877	110.50000	.00000	4.19700	.03000
	GRADIENT	.00069	-.01891	-.00003	.04511	.01153	-.00003	.00000	.00000	.98544	-.00293

RUN NO. 427/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.101	-3.999	.00128	372.34600	1.90191	439.13600	938.30000	1.33784	109.60000	.00000	-3.67900	.00000
1.100	-2.019	.00081	370.92900	1.89466	437.86400	935.00000	1.33753	109.70000	.00000	-1.73500	.00000
1.101	.025	.00032	373.55000	1.90769	440.21300	941.10000	1.33810	109.60000	.00000	.27200	.00000
1.099	1.990	-.00016	370.75000	1.89375	438.46300	935.10000	1.33690	109.90000	.00000	2.20100	-.01000
1.098	3.997	-.00090	371.73500	1.90030	440.23900	938.00000	1.33644	109.70000	.00000	4.17200	-.01000
	GRADIENT	-.00027	-.06823	-.00020	.14161	-.02094	-.00017	.01988	.00000	.98180	-.00150

RUN NO. 339/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.249	-3.931	.00872	403.48800	1.94404	369.21500	955.70000	1.42304	111.00000	.00000	-3.61300	.00000
1.250	-2.026	.00785	404.59800	1.94886	369.69900	958.10000	1.42351	111.00000	.00000	-1.74200	.00000
1.251	-.045	.00671	405.00400	1.95540	369.69500	958.90000	1.42384	109.90000	.00000	.20200	.00000
1.250	1.988	.00592	405.12800	1.95692	370.28800	959.40000	1.42342	109.80000	.00000	2.19600	.00000
1.249	3.970	.00552	404.54800	1.95520	370.39200	958.30000	1.42286	109.70000	.00000	4.14100	.00000
	GRADIENT	-.00042	.13237	.00153	.14851	.32532	-.00002	-.19171	.00000	.98137	.00000

RUN NO. 413/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-3.986	.00560	430.06000	2.00422	313.49600	997.50000	1.49357	109.90000	.00000	-3.66100	.00000
1.400	-2.018	.00466	429.58200	2.00072	313.30200	996.40000	1.49343	110.20000	.00000	-1.73100	-.01000
1.400	.015	.00337	429.67600	1.99993	313.00500	996.60000	1.49377	110.40000	.00000	.26200	-.01000
1.400	1.966	.00349	429.97400	2.00239	313.39800	997.30000	1.49360	110.20000	.00000	2.17600	.00000
1.400	4.003	.00262	430.10400	2.00346	313.49600	997.60000	1.49360	110.10000	.00000	4.17300	-.01000
	GRADIENT	-.00036	.02415	.00001	.00473	.05534	.00001	.02002	.00000	.98064	-.00050

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R048) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 366/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-4.001	-.00266	432.97700	2.00151	294.36200	1005.00000	1.51351	109.90000	.00000	-3.67700	.00000
1.450	-1.995	-.00315	433.01300	2.00112	294.26200	1005.10000	1.51364	110.00000	.00000	-1.71000	.00000
1.450	.005	-.00072	433.30400	2.00139	294.25900	1005.80000	1.51382	110.20000	.00000	.25200	-.01000
1.450	1.974	-.00225	433.31400	2.00157	294.45700	1005.80000	1.51365	110.20000	.00000	2.18300	-.01000
1.450	4.010	-.00159	433.22600	1.99974	294.35900	1005.60000	1.51368	110.50000	.00000	4.17900	-.01000
	GRADIENT	.00015	.03991	-.00016	.00937	.09491	.00002	.07011	.00000	.98066	-.00150

RUN NO. 403/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-3.980	.00115	435.11500	1.99679	276.17000	1014.20000	1.53232	110.20000	.00000	-3.65600	-.01000
1.499	-2.014	.00237	435.20300	1.99788	276.56700	1014.30000	1.53200	110.10000	.00000	-1.72800	-.01000
1.500	.015	.00106	435.47900	1.99857	276.56400	1015.00000	1.53217	110.20000	.00000	.26200	-.01000
1.500	1.985	.00176	435.15400	1.99649	276.17000	1014.30000	1.53234	110.30000	.00000	2.19400	-.01000
1.500	3.992	-.00131	435.20600	1.99537	276.26900	1014.40000	1.53228	110.60000	.00000	4.16200	-.01000
	GRADIENT	-.00028	.00677	-.00021	-.01001	.02051	.00001	.05020	.00000	.98062	-.00000

RUN NO. 382/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-3.979	-.00146	437.00300	1.99838	259.68600	1026.10001	1.54956	109.60000	.00000	-3.65600	.00000
1.551	-2.018	-.00015	438.24400	2.00256	260.26700	1029.10001	1.54971	109.90000	.00000	-1.73100	-.01000
1.551	-.024	.00128	437.32200	2.00120	259.78100	1026.89999	1.54964	109.30000	.00000	.22400	-.01000
1.550	1.950	-.00333	439.52900	2.01091	261.24700	1032.00000	1.54950	109.40000	.00000	2.16000	-.01000
1.549	4.007	-.00117	439.21300	2.00866	261.35200	1031.10001	1.54921	109.60000	.00000	4.17600	.00000
	GRADIENT	-.00013	.28545	.00145	.21616	.64523	-.00005	-.02492	.00000	.98072	.00001

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R048) (13 FEB 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 297/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-3.993	-.00025	1.07054	.75035	.92568	.80127	.80546	-.17532	-.00419	-.17113	-.00096
.600	-2.002	-.00137	1.07372	.79629	.88875	.82577	.83133	-.09247	-.00556	-.08851	-.00248
.599	.014	-.00404	1.07587	.84095	.84992	.83470	.84404	-.00897	-.00935	-.00570	-.00656
.599	1.990	-.00377	1.07286	.87964	.80844	.82394	.83775	.07120	-.01380	.07304	-.01054
.600	3.973	-.00512	1.06533	.91626	.76192	.79610	.81377	.15434	-.01767	.15613	-.01427
	GRADIENT	-.00061	-.00056	.02084	-.02047	-.00060	.00117	.04131	-.00177	.04096	-.00174

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (84R048) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 438/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.799	-3.981	.00310	1.16388	.82908	.99153	.87616	.88148	-.16244	-.00532	-.16290	-.00114
.798	-2.020	.00185	1.16379	.87013	.95444	.89536	.90213	-.08425	-.00678	-.08491	-.00324
.800	.033	.00060	1.16774	.91347	.91929	.90538	.91607	-.00582	-.01070	-.00651	-.00709
.802	1.968	-.00019	1.16129	.94520	.87899	.89273	.90786	.06621	-.01572	.06444	-.01157
.801	3.990	-.00014	1.15659	.98199	.83419	.86941	.88725	.14781	-.01784	.14588	-.01429
	GRADIENT	-.00043	-.00085	.01911	-.01957	-.00081	.00087	.03868	-.00168	.03848	-.00174

RUN NO. 323/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-4.339	-.00173	1.18583	.87977	1.05298	.92836	.93500	-.17321	-.00664	-.16875	-.00163
.899	-4.008	-.00159	1.18641	.88488	1.04714	.93205	.93832	-.16226	-.00627	-.15774	-.00145
.901	-1.992	.00003	1.19191	.92970	1.01529	.95578	.96410	-.08559	-.00831	-.08110	-.00333
.900	-.019	.00139	1.19239	.96821	.98003	.96354	.97363	-.01182	-.01009	-.00803	-.00531
.900	1.960	.00289	1.18930	1.00249	.94202	.95374	.96795	.06046	-.01421	.06273	-.00954
.899	4.010	.00384	1.18357	1.03813	.89911	.93159	.94864	.13902	-.01705	.14094	-.01197
	GRADIENT	.00069	-.00011	.01915	-.01824	.00112	.00240	.03739	-.00128	.03706	-.00128

RUN NO. 427/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.101	-3.999	.00128	1.32970	1.02905	1.17151	1.07087	1.07535	-.14245	-.00448	-.14262	-.00142
1.100	-2.019	.00081	1.33371	1.06830	1.14203	1.09029	1.09616	-.07373	-.00587	-.07444	-.00329
1.101	.025	.00032	1.33386	1.10359	1.10971	1.09662	1.10649	-.00612	-.00987	-.00696	-.00698
1.099	1.990	-.00016	1.33337	1.13546	1.07624	1.08935	1.10138	.05922	-.01203	.05764	-.00927
1.098	3.997	-.00090	1.32965	1.16709	1.03965	1.07068	1.08598	.12744	-.01530	.12586	-.01302
	GRADIENT	-.00027	-.00002	.01716	-.01647	-.00006	.00133	.03363	-.00139	.03345	-.00146

RUN NO. 339/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.249	-3.931	.00872	1.38089	1.09713	1.24511	1.14018	1.15217	-.14798	-.01200	-.14522	-.00632
1.250	-2.026	.00785	1.38398	1.13338	1.21511	1.15820	1.17103	-.08173	-.01283	-.07934	-.00735
1.251	-.045	.00671	1.38283	1.16696	1.18149	1.16289	1.17892	-.01453	-.01603	-.01228	-.01087
1.250	1.988	.00592	1.38334	1.20221	1.14785	1.15694	1.17700	.05436	-.02005	.05527	-.01525
1.249	3.970	.00552	1.38007	1.23642	1.11122	1.13882	1.16326	.12520	-.02444	.12560	-.01914
	GRADIENT	-.00042	-.00012	.01753	-.01691	-.00023	.00139	.03444	-.00162	.03413	-.00170

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R048) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 413/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.400	-3.986	.00560	1.49192	1.11545	1.28020	1.16681	1.17091	-.16474	-.00410	-.16558	-.00167
1.400	-2.018	.00466	1.49292	1.15603	1.24351	1.18434	1.19028	-.08745	-.00595	-.08819	-.00388
1.400	.015	.00337	1.48831	1.19139	1.20242	1.18597	1.19576	-.01103	-.00979	-.01194	-.00767
1.400	1.966	.00349	1.49114	1.22929	1.16838	1.18222	1.19538	.06091	-.01316	.05938	-.01073
1.400	4.003	.00262	1.49048	1.26752	1.12767	1.16438	1.18078	.13995	-.01640	.13813	-.01406
	GRADIENT	-.00036	-.00024	.01891	-.01905	-.00036	.00124	.03796	-.00159	.03782	-.00159

RUN NO. 366/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.450	-4.001	-.00266	1.50763	1.09125	1.26931	1.15438	1.14701	-.17805	.00737	-.17773	.00740
1.450	-1.995	-.00315	1.49751	1.12689	1.22285	1.16517	1.15874	-.09596	.00643	-.09593	.00624
1.450	.005	-.00072	1.50331	1.16602	1.18552	1.17150	1.16788	-.01950	.00362	-.01941	.00377
1.450	1.974	-.00225	1.50667	1.20775	1.14732	1.16834	1.16681	.06044	.00154	.05952	.00163
1.450	4.010	-.00159	1.50379	1.25289	1.10873	1.15543	1.15628	.14416	-.00088	.14347	-.00024
	GRADIENT	.00015	.00007	.02022	-.01984	.00026	.00133	.04006	-.00107	.03991	-.00100

RUN NO. 403/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.500	-3.980	.00115	1.52577	1.03594	1.23145	1.10056	1.10330	-.19551	-.00275	-.19592	-.00075
1.499	-2.014	.00237	1.52822	1.06277	1.17138	1.10076	1.10456	-.10861	-.00380	-.10914	-.00174
1.500	.015	.00106	1.52345	1.10947	1.12434	1.10714	1.11185	-.01487	-.00470	-.01534	-.00277
1.500	1.985	.00176	1.52268	1.16372	1.09214	1.11296	1.11960	.07159	-.00664	.07039	-.00481
1.500	3.992	-.00131	1.52271	1.21389	1.06064	1.10678	1.11610	.15325	-.00932	.15223	-.00767
	GRADIENT	-.00028	-.00059	.02291	-.02110	.00124	.00204	.04401	-.00080	.04391	-.00085

RUN NO. 382/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.550	-3.979	-.00146	1.55052	.73823	.92237	.78231	.82069	-.18414	-.03838	-.18438	-.03764
1.551	-2.018	-.00015	1.55961	.95525	1.02729	.96321	.99234	-.07205	-.02914	-.07235	-.02819
1.551	-.024	.00128	1.55992	1.04414	1.06106	1.02865	1.05966	-.01692	-.03101	-.01744	-.03020
1.550	1.950	-.00333	1.55426	1.06594	1.01570	1.01345	1.04692	.05025	-.03347	.04882	-.03283
1.549	4.007	-.00117	1.54971	.92432	.75084	.77938	.83800	.17348	-.05862	.17303	-.05759
	GRADIENT	-.00013	-.00036	.02396	-.01806	.00193	.00420	.04202	-.00227	.04195	-.00226

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R048) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 297/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-3.993	-.00025	.83592	.80175	.81883	.04148	-.00043
.600	-2.002	-.00137	.84054	.82701	.83378	.04152	-.00143
.599	.014	-.00404	.84380	.83798	.84089	.04014	-.00219
.599	1.990	-.00377	.84312	.82921	.83617	.04064	-.00191
.600	3.973	-.00512	.83820	.80324	.82072	.04253	-.00187
	GRADIENT	-.00061	.00036	.00027	.00032	.00006	-.00017

RUN NO. 438/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.799	-3.981	.00310	.91053	.87673	.89363	.04001	-.00091
.798	-2.020	.00185	.91265	.89697	.90481	.03929	-.00140
.800	.033	.00060	.91672	.90892	.91282	.03675	-.00232
.802	1.968	-.00019	.91298	.89852	.90575	.03814	-.00191
.801	3.990	-.00014	.90905	.87655	.89280	.04137	-.00107
	GRADIENT	-.00043	-.00013	.00006	-.00003	.00008	-.00004

RUN NO. 323/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-4.339	-.00173	.96414	.92918	.94666	.03281	.00066
.899	-4.008	-.00159	.96375	.93278	.94826	.03400	.00029
.901	-1.992	.00003	.97024	.95744	.96384	.03885	-.00112
.900	-.019	.00139	.97222	.96620	.96921	.03569	-.00161
.900	1.960	.00289	.97112	.95851	.96482	.03679	-.00189
.899	4.010	.00384	.96766	.93758	.95262	.03883	-.00083
	GRADIENT	.00069	.00063	.00176	.00119	.00054	-.00022

RUN NO. 427/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.101	-3.999	.00128	1.10036	1.07158	1.08597	.03478	-.00068
1.100	-2.019	.00081	1.10552	1.09193	1.09873	.03374	-.00147
1.101	.025	.00032	1.10707	1.10006	1.10356	.03263	-.00150
1.099	1.990	-.00016	1.10664	1.09398	1.10031	.03342	-.00141
1.098	3.997	-.00090	1.10416	1.07719	1.09067	.03427	-.00210
	GRADIENT	-.00027	.00044	.00067	.00055	-.00007	-.00014

IA132(AEDC TF-505) TANK UPRT W/TRNG, LOUVR OPEN (C4R048) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 339/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.249	-3.931	.00872	1.16974	1.14334	1.15654	.03468	-.00025
1.250	-2.026	.00785	1.17305	1.16188	1.16746	.03437	-.00113
1.251	-.045	.00671	1.17310	1.16832	1.17071	.03318	-.00214
1.250	1.988	.00592	1.17457	1.16456	1.16957	.03422	-.00207
1.249	3.970	.00552	1.17362	1.14839	1.16100	.03611	-.00191
	GRADIENT	-.00042	.00047	.00062	.00054	.00014	-.00021

RUN NO. 413/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.400	-3.986	.00560	1.19824	1.16764	1.18294	.03970	-.00091
1.400	-2.018	.00466	1.20016	1.18628	1.19322	.03858	-.00156
1.400	.015	.00337	1.19736	1.18980	1.19358	.03653	-.00180
1.400	1.966	.00349	1.19960	1.18759	1.19359	.03744	-.00153
1.400	4.003	.00262	1.19856	1.17141	1.18498	.03927	-.00169
	GRADIENT	-.00036	.00000	.00043	.00022	-.00010	-.00008

RUN NO. 366/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.450	-4.001	-.00266	1.18011	1.15068	1.16540	.04157	-.00039
1.450	-1.995	-.00315	1.17485	1.16205	1.16845	.03920	-.00063
1.450	.005	-.00072	1.17572	1.16962	1.17267	.03872	-.00126
1.450	1.974	-.00225	1.17799	1.16753	1.17276	.04097	-.00096
1.450	4.010	-.00159	1.18116	1.15552	1.16834	.04138	-.00090
	GRADIENT	.00015	.00026	.00075	.00051	.00007	-.00005

RUN NO. 403/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.500	-3.980	.00115	1.13390	1.10093	1.11742	.04344	-.00053
1.499	-2.014	.00237	1.11734	1.10163	1.10948	.04553	-.00044
1.500	.015	.00106	1.11714	1.10852	1.11283	.04546	-.00073
1.500	1.985	.00176	1.12853	1.11537	1.12195	.04179	-.00129
1.500	3.992	-.00131	1.13777	1.11062	1.12420	.04027	-.00149
	GRADIENT	-.00028	.00095	.00166	.00131	-.00051	-.00014

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R048) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 382/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.550	-3.979	-.00146	.83042	.80113	.81578	.06493	.00653
1.551	-2.018	-.00015	.99142	.97730	.98436	.04146	.00139
1.551	-.024	.00128	1.05286	1.04375	1.04830	.02356	-.00059
1.550	1.950	-.00333	1.04153	1.02987	1.03570	.04771	-.00603
1.549	4.007	-.00117	.83781	.80818	.82299	.06674	-.01504
	GRADIENT	-.00013	.00299	.00305	.00302	.00053	-.00254

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R049) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.990 BETA = .000
PHI = .000

RUN NO. 381/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.552	-4.341	-.00248	437.80300	1.99564	259.57300	1028.30000	1.55014	110.90000	.00000	-4.01000	-.01000
1.548	-2.279	.00167	437.59600	1.99442	260.77700	1027.10001	1.54883	111.10000	.00000	-1.98700	-.01000
1.548	-.262	-.00684	437.90000	1.99357	261.17200	1027.70000	1.54862	111.60000	.00000	-.01000	.00000
1.550	1.817	-.00120	438.49400	1.98936	260.76300	1029.50000	1.54937	113.00000	.00000	2.03000	-.01000
1.551	3.818	-.00109	437.56600	1.99477	259.87700	1027.50000	1.54970	110.90000	.00000	3.99200	-.01000
	GRADIENT	-.00000	.02118	-.00034	.02955	.04005	-.00002	.09417	.00000	.98073	-.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R049) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.990 BETA = .000
PHI = .000

RUN NO. 381/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.552	-4.341	-.00248	1.55255	.72802	.93166	.77708	.81692	-.20364	-.03984	-.20367	-.03876
1.548	-2.279	.00167	1.55433	.84763	.93932	.85932	.89364	-.09170	-.03432	-.09202	-.03350
1.548	-.262	-.00684	1.55998	1.04360	1.06670	1.03165	1.06099	-.02309	-.02934	-.02332	-.02835
1.550	1.817	-.00120	1.55348	1.05728	1.01228	1.00650	1.04247	.04500	-.03597	.04386	-.03508
1.551	3.818	-.00109	1.54665	.93333	.78326	.80133	.86180	.15006	-.06047	.14950	-.05910
	GRADIENT	-.00000	-.00062	.03044	-.01090	.00966	.01175	.04134	-.00209	.04125	-.00206

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R049) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.990 BETA = .000
PHI = .000

RUN NO. 381/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.552	-4.341	-.00248	.82986	.79645	.81315	.05908	.00230
1.548	-2.279	.00167	.89364	.87607	.88486	.04428	.00306
1.548	-.262	-.00684	1.05526	1.04583	1.05054	.02811	.00080
1.550	1.817	-.00120	1.03535	1.02404	1.02969	.04246	-.00821
1.551	3.818	-.00109	.85858	.83088	.84473	.05796	-.01390
	GRADIENT	-.00000	.00982	.01069	.01025	-.00020	-.00214

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R050) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 299/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-4.356	.00579	321.73700	2.49462	1282.19000	1633.80000	1.09285	110.20000	.00000	-4.02000	90.05000
.599	-2.235	.00441	322.60100	2.49877	1282.47000	1635.10001	1.09308	110.20000	.00000	-1.92900	90.05000
.599	-.275	.00301	322.41300	2.49791	1281.77000	1634.20000	1.09310	110.10000	.00000	.00100	90.05000
.599	1.750	.00258	322.33200	2.49715	1281.97000	1634.30000	1.09307	110.20000	.00000	1.99500	90.05000
.598	3.775	.00133	321.47900	2.49457	1282.19000	1633.50000	1.09276	110.00000	.00000	3.99100	90.05000
	GRADIENT	-.00053	-.03772	-.00008	-.02419	-.06741	-.00001	-.01971	.00000	.98523	.00000

RUN NO. 437/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-4.375	.00037	321.51500	1.99649	718.35300	1094.60001	1.17023	109.30000	.00000	-4.03600	90.03000
.798	-2.327	-.00017	321.41400	1.99625	720.35200	1096.30000	1.16967	109.70000	.00000	-2.01700	90.03000
.799	-.305	-.00056	322.66500	2.00501	722.32100	1099.80000	1.16988	109.30000	.00000	-.02600	90.01000
.799	1.746	-.00025	322.32200	2.00087	720.43200	1097.60001	1.17016	109.50000	.00000	1.99100	90.01000
.799	3.780	.00019	320.83900	1.99290	718.36800	1093.70000	1.16985	109.50000	.00000	3.99500	90.01000
	GRADIENT	-.00002	-.02197	-.00013	.00511	-.02505	-.00001	.00990	.00000	.98466	-.00294

RUN NO. 324/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.899	-4.417	.00572	349.20800	1.99732	616.75000	1042.39999	1.21890	110.50000	.00000	-4.06900	90.08000
.901	-2.200	.00327	349.84700	1.99916	616.13800	1042.80000	1.21957	110.50000	.00000	-1.89000	90.08000
.901	-.278	.00100	349.94500	1.99985	616.43500	1043.20000	1.21952	110.50000	.00000	-.00200	90.08000
.900	1.783	-.00096	349.62600	1.99893	616.74100	1043.00000	1.21919	110.50000	.00000	2.02100	90.08000
.899	3.763	-.00326	349.17700	1.99761	617.14900	1042.70000	1.21873	110.50000	.00000	3.96700	90.08000
	GRADIENT	-.00109	-.01224	.00002	.06702	.04016	-.00003	-.00000	.00000	.98232	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R050) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 426/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.099	-4.389	-.00037	371.05900	1.89697	439.15500	936.10000	1.33665	109.60000	.00000	-4.02100	90.02000
1.101	-2.281	-.00122	372.17300	1.90013	438.54200	937.60000	1.33814	109.70000	.00000	-1.95700	90.00000
1.101	-.264	-.00073	373.37500	1.90627	439.91700	940.60000	1.33817	109.70000	.00000	.01600	90.00000
1.099	1.748	.00014	370.80900	1.89484	438.46300	935.20000	1.33696	109.70000	.00000	1.98400	90.00000
1.098	3.797	.00104	370.97700	1.89719	439.65300	936.30000	1.33620	109.60000	.00000	3.98900	90.00000
	GRADIENT	.00020	-.07302	-.00023	.04483	-.09489	-.00010	.00009	.00000	.97838	-.00198

RUN NO. 357/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-4.372	.00492	404.07600	1.94867	369.30800	956.90000	1.42344	110.50000	.00000	-4.00600	90.08000
1.251	-2.233	.00268	405.10600	1.95444	369.69400	959.10000	1.42392	110.20000	.00000	-1.91300	90.08000
1.250	-.271	.00013	404.33700	1.95259	369.50400	957.50000	1.42348	109.90000	.00000	.00500	90.08000
1.250	1.800	-.00104	404.07600	1.95002	369.30800	956.90000	1.42344	110.20000	.00000	2.02900	90.08000
1.249	3.786	-.00375	403.96700	1.94649	369.80400	956.90000	1.42291	111.00000	.00000	3.97200	90.08000
	GRADIENT	-.00103	-.05984	-.00042	.02997	-.10508	-.00007	.04840	.00000	.97787	.00000

RUN NO. 412/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-4.392	-.00534	429.97800	2.00272	313.20000	997.30000	1.49379	110.10000	.00000	-4.01900	90.01000
1.400	-2.301	-.00573	430.36500	2.00406	313.49300	998.20000	1.49378	110.20000	.00000	-1.97500	89.99000
1.400	-.268	-.00521	430.27200	2.00392	313.79100	998.00000	1.49344	110.20000	.00000	.01100	89.99000
1.400	1.761	-.00257	429.19700	2.00023	312.91000	995.50000	1.49353	109.90000	.00000	1.99300	89.98000
1.401	3.824	-.00142	428.94900	1.99812	312.12100	994.90000	1.49410	110.00000	.00000	4.00900	89.98000
	GRADIENT	.00054	-.15694	-.00063	-.13338	-.36475	.00002	-.02426	.00000	.97700	-.00342

RUN NO. 365/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-4.399	.00444	432.84200	1.99848	294.16500	1004.70000	1.51361	110.40000	.00000	-4.02600	90.06000
1.450	-2.312	.00202	433.44900	2.00134	294.65400	1006.10000	1.51354	110.40000	.00000	-1.98600	90.06000
1.450	-.274	-.00029	433.92200	2.00256	294.94700	1007.20000	1.51357	110.60000	.00000	.00500	90.06000
1.450	1.795	-.00111	433.87500	2.00277	294.84800	1007.10000	1.51363	110.50000	.00000	2.02600	90.06000
1.450	3.818	-.00394	433.57900	2.00148	294.75200	1006.40000	1.51353	110.50000	.00000	4.00200	90.06000
	GRADIENT	-.00097	.09285	.00036	.06683	.21501	-.00000	.01461	.00000	.97693	-.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R050) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 402/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-4.379	-.00353	435.62300	2.00023	276.76100	1015.30000	1.53207	110.00000	.00000	-4.00600	90.01000
1.500	-2.320	-.00247	435.36100	1.99993	276.56500	1014.70000	1.53209	109.90000	.00000	-1.99400	90.01000
1.500	-.246	-.00143	435.23000	1.99887	276.46700	1014.40000	1.53211	109.90000	.00000	.03200	90.00000
1.500	1.734	-.00325	434.82600	1.99693	276.07400	1013.50000	1.53225	109.90000	.00000	1.96700	90.01000
1.500	3.816	.00032	434.78600	1.99676	276.07500	1013.40000	1.53221	109.90000	.00000	4.00100	90.01000
	GRADIENT	.00034	-.10791	-.00046	-.09096	-.24425	.00002	-.00981	.00000	.97708	-.00001

RUN NO. 384/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-4.376	-.00330	438.72100	2.00071	260.95900	1030.00000	1.54931	110.80000	.00000	-4.00300	89.99000
1.549	-2.287	.00129	437.25300	1.99547	260.18200	1026.50000	1.54921	110.50000	.00000	-1.96100	90.00000
1.550	-.273	-.00526	438.77900	2.00147	261.05900	1030.10001	1.54925	110.70000	.00000	.00600	90.00000
1.550	1.760	.00032	438.08100	1.99919	260.56900	1028.50000	1.54932	110.50000	.00000	1.99200	90.00000
1.551	3.808	.00072	437.41400	1.99449	259.67900	1027.20000	1.54980	110.80000	.00000	3.99300	89.99000
	GRADIENT	.00035	-.08832	-.00043	-.10686	-.17855	.00005	-.00015	.00000	.97703	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R050) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 299/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-4.356	.00579	1.07092	.79685	.82382	.74073	.92556	-.02697	-.18482	-.02277	-.18156
.599	-2.235	.00441	1.07154	.82461	.84554	.78745	.88387	-.02093	-.09642	-.01636	-.09289
.599	-.275	.00301	1.07343	.83676	.85177	.82881	.84678	-.01501	-.01797	-.01044	-.01443
.599	1.750	.00258	1.07199	.83091	.84060	.87037	.80384	-.00969	.06653	-.00536	.06849
.598	3.775	.00133	1.06503	.80594	.81474	.91125	.75593	-.00880	.15532	-.00432	.15635
	GRADIENT	-.00053	-.00056	.00123	-.00112	.02094	-.02071	.00235	.04165	.00237	.04135

RUN NO. 437/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.800	-4.375	.00037	1.16010	.87188	.89439	.81453	.99230	-.02252	-.17777	-.02309	-.17402
.798	-2.327	-.00017	1.16849	.90117	.91761	.86151	.95900	-.01643	-.09749	-.01641	-.09368
.799	-.305	-.00056	1.16734	.91139	.92200	.90060	.92005	-.01061	-.01945	-.01060	-.01616
.799	1.746	-.00025	1.16540	.90558	.91102	.93967	.87852	-.00544	.06114	-.00540	.06325
.799	3.780	.00019	1.16035	.88637	.88778	.97642	.83509	-.00141	.14133	-.00184	.14312
	GRADIENT	-.00002	-.00013	.00164	-.00097	.01972	-.01937	.00261	.03909	.00263	.03882

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R050) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 324/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.899	-4.417	.00572	1.18604	.93080	.95453	.87562	1.04893	-.02372	-.17331	-.01992	-.16767
.901	-2.200	.00327	1.19102	.95794	.97598	.92256	1.01178	-.01804	-.08921	-.01394	-.08353
.901	-.278	.00100	1.19070	.96624	.98128	.95872	.97689	-.01504	-.01817	-.01091	-.01263
.900	1.783	-.00096	1.18808	.95918	.96985	.99523	.93590	-.01067	.05933	-.00627	.06332
.899	3.763	-.00326	1.18298	.94054	.94904	1.03141	.89463	-.00840	.13678	-.00405	.14060
	GRADIENT	-.00109	-.00043	.00109	-.00078	.01890	-.01889	.00187	.03779	.00194	.03753

RUN NO. 426/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.099	-4.389	-.00037	1.32658	1.06795	1.08658	1.01697	1.17174	-.01863	-.15477	-.01892	-.15240
1.101	-2.281	-.00122	1.33451	1.09372	1.10790	1.05966	1.14221	-.01418	-.08255	-.01458	-.07970
1.101	-.264	-.00073	1.33373	1.10239	1.11094	1.09372	1.10871	-.00855	-.01499	-.00891	-.01245
1.099	1.748	.00014	1.33241	1.09696	1.10168	1.12562	1.07357	-.00472	.05205	-.00502	.05400
1.098	3.797	.00104	1.32787	1.07990	1.08195	1.15912	1.03438	-.00205	.12473	-.00237	.12577
	GRADIENT	.00020	.00003	.00135	-.00074	.01717	-.01682	.00209	.03400	.00209	.03382

RUN NO. 357/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.250	-4.372	.00492	1.41892	1.14470	1.15607	1.09677	1.24558	-.01137	-.14881	-.01034	-.15502
1.251	-2.233	.00268	1.42398	1.16617	1.17436	1.13497	1.21108	-.00819	-.07611	-.00669	-.07957
1.250	-.271	.00013	1.42188	1.17239	1.17702	1.16490	1.17695	-.00463	-.01204	-.00331	-.01223
1.250	1.800	-.00104	1.42256	1.16866	1.16927	1.20086	1.14149	-.00061	.05937	-.00011	.05715
1.249	3.786	-.00375	1.41862	1.15151	1.15102	1.23462	1.10219	.00050	.13244	.00054	.13141
	GRADIENT	-.00103	-.00009	.00082	-.00072	.01679	-.01751	.00154	.03430	.00139	.03487

RUN NO. 412/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.400	-4.392	-.00534	1.49027	1.16405	1.18876	1.10379	1.28166	-.02471	-.17787	-.02484	-.17538
1.400	-2.301	-.00573	1.49471	1.18698	1.20514	1.14683	1.24400	-.01816	-.09717	-.01874	-.09495
1.400	-.268	-.00521	1.48927	1.19145	1.20519	1.18204	1.20242	-.01374	-.02038	-.01445	-.01819
1.400	1.761	-.00257	1.49210	1.18954	1.19869	1.22043	1.16492	-.00915	.05551	-.00939	.05682
1.401	3.824	-.00142	1.48907	1.17164	1.17764	1.25871	1.12059	-.00600	.13811	-.00622	.13920
	GRADIENT	.00054	-.00024	.00088	-.00139	.01871	-.01958	.00227	.03828	.00227	.03810

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R050) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 365/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.450	-4.399	.00444	1.50320	1.14008	1.17842	1.08208	1.26710	-.03834	-.18502	-.03748	-.18455
1.450	-2.312	.00202	1.49836	1.15395	1.18722	1.11781	1.22002	-.03327	-.10221	-.03283	-.10148
1.450	-.274	-.00029	1.50417	1.16231	1.19157	1.15671	1.18100	-.02927	-.02429	-.02890	-.02347
1.450	1.795	-.00111	1.50730	1.15951	1.18441	1.20027	1.14151	-.02490	.05876	-.02448	.05897
1.450	3.818	-.00394	1.50471	1.14548	1.16957	1.24726	1.09989	-.02409	.14737	-.02353	.14750
	GRADIENT	-.00097	.00058	.00081	-.00099	.02009	-.02010	.00180	.04020	.00177	.04014

RUN NO. 402/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.500	-4.379	-.00353	1.52486	1.09811	1.13249	1.02750	1.23466	-.03438	-.20716	-.03464	-.20519
1.500	-2.320	-.00247	1.52851	1.10042	1.13129	1.05393	1.17430	-.03087	-.12037	-.03079	-.11813
1.500	-.246	-.00143	1.52453	1.09971	1.12643	1.09152	1.11814	-.02673	-.02662	-.02677	-.02438
1.500	1.734	-.00325	1.52276	1.10633	1.12871	1.14567	1.08363	-.02238	.06204	-.02213	.06322
1.500	3.816	.00032	1.52332	1.10643	1.12694	1.20583	1.05344	-.02051	.15236	-.02059	.15354
	GRADIENT	.00034	-.00043	.00110	-.00067	.02192	-.02217	.00177	.04409	.00180	.04396

RUN NO. 384/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.550	-4.376	-.00330	1.55688	.82208	.82741	.73464	.94311	-.00534	-.20848	-.00518	-.20770
1.549	-2.287	.00129	1.55743	1.01388	1.01925	.96660	1.05898	-.00537	-.09239	-.00549	-.09163
1.550	-.273	-.00526	1.56235	1.06155	1.06068	1.03417	1.07140	.00087	-.03724	.00007	-.03626
1.550	1.760	.00032	1.55641	1.00910	1.00290	1.01385	.98289	.00620	.03096	.00528	.03102
1.551	3.808	.00072	1.54971	.81900	.79966	.88103	.74281	.01934	.13823	.01894	.13879
	GRADIENT	.00035	-.00075	-.00044	-.00342	.01676	-.02327	.00298	.04003	.00289	.03998

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R050) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 299/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-4.356	.00579	.80824	.83151	.81987	.00302	.04232
.599	-2.235	.00441	.83279	.83390	.83334	.00302	.04079
.599	-.275	.00301	.84197	.83602	.83900	.00302	.03997
.599	1.750	.00258	.83359	.83612	.83485	.00151	.04227
.598	3.775	.00133	.80810	.83308	.82059	.00002	.04395
	GRADIENT	-.00053	.00005	.00027	.00016	-.00037	.00023

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R050) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 437/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.800	-4.375	.00037	.88342	.90154	.89248	.00336	.03949
.798	-2.327	-.00017	.90938	.90835	.90886	.00307	.03871
.799	-.305	-.00056	.91669	.90868	.91268	.00276	.03836
.799	1.745	-.00025	.90828	.90804	.90816	.00214	.03906
.799	3.780	.00019	.88729	.90486	.89608	.00156	.03935
	GRADIENT	-.00002	.00033	.00031	.00032	-.00022	.00000

RUN NO. 324/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.899	-4.417	.00572	.94076	.95945	.95011	.00309	.03823
.901	-2.200	.00327	.96491	.96433	.96462	.00192	.03743
.901	-.278	.00100	.97169	.96503	.96836	.00191	.03647
.900	1.783	-.00096	.96232	.96357	.96295	.00185	.03791
.899	3.763	-.00326	.94267	.96111	.95189	.00076	.03957
	GRADIENT	-.00109	.00012	.00014	.00013	-.00023	.00015

RUN NO. 426/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.099	-4.389	-.00037	1.07741	1.09317	1.08529	.00180	.03473
1.101	-2.281	-.00122	1.10101	1.09951	1.10026	.00258	.03397
1.101	-.264	-.00073	1.10684	1.09995	1.10339	.00254	.03280
1.099	1.748	.00014	1.09947	1.09862	1.09904	.00148	.03394
1.098	3.797	.00104	1.08109	1.09623	1.08866	.00119	.03557
	GRADIENT	.00020	.00031	.00026	.00028	-.00011	.00008

RUN NO. 357/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.250	-4.372	.00492	1.14987	1.17428	1.16208	.00171	.03540
1.251	-2.233	.00268	1.16951	1.17475	1.17213	.00170	.03500
1.250	-.271	.00013	1.17404	1.17101	1.17253	.00179	.03333
1.250	1.800	-.00104	1.16872	1.17228	1.17050	.00094	.03526
1.249	3.786	-.00375	1.15124	1.16892	1.16008	.00002	.03845
	GRADIENT	-.00103	.00013	-.00064	-.00026	-.00020	.00031

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R050) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 412/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.400	-4.392	-.00534	1.17647	1.19148	1.18397	.00318	.03854
1.400	-2.301	-.00577	1.19635	1.19430	1.19533	.00239	.03830
1.400	-.268	-.00521	1.19868	1.19113	1.19491	.00232	.03691
1.400	1.761	-.00257	1.19423	1.19202	1.19313	.00214	.03824
1.401	3.824	-.00142	1.17475	1.18911	1.18193	.00123	.04077
	GRADIENT	.00054	-.00026	-.00034	-.00030	-.00020	.00022

RUN NO. 365/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.450	-4.399	.00444	1.15882	1.17436	1.16659	.00236	.04025
1.450	-2.312	.00202	1.17037	1.16855	1.16946	.00197	.03889
1.450	-.274	-.00029	1.17676	1.16844	1.17260	.00220	.03837
1.450	1.795	-.00111	1.17175	1.17079	1.17127	.00139	.04197
1.450	3.818	-.00394	1.15725	1.17351	1.16538	.00000	.04467
	GRADIENT	-.00097	-.00008	.00002	-.00003	-.00026	.00058

RUN NO. 402/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.500	-4.379	-.00353	1.11543	1.13009	1.12276	.00191	.04144
1.500	-2.320	-.00247	1.11581	1.11300	1.11441	.00179	.04396
1.500	-.246	-.00143	1.11309	1.10371	1.10840	.00235	.04518
1.500	1.734	-.00325	1.11740	1.11406	1.11573	.00167	.04360
1.500	3.816	.00032	1.11672	1.12903	1.12288	.00028	.04328
	GRADIENT	.00034	.00020	-.00006	.00007	-.00017	.00016

RUN NO. 384/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.550	-4.376	-.00330	.82467	.83849	.83158	-.00103	.06325
1.549	-2.287	.00129	1.01663	1.01241	1.01452	.00161	.04017
1.550	-.273	-.00526	1.06151	1.05230	1.05691	.00251	.02441
1.550	1.760	.00032	1.00646	.99834	1.00240	.00433	.04392
1.551	3.808	.00072	.80953	.81164	.81059	.00784	.05697
	GRADIENT	.00035	-.00188	-.00323	-.00256	.00100	-.00044

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R051) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 302/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-6.007	-6.02002	496.56800	3.84423	1974.72000	2517.50000	1.09306	110.50000	.00000	8.58500	-134.79000
.600	-4.018	-6.03105	497.13500	3.84823	1973.31000	2516.79999	1.09324	110.20000	.00000	7.35500	-123.55000
.600	-1.961	-5.94317	498.30200	3.85175	1975.37000	2520.20001	1.09335	110.60000	.00000	6.39000	-108.19000
.600	-.004	-5.97945	497.61300	3.85004	1971.81000	2515.89999	1.09338	110.10000	.00000	6.11900	-90.05000
.601	2.004	-6.05822	498.28000	3.85154	1970.99001	2515.89999	1.09358	110.20000	.00000	6.51100	-71.78000
.600	3.993	-5.99822	497.10300	3.84704	1972.02000	2515.50000	1.09327	110.20000	.00000	7.31500	-56.47000
.600	6.043	-6.03638	497.86400	3.85375	1974.98000	2519.29999	1.09329	110.10000	.00000	8.62100	-45.12000
	GRADIENT	-.00241	-.00329	-.00013	-.34605	-.34189	.00001	-.01964	.00000	.00138	8.53222

RUN NO. 465/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-5.974	-5.96366	626.83000	3.88317	1399.16000	2132.79999	1.17040	110.20000	.00000	8.46800	-134.94000
.800	-4.017	-6.01203	626.95800	3.88827	1401.14000	2134.79999	1.17019	109.90000	.00000	7.29100	-123.66000
.800	-2.007	-6.00115	628.46200	3.89455	1402.30000	2137.89993	1.17046	110.00000	.00000	6.41400	-108.44000
.800	.004	-5.93328	627.94800	3.89065	1401.32001	2136.29999	1.17045	110.10000	.00000	6.03100	-89.96000
.800	2.029	-6.06452	628.13600	3.89374	1401.91000	2137.10001	1.17043	109.90000	.00000	6.47900	-71.56000
.800	4.001	-5.99361	628.24100	3.89347	1401.21001	2136.60001	1.17055	109.90000	.00000	7.26700	-56.35000
.800	6.030	-6.02878	627.42000	3.89000	1400.14000	2134.50000	1.17044	109.80000	.00000	8.55100	-45.09000
	GRADIENT	-.00135	.11167	.00048	-.01215	.13987	.00003	-.00498	.00000	.00044	8.54518

RUN NO. 472/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.969	-5.96446	698.40900	4.00179	1232.59000	2084.00000	1.21907	109.60000	.00000	8.41900	-134.94000
.900	-4.015	-5.98847	698.72900	4.00544	1232.28000	2084.20001	1.21924	109.30000	.00000	7.23000	-123.76000
.900	-2.005	-5.95357	699.89500	3.99844	1234.25000	2087.60001	1.21925	110.80000	.00000	6.33300	-108.55000
.900	-.043	-6.00272	698.43800	3.99137	1232.89000	2084.29999	1.21902	110.80000	.00000	6.06400	-90.38000
.900	1.983	-6.00166	698.31100	3.98397	1232.28999	2083.60001	1.21910	111.50000	.00000	6.37300	-71.72000
.900	4.021	-5.99994	697.87400	3.98118	1232.10001	2082.79999	1.21899	111.60000	.00000	7.24500	-56.20000
.900	6.027	-6.03010	698.24700	3.98227	1230.89999	2082.29999	1.21934	111.50000	.00000	8.50600	-45.06000
	GRADIENT	-.00352	-.16394	-.00314	-.11560	-.33855	-.00003	.26409	.00000	.00436	8.57114

RUN NO. 488/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-5.955	-5.96191	760.17500	3.88397	897.54100	1916.30000	1.33745	109.60000	.00000	8.33400	-134.91000
1.100	-4.016	-6.00728	760.42600	3.88390	898.23200	1917.20000	1.33731	109.80000	.00000	7.18300	-123.71000
1.099	-2.003	-6.04462	759.50900	3.87929	898.04800	1915.50000	1.33697	109.90000	.00000	6.36100	-108.28000
1.100	-.014	-5.95441	760.06000	3.87789	897.24400	1915.89999	1.33752	110.20000	.00000	5.96600	-90.10000
1.100	2.012	-6.00545	760.83800	3.87864	897.62900	1917.50000	1.33772	110.50000	.00000	6.33000	-71.45000
1.100	4.006	-5.99936	760.54400	3.87694	897.93200	1917.20000	1.33747	110.60000	.00000	7.17400	-56.25000
1.100	5.970	-5.95849	759.24500	3.87616	896.06600	1913.70000	1.33760	109.90000	.00000	8.34600	-44.94000
	GRADIENT	.00272	.07808	-.00073	-.05067	.09989	.00005	.10969	.00000	-.00242	8.56311

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R051) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 332/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.251	-5.951	-5.96640	811.82400	3.92228	741.05200	1922.10001	1.42384	109.60000	.00000	8.33400	-134.90000
1.251	-3.964	-5.96801	809.44200	3.91380	739.20200	1916.60001	1.42369	109.30000	.00000	7.12400	-123.58000
1.250	-1.997	-5.96497	807.34400	3.90180	738.13900	1912.00000	1.42332	109.60000	.00000	6.28700	-108.51000
1.250	-.009	-5.99786	809.15300	3.91306	739.60100	1916.20000	1.42340	109.30000	.00000	6.00700	-90.10000
1.250	1.995	-6.00019	807.54700	3.90620	738.13700	1912.39999	1.42340	109.20000	.00000	6.31800	-71.65000
1.249	4.009	-6.01608	807.50400	3.90511	739.02800	1912.70000	1.42299	109.40000	.00000	7.18700	-56.35000
1.249	6.036	-6.03167	807.58400	3.90642	739.12600	1912.89999	1.42298	109.30000	.00000	8.43700	-45.02000
	GRADIENT	-.00659	-.18401	-.00065	-.01736	-.37066	-.00007	-.01005	.00000	.00866	8.59215

RUN NO. 495/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.399	-6.014	-6.01649	764.38800	3.55723	558.10500	1773.00000	1.49310	110.60000	.00000	8.43400	-134.94000
1.398	-4.029	-6.03099	761.53100	3.54436	556.55300	1766.39999	1.49282	110.60000	.00000	7.22900	-123.71000
1.399	-1.970	-5.94494	762.66200	3.54844	556.93800	1769.00003	1.49305	110.70000	.00000	6.27800	-108.31000
1.398	-.023	-5.96485	760.36100	3.53914	555.97200	1763.70000	1.49267	110.60000	.00000	5.99400	-90.23000
1.398	1.992	-6.03977	761.27700	3.54466	556.16100	1765.80000	1.49292	110.40000	.00000	6.37300	-71.78000
1.399	4.010	-6.02866	763.10600	3.54835	556.63700	1770.00000	1.49337	110.90000	.00000	7.22000	-56.40000
1.398	6.025	-6.00772	762.87000	3.55134	557.42900	1769.50000	1.49288	110.50000	.00000	8.43900	-44.96000
	GRADIENT	-.00445	.09002	.00022	-.02964	.20408	.00005	.01515	.00000	.00371	8.53846

RUN NO. 374/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.451	-5.964	-5.97980	758.33800	3.50012	514.82800	1760.30000	1.51392	110.50000	.00000	8.38100	-134.86000
1.451	-4.003	-5.96544	757.75700	3.50452	514.04400	1759.00000	1.51412	109.60000	.00000	7.16800	-123.79000
1.451	-1.998	-5.94819	757.90200	3.49885	514.43800	1759.30000	1.51396	110.40000	.00000	6.29300	-108.56000
1.449	-.039	-6.02894	757.43900	3.49255	515.13300	1758.10001	1.51341	111.00000	.00000	6.05800	-90.36000
1.450	1.972	-5.99184	757.08200	3.49480	514.64300	1757.30000	1.51354	110.50000	.00000	6.32600	-71.79000
1.450	4.016	-6.03613	756.81700	3.49023	514.34900	1756.70000	1.51362	110.90000	.00000	7.23200	-56.37000
1.450	6.025	-6.02949	756.89000	3.49039	514.15100	1756.89999	1.51375	110.90000	.00000	8.45900	-45.05000
	GRADIENT	-.00923	-.13493	-.00163	.03999	-.32974	-.00007	.13460	.00000	.00898	8.57555

RUN NO. 507/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.499	-5.959	-5.98612	718.46500	3.29203	456.51000	1674.50000	1.53203	110.90000	.00000	8.40000	-134.79000
1.500	-3.998	-5.99407	718.42800	3.29555	456.21300	1674.50000	1.53220	110.40000	.00000	7.20400	-123.63000
1.499	-1.975	-6.00276	718.69900	3.29551	456.80400	1675.00000	1.53194	110.60000	.00000	6.35200	-108.16000
1.499	-.021	-5.96825	718.92100	3.29733	457.00000	1675.50000	1.53191	110.50000	.00000	6.01400	-90.19000
1.500	2.020	-6.05406	719.65800	3.30036	456.89300	1677.39999	1.53225	110.50000	.00000	6.41300	-71.56000
1.499	3.990	-5.98523	719.57400	3.30192	457.48800	1677.00000	1.53188	110.30000	.00000	7.19500	-56.33000
1.500	6.031	-6.02374	719.94700	3.30085	456.99000	1678.10001	1.53231	110.60000	.00000	8.47800	-45.01000
	GRADIENT	-.00173	.16300	.00088	.13204	.37111	-.00002	-.01492	.00000	.00208	8.57226

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R051) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 391/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.549	-5.967	-5.95376	689.01100	3.14517	410.04500	1617.50000	1.54918	110.40000	.00000	8.39800	-134.95000
1.550	-3.946	-5.98028	688.89600	3.14600	409.84800	1617.30000	1.54926	110.10000	.00000	7.17700	-123.34000
1.550	-1.957	-5.99033	689.93100	3.15072	410.33300	1619.80000	1.54934	110.20000	.00000	6.34500	-108.06000
1.549	-.012	-5.95296	689.89600	3.14845	410.53200	1619.60001	1.54920	110.50000	.00000	6.00900	-89.99000
1.550	2.019	-6.05828	689.62700	3.15145	409.93900	1619.20000	1.54948	109.90000	.00000	6.42700	-71.62000
1.550	3.999	-6.02344	690.41700	3.15131	410.32700	1621.10001	1.54953	110.40000	.00000	7.24100	-56.45000
1.550	6.048	-6.00714	690.09800	3.15138	410.23100	1620.30000	1.54946	110.20000	.00000	8.49100	-44.86000
	GRADIENT	-.00782	.13765	.00049	.02802	.35211	.00003	.01477	.00000	.01114	8.56898

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R051) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 302/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-6.007	-6.02002	1.01580	.61376	.90314	.59756	.87699	-.28937	-.27944	-.28699	-.27601
.600	-4.018	-6.03105	1.03877	.66293	.86570	.64687	.92046	-.20278	-.27360	-.20075	-.27055
.600	-1.961	-5.94317	1.05048	.71209	.82361	.67967	.94819	-.11152	-.26852	-.11008	-.26592
.600	-.004	-5.97945	1.05334	.75677	.77993	.68905	.95976	-.02315	-.27071	-.02203	-.26761
.601	2.004	-6.05822	1.04641	.79658	.73231	.68222	.95372	.06427	-.27150	.06514	-.26843
.600	3.993	-5.99822	1.03901	.84203	.68855	.66172	.93711	.15348	-.27539	.15385	-.27257
.600	6.043	-6.03638	1.01267	.87798	.63537	.61517	.89873	.24261	-.28355	.24298	-.28043
	GRADIENT	-.00241	-.00017	.02215	-.02229	.00163	.00196	.04444	-.00032	.04425	-.00032

RUN NO. 465/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.800	-5.974	-5.96366	1.13355	.70817	.97922	.69381	.95242	-.27105	-.25861	-.27067	-.25837
.800	-4.017	-6.01203	1.15186	.75411	.94526	.73722	.98917	-.19115	-.25195	-.19100	-.25212
.800	-2.007	-6.00115	1.15870	.79630	.90418	.76350	1.01395	-.10788	-.25045	-.10794	-.25076
.800	.004	-5.93328	1.16109	.83903	.86368	.77335	1.02467	-.02465	-.25132	-.02464	-.25139
.800	2.029	-6.06452	1.15635	.87785	.81676	.76663	1.02393	.06109	-.25730	.06056	-.25754
.800	4.001	-5.99361	1.14603	.91733	.77314	.74702	1.00366	.14419	-.25664	.14369	-.25714
.800	6.030	-6.02878	1.12707	.95241	.72395	.70663	.97226	.22846	-.26564	.22799	-.26605
	GRADIENT	-.00135	-.00069	.02033	-.02151	.00114	.00195	.04183	-.00081	.04174	-.00084

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R051) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 472/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-5.969	-5.96446	1.18622	.77463	1.03290	.76079	1.00634	-.25827	-.24555	-.25806	-.24619
.900	-4.015	-5.98847	1.20125	.81629	.99902	.79965	1.03968	-.18262	-.24093	-.18262	-.24080
.900	-2.005	-5.95357	1.20904	.85880	.96235	.82584	1.06311	-.10355	-.23726	-.10373	-.23772
.900	-.043	-6.00272	1.21150	.89736	.92244	.83349	1.07588	-.02509	-.24240	-.02548	-.24317
.900	1.983	-6.00166	1.20802	.93771	.88152	.83142	1.07188	.05619	-.24046	.05514	-.24121
.900	4.021	-5.99994	1.19873	.97591	.83666	.81048	1.05588	.13924	-.24540	.13804	-.24608
.900	6.027	-6.03010	1.18147	1.00949	.79086	.77329	1.02688	.21863	-.25359	.21784	-.25437
	GRADIENT	-.00352	-.00031	.01984	-.02022	.00134	.00203	.04006	-.00069	.03989	-.00070

RUN NO. 488/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.100	-5.955	-5.96191	1.31028	.93428	1.16399	.92177	1.14380	-.22971	-.22203	-.22980	-.22271
1.100	-4.016	-6.00728	1.32317	.97125	1.13318	.95465	1.17328	-.16194	-.21863	-.16231	-.21948
1.099	-2.003	-6.04462	1.32959	1.00780	1.09976	.97603	1.19347	-.09196	-.21738	-.09219	-.21841
1.100	-.014	-5.95441	1.33056	1.04519	1.06470	.98494	1.20008	-.01952	-.21514	-.01981	-.21614
1.100	2.012	-6.00545	1.32535	1.07792	1.02487	.97894	1.19646	.05305	-.21752	.05240	-.21830
1.100	4.006	-5.99936	1.31885	1.11332	.98897	.96333	1.18369	.12435	-.22036	.12418	-.22150
1.100	5.970	-5.95849	1.30628	1.14498	.95069	.93374	1.15963	.19429	-.22589	.19375	-.22676
	GRADIENT	.00272	-.00064	.01766	-.01811	.00101	.00119	.03578	-.00018	.03577	-.00020

RUN NO. 332/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.251	-5.951	-5.96640	1.35968	.99746	1.24161	.98905	1.22050	-.24416	-.23145	-.24243	-.22809
1.251	-3.964	-5.96801	1.37318	1.03661	1.20983	1.02261	1.24945	-.17322	-.22681	-.17175	-.22370
1.250	-1.997	-5.96497	1.37899	1.07339	1.17543	1.04344	1.26836	-.10204	-.22493	-.10095	-.22170
1.250	-.009	-5.99786	1.37915	1.10869	1.13836	1.05035	1.27693	-.02967	-.22658	-.02900	-.22344
1.250	1.995	-6.00019	1.37613	1.14498	1.09806	1.04632	1.27533	.04592	-.22901	.04614	-.22585
1.249	4.009	-6.01608	1.36663	1.17785	1.05985	1.02908	1.26244	.11800	-.23336	.11791	-.22967
1.249	6.036	-6.03167	1.35234	1.21255	1.01824	.99819	1.23933	.19431	-.24114	.19372	-.23750
	GRADIENT	-.00659	-.00081	.01776	-.01888	.00078	.00164	.03663	-.00086	.03643	-.00081

RUN NO. 495/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.399	-6.014	-6.01649	1.47740	1.01497	1.27729	.99965	1.26022	-.26231	-.26057	-.26255	-.26087
1.398	-4.029	-6.03099	1.49012	1.05818	1.24098	1.03456	1.28675	-.18280	-.25220	-.18304	-.25284
1.399	-1.970	-5.94494	1.49106	1.10125	1.20007	1.05708	1.30046	-.09881	-.24339	-.09881	-.24399
1.398	-.023	-5.96485	1.48973	1.14120	1.16062	1.06452	1.30676	-.01942	-.24223	-.01975	-.24292
1.398	1.992	-6.03977	1.48795	1.18073	1.11839	1.05992	1.30616	.06234	-.24624	.06157	-.24663
1.399	4.010	-6.02866	1.48417	1.22227	1.07876	1.04481	1.29443	.14351	-.24962	.14282	-.25012
1.398	6.025	-6.00772	1.47259	1.26274	1.03642	1.01588	1.27182	.22632	-.25593	.22551	-.25648
	GRADIENT	-.00445	-.00075	.02034	-.02027	.00117	.00105	.04061	.00012	.04052	.00014

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R051) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 374/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.451	-5.964	-5.97980	1.48553	.99891	1.26278	.98340	1.25394	-.26386	-.27054	-.26352	-.27047
1.451	-4.003	-5.96544	1.49224	1.04113	1.22244	1.01401	1.27760	-.18125	-.26358	-.18100	-.26323
1.451	-1.998	-5.94819	1.49730	1.08611	1.18309	1.03606	1.29379	-.09698	-.25773	-.09695	-.25734
1.449	-.039	-6.02894	1.49871	1.12858	1.14276	1.04244	1.30136	-.01418	-.25892	-.01401	-.25857
1.450	1.972	-5.99184	1.49746	1.17308	1.10126	1.04124	1.29349	.07182	-.25225	.07152	-.25202
1.450	4.016	-6.03613	1.49287	1.21412	1.06054	1.02532	1.27990	.15358	-.25458	.15339	-.25431
1.450	6.025	-6.02949	1.48153	1.25321	1.01887	.99698	1.25558	.23434	-.25861	.23407	-.25828
	GRADIENT	-.00923	.00007	.02163	-.02027	.00137	.00020	.04190	.00117	.04184	.00116

RUN NO. 507/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.499	-5.959	-5.98612	1.51803	.96849	1.25345	.95105	1.23881	-.28496	-.28776	-.28492	-.28798
1.500	-3.998	-5.99407	1.51989	1.00230	1.20066	.97143	1.25365	-.19836	-.28222	-.19844	-.28272
1.499	-1.975	-6.00276	1.52265	1.04048	1.14763	.98332	1.26210	-.10715	-.27878	-.10768	-.27915
1.499	-.021	-5.96825	1.52142	1.08084	1.09922	.98593	1.26248	-.01838	-.27655	-.01845	-.27681
1.500	2.020	-6.05406	1.51936	1.13206	1.05912	.98896	1.26628	.07294	-.27732	.07217	-.27765
1.499	3.990	-5.98523	1.51469	1.17723	1.01826	.97584	1.25321	.15897	-.27737	.15851	-.27769
1.500	6.031	-6.02374	1.51008	1.23946	.99171	.96740	1.24748	.24776	-.28008	.24705	-.28011
	GRADIENT	-.00173	-.00068	.02210	-.02270	.00073	.00017	.04480	.00056	.04475	.00058

RUN NO. 391/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.549	-5.967	-5.95376	1.55245	.71204	1.07596	.69755	1.04209	-.36393	-.34454	-.36353	-.34361
1.550	-3.946	-5.98028	1.55351	.71399	.96866	.66516	1.00990	-.25467	-.34474	-.25467	-.34386
1.550	-1.957	-5.99033	1.55254	.73746	.88429	.65275	.99225	-.14682	-.33950	-.14684	-.33870
1.549	-.012	-5.95296	1.54861	.77605	.81239	.65817	.98370	-.03634	-.32552	-.03626	-.32478
1.550	2.019	-6.05828	1.55188	.83629	.76629	.64264	1.00010	.07000	-.35746	.06951	-.35665
1.550	3.999	-6.02344	1.55225	.91525	.73217	.64928	1.01882	.18309	-.36954	.18244	-.36879
1.550	6.048	-6.00714	1.54949	1.03021	.73001	.68557	1.06205	.30020	-.37648	.29964	-.37537
	GRADIENT	-.00782	-.00016	.02526	-.02973	-.00211	.00131	.05499	-.00342	.05490	-.00344

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R05I) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 302/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-6.007	-6.02002	.75726	.73556	.74641	.04327	.00264
.600	-4.018	-6.03105	.76330	.78214	.77272	.04353	.00297
.600	-1.961	-5.94317	.76713	.81263	.78988	.04491	.00048
.600	-.004	-5.97945	.76779	.82285	.79532	.04411	-.00087
.601	2.004	-6.05823	.76401	81643	.79022	.04390	-.00086
.600	3.993	-5.99822	.76511	.79801	.78156	.04433	-.00317
.600	6.043	-6.03638	.75649	.75539	.75594	.04306	-.00416
	GRADIENT	-.00241	.00003	.00180	.00091	.00003	-.00068

RUN NO. 465/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.800	-5.974	-5.96366	.84350	.82300	.83325	.04054	.00386
.800	-4.017	-6.01203	.84961	.86328	.85644	.04105	.00185
.800	-2.007	-6.00115	.85027	.88888	.86958	.04137	.00038
.800	.004	-5.93328	.85135	.89904	.87520	.04172	-.00231
.800	2.029	-6.06452	.84757	.89540	.87148	.04228	-.00119
.800	4.001	-5.99361	.84549	.87559	.86054	.04185	-.00133
.800	6.030	-6.02878	.83842	.83965	.83903	.04140	-.00592
	GRADIENT	-.00135	-.00054	.00156	.00051	.00013	-.00040

RUN NO. 472/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-5.969	-5.96446	.90366	.88388	.89377	.03847	.00268
.900	-4.015	-5.98847	.90770	.92005	.91388	.03884	.00290
.900	-2.005	-5.95357	.91067	.94470	.92768	.03971	-.00141
.900	-.043	-6.00272	.91010	.95507	.93259	.03975	-.00109
.900	1.983	-6.00166	.91014	.95202	.93108	.04031	.00018
.900	4.021	-5.99994	.90688	.93352	.92020	.04039	-.00387
.900	6.027	-6.03010	.90057	.90047	.90052	.03946	-.00425
	GRADIENT	-.00352	-.00011	.00169	.00079	.00018	-.00060

RUN NO. 488/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.100	-5.955	-5.96191	1.04918	1.03312	1.04115	.03492	.00204
1.100	-4.016	-6.00728	1.05240	1.06439	1.05840	.03456	.00090
1.099	-2.003	-6.04462	1.05390	1.08529	1.06960	.03575	.00098
1.100	-.014	-5.95441	1.05509	1.09301	1.07405	.03616	.00021
1.100	2.012	-6.00545	1.05172	1.08809	1.06990	.03573	-.00153
1.100	4.006	-5.99936	1.05123	1.07408	1.06266	.03583	-.00209
1.100	5.970	-5.95849	1.04811	1.04712	1.04761	.03522	-.00297
	GRADIENT	.00272	-.00023	.00111	.00044	.00013	-.00042

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R051) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 332/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.251	-5.951	-5.96640	1.11867	1.10309	1.11088	.03545	.00240
1.251	-3.964	-5.96801	1.12248	1.13446	1.12847	.03584	.00183
1.250	-1.997	-5.96497	1.12387	1.15429	1.13908	.03588	-.00004
1.250	-.009	-5.99786	1.12319	1.16207	1.14263	.03716	-.00123
1.250	1.995	-6.00019	1.12191	1.15924	1.14058	.03652	-.00129
1.249	4.009	-6.01608	1.11889	1.14392	1.13141	.03614	-.00291
1.249	6.036	-6.03167	1.11569	1.11694	1.11631	.03806	-.00434
	GRADIENT	-.00659	-.00046	.00118	.00036	.00006	-.00054

RUN NO. 495/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.399	-6.014	-6.01649	1.14625	1.13009	1.13817	.03980	.00376
1.398	-4.029	-6.03099	1.14970	1.16098	1.15534	.04053	.00463
1.399	-1.970	-5.94494	1.15065	1.17907	1.16486	.04089	.00274
1.398	-.023	-5.96485	1.15107	1.18598	1.16853	.04047	-.00119
1.398	1.992	-6.03977	1.14995	1.18323	1.16659	.04018	-.00180
1.399	4.010	-6.02866	1.15086	1.16987	1.16037	.04061	-.00232
1.398	6.025	-6.00772	1.14998	1.14412	1.14705	.04127	-.00357
	GRADIENT	-.00445	.00008	.00110	.00059	-.00003	-.00092

RUN NO. 374/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.451	-5.964	-5.97980	1.13067	1.11863	1.12465	.04214	.00354
1.451	-4.003	-5.96544	1.13169	1.14563	1.13866	.04196	.00399
1.451	-1.998	-5.94819	1.13459	1.16473	1.14966	.04200	.00036
1.449	-.039	-6.02894	1.13558	1.17173	1.15365	.04283	.00138
1.450	1.972	-5.99184	1.13732	1.16725	1.15228	.04130	.00186
1.450	4.016	-6.03613	1.13743	1.15248	1.14495	.03974	-.00234
1.450	6.025	-6.02949	1.13617	1.12612	1.13115	.04036	-.00180
	GRADIENT	-.00923	.00071	.00079	.00075	-.00026	-.00056

RUN NO. 507/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.499	-5.959	-5.98612	1.11094	1.09504	1.10299	.04398	.00292
1.500	-3.998	-5.99407	1.10152	1.11279	1.10715	.04435	.00221
1.499	-1.975	-6.00276	1.09432	1.12290	1.10861	.04551	.00160
1.499	-.021	-5.96825	1.09007	1.12433	1.10720	.04519	.00027
1.500	2.020	-6.05406	1.09597	1.12779	1.11188	.04398	-.00028
1.499	3.990	-5.98523	1.09798	1.11468	1.10633	.04359	-.00043
1.500	6.031	-6.02374	1.11593	1.10745	1.11169	.04328	-.00157
	GRADIENT	-.00173	-.00027	.00044	.00008	-.00015	-.00036

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R051) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 391/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.549	-5.967	-5.95376	.89380	.86935	.88158	.05408	-.00004
1.550	-3.946	-5.98028	.84132	.83709	.83920	.05343	-.00029
1.550	-1.957	-5.99033	.81088	.82210	.81649	.05643	.00861
1.549	-.012	-5.95296	.79418	.82056	.80737	.05421	-.00468
1.550	2.019	-6.05828	.80153	.82097	.81125	.05381	-.01449
1.550	3.999	-6.02344	.82403	.83367	.82885	.05904	-.00248
1.550	6.048	-6.00714	.88039	.87325	.87682	.05675	-.00357
	GRADIENT	-.00782	-.00219	-.00040	-.00129	.00033	-.00138

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R052) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.000 BETA = -6.000
PHI = .000

RUN NO. 325/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.973	-5.98228	699.08800	4.00168	1231.67999	2084.20001	1.21947	109.80000	.00000	8.43600	-134.87000
.900	-3.974	-5.97087	697.20300	3.99265	1230.92000	2080.79999	1.21897	109.90000	.00000	7.19700	-123.57000
.900	-1.992	-5.94293	698.28900	3.99792	1232.78999	2084.00000	1.21899	110.00000	.00000	5.32200	-108.48000
.900	-.025	-6.02028	700.22100	4.01018	1234.74001	2088.50000	1.21927	109.70000	.00000	6.08300	-90.22000
.900	1.993	-6.01059	699.13800	4.00286	1234.37000	2086.60001	1.21897	110.00000	.00000	6.38500	-71.68000
.900	4.013	-6.02186	698.82700	4.00069	1232.58000	2084.60001	1.21921	109.90000	.00000	7.25900	-56.36000
.899	6.049	-6.02303	697.12800	3.99471	1232.32001	2081.89999	1.21869	109.80000	.00000	8.51700	-44.94000
	GRADIENT	-.00848	.20363	.00104	.24310	.50658	.00002	.00013	.00000	.01028	8.57828

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R052) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 4.000 BETA = -6.000
PHI = .000

RUN NO. 325/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-5.973	-5.98228	1.15078	.77385	1.03382	.75998	1.01138	-.25997	-.25141	-.25750	-.24822
.900	-3.974	-5.97087	1.16998	.81943	1.00161	.80236	1.04614	-.18218	-.24378	-.18034	-.24051
.900	-1.992	-5.94293	1.17692	.85999	.96456	.82612	1.06780	-.10457	-.24168	-.10283	-.23826
.900	-.025	-6.02028	1.17665	.89754	.92304	.83260	1.07710	-.02550	-.24450	-.02421	-.24141
.900	1.993	-6.01058	1.17342	.93697	.88105	.82840	1.07467	.05583	-.24627	.05640	-.24315
.900	4.013	-6.02186	1.16362	.97422	.83892	.80952	1.05755	.13530	-.24803	.13555	-.24491
.899	6.049	-6.02303	1.14469	1.00942	.79273	.77249	1.02838	.21669	-.25589	.21679	-.25291
	GRADIENT	-.00848	-.00082	.01936	-.02049	.00081	.00147	.03985	-.00066	.03963	-.00069

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R052) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 4.000 BETA = -6.000
PHI = .000

RUN NO. 325/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-5.973	-5.98228	.90259	.88409	.89334	.03851	.00438
.900	-3.974	-5.97087	.90960	.92261	.91610	.03876	.00281
.900	-1.992	-5.94293	.91140	.94525	.92833	.03957	-.00065
.900	-.025	-6.02028	.90965	.95331	.93148	.04018	-.00161
.900	1.993	-6.01058	.90867	.94997	.92932	.03945	-.00031
.900	4.013	-6.02186	.90644	.93197	.91921	.03941	-.00234
.899	6.049	-6.02303	.90102	.89894	.89998	.04015	-.00473
	GRADIENT	-.00848	-.00045	.00115	.00035	.00006	-.00050

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R053) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 303/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-5.972	-4.00288	497.89500	3.85212	1972.78999	2517.20001	1.09340	110.10000	.00000	7.30000	-146.07000
.600	-3.972	-3.97511	496.49200	3.84654	1971.64000	2514.39999	1.09317	109.90000	.00000	5.76200	-134.88000
.600	-1.995	-3.95295	497.79900	3.84965	1972.39999	2516.70001	1.09341	110.30000	.00000	4.59800	-116.68000
.601	-.040	-3.94191	499.43000	3.85871	1972.36000	2518.60001	1.09373	110.10000	.00000	4.12600	-90.59000
.601	1.974	-4.02789	498.07600	3.85584	1973.19000	2517.79999	1.09341	109.80000	.00000	4.65500	-63.99000
.600	4.025	-4.05846	496.37900	3.84514	1970.53999	2513.20001	1.09324	109.90000	.00000	5.85600	-45.34000
.600	6.046	-4.02072	497.54700	3.84953	1972.60001	2516.60001	1.09334	110.20000	.00000	7.36900	-33.72000
	GRADIENT	-.01218	-.00111	.00015	-.07302	-.07181	.00001	-.02516	.00000	.01442	11.60816

RUN NO. 466/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-5.966	-3.98688	627.00100	3.88882	1400.64999	2134.39999	1.17025	109.80000	.00000	7.24200	-146.18000
.799	-4.010	-4.05425	626.63300	3.88776	1401.95000	2135.10001	1.16997	109.90000	.00000	5.80700	-134.61000
.800	-1.978	-4.05165	627.37800	3.88800	1401.83000	2136.00000	1.17022	110.20000	.00000	4.64700	-115.94000
.800	.001	-3.97106	627.93500	3.89128	1401.12000	2136.10001	1.17047	110.00000	.00000	4.12700	-89.98000
.800	2.011	-3.95074	627.37200	3.88963	1401.73000	2135.89999	1.17023	110.00000	.00000	4.57400	-63.09000
.800	3.958	-3.95338	627.60200	3.89034	1400.63000	2135.20001	1.17044	109.90000	.00000	5.70100	-45.03000
.800	5.963	-3.93352	627.09500	3.88862	1400.94000	2134.79999	1.17025	109.90000	.00000	7.20900	-33.47000
	GRADIENT	.01520	.09729	.00034	-.13700	.00594	.00005	-.00983	.00000	-.01566	11.64404

RUN NO. 473/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.001	-4.00781	698.61600	3.99699	1233.28000	2084.89999	1.21901	110.30000	.00000	7.24300	-146.21000
.900	-3.994	-4.03679	698.89400	3.99445	1233.28000	2085.29999	1.21910	110.70000	.00000	5.75300	-134.63000
.900	-1.983	-4.07563	698.00400	3.99328	1232.00000	2082.89999	1.21903	110.30000	.00000	4.64400	-115.87000
.901	-.002	-3.98080	698.95200	3.99320	1230.98000	2083.39999	1.21957	110.60000	.00000	4.11300	-89.98000
.900	2.001	-3.93644	699.94700	3.99141	1233.35001	2086.89999	1.21944	111.50000	.00000	4.53400	-63.05000
.900	3.964	-3.96065	700.48900	3.99124	1234.64000	2088.79999	1.21936	111.90000	.00000	5.68300	-44.98000
.900	6.003	-4.01423	699.93500	3.98928	1233.95000	2087.39999	1.21933	111.80000	.00000	7.25100	-33.77000
	GRADIENT	.01465	.25756	-.00042	.20372	.55151	.00005	.18068	.00000	-.01328	11.66502

RUN NO. 489/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.099	-5.999	-4.01507	761.10200	3.88442	899.61100	1919.30000	1.33710	110.20000	.00000	7.18500	-146.18000
1.100	-4.016	-4.05653	760.04200	3.87474	896.84700	1915.60001	1.33765	110.50000	.00000	5.73500	-134.68000
1.100	-1.973	-4.07128	760.13800	3.87621	897.04400	1915.89999	1.33763	110.40000	.00000	4.59800	-115.80000
1.100	-.002	-3.96794	759.65100	3.87512	896.95300	1915.00000	1.33745	110.30000	.00000	4.06600	-89.97000
1.100	2.013	-4.01181	759.63100	3.87526	897.15200	1915.10001	1.33736	110.30000	.00000	4.56600	-63.32000
1.099	3.990	-3.99204	760.15200	3.87764	898.33500	1916.80000	1.33715	110.40000	.00000	5.67600	-44.96000
1.100	5.967	-3.92700	759.82700	3.87668	896.95000	1915.30000	1.33753	110.20000	.00000	7.11800	-33.30000
	GRADIENT	.00940	-.01439	.00024	.15396	.07976	-.00006	-.01507	.00000	-.00832	11.59612

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R053) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 333/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.021	-4.02089	808.17200	3.90633	738.52500	1913.80000	1.42349	109.50000	.00000	7.20600	-146.28000
1.250	-3.981	-4.00243	808.12900	3.90704	739.41600	1914.10001	1.42307	109.50000	.00000	5.67300	-134.86000
1.250	-2.002	-3.95347	807.03900	3.90150	738.14300	1911.39999	1.42320	109.50000	.00000	4.50900	-116.85000
1.250	.005	-3.99170	809.01500	3.91020	739.99900	1916.10001	1.42318	109.60000	.00000	4.08900	-89.95000
1.250	1.982	-4.06518	807.51100	3.90284	738.53300	1912.50000	1.42321	109.60000	.00000	4.59800	-64.05000
1.249	4.008	-4.02061	807.64200	3.90594	739.32300	1913.10001	1.42292	109.40000	.00000	5.70500	-45.11000
1.249	6.026	-4.02219	808.73900	3.90922	740.10100	1915.60001	1.42302	109.60000	.00000	7.21100	-33.73000
	GRADIENT	-.00741	-.02479	-.00004	.01083	-.04412	-.00001	-.00508	.00000	.00827	11.63604

RUN NO. 496/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.397	-6.002	-4.01677	761.94900	3.55008	557.43800	1767.39999	1.49252	110.20000	.00000	7.20800	-146.21000
1.399	-3.991	-4.02664	761.55300	3.54695	555.56600	1766.39999	1.49335	110.20000	.00000	5.71200	-134.74000
1.398	-1.987	-4.07769	761.66300	3.54820	556.55200	1766.70003	1.49288	110.20000	.00000	4.62300	-115.96000
1.399	.004	-3.98932	761.62600	3.55028	556.25600	1766.60001	1.49301	109.90000	.00000	4.09900	-89.96000
1.398	1.996	-3.91949	762.31400	3.54777	556.84200	1768.20000	1.49296	110.60000	.00000	4.49200	-63.03000
1.398	4.014	-3.98864	761.91200	3.54886	557.14200	1767.30000	1.49265	110.30000	.00000	5.70500	-44.82000
1.398	6.028	-4.04612	762.61200	3.55013	557.23400	1768.89999	1.49288	110.50000	.00000	7.24700	-33.87000
	GRADIENT	.01168	.06836	.00017	.17221	.16479	-.00007	.02995	.00000	-.00693	11.64066

RUN NO. 380/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.451	-6.039	-4.04122	757.93900	3.49812	514.33800	1759.39999	1.51403	110.50000	.00000	7.25400	-146.15000
1.450	-3.995	-4.00883	758.24400	3.49934	515.42200	1760.00000	1.51356	110.60000	.00000	5.70600	-134.85000
1.450	-2.016	-3.96331	758.34400	3.50348	514.92700	1760.30000	1.51387	110.10000	.00000	4.54000	-116.88000
1.451	-.049	-3.93737	757.51800	3.49958	514.24400	1758.39999	1.51393	110.10000	.00000	4.05300	-90.66000
1.450	1.995	-4.06382	756.52600	3.49719	514.35200	1756.00000	1.51351	109.90000	.00000	4.61900	-63.86000
1.450	4.011	-4.02975	757.84500	3.49815	514.93200	1759.10001	1.51367	110.50000	.00000	5.73300	-45.10000
1.450	6.037	-4.00746	758.40000	3.50311	515.22300	1760.39999	1.51372	110.20000	.00000	7.23800	-33.57000
	GRADIENT	-.00720	-.13027	-.00043	-.07679	-.30386	-.00001	-.01956	.00000	.00824	11.61364

RUN NO. 508/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.013	-4.01928	718.23100	3.29318	456.21500	1674.00000	1.53212	110.60000	.00000	7.23700	-146.20000
1.500	-4.029	-4.04633	718.88700	3.29759	456.40600	1675.60001	1.53225	110.40000	.00000	5.76700	-134.83000
1.499	-1.964	-4.05379	719.53500	3.29789	457.48800	1676.89999	1.53185	110.80000	.00000	4.60500	-115.80000
1.500	-.003	-3.97866	719.71000	3.30063	456.99200	1677.50000	1.53221	110.50000	.00000	4.10000	-90.02000
1.502	2.004	-3.95420	718.46300	3.29182	454.92700	1675.00000	1.53296	110.80000	.00000	4.53800	-63.12000
1.500	3.951	-3.94135	718.83300	3.29517	456.60500	1675.39999	1.53212	110.70000	.00000	5.64500	-44.92000
1.501	5.955	-3.96082	719.80600	3.29764	456.49600	1677.89999	1.53254	110.90000	.00000	7.16200	-33.63000
	GRADIENT	.01551	-.05868	-.00055	-.10833	-.11413	.00004	.03049	.00000	-.01742	11.66486

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R053) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 397/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETA1	PHI1
1.549	-6.027	-3.98307	689.38700	3.14835	410.24000	1618.39999	1.54920	110.20000	.00000	7.24000	-146.52000
1.551	-3.976	-3.94982	689.56700	3.14862	409.64200	1619.20000	1.54964	110.20000	.00000	5.67400	-135.12000
1.549	-1.998	-3.94703	690.38900	3.15085	411.12200	1620.60001	1.54901	110.50000	.00000	4.53500	-116.80000
1.550	-.048	-3.97905	690.49500	3.15545	410.52500	1621.20000	1.54943	109.90000	.00000	4.10900	-90.70000
1.549	1.964	-4.04124	689.33200	3.14743	410.34000	1618.20000	1.54912	110.30000	.00000	4.60400	-64.10000
1.550	4.005	-4.02131	689.50000	3.15180	410.23800	1618.70000	1.54924	109.80000	.00000	5.74400	-45.10000
1.550	6.007	-4.00808	689.47700	3.14933	409.94100	1618.80000	1.54942	110.10000	.00000	7.24000	-33.77000
	GRADIENT	-.01189	-.06050	.00012	.02008	-.17231	-.00003	-.05022	.00000	.01235	11.68010

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (84R053) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 303/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.600	-5.972	-4.00288	1.03777	.65922	.93933	.65021	.83787	-.28011	-.18766	-.27795	-.18480
.600	-3.972	-3.97511	1.05901	.70980	.90561	.69943	.88448	-.19581	-.18505	-.19388	-.18218
.600	-1.995	-3.95295	1.06482	.75477	.86476	.72865	.91153	-.10998	-.18287	-.10850	-.18027
.601	-.040	-3.94191	1.06475	.79845	.82087	.74048	.92295	-.02242	-.18248	-.02097	-.17975
.601	1.974	-4.02789	1.06184	.83917	.77433	.73064	.92043	.06484	-.18979	.06588	-.18655
.600	4.025	-4.05846	1.05589	.88542	.72753	.70645	.90019	.15789	-.19374	.15805	-.19066
.600	6.046	-4.02072	1.03403	.92152	.67741	.66207	.85779	.24412	-.19572	.24419	-.19285
	GRADIENT	-.01218	-.00047	.02182	-.02238	.00075	.00198	.04420	-.00122	.04400	-.00117

RUN NO. 466/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.800	-5.966	-3.98688	1.15163	.74813	1.01116	.74338	.91657	-.26303	-.17318	-.26241	-.17330
.799	-4.010	-4.05425	1.16466	.79119	.97665	.78202	.95682	-.18546	-.17480	-.18523	-.17517
.800	-1.978	-4.05165	1.16918	.83429	.93772	.80843	.98167	-.10343	-.17324	-.10370	-.17367
.800	.001	-3.97106	1.16860	.87538	.89669	.81928	.99117	-.02132	-.17188	-.02134	-.17218
.800	2.011	-3.95074	1.16684	.91699	.85464	.81379	.98839	.06234	-.17460	.06176	-.17493
.800	3.958	-3.95338	1.15848	.95488	.81123	.79210	.96922	.14366	-.17712	.14296	-.17764
.800	5.963	-3.93352	1.14588	.99173	.76629	.75586	.93730	.22545	-.18144	.22480	-.18204
	GRADIENT	.01520	-.00073	.02058	-.02077	.00131	.00161	.04135	-.00030	.04125	-.00031

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (84R053) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 473/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-6.001	-4.00781	1.20224	.81069	1.06227	.80589	.97344	-.25158	-.16755	-.25112	-.16800
.900	-3.994	-4.03679	1.21284	.85243	1.02806	.84373	1.00828	-.17557	-.16455	-.17547	-.16495
.900	-1.983	-4.07563	1.21726	.89206	.99030	.86609	1.03379	-.09824	-.16770	-.09820	-.16818
.901	-.002	-3.98080	1.21668	.93194	.95220	.87765	1.04079	-.02027	-.16314	-.02051	-.16400
.900	2.001	-3.93644	1.21421	.97140	.91106	.87153	1.03687	.06034	-.16535	.05961	-.16622
.900	3.964	-3.96065	1.20698	1.00700	.87059	.85171	1.02042	.13641	-.16871	.13546	-.16958
.900	6.003	-4.01423	1.19449	1.04218	.82548	.81556	.99126	.21670	-.17570	.21554	-.17656
	GRADIENT	.01465	-.00074	.01952	-.01981	.00109	.00139	.03932	-.00030	.03918	-.00037

RUN NO. 489/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.099	-5.999	-4.01507	1.32154	.96256	1.18898	.95920	1.11023	-.22642	-.15103	-.22681	-.15209
1.100	-4.016	-4.05653	1.33108	1.00019	1.15824	.99212	1.14110	-.15806	-.14899	-.15815	-.14993
1.100	-1.973	-4.07128	1.33309	1.03531	1.12361	1.01110	1.16095	-.08829	-.14985	-.08877	-.15056
1.100	-.002	-3.96794	1.33514	1.07338	1.09098	1.02344	1.17011	-.01760	-.14667	-.01819	-.14750
1.100	2.013	-4.01181	1.33349	1.10844	1.05410	1.01702	1.16774	.05434	-.15072	.05361	-.15147
1.099	3.990	-3.99204	1.32824	1.14270	1.01840	1.00059	1.15324	.12430	-.15265	.12357	-.15353
1.100	5.967	-3.92700	1.31716	1.17342	.98035	.97174	1.12649	.19307	-.15475	.19261	-.15532
	GRADIENT	.00940	-.00026	.01791	-.01746	.00116	.00157	.03537	-.00041	.03529	-.00041

RUN NO. 333/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.250	-6.021	-4.02089	1.36847	1.02498	1.26575	1.02666	1.18431	-.24077	-.15765	-.23870	-.15462
1.250	-3.981	-4.00243	1.38110	1.06475	1.23532	1.06155	1.21622	-.17058	-.15467	-.16880	-.15141
1.250	-2.002	-3.95347	1.38773	1.10278	1.20395	1.08364	1.23673	-.10117	-.15309	-.09994	-.14985
1.250	.005	-3.99170	1.38850	1.13937	1.16678	1.09183	1.24830	-.02742	-.15648	-.02652	-.15329
1.250	1.982	-4.06518	1.38533	1.17334	1.12694	1.08325	1.24740	.04640	-.16415	.04694	-.16086
1.249	4.008	-4.02061	1.37713	1.20820	1.08795	1.06645	1.23060	.12025	-.16415	.12014	-.16086
1.249	6.026	-4.02219	1.36184	1.24024	1.04617	1.03495	1.20351	.19407	-.16856	.19363	-.16510
	GRADIENT	-.00741	-.00052	.01791	-.01862	.00046	.00196	.03653	-.00150	.03631	-.00150

RUN NO. 496/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.397	-6.002	-4.01677	1.48739	1.04741	1.30030	1.04497	1.22171	-.25289	-.17674	-.25297	-.17750
1.399	-3.991	-4.02664	1.48982	1.08642	1.26014	1.07550	1.24561	-.17372	-.17012	-.17396	-.17079
1.398	-1.987	-4.07769	1.49204	1.12692	1.22250	1.09585	1.26419	-.09558	-.16835	-.09572	-.16911
1.399	.004	-3.98932	1.49379	1.16855	1.18577	1.10804	1.27145	-.01722	-.16341	-.01778	-.16443
1.398	1.996	-3.91949	1.49174	1.20763	1.14702	1.10326	1.26649	.06062	-.16323	.05977	-.16413
1.398	4.014	-3.98864	1.48625	1.24555	1.10561	1.08478	1.25394	.13994	-.16916	.13929	-.16970
1.398	6.028	-4.04612	1.48128	1.28593	1.06405	1.05572	1.23313	.22188	-.17741	.22125	-.17805
	GRADIENT	.01168	-.00037	.01995	-.01923	.00129	.00094	.03919	.00035	.03911	.00036

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R053) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 380/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.451	-6.039	-4.04122	1.49407	1.02401	1.28705	1.02095	1.21184	-.26304	-.19089	-.26277	-.19055
1.450	-3.995	-4.00883	1.50442	1.06942	1.24768	1.05473	1.24155	-.17826	-.18682	-.17836	-.18660
1.450	-2.016	-3.96331	1.50422	1.11055	1.20412	1.07322	1.25224	-.09357	-.17903	-.09337	-.17901
1.451	-.049	-3.93737	1.50559	1.15162	1.16316	1.08345	1.25504	-.01154	-.17158	-.01134	-.17172
1.450	1.995	-4.06382	1.50463	1.19665	1.12309	1.07816	1.25280	.07356	-.17464	.07335	-.17460
1.450	4.011	-4.02975	1.50131	1.23996	1.08561	1.06507	1.23857	.15435	-.17350	.15398	-.17331
1.450	6.037	-4.00746	1.49027	1.27700	1.04501	1.03802	1.21257	.23199	-.17454	.23167	-.17453
	GRADIENT	-.00720	-.00029	.02134	-.02023	.00126	-.00028	.04157	.00154	.04152	.00154

RUN NO. 508/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.500	-6.013	-4.01928	1.51928	.98279	1.26618	.98205	1.18366	-.28339	-.20160	-.28339	-.20214
1.500	-4.029	-4.04633	1.52404	1.01124	1.20946	.99632	1.19787	-.19822	-.20155	-.19841	-.20187
1.499	-1.964	-4.05379	1.52704	1.04672	1.15059	1.00402	1.20317	-.10387	-.19915	-.10422	-.19967
1.500	-.003	-3.97866	1.52717	1.09476	1.10908	1.01827	1.20847	-.01433	-.19020	-.01456	-.19071
1.502	2.004	-3.95420	1.52338	1.16262	1.08830	1.03843	1.22198	.07433	-.18356	.07367	-.18434
1.500	3.951	-3.94135	1.52263	1.19957	1.04081	1.01684	1.20483	.15876	-.18799	.15820	-.18871
1.501	5.955	-3.96082	1.51215	1.25128	1.01226	1.00502	1.19508	.24202	-.19007	.24141	-.19065
	GRADIENT	.01551	-.00032	.02471	-.02006	.00380	.00166	.04477	.00215	.04472	.00209

RUN NO. 397/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.549	-6.027	-3.98307	1.55295	.68121	1.03447	.70072	.93472	-.35326	-.23399	-.35312	-.23258
1.551	-3.976	-3.94982	1.55014	.68326	.92250	.66912	.89472	-.23924	-.22560	-.23914	-.22401
1.549	-1.998	-3.94703	1.55179	.72624	.86591	.67833	.89818	-.13966	-.21985	-.13981	-.21894
1.550	-.048	-3.97905	1.55101	.78495	.82728	.70868	.91815	-.04232	-.20947	-.04274	-.20824
1.549	1.964	-4.04124	1.55200	.82628	.76727	.68776	.92193	.05901	-.23417	.05849	-.23313
1.550	4.005	-4.02131	1.54896	.88104	.70388	.64763	.91787	.17716	-.27024	.17663	-.26906
1.550	6.007	-4.00808	1.55301	.99649	.69892	.68262	.95977	.29758	-.27715	.29696	-.27581
	GRADIENT	-.01189	-.00011	.02487	-.02691	-.00175	.00350	.05179	-.00525	.05171	-.00528

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R053) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 303/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.600	-5.972	-4.00288	.79819	.74261	.77040	.04187	.00143
.600	-3.972	-3.97511	.80674	.79052	.79863	.04234	.00108
.600	-1.995	-3.95295	.80902	.81878	.81390	.04444	.00110
.601	-.040	-3.94191	.80894	.83035	.81964	.04382	-.00176
.601	1.974	-4.02789	.80623	.82392	.81507	.04403	-.00329
.600	4.025	-4.05846	.80640	.80178	.80409	.04420	-.00124
.600	6.046	-4.02072	.79943	.75850	.77896	.04184	-.00101
	GRADIENT	-.01218	-.00018	.00134	.00058	.00017	-.00045

RUN NO. 466/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.800	-5.966	-3.98688	.87933	.83003	.85468	.03939	-.00136
.799	-4.010	-4.05425	.88380	.86960	.87670	.03957	-.00015
.800	-1.978	-4.05165	.88614	.89527	.89070	.04103	.00125
.800	.001	-3.97106	.88605	.90538	.89571	.04158	-.00038
.800	2.011	-3.95074	.08611	.90125	.89368	.04155	-.00155
.800	3.958	-3.95338	.88340	.88092	.88216	.04138	-.00168
.800	5.963	-3.93352	.87933	.84687	.86310	.04054	-.00245
	GRADIENT	.01520	-.00004	.00146	.00071	.00021	-.00029

RUN NO. 473/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-6.001	-4.00781	.93625	.88988	.91307	.03752	.00268
.900	-3.994	-4.03679	.94022	.92621	.93321	.03801	-.00081
.900	-1.983	-4.07563	.94116	.95017	.94567	.03876	.00032
.901	-.002	-3.98080	.94219	.95965	.95092	.03989	.00113
.900	2.001	-3.93644	.94160	.95464	.94812	.03933	-.00179
.900	3.964	-3.96065	.93927	.93650	.93788	.03871	-.00241
.900	6.003	-4.01423	.93441	.90384	.91912	.03954	-.00393
	GRADIENT	.01465	-.00007	.00127	.00060	.00010	-.00027

RUN NO. 489/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.099	-5.999	-4.01507	1.07597	1.03524	1.05561	.03494	.00167
1.100	-4.016	-4.05653	1.07926	1.06708	1.07317	.03399	-.00006
1.100	-1.973	-4.07128	1.07970	1.08638	1.08304	.03484	.00098
1.100	-.002	-3.96794	1.08248	1.09719	1.08983	.03601	-.00002
1.100	2.013	-4.01181	1.08164	1.09275	1.08719	.03548	-.00207
1.099	3.990	-3.99204	1.08091	1.07736	1.07914	.03516	-.00069
1.100	5.967	-3.92700	1.07711	1.04940	1.06326	.03478	-.00101
	GRADIENT	.00940	.00026	.00136	.00081	.00015	-.00022

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R053) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 333/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.250	-6.021	-4.02089	1.14433	1.10397	1.12415	.03423	.00167
1.250	-3.981	-4.00243	1.14915	1.13725	1.14320	.03432	.00138
1.250	-2.002	-3.95347	1.15275	1.15856	1.15566	.03565	-.00012
1.250	.005	-3.99170	1.15263	1.16847	1.16055	.03724	-.00366
1.250	1.982	-4.06518	1.14987	1.16368	1.15677	.03662	-.00189
1.249	4.008	-4.02061	1.14813	1.14688	1.14750	.03612	-.00036
1.249	6.026	-4.02219	1.14342	1.11750	1.13046	.03658	-.00297
	GRADIENT	-.00741	-.00025	.00121	.00048	.00023	-.00026

RUN NO. 496/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.397	-6.002	-4.01677	1.17389	1.13372	1.15381	.03935	.00414
1.399	-3.991	-4.02664	1.17340	1.16090	1.16715	.03913	.00172
1.398	-1.987	-4.07769	1.17478	1.18040	1.17759	.03910	.00150
1.399	.004	-3.98932	1.17744	1.19025	1.18385	.03904	.00187
1.398	1.996	-3.91949	1.17774	1.18532	1.18153	.03896	-.00149
1.398	4.014	-3.98864	1.17590	1.16963	1.17277	.04008	-.00372
1.398	6.028	-4.04612	1.17531	1.14475	1.16003	.04102	-.00436
	GRADIENT	.01168	.00040	.00112	.00076	.00009	-.00069

RUN NO. 380/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.451	-6.039	-4.04122	1.15539	1.11622	1.13581	.04075	.00151
1.450	-3.995	-4.00883	1.15860	1.14803	1.15331	.04238	.00276
1.450	-2.016	-3.96331	1.15723	1.16272	1.15998	.04253	.00477
1.451	-.049	-3.93737	1.15729	1.16931	1.16330	.04148	.00081
1.450	1.995	-4.06382	1.15998	1.16546	1.16272	.04093	-.00091
1.450	4.011	-4.02975	1.16297	1.15173	1.15735	.03902	.00055
1.450	6.037	-4.00746	1.16117	1.12528	1.14322	.03801	-.00117
	GRADIENT	-.00720	.00058	.00049	.00053	-.00042	-.00050

RUN NO. 508/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	PBA	CPABA	DCPBU	DCPRL
1.500	-6.013	-4.01928	1.12448	1.08312	1.10380	.04214	.00015
1.500	-4.029	-4.04633	1.11045	1.09725	1.10385	.04423	.00012
1.499	-1.964	-4.05379	1.09883	1.10386	1.10134	.04626	.00296
1.500	-.003	-3.97866	1.10204	1.11362	1.10783	.04476	.00508
1.502	2.004	-3.95420	1.12579	1.13060	1.12819	.04371	-.00002
1.500	3.951	-3.94135	1.12047	1.11119	1.11583	.04255	-.00235
1.501	5.955	-3.96082	1.13358	1.10034	1.11696	.04102	-.00028
	GRADIENT	.01551	.00235	.00276	.00255	-.00029	-.00039

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R053) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 397/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.549	-6.027	-3.98307	.85777	.81702	.83739	.05702	.00514
1.551	-3.976	-3.94982	.80283	.78113	.79198	.05267	.00227
1.549	-1.998	-3.94703	.79615	.78780	.79198	.04953	.00592
1.550	-.048	-3.97905	.80632	.81280	.80956	.04925	-.00170
1.549	1.964	-4.04124	.79703	.80433	.80068	.05382	-.01931
1.550	4.005	-4.02131	.79273	.78216	.78744	.06001	-.01096
1.550	6.007	-4.00808	.84801	.82053	.83427	.06015	.00042
	GRADIENT	-.01189	-.00098	.00089	-.00004	.00096	-.00259

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R054) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 4.002 BETA = -4.000
PHI = .000

RUN NO. 328/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.989	-3.99723	698.68300	3.99949	1231.09000	2083.10001	1.21944	109.80000	.00000	7.23000	-146.23000
.900	-4.024	-4.03334	698.70700	4.00225	1232.78000	2084.60001	1.21914	109.70000	.00000	5.77400	-134.87000
.900	-1.984	-3.92060	699.37200	4.00252	1233.17000	2085.89999	1.21928	110.00000	.00000	4.51300	-116.77000
.899	.010	-4.03974	698.66300	4.00130	1233.78000	2085.39999	1.21893	109.90000	.00000	4.17200	-89.85000
.900	1.963	-4.01210	698.97300	4.00028	1233.37000	2085.50000	1.21912	110.10000	.00000	4.58400	-63.96000
.900	4.003	-4.03073	698.99200	4.00327	1233.57001	2085.70001	1.21907	109.80000	.00000	5.75800	-45.23000
.900	5.992	-3.99604	699.77700	4.00561	1233.75000	2087.00000	1.21932	109.90000	.00000	7.23100	-33.73000
	GRADIENT	-.00427	.00877	-.00001	.08934	.09061	-.00001	.01496	.00000	.00151	11.59812

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R054) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.002 BETA = -4.000
PHI = .000

RUN NO. 328/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-5.989	-3.99723	1.16464	.80970	1.06202	.80460	.97680	-.25232	-.17220	-.24986	-.16939
.900	-4.024	-4.03334	1.17702	.85144	1.02894	.84188	1.00997	-.17749	-.16808	-.17560	-.16521
.900	-1.984	-3.92060	1.18358	.89510	.99496	.86979	1.03289	-.09986	-.16310	-.09822	-.16062
.899	.010	-4.03974	1.18371	.93010	.95356	.87676	1.04585	-.02346	-.16910	-.02226	-.16642
.900	1.963	-4.01210	1.18240	.96936	.91467	.87170	1.04291	.05469	-.17120	.05530	-.16832
.900	4.003	-4.03073	1.17392	1.00563	.87073	.84947	1.02465	.13490	-.17517	.13538	-.17256
.900	5.992	-3.99604	1.15997	1.04078	.82850	.81715	.99405	.21228	-.17690	.21240	-.17450
	GRADIENT	-.00427	-.00037	.01913	-.01983	.00086	.00197	.03896	-.00111	.03877	-.00112

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R054) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.002 BETA = -4.000
PHI = .000

RUN NO. 328/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-5.989	-3.99723	.93463	.88930	.91196	.03773	.00169
.900	-4.024	-4.03334	.93925	.92448	.93187	.03790	.00302
.900	-1.984	-3.92060	.94421	.95010	.94715	.03781	-.00067
.899	.010	-4.03974	.94123	.95997	.95060	.03897	-.00243
.900	1.963	-4.01210	.94171	.95586	.94879	.03976	-.00120
.900	4.003	-4.03073	.93794	.93575	.93685	.03889	-.00185
.900	5.992	-3.99604	.93458	.90440	.91949	.03866	-.00054
	GRADIENT	-.00427	-.00025	.00142	.00058	.00019	-.00052

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R055) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 304/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-5.984	-2.01095	497.51300	3.85106	1974.70000	2518.60001	1.09322	110.20000	.00000	6.44200	-161.37000
.600	-4.027	-2.01500	496.90400	3.84612	1970.92999	2514.20001	1.09331	110.10000	.00000	4.66600	-153.34000
.601	-1.998	-2.00085	499.08900	3.85554	1972.46001	2518.29999	1.09367	110.30000	.00000	3.02700	-134.77000
.600	-.004	-2.01607	498.17500	3.85324	1973.67999	2518.39999	1.09341	110.20000	.00000	2.24200	-90.15000
.600	1.989	-1.98911	498.29300	3.85310	1974.97000	2519.79999	1.09339	110.40000	.00000	3.01200	-45.22000
.600	3.975	-1.98841	496.91800	3.84409	1971.53000	2514.79999	1.09326	110.40000	.00000	4.60800	-26.67000
.599	5.971	-1.98679	496.73500	3.84482	1974.52000	2517.50000	1.09310	110.50000	.00000	6.42100	-18.46000
	GRADIENT	.00325	-.03726	-.00032	.18689	.13771	-.00002	.03506	.00000	-.00778	17.14939

RUN NO. 467/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-5.951	-2.02906	627.35100	3.88807	1400.24001	2134.50000	1.17041	110.00000	.00000	6.38100	-161.13000
.800	-4.004	-2.01080	627.22600	3.88622	1400.64000	2134.70001	1.17033	110.20000	.00000	4.61900	-153.29000
.800	-1.971	-1.91715	627.37000	3.88669	1400.53999	2134.79993	1.17038	110.20000	.00000	2.93400	-135.68000
.800	-.007	-1.99388	627.25800	3.88684	1401.14000	2135.20001	1.17027	110.20000	.00000	2.20700	-90.26000
.800	1.999	-2.00629	627.00100	3.88795	1400.64999	2134.39999	1.17025	109.90000	.00000	3.01400	-45.27000
.800	4.003	-1.99716	627.33200	3.88595	1399.94000	2134.20001	1.17045	110.20000	.00000	4.60900	-26.58000
.800	5.951	-1.98662	627.00000	3.88502	1399.45000	2133.29999	1.17041	110.10000	.00000	6.36500	-18.48000
	GRADIENT	-.00304	-.00776	.00004	-.06478	-.07014	.00001	-.01499	.00000	.00278	17.19590

RUN NO. 474/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.044	-1.99722	699.59000	4.00256	1233.25999	2086.29999	1.21934	110.10000	.00000	6.42400	-161.69000
.900	-4.032	-2.02076	699.48900	3.99897	1233.66000	2086.50000	1.21923	110.50000	.00000	4.62300	-153.35000
.900	-2.023	-2.01037	699.00200	3.99799	1233.67000	2085.79999	1.21907	110.40000	.00000	3.01800	-135.06000
.900	-.011	-2.00728	699.11200	3.99991	1233.37000	2085.70001	1.21916	110.20000	.00000	2.20900	-90.29000
.899	2.006	-2.02257	698.23900	3.99522	1232.99001	2084.10001	1.21892	110.30000	.00000	3.01800	-45.31000
.900	3.973	-1.99901	698.44800	3.98971	1232.99001	2084.39999	1.21900	111.00000	.00000	4.56600	-26.71000
.900	6.039	-2.00993	698.31100	3.99387	1232.28999	2083.60001	1.21910	110.40000	.00000	6.42700	-18.40000
	GRADIENT	.00155	-.14216	-.00106	-.10088	-.29476	-.00003	.04456	.00000	-.00674	17.12390

RUN NO. 490/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-5.969	-1.98664	760.07900	3.87453	897.34300	1916.00000	1.33749	110.60000	.00000	6.30100	-161.58000
1.100	-3.954	-1.97796	760.38800	3.87999	898.03400	1917.00000	1.33736	110.20000	.00000	4.50100	-153.39000
1.100	-1.984	-1.92317	759.66700	3.87681	897.64800	1915.50000	1.33719	110.20000	.00000	2.90900	-135.76000
1.100	-.004	-1.99035	758.83500	3.87194	896.07300	1913.00000	1.33741	110.20000	.00000	2.17700	-90.02000
1.099	2.006	-2.01137	760.77300	3.88263	899.12000	1918.39999	1.33713	110.20000	.00000	2.98800	-45.11000
1.100	3.964	-2.00565	760.03800	3.87656	897.74100	1916.20000	1.33733	110.40000	.00000	4.52700	-26.80000
1.100	5.974	-1.99982	759.88300	3.87399	897.54500	1915.80000	1.33733	110.60000	.00000	6.31500	-18.46000
	GRADIENT	-.00726	.02123	-.00005	.04579	.06760	-.00001	.02014	.00000	.00679	17.35078

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R055) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 334/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-5.999	-1.99683	808.07100	3.90752	739.21900	1913.89999	1.42313	109.40000	.00000	6.33200	-161.61000
1.249	-4.032	-2.02315	806.24000	3.89963	737.85600	1909.70000	1.42301	109.30000	.00000	4.58900	-153.36000
1.250	-1.979	-1.97965	808.90600	3.91138	739.80200	1915.80000	1.42322	109.40000	.00000	2.94500	-134.91000
1.250	-.004	-1.99636	809.04400	3.91041	740.09700	1916.20000	1.42314	109.60000	.00000	2.18300	-90.16000
1.250	1.956	-2.09410	807.36600	3.90247	738.73300	1912.30000	1.42307	109.60000	.00000	3.01100	-47.10000
1.250	4.017	-2.00362	807.78000	3.90609	738.92600	1913.20000	1.42315	109.40000	.00000	4.56800	-26.56000
1.250	6.013	-1.99708	808.21600	3.90609	739.01900	1914.10001	1.42328	109.60000	.00000	6.34400	-18.39000
	GRADIENT	-.00365	.07900	.00019	.05496	.17955	.00001	.01984	.00000	.00109	17.01982

RUN NO. 497/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.399	-5.962	-1.99761	761.88600	3.54977	556.35300	1767.20000	1.49305	110.10000	.00000	6.31300	-161.50000
1.398	-3.992	-1.99838	761.36100	3.54516	556.35800	1766.00000	1.49286	110.40000	.00000	4.55400	-153.42000
1.399	-2.026	-1.94827	761.20000	3.54313	555.66800	1765.60001	1.49316	110.50000	.00000	2.96300	-136.05000
1.399	-.006	-2.04729	761.67800	3.54440	555.86100	1766.70000	1.49324	110.60000	.00000	2.23800	-90.18000
1.400	1.975	-1.98305	761.59900	3.54458	555.46700	1766.50000	1.49341	110.50000	.00000	2.95500	-45.27000
1.400	3.954	-1.99116	761.68600	3.54329	555.46600	1766.70000	1.49346	110.70000	.00000	4.52300	-26.76000
1.398	6.043	-2.02565	761.49400	3.54480	556.25800	1766.30000	1.49296	110.50000	.00000	6.40000	-18.54000
	GRADIENT	-.00106	.05289	-.00011	-.09961	.11598	.00007	.03015	.00000	-.00371	17.30547

RUN NO. 379/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-5.968	-1.99255	757.23300	3.49521	514.34500	1757.70000	1.51377	110.50000	.00000	6.32100	-161.52000
1.450	-3.994	-1.99224	757.41400	3.49780	514.63900	1758.10001	1.51368	110.30000	.00000	4.55700	-153.44000
1.450	-1.979	-1.98899	757.55400	3.49859	514.93400	1758.39999	1.51356	110.30000	.00000	2.96100	-134.71000
1.450	.011	-2.02537	757.63200	3.49966	514.83500	1758.60001	1.51364	110.20000	.00000	2.21800	-89.64000
1.449	1.955	-1.92494	757.73500	3.50037	515.22900	1758.80000	1.51347	110.20000	.00000	2.90300	-44.65000
1.450	3.989	-1.99049	757.51700	3.50342	515.03300	1758.30000	1.51349	109.70000	.00000	4.55400	-26.49000
1.449	5.955	-1.98300	757.47600	3.50243	515.03400	1758.20000	1.51348	109.80000	.00000	6.30900	-18.39000
	GRADIENT	.00333	.01936	.00065	.05426	.04000	-.00002	-.06547	.00000	-.00336	17.26823

RUN NO. 509/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.499	-5.963	-1.98324	718.33400	3.29605	456.41200	1674.20000	1.53204	110.30000	.00000	6.32600	-161.59000
1.499	-3.971	-2.00054	718.21600	3.29401	456.41300	1673.89999	1.53200	110.50000	.00000	4.54800	-153.22000
1.500	-1.960	-1.91211	717.92000	3.29228	455.62500	1673.39999	1.53235	110.50000	.00000	2.90000	-135.57000
1.500	-.013	-2.06146	719.27900	3.29864	456.69900	1676.50000	1.53223	110.50000	.00000	2.25700	-90.29000
1.502	1.969	-1.97257	718.48900	3.29418	454.82700	1675.10001	1.53303	110.50000	.00000	2.95200	-45.14000
1.500	3.964	-1.98750	719.30300	3.29733	456.89700	1676.50000	1.53213	110.70000	.00000	4.54100	-26.64000
1.500	5.991	-2.00042	719.93500	3.29919	456.89100	1678.10001	1.53236	110.80000	.00000	6.36000	-18.46000
	GRADIENT	-.00167	.13820	.00043	.00849	.34766	.00005	.02023	.00000	.00197	17.34324

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R055) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 396/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-6.037	-2.00866	688.68400	3.14565	409.35400	1617.00000	1.54949	110.10000	.00000	6.41200	-161.50000
1.549	-4.011	-1.99031	689.23800	3.14623	410.24100	1618.00000	1.54914	110.40000	.00000	4.58700	-153.49000
1.549	-1.966	-1.96445	690.57900	3.15546	411.31800	1621.00000	1.54896	110.00000	.00000	2.94600	-134.77000
1.550	.017	-2.05264	689.55500	3.15124	410.13800	1618.89999	1.54932	109.90000	.00000	2.25200	-89.50000
1.550	1.963	-1.93372	689.50000	3.14735	410.23800	1618.70000	1.54924	110.40000	.00000	2.92400	-44.62000
1.550	3.998	-2.00606	689.90900	3.15048	410.03500	1619.89999	1.54952	110.20000	.00000	4.58400	-26.67000
1.549	5.987	-2.00202	689.29500	3.14579	410.34000	1618.10001	1.54909	110.50000	.00000	6.36500	-18.42000
	GRADIENT	-.00009	.01421	.00003	-.07411	.07756	.00005	-.00053	.00000	-.00221	17.21375

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R055) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 304/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.600	-5.984	-2.01095	1.05043	.68645	.96079	.70036	.80035	-.27434	-.09998	-.27206	-.09712
.600	-4.027	-2.01500	1.06538	.73434	.92674	.74611	.84353	-.19240	-.09742	-.19085	-.09469
.601	-1.998	-2.00085	1.06731	.77989	.88599	.77414	.87304	-.10610	-.09890	-.10448	-.09584
.600	-.004	-2.01607	1.06794	.82554	.84251	.78356	.88878	-.01697	-.10522	-.01582	-.10258
.600	1.989	-1.98911	1.06567	.86906	.79691	.77627	.88068	.07214	-.10440	.07243	-.10228
.600	3.975	-1.98841	1.05830	.90841	.75137	.75095	.85680	.15704	-.10586	.15682	-.10371
.599	5.971	-1.98679	1.04516	.94692	.70583	.71003	.81762	.24109	-.10760	.24066	-.10525
	GRADIENT	.00325	-.00079	.02188	-.02200	.00061	.00173	.04388	-.00112	.04363	-.00122

RUN NO. 467/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.800	-5.951	-2.02906	1.15688	.77009	1.02547	.78851	.87945	-.25538	-.09095	-.25503	-.09133
.800	-4.004	-2.01080	1.16739	.81412	.99421	.82784	.91683	-.18009	-.08898	-.17983	-.08910
.800	-1.971	-1.91715	1.17066	.85796	.95749	.85498	.94069	-.09953	-.08571	-.09959	-.08648
.800	-.007	-1.99388	1.17160	.89939	.91726	.86265	.95559	-.01787	-.09294	-.01821	-.09333
.800	1.999	-2.00629	1.16971	.93960	.87447	.85460	.95276	.06514	-.09816	.06433	-.09858
.800	4.003	-1.99716	1.16337	.97765	.83132	.83190	.93214	.14633	-.10024	.14581	-.10102
.800	5.951	-1.98662	1.15089	1.01223	.78615	.79501	.89788	.22608	-.10287	.22520	-.10354
	GRADIENT	-.00304	-.00045	.02045	-.02046	.00039	.00214	.04091	-.00175	.04079	-.00180

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R055) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 474/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-6.044	-1.99722	1.20639	.82953	1.07686	.84836	.93444	-.24733	-.08608	-.24680	-.08686
.900	-4.032	-2.02076	1.21578	.87243	1.04493	.88583	.97081	-.17244	-.08498	-.17195	-.08555
.900	-2.023	-2.01037	1.21951	.91415	1.01042	.91006	.99530	-.09628	-.08525	-.09623	-.08582
.900	-.011	-2.00728	1.21959	.95298	.97156	.91770	1.00680	-.01857	-.08910	-.01881	-.09014
.899	2.006	-2.02257	1.21871	.99318	.93035	.91063	1.00436	.06283	-.09372	.06204	-.09471
.900	3.973	-1.99901	1.21360	1.02905	.89094	.89205	.98637	.13811	-.09432	.13718	-.09518
.900	6.039	-2.00993	1.20169	1.06308	.84691	.85662	.95340	.21617	-.09678	.21537	-.09760
	GRADIENT	.00155	-.00025	.01957	-.01936	.00066	.00202	.03893	-.00136	.03875	-.00141

RUN NO. 490/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.100	-5.969	-1.98664	1.32690	.98264	1.20171	1.00020	1.07773	-.21908	-.07753	-.21922	-.07793
1.100	-3.954	-1.97796	1.33508	1.02094	1.17342	1.03297	1.10859	-.15248	-.07562	-.15272	-.07616
1.100	-1.984	-1.92317	1.33827	1.05811	1.14334	1.05493	1.12842	-.08523	-.07346	-.08539	-.07422
1.100	-.004	-1.99035	1.33704	1.09192	1.10667	1.05919	1.13854	-.01475	-.07936	-.01501	-.08044
1.099	2.006	-2.01137	1.33660	1.12751	1.07111	1.05346	1.13596	.05641	-.08250	.05578	-.08342
1.100	3.964	-2.00565	1.33278	1.16048	1.03569	1.03726	1.12089	.12479	-.08363	.12413	-.08442
1.100	5.974	-1.99982	1.32216	1.19049	.99684	1.00642	1.09366	.19364	-.08724	.19292	-.08805
	GRADIENT	-.00726	-.00032	.01758	-.01754	.00036	.00162	.03512	-.00127	.03505	-.00130

RUN NO. 334/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.250	-5.999	-1.99683	1.37458	1.04463	1.27847	1.06948	1.15128	-.23384	-.08180	-.23214	-.07829
1.249	-4.032	-2.02315	1.38589	1.08271	1.25121	1.10159	1.18233	-.16849	-.08073	-.16692	-.07705
1.250	-1.979	-1.97965	1.38777	1.11956	1.21690	1.12160	1.20189	-.09734	-.08029	-.09587	-.07664
1.250	-.004	-1.99636	1.38663	1.15480	1.18019	1.12568	1.21350	-.02539	-.08782	-.02440	-.08453
1.250	1.956	-2.09410	1.38741	1.19153	1.14308	1.11965	1.21416	.04844	-.09451	.04865	-.09142
1.250	4.017	-2.00362	1.38374	1.22933	1.10459	1.10425	1.19717	.12474	-.09292	.12477	-.08972
1.250	6.013	-1.99708	1.37023	1.26010	1.06409	1.07378	1.16857	.19601	-.09479	.19571	-.09125
	GRADIENT	-.00365	-.00023	.01823	-.01832	.00017	.00209	.03655	-.00192	.03633	-.00200

RUN NO. 497/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.399	-5.962	-1.99761	1.48942	1.06387	1.31129	1.08695	1.18095	-.24742	-.09400	-.24763	-.09456
1.398	-3.992	-1.99838	1.49166	1.10501	1.27471	1.11868	1.20772	-.16969	-.08905	-.17004	-.08963
1.399	-2.026	-1.94827	1.49220	1.14494	1.23746	1.13964	1.22335	-.09253	-.08371	-.09298	-.08457
1.399	-.006	-2.04729	1.49006	1.18296	1.19850	1.14417	1.23340	-.01554	-.08923	-.01579	-.09018
1.400	1.975	-1.98305	1.49142	1.22156	1.16112	1.14095	1.22920	.06045	-.08825	.05990	-.08916
1.400	3.954	-1.99116	1.48883	1.25919	1.12181	1.12533	1.21560	.13737	-.09027	.13662	-.09114
1.398	6.043	-2.02565	1.48463	1.30038	1.08031	1.09632	1.19261	.22007	-.09629	.21930	-.09684
	GRADIENT	-.00106	-.00032	.01935	-.01921	.00073	.00109	.03856	-.00035	.03852	-.00038

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R055) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 379/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.450	-5.968	-1.99255	1.50056	1.04430	1.30185	1.06663	1.17284	-.25754	-.10621	-.25727	-.10605
1.450	-3.994	-1.99224	1.50629	1.08251	1.26001	1.09270	1.19818	-.17749	-.10548	-.17749	-.10508
1.450	-1.979	-1.98899	1.50918	1.12364	1.21539	1.11020	1.21198	-.09175	-.10177	-.09184	-.10199
1.450	.011	-2.02537	1.50829	1.16531	1.17159	1.11750	1.21233	-.00628	-.09483	-.00647	-.09446
1.449	1.955	-1.92494	1.50834	1.20790	1.13731	1.12095	1.20590	.07059	-.08495	.06992	-.08453
1.450	3.989	-1.99049	1.50415	1.25053	1.09873	1.10667	1.19416	.15180	-.08749	.15131	-.08744
1.449	5.955	-1.98300	1.49523	1.29001	1.06226	1.08233	1.17248	.22775	-.09015	.22753	-.09023
	GRADIENT	.00332	-.00026	.02112	-.02013	.00194	-.00071	.04125	.00265	.04118	.00264

RUN NO. 509/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.499	-5.963	-1.98324	1.52265	.99576	1.27431	1.02448	1.13610	-.27855	-.11162	-.27860	-.11216
1.499	-3.971	-2.00054	1.52674	1.01810	1.21335	1.03248	1.14393	-.19525	-.11145	-.19557	-.11215
1.500	-1.960	-1.91211	1.52581	1.05331	1.15842	1.04161	1.14898	-.10511	-.10736	-.10516	-.10782
1.500	-.013	-2.06146	1.52604	1.09037	1.10445	1.03741	1.15066	-.01409	-.11325	-.01410	-.11393
1.502	1.969	-1.97257	1.52230	1.13990	1.06432	1.04129	1.14449	.07558	-.10321	.07497	-.10376
1.500	3.964	-1.98750	1.52292	1.20232	1.04241	1.04798	1.14859	.15991	-.10061	.15930	-.10105
1.500	5.991	-2.00042	1.51470	1.25456	1.00945	1.03081	1.13615	.24512	-.10534	.24439	-.10576
	GRADIENT	-.00167	-.00056	.02299	-.02202	.00155	.00025	.04500	.00131	.04494	.00133

RUN NO. 396/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.550	-6.037	-2.00866	1.55024	.66730	1.00597	.72629	.85300	-.33867	-.12671	-.33837	-.12538
1.549	-4.011	-1.99031	1.55168	.69002	.91454	.71481	.83072	-.22453	-.11591	-.22430	-.11477
1.549	-1.966	-1.96445	1.55564	.83621	.94042	.82603	.91951	-.10421	-.09348	-.10450	-.09233
1.550	.017	-2.05264	1.55418	.96543	.99148	.92692	1.01862	-.02605	-.09170	-.02659	-.09096
1.550	1.963	-1.93372	1.55430	.97509	.92784	.89140	1.00015	.04725	-.10875	.04638	-.10791
1.550	3.998	-2.00606	1.54992	.89285	.72077	.69889	.87045	.17208	-.17156	.17145	-.17034
1.549	5.987	-2.00202	1.54995	.97130	.68100	.69819	.87201	.29030	-.17383	.28962	-.17282
	GRADIENT	-.00009	-.00024	.02733	-.02006	.00170	.00804	.04739	-.00634	.04728	-.00634

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R055) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 304/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.600	-5.984	-2.01095	.82247	.74892	.78570	.04133	.00145
.600	-4.027	-2.01500	.82977	.79345	.81161	.04179	.00083
.601	-1.998	-2.00085	.83213	.82206	.82710	.04363	-.00273
.600	-.004	-2.01607	.83345	.83485	.83415	.04482	-.00181
.600	1.989	-1.98911	.83284	.82742	.83013	.04337	.00028
.600	3.975	-1.98641	.83000	.80280	.81640	.04204	-.00103
.599	5.971	-1.98679	.82659	.76265	.79462	.04200	-.00065
	GRADIENT	.00325	.00006	.00122	.00064	.00001	-.00004

RUN NO. 467/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.800	-5.951	-2.02906	.89761	.83417	.86589	.03856	.00076
.800	-4.004	-2.01080	.90404	.87239	.88822	.03877	.00192
.800	-1.971	-1.91715	.90775	.89822	.90299	.04060	-.00120
.800	-.007	-1.99388	.90850	.90932	.90891	.04159	-.00388
.800	1.999	-2.00629	.90744	.90389	.90567	.04080	-.00162
.800	4.003	-1.99716	.90475	.88240	.89358	.04067	-.00114
.800	5.951	-1.98662	.89963	.84678	.87320	.04078	-.00137
	GRADIENT	-.00304	.00006	.00129	.00067	.00020	-.00033

RUN NO. 474/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-6.044	-1.99722	.95293	.89179	.92236	.03710	.00073
.900	-4.032	-2.02076	.95846	.92861	.94354	.03744	.00049
.900	-2.023	-2.01037	.96226	.95297	.95761	.03787	-.00115
.900	-.011	-2.00728	.96239	.96277	.96258	.03961	-.00275
.899	2.006	-2.02257	.96215	.95799	.96007	.03936	-.00108
.900	3.973	-1.99901	.96046	.93964	.95005	.03771	-.00038
.900	6.039	-2.00993	.95540	.90542	.93041	.03792	-.00156
	GRADIENT	.00155	.00020	.00137	.00078	.00010	-.00008

RUN NO. 490/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.100	-5.969	-1.98664	1.09225	1.03916	1.06571	.03279	.00053
1.100	-3.954	-1.97796	1.09730	1.07105	1.08418	.03344	.00158
1.100	-1.984	-1.92317	1.10081	1.09207	1.09644	.03505	-.00125
1.100	-.004	-1.99035	1.09942	1.09941	1.09942	.03555	-.00305
1.099	2.006	-2.01137	1.09962	1.09517	1.09739	.03506	-.00046
1.100	3.964	-2.00565	1.09841	1.07947	1.08894	.03457	-.00107
1.100	5.974	-1.99982	1.09403	1.05045	1.07224	.03404	-.00217
	GRADIENT	-.00726	.00005	.00100	.00053	.00011	-.00023

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R055) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 334/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.250	-5.999	-1.99683	1.16070	1.10862	1.13456	.03287	.00046
1.249	-4.032	-2.02315	1.16617	1.14011	1.15314	.03373	.00098
1.250	-1.979	-1.97965	1.16749	1.15992	1.16371	.03545	-.00180
1.250	-.004	-1.99636	1.16700	1.16794	1.16747	.03689	-.00491
1.250	1.956	-2.09410	1.16720	1.16536	1.16628	.03739	-.00100
1.250	4.017	-2.00362	1.16695	1.14911	1.15803	.03621	.00064
1.250	6.013	-1.99708	1.16224	1.11941	1.14082	.03520	-.00147
	GRADIENT	-.00365	.00006	.00117	.00062	.00034	.00001

RUN NO. 497/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.399	-5.962	-1.99761	1.18768	1.13423	1.16096	.03937	.00203
1.398	-3.992	-1.99838	1.19003	1.16350	1.17676	.03942	.00344
1.399	-2.026	-1.94827	1.19143	1.18193	1.18668	.03871	-.00055
1.399	-.006	-2.04729	1.19085	1.18926	1.19006	.03805	-.00169
1.400	1.975	-1.98305	1.19161	1.18553	1.18857	.03840	.00060
1.400	3.954	-1.99116	1.19088	1.17090	1.18089	.03920	-.00219
1.398	6.043	-2.02565	1.19073	1.14474	1.16773	.03979	-.00300
	GRADIENT	-.00106	.00009	.00093	.00051	-.00004	-.00051

RUN NO. 379/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.450	-5.968	-1.99255	1.17294	1.11965	1.14629	.03996	.00031
1.450	-3.994	-1.99224	1.17126	1.14524	1.15825	.04132	.00084
1.450	-1.979	-1.98899	1.16956	1.16119	1.16538	.04349	.00239
1.450	.011	-2.02537	1.16855	1.16473	1.16664	.04093	.00558
1.449	1.955	-1.92494	1.17294	1.16322	1.16808	.03932	.00203
1.450	3.989	-1.99049	1.17487	1.15039	1.16263	.03966	-.00240
1.449	5.955	-1.98300	1.17625	1.12744	1.15184	.03830	-.00093
	GRADIENT	.00333	.00053	.00062	.00058	-.00037	-.00034

RUN NO. 509/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.499	-5.963	-1.98324	1.13506	1.08056	1.10781	.04096	-.00113
1.499	-3.971	-2.00054	1.11589	1.08855	1.10222	.04313	.00227
1.500	-1.960	-1.91211	1.10589	1.09552	1.10070	.04644	-.00151
1.500	-.013	-2.06146	1.09742	1.09438	1.09590	.04633	.00056
1.502	1.969	-1.97257	1.10241	1.09317	1.09779	.04337	.00505
1.500	3.964	-1.98750	1.12267	1.09851	1.11059	.04184	-.00126
1.500	5.991	-2.00042	1.13236	1.08369	1.10803	.04206	-.00285
	GRADIENT	-.00167	.00051	.00089	.00070	-.00028	-.00003

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R055) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 396/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.550	-6.037	-2.00866	.83648	.78898	.81273	.05445	.00299
1.549	-4.011	-1.99031	.80216	.77220	.78718	.06000	.00973
1.549	-1.966	-1.96445	.88846	.87220	.88033	.05015	.00667
1.550	.017	-2.05264	.97873	.97240	.97556	.03257	-.00170
1.550	1.963	-1.93372	.95190	.94536	.94863	.04988	-.02390
1.550	3.998	-2.00606	.80712	.78406	.79559	.06385	-.01982
1.549	5.987	-2.00202	.82650	.78460	.80555	.05719	.00804
	GRADIENT	-.00009	.00369	.00487	.00428	.00036	-.00448

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R056) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.006 BETA = -2.000
PHI = .000

RUN NO. 329/ 0 RN/L = 4.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.899	-6.001	-2.03978	699.07900	4.00273	1234.47000	2086.60001	1.21893	110.00000	.00000	6.40000	-161.19000
.901	-3.957	-1.97855	700.94000	4.00990	1233.53000	2088.50000	1.21975	109.90000	.00000	4.54200	-153.38000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R056) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.006 BETA = -2.000
PHI = .000

RUN NO. 329/ 0 RN/L = 4.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.899	-6.001	-2.03978	1.17193	.82924	1.07830	.84886	.94036	-.24906	-.09150	-.24656	-.08887
.901	-3.957	-1.97855	1.18388	.87414	1.04692	.88965	.97478	-.17278	-.08514	-.17076	-.08237
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R056) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 4.006 BETA = -2.000
PHI = .000

RUN NO. 329/ 0 RN/L = 4.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.899	-6.001	-2.03978	.95251	.89329	.92290	.03709	.00318
.901	-3.957	-1.97855	.95952	.93083	.94518	.03709	.00318
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R057) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 305/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-5.989	.00408	498.07000	3.85495	1976.37000	2520.89999	1.09328	110.20000	.00000	-5.63500	.00000
.600	-3.996	.00254	497.00700	3.84911	1975.11000	2518.39999	1.09312	110.20000	.00000	-3.67600	.00000
.599	-1.979	.00097	496.37400	3.84520	1973.83000	2516.39999	1.09307	110.20000	.00000	-1.69600	.00000
.601	.008	-.00047	497.68900	3.84748	1971.41000	2515.60001	1.09343	110.40000	.00000	.25100	.00000
.601	1.986	.00173	497.67600	3.84617	1970.91000	2515.10001	1.09344	110.50000	.00000	2.19100	.00000
.601	3.996	.00106	498.73100	3.85430	1971.88000	2517.29999	1.09360	110.20000	.00000	4.16400	.00000
.600	6.013	.00357	497.69200	3.85039	1974.99001	2519.10001	1.09327	110.40000	.00000	6.14600	.02000
	GRADIENT	-.00011	.23793	.00057	-.47009	-.17555	.00007	.01497	.00000	.98089	.00000

RUN NO. 468/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.029	.00649	627.18800	3.88548	1400.03999	2134.10001	1.17040	110.20000	.00000	-5.63900	-.02000
.799	-3.972	.00359	626.01800	3.88162	1401.75999	2134.10001	1.16984	110.30000	.00000	-3.63000	-.02000
.800	-2.004	.00201	627.40700	3.88625	1399.94000	2134.29999	1.17045	110.20000	.00000	-1.70900	-.02000
.800	.020	-.00013	626.78200	3.88193	1400.75000	2134.20001	1.17018	110.50000	.00000	.26300	-.02000
.800	1.975	-.00055	627.14500	3.88405	1400.53999	2134.50000	1.17030	110.40000	.00000	2.16800	-.02000
.800	4.016	-.00131	627.25700	3.88566	1399.94000	2134.10001	1.17043	110.20000	.00000	4.16100	-.02000
.800	5.981	-.00277	627.16900	3.88336	1399.74001	2133.79999	1.17043	110.40000	.00000	6.08000	-.02000
	GRADIENT	-.00062	.11054	.00029	-.15194	.00970	.00005	-.00001	.00000	.97514	-.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R057) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 475/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.971	-.00513	699.18200	3.99476	1233.37000	2085.79999	1.21918	110.80000	.00000	-5.55200	.08000
.900	-3.988	-.00447	699.36900	3.99320	1233.86000	2086.50000	1.21916	111.10000	.00000	-3.62400	.08000
.900	-2.008	-.00246	699.64000	3.99532	1233.06000	2086.20001	1.21940	110.90000	.00000	-1.70000	.07000
.900	-.005	-.00018	699.22000	3.99262	1233.77000	2086.20001	1.21912	111.10000	.00000	.24200	.08000
.900	1.989	.00181	699.17500	3.99752	1232.57001	2085.10001	1.21932	110.40000	.00000	2.17700	.08000
.900	4.018	.00511	699.41200	3.99514	1232.87000	2085.70001	1.21934	110.80000	.00000	4.14800	.08000
.900	5.970	.00748	698.57000	3.99467	1232.09000	2083.79999	1.21920	110.40000	.00000	6.04500	.08000
	GRADIENT	.00117	-.01889	.00029	-.12322	-.13467	.00001	-.05482	.00000	.97061	.00050

RUN NO. 491/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-5.977	-.00032	760.46700	3.87477	897.83400	1917.00000	1.33748	110.80000	.00000	-5.50400	.02000
1.100	-4.006	.00018	761.33900	3.87937	899.01100	1919.30000	1.33742	110.80000	.00000	-3.60400	.01000
1.100	-1.977	-.00124	760.85300	3.87975	898.62200	1918.20000	1.33735	110.50000	.00000	-1.65100	.02000
1.100	.009	-.00138	760.79600	3.87536	898.02700	1917.70000	1.33755	110.90000	.00000	.26000	.02000
1.100	1.995	-.00168	759.16400	3.87227	896.86200	1914.10001	1.33726	110.40000	.00000	2.17100	.02000
1.100	3.982	-.00128	759.20300	3.86878	896.76200	1914.10001	1.33732	110.80000	.00000	4.08500	.01000
1.100	5.997	-.00338	759.20600	3.87081	896.16600	1913.70000	1.33755	110.50000	.00000	6.02600	.00000
	GRADIENT	-.00017	-.29868	-.00144	-.31360	-.72655	-.00001	-.00511	.00000	.96250	.00001

RUN NO. 335/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BET.	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.251	-5.985	.00[illegible]5	807.51700	3.90440	737.34600	1912.00000	1.42374	109.30000	.00000	-5.51700	.04000
1.251	-3.987	.001 6	808.03200	3.90391	737.53700	1913.10001	1.42386	109.60000	.00000	-3.59100	.04000
1.250	-1.995	.00255	807.64100	3.90547	737.93800	1912.50000	1.42353	109.30000	.00000	-1.67200	.04000
1.251	-.008	.00363	808.39600	3.90621	738.42300	1914.20000	1.42362	109.60000	.00000	.24000	.04000
1.250	1.994	.00479	807.89600	3.90715	738.62700	1913.30000	1.42333	109.30000	.00000	2.16600	.04000
1.249	4.008	.00727	807.73700	3.90500	739.81600	1913.50000	1.42273	109.60000	.00000	4.10500	.04000
1.249	5.974	.00782	807.42400	3.90628	739.62300	1912.80000	1.42269	109.30000	.00000	5.99700	.04000
	GRADIENT	.00067	-.01692	.00019	.26279	.07985	-.00012	.00004	.00000	.96255	.00000

RUN NO. 498/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.398	-5.964	.00292	761.23300	3.54283	556.16100	1765.70000	1.49292	110.60000	.00000	-5.51000	.05000
1.399	-3.990	.00247	761.54000	3.54243	556.15800	1766.39999	1.49303	110.80000	.00000	-3.60300	.04000
1.398	-1.992	.00221	761.53800	3.54580	556.25700	1766.39999	1.49298	110.40000	.00000	-1.67300	.05000
1.399	-.006	.00280	761.94100	3.54464	555.85900	1767.30000	1.49335	110.70000	.00000	.24300	.05000
1.398	2.002	.00451	761.35600	3.54530	556.55500	1766.00000	1.49275	110.40000	.00000	2.18200	.05000
1.399	3.983	.00640	761.59700	3.54465	555.56600	1766.50000	1.49337	110.50000	.00000	4.09500	.05000
1.399	5.975	.00987	761.41500	3.54168	555.86400	1766.10001	1.49314	110.80000	.00000	6.01800	.05000
	GRADIENT	.00051	-.00351	.00020	-.04424	-.01025	.00002	-.03016	.00000	.96546	.00100

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R057) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 375/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-5.969	-.00177	757.21600	3.50040	514.83900	1757.60001	1.51349	109.90000	.00000	-5.51900	.00000
1.450	-3.994	-.00095	757.11300	3.49963	514.44500	1757.39999	1.51366	109.90000	.00000	-3.61100	.00000
1.450	-1.999	.00087	756.46400	3.50238	513.95700	1755.89999	1.51369	109.20000	.00000	-1.68300	.00000
1.449	-.010	-.00010	757.05000	3.50217	514.84000	1757.20000	1.51343	109.60000	.00000	.23800	-.01000
1.450	1.999	-.00688	758.02600	3.50402	515.22600	1759.50000	1.51358	109.90000	.00000	2.17800	.00000
1.450	4.019	.00049	757.39900	3.50079	514.34400	1758.10001	1.51382	109.90000	.00000	4.13000	.00000
1.450	5.987	-.00012	758.92900	3.49755	515.81000	1761.60001	1.51361	111.20000	.00000	6.03000	.00000
	GRADIENT	-.00024	.10651	.00019	.05300	.24958	.00001	.03504	.00000	.96602	.00000

RUN NO. 510/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-5.967	-.00469	717.77400	3.29173	455.72500	1673.00000	1.53224	110.50000	.00000	-5.52900	.04000
1.500	-3.999	-.00136	719.56500	3.30009	457.09200	1677.10001	1.53210	110.50000	.00000	-3.62300	.05000
1.500	-1.982	-.00070	720.11700	3.30240	457.08700	1678.50003	1.53231	110.50000	.00000	-1.67000	.04000
1.500	-.029	-.00032	719.59200	3.30091	456.99300	1677.20000	1.53217	110.40000	.00000	.22000	.04000
1.499	2.029	.00192	717.80900	3.29224	456.31900	1672.89999	1.53190	110.50000	.00000	2.21300	.03000
1.499	3.976	.00184	718.16400	3.29373	456.31500	1673.80000	1.53204	110.50000	.00000	4.09800	.04000
1.500	5.988	.00570	719.09600	3.29853	456.50300	1676.10001	1.53228	110.40000	.00000	6.04400	.04000
	GRADIENT	.00045	-.25673	-.00115	-.11660	-.61295	-.00003	.00007	.00000	.96807	-.00151

RUN NO. 392/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-5.996	-.00159	689.21600	3.14969	409.94400	1618.10001	1.54932	109.90000	.00000	-5.56700	.01000
1.550	-3.975	-.00618	689.83900	3.15186	410.43300	1619.50000	1.54924	110.00000	.00000	-3.60700	.01000
1.549	-1.997	.00316	690.21800	3.15071	410.82600	1620.30000	1.54914	110.40000	.00000	-1.68900	.03000
1.550	-.001	-.00624	688.27300	3.14463	409.35900	1615.89999	1.54933	110.00000	.00000	.24600	.00000
1.550	1.987	.00412	690.00800	3.15041	410.53000	1619.89999	1.54924	110.30000	.00000	2.17300	.01000
1.551	4.006	-.00813	689.41700	3.15041	409.64300	1618.80000	1.54958	109.90000	.00000	4.13100	.01000
1.550	5.984	-.00196	689.15600	3.14781	409.64600	1618.10001	1.54948	110.10000	.00000	6.04800	.00000
	GRADIENT	-.00015	-.05291	-.00016	-.09427	-.09030	.00004	-.01523	.00000	.96951	-.00100

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R057) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 305/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.600	-5.989	.00408	1.04911	.70085	.95540	.76018	.76100	-.25455	-.00082	-.25268	.00096
.600	-3.996	.00254	1.06576	.75185	.92495	.80256	.80631	-.17310	-.00375	-.17200	-.00149
.599	-1.979	.00097	1.06949	.79902	.88687	.82718	.83427	-.08786	-.00709	-.08661	-.00478
.601	.008	-.00047	1.06597	.83906	.84420	.83070	.84206	-.00514	-.01136	-.00416	-.00933
.601	1.986	.00173	1.06673	.88246	.80347	.82266	.83747	.07899	-.01479	.07880	-.01315
.601	3.996	.00106	1.05789	.91921	.75682	.79182	.81296	.16239	-.02114	.16219	-.01917
.600	6.013	.00357	1.04302	.95390	.71080	.75049	.77325	.24310	-.02276	.24269	-.02062
	GRADIENT	-.00011	-.00093	.02096	-.02104	-.00130	.00083	.04200	-.00213	.04180	-.00219

RUN NO. 468/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.800	-6.029	.00649	1.15820	.78010	1.02587	.83888	.83999	-.24577	-.00111	-.24577	-.00167
.799	-3.972	.00359	1.17285	.83128	.99682	.87983	.88465	-.16554	-.00483	-.16568	-.00537
.800	-2.004	.00201	1.17029	.86959	.95656	.89653	.90504	-.08697	-.00848	-.08727	-.00936
.800	.020	-.00013	1.17188	.91262	.91822	.90482	.91600	-.00560	-.01118	-.00587	-.01206
.800	1.975	-.00055	1.17019	.94820	.87860	.89534	.91111	.06960	-.01577	.06866	-.01671
.600	4.016	-.00131	1.16380	.98729	.83546	.87118	.88950	.15184	-.01832	.15128	-.01943
.800	5.981	-.00277	1.15147	1.01991	.79316	.83543	.85621	.22675	-.02078	.22592	-.02156
	GRADIENT	-.00062	-.00091	.01958	-.02008	-.00094	.00078	.03966	-.00172	.03958	-.00178

RUN NO. 475/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-5.971	-.00513	1.20840	.84101	1.07580	.89711	.90107	-.23479	-.00396	-.23451	-.00471
.900	-3.988	-.00447	1.21651	.88403	1.04381	.93009	.93695	-.15978	-.00687	-.15991	-.00764
.900	-2.008	-.00246	1.21815	.92485	1.00810	.94983	.95949	-.08325	-.00965	-.08340	-.01042
.900	-.005	-.00018	1.21967	.96514	.97206	.95675	.96987	-.00691	-.01312	-.00740	-.01407
.900	1.989	.00181	1.21789	1.00120	.93418	.94902	.96469	.06702	-.01567	.06635	-.01687
.900	4.018	.00511	1.21274	1.03814	.89246	.92678	.94474	.14569	-.01796	.14467	-.01875
.900	5.970	.00748	1.20178	1.07008	.85243	.89475	.91375	.21765	-.01900	.21661	-.01966
	GRADIENT	.00117	-.00039	.01922	-.01882	-.00039	.00102	.03804	-.00141	.03793	-.00143

RUN NO. 491/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.100	-5.977	-.00032	1.32745	.98917	1.20278	1.04098	1.04349	-.21361	-.00251	-.21408	-.00314
1.100	-4.006	.00018	1.33538	1.02778	1.17484	1.07080	1.07598	-.14706	-.00518	-.14709	-.00597
1.100	-1.977	-.00124	1.33791	1.06649	1.14231	1.08936	1.09734	-.07582	-.00799	-.07616	-.00878
1.100	.009	-.00138	1.33800	1.10130	1.10934	1.09444	1.10560	-.00804	-.01116	-.00811	-.01214
1.100	1.995	-.00168	1.33720	1.13557	1.07451	1.08791	1.10239	.06106	-.01448	.06048	-.01547
1.100	3.982	-.00128	1.33253	1.16793	1.03823	1.06968	1.08473	.12970	-.01505	.12882	-.01591
1.100	5.997	-.00338	1.32137	1.19652	.99985	1.03932	1.05579	.19668	-.01647	.19606	-.01729
	GRADIENT	-.00017	-.00032	.01752	-.01709	-.00017	.00114	.03461	-.00131	.03451	-.00133

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R057) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 335/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.251	-5.985	.00005	1.37412	1.04935	1.27572	1.10773	1.11951	-.22637	-.01178	-.22450	-.00826
1.251	-3.987	.00166	1.38421	1.09089	1.24621	1.13806	1.15176	-.15533	-.01371	-.15379	-.01034
1.250	-1.995	.00255	1.38625	1.12890	1.21360	1.15548	1.17052	-.08470	-.01504	-.08333	-.01198
1.251	-.008	.00363	1.38588	1.16466	1.17863	1.16026	1.17853	-.01397	-.01827	-.01314	-.01517
1.250	1.994	.00479	1.38674	1.20108	1.14391	1.15513	1.17562	.05717	-.02049	.05750	-.01711
1.249	4.008	.00727	1.38314	1.23614	1.10803	1.13895	1.15972	.12812	-.02077	.12833	-.01754
1.249	5.974	.00782	1.36974	1.26560	1.06872	1.10879	1.13036	.19688	-.02157	.19641	-.01869
	GRADIENT	.00067	-.00008	.01815	-.01732	.00006	.00104	.03548	-.00098	.03529	-.00098

RUN NO. 498/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.398	-5.964	.00292	1.48369	1.07238	1.31430	1.13697	1.13868	-.24192	-.00171	-.24218	-.00224
1.399	-3.990	.00247	1.49468	1.11354	1.28176	1.16725	1.16947	-.16821	-.00222	-.16852	-.00305
1.398	-1.992	.00221	1.49324	1.15300	1.24239	1.18203	1.18894	-.08939	-.00691	-.08972	-.00773
1.399	-.006	.00280	1.49317	1.19158	1.20307	1.18569	1.19696	-.01149	-.01127	-.01202	-.01208
1.398	2.002	.00451	1.48949	1.22767	1.16411	1.17969	1.19163	.06356	-.01194	.06259	-.01287
1.399	3.983	.00640	1.49191	1.26575	1.12622	1.16453	1.17850	.13953	-.01397	.13903	-.01466
1.399	5.975	.00987	1.48333	1.30217	1.08611	1.13861	1.15187	.21605	-.01326	.21513	-.01374
	GRADIENT	.00051	-.00047	.01901	-.01953	-.00039	.00104	.03854	-.00143	.03849	-.00142

RUN NO. 375/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.450	-5.969	-.00177	1.50912	1.04935	1.31263	1.12601	1.11973	-.26328	.00628	-.26302	.00539
1.450	-3.994	-.00095	1.50761	1.08437	1.26671	1.14770	1.14210	-.18234	.00560	-.18225	.00516
1.450	-1.999	.00087	1.49939	1.11709	1.21902	1.15657	1.15249	-.10193	.00408	-.10187	.00368
1.449	-.010	-.00010	1.50239	1.15903	1.18036	1.16337	1.16274	-.02133	.00063	-.02136	.00015
1.450	1.999	-.00688	1.50801	1.20482	1.14093	1.16189	1.16295	.06388	-.00107	.06364	-.00101
1.450	4.019	.00049	1.50461	1.25071	1.10246	1.15014	1.15181	.14824	-.00167	.14803	-.00168
1.450	5.987	-.00012	1.49628	1.29353	1.06526	1.12661	1.12929	.22827	-.00268	.22779	-.00260
	GRADIENT	-.00024	.00013	.02100	-.02030	.00050	.00149	.04130	-.00098	.04126	-.00092

RUN NO. 510/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.500	-5.967	-.00469	1.51613	.98844	1.27050	1.06723	1.07245	-.28205	-.00522	-.28201	-.00544
1.500	-3.999	-.00136	1.52569	1.01685	1.22116	1.08177	1.08865	-.20431	-.00688	-.20458	-.00684
1.500	-1.982	-.00070	1.52708	1.02890	1.14464	1.06608	1.07563	-.11573	-.00954	-.11609	-.00977
1.500	-.029	-.00032	1.52640	1.06852	1.08714	1.06282	1.07538	-.01862	-.01257	-.01911	-.01288
1.499	2.029	.00192	1.52427	1.17428	1.10115	1.12129	1.13004	.07314	-.00875	.07237	-.00924
1.499	3.976	.00184	1.52505	1.19740	1.03824	1.08461	1.09686	.15916	-.01225	.15869	-.01253
1.500	5.988	.00570	1.51593	1.26180	1.01690	1.07943	1.09367	.24490	-.01424	.24400	-.01470
	GRADIENT	.00045	-.00021	.02540	-.02047	.00309	.00358	.04587	-.00049	.04583	-.00054

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R057) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 392/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.550	-5.996	-.00159	1.54879	.64553	.95851	.73101	.78328	-.31298	-.05227	-.31311	-.05132
1.550	-3.975	-.00618	1.55274	.71330	.90865	.75466	.80935	-.19535	-.05468	-.19561	-.05375
1.549	-1.997	.00316	1.55537	.89508	.96998	.89666	.93758	-.07490	-.04092	-.07502	-.03998
1.550	-.001	-.00624	1.56025	1.00898	1.02784	.98861	1.02912	-.01886	-.04050	-.01920	-.03992
1.550	1.987	.00412	1.55477	1.01920	.96660	.95664	1.00234	.05260	-.04570	.05181	-.04539
1.551	4.006	-.00813	1.54940	.91551	.74002	.76023	.83660	.17549	-.07636	.17488	-.07580
1.550	5.984	-.00196	1.54785	.96572	.67103	.73291	.80854	.29469	-.07563	.29399	-.07478
	GRADIENT	-.00015	-.00037	.02641	-.01717	.00346	.00588	.04358	-.00243	.04351	-.00250

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R057) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 305/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.600	-5.989	.00408	.82718	.75970	.79344	.03992	-.00119
.600	-3.996	.00254	.83785	.80330	.82058	.04161	-.00132
.599	-1.979	.00097	.84232	.82957	.83594	.04209	-.00212
.601	.008	-.00047	.84114	.83537	.83825	.04155	-.00197
.601	1.986	.00173	.84306	.82925	.83616	.04201	-.00267
.601	3.996	.00106	.83811	.80140	.81976	.04067	-.00211
.600	6.013	.00357	.83256	.76080	.79668	.03952	-.00002
	GRADIENT	-.00011	.00006	-.00020	-.00007	-.00010	-.00011

RUN NO. 468/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.800	-6.029	.00649	.90299	.83971	.87135	.03878	-.00167
.799	-3.972	.00359	.91412	.88251	.89831	.03927	-.00207
.800	-2.004	.00201	.91322	.90124	.90723	.04052	-.00153
.800	.020	-.00013	.91556	.91085	.91320	.03878	-.00190
.800	1.975	-.00055	.91387	.90370	.90878	.03930	-.00207
.800	4.016	-.00131	.91165	.88089	.89627	.03972	-.00102
.800	5.981	-.00277	.90695	.84621	.87658	.03713	-.00112
	GRADIENT	-.00062	-.00021	-.00005	-.00013	-.00002	.00008

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R057) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 475/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-5.971	-.00513	.95826	.89947	.92886	.03732	-.00153
.900	-3.988	-.00447	.96399	.93391	.94895	.03820	-.00137
.900	-2.008	-.00246	.96655	.95504	.96079	.03863	-.00165
.900	-.005	-.00018	.96884	.96379	.96631	.03707	-.00172
.900	1.989	.00181	.96802	.95745	.96274	.03790	-.00115
.900	4.018	.00511	.96580	.93616	.95098	.03803	-.00066
.900	5.970	.00748	.96178	.90458	.93318	.03626	-.00037
	GRADIENT	.00117	.00025	.00033	.00029	-.00005	.00010

RUN NO. 491/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.100	-5.977	-.00032	1.09621	1.04255	1.06938	.03366	-.00146
1.100	-4.006	.00018	1.10133	1.07378	1.08755	.03462	-.00138
1.100	-1.977	-.00124	1.10457	1.09375	1.09916	.03470	-.00148
1.100	.009	-.00138	1.10535	1.10051	1.10293	.03426	-.00194
1.100	1.995	-.00168	1.10533	1.09565	1.10049	.03466	-.00089
1.100	3.982	-.00128	1.10352	1.07763	1.09058	.03387	-.00023
1.100	5.997	-.00338	1.09849	1.04797	1.07323	.03312	-.00092
	GRADIENT	-.00017	.00026	.00049	.00038	-.00008	.00015

RUN NO. 335/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.251	-5.985	.00005	1.16160	1.11186	1.13673	.03538	-.00117
1.251	-3.987	.00166	1.16778	1.14323	1.15550	.03538	-.00080
1.250	-1.995	.00255	1.17056	1.16147	1.16602	.03536	-.00125
1.251	-.008	.00363	1.17123	1.16785	1.16954	.03530	-.00151
1.250	1.994	.00479	1.17233	1.16369	1.16801	.03529	-.00043
1.249	4.008	.00727	1.17198	1.14772	1.15985	.03490	-.00031
1.249	5.974	.00782	1.16739	1.11814	1.14276	.03450	-.00072
	GRADIENT	.00067	.00051	.00055	.00053	-.00005	.00009

RUN NO. 498/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.398	-5.964	.00292	1.19347	1.13809	1.16578	.03676	.00007
1.399	-3.990	.00247	1.19780	1.16878	1.18329	.03840	-.00139
1.398	-1.992	.00221	1.19786	1.18589	1.19188	.03987	-.00278
1.399	-.006	.00280	1.19759	1.19173	1.19466	.03783	-.00110
1.398	2.002	.00451	1.19638	1.18613	1.19125	.03768	-.00060
1.399	3.983	.00640	1.19624	1.17186	1.18405	.03868	-.00041
1.399	5.975	.00987	1.19461	1.14548	1.17004	.03797	.00089
	GRADIENT	.00051	-.00023	.00032	.00005	-.00008	.00021

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R057) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 375/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.450	-5.969	-.00177	1.18086	1.12331	1.15209	.04106	-.00005
1.450	-3.994	-.00095	1.17549	1.14512	1.16031	.04061	-.00026
1.450	-1.999	.00087	1.16803	1.15473	1.16138	.04004	-.00149
1.449	-.010	-.00010	1.16971	1.16330	1.16650	.04148	-.00134
1.450	1.999	-.00689	1.17300	1.16240	1.16770	.04245	-.00024
1.450	4.019	.00049	1.17669	1.15098	1.16384	.04104	-.00041
1.450	5.987	-.00012	1.17964	1.12791	1.15377	.04027	-.00049
	GRADIENT	-.00024	.00037	.00096	.00067	.00016	.00005

RUN NO. 510/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.500	-5.967	-.00469	1.12944	1.06995	1.09970	.03867	-.00061
1.500	-3.999	-.00136	1.11914	1.08519	1.10217	.04071	-.00092
1.500	-1.982	-.00070	1.08694	1.07097	1.07896	.04808	-.00220
1.500	-.029	-.00032	1.07807	1.06926	1.07367	.04769	.00054
1.499	2.029	.00192	1.13809	1.12591	1.13200	.04376	.00038
1.499	3.976	.00184	1.11806	1.09088	1.10447	.04368	-.00203
1.500	5.988	.00570	1.13980	1.08678	1.11329	.04177	-.00060
	GRADIENT	.00045	.00249	.00336	.00292	.00008	.00002

RUN NO. 392/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.550	-5.996	-.00159	.80208	.75667	.77937	.05498	-.00394
1.550	-3.975	-.00618	.81110	.78154	.79632	.06447	.00427
1.549	-1.997	.00316	.93259	.91665	.92462	.04464	.00429
1.550	-.001	-.00624	1.01858	1.00857	1.01358	.02398	-.00040
1.550	1.987	.00412	.99330	.97934	.98632	.05055	-.01083
1.551	4.006	-.00813	.82807	.79813	.81310	.06358	-.00950
1.550	5.984	-.00196	.81873	.77029	.79451	.05854	.00553
	GRADIENT	-.00015	.00465	.00471	.00468	.00022	-.00214

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R058) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.999 BETA = .000
PHI = .000

RUN NO. 487/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.969	.01168	698.70000	3.99687	1231.99001	2083.89999	1.21928	110.20000	.00000	-5.55000	-.09000
.900	-4.012	.00759	698.02800	3.99303	1230.80000	2081.89999	1.21929	110.20000	.00000	-3.64700	-.09000
.900	-2.006	.00262	697.75700	3.99552	1231.61000	2082.20001	1.21903	109.90000	.00000	-1.69800	-.09000
.900	.000	-.00050	698.37800	3.99937	1232.99001	2084.29999	1.21897	109.90000	.00000	.24800	-.08000
.900	1.996	-.00391	698.91600	4.00034	1232.78000	2084.89999	1.21920	110.00000	.00000	2.18400	-.09000
.900	3.995	-.00703	699.01400	4.00103	1233.07001	2085.29999	1.21919	110.00000	.00000	4.12600	-.09000
.901	6.004	-.00921	699.94900	4.00424	1232.66000	2086.29999	1.21957	110.00000	.00000	6.07800	-.08000
	GRADIENT	-.00179	.15640	.00104	.28542	.47471	-.00000	-.01502	.00000	.97065	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R058) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.999 BETA = .000
PHI = .000

RUN NO. 487/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-5.969	.01168	1.20789	.84091	1.07509	.89654	.90062	-.23417	-.00408	-.23398	-.00491
.900	-4.012	.00759	1.21641	.88398	1.04394	.92987	.93646	-.15996	-.00660	-.16011	-.00741
.900	-2.006	.00262	1.21953	.92624	1.00932	.95077	.96096	-.08309	-.01019	-.08312	-.01090
.900	.000	-.00050	1.21768	.96317	.97061	.95463	.96800	-.00744	-.01337	-.00785	-.01459
.900	1.996	-.00391	1.21781	1.00247	.93297	.94820	.96465	.06950	-.01645	.06858	-.01754
.900	3.995	-.00703	1.21290	1.03704	.89373	.92678	.94579	.14331	-.01901	.14231	-.01967
.901	6.004	-.00921	1.19972	1.06879	.85054	.89226	.91174	.21825	-.01948	.21720	-.02027
	GRADIENT	-.00179	-.00044	.01910	-.01882	-.00043	.00112	.03793	-.00155	.03780	-.00156

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R058) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.999 BETA = .000
PHI = .000

RUN NO. 487/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-5.969	.01168	.95790	.89899	.92845	.03748	-.00117
.900	-4.012	.00759	.96404	.93357	.94880	.03825	-.00150
.900	-2.006	.00262	.96779	.95622	.96201	.03788	-.00189
.900	.000	-.00050	.96709	.96192	.96451	.03797	-.00169
.900	1.996	-.00391	.96818	.95697	.96257	.03768	-.00132
.900	3.995	-.00703	.96589	.93662	.95125	.03682	-.00066
.901	6.004	-.00921	.96019	.90239	.93129	.03749	-.00011
	GRADIENT	-.00179	.00020	.00035	.00027	-.00015	.00011

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R059) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.002 BETA = .000
PHI = .000

RUN NO. 326/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.996	.00963	700.00700	4.00689	1233.25000	2086.89999	1.21949	109.80000	.00000	-5.57700	-.04000
.901	-3.989	.00672	700.64300	4.00855	1233.34000	2087.89999	1.21967	109.90000	.00000	-3.62600	-.04000
.900	-1.983	.00404	699.22500	4.00293	1232.37000	2085.00000	1.21939	109.80000	.00000	-1.67800	-.04000
.900	-.017	.00158	698.90600	4.00020	1232.67999	2084.79999	1.21921	110.00000	.00000	.23000	-.04000
.899	2.030	.00095	697.73500	3.99776	1232.11000	2082.60001	1.21893	109.70000	.00000	2.21500	-.04000
.899	3.968	-.00081	697.54000	3.99505	1233.70000	2083.70001	1.21857	110.10000	.00000	4.09700	-.04000
.899	6.004	-.00429	697.99900	3.99922	1233.39000	2084.10001	1.21877	109.80000	.00000	6.07500	-.06000
	GRADIENT	-.00091	-.38676	-.00161	.02192	-.54379	-.00013	.01471	.00000	.97051	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R059) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.002 BETA = .000
PHI = .000

RUN NO. 326/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-5.996	.00963	1.17462	.84058	1.07779	.89728	.90247	-.23721	-.00519	-.23482	-.00268
.901	-3.989	.00672	1.18569	.88493	1.04684	.93198	.93921	-.16186	-.00723	-.16011	-.00480
.900	-1.983	.00404	1.18910	.92729	1.01200	.95290	.96335	-.08471	-.01045	-.08294	-.00796
.900	-.017	.00158	1.18884	.96543	.97539	.95813	.97257	-.00996	-.01444	-.00847	-.01181
.899	2.030	.00095	1.18657	1.00353	.93454	.94929	.96654	.06908	-.01725	.06947	-.01505
.899	3.968	-.00081	1.18135	1.03781	.89651	.92836	.94882	.14130	-.02046	.14153	-.01804
.899	6.004	-.00429	1.16815	1.07102	.85274	.89292	.91459	.21829	-.02168	.21854	-.01914
	GRADIENT	-.00091	-.00056	.01917	-.01898	-.00054	.00113	.03815	-.00167	.03792	-.00168

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R059) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.002 BETA = .000
PHI = .000

RUN NO. 326/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-5.996	.00963	.95800	.89863	.92831	.03684	-.00095
.901	-3.989	.00672	.96504	.93438	.94971	.03801	-.00126
.900	-1.983	.00404	.96875	.95688	.96282	.03826	-.00189
.900	-.017	.00158	.96966	.96403	.96685	.03798	-.00178
.899	2.030	.00095	.96890	.95682	.96286	.03761	-.00163
.899	3.968	-.00081	.96705	.93738	.95221	.03734	-.00110
.899	6.004	-.00429	.96175	.90249	.93212	.03806	-.00025
	GRADIENT	-.00091	.00021	.00031	.00026	-.00010	.00003

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R060) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 306/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-5.953	2.00214	497.70600	3.84727	1972.10001	2516.29999	1.09342	110.50000	.00000	6.40900	161.39000
.600	-4.001	2.00971	497.44900	3.85150	1975.59000	2519.39999	1.09318	110.20000	.00000	4.64000	153.27000
.601	-2.028	2.03585	498.87100	3.85671	1974.06000	2519.60001	1.09355	110.20000	.00000	3.07100	134.77000
.601	-.006	2.02761	498.74800	3.85150	1972.57001	2518.00000	1.09360	110.60000	.00000	2.25100	90.25000
.600	1.999	2.00715	497.33600	3.84925	1974.50000	2518.20001	1.09322	110.30000	.00000	3.03000	45.32000
.599	4.013	2.00323	495.37000	3.83874	1971.47000	2512.89999	1.09296	110.20000	.00000	4.64600	26.61000
.599	6.031	2.00672	496.29800	3.84432	1974.23000	2516.70001	1.09303	110.30000	.00000	6.48200	18.45000
	GRADIENT	-.00209	-.28486	-.00165	-.38872	-.71900	-.00004	.00497	.00000	-.00059	-17.09571

RUN NO. 469/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-5.961	1.99814	627.43800	3.88569	1399.24001	2133.70001	1.17057	110.20000	.00000	6.38000	161.45000
.799	-3.961	1.97760	626.03600	3.88168	1400.87000	2133.29999	1.16993	110.20000	.00000	4.56600	153.42000
.799	-1.989	1.99387	626.53700	3.88154	1400.46001	2133.60001	1.17015	110.40000	.00000	2.99800	134.79000
.800	.012	2.03452	627.13800	3.88567	1400.44000	2134.39999	1.17033	110.20000	.00000	2.24500	89.69000
.800	2.011	2.00670	627.16900	3.88424	1399.74001	2133.79999	1.17043	110.30000	.00000	3.02100	45.10000
.800	3.988	1.94608	626.91300	3.88303	1400.45000	2134.10001	1.17026	110.40000	.00000	4.57300	26.07000
.800	6.012	2.02251	626.77400	3.88499	1399.46001	2133.00000	1.17034	110.00000	.00000	6.43200	18.62000
	GRADIENT	-.00252	.11994	.00027	-.07851	.09041	.00005	.01502	.00000	.00196	-17.31548

RUN NO. 477/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.974	1.99467	698.95700	3.99928	1232.48000	2084.70001	1.21926	110.10000	.00000	6.36000	161.55000
.900	-4.013	2.02171	698.62500	3.99984	1233.38000	2085.00000	1.21898	110.00000	.00000	4.60700	153.24000
.900	-2.005	2.00754	699.00400	3.99908	1232.97000	2085.20001	1.21919	110.20000	.00000	3.00400	134.84000
.899	.013	2.00887	698.56500	3.99790	1233.48000	2085.00000	1.21896	110.20000	.00000	2.21000	89.59000
.900	2.043	1.92402	698.77000	3.99082	1231.98000	2084.00000	1.21931	110.90000	.00000	2.97600	43.40000
.900	3.973	1.94906	697.89600	3.99064	1231.60001	2082.39999	1.21909	110.50000	.00000	4.54300	26.16000
.900	5.994	2.02814	698.48400	3.99340	1231.19000	2082.89999	1.21936	110.40000	.00000	6.39000	18.70000
	GRADIENT	-.01147	-.08384	-.00133	-.22707	-.31852	.00002	.08540	.00000	-.00976	-17.27867

RUN NO. 492/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-5.962	2.01992	761.04900	3.88029	898.42000	1918.39999	1.33752	110.50000	.00000	6.30500	161.32000
1.100	-4.002	2.00723	760.60200	3.87482	898.22900	1917.50000	1.33739	110.90000	.00000	4.55600	153.37000
1.100	-2.001	2.01014	760.25300	3.87374	897.63800	1916.50000	1.33745	110.80000	.00000	2.98100	134.77000
1.100	.016	2.07320	759.38000	3.87090	896.46100	1914.20000	1.33751	110.60000	.00000	2.25700	89.53000
1.100	2.004	1.99088	759.51300	3.87392	897.15400	1914.89999	1.33731	110.40000	.00000	2.97300	44.90000
1.099	3.980	1.94401	760.98700	3.87834	899.31500	1918.89999	1.33715	110.80000	.00000	4.51400	26.05000
1.100	6.015	2.03932	760.85500	3.87944	898.32400	1918.00000	1.33746	110.50000	.00000	6.36300	18.72000
	GRADIENT	-.00725	.03069	.00036	.08329	.05786	-.00003	-.03023	.00000	-.00570	-17.25633

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R060) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 336/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-5.961	1.98251	807.54700	3.89450	738.13700	1912.39999	1.42340	110.50000	.00000	6.29200	161.63000
1.251	-3.954	1.98206	807.96000	3.89652	737.63700	1913.00000	1.42379	110.40000	.00000	4.50300	153.40000
1.250	-1.961	1.93463	807.67100	3.89647	738.72900	1912.89999	1.42319	110.40000	.00000	2.90000	135.31000
1.250	-.006	2.04059	807.51100	3.89744	738.53300	1912.50000	1.42321	110.20000	.00000	2.22000	90.14000
1.250	2.022	2.01687	807.67100	3.89557	738.72900	1912.89999	1.42319	110.50000	.00000	2.99600	44.93000
1.250	3.981	1.97302	807.56200	3.89585	738.53200	1912.60001	1.42323	110.40000	.00000	4.52000	26.31000
1.250	6.019	2.01272	807.12600	3.89605	737.74600	1911.39999	1.42341	110.10000	.00000	6.35100	18.42000
	GRADIENT	.00321	-.03999	-.00011	.09030	-.04002	-.00006	.00520	.00000	.00673	-17.35921

RUN NO. 499/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.398	-6.031	2.01094	762.52400	3.55225	557.23500	1768.70000	1.49284	110.20000	.00000	6.38000	161.56000
1.399	-3.960	1.98673	762.45600	3.54960	556.34700	1768.50000	1.49328	110.40000	.00000	4.52200	153.31000
1.399	-1.966	1.97322	760.12300	3.53976	554.88900	1763.10001	1.49315	110.30000	.00000	2.93900	134.70000
1.399	.013	1.93780	762.05900	3.54230	556.45000	1767.60001	1.49307	111.10000	.00000	2.13100	89.46000
1.399	2.005	1.99375	761.75900	3.54414	556.15600	1766.89999	1.49312	110.70000	.00000	2.98100	44.84000
1.399	4.038	2.01992	761.45300	3.54537	556.15900	1766.20000	1.49300	110.40000	.00000	4.60700	26.52000
1.399	6.008	1.99379	761.80700	3.54418	555.95800	1767.00000	1.49324	110.70000	.00000	6.35800	18.30000
	GRADIENT	.00438	-.01884	-.00020	.04441	-.04079	-.00003	.01966	.00000	.01194	-17.19171

RUN NO. 378/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-5.981	2.00115	757.64200	3.50311	515.03200	1758.60001	1.51355	109.80000	.00000	6.33500	161.53000
1.450	-3.970	2.01168	757.45000	3.50279	514.54100	1758.20000	1.51374	109.70000	.00000	4.54400	153.16000
1.451	-1.985	1.99788	757.12900	3.50185	513.95100	1757.50000	1.51394	109.60000	.00000	2.97100	134.70000
1.449	.015	2.02906	757.90600	3.50115	515.32600	1759.20000	1.51349	110.20000	.00000	2.22100	89.56000
1.450	1.969	1.90944	757.98500	3.49976	515.22700	1759.39999	1.51357	110.40000	.00000	2.90100	44.24000
1.450	3.983	1.99259	757.33600	3.49755	514.73900	1757.89999	1.51360	110.30000	.00000	4.54900	26.59000
1.450	5.974	2.00322	758.67000	3.50287	515.61500	1761.00000	1.51360	110.40000	.00000	6.33100	18.52000
	GRADIENT	-.00632	.03149	-.00063	.08416	.06514	-.00003	.10065	.00000	-.00290	-17.29398

RUN NO. 511/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-5.993	1.99747	719.80400	3.30013	456.79300	1677.80000	1.53237	110.60000	.00000	6.35700	161.58000
1.500	-3.979	1.99835	718.03600	3.29527	455.92000	1673.60001	1.53222	110.20000	.00000	4.55500	153.31000
1.500	-2.030	2.03421	720.12700	3.30037	457.48200	1678.39999	1.53209	110.80000	.00000	3.03200	134.80000
1.500	.015	1.94257	719.20000	3.29986	456.70000	1676.30000	1.53220	110.30000	.00000	2.14200	89.53000
1.500	2.038	1.92212	718.13900	3.29351	456.11700	1673.80000	1.53214	110.50000	.00000	2.96300	43.41000
1.501	3.979	1.94037	718.27500	3.29531	455.62100	1674.30000	1.53249	110.30000	.00000	4.53200	26.02000
1.499	6.030	2.03533	719.02700	3.29463	456.90000	1675.80000	1.53201	110.90000	.00000	6.40500	18.66000
	GRADIENT	-.01149	-.07720	-.00034	-.09910	-.16399	.00003	-.00532	.00000	-.00636	-17.33557

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R060) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 395/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.549	-5.959	1.98829	689.82500	3.15279	410.93000	1619.20000	1.54893	109.90000	.00000	6.33400	161.54000
1.550	-4.017	2.00446	689.83400	3.15223	410.03600	1619.70000	1.54949	109.90000	.00000	4.59800	153.45000
1.550	-2.004	2.02172	689.34500	3.15242	409.84300	1618.50000	1.54942	109.60000	.00000	3.01100	134.60000
1.550	.011	2.00565	689.68200	3.14941	409.83900	1619.39999	1.54956	110.20000	.00000	2.20600	89.57000
1.549	2.011	2.01225	689.38700	3.14697	410.24000	1618.39999	1.54920	110.40000	.00000	3.00900	45.10000
1.550	4.030	1.99424	690.08100	3.15210	410.33100	1620.20000	1.54940	110.10000	.00000	4.60500	26.46000
1.551	5.952	2.01589	688.75600	3.14290	409.15500	1617.30000	1.54964	110.50000	.00000	6.33600	18.67000
	GRADIENT	-.00149	.02671	-.00030	.04904	.04491	-.00002	.05964	.00000	.00053	-17.07936

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R060) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 306/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.600	-5.953	2.00214	1.03852	.68434	.94876	.79340	.71449	-.26442	.07891	-.26273	.08047
.600	-4.001	2.00971	1.05817	.73370	.91833	.83918	.75859	-.18463	.08058	-.18322	.08222
.601	-2.028	2.03585	1.06260	.77878	.87712	.86710	.78343	-.09835	.08367	-.09677	.08504
.601	-.006	2.02761	1.06340	.82552	.83412	.87660	.79363	-.00860	.08297	-.00755	.08398
.600	1.999	2.00715	1.06191	.87158	.79111	.86513	.78974	.08048	.07539	.08049	.07625
.599	4.013	2.00323	1.05557	.91336	.74843	.83888	.76802	.16493	.07086	.16454	.07233
.599	6.031	2.00672	1.03547	.94718	.69831	.79431	.72358	.24887	.07073	.24825	.07205
	GRADIENT	-.00209	-.00030	.02254	-.02123	-.00014	.00124	.04377	-.00139	.04352	-.00143

RUN NO. 469/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.800	-5.961	1.99814	1.15157	.76955	1.01623	.87772	.79941	-.24669	.07831	-.24633	.07730
.799	-3.961	1.97760	1.16633	.81736	.98478	.91833	.83902	-.16742	.07932	-.16732	.07820
.799	-1.989	1.99387	1.17012	.86051	.94760	.94121	.86231	-.08709	.07890	-.08706	.07781
.800	.012	2.03452	1.17020	.90287	.90761	.94800	.87055	-.00474	.07745	-.00464	.07579
.800	2.011	2.00670	1.16808	.94426	.86745	.93623	.86657	.07681	.06967	.07628	.06841
.800	3.988	1.94608	1.16164	.98190	.82739	.91187	.84780	.15451	.06407	.15376	.06235
.800	6.012	2.02251	1.14630	1.01505	.78296	.87617	.81075	.23208	.06542	.23122	.06378
	GRADIENT	-.00252	-.00057	.02075	-.01985	-.00090	.00110	.04060	-.00200	.04048	-.00207

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (84R060) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 477/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-5.974	1.99467	1.20245	.83090	1.06642	.93659	.85984	-.23552	.07674	-.23534	.07547
.900	-4.013	2.02171	1.21383	.87341	1.03557	.97118	.89457	-.16216	.07662	-.16220	.07542
.900	-2.005	2.00754	1.21687	.91543	.99902	.99143	.91687	-.08359	.07456	-.08379	.07315
.899	.013	2.00887	1.21947	.95864	.96245	.99919	.92779	-.00381	.07140	-.00377	.06998
.900	2.043	1.92402	1.21568	.99671	.92292	.98591	.92345	.07379	.06246	.07293	.06112
.900	3.973	1.94906	1.21110	1.03295	.88604	.96644	.90570	.14691	.06075	.14601	.05946
.900	5.994	2.02814	1.19559	1.06359	.84203	.93213	.86944	.22156	.06269	.22035	.06142
	GRADIENT	-.01147	-.00033	.02000	-.01874	-.00073	.00147	.03874	-.00219	.03862	-.00220

RUN NO. 492/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.100	-5.962	2.01992	1.32306	.98248	1.19380	1.07764	1.00928	-.21132	.06836	-.21170	.06705
1.100	-4.002	2.00723	1.33278	1.02042	1.16597	1.10689	1.03994	-.14555	.06694	-.14590	.06579
1.100	-2.001	2.01014	1.33580	1.05779	1.13343	1.13621	1.05895	-.07565	.06729	-.07579	.06621
1.100	.016	2.07320	1.33682	1.09521	1.09946	1.13268	1.06688	-.00425	.06540	-.00436	.06408
1.100	2.004	1.99088	1.33563	1.13005	1.06617	1.12325	1.06478	.06389	.05848	.06327	.05748
1.099	3.980	1.94401	1.33140	1.16288	1.03253	1.10468	1.05002	.13034	.05466	.12966	.05319
1.100	6.015	2.03932	1.31760	1.19208	.99238	1.07504	1.01747	.19970	.05757	.19917	.05639
	GRADIENT	-.00725	-.00014	.01789	-.01673	-.00036	.00131	.03462	-.00167	.03457	-.00170

RUN NO. 336/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.250	-5.961	1.98251	1.37134	1.04439	1.27120	1.14729	1.08219	-.22681	.06510	-.22481	.06760
1.251	-3.954	1.98206	1.38547	1.08424	1.24116	1.18043	1.11300	-.15692	.06744	-.15503	.07027
1.250	-1.961	1.93463	1.38712	1.12326	1.20549	1.19819	1.13160	-.08223	.06659	-.08084	.06981
1.250	-.006	2.04059	1.38533	1.16054	1.16802	1.20157	1.13727	-.00748	.06430	-.00651	.06747
1.250	2.022	2.01687	1.38621	1.19962	1.13413	1.19189	1.13705	.06548	.05484	.06604	.05762
1.250	3.981	1.97302	1.38160	1.23370	1.10017	1.17225	1.12333	.13353	.04892	.13354	.05187
1.250	6.019	2.01272	1.36611	1.26357	1.06055	1.14180	1.09184	.20301	.04996	.20263	.05245
	GRADIENT	.00321	-.00043	.01890	-.01780	-.00114	.00132	.03670	-.00246	.03647	-.00247

RUN NO. 499/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.398	-6.031	2.01094	1.48627	1.06158	1.30666	1.17125	1.10054	-.24509	.07070	-.24550	.06958
1.399	-3.960	1.98673	1.49097	1.10534	1.26744	1.20084	1.13111	-.16210	.06973	-.16261	.06845
1.399	-1.966	1.97322	1.49162	1.14606	1.23063	1.21664	1.15042	-.08457	.06622	-.08480	.06522
1.399	.013	1.93780	1.48933	1.18357	1.19412	1.22122	1.15668	-.01055	.06454	-.01063	.06316
1.399	2.005	1.99375	1.49112	1.22179	1.15638	1.21788	1.15256	.06542	.06532	.06470	.06418
1.399	4.038	2.01992	1.48713	1.25958	1.11671	1.20288	1.13595	.14288	.06693	.14214	.06542
1.399	6.008	1.99379	1.48161	1.29770	1.07820	1.17780	1.11092	.21950	.06688	.21896	.06567
	GRADIENT	.00438	-.00041	.01924	-.01882	.00025	.00058	.03806	-.00032	.03801	-.00035

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R060) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 378/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.450	-5.981	2.00115	1.49685	1.04041	1.30068	1.14883	1.08748	-.26027	.06135	-.26000	.06148
1.450	-3.970	2.01168	1.50354	1.07935	1.26018	1.17567	1.11334	-.18083	.06233	-.18090	.06203
1.451	-1.985	1.99788	1.50903	1.11540	1.21867	1.18957	1.12733	-.10327	.06224	-.10337	.06203
1.449	.015	2.02906	1.50800	1.15368	1.17952	1.20034	1.13127	-.02584	.06907	-.02593	.06852
1.450	1.969	1.90944	1.50784	1.19557	1.13813	1.20285	1.12681	.05744	.07604	.05726	.07558
1.450	3.983	1.99259	1.50207	1.24078	1.09755	1.19405	1.11303	.14323	.08102	.14303	.08079
1.450	5.974	2.00322	1.49242	1.28204	1.05752	1.17119	1.08796	.22453	.08323	.22385	.08303
	GRADIENT	-.00632	-.00021	.02029	-.02043	.00252	-.00006	.04073	.00258	.04071	.00257

RUN NO. 511/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.500	-5.993	1.99747	1.51880	.98759	1.26646	1.11217	1.03972	-.27887	.07245	-.27887	.07224
1.500	-3.979	1.99835	1.52481	1.01520	1.21062	1.12321	1.05269	-.19543	.07051	-.19565	.07028
1.500	-2.030	2.03421	1.52681	1.05064	1.16196	1.13562	1.06087	-.11132	.07475	-.11103	.07377
1.500	.015	1.94257	1.52595	1.08218	1.10256	1.12924	1.05280	-.02038	.07644	-.02034	.07597
1.500	2.038	1.92212	1.52587	1.14123	1.06813	1.13872	1.06045	.07309	.07827	.07252	.07742
1.501	3.979	1.94037	1.52071	1.19619	1.03883	1.13673	1.05973	.15737	.07700	.15691	.07615
1.499	6.030	2.03533	1.51327	1.25588	1.01008	1.12699	1.04911	.24580	.07788	.24512	.07737
	GRADIENT	-.01149	-.00046	.02264	-.02190	.00150	.00068	.04454	.00083	.04447	.00077

RUN NO. 395/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.549	-5.959	1.98829	1.55145	.66924	.98547	.83545	.74577	-.31622	.08968	-.31609	.09037
1.550	-4.017	2.00446	1.55115	.69940	.89201	.81797	.73197	-.19261	.08600	-.19290	.08615
1.550	-2.004	2.02172	1.55438	.80513	.87794	.86479	.79678	-.07281	.06801	-.07311	.06852
1.550	.011	2.00565	1.55416	.95424	.94135	.95774	.92067	.01289	.03707	.01238	.03727
1.549	2.011	2.01225	1.55429	.96790	.88432	.92360	.89827	.08358	.02533	.08308	.02570
1.550	4.030	1.99424	1.54900	.90613	.70199	.78617	.76350	.20414	.02267	.20366	.02288
1.551	5.952	2.01589	1.55061	.98097	.67613	.80383	.76255	.30484	.04128	.30432	.04166
	GRADIENT	-.00149	-.00022	.02866	-.01859	-.00024	.00818	.04724	-.00842	.04721	-.00842

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R060) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 306/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.600	-5.953	2.00214	.81571	.75317	.78444	.03994	.00068
.600	-4.001	2.00971	.82531	.79807	.81169	.04235	.00132
.601	-2.028	2.03585	.82716	.82458	.82587	.04431	.00102
.601	-.006	2.02761	.82930	.83461	.83195	.04423	-.00267
.600	1.999	2.00715	.83134	.82701	.82917	.04285	-.00350
.599	4.013	2.00323	.83109	.80271	.81690	.04131	-.00073
.599	6.031	2.00672	.82305	.75828	.79067	.04156	.00016
	GRADIENT	-.00209	.00078	.00057	.00068	-.00018	-.00043

RUN NO. 469/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.800	-5.961	1.99814	.89271	.83907	.86589	.03923	.00061
.799	-3.961	1.97760	.90103	.87923	.89013	.04006	.00012
.799	-1.989	1.99387	.90404	.90231	.90317	.04115	-.00034
.800	.012	2.03452	.90519	.91011	.90765	.04100	-.00240
.800	2.011	2.00670	.90612	.90203	.90408	.03985	-.00418
.800	3.988	1.94608	.90502	.88070	.89286	.03861	-.00115
.800	6.012	2.02251	.89944	.84428	.87186	.03908	.00164
	GRADIENT	-.00252	.00051	.00013	.00032	-.00021	-.00032

RUN NO. 477/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-5.974	1.99467	.94857	.89885	.92371	.03689	.00031
.900	-4.013	2.02171	.95451	.93347	.94399	.03806	-.00069
.900	-2.005	2.00754	.95733	.95486	.95609	.03984	-.00100
.899	.013	2.00887	.96052	.96420	.96236	.03869	-.00340
.900	2.043	1.92402	.96024	.95535	.95780	.03771	-.00317
.900	3.973	1.94906	.95994	.93671	.94833	.03746	.00058
.900	5.994	2.02814	.95342	.90142	.92742	.03643	.00117
	GRADIENT	-.01147	.00069	.00037	.00053	-.00017	.00001

RUN NO. 492/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.100	-5.962	2.01992	1.08833	1.04412	1.06623	.03323	-.00091
1.100	-4.002	2.00723	1.09337	1.07399	1.08368	.03425	-.00010
1.100	-2.001	2.01014	1.09569	1.09314	1.09441	.03559	-.00000
1.100	.016	2.07320	1.09739	1.10024	1.09881	.03479	-.00242
1.100	2.004	1.99088	1.09842	1.09451	1.09646	.03355	-.00346
1.099	3.980	1.94401	1.09805	1.07808	1.08807	.03385	-.00022
1.100	6.015	2.03932	1.09249	1.04684	1.06967	.03431	.00247
	GRADIENT	-.00725	.00061	.00049	.00055	-.00014	-.00019

!A132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R060) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 336/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.250	-5.961	1.98251	1.15680	1.11349	1.13514	.03421	.00176
1.251	-3.954	1.98206	1.16176	1.14529	1.15353	.03591	.00048
1.250	-1.961	1.93463	1.16368	1.16329	1.16348	.03819	-.00038
1.250	-.006	2.04059	1.16380	1.16784	1.16582	.03709	-.00322
1.250	2.022	2.01687	1.16660	1.16308	1.16484	.03487	-.00476
1.250	3.981	1.97302	1.16693	1.14632	1.15662	.03412	-.00106
1.250	6.019	2.01272	1.16225	1.11557	1.13891	.03380	.00096
	GRADIENT	.00321	.00067	.00009	.00038	-.00035	-.00038

RUN NO. 499/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.398	-6.031	2.01094	1.18433	1.13646	1.16040	.04018	-.00024
1.399	-3.960	1.98673	1.18665	1.16661	1.17663	.03972	-.00116
1.399	-1.966	1.97322	1.18846	1.18403	1.18624	.03807	-.00166
1.399	.013	1.93780	1.18888	1.18964	1.18926	.03747	-.00019
1.399	2.005	1.99375	1.18944	1.18579	1.18762	.03793	.00080
1.399	4.038	2.01992	1.18851	1.17017	1.17934	.03852	.00035
1.399	6.008	1.99379	1.18822	1.14496	1.16659	.03923	.00002
	GRADIENT	.00438	.00023	.00043	.00033	-.00013	.00027

RUN NO. 378/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.450	-5.981	2.00115	1.17041	1.11809	1.14425	.03931	.00057
1.450	-3.970	2.01168	1.16981	1.14465	1.15723	.03937	-.00032
1.451	-1.985	1.99788	1.16709	1.15856	1.16282	.03835	.00152
1.449	.015	2.02906	1.16665	1.16608	1.16636	.04057	.00396
1.450	1.969	1.90944	1.16694	1.16506	1.16600	.04335	.00322
1.450	3.983	1.99259	1.16927	1.15366	1.16146	.04151	.00177
1.450	5.974	2.00322	1.17012	1.12968	1.14990	.04016	.00080
	GRADIENT	-.00632	-.00006	.00123	.00059	.00047	.00030

RUN NO. 511/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.500	-5.993	1.99747	1.12702	1.07605	1.10153	.04078	-.00178
1.500	-3.979	1.99835	1.11302	1.08807	1.10055	.04241	.00063
1.500	-2.030	2.03421	1.10616	1.09874	1.10245	.04385	.00177
1.500	.015	1.94257	1.09235	1.09125	1.09180	.04551	.00094
1.500	2.038	1.92212	1.10497	1.10001	1.10249	.04491	-.00013
1.501	3.979	1.94037	1.11773	1.09866	1.10820	.04286	-.00029
1.499	6.030	2.03533	1.13332	1.08830	1.11081	.04310	.00104
	GRADIENT	-.01149	.00040	.00112	.00076	.00010	-.00019

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R060) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 395/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.549	-5.959	1.98829	.82729	.79027	.80878	.06350	-.00109
1.550	-4.017	2.00446	.79584	.77489	.78537	.06322	-.00433
1.550	-2.004	2.02172	.84169	.83053	.83611	.05234	-.01424
1.550	.011	2.00565	.94805	.93910	.94358	.03324	-.01152
1.549	2.011	2.01225	.92635	.91075	.91855	.04799	-.00353
1.550	4.030	1.99424	.80430	.77473	.78952	.05977	.00413
1.551	5.952	2.01589	.82881	.78300	.80591	.04869	.01259
	GRADIENT	-.00149	.00505	.00397	.00451	-.00056	.00137

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R061) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 307/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-5.959	4.02038	496.82300	3.84554	1978.10001	2521.10001	1.09294	110.80000	.00000	7.29700	145.92000
.600	-3.997	3.99663	495.95700	3.83834	1970.85001	2513.00000	1.09314	110.50000	.00000	5.79200	134.92000
.600	-1.981	3.96277	497.79200	3.84937	1972.10001	2516.39999	1.09343	110.30000	.00000	4.59800	116.49000
.600	-.023	3.95614	497.25800	3.85085	1974.80000	2518.39999	1.09317	110.10000	.00000	4.13700	90.36000
.599	2.003	4.07740	495.96400	3.84314	1974.64000	2516.70001	1.09294	110.30000	.00000	4.70800	63.95000
.599	4.008	4.02928	496.44800	3.84428	1973.33000	2516.00000	1.09311	110.30000	.00000	5.82200	45.25000
.600	6.047	4.03318	496.58300	3.84539	1971.83000	2514.70001	1.09319	110.10000	.00000	7.37500	33.79000
	GRADIENT	.00902	-.04228	.00028	.37374	.31379	-.00003	-.01988	.00000	.00901	-11.59571

RUN NO. 470/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.040	4.03233	627.13700	3.88449	1399.25000	2133.29999	1.17048	110.20000	.00000	7.32700	146.24000
.800	-4.010	4.00471	626.97500	3.88396	1400.25000	2134.00000	1.17029	110.30000	.00000	5.77200	135.00000
.800	-2.007	3.94419	627.01200	3.88439	1399.64999	2133.50000	1.17039	110.20000	.00000	4.56600	116.93000
.800	-.039	3.97388	626.74300	3.88206	1400.14999	2133.60001	1.17026	110.40000	.00000	4.12900	90.61000
.799	1.988	4.06402	626.70700	3.88163	1400.75000	2134.10001	1.17016	110.60000	.00000	4.66200	64.03000
.800	3.997	4.01024	627.11900	3.88181	1400.14000	2134.10001	1.17035	110.60000	.00000	5.76600	45.18000
.800	6.020	4.01603	627.01900	3.88189	1399.75000	2133.60001	1.17038	110.50000	.00000	7.29900	33.78000
	GRADIENT	.00655	-.00067	-.00035	.04392	.04017	-.00000	.04497	.00000	.00495	-11.62127

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R061) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 478/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.042	4.07301	698.41900	3.99922	1232.69000	2084.10001	1.21905	109.90000	.00000	7.31200	146.00000
.900	-4.005	4.01142	699.04300	3.99874	1233.37000	2085.60001	1.21914	110.30000	.00000	5.74400	134.93000
.900	-2.008	3.94778	699.13200	4.00200	1233.57001	2085.89999	1.21911	110.00000	.00000	4.54500	116.92000
.899	-.039	3.94590	698.70200	3.99915	1234.17999	2085.79999	1.21886	110.20000	.00000	4.08000	90.58000
.900	1.990	4.06466	699.25100	3.99854	1233.37000	2085.89999	1.21919	110.40000	.00000	4.64000	63.97000
.900	4.016	4.02500	699.14400	3.99691	1232.97000	2085.39999	1.21925	110.50000	.00000	5.76200	45.10000
.900	6.050	4.04031	698.66900	3.99445	1232.38000	2084.20001	1.21920	110.50000	.00000	7.30200	33.76000
	GRADIENT	.00723	.01630	-.00035	-.05065	-.02020	.00002	.04003	.00000	.00777	-11.60683

RUN NO. 493/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.099	-6.035	4.04047	759.91900	3.87377	898.04100	1916.20000	1.33715	110.70000	.00000	7.22700	146.23000
1.100	-3.964	3.94772	760.23400	3.87356	897.54000	1916.39999	1.33748	110.80000	.00000	5.62600	135.14000
1.100	-2.014	3.94308	759.34100	3.87174	896.56100	1914.20003	1.33746	110.50000	.00000	4.50700	117.05000
1.100	.006	4.00996	759.49600	3.87255	896.75700	1914.60001	1.33746	110.50000	.00000	4.10800	89.92000
1.100	1.993	4.06692	759.67100	3.87588	896.75400	1914.89999	1.33753	110.20000	.00000	4.60600	63.93000
1.099	3.993	4.02135	759.72300	3.87500	898.24300	1916.00000	1.33698	110.50000	.00000	5.69800	45.21000
1.100	5.991	3.99374	760.13400	3.87449	897.93800	1916.50000	1.33729	110.70000	.00000	7.17100	33.68000
	GRADIENT	.01362	-.03429	.00035	.08095	-.00378	-.00005	-.04503	.00000	.01283	-11.69768

RUN NO. 337/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.249	-5.991	3.99525	808.71000	3.90270	740.00200	1915.50000	1.42305	110.30000	.00000	7.16700	146.34000
1.250	-4.006	4.01047	808.46300	3.90035	739.51100	1914.80000	1.42317	110.40000	.00000	5.69400	135.02000
1.250	-1.986	3.95277	808.34600	3.89860	739.11600	1914.39999	1.42329	110.50000	.00000	4.49800	116.69000
1.250	-.037	3.96032	807.92500	3.89926	738.72600	1913.39999	1.42329	110.20000	.00000	4.05400	90.54000
1.250	1.991	4.07236	807.57600	3.89741	738.23500	1912.50000	1.42338	110.20000	.00000	4.60200	63.95000
1.250	4.032	4.04112	807.64200	3.89716	738.63000	1912.80000	1.42322	110.30000	.00000	5.73000	45.03000
1.249	6.026	4.00560	808.47000	3.90125	740.40100	1915.20000	1.42277	110.40000	.00000	7.19700	33.58000
	GRADIENT	.00903	-.12002	-.00038	-.13137	-.29352	.00001	-.02469	.00000	.01000	-11.60129

RUN NO. 500/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.397	-6.045	4.03792	762.33300	3.55121	557.92700	1768.30000	1.49241	110.30000	.00000	7.25300	146.24000
1.398	-4.000	4.01193	762.52800	3.55046	557.03700	1768.70000	1.49295	110.40000	.00000	5.70800	134.88000
1.399	-2.007	3.94880	763.09200	3.55215	557.32800	1770.00000	1.49301	110.50000	.00000	4.52000	116.87000
1.399	-.002	3.96251	762.57900	3.54959	556.74100	1768.80000	1.49312	110.50000	.00000	4.07300	89.98000
1.399	1.968	3.92504	762.15700	3.54890	555.95500	1767.80000	1.49337	110.30000	.00000	4.48500	63.34000
1.398	3.960	3.97745	761.57300	3.54544	556.65200	1766.50000	1.49278	110.50000	.00000	5.66000	45.09000
1.398	6.023	4.01812	760.96800	3.54266	556.26300	1765.10001	1.49275	110.50000	.00000	7.22800	33.68000
	GRADIENT	-.00466	-.14287	-.00067	-.10766	-.33144	.00000	.00004	.00000	-.00697	-11.71551

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R061) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 377/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.449	-5.979	4.00633	757.52700	3.49461	515.23100	1758.30000	1.51340	110.80000	.00000	7.18800	146.17000
1.450	-4.003	4.00094	757.46600	3.49571	514.83600	1758.20000	1.51359	110.60000	.00000	5.70700	135.02000
1.450	-1.968	3.94524	759.59400	3.50273	515.80400	1763.20000	1.51384	110.90000	.00000	4.50300	116.49000
1.450	-.032	3.95275	758.24400	3.49771	515.42200	1760.00000	1.51356	110.80000	.00000	4.06600	90.46000
1.450	1.994	4.07674	756.77100	3.49079	514.25100	1756.60001	1.51365	110.80000	.00000	4.62900	63.98000
1.450	3.994	4.01755	756.94700	3.49165	514.44700	1757.00000	1.51361	110.80000	.00000	5.71200	45.18000
1.451	5.981	3.98328	757.38800	3.49979	514.14600	1758.10001	1.51393	110.00000	.00000	7.17800	33.69000
	GRADIENT	.00825	-.19249	-.00100	-.11655	-.44864	-.00001	.01516	.00000	.00702	-11.63218

RUN NO. 512/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.011	4.06735	719.00500	3.30428	456.40500	1675.89999	1.53229	109.60000	.00000	7.26100	145.90000
1.500	-3.954	3.94489	718.73100	3.30295	456.11100	1675.30000	1.53237	109.60000	.00000	5.64700	135.04000
1.500	-2.003	3.95243	718.31200	3.29874	455.91700	1674.30000	1.53232	109.90000	.00000	4.53400	116.82000
1.500	-.045	3.95655	719.59200	3.30169	456.99300	1677.20000	1.53217	110.30000	.00000	4.07900	90.64000
1.499	1.995	4.06678	718.85700	3.29694	456.80200	1675.39999	1.53201	110.50000	.00000	4.63000	63.91000
1.500	3.993	4.01280	717.89300	3.29686	455.72400	1673.30000	1.53228	109.90000	.00000	5.72000	45.16000
1.500	6.034	4.02135	719.21500	3.30290	456.50200	1676.39999	1.53232	109.90000	.00000	7.25600	33.68000
	GRADIENT	.01262	-.05799	-.00070	.00469	-.14836	-.00002	.05983	.00000	.01393	-11.69888

RUN NO. 394/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.551	-6.014	4.01163	690.60400	3.15433	410.32500	1621.60001	1.54959	110.10000	.00000	7.24500	146.30000
1.550	-3.956	3.94646	689.96900	3.15236	410.33200	1619.89999	1.54936	110.00000	.00000	5.65900	135.00000
1.550	-1.989	3.93719	688.72400	3.14518	409.55200	1617.00000	1.54938	110.20000	.00000	4.52300	116.80000
1.550	.004	4.04698	689.25300	3.14763	409.94300	1618.20000	1.54934	110.20000	.00000	4.17300	90.04000
1.550	2.016	4.02614	689.21300	3.14736	409.74500	1618.20000	1.54944	110.20000	.00000	4.61100	63.46000
1.550	4.023	4.05927	689.64900	3.15244	410.23700	1619.10001	1.54930	109.80000	.00000	5.78000	45.22000
1.550	6.023	3.99149	689.98600	3.15239	410.23300	1620.00000	1.54942	110.00000	.00000	7.24200	33.61000
	GRADIENT	.01575	-.00699	.00012	.00051	-.01871	-.00000	-.02023	.00000	.01747	-11.66787

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R061) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 307/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-5.959	4.02038	1.02163	.65716	.92276	.83729	.66701	-.26560	.17029	-.26414	.17165
.600	-3.997	3.99663	1.04301	.70667	.88885	.88082	.71173	-.18197	.16909	-.18064	.17081
.600	-1.981	3.96277	1.05224	.75487	.84804	.90727	.73917	-.09316	.16810	-.09205	.16934
.600	-.023	3.95614	1.05596	.80167	.80744	.91556	.75103	-.00577	.16453	-.00480	.16567
.599	2.003	4.07740	1.05288	.84338	.76293	.91017	.74070	.08045	.16947	.08058	.17074
.599	4.008	4.02928	1.03905	.88259	.71752	.87945	.71597	.16507	.16347	.16494	.16467
.600	6.047	4.03318	1.01407	.91631	.66700	.83360	.67151	.24932	.16209	.24860	.16316
	GRADIENT	.00902	-.00037	.02200	-.02140	-.00000	.00049	.04340	-.00049	.04320	-.00054

RUN NO. 470/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.800	-6.040	4.03233	1.13506	.74291	.99217	.91863	.75354	-.24926	.16509	-.24896	.16403
.800	-4.010	4.00471	1.15314	.79090	.95851	.95605	.79401	-.16761	.16204	-.16758	.16075
.800	-2.007	3.94419	1.16160	.83706	.92236	.97723	.81950	-.08531	.15776	-.08545	.15623
.800	-.039	3.97388	1.16401	.88031	.88376	.98448	.82919	-.00345	.15529	-.00335	.15380
.799	1.988	4.06402	1.16099	.92097	.84311	.97600	.82150	.07786	.15450	.07711	.15280
.800	3.997	4.01024	1.15127	.95935	.80116	.95121	.80040	.15819	.15081	.15719	.14945
.800	6.020	4.01603	1.13189	.99358	.75685	.91417	.76404	.23673	.15013	.23590	.14878
	GRADIENT	.00655	-.00022	.02103	-.01969	-.00056	.00072	.04072	-.00129	.04059	-.00130

RUN NO. 478/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-6.042	4.07301	1.18805	.80664	1.04481	.97562	.81739	-.23817	.15823	-.23783	.15695
.900	-4.005	4.01142	1.20389	.85270	1.01127	1.00929	.85543	-.15858	.15387	-.15851	.15260
.900	-2.008	3.94778	1.21086	.89533	.97684	1.02760	.87836	-.08151	.14924	-.08148	.14772
.899	-.039	3.94590	1.21423	.93734	.94142	1.03407	.88845	-.00408	.14561	-.00418	.14418
.900	1.990	4.06466	1.20907	.97468	.89978	1.02574	.87900	.07490	.14674	.07415	.14524
.900	4.016	4.02500	1.20082	1.01212	.86030	1.00331	.86002	.15182	.14329	.15075	.14195
.900	6.050	4.04031	1.18473	1.04648	.81954	.97008	.82732	.22694	.14276	.22562	.14169
	GRADIENT	.00723	-.00040	.01987	-.01892	-.00071	.00047	.03878	-.00118	.03863	-.00118

RUN NO. 493/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.099	-6.035	4.04047	1.31120	.96092	1.17652	1.11216	.97137	-.21559	.14079	-.21557	.14020
1.100	-3.964	3.94772	1.32422	1.00209	1.14535	1.14106	1.00528	-.14327	.13578	-.14287	.13519
1.100	-2.014	3.94308	1.33059	1.04019	1.11452	1.15790	1.02451	-.07433	.13339	-.07434	.13231
1.100	.006	4.00996	1.33202	1.07693	1.07953	1.16436	1.03130	-.00260	.13306	-.00257	.13216
1.100	1.993	4.06692	1.32905	1.11123	1.04523	1.15693	1.02552	.06601	.13141	.06526	.13052
1.099	3.993	4.02135	1.32292	1.14548	1.01063	1.13848	1.00933	.13485	.12915	.13400	.12774
1.100	5.991	3.99374	1.30842	1.17582	.97402	1.10899	.98109	.20180	.12789	.20126	.12690
	GRADIENT	.01362	-.00021	.01796	-.01701	-.00032	.00045	.03497	-.00076	.03480	-.00084

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R061) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 337/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.249	-5.991	3.99525	1.35756	1.02365	1.25126	1.18275	1.04277	-.22761	.13998	-.22574	.14237
1.250	-4.006	4.01047	1.37165	1.06320	1.21823	1.21480	1.07260	-.15504	.14220	-.15327	.14460
1.250	-1.986	3.95277	1.38164	1.10574	1.18567	1.23385	1.09432	-.07993	.13954	-.07864	.14163
1.250	-.037	3.96032	1.38235	1.14446	1.15015	1.23651	1.10192	-.00569	.13459	-.00450	.13730
1.250	1.991	4.07236	1.37860	1.18065	1.11383	1.22803	1.09534	.06682	.13269	.06713	.13497
1.250	4.032	4.04112	1.36891	1.21471	1.07807	1.20633	1.07934	.13664	.12699	.13687	.12933
1.249	6.026	4.00560	1.35317	1.24694	1.04069	1.17456	1.05080	.20625	.12376	.20601	.12612
	GRADIENT	.00903	-.00043	.01884	-.01756	-.00115	.00070	.03640	-.00186	.03620	-.00186

RUN NO. 500/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.397	-6.045	4.03792	1.47870	1.04428	1.29160	1.21510	1.06074	-.24732	.15436	-.24743	.15312
1.398	-4.000	4.01193	1.48457	1.08483	1.25004	1.23999	1.08949	-.16521	.15049	-.16515	.15017
1.399	-2.007	3.94880	1.48879	1.12745	1.21409	1.25477	1.11005	-.08664	.14472	-.08662	.14401
1.399	-.002	3.96251	1.49243	1.16901	1.17720	1.26250	1.11774	-.00819	.14476	-.00853	.14372
1.399	1.968	3.92504	1.48769	1.20572	1.13893	1.25437	1.11329	.06680	.14108	.06634	.13991
1.398	3.960	3.97745	1.48159	1.24277	1.09944	1.24057	1.09613	.14333	.14444	.14259	.14322
1.398	6.023	4.01812	1.47381	1.28320	1.05917	1.21842	1.06908	.22403	.14934	.22336	.14843
	GRADIENT	-.00466	-.00035	.01981	-.01891	.00004	.00084	.03873	-.00079	.03862	-.00090

RUN NO. 377/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.449	-5.979	4.00633	1.48711	1.02290	1.28346	1.19328	1.04421	-.26056	.14907	-.26054	.14905
1.450	-4.003	4.00094	1.49938	1.06119	1.24703	1.22065	1.07035	-.18585	.15030	-.18563	.14999
1.450	-1.968	3.94524	1.50104	1.10017	1.20336	1.23566	1.08641	-.10318	.14924	-.10281	.14894
1.450	-.032	3.95275	1.50491	1.14005	1.16494	1.24740	1.09315	-.02489	.15426	-.02470	.15389
1.450	1.994	4.07674	1.50147	1.17857	1.12009	1.24835	1.08485	.05847	.16351	.05798	.16328
1.450	3.994	4.01755	1.49626	1.22348	1.08090	1.23777	1.07276	.14258	.16501	.14201	.16453
1.451	5.981	3.98328	1.48275	1.26243	1.04064	1.21286	1.04848	.22178	.16438	.22110	.16431
	GRADIENT	.00825	-.00029	.02019	-.02082	.00235	.00016	.04102	.00219	.04089	.00218

RUN NO. 512/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.500	-6.011	4.06735	1.51178	.97771	1.25729	1.16941	1.00102	-.27958	.16840	-.27944	.16786
1.500	-3.954	3.94489	1.52027	1.00176	1.19613	1.17414	1.01069	-.19438	.16346	-.19426	.16308
1.500	-2.003	3.95243	1.52269	1.05224	1.16107	1.19604	1.03560	-.10883	.16044	-.10852	.15999
1.500	-.045	3.95655	1.52640	1.08613	1.10801	1.19495	1.03074	-.02188	.16421	-.02202	.16370
1.499	1.995	4.06678	1.52232	1.13407	1.06407	1.19894	1.02745	.07000	.17148	.06941	.17086
1.500	3.993	4.01280	1.51691	1.18977	1.03068	1.19395	1.02434	.15909	.16960	.15862	.16894
1.500	6.034	4.02135	1.50597	1.24549	1.00000	1.17993	1.01218	.24549	.16774	.24474	.16731
	GRADIENT	.01262	-.00036	.02302	-.02151	.00212	.00094	.04453	.00118	.04443	.00114

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R061) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 394/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPP	CPL	CPAD	CPBD	DCPA	DCPB
1.551	-6.014	4.01163	1.54943	.67426	.99706	.9.203	.71197	-.32280	.20005	-.32262	.20046
1.550	-3.956	3.94646	1.54872	.69253	.88673	.87098	.69115	-.19415	.17983	-.19417	.18050
1.550	-1.989	3.93719	1.55175	.74871	.82634	.87121	.70445	-.07763	.16676	-.07808	.16722
1.550	.004	4.04698	1.55138	.79920	.77457	.86267	.70910	.02463	.15358	.02412	.15422
1.550	2.016	4.02614	1.55013	.85253	.73184	.85444	.71630	.12068	.13814	.12012	.13844
1.550	4.023	4.05927	1.54756	.91036	.69508	.85877	.71055	.21528	.14822	.21477	.14852
1.550	6.023	3.99149	1.54894	.99878	.67928	.88448	.72373	.31950	.16075	.31900	.16134
	GRADIENT	.01575	-.00020	.02702	-.02392	-.00206	.00253	.05094	-.00460	.05089	-.00464

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R061) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 307/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-5.959	4.02038	.78923	.75147	.77035	.04227	-.00055
.600	-3.997	3.99663	.79719	.79541	.79630	.04311	-.00020
.600	-1.981	3.96277	.80090	.82260	.81175	.04476	-.00215
.600	-.023	3.95614	.80407	.83272	.81839	.04338	.00094
.599	2.003	4.07740	.80309	.82480	.81395	.04190	.00009
.599	4.008	4.02928	.80012	.79711	.79862	.04168	-.00295
.600	6.047	4.03318	.79201	.75202	.77202	.04071	.00037
	GRADIENT	.00902	.00040	.00027	.00033	-.00029	-.00017

RUN NO. 470/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.800	-6.040	4.03233	.86739	.83661	.85200	.03993	-.00139
.800	-4.010	4.00471	.87469	.87568	.87518	.04039	-.00207
.800	-2.007	3.94419	.87978	.89915	.88946	.04178	-.00197
.800	-.039	3.97388	.88199	.90758	.89478	.04073	-.00051
.799	1.988	4.06402	.88241	.89960	.89100	.03959	-.00119
.800	3.997	4.01024	.88076	.87649	.87862	.03954	-.00123
.800	6.020	4.01603	.87563	.83978	.85771	.03862	.00013
	GRADIENT	.00655	.00074	.00009	.00041	-.00019	.00012

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R061) (14 FEB 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 478/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-6.042	4.07301	.92555	.89714	.91134	.03909	-.00206
.900	-4.005	4.01142	.93195	.93299	.93247	.03862	-.00228
.900	-2.008	3.94778	.93607	.95374	.94490	.03895	-.00255
.899	-.039	3.94690	.93943	.96198	.95070	.03912	-.00023
.900	1.990	4.06466	.93761	.95312	.94536	.03821	-.00044
.900	4.016	4.02500	.93675	.93233	.93454	.03726	-.00132
.900	6.050	4.04031	.93367	.89923	.91645	.03659	.00047
	GRADIENT	.00723	.00055	-.00012	.00022	-.00017	.00020

RUN NO. 493/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.099	-6.035	4.04047	1.06871	1.04206	1.05538	.03515	-.00256
1.100	-3.964	3.94772	1.07352	1.07346	1.07349	.03501	-.00213
1.100	-2.014	3.94308	1.07736	1.09174	1.08455	.03554	-.00060
1.100	.006	4.00996	1.07821	1.09828	1.08825	.03482	-.00019
1.100	1.993	4.06692	1.07860	1.09167	1.08513	.03414	-.00137
1.099	3.993	4.02135	1.07848	1.07461	1.07654	.03413	-.00098
1.100	5.991	3.99374	1.07519	1.04554	1.06036	.03342	-.00014
	GRADIENT	.01362	.00056	.00010	.00033	-.00016	.00008

RUN NO. 337/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.249	-5.991	3.99525	1.13652	1.11156	1.12404	.03652	.00173
1.250	-4.006	4.01047	1.13983	1.14250	1.14117	.03649	-.00009
1.250	-1.986	3.95277	1.14506	1.16304	1.15405	.03787	-.00239
1.250	-.037	3.96032	1.14671	1.16786	1.15729	.03701	-.00146
1.250	1.991	4.07236	1.14708	1.16054	1.15381	.03427	-.00194
1.250	4.032	4.04112	1.14627	1.14167	1.14397	.03436	-.00250
1.249	6.026	4.00560	1.14393	1.11150	1.12772	.03485	-.00117
	GRADIENT	.00903	.00074	-.00023	.00026	-.00039	-.00022

RUN NO. 500/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.397	-6.045	4.03792	1.16800	1.13854	1.15327	.04044	-.00073
1.398	-4.000	4.01193	1.16741	1.16490	1.16616	.03981	-.00287
1.399	-2.007	3.94880	1.17076	1.18277	1.17676	.03920	-.00145
1.399	-.002	3.96251	1.17327	1.19064	1.18196	.03842	-.00106
1.399	1.968	3.92504	1.17255	1.18442	1.17848	.03791	-.00062
1.398	3.960	3.97745	1.17148	1.16896	1.17022	.03876	.00269
1.398	6.023	4.01812	1.17152	1.14421	1.15786	.03935	.00244
	GRADIENT	-.00466	.00050	.00050	.00050	-.00017	.00060

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R061) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 377/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.449	-5.979	4.00633	1.15317	1.11876	1.13596	.03716	.00090
1.450	-4.003	4.00096	1.15400	1.14566	1.14983	.03943	-.00038
1.450	-1.968	3.94524	1.15158	1.16119	1.15638	.04085	.00052
1.450	-.032	3.95275	1.15240	1.17045	1.16143	.04020	.00452
1.450	1.994	4.07674	1.14958	1.16671	1.15815	.04180	.00289
1.450	3.994	4.01755	1.15248	1.15551	1.15399	.04114	-.00034
1.451	5.981	3.98328	1.15188	1.13070	1.14129	.03913	.00001
	GRADIENT	.00825	-.00025	.00126	.00050	.00022	.00012

RUN NO. 512/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.500	-6.011	4.06735	1.11743	1.08548	1.10145	.04073	-.00233
1.500	-3.954	3.94489	1.09889	1.09260	1.09575	.04278	-.00232
1.500	-2.003	3.95243	1.10650	1.11605	1.11127	.04430	-.00012
1.500	-.045	3.95655	1.09714	1.11310	1.10512	.04438	.00373
1.499	1.995	4.06678	1.09937	1.11351	1.10644	.04515	.00135
1.500	3.993	4.01280	1.11046	1.10948	1.10997	.04348	-.00156
1.500	6.034	4.02135	1.12312	1.09627	1.10970	.04154	-.00042
	GRADIENT	.01262	.00081	.00155	.00118	.00011	.00014

RUN NO. 394/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.551	-6.014	4.01163	.83557	.81180	.82369	.06285	-.01040
1.550	-3.956	3.94646	.78966	.78073	.78520	.06157	-.00830
1.550	-1.989	3.93719	.78775	.78760	.78768	.05514	-.00565
1.550	.004	4.04698	.78714	.78556	.78635	.04880	-.00891
1.550	2.016	4.02614	.79247	.78522	.78885	.04661	-.00177
1.550	4.023	4.05927	.80297	.78451	.79374	.04945	.00756
1.550	6.023	3.99149	.83929	.80381	.82155	.05341	.00583
	GRADIENT	.01575	.00158	.00026	.00092	-.00164	.00179

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R062) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.997 BETA = 4.000
PHI = .000

RUN NO. 330/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.979	4.00773	698.66200	3.99902	1231.59000	2083.50000	1.21933	109.90000	.00000	7.22700	146.19000
.900	-3.995	4.01168	698.05400	3.99603	1231.80000	2082.79999	1.21909	109.90000	.00000	5.73700	134.90000
.900	-2.019	3.97196	698.49100	3.99877	1231.99001	2083.60001	1.21920	109.90000	.00000	4.56900	116.95000
.899	-.047	3.94567	697.60500	3.99375	1232.21001	2082.50000	1.21887	110.10000	.00000	4.07700	90.73000
.900	1.984	4.04721	698.36200	3.99657	1232.09000	2083.50000	1.21915	110.10000	.00000	4.61800	63.95000
.900	4.034	4.05249	698.54200	3.99876	1231.78999	2083.50000	1.21927	109.90000	.00000	5.78900	45.17000
.899	6.017	4.00274	697.66900	3.99635	1233.60001	2083.79999	1.21863	110.00000	.00000	7.25200	33.65000
	GRADIENT	.00790	.04286	.00008	.00347	.06529	.00002	.00971	.00000	.00973	-11.58675

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R062) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.997 BETA = 4.000
PHI = .000

RUN NO. 330/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-5.979	4.00773	1.15200	.80285	1.04676	.97494	.82087	-.24391	.15408	-.24171	.15608
.900	-3.995	4.01168	1.16752	.84494	1.01326	1.00944	.85530	-.16832	.15413	-.16599	.15586
.900	-2.019	3.97196	1.17579	.88867	.97880	1.02830	.87945	-.09013	.14886	-.08823	.15061
.899	-.047	3.94567	1.17805	.92978	.94250	1.03492	.88868	-.01272	.14623	-.01128	.14801
.900	1.984	4.04721	1.17442	.96953	.90260	1.02693	.88197	.06693	.14496	.06759	.14701
.900	4.034	4.05249	1.16487	1.00599	.86141	1.00381	.86128	.14458	.14253	.14479	.14444
.899	6.017	4.00274	1.14833	1.04048	.82069	.96877	.82871	.21979	.14005	.21980	.14209
	GRADIENT	.00790	-.00035	.02008	-.01894	-.00067	.00068	.03902	-.00135	.03875	-.00132

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R062) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.997 BETA = 4.000
PHI = .000

RUN NO. 330/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-5.979	4.00773	.92371	.89690	.91030	.03782	.00065
.900	-3.995	4.01168	.92794	.93151	.92973	.03885	-.00163
.900	-2.019	3.97196	.93279	.95300	.94289	.03931	-.00244
.899	-.047	3.94567	.93542	.96092	.94817	.03901	-.00054
.900	1.984	4.04721	.93574	.95343	.94458	.03823	-.00084
.900	4.034	4.05249	.93359	.93159	.93259	.03756	-.00134
.899	6.017	4.00274	.93058	.89772	.91415	.03794	-.00111
	GRADIENT	.00790	.00070	-.00001	.00035	-.00018	.00011

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R063) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.002 BETA = 4.000
PHI = .000

RUN NO. 331/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.899	-5.979	4.07292	698.09700	3.99720	1233.69000	2084.50000	1.21874	110.10000	.00000	7.26200	145.75000
.899	-4.030	4.03568	699.21500	4.00308	1235.16000	2087.39999	1.21885	110.10000	.00000	5.77700	134.98000
.900	-1.961	3.91805	699.97400	4.00699	1234.35001	2087.79999	1.21926	109.90000	.00000	4.49700	116.60000
.900	-.027	3.97454	698.34300	3.99810	1231.89000	2083.29999	1.21917	109.90000	.00000	4.10500	90.43000
.900	2.005	4.01462	698.34300	3.99810	1231.89000	2083.29999	1.21917	109.90000	.00000	4.59900	63.53000
.900	4.008	4.01076	700.50600	4.00939	1235.53000	2089.60001	1.21922	110.00000	.00000	5.74200	45.06000
.900	5.965	3.96053	698.75500	3.99933	1233.28000	2085.10001	1.21905	110.10000	.00000	7.18600	33.60000
	GRADIENT	.00224	.04881	.00019	-.08475	-.00210	.00003	-.01008	.00000	.00121	-11.61582

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R063) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.002 BETA = 4.000
PHI = .000

RUN NO. 331/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.899	-5.979	4.07292	1.14949	.80038	1.04565	.97365	.81877	-.24528	.15488	-.24304	.15695
.899	-4.030	4.03568	1.16749	.84477	1.01384	1.00964	.85604	-.16908	.15360	-.16703	.15554
.900	-1.961	3.91805	1.17705	.89112	.98003	1.02865	.88262	-.08891	.14603	-.08699	.14799
.900	-.027	3.97454	1.17762	.93050	.94114	1.03397	.88895	-.01064	.14503	-.00940	.14688
.900	2.005	4.01462	1.17445	.97046	.90185	1.02540	.88239	.06862	.14301	.06923	.14513
.900	4.008	4.01076	1.16564	1.00700	.86218	1.00276	.86248	.14482	.14028	.14514	.14213
.900	5.965	3.96053	1.15159	1.04227	.82372	.96989	.83270	.21855	.13719	.21833	.13908
	GRADIENT	.00224	-.00031	.02015	-.01903	-.00084	.00064	.03918	-.00148	.03894	-.00148

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R063) (14 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.002 BETA = 4.000
PHI = .000

RUN NO. 331/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.899	-5.979	4.07292	.92190	.89517	.90853	.03921	.00026
.899	-4.030	4.03568	.92828	.93187	.93008	.03859	-.00270
.900	-1.961	3.91805	.93461	.95465	.94463	.03955	-.00240
.900	-.027	3.97454	.93520	.96053	.94787	.03970	-.00013
.900	2.005	4.01462	.93585	.95284	.94434	.03811	-.00135
.900	4.008	4.01076	.93443	.93170	.93306	.03762	-.00157
.900	5.965	3.96053	.93310	.90035	.91673	.03730	-.00155
	GRADIENT	.00224	.00068	-.00010	.00029	-.00017	.00016

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R064) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 308/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-6.005	6.01051	496.08400	3.84481	1976.03000	2518.20001	1.09290	110.30000	.00000	8.57600	134.85000
.599	-3.991	5.99489	496.61700	3.84692	1976.71001	2519.50000	1.09298	110.40000	.00000	7.30900	123.56000
.600	-1.988	5.97058	497.91700	3.85380	1973.69000	2518.10001	1.09338	110.00000	.00000	6.42200	108.36000
.600	-.005	6.00503	497.13700	3.84832	1973.41000	2516.89999	1.09322	110.20000	.00000	6.14200	90.07000
.600	1.991	6.02360	496.96000	3.84737	1973.22000	2516.50000	1.09321	110.20000	.00000	6.47200	71.80000
.599	4.017	6.01534	495.70900	3.84121	1974.74001	2516.50000	1.09290	110.40000	.00000	7.33900	56.39000
.599	6.016	6.01938	496.34500	3.84349	1976.12000	2518.60001	1.09295	110.60000	.00000	8.58800	45.15000
	GRADIENT	.00469	-.13898	-.00089	-.21977	-.37968	-.00002	.01005	.00000	.00591	-8.54606

RUN NO. 471/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.006	6.01081	627.68200	3.88433	1399.53000	2134.29999	1.17061	110.50000	.00000	8.52200	134.90000
.800	-4.021	6.03820	627.16900	3.88249	1399.74001	2133.79999	1.17043	110.50000	.00000	7.31400	123.59000
.800	-1.979	6.02624	626.96900	3.88209	1400.14999	2133.89993	1.17031	110.50000	.00000	6.42900	108.14000
.800	.017	6.00266	626.78200	3.88106	1400.75000	2134.20001	1.17018	110.60000	.00000	6.09900	89.86000
.800	1.997	5.95221	627.00000	3.88152	1399.45000	2133.29999	1.17041	110.50000	.00000	6.36600	71.53000
.800	3.965	5.97494	626.48000	3.87694	1399.56000	2132.70001	1.17025	110.80000	.00000	7.23200	56.54000
.800	5.977	5.95627	626.24800	3.87854	1399.47000	2132.29999	1.17019	110.50000	.00000	8.46400	45.01000
	GRADIENT	-.01006	-.06751	-.00058	-.05234	-.13961	-.00001	.02998	.00000	-.01259	-8.55750

RUN NO. 479/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.901	-6.035	6.02745	697.97500	3.99980	1228.81000	2080.10001	1.21966	109.20000	.00000	8.50900	134.99000
.900	-3.998	6.01926	698.89400	3.99174	1233.28000	2085.29999	1.21910	111.00000	.00000	7.24700	123.56000
.900	-2.006	6.05162	698.82700	3.99527	1232.58000	2084.60001	1.21921	110.50000	.00000	6.42500	108.31000
.900	.025	5.96591	698.89900	3.99302	1231.88000	2084.10001	1.21936	110.70000	.00000	6.03000	89.78000
.900	1.996	5.95660	698.42400	3.99057	1231.28999	2082.89999	1.21933	110.70000	.00000	6.33600	71.52000
.900	3.961	5.92755	698.15500	3.99324	1231.39999	2082.60001	1.21921	110.30000	.00000	7.15400	56.31000
.900	6.050	6.04058	698.35200	3.99191	1231.99001	2083.39999	1.21917	110.60000	.00000	8.52700	45.02000
	GRADIENT	-.01400	-.09416	-.00009	-.25392	-.35638	.00002	-.06008	.00000	-.01466	-8.59963

RUN NO. 494/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-5.999	6.01933	759.14600	3.86824	896.46500	1913.80000	1.33740	110.80000	.00000	8.40300	134.90000
1.100	-4.006	6.03197	758.73600	3.86756	896.47100	1913.10001	1.33722	110.70000	.00000	7.19800	123.59000
1.100	-2.006	6.06474	759.30200	3.86874	896.36300	1914.00000	1.33751	110.80000	.00000	6.38100	108.30000
1.100	.039	5.94596	759.82700	3.87314	896.95000	1915.30000	1.33753	110.60000	.00000	5.95800	89.63000
1.100	2.006	5.98798	760.38600	3.87499	898.33200	1917.20000	1.33725	110.80000	.00000	6.31200	71.49000
1.100	3.956	5.91939	760.71600	3.87943	898.82300	1918.10001	1.33721	110.50000	.00000	7.08300	56.26000
1.099	6.001	6.01008	760.36400	3.87809	898.82900	1917.50000	1.33706	110.50000	.00000	8.40000	45.07000
	GRADIENT	-.01517	.25315	.00150	.33421	.66202	-.00001	-.02001	.00000	-.01631	-8.60215

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R064) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 338/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-5.983	6.00680	808.20800	3.89956	738.82100	1914.00000	1.42337	110.30000	.00000	8.38200	134.88000
1.250	-4.006	6.00868	808.42700	3.90081	739.21400	1914.60001	1.42328	110.30000	.00000	7.17600	123.71000
1.250	-1.993	5.97736	807.11900	3.89562	738.24100	1911.60001	1.42318	110.20000	.00000	6.29300	108.47000
1.250	-.024	5.97802	807.17000	3.89582	738.24000	1911.70000	1.42321	110.20000	.00000	5.98200	90.26000
1.251	2.012	6.03049	808.76700	3.90265	738.81400	1915.10001	1.42359	110.20000	.00000	6.34500	71.57000
1.250	3.986	5.98697	808.31100	3.90155	739.51300	1914.50000	1.42310	110.20000	.00000	7.14500	56.35000
1.250	5.971	5.96150	808.30300	3.90222	739.31500	1914.39999	1.42319	110.10000	.00000	8.34000	44.96000
	GRADIENT	.00051	.07124	.00043	.05854	.16587	.00000	-.01001	.00000	-.00055	-8.58532

RUN NO. 501/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.397	-6.025	6.04890	761.04400	3.54255	556.75500	1765.30000	1.49252	110.60000	.00000	8.46500	134.84000
1.397	-3.996	6.01408	760.61300	3.54551	556.46300	1764.30000	1.49252	110.00000	.00000	7.19900	123.56000
1.398	-1.994	6.02803	761.53100	3.54601	556.55300	1766.39993	1.49282	110.40000	.00000	6.36200	108.27000
1.398	.025	5.99165	762.12500	3.54831	557.43600	1767.80000	1.49258	110.50000	.00000	6.01800	89.72000
1.399	2.024	5.97285	762.75200	3.55203	556.83800	1769.20000	1.49314	110.30000	.00000	6.32100	71.26000
1.398	3.966	5.90325	761.79000	3.54640	556.74800	1767.00000	1.49282	110.50000	.00000	7.09600	56.09000
1.398	6.011	6.00550	760.92400	3.54249	556.26300	1765.00000	1.49273	110.50000	.00000	8.42800	44.98000
	GRADIENT	-.01384	.18044	.00040	.04340	.41388	.00005	.04518	.00000	-.01336	-8.62353

RUN NO. 376/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.449	-6.019	6.03371	758.46700	3.50784	515.71600	1760.50000	1.51348	109.70000	.00000	8.45400	134.89000
1.449	-3.986	6.00785	758.98600	3.50616	516.10600	1761.70000	1.51346	110.20000	.00000	7.19200	123.52000
1.450	-1.995	6.05027	758.16100	3.50227	515.42200	1759.80000	1.51353	110.20000	.00000	6.38600	108.24000
1.450	.040	5.98248	756.73900	3.49406	514.44800	1756.50000	1.51352	110.40000	.00000	6.01300	89.62000
1.450	2.001	5.97702	758.37900	3.49596	515.61800	1760.30000	1.51349	111.10000	.00000	6.32100	71.53000
1.449	4.044	5.97654	757.84300	3.49545	515.72200	1759.00000	1.51324	110.90000	.00000	7.19800	55.93000
1.450	6.002	5.96602	757.12300	3.49008	514.64200	1757.39999	1.51357	111.10000	.00000	8.39800	44.86000
	GRADIENT	-.00679	-.10394	-.00138	-.02896	-.24626	-.00002	.11440	.00000	-.00246	-8.56945

RUN NO. 513/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.011	6.02518	718.45300	3.29500	456.41100	1674.50000	1.53208	110.50000	.00000	8.46200	134.89000
1.500	-3.989	5.99656	718.70400	3.29670	456.21000	1675.20000	1.53230	110.40000	.00000	7.20100	123.61000
1.497	-2.002	6.05590	719.92900	3.30188	458.77100	1677.50000	1.53126	110.60000	.00000	6.40700	108.27000
1.500	.044	6.01703	717.60700	3.29233	455.33100	1672.70000	1.53241	110.30000	.00000	6.06100	89.59000
1.500	1.975	5.93198	717.66800	3.29289	455.82500	1672.70000	1.53214	110.30000	.00000	6.28700	71.60000
1.500	4.034	6.00067	718.24600	3.29543	456.01700	1674.10001	1.53224	110.30000	.00000	7.22900	56.11000
1.500	6.036	6.02409	718.71700	3.29991	456.30900	1675.20000	1.53225	110.00000	.00000	8.47900	45.00000
	GRADIENT	-.00571	-.15907	-.00058	-.16757	-.35024	.00004	-.02505	.00000	-.00293	-8.57266

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R064) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 393/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.549	-6.027	6.01640	689.33200	3.15039	410.34000	1618.20000	1.54912	109.90000	.00000	8.48200	134.97000
1.550	-4.034	6.05502	688.81600	3.14552	409.45200	1617.30000	1.54948	110.20000	.00000	7.28500	123.67000
1.549	-1.969	6.01886	689.67400	3.15056	410.73300	1618.89999	1.54899	110.10000	.00000	6.37500	108.17000
1.551	.002	6.00119	690.13300	3.15143	410.03200	1620.50000	1.54960	110.20000	.00000	6.05600	89.95000
1.550	2.033	5.93017	689.16100	3.14803	410.04400	1617.89999	1.54924	110.10000	.00000	6.31400	71.15000
1.549	4.034	6.04535	689.61400	3.15164	410.43600	1618.89999	1.54915	109.90000	.00000	7.27600	56.38000
1.549	6.014	6.02159	688.99300	3.14736	410.14500	1617.39999	1.54911	110.10000	.00000	8.47500	45.08000
	GRADIENT	-.00539	.05401	.00048	.06428	.10946	-.00002	-.02984	.00000	-.00444	-8.52052

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R064) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 308/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-6.005	6.01051	.99113	.61234	.88138	.87790	.61937	-.26904	.25852	-.26751	.25960
.599	-3.991	5.99489	1.01553	.66143	.84419	.92038	.66301	-.18276	.25737	-.18141	.25846
.600	-1.988	5.97058	1.02625	.70950	.80203	.94157	.68970	-.09252	.25187	-.09146	.25305
.600	-.005	6.00503	1.03171	.75512	.76172	.95032	.69988	-.00661	.25044	-.00553	.25131
.600	1.991	6.02360	1.02743	.79792	.71817	.94205	.69098	.07974	.25107	.08010	.25208
.599	4.017	6.01534	1.01491	.84142	.67336	.91852	.66647	.16807	.25204	.16810	.25276
.599	6.016	6.01938	.98877	.87640	.62502	.87690	.62397	.25138	.25293	.25125	.25372
	GRADIENT	.00469	-.00001	.02242	-.02128	-.00017	.00040	.04371	-.00057	.04354	-.00062

RUN NO. 471/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.800	-6.006	6.01081	1.10913	.70392	.95341	.95702	.70947	-.24949	.24755	-.24916	.24678
.800	-4.021	6.03820	1.13060	.75125	.91867	.99380	.74825	-.16742	.24555	-.16747	.24435
.800	-1.979	6.02624	1.14345	.79827	.88259	1.01437	.77315	-.08432	.24122	-.08451	.23973
.800	.017	6.00266	1.14688	.84213	.84330	1.01974	.78258	-.00117	.23716	-.00122	.23568
.800	1.997	5.95221	1.14266	.88472	.80448	1.00839	.77617	.08025	.23221	.07953	.23083
.800	3.965	5.97494	1.13196	.92330	.76412	.98792	.75533	.15918	.23259	.15864	.23124
.800	5.977	5.95627	1.11029	.95949	.71977	.95134	.71879	.23972	.23255	.23895	.23100
	GRADIENT	-.01006	.00011	.02159	-.01941	-.00086	.00089	.04100	-.00175	.04092	-.00176

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (84R064) (13 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 479/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.901	-6.035	6.02745	1.16263	.76975	1.00770	1.00986	.77395	-.23795	.23592	-.23787	.23462
.900	-3.998	6.01926	1.18436	.81712	.97535	1.04560	.81253	-.15823	.23307	-.15836	.23162
.900	-2.006	6.05162	1.19370	.85813	.93917	1.06361	.83290	-.08104	.23071	-.08123	.22931
.900	.025	5.96591	1.19779	.90312	.90294	1.06713	.84394	.00019	.22319	-.00029	.22189
.900	1.995	5.95660	1.19410	.94196	.86608	1.05783	.83755	.07588	.22029	.07501	.21906
.900	3.961	5.92755	1.18373	.97928	.82764	1.03783	.81847	.15163	.21937	.15058	.21804
.900	6.050	6.04058	1.16230	1.01337	.78155	1.00584	.78038	.23182	.22547	.23084	.22437
	GRADIENT	-.01400	-.00003	.02049	-.01850	-.00105	.00085	.03899	-.00190	.03886	-.00188

RUN NO. 494/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.100	-5.999	6.01933	1.29094	.93039	1.14363	1.14672	.93411	-.21324	.21261	-.21327	.21192
1.100	-4.006	6.03197	1.30691	.96930	1.11373	1.17531	.96464	-.14442	.21067	-.14451	.20992
1.100	-2.006	6.06474	1.31515	1.00710	1.08075	1.19063	.98298	-.07365	.20771	-.07360	.20684
1.100	.039	5.94596	1.31959	1.04812	1.04835	1.19419	.99340	-.00023	.20079	-.00049	.19978
1.100	2.006	5.98798	1.31646	1.08237	1.01429	1.18832	.98728	.06808	.20105	.06743	.20020
1.100	3.956	5.91939	1.30792	1.11665	.98150	1.16946	.97242	.13514	.19703	.13474	.19621
1.099	6.001	6.01008	1.29013	1.14739	.94124	1.14279	.94025	.20614	.20254	.20543	.20172
	GRADIENT	-.01517	.00018	.01856	-.01660	-.00068	.00102	.03516	-.00171	.03509	-.00171

RUN NO. 338/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.250	-5.983	6.00680	1.33876	.99354	1.22219	1.21989	1.00412	-.22865	.21577	-.22653	.21790
1.250	-4.006	6.00868	1.35232	1.03274	1.18712	1.24790	1.03359	-.15438	.21431	-.15274	.21613
1.250	-1.993	5.97736	1.36384	1.07571	1.15353	1.26498	1.05478	-.07782	.21019	-.07653	.21233
1.250	-.024	5.97802	1.36604	1.11383	1.11910	1.26760	1.06222	-.00527	.20538	-.00408	.20740
1.251	2.012	6.03049	1.36201	1.15001	1.08242	1.25951	1.05517	.06760	.20435	.06786	.20641
1.250	3.986	5.98697	1.35183	1.18500	1.04828	1.23886	1.03964	.13672	.19922	.13722	.20137
1.250	5.971	5.96150	1.33906	1.22002	1.01376	1.21233	1.01399	.20626	.19834	.20606	.20042
	GRADIENT	.00051	-.00014	.01895	-.01745	-.00118	.00063	.03640	-.00180	.03623	-.00177

RUN NO. 501/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.397	-6.025	6.04890	1.45991	1.01318	1.26361	1.25644	1.01824	-.25043	.23820	-.25066	.23762
1.397	-3.996	6.01408	1.47499	1.05683	1.22607	1.28194	1.04985	-.16925	.23209	-.16907	.23139
1.398	-1.994	6.02803	1.48143	1.09883	1.18640	1.29636	1.06831	-.08757	.22806	-.08766	.22736
1.398	.025	5.99165	1.48126	1.13979	1.14802	1.29942	1.07590	-.00823	.22352	-.00816	.22284
1.399	2.024	5.97285	1.48028	1.17966	1.10914	1.29479	1.07070	.07052	.22409	.06997	.22328
1.398	3.966	5.90325	1.47369	1.21867	1.07206	1.28069	1.05642	.14660	.22428	.14615	.22356
1.398	6.011	6.00550	1.45723	1.25617	1.02809	1.25854	1.02585	.22809	.23269	.22713	.23201
	GRADIENT	-.01384	-.00018	.02029	-.01932	-.00019	.00080	.03961	-.00099	.03952	-.00099

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R064) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 376/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.449	-6.019	6.03371	1.47000	.99244	1.25948	1.23652	.99991	-.26704	.23661	-.26698	.23663
1.449	-3.986	6.00785	1.48332	1.03364	1.21909	1.26412	1.02899	-.18525	.23514	-.18493	.23474
1.450	-1.995	6.05027	1.49098	1.07288	1.17818	1.28246	1.04503	-.10530	.23743	-.10509	.23678
1.450	.040	5.98248	1.49302	1.11311	1.13615	1.28939	1.05155	-.02304	.23784	-.02293	.23732
1.450	2.001	5.97702	1.49105	1.15464	1.09631	1.28928	1.04884	.05834	.24044	.05804	.24033
1.449	4.044	5.97654	1.48286	1.19724	1.05341	1.27654	1.03365	.14382	.24289	.14393	.24268
1.450	6.002	5.96602	1.46795	1.23659	1.01140	1.25377	1.00684	.22518	.24693	.22446	.24605
	GRADIENT	-.00679	-.00004	.02037	-.02060	.00157	.00065	.04097	.00092	.04093	.00097

RUN NO. 513/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.500	-6.011	6.02518	1.50116	.95880	1.23812	1.22410	.96599	-.27932	.25811	-.27929	.25745
1.500	-3.989	5.99656	1.50831	.99348	1.18536	1.23881	.98449	-.19188	.25432	-.19181	.25421
1.497	-2.002	6.05590	1.51550	1.03146	1.13868	1.25264	.99533	-.10722	.25730	-.10724	.25689
1.500	.044	6.01703	1.51366	1.07117	1.08757	1.25155	.99630	-.01640	.25525	-.01639	.25494
1.500	1.975	5.93198	1.51328	1.12229	1.05269	1.25373	1.00107	.06961	.25266	.06908	.25246
1.500	4.034	6.00067	1.50517	1.17407	1.01241	1.24692	.99097	.16166	.25595	.16100	.25592
1.500	6.036	6.02409	1.49652	1.22897	.98015	1.23501	.97671	.24881	.25830	.24805	.25767
	GRADIENT	-.00571	-.00043	.02257	-.02157	.00086	.00093	.04415	-.00007	.04405	-.00005

RUN NO. 393/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.549	-6.027	6.01640	1.54853	.70515	1.03495	1.02667	.71048	-.32980	.31619	-.32968	.31688
1.550	-4.034	6.05502	1.55128	.71827	.92847	.98916	.68444	-.21021	.30472	-.21052	.30483
1.549	-1.969	6.01886	1.55125	.75663	.84778	.96629	.68136	-.09115	.28493	-.09133	.28514
1.551	.002	6.00119	1.54675	.79230	.77543	.93744	.66117	.01687	.27627	.01645	.27656
1.550	2.033	5.93017	1.54945	.85745	.73846	.94124	.67735	.11899	.26390	.11860	.26433
1.549	4.034	6.04535	1.55164	.95237	.73104	.98410	.70197	.22133	.28213	.22073	.28235
1.549	6.014	6.02159	1.54661	1.04903	.72237	1.01323	.72369	.32667	.28954	.32612	.28989
	GRADIENT	-.00539	-.00005	.02825	-.02505	-.00176	.00154	.05330	-.00330	.05326	-.00328

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R064) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 308/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-6.005	6.01051	.74609	.74809	.74709	.04207	.00011
.599	-3.991	5.99489	.75214	.79115	.77164	.04410	-.00193
.600	-1.988	5.97058	.75523	.81504	.78514	.04447	-.00222
.600	-.005	6.00503	.75788	.82466	.79127	.04270	.00008
.600	1.991	6.02360	.75787	.81601	.78694	.04342	.00043
.599	4.017	6.01534	.75737	.79213	.77475	.04266	.00037
.599	6.016	6.01938	.75077	.75004	.75041	.04106	.00053
	GRADIENT	.00469	.00065	.00013	.00039	-.00020	.00036

RUN NO. 471/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.800	-6.006	6.01081	.82851	.83363	.83107	.04141	-.00091
.800	-4.021	6.03820	.83498	.87163	.85331	.04069	-.00185
.800	-1.979	6.02624	.84053	.89451	.86752	.04123	-.00212
.800	.017	6.00266	.84274	.90190	.87232	.04150	-.00254
.800	1.997	5.95221	.84496	.89298	.86897	.04036	-.00116
.800	3.965	5.97494	.84399	.87230	.85814	.04003	.00046
.800	5.977	5.95627	.84002	.83584	.83793	.03985	-.00041
	GRADIENT	-.01006	.00113	.00002	.00058	-.00011	.00028

RUN NO. 479/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.901	-6.035	6.02745	.88869	.89255	.89062	.03923	-.00178
.900	-3.998	6.01926	.89630	.92979	.91304	.03864	-.00086
.900	-2.006	6.05162	.89875	.94895	.92385	.03948	-.00266
.900	.025	5.96591	.90327	.95618	.92973	.03914	-.00288
.900	1.996	5.95660	.90445	.94830	.92638	.03808	-.00102
.900	3.961	5.92755	.90399	.92881	.91640	.03855	.00110
.900	6.050	6.04058	.89795	.89365	.89580	.03834	.00400
	GRADIENT	-.01400	.00106	-.00011	.00047	-.00008	.00028

RUN NO. 494/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.100	-5.999	6.01933	1.03702	1.04076	1.03889	.03430	-.00109
1.100	-4.006	6.03197	1.04156	1.07035	1.05595	.03492	-.00084
1.100	-2.006	6.06474	1.04390	1.08727	1.06559	.03590	-.00318
1.100	.039	5.94596	1.04836	1.09430	1.07133	.03514	-.00136
1.100	2.006	5.98798	1.04865	1.08822	1.06844	.03435	-.00095
1.100	3.956	5.91939	1.04928	1.07135	1.06032	.03459	-.00039
1.099	6.001	6.01008	1.04467	1.04193	1.04330	.03455	.00424
	GRADIENT	-.01517	.00102	.00017	.00060	-.00011	.00016

!A132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R064) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 338/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.250	-5.983	6.06680	1.10680	1.11094	1.10887	.03714	-.00073
1.250	-4.006	6.00868	1.10911	1.13983	1.12447	.03771	-.00123
1.250	-1.993	5.97736	1.11398	1.15882	1.13640	.03758	-.00269
1.250	-.024	5.97802	1.11587	1.16390	1.13988	.03592	-.00121
1.251	2.012	6.03049	1.11608	1.15631	1.13619	.03514	-.00151
1.250	3.986	5.98697	1.11639	1.13818	1.12728	.03494	-.00197
1.250	5.971	5.96150	1.11699	1.11212	1.11456	.03455	.00026
	GRADIENT	.00051	.00083	-.00029	.00027	-.00040	-.00001

RUN NO. 501/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.397	-6.025	6.04890	1.13851	1.13763	1.13807	.03999	-.00343
1.397	-3.996	6.01408	1.14137	1.16625	1.15381	.04063	-.00236
1.398	-1.994	6.02803	1.14266	1.18268	1.16267	.04011	-.00236
1.398	.025	5.99165	1.14387	1.18800	1.16593	.03904	-.00092
1.399	2.024	5.97285	1.14468	1.18315	1.16391	.03913	.00004
1.398	3.966	5.90325	1.14560	1.16891	1.15725	.03941	.00183
1.398	6.011	6.00550	1.14261	1.14254	1.14257	.03970	.00528
	GRADIENT	-.01384	.00053	.00031	.00042	-.00017	.0005-

RUN NO. 376/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.449	-6.019	6.03371	1.12593	1.11821	1.12207	.04044	-.00154
1.449	-3.986	6.00785	1.12631	1.14675	1.13653	.04021	.00029
1.450	-1.995	6.05027	1.12542	1.16407	1.14475	.04010	.00070
1.450	.040	5.98248	1.12457	1.17073	1.14765	.04075	.00081
1.450	2.001	5.97702	1.12562	1.16912	1.14737	.04189	.00149
1.449	4.044	5.97654	1.12528	1.15520	1.14024	.04168	.00131
1.450	6.002	5.96602	1.12436	1.13075	1.12755	.04085	.00193
	GRADIENT	-.00679	-.00009	.00109	.00050	.00023	.00014

RUN NO. 513/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.500	-6.011	6.02518	1.09844	1.09537	1.09691	.04359	-.00254
1.500	-3.989	5.99656	1.08939	1.11171	1.10055	.04261	.00027
1.497	-2.002	6.05590	1.08508	1.12419	1.10464	.04345	.00073
1.500	.044	6.01703	1.07936	1.12408	1.10172	.04450	-.00194
1.500	1.975	5.93198	1.08775	1.12750	1.10763	.04449	.00031
1.500	4.034	6.00067	1.09357	1.11896	1.10627	.04419	.00172
1.500	6.036	6.02409	1.10494	1.10617	1.10556	.04313	.00046
	GRADIENT	-.00571	.00055	.00088	.00072	.00021	.00012

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R064) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 393/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.549	-6.027	6.01640	.86999	.86823	.86911	.06021	-.00464
1.550	-4.034	6.05502	.82353	.83675	.83014	.05896	-.00886
1.549	-1.969	6.01886	.80229	.82372	.81301	.05650	-.00649
1.551	.002	6.00119	.78407	.79916	.79162	.05217	-.00654
1.550	2.033	5.93017	.79815	.80908	.80361	.04990	.00172
1.549	4.034	6.04535	.84200	.84293	.84247	.05231	.00884
1.549	6.014	6.02159	.88597	.86828	.87713	.05368	.00130
	GRADIENT	-.00539	.00162	-.00012	.00075	-.00099	.00216

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R065) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 4.001 BETA = 6.000
PHI = .000

RUN NO. 327/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.958	5.98301	699.16300	4.00171	1233.17000	2085.60001	1.21921	110.00000	.00000	8.42400	134.86000
.900	-4.009	6.01815	698.59600	3.99942	1233.08000	2084.70001	1.21903	110.00000	.00000	7.25000	123.66000
.900	-1.961	5.94577	698.90900	4.00129	1231.98000	2084.20001	1.21936	109.80000	.00000	6.31200	108.26000
.899	.001	5.99972	697.90300	3.99511	1232.39999	2083.10001	1.21894	110.10000	.00000	6.05900	90.03000
.900	1.998	6.01732	699.10500	4.00087	1232.57001	2085.00000	1.21932	110.00000	.00000	6.38800	71.69000
.899	4.006	6.01602	698.92000	4.00372	1234.27000	2086.20001	1.21892	109.80000	.00000	7.24500	56.40000
.899	6.038	6.01306	699.60800	4.00584	1236.35001	2089.00000	1.21874	110.10000	.00000	8.49600	44.95000
	GRADIENT	.00331	.04247	.00041	.14795	.18992	-.00001	-.01018	.00000	.00291	-8.55762

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R065) (13 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 4.001 BETA = 6.000
PHI = .000

RUN NO. 327/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-5.958	5.98301	1.12981	.77417	1.01235	1.01242	.77954	-.23818	.23288	-.23580	.23410
.900	-4.009	6.01815	1.14789	.81603	.97867	1.04556	.81360	-.16263	.23196	-.16058	.23325
.900	-1.961	5.94577	1.15926	.86118	.94363	1.06301	.83763	-.08245	.22538	-.08058	.22663
.899	.001	5.99972	1.16222	.90070	.90539	1.07023	.84406	-.00469	.22617	-.00308	.22751
.900	1.998	6.01732	1.15868	.94131	.86761	1.06026	.83845	.07370	.22180	.07448	.22291
.899	4.006	6.01602	1.14684	.97773	.82651	1.03899	.81744	.15122	.22155	.15134	.22284
.899	6.038	6.01306	1.12675	1.01281	.78381	1.00481	.78313	.22900	.22167	.22905	.22297
	GRADIENT	.00331	-.00013	.02019	-.01903	-.00079	.00043	.03921	-.00122	.03897	-.00123

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R065) (14 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 4.001 BETA = 6.000
PHI = .000

RUN NO. 327/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-5.958	5.98301	.89207	.89537	.89372	.03851	.00063
.900	-4.009	6.01815	.89632	.92894	.91263	.03876	-.00256
.900	-1.961	5.94577	.90147	.94969	.92558	.03941	-.00124
.899	.001	5.99972	.90224	.95648	.92936	.03928	-.00063
.900	1.998	6.01732	.90407	.94881	.92644	.03848	-.00172
.899	4.006	6.01602	.90206	.92757	.91482	.03822	.00049
.899	6.038	6.01306	.89829	.89332	.89581	.03825	-.00015
	GRADIENT	.00331	.00071	-.00017	.00027	-.00010	.00028

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R266) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 446/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
.599	-31.520	.00000	321.70900	2.49855	1280.99001	1632.60001	1.09291	109.30000	-.00398	.24100	-31.52000
.598	.000	.00000	320.61700	2.49274	1282.00999	1632.30000	1.09255	109.60000	-.00364	.24200	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R266) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 436/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
.799	-31.440	.00000	322.15900	2.00183	720.23600	1097.20000	1.17012	109.10000	.00143	.24800	-31.44000
.800	.010	.00000	322.65300	2.00495	720.92400	1098.50000	1.17022	109.00000	.00105	.24700	.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 435/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
.900	-31.440	.00000	349.80300	2.00365	617.13600	1043.60001	1.21915	109.70000	-.00106	.24500	-31.44000
.899	-.070	.00000	348.37200	1.99885	615.27000	1039.89999	1.21890	109.10000	-.00048	.24600	-.07000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 425/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.100	-31.490	.00000	372.42200	1.90219	439.53300	938.70000	1.33760	109.70000	-.00154	.24600	-31.49000
1.099	.010	.00000	372.49700	1.90278	440.22800	939.30000	1.33714	109.80000	-.00215	.24500	.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 424/ 0 RN/L = 1.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.251	-31.480	.00000	403.85800	1.95644	368.91400	956.30000	1.42361	108.50000	-.00029	.24600	-31.48000
1.250	.010	.00000	404.41700	1.96023	369.60200	957.70000	1.42345	108.30000	-.00180	.24500	.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 411/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.400	-31.500	.00000	429.97000	2.00300	313.59600	997.30000	1.49341	110.10000	-.00372	.24200	-31.50000
1.399	-.010	.00000	430.04900	2.00504	313.99100	997.50000	1.49310	109.80000	-.00138	.24600	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 423/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.425	-31.500	.00000	431.51200	2.00383	303.68700	1000.80000	1.50373	109.60000	-.00167	.24500	-31.50000
1.425	-.010	.00000	432.24300	2.00760	304.07500	1002.50000	1.50385	109.50000	-.00225	.24400	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 422/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.449	-31.500	.00000	433.28800	2.00402	294.75500	1005.70000	1.51334	109.70000	-.00310	.24400	-31.50000
1.450	-.010	.00000	432.96200	2.00311	294.06400	1005.00000	1.51379	109.50000	-.00155	.24500	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R266) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 421/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.475	-31.520	.00000	434.60900	2.00292	285.31800	1010.50000	1.52319	109.70000	-.00293	.24600	-31.52000
1.475	.010	.00000	434.30000	2.00097	285.02400	1009.80000	1.52328	109.80000	-.00138	.24500	.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 401/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.500	-31.480	.00000	435.76800	2.00125	276.66000	1015.70000	1.53225	109.90000	-.00521	.24200	-31.48000
1.499	.020	.00000	435.58300	1.99913	276.76100	1015.20000	1.53204	110.20000	-.00494	.24200	.02000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 400/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.525	-31.500	.00000	435.95200	1.99638	267.89200	1019.40000	1.54089	110.00000	-.00355	.24300	-31.50000
1.527	.000	.00000	436.87800	1.99925	267.68000	1021.90000	1.54165	110.20000	-.00442	.24200	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 399/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.550	-31.510	.00000	438.90800	2.00245	260.95700	1030.50000	1.54942	110.60000	-.00470	.24300	-31.51000
1.551	-.010	.00000	438.94300	2.00721	260.75600	1030.70000	1.54964	109.60000	-.00497	.24200	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R266) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 446/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.599	-31.520	-.00398	1.09283	.84012	.84679	.83110	.84365	-.00667	-.01255	-.00769	-.00959
.598	.000	-.00364	1.09476	.84262	.84749	.83301	.84531	-.00486	-.01230	-.00589	-.00917
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R266) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 436/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.799	-31.440	.00143	1.16512	.91052	.91947	.90309	.91519	-.00894	-.01211	-.00913	-.00845
.800	.010	.00105	1.16594	.91155	.91922	.90427	.91468	-.00766	-.01041	-.00796	-.00681
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 435/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
.900	-31.440	-.00106	1.21627	.96629	.97371	.95841	.97031	-.00742	-.01190	-.00781	-.00792
.899	-.070	-.00048	1.21483	.96536	.97255	.95783	.96881	-.00720	-.01099	-.00733	-.00787
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 425/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.100	-31.490	-.00154	1.33389	1.10250	1.11083	1.09697	1.10586	-.00833	-.00889	-.00888	-.00653
1.099	.010	-.00215	1.33388	1.10253	1.10989	1.09676	1.10540	-.00736	-.00864	-.00753	-.00592
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 424/ 0 RN/L = 1.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.251	-31.480	-.00029	1.41647	1.16501	1.17794	1.15795	1.17469	-.01292	-.01674	-.01311	-.01416
1.250	.010	-.00180	1.41773	1.16858	1.17657	1.15840	1.17592	-.00798	-.01741	-.00800	-.01532
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 411/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.400	-31.500	-.00372	1.48902	1.19207	1.20329	1.18750	1.19603	-.01123	-.00853	-.01213	-.00651
1.399	-.010	-.00138	1.48854	1.19165	1.20372	1.18687	1.19625	-.01207	-.00937	-.01285	-.00768
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 423/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.425	-31.500	-.00167	1.49287	1.18508	1.20109	1.18284	1.19070	-.01601	-.00786	-.01681	-.00598
1.425	-.010	-.00225	1.49165	1.18310	1.20034	1.17981	1.19082	-.01724	-.01101	-.01808	-.00900
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 422/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.449	-31.500	-.00310	1.50614	1.17652	1.18725	1.17512	1.17596	-.01073	-.00084	-.01093	.00071
1.450	-.010	-.00155	1.50597	1.16944	1.18728	1.17158	1.17196	-.01784	-.00038	-.01803	.00089
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R266) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 421/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.475	-31.520	-.00293	1.51179	1.14011	1.14937	1.13949	1.13690	-.00926	.00260	-.00948	.00416
1.475	.010	-.00138	1.51052	1.13543	1.15393	1.13841	1.13706	-.01843	.00135	-.01894	.00292
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 401/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.500	-31.480	-.00521	1.52372	1.10107	1.11323	1.09664	1.10230	-.01217	-.00566	-.01237	-.00352
1.499	.020	-.00494	1.52373	1.10444	1.12159	1.10335	1.10781	-.01715	-.00446	-.01710	-.00240
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 400/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.525	-31.500	-.00355	1.54812	1.01294	1.02268	.99653	1.02079	-.00974	-.02429	-.01027	-.02241
1.527	.000	-.00442	1.54424	1.00108	1.00833	.98320	1.00714	-.00725	-.02393	-.00704	-.02179
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 399/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.550	-31.510	-.00470	1.56105	1.04207	1.06140	1.02912	1.05672	-.01933	-.02760	-.01961	-.02505
1.551	-.010	-.00497	1.56261	1.04735	1.06194	1.02986	1.06288	-.01459	-.03302	-.01472	-.03058
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R266) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 446/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.599	-31.520	-.00398	.84396	.83590	.83993	.00006	.00001
.598	.000	-.00364	.84557	.83760	.84159	.00006	.00001
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R266) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 436/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.799	-31.440	.00143	.91509	.90731	.91120	.00004	.00005
.800	.010	.00105	.91553	.90768	.91161	.00004	.00005
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 435/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
.900	-31.440	-.00106	.97019	.96237	.96628	.00002	.00000
.899	-.070	-.00048	.96902	.96176	.96539	.00002	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 425/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.100	-31.490	-.00154	1.10694	1.10024	1.10359	.00004	.00002
1.099	.010	-.00215	1.10629	1.09972	1.10301	.00004	.00002
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 424/ 0 RN/L = 1.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.251	-31.480	-.00029	1.17156	1.16503	1.16830	.00016	-.00004
1.250	.010	-.00180	1.17258	1.16606	1.16932	.00016	-.00004
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 411/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.400	-31.500	-.00372	1.19813	1.19076	1.19444	-.00002	-.00004
1.399	-.010	-.00138	1.19808	1.19071	1.19439	-.00002	-.00004
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 423/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.425	-31.500	-.00167	1.19349	1.18583	1.18966	-.00004	-.00010
1.425	-.010	-.00225	1.19214	1.18431	1.18823	-.00004	-.00010
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 422/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.449	-31.500	-.00310	1.18199	1.17477	1.17838	-.00023	.00001
1.450	-.010	-.00155	1.17846	1.17114	1.17480	-.00023	.00001
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R266) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 421/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.475	-31.520	-.00293	1.14485	1.13741	1.14113	-.00030	-.00004
1.475	.010	-.00136	1.14496	1.13695	1.14095	-.00030	-.00004
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 401/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.500	-31.480	-.00521	1.10726	1.09840	1.10283	-.00015	.00004
1.499	.020	-.00494	1.11299	1.10455	1.10877	-.00015	.00004
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 400/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.525	-31.500	-.00355	1.01808	1.00770	1.01289	.00010	.00002
1.527	.000	-.00442	1.00460	.99410	.99935	.00010	.00002
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 399/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.550	-31.510	-.00470	1.05187	1.04164	1.04676	.00016	-.00018
1.551	-.010	-.00497	1.05471	1.04515	1.04993	.00016	-.00018
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R267) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.357 ALPHA = .000
BETA = .000

RUN NO. 502/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.399	-31.520	.00000	762.71200	3.54923	556.64100	1769.10001	1.49322	110.60000	.00089	.24800	-31.52000
1.400	-.020	.00000	762.37600	3.54896	555.95300	1768.30000	1.49346	110.40000	-.00025	.24800	-.02000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R267) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.357 ALPHA = .000
BETA = .000

RUN NO. 503/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.425	-31.520	.00000	759.79900	3.52152	534.46100	1762.20000	1.50387	110.40000	-.00285	.24600	-31.52000
1.425	-.050	.00000	761.05200	3.52413	535.53500	1765.10001	1.50377	110.80000	-.00062	.24600	-.05000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 504/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.451	-31.600	.00000	756.73500	3.48933	513.56000	1756.60001	1.51400	110.90000	-.00281	.24600	-31.60000
1.450	-.050	.00000	758.05300	3.49493	514.93000	1759.60001	1.51376	111.00000	-.00167	.24600	-.05000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 505/ 0 RN/L = 3.32 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.475	-31.590	.00000	721.10300	3.32565	473.49400	1676.60001	1.52313	109.40000	-.00719	.24400	-31.59000
1.475	-.050	.00000	720.95800	3.31973	473.69300	1676.20000	1.52297	110.10000	-.00284	.24400	-.05000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 506/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.500	-31.590	.00000	718.72900	3.30080	456.40800	1675.20000	1.53219	109.90000	-.00406	.24400	-31.59000
1.500	-.040	.00000	717.89000	3.29240	456.02100	1673.20000	1.53211	110.50000	-.00262	.24500	-.04000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 514/ 0 RN/L = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.525	-31.590	.00000	691.81400	3.16656	425.09700	1617.70000	1.54090	110.20000	-.00293	.24600	-31.59000
1.525	-.030	.00000	692.04500	3.16679	425.09500	1618.30000	1.54099	110.30000	-.00370	.24300	-.03000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 515/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.550	-31.590	.00000	689.55200	3.14891	409.94000	1619.00000	1.54944	110.20000	-.00018	.24700	-31.59000
1.550	-.060	.00000	689.00600	3.14347	409.64800	1617.70000	1.54942	110.60000	-.00125	.24600	-.06000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R267) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.357 ALPHA = .000
BETA = .000

RUN NO. 502/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.399	-31.520	.00089	1.49289	1.19182	1.20306	1.18617	1.19673	-.01124	-.01055	-.01156	-.01119
1.400	-.020	-.00025	1.49329	1.19185	1.20310	1.18620	1.19676	-.01125	-.01055	-.01176	-.01098
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 503/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.425	-31.520	-.00285	1.49045	1.17763	1.19607	1.17550	1.18596	-.01845	-.01046	-.01885	-.01099
1.425	-.050	-.00062	1.49020	1.17739	1.19628	1.17384	1.18717	-.01889	-.01333	-.01913	-.01386
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 504/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.451	-31.600	-.00281	1.50435	1.16622	1.17759	1.16572	1.16570	-.01137	.00002	-.01169	-.00052
1.450	-.050	-.00167	1.50420	1.16304	1.18107	1.16612	1.16540	-.01803	.00072	-.01823	-.00017
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 505/ 0 RN/L = 3.32 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.475	-31.590	-.00719	1.50971	1.12781	1.13732	1.12554	1.12544	-.00951	.00010	-.00951	-.00059
1.475	-.050	-.00284	1.51231	1.12452	1.14232	1.12577	1.12668	-.01779	-.00092	-.01815	-.00163
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 506/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.500	-31.590	-.00406	1.52617	1.07054	1.08414	1.06281	1.07436	-.01360	-.01155	-.01407	-.01201
1.500	-.040	-.00262	1.52512	1.07026	1.08766	1.06454	1.07586	-.01740	-.01132	-.01751	-.01184
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 514/ 0 RN/L = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.525	-31.590	-.00293	1.55120	.94723	.95710	.92271	.95907	-.00987	-.03637	-.01044	-.03624
1.525	-.030	-.00370	1.55096	.94849	.95457	.92175	.95889	-.00608	-.03714	-.00668	-.03682
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 515/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.550	-31.590	-.00018	1.56249	1.00882	1.03197	.99329	1.02718	-.02315	-.03389	-.02341	-.03409
1.550	-.060	-.00125	1.56105	1.01014	1.02792	.98854	1.03051	-.01778	-.04197	-.01805	-.04193
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R267) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.357 ALPHA = .000
BETA = .000

RUN NO. 502/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.399	-31.520	.00089	1.19760	1.19176	1.19468	-.00001	.00001
1.400	-.020	-.00025	1.19773	1.19169	1.19471	-.00001	.00001
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 503/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.425	-31.520	-.00285	1.18706	1.18099	1.18403	-.00001	-.00009
1.425	-.050	-.00062	1.18696	1.18077	1.18386	-.00001	-.00009
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 504/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.451	-31.600	-.00281	1.17207	1.16598	1.16902	-.00021	.00001
1.450	-.050	-.00167	1.17216	1.16620	1.16918	-.00021	.00001
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 505/ 0 RN/L = 3.32 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.475	-31.590	-.00719	1.13257	1.12584	1.12920	-.00027	-.00003
1.475	-.050	-.00284	1.13360	1.12658	1.13009	-.00027	-.00003
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 506/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.500	-31.590	-.00406	1.07757	1.06881	1.07319	-.00011	.00001
1.500	-.040	-.00262	1.07901	1.07046	1.07474	-.00011	.00001
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 514/ 0 RN/L = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.525	-31.590	-.00293	.95245	.94083	.94664	.00012	-.00002
1.525	-.030	-.00370	.95183	.94016	.94599	.00012	-.00002
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 515/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.550	-31.590	-.00018	1.02052	1.01034	1.01543	.00017	-.00025
1.550	-.060	-.00125	1.01917	1.00950	1.01433	.00017	-.00025
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R268) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.146 ALPHA = .000
BETA = .000

RUN NO. 398/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.550	-31.500	.00000	689.26800	3.14754	409.64500	1618.39999	1.54952	110.20000	-.00342	.24300	-31.50000
1.550	.000	.00000	688.36500	3.14350	409.25900	1616.20000	1.54943	110.20000	-.00285	.24400	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (B4R268) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.146 ALPHA = .000
BETA = .000

RUN NO. 398/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPT	CPB	CPU	CPR	CPL	CPAD	CPBD	DCPA	DCPB
1.550	-31.500	-.00342	1.55935	1.00532	1.03018	.99049	1.02434	-.02486	-.03384	-.02529	-.03301
1.550	.000	-.00285	1.56058	1.01292	1.03072	.99151	1.03283	-.01780	-.04132	-.01804	-.04028
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (C4R268) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.146 ALPHA = .000
BETA = .000

RUN NO. 398/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAA	CPBA	CPABA	DCPBU	DCPRL
1.550	-31.500	-.00342	1.01797	1.00700	1.01248	.00023	-.00023
1.550	.000	-.00285	1.02194	1.01165	1.01680	.00023	-.00023
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R001) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 83/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.400	-8.011	-.00033	84.29210	1.01764	750.77300	838.50000	1.04073	71.90000	.00000	-7.71900	.00000
.401	-5.968	-.00029	84.76750	1.02025	751.56300	839.80000	1.04091	72.30000	.00000	-5.68100	.00000
.402	-4.023	-.00032	85.24100	1.02314	752.05200	840.80000	1.04113	72.50000	.00000	-3.74000	.00000
.401	-1.975	-.00028	84.77640	1.02033	753.16000	841.40000	1.04083	72.70000	.00000	-1.69900	.00000
.401	.013	.00006	84.68610	1.01969	753.86200	842.00000	1.04075	72.90000	.00000	.28200	.00000
.401	1.996	-.00016	84.97030	1.02122	754.15500	842.60000	1.04089	73.10000	.00000	2.25800	.00000
.401	4.009	-.00008	85.06780	1.02174	754.75200	843.30000	1.04091	73.30000	.00000	4.26600	.00000
.402	5.976	.00012	85.25670	1.02253	754.84800	843.60000	1.04097	73.50000	.00000	6.22800	.00000
.402	7.998	.00008	85.44610	1.02315	755.04400	844.00000	1.04108	73.80000	.00000	8.24500	.00000
	GRADIENT	.00003	-.00793	-.00010	.31954	.30945	-.00002	.09983	.00000	.99673	.00000

RUN NO. 116/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-8.015	-.03713	319.74700	2.48903	1274.06000	1623.50000	1.09286	108.40000	.00000	-7.60300	.01000
.599	-5.976	-.03749	320.51800	2.48529	1274.03999	1624.39999	1.09311	109.70000	.00000	-5.58600	.01000
.599	-2.015	-.03826	320.24700	2.48247	1273.45000	1623.50000	1.09306	109.90000	.00000	-1.67000	.01000
.601	-.019	-.03847	322.52500	2.49398	1275.59000	1628.30000	1.09359	110.00000	.00000	.30100	.01000
.600	1.974	-.04058	320.64700	2.48110	1272.24001	1622.80000	1.09329	110.30000	.00000	2.26800	.01000
.599	4.002	-.04167	320.43000	2.48038	1273.94000	1624.20000	1.09309	110.50000	.00000	4.26700	.01000
.599	6.013	-.04140	320.10600	2.47900	1274.75000	1624.60001	1.09292	110.60000	.00000	6.24900	.01000
.600	7.987	-.04210	320.87000	2.48221	1274.42999	1625.20000	1.09318	110.60000	.00000	8.19400	.01000
	GRADIENT	-.00061	-.06671	-.00096	-.09293	-.16926	-.00001	.10477	.00000	.98663	-.00000

RUN NO. 96/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.798	-8.037	.01202	321.59500	1.99522	720.84700	1097.00000	1.16965	110.20000	.00000	-7.62200	-.01000
.801	-5.963	.00895	323.49800	2.00201	720.00700	1098.80000	1.17093	110.20000	.00000	-5.57100	.00000
.802	-4.007	.00757	324.11700	2.00567	720.29300	1099.89999	1.17120	110.00000	.00000	-3.63800	.00000
.801	-1.996	.00646	323.89200	2.00550	721.49600	1100.70000	1.17077	110.10000	.00000	-1.65200	.00000
.801	.010	.00595	324.03600	2.00688	721.39300	1100.80000	1.17088	109.90000	.00000	.32800	.00000
.802	1.984	.00393	323.91100	2.00441	719.39900	1098.80000	1.17131	109.90000	.00000	2.27600	.00000
.800	4.015	.00290	322.51600	2.00025	719.92800	1097.39999	1.17040	109.70000	.00000	4.28100	.00000
.798	5.980	.00171	321.52000	1.99672	720.84900	1096.89999	1.16960	109.80000	.00000	6.21800	.00000
.799	8.010	-.00058	322.77200	2.00204	721.62000	1099.30000	1.17011	109.90000	.00000	8.21700	.00000
	GRADIENT	-.00059	-.15926	-.00060	-.14043	-.34431	-.00005	-.03998	.00000	.98710	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R001) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 98/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.899	-8.013	.00595	348.61400	1.99461	616.36300	1041.20000	1.21865	110.50000	.00000	-7.57900	-.02000
.902	-6.140	.00366	350.17900	1.99995	615.23300	1042.50000	1.22014	110.40000	.00000	-5.73500	-.02000
.901	-4.004	.00208	350.26100	2.00194	616.82800	1044.00000	1.21958	110.40000	.00000	-3.63400	-.02000
.902	-2.019	.00046	350.96900	2.00360	616.21500	1044.50000	1.22029	110.50000	.00000	-1.67900	-.02000
.902	-.005	-.00064	349.55000	1.99688	613.74900	1040.30000	1.22029	110.20000	.00000	.30300	-.02000
.900	1.986	-.00283	348.41300	1.99283	614.96900	1039.70000	1.21904	110.40000	.00000	2.26400	-.02000
.899	3.956	-.00435	347.94500	1.99122	615.17800	1039.20000	1.21865	110.40000	.00000	4.20300	-.02000
.897	5.969	-.00636	348.12800	1.99473	617.86900	1041.80000	1.21774	110.40000	.00000	6.18400	-.02000
.899	8.003	-.00818	350.04600	2.00301	618.22900	1044.89999	1.21890	110.30000	.00000	8.18200	-.02000
	GRADIENT	-.00081	-.36093	-.00162	-.22895	-.72365	-.00016	-.00510	.00000	.98453	-.00000

RUN NO. 101/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-7.996	-.00057	371.91800	1.89929	439.04300	937.50000	1.33752	109.80000	.00000	-7.55600	-.05000
1.101	-6.031	-.00260	371.96000	1.89914	438.34700	937.10000	1.33809	109.70000	.00000	-5.63600	-.05000
1.103	-4.141	-.00428	371.92600	1.89710	436.95500	936.10000	1.33914	109.80000	.00000	-3.78800	-.05000
1.100	-2.009	-.00680	373.35400	1.90715	440.41500	940.90000	1.33777	109.60000	.00000	-1.70100	-.05000
1.101	-.142	-.00873	373.18200	1.90423	439.52200	940.00000	1.33830	109.90000	.00000	.12800	-.05000
1.101	1.982	-.01095	371.95800	1.89815	438.64500	937.30000	1.33787	110.00000	.00000	2.20900	-.05000
1.100	4.000	-.01391	371.18200	1.89487	437.96000	935.50000	1.33769	109.90000	.00000	4.18700	-.05000
1.098	5.935	-.01558	370.61100	1.89461	438.96300	935.20000	1.33639	109.70000	.00000	6.08200	-.04000
1.097	7.948	-.01723	370.74100	1.89616	439.95500	936.10000	1.33575	109.70000	.00000	8.05300	-.04000
	GRADIENT	-.00115	-.14197	-.00066	.01447	-.23448	-.00014	.02910	.00000	.97954	-.00000

RUN NO. 107/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-7.981	-.01296	404.93900	1.95273	369.99300	958.90000	1.42353	110.50000	.00000	-7.53400	.02000
1.253	-5.997	-.01358	403.59300	1.94528	367.33300	955.10000	1.42480	110.40000	.00000	-5.59800	.01000
1.250	-4.016	-.01377	402.73300	1.94215	368.03400	953.70000	1.42348	110.50000	.00000	-3.66400	.01000
1.252	-2.021	-.01489	404.37100	1.94940	368.41400	957.10000	1.42447	110.40000	.00000	-1.71300	.01000
1.250	-.008	-.01535	404.09100	1.94912	369.70400	957.10000	1.42310	110.50000	.00000	.25500	.02000
1.250	1.970	-.01549	404.17000	1.94818	369.80200	957.30000	1.42308	110.80000	.00000	2.19000	.02000
1.250	4.010	-.01641	404.14100	1.94977	369.70300	957.20000	1.42314	110.40000	.00000	4.18700	.02000
1.250	5.973	-.01737	404.09700	1.94866	369.20900	956.90000	1.42354	110.50000	.00000	6.10900	.02000
1.247	8.020	-.01835	403.69000	1.94799	370.59900	956.70000	1.42198	110.60000	.00000	8.11100	.01000
	GRADIENT	-.00029	.13024	.00070	.23563	.35871	-.00010	.00979	.00000	.97819	.00150

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R001) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 108/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.398	-7.966	-.01636	428.61600	1.99595	313.41000	994.20000	1.49267	110.40000	.00000	-7.51400	.02000
1.401	-5.976	-.01771	428.86200	1.99687	312.12200	994.70000	1.49403	110.20000	.00000	-5.57400	.02000
1.401	-3.968	-.01904	429.20400	1.99715	312.51500	995.50000	1.49390	110.50000	.00000	-3.61600	.03000
1.401	-2.001	-.01850	429.24800	1.99872	312.51400	995.60000	1.49394	110.20000	.00000	-1.69600	.02000
1.402	.018	-.01814	429.60400	1.99892	312.11500	996.40000	1.49455	110.40000	.00000	.27600	.01000
1.402	1.970	-.02126	429.60100	1.99953	312.31300	996.40000	1.49437	110.30000	.00000	2.18400	.01000
1.401	4.013	-.02066	429.90000	2.00014	312.70600	997.10000	1.49420	110.50000	.00000	4.18200	.01000
1.402	5.978	-.02130	429.99200	2.00074	312.40900	997.30000	1.49454	110.40000	.00000	6.10300	.01000
1.400	7.998	-.02167	429.84700	2.00078	313.20100	997.00000	1.49370	110.40000	.00000	8.07700	.01000
	GRADIENT	-.00030	.08769	.00034	.00921	.20101	.00005	.00524	.00000	.97699	-.00251

RUN NO. 111/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.449	-7.908	-.01701	432.86200	2.00259	294.56100	1004.70000	1.51325	109.60000	.00000	-7.47500	-.04000
1.450	-6.112	-.01908	433.09100	2.00137	294.16200	1005.30000	1.51378	110.00000	.00000	-5.72200	-.04000
1.452	-4.011	-.02131	433.27300	2.00223	293.66500	1005.80000	1.51437	109.90000	.00000	-3.67300	-.04000
1.452	-2.009	-.02542	433.27300	2.00270	293.66500	1005.80000	1.51437	109.80000	.00000	-1.71700	-.04000
1.452	-.147	-.02675	433.17400	2.00255	293.36800	1005.60000	1.51459	109.70000	.00000	.10300	-.04000
1.452	1.976	-.02794	433.35600	2.00211	293.66400	1006.00000	1.51442	110.00000	.00000	2.18000	.03000
1.451	3.934	-.02714	433.12300	2.00230	293.96400	1005.40000	1.51399	109.80000	.00000	4.09600	.04000
1.450	5.989	-.02664	433.18000	2.00181	294.26000	1005.50000	1.51374	110.00000	.00000	6.10500	.03000
1.449	7.949	-.02628	432.98700	2.00170	294.56000	1005.00000	1.51333	109.90000	.00000	8.02200	.03000
	GRADIENT	-.00071	-.01063	-.00002	.03083	-.02960	-.00004	.00048	.00000	.97788	.01166

RUN NO. 112/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.498	-7.970	-.03421	435.66900	1.99992	277.45700	1015.20000	1.53142	110.20000	.00000	-7.52500	.04000
1.500	-5.954	-.03660	436.39700	2.00266	276.95000	1017.20000	1.53236	110.20000	.00000	-5.55900	.04000
1.501	-3.999	-.03302	436.73900	2.00356	276.84600	1018.10000	1.53267	110.30000	.00000	-3.65200	.04000
1.500	-2.000	-.03114	436.60400	2.00424	277.34500	1017.60000	1.53210	110.10000	.00000	-1.70000	.04000
1.500	.018	-.03100	436.68300	2.00457	277.34400	1017.80000	1.53215	110.10000	.00000	.27200	.04000
1.499	1.970	-.03101	435.97500	2.00236	277.05500	1016.10000	1.53200	109.90000	.00000	2.18000	.04000
1.499	4.013	-.02734	435.51700	1.99938	276.86200	1015.00000	1.53190	110.10000	.00000	4.17800	.04000
1.499	6.009	-.02991	434.90000	1.99761	276.67000	1013.50000	1.53171	109.90000	.00000	6.13000	.03000
1.500	7.970	-.03216	434.85100	1.99669	276.27300	1013.50000	1.53206	110.00000	.00000	8.04700	.03000
	GRADIENT	.00058	-.15357	-.00051	-.01285	-.38483	-.00008	-.02986	.00000	.97735	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R001) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 115/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-7.914	-.03110	438.51200	2.00061	260.66300	1029.60001	1.54948	110.60000	.00000	-7.47600	.02000
1.551	-6.117	-.03834	438.52600	2.00005	260.36200	1029.80000	1.54978	110.70000	.00000	-5.72300	.02000
1.552	-3.987	-.02843	438.23800	1.99904	259.86600	1029.30000	1.55010	110.60000	.00000	-3.64400	.01000
1.552	-2.012	-.03456	438.31200	1.99842	259.86500	1029.50000	1.55015	110.80000	.00000	-1.71300	.01000
1.550	-.002	-.03718	438.08100	1.99825	260.56900	1028.50000	1.54932	110.70000	.00000	.25400	.00000
1.549	1.985	-.03861	437.70700	1.99760	260.57500	1027.50000	1.54909	110.50000	.00000	2.19900	.01000
1.549	3.960	-.03256	437.57700	1.99710	260.67700	1027.10001	1.54892	110.50000	.00000	4.13000	.00000
1.547	5.999	-.03575	437.44900	1.99623	260.97900	1026.60001	1.54854	110.60000	.00000	6.12300	.00000
1.548	7.985	-.04511	437.52200	1.99597	260.77800	1026.89999	1.54878	110.70000	.00000	8.06500	.00000
	GRADIENT	-.00062	-.09691	-.00024	.11738	-.32193	-.00017	-.02517	.00000	.97832	-.00101

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (I4R001) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 83/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.400	-8.011	-.00033	.98034	.02920	.46929	.22297	.18991	-.44009	.03306	-.45515	.00835
.401	-5.968	-.00029	1.00596	.08564	.41601	.24453	.21704	-.33036	.02749	-.34478	.00317
.402	-4.023	-.00032	1.01851	.14026	.36202	.25858	.23737	-.22176	.02121	-.23579	-.00345
.401	-1.975	-.00028	1.02232	.19564	.30575	.26904	.25129	-.11011	.01775	-.12220	-.00639
.401	.013	.00006	1.02376	.25235	.24896	.26988	.25397	.00340	.01591	-.01621	-.00757
.401	1.996	-.00016	1.02172	.30664	.19120	.26493	.25248	.11544	.01245	.09581	-.00812
.401	4.009	-.00008	1.01426	.36139	.13474	.25442	.24228	.22665	.01213	.20714	-.00745
.402	5.976	.00012	.99831	.41480	.07886	.23556	.22694	.33594	.00862	.31662	-.01005
.402	7.998	.00008	.96467	.47004	.02102	.20992	.20149	.44902	.00843	.42799	-.01039
	GRADIENT	.00003	-.00045	.02761	-.02841	-.00061	.00056	.05602	-.00117	.05510	-.00049

RUN NO. 116/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-8.015	-.03713	1.04957	.08497	.52084	.25454	.24503	-.43587	.00950	-.43303	.00912
.599	-5.976	-.03749	1.07449	.14260	.46498	.27280	.27183	-.32239	.00096	-.31926	.00144
.599	-2.015	-.03826	1.08721	.25578	.35019	.29510	.30126	-.09441	-.00616	-.09157	-.00495
.601	-.019	-.03847	1.07697	.30804	.28945	.29220	.30270	.01859	-.01051	.02032	-.00923
.600	1.974	-.04058	1.08587	.36901	.23648	.28989	.30386	.13253	-.01398	.13515	-.01254
.599	4.002	-.04167	1.07990	.42725	.17893	.27680	.29233	.24831	-.01553	.25115	-.01422
.599	6.013	-.04140	1.06204	.48309	.12075	.25854	.27428	.36234	-.01574	.36429	-.01447
.600	7.987	-.04218	1.03200	.53436	.06312	.23488	.25122	.47125	-.01634	.47353	-.01513
	GRADIENT	-.00061	-.00065	.02870	-.02827	-.00286	-.00129	.05697	-.00157	.05702	-.00155

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (14R001) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 96/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.798	-8.037	.01202	1.12849	.13534	.57682	.32278	.30332	-.44148	.01946	-.44829	.01279
.801	-5.963	.00895	1.15047	.19563	.52157	.34096	.32998	-.32599	.01098	-.33286	.00428
.802	-4.007	.00757	1.15962	.25222	.46729	.35571	.34825	-.21507	.00747	-.22180	.00198
.801	-1.996	.00646	1.16451	.30986	.40997	.36247	.36022	-.10012	.00224	-.10548	-.00267
.801	.010	.00595	1.16283	.36595	.35082	.36207	.36456	.01513	-.00249	.00753	-.00667
.802	1.984	.00393	1.16112	.42271	.29406	.35687	.36175	.12865	-.00488	.12138	-.00958
.800	4.015	.00290	1.15430	.47841	.23593	.34440	.35081	.24248	-.00640	.23555	-.01194
.798	5.980	.00171	1.13994	.53282	.17917	.32705	.33503	.35365	-.00799	.34718	-.01307
.799	8.010	-.00058	1.11330	.58676	.11997	.30311	.31326	.46679	-.01015	.45917	-.01494
	GRADIENT	-.00059	-.00070	.02823	-.02890	-.00141	.00033	.05712	-.00174	.05701	-.00174

RUN NO. 98/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.899	-8.013	.00595	1.17925	.20724	.63214	.38697	.37201	-.42490	.01493	-.43025	.00877
.902	-6.140	.00366	1.20255	.26407	.58809	.40558	.39798	-.32402	.00759	-.32868	.00185
.901	-4.004	.00208	1.20824	.32028	.52872	.41960	.41327	-.20845	.00634	-.21217	.00005
.902	-2.019	.00046	1.21123	.37535	.47258	.42466	.42440	-.09723	.00026	-.10109	-.00407
.902	-.005	-.00064	1.21370	.43111	.41921	.42717	.42932	.01190	-.00215	.00692	-.00660
.900	1.986	-.00283	1.20981	.48375	.36260	.41994	.42526	.12115	-.00533	.11661	-.00998
.899	3.956	-.00435	1.20252	.53528	.30712	.40805	.41395	.22816	-.00590	.22320	-.01063
.897	5.969	-.00636	1.18650	.58657	.24909	.38991	.39727	.33748	-.00736	.33288	-.01245
.899	8.003	-.00818	1.16623	.64170	.19591	.37208	.38087	.44579	-.00879	.44139	-.01369
	GRADIENT	-.00081	-.00064	.02702	-.02776	-.00139	.00012	.05478	-.00151	.05463	-.00137

RUN NO. 101/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.100	-7.996	-.00057	1.30214	.41194	.79518	.57313	.55962	-.38324	.01351	-.38527	.00686
1.101	-6.031	-.00260	1.32218	.46335	.75303	.58898	.58194	-.28968	.00704	-.29169	.00121
1.103	-4.141	-.00428	1.32652	.50826	.70513	.59967	.59447	-.19687	.00519	-.19911	-.00049
1.100	-2.009	-.00680	1.33069	.56124	.65227	.60590	.60574	-.09104	.00016	-.09227	-.00427
1.101	-.142	-.00873	1.32942	.60446	.60351	.60602	.60816	.00095	-.00215	-.00166	-.00628
1.101	1.982	-.01095	1.32745	.65713	.55147	.60144	.60586	.10565	-.00442	.10364	-.00897
1.100	4.000	-.01391	1.32117	.70440	.50181	.59003	.59576	.20259	-.00572	.20133	-.01025
1.098	5.935	-.01558	1.31315	.75359	.45545	.57955	.58543	.29814	-.00589	.29636	-.01106
1.097	7.948	-.01723	1.28853	.79710	.40299	.55860	.56507	.39410	-.00647	.39284	-.01130
	GRADIENT	-.00115	-.00069	.02408	-.02502	-.00117	.00013	.04911	-.00130	.04917	-.00120

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (I4R001) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 107/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.250	-7.981	-.01296	1.39139	.48658	.86054	.64150	.63195	-.37395	.00956	-.37294	.00496
1.253	-5.997	-.01358	1.40625	.53307	.81214	.65222	.64868	-.27907	.00354	-.27815	-.00114
1.250	-4.016	-.01377	1.41365	.58114	.76519	.66295	.66332	-.18405	-.00037	-.18268	-.00376
1.252	-2.021	-.01489	1.41296	.62769	.71443	.66745	.67028	-.08674	-.00283	-.08476	-.00555
1.250	-.008	-.01535	1.41179	.67678	.66786	.66960	.67518	.00892	-.00558	.01003	-.00862
1.250	1.970	-.01549	1.40964	.72270	.61846	.66475	.67295	.10424	-.00820	.10476	-.01158
1.250	4.010	-.01641	1.40817	.77098	.57102	.65523	.66539	.19996	-.01015	.20151	-.01371
1.250	5.973	-.01737	1.39394	.81774	.52295	.64114	.65224	.29479	-.01109	.29648	-.01437
1.247	8.020	-.01835	1.37567	.86829	.47500	.62523	.63749	.39329	-.01227	.39437	-.01597
	GRADIENT	-.00029	-.00071	.02368	-.02416	-.00091	.00034	.04785	-.00124	.04779	-.00129

RUN NO. 108/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.398	-7.966	-.01636	1.46612	.50477	.88819	.66663	.64947	-.38342	.01717	-.38164	.01287
1.401	-5.976	-.01771	1.47732	.55137	.84083	.67752	.66623	-.28946	.01129	-.28649	.00707
1.401	-3.968	-.01904	1.48674	.60001	.78940	.68732	.68051	-.18939	.00682	-.18646	.00241
1.401	-2.001	-.01850	1.48600	.64682	.73623	.69121	.68769	-.08941	.00352	-.08590	-.00061
1.402	.018	-.01814	1.48594	.69613	.68440	.69064	.69022	.01173	.00041	.01390	-.00269
1.402	1.970	-.02126	1.48038	.74515	.63623	.68717	.68675	.10892	.00042	.11096	-.00315
1.401	4.013	-.02066	1.48260	.79470	.58681	.67736	.67886	.20789	-.00150	.21033	-.00458
1.402	5.978	-.02130	1.47699	.84287	.53951	.66570	.66648	.30336	-.00078	.30582	-.00391
1.400	7.998	-.02167	1.46165	.89154	.49180	.65180	.64960	.39974	.00220	.40313	-.00148
	GRADIENT	-.00030	-.00069	.02446	-.02534	-.00121	-.00022	.04980	-.00099	.04968	-.00083

RUN NO. 111/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.449	-7.908	-.01701	1.48726	.50860	.89081	.66784	.65134	-.38221	.01650	-.37804	.01229
1.450	-6.112	-.01908	1.50191	.54735	.84458	.67772	.66444	-.29724	.01328	-.29274	.00889
1.452	-4.011	-.02131	1.50157	.59619	.78898	.68552	.67554	-.19279	.00997	-.18822	.00630
1.452	-2.009	-.02542	1.49428	.64358	.73687	.68968	.68040	-.09329	.00928	-.08858	.00537
1.452	-.147	-.02675	1.49782	.68680	.69020	.69031	.68353	-.00340	.00677	.00024	.00321
1.452	1.976	-.02794	1.50303	.73942	.63590	.68634	.68223	.10352	.00411	.10719	.00023
1.451	3.934	-.02714	1.49859	.79010	.58677	.67866	.67699	.20333	.00186	.20678	-.00145
1.450	5.988	-.02664	1.48966	.84172	.53892	.66700	.66496	.30280	.00204	.30667	-.00120
1.449	7.949	-.02628	1.47196	.88987	.49882	.65290	.65190	.39105	.00099	.39549	-.00176
	GRADIENT	-.00071	.00014	.02434	-.02543	-.00085	.00023	.04977	-.00108	.04961	-.00104

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (14R001) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 112/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.498	-7.970	-.03421	1.50526	.51000	.89515	.66782	.65287	-.38515	.01495	-.38044	.01109
1.500	-5.954	-.03660	1.51173	.55194	.84396	.67734	.66616	-.29202	.01119	-.28704	.00791
1.501	-3.999	-.03302	1.51980	.59413	.79017	.68555	.67712	-.19605	.00843	-.19084	.00511
1.500	-2.000	-.03114	1.52143	.64266	.73847	.69132	.68456	-.09581	.00675	-.09029	.00321
1.500	.018	-.03100	1.51856	.69266	.68639	.69119	.68759	.00626	.00360	.01056	.00015
1.499	1.970	-.03101	1.51723	.74025	.63666	.68709	.68710	.10359	-.00001	.10785	-.00225
1.499	4.013	-.02734	1.51679	.79067	.58823	.67809	.68168	.20244	-.00359	.20692	-.00629
1.499	6.009	-.02991	1.51196	.84316	.54229	.66849	.66980	.30087	-.00131	.30572	-.00366
1.500	7.970	-.03216	1.49993	.89476	.49672	.65493	.65517	.39803	-.00024	.40345	-.00264
	GRADIENT	.00058	-.00051	.02454	-.02529	-.00096	.00058	.04984	-.00154	.04970	-.00141

RUN NO. 115/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.550	-7.914	-.03110	1.54153	.50075	.90039	.66083	.64862	-.39964	.01227	-.39340	.00879
1.551	-6.117	-.03834	1.54551	.54816	.85078	.67121	.66382	-.30261	.00739	-.29592	.00403
1.552	-3.987	-.02843	1.55026	.59656	.79242	.67858	.67329	-.19586	.00529	-.18926	.00201
1.552	-2.012	-.03456	1.55202	.63726	.73899	.68235	.67954	-.10173	.00280	-.09484	-.00008
1.550	-.002	-.03718	1.55542	.68612	.68653	.68670	.68469	-.00041	.00200	.00516	-.00086
1.549	1.985	-.03861	1.54982	.73859	.63767	.68362	.68240	.10092	.00122	.10672	-.00116
1.549	3.960	-.03256	1.54393	.79356	.59281	.67793	.67724	.20075	.00069	.20678	-.00153
1.547	5.999	-.03575	1.54726	.85022	.54674	.66811	.67077	.30348	-.00266	.30974	-.00442
1.548	7.985	-.04511	1.54383	.90223	.50137	.65328	.65634	.40086	-.00306	.40685	-.00482
	GRADIENT	-.00062	-.00075	.02490	-.02517	.00000	.00054	.05007	-.00054	.04995	-.00041

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (J4R001) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 83/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.400	-8.011	-.00033	.25677	.21879	.23778	.05349	-.00218
.401	-5.968	-.00029	.25803	.24295	.25049	.05508	-.00326
.402	-4.023	-.00032	.25815	.26030	.25923	.05642	-.00265
.401	-1.975	-.00028	.25674	.27223	.26449	.05376	-.00072
.401	.013	.00006	.26046	.27366	.26706	.05483	-.00055
.401	1.996	-.00016	.25874	.26899	.26386	.05633	.00032
.401	4.009	-.00008	.25782	.25814	.25798	.05526	-.00057
.402	5.976	.00012	.25649	.24059	.24854	.05553	-.00105
.402	7.998	.00008	.25604	.21511	.23558	.05485	.00027
	GRADIENT	.00003	.00007	-.00037	-.00015	.00001	.00026

RUN NO. 116/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-8.015	-.03713	.30149	.24998	.27573	.05534	-.00422
.599	-5.976	-.03749	.30222	.27208	.28715	.05670	-.00286
.599	-2.015	-.03826	.30157	.29757	.29957	.05644	-.00178
.601	-.019	-.03847	.29788	.29681	.29735	.05669	-.00210
.600	1.974	-.04058	.30144	.29616	.29880	.05776	-.00125
.599	4.002	-.04167	.30168	.28391	.29279	.05672	-.00036
.599	6.013	-.04140	.30095	.26577	.28336	.05574	-.00015
.600	7.987	-.04218	.29760	.24245	.27003	.05516	-.00043
	GRADIENT	-.00061	.00019	-.00208	-.00094	.00009	.00025

RUN NO. 96/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.798	-8.037	.01202	.35948	.31638	.33793	.05546	-.00499
.801	-5.963	.00895	.36201	.33882	.35041	.05603	-.00232
.802	-4.007	.00757	.36312	.35472	.35892	.05772	-.00141
.801	-1.996	.00646	.36260	.36380	.36320	.05696	-.00247
.801	.010	.00595	.36219	.36541	.36380	.05701	-.00164
.802	1.984	.00393	.36202	.36166	.36184	.05706	-.00137
.800	4.015	.00290	.36064	.35037	.35551	.05647	-.00079
.798	5.980	.00171	.35923	.33358	.34641	.05624	-.00066
.799	8.010	-.00058	.35717	.31058	.33388	.05463	-.00105
	GRADIENT	-.00059	-.00028	-.00054	-.00041	-.00012	.00012

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (J4R001) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 98/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.899	-8.013	.00595	.42237	.38256	.40246	.05429	-.00452
.902	-6.140	.00366	.42840	.40465	.41653	.05409	-.00205
.901	-4.004	.00208	.42636	.41958	.42297	.05569	-.00126
.902	-2.019	.00046	.42590	.42669	.42629	.05474	-.00181
.902	-.005	-.00064	.42765	.43047	.42906	.05417	-.00151
.900	1.986	-.00283	.42545	.42493	.42519	.05479	-.00103
.899	3.956	-.00435	.42368	.41337	.41852	.05423	-.00044
.897	5.969	-.00636	.42013	.39613	.40813	.05408	-.00091
.899	8.003	-.00818	.42100	.37892	.39996	.05300	-.00046
	GRADIENT	-.00081	-.00029	-.00071	-.00050	-.00014	.00012

RUN NO. 101/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.100	-7.996	-.00057	.60457	.56970	.58714	.04735	-.00349
1.101	-6.031	-.00260	.60920	.58837	.59878	.04814	-.00165
1.103	-4.141	-.00428	.60781	.59991	.60386	.04997	-.00116
1.100	-2.009	-.00680	.60737	.60803	.60770	.04917	-.00154
1.101	-.142	-.00873	.60529	.60916	.60722	.04897	-.00110
1.101	1.982	-.01095	.60531	.60593	.60562	.04905	-.00102
1.100	4.000	-.01391	.60374	.59516	.59945	.04872	-.00046
1.098	5.935	-.01558	.60542	.58508	.59525	.04875	-.00028
1.097	7.948	-.01723	.60068	.56425	.58246	.04752	-.00004
	GRADIENT	-.00115	-.00050	-.00057	-.00054	-.00013	.00009

RUN NO. 107/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.250	-7.981	-.01296	.67305	.63902	.65604	.04776	-.00350
1.253	-5.997	-.01358	.67214	.65279	.66247	.04780	-.00222
1.250	-4.016	-.01377	.67248	.66483	.66865	.04899	-.00081
1.252	-2.021	-.01489	.67007	.67022	.67015	.04806	-.00121
1.250	-.008	-.01535	.67177	.67391	.67284	.04731	-.00162
1.250	1.970	-.01549	.67032	.67054	.67043	.04770	-.00135
1.250	4.010	-.01641	.67023	.66209	.66616	.04786	-.00058
1.250	5.973	-.01737	.66950	.64832	.65891	.04829	-.00045
1.247	8.020	-.01835	.67111	.63321	.65216	.04760	-.00095
	GRADIENT	-.00029	-.00021	-.00026	-.00024	-.00013	.00002

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (J4R001) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 108/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.398	-7.966	-.01636	.69559	.66020	.67790	.04741	-.00302
1.401	-5.976	-.01771	.69462	.67398	.68430	.04862	-.00270
1.401	-3.968	-.01904	.69324	.68612	.68968	.05097	-.00188
1.401	-2.001	-.01850	.68977	.69152	.69065	.05032	-.00133
1.402	.018	-.01814	.68918	.69198	.69058	.04947	-.00049
1.402	1.970	-.02126	.68967	.68874	.68921	.04928	-.00048
1.401	4.013	-.02066	.68953	.67965	.68459	.04850	-.00037
1.402	5.978	-.02130	.68996	.66766	.67881	.04846	.00091
1.400	7.998	-.02167	.68997	.65254	.67126	.04804	.00135
	GRADIENT	-.00030	-.00038	-.00079	-.00059	-.00030	.00019

RUN NO. 111/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.449	-7.908	-.01701	.69762	.66170	.67966	.04695	-.00199
1.450	-6.112	-.01908	.69372	.67327	.68350	.04851	-.00169
1.452	-4.011	-.02131	.69030	.68237	.68633	.05043	-.00067
1.452	-2.009	-.02542	.68787	.68700	.68743	.04832	-.00071
1.452	-.147	-.02675	.68668	.68870	.68769	.04860	-.00143
1.452	1.976	-.02794	.68583	.68622	.68603	.05123	-.00127
1.451	3.934	-.02714	.68671	.67958	.68315	.05013	-.00025
1.450	5.988	-.02664	.68839	.66760	.67799	.04674	.00005
1.449	7.949	-.02628	.69212	.65378	.67295	.04458	-.00046
	GRADIENT	-.00071	-.00046	-.00033	-.00040	.00012	.00001

RUN NO. 112/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.498	-7.970	-.03421	.70022	.66227	.68125	.04564	-.00157
1.500	-5.954	-.03660	.69545	.67339	.68442	.04773	-.00160
1.501	-3.999	-.03302	.68955	.68300	.68627	.05016	-.00107
1.500	-2.000	-.03114	.68780	.68971	.68876	.05015	-.00127
1.500	.018	-.03100	.68738	.69112	.68925	.05007	-.00124
1.499	1.970	-.03101	.68633	.68821	.68727	.04906	-.00199
1.499	4.013	-.02734	.68721	.68124	.68422	.04877	-.00034
1.499	6.009	-.02991	.69030	.67032	.68031	.04984	.00144
1.500	7.970	-.03216	.69303	.65625	.67464	.04982	.00006
	GRADIENT	.00058	-.00031	-.00025	-.00028	-.00019	.00004

IA132(AEDC TF-505) TANK UPRT W/O FRNG.LOUVR FILL (J4R001) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 115/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.550	-7.914	-.03110	.69745	.66649	.67697	.05509	-.00308
1.551	-6.117	-.03834	.69612	.66919	.68266	.05256	-.00177
1.552	-3.987	-.02843	.69119	.67757	.68438	.04814	-.00087
1.552	-2.012	-.03456	.68468	.68239	.68353	.04843	-.00082
1.550	-.002	-.03718	.68354	.68713	.68533	.05080	-.00021
1.549	1.985	-.03861	.68522	.68420	.68471	.05095	.00001
1.549	3.960	-.03256	.69017	.67870	.68443	.05071	-.00095
1.547	5.999	-.03575	.69535	.67032	.68284	.04974	-.00102
1.548	7.985	-.04511	.69881	.65569	.67725	.04847	.00020
	GRADIENT	-.00062	-.00008	.00021	.00007	.00038	.00004

IA132(AEDC TF-505) TANK UPRT W/O FRNG.LOUVR FILL (A4R002) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.820 BETA = .000
PHI = .000

RUN NO. 58/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.400	-7.965	.00107	84.39850	1.03437	752.96900	840.80000	1.04065	66.00000	.00000	-7.68900	-.04000
.401	-5.998	.00013	84.77030	1.03499	752.06200	840.30000	1.04090	66.50000	.00000	-5.72700	-.04000
.401	-4.039	-.00082	84.48660	1.03200	751.86800	839.80000	1.04074	66.90000	.00000	-3.77400	-.04000
.401	-2.001	-.00212	84.57750	1.03096	751.26700	839.30000	1.04084	67.40000	.00000	-1.74300	-.04000
.401	-.000	-.00311	84.57470	1.02988	750.76800	838.80000	1.04086	67.70000	.00000	.25000	-.04000
.401	1.996	-.00433	84.47880	1.02781	750.47000	838.40000	1.04083	68.20000	.00000	2.24000	-.04000
.401	3.968	-.00525	84.48100	1.02733	750.86900	838.80000	1.04081	68.50000	.00000	4.20800	-.04000
.401	6.001	-.00637	84.57860	1.02735	751.46700	839.50000	1.04082	68.90000	.00000	6.23800	-.04000
.401	8.004	-.00757	84.67560	1.02755	751.96400	840.10000	1.04083	69.20000	.00000	8.23800	-.04000
	GRADIENT	-.00054	-.00542	-.00062	-.14020	-.14537	.00001	.19996	.00000	.99689	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R002) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.820 BETA = .000
PHI = .000

RUN NO. 92/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-7.988	.00054	320.04100	2.47922	1271.96001	1621.80000	1.09311	110.10000	.00000	-7.54800	.02000
.600	-6.000	-.00002	319.94600	2.47847	1271.56000	1621.30000	1.09312	110.10000	.00000	-5.58200	.02000
.600	-4.049	.00014	320.29800	2.47983	1271.95000	1622.10001	1.09320	110.20000	.00000	-3.65400	.02000
.600	-2.020	.00096	319.76000	2.47826	1270.97000	1620.50000	1.09310	109.90000	.00000	-1.65000	.02000
.600	.001	.00076	319.84400	2.47745	1270.86000	1620.50000	1.09316	110.10000	.00000	.34400	.02000
.600	1.990	-.00012	320.51700	2.48119	1270.35001	1620.80000	1.09339	109.90000	.00000	2.30600	.02000
.600	4.016	-.00062	320.11900	2.48044	1271.66000	1621.60001	1.09316	109.90000	.00000	4.30400	.02000
.599	5.964	-.00169	319.89300	2.47881	1272.96001	1622.60001	1.09299	110.20000	.00000	6.22300	.02000
.599	7.997	-.00077	320.43700	2.48287	1274.24001	1624.50000	1.09307	110.10000	.00000	8.22600	.03000
	GRADIENT	-.00013	.01951	.00020	-.05964	-.03517	.00001	-.02979	.00000	.98669	-.00000

RUN NO. 102/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.249	-7.940	.00169	404.92500	1.95231	370.98300	959.30003	1.42264	110.80000	.00000	-7.48600	-.04000
1.251	-5.965	-.00095	406.14400	1.95707	370.97100	961.70000	1.42364	110.80000	.00000	-5.55700	-.04000
1.251	-4.015	-.00305	404.60500	1.95019	369.20400	957.90000	1.42396	110.60000	.00000	-3.65300	-.04000
1.251	-1.990	-.00556	403.27700	1.94368	368.32600	954.90000	1.42366	110.70000	.00000	-1.67500	-.04000
1.251	-.002	-.00741	403.99500	1.94623	368.51700	956.40000	1.42407	110.80000	.00000	.27000	-.04000
1.250	2.006	-.00964	403.90200	1.94719	369.40900	956.60000	1.42321	110.70000	.00000	2.23500	-.04000
1.250	3.990	-.01177	404.05400	1.94824	369.40700	956.90000	1.42333	110.60000	.00000	4.17700	-.04000
1.248	5.984	-.01417	403.68300	1.94776	370.40100	956.60000	1.42216	110.60000	.00000	6.12800	-.04000
1.248	8.004	-.01584	403.79200	1.94794	370.59800	956.90000	1.42207	110.70000	.00000	8.10400	-.04000
	GRADIENT	-.00108	-.02426	-.00002	.07415	-.01595	-.00008	.00005	.00000	.97814	-.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (14R002) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.820 BETA = .000
PHI = .000

RUN NO. 58/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.400	-7.965	.00107	.83983	-.08599	.37445	.10099	.05560	-.46044	.04538	-.42351	.06821
.401	-5.998	.00013	.86327	-.03304	.31774	.11972	.07988	-.35078	.03984	-.31796	-.01615
.401	-4.039	-.00092	.87908	.01825	.26406	.13598	.10378	-.24581	.03220	-.20970	-.02136
.401	-2.001	-.00212	.88266	.07145	.20253	.14491	.11589	-.13108	.02902	-.09715	-.02016
.401	-.000	-.00311	.88341	.12967	.14547	.14656	.12252	-.01580	.02404	.01484	-.01431
.401	1.996	-.00433	.88235	.18478	.08713	.14310	.11665	.09765	.02645	.12009	.00036
.401	3.968	-.00525	.87999	.24335	.03607	.13535	.11363	.20727	.02172	.22742	.01445
.401	6.001	-.00637	.86459	.30275	-.00377	.12147	.10044	.30652	.02103	.33799	.02725
.401	8.004	-.00757	.83349	.35450	-.05907	.09462	.07679	.41357	.01783	.44445	-.04090
	GRADIENT	-.00054	.00008	.02816	-.02856	-.00014	.00103	.05672	-.00118	.05455	.00460

RUN NO. 92/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.600	-7.988	.00054	1.04579	.06723	.50656	.25312	.23412	-.43933	.01899	-.44471	.00985
.600	-6.000	-.00002	1.07076	.12261	.45398	.27252	.26059	-.33137	.01193	-.33656	.00368
.600	-4.049	.00014	1.08046	.17911	.39897	.28590	.27828	-.21986	.00763	-.22500	-.00115
.600	-2.020	.00096	1.08697	.23771	.33950	.29607	.29027	-.10179	.00580	-.10614	-.00231
.600	.001	.00076	1.08748	.29520	.28043	.29720	.29615	.01477	.00105	.00816	-.00667
.600	1.990	-.00012	1.08268	.35111	.22350	.28944	.29286	.12761	-.00342	.12143	-.01103
.600	4.016	-.00062	1.07829	.40929	.16514	.27680	.28034	.24415	-.00354	.23831	-.01120
.599	5.964	-.00169	1.06128	.46374	.10990	.25782	.26340	.35384	-.00558	.34808	-.01352
.599	7.997	-.00077	1.03233	.51780	.05083	.23363	.24048	.46697	-.00686	.46069	-.01449
	GRADIENT	-.00013	-.00043	.02849	-.02898	-.00123	.00034	.05747	-.00157	.05731	-.00143

RUN NO. 102/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.249	-7.940	.00169	1.38398	.48136	.85364	.63748	.62790	-.37228	.00958	-.37331	.00395
1.251	-5.965	-.00095	1.40504	.53135	.81002	.65145	.64825	-.27867	.00320	-.28018	-.00148
1.251	-4.015	-.00305	1.41280	.57711	.76160	.66123	.66172	-.18448	-.00049	-.18508	-.00479
1.251	-1.990	-.00556	1.41332	.62640	.71169	.66770	.67017	-.08529	-.00247	-.08535	-.00707
1.251	-.002	-.00741	1.41115	.67344	.66463	.66844	.67340	.00881	-.00496	.00777	-.00893
1.250	2.006	-.00964	1.40993	.72136	.61601	.66441	.67198	.10535	-.00757	.10346	-.01220
1.250	3.990	-.01177	1.40722	.76869	.56856	.65575	.66332	.20014	-.00757	.19899	-.01191
1.248	5.984	-.01417	1.39258	.81603	.52073	.64169	.65142	.29530	-.00973	.29433	-.01396
1.248	8.004	-.01584	1.37251	.86344	.47185	.62431	.63383	.39159	-.00952	.39087	-.01436
	GRADIENT	-.00108	-.00073	.02390	-.02408	-.00071	.00025	.04798	-.00096	.04783	-.00097

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (J4R002) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.820 BETA = .000
PHI = .000

RUN NO. 58/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.400	-7.965	.00107	.12577	.06688	.09632	.05317	-.05345
.401	-5.998	.00013	.12594	.12780	.12687	.05458	-.02173
.401	-4.039	-.00092	.12310	.14666	.13488	.05522	.00390
.401	-2.001	-.00212	.12003	.15499	.13751	.05605	.00016
.401	-.000	-.00311	.12225	.15371	.13798	.05425	.00605
.401	1.996	-.00433	.12473	.14292	.13383	.05308	.00646
.401	3.968	-.00525	.12963	.12812	.12888	.05491	.01156
.401	6.001	-.00637	.13375	.10785	.12080	.05370	-.01263
.401	8.004	-.00757	.13228	.11507	.12367	.05287	-.04472
	GRADIENT	-.00054	.00088	-.00244	-.00078	-.00018	.00108

RUN NO. 92/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.600	-7.988	.00054	.28958	.24819	.26889	.05378	-.00311
.600	-6.000	-.00002	.29089	.27068	.28078	.05562	-.00309
.600	-4.049	.00014	.29161	.28648	.28905	.05849	-.00127
.600	-2.020	.00096	.29078	.29722	.29400	.05765	-.00104
.600	.001	.00076	.29112	.30054	.29583	.05631	-.00278
.600	1.990	-.00012	.29040	.29496	.29268	.05759	-.00090
.600	4.016	-.00062	.29013	.28240	.28627	.05721	-.00047
.599	5.964	-.00169	.28970	.26457	.27714	.05570	-.00110
.599	7.997	-.00077	.28746	.24087	.26416	.05521	-.00017
	GRADIENT	-.00013	-.00017	-.00051	-.00034	-.00013	.00009

RUN NO. 102/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.249	-7.940	.00169	.66802	.63550	.65176	.04681	-.00301
1.251	-5.965	-.00095	.67144	.65219	.66182	.04785	-.00224
1.251	-4.015	-.00305	.66965	.66362	.66664	.04956	-.00135
1.251	-1.990	-.00556	.66908	.67123	.67015	.04797	-.00082
1.251	-.002	-.00741	.66955	.67291	.67123	.04683	-.00155
1.250	2.006	-.00964	.66963	.67051	.67007	.04813	-.00065
1.250	3.990	-.01177	.66920	.66171	.66545	.04800	-.00027
1.248	5.984	-.01417	.66886	.64867	.65877	.04776	-.00089
1.248	8.004	-.01584	.66801	.63149	.64975	.04781	.00015
	GRADIENT	-.00108	-.00002	-.00022	-.00012	-.00015	.00012

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R003) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.478 BETA = .000
PHI = .000

RUN NO. 87/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-7.930	.03343	318.99800	2.46995	1267.69000	1616.39999	1.09314	110.30000	.00000	-7.38700	.02000
.599	-6.036	.03234	319.29000	2.47303	1269.17999	1618.20000	1.09311	110.20000	.00000	-5.49500	.02000
.601	-4.016	.03095	321.16400	2.48517	1272.33000	1623.50000	1.09343	110.00000	.00000	-3.47800	.02000
.600	-2.001	.03047	320.82100	2.48418	1272.34000	1623.10001	1.09332	109.90000	.00000	-1.47000	.02000
.600	-.016	.02888	320.28400	2.47994	1271.35001	1621.50000	1.09325	110.10000	.00000	.50200	.02000
.600	2.009	.02502	319.85100	2.47772	1271.16000	1620.80000	1.09313	110.10000	.00000	2.49800	.02000
.600	3.987	.02267	320.01700	2.47776	1270.96001	1620.80000	1.09319	110.20000	.00000	4.43800	.02000
.599	6.006	.02130	319.59100	2.47592	1271.07001	1620.39999	1.09305	110.20000	.00000	6.41600	.02000
.600	7.994	.01995	320.44300	2.47960	1270.85001	1621.20000	1.09333	110.20000	.00000	8.36100	.02000
	GRADIENT	-.00110	-.16318	-.00106	-.19576	-.38474	-.00003	.02993	.00000	.98919	-.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (I4R003) (12 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.478 BETA = .000
PHI = .000

RUN NO. 87/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.600	-7.930	.03343	1.05107	.07277	.50303	.25346	.23801	-.43027	.01546	-.43873	.00970
.599	-6.036	.03234	1.07131	.12791	.44929	.27237	.26191	-.32138	.01045	-.33034	.00515
.601	-4.016	.03095	1.08253	.18614	.39147	.28696	.28124	-.20533	.00572	-.21352	-.00021
.600	-2.001	.03047	1.08524	.24375	.33273	.29466	.29186	-.08899	.00280	-.09769	-.00227
.600	-.016	.02888	1.08819	.30182	.27601	.29567	.29692	.02582	-.00125	.01562	-.00572
.600	2.009	.02502	1.08608	.35941	.21703	.28835	.29336	.14238	-.00501	.13263	-.00975
.600	3.987	.02267	1.07842	.41453	.16086	.27451	.28064	.25367	-.00613	.24436	-.01097
.599	6.006	.02130	1.05967	.46959	.10341	.25383	.26272	.36618	-.00888	.35662	-.01386
.600	7.994	.01995	1.02774	.52101	.04577	.22978	.23887	.47523	-.00909	.46605	-.01385
	GRADIENT	-.00110	-.00037	.02860	-.02882	-.00156	.00002	.05742	-.00157	.05726	-.00145

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (J4R003) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.478 BETA = .000
PHI = .000

RUN NO. 87/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.600	-7.930	.03343	.29213	.24861	.27037	.05707	-.00222
.599	-6.036	.03239	.29308	.26979	.28144	.05757	-.00278
.601	-4.016	.03095	.29290	.28706	.28998	.05782	-.00179
.600	-2.001	.03047	.29259	.29579	.29419	.05708	-.00106
.600	-.016	.02888	.29401	.29853	.29627	.05753	-.00224
.600	2.009	.02502	.29309	.29323	.29316	.05734	-.00113
.600	3.987	.02267	.29235	.27999	.28617	.05591	-.00101
.599	6.006	.02130	.29129	.26076	.27602	.05527	-.00093
.600	7.994	.01995	.28798	.23670	.26234	.05497	.00047
	GRADIENT	-.00110	-.00003	-.00083	-.00043	-.00018	.00007

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R004) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.006 BETA = .000
PHI = .000

RUN NO. 60/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-7.928	.02309	258.98300	2.01097	1028.48000	1311.60001	1.09320	108.90000	.00000	-7.47100	.03000
.598	-6.018	.02384	256.08900	1.98614	1021.76000	1301.60001	1.09275	110.30000	.00000	-5.54900	.03000
.601	-3.987	.02523	254.61000	2.00674	1005.73000	1284.20000	1.09371	101.30000	.00000	-3.49700	.03000
.600	-2.041	.02475	257.19100	2.01816	1021.24000	1302.39999	1.09320	104.20000	.00000	-1.54900	.03000
.600	-.088	.02431	258.04300	2.01726	1024.81000	1306.89999	1.09319	105.90000	.00000	.39200	.03000
.599	1.969	.02332	258.44500	2.01395	1027.39000	1309.89999	1.09311	107.50000	.00000	2.43600	.03000
.600	4.015	.02298	258.89800	2.01103	1028.48000	1311.50000	1.09317	108.80000	.00000	4.46000	.03000
.599	5.990	.02236	258.01400	2.00068	1027.30000	1309.30000	1.09296	110.00000	.00000	6.40800	.03000
.599	8.027	.02187	257.56100	1.99285	1026.22000	1307.70000	1.09287	111.10000	.00000	8.41300	.03000
	GRADIENT	-.00030	.48846	.00020	2.56429	3.08362	-.00006	.91242	.00000	.99418	-.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (I4R004) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.006 BETA = .000
PHI = .000

RUN NO. 60/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.600	-7.928	.02309	.45437	-.50922	-.06733	-.32606	-.35058	-.44190	.02452	-.43346	.00061
.598	-6.018	.02384	.46212	-.47227	-.13820	-.32376	-.34357	-.33416	.01981	-.32619	.00172
.601	-3.987	.02523	.42880	-.44671	-.23484	-.34558	-.36004	-.21186	.01446	-.20533	.02113
.600	-2.041	.02475	.50438	-.32014	-.21956	-.26500	-.27700	-.10058	.01200	-.09594	-.01278
.600	-.088	.02431	.49810	-.27303	-.28525	-.27344	-.28047	.01221	.00702	.01418	-.02815
.599	1.969	.02332	.49045	-.21996	-.35187	-.28580	-.29055	.13192	.00474	.13013	-.03537
.600	4.015	.02298	.48096	-.16363	-.41217	-.30226	-.30294	.24853	.00068	.24321	-.03040
.599	5.990	.02236	.46215	-.11327	-.47524	-.32647	-.32702	.36198	.00054	.35052	-.01068
.599	8.027	.02187	.43145	-.06069	-.53629	-.35449	-.35265	.47560	-.00184	.45865	-.02535
	GRADIENT	-.00030	.00442	.03322	-.02441	.00318	.00492	.05762	-.00174	.05611	-.00623

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (J4R004) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.006 BETA = .000
PHI = .000

RUN NO. 60/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.600	-7.928	.02309	-.29249	-.32636	-.30943	.05507	-.00384
.598	-6.018	.02384	-.30927	-.32462	-.31695	.05838	.00943
.601	-3.987	.02523	-.34404	-.35615	-.35009	.05823	-.00431
.600	-2.041	.02475	-.27217	-.25862	-.26539	.05573	-.01698
.600	-.088	.02431	-.28012	-.25937	-.26975	.05665	-.00374
.599	1.969	.02332	-.28502	-.26812	-.27657	.05585	-.00217
.600	4.015	.02298	-.28524	-.28705	-.28615	.05482	.00918
.599	5.990	.02236	-.28853	-.32113	-.30483	.05367	.00298
.599	8.027	.02187	-.29002	-.34182	-.31592	.05282	-.01230
	GRADIENT	-.00030	.00516	.00630	.00573	-.00033	.00210

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R005) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 212/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.400	-7.999	-.00290	84.39070	1.03306	753.66400	841.70000	1.04073	67.20000	.00000	-7.68700	.02000
.402	-6.060	-.00224	85.06720	1.03463	752.95500	841.50000	1.04097	67.60000	.00000	-5.75300	.02000
.402	-4.076	-.00165	85.24260	1.03445	752.25200	841.00000	1.04110	68.00000	.00000	-3.77400	.02000
.401	-2.014	-.00101	84.86500	1.03041	752.16000	840.50000	1.04092	68.60000	.00000	-1.71800	.02000
.398	-.015	-.00054	83.54740	1.02146	752.48700	839.40000	1.04026	68.80000	.00000	.27400	.02000
.399	1.946	.00016	83.63900	1.02101	751.98600	839.00000	1.04035	69.10000	.00000	2.22900	.02000
.400	3.970	.00075	84.21060	1.02470	753.07200	840.70000	1.04057	69.40000	.00000	4.24600	.02000
.400	5.949	.00151	84.49870	1.02623	754.06500	842.00000	1.04064	69.80000	.00000	6.21800	.02000
.400	7.977	.00211	84.59850	1.02701	755.06200	843.10000	1.04062	70.00000	.00000	8.24000	.02000
	GRADIENT	.00030	-.16433	-.00144	.07326	-.10489	-.00008	.16477	.00000	.99676	-.00000

RUN NO. 225/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-7.984	.00666	320.91400	2.48762	1272.63000	1623.50000	1.09335	109.40000	.00000	-7.61200	-.02000
.600	-4.034	.00354	321.36700	2.48889	1273.72000	1625.10001	1.09339	109.70000	.00000	-3.70500	-.01000
.601	-.051	.00134	321.68900	2.49017	1272.82001	1624.60001	1.09354	109.60000	.00000	.23100	.00000
.600	4.016	.00104	320.23100	2.48516	1272.75000	1622.80000	1.09312	109.30000	.00000	4.24800	.00000
.600	8.028	.00004	320.40000	2.48696	1272.64999	1622.89999	1.09316	109.10000	.00000	8.21600	.00000
	GRADIENT	-.00031	-.14189	-.00047	-.12014	-.28628	-.00003	-.04978	.00000	.98798	.00124

RUN NO. 226/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-7.973	.00538	322.87200	2.00030	720.81900	1098.70000	1.17037	110.20000	.00000	-7.59500	-.01000
.800	-5.934	.00437	322.31500	1.99805	720.33200	1097.50000	1.17018	110.10000	.00000	-5.57900	-.01000
.800	-3.990	.00332	322.84700	2.00071	720.42000	1098.30000	1.17046	110.00000	.00000	-3.65800	-.01000
.800	-1.965	.00241	323.29800	2.00323	721.60900	1100.00000	1.17041	110.10000	.00000	-1.65800	-.01000
.799	.052	.00161	322.71500	2.00076	721.92100	1099.50000	1.17001	110.20000	.00000	.33300	-.01000
.800	2.039	.00089	322.64700	1.99778	719.62600	1097.30000	1.17055	110.30000	.00000	2.29400	-.01000
.800	4.026	.00030	322.89800	1.99872	720.02000	1098.00000	1.17059	110.40000	.00000	4.25700	-.01000
.800	5.998	-.00027	323.11000	2.00010	721.01400	1099.20000	1.17046	110.50000	.00000	6.20500	-.01000
.800	8.045	-.00037	322.97900	1.99869	720.11800	1098.20000	1.17061	110.50000	.00000	8.22700	-.01000
	GRADIENT	-.00038	-.02743	-.00047	-.13791	-.16383	.00002	.04991	.00000	.98725	-.00000

!A132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R005) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 228/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.899	-7.911	.00957	349.55300	1.99532	617.44100	1043.50000	1.21887	111.40000	.00000	-7.51500	-.06000
.899	-6.114	.00379	348.24200	1.98893	615.37200	1039.80000	1.21877	111.20000	.00000	-5.74300	-.03000
.898	-3.983	.00319	348.93600	1.99394	617.55300	1042.70000	1.21841	111.20000	.00000	-3.64200	-.04000
.900	-2.002	.00137	349.93300	1.99637	617.03400	1043.70000	1.21928	111.40000	.00000	-1.68900	-.04000
.899	.024	-.00027	349.35700	1.99935	616.84600	1042.70000	1.21897	110.20000	.00000	.30800	-.04000
.899	2.020	-.00139	349.41400	2.00064	617.44400	1043.30000	1.21877	110.10000	.00000	2.27300	-.04000
.900	3.952	-.00287	350.02100	2.00233	617.23200	1044.00000	1.21926	110.20000	.00000	4.17800	-.04000
.900	6.015	-.00460	349.71800	2.00148	616.24000	1042.70000	1.21944	109.90000	.00000	6.21100	-.04000
.900	8.010	-.00422	349.45300	1.99983	615.64700	1041.80000	1.21949	109.90000	.00000	8.17800	-.03000
	GRADIENT	-.00075	.08241	.00106	-.01171	.10971	.00006	-.16658	.00000	.98542	-.00000

RUN NO. 230/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.101	-7.903	.00283	372.19200	1.89905	438.64200	937.70000	1.33808	110.00000	.00000	-7.47400	-.02000
1.102	-6.098	.00243	372.75700	1.90142	438.83200	938.80000	1.33844	110.00000	.00000	-5.70100	-.02000
1.102	-3.994	.00179	373.57200	1.90431	439.41700	940.60000	1.33873	110.20000	.00000	-3.63400	-.02000
1.099	-1.974	.00081	371.91500	1.89818	439.64000	937.90000	1.33706	110.20000	.00000	-1.65100	-.02000
1.100	-.111	-.00015	371.97600	1.89821	439.04200	937.60000	1.33758	110.10000	.00000	.17700	-.02000
1.100	2.030	-.00090	372.01600	1.89739	438.94200	937.60000	1.33769	110.30000	.00000	2.27900	-.02000
1.098	3.916	-.00155	371.03400	1.89512	439.95100	936.60000	1.33602	110.20000	.00000	4.13100	-.02000
1.098	6.009	-.00248	371.52000	1.89741	440.34200	937.70000	1.33616	110.20000	.00000	6.18600	-.02000
1.098	8.015	-.00287	371.22900	1.89641	440.04700	937.00000	1.33612	110.10000	.00000	8.15300	-.02000
	GRADIENT	-.00042	-.25044	-.00097	.01847	-.41793	-.00024	.00545	.00000	.98172	.00000

RUN NO. 518/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.007	.00526	404.42400	1.95232	369.80000	957.80000	1.42328	110.10000	.00000	-5.64800	.00000
1.250	-4.047	.00484	403.51000	1.94986	369.11600	955.70000	1.42315	109.70000	.00000	-3.72400	-.01000
1.250	-2.034	.00350	403.25600	1.94952	368.42500	954.90000	1.42355	109.40000	.00000	-1.74800	-.01000
1.250	-.026	.00261	404.61300	1.95606	370.09500	958.30000	1.42317	109.50000	.00000	.22200	-.01000
1.250	1.971	.00174	404.58400	1.95675	369.99600	958.20000	1.42324	109.30000	.00000	2.18100	-.01000
1.250	4.002	.00084	403.34300	1.95151	368.72100	955.20000	1.42336	109.10000	.00000	4.17500	-.01000
1.250	6.017	.00012	403.78500	1.95400	369.01400	956.20000	1.42347	109.00000	.00000	6.15200	-.01000
	GRADIENT	-.00049	.04907	.00052	.03845	.11350	.00001	-.06469	.00000	.98130	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R005) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 232/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.398	-7.910	.00667	428.83600	1.99359	313.40800	994.70000	1.49282	111.10000	.00000	-7.47200	-.03000
1.398	-6.081	.00662	429.27000	1.99505	313.60200	995.70000	1.49293	111.20000	.00000	-5.67700	-.04000
1.399	-3.969	.00556	429.92000	1.99839	313.89300	997.20000	1.49311	111.10000	.00000	-3.60600	-.04000
1.401	-2.005	.00493	430.58400	1.99983	313.49100	998.70000	1.49393	111.30000	.00000	-1.68100	-.03000
1.399	-.114	.00191	429.79500	1.99718	313.59700	996.90000	1.49330	111.20000	.00000	.17400	-.03000
1.400	2.029	.00060	428.93600	1.99352	312.81400	994.90000	1.49344	111.10000	.00000	2.27500	-.04000
1.400	3.949	-.00094	429.71600	1.99700	313.20200	996.70000	1.49361	111.10000	.00000	4.15700	-.04000
1.399	5.992	-.00109	430.05200	1.99985	313.89200	997.50000	1.49319	110.90000	.00000	6.16000	-.03000
1.402	7.998	.00008	430.07500	1.99713	312.70500	997.50000	1.49431	111.30000	.00000	8.12500	-.04000
	GRADIENT	-.00087	-.10467	-.00046	-.10464	-.24436	.00003	-.01028	.00000	.98049	-.00053

RUN NO. 234/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-7.885	-.00344	433.10200	2.00156	294.36000	1005.30000	1.51359	110.00000	.00000	-7.44700	.05000
1.451	-5.964	-.00248	432.98800	2.00206	293.76700	1005.10000	1.51408	109.70000	.00000	-5.56300	.04000
1.451	-3.972	-.00459	432.52600	1.99822	293.67200	1004.00000	1.51388	110.10000	.00000	-3.60900	.04000
1.451	-1.953	-.00167	433.99000	2.00403	294.64800	1007.40000	1.51389	110.30000	.00000	-1.63000	.04000
1.450	.036	.00006	432.79000	1.99766	293.96700	1004.60000	1.51377	110.50000	.00000	.32100	.04000
1.449	2.009	-.00047	431.52300	1.99308	293.58400	1001.60000	1.51331	110.30000	.00000	2.25500	.04000
1.450	3.988	.00167	433.75000	2.00179	294.84900	1006.80000	1.51355	110.60000	.00000	4.19500	.03000
1.450	6.028	.00401	432.61900	1.99595	293.87000	1004.20000	1.51375	110.70000	.00000	6.19500	.04000
1.451	8.021	.00496	432.03200	1.99289	292.98400	1002.90000	1.51422	110.70000	.00000	8.14800	.03000
	GRADIENT	.00069	-.00066	-.00019	.06502	-.00937	-.00006	.05038	.00000	.98049	-.00100

RUN NO. 236/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.501	-7.897	.00002	434.80100	1.99343	275.87600	1013.50000	1.53242	110.60000	.00000	-7.46100	-.01000
1.501	-6.097	.00078	438.49000	2.00940	278.21700	1022.10000	1.53242	110.80000	.00000	-5.69400	-.01000
1.500	-3.988	.00224	435.20600	1.99443	276.26900	1014.40000	1.53228	110.80000	.00000	-3.62600	-.02000
1.500	-2.112	.00104	435.11500	1.99492	276.17000	1014.20000	1.53232	110.60000	.00000	-1.78600	-.02000
1.499	-.020	.00005	435.96000	1.99821	277.25400	1016.00000	1.53180	110.80000	.00000	.26600	-.02000
1.499	2.016	-.00117	435.54400	1.99522	276.76200	1015.10000	1.53202	111.00000	.00000	2.26100	-.02000
1.498	3.934	-.00006	435.16100	1.99508	276.86600	1014.10000	1.53168	110.70000	.00000	4.14200	-.02000
1.501	6.003	-.00133	435.18100	1.99327	276.07000	1014.40000	1.53246	111.00000	.00000	6.17000	-.01000
1.501	8.010	.00081	435.19500	1.99368	275.87100	1014.50000	1.53266	110.90000	.00000	8.13700	-.01000
	GRADIENT	-.00034	.01790	.00008	.09022	.01712	-.00008	.01075	.00000	.98060	-.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R005) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 238/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.549	-7.918	.00800	438.31000	1.99849	260.96600	1028.89999	1.54906	110.90000	.00000	-7.48200	-.04000
1.552	-6.084	.00890	437.50500	1.99864	259.57800	1027.50000	1.54996	110.80000	.00000	-5.68300	-.04000
1.550	-3.998	.01129	437.79600	1.99642	260.27300	1027.89999	1.54944	110.80000	.00000	-3.63700	-.05000
1.552	-2.069	.00670	438.04800	1.99720	259.66900	1028.89999	1.55019	110.80000	.00000	-1.74500	-.05000
1.547	.027	.00337	437.71300	1.99605	261.17500	1027.20000	1.54851	110.90000	.00000	.31100	-.04000
1.550	1.884	-.00013	438.72100	1.99977	260.95900	1030.00000	1.54931	111.00000	.00000	2.13200	-.04000
1.552	3.974	-.00644	438.16300	1.99779	259.86700	1029.10001	1.55006	110.80000	.00000	4.18100	-.05000
1.552	6.019	-.00506	437.80700	1.99622	259.77300	1028.20000	1.54994	110.80000	.00000	6.18600	-.04000
1.548	8.028	-.00225	437.48400	1.99441	260.77900	1026.80000	1.54876	111.00000	.00000	8.18500	-.04000
	GRADIENT	-.00213	.06896	.00026	.02460	.17092	.00002	.00986	.00000	.98070	.00050

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (I4R005) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 212/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.400	-7.999	-.00290	.98444	.06036	.49665	.21439	.19316	-.43629	.02122	-.43521	.01664
.402	-6.060	-.00224	1.01262	.11408	.44385	.23591	.21759	-.32977	.01832	-.32838	.01376
.402	-4.076	-.00165	1.02947	.16921	.38983	.25215	.23698	-.22062	.01517	-.22040	.00923
.401	-2.014	-.00101	1.03663	.22709	.33454	.26236	.25091	-.10746	.01146	-.10682	.00698
.398	-.015	-.00054	1.03493	.28138	.27909	.26391	.25684	.00229	.00707	-.00081	.00057
.399	1.946	.00016	1.02973	.33405	.22131	.25922	.25023	.11275	.00899	.11083	.00233
.400	3.970	.00075	1.02260	.38981	.16422	.24797	.23973	.22558	.00823	.22587	.00138
.400	5.949	.00151	1.00511	.44418	.10878	.23120	.22449	.33540	.00671	.33393	.00172
.400	7.977	.00211	.97465	.49882	.05116	.20706	.20131	.44765	.00575	.44682	.00043
	GRADIENT	.00030	-.00102	.02734	-.02815	-.00056	.00025	.05548	-.00082	.05536	-.00102

RUN NO. 225/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.600	-7.984	.00666	1.04653	.07160	.51274	.25211	.23006	-.44114	.02205	-.44062	.01754
.600	-4.034	.00354	1.08548	.18385	.40472	.28700	.27738	-.22087	.00962	-.21976	.00438
.601	-.051	.00134	1.08660	.29698	.28802	.29390	.29430	.00896	-.00040	.00970	-.00442
.600	4.016	.00104	1.07994	.41258	.17170	.27406	.28067	.24088	-.00662	.24236	-.01069
.600	8.028	.00004	1.03446	.52337	.05580	.23191	.23873	.46757	-.00682	.46946	-.01090
	GRADIENT	-.00031	-.00069	.02842	-.02895	-.00162	.00040	.05736	-.00201	.05741	-.00187

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (14R005) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 226/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.800	-7.973	.00538	1.12816	.13322	.57823	.32050	.29691	-.44502	.02359	-.44146	.01581
.800	-5.934	.00437	1.15230	.19143	.52519	.34043	.32152	-.33376	.01891	-.32985	.01119
.800	-3.990	.00332	1.16092	.24750	.47037	.35283	.34061	-.22287	.01222	-.21915	.00399
.800	-1.965	.00241	1.16387	.30441	.41188	.36008	.35277	-.10747	.00731	-.10312	-.00099
.799	.052	.00161	1.16655	.36195	.35349	.36131	.35770	.00846	.00361	.01163	-.00360
.800	2.039	.00089	1.16209	.41779	.29668	.35518	.35449	.12111	.00069	.12507	-.00648
.800	4.026	.00030	1.15589	.47203	.24060	.34228	.34357	.23142	-.00128	.23545	-.00868
.800	5.998	-.00027	1.14328	.52705	.18354	.32854	.32768	.34351	.00086	.34737	-.00680
.800	8.045	-.00037	1.11747	.58210	.12360	.30533	.30534	.45850	-.00002	.46234	-.00745
	GRADIENT	-.00038	-.00059	.02807	-.02868	-.00129	.00039	.05675	-.00168	.05676	-.00154

RUN NO. 228/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.899	-7.911	.00957	1.18289	.20825	.63490	.38871	.36862	-.42664	.02009	-.42401	.00905
.899	-6.114	.00379	1.20145	.25857	.58835	.40438	.38750	-.32978	.01689	-.32712	.00591
.898	-3.983	.00319	1.20895	.31621	.53018	.41759	.40643	-.21397	.01117	-.21106	.00032
.900	-2.002	.00137	1.21017	.36924	.47384	.42255	.41627	-.10460	.00627	-.10139	-.00329
.899	.024	-.00027	1.21126	.42543	.41797	.42526	.42035	.00746	.00491	.00907	-.00454
.899	2.020	-.00139	1.21223	.48166	.36452	.42212	.41948	.11714	.00264	.11937	-.00666
.900	3.952	-.00287	1.20583	.53340	.31167	.41014	.40800	.22173	.00213	.22395	-.00709
.900	6.015	-.00460	1.19401	.58732	.25532	.39802	.39221	.33200	.00581	.33439	-.00378
.900	8.010	-.00422	1.16949	.63902	.19867	.37756	.37074	.44035	.00683	.44275	-.00335
	GRADIENT	-.00075	-.00020	.02749	-.02747	-.00076	.00033	.05496	-.00109	.05484	-.00092

RUN NO. 230/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.101	-7.903	.00283	1.30448	.41495	.79833	.57515	.55784	-.38338	.01730	-.38172	.00832
1.102	-6.098	.00243	1.32202	.46090	.75771	.59055	.57607	-.29681	.01448	-.29510	.00520
1.102	-3.994	.00179	1.32809	.51126	.70418	.60071	.59092	-.19292	.00979	-.19169	.00092
1.099	-1.974	.00081	1.33069	.55991	.65229	.60586	.59928	-.09238	.00658	-.09092	-.00255
1.100	-.111	-.00015	1.32992	.60441	.60520	.60683	.60277	-.00078	.00407	-.00026	-.00372
1.100	2.030	-.00090	1.32951	.65801	.55352	.60327	.60074	.10449	.00253	.10549	-.00529
1.098	3.916	-.00155	1.32240	.70175	.50447	.59228	.58897	.19728	.00330	.19800	-.00475
1.098	6.009	-.00248	1.31336	.75399	.45446	.58163	.57622	.29953	.00541	.30049	-.00292
1.098	8.015	-.00287	1.29345	.80143	.40440	.56225	.55829	.39702	.00395	.39788	-.00373
	GRADIENT	-.00042	-.00063	.02417	-.02513	-.00098	-.00012	.04930	-.00086	.04923	-.00071

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (I4R005) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 518/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.250	-6.007	.00526	1.41334	.52991	.81461	.65421	.64940	-.28470	.00481	-.28450	.00181
1.250	-4.047	.00484	1.42176	.57822	.76701	.66420	.66389	-.18880	.00031	-.18849	-.00178
1.250	-2.034	.00350	1.42126	.62584	.71566	.66910	.67454	-.08982	-.00545	-.08955	-.00764
1.250	-.026	.00261	1.41998	.67540	.66810	.67142	.67876	.00730	-.00734	.00643	-.00940
1.250	1.971	.00174	1.42259	.72246	.61998	.66686	.67723	.10248	-.01037	.10224	-.01267
1.250	4.002	.00084	1.42027	.77223	.57012	.65861	.66731	.20211	-.00870	.20136	-.01079
1.250	6.017	.00012	1.40596	.82068	.52181	.64521	.65478	.29887	-.00957	.29825	-.01196
	GRADIENT	-.00049	-.00008	.02411	-.02435	-.00067	.00047	.04846	-.00114	.04833	-.00114

RUN NO. 232/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.398	-7.910	.00667	1.46684	.50567	.88896	.66578	.64568	-.38329	.02010	-.38367	.01423
1.398	-6.081	.00662	1.47830	.54872	.84392	.67869	.66119	-.29519	.01750	-.29522	.01153
1.399	-3.969	.00556	1.48829	.60002	.78960	.68654	.67709	-.18958	.00946	-.18952	.00366
1.401	-2.005	.00493	1.48553	.64555	.73381	.68986	.68320	-.08826	.00666	-.08794	.00055
1.399	-.114	.00191	1.48707	.69371	.68761	.69226	.68604	.00610	.00622	.00560	.00013
1.400	2.029	.00060	1.48342	.74685	.63451	.68755	.68162	.11235	.00593	.11152	.00001
1.400	3.949	-.00094	1.48381	.79478	.58861	.68070	.67456	.20617	.00614	.20592	.00015
1.399	5.992	-.00109	1.47799	.84507	.54027	.66987	.66143	.30480	.00845	.30435	.00235
1.402	7.998	.00008	1.46239	.89031	.49059	.65303	.64298	.39971	.01005	.39962	.00404
	GRADIENT	-.00087	-.00056	.02470	-.02522	-.00072	-.00035	.04993	-.00037	.04984	-.00038

RUN NO. 234/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.450	-7.885	-.00344	1.48676	.50640	.88779	.66632	.64571	-.38138	.02061	-.38123	.01462
1.451	-5.964	-.00248	1.50229	.54795	.83737	.67735	.66028	-.28942	.01706	-.28905	.01133
1.451	-3.972	-.00459	1.50108	.59467	.78563	.68448	.67063	-.19096	.01385	-.19092	.00806
1.451	-1.953	-.00167	1.49165	.64299	.73334	.68966	.67533	-.09034	.01433	-.08995	.00820
1.450	.036	.00006	1.49644	.68912	.68306	.69018	.67706	.00606	.01312	.00597	.00686
1.449	2.009	-.00047	1.50103	.73922	.63369	.68760	.67601	.10553	.01159	.10543	.00563
1.450	3.988	.00167	1.49806	.79076	.58436	.68105	.66926	.20640	.01180	.20651	.00567
1.450	6.028	.00401	1.49166	.84012	.53581	.66911	.65700	.30432	.01212	.30431	.00571
1.451	8.021	.00496	1.47310	.88658	.49327	.65308	.64059	.39331	.01249	.39351	.00635
	GRADIENT	.00069	.00016	.02456	-.02526	-.00044	-.00010	.04983	-.00034	.04981	-.00037

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (14R005) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 236/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.501	-7.897	.00002	1.50482	.50846	.89184	.66613	.64814	-.38337	.01799	-.38358	.01218
1.501	-6.097	.00078	1.51163	.54743	.84670	.67670	.66122	-.29922	.01549	-.29985	.00974
1.500	-3.988	.00224	1.51990	.59520	.79038	.68715	.67484	-.19518	.01230	-.19555	.00622
1.500	-2.112	.00104	1.52184	.63938	.74074	.69151	.68047	-.10136	.01104	-.10178	.00494
1.499	-.020	.00005	1.51846	.69284	.68711	.69298	.68403	.00574	.00895	.00458	.00306
1.499	2.016	-.00117	1.51920	.74055	.63449	.68766	.68187	.10607	.00579	.10520	.00004
1.498	3.934	-.00006	1.51867	.78816	.58974	.68043	.67529	.19842	.00514	.19781	-.00080
1.501	6.003	-.00133	1.51373	.84042	.53961	.66896	.66184	.30081	.00712	.29991	.00159
1.501	8.010	.00081	1.50115	.89386	.49074	.65503	.64496	.40312	.01007	.40247	.00420
	GRADIENT	-.00034	-.00026	.02439	-.02542	-.00087	.00012	.04981	-.00098	.04976	-.00095

RUN NO. 238/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.549	-7.918	.00800	1.53861	.50038	.89826	.66102	.63900	-.39788	.02202	-.39987	.01704
1.552	-6.084	.00890	1.54465	.54846	.84871	.67205	.66025	-.30025	.01179	-.30217	.00699
1.550	-3.998	.01129	1.54847	.59475	.79022	.67816	.66649	-.19546	.01167	-.19725	.00700
1.552	-2.069	.00670	1.55105	.63854	.73923	.68402	.67694	-.10069	.00708	-.10256	.00205
1.547	.027	.00337	1.55129	.68658	.68466	.68770	.68022	.00192	.00748	-.00044	.00263
1.550	1.884	-.00013	1.54799	.73259	.63714	.68299	.67481	.09545	.00818	.09321	.00328
1.552	3.974	-.00644	1.54373	.79270	.58939	.67689	.67085	.20331	.00604	.20105	.00130
1.552	6.019	-.00506	1.54636	.85148	.54435	.66729	.66518	.30713	.00212	.30478	-.00214
1.548	8.028	-.00225	1.54195	.90457	.49829	.65271	.65101	.40628	.00170	.40418	-.00238
	GRADIENT	-.00213	-.00063	.02463	-.02531	-.00018	.00033	.04994	-.00051	.04988	-.00051

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (J4R005) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 212/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.400	-7.999	-.00290	.27797	.20607	.24202	.05539	-.00113
.402	-6.060	-.00224	.27827	.22903	.25365	.05454	-.00220
.402	-4.076	-.00165	.27941	.24754	.26347	.05507	-.00135
.401	-2.014	-.00101	.28050	.25887	.26969	.05366	-.00260
.398	-.015	-.00054	.28178	.26362	.27270	.05462	-.00125
.399	1.946	.00016	.27864	.25806	.26835	.05780	.00075
.400	3.970	.00075	.27687	.24727	.26207	.05543	-.00040
.400	5.949	.00151	.27722	.23034	.25378	.05481	-.00000
.400	7.977	.00211	.27541	.20685	.24113	.05606	-.00095
	GRADIENT	.00030	-.00034	-.00006	-.00020	.00024	.00026

RUN NO. 225/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.600	-7.984	.00666	.29191	.24334	.26763	.05544	-.00361
.600	-4.034	.00354	.29373	.28481	.28927	.05685	-.00277
.601	-.051	.00134	.29213	.29611	.29412	.05770	-.00192
.600	4.016	.00104	.29140	.27940	.28540	.05680	-.00079
.600	8.028	.00004	.28864	.23736	.26300	.05649	.00032
	GRADIENT	-.00185	.08720	.08406	.08563	-.00005	.00026

RUN NO. 226/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.800	-7.973	.00538	.35395	.31260	.33327	.05416	-.00181
.800	-5.934	.00437	.35635	.33484	.34559	.05587	-.00318
.800	-3.990	.00332	.35708	.35083	.35396	.05748	-.00343
.800	-1.965	.00241	.35597	.36057	.35827	.05698	-.00165
.799	.052	.00161	.35613	.36311	.35962	.05719	-.00123
.800	2.039	.00089	.35525	.35842	.35684	.05617	-.00164
.800	4.026	.00030	.35430	.34663	.35046	.05600	.00014
.800	5.998	-.00027	.35337	.33194	.34265	.05673	.00066
.800	8.045	-.00037	.35093	.30905	.32999	.05588	-.00081
	GRADIENT	-.00038	-.00031	-.00052	-.00042	-.00019	.00036

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (J4R005) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 228/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.899	-7.911	.00957	.42026	.38418	.40222	.05387	-.00150
.899	-6.114	.00379	.42213	.40143	.41178	.05403	-.00224
.898	-3.983	.00319	.42174	.41743	.41959	.05515	-.00251
.900	-2.002	.00137	.41994	.42419	.42206	.05490	-.00102
.899	.024	-.00027	.42090	.42754	.42422	.05490	-.00075
.899	2.020	-.00139	.42197	.42545	.42371	.05492	-.00101
.900	3.952	-.00287	.42143	.41368	.41756	.05355	.00097
.900	6.015	-.00460	.42012	.39991	.41002	.05387	.00118
.900	8.010	-.00422	.41764	.37924	.39844	.05450	-.00026
	GRADIENT	-.00075	.00007	-.00030	-.00012	-.00016	.00035

RUN NO. 230/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.101	-7.903	.00283	.60581	.57099	.58840	.04778	-.00165
1.102	-6.098	.00243	.60845	.58795	.59820	.04841	-.00188
1.102	-3.994	.00179	.60710	.60025	.60368	.04987	-.00208
1.099	-1.974	.00081	.60537	.60713	.60625	.04921	-.00106
1.100	-.111	-.00015	.60454	.60870	.60662	.04888	-.00064
1.100	2.030	-.00090	.60527	.60592	.60559	.04935	-.00037
1.098	3.916	-.00155	.60275	.59465	.59870	.04896	.00087
1.098	6.009	-.00248	.60375	.58308	.59342	.04878	.00031
1.098	8.015	-.00287	.60249	.56411	.58330	.04845	-.00077
	GRADIENT	-.00042	-.00044	-.00062	-.00053	-.00008	.00033

RUN NO. 518/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.250	-6.007	.00526	.67216	.65330	.66273	.04886	-.00137
1.250	-4.047	.00484	.67246	.66509	.66877	.04927	-.00275
1.250	-2.034	.00350	.67061	.67292	.67177	.04850	-.00182
1.250	-.026	.00261	.67219	.67612	.67415	.04758	-.00134
1.250	1.971	.00174	.67134	.67320	.67227	.04855	-.00037
1.250	4.002	.00084	.67155	.66400	.66778	.04855	.00065
1.250	6.017	.00012	.67156	.65119	.66137	.04786	-.00120
	GRADIENT	-.00049	-.00005	-.00010	-.00008	-.00007	.00041

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (J4R005) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 232/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.398	-7.910	.00667	.69751	.65866	.67809	.04807	-.00079
1.398	-6.081	.00662	.69634	.67293	.68463	.04888	-.00285
1.399	-3.969	.00556	.69478	.68471	.68975	.05147	-.00309
1.401	-2.005	.00493	.68952	.68958	.68955	.05073	-.00057
1.399	-.114	.00191	.69092	.69219	.69155	.04909	-.00004
1.400	2.029	.00060	.69109	.68754	.68932	.04950	-.00013
1.400	3.949	-.00094	.69182	.68062	.68622	.04871	.00061
1.399	5.992	-.00109	.69289	.66870	.68080	.04773	.00111
1.402	7.998	.00008	.69050	.65101	.67075	.04738	.00071
	GRADIENT	-.00087	-.00022	-.00053	-.00037	-.00034	.00039

RUN NO. 234/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.450	-7.885	-.00344	.69702	.65901	.67801	.04776	-.00160
1.451	-5.964	-.00248	.69248	.67168	.68208	.04846	-.00194
1.451	-3.972	-.00459	.69013	.68045	.68529	.05011	-.00068
1.451	-1.953	-.00167	.68797	.68556	.68676	.04893	-.00006
1.450	.036	.00006	.68614	.68675	.68644	.04889	-.00090
1.449	2.009	-.00047	.68650	.68478	.68564	.05142	-.00024
1.450	3.988	.00167	.68750	.67822	.68286	.04992	.00006
1.450	6.028	.00401	.68796	.66626	.67711	.04599	.00014
1.451	8.021	.00496	.68982	.64990	.66986	.04415	.00041
	GRADIENT	.00069	-.00034	-.00026	-.00030	.00010	.00007

RUN NO. 236/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.501	-7.897	.00002	.70026	.66004	.68015	.04579	-.00121
1.501	-6.097	.00078	.69741	.67184	.68462	.04794	-.00165
1.500	-3.988	.00224	.69297	.68404	.68851	.04996	-.00119
1.500	-2.112	.00104	.69027	.68904	.68965	.05049	-.00054
1.499	-.020	.00005	.69055	.69145	.69100	.05044	-.00135
1.499	2.016	-.00117	.68795	.68764	.68779	.04855	-.00121
1.498	3.934	-.00006	.68926	.68083	.68504	.04848	.00047
1.501	6.003	-.00133	.69047	.66816	.67931	.05035	.00142
1.501	8.010	.00081	.69263	.65293	.67278	.05146	.00124
	GRADIENT	-.00034	-.00049	-.00039	-.00044	-.00025	.00013

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (J4R005) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 238/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.549	-7.918	.00800	.70032	.65250	.67641	.05395	-.00709
1.552	-6.084	.00890	.69954	.66855	.68405	.05191	-.00225
1.550	-3.998	.01129	.69338	.67466	.68402	.04939	-.00099
1.552	-2.069	.00670	.68982	.68300	.68641	.04867	-.00178
1.547	.027	.00337	.68680	.68639	.68659	.04940	.00096
1.550	1.884	-.00013	.68599	.68135	.68367	.05130	-.00025
1.552	3.974	-.00644	.69218	.67624	.68421	.05142	-.00166
1.552	6.019	-.00506	.69909	.66836	.68373	.04997	-.00101
1.548	8.028	-.00225	.70248	.65390	.67819	.04923	.00033
	GRADIENT	-.00213	-.00031	.00008	-.00012	.00034	.00001

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R006) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.484 BETA = .000
PHI = .000

RUN NO. 215/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.601	-7.987	.00356	321.40200	2.48282	1271.53000	1623.00000	1.09355	110.50000	.00000	-7.61800	.00000
.600	-6.167	.00269	320.39000	2.47994	1272.25000	1622.50000	1.09320	110.30000	.00000	-5.81800	.00000
.599	-4.061	.00219	320.23500	2.47980	1272.95000	1623.00000	1.09310	110.30000	.00000	-3.73700	.00000
.601	-2.017	.00159	321.35100	2.48547	1273.02000	1624.39999	1.09345	110.20000	.00000	-1.71700	.00000
.601	-.019	.00080	321.44100	2.48604	1273.22000	1624.70000	1.09345	110.20000	.00000	.25800	.00000
.601	1.974	.00009	321.87600	2.48824	1273.50999	1625.50000	1.09356	110.20000	.00000	2.22700	.00000
.600	3.851	-.00028	320.68700	2.48320	1273.94000	1624.50000	1.09315	110.20000	.00000	4.08400	.00000
.599	5.942	-.00034	320.44400	2.48314	1274.53999	1624.80000	1.09305	110.10000	.00000	6.15200	.00000
.600	7.967	.00012	321.03700	2.48613	1274.23000	1625.20000	1.09324	110.00000	.00000	8.15500	.00000
	GRADIENT	-.00032	.07501	.00050	.12412	.20985	.00001	-.01020	.00000	.98841	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (I4R006) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.484 BETA = .000
PHI = .000

RUN NO. 215/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.601	-7.987	.00356	1.04667	.07190	.51361	.24792	.23199	-.44171	.01593	-.44078	.01602
.600	-6.167	.00269	1.07544	.12421	.46458	.26784	.25803	-.34027	.00981	-.33896	.00970
.599	-4.061	.00219	1.08510	.18373	.40377	.28337	.28025	-.22004	.00312	-.21881	.00291
.601	-2.017	.00159	1.08597	.24125	.34526	.28955	.29158	-.10401	-.00204	-.10155	-.00207
.601	-.019	.00080	1.08772	.29812	.28875	.29230	.29661	.00937	-.00432	.01046	-.00328
.601	1.974	.00009	1.08455	.35472	.23142	.28542	.29404	.12330	-.00862	.12503	-.00759
.600	3.851	-.00028	1.08141	.40907	.17754	.27556	.28381	.23154	-.00825	.23345	-.00730
.599	5.942	-.00034	1.06504	.46798	.11722	.25701	.26607	.35076	-.00905	.35297	-.00788
.600	7.967	.00012	1.03574	.52194	.05902	.23214	.24136	.46291	-.00922	.46545	-.00829
	GRADIENT	-.00032	-.00044	.02847	-.02858	-.00097	.00052	.05705	-.00149	.05708	-.00131

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (J4R006) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.484 BETA = .000
PHI = .000

RUN NO. 215/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.601	-7.987	.00356	.29229	.23991	.26610	.05570	-.00352
.600	-6.167	.00269	.29379	.26299	.27839	.05640	-.00337
.599	-4.061	.00219	.29314	.28192	.28753	.05760	-.00312
.601	-2.017	.00159	.29203	.29058	.29131	.05651	-.00111
.601	-.019	.00080	.29289	.29394	.29342	.05657	-.00151
.601	1.974	.00009	.29221	.28922	.29071	.05788	-.00117
.600	3.851	-.00028	.29235	.27921	.28578	.05764	.00033
.599	5.942	-.00034	.29150	.26095	.27622	.05632	-.00042
.600	7.967	.00012	.28921	.23628	.26275	.05514	-.00009
	GRADIENT	-.00032	-.00007	-.00031	-.00019	.00007	.00035

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R007) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 261/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-8.002	.00448	320.44400	2.48203	1274.53999	1624.80000	1.09305	110.30000	.00000	-7.67900	.01000
.599	-5.993	.00346	320.14300	2.48080	1272.64999	1622.60001	1.09311	110.00000	.00000	-5.69200	.01000
.598	-4.009	.00364	318.58400	2.47540	1271.99001	1620.10001	1.09268	109.60000	.00000	-3.73000	.00000
.599	-2.035	.00246	319.66100	2.48475	1274.06000	1623.39999	1.09285	109.10000	.00000	-1.77900	.00000
.600	.017	.00101	321.35200	2.49291	1276.71001	1628.00000	1.09316	109.40000	.00000	.24800	.00000
.599	1.979	.00043	320.26100	2.48357	1274.05000	1624.10001	1.09301	109.80000	.00000	2.18800	.00000
.599	4.001	-.00028	319.45000	2.47688	1272.37000	1621.50000	1.09291	110.10000	.00000	4.18900	.00000
.599	5.986	.00016	319.80500	2.47833	1272.86000	1622.39999	1.09298	110.20000	.00000	6.15400	.01000
.599	8.003	-.00052	320.18000	2.48115	1274.25000	1624.20000	1.09298	110.20000	.00000	8.15000	.01000
	GRADIENT	-.00049	.11707	.00009	.03864	.17668	.00003	.08497	.00000	.98860	.00000

RUN NO. 273/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.799	-7.974	.00621	319.50100	1.98423	715.00300	1088.80000	1.16994	109.50000	.00000	-7.63800	.00000
.800	-5.956	.00520	322.97200	2.00380	721.21600	1099.20000	1.17033	109.60000	.00000	-5.64200	.00000
.799	-4.030	.00430	324.26500	2.01351	726.27900	1105.60001	1.16979	109.70000	.00000	-3.73800	.00000
.799	-1.996	.00338	320.92100	1.99259	717.26800	1092.80000	1.17017	109.40000	.00000	-1.73000	.00000
.799	.029	.00232	322.60800	2.00418	722.62200	1100.00000	1.16977	109.50000	.00000	.27000	.00000
.799	1.994	.00163	320.07600	1.98714	716.98700	1091.39999	1.16976	109.80000	.00000	2.20800	.00000
.799	3.993	.00100	322.67200	2.00260	721.22300	1098.80000	1.17016	109.60000	.00000	4.18300	.00000
.799	5.998	.00021	324.09700	2.01091	724.78600	1104.00000	1.17006	109.80000	.00000	6.16300	.00000
.799	8.011	-.00052	321.81400	1.99869	720.74200	1097.20000	1.16980	109.60000	.00000	8.15200	.00000
	GRADIENT	-.00042	-.20194	-.00136	-.52029	-.75112	.00002	.00977	.00000	.98724	.00000

RUN NO. 264/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-8.020	.00620	349.89500	2.00122	616.63600	1043.30000	1.21941	110.20000	.00000	-7.66600	.00000
.899	-5.966	.00489	349.03200	1.99757	616.35400	1041.80000	1.21893	110.20000	.00000	-5.64000	.00000
.900	-3.978	.00374	348.59900	1.99497	615.46500	1040.39999	1.21898	110.20000	.00000	-3.68000	.00000
.900	-1.996	.00275	348.40300	1.99359	614.87000	1039.60001	1.21908	110.20000	.00000	-1.72600	.00000
.899	.015	.00148	348.45600	1.99514	616.16600	1040.80000	1.21862	110.20000	.00000	.25600	.00000
.900	1.976	.00107	349.30100	1.99851	616.24900	1042.10001	1.21915	110.20000	.00000	2.18800	.00000
.901	4.001	.00027	349.91700	2.00034	616.13600	1042.89999	1.21961	110.30000	.00000	4.18600	.00000
.901	5.984	-.00054	350.11300	2.00172	616.73100	1043.70000	1.21952	110.30000	.00000	6.14100	.00000
.900	7.991	-.00186	350.21100	2.00422	617.02800	1044.10001	1.21947	109.90000	.00000	8.12000	.00000
	GRADIENT	-.00043	.17732	.00079	.13661	.37639	.00007	.01006	.00000	.98573	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R007) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 272/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.103	-7.977	.00716	373.41900	1.90332	438.62400	939.80000	1.33921	110.10000	.00000	-7.59000	.00000
1.101	-5.970	.00613	372.85300	1.90201	439.03000	939.10000	1.33838	110.00000	.00000	-5.61800	.00000
1.101	-4.001	.00480	372.46300	1.89975	439.13500	938.50000	1.33794	110.20000	.00000	-3.68400	.00000
1.101	-2.011	.00338	372.34900	1.89867	438.54000	937.90000	1.33830	110.20000	.00000	-1.73000	.00000
1.102	.024	.00223	372.00000	1.89801	437.94800	936.90000	1.33845	109.90000	.00000	.26800	.00000
1.101	1.970	.00139	371.41600	1.89447	437.95700	935.90000	1.33790	110.20000	.00000	2.17800	.00000
1.098	4.006	.00049	370.66900	1.89310	438.96200	935.30000	1.33645	110.10000	.00000	4.17800	.00000
1.100	5.998	-.00067	372.98400	1.90301	440.32000	940.20000	1.33751	110.20000	.00000	6.13300	.00000
1.099	7.986	-.00187	372.34000	1.90055	440.33000	939.10000	1.33691	110.20000	.00000	8.08300	.00000
	GRADIENT	-.00053	-.22608	-.00087	-.04635	-.41997	-.00017	-.01022	.00000	.98179	.00000

RUN NO. 265/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.252	-8.020	.00704	404.79200	1.95414	368.80600	958.10000	1.42446	109.80000	.00000	-7.62900	.01000
1.253	-5.978	.00646	404.91500	1.95317	368.70600	958.30000	1.42464	110.10000	.00000	-5.62300	.01000
1.252	-3.966	.00572	404.09600	1.95157	368.51600	956.60000	1.42415	109.70000	.00000	-3.64800	.00000
1.249	-2.007	.00466	403.66200	1.94889	369.80700	956.30000	1.42266	110.20000	.00000	-1.72500	.00000
1.251	.000	.00335	404.26400	1.95126	368.91000	957.10000	1.42394	110.00000	.00000	.24500	.00000
1.252	1.978	.00233	404.85800	1.95479	369.20100	958.40000	1.42417	109.80000	.00000	2.18600	.00000
1.249	4.037	.00123	404.81600	1.95574	370.78600	959.00000	1.42273	109.90000	.00000	4.20700	.00000
1.248	6.001	.00026	404.59800	1.95518	371.08500	958.70000	1.42229	109.90000	.00000	6.13500	.00000
1.248	7.990	-.00054	404.85300	1.95527	371.08200	959.20000	1.42250	110.10000	.00000	8.08600	.00000
	GRADIENT	-.00057	.13198	.00071	.19740	.34565	-.00007	-.00018	.00000	.98154	.00000

RUN NO. 271/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.402	-8.004	.00920	430.54800	2.00682	313.09600	998.60000	1.49427	109.70000	.00000	-7.60500	.00000
1.401	-5.974	.00878	430.02200	2.00523	313.20000	997.40000	1.49382	109.60000	.00000	-5.61300	.00000
1.402	-4.000	.00718	429.21300	2.00191	312.02000	995.50000	1.49437	109.40000	.00000	-3.67700	.00000
1.401	-1.984	.00577	429.08100	2.00052	312.12000	995.20000	1.49419	109.60000	.00000	-1.70100	.00000
1.402	.030	.00453	429.08400	2.00037	311.92200	995.20000	1.49437	109.60000	.00000	.27400	.00000
1.401	1.978	.00410	429.33700	2.00320	312.41500	995.80000	1.49409	109.30000	.00000	2.18400	.00000
1.401	3.991	.00278	429.76500	2.00394	312.90500	996.80000	1.49392	109.60000	.00000	4.15800	.00000
1.400	6.016	.00275	429.93200	2.00494	313.29900	997.20000	1.49367	109.60000	.00000	6.14300	.00000
1.397	7.974	.00380	429.77700	2.00519	314.38900	996.90000	1.49255	109.60000	.00000	8.06200	.00000
	GRADIENT	-.00053	.06801	.00034	.10328	.16002	-.00005	.00523	.00000	.98050	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R007) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 268/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.451	-7.970	.00645	433.04000	1.99728	293.96500	1005.20000	1.51393	110.80000	.00000	-7.57100	.00000
1.449	-6.072	.00600	433.15300	1.99911	294.55800	1005.40000	1.51344	110.60000	.00000	-5.70900	.00000
1.449	-4.102	.00409	433.32400	1.99896	294.65500	1005.80000	1.51346	110.80000	.00000	-3.77700	.00000
1.451	-2.086	.00322	433.86000	2.00109	294.55100	1007.10000	1.51390	110.80000	.00000	-1.80100	.00000
1.451	-.021	.00159	433.77100	2.00065	294.45300	1006.90000	1.51394	110.80000	.00000	.22400	.00000
1.449	1.981	.00051	433.92700	2.00172	295.04600	1007.20000	1.51348	110.80000	.00000	2.18700	.00000
1.451	3.993	.00088	433.73000	2.00048	294.45300	1006.80000	1.51391	110.80000	.00000	4.16000	.00000
1.448	5.983	-.00124	433.56700	2.00045	295.34700	1006.30000	1.51296	110.80000	.00000	6.11100	.00000
1.451	7.997	-.00060	433.62600	1.99884	294.05800	1006.60000	1.51422	111.00000	.00000	8.08500	.00000
	GRADIENT	-.00045	.04342	.00018	.00448	.10374	.00002	.00000	.00000	.98054	.00000

RUN NO. 269/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-8.002	.00878	436.43600	2.00048	276.95000	1017.30000	1.53238	110.70000	.00000	-7.60300	.00000
1.500	-5.967	.00661	436.50000	2.00040	277.14800	1017.40000	1.53223	110.80000	.00000	-5.60600	.00000
1.500	-3.997	.00403	436.56500	2.00079	277.34600	1017.50000	1.53208	110.80000	.00000	-3.67400	.00000
1.500	-1.976	.00346	436.43600	1.99907	276.95000	1017.30000	1.53238	111.00000	.00000	-1.69300	.00000
1.499	-.020	.00345	436.00000	1.99837	277.25400	1016.10000	1.53182	110.80000	.00000	.22500	.00000
1.501	2.015	.00225	435.57300	1.99603	276.36400	1015.30000	1.53242	110.80000	.00000	2.22100	.00000
1.498	3.995	.00072	435.46200	1.99460	277.06100	1014.80000	1.53168	111.10000	.00000	4.16200	.00000
1.501	5.985	-.00069	434.99800	1.99285	275.87300	1014.00000	1.53254	110.90000	.00000	6.11300	.00000
1.499	8.005	-.00204	434.84800	1.99452	276.57200	1013.40000	1.53177	110.50000	.00000	8.09300	.00000
	GRADIENT	-.00039	-.15363	-.00077	-.05833	-.37029	-.00004	.02009	.00000	.98058	.00000

RUN NO. 270/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.552	-7.913	.00657	438.23800	1.99904	259.86600	1029.30000	1.55010	110.60000	.00000	-7.51700	.00000
1.550	-5.971	.00624	438.75900	2.00181	260.95900	1030.10001	1.54933	110.60000	.00000	-5.61100	.00000
1.551	-3.966	.00227	437.45100	1.99185	259.67900	1027.30000	1.54983	111.40000	.00000	-3.64600	.00000
1.549	-1.989	.00561	437.91600	1.99864	260.87200	1027.89999	1.54892	110.50000	.00000	-1.70700	.00000
1.548	-.009	.00464	438.86100	2.00542	261.65700	1030.00000	1.54871	110.00000	.00000	.23500	.00000
1.551	2.001	.00320	437.92200	2.00010	259.97100	1028.39999	1.54981	110.10000	.00000	2.20700	.00000
1.552	4.010	.00067	437.10800	1.99722	259.28400	1026.60001	1.55001	109.90000	.00000	4.17700	.00000
1.548	5.982	-.00095	436.95600	1.99665	260.38700	1025.60001	1.54884	110.00000	.00000	6.11100	-.01000
1.547	7.992	-.00053	436.62000	1.99532	260.59200	1024.60001	1.54844	110.00000	.00000	8.08100	-.01000
	GRADIENT	-.00028	-.03493	.00061	-.08597	-.04673	.00006	-.17011	.00000	.98076	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (I4R007) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 261/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-8.002	.00448	1.05683	.06936	.51966	.25425	.23471	-.45030	.01954	-.44636	.01949
.599	-5.993	.00346	1.08502	.12820	.46508	.27496	.26174	-.33688	.01322	-.33284	.01248
.598	-4.009	.00364	1.10050	.18593	.41046	.29046	.28336	-.22453	.00710	-.21975	.00665
.599	-2.035	.00246	1.10078	.24265	.35015	.29831	.29910	-.10749	-.00079	-.10311	.00011
.600	.017	.00101	1.10002	.30109	.29116	.29904	.30574	.00993	-.00670	.01340	-.00613
.599	1.979	.00043	1.09934	.35646	.23493	.29170	.30337	.12153	-.01167	.12557	-.01070
.599	4.001	-.00028	1.09194	.41409	.17670	.27798	.29162	.23739	-.01363	.24148	-.01310
.599	5.986	.00016	1.07446	.46893	.11982	.25828	.27492	.34911	-.01664	.35353	-.01588
.599	8.003	-.00052	1.04644	.52458	.06119	.23310	.25212	.46339	-.01902	.46807	-.01913
	GRADIENT	-.00049	-.00093	.02846	-.02909	-.00158	.00104	.05755	-.00261	.05746	-.00251

RUN NO. 273/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.799	-7.974	.00621	1.11874	.13255	.58176	.32162	.30281	-.44921	.01881	-.44937	.01422
.800	-5.956	.00520	1.13871	.19402	.52818	.34311	.33069	-.33417	.01242	-.33490	.00750
.799	-4.030	.00430	1.15206	.24904	.47655	.35579	.35045	-.22751	.00534	-.22707	.00163
.799	-1.996	.00338	1.15085	.30374	.41295	.36027	.35921	-.10921	.00107	-.10929	-.00212
.799	.029	.00232	1.16057	.36631	.35815	.36487	.36996	.00816	-.00508	.00698	-.00847
.799	1.994	.00163	1.15282	.41943	.29987	.35613	.36635	.11956	-.01022	.11880	-.01376
.799	3.993	.00100	1.14489	.47648	.24342	.34425	.35564	.23305	-.01139	.23231	-.01540
.799	5.998	.00021	1.13371	.53270	.18552	.32583	.34058	.34719	-.01475	.34676	-.01833
.799	8.011	-.00052	1.11233	.58711	.12677	.30384	.31985	.46034	-.01601	.46015	-.02034
	GRADIENT	-.00042	-.00061	.02848	-.02892	-.00135	.00089	.05740	-.00223	.05724	-.00228

RUN NO. 264/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-8.020	.00620	1.19338	.20715	.63989	.39044	.37153	-.43274	.01890	-.43067	.01537
.899	-5.966	.00489	1.21610	.26518	.58879	.40958	.39568	-.32362	.01391	-.32164	.00999
.900	-3.978	.00374	1.22366	.32016	.53440	.42102	.41364	-.21423	.00738	-.21193	.00376
.900	-1.996	.00275	1.22169	.37334	.47814	.42711	.42713	-.10480	-.00001	-.10202	-.00184
.899	.015	.00148	1.22284	.42984	.42235	.42915	.43282	.00749	-.00368	.00874	-.00627
.900	1.976	.00107	1.21492	.48245	.36713	.42133	.42987	.11533	-.00854	.11674	-.01122
.901	4.001	.00027	1.20806	.53716	.31045	.40951	.41991	.22671	-.01040	.22839	-.01309
.901	5.984	-.00054	1.19712	.59232	.25677	.39326	.40753	.33555	-.01427	.33703	-.01672
.900	7.991	-.00186	1.17599	.64463	.20160	.37252	.38818	.44303	-.01566	.44507	-.01850
	GRADIENT	-.00043	-.00190	.02725	-.02804	-.00145	.00076	.05529	-.00221	.05516	-.00216

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (14R007) (12 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 272/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	CPAT	DCPBT
1.103	-7.977	.00716	1.28568	.40984	.79787	.57460	.55834	-.38803	.01625	-.3876[illegible]	.01112
1.101	-5.970	.00613	1.31062	.4646[illegible]	.75784	.59450	.58523	-.29321	.00928	-.2922[illegible]	.00415
1.101	-4.001	.00480	1.32090	.51535	.71125	.60636	.60309	-.19590	.00327	-.19561	-.00004
1.101	-2.011	.00338	1.31906	.56086	.65684	.60935	.61037	-.09598	-.00102	-.09549	-.00449
1.102	.024	.00223	1.32151	.61188	.60669	.61198	.61582	.00519	-.00385	.00447	-.00781
1.101	1.970	.00139	1.31711	.65895	.55632	.60446	.61235	.10262	-.00789	.10199	-.01151
1.098	4.006	.00049	1.31378	.70873	.50684	.59399	.60385	.20189	-.00986	.20110	-.01356
1.100	5.998	-.00067	1.29609	.75238	.45373	.57736	.58689	.29864	-.00953	.29821	-.01377
1.099	7.986	-.00187	1.28270	.80391	.40637	.56109	.57440	.39753	-.01331	.39643	-.01731
	GRADIENT	-.00053	-.00081	.02425	-.02547	-.00148	.00018	.04972	-.00166	.04955	-.00170

RUN NO. 265/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.252	-8.020	.00704	1.38086	.47925	.86263	.64122	.62831	-.38337	.01290	-.38071	.00882
1.253	-5.978	.00646	1.40117	.53100	.81756	.65767	.64987	-.28656	.00780	-.28380	.00446
1.252	-3.966	.00572	1.41037	.58108	.76853	.66800	.66764	-.18744	.00035	-.18479	-.00200
1.249	-2.007	.00466	1.41305	.62968	.72035	.67461	.67743	-.09067	-.00282	-.08816	-.00526
1.251	.000	.00335	1.40935	.68006	.67325	.67788	.68465	.00681	-.00677	.00789	-.00929
1.252	1.978	.00233	1.40411	.72038	.61935	.66621	.67702	.10103	-.01080	.10230	-.01296
1.249	4.037	.00123	1.40634	.77404	.57249	.65957	.67138	.20155	-.01181	.20215	-.01429
1.248	6.001	.00026	1.39274	.82116	.52435	.64496	.65900	.29681	-.01404	.29679	-.01703
1.248	7.990	-.00054	1.37502	.87041	.47641	.62791	.64372	.39400	-.01581	.39490	-.01817
	GRADIENT	-.00057	-.00085	.02384	-.02466	-.00127	.00034	.04851	-.00161	.04824	-.00161

RUN NO. 271/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.402	-8.004	.00920	1.45265	.49687	.88941	.66458	.64535	-.39254	.01924	-.39188	.01516
1.401	-5.974	.00878	1.47115	.54861	.84365	.68043	.66820	-.29504	.01223	-.29399	.00781
1.402	-4.000	.00718	1.47752	.59533	.79049	.68803	.68163	-.19516	.00640	-.19416	.00252
1.401	-1.984	.00577	1.47690	.64538	.73474	.69334	.69077	-.08936	.00256	-.08910	-.00046
1.402	.030	.00453	1.47603	.69470	.68244	.69216	.69385	.01226	-.00169	.01175	-.00518
1.401	1.978	.00410	1.47367	.74425	.63469	.68774	.69144	.10957	-.00370	.10872	-.00685
1.401	3.991	.00278	1.47480	.79472	.58580	.67870	.68462	.20892	-.00591	.20811	-.00932
1.400	6.016	.00275	1.46759	.84462	.53723	.66553	.67088	.30739	-.00536	.30631	-.00882
1.397	7.974	.00380	1.45506	.89408	.49163	.65308	.65693	.40245	-.00385	.40101	-.00718
	GRADIENT	-.00053	-.00043	.02495	-.02555	-.00121	.00034	.05050	-.00155	.05026	-.00151

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (I4R007) (12 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 268/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.451	-7.970	.00645	1.47500	.50410	.89190	.67226	.64915	-.38781	.02311	-.38695	.01925
1.449	-6.072	.00600	1.49145	.54417	.84202	.68230	.66521	-.29786	.01708	-.29631	.01281
1.449	-4.102	.00409	1.49129	.59236	.79257	.69160	.67854	-.20020	.01306	-.19875	.00882
1.451	-2.086	.00322	1.48096	.63872	.73832	.69359	.68244	-.09961	.01115	-.09842	.00711
1.451	-.021	.00159	1.48806	.69020	.68728	.69656	.68794	.00292	.00862	.00297	.00433
1.449	1.981	.00051	1.49030	.73768	.63367	.68909	.68508	.10402	.00400	.10426	.00077
1.451	3.993	.00088	1.48862	.79086	.58452	.68203	.68075	.20633	.00128	.20629	-.00196
1.448	5.983	-.00124	1.47898	.83838	.53365	.66675	.66681	.30473	-.00006	.30426	-.00319
1.451	7.997	-.00060	1.46196	.88885	.49318	.65298	.65502	.39567	-.00204	.39542	-.00527
	GRADIENT	-.00045	.00020	.02448	-.02571	-.00116	.00035	.05019	-.00152	.05000	-.00138

RUN NO. 269/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.500	-8.002	.00878	1.49375	.50061	.89228	.67017	.64787	-.39167	.02230	-.39054	.01831
1.500	-5.967	.00661	1.50262	.54859	.84601	.68364	.66764	-.29742	.01600	-.29601	.01188
1.500	-3.997	.00403	1.50916	.59158	.79003	.69127	.67883	-.19845	.01243	-.19732	.00817
1.500	-1.976	.00346	1.51214	.64066	.73729	.69668	.68802	-.09663	.00866	-.09582	.00436
1.499	-.020	.00345	1.50793	.68803	.68437	.69413	.68943	.00367	.00470	.00351	.00115
1.501	2.015	.00225	1.50811	.73888	.63456	.68977	.68998	.10432	-.00021	.10423	-.00332
1.498	3.995	.00072	1.50850	.78544	.58530	.67876	.68387	.20014	-.00512	.19967	-.00844
1.501	5.985	-.00069	1.50160	.83873	.53653	.66762	.67115	.30221	-.00353	.30134	-.00664
1.499	8.005	-.00204	1.49216	.89397	.49059	.65591	.65827	.40338	-.00236	.40269	-.00563
	GRADIENT	-.00039	-.00027	.02433	-.02564	-.00160	.00060	.04997	-.00220	.04977	-.00205

RUN NO. 270/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.552	-7.913	.00657	1.52609	.49588	.89752	.66686	.64434	-.40164	.02252	-.40093	.01853
1.550	-5.971	.00624	1.53291	.54458	.84402	.67564	.66314	-.29944	.01249	-.29841	.00835
1.551	-3.966	.00227	1.53597	.59221	.79012	.68344	.67415	-.19791	.00929	-.19695	.00520
1.549	-1.989	.00561	1.53751	.63316	.73277	.68439	.67866	-.09961	.00573	-.09907	.00194
1.548	-.009	.00464	1.54285	.67542	.68073	.68658	.68056	-.00532	.00603	-.00461	.00199
1.551	2.001	.00320	1.53728	.73278	.63530	.68605	.68344	.09748	.00260	.09710	-.00052
1.552	4.010	.00067	1.53315	.79091	.58691	.67938	.67916	.20400	.00022	.20329	-.00313
1.548	5.982	-.00095	1.53094	.84279	.53681	.66637	.66592	.30598	.00045	.30506	-.00275
1.547	7.992	-.00053	1.52999	.89475	.49127	.65059	.65043	.40348	.00017	.40292	-.00302
	GRADIENT	-.00028	-.00030	.02493	-.02526	-.00033	.00074	.05019	-.00107	.04998	-.00096

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (J4R007) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 261/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-8.002	.00448	.29254	.24451	.26852	.05656	-.00367
.599	-5.993	.00348	.29462	.26871	.28167	.05638	-.00313
.598	-4.009	.00364	.29580	.28713	.29147	.05843	-.00308
.599	-2.035	.00246	.29421	.29825	.29623	.05819	-.00330
.600	.017	.00101	.29439	.30210	.29824	.05653	-.00278
.599	1.979	.00043	.29368	.29704	.29536	.05753	-.00167
.599	4.001	-.00028	.29335	.28454	.28894	.05683	-.00114
.599	5.986	.00016	.29216	.26622	.27919	.05646	-.00156
.599	8.003	-.00052	.29055	.24266	.26660	.05694	-.00164
	GRADIENT	-.00049	-.00027	-.00032	-.00030	-.00019	.00028

RUN NO. 273/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.799	-7.974	.00621	.35723	.31451	.33587	.05707	-.00330
.800	-5.956	.00520	.36147	.33936	.35041	.05602	-.00340
.799	-4.030	.00430	.36257	.35498	.35877	.05689	-.00226
.799	-1.996	.00338	.35839	.36133	.35986	.05800	-.00232
.799	.029	.00232	.36282	.36911	.36597	.05706	-.00340
.799	1.994	.00163	.36003	.36301	.36152	.05676	-.00154
.799	3.993	.00100	.36032	.35195	.35614	.05701	-.00097
.799	5.998	.00021	.35932	.33500	.34716	.05679	-.00141
.799	8.011	-.00052	.35704	.31401	.33553	.05610	-.00079
	GRADIENT	-.00042	-.00014	-.00021	-.00017	-.00005	.00017

RUN NO. 264/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-8.020	.00620	.42248	.38275	.40262	.05254	-.00248
.899	-5.966	.00489	.42600	.40459	.41530	.05417	-.00291
.900	-3.978	.00374	.42613	.41914	.42263	.05563	-.00315
.900	-1.996	.00275	.42434	.42803	.42619	.05523	-.00234
.899	.015	.00148	.42547	.43228	.42888	.05502	-.00255
.900	1.976	.00107	.42408	.42694	.42551	.05513	-.00165
.901	4.001	.00027	.42296	.41605	.41951	.05509	-.00126
.901	5.984	-.00054	.42380	.40162	.41271	.05430	-.00159
.900	7.991	-.00186	.42210	.38177	.40193	.05359	-.00053
	GRADIENT	-.00043	-.00033	-.00037	-.00035	-.00006	.00022

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (J4R007) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 272/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.103	-7.977	.00716	.60366	.56904	.58635	.04721	-.00386
1.101	-5.970	.00617	.61078	.59243	.60161	.04813	-.00271
1.101	-4.001	.00480	.61316	.60638	.60977	.05010	-.00211
1.101	-2.011	.00338	.60860	.61159	.61010	.04964	-.00194
1.102	.024	.00223	.60865	.61588	.61276	.04963	-.00175
1.101	1.970	.00139	.60795	.61021	.60908	.04960	-.00170
1.098	4.006	.00049	.60818	.60077	.60448	.04839	-.00021
1.100	5.998	-.00067	.60327	.58424	.59376	.04915	-.00080
1.099	7.986	-.00187	.60569	.56974	.58772	.04954	-.00227
	GRADIENT	-.00053	-.00053	-.00063	-.00058	-.00017	.00020

RUN NO. 265/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.252	-8.020	.00704	.66961	.63681	.65321	.04701	-.00172
1.253	-5.978	.00646	.67290	.65544	.66417	.04834	-.00295
1.252	-3.966	.00572	.67348	.66900	.67124	.04966	-.00252
1.249	-2.007	.00466	.67376	.67724	.67550	.04859	-.00156
1.251	.000	.00335	.67611	.68253	.67932	.04750	-.00224
1.252	1.978	.00233	.66923	.67269	.67096	.04823	-.00108
1.249	4.037	.00123	.67296	.66672	.66984	.04827	-.00098
1.248	6.001	.00026	.67276	.65347	.66312	.04863	-.00116
1.248	7.990	-.00054	.67296	.63699	.65498	.04967	-.00028
	GRADIENT	-.00057	-.00028	-.00047	-.00037	-.00016	.00018

RUN NO. 271/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.402	-8.004	.00920	.69281	.65700	.67490	.04771	-.00377
1.401	-5.974	.00878	.69560	.67653	.68606	.04919	-.00333
1.402	-4.000	.00718	.69241	.68677	.68959	.05190	-.00179
1.401	-1.984	.00577	.68993	.69357	.69175	.05126	-.00201
1.402	.030	.00453	.68882	.69475	.69179	.04964	-.00164
1.401	1.978	.00410	.68990	.69116	.69053	.04973	-.00097
1.401	3.991	.00278	.69067	.68336	.68702	.04890	-.00069
1.400	6.016	.00275	.69147	.66994	.68070	.04833	.00077
1.397	7.974	.00380	.69357	.65666	.67512	.04837	.00088
	GRADIENT	-.00053	-.00018	-.00046	-.00032	-.00038	.00016

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (J4R007) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 268/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.451	-7.970	.00645	.69752	.66263	.68008	.04725	-.00367
1.449	-6.072	.00600	.69232	.67589	.68411	.04858	-.00285
1.449	-4.102	.00409	.69174	.68719	.68946	.05003	-.00122
1.451	-2.086	.00322	.68793	.69003	.68898	.04923	-.00091
1.451	-.021	.00159	.68872	.69440	.69156	.04973	-.00169
1.449	1.981	.00051	.68555	.68870	.68712	.05094	-.00171
1.451	3.993	.00088	.68771	.68301	.68536	.05042	-.00087
1.448	5.983	-.00124	.68624	.66835	.67730	.04719	-.00072
1.451	7.997	-.00060	.69114	.65562	.67338	.04428	-.00118
	GRADIENT	-.00045	-.00051	-.00047	-.00049	.00012	-.00001

RUN NO. 269/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.500	-8.002	.00878	.69588	.66101	.67845	.04547	-.00351
1.500	-5.967	.00661	.69660	.67770	.68715	.04844	-.00246
1.500	-3.997	.00403	.69024	.68718	.68871	.05052	-.00177
1.500	-1.976	.00346	.68857	.69450	.69154	.05051	-.00178
1.499	-.020	.00345	.68628	.69355	.68991	.05052	-.00169
1.501	2.015	.00225	.68676	.69143	.68909	.04823	-.00296
1.498	3.995	.00072	.68561	.68298	.68429	.04964	-.00083
1.501	5.985	-.00069	.68806	.67094	.67950	.05111	.00123
1.499	8.005	-.00204	.69263	.65873	.67568	.04970	.00013
	GRADIENT	-.00039	-.00055	-.00057	-.00056	-.00020	.00003

RUN NO. 270/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.552	-7.913	.00657	.69634	.65760	.67697	.05332	-.00625
1.550	-5.971	.00624	.69379	.67146	.68263	.05171	-.00322
1.551	-3.966	.00227	.69069	.68084	.68576	.05010	-.00142
1.549	-1.989	.00561	.68270	.68342	.68306	.04824	-.00079
1.548	-.009	.00464	.67772	.68559	.68165	.04859	-.00028
1.551	2.001	.00320	.68423	.68631	.68527	.05224	-.00172
1.552	4.010	.00067	.68926	.68094	.68510	.05278	-.00045
1.548	5.982	-.00095	.69026	.66775	.67900	.05003	.00024
1.547	7.992	-.00053	.69329	.65211	.67270	.04802	-.00032
	GRADIENT	-.00028	-.00006	.00015	.00005	.00047	.00005

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R008) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 85/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.401	-7.992	.01402	84.77920	1.00926	753.66000	841.90000	1.04081	77.40000	180.00000	8.25600	179.93000
.401	-6.056	.02182	84.68550	1.00824	753.76200	841.90000	1.04076	77.60000	180.00000	6.32300	179.83000
.401	-4.040	.01606	84.78080	1.00850	753.95900	842.20000	1.04079	77.80000	180.00000	4.31000	179.83000
.399	-2.030	.01032	84.12340	1.00429	754.37300	841.90000	1.04042	77.90000	180.00000	2.30400	179.83000
.399	-.023	.00357	84.12400	1.00364	754.47200	842.00000	1.04044	78.20000	180.00000	.30000	179.83000
.400	1.951	-.00252	84.40680	1.00521	754.46700	842.30000	1.04058	78.30000	180.00000	-1.66800	179.83000
.399	3.940	-.00864	84.21930	1.00389	754.67000	842.30000	1.04047	78.40000	180.00000	-3.64900	179.83000
.400	5.936	-.01483	84.40730	1.00456	754.56600	842.40000	1.04060	78.60000	180.00000	-5.63700	179.83000
.400	7.939	-.02078	84.59630	1.00560	754.66200	842.70000	1.04066	78.70000	180.00000	-7.63300	179.83000
	GRADIENT	-.00312	-.04233	-.00042	.07613	.02995	-.00002	.08028	.00000	-.99751	.00000

RUN NO. 88/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-8.046	.05924	320.47100	2.47903	1272.05000	1622.39993	1.09323	110.50000	180.00000	8.10900	179.76000
.600	-6.055	.03524	320.13300	2.47767	1272.25000	1622.20000	1.09314	110.50000	180.00000	6.12800	179.88000
.601	-4.062	.02771	321.57500	2.48424	1271.62000	1623.30000	1.09362	110.40000	180.00000	4.14500	179.88000
.600	-2.037	.02054	320.79300	2.48031	1271.14000	1621.89999	1.09342	110.40000	180.00000	2.13300	179.88000
.600	-.068	.01289	320.53100	2.47952	1270.95000	1621.39999	1.09331	110.30000	180.00000	.18100	179.88000
.600	1.961	.00208	319.95000	2.47700	1271.75999	1621.50000	1.09308	110.40000	180.00000	-1.81600	179.88000
.599	3.960	-.00445	319.16700	2.47251	1271.28000	1620.10001	1.09291	110.50000	180.00000	-3.77200	179.88000
.600	5.937	-.01035	319.75600	2.47531	1270.77000	1620.30000	1.09308	110.40000	180.00000	-5.70300	179.88000
.600	7.924	-.01562	320.01700	2.47555	1270.96001	1620.80000	1.09319	110.60000	180.00000	-7.64500	179.88000
	GRADIENT	-.00413	-.28247	-.00134	-.00286	-.33929	-.00009	.01003	-.00000	-.98706	.00000

RUN NO. 97/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.799	-7.932	.01767	322.23400	1.99943	720.23400	1097.30000	1.17016	109.70000	180.00000	8.10300	179.87000
.801	-6.039	.01358	323.12900	2.00171	718.91700	1097.30000	1.17100	109.70000	180.00000	6.23300	179.87000
.801	-4.025	.00884	323.19200	2.00131	718.71600	1097.20000	1.17108	109.80000	180.00000	4.24400	179.87000
.802	-2.020	.00403	323.64200	2.00265	718.70600	1097.80000	1.17134	109.90000	180.00000	2.26400	179.87000
.802	-.070	-.00121	324.14200	2.00588	719.49400	1099.20000	1.17142	109.80000	180.00000	.33800	179.87000
.801	1.941	-.00773	324.06700	2.00631	720.69400	1100.20000	1.17107	109.90000	180.00000	-1.64500	179.87000
.800	3.924	-.01365	323.41700	2.00457	721.10700	1099.70000	1.17060	109.80000	180.00000	-3.60100	179.87000
.800	5.955	-.01946	322.91600	2.00252	721.51700	1099.39999	1.17022	109.90000	180.00000	-5.60300	179.87000
.798	7.921	-.02559	322.18900	2.00002	721.93200	1098.80000	1.16971	109.90000	180.00000	-7.54100	179.87000
	GRADIENT	-.00286	.04388	.00051	.34089	.37237	-.00006	.00005	.00000	-.98692	-.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R008) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 99/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	P$	PT	QC/Q	TTF	PHI	THETAI	PHII
.901	-8.053	.02374	349.54400	1.99741	615.14600	1041.50000	1.21974	110.40000	180.00000	8.22000	179.79000
.899	-6.015	.01597	348.62400	1.99475	616.46200	1041.30000	1.21861	110.50000	180.00000	6.21400	179.79000
.899	-4.051	.00263	348.54800	1.99453	615.66500	1040.50000	1.21887	110.30000	180.00000	4.28100	179.89000
.901	-2.074	-.00151	349.50600	1.99775	614.74800	1041.10001	1.21987	110.20000	180.00000	2.33300	179.89000
.901	-.063	-.00563	349.73400	1.99838	614.94200	1041.60001	1.21995	110.30000	180.00000	.35200	179.89000
.897	1.976	-.01092	348.68100	1.99804	618.55700	1043.20000	1.21786	110.30000	180.00000	-1.65600	179.89000
.903	3.907	-.01514	350.41200	2.00007	614.03100	1041.80000	1.22076	110.30000	180.00000	-3.55700	179.89000
.899	5.922	-.02096	348.66100	1.99531	616.86000	1041.70000	1.21849	110.50000	180.00000	-5.54200	179.89000
.900	7.924	-.02586	350.64000	2.00346	618.61600	1046.10001	1.21915	110.80000	180.00000	-7.51300	179.89000
	GRADIENT	-.00225	.14390	.00057	.03146	.23700	.00009	.00505	.00000	-.98495	.00000

RUN NO. 100/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.103	-7.851	.01364	372.50800	1.90040	437.54300	937.50000	1.33921	109.70000	180.00000	7.99700	179.86000
1.100	-6.017	.00703	372.32400	1.90192	439.63400	938.60000	1.33743	109.70000	180.00000	6.21200	179.87000
1.101	-3.975	.00209	372.71500	1.90331	439.52900	939.20000	1.33786	109.70000	180.00000	4.22400	179.87000
1.098	-2.041	-.00266	372.35500	1.90352	441.02500	939.60000	1.33640	109.70000	180.00000	2.33200	179.87000
1.098	-.045	-.00745	372.08100	1.90301	441.12900	939.20000	1.33606	109.60000	180.00000	.37600	179.87000
1.100	1.960	-.01235	372.36200	1.90228	439.83200	938.80000	1.33732	109.70000	180.00000	-1.59000	179.87000
1.102	3.925	-.01822	372.62100	1.90254	438.73500	938.50000	1.33839	109.60000	180.00000	-3.51900	179.87000
1.099	5.952	-.02456	371.58200	1.89961	439.74400	937.40000	1.33667	109.60000	180.00000	-5.50900	179.87000
1.100	7.987	-.03311	373.58600	1.90836	440.70900	941.50000	1.33775	109.60000	180.00000	-7.51000	179.87000
	GRADIENT	-.00254	-.00888	-.00014	-.14170	-.11152	.00010	-.01008	.00000	-.98014	-.00000

RUN NO. 103/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.251	-7.931	.01436	404.20500	1.94725	368.71300	956.90000	1.42406	110.80000	180.00000	8.07100	179.81000
1.251	-6.024	.00736	405.43300	1.95361	370.28500	960.00000	1.42367	110.80000	180.00000	6.21300	179.81000
1.250	-4.053	.00153	405.39700	1.95341	370.68100	960.10000	1.42329	110.90000	180.00000	4.29000	179.81000
1.250	-2.055	-.00529	404.13400	1.94775	369.50600	957.10000	1.42331	110.80000	180.00000	2.33700	179.81000
1.251	-.032	-.01276	403.30600	1.94389	368.42500	955.00000	1.42359	110.70000	180.00000	.35600	179.81000
1.249	1.947	-.02020	403.08200	1.94334	369.21900	954.90000	1.42271	110.80000	180.00000	-1.58300	179.81000
1.248	3.937	-.02871	403.56800	1.94737	370.00600	956.20000	1.42241	110.50000	180.00000	-3.53500	179.81000
1.251	5.924	-.03704	404.61300	1.95087	369.40200	958.00000	1.42378	110.50000	180.00000	-5.48300	179.81000
1.249	7.913	-.04488	404.62000	1.95088	370.29300	958.40000	1.42301	110.70000	180.00000	-7.43300	179.81000
	GRADIENT	-.00377	-.23616	-.00083	-.08270	-.50168	-.00012	-.04004	.00000	-.97940	.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R008) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 109/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-7.946	-.01060	429.79900	2.00028	313.40000	996.90000	1.49348	110.50000	180.00000	8.09100	179.89000
1.400	-6.051	-.01375	429.80500	2.00007	313.10300	996.90000	1.49376	110.50000	180.00000	6.24800	179.89000
1.400	-4.073	-.01759	429.79900	2.00028	313.40000	996.90000	1.49348	110.50000	180.00000	4.32000	179.90000
1.399	-2.074	-.02052	429.70500	2.00014	313.69700	996.70000	1.49314	110.50000	180.00000	2.36900	179.90000
1.401	-.079	-.02633	429.72300	1.99903	312.80700	996.70000	1.49398	110.60000	180.00000	.41700	179.90000
1.401	1.925	-.03178	429.63800	1.99907	312.70800	996.50000	1.49402	110.50000	180.00000	-1.54500	179.90000
1.400	3.922	-.03590	429.63200	1.99929	313.00500	996.50000	1.49373	110.50000	180.00000	-3.50200	179.90000
1.397	5.952	-.04232	429.26000	1.99951	313.09800	995.70000	1.49256	110.30000	180.00000	-5.49100	179.90000
1.402	7.935	-.04598	429.60300	1.99900	312.21400	996.40000	1.49445	110.40000	180.00000	-7.43400	179.90000
	GRADIENT	-.00239	-.02007	-.00015	-.08899	-.05004	.00007	-.00001	.00000	-.97849	.00000

RUN NO. 110/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.449	-7.896	-.00239	434.54400	2.00898	295.73300	1008.60000	1.51323	109.90000	180.00000	8.04600	179.85000
1.452	-6.081	-.00631	431.46700	1.99439	292.49400	1001.60000	1.51432	109.80000	180.00000	6.28200	179.85000
1.450	-4.042	-.01078	432.66100	2.00125	293.86900	1004.30000	1.51378	109.60000	180.00000	4.29400	179.85000
1.450	-2.037	-.01659	433.04500	2.00205	294.06300	1005.20000	1.51384	109.80000	180.00000	2.33600	179.85000
1.450	-.067	-.02248	433.17500	2.00312	294.16100	1005.50000	1.51383	109.70000	180.00000	.40900	179.85000
1.449	1.915	-.03232	433.15300	2.00238	294.55800	1005.40000	1.51344	109.90000	180.00000	-1.53200	179.85000
1.449	3.969	-.03766	432.99700	2.00188	294.75800	1005.00000	1.51315	109.90000	180.00000	-3.54400	179.85000
1.450	5.916	-.04360	433.05000	2.00120	294.16300	1005.20000	1.51375	110.00000	180.00000	-5.45100	179.85000
1.449	7.929	-.05047	433.03300	2.00196	294.65800	1005.10000	1.51327	109.90000	180.00000	-7.42300	179.86000
	GRADIENT	-.00348	.03884	.00008	.11383	.07959	-.00008	.03505	-.00000	-.97849	-.00000

RUN NO. 113/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-7.961	-.03664	436.17300	2.00178	277.05200	1016.60000	1.53212	110.20000	180.00000	8.11100	179.96000
1.501	-6.077	-.02072	435.62700	1.99941	276.16400	1015.50000	1.53264	110.10000	180.00000	6.27500	179.81000
1.501	-4.039	-.02605	435.27400	1.99728	275.87000	1014.70000	1.53271	110.20000	180.00000	4.28600	179.81000
1.500	-2.042	-.03195	434.91700	1.99597	276.17300	1013.70000	1.53220	110.20000	180.00000	2.33400	179.81000
1.500	-.043	-.03748	434.76200	1.99467	275.87600	1013.40000	1.53239	110.30000	180.00000	.37800	179.81000
1.501	1.932	-.04252	434.82800	1.99395	275.77600	1013.60000	1.53253	110.50000	180.00000	-1.55600	179.81000
1.500	3.961	-.05108	434.90500	1.99492	276.07300	1013.70000	1.53229	110.40000	180.00000	-3.54300	179.81000
1.499	5.903	-.05670	435.05800	1.99593	276.66800	1013.90000	1.53180	110.40000	180.00000	-5.44400	179.81000
1.500	7.949	-.06976	434.96900	1.99625	276.27200	1013.80000	1.53214	110.20000	180.00000	-7.44700	179.81000
	GRADIENT	-.00304	-.04136	-.00034	.00057	-.10506	-.00003	.03497	.00000	-.97861	.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R008) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 114/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-7.914	-.00402	438.51400	2.00025	260.86300	1029.50000	1.54928	110.70000	180.00000	8.06900	179.82000
1.551	-6.045	-.02090	438.62100	2.00050	260.46100	1030.00000	1.54973	110.70000	180.00000	6.24800	179.82000
1.551	-4.092	-.01438	438.09200	1.99899	260.06900	1028.80000	1.54982	110.50000	180.00000	4.34200	179.83000
1.552	-2.063	-.02549	437.29800	1.99531	259.48100	1027.00000	1.54993	110.50000	180.00000	2.35700	179.83000
1.550	-.039	-.03745	437.08000	1.99458	259.88500	1026.20000	1.54940	110.50000	180.00000	.37500	179.83000
1.550	1.940	-.03466	437.19500	1.99376	260.08300	1026.39999	1.54928	110.80000	180.00000	-1.56300	179.83000
1.549	3.937	-.03704	436.97100	1.99281	260.08600	1025.80000	1.54915	110.80000	180.00000	-3.51900	179.83000
1.548	5.940	-.05537	437.25900	1.99439	260.78200	1026.20000	1.54863	110.80000	180.00000	-5.48000	179.83000
1.550	7.919	-.07424	437.47700	1.99454	260.17800	1027.10001	1.54935	110.90000	180.00000	-7.41800	179.83000
	GRADIENT	-.00272	-.11724	-.00069	.03148	-.32981	-.00010	.04475	.00000	-.97908	-.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (I4R008) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 85/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.401	-7.992	.01402	1.00623	.05977	.49990	.24085	.23797	-.44013	.00260	-.42471	.01165
.401	-6.056	.02182	1.03535	.11484	.44999	.26411	.25869	-.33515	.00542	-.32200	.01206
.401	-4.040	.01606	1.04766	.17247	.39360	.28057	.27753	-.22112	.00304	-.20822	.01044
.399	-2.030	.01032	1.05380	.22912	.33713	.29193	.28959	-.10801	.00234	-.09416	.00955
.399	-.023	.00357	1.05625	.28656	.28220	.29254	.29621	.00436	-.00367	.01173	.00330
.400	1.951	-.00252	1.05053	.33734	.22542	.28778	.29145	.11192	-.00367	.12157	.00328
.399	3.940	-.00864	1.04756	.39397	.17019	.27524	.28274	.22378	-.00750	.23275	-.00060
.400	5.936	-.01483	1.03046	.44840	.11549	.25463	.26860	.33290	-.01396	.33938	-.00634
.400	7.939	-.02078	.99884	.50149	.05914	.22671	.24941	.44236	-.02270	.44902	-.00782
	GRADIENT	-.00312	-.00017	.02765	-.02801	-.00073	.00062	.05566	-.00136	.05505	-.00142

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (14R008) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 88/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.600	-8.046	.05924	1.05171	.06932	.52218	.25160	.24549	-.45286	.00611	-.45270	.00788
.600	-6.055	.03524	1.07943	.12863	.46912	.27375	.27206	-.34045	.00169	-.33947	.00370
.601	-4.062	.02771	1.08745	.18444	.41183	.28817	.29009	-.22738	-.00192	-.22656	-.00031
.600	-2.037	.02054	1.09418	.24335	.35148	.29940	.30215	-.10814	-.00275	-.10751	-.00115
.600	-.068	.01289	1.09485	.29957	.29420	.30055	.30831	.00538	-.00777	.00522	-.00481
.600	1.961	.00208	1.09326	.35630	.23556	.29403	.30701	.12074	-.01298	.12087	-.01035
.599	3.960	-.00445	1.08935	.41329	.17972	.28050	.29559	.23357	-.01509	.23395	-.01255
.600	5.937	-.01035	1.07158	.46660	.12275	.26039	.28028	.34385	-.01989	.34412	-.01731
.600	7.924	-.01562	1.04388	.52029	.06512	.23548	.26037	.45517	-.02489	.45574	-.02284
	GRADIENT	-.00413	.00014	.02847	-.02895	-.00103	.00079	.05742	-.00182	.05735	-.00168

RUN NO. 97/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.799	-7.932	.01767	1.13668	.14200	.58874	.32303	.31851	-.44674	.00454	-.44395	.00649
.801	-6.039	.01358	1.15723	.19747	.53835	.34223	.34153	-.34088	.00070	-.33799	.00237
.801	-4.025	.00884	1.16756	.25557	.48300	.35881	.35919	-.22743	-.00038	-.22442	.00185
.802	-2.020	.00403	1.17065	.31372	.42323	.36565	.37059	-.10951	-.00494	-.10579	-.00202
.802	-.070	-.00121	1.17102	.36832	.36711	.36703	.37649	.00121	-.00945	.00275	-.00566
.801	1.941	-.00773	1.16934	.42614	.30911	.36164	.37402	.11703	-.01238	.11922	-.00902
.800	3.924	-.01365	1.16346	.47996	.25203	.34824	.36528	.22793	-.01704	.23038	-.01345
.800	5.955	-.01946	1.14978	.53593	.19267	.33103	.35041	.34326	-.01938	.34582	-.01664
.798	7.921	-.02559	1.12469	.58746	.13501	.30542	.33175	.45245	-.02633	.45457	-.02303
	GRADIENT	-.00286	-.00048	.02826	-.02901	-.00127	.00078	.05727	-.00205	.05714	-.00189

RUN NO. 99/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.901	-8.053	.02374	1.18736	.21270	.64796	.39104	.38391	-.43526	.00712	-.43196	.00829
.899	-6.015	.01597	1.20693	.26781	.59557	.40657	.40542	-.32775	.00115	-.32397	.00311
.899	-4.051	.00263	1.21479	.32122	.54213	.42215	.42169	-.22091	.00046	-.21619	.00231
.901	-2.074	-.00151	1.21892	.37638	.48767	.42907	.43366	-.11129	-.00459	-.10676	-.00199
.901	-.063	-.00563	1.21976	.43172	.43206	.43123	.43894	-.00033	-.00771	.00288	-.00470
.897	1.976	-.01092	1.21091	.48133	.36946	.41951	.43153	.11186	-.01203	.11573	-.00905
.903	3.907	-.01514	1.21221	.53862	.32269	.41603	.42803	.21593	-.01257	.21996	-.00962
.899	5.922	-.02096	1.19884	.58979	.26474	.39575	.41333	.32506	-.01758	.32931	-.01483
.900	7.924	-.02586	1.16825	.63516	.20395	.36855	.39117	.43121	-.02262	.43540	-.02012
	GRADIENT	-.00225	-.00066	.02703	-.02791	-.00109	.00059	.05494	-.00168	.05484	-.00155

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (I4R008) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 100/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.103	-7.851	.01364	1.31160	.42210	.80371	.57782	.57371	-.38161	.00411	-.37657	.00481
1.100	-6.017	.00703	1.32245	.46314	.75821	.58691	.58640	-.29507	.00051	-.28960	.00223
1.101	-3.975	.00209	1.33039	.51318	.70874	.60137	.60088	-.19556	.00049	-.19025	.00203
1.098	-2.041	-.00266	1.33491	.56167	.66170	.60777	.61233	-.10003	-.00456	-.09389	-.00207
1.098	-.045	-.00745	1.33554	.61000	.61117	.60918	.61701	-.00116	-.00783	.00337	-.00450
1.100	1.960	-.01235	1.33384	.65938	.56246	.60497	.61534	.09692	-.01037	.10308	-.00737
1.102	3.925	-.01822	1.32681	.70565	.51225	.59349	.60525	.19340	-.01176	.19902	-.00874
1.099	5.952	-.02456	1.31707	.75363	.46111	.57843	.59396	.29252	-.01554	.29825	-.01313
1.100	7.987	-.03311	1.29490	.79378	.41031	.55778	.57799	.38947	-.02021	.39531	-.01808
	GRADIENT	-.00254	-.00042	.02437	-.02486	-.00094	.00059	.04923	-.00153	.04927	-.00136

RUN NO. 103/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.251	-7.931	.01436	1.39387	.48696	.86876	.64147	.63594	-.38179	.00552	-.37572	.00628
1.251	-6.024	.00736	1.40934	.53341	.82440	.65574	.65264	-.29099	.00309	-.28543	.00385
1.250	-4.053	.00153	1.41975	.58169	.77612	.66813	.66707	-.19443	.00106	-.18789	.00247
1.250	-2.055	-.00529	1.41944	.62757	.72584	.67398	.67640	-.09827	-.00242	-.09101	-.00071
1.251	-.032	-.01276	1.41698	.67482	.67673	.67531	.68005	-.00191	-.00473	.00411	-.00211
1.249	1.947	-.02020	1.41779	.72242	.62927	.67098	.67974	.09315	-.00876	.09920	-.00596
1.248	3.937	-.02871	1.41298	.76846	.58036	.66076	.67174	.18811	-.01098	.19421	-.00874
1.251	5.924	-.03704	1.40248	.81569	.53260	.64734	.66072	.28308	-.01337	.28997	-.01102
1.249	7.913	-.04488	1.38095	.86169	.48321	.62839	.64644	.37848	-.01805	.38474	-.01566
	GRADIENT	-.00377	-.00076	.02344	-.02443	-.00088	.00064	.04787	-.00152	.04776	-.00138

RUN NO. 109/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.400	-7.946	-.01060	1.47944	.50395	.89584	.65296	.66530	-.39189	-.01234	-.38277	-.00911
1.400	-6.051	-.01375	1.49027	.54936	.85190	.66877	.67864	-.30253	-.00988	-.29239	-.00657
1.400	-4.073	-.01759	1.49148	.59740	.80205	.67957	.69164	-.20465	-.01207	-.19464	-.00908
1.399	-2.074	-.02052	1.48858	.64532	.75054	.68632	.70027	-.10521	-.01395	-.09460	-.01087
1.401	-.079	-.02633	1.49055	.69354	.70049	.68939	.70398	-.00695	-.01460	.00231	-.01112
1.401	1.925	-.03178	1.49113	.74533	.65148	.68700	.70412	.09386	-.01712	.10343	-.01414
1.400	3.922	-.03590	1.48999	.79665	.60246	.67874	.69915	.19418	-.02040	.20367	-.01733
1.397	5.952	-.04232	1.47659	.84797	.55369	.66458	.68913	.29427	-.02454	.30437	-.02161
1.402	7.935	-.04598	1.46333	.89564	.50600	.64830	.67413	.38964	-.02583	.39949	-.02265
	GRADIENT	-.00239	-.00002	.02494	-.02493	-.00005	.00094	.04987	-.00099	.04976	-.00099

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (I4R008) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 110/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.449	-7.896	-.00239	1.48883	.50969	.89224	.65430	.66555	-.38254	-.01125	-.37246	-.00816
1.452	-6.081	-.00631	1.50105	.54644	.84841	.66622	.67886	-.30197	-.01264	-.29113	-.00925
1.450	-4.042	-.01078	1.50631	.59498	.79636	.67564	.69107	-.20137	-.01543	-.19048	-.01235
1.450	-2.037	-.01659	1.50848	.64537	.74412	.68172	.69916	-.09876	-.01744	-.08741	-.01425
1.450	-.067	-.02248	1.50366	.69510	.69479	.68306	.70455	.00030	-.02149	.00993	-.01801
1.449	1.915	-.03232	1.49734	.74518	.64789	.68025	.70441	.09729	-.02416	.10724	-.02106
1.449	3.969	-.03766	1.50429	.79743	.59960	.67359	.70027	.19783	-.02668	.20775	-.02334
1.450	5.916	-.04360	1.50089	.84484	.55256	.66160	.68944	.29229	-.02784	.30272	-.02431
1.449	7.929	-.05047	1.48230	.89662	.50829	.64783	.67845	.38833	-.03062	.39875	-.02701
	GRADIENT	-.00348	-.00075	.02527	-.02452	-.00028	.00118	.04979	-.00146	.04962	-.00144

RUN NO. 113/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.500	-7.961	-.03664	1.51713	.50799	.90082	.65654	.66863	-.39283	-.01209	-.38148	-.00783
1.501	-6.077	-.02072	1.52248	.55049	.84973	.67035	.67946	-.29924	-.00912	-.28728	-.00495
1.501	-4.039	-.02605	1.52747	.59858	.79434	.67952	.69115	-.19575	-.01163	-.18356	-.00712
1.500	-2.042	-.03195	1.52553	.64592	.74391	.68552	.70064	-.09798	-.01512	-.08557	-.01064
1.500	-.043	-.03748	1.52403	.69600	.69559	.68528	.70506	.00041	-.01978	.01160	-.01537
1.501	1.932	-.04252	1.52612	.74658	.64560	.68233	.70570	.10098	-.02337	.11265	-.01904
1.500	3.961	-.05108	1.52441	.79952	.59754	.67464	.70214	.20198	-.02751	.21338	-.02350
1.499	5.903	-.05670	1.51460	.85098	.55456	.66257	.69131	.29642	-.02874	.30802	-.02442
1.500	7.949	-.06976	1.50040	.90133	.50864	.64765	.67926	.39269	-.03161	.40408	-.02768
	GRADIENT	-.00304	-.00028	.02516	-.02462	-.00065	.00135	.04978	-.00200	.04967	-.00206

RUN NO. 114/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.550	-7.914	-.00402	1.55160	.51273	.90467	.65454	.66660	-.39195	-.01206	-.37971	-.00789
1.551	-6.045	-.02090	1.55295	.55433	.85499	.66566	.68202	-.30066	-.01636	-.28818	-.01222
1.551	-4.092	-.01438	1.55106	.59960	.79923	.67339	.69141	-.19963	-.01803	-.18698	-.01376
1.552	-2.063	-.02549	1.55558	.64726	.74103	.67835	.69782	-.09377	-.01947	-.08115	-.01494
1.550	-.039	-.03745	1.56068	.69645	.68759	.68163	.70140	.00887	-.01977	.02056	-.01517
1.550	1.940	-.03466	1.55739	.74882	.64185	.67863	.69928	.10697	-.02065	.11934	-.01617
1.549	3.937	-.03704	1.55211	.80130	.59922	.67142	.69537	.20208	-.02395	.21387	-.01960
1.548	5.940	-.05537	1.54821	.85463	.55329	.66179	.68789	.30134	-.02610	.31361	-.02185
1.550	7.919	-.07424	1.54312	.90601	.49927	.64427	.67369	.40673	-.02942	.41843	-.02517
	GRADIENT	-.00272	.00020	.02517	-.02489	-.00018	.00047	.05006	-.00065	.04996	-.00064

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (J4R008) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 85/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.401	-7.992	.01402	.27213	.23503	.25358	.05228	.00057
.401	-6.056	.02182	.27585	.25808	.26696	.05460	-.00051
.401	-4.040	.01606	.27658	.27535	.27596	.05765	-.00026
.399	-2.030	.01032	.27620	.28715	.28168	.05434	-.00217
.399	-.023	.00357	.28069	.29089	.28579	.05357	-.00172
.400	1.951	-.00252	.27656	.28614	.28135	.05666	-.00027
.399	3.940	-.00864	.27760	.27554	.27657	.05441	-.00307
.400	5.936	-.01483	.27870	.25780	.26825	.05369	-.00191
.400	7.939	-.02078	.27698	.23062	.25380	.05522	-.00015
	GRADIENT	-.00312	.00012	-.00002	.00005	-.00021	-.00019

RUN NO. 88/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.600	-8.046	.05924	.29567	.24766	.27167	.05709	-.00199
.600	-6.055	.03524	.29842	.27190	.28516	.05638	-.00232
.601	-4.062	.02771	.29772	.28833	.29303	.05790	-.00106
.600	-2.037	.02054	.29710	.29998	.29854	.05834	-.00075
.600	-.068	.01289	.29696	.30295	.29996	.05686	-.00280
.600	1.961	.00208	.29587	.29920	.29753	.05695	-.00180
.599	3.960	-.00445	.29632	.28677	.29154	.05602	-.00148
.600	5.957	-.01035	.29453	.26905	.28179	.05583	-.00283
.600	7.924	-.01562	.29242	.24690	.26966	.05634	-.00276
	GRADIENT	-.00413	-.00020	-.00019	-.00020	-.00026	-.00009

RUN NO. 97/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.799	-7.932	.01767	.36397	.31980	.34189	.05613	-.00279
.801	-6.039	.01358	.36646	.34105	.35375	.05563	-.00095
.801	-4.025	.00884	.36778	.35788	.36283	.05844	-.00085
.802	-2.020	.00403	.36662	.36666	.36664	.05735	-.00224
.802	-.070	-.00121	.36694	.36986	.36840	.05650	-.00157
.801	1.941	-.00773	.36653	.36615	.36634	.05730	-.00209
.800	3.924	-.01365	.36477	.35987	.35987	.05623	-.00177
.800	5.955	-.01946	.36302	.33935	.35118	.05634	-.00225
.798	7.921	-.02559	.36017	.31693	.33855	.05482	-.00375
	GRADIENT	-.00286	-.00031	-.00032	-.00031	-.00022	-.00009

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (J4R008) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 99/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.901	-8.053	.02374	.42868	.38690	.40779	.05249	-.00327
.899	-6.015	.01597	.42980	.40501	.41741	.05390	-.00107
.899	-4.051	.00263	.42932	.42099	.42515	.05552	-.00119
.901	-2.074	-.00151	.42976	.43006	.42991	.05477	-.00188
.901	-.063	-.00563	.43028	.43358	.43193	.05503	-.00187
.897	1.976	-.01092	.42347	.42403	.42375	.05471	-.00104
.903	3.907	-.01514	.42864	.42085	.42474	.05405	-.00112
.899	5.922	-.02096	.42513	.40317	.41415	.05378	-.00303
.900	7.924	-.02586	.41746	.37861	.39804	.05261	-.00245
	GRADIENT	-.00225	-.00039	-.00032	-.00035	-.00015	.00005

RUN NO. 100/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.103	-7.851	.01364	.61039	.57541	.59290	.04720	-.00190
1.100	-6.017	.00703	.60794	.58580	.59687	.04784	-.00042
1.101	-3.975	.00209	.60831	.60035	.60433	.04962	-.00111
1.098	-2.041	-.00266	.60861	.60880	.60871	.04922	-.00192
1.098	-.045	-.00745	.60832	.61143	.60987	.04918	-.00127
1.100	1.960	-.01235	.60784	.60866	.60825	.04940	-.00096
1.102	3.925	-.01822	.60614	.59786	.60200	.04887	-.00126
1.099	5.952	-.02456	.60451	.58499	.59475	.04844	-.00254
1.100	7.987	-.03311	.60212	.55682	.58447	.04733	-.00239
	GRADIENT	-.00254	-.00026	-.00026	-.00026	-.00007	.00003

RUN NO. 103/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.251	-7.931	.01436	.67482	.63833	.65658	.04677	-.00151
1.251	-6.024	.00736	.67612	.65381	.66497	.04855	-.00080
1.250	-4.053	.00153	.67563	.66689	.67126	.04950	-.00124
1.250	-2.055	-.00529	.67307	.67433	.67370	.04739	-.00110
1.251	-.032	-.01276	.67277	.67637	.67457	.04746	-.00122
1.249	1.947	-.02020	.67282	.67396	.67339	.04800	-.00195
1.248	3.937	-.02871	.67136	.66512	.66824	.04794	-.00099
1.251	5.924	-.03704	.67070	.65285	.66178	.04804	-.00170
1.249	7.913	-.04488	.66932	.63622	.65277	.04745	-.00266
	GRADIENT	-.00377	-.00044	-.00019	-.00032	-.00013	-.00002

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (J4R008) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 109/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.400	-7.946	-.01060	.69534	.65751	.67643	.04734	.00203
1.400	-6.051	-.01375	.69556	.67205	.68381	.04843	-.00004
1.400	-4.073	-.01759	.69472	.68411	.68942	.05023	-.00157
1.399	-2.074	-.02052	.69262	.69176	.69219	.04908	-.00018
1.401	-.079	-.02633	.69239	.69495	.69367	.04933	-.00077
1.401	1.925	-.03178	.69362	.69407	.69385	.05067	-.00164
1.400	3.922	-.03590	.69481	.68741	.69111	.04999	-.00200
1.397	5.952	-.04232	.69578	.67539	.68559	.04877	-.00145
1.402	7.935	-.04598	.69590	.65963	.67776	.04756	-.00006
	GRADIENT	-.00239	.00006	.00045	.00025	.00006	-.00012

RUN NO. 110/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.449	-7.896	-.00239	.69592	.65838	.67715	.04385	-.00031
1.452	-6.081	-.00631	.69201	.67084	.68143	.04677	-.00119
1.450	-4.042	-.01078	.69022	.68182	.68602	.05125	-.00121
1.450	-2.037	-.01659	.68907	.68884	.68896	.05056	-.00136
1.450	-.067	-.02248	.69013	.69207	.69110	.04897	-.00191
1.449	1.915	-.03232	.69156	.69078	.69117	.04904	-.00134
1.449	3.969	-.03766	.69355	.68526	.68941	.04897	-.00066
1.450	5.916	-.04360	.69349	.67375	.68362	.04827	-.00081
1.449	7.929	-.05047	.69724	.66134	.67929	.04743	-.00161
	GRADIENT	-.00348	.00046	.00044	.00045	-.00030	.00006

RUN NO. 113/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.500	-7.961	-.03664	.69873	.66045	.67959	.04967	.00217
1.501	-6.077	-.02072	.69413	.67282	.68348	.05068	.00025
1.501	-4.039	-.02605	.69036	.68308	.68672	.05024	-.00164
1.500	-2.042	-.03195	.68871	.69084	.68977	.04818	-.00217
1.500	-.043	-.03748	.69020	.69297	.69158	.05009	-.00208
1.501	1.932	-.04252	.69026	.69186	.69106	.05081	-.00220
1.500	3.961	-.05108	.69283	.68639	.68961	.04912	-.00125
1.499	5.903	-.05670	.69697	.67478	.68587	.04789	-.00071
1.500	7.949	-.06976	.69929	.66149	.68039	.04649	-.00204
	GRADIENT	-.00304	.00033	.00038	.00035	.00002	.00004

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (J4R008) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 114/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.550	-7.914	-.00402	.70258	.65848	.68053	.04830	-.00272
1.551	-6.045	-.02090	.69842	.67177	.68510	.05036	-.00153
1.551	-4.092	-.01438	.69309	.68026	.68668	.05262	-.00055
1.552	-2.063	-.02549	.68783	.68582	.68683	.05108	-.00037
1.550	-.039	-.03745	.68617	.68922	.68769	.05026	-.00005
1.550	1.940	-.03466	.68915	.68671	.68793	.04843	-.00128
1.549	3.937	-.03704	.69436	.68122	.68779	.04781	-.00150
1.548	5.940	-.05537	.69782	.67272	.68527	.05173	-.00126
1.550	7.919	-.07424	.69679	.65686	.67683	.05358	-.00189
	GRADIENT	-.00272	.00019	.00014	.00017	-.00061	-.00014

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R009) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.507 BETA = .000
PHI = 180.000

RUN NO. 84/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.399	-8.036	.02718	84.01880	1.00940	752.47700	839.90000	1.04051	75.00000	180.00000	8.31300	179.81000
.401	-6.057	.02127	84.48440	1.01154	751.46900	839.40000	1.04076	75.10000	180.00000	6.33800	179.81000
.402	-4.032	.01500	84.85660	1.01272	750.66200	839.00000	1.04100	75.40000	180.00000	4.31800	179.81000
.401	-2.020	.00858	84.57410	1.01042	750.66800	838.70000	1.04086	75.60000	180.00000	2.31100	179.81000
.401	-.033	.00255	84.57580	1.01014	750.96700	839.00000	1.04084	75.80000	180.00000	.33000	179.81000
.401	1.937	-.00456	84.57860	1.00998	751.46700	839.50000	1.04082	76.00000	180.00000	-1.63500	179.81000
.401	3.956	-.01120	84.67440	1.01006	751.76400	839.90000	1.04087	76.30000	180.00000	-3.64800	179.81000
.400	5.953	-.01799	84.39460	1.00833	752.27000	840.10000	1.04069	76.40000	180.00000	-5.63900	179.81000
.401	7.931	-.02455	84.58520	1.00908	752.66500	840.70000	1.04076	76.70000	180.00000	-7.61200	179.81000
	GRADIENT	-.00329	-.01809	-.00029	.15056	.13031	-.00002	.11039	.00000	-.99729	.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R009) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.507 BETA = .000
PHI = 180.000

RUN NO. 61/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-8.181	.04298	258.83400	2.00265	1025.69000	1308.70000	1.09340	110.10000	180.00000	8.29100	179.90000
.601	-6.177	.03708	258.91500	2.00285	1025.49001	1308.60001	1.09345	110.10000	180.00000	6.29000	179.91000
.601	-4.185	.03072	258.81600	2.00236	1024.89000	1307.89999	1.09348	110.00000	180.00000	4.29900	179.91000
.601	-2.177	.02479	258.89900	2.00311	1024.78999	1307.89999	1.09352	109.90000	180.00000	2.29300	179.91000
.601	-.170	.01860	258.82300	2.00309	1025.19000	1308.20000	1.09345	109.90000	180.00000	.29100	179.91000
.600	1.847	.00933	258.50100	2.00236	1026.10001	1308.70000	1.09323	109.90000	180.00000	-1.71500	179.89000
.601	3.869	.00247	259.10700	2.00534	1026.38000	1309.70000	1.09345	109.90000	180.00000	-3.71200	179.89000
.600	5.899	-.00329	259.02600	2.00469	1026.58000	1309.80000	1.09340	110.00000	180.00000	-5.71100	179.89000
.600	7.944	-.00883	258.51700	2.00210	1026.78999	1309.39999	1.09320	110.10000	180.00000	-7.72500	179.89000
	GRADIENT	-.00357	.00920	.00026	.21317	.21870	-.00002	-.00992	.00000	-.99493	-.00298

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (14R009) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.507 BETA = .000
PHI = 180.000

RUN NO. 84/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.399	-8.036	.02718	1.00703	.05643	.50290	.24022	.23462	-.44647	.00561	-.42795	.01277
.401	-6.057	.02127	1.03455	.11280	.45006	.26435	.25551	-.33726	.00884	-.32109	.01354
.402	-4.032	.01500	1.04818	.17056	.39437	.28180	.27654	-.22381	.00526	-.20769	.01145
.401	-2.020	.00858	1.05236	.22707	.33755	.29115	.28823	-.11048	.00292	-.09417	.00967
.401	-.033	.00255	1.05422	.28401	.28396	.29340	.29439	.00005	-.00100	.00972	.00490
.401	1.937	-.00456	1.05400	.33658	.22766	.28906	.29098	.10892	-.00192	.12026	.00400
.401	3.956	-.01120	1.04742	.39278	.17031	.27585	.28243	.22246	-.00658	.23361	-.00070
.400	5.953	-.01799	1.03133	.44889	.11530	.25457	.26747	.33359	-.01290	.34307	-.00659
.401	7.931	-.02455	.99949	.49899	.05981	.22659	.25004	.43918	-.02344	.44839	-.00869
	GRADIENT	-.00329	.00001	.02779	-.02799	-.00070	.00073	.05579	-.00143	.05504	-.00150

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (I4R009) (12 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.507 BETA = .000
PHI = 180.000

RUN NO. 61/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.600	-8.181	.04298	.45646	-.51309	-.04474	-.33056	-.34045	-.46835	.00989	-.44789	.02269
.601	-6.177	.03708	.48034	-.45522	-.10012	-.30708	-.31373	-.35510	.00665	-.33498	-.00108
.601	-4.185	.03072	.48976	-.39566	-.15700	-.28991	-.29369	-.23866	.00378	-.21993	-.01490
.601	-2.177	.02479	.49534	-.33987	-.21853	-.28026	-.28260	-.12135	.00234	-.10384	-.02336
.601	-.170	.01860	.49815	-.28073	-.27481	-.27672	-.27484	-.00592	-.00188	.00958	-.02787
.600	1.847	.00933	.49765	-.22229	-.33464	-.28301	-.27649	.11235	-.00651	.12451	-.02823
.601	3.869	.00247	.48980	-.16491	-.39070	-.29655	-.28583	.22579	-.01072	.23542	-.02247
.600	5.899	-.00329	.47396	-.10821	-.45201	-.31682	-.30319	.34380	-.01364	.34648	-.00680
.600	7.944	-.00883	.44666	-.05524	-.50963	-.34448	-.32611	.45438	-.01337	.45214	-.03532
	GRADIENT	-.00357	.00012	.02876	-.02898	-.00080	.00108	.05775	-.00188	.05658	-.00099

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (J4R009) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.507 BETA = .000
PHI = 180.000

RUN NO. 84/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.399	-8.036	.02718	.27041	.23384	.25212	.05357	.00082
.401	-6.057	.02127	.27334	.25758	.26546	.05480	-.00047
.402	-4.032	.01500	.27440	.27608	.27524	.05716	-.00084
.401	-2.020	.00858	.27415	.28631	.28023	.05383	-.00190
.401	-.033	.00255	.27915	.29095	.28505	.05362	-.00144
.401	1.937	-.00456	.27645	.28706	.28175	.05691	-.00092
.401	3.956	-.01120	.27597	.27620	.27608	.05552	-.00322
.400	5.953	-.01799	.27736	.25786	.26761	.05393	-.00206
.401	7.931	-.02455	.27479	.23094	.25287	.05288	-.00056
	GRADIENT	-.00329	.00027	.00005	.00016	-.00001	-.00019

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (J4R009) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.507 BETA = .000
PHI = 180.000

RUN NO. 61/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.600	-8.181	.04298	-.28915	-.34190	-.31553	.05597	-.01301
.601	-6.177	.03708	-.28773	-.30654	-.29714	.05704	-.00955
.601	-4.185	.03072	-.28569	-.28246	-.28407	.05818	-.00516
.601	-2.177	.02479	-.28795	-.26858	-.27827	.05697	-.00329
.601	-.170	.01860	-.28552	-.26279	-.27415	.05689	-.00104
.600	1.847	.00933	-.28454	-.26889	-.27672	.05595	.00019
.601	3.869	.00247	-.28262	-.28531	-.28397	.05484	.00829
.600	5.899	-.00329	-.28145	-.31342	-.29743	.05338	-.00169
.600	7.944	-.00883	-.28131	-.32682	-.30407	.05082	-.02007
	GRADIENT	-.00357	.00047	-.00030	.00009	-.00038	.00151

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R010) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.017 BETA = .000
PHI = 180.000

RUN NO. 59/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.401	-8.066	.01650	84.58360	1.02078	752.36500	840.40000	1.04079	71.80000	180.00000	8.33200	179.86000
.401	-6.020	.01216	84.48830	1.01906	752.16800	840.10000	1.04075	72.20000	180.00000	6.29000	179.86000
.401	-4.049	.00788	84.58240	1.01893	752.16600	840.20000	1.04078	72.50000	180.00000	4.32300	179.86000
.401	-2.028	.00341	84.77030	1.01936	752.06200	840.30000	1.04090	72.80000	180.00000	2.30600	179.86000
.400	-.064	-.00109	84.30250	1.01572	752.67100	840.40000	1.04062	73.20000	180.00000	.34600	179.86000
.399	1.939	-.00614	84.01930	1.01285	752.57700	840.00000	1.04050	73.60000	180.00000	-1.65300	179.86000
.400	3.938	-.01104	84.20670	1.01345	752.37300	840.00000	1.04058	73.80000	180.00000	-3.64800	179.86000
.400	5.943	-.00820	84.39680	1.01196	752.66900	840.50000	1.04068	75.00000	180.00000	-5.64900	179.93000
	GRADIENT	-.00238	-.07517	-.00087	.04639	-.03511	-.00004	.17047	-.00000	-.99799	.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (I4R010) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.017 BETA = .000
PHI = 180.000

RUN NO. 59/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.401	-8.066	.01650	-.85112	-1.79973	-1.33377	-1.60332	-1.63503	-.46597	.03170	-.39841	.05621
.401	-6.020	.01216	-.82005	-1.73925	-1.39001	-1.57954	-1.60756	-.34923	.02802	-.28780	.03691
.401	-4.049	.00788	-.80678	-1.68347	-1.43787	-1.55978	-1.58941	-.24560	.02963	-.17777	.02588
.401	-2.028	.00341	-.79416	-1.61674	-1.49260	-1.54656	-1.57171	-.12414	.02515	-.06635	.02017
.400	-.064	-.00109	-.80259	-1.56995	-1.55422	-1.55158	-1.57258	-.01573	.02100	.03764	.01373
.399	1.939	-.00614	-.81066	-1.52362	-1.61777	-1.56485	-1.58400	.09416	.01914	.14994	.01968
.400	3.938	-.01104	-.81531	-1.46394	-1.66681	-1.57602	-1.58960	.20287	.01358	.25759	.03345
.400	5.943	-.00820	-.82623	-1.40106	-1.71824	-1.59043	-1.59680	.31719	.00637	.36195	-.01554
	GRADIENT	-.00238	-.00168	.02669	-.02924	-.00254	-.00063	.05593	-.00191	.05451	.00074

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (J4R010) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.017 BETA = .000
PHI = 180.000

RUN NO. 59/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.401	-8.066	.01650	-1.60052	-1.63143	-1.61598	.05359	-.01025
.401	-6.020	.01216	-1.59535	-1.59800	-1.59667	.05500	-.00780
.401	-4.049	.00788	-1.59458	-1.57272	-1.58365	.05612	-.00357
.401	-2.028	.00341	-1.58356	-1.55665	-1.57010	.05339	-.00323
.400	-.064	-.00109	-1.58877	-1.55844	-1.57361	.05447	-.00186
.399	1.939	-.00614	-1.59859	-1.57469	-1.58664	.05568	.00969
.400	3.938	-.01104	-1.59273	-1.59274	-1.59274	.05256	-.00731
.400	5.943	-.00820	-1.58203	-1.58266	-1.58235	.05178	-.03299
	GRADIENT	-.00238	-.00056	-.00291	-.00174	-.00024	.00027

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R011) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 213/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.402	7.996	.02754	84.86330	1.01837	751.86000	840.20000	1.04096	73.40000	180.00000	8.25500	179.81000
.398	-6.013	.02083	83.45310	1.00865	752.48900	839.30000	1.04021	73.70000	180.00000	6.27900	179.81000
.398	-4.021	.01421	83.36480	1.00848	753.58900	840.30000	1.04014	73.90000	180.00000	4.29300	179.81000
.398	-2.008	.00730	83.74740	1.01111	754.58000	841.70000	1.04025	74.10000	180.00000	2.28600	179.81000
.399	.009	.00021	84.12830	1.01328	755.27100	842.80000	1.04041	74.40000	180.00000	.27600	179.81000
.399	1.979	-.00602	84.22320	1.01396	755.36900	843.00000	1.04045	74.40000	180.00000	-1.68800	179.81000
.399	3.997	-.01284	84.31410	1.01345	754.76800	842.50000	1.04054	74.70000	180.00000	-3.70000	179.81000
.400	5.966	-.01948	84.40620	1.01332	754.36700	842.20000	1.04058	74.90000	180.00000	-5.66400	179.81000
.401	7.998	-.02654	84.68550	1.01426	753.76200	841.90000	1.04076	75.10000	180.00000	-7.69100	179.81000
	GRADIENT	-.00337	.11867	.00064	.15739	.28499	.00005	.09497	-.00000	-.99689	-.00000

RUN NO. 214/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-7.953	.01390	320.60800	2.48732	1270.55000	1621.10001	1.09339	108.90000	180.00000	8.15700	179.90000
.601	-6.042	.01030	321.42700	2.49440	1272.62000	1624.10001	1.09350	108.60000	180.00000	6.26800	179.90000
.600	-4.023	.00622	321.16600	2.48637	1272.42999	1623.60001	1.09342	109.80000	180.00000	4.27300	179.90000
.600	-1.988	.00251	321.84000	2.48750	1275.60001	1627.50000	1.09340	110.60000	180.00000	2.26200	179.89000
.600	-.041	-.00177	320.45500	2.48505	1271.35001	1621.70000	1.09329	109.30000	180.00000	.33800	179.88000
.599	1.941	-.00558	319.81900	2.47777	1273.46001	1623.00000	1.09293	110.40000	180.00000	-1.62200	179.88000
.600	3.981	-.01028	321.28700	2.48424	1273.92000	1625.20000	1.09335	110.50000	180.00000	-3.64100	179.88000
.599	5.965	-.01470	319.76700	2.47521	1271.25999	1620.80000	1.09311	110.50000	180.00000	-5.60500	179.88000
.599	7.984	-.01901	319.96000	2.47515	1272.16000	1621.89999	1.09307	110.80000	180.00000	-7.60500	179.88000
	GRADIENT	-.00206	-.08747	-.00070	.04512	-.06019	-.00003	.06096	-.00000	-.98872	-.00250

RUN NO. 227/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-8.077	.03522	322.79100	1.99853	720.72100	1098.50000	1.17035	110.50000	180.00000	8.26400	179.76000
.800	-6.062	.01604	322.84100	1.99907	721.51900	1099.30000	1.17018	110.60000	180.00000	6.27500	179.86000
.800	-4.072	.01057	323.22900	2.00080	721.71000	1100.00000	1.17035	110.60000	180.00000	4.30900	179.86000
.800	-2.060	.00543	322.79100	1.99853	720.72100	1098.50000	1.17035	110.50000	180.00000	2.32300	179.86000
.799	-.073	-.00011	321.72100	1.99281	719.24700	1095.70000	1.17012	110.50000	180.00000	.36100	179.86000
.800	1.927	-.00481	323.50400	2.00196	721.30500	1100.00000	1.17060	110.50000	180.00000	-1.61200	179.86000
.799	3.932	-.00989	322.22700	1.99688	721.33200	1098.30000	1.16988	110.50000	180.00000	-3.59300	179.86000
.800	5.929	-.01495	322.48400	1.99632	720.62800	1098.00000	1.17020	110.70000	180.00000	-5.56700	179.86000
.800	7.929	-.01920	322.05300	1.99417	719.73900	1096.60001	1.17018	110.60000	180.00000	-7.54400	179.87000
	GRADIENT	-.00256	-.06461	-.00022	-.00858	-.09506	-.00003	-.01001	-.00000	-.98726	.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R011) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 229/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.899	-7.897	.01567	348.80400	1.99784	616.15900	1041.30000	1.2188[illegible]	09.90000	180.00000	8.07000	179.90000
.900	-6.086	.01212	348.62500	1.99517	614.26700	1039.39999	1.21946	09.90000	180.00000	6.28500	179.90000
.900	-4.101	.00871	349.75600	2.00204	616.63800	1043.10001	1.21931	109.90000	180.00000	4.32900	179.90000
.900	-2.092	.00461	349.23100	1.99824	616.25000	1042.00000	1.21911	110.20000	180.00000	2.34900	179.90000
.901	-.081	.00023	348.93100	1.99622	614.56000	1040.10001	1.21955	110.00000	180.00000	.36700	179.90000
.899	1.887	-.00288	348.05200	1.99340	615.57600	1039.70000	1.21857	110.10000	180.00000	-1.57100	179.90000
.901	3.925	-.00693	349.36400	1.99928	615.44900	1041.50000	1.21950	109.90000	180.00000	-3.58100	179.90000
.899	5.945	-.01112	349.65100	2.00323	617.73800	1043.89999	1.21882	109.80000	180.00000	-5.57300	179.90000
.900	7.885	-.01504	349.50600	2.00139	616.94300	1043.00000	1.21903	109.90000	180.00000	-7.48600	179.90000
	GRADIENT	-.00194	-.09737	-.00051	-.15268	-.27393	-.00001	- 00505	.00000	-.98539	.00000

RUN NO. 231/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-8.015	.02061	372.03500	1.89713	439.04200	937.70000	1.33762	110.40000	180.00000	8.15400	179.88000
1.101	-6.085	.01588	371.97900	1.89585	438.44600	937.20000	1.33804	110.50000	180.00000	6.26000	179.88000
1.098	-4.054	.01112	371.42100	1.89627	440.44200	937.60000	1.33600	110.40000	180.00000	4.26700	179.88000
1.099	-2.065	.00603	372.18500	1.89974	440.13300	938.70000	1.33692	110.20000	180.00000	2.31400	179.88000
1.100	-.074	.00091	372.07300	1.89749	439.24000	937.90000	1.33751	110.40000	180.00000	.36000	179.88000
1.100	1.900	-.00353	372.34300	1.89906	439.73300	938.70000	1.33738	110.40000	180.00000	-1.57800	179.88000
1.100	3.893	-.00870	372.01400	1.89727	439.24100	937.80000	1.33746	110.40000	180.00000	-3.53500	179.88000
1.100	5.922	-.01340	371.78000	1.89594	439.24400	937.40000	1.33724	110.50000	180.00000	-5.52800	179.88000
1.102	7.904	-.01775	373.24200	1.90153	439.22300	939.90000	1.33858	110.50000	180.00000	-7.47300	179.88000
	GRADIENT	-.00248	.06768	.00007	-.14120	.02007	.00017	.01006	.00000	-.98167	-.00000

RUN NO. 519/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.022	.02954	403.68400	1.94595	369.01500	956.00000	1.42338	110.70000	180.00000	6.15500	179.72000
1.250	-4.013	.00648	404.39500	1.95031	369.70100	957.70000	1.42335	110.50000	180.00000	4.18400	179.90000
1.250	-1.951	.00177	404.41700	1.95030	369.60200	957.70000	1.42345	110.50000	180.00000	2.16100	179.90000
1.251	-.031	-.00260	403.30600	1.94523	368.42500	955.00000	1.42359	110.40000	180.00000	.27700	179.90000
1.250	2.024	-.00715	404.93300	1.95319	370.48800	959.10000	1.42308	110.50000	180.00000	-1.74000	179.90000
1.250	4.028	-.02032	404.41700	1.94895	369.60200	957.70000	1.42345	110.80000	180.00000	-3.70800	179.79000
1.250	5.958	-.01900	404.11200	1.94776	369.60500	957.10000	1.42321	110.80000	180.00000	-5.60300	179.88000
	GRADIENT	-.00312	.02919	.00001	.03566	.07288	-.00001	.03006	.00000	-.98142	-.01098

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R011) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 233/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-7.997	.01184	429.97400	1.99913	313.39800	997.30000	1.49360	110.90000	180.00000	8.12600	179.93000
1.401	-6.100	.02866	429.50500	1.99523	312.80900	996.20000	1.49383	111.20000	180.00000	6.26700	179.76000
1.399	-4.098	.00867	430.22000	1.99891	314.18700	997.90000	1.49304	111.30000	180.00000	4.30400	179.90000
1.400	-2.044	.00443	429.32600	1.99665	313.00800	995.80000	1.49352	110.80000	180.00000	2.29100	179.90000
1.398	-.088	.00136	430.04300	2.00013	314.28800	997.50000	1.49282	110.90000	180.00000	.37300	179.90000
1.397	1.912	-.00296	430.11900	2.00224	314.78100	997.70000	1.49242	110.60000	180.00000	-1.58800	179.90000
1.397	3.906	-.00718	429.34600	1.99715	314.09600	995.90000	1.49252	110.90000	180.00000	-3.54300	179.90000
1.397	5.905	-.01374	429.30200	1.99743	314.09600	995.80000	1.49249	110.80000	180.00000	-5.50400	179.90000
1.399	7.909	-.01728	430.01200	1.99953	313.69400	997.40000	1.49335	110.90000	180.00000	-7.46800	179.90000
	GRADIENT	-.00196	-.04848	.00010	.07864	-.10671	-.00011	-.05039	.00000	-.98044	.00000

RUN NO. 235/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-8.018	.02357	433.77700	2.00121	294.55200	1006.90000	1.51385	110.70000	180.00000	8.14700	179.87000
1.451	-6.067	.01796	434.15600	2.00238	294.64700	1007.80000	1.51400	110.80000	180.00000	6.23400	179.87000
1.452	-4.083	.01442	432.88900	1.99677	293.47000	1004.90000	1.51431	110.70000	180.00000	4.29000	179.87000
1.450	-2.085	.00810	432.40100	1.99537	293.67400	1003.70000	1.51380	110.60000	180.00000	2.33100	179.87000
1.450	-.085	.00421	433.31400	1.99924	294.45700	1005.80000	1.51365	110.70000	180.00000	.37000	179.87000
1.450	1.924	-.00447	432.75900	1.99674	294.16600	1004.50000	1.51356	110.70000	180.00000	-1.60000	179.87000
1.449	3.897	-.00725	432.59300	1.99652	294.16700	1004.10000	1.51345	110.60000	180.00000	-3.53500	179.87000
1.451	5.902	-.01436	432.63500	1.99612	293.37400	1004.30000	1.51423	110.60000	180.00000	-5.50100	179.87000
1.451	7.892	-.02010	432.25600	1.99449	293.27900	1003.40000	1.51408	110.60000	180.00000	-7.45200	179.87000
	GRADIENT	-.00280	-.01165	.00004	.09452	-.03991	-.00010	-.00498	.00000	-.98050	-.00000

RUN NO. 237/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.499	-8.009	.01388	436.18500	1.99862	277.15200	1016.60000	1.53203	110.90000	180.00000	8.13800	179.92000
1.500	-6.131	.01963	435.95100	1.99745	276.85600	1016.10000	1.53217	110.90000	180.00000	6.29700	179.84000
1.499	-4.070	.01448	436.01500	1.99691	277.05400	1016.20000	1.53202	111.10000	180.00000	4.27700	179.84000
1.499	-2.078	.00732	435.80500	1.99644	276.95800	1015.70000	1.53199	111.00000	180.00000	2.32400	179.84000
1.500	-.085	.00128	435.82000	1.99638	276.75900	1015.80000	1.53219	111.00000	180.00000	.37000	179.84000
1.500	1.920	-.00403	435.33600	1.99644	276.36700	1014.70000	1.53227	110.50000	180.00000	-1.59600	179.84000
1.500	3.913	-.01231	435.92600	2.00050	276.65800	1016.10000	1.53235	110.20000	180.00000	-3.55000	179.84000
1.499	5.916	-.01858	436.44600	2.00217	277.27700	1017.20000	1.53200	110.40000	180.00000	-5.51400	179.84000
1.500	7.925	-.02239	435.62300	1.99929	276.76100	1015.30000	1.53207	110.20000	180.00000	-7.48400	179.84000
	GRADIENT	-.00325	-.03244	.00036	-.06930	-.06019	.00005	-.11525	.00000	-.98051	.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R011) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 239/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.548	-8.181	.00058	438.82300	2.00338	261.65800	1029.89999	1.54869	110.40000	180.00000	8.30900	-179.97000
1.551	-6.028	-.00133	438.73600	2.00250	260.65900	1030.20000	1.54961	110.40000	180.00000	6.19700	-179.96000
1.551	-4.004	.00310	438.64100	2.00393	260.56100	1030.00000	1.54965	110.00000	180.00000	4.21200	-179.96000
1.551	-1.946	.00742	438.50900	2.00191	260.46200	1029.70000	1.54967	110.30000	180.00000	2.19400	-179.96000
1.550	-.019	.00413	438.30800	2.00157	260.76600	1029.00000	1.54925	110.20000	180.00000	.30500	-179.96000
1.549	1.991	.00908	437.99100	1.99990	260.87100	1028.10001	1.54897	110.30000	180.00000	-1.66600	-179.96000
1.548	4.098	.01104	437.67400	1.99907	260.97600	1027.20000	1.54868	110.20000	180.00000	-3.73200	-179.95000
1.552	6.109	.01322	437.16600	1.99611	259.38300	1026.70000	1.54995	110.20000	180.00000	-5.70500	-179.96000
1.552	8.139	.01334	437.84100	1.99908	259.57200	1028.39999	1.55016	110.20000	180.00000	-7.69500	-179.96000
	GRADIENT	.00088	-.12185	-.00058	.06129	-.35765	-.00013	.01985	-.00000	-.98057	-.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (I4R011) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 213/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.402	-7.996	.02754	1.01546	.09140	.52707	.23556	.23539	-.43567	.00018	-.41075	.02587
.398	-6.013	.02083	1.04624	.14759	.47599	.25929	.25983	-.32840	-.00053	-.30062	.02427
.398	-4.021	.01421	1.05827	.20318	.41992	.27679	.27656	-.21674	.00023	-.19087	.02483
.398	-2.008	.00730	1.06201	.25998	.36446	.28528	.28909	-.10448	-.00381	-.07719	.02265
.399	.009	.00021	1.06227	.31660	.30790	.28708	.29496	.00870	-.00788	.03088	.01754
.399	1.979	-.00602	1.06110	.36957	.25151	.28160	.28967	.11806	-.00807	.14193	.01859
.399	3.997	-.01284	1.05306	.42385	.19501	.26875	.28219	.22883	-.01344	.25314	.01258
.400	5.966	-.01948	1.03483	.47910	.14028	.24805	.26677	.33881	-.01872	.36215	.00880
.401	7.998	-.02654	1.00129	.53089	.08486	.21909	.24492	.44603	-.02583	.47015	.00211
	GRADIENT	-.00337	-.00056	.02752	-.02811	-.00098	.00060	.05562	-.00158	.05529	-.00143

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (14R011) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 214/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.600	-7.953	.01390	1.05392	.07754	.52897	.24769	.24519	-.45143	.00251	-.44549	.01242
.601	-6.042	.01030	1.08053	.13272	.47745	.26939	.26908	-.34472	.00031	-.33816	.01007
.600	-4.023	.00622	1.09350	.19019	.42151	.28669	.28915	-.23133	-.00245	-.22427	.00693
.600	-1.988	.00251	1.09615	.24708	.35999	.29488	.30385	-.11292	-.00897	-.10562	.00059
.600	-.041	-.00177	1.09838	.30235	.30509	.29850	.30907	-.00273	-.01057	.00407	-.00160
.599	1.941	-.00558	1.09770	.35942	.24686	.29237	.30789	.11256	-.01552	.12008	-.00486
.600	3.981	-.01028	1.09232	.41774	.18943	.28095	.29864	.22832	-.01769	.23605	-.00723
.599	5.965	-.01470	1.07827	.47353	.13101	.26270	.28111	.34251	-.01842	.35068	-.00822
.599	7.984	-.01901	1.04813	.52685	.07266	.23507	.26106	.45420	-.02600	.46224	-.01552
	GRADIENT	-.00206	-.00004	.02846	-.02896	-.00071	.00115	.05742	-.00186	.05750	-.00169

RUN NO. 227/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.800	-8.077	.03522	1.13359	.13447	.59462	.32127	.30821	-.46015	.01306	-.45005	.01069
.800	-6.062	.01604	1.15782	.19305	.54079	.34228	.33108	-.34774	.01120	-.33714	.00846
.800	-4.072	.01057	1.16754	.24986	.48438	.35730	.34927	-.23452	.00604	-.22373	.00500
.800	-2.060	.00543	1.17175	.30601	.42671	.36477	.36276	-.12070	.00201	-.10958	-.00096
.799	-.073	-.00011	1.17305	.36371	.36845	.36751	.36767	-.00473	-.00016	.00479	-.00317
.800	1.927	-.00481	1.17031	.41989	.31209	.36222	.36609	.10780	-.00387	.11787	-.00587
.799	3.932	-.00989	1.16875	.47733	.25583	.35027	.35771	.22150	-.00744	.23187	-.00891
.800	5.929	-.01495	1.15422	.53150	.19710	.33477	.34178	.33440	-.00702	.34453	-.00890
.800	7.929	-.01920	1.13284	.58589	.13961	.31366	.32440	.44628	-.01074	.45633	-.01255
	GRADIENT	-.00256	.00005	.02845	-.02860	-.00083	.00101	.05705	-.00184	.05695	-.00164

RUN NO. 229/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.899	-7.897	.01567	1.18957	.21490	.64638	.39174	.37941	-.43148	.01233	-.42320	.00876
.900	-6.086	.01212	1.20535	.26427	.59842	.40794	.39587	-.33416	.01208	-.32583	.00855
.900	-4.101	.00871	1.21539	.31871	.54569	.42256	.41340	-.22699	.00916	-.21812	.00580
.900	-2.092	.00461	1.21862	.37373	.48977	.42913	.42543	-.11604	.00371	-.10730	-.00001
.901	-.081	.00023	1.21848	.42800	.43265	.43147	.43041	-.00465	.00105	.00291	-.00254
.899	1.887	-.00288	1.22007	.48360	.37950	.42794	.43006	.10411	-.00212	.11170	-.00441
.901	3.925	-.00693	1.21412	.53711	.32356	.41600	.42057	.21356	-.00457	.22092	-.00634
.899	5.945	-.01112	1.20378	.59146	.26817	.40247	.40767	.32329	-.00520	.33101	-.00729
.900	7.885	-.01504	1.18549	.64339	.21516	.38176	.39215	.42823	-.01040	.43613	-.01231
	GRADIENT	-.00194	-.00006	.02729	-.02768	-.00072	.00094	.05497	-.00166	.05476	-.00143

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (I4R011) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 231/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.100	-8.015	.02061	1.30910	.41807	.81099	.57696	.56604	-.39293	.01092	-.38618	.00908
1.101	-6.085	.01588	1.32610	.46644	.76557	.59368	.58291	-.29912	.01077	-.29254	.00883
1.098	-4.054	.01112	1.33517	.51520	.71535	.60545	.59755	-.20015	.00789	-.19367	.00572
1.099	-2.065	.00603	1.33598	.56302	.66403	.60965	.60791	-.10101	.00175	-.09480	-.00016
1.100	-.074	.00091	1.33663	.61265	.61374	.61139	.61265	-.00109	-.00126	.00432	-.00271
1.100	1.900	-.00353	1.33378	.65983	.56378	.60578	.60982	.09605	-.00404	.10227	-.00443
1.100	3.893	-.00870	1.33141	.70873	.51593	.59701	.60282	.19279	-.00581	.19876	-.00587
1.100	5.922	-.01340	1.32166	.75820	.46593	.58422	.59086	.29228	-.00664	.29810	-.00684
1.102	7.904	-.01775	1.30465	.80607	.41955	.56601	.57795	.38652	-.01194	.39219	-.01199
	GRADIENT	-.00248	-.00049	.02436	-.02513	-.00104	.00063	.04949	-.00167	.04944	-.00138

RUN NO. 519/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.250	-6.022	.02954	1.41202	.52809	.81911	.65447	.64503	-.29101	.00944	-.28996	.00639
1.250	-4.013	.00648	1.42141	.57722	.76896	.66637	.66113	-.19175	.00525	-.19151	.00222
1.250	-1.951	.00177	1.42225	.62650	.71659	.67082	.67278	-.09008	-.00195	-.08961	-.00371
1.251	-.031	-.00260	1.42039	.67281	.67030	.67205	.67671	.00251	-.00466	.00231	-.00669
1.250	2.024	-.00715	1.42138	.72152	.62138	.66810	.67690	.10014	-.00879	.10003	-.01080
1.250	4.028	-.02032	1.41837	.77012	.57237	.65848	.66896	.19775	-.01048	.19722	-.01197
1.250	5.958	-.01900	1.40735	.81775	.52579	.64516	.65832	.29196	-.01316	.29190	-.01549
	GRADIENT	-.00312	-.00034	.02397	-.02435	-.00092	.00099	.04832	-.00191	.04822	-.00177

RUN NO. 233/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.400	-7.997	.01184	1.47683	.50400	.89632	.65456	.65918	-.39232	-.00462	-.38821	-.00351
1.401	-6.100	.02866	1.48946	.54768	.84999	.67069	.67082	-.30231	-.00013	-.29781	.00015
1.399	-4.098	.00867	1.49290	.59792	.80214	.68139	.68812	-.20421	-.00673	-.19954	-.00557
1.400	-2.044	.00443	1.49055	.64716	.74903	.68777	.69621	-.10187	-.00844	-.09679	-.00710
1.398	-.088	.00136	1.49140	.69600	.70045	.69188	.70179	-.00446	-.00990	-.00010	-.00870
1.397	1.912	-.00296	1.49397	.74777	.65162	.68959	.70196	.09615	-.01237	.10096	-.01118
1.397	3.906	-.00718	1.49380	.79826	.60273	.68088	.69545	.19552	-.01457	.20049	-.01322
1.397	5.905	-.01374	1.48197	.84943	.55493	.66727	.68447	.29450	-.01720	.29965	-.01580
1.399	7.909	-.01728	1.46568	.89576	.50555	.64909	.66997	.39021	-.02088	.39547	-.01965
	GRADIENT	-.00196	.00026	.02511	-.02486	.00004	.00103	.04997	-.00098	.04998	-.00097

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (I4R011) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 235/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.450	-8.018	.02357	1.48772	.50552	.89243	.65290	.65622	-.38691	-.00332	-.38267	-.00300
1.451	-6.067	.01796	1.50131	.54957	.84488	.66690	.67227	-.29991	-.00538	-.29521	-.00473
1.452	-4.083	.01442	1.50682	.59237	.79484	.67439	.68533	-.20247	-.01094	-.19764	-.01035
1.450	-2.085	.00810	1.50524	.64229	.74175	.68053	.69340	-.09946	-.01288	-.09443	-.01232
1.450	-.085	.00421	1.50327	.69490	.69357	.68358	.69946	.00133	-.01588	.00556	-.01530
1.450	1.924	-.00447	1.49586	.74566	.64590	.68092	.69931	.09976	-.01839	.10425	-.01809
1.449	3.897	-.00725	1.50552	.79523	.59890	.67496	.69461	.19633	-.01965	.20088	-.01911
1.451	5.902	-.01436	1.50000	.84391	.55049	.66266	.68291	.29343	-.02026	.29798	-.01969
1.451	7.892	-.02010	1.48519	.89656	.50775	.64933	.67300	.38881	-.02367	.39304	-.02293
	GRADIENT	-.00280	-.00060	.02549	-.02442	.00008	.00123	.04992	-.00115	.04986	-.00117

RUN NO. 237/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.499	-8.009	.01388	1.51699	.50500	.89861	.65595	.66138	-.39361	-.00543	-.39002	-.00419
1.500	-6.131	.01963	1.52544	.55070	.84963	.67110	.67595	-.29893	-.00485	-.29554	-.00387
1.499	-4.070	.01448	1.52591	.59914	.79456	.68118	.68831	-.19543	-.00713	-.19179	-.00580
1.499	-2.078	.00732	1.52502	.64781	.74486	.68726	.69710	-.09704	-.00984	-.09322	-.00864
1.500	-.085	.00128	1.52334	.69794	.69629	.68826	.70144	.00166	-.01318	.00468	-.01195
1.500	1.920	-.00403	1.52710	.74900	.64592	.68602	.70090	.10309	-.01488	.10664	-.01382
1.500	3.913	-.01231	1.52552	.80072	.59734	.67720	.69644	.20338	-.01924	.20689	-.01797
1.499	5.916	-.01858	1.51656	.85360	.55304	.66594	.68551	.30056	-.01957	.30387	-.01808
1.500	7.925	-.02239	1.50572	.90443	.50963	.65277	.67366	.39480	-.02089	.39809	-.01951
	GRADIENT	-.00325	.00007	.02526	-.02472	-.00046	.00100	.04998	-.00147	.04995	-.00148

RUN NO. 239/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.548	-8.181	.00058	1.54925	.50942	.91052	.65108	.66644	-.40111	-.01536	-.39866	-.01306
1.551	-6.028	-.00133	1.55255	.55703	.85183	.66193	.68357	-.29480	-.02164	-.29234	-.01931
1.551	-4.004	.00310	1.55035	.60371	.79312	.67106	.69092	-.18941	-.01986	-.18705	-.01716
1.551	-1.946	.00742	1.55518	.65162	.73407	.67790	.69537	-.08245	-.01747	-.07973	-.01478
1.550	-.019	.00413	1.56095	.69953	.68292	.68158	.69568	.01661	-.01411	.01858	-.01182
1.549	1.991	.00908	1.55746	.75156	.63782	.67960	.69081	.11373	-.01121	.11562	-.00885
1.548	4.098	.01104	1.55005	.81063	.59360	.67681	.68648	.21703	-.00968	.21898	-.00711
1.552	6.109	.01322	1.54860	.86302	.54656	.66702	.67614	.31646	-.00912	.31900	-.00657
1.552	8.139	.01334	1.54370	.91604	.49266	.65066	.66022	.42337	-.00956	.42581	-.00686
	GRADIENT	.00088	.00007	.02552	-.02458	.00065	-.00067	.05010	.00132	.05002	.00129

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (J4R011) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 213/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.402	-7.996	.02754	.29677	.22263	.25970	.05583	-.00115
.398	-6.013	.02082	.29790	.24716	.27253	.05496	-.00013
.398	-4.021	.01421	.29862	.26438	.28150	.05622	.00008
.398	-2.008	.00730	.29858	.27395	.28627	.05481	-.00258
.399	.009	.00021	.30116	.27831	.28974	.05475	-.00060
.399	1.979	-.00602	.29861	.27230	.28546	.05613	-.00094
.399	3.997	-.01284	.29728	.26246	.27987	.05522	-.00287
.400	5.966	-.01948	.29802	.24365	.27084	.05447	-.00222
.401	7.998	-.02654	.29581	.21803	.25692	.05250	-.00383
	GRADIENT	-.00337	-.00013	-.00027	-.00020	-.00003	-.00021

RUN NO. 214/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.600	-7.953	.01390	.30028	.24148	.27088	.05625	-.00129
.601	-6.042	.01030	.30180	.26435	.28308	.05593	-.00110
.600	-4.023	.00622	.30232	.28323	.29278	.05776	-.00267
.600	-1.988	.00251	.29989	.29459	.29724	.05716	-.00222
.600	-.041	-.00177	.30032	.29930	.29981	.05737	-.00108
.599	1.941	-.00558	.29938	.29480	.29709	.05789	-.00176
.600	3.981	-.01028	.29972	.28457	.29214	.05731	-.00033
.599	5.965	-.01470	.29819	.26681	.28250	.05684	-.00187
.599	7.984	-.01901	.29573	.24282	.26928	.05446	-.00448
	GRADIENT	-.00206	-.00029	.00014	-.00007	-.00001	.00026

RUN NO. 227/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.800	-8.077	.03522	.35949	.31592	.33771	.05578	-.00106
.800	-6.062	.01604	.36162	.33805	.34983	.05662	-.00120
.800	-4.072	.01057	.36172	.35481	.35826	.05683	-.00268
.800	-2.060	.00543	.36080	.36525	.36303	.05724	-.00217
.799	-.073	-.00011	.36132	.36909	.36521	.05712	-.00085
.800	1.927	-.00481	.36095	.36515	.36305	.05659	-.00181
.799	3.932	-.00989	.36139	.35472	.35806	.05678	-.00052
.800	5.929	-.01495	.35924	.33922	.34923	.05608	-.00063
.800	7.929	-.01920	.35773	.31993	.33883	.05581	-.00242
	GRADIENT	-.00256	-.00002	-.00001	-.00002	-.00004	.00023

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (J4R011) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 229/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.899	-7.897	.01567	.42650	.38736	.40693	.05368	.00008
.900	-6.086	.01212	.42718	.40367	.41543	.05388	-.00050
.900	-4.101	.00871	.42777	.41966	.42371	.05487	-.00251
.900	-2.092	.00461	.42738	.42914	.42826	.05494	-.00228
.901	-.081	.00023	.42655	.43274	.42964	.05523	-.00081
.899	1.887	-.00288	.42775	.43014	.42895	.05440	-.00111
.901	3.925	-.00693	.42665	.41917	.42291	.05383	-.00043
.899	5.945	-.01112	.42595	.40611	.41603	.05455	-.00141
.900	7.885	-.01504	.42533	.38791	.40662	.05399	-.00318
	GRADIENT	-.00194	-.00009	-.00000	-.00005	-.00013	.00027

RUN NO. 231/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.100	-8.015	.02061	.61116	.57242	.59179	.04855	.00011
1.101	-6.085	.01588	.61271	.58926	.60099	.04847	-.00060
1.098	-4.054	.01112	.61204	.60259	.60731	.04921	-.00264
1.099	-2.065	.00603	.61042	.60973	.61008	.04984	-.00232
1.100	-.074	.00091	.61049	.61274	.61161	.04987	-.00081
1.100	1.900	-.00353	.60870	.60799	.60834	.04888	-.00092
1.100	3.893	-.00870	.60935	.59995	.60465	.04871	-.00031
1.100	5.922	-.01340	.60916	.58764	.59840	.04838	-.00144
1.102	7.904	-.01775	.60997	.57200	.59099	.04703	-.00318
	GRADIENT	-.00248	-.00036	-.00035	-.00036	-.00010	.00031

RUN NO. 519/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.250	-6.022	.02954	.67307	.65128	.66218	.04879	-.00175
1.250	-4.013	.00648	.67297	.66526	.66912	.04942	-.00273
1.250	-1.951	.00177	.67131	.67268	.67199	.04875	-.00216
1.251	-.031	-.00260	.67165	.67539	.67352	.04740	-.00179
1.250	2.024	-.00715	.67150	.67350	.67250	.04796	-.00124
1.250	4.028	-.02032	.67151	.66446	.66799	.04889	-.00094
1.250	5.958	-.01900	.67180	.65290	.66235	.04914	-.00226
	GRADIENT	-.00312	-.00014	-.00004	-.00009	-.00009	.00022

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (J4R011) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 213/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.402	-7.996	.02754	.29677	.22263	.25970	.05583	-.00115
.398	-6.013	.02082	.29790	.24716	.27253	.05496	-.00013
.398	-4.021	.01421	.29862	.26438	.28150	.05622	.00008
.398	-2.008	.00730	.29858	.27395	.28627	.05481	-.00258
.399	.009	.00021	.30116	.27831	.28974	.05475	-.00060
.399	1.979	-.00602	.29861	.27230	.28546	.05613	-.00094
.399	3.997	-.01284	.29728	.26246	.27987	.05522	-.00287
.400	5.966	-.01948	.29802	.24365	.27084	.05447	-.00222
.401	7.998	-.02654	.29581	.21803	.25692	.05250	-.00383
	GRADIENT	-.00337	-.00013	-.00027	-.00020	-.00003	-.00021

RUN NO. 214/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.600	-7.953	.01390	.30028	.24148	.27088	.05625	-.00129
.601	-6.042	.01030	.30180	.26435	.28308	.05593	-.00110
.600	-4.023	.00622	.30232	.28323	.29278	.05776	-.00267
.600	-1.988	.00251	.29989	.29459	.29724	.05716	-.00222
.600	-.041	-.00177	.30032	.29930	.29981	.05737	-.00108
.599	1.941	-.00558	.29938	.29480	.29709	.05789	-.00176
.600	3.981	-.01028	.29972	.28457	.29214	.05731	-.00033
.599	5.965	-.01470	.29819	.26681	.28250	.05684	-.00187
.599	7.984	-.01901	.29573	.24282	.26928	.05446	-.00448
	GRADIENT	-.00206	-.00029	.00014	-.00007	-.00001	.00026

RUN NO. 227/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.800	-8.077	.03522	.35949	.31592	.33771	.05578	-.00106
.800	-6.062	.01604	.36162	.33805	.34983	.05662	-.00120
.800	-4.072	.01057	.36172	.35481	.35826	.05683	-.00268
.800	-2.060	.00543	.36080	.36525	.36303	.05724	-.00217
.799	-.073	-.00011	.36132	.36909	.36521	.05712	-.00085
.800	1.927	-.00481	.36095	.36515	.36305	.05659	-.00181
.799	3.932	-.00989	.36139	.35472	.35806	.05678	-.00052
.800	5.929	-.01495	.35924	.33922	.34923	.05608	-.00063
.800	7.929	-.01920	.35773	.31993	.33883	.05581	-.00242
	GRADIENT	-.00256	-.00002	-.00001	-.00002	-.00004	.00023

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (J4R011) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 229/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.899	-7.897	.01567	.42650	.38736	.40693	.05368	.00008
.900	-6.086	.01212	.42718	.40367	.41543	.05388	-.00050
.900	-4.101	.00871	.42777	.41966	.42371	.05487	-.00251
.900	-2.092	.00461	.42738	.42914	.42826	.05494	-.00228
.901	-.081	.00023	.42655	.43274	.42964	.05523	-.00081
.899	1.887	-.00288	.42775	.43014	.42895	.05440	-.00111
.901	3.925	-.00693	.42665	.41917	.42291	.05383	-.00043
.899	5.945	-.01112	.42595	.40611	.41603	.05455	-.00141
.900	7.885	-.01504	.42533	.38791	.40662	.05399	-.00318
	GRADIENT	-.00194	-.00009	-.00000	-.00005	-.00013	.00027

RUN NO. 231/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.100	-8.015	.02061	.61116	.57242	.59179	.04855	.00011
1.101	-6.085	.01588	.61271	.58926	.60099	.04847	-.00060
1.098	-4.054	.01112	.61204	.60259	.60731	.04921	-.00264
1.099	-2.065	.00603	.61042	.60973	.61008	.04984	-.00232
1.100	-.074	.00091	.61049	.61274	.61161	.04987	-.00081
1.100	1.900	-.00353	.60870	.60799	.60834	.04888	-.00092
1.100	3.893	-.00870	.60935	.59995	.60465	.04871	-.00031
1.100	5.922	-.01340	.60916	.58764	.59840	.04838	-.00144
1.102	7.904	-.01775	.60997	.57200	.59099	.04703	-.00318
	GRADIENT	-.00248	-.00036	-.00035	-.00036	-.00010	.00031

RUN NO. 519/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.250	-6.022	.02954	.67307	.65128	.66218	.04879	-.00175
1.250	-4.013	.00648	.67297	.66526	.66912	.04942	-.00273
1.250	-1.951	.00177	.67131	.67268	.67199	.04875	-.00216
1.251	-.031	-.00260	.67165	.67539	.67352	.04740	-.00179
1.250	2.024	-.00715	.67150	.67350	.67250	.04796	-.00124
1.250	4.028	-.02032	.67151	.66446	.66799	.04889	-.00094
1.250	5.958	-.01900	.67180	.65290	.66235	.04914	-.00226
	GRADIENT	-.00312	-.00014	-.00004	-.00009	-.00009	.00022

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (J4R011) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 233/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.400	-7.997	.01184	.69810	.65631	.67721	.04738	.00333
1.401	-6.100	.02866	.69659	.67061	.68360	.04823	-.00086
1.399	-4.098	.00867	.69769	.68418	.69093	.04986	-.00244
1.400	-2.044	.00443	.69556	.69132	.69344	.04963	-.00028
1.398	-.088	.00136	.69605	.69624	.69614	.04995	-.00118
1.397	1.912	-.00296	.69729	.69517	.69623	.05039	-.00114
1.397	3.906	-.00718	.69802	.68749	.69275	.04985	-.00105
1.397	5.905	-.01374	.69961	.67518	.68739	.04877	-.00163
1.399	7.909	-.01728	.69803	.65891	.67847	.04737	-.00207
	GRADIENT	-.00196	.00012	.00053	.00032	.00004	.00010

RUN NO. 235/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.450	-8.018	.02357	.69685	.65441	.67563	.04386	-.00023
1.451	-6.067	.01796	.69257	.66926	.68092	.04674	-.00220
1.452	-4.083	.01442	.69119	.67956	.68538	.05116	-.00209
1.450	-2.085	.00810	.68951	.68669	.68810	.05112	-.00091
1.450	-.085	.00421	.69212	.69123	.69168	.04930	-.00169
1.450	1.924	-.00447	.69354	.68996	.69175	.04905	-.00097
1.449	3.897	-.00725	.69479	.68451	.69965	.04878	-.00013
1.451	5.902	-.01436	.69492	.67250	.68371	.04805	-.00091
1.451	7.892	-.02010	.70004	.66080	.68042	.04763	-.00199
	GRADIENT	-.00280	.00056	.00066	.00061	-.00034	.00019

RUN NO. 237/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.499	-8.009	.01388	.70001	.65805	.67903	.05025	.00043
1.500	-6.131	.01963	.69847	.67304	.68575	.05042	-.00035
1.499	-4.070	.01448	.69503	.68408	.68955	.05002	-.00125
1.499	-2.078	.00732	.69442	.69158	.69300	.04895	-.00173
1.500	-.085	.00128	.69560	.69424	.69492	.04999	-.00109
1.500	1.920	-.00403	.69568	.69293	.69431	.05102	-.00170
1.500	3.913	-.01231	.69727	.68618	.69173	.04943	-.00118
1.499	5.916	-.01858	.70166	.67498	.68832	.04748	-.00002
1.500	7.925	-.02239	.70539	.66252	.68396	.04660	-.00106
	GRADIENT	-.00325	.00029	.00028	.00028	.00004	.00001

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (J4R011) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 239/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.548	-8.181	.00058	.70875	.65761	.68318	.04866	-.00399
1.551	-6.028	-.00132	.70320	.67159	.68739	.05079	-.00072
1.551	-4.004	.00310	.69723	.67964	.68843	.05245	.00154
1.551	-1.946	.00742	.69148	.68529	.68839	.05189	.00123
1.550	-.019	.00413	.69024	.68749	.68886	.04944	.00166
1.549	1.991	.00908	.69375	.68403	.68889	.04833	.00119
1.548	4.098	.01104	.70114	.68036	.69075	.04923	.00052
1.552	6.109	.01322	.70352	.67031	.68691	.05110	.00002
1.552	8.139	.01334	.70313	.65409	.67861	.05338	-.00022
	GRADIENT	.00088	.00051	.00000	.00026	-.00049	-.00010

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R012) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.952 BETA = .000
PHI = 180.000

RUN NO. 266/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.249	-7.989	.01895	403.86500	1.95104	369.80500	956.70000	1.42283	109.90000	180.00000	8.08600	179.86000
1.248	-6.070	.01436	404.59100	1.95360	370.88700	958.60000	1.42246	110.20000	180.00000	6.20400	179.86000
1.251	-4.042	.00905	404.88800	1.95320	369.30000	958.50000	1.42409	110.20000	180.00000	4.21500	179.86000
1.251	-2.065	.00408	404.45300	1.95185	369.20600	957.60000	1.42383	110.10000	180.00000	2.27500	179.86000
1.251	-.022	-.00150	404.06800	1.95024	369.11000	956.80000	1.42361	110.10000	180.00000	.27100	179.86000
1.249	1.921	-.00648	403.36500	1.94769	369.31500	955.50000	1.42285	110.10000	180.00000	-1.63700	179.86000
1.252	3.965	-.01178	404.17600	1.95063	368.61400	956.80000	1.42413	110.00000	180.00000	-3.64500	179.86000
1.249	5.928	-.01761	404.90300	1.95547	371.08200	959.30000	1.42254	110.10000	180.00000	-5.57200	179.86000
1.252	7.928	-.02333	405.14900	1.95441	369.49600	959.10000	1.42414	110.20000	180.00000	-7.53500	179.86000
	GRADIENT	-.00261	-.12503	-.00046	-.06348	-.27402	-.00004	-.02002	.00000	-.98156	.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (I4R012) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.952 BETA = .000
PHI = 180.000

RUN NO. 266/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.249	-7.989	.01895	1.38220	.48133	.86958	.63728	.63518	-.38825	.00210	-.38596	.00049
1.248	-6.070	.01436	1.39618	.52735	.82254	.65341	.65179	-.29519	.00161	-.29270	-.00037
1.251	-4.042	.00905	1.40925	.57633	.77202	.66594	.66672	-.19569	-.00077	-.19382	-.00306
1.251	-2.065	.00408	1.41098	.62525	.72210	.67374	.67588	-.09686	-.00214	-.09520	-.00429
1.251	-.022	-.00150	1.40660	.67351	.67143	.67482	.67956	.00208	-.00474	.00272	-.00697
1.249	1.921	-.00648	1.40722	.71945	.62387	.67023	.67745	.09558	-.00723	.09583	-.00952
1.252	3.965	-.01178	1.40371	.76820	.57411	.66043	.66819	.19409	-.00776	.19426	-.01016
1.249	5.928	-.01761	1.39056	.81666	.52666	.64729	.65727	.29000	-.00998	.28980	-.01308
1.252	7.928	-.02333	1.37511	.86368	.47698	.62865	.64276	.38670	-.01411	.38695	-.01673
	GRADIENT	-.00261	-.00074	.02390	-.02470	-.00073	.00022	.04860	-.00095	.04836	-.00097

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (J4R012) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.952 BETA = .000
PHI = 180.000

RUN NO. 266/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.249	-7.989	.01895	.67431	.63704	.65567	.04868	-.00016
1.248	-6.070	.01436	.67371	.65359	.66365	.04845	-.00103
1.251	-4.042	.00905	.67324	.66747	.67036	.04959	-.00100
1.251	-2.065	.00408	.67285	.67589	.67437	.04907	-.00079
1.251	-.022	-.00150	.67215	.67830	.67523	.04763	-.00161
1.249	1.921	-.00648	.67153	.67499	.67326	.04803	-.00065
1.252	3.965	-.01178	.67107	.66551	.66829	.04843	-.00074
1.249	5.928	-.01761	.67176	.65383	.66280	.04870	-.00185
1.252	7.928	-.02333	.67020	.63701	.65360	.04852	-.00181
	GRADIENT	-.00261	-.00028	-.00024	-.00026	-.00017	.00003

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (A4R013) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.951 BETA = .000
PHI = 180.000

RUN NO. 267/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-7.927	.01322	405.58600	1.95804	370.97600	960.60000	1.42319	110.10000	180.00000	-7.53400	-.04000
1.250	-4.043	.00412	403.19000	1.94597	368.72300	954.90000	1.42324	110.20000	180.00000	-3.72300	.02000
1.248	-.036	.00323	403.45100	1.94810	370.30400	956.10000	1.42205	110.30000	180.00000	.21000	.02000
	GRADIENT	-.00022	.06513	.00053	.39456	.29947	-.00030	.02496	.00000	.98152	-.00000

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (I4R013) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.951 BETA = .000
PHI = 180.000

RUN NO. 267/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.250	-7.927	.01322	1.38255	.48330	.86394	.64442	.63188	-.38064	.01253	-.37874	.00770
1.250	-4.043	.00412	1.40620	.57766	.76809	.66564	.66539	-.19042	.00025	-.18908	-.00293
1.248	-.036	.00323	1.41198	.68168	.67655	.67971	.68628	.00513	-.00656	.00470	-.01005
	GRADIENT	-.00022	.00144	.02596	-.02284	.00351	.00521	.04880	-.00170	.04836	-.00177

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (J4R013) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.951 BETA = .000
PHI = 180.000

RUN NO. 267/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.250	-7.927	.01322	.67267	.64057	.65662	.04895	-.00297
1.250	-4.043	.00412	.67220	.66711	.66965	.04860	-.00226
1.248	-.036	.00323	.67933	.68474	.68203	.04824	-.00153
	GRADIENT	-.00022	.00178	.00440	.00309	-.00009	.00018

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R014) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.023 BETA = .000
PHI = .000

RUN NO. 82/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.401	.029	-.00286	84.38740	1.02282	750.97100	838.80000	1.04076	70.10000	.00000	.29100	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (I4R014) (12 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.023 BETA = .000
PHI = .000

RUN NO. 82/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPAUT	CPBDT	DCPAT	DCPBT
.401	.029	-.00286	1.02333	.25267	.24926	.27003	.25430	.00341	.01573	-.01595	-.00766
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (J4R014) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.023 BETA = .000
PHI = .000

RUN NO. 82/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.401	.029	-.00286	.26064	.27387	.26725	.00000	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R015) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.001 BETA = .000
PHI = .000

RUN NO. 86/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.399	-.012	.00474	84.12780	1.00148	755.17100	842.70000	1.04041	79.30000	.00000	.29300	.02000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (I4R015) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.001 BETA = .000
PHI = .000

RUN NO. 86/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.399	-.012	.00474	1.02310	.25522	.24750	.26980	.25526	.00772	.01453	-.02060	-.00718
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (J4R015) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.001 BETA = .000
PHI = .000

RUN NO. 86/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.399	-.012	.00474	.26552	.27339	.26945	-.00000	-.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK +90 W/O FRNG,LOUVR FILL (A4R016) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.226 ALPHA = .000
PHI = 90.000

RUN NO. 89/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-8.386	-.07000	319.35500	2.47281	1271.97000	1621.00000	1.09292	110.70000	90.00000	-7.93000	90.01000
.601	-6.450	-.07185	321.13500	2.47964	1271.13000	1622.30000	1.09353	110.80000	90.00000	-6.01300	90.01000
.600	-4.432	-.07353	320.46400	2.47710	1271.75000	1622.10001	1.09326	110.80000	90.00000	-4.01800	90.01000
.601	-2.388	-.07433	321.21600	2.48095	1270.92999	1622.20000	1.09356	110.60000	90.00000	-2.00200	90.01000
.599	-.349	-.07628	319.77200	2.47429	1271.46001	1621.00000	1.09309	110.70000	90.00000	.00500	90.01000
.600	1.673	-.07983	319.92900	2.47507	1270.86000	1620.60001	1.09318	110.60000	90.00000	1.98800	90.01000
.600	3.654	-.08320	320.00800	2.47408	1270.56000	1620.39999	1.09322	110.80000	90.00000	3.93200	90.03000
.599	5.734	-.08379	319.50100	2.47314	1270.87000	1620.10001	1.09305	110.60000	90.00000	5.97500	90.03000
.600	7.767	-.08463	320.10500	2.47492	1271.06000	1621.00000	1.09320	110.80000	90.00000	7.97200	90.03000
	GRADIENT	-.00123	-.10892	-.00059	-.12099	-.24730	-.00002	-.00015	.00000	.98309	.00197

IA132(AEDC TF-505) TANK +90 W/O FRNG,LOUVR FILL (A4R016) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.226 ALPHA = .000
PHI = 90.000

RUN NO. 104/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.248	-8.452	.02027	403.47300	1.94675	370.20500	956.10000	1.42215	110.60000	90.00000	-7.91200	90.07000
1.251	-6.638	.02287	404.81500	1.95075	369.40000	958.40000	1.42395	110.70000	90.00000	-6.14100	90.07000
1.251	-4.476	.02773	405.30200	1.95390	370.18700	959.70000	1.42365	110.60000	90.00000	-4.03200	90.07000
1.251	-2.377	.02923	404.12500	1.94863	368.61500	956.70000	1.42409	110.40000	90.00000	-1.98500	90.07000
1.251	-.346	.02693	403.86400	1.94517	368.41900	956.10000	1.42405	110.90000	90.00000	-.00500	90.07000
1.252	1.715	.02213	404.05200	1.94551	368.02100	956.30000	1.42455	110.90000	90.00000	2.00500	90.07000
1.250	3.679	.02027	403.55300	1.94489	368.91700	955.70000	1.42336	110.80000	90.00000	3.92000	90.07000
1.247	5.775	.02032	402.90600	1.94478	370.01300	954.90000	1.42187	110.50000	90.00000	5.96500	90.07000
1.250	7.881	.01920	404.38100	1.94875	369.99800	957.80000	1.42307	110.90000	90.00000	8.02000	90.07000
	GRADIENT	-.00108	-.17560	-.00104	-.15579	-.41378	-.00000	.04416	.00000	.97509	.00000

IA132(AEDC TF-505) TANK +90 W/O FRNG,LOUVR FILL (I4R016) (16 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.226 ALPHA = .000
PHI = 90.000

RUN NO. 89/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-8.386	-.07000	1.04838	.22466	.24666	.06102	.52889	-.02200	-.46788	-.02447	-.47197
.601	-6.450	-.07185	1.07376	.25073	.26685	.11635	.47489	-.01611	-.35854	-.01906	-.36208
.600	-4.432	-.07353	1.08740	.27157	.28083	.17519	.42030	-.00926	-.24512	-.01110	-.24923
.601	-2.388	-.07433	1.08844	.28626	.28948	.23352	.36470	-.00322	-.13118	-.00723	-.13480
.599	-.349	-.07628	1.09187	.29376	.29285	.29208	.30748	.00092	-.01540	-.00299	-.01855
.600	1.673	-.07983	1.08976	.29387	.28672	.34924	.25035	.00715	.09889	.00317	.09412
.600	3.654	-.08320	1.08239	.28465	.27451	.40596	.19337	.01014	.21259	.00613	.20818
.599	5.734	-.08379	1.06530	.27011	.25508	.46326	.13456	.01504	.32870	.01129	.32386
.600	7.767	-.08463	1.03058	.24716	.23032	.51758	.07660	.01684	.44098	.01343	.43624
	GRADIENT	-.00123	-.00042	.00168	-.00075	.02853	-.02808	.00243	.05661	.00222	.05653

IA132(AEDC TF-505) TANK +90 W/O FRNG,LOUVR FILL (I4R016) (16 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.226 ALPHA = .000
PHI = 90.000

RUN NO. 104/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.248	-8.452	.02027	1.38672	.62615	.63890	.47138	.87128	-.01275	-.39990	-.00907	-.40351
1.251	-6.638	.02287	1.40178	.64283	.65173	.51383	.82903	-.00890	-.31520	-.00649	-.31760
1.251	-4.476	.02773	1.41539	.66121	.66333	.56699	.77797	-.00213	-.21099	.00022	-.21302
1.251	-2.377	.02923	1.41726	.67142	.66945	.61750	.73003	.00197	-.11253	.00485	-.11418
1.251	-.346	.02693	1.41535	.67674	.67129	.66649	.68182	.00544	-.01534	.00783	-.01713
1.252	1.715	.02213	1.41563	.67655	.66775	.71488	.63306	.00880	.08182	.01126	.07926
1.250	3.679	.02027	1.41269	.67186	.65864	.76188	.58666	.01322	.17522	.01537	.17208
1.247	5.775	.02032	1.39492	.65992	.64340	.81097	.53583	.01651	.27514	.01879	.27231
1.250	7.881	.01920	1.37457	.64430	.62575	.86313	.48651	.01855	.37662	.02103	.37343
	GRADIENT	-.00108	-.00034	.00131	-.00053	.02388	-.02351	.00184	.04738	.00180	.04723

IA132(AEDC TF-505) TANK +90 W/O FRNG,LOUVR FILL (J4R016) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.226 ALPHA = .000
PHI = 90.000

RUN NO. 89/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-8.386	-.07000	.23689	.29700	.26695	.00235	.05697
.601	-6.450	-.07185	.26027	.29739	.27883	.00368	.05635
.600	-4.432	-.07353	.27712	.29980	.28846	.00310	.05564
.601	-2.388	-.07433	.28988	.30093	.29540	.00147	.05682
.599	-.349	-.07628	.29526	.30136	.29831	.00293	.05616
.600	1.673	-.07983	.29228	.30218	.29723	.00219	.05670
.600	3.654	-.08320	.28158	.30187	.29173	.00191	.05697
.599	5.734	-.08379	.26446	.30134	.28290	.00202	.05507
.600	7.767	-.08463	.24044	.29946	.26995	.00056	.05539
	GRADIENT	-.00123	.00057	.00027	.00042	-.00008	.00013

IA132(AEDC TF-505) TANK +90 W/O FRNG,LOUVR FILL (J4R016) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.226 ALPHA = .000
PHI = 90.000

RUN NO. 104/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.248	-8.452	.02027	.63069	.67314	.65191	.00096	.04698
1.251	-6.638	.02287	.64608	.67263	.65936	.00235	.04808
1.251	-4.476	.02773	.66110	.67350	.66730	.00298	.04772
1.251	-2.377	.02923	.66900	.67459	.67180	.00165	.04738
1.251	-.346	.02693	.67282	.67505	.67394	.00144	.04739
1.252	1.715	.02213	.67092	.67525	.67309	.00197	.04678
1.250	3.679	.02027	.66417	.67584	.67001	.00199	.04762
1.247	5.775	.02032	.65052	.67481	.66267	.00129	.04796
1.250	7.881	.01920	.63379	.67641	.65510	.00095	.04806
	GRADIENT	-.00108	.00041	.00026	.00034	-.00008	-.00004

IA132(AEDC TF-505) TANK +90 W/O FRNG,LOUVR FILL (A4R017) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.481 ALPHA = .000
PHI = 90.000

RUN NO. 217/ 0 RN/L = 2.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-8.436	.00750	320.23800	2.47989	1273.05000	1623.10001	1.09309	110.30000	90.00000	-8.01000	90.06000
.600	-6.351	.00489	320.57300	2.48116	1272.74001	1623.20000	1.09323	110.30000	90.00000	-5.95200	90.06000
.601	-4.396	.00297	321.42300	2.48420	1272.42000	1623.89999	1.09351	110.40000	90.00000	-4.02300	90.06000
.601	-2.326	.00165	321.33000	2.48354	1272.13000	1623.50000	1.09349	110.40000	90.00000	-1.98200	90.06000
.600	-.324	-.00098	321.08000	2.48266	1272.42999	1623.50000	1.09340	110.40000	90.00000	-.00900	90.06000
.600	1.738	.00022	320.48100	2.47995	1272.45000	1622.80000	1.09320	110.40000	90.00000	2.02100	90.06000
.599	3.734	-.00156	319.63300	2.47590	1272.86000	1622.20000	1.09291	110.50000	90.00000	3.98900	90.06000
.600	5.772	-.00393	320.40000	2.47975	1272.64999	1622.89999	1.09316	110.40000	90.00000	6.00000	90.06000
.599	7.795	-.00701	320.05700	2.47820	1272.64999	1622.50000	1.09309	110.40000	90.00000	7.99600	90.07000
	GRADIENT	-.00051	-.21766	-.00099	.05874	-.00173	-.00007	.00980	.00000	.98542	-.00000

IA132(AEDC TF-505) TANK +90 W/O FRNG,LOUVR FILL (I4R017) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.481 ALPHA = .000
PHI = 90.000

RUN NO. 217/ 0 RN/L = 2.48 GRADIENT INTERVAL = =5.00/ 5.00

MACH	BETA	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-8.436	.00750	1.04520	.22677	.25006	.05613	.53081	-.02329	-.47468	-.01551	-.47398
.600	-6.351	.00489	1.07516	.25465	.27324	.11582	.47561	-.01858	-.35979	-.01075	-.35978
.601	-4.396	.00297	1.08636	.27457	.28575	.17256	.42059	-.01119	-.24803	-.00338	-.24788
.601	-2.326	.00165	1.09090	.28903	.29508	.23148	.36310	-.00605	-.13163	.00038	-.13149
.600	-.324	-.00098	1.09126	.29648	.29777	.28945	.30562	-.00129	-.01617	.00531	-.01584
.600	1.738	.00022	1.09074	.29707	.29064	.34779	.24754	.00644	.10025	.01312	.09944
.599	3.734	-.00156	1.08647	.29008	.28079	.40664	.19103	.00929	.21561	.01586	.21445
.600	5.772	-.00393	1.06501	.27436	.25828	.46244	.13309	.01608	.32935	.02266	.32784
.599	7.795	-.00701	1.03488	.25146	.23488	.51921	.07461	.01658	.44461	.02323	.44258
	GRADIENT	-.00051	.00001	.00193	-.00070	.02876	-.02828	.00263	.05703	.00252	.05686

IA132(AEDC TF-505) TANK +90 W/O FRNG,LOUVR FILL (J4R017) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.481 ALPHA = .000
PHI = 90.000

RUN NO. 217/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-8.436	.00750	.23453	.29312	.26382	.00174	.05399
.600	-6.351	.00489	.26003	.29571	.27787	.00338	.05636
.601	-4.396	.00297	.27626	.29650	.28638	.00299	.05676
.601	-2.326	.00165	.28884	.29722	.29303	.00154	.05712
.600	-.324	-.00098	.29382	.29737	.29560	.00371	.05679
.600	1.738	.00022	.29052	.29807	.29429	.00233	.05677
.599	3.734	-.00156	.28215	.29941	.29078	.00236	.05682
.600	5.772	-.00393	.26303	.29852	.28077	.00230	.05575
.599	7.795	-.00701	.23985	.29792	.26888	-.00073	.05718
	GRADIENT	-.00051	.00067	.00033	.00050	-.00002	-.00001

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (A4R018) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.212 ALPHA = .000
PHI = -90.000

RUN NO. 90/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-7.782	-.08176	320.47100	2.47738	1272.05000	1622.39999	1.09323	110.80000	-90.00000	7.99100	-90.03000
.601	-5.775	-.08206	321.87200	2.48473	1273.31000	1625.30000	1.09357	110.80000	-90.00000	6.02100	-90.03000
.600	-3.672	-.08245	321.04300	2.48197	1274.53000	1625.50000	1.09322	110.80000	-90.00000	3.95600	-90.03000
.600	-1.693	-.08205	321.03900	2.48234	1274.33000	1625.30000	1.09320	110.70000	-90.00000	2.01200	-90.03000
.600	.344	-.08302	320.65400	2.47860	1272.53999	1623.10001	1.09327	110.80000	-90.00000	.01100	-90.03000
.599	2.383	-.08307	319.58200	2.47334	1270.67000	1620.00000	1.09308	110.60000	-90.00000	-1.99800	-90.03000
.600	4.392	-.08357	320.21900	2.47695	1272.25000	1622.30000	1.09316	110.70000	-90.00000	-3.97900	-90.03000
.600	6.411	-.08323	319.94300	2.47208	1267.77000	1617.60001	1.09341	110.70000	-90.00000	-5.97200	-90.04000
.600	8.497	-.08373	318.51000	2.46345	1265.11000	1613.30000	1.09318	110.70000	-90.00000	-8.03400	-90.04000
	GRADIENT	-.00016	-.15404	-.00094	-.40754	-.58019	-.00001	-.01485	.00000	-.98398	-.00000

RUN NO. 105/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-7.904	.01593	403.88000	1.94676	369.50800	956.60000	1.42310	110.80000	-90.00000	8.01500	-90.04000
1.248	-5.846	.01593	403.05200	1.94426	369.81300	955.10000	1.42216	110.70000	-90.00000	6.00800	-90.04000
1.250	-3.759	.01641	403.67000	1.94574	369.31200	956.10000	1.42310	110.80000	-90.00000	3.97200	-90.04000
1.250	-1.766	.01955	403.86500	1.94676	369.11200	956.40000	1.42344	110.70000	-90.00000	2.02800	-90.03000
1.250	.317	.02216	404.15600	1.94684	369.40600	957.10000	1.42341	111.00000	-90.00000	-.00500	-90.02000
1.251	2.350	.02276	404.61300	1.94952	369.40200	958.00000	1.42378	110.80000	-90.00000	-1.98700	-90.02000
1.253	4.447	.02383	405.01600	1.95042	368.70500	958.50000	1.42473	110.80000	-90.00000	-4.03300	-90.02000
1.251	6.432	.02422	404.83100	1.95211	369.79600	958.60000	1.42361	110.50000	-90.00000	-5.96800	-90.02000
1.252	8.476	.02116	405.15500	1.95170	369.00100	958.90000	1.42458	110.70000	-90.00000	-7.96000	-90.02000
	GRADIENT	.00088	.16771	.00059	-.04525	.31193	.00018	.00494	.00000	-.97550	.00243

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (I4R018) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.212 ALPHA = .000
PHI = -90.000

RUN NO. 90/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.600	-7.782	-.08176	1.05328	.23614	.24368	.07132	.51836	-.00754	-.44704	-.00936	-.45165
.601	-5.775	-.08206	1.07471	.25963	.26380	.12838	.46451	-.00418	-.33613	-.00743	-.33955
.600	-3.672	-.08245	1.08787	.27934	.27861	.18822	.40783	.00073	-.21961	-.00252	-.22191
.600	-1.693	-.08205	1.08926	.29130	.28791	.24569	.35283	.00339	-.10713	.00017	-.11008
.600	.344	-.08302	1.08835	.29725	.28825	.30311	.29447	.00900	.00864	.00569	.00538
.599	2.383	-.08307	1.08539	.29383	.28043	.36026	.23708	.01340	.12318	.01037	.12058
.600	4.392	-.08357	1.08664	.28721	.26833	.42147	.18161	.01888	.23986	.01545	.23645
.600	6.411	-.08323	1.06403	.27060	.24543	.47654	.12244	.02516	.35410	.02258	.35048
.600	8.497	-.08373	1.02288	.24806	.21747	.53091	.06247	.03060	.46844	.02755	.46378
	GRADIENT	-.00016	-.00031	.00090	-.00139	.02876	-.02812	.00229	.05688	.00228	.05679

RUN NO. 105/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.250	-7.904	.01593	1.38594	.63040	.63618	.47883	.86259	-.00578	-.38372	-.00223	-.38652
1.248	-5.846	.01593	1.40475	.65026	.65417	.52997	.81607	-.00391	-.28610	-.00074	-.28847
1.250	-3.759	.01641	1.41605	.66485	.66453	.58006	.76623	.00032	-.18617	.00361	-.18664
1.250	-1.766	.01955	1.41630	.67366	.67079	.62798	.71999	.00287	-.09201	.00671	-.09230
1.250	.317	.02216	1.41467	.67744	.67097	.67700	.67156	.00647	.00544	.00970	.00442
1.251	2.350	.02276	1.41746	.67592	.66739	.72693	.62384	.00853	.10309	.01221	.10205
1.253	4.447	.02383	1.41042	.66766	.65577	.77519	.57199	.01189	.20320	.01514	.20187
1.251	6.432	.02422	1.39706	.65862	.64168	.82486	.52493	.01694	.29932	.02045	.29716
1.252	8.476	.02116	1.37162	.64152	.62004	.86962	.47449	.02148	.39513	.02543	.39255
	GRADIENT	.00088	-.00050	.00037	-.00103	.02383	-.02361	.00140	.04744	.00139	.04732

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (J4R018) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.212 ALPHA = .000
PHI = -90.000

RUN NO. 90/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.600	-7.782	-.08176	.24082	.29715	.26899	.00050	.05589
.601	-5.775	-.08206	.26333	.29815	.28074	.00188	.05584
.600	-3.672	-.08245	.28060	.29917	.28989	.00181	.05619
.600	-1.693	-.08205	.29122	.30073	.29597	.00190	.05673
.600	.344	-.08302	.29441	.30042	.29741	.00275	.05642
.599	2.383	-.08307	.28865	.29997	.29431	.00212	.05716
.600	4.392	-.08357	.27949	.30324	.29137	.00323	.05751
.600	6.411	-.08323	.25931	.30130	.28030	.00314	.05527
.600	8.497	-.08373	.23428	.29902	.26665	.00201	.05384
	GRADIENT	-.00016	-.00024	.00036	.00006	.00015	.00015

RUN NO. 105/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.250	-7.904	.01593	.63152	.67212	.65182	.00032	.04726
1.248	-5.846	.01593	.65063	.67420	.66242	.00152	.04841
1.250	-3.759	.01641	.66305	.67338	.66821	.00199	.04839
1.250	-1.766	.01955	.67031	.67413	.67222	.00140	.04642
1.250	.317	.02216	.67259	.67479	.67369	.00138	.04726
1.251	2.350	.02276	.66981	.67591	.67286	.00110	.04795
1.253	4.447	.02383	.66009	.67426	.66718	.00211	.04785
1.251	6.432	.02422	.64839	.67627	.66233	.00274	.04749
1.252	8.476	.02116	.62880	.67334	.65107	.00229	.04624
	GRADIENT	.00088	-.00032	.00017	-.00008	-.00000	.00002

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (A4R019) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.480 ALPHA = .000
PHI = -90.000

RUN NO. 218/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-7.802	-.00612	320.61700	2.48179	1274.64000	1625.10001	1.09308	110.50000	-90.00000	8.00400	-90.05000
.600	-5.775	-.00492	320.59900	2.48105	1273.84000	1624.30000	1.09314	110.50000	-90.00000	6.00400	-90.05000
.599	-3.738	-.00270	319.73700	2.47701	1273.66000	1623.10001	1.09290	110.50000	-90.00000	3.99500	-90.05000
.599	-1.712	-.00058	320.15200	2.47840	1273.05000	1623.00000	1.09304	110.50000	-90.00000	1.99800	-90.05000
.600	.325	.00028	320.92500	2.48197	1273.13000	1624.00000	1.09331	110.50000	-90.00000	-.00800	-90.05000
.600	2.317	.00349	320.99700	2.48181	1272.53000	1623.50000	1.09337	110.50000	-90.00000	-1.97000	-90.05000
.600	4.385	.00543	320.57100	2.47997	1272.64000	1623.10001	1.09324	110.50000	-90.00000	-4.01000	-90.05000
.600	6.370	.00801	320.30900	2.47918	1272.45000	1622.60001	1.09316	110.40000	-90.00000	-5.96800	-90.05000
.600	8.425	.01070	320.22800	2.47842	1272.64999	1622.70000	1.09313	110.50000	-90.00000	-7.99700	-90.05000
	GRADIENT	.00100	.12371	.00046	-.12603	.02461	.00005	.00000	-.00000	-.98533	-.00000

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (14R019) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.480 ALPHA = .000
PHI = -90.000

RUN NO. 218/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-7.802	-.00612	1.05140	.24136	.24696	.06935	.51700	-.00560	-.44765	.00003	-.45074
.600	-5.775	-.00492	1.07666	.26506	.26986	.12800	.46413	-.00480	-.33613	.00099	-.33818
.599	-3.738	-.00270	1.09166	.28505	.28418	.18632	.40932	.00087	-.22300	.00642	-.22428
.599	-1.712	-.00058	1.09421	.29696	.29271	.24450	.35075	.00425	-.10625	.01007	-.10740
.600	.325	.00028	1.09147	.30160	.29320	.30161	.29282	.00840	.00878	.01418	.00652
.600	2.317	.00349	1.08887	.29890	.28643	.35894	.23494	.01247	.12400	.01828	.12237
.600	4.385	.00543	1.08052	.28905	.27117	.41818	.17713	.01789	.24105	.02413	.23914
.600	6.370	.00801	1.06057	.27459	.24935	.47539	.12027	.02523	.35512	.03138	.35250
.600	8.425	.01070	1.02425	.25211	.22606	.52876	.06242	.02605	.46634	.03233	.46272
	GRADIENT	.00100	-.00136	.00049	-.00160	.02852	-.02861	.00208	.05713	.00215	.05704

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (J4R019) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.480 ALPHA = .000
PHI = -90.000

RUN NO. 218/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-7.802	-.00612	.24134	.29472	.26803	-.00019	.05559
.600	-5.775	-.00492	.26457	.29709	.28083	.00178	.05538
.599	-3.738	-.00270	.28183	.29846	.29014	.00247	.05721
.599	-1.712	-.00058	.29192	.29820	.29506	.00173	.05667
.600	.325	.00028	.29451	.29834	.29643	.00207	.05704
.600	2.317	.00349	.28976	.29776	.29376	.00221	.05749
.600	4.385	.00543	.27699	.29861	.28780	.00375	.05690
.600	6.370	.00801	.25890	.29913	.27902	.00228	.05572
.600	8.425	.01070	.23594	.29740	.26667	-.00045	.05259
	GRADIENT	.00100	-.00059	-.00001	-.00030	.00015	.00001

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (A4R020) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.479 ALPHA = .000
PHI = -90.000

RUN NO. 219/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-7.797	-.00681	321.30800	2.48395	1274.82001	1626.10001	1.09325	110.70000	-90.00000	8.00000	-90.05000
.600	-5.777	-.00513	321.36000	2.48362	1273.42000	1624.80000	1.09342	110.60000	-90.00000	6.00800	-90.05000
.601	-3.749	-.00318	321.76000	2.48390	1272.22000	1624.10001	1.09361	110.70000	-90.00000	4.00800	-90.05000
.600	-1.710	-.00085	320.73500	2.47936	1272.34000	1623.00000	1.09330	110.70000	-90.00000	1.99900	-90.05000
.599	.324	.00112	319.77000	2.47531	1271.36000	1620.89999	1.09310	110.50000	-90.00000	-.00400	-90.05000
.600	2.346	.00452	319.92700	2.47443	1270.75999	1620.50000	1.09319	110.70000	-90.00000	-1.99700	-90.05000
.599	4.391	.00634	319.49000	2.47268	1270.37000	1619.60001	1.09309	110.60000	-90.00000	-4.01400	-90.05000
.600	6.413	.00806	320.96300	2.48176	1274.73000	1625.60001	1.09318	110.80000	-90.00000	-6.01000	-90.05000
.600	6.840	.00894	320.68700	2.48043	1273.94000	1624.50000	1.09315	110.70000	-90.00000	-6.43700	-90.05000
.599	8.418	.01023	320.18900	2.47820	1274.64999	1624.60001	1.09295	110.80000	-90.00000	-7.99000	-90.05000
	GRADIENT	.00120	-.26306	-.00135	-.25958	-.56554	-.00006	-.00986	.00000	-.98544	-.00000

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (I4R020) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.479 ALPHA = .000
PHI = -90.000

RUN NO. 219/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.600	-7.797	-.00681	1.05077	.24126	.24721	.06926	.51714	-.00595	-.44787	-.00049	-.45113
.600	-5.777	-.00513	1.07683	.26503	.27028	.12856	.46472	-.00519	-.33616	.00053	-.33923
.601	-3.749	-.00318	1.08759	.28379	.28337	.18608	.40820	.00042	-.22212	.00573	-.22500
.600	-1.710	-.00085	1.09163	.29746	.29278	.24395	.34996	.00468	-.10601	.01025	-.10936
.599	.324	.00112	1.09405	.30287	.29452	.30298	.29175	.00835	.01123	.01373	.00677
.600	2.346	.00452	1.09178	.30127	.28619	.36033	.23560	.01507	.12473	.02049	.12083
.599	4.391	.00634	1.08250	.29067	.27521	.42006	.17684	.01546	.24322	.02085	.23949
.600	6.413	.00806	1.06005	.27531	.24985	.47665	.11992	.02546	.35673	.03082	.35378
.600	6.840	.00894	1.05968	.27601	.24967	.47536	.12001	.02634	.35534	.03183	.35166
.599	8.418	.01023	1.02659	.25366	.22358	.53045	.06266	.03007	.46779	.03490	.46428
	GRADIENT	.00120	-.00049	.00086	-.00113	.02873	-.02838	.00199	.05711	.00199	.05700

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (J4R020) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.479 ALPHA = .000
PHI = -90.000

RUN NO. 219/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.600	-7.797	-.00681	.24150	.29483	.26816	-.00005	.05518
.600	-5.777	-.00513	.26482	.29818	.28150	.00161	.05582
.601	-3.749	-.00318	.28092	.29858	.28975	.00282	.05662
.600	-1.710	-.00085	.29233	.29863	.29548	.00145	.05681
.599	.324	.00112	.29601	.29960	.29780	.00313	.05759
.600	2.346	.00452	.29102	.29991	.29547	.00118	.05326
.599	4.391	.00634	.28024	.30032	.29028	.00276	.07272
.600	6.413	.00806	.25990	.29976	.27983	.00318	-.00014
.600	6.840	.00894	.26009	.29953	.27981	.00197	.00591
.599	8.418	.01023	.23621	.29831	.26726	.00193	.10409
	GRADIENT	.00120	-.00013	.00023	.00005	-.00002	.00141

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (A4R021) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.826 BETA = .000
PHI = .000

RUN NO. 117/ 0 RN/L = 3.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.601	-8.488	-.03730	494.77200	3.82579	1957.74001	2498.79999	1.09353	110.10000	.00000	-8.00200	.01000
.601	-6.443	-.03852	494.90300	3.82693	1959.53000	2500.70001	1.09347	110.20000	.00000	-5.99100	.01000
.599	-4.427	-.03963	493.51700	3.82570	1962.55000	2502.00000	1.09305	109.90000	.00000	-4.01100	.01000
.599	-2.359	-.04179	492.92100	3.82488	1962.77000	2501.50000	1.09291	109.70000	.00000	-1.98200	.01000
.600	-.310	-.04042	494.01700	3.82380	1958.46001	2498.60001	1.09334	110.00000	.00000	.02400	.02000
.600	1.744	-.04360	494.32700	3.82775	1960.53999	2501.00000	1.09330	109.90000	.00000	2.03400	.02000
.600	3.764	-.04541	493.95400	3.82792	1962.84000	2502.79999	1.09314	109.90000	.00000	4.01200	.02000
	GRADIENT	-.00065	.11139	.00036	-.08197	.05241	.00003	.00975	.00000	.97940	.00147

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (I4R021) (12 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.826 BETA = .000
PHI = .000

RUN NO. 117/ 0 RN/L = 3.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.601	-8.488	-.03730	1.03957	.07055	.52265	.24674	.23974	-.45211	.00700	-.45124	.00744
.601	-6.443	-.03852	1.07057	.12933	.46860	.26932	.26643	-.33927	.00288	-.33804	.00340
.599	-4.427	-.03963	1.08300	.18592	.41367	.28463	.28603	-.22775	-.00140	-.22607	-.00069
.599	-2.359	-.04179	1.08914	.24481	.35470	.29408	.30017	-.10988	-.00610	-.10757	-.00476
.600	-.310	-.04042	1.08521	.30175	.29503	.29532	.30472	.00672	-.00941	.00835	-.00803
.600	1.744	-.04360	1.08610	.36164	.23597	.29084	.30379	.12567	-.01295	.12739	-.01166
.600	3.764	-.04541	1.08002	.41894	.17982	.27768	.29452	.23911	-.01684	.24072	-.01545
	GRADIENT	-.00065	-.00044	.02845	-.02863	-.00083	.00101	.05708	-.00184	.05705	-.00178

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (J4R021) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.826 BETA = .000
PHI = .000

RUN NO. 117/ 0 RN/L = 3.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.601	-8.488	-.03730	.29617	.24302	.26960	.05545	-.00196
.601	-6.443	-.03852	.29835	.26761	.28298	.05515	-.00200
.599	-4.427	-.03963	.29895	.28497	.29196	.05661	-.00206
.599	-2.359	-.04179	.29860	.29645	.29753	.05694	-.00175
.600	-.310	-.04042	.29758	.29933	.29845	.05733	-.00162
.600	1.744	-.04360	.29795	.29668	.29731	.05733	-.00186
.600	3.764	-.04541	.29858	.28541	.29199	.05549	-.00188
	GRADIENT	-.00065	-.00007	.00006	-.00000	-.00009	.00001

IA132(AEDC TF-505) TANK W/O FRNG, LOUVR FILL (A4R222) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.229 ALPHA = .000
BETA = .000

RUN NO. 91/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
.600	-179.960	.00000	320.95100	2.48630	1274.23000	1625.10001	1.09322	109.90000	-.06960	.29200	-179.96000
.600	-135.000	.00000	320.20000	2.48120	1271.45000	1621.50000	1.09319	109.80000	-.06598	.29300	-135.00000
.600	-90.010	.00000	320.56200	2.48293	1272.24001	1622.70000	1.09327	109.90000	-.06255	.29300	-90.01000
.599	-45.030	.00000	319.89500	2.48056	1273.06000	1622.70000	1.09298	109.90000	-.06325	.29400	-45.03000
.600	.040	.00000	320.31900	2.48231	1272.85001	1623.00000	1.09313	109.90000	-.06308	.29400	.04000
.600	45.040	.00000	320.59200	2.48356	1273.53999	1624.00000	1.09317	110.00000	-.06102	.29400	45.04000
.600	90.060	.00000	320.67800	2.48339	1273.53999	1624.10001	1.09318	110.10000	-.05805	.29400	90.06000
.600	135.080	.00000	320.50600	2.48151	1273.53999	1623.89999	1.09315	110.30000	-.05805	.29300	135.08000
.600	179.900	.00000	320.71200	2.48122	1271.34000	1622.00000	1.09338	110.20000	-.05584	.29300	179.90000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 106/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.248	-179.990	.00000	403.24000	1.94529	370.10800	955.60000	1.42206	110.70000	.02160	.29100	-179.99000
1.250	-135.030	.00000	403.24900	1.94460	368.92000	955.10000	1.42311	110.60000	.01570	.29200	-135.03000
1.249	-90.050	.00000	404.99100	1.95317	370.68500	959.30000	1.42296	110.60000	.01695	.29200	-90.05000
1.250	-45.040	.00000	404.54800	1.94911	369.69900	958.00000	1.42347	110.90000	.01215	.29100	-45.04000
1.250	.080	.00000	404.41700	1.94850	369.60200	957.70000	1.42345	110.90000	.01082	.29200	.08000
1.250	45.050	.00000	404.19200	1.94817	369.70300	957.30000	1.42318	110.80000	.01110	.29100	45.05000
1.250	90.010	.00000	404.15600	1.94774	369.40600	957.10000	1.42341	110.80000	.01502	.29200	90.01000
1.250	135.030	.00000	403.69100	1.94707	369.21300	956.10000	1.42321	110.50000	.01755	.29000	135.03000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK W/O FRNG, LOUVR FILL (I4R022) (16 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.229 ALPHA = .000
BETA = .000

RUN NO. 91/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.600	-.070	-179.96000	1.09230	.29462	.29708	.30062	.30690	-.00246	-.00628	-.00083	-.00476
.600	-.066	-135.00000	1.09301	.29637	.29464	.29855	.30824	.00172	-.00968	.00179	-.00953
.600	-.063	-90.01000	1.08905	.29721	.28881	.29452	.30319	.00839	-.00867	.00543	-.01167
.599	-.063	-45.03000	1.08832	.29624	.28550	.29405	.29866	.01074	-.00461	.00452	-.01057
.600	-.063	.04000	1.08691	.29474	.28251	.29682	.29602	.01223	.00080	.00454	-.00637
.600	-.061	45.04000	1.08719	.29273	.28396	.29883	.29705	.00876	.00178	.00242	-.00406
.600	-.058	90.06000	1.09006	.29476	.29223	.30029	.29761	.00254	.00268	-.00049	-.00136
.600	-.058	135.08000	1.09319	.29467	.29701	.30140	.30369	-.00234	-.00229	-.00173	-.00250
.600	-.056	179.90000	1.09228	.29565	.29702	.30023	.30791	-.00137	-.00767	.00045	-.00609
	GRADIENT27611.82178		.00311	-.03862	.10382	.15591	-.21339	-.14239	.36937	-.12937	.32382

RUN NO. 106/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.248	.022	-179.99000	1.41694	.67743	.67701	.67611	.68100	.00041	-.00490	.00749	-.00242
1.250	.016	-135.03000	1.41594	.67815	.67620	.67453	.68066	.00196	-.00613	.00882	-.00368
1.249	.017	-90.05000	1.41399	.67815	.67221	.67032	.67822	.00593	-.00790	.01057	-.00818
1.250	.012	-45.04000	1.41239	.67654	.66918	.66783	.67662	.00737	-.00879	.00896	-.01122
1.250	.011	.08000	1.41096	.67611	.66500	.66931	.67444	.01111	-.00512	.01126	-.00909
1.250	.011	45.05000	1.41112	.67662	.66666	.67032	.67461	.00995	-.00429	.01133	-.00720
1.250	.015	90.01000	1.41436	.67834	.67110	.67343	.67536	.00724	-.00193	.01008	-.00239
1.250	.018	135.03000	1.41535	.67936	.67457	.67521	.67732	.00479	-.00211	.01107	-.00123
	GRADIENT**********		.55591	.18824	1.06842	.66635	.55783	-.88019	.10853	-.22121	.68822

IA132(AEDC TF-505) TANK W/O FRNG, LOUVR FILL (J4R022) (16 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.229 ALPHA = .000
BETA = .000

RUN NO. 91/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.600	-.070	-179.96000	.29503	.30299	.29901	.00004	-.00012
.600	-.066	-135.00000	.29547	.30331	.29939	.00009	-.00008
.600	-.063	-90.01000	.29449	.30035	.29742	.00003	-.00002
.599	-.063	-45.03000	.29398	.29933	.29665	-.00002	.00007
.600	-.063	.04000	.29246	.30000	.29623	-.00001	.00008
.600	-.061	45.04000	.29151	.30087	.29619	-.00007	.00006
.600	-.058	90.06000	.29501	.30096	.29799	-.00006	.00003
.600	-.058	135.08000	.29553	.30265	.29909	.00001	-.00006
.600	-.056	179.90000	.29542	.30328	.29935	.00007	-.00009
	GRADIENT27611.82178		.02610	-.00595	.01005	-.00332	.00300

IA132(AEDC TF-505) TANK W/O FRNG, LOUVR FILL (J4R022) (16 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.229 ALPHA = .000
BETA = .000

RUN NO. 106/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.248	.022	-179.99000	.67368	.67731	.67550	.00002	-.00001
1.250	.016	-135.03000	.67375	.67637	.67506	.00005	-.00007
1.249	.017	-90.05000	.67287	.67441	.67364	-.00001	-.00011
1.250	.012	-45.04000	.67206	.67344	.67275	.00000	.00000
1.250	.011	.08000	.67048	.67386	.67217	.00005	.00005
1.250	.011	45.05000	.67095	.67392	.67244	-.00003	.00008
1.250	.015	90.01000	.67330	.67463	.67396	-.00001	.00008
1.250	.018	135.03000	.67383	.67583	.67483	.00004	-.00000
	GRADIENT	**********	.29884	.32225	.31054	.00149	-.00873

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R025) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 447/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-5.960	-5.98274	322.19800	2.50286	1283.57001	1635.70000	1.09290	109.30000	.00000	8.58600	-134.71000
.599	-3.956	-5.99300	322.32500	2.50246	1281.67999	1634.00000	1.09303	109.20000	.00000	7.34400	-123.28000
.601	-1.956	-5.94485	323.22700	2.50461	1279.96001	1633.39999	1.09347	109.30000	.00000	6.43900	-108.12000
.599	-.006	-6.00240	321.84100	2.49945	1279.28999	1631.10001	1.09312	109.00000	.00000	6.18900	-90.05000
.599	2.003	-6.02801	322.33600	2.50292	1282.17000	1634.50000	1.09305	109.20000	.00000	6.53200	-71.71000
.599	3.997	-6.01630	322.80400	2.50697	1283.86000	1636.70000	1.09305	109.10000	.00000	7.38600	-56.55000
.599	6.009	-6.00397	322.81100	2.50780	1284.16000	1637.00000	1.09302	109.00000	.00000	8.63500	-45.15000
	GRADIENT	-.00651	.00405	.00037	.33185	.32910	-.00002	-.01497	.00000	.00924	8.55003

RUN NO. 439/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.799	-6.015	-5.99754	322.42800	2.00269	720.92900	1098.20000	1.17009	109.30000	.00000	8.62800	-134.91000
.799	-4.033	-6.04108	322.24000	2.00090	720.33400	1097.39999	1.17014	109.40000	.00000	7.42000	-123.58000
.799	-1.989	-6.02091	322.32200	2.00087	720.43200	1097.60001	1.17016	109.50000	.00000	6.51600	-108.18000
.799	.009	-5.97552	322.46500	2.00117	721.52700	1098.80000	1.16997	109.80000	.00000	6.15800	-89.91000
.799	2.019	-6.07842	322.65200	2.00341	722.12200	1099.60001	1.16992	109.60000	.00000	6.57900	-71.72000
.799	3.984	-5.96867	322.67800	2.00227	721.32300	1098.89999	1.17014	109.70000	.00000	7.33400	-56.42000
.799	6.039	-6.04684	321.42100	1.99430	719.25300	1095.30000	1.16995	109.90000	.00000	8.68000	-45.21000
	GRADIENT	.00433	.06020	.00026	.18358	.25002	-.00001	.03499	.00000	-.00648	8.52098

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R025) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 480/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.968	-5.97754	349.87600	1.99958	616.43700	1043.10001	1.21947	110.50000	.00000	8.56200	-134.78000
.900	-3.970	-5.99599	349.73300	1.99840	617.13800	1043.50000	1.21911	110.80000	.00000	7.33200	-123.36000
.901	-1.964	-5.95427	350.14400	1.99916	616.33100	1043.39999	1.21970	110.80000	.00000	6.43100	-108.15000
.900	.006	-5.98293	349.41700	1.99677	616.74500	1042.70000	1.21904	110.80000	.00000	6.15200	-89.91000
.900	1.998	-5.98953	349.38000	1.99621	616.34700	1042.30000	1.21917	110.80000	.00000	6.47600	-71.61000
.900	4.022	-6.01380	349.38000	1.99621	616.34700	1042.30000	1.21917	110.80000	.00000	7.37700	-56.34000
.900	6.019	-6.01892	349.09200	1.99500	616.25300	1041.80000	1.21901	110.80000	.00000	8.62900	-45.14000
	GRADIENT	-.00355	-.07347	-.00037	-.07862	-.17523	-.00002	.00000	.00000	.00719	8.55050

RUN NO. 428/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-5.970	-5.96947	373.00400	1.90331	440.12100	940.10000	1.33768	110.10000	.00000	8.52600	-134.85000
1.100	-3.986	-6.00142	371.00500	1.89364	438.26100	935.40000	1.33729	110.10000	.00000	7.31800	-123.46000
1.099	-2.014	-6.02855	372.10900	1.89990	439.73600	938.30003	1.33716	110.00000	.00000	6.49100	-108.39000
1.100	-.007	-5.93498	371.66500	1.89778	438.94800	937.00000	1.33736	109.90000	.00000	6.08100	-90.060[illegible]
1.100	2.028	-6.03390	371.51000	1.89697	438.75100	936.60000	1.33737	109.90000	.00000	6.50100	-71.500[illegible]
1.099	4.012	-6.01972	371.41000	1.89658	439.15000	936.70000	1.33697	110.00000	.00000	7.34700	-56.43000
1.099	6.029	-6.02159	370.84700	1.89476	438.66100	935.40000	1.33684	109.80000	.00000	8.60400	-45.10000
	GRADIENT	-.00212	.01004	.00014	.03889	.04361	-.00002	-.01494	.00000	.00380	8.53308

RUN NO. 358/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.251	-5.963	-5.96759	403.93000	1.94717	368.81500	956.40000	1.42375	110.60000	.00000	8.51700	-134.84000
1.249	-3.947	-5.98922	403.63300	1.94599	369.70800	956.20000	1.42273	110.80000	.00000	7.28400	-123.27000
1.251	-1.963	-5.96033	403.61800	1.94485	368.62000	955.70000	1.42367	110.80000	.00000	6.40900	-108.16000
1.250	.002	-5.98157	403.11100	1.94287	368.62500	954.70000	1.42326	110.80000	.00000	6.12400	-89.99000
1.249	1.994	-6.02377	403.30700	1.94278	369.11800	955.30000	1.42298	111.10000	.00000	6.47800	-71.77000
1.250	4.011	-6.03809	403.99600	1.94512	369.21000	956.70000	1.42346	111.20000	.00000	7.35800	-56.54000
1.249	6.013	-5.99662	403.78600	1.94748	369.70700	956.50000	1.42285	110.60000	.00000	8.57100	-45.08000
	GRADIENT	-.00812	.02136	-.00019	-.02474	.03128	.00004	.05543	.00000	.01160	8.54602

RUN NO. 414/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.401	-5.986	-5.98749	429.08100	1.99912	312.12000	995.20000	1.49419	109.90000	.00000	8.53800	-134.87000
1.399	-4.020	-6.01256	430.52900	2.00661	314.08500	998.60000	1.49334	109.90000	.00000	7.33400	-123.67000
1.400	-1.996	-5.98268	427.86400	1.99339	311.73600	992.40000	1.49372	110.00000	.00000	6.43300	-108.40000
1.400	-.016	-6.00871	429.67000	2.00154	313.30200	996.60000	1.49349	110.10000	.00000	6.14300	-90.17000
1.400	2.011	-6.04840	429.50100	2.00155	313.00700	996.20000	1.49364	109.90000	.00000	6.49800	-71.71000
1.400	4.022	-6.00184	428.98400	1.99913	312.61600	995.00000	1.49366	109.90000	.00000	7.32700	-56.30000
1.401	6.010	-6.02485	428.60200	1.99710	312.02600	994.10000	1.49395	109.90000	.00000	8.58100	-45.21000
	GRADIENT	-.00220	-.07300	-.00034	-.08357	-.17081	.00003	-.00502	.00000	.00269	8.53209

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R025) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 367/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.449	-6.018	-6.01756	433.06500	1.99681	294.46000	1005.20000	1.51348	111.00000	.00000	8.57900	-134.85000
1.450	-3.997	-6.00836	433.36100	1.99903	294.55600	1005.90000	1.51358	110.80000	.00000	7.31700	-123.51000
1.450	-2.004	-6.02887	433.43900	2.00022	294.45600	1006.10000	1.51372	110.60000	.00000	6.47700	-108.31000
1.450	.006	-5.94463	433.06000	1.99719	294.36100	1005.20000	1.51357	110.90000	.00000	6.08000	-89.91000
1.450	2.012	-6.05187	432.75400	1.99618	294.06700	1004.50000	1.51365	110.80000	.00000	6.50100	-71.67000
1.450	3.997	-6.00110	432.75400	1.99618	294.06700	1004.50000	1.51365	110.80000	.00000	7.31200	-56.43000
1.450	6.045	-6.00868	432.96700	1.99573	294.16400	1005.00000	1.51369	111.10000	.00000	8.59300	-44.95000
	GRADIENT	-.00043	-.09500	-.00049	-.06836	-.22012	.00000	.01004	.00000	.00056	8.53887

RUN NO. 404/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.007	-6.01710	435.27000	1.99623	276.46700	1014.50000	1.53213	110.50000	.00000	8.57200	-134.82000
1.500	-4.042	-6.03477	435.34900	1.99656	276.46600	1014.70000	1.53218	110.50000	.00000	7.36400	-123.71000
1.501	-1.988	-5.98614	435.52100	1.99716	276.26500	1015.20000	1.53248	110.50000	.00000	6.43400	-108.27000
1.500	-.000	-5.98931	435.45200	1.99711	276.66400	1014.90000	1.53205	110.50000	.00000	6.12400	-89.99000
1.499	2.012	-6.03448	435.25500	1.99769	276.66600	1014.40000	1.53193	110.20000	.00000	6.48600	-71.64000
1.500	4.000	-6.01586	435.28500	1.99663	276.26800	1014.60000	1.53233	110.40000	.00000	7.32700	-56.49000
1.500	6.026	-6.01065	435.40300	1.99713	276.26600	1014.90000	1.53241	110.40000	.00000	8.58200	-45.07000
	GRADIENT	-.00050	-.01950	.00003	.00025	-.04949	-.00001	-.02491	.00000	-.00190	8.51583

RUN NO. 383/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.551	-6.013	-6.01483	438.43400	1.99924	260.46400	1029.50000	1.54962	110.80000	.00000	8.57400	-134.82000
1.550	-4.029	-6.01395	437.04300	1.99349	259.88500	1026.10001	1.54939	110.70000	.00000	7.34000	-123.70000
1.549	-2.013	-6.03287	437.93300	1.99726	260.77200	1028.00000	1.54903	110.80000	.00000	6.48400	-108.35000
1.550	-.003	-5.96696	438.30800	1.99838	260.76600	1029.00000	1.54925	110.90000	.00000	6.10200	-89.97000
1.550	2.019	-6.03627	437.58900	1.99596	260.17700	1027.39999	1.54942	110.70000	.00000	6.49000	-71.61000
1.550	4.004	-5.99486	437.58900	1.99643	260.17700	1027.39999	1.54942	110.60000	.00000	7.31200	-56.35000
1.548	5.970	-5.95432	438.27500	1.99985	261.16700	1028.70000	1.54884	110.60000	.00000	8.50500	-45.08000
	GRADIENT	.00172	.03732	.00023	-.00047	.09975	.00002	-.01489	.00000	-.00284	8.53085

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (14R025) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 447/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-5.960	-5.98274	1.04481	.09575	.44241	.09762	.43787	-.34666	-.34025	-.35244	-.34187
.599	-3.956	-5.99300	1.06438	.15140	.38617	.11183	.45609	-.23476	-.34426	-.24011	-.34629
.601	-1.956	-5.94485	1.06900	.20731	.32700	.12081	.46660	-.11969	-.34579	-.12500	-.34831
.599	-.006	-6.00240	1.07336	.26315	.27132	.12123	.47408	-.00817	-.35286	-.01262	-.35551
.599	2.003	-6.02801	1.06963	.31902	.21101	.11539	.47024	.10801	-.35486	.10307	-.35745
.599	3.997	-6.01630	1.06000	.37564	.15270	.10553	.45680	.22294	-.35128	.21735	-.35424
.599	6.009	-6.00397	1.04016	.43309	.09265	.08801	.43843	.34044	-.35042	.33536	-.35352
	GRADIENT	-.00651	-.00041	.02820	-.02934	-.00091	.00025	.05754	-.00116	.05753	-.00126

RUN NO. 439/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.799	-6.015	-5.99754	1.12578	.16034	.50869	.16455	.50262	-.34835	-.33808	-.35394	-.33985
.799	-4.033	-6.04108	1.14384	.21622	.45357	.17787	.52117	-.23734	-.34329	-.24228	-.34510
.799	-1.989	-6.02091	1.14984	.27414	.39576	.18531	.53141	-.12163	-.34610	-.12728	-.34921
.799	.009	-5.97552	1.15277	.33152	.33937	.18731	.53513	-.00785	-.34782	-.01249	-.35105
.799	2.019	-6.07842	1.14983	.38665	.28058	.17873	.53470	.10607	-.35596	.10010	-.35909
.799	3.984	-5.96867	1.14332	.44253	.22265	.17241	.51993	.21988	-.34752	.21428	-.35004
.799	6.039	-6.04684	1.12393	.49903	.16102	.15352	.50454	.33801	-.35103	.33266	-.35447
	GRADIENT	.00433	-.00004	.02820	-.02879	-.00086	.00006	.05699	-.00092	.05691	-.00099

RUN NO. 480/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-5.968	-5.97754	1.18412	.23685	.56813	.23873	.56335	-.33128	-.32462	-.33341	-.32782
.900	-3.970	-5.99599	1.20037	.29034	.51625	.25153	.57995	-.22590	-.32842	-.22768	-.33143
.901	-1.964	-5.95427	1.20344	.34148	.45846	.25732	.58617	-.11699	-.32885	-.11887	-.33169
.900	.006	-5.98293	1.20932	.39836	.40648	.26029	.59515	-.00812	-.33487	-.00995	-.33770
.900	1.998	-5.98953	1.20471	.45277	.35093	.25481	.59183	.10184	-.33701	.09909	-.33905
.900	4.022	-6.01380	1.19603	.50827	.29493	.24590	.58324	.21334	-.33734	.20979	-.33958
.900	6.019	-6.01892	1.18040	.56163	.23866	.23017	.56860	.32297	-.33843	.31959	-.34071
	GRADIENT	-.00355	-.00038	.02743	-.02758	-.00069	.00061	.05501	-.00130	.05479	-.00118

RUN NO. 428/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.100	-5.970	-5.96947	1.30494	.43941	.73784	.44414	.73258	-.29843	-.28844	-.30273	-.29063
1.100	-3.986	-6.00142	1.31683	.48628	.68938	.45309	.74610	-.20310	-.29301	-.20705	-.29572
1.099	-2.014	-6.02855	1.32090	.53271	.64012	.45553	.75581	-.10741	-.30028	-.11106	-.30230
1.100	-.007	-5.93498	1.32221	.58187	.59132	.45885	.75742	-.00945	-.29857	-.01373	-.30063
1.100	2.028	-6.03390	1.31928	.63144	.53957	.45275	.75601	.09188	-.30327	.08724	-.30607
1.099	4.012	-6.01972	1.31468	.67960	.49022	.44475	.74716	.18938	-.30241	.18452	-.30516
1.099	6.029	-6.02159	1.29928	.72790	.43850	.43047	.73293	.28941	-.30247	.28466	-.30494
	GRADIENT	-.00212	-.00030	.02422	-.02490	-.00097	.00011	.04912	-.00109	.04898	-.00113

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R025) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 358/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.251	-5.963	-5.96759	1.39640	.50339	.80016	.50899	.79209	-.29677	-.28310	-.29590	-.28406
1.249	-3.947	-5.98922	1.40633	.55240	.75088	.51951	.80914	-.19847	-.28964	-.19782	-.29063
1.251	-1.963	-5.96033	1.41137	.59907	.70312	.52332	.81759	-.10404	-.29427	-.10394	-.29485
1.250	.002	-5.98157	1.41063	.64587	.65414	.52318	.82053	-.00828	-.29735	-.00844	-.29812
1.249	1.994	-6.02377	1.40882	.69402	.60515	.51934	.82184	.08887	-.30250	.08791	-.30321
1.250	4.011	-6.03809	1.40507	.74351	.55586	.51195	.81201	.18765	-.30006	.18661	-.30071
1.249	6.013	-5.99662	1.39259	.79160	.50629	.50020	.79825	.28531	-.29806	.29391	-.29882
	GRADIENT	-.00812	-.00026	.02401	-.02456	-.00096	.00050	.04857	-.00146	.04834	-.00143

RUN NO. 414/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.401	-5.986	-5.98749	1.47725	.52193	.81842	.51895	.81944	-.29649	-.30049	-.29916	-.30163
1.399	-4.020	-6.01256	1.48433	.57037	.77077	.53005	.83208	-.20040	-.30203	-.20346	-.30381
1.400	-1.996	-5.98268	1.48571	.61784	.71989	.53514	.84043	-.10204	-.30529	-.10535	-.30699
1.400	-.016	-6.00871	1.48683	.66793	.67145	.53794	.84556	-.00352	-.30761	-.00718	-.30943
1.400	2.011	-6.04840	1.48569	.71875	.62164	.53476	.84122	.09711	-.30646	.09271	-.30822
1.400	4.022	-6.00184	1.48339	.76762	.57266	.52850	.82992	.19496	-.30141	.19066	-.30314
1.401	6.010	-6.02485	1.47159	.81656	.52563	.51708	.81673	.29093	-.29965	.28663	-.30143
	GRADIENT	-.00220	-.00010	.02466	-.02461	-.00017	-.00018	.04927	.00000	.04909	.00001

RUN NO. 367/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.449	-6.018	-6.01756	1.48501	.52377	.81823	.52298	.82428	-.29446	-.30130	-.29589	-.30245
1.450	-3.997	-6.00836	1.49420	.57203	.76628	.53049	.83590	-.19425	-.30541	-.19641	-.30654
1.450	-2.004	-6.02887	1.49712	.62086	.71612	.53469	.84131	-.09526	-.30662	-.09710	-.30802
1.450	.006	-5.94463	1.50033	.67294	.66792	.53850	.83962	.00502	-.30112	.00221	-.30251
1.450	2.012	-6.05187	1.49670	.72423	.61964	.53572	.83768	.10459	-.30196	.10161	-.30331
1.450	3.997	-6.00110	1.49266	.77291	.57342	.53142	.82612	.19950	-.29470	.19648	-.29620
1.450	6.045	-6.00868	1.48215	.82355	.52800	.52099	.81459	.29555	-.29360	.29225	-.29489
	GRADIENT	-.00043	-.00017	.02525	-.02411	.00015	-.00116	.04936	.00130	.04922	.00127

RUN NO. 404/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.500	-6.007	-6.01710	1.51657	.52652	.82375	.51987	.83104	-.29724	-.31116	-.30057	-.31273
1.500	-4.042	-6.03477	1.51926	.57333	.77537	.53147	.84019	-.20205	-.30872	-.20564	-.31025
1.501	-1.988	-5.98614	1.52056	.62372	.72330	.54002	.84226	-.09958	-.30224	-.10308	-.30412
1.500	-.000	-5.98931	1.52165	.67338	.67571	.54323	.84427	-.00233	-.30104	-.00586	-.30301
1.499	2.012	-6.03448	1.52297	.72518	.62912	.54108	.84152	.09606	-.30044	.09146	-.30230
1.500	4.000	-6.01586	1.51694	.77533	.57957	.53206	.83216	.19576	-.30009	.19079	-.30160
1.500	6.026	-6.01065	1.51167	.82786	.52877	.51701	.82055	.29909	-.30354	.29394	-.30557
	GRADIENT	-.00050	-.00011	.02516	-.02419	.00012	-.00083	.04935	.00095	.04915	.00095

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R025) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 383/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.551	-6.013	-6.01483	1.55118	.52759	.82186	.52442	.83169	-.29426	-.30727	-.29711	-.30890
1.550	-4.029	-6.01395	1.55185	.57153	.77160	.53923	.84032	-.20001	-.30108	-.20348	-.30322
1.549	-2.013	-6.03287	1.55482	.62249	.72335	.54698	.84975	-.10086	-.30277	-.10412	-.30449
1.550	-.003	-5.96696	1.55162	.67407	.67649	.54943	.84800	-.00242	-.29857	-.00570	-.30030
1.550	2.019	-6.03627	1.55499	.72478	.63103	.54367	.84459	.09375	-.30092	.08947	-.30294
1.550	4.004	-5.99486	1.55015	.77377	.57722	.52685	.82921	.19655	-.30236	.19237	-.30431
1.548	5.970	-5.95432	1.55174	.82805	.53589	.51072	.81963	.29216	-.30892	.28804	-.31095
	GRADIENT	.00172	-.00016	.02521	-.02393	-.00139	-.00136	.04914	-.00003	.04902	-.00003

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R025) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 447/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-5.960	-5.98274	.27197	.26856	.27027	.05565	-.00276
.599	-3.956	-5.99300	.27146	.28497	.27822	.05687	-.00110
.601	-1.956	-5.94485	.26981	.29496	.28239	.05775	-.00249
.599	-.006	-6.00240	.26947	.29898	.28422	.05763	-.00313
.599	2.003	-6.02801	.26748	.29411	.28080	.05730	.00095
.599	3.997	-6.01630	.26696	.28264	.27480	.05790	.00127
.599	6.009	-6.00397	.26541	.26477	.26509	.05905	-.00010
	GRADIENT	-.00651	-.00057	-.00028	-.00043	.00008	.00041

RUN NO. 439/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.799	-6.015	-5.99754	.33731	.33447	.33589	.05650	-.00263
.799	-4.033	-6.04108	.33736	.35042	.34389	.05605	-.00269
.799	-1.989	-6.02091	.33778	.35991	.34885	.05713	-.00058
.799	.009	-5.97552	.33777	.36283	.35030	.05660	-.00371
.799	2.019	-6.07842	.33660	.35828	.34744	.05690	.00071
.799	3.984	-5.96867	.33539	.34743	.34141	.05826	.00292
.799	6.039	-6.04684	.33270	.33076	.33173	.05727	-.00470
	GRADIENT	.00433	-.00025	-.00037	-.00031	.00021	.00062

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R025) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 480/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-5.968	-5.97754	.40356	.40264	.40310	.05264	-.00251
.900	-3.970	-5.99599	.40418	.41724	.41071	.05346	-.00040
.901	-1.964	-5.95427	.40091	.42317	.41204	.05500	-.00171
.900	.006	-5.98293	.40334	.42914	.41624	.05511	-.00238
.900	1.998	-5.98953	.40322	.42434	.41378	.05459	.00001
.900	4.022	-6.01380	.40337	.41569	.40953	.05486	-.00047
.900	6.019	-6.01892	.40183	.40053	.40118	.05505	-.00062
	GRADIENT	-.00355	.00003	-.00010	-.00003	.00012	.00008

RUN NO. 428/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.100	-5.970	-5.96947	.59077	.58945	.59011	.04804	-.00198
1.100	-3.986	-6.00142	.58981	.60095	.59538	.04855	-.00374
1.099	-2.014	-6.02855	.58824	.60668	.59746	.04847	-.00078
1.100	-.007	-5.93498	.58874	.60917	.59895	.04911	-.00075
1.100	2.028	-6.03390	.58782	.60578	.59680	.04942	-.00168
1.099	4.012	-6.01972	.58733	.59733	.59233	.04918	.00092
1.099	6.029	-6.02159	.58557	.58294	.58425	.04987	-.00030
	GRADIENT	-.00212	-.00027	-.00041	-.00034	.00011	.00042

RUN NO. 358/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.251	-5.963	-5.96759	.65134	.65102	.65118	.04910	-.00350
1.249	-3.947	-5.98922	.65132	.66482	.65807	.04773	-.00279
1.251	-1.963	-5.96033	.65104	.67074	.66089	.04786	-.00150
1.250	.002	-5.98157	.65008	.67224	.66116	.04860	-.00259
1.249	1.994	-6.02377	.65006	.67095	.66050	.04861	-.00077
1.250	4.011	-6.03809	.65021	.66231	.65626	.04890	.00169
1.249	6.013	-5.99662	.64965	.64961	.64963	.04845	.00057
	GRADIENT	-.00812	-.00016	-.00025	-.00020	.00016	.00049

RUN NO. 414/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.401	-5.986	-5.98749	.67150	.66976	.67063	.04880	-.00099
1.399	-4.020	-6.01256	.67210	.68196	.67703	.04841	-.00136
1.400	-1.996	-5.98268	.67052	.68864	.67958	.04902	-.00162
1.400	-.016	-6.00871	.67152	.69266	.68209	.04965	-.00058
1.400	2.011	-6.04840	.67239	.68887	.68063	.04897	.00200
1.400	4.022	-6.00184	.67229	.68007	.67618	.04843	.00196
1.401	6.010	-6.02485	.67325	.66780	.67052	.04819	.00031
	GRADIENT	-.00220	.00011	-.00018	-.00003	-.00000	.00051

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R025) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 367/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.449	-6.018	-6.01756	.67171	.67421	.67296	.04901	-.00203
1.450	-3.997	-6.00836	.67024	.68376	.67700	.04964	-.00200
1.450	-2.004	-6.02887	.66941	.68870	.67906	.04962	.00175
1.450	.006	-5.94463	.67183	.68976	.68080	.04961	.00096
1.450	2.012	-6.05187	.67343	.68738	.68040	.04884	.00142
1.450	3.997	-6.00110	.67468	.67952	.67710	.04705	.00297
1.450	6.045	-6.00868	.67742	.66844	.67293	.04664	-.00052
	GRADIENT	-.00043	.00064	-.00049	.00008	-.00030	.00048

RUN NO. 404/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.500	-6.007	-6.01710	.67680	.67624	.67652	.04793	.00064
1.500	-4.042	-6.03477	.67610	.68659	.68134	.04927	.00250
1.501	-1.988	-5.98614	.67526	.69208	.68367	.04969	.00201
1.500	-.000	-5.98931	.67631	.69474	.68552	.04827	-.00000
1.499	2.012	-6.03448	.67945	.69223	.68584	.04901	.00071
1.500	4.000	-6.01586	.67994	.68286	.68140	.05065	-.00073
1.500	6.026	-6.01065	.68089	.66979	.67534	.05108	-.00258
	GRADIENT	-.00050	.00059	-.00036	.00012	.00010	-.00039

RUN NO. 383/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.551	-6.013	-6.01483	.67615	.67887	.67751	.04669	.00406
1.550	-4.029	-6.01395	.67333	.69084	.68208	.04823	.00048
1.549	-2.013	-6.03287	.67455	.69923	.68689	.04984	.00080
1.550	-.003	-5.96696	.67692	.69958	.68825	.04715	.00070
1.550	2.019	-6.03627	.68005	.69514	.68759	.04965	-.00124
1.550	4.004	-5.99486	.67759	.67900	.67829	.05111	-.00169
1.548	5.970	-5.95432	.68403	.66619	.67511	.04745	-.00422
	GRADIENT	.00172	.00070	-.00138	-.00034	.00028	-.00032

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R026) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.267 BETA = -6.000
PHI = .000

RUN NO. 277/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.598	-5.963	-5.97432	319.68700	2.47799	1275.16000	1624.50000	1.09276	110.50000	.00000	8.58300	-134.79000
.599	-3.956	-5.99929	320.53400	2.48033	1274.74001	1625.10001	1.09305	110.70000	.00000	7.34900	-123.28000
.599	-1.996	-6.00251	319.85800	2.47876	1275.14999	1624.70000	1.09283	110.50000	.00000	6.50500	-108.31000
.598	-.990	-5.98443	319.41800	2.47692	1274.66000	1623.70000	1.09274	110.40000	.00000	6.25000	-99.35000
.600	.001	-5.97483	320.58000	2.48033	1273.03999	1623.50000	1.09321	110.50000	.00000	6.16100	-90.00000
.598	1.005	-6.03652	319.21900	2.47506	1273.47000	1622.30000	1.09276	110.40000	.00000	6.30300	-80.61000
.599	1.990	-5.97823	320.15900	2.47812	1273.35001	1623.30000	1.09305	110.60000	.00000	6.48000	-71.69000
.599	3.976	-5.96190	319.63300	2.47700	1272.86000	1622.20000	1.09291	110.30000	.00000	7.32900	-56.45000
.599	6.018	-6.02543	319.80700	2.47731	1272.96001	1622.50000	1.09297	110.40000	.00000	8.65600	-45.21000
	GRADIENT	.00349	-.07677	-.00040	-.29554	-.37924	-.00000	-.03355	.00000	-.00163	8.61831

RUN NO. 315/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.901	-5.989	-5.99623	348.94100	1.99321	614.65900	1040.20000	1.21952	110.70000	.00000	8.59300	-134.79000
.899	-3.997	-6.00528	348.12100	1.99142	615.57400	1039.80000	1.21862	110.60000	.00000	7.35800	-123.50000
.900	-1.967	-5.94354	350.12800	2.00045	617.62900	1044.50000	1.21919	110.80000	.00000	6.42500	-108.22000
.899	.006	-6.00474	348.27400	1.99049	614.97200	1039.50000	1.21895	110.80000	.00000	6.17600	-89.94000
.901	2.014	-6.04534	350.02400	1.99891	616.53300	1043.39999	1.21954	110.80000	.00000	6.53400	-71.67000
.899	3.991	-5.99294	348.63300	1.99624	616.56200	1041.39999	1.21858	110.20000	.00000	7.34400	-56.48000
.900	6.040	-6.03570	348.56100	1.99983	615.06600	1040.00000	1.21911	109.00000	.00000	8.65500	-45.15000
	GRADIENT	-.00385	.04734	.00041	.04509	.10789	.00001	-.03986	.00000	.00353	8.54646

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (14R026) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.267 BETA = -6.000
PHI = .000

RUN NO. 277/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.598	-5.963	-5.97432	1.03749	.09105	.44393	.09980	.43589	-.35289	-.33609	-.34967	-.33600
.599	-3.956	-5.99929	1.05740	.14641	.38619	.11285	.45653	-.23978	-.34368	-.23588	-.34359
.599	-1.996	-6.00251	1.06710	.20578	.32621	.11990	.47147	-.12043	-.35157	-.11683	-.35217
.598	-.990	-5.98443	1.07012	.23381	.29672	.12173	.47329	-.06291	-.35157	-.05907	-.35222
.600	.001	-5.97483	1.06674	.26081	.26835	.12289	.47421	-.00754	-.35132	-.00301	-.35217
.598	1.005	-6.03652	1.06888	.28883	.23862	.11910	.47663	.05021	-.35753	.05343	-.35843
.599	1.990	-5.97823	1.06494	.31905	.20870	.11742	.47153	.11036	-.35410	.11368	-.35486
.599	3.976	-5.96190	1.05641	.37559	.15315	.10893	.45823	.22244	-.34930	.22589	-.34953
.599	6.018	-6.02543	1.03060	.43143	.09160	.08956	.44027	.33983	-.35071	.34378	-.35179
	GRADIENT	.00349	-.00023	.02874	-.02939	-.00056	.00024	.05813	-.00080	.05805	-.00085

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R026) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.267 BETA = -6.000
PHI = .000

RUN NO. 315/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.901	-5.989	-5.99623	1.15523	.23400	.57049	.24139	.57003	-.33649	-.32863	-.33042	-.32735
.899	-3.997	-6.00528	1.17220	.28795	.51835	.25347	.58638	-.23040	-.33290	-.22420	-.33203
.900	-1.967	-5.94354	1.18036	.34419	.46466	.26289	.59499	-.12046	-.33210	-.11469	-.33124
.899	.006	-6.00474	1.17937	.39669	.40874	.26063	.59934	-.01205	-.33871	-.00551	-.33803
.901	2.014	-6.04534	1.17569	.45060	.35371	.25498	.59853	.09690	-.34355	.10264	-.34273
.899	3.991	-5.99294	1.17025	.50471	.29871	.24719	.58712	.20600	-.33993	.21135	-.33888
.900	6.040	-6.03570	1.15092	.56002	.24087	.23134	.57220	.31915	-.34085	.32398	-.33994
	GRADIENT	-.00385	-.00042	.02705	-.02757	-.00102	.00026	.05462	-.00128	.05453	-.00126

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R026) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.267 BETA = -6.000
PHI = .000

RUN NO. 277/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.598	-5.963	-5.97432	.26588	.26780	.26684	.05528	-.00327
.599	-3.956	-5.99929	.26435	.28464	.27450	.05957	-.00481
.599	-1.996	-6.00251	.26419	.29598	.28009	.05889	-.00200
.598	-.990	-5.98443	.26335	.29784	.28059	.05683	.00163
.600	.001	-5.97483	.26231	.29897	.28064	.05564	-.00447
.598	1.005	-6.03652	.26211	.29832	.28022	.05907	-.00222
.599	1.990	-5.97823	.26221	.29485	.27853	.06044	.00568
.599	3.976	-5.96190	.26264	.28370	.27317	.05588	.00022
.599	6.018	-6.02543	.25954	.26545	.26250	.05866	-.00177
	GRADIENT	.00349	-.00029	-.00014	-.00021	-.00023	.00076

RUN NO. 315/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.901	-5.989	-5.99623	.39921	.40507	.40214	.05331	-.00335
.899	-3.997	-6.00528	.40005	.41949	.40977	.05340	-.00035
.900	-1.967	-5.94354	.40154	.42851	.41502	.05496	-.00119
.899	.006	-6.00474	.39945	.42965	.41455	.05461	-.00414
.901	2.014	-6.04534	.39928	.42634	.41281	.05418	.00042
.899	3.991	-5.99294	.39904	.41663	.40783	.05521	.00136
.900	6.040	-6.03570	.39803	.40131	.39967	.05489	-.00146
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R027) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.001 BETA = -6.000
PHI = .000

RUN NO. 312/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.902	-5.977	-5.97792	351.46800	2.00719	617.80100	1046.60001	1.22002	110.50000	.00000	8.57000	-134.82000
.899	-3.972	-5.96631	348.80400	1.99723	616.15900	1041.30000	1.21885	110.00000	.00000	7.31200	-123.50000
.900	-1.951	-5.96507	349.12400	1.99967	615.85300	1041.50000	1.21919	109.70000	.00000	6.44000	-108.01000
.900	-.993	-6.01387	349.39300	2.00106	615.74800	1041.80000	1.21941	109.60000	.00000	6.26400	-99.31000
.900	.010	-6.00298	349.33800	2.00043	616.64700	1042.50000	1.21903	109.90000	.00000	6.17400	-89.89000
.900	.998	-5.98224	349.56600	2.00106	616.84200	1043.00000	1.21911	110.00000	.00000	6.23400	-80.57000
.900	2.012	-6.04342	349.75600	2.00159	616.63800	1043.10001	1.21931	110.00000	.00000	6.53200	-71.67000
.900	4.011	-6.02262	349.76500	2.00218	616.73800	1043.20000	1.21928	109.90000	.00000	7.37900	-56.48000
.899	6.020	-6.01254	348.98700	2.00070	617.35300	1042.60001	1.21852	109.70000	.00000	8.62600	-45.13000
	GRADIENT	-.00836	.12612	.00055	.11878	.28646	.00004	.01427	.00000	.01039	8.58979

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R027) (12 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.001 BETA = -6.000
PHI = .000

RUN NO. 312/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.902	-5.977	-5.97792	1.16361	.23780	.57264	.24485	.57258	-.33484	-.32773	-.32862	-.32637
.899	-3.972	-5.96631	1.17709	.28945	.51503	.25309	.58593	-.22559	-.33284	-.21889	-.33151
.900	-1.951	-5.96507	1.18500	.34465	.46221	.26139	.59728	-.11755	-.33589	-.11098	-.33484
.900	-.993	-6.01387	1.18410	.36945	.43488	.26052	.59866	-.06543	-.33814	-.05892	-.33702
.900	.010	-6.00298	1.18508	.39655	.40803	.26121	.60071	-.01148	-.33950	-.00404	-.33826
.900	.998	-5.98224	1.18353	.42453	.38015	.26011	.59982	.04438	-.33970	.04986	-.33856
.900	2.012	-6.04342	1.17921	.45067	.35110	.25493	.59768	.09957	-.34274	.10521	-.34167
.900	4.011	-6.02262	1.16996	.50546	.29534	.24639	.58581	.21012	-.33942	.21512	-.33791
.899	6.020	-6.01254	1.15404	.55944	.23824	.23116	.56945	.32121	-.33828	.32644	-.33715
	GRADIENT	-.00836	-.00097	.02703	-.02762	-.00096	.00003	.05465	-.00099	.05442	-.00097

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R027) (15 FEB 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

RN/L = 2.001 BETA = -6.000
PHI = .000

RUN NO. 312/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.902	-5.977	-5.97792	.40211	.40804	.40507	.05518	-.00289
.899	-3.972	-5.96631	.39889	.41884	.40887	.05385	-.00191
.900	-1.951	-5.96507	.40014	.42881	.41447	.05385	-.00210
.900	-.993	-6.01387	.39891	.42903	.41397	.05465	-.00209
.900	.010	-6.00298	.39857	.43034	.41446	.05466	-.00013
.900	.998	-5.98224	.39959	.42939	.41449	.05452	-.00203
.900	2.012	-6.04342	.39807	.42577	.41192	.05471	-.00182
.900	4.011	-6.02262	.39790	.41535	.40662	.05525	.00230
.899	6.020	-6.01254	.39622	.39974	.39798	.05547	-.00058
	GRADIENT	-.00836	-.00018	-.00047	-.00033	.00017	.00042

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R028) (05 DEC 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 448/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-6.043	-4.05095	321.17100	2.49364	1280.00999	1631.00000	1.09284	109.60000	.00000	7.43400	-146.04000
.600	-4.012	-4.03793	322.82300	2.50135	1280.97000	1633.89999	1.09323	109.70000	.00000	5.87400	-134.68000
.599	-1.968	-4.06052	321.91700	2.49911	1282.58000	1634.39999	1.09289	109.60000	.00000	4.71600	-115.73000
.599	.000	-3.97796	322.53800	2.50208	1283.47000	1636.00000	1.09299	109.70000	.00000	4.19300	-90.00000
.599	2.005	-3.93847	321.54200	2.49852	1281.19000	1632.60001	1.09289	109.20000	.00000	4.62500	-63.15000
.599	3.971	-3.97489	321.70400	2.49893	1280.78999	1632.39999	1.09296	109.20000	.00000	5.80200	-45.16000
.600	5.952	-3.93987	322.92700	2.50527	1281.75999	1634.80000	1.09325	109.20000	.00000	7.29800	-33.62000
	GRADIENT	.01243	-.13159	-.00027	-.08650	-.24014	-.00003	-.07023	.00000	-.01294	11.61514

RUN NO. 440/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.799	-5.979	-4.01016	321.82700	1.99776	719.74400	1096.30000	1.17006	109.60000	.00000	7.35400	-146.03000
.799	-4.004	-4.03035	321.48200	1.99688	720.25000	1096.30000	1.16974	109.60000	.00000	5.86000	-134.68000
.799	-1.958	-4.01973	322.33400	2.00022	720.63100	1097.80000	1.17012	109.70000	.00000	4.67300	-115.86000
.799	-.001	-4.04645	322.37100	2.00095	721.22900	1098.39999	1.16999	109.70000	.00000	4.25800	-90.01000
.799	2.002	-3.93831	323.21600	2.00489	722.70800	1100.89999	1.17009	109.90000	.00000	4.62000	-63.18000
.799	3.964	-3.96198	321.45200	1.99582	719.75200	1095.80000	1.16984	109.70000	.00000	5.78500	-45.11000
.799	6.015	-3.99105	322.34000	2.00034	720.73100	1097.89999	1.17010	109.70000	.00000	7.37300	-33.68000
	GRADIENT	.01097	.04245	.00013	.05550	.10815	.00001	.02022	.00000	-.01140	11.64921

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R028) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 481/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.034	-4.05113	349.66400	1.99769	617.13900	1043.39999	1.21906	110.90000	.00000	7.40400	-146.00000
.900	-4.004	-4.03005	349.70500	1.99793	616.83900	1043.20000	1.21920	110.80000	.00000	5.84600	-134.68000
.900	-1.964	-4.04642	349.67300	1.99737	617.23900	1043.50000	1.21903	111.00000	.00000	4.68800	-115.76000
.900	-.014	-3.99767	349.83500	1.99838	616.73700	1043.30000	1.21933	110.80000	.00000	4.20100	-90.17000
.900	2.001	-3.91723	349.88500	1.99792	616.53600	1043.20000	1.21944	110.90000	.00000	4.59200	-63.03000
.899	3.967	-3.96216	349.21800	1.99565	616.84900	1042.50000	1.21887	110.90000	.00000	5.77600	-45.06000
.900	5.951	-3.96869	349.32900	1.99577	616.54700	1042.39999	1.21906	110.90000	.00000	7.29500	-33.79000
	GRADIENT	.01331	-.03814	-.00021	-.03408	-.08500	-.00001	.00518	.00000	-.01264	11.65145

RUN NO. 429/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.098	-6.009	-4.01430	370.63000	1.89522	439.06200	935.30000	1.33633	109.60000	.00000	7.33900	-146.15000
1.100	-3.989	-4.04300	371.60600	1.89886	438.94800	936.90000	1.33731	109.60000	.00000	5.82500	-134.50000
1.100	-2.002	-4.08600	371.91600	1.90004	439.34200	937.70003	1.33729	109.70000	.00000	4.72300	-116.00000
1.100	.011	-3.95203	372.34300	1.90210	439.73300	938.70000	1.33738	109.70000	.00000	4.14100	-89.84000
1.100	2.014	-3.96633	372.98500	1.90531	440.02200	940.00000	1.33774	109.60000	.00000	4.62300	-63.17000
1.101	3.956	-3.93092	373.47300	1.90566	439.81600	940.70000	1.33834	109.90000	.00000	5.72400	-44.91000
1.100	5.997	-4.00215	372.76900	1.90360	440.42300	939.90000	1.33723	109.90000	.00000	7.32200	-33.80000
	GRADIENT	.01730	.24126	.00095	.12172	.49752	.00013	.02495	.00000	-.01616	11.65931

RUN NO. 359/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-5.969	-3.99129	404.68600	1.95129	369.99500	958.40000	1.42332	110.60000	.00000	7.29100	-146.13000
1.250	-3.993	-4.02567	404.53300	1.95025	369.99700	958.10000	1.42320	110.70000	.00000	5.81400	-134.66000
1.250	-1.966	-4.04408	403.98200	1.94760	369.50700	956.80000	1.42318	110.70000	.00000	4.67000	-115.83000
1.250	-.002	-4.01388	403.69100	1.94438	369.21300	956.10000	1.42321	111.10000	.00000	4.20100	-90.04000
1.250	2.002	-3.94760	404.79500	1.94608	370.19200	958.70000	1.42323	111.90000	.00000	4.60100	-63.22000
1.249	3.971	-3.95156	404.46800	1.94446	370.29400	958.10000	1.42288	112.00000	.00000	5.74700	-44.98000
1.251	6.010	-3.99759	404.27100	1.94297	369.10800	957.20000	1.42377	111.90000	.00000	7.32700	-33.74000
	GRADIENT	.01229	.03421	-.00066	.06407	.09516	-.00003	.19089	.00000	-.01094	11.65722

RUN NO. 415/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-6.018	-4.01459	429.63200	2.00255	313.00500	996.50000	1.49373	109.80000	.00000	7.33600	-146.22000
1.400	-4.015	-4.04066	429.71600	2.00398	313.20200	996.70000	1.49361	109.60000	.00000	5.83300	-134.75000
1.400	-1.984	-4.09176	428.42300	1.99839	312.22500	993.70000	1.49364	109.50000	.00000	4.71400	-115.81000
1.400	.005	-3.96710	430.40400	2.00773	313.79000	998.30000	1.49353	109.50000	.00000	4.14900	-89.97000
1.399	2.002	-3.93677	428.71700	1.99820	312.81600	994.40000	1.49329	109.90000	.00000	4.58600	-63.16000
1.399	3.960	-3.95650	430.35600	2.00582	313.98800	998.20000	1.49331	109.90000	.00000	5.73700	-45.08000
1.400	5.959	-3.97340	429.07100	2.00041	312.61500	995.20000	1.49372	109.70000	.00000	7.26600	-33.79000
	GRADIENT	.01621	.07793	.00017	.10772	.18322	-.00005	.05004	.00000	-.01738	11.63562

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R028) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 368/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-6.025	-4.01414	433.27800	1.99869	294.55700	1005.70000	1.51352	110.80000	.00000	7.34000	-146.23000
1.450	-4.009	-4.04176	432.93000	1.99793	294.26300	1004.90000	1.51358	110.60000	.00000	5.82900	-134.65000
1.450	-1.961	-4.02307	432.61400	1.99679	293.77100	1004.20000	1.51384	110.50000	.00000	4.64300	-115.87000
1.450	.004	-4.03301	432.53600	1.99560	293.87100	1004.00000	1.51370	110.70000	.00000	4.21400	-89.91000
1.449	2.001	-3.91918	433.19500	1.99975	294.55800	1005.50000	1.51347	110.50000	.00000	4.57000	-63.03000
1.450	4.013	-4.00879	433.52200	2.00103	294.45500	1006.30000	1.51378	110.50000	.00000	5.81000	-45.04000
1.450	6.029	-4.01515	433.35100	2.00118	294.35800	1005.90000	1.51376	110.30000	.00000	7.34500	-33.73000
	GRADIENT	.00847	.08801	.00045	.05816	.20446	.00000	-.01007	.00000	-.00592	11.59533

RUN NO. 405/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-5.985	-4.00598	435.29700	1.99721	276.36700	1014.60000	1.53225	110.30000	.00000	7.30400	-146.11000
1.501	-4.027	-4.06360	434.99800	1.99753	275.87300	1014.00000	1.53254	109.90000	.00000	5.85700	-134.64000
1.500	-1.965	-4.03926	435.10200	1.99715	276.07100	1014.20000	1.53241	110.10000	.00000	4.65900	-115.83000
1.501	.003	-3.97443	435.48200	1.99699	276.26500	1015.10000	1.53246	110.50000	.00000	4.15600	-89.92000
1.500	2.006	-3.94408	435.45500	1.99788	276.36500	1015.00000	1.53234	110.30000	.00000	4.59400	-63.14000
1.500	3.968	-3.97513	435.30900	1.99733	276.46600	1014.60000	1.53216	110.30000	.00000	5.75600	-45.14000
1.499	5.961	-3.96708	435.37400	1.99725	276.66500	1014.70000	1.53200	110.40000	.00000	7.26500	-33.73000
	GRADIENT	.01366	.04899	.00002	.07421	.10053	-.00004	.05027	.00000	-.01501	11.60492

RUN NO. 385/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.551	-5.954	-3.97413	438.20700	1.99770	260.26700	1029.00000	1.54969	110.90000	.00000	7.26100	-146.18000
1.549	-4.019	-4.03625	436.80100	1.99204	259.98900	1025.39999	1.54914	110.80000	.00000	5.83300	-134.74000
1.550	-1.969	-4.08122	437.23300	1.99439	260.08200	1026.50000	1.54930	110.70000	.00000	4.69700	-115.66000
1.551	-.001	-3.97410	438.26400	1.99847	260.36600	1029.10001	1.54963	110.80000	.00000	4.15600	-89.96000
1.550	2.009	-3.94363	436.72100	1.99290	259.59000	1025.39999	1.54949	110.50000	.00000	4.59500	-63.03000
1.550	3.994	-3.98324	438.21300	1.99933	260.66700	1028.80000	1.54930	110.60000	.00000	5.78000	-45.02000
1.550	5.978	-3.96744	438.51200	1.99967	260.66300	1029.60001	1.54948	110.80000	.00000	7.27900	-33.66000
	GRADIENT	.01214	.11540	.00065	.04300	.28456	.00003	-.03006	.00000	-.01122	11.59899

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (14R028) (12 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 448/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-6.043	-4.05095	1.06223	.11019	.45843	.15247	.38280	-.34823	-.23033	-.35349	-.23136
.600	-4.012	-4.03793	1.07645	.16755	.39973	.16806	.40017	-.23217	-.23211	-.23782	-.23394
.599	-1.968	-4.06052	1.08686	.22444	.34250	.17600	.41501	-.11806	-.23901	-.12307	-.24066
.599	.000	-3.97796	1.08639	.28278	.28415	.17939	.41821	-.00137	-.23881	-.00583	-.24066
.599	2.005	-3.93847	1.08594	.34122	.22722	.17539	.41298	.11400	-.23759	.10850	-.23973
.599	3.971	-3.97489	1.07939	.39711	.16874	.16357	.40183	.22837	-.23826	.22323	-.24082
.600	5.952	-3.93987	1.05959	.45086	.11158	.14770	.38212	.33928	-.23442	.33377	-.23678
	GRADIENT	.01243	.00026	.02888	-.02895	-.00047	.00008	.05783	-.00055	.05786	-.00065

RUN NO. 440/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.799	-5.979	-4.01016	1.14556	.17823	.52088	.22383	.44746	-.34265	-.22363	-.34757	-.22579
.799	-4.004	-4.03035	1.15622	.23205	.46369	.23471	.46410	-.23164	-.22939	-.23715	-.23146
.799	-1.958	-4.01973	1.16108	.29138	.40631	.24213	.47555	-.11494	-.23336	-.12010	-.23536
.799	-.001	-4.04645	1.16252	.34726	.35044	.24326	.48164	-.00318	-.23838	-.00818	-.24075
.799	2.002	-3.93831	1.16240	.40666	.29431	.24185	.47658	.11235	-.23473	.10617	-.23739
.799	3.964	-3.96198	1.15675	.46143	.23660	.23086	.46421	.22483	-.23335	.21890	-.23626
.799	6.015	-3.99105	1.14007	.51709	.17555	.21221	.44883	.34154	-.23662	.33564	-.23913
	GRADIENT	.01097	.00012	.02885	-.02846	-.00040	.00007	.05731	-.00047	.05722	-.00059

RUN NO. 481/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-6.034	-4.05113	1.19981	.24935	.58211	.29277	.51239	-.33276	-.21962	-.33439	-.22105
.900	-4.004	-4.03005	1.21150	.30451	.52753	.30599	.52865	-.22301	-.22266	-.22486	-.22440
.900	-1.964	-4.04642	1.21530	.35925	.47129	.31284	.53949	-.11203	-.22664	-.11395	-.22843
.900	-.014	-3.99767	1.21579	.41424	.41765	.31465	.54217	-.00341	-.22752	-.00499	-.22937
.900	2.001	-3.91723	1.21325	.47039	.36066	.31156	.53774	.10974	-.22618	.10636	-.22849
.899	3.967	-3.96216	1.20737	.52559	.30626	.30145	.52903	.21933	-.22759	.21549	-.22978
.900	5.951	-3.96869	1.19462	.57749	.25207	.28776	.51462	.32543	-.22686	.32281	-.22928
	GRADIENT	.01331	-.00051	.02779	-.02779	-.00052	-.00004	.05558	-.00047	.05531	-.00054

RUN NO. 429/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.098	-6.009	-4.01430	1.31692	.44880	.74638	.48967	.68232	-.29758	-.19265	-.30181	-.19451
1.100	-3.989	-4.04300	1.32613	.49682	.69870	.50051	.69794	-.20187	-.19743	-.20565	-.19900
1.100	-2.002	-4.08600	1.32999	.54507	.64851	.50426	.70801	-.10344	-.20375	-.10740	-.20590
1.100	.011	-3.95203	1.33046	.59618	.59993	.50815	.70820	-.00375	-.20004	-.00741	-.20261
1.100	2.014	-3.96633	1.33092	.64756	.55177	.50408	.70835	.09579	-.20427	.09079	-.20654
1.101	3.956	-3.93092	1.32673	.69569	.50372	.49749	.69928	.19197	-.20180	.18717	-.20409
1.100	5.997	-4.00215	1.31391	.74430	.45224	.48209	.68631	.29205	-.20422	.28702	-.20691
	GRADIENT	.01730	.00011	.02513	-.02445	-.00031	.00016	.04958	-.00047	.04943	-.00054

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R028) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 359/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.250	-5.969	-3.99129	1.40680	.51592	.81062	.55701	.74402	-.29471	-.18702	-.29451	-.18775
1.250	-3.993	-4.02567	1.41552	.56187	.76227	.56597	.75892	-.20040	-.19294	-.20085	-.19341
1.250	-1.966	-4.04408	1.42039	.61040	.71208	.57009	.76882	-.10168	-.19873	-.10235	-.19916
1.250	-.002	-4.01388	1.42048	.65842	.66303	.57082	.77161	-.00461	-.20079	-.00556	-.20177
1.250	2.002	-3.94760	1.42053	.70942	.61489	.56865	.77136	.09452	-.20271	.09263	-.20369
1.249	3.971	-3.95156	1.41575	.75691	.56627	.56158	.76309	.19064	-.20151	.18944	-.20258
1.251	6.010	-3.99759	1.40411	.80602	.51782	.54789	.74847	.28820	-.20058	.28648	-.20171
	GRADIENT	.01229	.00003	.02458	-.02459	-.00051	.00055	.04917	-.00106	.04903	-.00115

RUN NO. 415/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.400	-6.018	-4.01459	1.48610	.53263	.83147	.56663	.77036	-.29884	-.20374	-.30162	-.20490
1.400	-4.015	-4.04066	1.49010	.58070	.78118	.57615	.78451	-.20048	-.20837	-.20405	-.21006
1.400	-1.984	-4.09176	1.49218	.62941	.72958	.58143	.79478	-.10017	-.21335	-.10356	-.21501
1.400	.005	-3.96710	1.49202	.68084	.68037	.58686	.79480	.00047	-.20794	-.00261	-.20957
1.399	2.002	-3.93677	1.49161	.73335	.63219	.58582	.79002	.10117	-.20419	.09692	-.20568
1.399	3.960	-3.95650	1.49048	.78195	.58284	.57828	.78095	.19911	-.20267	.19447	-.20458
1.400	5.959	-3.97340	1.48309	.82888	.54077	.56756	.76679	.28812	-.19923	.28352	-.20107
	GRADIENT	.01621	.00001	.02540	-.02478	.00044	-.00059	.05018	.00103	.05003	.00101

RUN NO. 368/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.450	-6.025	-4.01414	1.49640	.53326	.82780	.56822	.77487	-.29453	-.20665	-.29626	-.20796
1.450	-4.009	-4.04176	1.50545	.58063	.77679	.57485	.78577	-.19617	-.21092	-.19818	-.21237
1.450	-1.961	-4.02307	1.50526	.63349	.72512	.58145	.79201	-.09163	-.21056	-.09368	-.21223
1.450	.004	-4.03301	1.50574	.68446	.67628	.58334	.79194	.00819	-.20860	.00516	-.21023
1.449	2.001	-3.91918	1.50518	.73444	.62921	.58405	.78520	.10523	-.20114	.10256	-.20247
1.450	4.013	-4.00879	1.50299	.78398	.58019	.57691	.77433	.20380	-.19742	.20088	-.19885
1.450	6.029	-4.01515	1.49126	.83471	.54338	.56938	.76319	.29133	-.19381	.28787	-.19519
	GRADIENT	.00847	-.00025	.02538	-.02445	.00034	-.00148	.04983	.00182	.04970	.00184

RUN NO. 405/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.500	-5.985	-4.00598	1.51986	.53661	.83258	.56763	.77771	-.29597	-.21008	-.29878	-.21145
1.501	-4.027	-4.06360	1.52533	.58327	.78131	.57583	.78795	-.19804	-.21212	-.20176	-.21350
1.500	-1.965	-4.03926	1.52582	.63455	.73161	.58458	.79488	-.09707	-.21030	-.10070	-.21213
1.501	.003	-3.97443	1.52471	.68345	.68370	.58721	.78908	-.00025	-.20187	-.00370	-.20366
1.500	2.006	-3.94408	1.52375	.73550	.63551	.58787	.78589	.09999	-.19802	.09570	-.19984
1.500	3.968	-3.97513	1.52447	.78488	.58946	.58274	.77999	.19542	-.19724	.19085	-.19919
1.499	5.961	-3.96708	1.51685	.83687	.55084	.57265	.76912	.28603	-.19647	.28118	-.19895
	GRADIENT	.01366	-.00019	.02526	-.02404	.00087	-.00124	.04930	.00210	.04918	.00205

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R028) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 385/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.551	-5.954	-3.97413	1.55197	.53771	.83151	.57070	.77690	-.29380	-.20620	-.29685	-.20814
1.549	-4.019	-4.03625	1.55250	.58562	.78211	.57893	.79028	-.19629	-.21135	-.19919	-.21327
1.550	-1.969	-4.08122	1.55308	.63376	.72885	.58523	.79774	-.09509	-.21250	-.09834	-.21448
1.551	-.001	-3.97410	1.54904	.68324	.68195	.59332	.79289	.00129	-.19956	-.00201	-.20130
1.550	2.009	-3.94363	1.55172	.73512	.63340	.59224	.78501	.10171	-.19277	.09725	-.19461
1.550	3.994	-3.98324	1.55258	.78783	.59281	.58375	.77876	.19502	-.19501	.19065	-.19730
1.550	5.978	-3.96744	1.55196	.84020	.55810	.56741	.76497	.28210	-.19755	.27742	-.19986
	GRADIENT	.01214	-.00006	.02526	-.02370	.00084	-.00178	.04896	.00262	.04875	.00259

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R028) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 448/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-6.043	-4.05095	.28694	.26814	.27754	.05746	-.00051
.600	-4.012	-4.03793	.28647	.28503	.28575	.05589	-.00279
.599	-1.968	-4.06052	.28597	.29633	.29115	.05822	-.00198
.599	.000	-3.97796	.28570	.29972	.29271	.05853	.00095
.599	2.005	-3.93847	.28697	.29525	.29111	.05754	-.00044
.599	3.971	-3.97489	.28549	.28398	.28474	.05750	.00052
.600	5.952	-3.93987	.28397	.26609	.27503	.05497	.00280
	GRADIENT	.01243	-.00005	-.00015	-.00010	.00013	.00041

RUN NO. 440/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.799	-5.979	-4.01016	.35201	.33672	.34437	.05555	-.00327
.799	-4.004	-4.03035	.35063	.35044	.35053	.05661	-.00207
.799	-1.958	-4.01973	.35143	.35987	.35565	.05738	-.00285
.799	-.001	-4.04645	.35135	.36363	.35749	.05702	-.00062
.799	2.002	-3.93831	.35357	.36054	.35706	.05734	.00200
.799	3.964	-3.96198	.35198	.34899	.35048	.05725	-.00067
.799	6.015	-3.99105	.34927	.33178	.34053	.05676	-.00177
	GRADIENT	.01097	.00024	-.00010	.00007	.00006	.00038

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R028) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 481/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-6.034	-4.05113	.41655	.40330	.40992	.05397	-.00148
.900	-4.004	-4.03005	.41694	.41819	.41757	.05393	-.00199
.900	-1.964	-4.04642	.41622	.42706	.42164	.05530	-.00142
.900	-.014	-3.99767	.41674	.42934	.42304	.05568	.00035
.900	2.001	-3.91723	.41722	.42580	.42151	.05543	-.00016
.899	3.967	-3.96216	.41784	.41634	.41709	.05492	-.00041
.900	5.951	-3.96869	.41609	.40240	.40925	.05368	.00058
	GRADIENT	.01331	.00014	-.00024	-.00005	.00011	.00022

RUN NO. 429/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.098	-6.009	-4.01430	.59971	.58692	.59332	.04712	-.00143
1.100	-3.989	-4.04300	.59965	.60001	.59983	.04853	-.00381
1.100	-2.002	-4.08600	.59877	.60721	.60299	.04991	-.00045
1.100	.011	-3.95203	.59988	.60946	.60467	.04922	.00003
1.100	2.014	-3.96633	.60217	.60736	.60476	.04934	-.00068
1.101	3.956	-3.93092	.60211	.59953	.60082	.04941	.00073
1.100	5.997	-4.00215	.60079	.58555	.59317	.04867	-.00244
	GRADIENT	.01730	.00042	-.00003	.00019	.00006	.00044

RUN NO. 359/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.250	-5.969	-3.99129	.66317	.65089	.65703	.04714	-.00276
1.250	-3.993	-4.02567	.66230	.66268	.66249	.04792	-.00307
1.250	-1.966	-4.04408	.66157	.66967	.66562	.04914	-.00206
1.250	-.002	-4.01388	.66120	.67171	.66645	.04911	-.00115
1.250	2.002	-3.94760	.66310	.67049	.66680	.04923	-.00018
1.249	3.971	-3.95156	.66219	.66287	.66253	.04850	.00072
1.251	6.010	-3.99759	.66279	.64874	.65576	.04715	.00028
	GRADIENT	.01229	.00007	.00007	.00007	.00006	.00048

RUN NO. 415/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.400	-6.018	-4.01459	.68344	.66908	.67626	.04863	-.00224
1.400	-4.015	-4.04066	.68273	.68118	.68195	.04890	-.00326
1.400	-1.984	-4.09176	.68119	.68894	.68506	.05039	.00025
1.400	.005	-3.96710	.68214	.69164	.68689	.05027	.00324
1.399	2.002	-3.93677	.68489	.68866	.68678	.05031	.00082
1.399	3.960	-3.95650	.68471	.68057	.68264	.04744	.00099
1.400	5.959	-3.97340	.68712	.66810	.67761	.04312	.00213
	GRADIENT	.01621	.00038	-.00007	.00016	-.00015	.00046

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R028) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 368/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.450	-6.025	-4.01414	.68139	.67220	.67680	.04801	-.00278
1.450	-4.009	-4.04176	.67971	.68104	.68038	.04994	-.00099
1.450	-1.961	-4.02307	.68033	.68757	.68395	.05120	.00037
1.450	.004	-4.03301	.68188	.68846	.68517	.04918	.00277
1.449	2.001	-3.91918	.68316	.68529	.68423	.04936	.00323
1.450	4.013	-4.00879	.68355	.67634	.67994	.04627	.00140
1.450	6.029	-4.01515	.69077	.66698	.67888	.04161	.00202
	GRADIENT	.00847	.00052	-.00058	-.00003	-.00046	.00038

RUN NO. 405/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.500	-5.985	-4.00598	.68600	.67335	.67968	.04971	-.00120
1.501	-4.027	-4.06360	.68414	.68258	.68336	.04924	-.00072
1.500	-1.965	-4.03926	.68489	.69064	.68777	.04902	.00293
1.501	.003	-3.97443	.68530	.68913	.68722	.04957	.00374
1.500	2.006	-3.94408	.68765	.68779	.68772	.04949	.00079
1.500	3.968	-3.97513	.68945	.68234	.68590	.04685	.00011
1.499	5.961	-3.96708	.69628	.67212	.68420	.04454	.00013
	GRADIENT	.01366	.00067	-.00016	.00026	-.00022	-.00002

RUN NO. 385/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.551	-5.954	-3.97413	.68613	.67477	.68045	.05079	-.00264
1.549	-4.019	-4.03625	.68541	.68557	.68549	.04986	-.00269
1.550	-1.969	-4.08122	.68293	.69247	.68770	.04880	.00368
1.551	-.001	-3.97410	.68424	.69398	.68911	.04939	.00655
1.550	2.009	-3.94363	.68649	.68955	.68802	.04868	.00029
1.550	3.994	-3.98324	.69251	.68240	.68745	.04515	-.00180
1.550	5.978	-3.96744	.70149	.66734	.68442	.04301	-.00104
	GRADIENT	.01214	.00088	-.00046	.00021	-.00048	-.00008

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R029) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.269 BETA = -4.000
PHI = .000

RUN NO. 278/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-6.049	-4.03997	319.99000	2.47910	1273.45000	1623.20000	1.09297	110.30000	.00000	7.43400	-146.16000
.599	-3.981	-3.98539	320.08700	2.47924	1273.95000	1623.80000	1.09298	110.30000	.00000	5.81600	-134.87000
.599	-2.023	-4.03274	319.83900	2.47914	1274.35001	1623.89999	1.09289	110.30000	.00000	4.71500	-116.55000
.599	-1.004	-3.95431	320.27200	2.48181	1274.53999	1624.60001	1.09298	110.20000	.00000	4.29100	-104.19000
.598	-.021	-3.99013	319.59600	2.47963	1274.96001	1624.20000	1.09275	110.10000	.00000	4.20400	-90.32000
.598	.997	-4.01469	319.69300	2.47992	1275.45000	1624.80000	1.09277	110.20000	.00000	4.34700	-76.14000
.600	2.002	-4.02378	320.89300	2.48534	1275.42999	1626.20000	1.09311	110.20000	.00000	4.69700	-63.68000
.599	4.013	-4.02707	320.02900	2.48120	1275.14999	1624.89999	1.09287	110.20000	.00000	5.86600	-45.23000
.598	6.085	-4.04068	318.93400	2.47391	1272.28000	1620.80000	1.09277	110.20000	.00000	7.46200	-33.70000
	GRADIENT	-.00497	.03124	.00037	.18705	.21916	-.00001	-.01422	.00000	.00646	11.71771

RUN NO. 316/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.004	-4.01051	348.74800	1.99745	615.56100	1040.70003	1.21904	109.80000	.00000	7.36100	-146.13000
.900	-3.955	-3.95702	349.03500	1.99822	615.65500	1041.20000	1.21920	109.90000	.00000	5.76500	-134.85000
.900	-1.975	-3.94172	348.94700	1.99767	615.45800	1040.89999	1.21922	109.90000	.00000	4.60400	-116.49000
.900	-.040	-3.98250	348.96600	1.99659	615.65700	1041.10001	1.21915	110.20000	.00000	4.18900	-90.57000
.900	1.976	-4.05560	348.88700	1.99618	615.55900	1040.89999	1.21914	110.20000	.00000	4.70500	-64.15000
.900	4.019	-4.02313	349.30100	1.99941	616.24900	1042.10001	1.21915	110.00000	.00000	5.85500	-45.17000
.899	6.050	-4.03914	349.42300	2.00078	617.54300	1043.39999	1.21874	110.10000	.00000	7.41400	-33.85000
	GRADIENT	-.01234	.02407	.00005	.06527	.09140	-.00001	.02473	.00000	.01619	11.64080

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (14R029) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.269 BETA = -4.000
PHI = .000

RUN NO. 278/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-6.049	-4.03997	1.05266	.10700	.46066	.15522	.38008	-.35365	-.22486	-.34969	-.22461
.599	-3.981	-3.98539	1.07124	.16475	.40232	.17253	.39945	-.23757	-.22693	-.23391	-.22641
.599	-2.023	-4.03274	1.07883	.22187	.34341	.17714	.41590	-.12154	-.23876	-.11758	-.23912
.599	-1.004	-3.95431	1.07913	.25184	.31372	.18008	.41729	-.06188	-.23721	-.05743	-.23776
.598	-.021	-3.99013	1.07978	.28027	.28446	.17988	.41955	-.00419	-.23967	-.00020	-.24006
.598	.997	-4.01469	1.07860	.31034	.25379	.17729	.41972	.05655	-.24243	.05952	-.24319
.600	2.002	-4.02378	1.07351	33748	.22500	.17312	.41653	.11248	-.24342	.11587	-.24372
.599	4.013	-4.02707	1.06826	.39682	.16620	.16289	.40302	.23061	-.24012	.23428	-.24164
.598	6.085	-4.04068	1.05042	.45492	.10566	.14648	.38411	.34927	-.23763	.35246	-.23897
	GRADIENT	-.00497	-.00056	.02898	-.02953	-.00118	.00041	.05852	-.00160	.05845	-.00179

IA132(AEDC TF-505) TANK UPRT W/FRNG. LOUVR OPEN (I4R029) (12 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.269 BETA = -4.000
PHI = .000

RUN NO. 316/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-6.004	-4.01051	1.17146	.24886	.58607	.29653	.51749	-.33721	-.22095	-.33118	-.21888
.900	-3.955	-3.95702	1.18503	.30473	.53160	.31256	.53248	-.22687	-.21992	-.22034	-.21810
.900	-1.975	-3.94172	1.18849	.35824	.47737	.31773	.54077	-.11913	-.22305	-.11196	-.22163
.900	-.040	-3.98250	1.18790	.41078	.42260	.31725	.54564	-.01182	-.22839	-.00506	-.22713
.900	1.976	-4.05560	1.18605	.46694	.36628	.30981	.54576	.10056	-.23595	.10572	-.23481
.900	4.019	-4.02313	1.17940	.52266	.31005	.30138	.53301	.21261	-.23163	.21729	-.23064
.899	6.050	-4.03914	1.16503	.57612	.25417	.28522	.51732	.32195	-.23210	.32778	-.23158
	GRADIENT	-.01234	-.00070	.02736	-.02785	-.00153	.00028	.05521	-.00182	.05492	-.00192

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R029) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.269 BETA = -4.000
PHI = .000

RUN NO. 278/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-6.049	-4.03997	.28185	.26753	.27469	.05498	.00155
.599	-3.981	-3.98539	.28170	.28573	.28372	.05795	-.00572
.599	-2.023	-4.03274	.28065	.29670	.28868	.05962	-.00118
.599	-1.004	-3.95431	.28055	.29896	.28976	.05831	.00043
.598	-.021	-3.99013	.28037	.29992	.29014	.05879	-.00371
.598	.997	-4.01469	.28058	.29889	.28973	.05718	-.00187
.600	2.002	-4.02378	.27955	.29498	.28726	.05667	.00039
.599	4.013	-4.02707	.27968	.28372	.28170	.05874	.00133
.598	6.085	-4.04068	.27870	.26596	.27233	.05617	.00127
	GRADIENT	-.00497	-.00024	-.00029	-.00027	-.00009	.00069

RUN NO. 316/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-6.004	-4.01051	.41445	.40597	.41021	.05399	.00094
.900	-3.955	-3.95702	.41490	.42161	.41826	.05436	-.00074
.900	-1.975	-3.94172	.41422	.42854	.42138	.05509	-.00222
.900	-.040	-3.98250	.41331	.43082	.42206	.05519	-.00423
.900	1.976	-4.05560	.41398	.42721	.42060	.05477	-.00073
.900	4.019	-4.02313	.41401	.41670	.41536	.05448	.00175
.899	6.050	-4.03914	.41223	.40101	.40662	.05435	-.00157
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R030) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.002 BETA = -4.000
PHI = .000

RUN NO. 313/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETA!	PHI!
.900	-6.006	-4.01232	349.13300	2.00026	615.95300	1041.60001	1.21915	109.60000	.00000	7.36400	-146.13000
.900	-4.033	-4.04291	348.81700	1.99862	615.56000	1040.80000	1.21909	109.60000	.00000	5.87900	-134.79000
.900	-1.966	-3.91296	349.21200	2.00067	616.05100	1041.80000	1.21917	109.60000	.00000	4.57500	-116.55000
.900	-1.017	-3.97383	349.58800	2.00199	616.34300	1042.60001	1.21931	109.70000	.00000	4.30500	-104.28000
.900	-.023	-3.97979	349.49600	2.00215	616.84400	1042.89999	1.21906	109.70000	.00000	4.18600	-90.33000
.900	.989	-4.04147	349.88200	2.00406	617.23500	1043.80000	1.21917	109.70000	.00000	4.36300	-76.32000
.900	1.994	-4.00335	349.86300	2.00378	617.03500	1043.60001	1.21923	109.70000	.00000	4.66700	-63.65000
.900	4.009	-4.03435	349.56600	2.00197	616.84200	1043.00000	1.21911	109.80000	.00000	5.85600	-45.32000
.900	5.995	-3.99061	349.39800	2.00101	616.54600	1042.50000	1.21911	109.80000	.00000	7.34300	-33.77000
	GRADIENT	-.00499	.10896	.00051	.18946	.32264	.00000	.02370	.00000	.00345	11.67478

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R030) (12 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.002 BETA = -4.000
PHI = .000

RUN NO. 313/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-6.006	-4.01232	1.17309	.24798	.58427	.29564	.51714	-.33629	-.22149	-.33024	-.21870
.900	-4.033	-4.04291	1.18497	.30015	.53113	.30869	.53313	-.23099	-.22444	-.22414	-.22260
.900	-1.966	-3.91296	1.19104	.35793	.47618	.31868	.54038	-.11825	-.22170	-.11121	-.22017
.900	-1.017	-3.97383	1.19005	.38339	.44859	.31764	.54471	-.06520	-.22707	-.05865	-.22554
.900	-.023	-3.97979	1.19115	.41184	.42147	.31687	.54661	-.00962	-.22974	-.00272	-.22827
.900	.989	-4.04147	1.18881	.43830	.39206	.31271	.54747	.04623	-.23476	.05164	-.23335
.900	1.994	-4.00335	1.18834	.46726	.36545	.31194	.54365	.10180	-.23171	.10709	-.23033
.900	4.009	-4.03435	1.18116	.52175	.30859	.30052	.53308	.21316	-.23256	.21819	-.23148
.900	5.995	-3.99061	1.16853	.57522	.25535	.28827	.51676	.31987	-.22850	.32560	-.22783
	GRADIENT	-.00499	-.00052	.02756	-.02775	-.00121	.00021	.05531	-.00142	.05503	-.00151

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R030) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.002 BETA = -4.000
PHI = .000

RUN NO. 313/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-6.006	-4.01232	.41310	.40500	.40905	.05357	-.00358
.900	-4.033	-4.04291	.41222	.41999	.41610	.05416	.00124
.900	-1.966	-3.91296	.41353	.42876	.42115	.05496	-.00400
.900	-1.017	-3.97383	.41272	.43041	.42156	.05627	-.00424
.900	-.023	-3.97979	.41320	.43101	.42211	.05489	-.00444
.900	.989	-4.04147	.41246	.42938	.42093	.05404	-.00119
.900	1.994	-4.00335	.41371	.42711	.42041	.05568	.00322
.900	4.009	-4.03435	.41265	.41626	.41446	.05452	-.00061
.900	5.995	-3.99061	.41242	.40218	.40730	.05383	.00306
	GRADIENT	-.00499	.00005	-.00046	-.00021	.00002	.00024

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R031) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 449/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.019	-2.02823	323.14300	2.50554	1283.64999	1636.89999	1.09317	109.60000	.00000	6.52200	-161.31000
.599	-4.013	-1.99825	321.79200	2.49550	1280.89000	1632.60001	1.09297	109.90000	.00000	4.67800	-153.43000
.599	-1.992	-1.94062	320.98600	2.49009	1279.41000	1630.20000	1.09285	110.00000	.00000	3.00300	-135.57000
.600	-.012	-1.94444	323.15900	2.50394	1284.35001	1637.60001	1.09312	110.00000	.00000	2.18900	-90.40000
.599	1.953	-1.95759	321.69000	2.49615	1280.19000	1631.80000	1.09301	109.60000	.00000	2.98700	-45.31000
.599	3.956	-1.97610	322.63100	2.50163	1283.75999	1636.39999	1.09301	109.90000	.00000	4.61700	-26.66000
.599	5.962	-1.98244	321.67200	2.49430	1279.39999	1631.00000	1.09304	109.80000	.00000	6.45400	-18.46000
	GRADIENT	.00140	.11982	.00092	.32840	.46321	.00001	-.01994	.00000	-.00772	17.27997

RUN NO. 441/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.006	-2.01149	321.70300	1.99648	718.94800	1095.39999	1.17018	109.60000	.00000	6.50100	-161.42000
.800	-4.040	-2.02435	322.47800	2.00024	720.52800	1097.89999	1.17023	109.80000	.00000	4.71100	-153.30000
.799	-2.025	-2.02586	322.34000	1.99989	720.73100	1097.89999	1.17010	109.80000	.00000	3.08400	-134.79000
.797	-.008	-1.96516	321.47300	1.99910	722.54700	1098.39999	1.16916	109.60000	.00000	2.20900	-90.26000
.799	1.952	-1.96600	322.43400	2.00146	721.02800	1098.30000	1.17008	109.60000	.00000	2.99200	-45.44000
.799	3.977	-1.99917	322.25900	2.00127	720.63300	1097.70000	1.17007	109.40000	.00000	4.64400	-26.80000
.800	6.034	-2.02448	322.31500	2.00075	720.33200	1097.50000	1.17018	109.50000	.00000	6.53100	-18.61000
	GRADIENT	.00551	-.01772	.00018	.02615	.00004	-.00002	-.05001	.00000	-.01193	17.09856

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R031) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 482/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.956	-2.06115	349.77500	1.99825	616.83800	1043.30000	1.21925	110.80000	.00000	6.45500	-160.84000
.900	-4.011	-2.01355	349.38900	1.99625	616.44600	1042.39999	1.21914	110.80000	.00000	4.66900	-153.24000
.900	-1.966	-1.92702	349.18400	1.99438	615.75200	1041.50000	1.21927	110.90000	.00000	2.96700	-135.37000
.900	-.007	-2.05013	348.88700	1.99303	615.55900	1040.89999	1.21914	110.90000	.00000	2.28800	-90.13000
.901	1.976	-1.97322	350.23300	1.99881	616.52900	1043.70000	1.21968	111.00000	.00000	3.01000	-45.15000
.900	3.962	-1.98776	349.81200	1.99746	617.23600	1043.70000	1.21912	111.10000	.00000	4.61900	-26.73000
.899	5.973	-1.99820	348.60800	1.99150	615.56400	1040.50000	1.21895	111.00000	.00000	6.45600	-18.55000
	GRADIENT	.00033	.09494	.00033	.11777	.24021	.00002	.03522	.00000	-.00421	17.24610

RUN NO. 430/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-5.965	-1.98007	371.56800	1.89807	438.75000	936.70000	1.33743	109.70000	.00000	6.41800	-161.58000
1.102	-3.975	-2.00029	373.97800	1.90856	440.30600	941.90000	1.33842	109.80000	.00000	4.61700	-153.20000
1.101	-1.966	-1.91463	371.39700	1.89689	437.85800	935.80000	1.33796	109.60000	.00000	2.95000	-135.57000
1.100	-.010	-2.05005	371.83900	1.89920	439.24300	937.50000	1.33729	109.80000	.00000	2.28100	-90.27000
1.099	1.999	-2.00362	371.74100	1.89936	439.34400	937.40000	1.33713	109.70000	.00000	3.03600	-45.26000
1.101	3.959	-1.97545	372.34600	1.90104	439.13600	938.30000	1.33784	109.80000	.00000	4.59400	-26.60000
1.100	5.954	-1.98954	372.44000	1.90137	439.93000	939.00000	1.33731	110.00000	.00000	6.41000	-18.52000
	GRADIENT	-.00194	-.14807	-.00064	-.04381	-.28431	-.00010	.00493	.00000	.00147	17.31863

RUN NO. 360/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-5.953	-2.03615	404.09100	1.94777	369.70400	957.10000	1.42310	110.80000	.00000	6.42100	-161.06000
1.250	-3.992	-2.00539	404.69300	1.95107	370.19300	958.50000	1.42315	110.70000	.00000	4.63400	-153.25000
1.250	-2.019	-1.95831	404.41700	1.94895	369.60200	957.70000	1.42345	110.80000	.00000	3.01700	-135.72000
1.250	-.009	-2.02650	403.05200	1.94289	368.42700	954.50000	1.42339	110.70000	.00000	2.25800	-90.29000
1.250	1.997	-1.99900	403.48100	1.94560	369.01700	955.60000	1.42321	110.60000	.00000	3.03000	-45.27000
1.250	4.000	-1.99362	403.82200	1.94633	369.31100	956.40000	1.42323	110.80000	.00000	4.63600	-26.60000
1.250	6.014	-2.00874	404.06200	1.94667	369.60500	957.00000	1.42316	111.00000	.00000	6.46900	-18.54000
	GRADIENT	-.00087	-.13376	-.00064	-.11719	-.31461	-.00000	-.00003	.00000	.00164	17.19304

RUN NO. 416/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-5.958	-1.98641	429.41100	2.00266	313.10600	996.00000	1.49349	109.60000	.00000	6.40400	-161.54000
1.400	-3.982	-1.99167	429.32600	2.00224	313.00800	995.80000	1.49352	109.60000	.00000	4.61400	-153.38000
1.400	-1.981	-1.91795	429.11100	2.00120	312.81200	995.30000	1.49356	109.60000	.00000	2.95800	-135.80000
1.400	-.006	-2.06053	428.98400	2.00053	312.61600	995.00000	1.49366	109.60000	.00000	2.28800	-90.21000
1.400	1.960	-1.96382	429.76000	2.00369	313.20200	996.80000	1.49364	109.70000	.00000	2.97700	-45.30000
1.398	3.954	-1.98866	429.95900	2.00569	314.09100	997.30000	1.49295	109.60000	.00000	4.59000	-26.82000
1.399	6.024	-2.01818	430.39600	2.01083	314.18600	998.30000	1.49315	108.90000	.00000	6.47600	-18.60000
	GRADIENT	-.00201	.09646	.00047	.12890	.22668	-.00005	.00502	.00000	-.00182	17.33419

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R031) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 369/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-5.955	-2.05420	433.64700	2.00014	294.45400	1006.60000	1.51386	110.80000	.00000	6.42100	-160.90000
1.450	-4.015	-2.00850	433.13800	1.99799	294.26100	1005.40000	1.51371	110.80000	.00000	4.64900	-153.33000
1.450	-2.009	-2.01197	432.35900	1.99427	293.67400	1003.60000	1.51377	110.80000	.00000	3.04300	-134.76000
1.450	-.007	-2.03166	433.47600	1.99936	294.35600	1006.20000	1.51384	110.80000	.00000	2.26000	-90.15000
1.449	1.992	-2.00061	432.94000	1.99583	294.46100	1004.90000	1.51340	111.10000	.00000	3.02500	-45.29000
1.450	3.956	-1.97614	432.32300	1.99419	293.77400	1003.50000	1.51365	110.80000	.00000	4.58600	-26.61000
1.450	5.979	-1.98663	432.58800	1.99549	294.06800	1004.10000	1.51354	110.80000	.00000	6.42500	-18.41000
	GRADIENT	.00380	-.05229	-.00029	-.00911	-.12465	-.00003	.01515	.00000	-.00843	17.19782

RUN NO. 406/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-5.959	-2.04291	435.11500	1.99679	276.17000	1014.20000	1.53232	110.20000	.00000	6.42200	-161.05000
1.499	-4.036	-2.03166	435.07300	1.99727	276.46900	1014.00000	1.53201	110.10000	.00000	4.67800	-153.24000
1.501	-2.019	-2.00881	435.08900	1.99657	275.97200	1014.20000	1.53250	110.20000	.00000	3.04700	-134.99000
1.500	-.004	-2.05385	435.21800	1.99642	276.36800	1014.40000	1.53220	110.40000	.00000	2.28100	-90.10000
1.500	2.005	-2.01230	434.99600	1.99677	276.17200	1013.90000	1.53225	110.10000	.00000	3.04200	-45.29000
1.500	4.010	-1.99662	435.50700	2.00097	276.46400	1015.10000	1.53228	109.70000	.00000	4.64200	-26.55000
1.499	6.019	-2.00668	436.30100	2.00350	277.44900	1016.80000	1.53181	110.00000	.00000	6.46800	-18.49000
	GRADIENT	.00331	.03849	.00038	.00940	.09438	.00001	-.04465	.00000	-.00427	17.05484

RUN NO. 386/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.551	-6.016	-2.01129	437.49100	2.00104	259.87800	1027.30000	1.54965	109.50000	.00000	6.46500	-161.44000
1.551	-3.999	-2.00544	438.24400	2.00398	260.26700	1029.10001	1.54971	109.60000	.00000	4.63400	-153.26000
1.550	-1.985	-1.92471	438.42000	2.00403	260.76400	1029.30000	1.54932	109.80000	.00000	2.96400	-135.72000
1.551	-.002	-2.00490	437.07700	1.99917	259.68500	1026.30000	1.54960	109.50000	.00000	2.23300	-90.15000
1.549	2.010	-2.01096	438.49700	2.00588	260.96300	1029.39999	1.54917	109.50000	.00000	3.04500	-45.17000
1.550	3.967	-1.98389	438.11500	2.00395	260.36900	1028.70000	1.54954	109.50000	.00000	4.59900	-26.70000
1.549	5.994	-1.98424	437.47900	2.00124	260.37900	1027.00000	1.54916	109.50000	.00000	6.43800	-18.36000
	GRADIENT	-.00216	-.00886	.00009	.02064	-.03477	-.00003	-.02505	.00000	-.00063	17.24851

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R031) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 449/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.600	-6.019	-2.02823	1.07088	.12177	.47057	.21168	.32351	-.34880	-.11182	-.35420	-.11322
.599	-4.013	-1.99825	1.08683	.17827	.41314	.22925	.34245	-.23477	-.11320	-.23991	-.11489
.599	-1.992	-1.94062	1.09150	.23561	.35329	.23762	.35470	-.11768	-.11708	-.12277	-.11938
.600	-.012	-1.94444	1.09005	.29502	.29443	.23752	.35905	.00060	-.12153	-.00421	-.12409
.599	1.953	-1.95759	1.08688	.35294	.23593	.23121	.35603	.11701	-.12482	.11140	-.12747
.599	3.956	-1.97610	1.08295	.40948	.17830	.22093	.34299	.23118	-.12206	.22571	-.12470
.599	5.962	-1.98244	1.07005	.46633	.12010	.20357	.32639	.34623	-.12282	.34112	-.12580
	GRADIENT	.00140	-.00062	.02915	-.02953	-.00115	.00013	.05867	-.00128	.05861	-.00139

RUN NO. 441/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.800	-6.006	-2.01149	1.14942	.18578	.53039	.27829	.38802	-.34461	-.10973	-.34988	-.11161
.800	-4.040	-2.02435	1.16157	.24255	.47698	.29475	.40744	-.23443	-.11269	-.23923	-.11524
.799	-2.025	-2.02586	1.16548	.30013	.41723	.30080	.41958	-.11710	-.11878	-.12248	-.12146
.797	-.008	-1.96516	1.16586	.36027	.35857	.30206	.42173	.00170	-.11967	-.00307	-.12236
.799	1.952	-1.96600	1.16544	.41627	.30259	.29763	.41905	.11368	-.12141	.10774	-.12454
.799	3.977	-1.99917	1.16091	.47299	.24381	.28653	.40854	.22918	-.12201	.22316	-.12545
.800	6.034	-2.02448	1.14843	.52986	.18537	.26966	.39297	.34450	-.12331	.33833	-.12710
	GRADIENT	.00551	-.00007	.02883	-.02903	-.00098	.00009	.05787	-.00106	.05772	-.00118

RUN NO. 482/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-5.956	-2.06115	1.20574	.26039	.59012	.35010	.45849	-.32973	-.10839	-.33176	-.11016
.900	-4.011	-2.01355	1.21521	.31391	.53754	.36171	.47322	-.22364	-.11151	-.22567	-.11309
.900	-1.966	-1.92702	1.21564	.36694	.47725	.37029	.47973	-.11031	-.10944	-.11180	-.11168
.900	-.007	-2.05013	1.21850	.42572	.42368	.36798	.48944	.00204	-.12145	-.00103	-.12457
.901	1.976	-1.97322	1.20971	.47689	.36533	.36219	.48096	.11157	-.11878	.10828	-.12112
.900	3.962	-1.98776	1.21219	.53485	.31566	.35636	.47456	.21919	-.11820	.21594	-.12058
.899	5.973	-1.99820	1.20100	.58859	.25975	.34181	.46040	.32884	-.11859	.32608	-.12161
	GRADIENT	.00033	-.00060	.02775	-.02794	-.00094	.00020	.05569	-.00114	.05548	-.00123

RUN NO. 430/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.100	-5.965	-1.98007	1.32205	.45943	.75590	.54069	.63363	-.29647	-.09294	-.30049	-.09465
1.102	-3.975	-2.00029	1.33260	.50973	.70909	.55420	.64973	-.19937	-.09553	-.20350	-.09740
1.101	-1.966	-1.91463	1.33379	.55753	.65721	.55950	.65618	-.09968	-.09668	-.10326	-.09854
1.100	-.010	-2.05005	1.33348	.60507	.60463	.55387	.66058	.00044	-.10671	-.00352	-.10915
1.099	1.999	-2.00362	1.33210	.65579	.55539	.55096	.65733	.10040	-.10637	.09528	-.10915
1.101	3.959	-1.97545	1.32871	.70372	.50880	.54423	.64809	.19493	-.10386	.19007	-.10666
1.100	5.954	-1.98954	1.31950	.75191	.45982	.53070	.63610	.29209	-.10540	.28733	-.10790
	GRADIENT	-.00194	-.00048	.02452	-.02533	-.00143	-.00010	.04985	-.00133	.04970	-.00147

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R031) (12 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 360/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.250	-5.953	-2.03615	1.41272	.52458	.81888	.60422	.69760	-.29431	-.09338	-.29433	-.09402
1.250	-3.992	-2.00539	1.42111	.57175	.76973	.61648	.70918	-.19798	-.09270	-.19893	-.09385
1.250	-2.019	-1.95831	1.42479	.61802	.72055	.62137	.71740	-.10253	-.09603	-.10350	-.09722
1.250	-.009	-2.02650	1.42338	.66852	.66946	.61880	.72383	-.00094	-.10503	-.00151	-.10665
1.250	1.997	-1.99900	1.42304	.71799	.61988	.61512	.72241	.09811	-.10729	.09603	-.10937
1.250	4.000	-1.99362	1.41934	.76555	.57254	.60776	.71247	.19301	-.10471	.19094	-.10689
1.250	6.014	-2.00874	1.40872	.81518	.52496	.59539	.70035	.29022	-.10497	.28808	-.10687
	GRADIENT	-.00087	-.00027	.02438	-.02475	-.00119	.00058	.04913	-.00176	.04896	-.00191

RUN NO. 416/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.400	-5.958	-1.98641	1.48879	.54263	.84015	.61790	.72141	-.29752	-.10351	-.30035	-.10501
1.400	-3.982	-1.99167	1.49337	.58921	.78982	.62701	.73373	-.20060	-.10672	-.20371	-.10837
1.400	-1.981	-1.91795	1.49303	.63741	.73893	.63483	.74066	-.10152	-.10582	-.10462	-.10799
1.400	-.006	-2.06053	1.49068	.68876	.68542	.63290	.74564	.00334	-.11274	-.00056	-.11465
1.400	1.960	-1.96382	1.49059	.73992	.63619	.63316	.73840	.10373	-.10524	.09991	-.10753
1.398	3.954	-1.98866	1.49164	.79151	.59246	.62793	.72973	.19905	-.10180	.19481	-.10432
1.399	6.024	-2.01818	1.48479	.84203	.54614	.61643	.71674	.29589	-.10031	.29169	-.10250
	GRADIENT	-.00201	-.00030	.02559	-.02510	.00001	-.00052	.05070	.00052	.05055	.00043

RUN NO. 369/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.450	-5.955	-2.05420	1.50065	.54052	.83548	.61530	.72598	-.29496	-.11068	-.29637	-.11165
1.450	-4.015	-2.00850	1.50707	.58646	.78650	.62355	.73584	-.20004	-.11229	-.20207	-.11332
1.450	-2.009	-2.01197	1.50890	.63869	.73416	.63001	.74313	-.09548	-.11313	-.09758	-.11487
1.450	-.007	-2.03166	1.50824	.69254	.68135	.63398	.74063	.01119	-.10665	.00819	-.10823
1.449	1.992	-2.00061	1.50839	.74141	.63335	.63528	.73418	.10805	-.09891	.10518	-.10085
1.450	3.956	-1.97614	1.50456	.78901	.59101	.63069	.72416	.19801	-.09347	.19495	-.09556
1.450	5.979	-1.98663	1.49599	.83895	.55136	.62013	.71237	.28759	-.09224	.28446	-.09388
	GRADIENT	.00380	-.00028	.02546	-.02466	.00098	-.00162	.05013	.00260	.04999	.00248

RUN NO. 406/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.500	-5.959	-2.04291	1.52535	.54515	.83981	.61619	.72828	-.29466	-.11209	-.29761	-.11327
1.499	-4.036	-2.03166	1.52698	.59011	.78787	.62753	.73859	-.19776	-.11107	-.20133	-.11228
1.501	-2.019	-2.00881	1.52628	.63744	.73591	.63449	.74306	-.09847	-.10856	-.10208	-.11027
1.500	-.004	-2.05385	1.52373	.69271	.68776	.63411	.74075	.00495	-.10665	.00030	-.10853
1.500	2.005	-2.01230	1.52534	.74181	.63972	.63338	.73506	.10209	-.10168	.09775	-.10382
1.500	4.010	-1.99662	1.52315	.79071	.59880	.62984	.72962	.19191	-.09978	.18768	-.10206
1.499	6.019	-2.00668	1.52147	.84374	.55951	.62206	.71988	.28424	-.09782	.27944	-.10037
	GRADIENT	.00331	-.00043	.02513	-.02358	.00017	-.00129	.04871	.00146	.04861	.00134

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R031) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 386/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.551	-6.016	-2.01129	1.55407	.54631	.84250	.61532	.72649	-.29620	-.11117	-.29925	-.11266
1.551	-3.999	-2.00544	1.55205	.59421	.78674	.62258	.73585	-.19253	-.11327	-.19531	-.11480
1.550	-1.985	-1.92471	1.55396	.64151	.73480	.63114	.73961	-.09329	-.10846	-.09671	-.11004
1.551	-.002	-2.00490	1.55489	.68994	.68428	.63605	.73767	.00566	-.10162	.00108	-.10393
1.549	2.010	-2.01096	1.55369	.74088	.64054	.63829	.73222	.10034	-.09393	.09620	-.09658
1.550	3.967	-1.98389	1.55125	.79277	.60383	.63115	.72558	.18893	-.09442	.18421	-.09681
1.549	5.994	-1.98424	1.55264	.84755	.56562	.61855	.71507	.28193	-.09652	.27730	-.09920
	GRADIENT	-.00216	-.00009	.02491	-.02309	.00123	-.00140	.04800	.00262	.04777	.00248

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R031) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 449/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.600	-6.019	-2.02823	.29887	.26830	.28358	.05687	-.00047
.599	-4.013	-1.99825	.29833	.28670	.29251	.05721	-.00156
.599	-1.992	-1.94062	.29700	.29731	.29715	.05913	-.00243
.600	-.012	-1.94444	.29713	.29956	.29835	.05982	-.00250
.599	1.953	-1.95759	.29723	.29495	.29609	.05771	.00013
.599	3.956	-1.97610	.29663	.28328	.28995	.05708	.00092
.599	5.962	-1.98244	.29577	.26648	.28112	.05774	-.00128
	GRADIENT	.00140	-.00016	-.00046	-.00031	-.00008	.00038

RUN NO. 441/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.800	-6.006	-2.01149	.36072	.33409	.34741	.05602	-.00131
.800	-4.040	-2.02435	.36217	.35237	.35727	.05686	-.00291
.799	-2.025	-2.02586	.36137	.36153	.36145	.05917	-.00180
.797	-.008	-1.96516	.36181	.36324	.36252	.05788	-.00049
.799	1.952	-1.96600	.36240	.35990	.36115	.05648	-.00094
.799	3.977	-1.99917	.36141	.34926	.35533	.05671	-.00046
.800	6.034	-2.02448	.36070	.33321	.34695	.05563	-.00098
	GRADIENT	.00551	-.00003	-.00039	-.00021	-.00015	.00029

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R031) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 482/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-5.956	-2.06115	.42627	.40518	.41572	.05431	-.00277
.900	-4.011	-2.01355	.42674	.41825	.42250	.05499	.00102
.900	-1.966	-1.92702	.42284	.42613	.42449	.05642	-.00394
.900	-.007	-2.05013	.42623	.43027	.42825	.05604	-.00330
.901	1.976	-1.97322	.42275	.42275	.42275	.05440	.00251
.900	3.962	-1.98776	.42688	.41665	.42177	.05439	-.00070
.899	5.973	-1.99820	.42556	.40261	.41408	.05494	-.00041
	GRADIENT	.00033	.00001	-.00032	-.00016	-.00016	.00015

RUN NO. 430/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.100	-5.965	-1.98007	.60968	.58802	.59885	.04852	-.00205
1.102	-3.975	-2.00029	.61148	.60290	.60719	.04914	-.00005
1.101	-1.966	-1.91463	.60916	.60877	.60897	.05082	-.00360
1.100	-.010	-2.05005	.60683	.60844	.60764	.05032	-.00365
1.099	1.999	-2.00362	.60815	.60553	.60684	.04844	.00179
1.101	3.959	-1.97545	.60869	.59756	.60312	.04851	.00032
1.100	5.954	-1.98954	.60825	.58465	.59645	.04890	-.00109
	GRADIENT	-.00194	-.00033	-.00070	-.00052	-.00018	.00031

RUN NO. 360/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.250	-5.953	-2.03615	.67174	.65124	.66149	.04893	.00030
1.250	-3.992	-2.00539	.67121	.66341	.66731	.04809	-.00035
1.250	-2.019	-1.95831	.66976	.66999	.66988	.04975	-.00376
1.250	-.009	-2.02650	.66928	.67212	.67070	.05021	-.00375
1.250	1.997	-1.99900	.66997	.66981	.66989	.04753	.00063
1.250	4.000	-1.99362	.67008	.66120	.66564	.04770	.00089
1.250	6.014	-2.00874	.67114	.64882	.65998	.04849	-.00043
	GRADIENT	-.00087	-.00010	-.00023	-.00017	-.00015	.00035

RUN NO. 416/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.400	-5.958	-1.98641	.69280	.67041	.68161	.04900	-.00261
1.400	-3.982	-1.99167	.69107	.68120	.68613	.04875	.00011
1.400	-1.981	-1.91795	.68972	.68883	.68927	.05128	-.00239
1.400	-.006	-2.06053	.68904	.69022	.68963	.05273	-.00016
1.400	1.960	-1.96382	.68997	.68692	.68845	.04914	.00381
1.399	3.954	-1.98866	.69411	.68009	.68710	.04681	.00066
1.399	6.024	-2.01818	.69618	.66768	.68193	.04681	.00098
	GRADIENT	-.00201	.00032	-.00021	.00006	-.00030	.00037

!A132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R031) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 369/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.450	-5.955	-2.05420	.68871	.67112	.67991	.04782	-.00060
1.450	-4.015	-2.00850	.68750	.68021	.68386	.05021	-.00138
1.450	-2.009	-2.01197	.68748	.68744	.68746	.05339	.00122
1.450	-.007	-2.03166	.68844	.68810	.68827	.05098	.00412
1.449	1.992	-2.00061	.68881	.68570	.68726	.04672	.00333
1.450	3.956	-1.97614	.69154	.67847	.68500	.04479	.00173
1.450	5.979	-1.98663	.69672	.66707	.68189	.04397	.00038
	GRADIENT	.00380	.00047	-.00026	.00011	-.00088	.00042

RUN NO. 406/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.500	-5.959	-2.04291	.69395	.67283	.68339	.05045	.00035
1.499	-4.036	-2.03166	.69078	.68367	.68722	.04935	.00086
1.501	-2.019	-2.00881	.68848	.68963	.68906	.05006	.00074
1.500	-.004	-2.05385	.69256	.68837	.69046	.05042	.00177
1.500	2.005	-2.01230	.69293	.68529	.68911	.04621	.00182
1.500	4.010	-1.99662	.69687	.68087	.68887	.04481	.00059
1.499	6.019	-2.00668	.70402	.67224	.68813	.04611	.00097
	GRADIENT	.00331	.00083	-.00049	.00017	-.00064	.00003

RUN NO. 386/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.551	-6.016	-2.01129	.69593	.67165	.68379	.05229	-.00195
1.551	-3.999	-2.00544	.69186	.67997	.68592	.05004	.00073
1.550	-1.985	-1.92471	.68986	.68616	.68801	.04899	.00294
1.551	-.002	-2.00490	.68940	.68801	.68870	.04877	.00382
1.549	2.010	-2.01096	.69278	.68658	.68968	.04570	.00197
1.550	3.967	-1.98389	.70066	.67956	.69011	.04518	-.00117
1.549	5.994	-1.98424	.70890	.66815	.68853	.04630	-.00119
	GRADIENT	-.00216	.00103	-.00002	.00050	-.00065	-.00024

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R032) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.269 BETA = -2.000
PHI = .000

RUN NO. 279/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-5.993	-1.99457	319.75400	2.47931	1274.36000	1623.80000	1.09284	110.20000	.00000	6.48900	-161.56000
.599	-3.911	-1.96865	319.84600	2.47997	1274.64999	1624.20000	1.09287	110.20000	.00000	4.57500	-153.23000
.599	-1.998	-1.99166	320.05000	2.47903	1272.36000	1622.20000	1.09308	110.20000	.00000	3.04300	-134.94000
.599	-1.027	-1.95932	319.77700	2.47724	1271.66000	1621.20000	1.09307	110.20000	.00000	2.44700	-117.52000
.598	-.068	-1.95008	319.50300	2.47676	1274.66000	1623.80000	1.09276	110.50000	.00000	2.19400	-92.04000
.599	.987	-1.97931	319.89000	2.47706	1272.86000	1622.50000	1.09300	110.50000	.00000	2.44600	-63.75000
.599	1.974	-1.98016	320.01100	2.47936	1274.35001	1624.10001	1.09290	110.40000	.00000	3.01600	-45.28000
.600	3.954	-1.97069	319.75600	2.47586	1270.77000	1620.30000	1.09308	110.30000	.00000	4.61200	-26.57000
.599	6.105	-2.03768	320.37200	2.48219	1275.14000	1625.30000	1.09298	110.30000	.00000	6.60400	-18.51000
	GRADIENT	-.00016	-.00737	-.00038	-.24962	-.25292	.00001	.02637	.00000	.00620	17.88075

RUN NO. 318/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.955	-2.00844	349.95500	2.00135	616.53500	1043.30000	1.21949	110.20000	.00000	6.44100	-161.28000
.899	-4.010	-2.00651	348.96200	1.99730	616.35500	1041.70000	1.21889	110.20000	.00000	4.66900	-153.30000
.900	-2.014	-1.93176	349.45300	1.99847	615.64700	1041.80000	1.21949	110.20000	.00000	3.00700	-135.96000
.900	-.012	-2.03011	349.48700	1.99975	616.74400	1042.80000	1.21909	110.20000	.00000	2.27100	-90.35000
.899	1.975	-1.98291	349.27800	1.99894	616.74800	1042.50000	1.21895	110.20000	.00000	3.01600	-45.37000
.900	3.987	-2.00230	349.44900	1.99874	616.34500	1042.39999	1.21922	110.30000	.00000	4.64600	-26.80000
.900	5.952	-1.98017	349.22200	1.99765	616.15000	1041.89999	1.21914	110.30000	.00000	6.42900	-18.48000
	GRADIENT	-.00215	.04001	.00017	.05405	.10509	.00001	.01002	.00000	-.00166	17.19192

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R032) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.269 BETA = -2.000
PHI = .000

RUN NO. 279/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-5.993	-1.99457	1.06310	.12087	.47095	.21696	.32318	-.35008	-.10622	-.34690	-.10589
.599	-3.911	-1.96865	1.07795	.17851	.41022	.23259	.34363	-.23171	-.11104	-.22782	-.11092
.599	-1.998	-1.99166	1.08201	.23434	.35148	.23669	.35925	-.11714	-.12257	-.11334	-.12308
.599	-1.027	-1.95932	1.08175	.26233	.32277	.23927	.36067	-.06044	-.12140	-.05655	-.12202
.598	-.068	-1.95008	1.08514	.29383	.29654	.24037	.36284	-.00271	-.12247	.00086	-.12373
.599	.987	-1.97931	1.08153	.32409	.26345	.23651	.36099	.06065	-.12448	.06373	-.12588
.599	1.974	-1.98016	1.08057	.35370	.23398	.23383	.35739	.11971	-.12357	.12275	-.12499
.600	3.954	-1.97069	1.07345	.40800	.17783	.22369	.34305	.23017	-.11936	.23281	-.12075
.599	6.105	-2.03768	1.05779	.46794	.11614	.20319	.32700	.35181	-.12382	.35532	-.12589
	GRADIENT	-.00016	-.00052	.02942	-.02955	-.00108	-.00017	.05897	-.00091	.05879	-.00112

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R032) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.269 BETA = -2.000
PHI = .000

RUN NO. 318/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-5.955	-2.00844	1.17802	.26023	.59284	.35209	.46323	-.33261	-.11114	-.32649	-.10915
.899	-4.010	-2.00651	1.19003	.31325	.54143	.36603	.47912	-.22817	-.11309	-.22142	-.11060
.900	-2.014	-1.93176	1.19287	.36727	.48492	.37447	.48753	-.11765	-.11308	-.11028	-.11117
.900	-.012	-2.03011	1.19276	.42402	.42721	.37151	.49291	-.00319	-.12140	.00226	-.12022
.899	1.975	-1.98291	1.19082	.47992	.37092	.36741	.48908	.10900	-.12167	.11377	-.12031
.900	3.987	-2.00230	1.18577	.53343	.31638	.35792	.47893	.21705	-.12102	.22231	-.11952
.900	5.952	-1.98017	1.17386	.58491	.26281	.34418	.46325	.32210	-.11907	.32771	-.11818
	GRADIENT	-.00215	-.00053	.02767	-.02823	-.00117	.00006	.05590	-.00122	.05562	-.00135

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R032) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.269 BETA = -2.000
PHI = .000

RUN NO. 279/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-5.993	-1.99457	.29432	.26990	.28211	.05624	-.00049
.599	-3.911	-1.96865	.29242	.28805	.29023	.05906	-.00627
.599	-1.998	-1.99166	.29102	.29823	.29462	.05887	-.00123
.599	-1.027	-1.95932	.29060	.30028	.29544	.05908	.00049
.598	-.068	-1.95008	.29340	.30224	.29782	.05986	-.00283
.599	.987	-1.97931	.29223	.29945	.29584	.05999	-.00065
.599	1.974	-1.98016	.29232	.29632	.29432	.05835	.00214
.600	3.954	-1.97069	.29159	.28406	.28782	.05534	.00029
.599	6.105	-2.03768	.29028	.26613	.27821	.05777	-.00373
	GRADIENT	-.00016	.00002	-.00052	-.00025	-.00037	.00077

RUN NO. 318/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-5.955	-2.00844	.42347	.40667	.41507	.05361	-.00125
.899	-4.010	-2.00651	.42397	.42133	.42265	.05483	.00027
.900	-2.014	-1.93176	.42241	.43005	.42623	.05609	-.00294
.900	-.012	-2.03011	.42289	.43162	.42725	.05646	-.00290
.899	1.975	-1.98291	.42303	.42757	.42530	.05507	.00089
.900	3.987	-2.00230	.42228	.41768	.41998	.05350	.00037
.900	5.952	-1.98017	.42105	.40327	.41216	.05368	.00084
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R033) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.999 BETA = -2.000
PHI = .000

RUN NO.. 314/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.899	-6.025	-2.01541	348.56700	1.99706	615.86500	1040.70000	1.21880	109.80000	.00000	6.50900	-161.42000
.900	-3.988	-1.99062	348.65900	1.99690	615.36400	1040.39999	1.21906	109.80000	.00000	4.64300	-153.35000
.900	-2.024	-2.02493	348.93400	1.99779	616.05700	1041.39999	1.21898	110.00000	.00000	3.07900	-134.76000
.900	-1.012	-2.01653	349.98000	2.00339	617.53200	1044.20000	1.21912	110.00000	.00000	2.48900	-116.44000
.900	-.001	-1.96084	350.15100	2.00273	617.12900	1044.10001	1.21939	110.20000	.00000	2.20300	-90.06000
.900	.966	-2.04629	348.90000	1.99471	614.95900	1040.39999	1.21938	110.40000	.00000	2.19600	-65.00000
.900	2.017	-2.05915	348.86800	1.99545	615.35900	1040.70000	1.21920	110.30000	.00000	3.09900	-45.84000
.900	3.964	-1.98723	349.45800	1.99842	616.44500	1042.50000	1.21919	110.40000	.00000	4.62000	-26.76000
.900	5.978	-1.98813	349.89500	2.00032	616.63600	1043.30000	1.21941	110.40000	.00000	6.45500	-18.48000
	GRADIENT	-.00203	.04729	-.00017	.00822	.07607	.00003	.08114	.00000	-.00096	17.58172

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (14R033) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.999 BETA = -2.000
PHI = .000

RUN NO. 314/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.899	-6.025	-2.01541	1.17893	.25665	.59486	.35054	.46205	-.33820	-.11151	-.33201	-.10925
.900	-3.988	-1.99062	1.18919	.31251	.53868	.36658	.47749	-.22617	-.11090	-.21973	-.10856
.900	-2.024	-2.02493	1.19198	.36428	.48333	.36952	.48869	-.11905	-.11917	-.11224	-.11732
.900	-1.012	-2.01653	1.19191	.39355	.45378	.37147	.49049	-.06023	-.11901	-.05377	-.11801
.900	-.001	-1.96084	1.19317	.42385	.42593	.37293	.49026	-.00207	-.11733	.00314	-.11667
.900	.966	-2.04629	1.19155	.45079	.39838	.36765	.49180	.05241	-.12415	.05791	-.12339
.900	2.017	-2.05915	1.19008	.47952	.36950	.36403	.48962	.11003	-.12560	.11512	-.12453
.900	3.964	-1.98723	1.18573	.53256	.31683	.35804	.47749	.21573	-.11945	.22085	-.11827
.900	5.978	-1.98813	1.17269	.58515	.26082	.34336	.46214	.32433	-.11877	.32986	-.11817
	GRADIENT	-.00203	-.00043	.02790	-.02795	-.00117	.00008	.05585	-.00125	.05562	-.00140

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R033) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.999 BETA = -2.000
PHI = .000

RUN NO. 314/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.899	-6.025	-2.01541	.42265	.40516	.41391	.05556	.00192
.900	-3.988	-1.99062	.42238	.42086	.42162	.05422	-.00282
.900	-2.024	-2.02493	.42040	.42818	.42429	.05706	-.00317
.900	-1.012	-2.01653	.42044	.43048	.42546	.05719	.00212
.900	-.001	-1.96084	.42228	.43126	.42677	.05647	-.00338
.900	.966	-2.04629	.42183	.42934	.42559	.05571	-.00584
.900	2.017	-2.05915	.42196	.42629	.42413	.05394	.00215
.900	3.964	-1.98723	.42213	.41718	.41965	.05434	.00219
.900	5.978	-1.98813	.42022	.40245	.41133	.05405	-.00102
	GRADIENT	-.00203	.00009	-.00047	-.00019	-.00017	.00055

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R034) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.479 BETA = -1.000
PHI = .000

RUN NO. 280/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-6.033	-1.01164	319.48300	2.47649	1273.75999	1622.89999	1.09283	110.40000	.00000	6.29200	-170.48000
.599	-3.867	-.97174	318.55800	2.46756	1267.20000	1615.39999	1.09305	110.30000	.00000	4.18700	-165.89000
.599	-1.948	-.95813	321.32400	2.48868	1279.21001	1630.39999	1.09295	110.50000	.00000	2.39500	-153.64000
.599	-1.008	-1.00032	320.72200	2.48346	1275.42999	1626.00000	1.09307	110.40000	.00000	1.66000	-134.89000
.598	-.018	-.98420	319.68700	2.47909	1275.16000	1624.50000	1.09276	110.30000	.00000	1.24100	-91.19000
.599	.988	-1.00512	320.10800	2.48131	1274.85001	1624.70000	1.09291	110.20000	.00000	1.64800	-45.98000
.599	1.947	-.98097	318.97500	2.47091	1270.39000	1619.00000	1.09291	110.50000	.00000	2.40200	-26.95000
.599	3.967	-.99188	320.72900	2.48207	1275.73000	1626.30000	1.09304	110.70000	.00000	4.28500	-14.08000
.600	6.112	-1.02082	320.53800	2.48035	1271.25000	1621.70000	1.09332	110.20000	.00000	6.36800	-9.50000
	GRADIENT	-.00317	.08137	.00049	.38133	.46825	-.00001	.03427	.00000	.01484	23.09972

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R034) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.479 BETA = -1.000
PHI = .000

RUN NO. 280/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-6.033	-1.01164	1.06210	.12069	.47225	.24339	.29533	-.35156	-.05193	-.34826	-.05186
.599	-3.867	-.97174	1.07866	.18250	.40986	.26133	.31599	-.22736	-.05466	-.22319	-.05425
.599	-1.948	-.95813	1.08132	.23970	.35379	.26836	.33039	-.11409	-.06203	-.11048	-.06248
.599	-1.008	-1.00032	1.07997	.26550	.32476	.26776	.33398	-.05926	-.06622	-.05556	-.06713
.598	-.018	-.98420	1.08237	.29758	.29554	.26649	.33363	.00204	-.06714	.00455	-.06840
.599	.988	-1.00512	1.08126	.32586	.26613	.26376	.33229	.06072	-.06853	.06387	-.06951
.599	1.947	-.98097	1.07977	.35430	.23715	.26130	.32821	.11714	-.06691	.12010	-.06858
.599	3.967	-.99188	1.07232	.41026	.17871	.25111	.31561	.23155	-.06451	.23458	-.06595
.600	6.112	-1.02082	1.05477	.46912	.11838	.23076	.29809	.35074	-.06733	.35436	-.06903
	GRADIENT	-.00317	-.00067	.02922	-.02958	-.00146	-.00022	.05880	-.00124	.05864	-.00148

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R034) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.479 BETA = -1.000
PHI = .000

RUN NO. 280/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-6.033	-1.01164	.29482	.26932	.28207	.05735	-.00035
.599	-3.867	-.97174	.29409	.28846	.29128	.05852	-.00261
.599	-1.948	-.95813	.29494	.29960	.29727	.05814	-.00564
.599	-1.008	-1.00032	.29328	.30132	.29730	.05979	-.00307
.598	-.018	-.98420	.29530	.30069	.29800	.06015	-.00096
.599	.988	-1.00512	.29492	.29852	.29672	.05860	-.00026
.599	1.947	-.98097	.29425	.29559	.29492	.05813	.00170
.599	3.967	-.99188	.29297	.28408	.28853	.05591	.00005
.600	6.112	-1.02082	.29193	.26528	.27861	.05581	-.00218
	GRADIENT	-.00317	-.00010	-.00072	-.00041	-.00029	.00068

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R035) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 450/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-6.023	-.00029	322.03300	2.49714	1280.19000	1632.20000	1.09309	109.70000	.00000	-5.70700	.02000
.599	-4.008	.00025	321.88000	2.49765	1280.99001	1632.80000	1.09298	109.60000	.00000	-3.71400	.01000
.600	-1.999	.00034	323.26500	2.50383	1281.55000	1635.00000	1.09338	109.70000	.00000	-1.72800	.01000
.600	.004	-.00009	323.53300	2.50601	1282.05000	1635.80000	1.09340	109.60000	.00000	.24900	.01000
.599	1.999	.00063	322.54700	2.50301	1283.86000	1636.39999	1.09299	109.60000	.00000	2.21900	.01000
.599	3.998	.00072	322.53100	2.50181	1283.17000	1635.70000	1.09301	109.70000	.00000	4.19500	.01000
.599	5.983	.00077	321.46800	2.49579	1281.70000	1633.00000	1.09280	109.70000	.00000	6.15700	.01000
	GRADIENT	.00006	.02944	.00038	.33327	.36006	-.00002	.00500	.00000	.98766	-.00000

RUN NO. 442/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.799	-5.982	.00530	320.95800	1.99243	717.86600	1093.39999	1.17004	109.60000	.00000	-5.66200	-.03000
.800	-4.004	.00414	324.42300	2.01233	723.98000	1103.70000	1.17045	109.60000	.00000	-3.70600	-.04000
.798	-1.974	.00215	322.11400	2.00197	721.93400	1098.70003	1.16967	109.40000	.00000	-1.70200	-.04000
.802	-.002	.00033	323.89800	2.00597	719.20000	1098.60001	1.17136	109.50000	.00000	.24400	-.04000
.799	1.989	-.00055	322.42800	2.00224	720.92900	1098.20000	1.17009	109.40000	.00000	2.20900	-.04000
.799	3.988	-.00324	322.35300	2.00104	720.93000	1098.10001	1.17005	109.60000	.00000	4.18300	-.05000
.799	5.992	-.00519	322.11500	1.99989	720.73600	1097.60001	1.16997	109.60000	.00000	6.16200	-.05000
	GRADIENT	-.00088	-.19271	-.00112	-.35663	-.58818	-.00002	-.00008	.00000	.98707	-.00100

RUN NO. 483/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.990	-.00316	349.63500	1.99726	616.84100	1043.10001	1.21915	110.90000	.00000	-5.65600	.05000
.900	-4.009	-.00149	349.88200	1.99863	617.23500	1043.80000	1.21917	110.90000	.00000	-3.70200	.04000
.900	-1.974	-.00074	349.67300	1.99737	617.23900	1043.50000	1.21903	111.00000	.00000	-1.69600	.04000
.900	-.005	.00074	349.75600	1.99752	616.63800	1043.10001	1.21931	110.90000	.00000	.24400	.04000
.900	1.987	.00197	349.44900	1.99603	616.34500	1042.39999	1.21922	110.90000	.00000	2.20600	.04000
.900	4.012	.00313	349.07300	1.99382	616.05400	1041.60001	1.21907	111.00000	.00000	4.20200	.04000
.900	5.962	.00440	349.36100	1.99548	616.14700	1042.10001	1.21923	110.90000	.00000	6.12400	.04000
	GRADIENT	.00060	-.09220	-.00055	-.16258	-.27496	.00000	.00508	.00000	.98531	.00000

RUN NO. 431/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.101	-5.968	-.00652	373.86000	1.90843	440.60600	941.90000	1.33808	109.80000	.00000	-5.61200	.08000
1.099	-4.032	-.00455	371.89600	1.89973	439.54100	937.80000	1.33711	109.80000	.00000	-3.71100	.08000
1.100	-1.997	-.00218	371.64600	1.89804	438.84800	936.90000	1.33743	109.80000	.00000	-1.71300	.08000
1.101	.008	.00029	372.01800	1.89937	438.34600	937.20000	1.33815	109.70000	.00000	.25500	.07000
1.099	1.991	.00252	372.14700	1.90112	439.93500	938.50000	1.33704	109.80000	.00000	2.20300	.07000
1.098	4.002	.00457	371.63900	1.90015	440.04200	937.70000	1.33650	109.60000	.00000	4.17700	.07000
1.098	6.000	.00654	371.46300	1.89817	440.04400	937.40000	1.33634	109.90000	.00000	6.13900	.07000
	GRADIENT	.00114	-.00072	.00019	.10338	.06915	-.00008	-.01996	.00000	.98181	-.00150

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R035) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 361/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-5.953	.00048	404.45300	1.95298	369.89800	957.90000	1.42322	110.00000	.00000	-5.59800	.01000
1.250	-4.015	.00022	404.71500	1.95375	370.09400	958.50000	1.42326	110.10000	.00000	-3.69500	.01000
1.250	-2.012	.00084	404.72200	1.95353	370.29200	958.60000	1.42309	110.20000	.00000	-1.72900	.00000
1.250	.030	.00075	404.16300	1.95110	369.60400	957.20000	1.42325	110.10000	.00000	.27400	.00000
1.250	1.986	.00063	403.56100	1.94826	369.11500	955.80000	1.42319	110.10000	.00000	2.19500	.00000
1.250	4.012	.00162	403.71300	1.94885	369.11400	956.10000	1.42331	110.10000	.00000	4.18400	.01000
1.250	5.967	.00154	403.84400	1.94946	369.21100	956.40000	1.42334	110.10000	.00000	6.10200	.01000
	GRADIENT	.00013	-.15772	-.00075	-.15639	-.37875	.00001	-.00500	.00000	.98152	-.00000

RUN NO. 417/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-5.988	.01889	430.36600	2.00874	313.49300	998.20000	1.49378	109.20000	.00000	-5.62500	-.12000
1.400	-4.009	-.00019	430.23300	2.00781	313.59400	997.90000	1.49359	109.30000	.00000	-3.68400	.07000
1.400	-1.993	.00141	428.98000	2.00207	312.81300	995.00000	1.49347	109.30000	.00000	-1.70700	.08000
1.399	.014	.00447	428.46100	1.99878	312.52100	993.80000	1.49339	109.50000	.00000	.26100	.07000
1.400	1.989	.00602	428.94000	2.00128	312.61600	994.90000	1.49363	109.40000	.00000	2.19800	.08000
1.400	3.995	.00895	429.41300	2.00259	313.00700	996.00000	1.49359	109.60000	.00000	4.16500	.08000
1.400	5.983	.01118	429.89100	2.00469	313.20100	997.10000	1.49373	109.60000	.00000	6.11400	.07000
	GRADIENT	.00114	-.08457	-.00056	-.06886	-.19632	.00001	.03505	.00000	.98060	.00100

RUN NO. 370/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-5.985	-.00291	432.49400	1.99450	293.87100	1003.90000	1.51367	110.90000	.00000	-5.62200	.01000
1.449	-4.022	-.00309	432.59300	1.99559	294.16700	1004.10000	1.51345	110.80000	.00000	-3.69700	.02000
1.450	-1.984	-.00238	433.35600	1.99894	294.45700	1005.90000	1.51367	110.80000	.00000	-1.69800	.01000
1.450	-.006	-.00178	433.44400	1.99798	294.55500	1006.10000	1.51363	111.10000	.00000	.24100	.02000
1.450	2.015	-.00085	433.47600	1.99796	294.35600	1006.20000	1.51384	111.10000	.00000	2.22300	.01000
1.450	3.991	-.00049	433.01300	1.99553	294.26200	1005.10000	1.51364	111.20000	.00000	4.16100	.02000
1.450	5.989	.00318	432.58300	1.99401	293.96900	1004.10000	1.51363	111.10000	.00000	6.12000	.02000
	GRADIENT	.00034	.04838	-.00005	.00458	.11590	.00003	.05487	.00000	.98058	-.00001

RUN NO. 407/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-5.982	.00352	434.85100	1.99575	276.27300	1013.50000	1.53206	110.20000	.00000	-5.61900	.00000
1.499	-3.994	-.00209	434.28600	1.99332	276.18100	1012.10000	1.53180	110.20000	.00000	-3.66900	.01000
1.499	-1.989	.00129	435.46500	1.99863	276.76300	1014.90000	1.53196	110.20000	.00000	-1.70300	.01000
1.500	-.017	.00141	435.29700	1.99721	276.36700	1014.60000	1.53225	110.30000	.00000	.23000	.00000
1.501	1.997	.00142	435.87400	2.00022	276.55900	1016.00000	1.53242	110.20000	.00000	2.20600	.00000
1.500	3.994	-.00045	436.31800	2.00233	276.95100	1017.00000	1.53231	110.20000	.00000	4.16300	.00000
1.500	5.995	.00051	435.92400	2.00068	276.95600	1016.00000	1.53206	110.20000	.00000	6.12500	.00000
	GRADIENT	.00017	.22424	.00098	.06708	.54640	.00007	-.00004	.00000	.98055	-.00150

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R035) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 387/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.549	-5.993	.00491	437.61200	2.00185	260.47700	1027.30000	1.54914	109.50000	.00000	-5.63000	.00000
1.549	-3.979	.00061	437.89400	2.00405	260.57200	1028.00000	1.54921	109.30000	.00000	-3.65400	-.01000
1.550	-2.001	.00685	437.96800	2.00342	260.57100	1028.20000	1.54925	109.50000	.00000	-1.71400	-.01000
1.550	.002	.00024	438.00600	2.00453	260.57100	1028.30000	1.54927	109.30000	.00000	.24900	-.02000
1.551	1.995	-.00067	438.02000	2.00444	260.27000	1028.50000	1.54958	109.30000	.00000	2.20400	-.01000
1.550	3.995	-.00142	437.96600	2.00425	260.37100	1028.30000	1.54944	109.30000	.00000	4.16500	-.02000
1.549	5.980	-.00345	437.91600	2.00429	260.87200	1027.89999	1.54892	109.30000	.00000	6.11100	-.01000
	GRADIENT	-.00058	.00981	.00007	-.03526	.04508	.00004	-.01007	.00000	.98055	-.00100

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (14R035) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 450/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-6.023	-.00029	1.07288	.12954	.46615	.27306	.26474	-.33661	.00832	-.34257	.00496
.599	-4.008	.00025	1.08754	.18747	.40994	.28845	.28485	-.22246	.00360	-.22762	.00065
.600	-1.999	.00034	1.08868	.24435	.34930	.29499	.29686	-.10495	-.00188	-.11033	-.00367
.600	.004	-.00009	1.08880	.30134	.29248	.29564	.30197	.00886	-.00633	.00278	-.00842
.599	1.999	.00063	1.08965	.35963	.23585	.29112	.30006	.12378	-.00894	.11837	-.01094
.599	3.998	.00072	1.08341	.41577	.17870	.27761	.28758	.23708	-.00997	.23143	-.01175
.599	5.933	.00077	1.07102	.47255	.12145	.25943	.26945	.35110	-.01002	.34598	-.01211
	GRADIENT	.00006	-.00036	.02858	-.02878	-.00127	.00044	.05736	-.00171	.05731	-.00160

RUN NO. 442/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.799	-5.982	.00530	1.15232	.19270	.52972	.33879	.32929	-.33702	.00950	-.34280	.00569
.800	-4.004	.00414	1.16100	.25076	.47539	.35332	.34928	-.22513	.00404	-.23037	.00066
.798	-1.974	.00215	1.16658	.30791	.41582	.35920	.36057	-.10791	-.00137	-.11323	-.00379
.802	-.002	.00033	1.16395	.36279	.35693	.35943	.36387	.00586	-.00445	-.00032	-.00700
.799	1.989	-.00055	1.16517	.42080	.30288	.35458	.36242	.11792	-.00783	.11192	-.01042
.799	3.988	-.00324	1.16058	.47681	.24480	.34397	.35207	.23202	-.00809	.22622	-.01072
.799	5.992	-.00519	1.15014	.53349	.18814	.32691	.33687	.34535	-.00997	.33960	-.01261
	GRADIENT	-.00088	-.00011	.02832	-.02883	-.00117	.00038	.05716	-.00154	.05707	-.00147

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R035) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 483/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-5.990	-.00316	1.20674	.26551	.59073	.40759	.40060	-.32523	.00699	-.32768	.00374
.900	-4.009	-.00149	1.21511	.32054	.53689	.41744	.41755	-.21645	-.00011	-.21892	-.00245
.900	-1.974	-.00074	1.21871	.37526	.47915	.42501	.42858	-.10389	-.00357	-.10592	-.00575
.900	-.005	.00074	1.21764	.42902	.42223	.42615	.43206	.00679	-.00591	.00314	-.00845
.900	1.987	.00197	1.21684	.48460	.36928	.42117	.42975	.11531	-.00857	.11169	-.01133
.900	4.012	.00313	1.21181	.53945	.31335	.41074	.42003	.22610	-.00929	.22246	-.01191
.900	5.962	.00440	1.19978	.59294	.26028	.39534	.40467	.33266	-.00933	.32913	-.01178
	GRADIENT	.00060	-.00042	.02736	-.02784	-.00086	.00031	.05520	-.00117	.05501	-.00122

RUN NO. 431/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.101	-5.968	-.00652	1.32169	.46213	.75479	.58814	.58291	-.29267	.00523	-.29678	.00205
1.099	-4.032	-.00455	1.33081	.51037	.70796	.60043	.59727	-.19759	.00316	-.20200	.00027
1.100	-1.997	-.00218	1.33440	.56080	.65789	.60607	.60854	-.09709	-.00247	-.10100	-.00442
1.101	.008	.00029	1.33357	.61051	.60592	.60767	.61160	.00459	-.00394	-.00044	-.00641
1.099	1.991	.00252	1.33314	.65896	.55762	.60224	.60922	.10135	-.00698	.09631	-.00938
1.098	4.002	.00457	1.32801	.70742	.50779	.59107	.59902	.19963	-.00796	.19485	-.01042
1.098	6.000	.00654	1.31872	.75648	.45793	.57802	.58547	.29854	-.00745	.29326	-.00999
	GRADIENT	.00114	-.00034	.02454	-.02496	-.00112	.00022	.04950	-.00133	.04941	-.00131

RUN NO. 361/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.250	-5.953	.00048	1.41215	.52940	.81524	.65097	.65100	-.28584	-.00003	-.28685	-.00176
1.250	-4.015	.00022	1.42148	.57653	.76766	.66134	.66442	-.19113	-.00307	-.19210	-.00465
1.250	-2.012	.00084	1.42215	.62480	.71688	.66661	.67317	-.09208	-.00656	-.09289	-.00806
1.250	.030	.00075	1.42044	.67466	.66801	.66919	.67610	.00665	-.00691	.00487	-.00858
1.250	1.986	.00063	1.42253	.72164	.62178	.66554	.67314	.09986	-.00759	.09769	-.00948
1.250	4.012	.00162	1.41858	.77023	.57280	.65641	.66365	.19743	-.00724	.19523	-.00902
1.250	5.967	.00154	1.40810	.81870	.52681	.64338	.65060	.29190	-.00722	.28980	-.00963
	GRADIENT	.00013	-.00027	.02415	-.02418	-.00054	-.00008	.04833	-.00047	.04814	-.00051

RUN NO. 417/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.400	-5.988	.01889	1.48252	.54695	.84022	.67662	.66584	-.29326	.01078	-.29664	.00770
1.400	-4.009	-.00019	1.49389	.59534	.78966	.68475	.68042	-.19432	.00433	-.19768	.00121
1.400	-1.993	.00141	1.49306	.64517	.73831	.68924	.68893	-.09313	.00031	-.09673	-.00139
1.399	.014	.00447	1.48884	.69381	.68645	.68974	.69017	.00736	-.00043	.00284	-.00219
1.400	1.989	.00602	1.49105	.74314	.63970	.68496	.68761	.10344	-.00265	.09913	-.00467
1.400	3.995	.00895	1.49028	.79378	.59212	.67745	.68010	.20166	-.00264	.19727	-.00476
1.400	5.983	.01118	1.48436	.84331	.54643	.66552	.66656	.29688	-.00104	.29261	-.00311
	GRADIENT	.00114	-.00046	.02475	-.02470	-.00094	-.00009	.04945	-.00085	.04931	-.00076

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R035) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 370/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.450	-5.985	-.00291	1.50588	.54664	.83988	.67960	.66709	-.29323	.01251	-.29507	.00946
1.449	-4.022	-.00309	1.50704	.59320	.78968	.68702	.67809	-.19638	.00892	-.19849	.00598
1.450	-1.984	-.00238	1.49783	.64154	.73849	.69149	.68238	-.09695	.00911	-.09921	.00627
1.450	-.006	-.00178	1.50411	.68896	.68916	.69345	.68497	-.00021	.00848	-.00217	.00549
1.450	2.015	-.00085	1.50654	.73782	.63887	.68816	.68146	.09895	.00670	.09576	.00377
1.450	3.991	-.00049	1.50452	.78993	.59188	.68143	.67514	.19805	.00629	.19500	.00323
1.450	5.989	.00318	1.49835	.83960	.54989	.66981	.66318	.28971	.00663	.28676	.00357
	GRADIENT	.00034	.00018	.02444	-.02473	-.00072	-.00034	.04917	-.00038	.04903	-.00040

RUN NO. 407/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.500	-5.982	.00352	1.52119	.54835	.84617	.68049	.66638	-.29781	.01411	-.30122	.01109
1.499	-3.994	-.00209	1.52633	.59211	.79367	.68941	.67938	-.20155	.01003	-.20495	.00727
1.499	-1.989	.00129	1.52816	.64022	.74188	.69413	.68635	-.10166	.00781	-.10553	.00477
1.500	-.017	.00141	1.52324	.68907	.69067	.69296	.68838	-.00160	.00457	-.00498	.00168
1.501	1.997	.00142	1.52272	.73747	.64242	.68789	.68749	.09505	.00040	.09077	-.00161
1.500	3.994	-.00045	1.52309	.78853	.59876	.67909	.68160	.18977	-.00251	.18533	-.00448
1.500	5.995	.00051	1.52044	.84286	.55830	.66979	.67020	.28456	-.00042	.28000	-.00207
	GRADIENT	.00017	-.00060	.02455	-.02451	-.00135	.00028	.04906	-.00163	.04894	-.00150

RUN NO. 387/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.549	-5.993	.00491	1.55217	.54658	.84809	.67328	.66456	-.30151	.00872	-.30485	.00552
1.549	-3.979	.00061	1.55581	.59425	.79628	.68168	.67702	-.20203	.00466	-.20556	.00151
1.550	-2.001	.00685	1.55785	.63378	.74312	.68457	.68241	-.10933	.00216	-.11288	-.00021
1.550	.002	.00024	1.56129	.68311	.69075	.68825	.68516	-.00764	.00309	-.01108	.00021
1.551	1.995	-.00067	1.55473	.73574	.64745	.68542	.68181	.08829	.00361	.08401	.00047
1.550	3.995	-.00142	1.54862	.79208	.60632	.67949	.67566	.18576	.00383	.18115	.00071
1.549	5.980	-.00345	1.55110	.84651	.56465	.66857	.66753	.28186	.00104	.27692	-.00114
	GRADIENT	-.00058	-.00088	.02495	-.02385	-.00018	-.00017	.04880	-.00001	.04865	-.00005

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R035) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 450/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-6.023	-.00029	.30083	.27058	.28570	.05651	-.00217
.599	-4.008	.00025	.30128	.28813	.29470	.05811	-.00208
.600	-1.999	.00034	.29952	.29682	.29817	.05733	-.00238
.600	.004	-.00009	.29994	.29985	.29990	.05712	-.00195
.599	1.999	.00063	.30044	.29659	.29852	.05737	-.00071
.599	3.998	.00072	.30006	.28349	.29177	.05682	-.00022
.599	5.983	.00077	.29956	.26548	.28252	.05816	-.00016
	GRADIENT	.00006	-.00008	-.00047	-.00027	-.00013	.00027

RUN NO. 442/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.799	-5.982	.00530	.36410	.33595	.35003	.05658	-.00258
.800	-4.004	.00414	.36595	.35299	.35947	.05733	-.00246
.798	-1.974	.00215	.36452	.36110	.36281	.05775	-.00179
.802	-.002	.00033	.36295	.36292	.36294	.05659	-.00184
.799	1.989	-.00055	.36484	.35979	.36232	.05675	-.00087
.799	3.988	-.00324	.36370	.34933	.35652	.05705	-.00028
.799	5.992	-.00519	.36369	.33321	.34845	.05636	-.00128
	GRADIENT	-.00088	-.00021	-.00043	-.00032	-.00008	.00026

RUN NO. 483/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-5.990	-.00316	.42935	.40572	.41753	.05473	-.00350
.900	-4.009	-.00149	.42990	.41867	.42428	.05523	-.00238
.900	-1.974	-.00074	.42822	.42789	.42806	.05566	-.00126
.900	-.005	.00074	.42745	.43037	.42891	.05486	-.00157
.900	1.987	.00197	.42875	.42684	.42780	.05449	-.00092
.900	4.012	.00313	.42822	.41670	.42246	.05476	.00005
.900	5.962	.00440	.42837	.40123	.41480	.05467	.00008
	GRADIENT	.00060	-.00014	-.00025	-.00020	-.00010	.00026

RUN NO. 431/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.101	-5.968	-.00652	.61051	.58711	.59881	.04885	-.00044
1.099	-4.032	-.00455	.61136	.60029	.60583	.04919	-.00186
1.100	-1.997	-.00218	.61130	.60828	.60979	.05017	-.00172
1.101	.008	.00029	.61073	.61087	.61080	.04948	-.00113
1.099	1.991	.00252	.61081	.60693	.60887	.04867	-.00123
1.098	4.002	.00457	.61000	.59628	.60314	.04921	-.00000
1.098	6.000	.00654	.60984	.58301	.59643	.04926	.00032
	GRADIENT	.00114	-.00016	-.00046	-.00031	-.00007	.00021

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R035) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 361/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.250	-5.953	.00048	.67282	.65185	.66234	.04862	-.00133
1.250	-4.015	.00022	.67258	.66367	.66812	.04942	-.00182
1.250	-2.012	.00084	.67124	.67064	.67094	.04887	-.00095
1.250	.030	.00075	.67223	.67348	.67285	.04733	-.00027
1.250	1.986	.00063	.67280	.67028	.67154	.04776	-.00014
1.250	4.012	.00162	.67262	.66091	.66676	.04836	.00009
1.250	5.967	.00154	.67380	.64819	.66100	.04840	-.00052
	GRADIENT	.00013	.00008	-.00029	-.00010	-.00016	.00023

RUN NO. 417/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.400	-5.988	.01889	.69527	.67277	.68402	.04999	-.00372
1.400	-4.009	-.00019	.69418	.68414	.68916	.05008	-.00239
1.400	-1.993	.00141	.69354	.68993	.69174	.04997	-.00044
1.399	.014	.00447	.69239	.69084	.69162	.04907	-.00091
1.400	1.989	.00602	.69357	.68730	.69043	.04886	-.00089
1.400	3.995	.00895	.69514	.67983	.68749	.04851	.00057
1.400	5.983	.01118	.69700	.66707	.68204	.04767	.00096
	GRADIENT	.00114	.00010	-.00056	-.00023	-.00021	.00027

RUN NO. 370/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.450	-5.985	-.00291	.69418	.67487	.68453	.04940	-.00231
1.449	-4.022	-.00309	.69254	.68403	.68829	.04884	-.00071
1.450	-1.984	-.00238	.69115	.68835	.68975	.04900	.00019
1.450	-.006	-.00178	.69004	.69071	.69037	.04846	-.00082
1.450	2.015	-.00085	.68994	.68627	.68811	.04978	-.00064
1.450	3.991	-.00049	.69242	.67981	.68612	.04851	.00002
1.450	5.989	.00318	.69622	.66802	.68212	.04464	.00024
	GRADIENT	.00034	-.00007	-.00052	-.00030	.00001	.00003

RUN NO. 407/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.500	-5.982	.00352	.69896	.67495	.68695	.04828	-.00213
1.499	-3.994	-.00209	.69459	.68578	.69018	.04872	-.00151
1.499	-1.989	.00129	.69298	.69178	.69238	.05090	-.00133
1.500	-.017	.00141	.69156	.69212	.69184	.04944	-.00160
1.501	1.997	.00142	.69208	.68869	.69039	.04695	-.00186
1.500	3.994	-.00045	.69586	.68133	.68859	.04746	-.00019
1.500	5.995	.00051	.70286	.67082	.68684	.04722	.00190
	GRADIENT	.00017	.00008	-.00060	-.00026	-.00032	.00011

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R035) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 387/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.549	-5.993	.00491	.69901	.67052	.68476	.05031	-.00221
1.549	-3.979	.00061	.69703	.68092	.68898	.04727	-.00155
1.550	-2.001	.00685	.69023	.68468	.68745	.04900	-.00017
1.550	.002	.00024	.68865	.68814	.68839	.04976	.00025
1.551	1.995	-.00067	.69373	.68519	.68946	.04758	.00022
1.550	3.995	-.00142	.70151	.67914	.69032	.04871	-.00036
1.549	5.980	-.00345	.70805	.66914	.68860	.04801	-.00122
	GRADIENT	-.00058	.00063	-.00015	.00024	.00007	.00014

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R036) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.279 BETA = .000
PHI = .000

RUN NO. 309/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.597	-5.961	.00454	321.32600	2.49138	1286.67999	1637.70000	1.09238	111.10000	.00000	-5.64500	-.04000
.597	-3.968	.00255	320.74700	2.49597	1283.91000	1634.30000	1.09242	109.40000	.00000	-3.67400	-.04000
.597	-2.043	.00138	321.59700	2.49308	1287.28000	1638.60001	1.09242	111.10000	.00000	-1.77000	-.04000
.598	-.997	.00057	322.30400	2.49533	1288.16000	1640.30000	1.09254	111.40000	.00000	-.73700	-.04000
.599	-.013	-.00074	321.84800	2.49936	1283.28000	1635.00000	1.09281	109.60000	.00000	.23400	-.04000
.598	1.002	-.00059	321.00200	2.49593	1283.80000	1634.50000	1.09252	109.60000	.00000	1.23500	-.04000
.599	1.971	-.00162	321.93800	2.50105	1283.48000	1635.30000	1.09282	109.40000	.00000	2.19200	-.04000
.598	4.016	-.00363	322.00000	2.49736	1286.17000	1638.00000	1.09261	110.50000	.00000	4.21300	-.05000
.599	5.985	-.00503	322.11600	2.49429	1283.77000	1635.80000	1.09287	110.80000	.00000	6.15900	-.05000
	GRADIENT	-.00076	.10398	.00053	-.07049	.05550	.00004	-.01974	.00000	.98756	-.00096

RUN NO. 319/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.968	.00015	349.26300	1.99750	615.85000	1041.70000	1.21928	110.30000	.00000	-5.63600	.04000
.901	-4.015	.00096	349.99600	2.00029	616.23400	1043.10001	1.21963	110.40000	.00000	-3.71000	.04000
.901	-1.988	.00160	350.08400	2.00129	616.43200	1043.39999	1.21962	110.30000	.00000	-1.71200	.04000
.900	.005	.00320	350.15100	2.00228	617.12900	1044.10001	1.21939	110.30000	.00000	.25200	.04000
.900	1.995	.00453	349.67300	2.00053	617.23900	1043.50000	1.21903	110.30000	.00000	2.21100	.04000
.899	3.986	.00583	349.29700	1.99877	616.94700	1042.70000	1.21889	110.30000	.00000	4.17400	.04000
.899	5.989	.00680	348.89300	1.99704	616.35700	1041.60001	1.21883	110.20000	.00000	6.14800	.04000
	GRADIENT	.00063	-.09032	-.00019	.11185	-.03464	-.00010	-.01004	.00000	.98528	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R036) (12 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.279 BETA = .000
PHI = .000

RUN NO. 309/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.597	-5.961	.00454	1.04578	.12857	.46512	.27269	.26879	-.33655	.00390	-.33631	.00160
.597	-3.968	.00255	1.05866	.18472	.40808	.28668	.28588	-.22336	.00080	-.22242	-.00085
.597	-2.043	.00138	1.06770	.24228	.35376	.29704	.30011	-.11148	-.00307	-.11106	-.00487
.598	-.997	.00057	1.06399	.26990	.32088	.29757	.30273	-.05098	-.00516	-.05036	-.00693
.599	-.013	-.00074	1.06226	.29731	.29230	.29657	.30304	.00501	-.00647	.00457	-.00801
.598	1.002	-.00059	1.06616	.32844	.26434	.29701	.30404	.06410	-.00702	.06446	-.00884
.599	1.971	-.00162	1.06198	.35564	.23638	.29200	.30081	.11926	-.00880	.11950	-.01050
.598	4.016	-.00363	1.05837	.41482	.17846	.28048	.28945	.23636	-.00897	.23592	-.01095
.599	5.985	-.00503	1.04009	.46744	.12031	.26214	.26851	.34713	-.00636	.34717	-.00856
	GRADIENT	-.00076	-.00026	.02873	-.02883	-.00086	.00039	.05756	-.00125	.05741	-.00127

RUN NO. 319/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-5.968	.00015	1.18005	.26463	.59228	.41143	.40498	-.32765	.00646	-.32253	.00689
.901	-4.015	.00096	1.18921	.31898	.54002	.42306	.42170	-.22104	.00136	-.21547	.00261
.901	-1.988	.00160	1.19234	.37417	.48324	.42636	.43189	-.10907	-.00353	-.10320	-.00163
.900	.005	.00320	1.19291	.42834	.42684	.43056	.43696	.00150	-.00639	.00564	-.00431
.900	1.995	.00453	1.18977	.48225	.37099	.42468	.43309	.11126	-.00842	.11542	-.00685
.899	3.986	.00583	1.18469	.53644	.31632	.41389	.42277	.22012	-.00888	.22435	-.00720
.899	5.989	.00680	1.17257	.58982	.26190	.39691	.40801	.32792	-.01110	.33211	-.00926
	GRADIENT	.00063	-.00058	.02717	-.02800	-.00110	.00017	.05517	-.00127	.05495	-.00124

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R036) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.279 BETA = .000
PHI = .000

RUN NO. 309/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.597	-5.961	.00454	.29673	.27189	.28431	.05707	-.00100
.597	-3.968	.00255	.29593	.28711	.29152	.05732	-.00169
.597	-2.043	.00138	.29781	.29947	.29864	.05861	-.00221
.598	-.997	.00057	.29508	.30104	.29806	.05634	-.00156
.599	-.013	-.00074	.29503	.30057	.29780	.05739	-.00071
.598	1.002	-.00059	.29621	.30143	.29882	.05840	-.00136
.599	1.971	-.00162	.29589	.29725	.29657	.05631	-.00151
.598	4.016	-.00363	.29686	.28595	.29141	.05692	.00077
.599	5.985	-.00503	.29386	.26642	.28014	.05631	.00144
	GRADIENT	-.00076	.00002	-.00022	-.00010	-.00010	.00027

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R036) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.279 BETA = .000
PHI = .000

RUN NO. 319/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-5.968	.00015	.42589	.40800	.41695	.05460	-.00215
.901	-4.015	.00096	.42672	.42175	.42424	.05527	-.00226
.901	-1.988	.00160	.42577	.42918	.42747	.05497	-.00166
.900	.005	.00320	.42552	.43272	.42912	.05480	-.00139
.900	1.995	.00453	.42454	.42810	.42632	.05516	-.00064
.899	3.986	.00583	.42427	.41749	.42088	.05418	-.00040
.899	5.989	.00680	.42377	.40154	.41266	.05362	-.00134
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R037) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.494 BETA = .000
PHI = .000

RUN NO. 294/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.597	-5.993	.00062	320.67000	2.48982	1284.31000	1634.60001	1.09237	110.50000	.00000	-5.68900	.04000
.597	-4.000	.00036	320.76000	2.49206	1284.50000	1634.89999	1.09241	110.20000	.00000	-3.71900	.04000
.598	-2.037	.00119	320.53400	2.48911	1282.12000	1632.30000	1.09249	110.20000	.00000	-1.77900	.04000
.598	-.982	.00145	320.85800	2.49049	1281.31000	1631.89999	1.09266	110.10000	.00000	-.73700	.04000
.599	.015	.00179	321.56700	2.49561	1282.28999	1633.70000	1.09280	109.90000	.00000	.24600	.04000
.599	.982	.00216	322.64900	2.50235	1284.56000	1637.20000	1.09295	109.90000	.00000	1.20300	.04000
.598	1.992	.00259	321.61800	2.49817	1284.48000	1635.89999	1.09266	109.80000	.00000	2.20400	.04000
.598	3.973	.00462	321.61100	2.49845	1284.17999	1635.60001	1.09269	109.70000	.00000	4.16400	.05000
.597	5.989	.00570	319.93600	2.48815	1282.23000	1631.70000	1.09231	109.90000	.00000	6.15900	.05000
	GRADIENT	.00049	.17585	.00133	.15850	.36416	.00004	-.07165	.00000	.98871	.00095

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R037) (12 FEB 80)

REFERENCE DATA

SCALE = 0700

PARAMETRIC DATA

RN/L = 2.494 BETA = .000
PHI = .000

RUN NO. 294/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.597	-5.993	.00062	1.06293	.12785	.46820	.27648	.26976	-.34035	.00672	-.33503	.00676
.597	-4.000	.00036	1.07384	.18423	.41042	.28849	.28801	-.22613	.00048	-.22058	.00157
.598	-2.037	.00119	1.07916	.24148	.35353	.29707	.29959	-.11205	-.00251	-.10668	-.00085
.598	-.982	.00145	1.07823	.27077	.32230	.29882	.30403	-.05153	-.00521	-.04605	-.00332
.599	.015	.00179	1.07864	.30045	.29309	.30024	.30551	.00736	-.00528	.01132	-.00366
.599	.982	.00216	1.07655	.32710	.26622	.29760	.30483	.06088	-.00724	.06589	-.00586
.598	1.992	.00259	1.07634	.35648	.23681	.29341	.30333	.11967	-.00991	.12436	-.00834
.598	3.973	.00462	1.06877	.41212	.17998	.28119	.29149	.23214	-.01029	.23641	-.00897
.597	5.989	.00570	1.05364	.46923	.12162	.26212	.27152	.34761	-.00940	.35230	-.00806
	GRADIENT	.00049	-.00066	.02858	-.02890	-.00089	.00054	.05748	-.00143	.05731	-.00143

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R037) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.494 BETA = .000
PHI = .000

RUN NO. 294/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.597	-5.993	.00062	.29536	.27310	.28423	.05719	-.00315
.597	-4.000	.00036	.29458	.28770	.29114	.05788	-.00151
.598	-2.037	.00119	.29482	.29750	.29616	.05762	-.00229
.598	-.982	.00145	.29380	.30048	.29714	.05770	-.00117
.599	.015	.00179	.29479	.30207	.29843	.05680	-.00097
.599	.982	.00216	.29415	.30053	.29734	.05709	-.00288
.598	1.992	.00259	.29430	.29758	.29594	.05768	-.00171
.598	3.973	.00462	.29391	.28568	.28980	.05663	.00041
.597	5.989	.00570	.29308	.26615	.27962	.05793	.00048
	GRADIENT	.00049	-.00008	-.00018	-.00013	-.00013	.00017

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R038) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.480 BETA = .000
PHI = .000

RUN NO. 281/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-5.986	-.00062	318.62500	2.47075	1270.09000	1618.30000	1.09285	110.20000	.00000	-5.67100	.00000
.599	-4.005	-.00112	320.49000	2.48330	1276.53000	1626.80000	1.09292	110.40000	.00000	-3.71200	.00000
.599	-1.973	-.00168	319.64900	2.47764	1273.56000	1622.89999	1.09289	110.30000	.00000	-1.70300	.00000
.600	-1.017	-.00180	320.62400	2.48018	1271.25000	1621.80000	1.09334	110.30000	.00000	-.75900	.00000
.600	.007	-.00225	321.06000	2.48537	1275.22000	1626.20000	1.09319	110.30000	.00000	.25200	.00000
.598	1.024	-.00172	319.33200	2.47709	1274.66000	1623.60001	1.09272	110.30000	.00000	1.25500	.00000
.600	1.982	-.00213	320.52700	2.47879	1270.75000	1621.20000	1.09336	110.40000	.00000	2.20200	.00000
.599	3.980	-.00245	321.37000	2.48863	1277.50999	1628.80000	1.09310	110.30000	.00000	4.17600	.00000
.600	6.016	-.00225	320.51000	2.47815	1270.05000	1620.50000	1.09341	110.40000	.00000	6.18900	.00000
	GRADIENT	-.00015	.09374	.00049	.04174	.15206	.00002	-.00484	.00000	.98768	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R038) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.480 BETA = .000
PHI = .000

RUN NO. 281/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-5.986	-.00062	1.06660	.12795	.46714	.27505	.26669	-.33919	.00836	-.33626	.00624
.599	-4.005	-.00112	1.07211	.18562	.40989	.29042	.28550	-.22427	.00492	-.22082	.00386
.599	-1.973	-.00168	1.08277	.24356	.35077	.29712	.29813	-.10722	-.00101	-.10381	-.00198
.600	-1.017	-.00180	1.07780	.26952	.32063	.29740	.30000	-.05110	-.00260	-.04792	-.00359
.600	.007	-.00225	1.07856	.29949	.29278	.29841	.30253	.00671	-.00412	.00907	-.00531
.598	1.024	-.00172	1.08239	.32839	.26367	.29691	.30272	.06472	-.00581	.06769	-.00699
.600	1.982	-.00213	1.07466	.35464	.23516	.29043	.29866	.11948	-.00823	.12218	-.00915
.599	3.980	-.00245	1.07211	.41317	.17923	.28034	.28860	.23394	-.00826	.23647	-.00959
.600	6.016	-.00225	1.05628	.46856	.12093	.26093	.26890	.34763	-.00797	.35100	-.00897
	GRADIENT	-.00015	-.00027	.02844	-.02890	-.00129	.00040	.05734	-.00168	.05721	-.00171

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R038) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.480 BETA = .000
PHI = .000

RUN NO. 281/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-5.986	-.00062	.29608	.27193	.28400	.05865	-.00063
.599	-4.005	-.00112	.29603	.28849	.29226	.05755	-.00235
.599	-1.973	-.00168	.29546	.29812	.29679	.05875	-.00218
.600	-1.017	-.00180	.29348	.29919	.29634	.05686	-.00157
.600	.007	-.00225	.29496	.30106	.29801	.05636	-.00158
.598	1.024	-.00172	.29454	.30040	.29747	.05758	-.00211
.600	1.982	-.00213	.29355	.29501	.29428	.05677	-.00174
.599	3.980	-.00245	.29494	.28513	.29004	.05694	.00044
.600	6.016	-.00225	.29306	.26542	.27924	.05591	.00023
	GRADIENT	-.00015	-.00017	-.00043	-.00030	-.00014	.00027

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R039) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.477 BETA = 1.000
PHI = .000

RUN NO. 282/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.598	-6.025	1.00938	319.14600	2.47466	1274.07001	1622.80000	1.09270	110.50000	.00000	6.28500	170.45000
.599	-3.851	.96651	320.15400	2.47738	1273.14999	1623.10001	1.09307	110.70000	.00000	4.17200	165.82000
.599	-1.988	.99786	319.36200	2.47419	1272.27000	1621.30000	1.09290	110.50000	.00000	2.45000	153.05000
.599	-.979	.97255	320.27500	2.48024	1274.64000	1624.70000	1.09300	110.50000	.00000	1.62300	134.63000
.599	-.018	1.03258	320.44200	2.47973	1274.44000	1624.70000	1.09305	110.70000	.00000	1.29200	91.02000
.600	.881	1.03076	319.82800	2.47405	1270.17000	1619.80000	1.09318	110.60000	.00000	1.59900	50.05000
.600	1.969	.99018	320.43600	2.47767	1270.55000	1620.85999	1.09335	110.50000	.00000	2.42600	26.98000
.598	3.984	.99765	319.69600	2.47780	1275.55000	1624.89999	1.09276	110.60000	.00000	4.30300	14.15000
.599	6.100	1.02882	319.60300	2.47527	1271.57001	1620.89999	1.09301	110.40000	.00000	6.35800	9.63000
	GRADIENT	.00392	-.00264	.00007	.05172	.04751	-.00000	-.00713	.00000	.01948	-22.90980

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R039) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.477 BETA = 1.000
PHI = .000

RUN NO. 282/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.598	-6.025	1.00938	1.06218	.12316	.46930	.29870	.24253	-.34615	.05617	-.34266	.05523
.599	-3.851	.96651	1.07548	.18679	.40664	.31462	.26158	-.21984	.05304	-.21624	.05093
.599	-1.988	.99786	1.07721	.23876	.35198	.32190	.26852	-.11321	.05338	-.10942	.05210
.599	-.979	.97255	1.07970	.26892	.32396	.32426	.27235	-.05504	.05191	-.05131	.05014
.599	-.018	1.03258	1.07987	.29779	.29546	.32736	.27243	.00233	.05493	.00485	.05264
.600	.881	1.03076	1.07739	.32189	.26439	.32578	.27223	.05750	.05355	.06075	.05069
.600	1.969	.99018	1.07654	.35567	.23374	.32046	.27191	.12193	.04856	.12476	.04613
.598	3.984	.99765	1.07282	.41455	.17748	.30888	.26049	.23707	.04839	.23997	.04522
.599	6.100	1.02882	1.05375	.47187	.11728	.28706	.24116	.35459	.04590	.35781	.04317
	GRADIENT	.00392	-.00036	.02914	-.02949	-.00064	.00002	.05863	-.00066	.05850	-.00085

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R039) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.477 BETA = 1.000
PHI = .000

RUN NO. 282/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.598	-6.025	1.00938	.29449	.27108	.28279	.05844	-.00314
.599	-3.851	.96651	.29491	.28915	.29203	.05760	.00036
.599	-1.988	.99786	.29347	.29585	.29466	.05752	-.00186
.599	-.979	.97255	.29458	.29919	.29689	.05744	.00074
.599	-.018	1.03258	.29536	.30104	.29820	.06081	.00113
.600	.881	1.03076	.29151	.30043	.29597	.06131	-.00427
.600	1.969	.99018	.29329	.29740	.29534	.05760	-.00295
.598	3.984	.99765	.29456	.28628	.29042	.05643	.00006
.599	6.100	1.02882	.29297	.26548	.27922	.05530	-.00148
	GRADIENT	.00392	-.00011	-.00021	-.00016	-.00003	-.00019

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R040) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 451/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-5.956	1.99078	321.80800	2.49614	1281.59000	1633.30000	1.09292	109.90000	.00000	6.45200	161.45000
.600	-4.008	2.00758	322.91300	2.50060	1281.16000	1634.20000	1.09330	109.90000	.00000	4.67800	153.28000
.600	-1.998	2.00518	322.49900	2.49997	1281.77000	1634.30000	1.09312	109.80000	.00000	3.05200	134.68000
.600	.006	2.05726	323.21200	2.50416	1282.95000	1636.30000	1.09325	109.80000	.00000	2.29900	89.83000
.599	2.007	1.99417	322.07000	2.49581	1281.78000	1633.80000	1.09299	110.20000	.00000	3.04900	45.04000
.600	3.981	1.97756	322.39600	2.49839	1281.08000	1633.50000	1.09313	109.90000	.00000	4.63900	26.53000
.600	5.954	2.02230	322.45700	2.49889	1279.98000	1632.50000	1.09323	109.70000	.00000	6.45800	18.83000
	GRADIENT	-.00354	-.07323	-.00045	-.00688	-.09449	-.00002	.02007	.00000	-.00511	-17.17426

RUN NO. 443/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-5.997	2.00342	318.62700	1.97804	711.82700	1084.70000	1.17025	109.40000	.00000	6.49100	161.46000
.800	-3.967	1.98091	320.19000	1.98806	715.18700	1089.89999	1.17028	109.30000	.00000	4.62800	153.35000
.799	-1.981	1.98613	322.06500	2.00026	719.93800	1096.80000	1.17014	109.30000	.00000	3.02500	134.69000
.799	.011	2.06175	322.29600	2.00111	721.23100	1098.30000	1.16995	109.60000	.00000	2.30300	89.70000
.799	2.041	1.92827	319.73900	1.98492	715.19700	1089.30000	1.17003	109.60000	.00000	3.02700	43.59000
.802	3.988	1.99230	324.11100	2.00735	720.19300	1099.80000	1.17123	109.60000	.00000	4.64900	26.65000
.800	6.022	2.02638	322.61000	2.00182	720.22600	1097.80000	1.17037	109.50000	.00000	6.51900	18.66000
	GRADIENT	-.00182	.27405	.00115	.26047	.60980	.00009	.04519	.00000	.00168	-17.29556

RUN NO. 484/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.009	2.02840	349.09200	1.99365	616.25300	1041.80000	1.21901	111.10000	.00000	6.49500	161.28000
.900	-4.005	2.00039	349.33200	1.99371	615.84900	1041.80000	1.21933	111.20000	.00000	4.65900	153.35000
.900	-2.002	1.99999	349.08300	1.99351	616.15300	1041.70000	1.21904	111.10000	.00000	3.04200	134.78000
.900	.012	2.02625	349.16100	1.99391	616.25100	1041.89999	1.21906	111.10000	.00000	2.26300	89.60000
.899	2.035	1.92032	349.54300	1.99743	617.34100	1043.39999	1.21890	110.90000	.00000	3.01300	43.50000
.900	4.016	1.96327	349.91000	1.99860	617.53300	1044.10001	1.21908	111.00000	.00000	4.65500	26.13000
.900	6.023	2.02955	349.67300	1.99737	617.23900	1043.50000	1.21903	111.00000	.00000	6.51100	18.67000
	GRADIENT	-.00769	.08043	.00068	.22698	.31375	-.00003	-.02993	.00000	-.00234	-17.22413

RUN NO. 432/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-5.958	1.99088	372.77200	1.90341	439.82600	939.50000	1.33769	109.80000	.00000	6.41400	161.48000
1.100	-4.016	2.00411	373.15600	1.90561	440.91400	940.90000	1.33721	109.90000	.00000	4.65600	153.40000
1.100	-1.974	1.98158	372.30400	1.90118	439.83300	938.70000	1.33726	109.90000	.00000	3.00200	134.69000
1.100	.011	2.04910	371.62500	1.89730	439.04700	937.00000	1.33725	110.00000	.00000	2.27900	89.70000
1.100	1.996	1.99719	371.74200	1.89818	439.04600	937.20000	1.33735	109.90000	.00000	3.02800	45.21000
1.100	4.040	2.01946	371.85900	1.89820	439.04400	937.40000	1.33746	110.00000	.00000	4.68300	26.65000
1.100	5.974	2.01056	371.89700	1.89899	439.24200	937.60000	1.33735	109.90000	.00000	6.43500	18.66000
	GRADIENT	.00230	-.15719	-.00089	-.22549	-.42336	.00003	.00999	.00000	.00402	-17.06327

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R040) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 362/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-5.964	1.99862	403.83600	1.94789	369.01300	956.30000	1.42350	110.40000	.00000	6.41900	161.41000
1.250	-3.980	1.99633	404.00300	1.94923	369.40800	956.80000	1.42329	110.30000	.00000	4.61900	153.26000
1.250	-1.979	1.98308	404.09100	1.95047	369.70400	957.10000	1.42310	110.20000	.00000	3.00500	134.72000
1.250	.013	2.01096	404.41700	1.95165	369.60200	957.70000	1.42345	110.20000	.00000	2.24000	89.62000
1.250	2.027	1.92152	404.63500	1.95244	369.99600	958.30000	1.42328	110.30000	.00000	2.99500	43.65000
1.250	3.990	1.94534	404.78000	1.95236	369.79600	958.50000	1.42357	110.40000	.00000	4.60400	26.06000
1.247	6.047	2.01971	403.85000	1.95060	370.79500	957.10000	1.42194	110.20000	.00000	6.50200	18.51000
	GRADIENT	-.00822	.10520	.00040	.05369	.23071	.00004	.01500	.00000	-.00274	-17.32527

RUN NO. 418/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-5.970	2.00949	428.29200	1.99693	312.22600	993.40000	1.49355	109.70000	.00000	6.42200	161.34000
1.400	-3.969	1.97802	429.11100	2.00120	312.81200	995.30000	1.49356	109.60000	.00000	4.59700	153.40000
1.400	-1.982	1.98637	430.06400	2.00548	313.29800	997.50000	1.49375	109.60000	.00000	3.00600	134.68000
1.400	.016	2.02712	430.01800	2.00677	313.39700	997.40000	1.49363	109.30000	.00000	2.25300	89.46000
1.400	2.039	1.92766	428.59200	2.00072	312.52000	994.10000	1.49348	109.20000	.00000	3.00500	43.49000
1.399	4.006	1.95361	430.40000	2.00881	313.98800	998.30000	1.49334	109.30000	.00000	4.61800	26.02000
1.400	6.023	2.02165	430.36400	2.00881	313.59200	998.20000	1.49369	109.20000	.00000	6.47500	18.56000
	GRADIENT	-.00541	.05450	.00052	.07820	.12814	-.00004	-.05015	.00000	.00188	-17.33125

RUN NO. 371/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-5.958	1.99159	433.19000	1.99966	294.45800	1005.50000	1.51356	110.50000	.00000	6.40400	161.49000
1.450	-3.955	1.98460	433.56900	1.99989	294.55400	1006.40000	1.51371	110.80000	.00000	4.58600	153.28000
1.449	-2.023	2.02359	432.81100	1.99849	294.36300	1004.60000	1.51340	110.40000	.00000	3.06000	134.82000
1.450	.015	2.02562	432.67100	1.99944	294.06700	1004.30000	1.51360	111.10000	.00000	2.25200	89.58000
1.450	2.003	1.99575	433.43400	1.99733	294.35700	1006.10000	1.51382	111.20000	.00000	3.02700	45.09000
1.449	3.994	1.95164	432.76900	1.99646	294.36400	1004.50000	1.51338	110.80000	.00000	4.60700	26.14000
1.450	6.007	2.03078	432.75900	1.99487	294.16600	1004.50000	1.51356	111.10000	.00000	6.46300	18.72000
	GRADIENT	-.00474	-.04857	-.00040	-.01933	-.11432	-.00001	.04063	.00000	.00125	-17.27994

RUN NO. 408/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.499	-5.959	1.99893	435.93600	2.00079	277.05500	1016.00000	1.53197	110.20000	.00000	6.40800	161.41000
1.499	-3.975	1.99561	434.07600	1.99238	276.08400	1011.60000	1.53177	110.20000	.00000	4.60900	153.26000
1.499	-1.987	1.98639	436.82600	2.00530	277.54200	1018.10000	1.53205	110.10000	.00000	3.01000	134.76000
1.499	.009	2.03060	435.76600	2.00002	276.95800	1015.60000	1.53196	110.20000	.00000	2.25700	89.69000
1.499	2.048	1.92711	434.69300	1.99556	276.27500	1013.10000	1.53196	110.10000	.00000	3.01200	43.48000
1.500	3.968	1.94695	435.06000	1.99716	276.37000	1014.00000	1.53210	110.10000	.00000	4.58100	26.18000
1.500	6.030	2.02132	435.28500	1.99897	276.26800	1014.60000	1.53233	109.90000	.00000	6.48100	18.58000
	GRADIENT	-.00790	-.00903	-.00001	-.03526	-.01182	.00003	-.01006	.00000	-.00392	-17.35836

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R040) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 388/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.549	-6.067	2.02667	438.17800	2.00117	260.86800	1028.60001	1.54908	110.20000	.00000	6.51700	161.51000
1.550	-4.056	2.08181	438.10100	2.00121	260.66900	1028.50000	1.54923	110.10000	.00000	4.71800	152.77000
1.550	-1.903	2.08858	438.44000	2.00228	260.86400	1029.30000	1.54923	110.20000	.00000	3.02600	132.14000
1.550	.148	1.91996	438.13800	2.00137	260.66800	1028.60001	1.54926	110.10000	.00000	2.15400	85.71000
1.548	2.041	1.93248	438.25700	2.00312	261.26700	1028.60001	1.54873	109.90000	.00000	3.01000	43.60000
1.550	3.991	1.94992	437.98600	2.00156	260.47100	1028.30000	1.54936	109.90000	.00000	4.60300	26.09000
1.550	6.025	2.02221	438.17500	2.00294	260.66800	1028.70000	1.54927	109.80000	.00000	6.47700	18.61000
	GRADIENT	-.02112	-.01988	.00008	.00081	-.05319	-.00001	-.03443	.00000	-.02078	-17.04326

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R040) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 451/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-5.956	1.99078	1.06805	.12712	.45977	.32838	.21144	-.33265	.11694	-.33797	.11523
.600	-4.008	2.00758	1.07915	.18234	.40392	.34361	.22772	-.22158	.11588	-.22651	.11419
.600	-1.998	2.00518	1.08893	.24183	.34888	.35225	.23858	-.10705	.11367	-.11231	.11208
.600	.006	2.05726	1.08787	.29776	.28981	.35602	.24128	.00795	.11474	.00235	.11238
.599	2.007	1.99417	1.08835	.35658	.23055	.34952	.24211	.12603	.10741	.12070	.10451
.600	3.981	1.97756	1.08098	.41333	.17509	.33639	.23217	.23824	.10422	.23282	.10152
.600	5.954	2.02230	1.06308	.46648	.11871	.31722	.21175	.34777	.10546	.34261	.10271
	GRADIENT	-.00354	.00016	.02886	-.02882	-.00085	.00063	.05769	-.00148	.05763	-.00165

RUN NO. 443/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.800	-5.997	2.00342	1.14699	.19041	.52528	.39300	.27604	-.33487	.11695	-.33992	.11445
.800	-3.967	1.98091	1.15933	.24817	.46949	.40749	.29392	-.22132	.11356	-.22624	.11102
.799	-1.981	1.98613	1.16402	.30535	.41347	.41435	.30417	-.10812	.11017	-.11298	.10815
.799	.011	2.06175	1.16564	.36184	.35537	.41935	.30782	.00647	.11153	.00044	.10892
.799	2.041	1.92827	1.16396	.41985	.29482	.41023	.30851	.12503	.10172	.11923	.09879
.802	3.998	1.99230	1.15922	.47541	.24075	.40193	.29594	.23466	.10599	.22876	.10259
.800	6.022	2.02638	1.14255	.53084	.18297	.38382	.27735	.34787	.10648	.34202	.10293
	GRADIENT	-.00182	-.00001	.02854	-.02891	-.00076	.00043	.05745	-.00119	.05731	-.00132

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R040) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 484/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-6.009	2.02840	1.20226	.26290	.58615	.46210	.34731	-.32325	.11479	-.32560	.11177
.900	-4.005	2.00039	1.21145	.31745	.53255	.47265	.36180	-.21509	.11085	-.21729	.10730
.900	-2.002	1.99999	1.21705	.37327	.47797	.48098	.37201	-.10469	.10897	-.10665	.10559
.900	.012	2.02625	1.21730	.42819	.42083	.48295	.37636	.00736	.10659	.00434	.10390
.899	2.035	1.92032	1.21679	.48461	.36392	.47654	.37845	.12069	.09809	.11714	.09451
.900	4.016	1.96327	1.20950	.53815	.30973	.46588	.36619	.22842	.09970	.22494	.09579
.900	6.023	2.02955	1.19584	.59256	.25535	.45131	.34892	.33721	.10239	.33324	.09870
	GRADIENT	-.00769	-.00021	.02753	-.02787	-.00089	.00076	.05540	-.00165	.05519	-.00170

RUN NO. 432/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.100	-5.958	1.99088	1.31759	.46205	.74901	.63670	.53552	-.28696	.10118	-.29091	.09861
1.100	-4.016	2.00411	1.32737	.50995	.70186	.64861	.54829	-.19190	.10033	-.19516	.09802
1.100	-1.974	1.98158	1.33135	.55973	.65262	.65323	.55780	-.09289	.09543	-.09660	.09292
1.100	.011	2.04910	1.33250	.60803	.60289	.65719	.56122	.00514	.09596	.00031	.09352
1.100	1.996	1.99719	1.33134	.65765	.55318	.65136	.56154	.10447	.08982	.09969	.08696
1.100	4.040	2.01946	1.32672	.70825	.50474	.64286	.55122	.20351	.09164	.19832	.08845
1.100	5.974	2.01056	1.31545	.75422	.45630	.62900	.53796	.29792	.09103	.29274	.08757
	GRADIENT	.00230	-.00007	.02462	-.02458	-.00067	.00048	.04921	-.00114	.04896	-.00125

RUN NO. 362/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.250	-5.964	1.99862	1.40880	.52787	.81127	.70019	.60196	-.28340	.09823	-.28348	.09576
1.250	-3.980	1.99633	1.41826	.57556	.76346	.71228	.61501	-.18791	.09727	-.18793	.09518
1.250	-1.979	1.98308	1.42252	.62414	.71516	.71742	.62276	-.09102	.09466	-.09181	.09254
1.250	.013	2.01096	1.42069	.67230	.66625	.71808	.62575	.00604	.09233	.00405	.09024
1.250	2.027	1.92152	1.42199	.72322	.61659	.71142	.62700	.10663	.08442	.10503	.08182
1.250	3.990	1.94534	1.41807	.77042	.57099	.70455	.61790	.19943	.08664	.19742	.08366
1.247	6.047	2.01971	1.39969	.81793	.52087	.69088	.60075	.29705	.09013	.29479	.08683
	GRADIENT	-.00822	-.00004	.02451	-.02424	-.00107	.00051	.04875	-.00158	.04851	-.00169

RUN NO. 418/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.400	-5.970	2.00949	1.48640	.54075	.83614	.71811	.62237	-.29540	.09574	-.29839	.09324
1.400	-3.969	1.97802	1.49110	.58982	.78755	.72704	.63446	-.19773	.09258	-.20086	.09063
1.400	-1.982	1.98637	1.49147	.63743	.73807	.73497	.64028	-.10063	.09469	-.10393	.09271
1.400	.016	2.02712	1.49056	.68628	.68624	.73896	.64046	.00004	.09850	-.00303	.09614
1.400	2.039	1.92766	1.48924	.73951	.63459	.73490	.63924	.10492	.09565	.10073	.09283
1.399	4.006	1.95361	1.49012	.79071	.58954	.72767	.63304	.20117	.09462	.19671	.09180
1.400	6.023	2.02165	1.48146	.84121	.54321	.71568	.61597	.29801	.09972	.29360	.09643
	GRADIENT	-.00541	-.00021	.02523	-.02501	.00006	-.00019	.05024	.00025	.05006	.00012

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (14R040) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 371/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.450	-5.958	1.99159	1.49755	.54044	.83405	.71157	.62521	-.29361	.08636	-.29528	.08459
1.450	-3.955	1.98460	1.50474	.58761	.78563	.72144	.63758	-.19802	.08386	-.20020	.08171
1.449	-2.023	2.02359	1.50799	.63365	.73930	.73003	.64214	-.10565	.08789	-.10785	.08608
1.450	.015	2.02562	1.50762	.68061	.69131	.73530	.64181	-.01070	.09348	-.01257	.09131
1.450	2.003	1.99575	1.50753	.73361	.63883	.73727	.63609	.09478	.10118	.09154	.09865
1.449	3.994	1.95164	1.50176	.78544	.59021	.73031	.62980	.19522	.10051	.19205	.09775
1.450	6.007	2.03078	1.49158	.83562	.54736	.72161	.61426	.28826	.10735	.28471	.10459
	GRADIENT	-.00474	-.00032	.02488	-.02466	.00125	-.00109	.04954	.00234	.04939	.00224

RUN NO. 408/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.499	-5.959	1.99893	1.52188	.54384	.83910	.71969	.62710	-.29526	.09258	-.29829	.09039
1.499	-3.975	1.99561	1.52600	.59175	.78954	.72825	.63716	-.19779	.09109	-.20119	.08898
1.499	-1.987	1.98639	1.52618	.63986	.74097	.73091	.64168	-.10110	.08926	-.10473	.08751
1.499	.009	2.03060	1.52352	.68718	.69224	.73508	.64289	-.00506	.09219	-.00855	.08999
1.499	2.048	1.92711	1.52534	.73666	.63890	.73623	.64287	.09776	.09336	.09327	.09082
1.500	3.968	1.94695	1.52216	.78564	.59710	.73050	.63460	.18854	.09590	.18441	.09298
1.500	6.030	2.02132	1.51673	.83991	.55565	.72032	.61902	.28427	.10129	.27963	.09865
	GRADIENT	-.00790	-.00043	.02432	-.02445	.00050	-.00019	.04877	.00069	.04866	.00057

RUN NO. 388/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.549	-6.067	2.02667	1.55544	.54770	.84764	.71577	.62553	-.29994	.09024	-.30296	.08745
1.550	-4.056	2.08181	1.55298	.58932	.79384	.72263	.63529	-.20452	.08734	-.20779	.08474
1.550	-1.903	2.08858	1.55326	.63682	.73643	.72986	.64186	-.09960	.08800	-.10327	.08552
1.550	.148	1.91996	1.55558	.68407	.68671	.72962	.64260	-.00264	.08702	-.00599	.08428
1.548	2.041	1.93248	1.55369	.73238	.64430	.73357	.63704	.08808	.09654	.08371	.09345
1.550	3.991	1.94992	1.55128	.78633	.60484	.72915	.63078	.18148	.09837	.17680	.09509
1.550	6.025	2.02221	1.55188	.84221	.56381	.72106	.61774	.27840	.10332	.27335	.10023
	GRADIENT	-.02112	-.00014	.02441	-.02349	.00085	-.00066	.04790	.00151	.04772	.00141

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R040) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 451/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-5.956	1.99078	.29610	.27077	.28344	.05729	-.00022
.600	-4.008	2.00758	.29559	.28652	.29105	.05706	-.00115
.600	-1.998	2.00518	.29799	.29621	.29710	.05662	.00011
.600	.006	2.05726	.29658	.29983	.29820	.05852	-.00197
.599	2.007	1.99417	.29623	.29727	.29675	.05837	-.00358
.600	3.981	1.97756	.29692	.28564	.29128	.05585	-.00002
.600	5.954	2.02230	.29518	.26586	.28052	.05554	.00091
	GRADIENT	-.00354	.00005	-.00003	.00001	-.00003	-.00007

RUN NO. 443/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.800	-5.997	2.00342	.36037	.33577	.34807	.05569	-.00148
.800	-3.967	1.98091	.36130	.35198	.35664	.05664	-.00211
.799	-1.981	1.98613	.36184	.36027	.36106	.05682	.00049
.798	.011	2.06175	.36162	.36489	.36325	.05797	-.00303
.799	2.041	1.92827	.36023	.36083	.36053	.05766	-.00203
.802	3.988	1.99230	.36103	.35064	.35583	.05562	.00237
.800	6.022	2.02638	.35982	.33236	.34609	.05573	-.00094
	GRADIENT	-.00182	-.00011	-.00010	-.00011	-.00006	.00032

RUN NO. 484/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-6.009	2.02840	.42570	.40622	.41596	.05372	-.00249
.900	-4.005	2.00039	.42610	.41900	.42255	.05473	-.00169
.900	-2.002	1.99999	.42660	.42818	.42739	.05518	.00002
.900	.012	2.02625	.42602	.43100	.42851	.05554	-.00346
.899	2.035	1.92032	.42604	.42929	.42766	.05524	-.00258
.900	4.016	1.96327	.42568	.41799	.42183	.05399	.00191
.900	6.023	2.02955	.42594	.40196	.41395	.05395	.00121
	GRADIENT	-.00769	-.00007	-.00004	-.00006	-.00007	.00023

RUN NO. 432/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.100	-5.958	1.99088	.60751	.58740	.59745	.04960	.00056
1.100	-4.016	2.00411	.60754	.59961	.60357	.04874	-.00203
1.100	-1.974	1.98158	.60803	.60676	.60740	.04818	-.00070
1.100	.011	2.04910	.60788	.61043	.60915	.04981	-.00163
1.100	1.996	1.99719	.60781	.60788	.60785	.04924	-.00179
1.100	4.040	2.01946	.60908	.59864	.60386	.04823	.00091
1.100	5.974	2.01056	.60785	.58521	.59653	.04910	-.00113
	GRADIENT	.00230	.00014	-.00004	.00005	.00000	.00024

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R040) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 362/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.250	-5.964	1.99862	.66961	.65231	.66096	.04817	.00008
1.250	-3.980	1.99637	.66952	.66469	.66711	.04818	-.00103
1.250	-1.979	1.98308	.67004	.67115	.67060	.04767	-.00078
1.250	.013	2.01096	.67027	.67296	.67162	.04957	-.00327
1.250	2.027	1.92152	.67070	.67051	.67061	.04882	-.00210
1.250	3.990	1.94534	.67171	.66272	.66721	.04666	.00207
1.247	6.047	2.01971	.67054	.64746	.65900	.04767	.00127
	GRADIENT	-.00822	.00025	-.00023	.00001	-.00009	.00024

RUN NO. 418/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.400	-5.970	2.00949	.68994	.67149	.68072	.04885	-.00182
1.400	-3.969	1.97802	.69025	.68173	.68599	.04857	-.00027
1.400	-1.982	1.98637	.68940	.68861	.68901	.04946	.00214
1.400	.016	2.02712	.68780	.69089	.68934	.05144	.00000
1.400	2.039	1.92766	.68914	.68849	.68882	.05017	-.00188
1.399	4.006	1.95361	.69235	.68177	.68706	.04807	.00106
1.400	6.023	2.02165	.69441	.66747	.68094	.04801	.00292
	GRADIENT	-.00541	.00020	-.00000	.00010	-.00001	-.00007

RUN NO. 371/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.450	-5.958	1.99159	.68808	.66928	.67868	.04717	-.00247
1.450	-3.955	1.98460	.68771	.68059	.68415	.04803	.00063
1.449	-2.023	2.02359	.68758	.68699	.68728	.04656	.00255
1.450	.015	2.02562	.68689	.68964	.68827	.04954	.00374
1.450	2.003	1.99575	.68784	.68795	.68790	.05278	.00133
1.449	3.994	1.95164	.68941	.68143	.68542	.04792	.00068
1.450	6.007	2.03078	.69326	.56931	.68129	.04508	.00475
	GRADIENT	-.00474	.00018	.00013	.00016	.00030	-.00006

RUN NO. 408/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.499	-5.959	1.99893	.69258	.67449	.68374	.04896	-.00054
1.499	-3.975	1.99561	.69235	.68376	.68805	.04886	-.00104
1.499	-1.987	1.98639	.69223	.68718	.68970	.04800	.00037
1.499	.009	2.03060	.69145	.69008	.69077	.04929	.00105
1.499	2.048	1.92711	.69003	.69081	.69042	.04908	.00039
1.500	3.968	1.94695	.69344	.68401	.68872	.04648	.00201
1.500	6.030	2.02132	.70010	.67099	.68554	.04603	.00313
	GRADIENT	-.00790	-.00000	.00021	.00010	-.00018	.00031

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R040) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 388/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.549	-6.067	2.02667	.69918	.67204	.68561	.04693	-.00199
1.550	-4.056	2.08181	.69321	.68026	.68673	.04811	-.00006
1.550	-1.903	2.08858	.68846	.68710	.68778	.04815	-.00087
1.550	.148	1.91996	.68707	.68748	.68728	.04717	.00266
1.548	2.041	1.93248	.69053	.68685	.68869	.04763	.00344
1.550	3.991	1.94992	.69793	.68160	.68976	.04765	.00079
1.550	6.025	2.02221	.70553	.67095	.68824	.04738	.00339
	GRADIENT	-.02112	.00054	.00015	.00035	-.00007	.00030

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R041) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.268 BETA = 2.000
PHI = .000

RUN NO. 283/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-5.907	2.02949	319.83700	2.47794	1274.25000	1623.80000	1.09290	110.50000	.00000	6.42000	160.96000
.598	-3.879	1.96176	319.60800	2.47787	1275.46001	1624.70000	1.09271	110.50000	.00000	4.54600	153.05000
.599	-2.005	2.01379	319.90200	2.47585	1273.36000	1623.00000	1.09296	110.80000	.00000	3.06500	134.66000
.598	-1.026	2.04995	318.46100	2.46859	1270.39999	1618.39999	1.09276	110.50000	.00000	2.53000	116.40000
.599	.000	2.04021	319.37400	2.47464	1272.77000	1621.80000	1.09286	110.50000	.00000	2.28500	90.05000
.599	.952	2.00975	319.01000	2.47283	1271.88000	1620.50000	1.09282	110.40000	.00000	2.46100	64.96000
.599	2.008	2.04536	320.02700	2.47834	1275.05000	1624.80000	1.09288	110.70000	.00000	3.08700	45.82000
.599	3.968	1.98052	319.78400	2.47475	1271.96001	1621.50000	1.09305	110.70000	.00000	4.63000	26.66000
.598	6.128	2.04149	319.41300	2.47453	1274.46001	1623.50000	1.09275	110.80000	.00000	6.62800	18.51000
	GRADIENT	.00226	.03825	-.00006	-.21256	-.16117	.00003	.01218	.00000	.01177	-17.76983

RUN NO. 320/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.899	-5.999	2.01091	350.45000	2.00520	618.82000	1046.00000	1.21895	110.30000	.00000	6.48200	161.45000
.900	-3.979	1.98906	349.31000	1.99820	616.34800	1042.20000	1.21912	110.30000	.00000	4.63200	153.39000
.900	-2.016	2.02226	349.39800	1.99829	616.54600	1042.50000	1.21911	110.40000	.00000	3.06800	134.79000
.900	-.004	2.01293	349.80300	2.00003	617.13600	1043.60001	1.21915	110.50000	.00000	2.24800	90.16000
.900	2.008	2.01312	349.96100	2.00130	617.33300	1044.00000	1.21918	110.40000	.00000	3.05500	45.28000
.900	4.026	2.00472	350.05300	2.00113	616.83200	1043.70000	1.219[illegible]	110.40000	.00000	4.67800	26.56000
.900	5.957	1.97950	349.91400	2.00105	616.83500	1043.50000	1.21934	110.30000	.00000	6.43000	18.43000
	GRADIENT	.00109	.10229	.00044	.08739	.22445	.00004	.00990	.00000	.00544	-17.13530

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R041) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.268 BETA = 2.000
PHI = .000

RUN NO. 283/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-5.907	2.02949	1.05489	.12465	.45924	.32794	.21335	-.33458	.11459	-.33080	.11350
.598	-3.879	1.96176	1.07326	.18413	.40297	.34195	.23331	-.21879	.10864	-.21495	.10742
.599	-2.005	2.01379	1.07515	.23708	.34966	.35249	.23962	-.11258	.11287	-.10835	.11162
.598	-1.026	2.04995	1.07989	.26584	.32150	.35667	.24300	-.05566	.11366	-.05193	.11236
.599	.000	2.04021	1.07689	.29439	.28913	.35595	.24353	.00526	.11241	.00788	.11055
.599	.952	2.00975	1.07880	.32282	.26108	.35411	.24527	.06174	.10884	.06488	.10636
.599	2.008	2.04536	1.07620	.35491	.22969	.35302	.24105	.12522	.11197	.12821	.10946
.599	3.968	1.98052	1.06687	.40942	.17344	.33549	.23249	.23599	.10300	.23839	.10025
.598	6.128	2.04149	1.05063	.47050	.11453	.31808	.21137	.35597	.10671	.35958	.10390
	GRADIENT	.00226	-.00061	.02884	-.02944	-.00069	.00002	.05828	-.00071	.05806	-.00095

RUN NO. 320/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.899	-5.999	2.01091	1.17220	.26014	.59036	.45947	.35283	-.33022	.10663	-.32590	.10851
.900	-3.979	1.98906	1.18438	.31514	.53661	.47451	.36709	-.22147	.10743	-.21596	.10851
.900	-2.016	2.02226	1.18831	.36925	.48115	.48255	.37529	-.11191	.10726	-.10659	.10818
.900	-.004	2.01293	1.18986	.42412	.42425	.48560	.37925	-.00012	.10635	.00327	.10644
.900	2.008	2.01312	1.18723	.48002	.36543	.48090	.37713	.11459	.10377	.11774	.10373
.900	4.026	2.00472	1.18165	.53499	.31138	.47069	.36688	.22361	.10381	.22735	.10336
.900	5.957	1.97950	1.16868	.58591	.25931	.45434	.35274	.32661	.10159	.33055	.10157
	GRADIENT	.00109	-.00033	.02748	-.02826	-.00047	.00006	.05574	-.00054	.05545	-.00074

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R041) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.268 BETA = 2.000
PHI = .000

RUN NO. 283/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-5.907	2.02949	.29005	.27119	.28062	.05729	-.00460
.598	-3.879	1.96176	.29165	.28824	.28994	.05683	.00020
.599	-2.005	2.01379	.29126	.29668	.29397	.05734	.00189
.598	-1.026	2.04995	.29180	.30048	.29614	.05785	-.00009
.599	.000	2.04021	.29045	.30067	.29556	.05905	-.00456
.599	.952	2.00975	.29038	.30093	.29565	.06048	-.00048
.599	2.008	2.04536	.29081	.29829	.29455	.05864	.00123
.599	3.968	1.98052	.29023	.28537	.28780	.05543	-.00387
.598	6.128	2.04149	.29071	.26613	.27842	.05645	.00447
	GRADIENT	.00226	-.00019	-.00021	-.00020	-.00001	-.00044

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R041) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.268 BETA = 2.000
PHI = .000

RUN NO. 320/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.899	-5.999	2.01091	.42308	.40521	.41415	.05392	.00001
.900	-3.979	1.98906	.42312	.42026	.42169	.05540	-.00002
.900	-2.016	2.02226	.42254	.42846	.42550	.05493	-.00042
.900	-.004	2.01293	.42249	.43238	.42743	.05585	-.00138
.900	2.008	2.01312	.42115	.42904	.42509	.05610	-.00072
.900	4.026	2.00472	.42132	.41901	.42017	.05345	-.00036
.900	5.957	1.97950	.42064	.40355	.41209	.05344	-.00121
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R042) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 452/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-5.978	3.94375	321.82000	2.49715	1282.09000	1633.80000	1.09288	109.80000	.00000	7.32200	146.47000
.600	-3.959	3.98729	322.40600	2.50043	1281.47000	1633.89999	1.09312	109.60000	.00000	5.80200	134.67000
.600	-2.002	3.95613	322.75600	2.50114	1281.77000	1634.60001	1.09318	109.80000	.00000	4.63800	116.73000
.599	-.045	3.95017	322.25100	2.49974	1282.17999	1634.39999	1.09300	109.70000	.00000	4.16500	90.66000
.600	1.990	4.06424	322.86500	2.50207	1282.36000	1635.30000	1.09318	109.80000	.00000	4.72800	64.05000
.600	4.025	4.04494	323.02400	2.50163	1282.25999	1635.39999	1.09323	110.00000	.00000	5.88700	45.29000
.599	5.988	3.99087	322.35700	2.49927	1283.07001	1635.39999	1.09298	110.00000	.00000	7.35400	33.81000
	GRADIENT	.01127	.06739	.00017	.10826	.18554	.00001	.04019	.00000	.01545	-11.59551

RUN NO. 444/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.798	-6.037	4.06065	318.02300	1.97666	714.23600	1086.10001	1.16930	109.70000	.00000	7.43100	145.95000
.798	-4.019	4.00792	322.18900	2.00182	721.93200	1098.80000	1.16971	109.50000	.00000	5.85500	134.95000
.799	-1.984	3.93071	322.34600	2.00181	720.83100	1098.00000	1.17008	109.40000	.00000	4.60500	116.66000
.799	-.048	3.97211	322.06500	1.99936	719.93800	1096.80000	1.17014	109.50000	.00000	4.18500	90.69000
.799	1.987	4.03922	322.94000	2.00436	721.91600	1099.80000	1.17014	109.60000	.00000	4.70200	63.93000
.799	4.022	4.04061	321.96400	1.99929	720.73900	1097.39999	1.16989	109.60000	.00000	5.87900	45.27000
.799	6.007	4.00019	321.54500	1.99693	720.04900	1096.20000	1.16982	109.60000	.00000	7.37100	33.78000
	GRADIENT	.00866	.00713	-.00012	-.06431	-.04942	.00002	.01990	.00000	.00823	-11.56932

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R042) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 485/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.982	3.97882	350.13800	1.99968	617.72900	1044.60001	1.21915	111.00000	.00000	7.32300	146.26000
.900	-4.013	4.00647	350.01100	1.99903	617.13200	1043.89999	1.21930	110.90000	.00000	5.83600	134.92000
.900	-2.016	3.95181	349.28200	1.99507	616.04900	1041.89999	1.21922	110.90000	.00000	4.62700	116.89000
.900	.006	4.01581	349.63500	1.99817	616.84100	1043.10001	1.21915	110.70000	.00000	4.21800	89.89000
.900	1.993	4.06889	349.87200	1.99939	617.13500	1043.70000	1.21920	110.70000	.00000	4.72200	63.99000
.900	4.008	4.00765	349.40800	1.99753	616.64600	1042.60001	1.21907	110.60000	.00000	5.83600	45.10000
.900	6.048	4.02416	349.27200	1.99673	615.95000	1041.80000	1.21925	110.50000	.00000	7.40400	33.74000
	GRADIENT	.00596	-.03071	.00007	.00575	-.03982	-.00002	-.03992	.00000	.00472	-11.59644

RUN NO. 433/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-6.026	4.03301	372.28500	1.90144	439.73400	938.60000	1.33732	109.80000	.00000	7.36200	146.12000
1.101	-3.962	3.94735	372.56100	1.90219	439.03400	938.60000	1.33811	109.70000	.00000	5.74000	135.01000
1.100	-2.012	3.94579	372.18800	1.90173	439.53600	938.30000	1.33739	109.60000	.00000	4.60400	116.92000
1.100	.002	3.98585	371.79900	1.89872	439.34300	937.50000	1.33718	109.90000	.00000	4.17400	89.98000
1.100	1.984	4.04106	371.80100	1.89971	439.04500	937.30000	1.33741	109.60000	.00000	4.67600	63.96000
1.100	4.021	4.03684	371.56700	1.89751	439.04800	936.90000	1.33720	109.90000	.00000	5.84300	45.22000
1.099	5.967	3.96526	371.29300	1.89657	439.15200	936.50000	1.33687	109.90000	.00000	7.27800	33.70000
	GRADIENT	.01374	-.11886	-.00057	-.02351	-.22043	-.00009	.02023	.00000	.01531	-11.64865

RUN NO. 363/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.031	4.04344	403.87300	1.94923	369.31000	956.50000	1.42327	110.20000	.00000	7.36900	146.06000
1.250	-3.968	3.95046	404.28600	1.95104	369.50400	957.40000	1.42344	110.20000	.00000	5.74400	135.01000
1.250	-1.997	3.92968	404.31500	1.95170	369.60300	957.50000	1.42337	110.10000	.00000	4.58200	116.82000
1.250	-.041	3.98035	404.50400	1.95273	369.89800	958.00000	1.42327	110.10000	.00000	4.16700	90.58000
1.250	1.976	4.03474	404.50400	1.95183	369.89800	958.00000	1.42327	110.30000	.00000	4.66500	64.01000
1.250	4.028	4.04381	404.66400	1.95265	370.09400	958.40000	1.42322	110.30000	.00000	5.85000	45.22000
1.249	6.024	4.01072	404.64900	1.95244	370.39100	958.50000	1.42294	110.40000	.00000	7.34500	33.75000
	GRADIENT	.01462	.04733	.00017	.07379	.12517	-.00003	.02017	.00000	.01703	-11.63650

RUN NO. 419/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.401	-6.015	4.03770	431.06000	2.01040	313.78400	999.80000	1.49398	109.50000	.00000	7.34500	146.03000
1.400	-3.973	3.95854	431.14000	2.01057	314.17900	1000.00000	1.49366	109.60000	.00000	5.74600	134.99000
1.400	-2.005	3.95906	429.97400	2.00519	313.39800	997.30000	1.49360	109.60000	.00000	4.60500	116.73000
1.401	-.048	3.95342	430.19800	2.00587	313.09900	997.80000	1.49404	109.60000	.00000	4.13500	90.66000
1.400	1.978	4.04586	430.19100	2.00615	313.49500	997.80000	1.49366	109.60000	.00000	4.67000	64.00000
1.401	4.028	4.05312	430.28400	2.00629	313.19700	998.00000	1.49400	109.60000	.00000	5.85000	45.25000
1.401	6.000	3.99499	430.19500	2.00601	313.29700	997.80000	1.49385	109.60000	.00000	7.31000	33.72000
	GRADIENT	.01386	-.07405	-.00038	-.09275	-.17338	.00004	.00000	.00000	.01604	-11.61735

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R042) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 372/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-6.032	4.05437	432.19800	1.99601	293.77500	1003.20000	1.51357	110.30000	.00000	7.36700	146.01000
1.450	-3.951	3.95623	431.89200	1.99503	293.48100	1002.50000	1.51365	110.20000	.00000	5.72900	134.87000
1.450	-2.025	3.97741	431.93400	1.99424	293.48000	1002.60000	1.51368	110.40000	.00000	4.63000	116.89000
1.450	-.046	3.92615	432.45300	1.99573	293.87100	1003.80000	1.51364	110.60000	.00000	4.10900	90.67000
1.450	1.991	4.07138	433.00800	2.00010	294.16300	1005.10000	1.51372	110.20000	.00000	4.69900	64.05000
1.450	4.027	4.04889	433.26800	1.99991	294.35900	1005.70000	1.51370	110.50000	.00000	5.84700	45.28000
1.451	6.008	4.00580	433.42900	1.99957	294.25800	1006.10000	1.51390	110.70000	.00000	7.32300	33.79000
	GRADIENT	.01407	.19189	.00079	.12231	.44638	.00001	.01969	.00000	.01808	-11.61959

RUN NO. 409/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.023	4.02487	435.63700	1.99876	276.56200	1015.40000	1.53226	110.30000	.00000	7.34500	146.15000
1.499	-3.966	3.94866	435.21600	1.99753	276.66700	1014.50000	1.53190	110.20000	.00000	5.73500	135.03000
1.501	-2.029	3.96493	435.12900	1.99486	275.97100	1014.30000	1.53252	110.60000	.00000	4.62100	116.99000
1.500	-.046	3.95611	434.87800	1.99534	276.17300	1013.60000	1.53218	110.30000	.00000	4.13800	90.65000
1.499	1.974	4.03368	435.80500	1.99924	276.95800	1015.70000	1.53199	110.40000	.00000	4.65700	64.02000
1.500	4.016	4.04019	436.51300	2.00239	277.24700	1017.40000	1.53214	110.40000	.00000	5.83200	45.26000
1.499	5.979	3.98351	435.17600	1.99502	276.66700	1014.20000	1.53188	110.70000	.00000	7.28600	33.74000
	GRADIENT	.01264	.16499	.00071	.10873	.38333	-.00000	.00981	.00000	.01398	-11.64539

RUN NO. 389/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.549	-6.016	4.06845	438.33000	2.00191	261.06600	1028.89999	1.54897	110.20000	.00000	7.36200	145.87000
1.551	-3.921	3.94979	438.22700	2.00160	260.36700	1029.00000	1.54960	110.10000	.00000	5.70400	134.76000
1.550	-2.002	3.97497	438.44000	2.00370	260.86400	1029.30000	1.54923	109.90000	.00000	4.61700	116.71000
1.550	-.047	3.93520	438.45700	2.00278	260.76300	1029.39999	1.54935	110.10000	.00000	4.11700	90.65000
1.550	1.989	4.04321	438.44000	2.00275	260.86400	1029.30000	1.54923	110.10000	.00000	4.67200	63.90000
1.550	4.030	4.04133	438.25000	2.00185	260.66700	1028.89999	1.54932	110.10000	.00000	5.84300	45.24000
1.550	6.058	4.03091	438.47400	2.00186	260.66300	1029.50000	1.54945	110.30000	.00000	7.37600	33.69000
	GRADIENT	.01271	.00183	-.00003	.02950	-.01097	-.00003	.01016	.00000	.02003	-11.65450

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R042) (12 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 452/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-5.978	3.94375	1.05086	.11786	.44790	.38372	.15709	-.33004	.22663	-.33521	.22481
.600	-3.959	3.98729	1.07139	.17695	.39100	.40183	.17237	-.21414	.22946	-.21908	.22736
.600	-2.002	3.95613	1.07967	.23332	.33625	.40866	.18324	-.10293	.22542	-.10771	.22313
.599	-.045	3.95017	1.08190	.28813	.27853	.41236	.18726	.00960	.22510	.00344	.22234
.600	1.990	4.06424	1.07621	.34502	.22022	.40735	.18162	.12480	.22573	.11929	.22263
.600	4.025	4.04494	1.06654	.40383	.16250	.39283	.16935	.24134	.22343	.23643	.21971
.599	5.988	3.99087	1.04858	.45802	.10864	.37476	.15401	.34938	.22075	.34412	.21774
	GRADIENT	.01127	-.00068	.02834	-.02871	-.00093	-.00041	.05705	-.00058	.05702	-.00079

RUN NO. 444/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.798	-6.037	4.06065	1.13018	.18247	.51433	.45239	.22018	-.33185	.23222	-.33694	.22916
.798	-4.019	4.00792	1.14774	.23878	.45703	.46460	.23571	-.21825	.22889	-.22365	.22612
.799	-1.984	3.93071	1.15661	.29776	.40130	.47085	.24852	-.10354	.22233	-.10880	.21924
799	-.048	3.97211	1.15816	.35223	.34553	.47413	.25231	.00670	.22182	.00102	.21830
.799	1.987	4.03922	1.15524	.40992	.28744	.47045	.24744	.12248	.22301	.11714	.21895
.799	4.022	4.04061	1.14881	.46678	.23133	.45934	.23579	.23545	.22355	.23011	.21975
.799	6.007	4.00019	1.13138	.52149	.17533	.44086	.22068	.34616	.22019	.34055	.21651
	GRADIENT	.00866	.00003	.02833	-.02819	-.00055	-.00006	.05652	-.00050	.05652	-.00065

RUN NO. 485/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-5.982	3.97882	1.18850	.25588	.57292	.51532	.29412	-.31704	.22120	-.31927	.21746
.900	-4.013	4.00647	1.20232	.30988	.51936	.52860	.30773	-.20947	.22087	-.21127	.21780
.900	-2.016	3.95181	1.20952	.36525	.46599	.53466	.31875	-.10074	.21591	-.10262	.21253
.900	.006	4.01581	1.21121	.42049	.41014	.53947	.32118	.01035	.21828	.00708	.21442
.900	1.993	4.06889	1.20831	.47471	.35489	.53477	.31851	.11983	.21626	.11593	.21244
.900	4.008	4.00765	1.20015	.52935	.30168	.52090	.30914	.22768	.21176	.22426	.20759
.900	6.048	4.02416	1.18270	.58315	.24669	.50451	.29290	.33645	.21161	.33278	.20711
	GRADIENT	.00596	-.00028	.02735	-.02725	-.00076	.00013	.05460	-.00089	.05434	-.00102

RUN NO. 433/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.100	-6.026	4.03301	1.30644	.45361	.73972	.68644	.48687	-.28611	.19957	-.28990	.19690
1.101	-3.962	3.94735	1.32252	.50798	.69402	.69970	.50524	-.18604	.19447	-.18965	.19182
1.100	-2.012	3.94579	1.32804	.55503	.64475	.70479	.51209	-.08972	.19270	-.09392	.19001
1.100	.002	3.98585	1.32818	.60264	.59381	.70539	.51432	.00883	.19107	.00428	.18897
1.100	1.984	4.04106	1.32495	.64969	.54527	.70245	.50995	.10442	.19260	.09961	.18934
1.100	4.021	4.03684	1.31785	.69892	.49589	.69115	.50007	.20304	.19108	.19796	.18798
1.099	5.967	3.96526	1.30617	.74630	.45152	.67673	.49051	.29479	.18621	.29060	.18292
	GRADIENT	.01374	-.00063	.02387	-.02483	-.00098	-.00064	.04870	-.00034	.04853	-.00042

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (14R042) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 363/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.250	-6.031	4.04344	1.[illegible]	.51967	.80141	.75187	.55271	-.28174	.19916	-.28228	.19671
1.250	-3.968	3.95046	1.[illegible]	.57115	.75305	.76202	.56858	-.18190	.19344	-.18229	.19094
1.250	-1.997	3.92968	1.4167[illegible]	.61840	.70532	.76747	.57608	-.08692	.19139	-.08744	.18928
1.250	-.041	3.98035	1.41675	.66493	.65690	.76713	.57773	.00803	.18939	.00576	.18706
1.250	1.976	4.03474	1.41516	.71438	.60959	.76275	.57650	.10479	.18625	.10268	.18309
1.250	4.028	4.04381	1.40688	.76411	.56150	.75392	.56572	.20261	.18821	.20014	.18455
1.249	6.024	4.01072	1.39329	.81265	.51603	.74026	.55361	.29662	.18665	.29392	.18308
	GRADIENT	.01462	-.00058	.02414	-.02398	-.00106	-.00028	.04812	-.00078	.04783	-.00095

RUN NO. 419/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.401	-6.015	4.03770	1.47568	.53383	.82402	.76798	.57216	-.29020	.19582	-.29322	.19331
1.400	-3.973	3.95854	1.48652	.58325	.77771	.77860	.58641	-.19446	.19219	-.19787	.18976
1.400	-2.005	3.95906	1.48943	.63163	.72913	.78542	.59250	-.09750	.19291	-.10116	.19041
1.401	-.048	3.95342	1.48972	.67812	.67951	.78849	.59335	-.00139	.19513	-.00457	.19231
1.400	1.978	4.04586	1.48783	.73013	.62986	.78756	.58862	.10027	.19895	.09577	.19551
1.401	4.028	4.05312	1.48301	.78184	.58196	.77883	.57982	.19988	.19902	.19516	.19592
1.401	6.000	3.99499	1.47497	.83096	.53781	.76516	.56810	.29316	.19706	.28841	.19343
	GRADIENT	.01386	-.00044	.02481	-.02455	.00012	-.00087	.04936	.00099	.04919	.00087

RUN NO. 372/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.450	-6.032	4.05437	1.48859	.53401	.82887	.76520	.57536	-.29486	.18983	-.29705	.18796
1.450	-3.951	3.95623	1.50136	.58101	.77904	.77309	.58671	-.19803	.18638	-.20064	.18456
1.450	-2.025	3.97741	1.50249	.62576	.73182	.78038	.59118	-.10606	.18920	-.10828	.18725
1.450	-.046	3.92615	1.50411	.67333	.68429	.78450	.59312	-.01096	.19138	-.01372	.18915
1.450	1.991	4.07138	1.50093	.72371	.63314	.78740	.58576	.09057	.20163	.08650	.19896
1.450	4.027	4.04889	1.49813	.77641	.58440	.78159	.57870	.19200	.20289	.18778	.19996
1.451	6.008	4.00580	1.48419	.82557	.54265	.77124	.56716	.28292	.20408	.27858	.20153
	GRADIENT	.01407	-.00041	.02448	-.02443	.00119	-.00109	.04891	.00228	.04866	.00213

RUN NO. 409/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.500	-6.023	4.02487	1.51256	.53578	.83340	.77043	.57720	-.29762	.19323	-.30068	.19093
1.499	-3.966	3.94866	1.52268	.58512	.78282	.77774	.58956	-.19769	.18818	-.20142	.18579
1.501	-2.029	3.96493	1.52255	.63152	.73355	.78039	.59311	-.10203	.18728	-.10562	.18469
1.500	-.046	3.95611	1.52321	.68001	.68411	.78334	.59512	-.00410	.18822	-.00755	.18541
1.499	1.974	4.03368	1.52191	.72918	.63502	.78724	.58993	.09416	.19731	.08973	.19428
1.500	4.016	4.04019	1.51946	.78117	.59152	.78369	.58347	.18965	.20022	.18525	.19710
1.499	5.979	3.98351	1.50992	.83234	.55255	.77280	.57163	.27979	.20116	.27512	.19821
	GRADIENT	.01264	-.00036	.02453	-.02409	.00093	-.00078	.04862	.00172	.04851	.00162

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R042) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 389/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.549	-6.016	4.06845	1.55259	.54169	.83698	.76890	.57551	-.29529	.19339	-.29842	.19070
1.551	-3.921	3.94979	1.55211	.58354	.78262	.77219	.58955	-.19908	.18264	-.20231	.17990
1.550	-2.002	3.97497	1.55074	.62783	.73342	.78021	.59695	-.10559	.18327	-.10884	.18044
1.550	-.047	3.93520	1.54942	.67459	.68622	.78547	.59775	-.01163	.18771	-.01513	.18444
1.550	1.989	4.04321	1.55137	.72372	.63938	.79026	.59020	.08434	.20006	.08003	.19665
1.550	4.030	4.04133	1.55161	.77908	.59785	.78552	.58267	.18124	.20285	.17672	.19941
1.550	6.058	4.03091	1.54936	.83180	.55784	.77528	.57004	.27397	.20524	.26908	.20219
	GRADIENT	.01271	-.00001	.02449	-.02329	.00183	-.00105	.04778	.00288	.04760	.00279

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R042) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 452/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-5.978	3.94375	.28547	.27131	.27839	.05769	.00230
.600	-3.959	3.98729	.28640	.28815	.28727	.05720	-.00082
.600	-2.002	3.95613	.28718	.29709	.29213	.05680	-.00183
.599	-.045	3.95017	.28641	.30119	.29380	.05670	.00044
.600	1.990	4.06424	.28538	.29603	.29071	.05761	-.00072
.600	4.025	4.04494	.28562	.28298	.28430	.05637	-.00145
.599	5.988	3.99087	.28596	.26589	.27593	.05411	-.00078
	GRADIENT	.01127	-.00017	-.00059	-.00038	-.00004	-.00001

RUN NO. 444/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.798	-6.037	4.06065	.35094	.33782	.34438	.05609	-.00080
.798	-4.019	4.00792	.35060	.35154	.35107	.05628	-.00290
.799	-1.984	3.93071	.35216	.36123	.35669	.05651	-.00221
.799	-.048	3.97211	.35172	.36498	.35835	.05712	.00028
.799	1.987	4.03922	.35135	.36098	.35617	.05632	.00061
.799	4.022	4.04061	.35172	.34946	.35059	.05535	-.00055
.799	6.007	4.00019	.35121	.33261	.34191	.05578	-.00218
	GRADIENT	.00866	.00007	-.00023	-.00008	-.00010	.00037

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R042) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 485/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-5.982	3.97882	.41552	.40659	.41105	.05494	.00120
.900	-4.013	4.00647	.41552	.41970	.41761	.05465	-.00188
.900	-2.016	3.95181	.41656	.42839	.42248	.05417	-.00102
.900	.006	4.01581	.41695	.43226	.42460	.05463	.00079
.900	1.993	4.06889	.41675	.42855	.42265	.05441	-.00237
.900	4.008	4.00765	.41723	.41710	.41716	.05334	-.00149
.900	6.048	4.02416	.41675	.40096	.40886	.05314	.00039
	GRADIENT	.00596	.00018	-.00025	-.00004	-.00012	-.00003

RUN NO. 433/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.100	-6.026	4.03301	.59856	.58799	.59327	.04844	-.00287
1.101	-3.962	3.94735	.60280	.60379	.60330	.04887	-.00165
1.100	-2.012	3.94579	.60200	.60979	.60589	.04909	-.00064
1.100	.002	3.98585	.60050	.61090	.60570	.04833	-.00011
1.100	1.984	4.04106	.59988	.60778	.60383	.04819	.00010
1.100	4.021	4.03684	.59994	.59716	.59855	.04800	-.00173
1.099	5.967	3.96526	.60100	.58527	.59313	.04741	-.00303
	GRADIENT	.01374	-.00039	-.00078	-.00058	-.00013	.00003

RUN NO. 363/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.250	-6.031	4.04344	.66081	.65352	.65717	.04852	-.00332
1.250	-3.968	3.95046	.66229	.66655	.66442	.04837	-.00175
1.250	-1.997	3.92968	.66212	.67283	.66748	.04777	-.00053
1.250	-.041	3.98035	.66205	.67360	.66782	.04785	-.00205
1.250	1.976	4.03474	.66304	.67120	.66712	.04790	-.00055
1.250	4.028	4.04381	.66404	.66165	.66285	.04715	.00044
1.249	6.024	4.01072	.66569	.64872	.65721	.04691	-.00132
	GRADIENT	.01462	.00022	-.00059	-.00018	-.00012	.00022

RUN NO. 419/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.401	-6.015	4.03770	.68044	.67133	.67588	.04605	-.00227
1.400	-3.973	3.95854	.68219	.68372	.68295	.04800	-.00067
1.400	-2.005	3.95906	.68221	.69021	.68621	.04951	.00079
1.401	-.048	3.95342	.68040	.69233	.68637	.04949	.00142
1.400	1.978	4.04586	.68225	.68980	.68603	.04919	.00116
1.401	4.028	4.05312	.68426	.68087	.68257	.04776	-.00071
1.401	6.000	3.99499	.68676	.66845	.67760	.04704	-.00154
	GRADIENT	.01386	.00021	-.00032	-.00005	-.00004	.00001

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R042) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 372/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.450	-6.032	4.05437	.68254	.67122	.67688	.04585	-.00261
1.450	-3.951	3.95622	.68133	.68081	.68107	.04729	.00031
1.450	-2.025	3.97741	.67990	.68675	.68333	.04794	.00089
1.450	-.046	3.92615	.68019	.68993	.68506	.04820	.00328
1.450	1.991	4.07138	.68046	.68792	.68419	.05018	.00319
1.450	4.027	4.04889	.68251	.68161	.68206	.04792	-.00014
1.451	6.008	4.00580	.68628	.67048	.67838	.04477	.00126
	GRADIENT	.01407	.00015	.00012	.00014	.00017	.00007

RUN NO. 409/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.500	-6.023	4.02487	.68612	.67496	.68054	.04794	-.00306
1.499	-3.966	3.94866	.68583	.68485	.68534	.04887	-.00139
1.501	-2.029	3.96493	.68433	.68804	.68619	.04973	-.00050
1.500	-.046	3.95611	.68379	.69064	.68721	.04893	.00278
1.499	1.974	4.03368	.68431	.69011	.68721	.04743	.00354
1.500	4.016	4.04019	.68854	.68514	.68684	.04616	.00043
1.499	5.979	3.98351	.69478	.67369	.68424	.04560	.00063
	GRADIENT	.01264	.00028	.00012	.00020	-.00039	.00038

RUN NO. 389/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.549	-6.016	4.06845	.69090	.67355	.68222	.04509	-.00664
1.551	-3.921	3.94979	.68469	.68224	.68346	.04750	-.00219
1.550	-2.002	3.97497	.68225	.68999	.68612	.04885	.00113
1.550	-.047	3.93520	.68215	.69325	.68770	.04703	.00465
1.550	1.989	4.04321	.68368	.69193	.68781	.04716	.00421
1.550	4.030	4.04133	.69072	.68581	.68827	.04663	.00054
1.550	6.058	4.03091	.69726	.67419	.68573	.04500	.00178
	GRADIENT	.01271	.00069	.00044	.00056	-.00017	.00042

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R043) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.278 BETA = 4.000
PHI = .000

RUN NO. 300/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.598	-5.975	4.00400	321.33300	2.49424	1283.28999	1634.39999	1.09267	110.10000	.00000	7.35600	146.09000
.598	-4.000	4.01541	321.24300	2.49312	1283.10001	1634.10001	1.09263	110.20000	.00000	5.85300	134.81000
.599	-1.983	3.94139	322.09600	2.49792	1282.88000	1634.89999	1.09290	110.00000	.00000	4.61800	116.65000
.599	-1.020	3.97785	321.66500	2.49534	1282.78999	1634.30000	1.09278	110.10000	.00000	4.31900	104.38000
.598	-.022	3.98615	321.14600	2.49394	1282.60001	1633.50000	1.09265	109.90000	.00000	4.20100	90.38000
.598	.985	4.01857	321.31900	2.49481	1282.70000	1633.80000	1.09268	109.90000	.00000	4.34900	76.36000
.598	2.005	4.03191	321.41000	2.49482	1282.89000	1634.10001	1.09272	110.00000	.00000	4.70600	63.74000
.598	4.009	4.02856	321.58600	2.49634	1283.09000	1634.50000	1.09274	109.90000	.00000	5.86500	45.31000
.598	6.049	4.02312	321.76200	2.49674	1283.28000	1634.89999	1.09280	110.00000	.00000	7.42200	33.78000
	GRADIENT	.00652	-.00781	.00015	-.00233	-.01111	-.00000	-.03329	.00000	.00692	-11.70466

RUN NO. 321/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.007	4.00530	349.66700	2.00013	616.44100	1042.80000	1.21933	110.20000	.00000	7.35800	146.23000
.899	-4.020	4.04383	349.37600	1.99963	617.04500	1042.89999	1.21890	110.20000	.00000	5.86700	134.75000
.900	-1.964	3.90761	349.84400	2.00033	616.83600	1043.39999	1.21930	110.40000	.00000	4.56400	116.61000
.900	-.031	3.97311	349.55600	1.99957	616.74200	1042.89999	1.21914	110.30000	.00000	4.17400	90.47000
.900	1.983	4.03618	349.40800	1.99934	616.64600	1042.60001	1.21907	110.20000	.00000	4.68500	63.96000
.900	4.014	4.03630	349.34800	1.99786	616.74700	1042.60001	1.21899	110.50000	.00000	5.85600	45.28000
.900	5.965	3.97094	349.44000	1.99769	616.24600	1042.30000	1.21925	110.50000	.00000	7.30300	33.75000
	GRADIENT	.00558	-.02424	-.00023	-.03924	-.06942	-.00000	.02023	.00000	.00519	-11.56500

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R043) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.278 BETA = 4.000
PHI = .000

RUN NO. 300/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.598	-5.975	4.00400	1.03024	.11153	.45203	.38485	.15811	-.34050	.22675	-.33800	.22586
.598	-4.000	4.01541	1.05146	.16912	.39635	.40382	.17361	-.22723	.23021	-.22514	.22868
.599	-1.983	3.94139	1.05860	.22731	.33842	.40981	.18540	-.11111	.22441	-.10910	.22311
.599	-1.020	3.97785	1.06228	.25594	.30984	.41543	.18820	-.05390	.22722	-.05161	.22577
.598	-.022	3.98615	1.06310	.28502	.28107	.41627	.18797	.00395	.22830	.00509	.22675
.598	.985	4.01857	1.06096	.31265	.25107	.41578	.18667	.06158	.22910	.06246	.22738
.598	2.005	4.03191	1.05795	.34153	.22197	.41354	.18432	.11956	.22922	.12089	.22728
.598	4.009	4.02856	1.04563	.39936	.16491	.39789	.17164	.23444	.22625	.23604	.22432
.598	6.049	4.02312	1.02432	.45508	.10711	.37878	.15399	.34797	.22479	.34861	.22244
	GRADIENT	.00652	-.00063	.02870	-.02897	-.00039	-.00028	.05768	-.00011	.05757	-.00018

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (14R043) (12 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.278 BETA = 4.000
PHI = .000

RUN NO. 321/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-6.007	4.00530	1.15921	.25120	.57795	.51443	.29781	-.32675	.21662	-.32255	.21733
.899	-4.020	4.04383	1.17388	.30553	.52394	.53049	.31077	-.21836	.21972	-.21355	.22074
.900	-1.964	3.90761	1.18287	.36346	.46957	.53671	.32446	-.10611	.21224	-.10101	.21211
.900	-.031	3.97311	1.18383	.41568	.41475	.54019	.32595	.00092	.21424	.00432	.21400
.900	1.983	4.03618	1.18037	.46962	.35795	.53696	.32145	.11168	.21551	.11473	.21505
.900	4.014	4.03630	1.17107	.52471	.30342	.52538	.30982	.22129	.21556	.22428	.21505
.900	5.965	3.97094	1.15731	.57727	.25265	.50967	.29668	.32462	.21298	.32874	.21229
	GRADIENT	.00558	-.00041	.02720	-.02761	-.00050	-.00025	.05481	-.00026	.05453	-.00043

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R043) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.278 BETA = 4.000
PHI = .000

RUN NO. 300/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.598	-5.975	4.00400	.28053	.27192	.27623	.05732	.00314
.598	-4.000	4.01541	.28169	.28948	.28559	.05677	-.00200
.599	-1.983	3.94139	.28186	.29826	.29006	.05958	.00096
.599	-1.020	3.97785	.28175	.30254	.29214	.05843	.00247
.598	-.022	3.98615	.28248	.30290	.29269	.05640	.00046
.598	.985	4.01857	.28142	.30209	.29176	.05722	.00047
.598	2.005	4.03191	.28109	.29990	.29050	.05757	-.00075
.598	4.009	4.02856	.28133	.28572	.28353	.05646	-.00145
.598	6.049	4.02312	.28077	.26756	.27416	.05456	-.00066
	GRADIENT	.00652	-.00008	-.00030	-.00019	-.00015	-.00008

RUN NO. 321/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-6.007	4.00530	.41247	.40577	.40912	.05488	.00366
.899	-4.020	4.04383	.41236	.42012	.41624	.05486	-.00217
.900	-1.964	3.90761	.41396	.43065	.42231	.05451	-.00219
.900	-.031	3.97311	.41352	.43319	.42335	.05473	.00165
.900	1.983	4.03618	.41226	.42943	.42085	.05451	.00014
.900	4.014	4.03630	.41257	.41785	.41521	.05360	-.00066
.900	5.965	3.97094	.41290	.40352	.40821	.05349	-.00179
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R044) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.496 BETA = 4.000
PHI = .000

RUN NO. 295/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-5.979	3.98271	322.22000	2.49688	1280.88000	1633.10001	1.09310	110.00000	.00000	7.35000	146.24000
.599	-3.919	3.95656	321.61400	2.49383	1280.59000	1632.10001	1.09296	110.00000	.00000	5.75900	134.65000
.599	-1.989	3.96325	322.04000	2.49574	1280.49001	1632.50000	1.09306	110.00000	.00000	4.64300	116.62000
.599	-1.001	3.96740	321.79200	2.49438	1280.89000	1632.60001	1.09297	110.10000	.00000	4.30700	104.19000
.599	-.022	3.99525	322.32300	2.49679	1281.58000	1633.89999	1.09307	110.20000	.00000	4.21200	90.42000
.599	.980	4.00182	321.64400	2.49396	1281.89000	1633.39999	1.09285	110.20000	.00000	4.33300	76.42000
.600	1.987	4.00743	322.58900	2.49831	1281.97000	1634.60001	1.09312	110.20000	.00000	4.67800	63.84000
.599	4.041	4.04815	322.01200	2.49651	1282.98000	1634.89999	1.09288	110.20000	.00000	5.90100	45.26000
.599	6.042	4.04062	322.62400	2.49856	1283.46001	1636.10001	1.09304	110.40000	.00000	7.42600	33.95000
	GRADIENT	.01174	.06027	.00036	.32446	.38791	-.00001	.03098	.00000	.01942	-11.74995

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (14R044) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.496 BETA = 4.000
PHI = .000

RUN NO. 295/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-5.979	3.98271	1.03245	.11207	.45380	.38405	.15934	-.34173	.22471	-.33629	.22545
.599	-3.919	3.95656	1.05498	.17144	.39653	.40307	.17675	-.22510	.22632	-.21922	.22724
.599	-1.989	3.96325	1.06405	.22779	.34051	.41247	.18597	-.11272	.22650	-.10727	.22683
.599	-1.001	3.96740	1.06615	.25633	.31166	.41752	.18876	-.05532	.22876	-.04920	.22876
.599	-.022	3.99525	1.06501	.28413	.28157	.41808	.18842	.00256	.22966	.00650	.22928
.599	.980	4.00182	1.06621	.31407	.25190	.41707	.18852	.06218	.22855	.06614	.22847
.600	1.987	4.00743	1.06130	.34100	.22371	.41267	.18680	.11729	.22587	.12136	.22548
.599	4.041	4.04815	1.05029	.39993	.16478	.40050	.17215	.23515	.22835	.23914	.22796
.599	6.042	4.04062	1.02679	.45507	.10745	.38002	.15435	.34762	.22567	.35111	.22542
	GRADIENT	.01174	-.00061	.02868	-.02921	-.00028	-.00044	.05789	.00016	.05760	-.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R044) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.496 BETA = 4.000
PHI = .000

RUN NO. 295/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-5.979	3.98271	.28022	.27132	.27577	.05666	.00142
.599	-3.919	3.95656	.28104	.28945	.28525	.05717	-.00023
.599	-1.989	3.96325	.28142	.29906	.29024	.05918	.00137
.599	-1.001	3.96740	.28093	.30314	.29204	.05731	.00151
.599	-.022	3.99525	.28088	.30344	.29216	.05859	.00001
.599	.980	4.00182	.28100	.30284	.29192	.05744	-.00239
.600	1.987	4.00743	.28032	.29993	.29013	.05475	-.00175
.599	4.041	4.04815	.28036	.28652	.28344	.05748	.00096
.599	6.042	4.04062	.27951	.26731	.27341	.05520	-.00239
	GRADIENT	.01174	-.00012	-.00028	-.00020	-.00018	-.00013

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R045) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 453/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.014	6.00594	322.93600	2.50172	1282.16000	1635.20000	1.09322	109.90000	.00000	8.64000	134.87000
.599	-4.001	6.02803	321.88200	2.49663	1281.09000	1632.89999	1.09295	109.80000	.00000	7.39700	123.43000
.599	-1.988	6.05221	321.16400	2.49281	1279.71001	1630.70000	1.09284	109.70000	.00000	6.54900	108.10000
.600	.022	5.96985	321.83400	2.49471	1278.99001	1630.80000	1.09314	109.80000	.00000	6.15600	89.80000
.600	2.000	5.98689	322.54900	2.49844	1280.27000	1632.89999	1.09326	109.90000	.00000	6.49100	71.64000
.600	3.964	5.95368	323.09800	2.50212	1281.75999	1635.00000	1.09329	109.90000	.00000	7.31500	56.50000
.600	5.979	5.95783	323.12600	2.50210	1282.95000	1636.20000	1.09323	110.10000	.00000	8.58100	45.08000
	GRADIENT	-.01075	.19109	.00083	.09356	.31889	.00006	.02005	.00000	-.01210	-8.55096

RUN NO. 445/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.799	-6.020	6.03405	322.10900	1.99932	720.63600	1097.50000	1.16999	109.70000	.00000	8.65800	134.77000
.798	-4.007	6.02509	321.51800	1.99924	722.04700	1098.00000	1.16931	109.50000	.00000	7.39300	123.48000
.799	-1.982	6.01450	323.03400	2.00548	722.21300	1100.20000	1.17012	109.50000	.00000	6.50700	108.15000
.800	.028	5.97877	321.91600	1.99848	718.74400	1095.50000	1.17035	109.30000	.00000	6.16100	89.74000
.799	1.989	5.94286	322.25900	2.00037	720.63300	1097.70000	1.17007	109.60000	.00000	6.44200	71.60000
.799	3.994	6.00023	321.50200	1.99743	719.35200	1095.50000	1.16997	109.30000	.00000	7.36500	56.50000
.802	5.955	5.95743	324.09800	2.00756	719.99400	1099.60001	1.17127	109.50000	.00000	8.55800	45.18000
	GRADIENT	-.00608	-.04000	-.00044	-.35011	-.37600	.00007	-.01515	.00000	-.00672	-8.53618

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R045) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 486/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.022	6.03528	349.88200	2.00089	617.23500	1043.80000	1.21917	110.40000	.00000	8.63900	134.78000
.900	-3.996	6.02945	349.82200	2.00071	617.33600	1043.80000	1.21909	110.50000	.00000	7.37300	123.40000
.900	-1.988	6.01280	349.05400	1.99579	615.85400	1041.39999	1.21914	110.50000	.00000	6.49200	108.20000
.900	.026	5.99372	349.01600	1.99523	615.45600	1041.00000	1.21927	110.50000	.00000	6.16100	89.74000
.901	2.012	5.98024	351.86600	2.01080	619.78900	1048.89999	1.21953	110.50000	.00000	6.46900	71.48000
.900	3.973	5.94791	350.50100	2.00383	618.61900	1045.89999	1.21906	110.60000	.00000	7.29500	56.38000
.900	5.996	5.97943	349.71400	1.99948	616.93900	1043.30000	1.21917	110.50000	.00000	8.58400	45.07000
	GRADIENT	-.00981	.20900	.00110	.32516	.58582	.00002	.00998	.00000	-.00987	-8.56435

RUN NO. 434/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.099	-6.021	6.04370	371.60300	1.89861	439.54500	937.30000	1.33685	109.80000	.00000	8.61300	134.76000
1.100	-4.016	6.04745	372.07100	1.90084	439.53800	938.10000	1.33728	109.70000	.00000	7.37100	123.48000
1.099	-1.976	5.99970	372.76700	1.90478	440.72100	940.10000	1.33701	109.70000	.00000	6.45100	108.16000
1.100	.029	6.00679	370.96900	1.89471	437.76400	935.00000	1.33764	109.70000	.00000	6.15000	89.73000
1.100	1.999	5.95397	372.46200	1.90136	439.43300	938.70000	1.33771	109.90000	.00000	6.41600	71.52000
1.101	3.977	5.97107	372.54100	1.90145	439.23300	938.70000	1.33794	109.90000	.00000	7.28700	56.46000
1.101	5.952	5.97598	371.64800	1.89784	438.25200	936.50000	1.33788	109.70000	.00000	8.51800	45.26000
	GRADIENT	-.00996	.03118	-.00011	-.09559	-.01144	.00010	.02997	.00000	-.01137	-8.54971

RUN NO. 364/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.249	-6.022	6.02200	404.43900	1.95142	370.19600	958.00000	1.42295	110.40000	.00000	8.59500	134.85000
1.249	-4.000	6.01989	404.67100	1.95153	370.29200	958.50000	1.42305	110.60000	.00000	7.33700	123.48000
1.250	-1.990	6.05512	404.69300	1.95286	370.19300	958.50000	1.42315	110.30000	.00000	6.50500	108.11000
1.250	.014	5.95848	405.01900	1.95314	370.09100	959.10000	1.42351	110.50000	.00000	6.10000	89.86000
1.250	1.993	5.98104	404.97600	1.95317	370.28900	959.10000	1.42330	110.50000	.00000	6.43700	71.64000
1.251	3.966	5.93480	405.24400	1.95392	369.99000	959.50000	1.42377	110.50000	.00000	7.24900	56.36000
1.249	6.050	6.02578	404.75800	1.95261	370.58800	958.80000	1.42286	110.50000	.00000	8.61600	45.03000
	GRADIENT	-.01226	.07175	.00026	-.02551	.13054	.00008	-.00006	.00000	-.01298	-8.57139

RUN NO. 420/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-6.020	6.02652	428.93800	1.99995	312.71500	994.90000	1.49354	109.70000	.00000	8.58800	134.83000
1.400	-3.992	6.01606	429.97200	2.00527	313.49700	997.30000	1.49351	109.60000	.00000	7.32100	123.45000
1.399	-1.990	6.03920	430.48500	2.00783	314.08600	998.50000	1.49331	109.60000	.00000	6.48200	108.15000
1.400	.028	5.97856	430.48700	2.00776	313.98700	998.50000	1.49340	109.60000	.00000	6.11200	89.71000
1.400	2.004	5.96861	430.27200	2.00766	313.79100	998.00000	1.49344	109.40000	.00000	6.42100	71.48000
1.399	3.978	5.96283	430.22500	2.00716	313.98900	997.90000	1.49322	109.50000	.00000	7.27000	56.37000
1.399	5.953	5.94239	430.13900	2.00626	313.89100	997.70000	1.49325	109.60000	.00000	8.48300	45.06000
	GRADIENT	-.00889	.01491	.00018	.03467	.03560	-.00002	-.02005	.00000	-.00891	-8.56949

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R045) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 373/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-6.010	6.02410	432.75400	1.99758	294.06700	1004.50000	1.51365	110.50000	.00000	8.57800	134.81000
1.450	-4.008	6.03149	432.87800	1.99663	294.06500	1004.80000	1.51374	110.80000	.00000	7.34200	123.50000
1.450	-2.000	6.05384	432.62400	1.99697	293.96900	1004.20000	1.51366	110.50000	.00000	6.49900	108.23000
1.450	.023	5.99237	432.54100	1.99616	293.97000	1004.00000	1.51360	110.60000	.00000	6.12600	89.79000
1.449	2.008	5.96693	432.68100	1.99695	294.26600	1004.30000	1.51342	110.60000	.00000	6.42100	71.47000
1.450	3.955	5.92801	432.57700	1.99671	293.87000	1004.10000	1.51373	110.50000	.00000	7.23000	56.41000
1.450	5.998	5.98764	432.75400	1.99664	294.06700	1004.50000	1.51365	110.70000	.00000	8.54600	45.09000
	GRADIENT	-.01473	-.02744	.00000	-.00450	-.06549	-.00001	-.02509	.00000	-.01631	-8.57628

RUN NO. 410/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.010	6.03153	435.12700	1.99644	276.27000	1014.20000	1.53224	110.30000	.00000	8.58400	134.77000
1.499	-4.021	6.02999	435.75300	1.99850	276.85900	1015.60000	1.53205	110.50000	.00000	7.34800	123.59000
1.499	-1.980	6.02794	436.24900	2.00276	277.35000	1016.70000	1.53188	110.10000	.00000	6.46800	108.12000
1.501	.023	5.98536	435.56100	1.99779	276.26400	1015.30000	1.53251	110.40000	.00000	6.11900	89.79000
1.499	1.991	5.98423	434.92700	1.99672	276.57100	1013.60000	1.53182	110.10000	.00000	6.43100	71.66000
1.500	4.005	5.96879	436.10800	2.00045	276.85400	1016.50000	1.53228	110.40000	.00000	7.28900	56.23000
1.499	6.032	6.03063	435.31900	1.99668	276.86400	1014.50000	1.53178	110.50000	.00000	8.59800	45.11000
	GRADIENT	-.00830	-.03013	-.00010	-.03935	-.06384	.00002	-.01007	.00000	-.00840	-8.54747

RUN NO. 390/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.549	-6.006	6.01754	438.15800	2.00150	260.76800	1028.60001	1.54917	110.10000	.00000	8.57100	134.82000
1.550	-4.001	5.99862	438.06100	2.00188	260.46900	1028.50000	1.54940	109.90000	.00000	7.31100	123.62000
1.550	-1.982	6.05304	438.36200	2.00138	260.66500	1029.20000	1.54939	110.30000	.00000	6.49200	108.08000
1.550	.005	5.97133	438.32500	2.00169	260.66600	1029.10001	1.54936	110.20000	.00000	6.10500	89.91000
1.549	1.991	5.95241	438.32700	2.00180	260.86500	1029.00000	1.54917	110.20000	.00000	6.40200	71.57000
1.550	3.972	5.94988	438.56900	2.00231	260.76200	1029.70000	1.54941	110.30000	.00000	7.25600	56.35000
1.551	6.065	5.99930	438.13200	2.00209	260.26800	1028.80000	1.54965	109.90000	.00000	8.59900	44.81000
	GRADIENT	-.00992	.04930	.00006	.03952	.11055	-.00001	.03526	.00000	-.01057	-8.58667

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (14R045) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 453/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.600	-6.014	6.00594	1.01866	.10086	.42422	.44137	.09760	-.32336	.34377	-.32845	.34156
.599	-4.001	6.02803	1.04379	.15945	.36748	.45802	.11410	-.20802	.34392	-.21353	.34232
.599	-1.988	6.05221	1.05666	.21579	.31129	.46950	.12382	-.09550	.34568	-.10031	.34409
.600	.022	5.96985	1.06122	.27404	.25381	.46807	.13033	.02022	.33775	.01427	.33581
.600	2.000	5.98689	1.05750	.32974	.19935	.46246	.12817	.13040	.33429	.12519	.33229
.600	3.964	5.95368	1.04494	.38561	.14604	.44867	.11676	.23957	.33191	.23392	.32938
.600	5.979	5.95783	1.02065	.44121	.09027	.42906	.09712	.35094	.33194	.34617	.32914
	GRADIENT	-.01075	.00017	.02843	-.02786	-.00128	.00050	.05629	-.00178	.05625	-.00189

RUN NO. 445/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.799	-6.020	6.03405	1.10615	.16638	.49027	.50618	.16244	-.32388	.34375	-.32916	.34144
.798	-4.007	6.02509	1.12519	.22342	.43315	.51964	.17813	-.20972	.34151	-.21472	.33857
.799	-1.982	6.01450	1.13924	.28440	.37928	.52983	.19105	-.09488	.33882	-.09967	.33598
.800	.028	5.97877	1.14124	.33994	.32206	.52972	.19441	.01788	.33532	.01209	.33266
.799	1.989	5.94286	1.13850	.39579	.26949	.52441	.19392	.12630	.33049	.12125	.32753
.799	3.994	6.00023	1.12923	.45127	.21428	.51415	.18084	.23698	.33331	.23136	.32973
.802	5.955	5.95743	1.10716	.50389	.15907	.49459	.16467	.34482	.32993	.33975	.32609
	GRADIENT	-.00608	.00038	.02839	-.02741	-.00082	.00042	.05581	-.00124	.05573	-.00131

RUN NO. 486/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-6.022	6.03528	1.16465	.24105	.55377	.56914	.23778	-.31273	.33136	-.31529	.32860
.900	-3.996	6.02945	1.18351	.29735	.49890	.58312	.25405	-.20156	.32907	-.20349	.32596
.900	-1.988	6.01280	1.19291	.35249	.44427	.59033	.26342	-.09178	.32691	-.09437	.32418
.900	.026	5.99372	1.19619	.40727	.38860	.59065	.26722	.01867	.32343	.01491	.32079
.901	2.012	5.98024	1.19428	.46229	.33833	.58657	.26648	.12396	.32010	.12056	.31721
.900	3.973	5.94791	1.18284	.51524	.28731	.57401	.25691	.22793	.31710	.22430	.31360
.900	5.996	5.97943	1.16415	.56775	.23219	.55876	.24084	.33556	.31791	.33178	.31450
	GRADIENT	-.00981	.00001	.02736	-.02654	-.00109	.00045	.05390	-.00154	.05369	-.00159

RUN NO. 434/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.099	-6.021	6.04370	1.28627	.44181	.72147	.73510	.43826	-.27966	.29684	-.28355	.29436
1.100	-4.016	6.04745	1.30199	.49224	.67281	.74713	.45171	-.18056	.29542	-.18494	.29300
1.099	-1.976	5.99970	1.31318	.54264	.62501	.75480	.46183	-.08237	.29297	-.08603	.28993
1.100	.029	6.00679	1.31496	.59192	.57572	.75564	.46419	.01620	.29145	.01152	.28855
1.100	1.999	5.95397	1.31447	.64109	.53128	.75148	.46504	.10981	.28644	.10484	.28332
1.101	3.977	5.97107	1.30456	.68867	.48573	.74120	.45597	.20294	.28523	.19839	.28190
1.101	5.952	5.97598	1.28882	.73497	.43782	.72765	.44222	.29716	.28543	.29263	.28233
	GRADIENT	-.00996	.00033	.02461	-.02344	-.00075	.00060	.04805	-.00135	.04797	-.00144

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R045) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 364/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.249	-6.022	6.02200	1.37808	.50785	.78392	.79871	.50700	-.27606	.29170	-.27725	.28982
1.249	-4.000	6.01989	1.39185	.55763	.73483	.81150	.51964	-.17716	.29186	-.17848	.28994
1.250	-1.990	6.05512	1.40019	.60615	.68447	.81876	.52579	-.07832	.29296	-.07965	.29066
1.250	.014	5.95848	1.40497	.65631	.63914	.81653	.53132	.01718	.28521	.01463	.28300
1.250	1.993	5.98104	1.40217	.70395	.59420	.81158	.52970	.10975	.28187	.10714	.27991
1.251	3.966	5.93480	1.39557	.75261	.55028	.80140	.52250	.20233	.27889	.19971	.27644
1.249	6.050	6.02578	1.37769	.80144	.50052	.78844	.50572	.30092	.28272	.29837	.27989
	GRADIENT	-.01226	.00048	.02449	-.02307	-.00137	.00049	.04755	-.00186	.04736	-.00190

RUN NO. 420/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.400	-6.020	6.02652	1.45952	.52417	.80991	.81894	.52456	-.28574	.29438	-.28856	.29174
1.400	-3.992	6.01606	1.47360	.57216	.75927	.82990	.53486	-.18710	.29503	-.19012	.29270
1.399	-1.990	6.03920	1.47957	.62099	.71224	.83893	.54334	-.09125	.29562	-.09424	.29304
1.400	.028	5.97856	1.48084	.67144	.66356	.84075	.54597	.00788	.29477	.00321	.29235
1.400	2.004	5.96861	1.48007	.72073	.61855	.83651	.54412	.10218	.29239	.09767	.28956
1.399	3.978	5.96283	1.47340	.76978	.57308	.82732	.53626	.19670	.29106	.19221	.28799
1.399	5.953	5.94239	1.46063	.81814	.52648	.81512	.52431	.29167	.29081	.28708	.28789
	GRADIENT	-.00889	.00001	.02483	-.02338	-.00037	.00019	.04821	-.00056	.04799	-.00065

RUN NO. 373/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.450	-6.010	6.02410	1.47224	.52617	.81575	.81493	.52841	-.28959	.28653	-.29197	.28424
1.450	-4.008	6.03149	1.48437	.57029	.76565	.82425	.53698	-.19535	.28728	-.19770	.28537
1.450	-2.000	6.05384	1.49076	.61728	.71607	.83292	.54160	-.09879	.29132	-.10178	.28942
1.450	.023	5.99237	1.49530	.66665	.66786	.83696	.54433	-.00122	.29264	-.00423	.29043
1.449	2.008	5.96693	1.49078	.71492	.61996	.83544	.54269	.09496	.29275	.09100	.29071
1.450	3.955	5.92801	1.48454	.76410	.57469	.82765	.53713	.18941	.29052	.18534	.28818
1.450	5.998	5.98764	1.47097	.81526	.52951	.82081	.52420	.28575	.29661	.28163	.29411
	GRADIENT	-.01473	.00003	.02434	-.02398	.00048	.00008	.04833	.00040	.04810	.00035

RUN NO. 410/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.500	-6.010	6.03153	1.50141	.52583	.82141	.82195	.52905	-.29558	.29289	-.29854	.29087
1.499	-4.021	6.02999	1.50962	.57324	.76966	.83184	.53896	-.19643	.29288	-.19993	.29056
1.499	-1.980	6.02794	1.51785	.62314	.71880	.83748	.54660	-.09566	.29087	-.09930	.28854
1.501	.023	5.98536	1.51598	.67161	.66834	.83772	.54744	.00327	.29029	-.00059	.28778
1.499	1.991	5.98423	1.51712	.72230	.62446	.83872	.54592	.09784	.29280	.09349	.29016
1.500	4.005	5.96879	1.50777	.77177	.57840	.83284	.53676	.19337	.29608	.18858	.29348
1.499	6.032	6.03063	1.49865	.82398	.53765	.82671	.52340	.28633	.30331	.28189	.30045
	GRADIENT	-.00830	-.00022	.02478	-.02382	.00016	-.00025	.04860	.00041	.04844	.00037

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R045) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 390/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.549	-6.006	6.01754	1.54900	.53120	.82299	.81906	.53121	-.29179	.28786	-.29487	.28519
1.550	-4.001	5.99862	1.55144	.57411	.77057	.82775	.53911	-.19645	.28864	-.19973	.28604
1.550	-1.982	6.05304	1.55290	.62127	.71965	.83952	.54757	-.09839	.29195	-.10202	.28898
1.550	.005	5.97133	1.55051	.66727	.67221	.84207	.54979	-.00494	.29228	-.00827	.28932
1.549	1.991	5.95241	1.55155	.71755	.62616	.84259	.55010	.09139	.29249	.08684	.28963
1.550	3.972	5.94988	1.54924	.76721	.58394	.83488	.54244	.18326	.29244	.17847	.28968
1.551	6.065	5.99930	1.54530	.82111	.54467	.82585	.52491	.27645	.30094	.27125	.29789
	GRADIENT	-.00992	-.00029	.02422	-.02343	.00088	.00047	.04765	.00041	.04746	.00040

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R045) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 453/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.600	-6.014	6.00594	.26508	.27059	.26784	.05737	-.00016
.599	-4.001	6.02803	.26622	.28686	.27654	.05651	.00146
.599	-1.988	6.05221	.26594	.29746	.28170	.05662	-.00189
.600	.022	5.96985	.26690	.30017	.28353	.05677	-.00361
.600	2.000	5.98689	.26715	.29631	.28173	.05552	-.00131
.600	3.964	5.95368	.26865	.28398	.27631	.05545	-.00096
.600	5.979	5.95783	.26813	.26449	.26631	.05584	.00030
	GRADIENT	-.01075	.00030	-.00033	-.00002	-.00016	-.00022

RUN NO. 445/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.799	-6.020	6.03405	.33096	.33546	.33321	.05675	-.00145
.798	-4.007	6.02509	.33078	.35036	.34057	.05702	-.00138
.799	-1.982	6.01450	.33424	.36189	.34806	.05616	-.00116
.800	.028	5.97877	.33389	.36339	.34864	.05560	-.00279
.799	1.989	5.94286	.33516	.36064	.34790	.05530	-.00053
.799	3.994	6.00023	.33559	.34928	.34244	.05495	.00028
.802	5.955	5.95743	.33401	.33155	.33279	.05544	-.00292
	GRADIENT	-.00608	.00053	-.00016	.00018	-.00025	.00020

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R045) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 486/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-6.022	6.03528	.39869	.40484	.40177	.05545	-.00147
.900	-3.996	6.02945	.39910	.42014	.40962	.05472	-.00096
.900	-1.988	6.01280	.39967	.42824	.41396	.05431	-.00124
.900	.026	5.99372	.39982	.43025	.41503	.05379	-.00178
.901	2.012	5.98024	.40201	.42797	.41499	.05288	-.00209
.900	3.973	5.94791	.40309	.41721	.41015	.05300	-.00081
.900	5.996	5.97943	.40186	.40151	.40168	.05321	.00107
	GRADIENT	-.00981	.00052	-.00030	.00011	-.00024	-.00003

RUN NO. 434/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.099	-6.021	6.04370	.58359	.58792	.58575	.04940	-.00035
1.100	-4.016	6.04745	.58471	.60063	.59267	.04873	-.00133
1.099	-1.976	5.99970	.58565	.60984	.59774	.04865	-.00086
1.100	.029	6.00679	.58617	.61137	.59877	.04808	-.00177
1.100	1.999	5.95397	.58867	.60982	.59925	.04710	-.00211
1.101	3.977	5.97107	.58947	.60025	.59486	.04754	.00008
1.101	5.952	5.97598	.58866	.58649	.58757	.04780	.00029
	GRADIENT	-.00996	.00063	-.00003	.00030	-.00020	.00008

RUN NO. 364/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.249	-6.022	6.02200	.64648	.65379	.65014	.04861	-.00037
1.249	-4.000	6.01989	.64692	.66653	.65673	.04930	.00092
1.250	-1.990	6.05512	.64597	.67342	.65970	.04818	-.00206
1.250	.014	5.95848	.64900	.67503	.66201	.04660	-.00311
1.250	1.993	5.98104	.65038	.67162	.66100	.04681	-.00162
1.251	3.966	5.93480	.65275	.66318	.65796	.04713	-.00038
1.249	6.050	6.02578	.65225	.64850	.65037	.04747	.00268
	GRADIENT	-.01226	.00081	-.00042	.00019	-.00029	-.00011

RUN NO. 420/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.400	-6.020	6.02652	.66845	.67307	.67076	.04875	.00054
1.400	-3.992	6.01606	.66722	.68355	.67539	.04810	.00034
1.399	-1.990	6.03920	.66811	.69244	.68027	.04808	.00004
1.400	.028	5.97856	.66984	.69457	.68221	.04811	-.00100
1.400	2.004	5.96861	.67190	.69173	.68181	.04774	-.00132
1.399	3.978	5.96283	.67367	.68332	.67850	.04800	-.00033
1.399	5.953	5.94239	.67461	.67118	.67289	.04807	.00008
	GRADIENT	-.00889	.00084	-.00005	.00039	-.00003	-.00014

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R045) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 373/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.450	-6.010	6.02410	.67215	.67282	.67248	.04695	.00007
1.450	-4.008	6.03145	.66914	.68157	.67536	.04738	.00157
1.450	-2.000	6.05384	.66817	.68821	.67819	.04814	.00140
1.450	.023	5.99237	.66876	.69175	.68026	.04802	.00040
1.449	2.008	5.96693	.66942	.69009	.67976	.04834	-.00108
1.450	3.955	5.92801	.67143	.68356	.67750	.04793	.00039
1.450	5.998	5.98764	.67445	.67376	.67410	.04672	.00416
	GRADIENT	-.01473	.00029	.00030	.00030	.00007	-.00024

RUN NO. 410/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.500	-6.010	6.03153	.67510	.67651	.67581	.04969	.00008
1.499	-4.021	6.02999	.67320	.68656	.67988	.04937	-.00062
1.499	-1.980	6.02794	.67279	.69321	.68300	.04944	-.00100
1.501	.023	5.98536	.67191	.69383	.68287	.04860	.00053
1.499	1.991	5.98423	.67555	.69364	.68460	.04745	.00139
1.500	4.005	5.96879	.67747	.68610	.68179	.04663	.00249
1.499	6.032	6.03063	.68303	.67649	.67976	.04573	.00391
	GRADIENT	-.00830	.00056	-.00002	.00027	-.00037	.00043

RUN NO. 390/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.549	-6.006	6.01754	.67863	.67647	.67755	.04708	.00005
1.550	-4.001	5.99862	.67398	.68473	.67935	.04816	.00117
1.550	-1.982	6.05304	.67228	.69503	.68365	.04777	.00090
1.550	.005	5.97133	.67140	.69741	.68441	.04750	.00010
1.549	1.991	5.95241	.67413	.69777	.68595	.04744	-.00033
1.550	3.972	5.94988	.67797	.69004	.68401	.04511	.00175
1.551	6.065	5.99930	.68549	.67690	.68120	.04395	.00501
	GRADIENT	-.00992	.00049	.00068	.00058	-.00032	-.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R046) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.277 BETA = 6.000
PHI = .000

RUN NO. 301/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.598	-5.967	6.03897	321.69500	2.49596	1284.08000	1635.60001	1.09271	110.20000	.00000	8.63400	134.49000
.598	-3.981	5.99450	320.91600	2.49276	1283.80000	1634.39999	1.09250	110.10000	.00000	7.36200	123.46000
.599	-1.981	5.97757	322.02100	2.49855	1283.38000	1635.30000	1.09285	109.90000	.00000	6.48000	108.27000
.598	-.991	5.99815	321.25200	2.49348	1283.49001	1634.50000	1.09263	110.20000	.00000	6.26600	99.36000
.597	-.001	5.98862	320.83300	2.49190	1283.89999	1634.39999	1.09244	110.20000	.00000	6.17700	90.04000
.599	1.012	6.02688	322.02600	2.49706	1283.58000	1635.50000	1.09283	110.20000	.00000	6.29700	80.56000
.600	2.003	5.99598	322.97100	2.50197	1283.64999	1636.70000	1.09313	110.10000	.00000	6.50300	71.66000
.598	4.011	6.02501	321.69000	2.49578	1283.88000	1635.39999	1.09273	110.20000	.00000	7.40100	56.53000
.598	6.029	6.01405	321.26400	2.49449	1283.99001	1635.00000	1.09259	110.10000	.00000	8.65700	45.13000
	GRADIENT	.00448	.13771	.00054	.02260	.18609	.00004	.01904	.00000	.00582	-8.57725

RUN NO. 322/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.969	6.01753	349.28200	1.99687	616.04900	1041.89993	1.21922	110.50000	.00000	8.59100	134.64000
.900	-3.999	6.00653	349.09200	1.99635	616.25300	1041.80000	1.21901	110.50000	.00000	7.35500	123.55000
.901	-1.975	5.96194	349.53100	1.99843	615.74500	1042.00000	1.21951	110.30000	.00000	6.43900	108.27000
.899	-.001	5.96647	348.89300	1.99613	616.35700	1041.60001	1.21883	110.40000	.00000	6.13200	90.03000
.900	2.014	6.05043	349.11400	1.99592	615.75300	1041.39999	1.21922	110.50000	.00000	6.53300	71.69000
.899	3.988	6.00092	348.72500	1.99517	616.06100	1041.10001	1.21884	110.40000	.00000	7.34300	56.53000
.899	6.049	6.02987	348.65600	1.99445	616.06200	1041.00000	1.21879	110.50000	.00000	8.65300	45.06000
	GRADIENT	.00387	-.05736	-.00024	-.01916	-.10003	-.00003	-.00004	.00000	.00309	-8.54702

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (14R046) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.277 BETA = 6.000
PHI = .000

RUN NO. 301/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.598	-5.967	6.03897	.99833	.09700	.42770	.44146	.09979	-.33069	.34166	-.32875	.34032
.598	-3.981	5.99450	1.02510	.15435	.37331	.45993	.11755	-.21896	.34238	-.21670	.34079
.599	-1.981	5.97757	1.03381	.21088	.31473	.46833	.12753	-.10385	.34080	-.10150	.33947
.598	-.991	5.99815	1.04154	.24047	.28713	.47273	.12972	-.04666	.34301	-.04461	.34143
.597	-.001	5.98862	1.04302	.26862	.25811	.47403	.13106	.01052	.34298	.01137	.34123
.599	1.012	6.02688	1.03694	.29623	.22797	.47179	.12902	.06827	.34277	.06938	.34111
.600	2.003	5.99598	1.03127	.32364	.20101	.46583	.12755	.12263	.33828	.12393	.33669
.598	4.011	6.02501	1.02011	.38151	.14587	.45414	.11447	.23565	.33967	.23614	.33746
.598	6.029	6.01405	.99577	.43684	.08811	.43599	.09660	.34873	.33939	.34971	.33762
	GRADIENT	.00448	-.00071	.02837	-.02853	-.00070	-.00031	.05690	-.00038	.05666	-.00046

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R046) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.277 BETA = 6.000
PHI = .000

RUN NO. 322/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-5.969	6.01753	1.13619	.23858	.55692	.56974	.24350	-.31834	.32624	-.31480	.32774
.900	-3.999	6.00653	1.15449	.29225	.50380	.58335	.25724	-.21153	.32610	-.20679	.32699
.901	-1.975	5.96194	1.16571	.34982	.44840	.59188	.26833	-.09858	.32356	-.09433	.32408
.899	-.001	5.96647	1.16861	.40265	.39370	.59411	.27006	.00895	.32405	.01231	.32427
.900	2.014	6.05043	1.16418	.45662	.34074	.59061	.26575	.11588	.32486	.11928	.32499
.899	3.988	6.00092	1.15304	.50995	.28772	.57884	.25549	.22223	.32335	.22585	.32331
.899	6.049	6.02987	1.13344	.56213	.23183	.56315	.23820	.33030	.32494	.33337	.32496
	GRADIENT	.00387	-.00022	.02716	-.02704	-.00051	-.00030	.05420	-.00021	.05405	-.00032

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R046) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.277 BETA = 6.000
PHI = .000

RUN NO. 301/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.598	-5.967	6.03897	.26138	.27130	.26634	.05611	.00080
.598	-3.981	5.99450	.26270	.28954	.27612	.05704	-.00089
.599	-1.981	5.97757	.26163	.29859	.28011	.05780	.00150
.598	-.991	5.99815	.26277	.30202	.28239	.05674	.00092
.597	-.001	5.98862	.26294	.30342	.28318	.05712	.00017
.599	1.012	6.02688	.26155	.30124	.28139	.05624	-.00259
.600	2.003	5.99598	.26168	.29748	.27958	.05484	-.00366
.598	4.011	6.02501	.26344	.28541	.27442	.05636	.00141
.598	6.029	6.01405	.26198	.26718	.26458	.05622	-.00059
	GRADIENT	.00448	.00004	-.00047	-.00021	-.00022	-.00011

RUN NO. 322/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-5.969	6.01753	.39598	.40587	.40093	.05453	.00000
.900	-3.999	6.00653	.39566	.41985	.40775	.05538	-.00114
.901	-1.975	5.96194	.39699	.42985	.41342	.05504	-.00088
.899	-.001	5.96647	.39650	.43197	.41424	.05316	.00068
.900	2.014	6.05043	.39698	.42811	.41254	.05371	-.00048
.899	3.988	6.00092	.39703	.41719	.40711	.05330	-.00027
.899	6.049	6.02987	.39545	.40067	.39806	.05158	.00134
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R047) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.496 BETA = 6.000
PHI = .000

RUN NO. 296/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.598	-5.962	6.02389	321.15000	2.49357	1282.80000	1633.70000	1.09264	110.00000	.00000	8.62300	134.53000
.599	-3.950	5.96983	322.52400	2.49930	1282.87000	1635.39999	1.09303	110.10000	.00000	7.32800	123.36000
.598	-1.981	5.96267	321.06200	2.49253	1282.70000	1633.50000	1.09262	110.10000	.00000	6.46900	108.32000
.599	-1.000	6.03432	321.82700	2.49575	1282.38000	1634.10001	1.09289	110.10000	.00000	6.30600	99.40000
.599	-.005	5.95522	322.51200	2.49996	1282.37000	1634.89999	1.09308	109.90000	.00000	6.14700	90.10000
.599	.996	6.03276	322.51000	2.49987	1282.27000	1634.80000	1.09308	109.90000	.00000	6.30300	80.73000
.599	2.004	5.98719	321.99800	2.49820	1282.38000	1634.30000	1.09293	109.80000	.00000	6.49700	71.65000
.598	4.022	6.03719	320.80700	2.49202	1282.81000	1633.30000	1.09253	110.00000	.00000	7.41900	56.53000
.598	6.021	5.99193	321.24100	2.49414	1283.00000	1634.00000	1.09264	110.00000	.00000	8.63700	45.08000
	GRADIENT	.00757	-.10372	-.00033	-.02309	-.14600	-.00003	-.02857	.00000	.01124	-8.58519

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R047) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.496 BETA = 6.000
PHI = .000

RUN NO. 296/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.598	-5.962	6.02389	1.00499	.09698	.43106	.44428	.10084	-.33408	.34345	-.32945	.34384
.599	-3.950	5.96983	1.02609	.15542	.37212	.45852	.11956	-.21670	.33896	-.21250	.33937
.598	-1.981	5.96267	1.04371	.21208	.31730	.47086	.12974	-.10522	.34112	-.10017	.34200
.599	-1.000	6.03432	1.04286	.23921	.28707	.47489	.13050	-.04786	.34439	-.04346	.34526
.599	-.005	5.95522	1.04198	.26797	.25818	.47202	.13257	.00980	.33946	.01312	.34010
.599	.996	6.03276	1.03984	.29567	.22949	.47224	.12956	.06618	.34268	.06990	.34324
.599	2.004	5.98719	1.03917	.32547	.20193	.46842	.12943	.12354	.33900	.12710	.33943
.598	4.022	6.03719	1.02772	.38206	.14548	.45787	.11657	.23657	.34130	.23937	.34097
.598	6.021	5.99193	1.00156	.43751	.08945	.43630	.09791	.34806	.33839	.35129	.33865
	GRADIENT	.00757	-.00015	.02843	-.02855	-.00026	-.00034	.05697	.00008	.05675	-.00002

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R047) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.496 BETA = 6.000
PHI = .000

RUN NO. 296/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.598	-5.962	6.02389	.26171	.27237	.26704	.05849	-.00272
.599	-3.950	5.96987	.26167	.28884	.27525	.05734	-.00122
.598	-1.981	5.96267	.26216	.29986	.28101	.05762	.00497
.599	-1.000	6.03432	.26094	.30226	.28160	.05745	-.00231
.599	-.005	5.95522	.26141	.30197	.28169	.05661	-.00117
.599	.996	6.03276	.26072	.30061	.28067	.05686	.00079
.599	2.004	5.98719	.26192	.29871	.28032	.05636	-.00388
.598	4.022	6.03719	.26238	.28738	.27488	.05558	.00126
.598	6.021	5.99193	.26186	.26697	.26442	.05620	-.00237
	GRADIENT	.00757	.00005	-.00025	-.00010	-.00024	-.00011

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R048) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 297/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-3.993	-.00025	321.89600	2.49661	1281.69000	1633.50000	1.09293	109.90000	.00000	-3.70400	-.04000
.600	-2.002	-.00137	322.49900	2.49942	1281.77000	1634.30000	1.09312	109.90000	.00000	-1.73700	-.04000
.599	.014	-.00404	322.14600	2.49695	1281.38000	1633.50000	1.09304	110.00000	.00000	.25300	-.04000
.599	1.990	-.00377	322.32700	2.49808	1281.77000	1634.10001	1.09308	110.00000	.00000	2.20600	-.04000
.600	3.973	-.00512	322.57700	2.49841	1281.47000	1634.10001	1.09317	110.10000	.00000	4.16700	-.04000
	GRADIENT	-.00061	.05962	.00011	-.02219	.04996	.00002	.02510	.00000	.98797	-.00000

RUN NO. 438/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.799	-3.981	.00310	321.90300	1.99942	719.74200	1096.39999	1.17010	109.30000	.00000	-3.68500	-.02000
.798	-2.020	.00185	322.05700	2.00204	722.23500	1098.89999	1.16956	109.40000	.00000	-1.74800	-.02000
.800	.033	.00060	323.43500	2.00747	722.60400	1101.10001	1.17024	109.50000	.00000	.27800	-.02000
.802	1.968	-.00019	322.75400	2.00129	717.72700	1095.70000	1.17109	109.20000	.00000	2.18800	-.02000
.801	3.990	-.00014	324.26100	2.01167	722.58600	1102.20000	1.17071	109.30000	.00000	4.18400	-.01000
	GRADIENT	-.00043	.27269	.00120	.06169	.42522	.00014	-.00987	.00000	.98715	.00100

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R048) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 323/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-4.339	-.00173	349.66700	1.99878	616.44100	1042.80000	1.21933	110.50000	.00000	-4.03100	.05000
.899	-4.008	-.00159	348.70300	1.99515	616.56000	1041.50000	1.21863	110.50000	.00000	-3.70400	.05000
.901	-1.992	.00003	349.58200	1.99752	615.54400	1041.89999	1.21962	110.50000	.00000	-1.71600	.05000
.900	-.019	.00139	349.36100	1.99728	616.14700	1042.10001	1.21923	110.50000	.00000	.22800	.03000
.900	1.960	.00289	349.18000	1.99690	616.45100	1042.10001	1.21900	110.50000	.00000	2.17600	.03000
.899	4.010	.00384	349.07900	1.99692	616.85200	1042.30000	1.21877	110.50000	.00000	4.19700	.03000
	GRADIENT	.00069	-.01891	-.00003	.04511	.01153	-.00003	.00000	.00000	.98544	-.00293

RUN NO. 427/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.101	-3.999	.00128	372.34600	1.90191	439.13600	938.30000	1.33784	109.60000	.00000	-3.67900	.00000
1.100	-2.019	.00081	370.92900	1.89466	437.86400	935.00000	1.33753	109.70000	.00000	-1.73500	.00000
1.101	.025	.00032	373.55000	1.90769	440.21300	941.10000	1.33810	109.60000	.00000	.27200	.00000
1.099	1.990	-.00016	370.75000	1.89375	438.46300	935.10000	1.33690	109.90000	.00000	2.20100	-.01000
1.098	3.997	-.00090	371.73500	1.90030	440.23900	938.00000	1.33644	109.70000	.00000	4.17200	-.01000
	GRADIENT	-.00027	-.06823	-.00020	.14161	-.02094	-.00017	.01988	.00000	.98180	-.00150

RUN NO. 339/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.249	-3.931	.00872	403.48800	1.94404	369.21500	955.70000	1.42304	111.00000	.00000	-3.61300	.00000
1.250	-2.026	.00785	404.59800	1.94886	369.69900	958.10000	1.42351	111.00000	.00000	-1.74200	.00000
1.251	-.045	.00671	405.00400	1.95540	369.69500	958.90000	1.42384	109.90000	.00000	.20200	.00000
1.250	1.988	.00592	405.12800	1.95692	370.28800	959.40000	1.42342	109.80000	.00000	2.19600	.00000
1.249	3.970	.00552	404.54800	1.95520	370.39200	958.30000	1.42286	109.70000	.00000	4.14100	.00000
	GRADIENT	-.00042	.13237	.00153	.14851	.32532	-.00002	-.19171	.00000	.98137	.00000

RUN NO. 413/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-3.986	.00560	430.06000	2.00422	313.49600	997.50000	1.49357	109.90000	.00000	-3.66100	.00000
1.400	-2.018	.00466	429.58200	2.00072	313.30200	996.40000	1.49343	110.20000	.00000	-1.73100	-.01000
1.400	.015	.00337	429.67600	1.99993	313.00500	996.60000	1.49377	110.40000	.00000	.26200	-.01000
1.400	1.966	.00349	429.97400	2.00239	313.39800	997.30000	1.49360	110.20000	.00000	2.17600	.00000
1.400	4.003	.00262	430.10400	2.00346	313.49600	997.60000	1.49360	110.10000	.00000	4.17300	-.01000
	GRADIENT	-.00036	.02415	.00001	.00473	.05534	.00001	.02002	.00000	.98064	-.00050

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R048) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 366/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-.001	-.00266	432.97700	2.00151	294.36200	1005.00000	1.51351	109.90000	.00000	-3.67700	.00000
1.450	-1.995	-.00315	433.01300	2.00112	294.26200	1005.10000	1.51364	110.00000	.00000	-1.71000	.00000
1.450	.005	-.00072	433.30400	2.00139	294.25900	1005.80000	1.51382	110.20000	.00000	.25200	-.01000
1.450	1.974	-.00225	433.31400	2.00157	294.45700	1005.80000	1.51365	110.20000	.00000	2.18300	-.01000
1.450	4.010	-.00159	433.22600	1.99974	294.35900	1005.60000	1.51368	110.50000	.00000	4.17900	-.01000
	GRADIENT	.00015	.03991	-.00016	.00937	.09491	.00002	.07011	.00000	.98066	-.00150

RUN NO. 403/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-3.980	.00115	435.11500	1.99679	276.17000	1014.20000	1.53232	110.20000	.00000	-3.65600	-.01000
1.499	-2.014	.00237	435.20300	1.99788	276.56700	1014.30000	1.53200	110.10000	.00000	-1.72800	-.01000
1.500	.015	.00106	435.47900	1.99857	276.56400	1015.00000	1.53217	110.20000	.00000	.26200	-.01000
1.500	1.985	.00176	435.15400	1.99649	276.17000	1014.30000	1.53234	110.30000	.00000	2.19400	-.01000
1.500	3.992	-.00131	435.20600	1.99537	276.26900	1014.40000	1.53228	110.60000	.00000	4.16200	-.01000
	GRADIENT	-.00028	.00677	-.00021	-.01001	.02031	.00001	.05020	.00000	.98062	-.00000

RUN NO. 382/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-3.979	-.00146	437.00300	1.99838	259.68600	1026.10001	1.54956	109.60000	.00000	-3.65600	.00000
1.551	-2.018	-.00015	438.24400	2.00256	260.26700	1029.10001	1.54971	109.90000	.00000	-1.73100	-.01000
1.551	-.024	.00128	437.32200	2.00120	259.78100	1026.89999	1.54964	109.30000	.00000	.22400	-.01000
1.550	1.950	-.00333	439.52900	2.01091	261.24700	1032.00000	1.54950	109.40000	.00000	2.16000	-.01000
1.549	4.007	-.00117	439.21300	2.00866	261.35200	1031.10001	1.54921	109.60000	.00000	4.17600	.00000
	GRADIENT	-.00013	.28545	.00145	.21616	.64523	-.00005	-.02492	.00000	.98072	.00001

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (14R048) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 297/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-3.993	-.00025	1.07054	.18513	.40789	.28993	.28828	-.22277	.00165	-.21952	.00190
.600	-2.002	-.00137	1.07372	.24165	.35165	.29738	.29967	-.11000	-.00229	-.10682	-.00121
.599	.014	-.00404	1.07587	.29937	.29324	.29973	.30531	.00613	-.00558	.00847	-.00457
.599	1.990	-.00377	1.07286	.35579	.23678	.29350	.30258	.11902	-.00908	.12181	-.00813
.600	3.973	-.00512	1.06533	.41243	.17849	.28131	.29037	.23394	-.00906	.23616	-.00805
	GRADIENT	-.00061	-.00056	.02855	-.02879	-.00105	.00036	.05734	-.00142	.05722	-.00135

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (14R048) (12 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 438/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.799	-3.981	.00310	1.16388	.25137	.47440	.35307	.34864	-.22303	.00443	-.22785	.00100
.798	-2.020	.00185	1.16379	.30605	.41575	.35850	.36021	-.10969	-.00172	-.11483	-.00378
.800	.033	.00060	1.16774	.36537	.35785	.36084	.36635	.00752	-.00551	.00171	-.00743
.802	1.968	-.00019	1.16129	.41815	.30173	.35296	.36121	.11642	-.00825	.11077	-.01049
.801	3.990	-.00014	1.15659	.47558	.24290	.34188	.34972	.23267	-.00784	.22635	-.01038
	GRADIENT	-.00043	-.00085	.02812	-.02895	-.00140	.00016	.05708	-.00156	.05696	-.00148

RUN NO. 323/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-4.339	-.00173	1.18583	.30844	.54728	.41895	.41882	-.23884	.00013	-.23456	.00073
.899	-4.008	-.00159	1.18641	.31533	.53738	.41940	.41920	-.22205	.00019	-.21766	.00075
.901	-1.992	.00003	1.19191	.37322	.48279	.42757	.43169	-.10958	-.00412	-.10506	-.00365
.900	-.019	.00139	1.19239	.42701	.42625	.42979	.43600	.00076	-.00621	.00396	-.00547
.900	1.960	.00289	1.18930	.48077	.37076	.42407	.43243	.11002	-.00836	.11259	-.00798
.899	4.010	.00384	1.18357	.53637	.31500	.41316	.42100	.22136	-.00784	.22465	-.00760
	GRADIENT	.00069	-.00011	.02744	-.02787	-.00033	.00075	.05531	-.00108	.05512	-.00111

RUN NO. 427/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.101	-3.999	.00128	1.32970	.51100	.70650	.59971	.59680	-.19550	.00292	-.19984	.00021
1.100	-2.019	.00081	1.33371	.56034	.65789	.60560	.60746	-.09755	-.00186	-.10159	-.00369
1.101	.025	.00032	1.33386	.61145	.60681	.60757	.61284	.00464	-.00526	-.00014	-.00758
1.099	1.990	-.00016	1.33337	.65861	.55621	.60149	.60837	.10241	-.00688	.09765	-.00913
1.098	3.997	-.00090	1.32965	.70925	.50871	.59263	.60084	.20054	-.00820	.19541	-.01022
	GRADIENT	-.00027	-.00002	.02474	-.02486	-.00091	.00045	.04960	-.00136	.04948	-.00132

RUN NO. 339/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.249	-3.931	.00872	1.38089	.57842	.76695	.66764	.66797	-.18853	-.00032	-.18435	-.00027
1.250	-2.026	.00785	1.38398	.62517	.72135	.67317	.67799	-.09619	-.00483	-.09244	-.00478
1.251	-.045	.00671	1.38283	.67326	.67378	.67407	.68182	-.00052	-.00775	.00167	-.00793
1.250	1.988	.00592	1.38334	.72121	.62641	.66973	.68051	.09480	-.01078	.09771	-.01119
1.249	3.970	.00552	1.38007	.76963	.57869	.66100	.67359	.19094	-.01259	.19354	-.01269
	GRADIENT	-.00042	-.00012	.02414	-.02379	-.00086	.00068	.04794	-.00154	.04774	-.00158

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R048) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 413/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.400	-3.986	.00560	1.49192	.59536	.78744	.68417	.67942	-.19208	.00475	-.19587	.00172
1.400	-2.018	.00466	1.49292	.64354	.73793	.68957	.68778	-.09439	.00179	-.09815	-.00017
1.400	.015	.00337	1.48831	.69394	.68519	.68836	.68921	.00876	-.00085	.00396	-.00261
1.400	1.966	.00349	1.49114	.74237	.64032	.68526	.68801	.10205	-.00275	.09782	-.00460
1.400	4.003	.00262	1.49048	.79415	.59151	.67692	.68020	.20263	-.00327	.19808	-.00519
	GRADIENT	-.00036	-.00024	.02487	-.02452	-.00095	.00009	.04939	-.00103	.04929	-.00091

RUN NO. 366/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.450	-4.001	-.00266	1.50763	.59386	.78847	.68621	.67803	-.19461	.00818	-.19643	.00523
1.450	-1.995	-.00315	1.49751	.64215	.73812	.69087	.68249	-.09598	.00838	-.09790	.00575
1.450	.005	-.00072	1.50331	.68917	.68812	.69241	.68435	.00105	.00806	-.00093	.00520
1.450	1.974	-.00225	1.50667	.73735	.64005	.68862	.68203	.09730	.00660	.09475	.00398
1.450	4.010	-.00159	1.50379	.78997	.59086	.68053	.67544	.19911	.00514	.19637	.00257
	GRADIENT	.00015	.00007	.02438	-.02467	-.00068	-.00028	.04906	-.00039	.04893	-.00036

RUN NO. 403/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.500	-3.980	.00115	1.52577	.59176	.79166	.68739	.67863	-.19990	.00876	-.20360	.00591
1.499	-2.014	.00237	1.52822	.63984	.74137	.69331	.68665	-.10153	.00666	-.10551	.00369
1.500	.015	.00106	1.52345	.69113	.69060	.69424	.68894	.00054	.00530	-.00322	.00193
1.500	1.985	.00176	1.52268	.73792	.64210	.68879	.68724	.09581	.00155	.09147	-.00066
1.500	3.992	-.00131	1.52271	.78815	.59868	.67880	.68142	.18947	-.00262	.18531	-.00480
	GRADIENT	-.00028	-.00059	.02461	-.02433	-.00109	.00031	.04894	-.00140	.04888	-.00129

RUN NO. 382/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.550	-3.979	-.00146	1.55052	.59033	.79184	.67659	.67275	-.20151	.00384	-.20528	.00076
1.551	-2.018	-.00015	1.55961	.63371	.74349	.68384	.68261	-.10978	.00123	-.11364	-.00097
1.551	-.024	.00128	1.55992	.68128	.69066	.68691	.68391	-.00938	.00300	-.01316	.00022
1.550	1.950	-.00333	1.55426	.73464	.64900	.68612	.68242	.08563	.00370	.08098	.00047
1.549	4.007	-.00117	1.54971	.79378	.60713	.68175	.67731	.18666	.00443	.18174	.00115
	GRADIENT	-.00013	-.00036	.02548	-.02326	.00062	.00044	.04874	.00019	.04858	.00011

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R048) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 297/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-3.993	-.00025	.29489	.28898	.29193	.05645	-.00158
.600	-2.002	-.00137	.29506	.29799	.29652	.05689	-.00153
.599	.014	-.00404	.29514	.30201	.29858	.05731	-.00198
.599	1.990	-.00377	.29489	.29756	.29623	.05751	-.00096
.600	3.973	-.00512	.29435	.28534	.28985	.05774	.00054
	GRADIENT	-.00061	-.00006	-.00038	-.00022	.00016	.00024

RUN NO. 438/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.799	-3.981	.00310	.36530	.35257	.35894	.05782	-.00263
.798	-2.020	.00185	.36348	.36038	.36193	.05728	-.00206
.800	.033	.00060	.36452	.36455	.36454	.05630	-.00180
.802	1.968	-.00019	.36277	.35820	.36049	.05683	-.00084
.801	3.990	-.00014	.36210	.34707	.35459	.05779	.00049
	GRADIENT	-.00043	-.00035	-.00066	-.00051	-.00003	.00037

RUN NO. 323/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-4.339	-.00173	.42572	.41858	.42215	.05060	.00026
.899	-4.008	-.00159	.42416	.41902	.42159	.05179	-.00037
.901	-1.992	.00003	.42575	.42940	.42757	.05669	-.00198
.900	-.019	.00139	.42503	.43253	.42878	.05474	-.00096
.900	1.960	.00289	.42448	.42806	.42627	.05485	-.00075
.899	4.010	.00384	.42404	.41696	.42050	.05456	.00065
	GRADIENT	.00069	-.00012	.00023	.00005	.00039	.00006

RUN NO. 427/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.101	-3.999	.00128	.61092	.59961	.60527	.04965	-.00191
1.100	-2.019	.00081	.61114	.60745	.60929	.04956	-.00209
1.101	.025	.00032	.61152	.61137	.61145	.04984	-.00136
1.099	1.990	-.00016	.60979	.60605	.60792	.04930	-.00052
1.098	3.997	-.00090	.61154	.59774	.60464	.04840	-.00055
	GRADIENT	-.00027	-.00001	-.00025	-.00013	-.00014	.00021

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R048) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 339/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.249	-3.931	.00872	.67060	.66778	.66919	.04840	-.00259
1.250	-2.026	.00785	.67139	.67555	.67347	.04794	-.00193
1.251	-.045	.00671	.67243	.67804	.67523	.04715	-.00160
1.250	1.988	.00592	.67235	.67532	.67384	.04775	-.00124
1.249	3.970	.00552	.67286	.66735	.67010	.04864	-.00052
	GRADIENT	-.00042	.00028	-.00007	.00010	.00002	.00024

RUN NO. 413/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.400	-3.986	.00560	.69329	.68331	.68830	.04934	-.00090
1.400	-2.018	.00466	.69261	.68966	.69113	.05031	-.00109
1.400	.015	.00337	.69196	.68966	.69081	.04908	-.00123
1.400	1.966	.00349	.69346	.68756	.69051	.04829	-.00065
1.400	4.003	.00262	.69511	.67951	.68731	.04969	-.00011
	GRADIENT	-.00036	.00022	-.00049	-.00013	-.00007	.00010

RUN NO. 366/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.450	-4.001	-.00266	.69207	.68359	.68783	.04928	.00038
1.450	-1.995	-.00315	.69110	.68800	.68955	.04880	.00002
1.450	.005	-.00072	.68963	.68981	.68972	.04829	-.00051
1.450	1.974	-.00225	.68997	.68663	.68830	.04924	-.00069
1.450	4.010	-.00159	.69179	.67929	.68554	.05026	-.00069
	GRADIENT	.00015	-.00008	-.00050	-.00029	.00012	-.00014

RUN NO. 403/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.500	-3.980	.00115	.69356	.68444	.68900	.04961	-.00122
1.499	-2.014	.00237	.69260	.69147	.69203	.05045	-.00096
1.500	.015	.00106	.69275	.69327	.69301	.04945	-.00097
1.500	1.985	.00176	.69218	.68912	.69065	.04711	-.00173
1.500	3.992	-.00131	.69550	.68119	.68835	.04658	-.00223
	GRADIENT	-.00028	.00017	-.00044	-.00013	-.00047	-.00014

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R048) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 382/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.550	-3.979	-.00146	.69297	.67621	.68459	.04552	-.00131
1.551	-2.018	-.00015	.69053	.68432	.68743	.04910	-.00002
1.551	-.024	.00128	.68786	.68680	.68733	.04935	.00052
1.550	1.950	-.00333	.69415	.68589	.69002	.04776	.00010
1.549	4.007	-.00117	.70291	.68117	.69204	.04961	.00045
	GRADIENT	-.00013	.00119	.00057	.00088	.00034	.00018

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R049) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.990 BETA = .000
PHI = .000

RUN NO. 381/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETA1	PHI1
1.552	-4.341	-.00248	437.80300	1.99564	259.57300	1028.30000	1.55014	110.90000	.00000	-4.01000	-.01000
1.548	-2.279	.00167	437.59600	1.99442	260.77700	1027.10001	1.54883	111.10000	.00000	-1.98700	-.01000
1.548	-.262	-.00684	437.90000	1.99357	261.17200	1027.70000	1.54862	111.60000	.00000	-.01000	.00000
1.550	1.817	-.00120	438.49400	1.98936	260.76300	1029.50000	1.54937	113.00000	.00000	2.03000	-.01000
1.551	3.818	-.00109	437.56600	1.99477	259.87700	1027.50000	1.54970	110.90000	.00000	3.99200	-.01000
	GRADIENT	-.00000	.02118	-.00034	.02955	.04005	-.00002	.09417	.00000	.98073	-.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R049) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.990 BETA = .000
PHI = .000

RUN NO. 381/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.552	-4.341	-.00248	1.55255	.58292	.80226	.67611	.67259	-.21934	.00352	-.22239	.00058
1.548	-2.279	.00167	1.55433	.63134	.75298	.68608	.68443	-.12164	.00164	-.12518	-.00068
1.548	-.262	-.00684	1.55998	.67574	.69631	.68696	.68407	-.02057	.00289	-.02401	.00009
1.550	1.817	-.00120	1.55348	.72808	.64998	.68460	.67912	.07810	.00548	.07391	.00205
1.551	3.818	-.00109	1.54665	.78484	.60893	.67937	.67429	.17590	.00508	.17149	.00192
	GRADIENT	-.00000	-.00062	.02452	-.02399	.00025	-.00009	.04850	.00034	.04834	.00027

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R049) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0/00 RN/L = 1.990 BETA = .000
PHI = .000

RUN NO. 381/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.552	-4.341	-.00248	.69412	.67582	.68497	.04608	-.00082
1.548	-2.279	.00167	.69393	.68641	.69017	.04928	-.00019
1.548	-.262	-.00684	.68775	.68691	.68733	.04882	.00091
1.550	1.817	-.00120	.69112	.68357	.68735	.04734	.00051
1.551	3.818	-.00109	.69909	.67841	.68875	.04948	-.00035
	GRADIENT	-.00000	.00035	.00012	.00023	.00024	.00008

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R050) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 299/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-4.356	.00579	321.73700	2.49462	1282.19000	1633.80000	1.09285	110.20000	.00000	-4.02000	90.05000
.599	-2.235	.00441	322.60100	2.49877	1282.47000	1635.10001	1.09308	110.20000	.00000	-1.92900	90.05000
.599	-.275	.00301	322.41300	2.49791	1281.77000	1634.20000	1.09310	110.10000	.00000	.00100	90.05000
.599	1.750	.00258	322.33200	2.49715	1281.97000	1634.30000	1.09307	110.20000	.00000	1.99500	90.05000
.598	3.775	.00133	321.47900	2.49457	1282.19000	1633.50000	1.09276	110.00000	.00000	3.99100	90.05000
	GRADIENT	-.00053	-.03772	-.00008	-.02419	-.06741	-.00001	-.01971	.00000	.98523	.00000

RUN NO. 437/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-4.375	.00037	321.51500	1.99649	718.35300	1094.60001	1.17023	109.30000	.00000	-4.03600	90.03000
.798	-2.327	-.00017	321.41400	1.99625	720.35200	1096.30000	1.16967	109.70000	.00000	-2.01700	90.03000
.799	-.305	-.00056	322.66500	2.00501	722.32100	1099.80000	1.16988	109.30000	.00000	-.02600	90.01000
.799	1.746	-.00025	322.32200	2.00087	720.43200	1097.60001	1.17016	109.50000	.00000	1.99100	90.01000
.799	3.780	.00019	320.83900	1.99290	718.36800	1093.70000	1.16985	109.50000	.00000	3.99500	90.01000
	GRADIENT	-.00002	-.02197	-.00013	.00511	-.02505	-.00001	.00990	.00000	.98466	-.00294

RUN NO. 324/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.899	-4.417	.00572	349.20800	1.99732	616.75000	1042.39999	1.21890	110.50000	.00000	-4.06900	90.08000
.901	-2.200	.00327	349.84700	1.99916	616.13800	1042.80000	1.21957	110.50000	.00000	-1.89000	90.08000
.901	-.278	.00100	349.94500	1.99985	616.43500	1043.20000	1.21952	110.50000	.00000	-.00200	90.08000
.900	1.783	-.00096	349.62600	1.99893	616.74100	1043.00000	1.21919	110.50000	.00000	2.02100	90.08000
.899	3.763	-.00326	349.17700	1.99761	617.14900	1042.70000	1.21873	110.50000	.00000	3.96700	90.08000
	GRADIENT	-.00109	-.01224	.00002	.06702	.04016	-.00003	-.00000	.00000	.98232	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R050) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 426/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.099	-4.389	-.00037	371.05900	1.89697	439.15500	936.10000	1.33665	109.60000	.00000	-4.02100	90.02000
1.101	-2.281	-.00122	372.17300	1.90013	438.54200	937.60000	1.33814	109.70000	.00000	-1.95700	90.00000
1.101	-.264	-.00073	373.37500	1.90627	439.91700	940.60000	1.33817	109.70000	.00000	.01600	90.00000
1.099	1.748	.00014	370.80900	1.89484	438.46300	935.20000	1.33696	109.70000	.00000	1.98400	90.00000
1.098	3.797	.00104	370.97700	1.89719	439.65300	936.30000	1.33620	109.60000	.00000	3.98900	90.00000
	GRADIENT	.00020	-.07302	-.00023	.04483	-.09489	-.00010	.00009	.00000	.97838	-.00198

RUN NO. 357/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-4.372	.00492	404.07600	1.94867	369.30800	956.90000	1.42344	110.50000	.00000	-4.00600	90.08000
1.251	-2.233	.00268	405.10600	1.95444	369.69400	959.10000	1.42392	110.20000	.00000	-1.91300	90.08000
1.250	-.271	.00013	404.33700	1.95259	369.50400	957.50000	1.42348	109.90000	.00000	.00500	90.08000
1.250	1.800	-.00104	404.07600	1.95002	369.30800	956.90000	1.42344	110.20000	.00000	2.02900	90.08000
1.249	3.786	-.00375	403.96700	1.94649	369.80400	956.90000	1.42291	111.00000	.00000	3.97200	90.08000
	GRADIENT	-.00103	-.05984	-.00042	.02997	-.10508	-.00007	.04840	.00000	.97787	.00000

RUN NO. 412/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-4.392	-.00534	429.97800	2.00272	313.20000	997.30000	1.49379	110.10000	.00000	-4.01900	90.01000
1.400	-2.301	-.00573	430.36600	2.00406	313.49300	998.20000	1.49378	110.20000	.00000	-1.97500	89.99000
1.400	-.268	-.00521	430.27200	2.00392	313.79100	998.00000	1.49344	110.20000	.00000	.01100	89.99000
1.400	1.761	-.00257	429.19700	2.00023	312.91000	995.50000	1.49353	109.90000	.00000	1.99300	89.98000
1.401	3.824	-.00142	428.94900	1.99812	312.12100	994.90000	1.49410	110.00000	.00000	4.00900	89.98000
	GRADIENT	.00054	-.15694	-.00063	-.13338	-.36475	.00002	-.02426	.00000	.97700	-.00342

RUN NO. 365/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-4.399	.00444	432.84200	1.99848	294.16500	1004.70000	1.51361	110.40000	.00000	-4.02600	90.06000
1.450	-2.312	.00202	433.44900	2.00134	294.65400	1006.10000	1.51354	110.40000	.00000	-1.98600	90.06000
1.450	-.274	-.00029	433.92200	2.00256	294.94700	1007.20000	1.51357	110.60000	.00000	.00500	90.06000
1.450	1.795	-.00111	433.87500	2.00277	294.84800	1007.10000	1.51363	110.50000	.00000	2.02600	90.06000
1.450	3.818	-.00394	433.57900	2.00148	294.75200	1006.40000	1.51353	110.50000	.00000	4.00200	90.06000
	GRADIENT	-.00097	.09285	.00036	.06683	.21501	-.00000	.01461	.00000	.97693	-.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R050) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 402/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-4.379	-.00353	435.62300	2.00023	276.76100	1015.30000	1.53207	110.00000	.00000	-4.00600	90.01000
1.500	-2.320	-.00247	435.36100	1.99943	276.56500	1014.70000	1.53209	109.90000	.00000	-1.99400	90.01000
1.500	-.246	-.00143	435.23000	1.99887	276.46700	1014.40000	1.53211	109.90000	.00000	.03200	90.00000
1.500	1.734	-.00325	434.82600	1.99693	276.07400	1013.50000	1.53225	109.90000	.00000	1.96700	90.01000
1.500	3.816	.00032	434.78600	1.99676	276.07500	1013.40000	1.53221	109.90000	.00000	4.00100	90.01000
	GRADIENT	.00034	-.10791	-.00046	-.09096	-.24425	.00002	-.00981	.00000	.97708	-.00001

RUN NO. 384/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-4.376	-.00330	438.72100	2.00071	260.95900	1030.00000	1.54931	110.80000	.00000	-4.00300	89.99000
1.549	-2.287	.00129	437.25300	1.99547	260.18200	1026.50000	1.54921	110.50000	.00000	-1.96100	90.00000
1.550	-.273	-.00526	438.77900	2.00147	261.05900	1030.10001	1.54925	110.70000	.00000	.00600	90.00000
1.550	1.760	.00032	438.08100	1.99919	260.56900	1028.50000	1.54932	110.50000	.00000	1.99200	90.00000
1.551	3.808	.00072	437.41400	1.99449	259.67900	1027.20000	1.54980	110.80000	.00000	3.99300	89.99000
	GRADIENT	.00035	-.08832	-.00043	-.10686	-.17855	.00005	-.00015	.00000	.97703	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R050) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 299/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-4.356	.00579	1.07092	.27562	.28604	.17292	.42711	-.01043	-.25419	-.00800	-.25371
.599	-2.235	.00441	1.07154	.28873	.29604	.23423	.36625	-.00731	-.13202	-.00464	-.13187
.599	-.275	.00301	1.07343	.29575	.29743	.29056	.31060	-.00169	-.02004	.00016	-.01935
.599	1.750	.00258	1.07199	.29464	.29252	.34987	.25333	.00212	.09654	.00309	.09556
.598	3.775	.00133	1.06503	.28568	.28144	.40998	.19514	.00424	.21484	.00531	.21451
	GRADIENT	-.00053	-.00056	.00130	-.00062	.02913	-.02849	.00191	.05762	.00170	.05749

RUN NO. 437/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.800	-4.375	.00037	1.16010	.34069	.35158	.23440	.48708	-.01089	-.25269	-.01462	-.25492
.798	-2.327	-.00017	1.16849	.35614	.36087	.29350	.43210	-.00473	-.13861	-.00879	-.14047
.799	-.305	-.00056	1.16734	.36311	.36210	.35111	.37442	.00100	-.02331	-.00306	-.02502
.799	1.746	-.00025	1.16540	.36274	.35908	.41031	.31540	.00367	.09491	-.00079	.09166
.799	3.780	.00019	1.16035	.35608	.34662	.46963	.25972	.00946	.20991	.00391	.20746
	GRADIENT	-.00002	-.00013	.00183	-.00057	.02881	-.02803	.00241	.05685	.00221	.05676

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R050) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 324/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.899	-4.417	.00572	1.18604	.40648	.42069	.30603	.55416	-.01421	-.24813	-.00959	-.24732
.901	-2.200	.00327	1.19102	.42165	.42809	.36860	.49509	-.00654	-.12648	-.00204	-.12611
.901	-.278	.00100	1.19070	.42593	.42961	.42162	.44169	-.00368	-.02007	.00045	-.01916
.900	1.783	-.00096	1.18808	.42399	.42601	.47795	.38425	-.00202	.09370	.00150	.09327
.899	3.763	-.00326	1.18298	.41717	.41480	.53476	.33060	.00237	.20417	.00583	.20371
	GRADIENT	-.00109	-.00043	.00120	-.00066	.02786	-.02742	.00186	.05529	.00170	.05512

RUN NO. 426/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.099	-4.389	-.00037	1.32658	.58918	.59729	.49456	.71623	-.00811	-.22167	-.01265	-.22373
1.101	-2.281	-.00122	1.33451	.60503	.60897	.55056	.66878	-.00394	-.11822	-.00745	-.12020
1.101	-.264	-.00073	1.33373	.61061	.60866	.59957	.61774	.00194	-.01816	-.00234	-.02006
1.099	1.748	.00014	1.33241	.60745	.60442	.64818	.56671	.00303	.08147	-.00143	.07882
1.098	3.797	.00104	1.32787	.60220	.59461	.70105	.51746	.00759	.18359	.00267	.18137
	GRADIENT	.00020	.00003	.00141	-.00047	.02503	-.02448	.00188	.04951	.00180	.04947

RUN NO. 357/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.250	-4.372	.00492	1.41892	.65999	.66072	.56389	.77798	-.00074	-.21409	-.00034	-.21535
1.251	-2.233	.00268	1.42398	.66957	.66817	.61619	.72642	.00140	-.11023	.00128	-.11181
1.250	-.271	.00013	1.42188	.67426	.66964	.66373	.67986	.00462	-.01613	.00444	-.01731
1.250	1.800	-.00104	1.42256	.67342	.66781	.71305	.63020	.00561	.08285	.00550	.08115
1.249	3.786	-.00375	1.41862	.66569	.65787	.76307	.58220	.00781	.18087	.00715	.17881
	GRADIENT	-.00103	-.00009	.00076	-.00028	.02434	-.02397	.00105	.04831	.00094	.04822

RUN NO. 412/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.400	-4.392	-.00534	1.49027	.67393	.68852	.58118	.80276	-.01459	-.22157	-.01829	-.22304
1.400	-2.301	-.00573	1.49471	.68531	.69415	.63197	.75027	-.00884	-.11830	-.01202	-.11975
1.400	-.268	-.00521	1.48927	.68848	.69304	.68269	.69780	-.00455	-.01512	-.00785	-.01681
1.400	1.761	-.00257	1.49210	.68703	.68827	.73314	.64769	-.00124	.08545	-.00431	.08293
1.401	3.824	-.00142	1.48907	.68015	.67899	.78491	.59683	.00115	.18808	-.00191	.18556
	GRADIENT	.00054	-.00024	.00070	-.00121	.02482	-.02510	.00191	.04992	.00198	.04976

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R050) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 365/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.450	-4.399	.00444	1.50320	.67188	.69209	.57937	.80305	-.02021	-.22368	-.02213	-.22511
1.450	-2.312	.00202	1.49836	.67883	.69660	.62857	.75096	-.01772	-.12239	-.01962	-.12409
1.450	-.274	-.00029	1.50417	.68233	.69586	.67795	.69986	-.01353	-.02191	-.01525	-.02350
1.450	1.795	-.00111	1.50730	.68112	.69247	.72806	.64647	-.01135	.08159	-.01339	.07919
1.450	3.818	-.00394	1.50471	.67505	.68392	.78178	.59519	-.00887	.18659	-.01065	.18424
	GRADIENT	-.00097	.00058	.00042	-.00099	.02455	-.02532	.00141	.04987	.00142	.04975

RUN NO. 402/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.500	-4.379	-.00353	1.52486	.67238	.69570	.57879	.80616	-.02332	-.22737	-.02659	-.22878
1.500	-2.320	-.00247	1.52851	.68226	.70133	.62670	.75274	-.01907	-.12603	-.02247	-.12755
1.500	-.246	-.00143	1.52453	.68704	.69829	.67887	.70030	-.01125	-.02143	-.01449	-.02314
1.500	1.734	-.00325	1.52276	.68713	.69339	.72670	.64916	-.00626	.07755	-.00980	.07495
1.500	3.816	.00032	1.52332	.68186	.68393	.77974	.59901	-.00208	.18073	-.00560	.17834
	GRADIENT	.00034	-.00043	.00117	-.00154	.02455	-.02533	.00271	.04988	.00267	.04973

RUN NO. 384/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.550	-4.376	-.00330	1.55688	.67049	.69079	.58340	.80752	-.02030	-.22412	-.02335	-.22623
1.549	-2.287	.00129	1.55743	.67948	.69409	.62437	.75235	-.01462	-.12798	-.01773	-.13010
1.550	-.273	-.00526	1.56235	.68500	.69412	.67184	.70015	-.00912	-.02830	-.01238	-.03012
1.550	1.760	.00032	1.55641	.68130	.69115	.72412	.64840	-.00986	.07572	-.01310	.07311
1.551	3.808	.00072	1.54971	.67531	.68449	.78128	.60060	-.00918	.18068	-.01234	.17745
	GRADIENT	.00035	-.00075	.00057	-.00076	.02427	-.02537	.00132	.04963	.00131	.04950

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R050) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 299/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-4.356	.00579	.27962	.29978	.28970	.00127	.05737
.599	-2.235	.00441	.29106	.30016	.29561	.00220	.05761
.599	-.275	.00301	.29567	.30024	.29795	.00210	.05683
.599	1.750	.00258	.29309	.30209	.29759	.00111	.05757
.598	3.775	.00133	.28303	.30272	.29287	.00109	.05934
	GRADIENT	-.00053	.00045	.00039	.00042	-.00007	.00019

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R050) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 437/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.800	-4.375	.00037	.34800	.36185	.35493	.00270	.05554
.798	-2.327	-.00017	.36054	.36373	.36214	.00313	.05656
.799	-.305	-.00056	.36464	.36363	.36413	.00183	.05715
.799	1.746	-.00025	.36314	.36449	.36381	.00142	.05684
.799	3.780	.00019	.35413	.36590	.36001	.00275	.05695
	GRADIENT	-.00002	.00073	.00043	.00058	-.00008	.00015

RUN NO. 324/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.899	-4.417	.00572	.41127	.42969	.42048	.00392	.05432
.901	-2.200	.00327	.42257	.43166	.42712	.00238	.05543
.901	-.278	.00100	.42571	.43120	.42845	.00046	.05508
.900	1.783	-.00096	.42324	.43132	.42728	.00126	.05495
.899	3.763	-.00326	.41425	.43291	.42358	.00264	.05617
	GRADIENT	-.00109	.00035	.00030	.00033	-.00018	.00016

RUN NO. 426/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.099	-4.389	-.00037	.59550	.60643	.60097	.00227	.04889
1.101	-2.281	-.00122	.60875	.61067	.60971	.00286	.04951
1.101	-.264	-.00073	.61178	.60960	.61069	.00131	.04935
1.099	1.748	.00014	.60817	.60877	.60847	.00086	.04947
1.098	3.797	.00104	.60086	.61036	.60561	.00257	.05033
	GRADIENT	.00020	.00051	.00030	.00040	-.00007	.00014

RUN NO. 357/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.250	-4.372	.00492	.66016	.67156	.66586	.00043	.04839
1.251	-2.233	.00268	.66893	.67209	.67051	.00140	.04841
1.250	-.271	.00013	.67204	.67239	.67221	.00114	.04764
1.250	1.800	-.00104	.67067	.67248	.67157	.00047	.04825
1.249	3.786	-.00375	.66211	.67366	.66789	.00101	.04964
	GRADIENT	-.00103	.00029	.00022	.00026	.00001	.00011

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R050) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 412/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.400	-4.392	-.00534	.68308	.69270	.68789	.00324	.04893
1.400	-2.301	-.00572	.69132	.69185	.69158	.00251	.05030
1.400	-.268	-.00521	.69241	.69109	.69175	.00185	.04997
1.400	1.761	-.00257	.68918	.69168	.69043	.00147	.04917
1.401	3.824	-.00142	.68110	.69213	.68661	.00102	.05003
	GRADIENT	.00054	-.00029	-.00006	-.00018	-.00027	.00005

RUN NO. 365/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.450	-4.399	.00444	.68294	.69193	.68744	.00086	.04812
1.450	-2.312	.00202	.68869	.69062	.68966	.00191	.04895
1.450	-.274	-.00029	.68996	.68970	.68983	.00158	.04932
1.450	1.795	-.00111	.68781	.68847	.68814	.00090	.05073
1.450	3.818	-.00394	.68037	.68566	.68502	.00158	.05254
	GRADIENT	-.00097	-.00029	-.00036	-.00031	.00002	.00052

RUN NO. 402/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.500	-4.379	-.00353	.68567	.69318	.68943	.00141	.04879
1.500	-2.320	-.00247	.69349	.69048	.69198	.00319	.04993
1.500	-.246	-.00143	.69429	.69044	.69236	.00336	.05006
1.500	1.734	-.00325	.69203	.68923	.69063	.00193	.04943
1.500	3.816	.00032	.68465	.69057	.68761	.00206	.04978
	GRADIENT	.00034	-.00017	-.00032	-.00024	.00000	.00007

RUN NO. 384/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.550	-4.376	-.00330	.68216	.69652	.68934	.00247	.04510
1.549	-2.287	.00129	.68834	.68942	.68888	.00313	.04784
1.550	-.273	-.00526	.69119	.68691	.68905	.00106	.05064
1.550	1.760	.00032	.68785	.68756	.68770	-.00045	.05089
1.551	3.808	.00072	.68148	.69255	.68702	.00078	.05098
	GRADIENT	.00035	-.00009	-.00048	-.00028	-.00034	.00073

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R051) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 302/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-6.007	-6.02002	496.56800	3.84423	1974.72000	2517.50000	1.09306	110.50000	.00000	8.58500	-134.79000
.600	-4.018	-6.03105	497.13500	3.84823	1973.31000	2516.79999	1.09324	110.20000	.00000	7.35500	-123.55000
.600	-1.961	-5.94317	498.30200	3.85175	1975.37000	2520.20001	1.09335	110.60000	.00000	6.39000	-108.19000
.600	-.004	-5.97945	497.61300	3.85004	1971.81000	2515.89999	1.09338	110.10000	.00000	6.11900	-90.05000
.601	2.004	-6.05822	498.28000	3.85154	1970.99001	2515.89999	1.09358	110.20000	.00000	6.51100	-71.78000
.600	3.993	-5.99822	497.10300	3.84704	1972.02000	2515.50000	1.09327	110.20000	.00000	7.31500	-56.47000
.600	6.043	-6.03638	497.86400	3.85375	1974.98000	2519.29999	1.09329	110.10000	.00000	8.62100	-45.12000
	GRADIENT	-.00241	-.00329	-.00013	-.34605	-.34189	.00001	-.01964	.00000	.00138	8.53222

RUN NO. 465/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-5.974	-5.96366	626.83000	3.88317	1399.16000	2132.79999	1.17040	110.20000	.00000	8.46800	-134.94000
.800	-4.017	-6.01203	626.95800	3.88827	1401.14000	2134.79999	1.17019	109.90000	.00000	7.29100	-123.66000
.800	-2.007	-6.00115	628.46200	3.89455	1402.30000	2137.89993	1.17046	110.00000	.00000	6.41400	-108.44000
.800	.004	-5.93328	627.94800	3.89065	1401.32001	2136.29999	1.17045	110.10000	.00000	6.03100	-89.96000
.800	2.029	-6.06452	628.13600	3.89374	1401.91000	2137.10001	1.17043	109.90000	.00000	6.47900	-71.56000
.800	4.001	-5.99361	628.24100	3.89347	1401.21001	2136.60001	1.17055	109.90000	.00000	7.26700	-56.35000
.800	6.030	-6.02878	627.42000	3.89000	1400.14000	2134.50000	1.17044	109.80000	.00000	8.55100	-45.09000
	GRADIENT	-.00135	.11167	.00048	-.01215	.13987	.00003	-.00498	.00000	.00044	8.54518

RUN NO. 472/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.969	-5.96446	698.40900	4.00179	1232.59000	2084.00000	1.21907	109.60000	.00000	8.41900	-134.94000
.900	-4.015	-5.98847	698.72900	4.00544	1232.28000	2084.20001	1.21924	109.30000	.00000	7.23000	-123.76000
.900	-2.005	-5.95357	699.89500	3.99844	1234.25000	2087.60001	1.21925	110.80000	.00000	6.33300	-108.55000
.900	-.043	-6.00272	698.43800	3.99137	1232.89000	2084.29999	1.21902	110.80000	.00000	6.06400	-90.38000
.900	1.983	-6.00166	698.31100	3.98397	1232.28999	2083.60001	1.21910	111.50000	.00000	6.37300	-71.72000
.900	4.021	-5.99994	697.87400	3.98118	1232.10001	2082.79999	1.21899	111.60000	.00000	7.24500	-56.20000
.900	6.027	-6.03010	698.24700	3.98227	1230.89999	2082.29999	1.21934	111.50000	.00000	8.50600	-45.06000
	GRADIENT	-.00352	-.16394	-.00314	-.11560	-.33855	-.00003	.26409	.00000	.00436	8.57114

RUN NO. 488/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-5.955	-5.96191	760.17500	3.88397	897.54100	1916.30000	1.33745	109.60000	.00000	8.33400	-134.91000
1.100	-4.016	-6.00728	760.42600	3.88390	898.23200	1917.20000	1.33731	109.80000	.00000	7.18300	-123.71000
1.099	-2.003	-6.04462	759.50900	3.87929	898.04800	1915.50000	1.33697	109.90000	.00000	6.36100	-108.28000
1.100	-.014	-5.95441	760.06000	3.87789	897.24400	1915.89999	1.33752	110.20000	.00000	5.96600	-90.10000
1.100	2.012	-6.00545	760.83800	3.87864	897.62900	1917.50000	1.33772	110.50000	.00000	6.33000	-71.45000
1.100	4.006	-5.99936	760.54400	3.87694	897.93200	1917.20000	1.33747	110.60000	.00000	7.17400	-56.25000
1.100	5.970	-5.95849	759.24500	3.87616	896.06600	1913.70000	1.33760	109.90000	.00000	8.34600	-44.94000
	GRADIENT	.00272	.07808	-.00073	-.05067	.09989	.00005	.10969	.00000	-.00242	8.56311

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R051) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 332/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.251	-5.951	-5.96640	811.82400	3.92228	741.05200	1922.10001	1.42384	109.60000	.00000	8.33400	-134.90000
1.251	-3.964	-5.96801	809.44200	3.91380	739.20200	1916.60001	1.42369	109.30000	.00000	7.12400	-123.58000
1.250	-1.997	-5.96497	807.34400	3.90180	738.13900	1912.00000	1.42332	109.60000	.00000	6.28700	-108.51000
1.250	-.009	-5.99786	809.15300	3.91306	739.60100	1916.20000	1.42340	109.30000	.00000	6.00700	-90.10000
1.250	1.995	-6.00019	807.54700	3.90620	738.13700	1912.39999	1.42340	109.20000	.00000	6.31800	-71.65000
1.249	4.009	-6.01608	807.50400	3.90511	739.02800	1912.70000	1.42299	109.40000	.00000	7.18700	-56.35000
1.249	6.036	-6.03167	807.58400	3.90642	739.12600	1912.89999	1.42298	109.30000	.00000	8.43700	-45.02000
	GRADIENT	-.00659	-.18401	-.00065	-.01736	-.37066	-.00007	-.01005	.00000	.00866	8.59215

RUN NO. 495/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.399	-6.014	-6.01649	764.38800	3.55723	558.10500	1773.00000	1.49310	110.60000	.00000	8.43400	-134.94000
1.398	-4.029	-6.03099	761.53100	3.54436	556.55300	1766.39999	1.49282	110.60000	.00000	7.22900	-123.71000
1.399	-1.970	-5.94494	762.66200	3.54844	556.93800	1769.00003	1.49305	110.70000	.00000	6.27800	-108.31000
1.398	-.023	-5.96485	760.36100	3.53914	555.97200	1763.70000	1.49267	110.60000	.00000	5.99400	-90.23000
1.398	1.992	-6.03977	761.27700	3.54466	556.16100	1765.80000	1.49292	110.40000	.00000	6.37300	-71.78000
1.399	4.010	-6.02866	763.10600	3.54835	556.63700	1770.00000	1.49337	110.90000	.00000	7.22000	-56.40000
1.398	6.025	-6.00772	762.87000	3.55134	557.42900	1769.50000	1.49288	110.50000	.00000	8.43900	-44.96000
	GRADIENT	-.00445	.09002	.00022	-.02964	.20408	.00005	.01515	.00000	.00371	8.53846

RUN NO. 374/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.451	-5.964	-5.97980	758.33800	3.50012	514.82800	1760.30000	1.51392	110.50000	.00000	8.38100	-134.86000
1.451	-4.003	-5.96544	757.75700	3.50452	514.04400	1759.00000	1.51412	109.60000	.00000	7.16800	-123.79000
1.451	-1.998	-5.94819	757.90200	3.49885	514.43800	1759.30000	1.51396	110.40000	.00000	6.29300	-108.56000
1.449	-.039	-6.02894	757.43900	3.49255	515.13300	1758.10001	1.51341	111.00000	.00000	6.05800	-90.36000
1.450	1.972	-5.99184	757.08200	3.49480	514.64300	1757.30000	1.51354	110.50000	.00000	6.32600	-71.79000
1.450	4.016	-6.03613	756.81700	3.49023	514.34900	1756.70000	1.51362	110.90000	.00000	7.23200	-56.37000
1.450	6.025	-6.02949	756.89000	3.49039	514.15100	1756.89999	1.51375	110.90000	.00000	8.45900	-45.05000
	GRADIENT	-.00923	-.13493	-.00163	.03999	-.32974	-.00007	.13460	.00000	.00898	8.57555

RUN NO. 507/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.499	-5.959	-5.98612	718.46500	3.29203	456.51000	1674.50000	1.53203	110.90000	.00000	8.40000	-134.79000
1.500	-3.998	-5.99407	718.42800	3.29555	456.21300	1674.50000	1.53220	110.40000	.00000	7.20400	-123.63000
1.499	-1.975	-6.00276	718.69900	3.29551	456.80400	1675.00000	1.53194	110.60000	.00000	6.35200	-108.16000
1.499	-.021	-5.96825	718.92100	3.29733	457.00000	1675.50000	1.53191	110.50000	.00000	6.01400	-90.19000
1.500	2.020	-6.05406	719.65800	3.30036	456.89300	1677.39999	1.53225	110.50000	.00000	6.41300	-71.56000
1.499	3.990	-5.98523	719.57400	3.30192	457.48800	1677.00000	1.53188	110.30000	.00000	7.19500	-56.33000
1.500	6.031	-6.02374	719.94700	3.30085	456.99000	1678.10001	1.53231	110.60000	.00000	8.47800	-45.01000
	GRADIENT	-.00173	.16300	.00088	.13204	.37111	-.00002	-.01492	.00000	.00208	8.57226

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R051) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 391/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.549	-5.967	-5.95376	689.01100	3.14517	410.04500	1617.50000	1.54918	110.40000	.00000	8.39800	-134.95000
1.550	-3.946	-5.98028	688.89600	3.14600	409.84800	1617.30000	1.54926	110.10000	.00000	7.17700	-123.34000
1.550	-1.957	-5.99033	689.93100	3.15072	410.33300	1619.80000	1.54934	110.20000	.00000	6.34500	-108.06000
1.549	-.012	-5.95296	689.89600	3.14845	410.53200	1619.60001	1.54920	110.50000	.00000	6.00900	-89.99000
1.550	2.019	-6.05828	689.62700	3.15145	409.93900	1619.20000	1.54948	109.90000	.00000	6.42700	-71.62000
1.550	3.999	-6.02344	690.41700	3.15131	410.32700	1621.10001	1.54953	110.40000	.00000	7.24100	-56.45000
1.550	6.048	-6.00714	690.09800	3.15138	410.23100	1620.30000	1.54946	110.20000	.00000	8.49100	-44.86000
	GRADIENT	-.00782	.13765	.00049	.02802	.35211	.00003	.01477	.00000	.01114	8.56898

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R051) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 302/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-6.007	-6.02002	1.01580	.08856	.44126	.09106	.44497	-.35269	-.35391	-.35184	-.35398
.600	-4.018	-6.03105	1.03877	.14571	.38559	.10648	.46437	-.23988	-.35789	-.23828	-.35839
.600	-1.961	-5.94317	1.05048	.20606	.32549	.11777	.47606	-.11943	-.35830	-.11793	-.35927
.600	-.004	-5.97945	1.05334	.26315	.26656	.11902	.48077	-.00341	-.36176	-.00207	-.36254
.601	2.004	-6.05822	1.04641	.31919	.20713	.11297	.47742	.11206	-.36444	.11292	-.36562
.600	3.993	-5.99822	1.03901	.37906	.14912	.10448	.46420	.22994	-.35972	.23043	-.36083
.600	6.043	-6.03638	1.01267	.43538	.08664	.08492	.44864	.34874	-.36372	.34924	-.36444
	GRADIENT	-.00241	-.00017	.02901	-.02958	-.00043	.00006	.05859	-.00049	.05845	-.00056

RUN NO. 465/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.800	-5.974	-5.96366	1.13355	.16050	.50811	.16218	.50654	-.34761	-.34436	-.34664	-.34459
.800	-4.017	-6.01203	1.15186	.21567	.45471	.17624	.52421	-.23903	-.34797	-.23796	-.34818
.800	-2.007	-6.00115	1.15870	.27261	.39615	.18394	.53604	-.12353	-.35209	-.12276	-.35252
.800	.004	-5.93328	1.16109	.33077	.33834	.18664	.53963	-.00757	-.35300	-.00667	-.35325
.800	2.029	-6.06452	1.15635	.38764	.27617	.17813	.54050	.11147	-.36237	.11177	-.36235
.800	4.001	-5.99361	1.14603	.44371	.21716	.17066	.52753	.22655	-.35686	.22665	-.35725
.800	6.030	-6.02878	1.12707	.49964	.15536	.15258	.51210	.34428	-.35952	.34433	-.36005
	GRADIENT	-.00135	-.00069	.02845	-.02965	-.00084	.00056	.05810	-.00140	.05798	-.00140

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R05;) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 472/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-5.969	-5.96446	1.18622	.23631	.56658	.23800	.56720	-.33027	-.32920	-.33074	-.33042
.900	-4.015	-5.98847	1.20125	.28827	.51453	.25018	.58178	-.22626	-.33160	-.22692	-.33270
.900	-2.005	-5.95357	1.20904	.34271	.45967	.25870	.59242	-.11695	-.33372	-.11756	-.33476
.900	-.043	-6.00272	1.21150	.39652	.40563	.25847	.59985	-.00910	-.34138	-.00957	-.34229
.900	1.983	-6.00166	1.20802	.45305	.34838	.25487	.59579	.10467	-.34092	.10347	-.34209
.900	4.021	-5.99994	1.19873	.50895	.28963	.24539	.58651	.21932	-.34112	.21854	-.34218
.900	6.027	-6.03010	1.18147	.56308	.23157	.22906	.57201	.33152	-.34294	.33023	-.34364
	GRADIENT	-.00352	-.00031	.02750	-.02797	-.00068	.00063	.05548	-.00130	.05544	-.00131

RUN NO. 488/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.100	-5.955	-5.96191	1.31028	.44078	.73361	.44025	.73640	-.29283	-.29615	-.29381	-.29699
1.100	-4.016	-6.00728	1.32317	.48683	.68546	.45056	.75004	-.19863	-.29948	-.20003	-.30028
1.099	-2.003	-6.04462	1.32959	.53455	.63699	.45593	.75979	-.10244	-.30380	-.10376	-.30493
1.100	-.014	-5.95441	1.33056	.58419	.58837	.45918	.76056	-.00417	-.30138	-.00541	-.30253
1.100	2.012	-6.00545	1.32535	.63298	.53669	.45324	.75801	.09629	-.30476	.09464	-.30578
1.100	4.006	-5.99936	1.31885	.6832.	.48817	.44667	.75136	.19504	-.30469	.19353	-.30566
1.100	5.970	-5.95849	1.30628	.73111	.43925	.43442	.73835	.29185	-.30392	.29045	-.30491
	GRADIENT	.00272	-.00064	.02449	-.02467	-.00053	.00004	.04916	-.00057	.04914	-.00058

RUN NO. 332/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.251	-5.951	-5.96640	1.35968	.50754	.79839	.50850	.80245	-.29085	-.29395	-.28806	-.29477
1.251	-3.964	-5.96801	1.37318	.55381	.75244	.51937	.81532	-.19864	-.29595	-.19583	-.29701
1.250	-1.997	-5.96497	1.37899	.59990	.70408	.52631	.82383	-.10418	-.29752	-.10134	-.29835
1.250	-.009	-5.99786	1.37915	.64674	.65555	.52698	.82699	-.00880	-.30001	-.00603	-.30110
1.250	1.995	-6.00019	1.37613	.69550	.60610	.52291	.82531	.08940	-.30240	.09166	-.30330
1.249	4.009	-6.01608	1.36663	.74317	.55836	.51461	.81804	.18481	-.30342	.18706	-.30446
1.249	6.036	-6.03167	1.35234	.79173	.50795	.50150	.80657	.28379	-.30507	.28629	-.30614
	GRADIENT	-.00659	-.00081	.02379	-.02438	-.00065	.00034	.04817	-.00099	.04808	-.00100

RUN NO. 495/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.399	-6.014	-6.01649	1.47740	.52408	.81600	.51826	.82551	-.29192	-.30725	-.29320	-.30796
1.398	-4.029	-6.03099	1.49012	.57227	.76887	.52872	.83690	-.19660	-.30818	-.19817	-.30894
1.399	-1.970	-5.94494	1.49106	.62360	.71819	.53736	.84487	-.09458	-.30751	-.09601	-.30830
1.398	-.023	-5.96485	1.48973	.67216	.67072	.53977	.84726	.00144	-.30748	-.00050	-.30838
1.398	1.992	-6.03977	1.48795	.72227	.62005	.53652	.84386	.10222	-.30735	.10016	-.30813
1.399	4.010	-6.02866	1.48417	.77135	.57181	.53027	.83389	.19954	-.30362	.19760	-.30457
1.398	6.025	-6.00772	1.47259	.82191	.52509	.51974	.82080	.29683	-.30107	.29477	-.30184
	GRADIENT	-.00445	-.00075	.02479	-.02456	.00011	-.00035	.04936	.00046	.04929	.00044

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (14R051) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 374/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.451	-5.964	-5.97980	1.48553	.52625	.81353	.52053	.8252.	-.28729	-.30469	-.28914	-.30587
1.451	-4.003	-5.96544	1.49224	.57105	.76370	.52762	.8339[illegible]	-.19265	-.30636	-.19455	-.30750
1.451	-1.998	-5.94819	1.49730	.62097	.71553	.53388	.83946	-.09455	-.30558	-.09634	-.30665
1.449	-.039	-6.02894	1.49871	.67053	.66861	.53517	.84322	.00192	-.30805	-.00016	-.30908
1.450	1.972	-5.99184	1.49746	.72197	.62021	.53529	.83712	.10176	-.30183	.09964	-.30280
1.450	4.016	-6.03613	1.49287	.77224	.57300	.52911	.82984	.19924	-.30074	.19717	-.30182
1.450	6.025	-6.02949	1.48153	.82010	.52841	.51801	.81884	.29170	-.30083	.28984	-.30203
	GRADIENT	-.00923	.00007	.02516	-.02382	.00021	-.00054	.04898	.00075	.04895	.00076

RUN NO. 507/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.499	-5.959	-5.98612	1.51803	.52681	.82037	.52002	.83349	-.29356	-.31347	-.29563	-.31424
1.500	-3.998	-5.99407	1.51989	.57480	.77259	.53192	.84062	-.19779	-.30870	-.20023	-.30978
1.499	-1.975	-6.00276	1.52265	.62403	.72288	.54013	.84475	-.09885	-.30462	-.10100	-.30545
1.499	-.021	-5.96825	1.52142	.67145	.67540	.54199	.84234	-.00395	-.30035	-.00632	-.30115
1.500	2.020	-6.05406	1.51936	.72270	.62726	.53942	.84136	.09545	-.30194	.09288	-.30269
1.499	3.990	-5.98523	1.51469	.77408	.57848	.53199	.83312	.19559	-.30113	.19272	-.30215
1.500	6.031	-6.02374	1.51008	.82866	.52747	.51532	.82385	.30119	-.30852	.29857	-.30983
	GRADIENT	-.00173	-.00068	.02490	-.02423	-.00003	-.00092	.04912	.00089	.04906	.00090

RUN NO. 391/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.549	-5.967	-5.95376	1.55245	.52729	.81989	.52524	.82991	-.29260	-.30468	-.29482	-.30597
1.550	-3.946	-5.98028	1.55351	.57423	.76889	.53864	.84060	-.19465	-.30196	-.19719	-.30329
1.550	-1.957	-5.99033	1.55254	.62393	.72024	.54523	.84858	-.09631	-.30335	-.09892	-.30483
1.549	-.012	-5.95296	1.54861	.67354	.67486	.54855	.84836	-.00132	-.29981	-.00350	-.30119
1.550	2.019	-6.05828	1.55188	.72377	.62650	.54085	.84394	.09727	-.30309	.09439	-.30443
1.550	3.999	-6.02344	1.55225	.77394	.57684	.52571	.83338	.19710	-.30768	.19458	-.30900
1.550	6.048	-6.00714	1.54948	.82675	.52962	.50126	.82020	.29713	-.31894	.29436	-.32024
	GRADIENT	-.00782	-.00016	.02513	-.02406	-.00153	-.00096	.04919	-.00057	.04918	-.00058

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R051) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 302/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-6.007	-6.02002	.26448	.26805	.26626	.05682	-.00276
.600	-4.018	-6.03105	.26485	.28568	.27526	.05764	-.00114
.600	-1.961	-5.94317	.26502	.29740	.28121	.05938	-.00068
.600	-.004	-5.97945	.26418	.30029	.28224	.05801	-.00249
.601	2.004	-6.05822	.26273	.29578	.27926	.05802	.00103
.600	3.993	-5.99822	.26385	.28489	.27437	.05891	.00105
.600	6.043	-6.03638	.26076	.26714	.26395	.05749	-.00317
	GRADIENT	-.00241	-.00021	-.00015	-.00018	.00006	.00030

RUN NO. 465/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.800	-5.974	-5.96366	.33382	.33447	.33414	.05508	-.00150
.800	-4.017	-6.01203	.33465	.35033	.34249	.05645	-.00250
.800	-2.007	-6.00115	.33399	.36020	.34710	.05763	-.00046
.800	.004	-5.93328	.33411	.36326	.34869	.05814	-.00325
.800	2.029	-6.06452	.33176	.35930	.34553	.05851	-.00106
.800	4.001	-5.99361	.33038	.34929	.33984	.05806	.00196
.800	6.030	-6.02878	.32748	.33261	.33004	.05797	-.00306
	GRADIENT	-.00135	-.00054	-.00014	-.00034	.00020	.00041

RUN NO. 472/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-5.969	-5.96446	.40168	.40321	.40244	.05279	-.00148
.900	-4.015	-5.98847	.40173	.41653	.40913	.05373	-.00054
.900	-2.005	-5.95357	.40149	.42608	.41379	.05484	-.00296
.900	-.043	-6.00272	.40130	.42962	.41546	.05534	-.00229
.900	1.983	-6.00166	.40131	.42592	.41362	.05631	.00076
.900	4.021	-5.99994	.39968	.41647	.40808	.05616	-.00056
.900	6.027	-6.03010	.39797	.40088	.39942	.05542	-.00081
	GRADIENT	-.00352	-.00021	-.00002	-.00012	.00032	.00018

RUN NO. 488/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.100	-5.955	-5.96191	.58768	.58875	.58822	.04862	-.00122
1.100	-4.016	-6.00728	.58685	.60070	.59377	.04783	-.00264
1.099	-2.003	-6.04462	.58642	.60845	.59744	.04861	-.00018
1.100	-.014	-5.95441	.58690	.61045	.59867	.04962	.00009
1.100	2.012	-6.00545	.58566	.60613	.59590	.04945	-.00132
1.100	4.006	-5.99936	.58644	.59950	.59297	.04954	.00059
1.100	5.970	-5.95849	.58588	.58688	.58638	.04925	.00027
	GRADIENT	.00272	-.00008	-.00023	-.00016	.00021	.00026

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R05I) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 332/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.251	-5.951	-5.96640	.65157	.65588	.65373	.04596	-.00130
1.251	-3.964	-5.96801	.65172	.66787	.65980	.04735	-.00078
1.250	-1.997	-5.96497	.65057	.67548	.66303	.04801	-.00100
1.250	-.009	-5.99786	.64976	.67753	.66364	.04852	-.00143
1.250	1.995	-6.00019	.64967	.67456	.66211	.04799	-.00074
1.249	4.009	-6.01608	.64964	.66684	.65824	.04787	-.00064
1.249	6.036	-6.03167	.64859	.65457	.65158	.04953	-.00093
	GRADIENT	-.00659	-.00025	-.00016	-.00020	.00005	.00003

RUN NO. 495/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.399	-6.014	-6.01649	.67067	.67224	.67146	.04734	-.00072
1.398	-4.029	-6.03099	.67135	.68319	.67727	.04891	-.00003
1.399	-1.970	-5.94494	.67161	.69151	.68156	.04937	.00027
1.398	-.023	-5.96485	.67241	.69397	.68319	.04960	-.00026
1.398	1.992	-6.03977	.67219	.69058	.68139	.04927	.00103
1.399	4.010	-6.02866	.67255	.68255	.67755	.04797	.00180
1.398	6.025	-6.00772	.67453	.67065	.67259	.04838	.00114
	GRADIENT	-.00445	.00015	-.00011	.00002	-.00010	.00022

RUN NO. 374/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.451	-5.964	-5.97980	.67082	.67346	.67214	.04803	-.00138
1.451	-4.003	-5.96544	.66833	.68135	.67485	.04864	.00026
1.451	-1.998	-5.94819	.66914	.68720	.67817	.04901	-.00094
1.449	-.039	-6.02894	.67061	.68971	.68016	.04956	.00097
1.450	1.972	-5.99184	.67215	.68669	.67942	.04895	.00256
1.450	4.016	-6.03613	.67366	.68002	.67684	.04667	-.00036
1.450	6.025	-6.02949	.67518	.66903	.67211	.04585	.00002
	GRADIENT	-.00923	.00068	-.00017	.00026	-.00020	.00011

RUN NO. 507/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.499	-5.959	-5.98612	.67462	.67714	.67588	.04851	.00238
1.500	-3.998	-5.99407	.67492	.68681	.68086	.04894	.00206
1.499	-1.975	-6.00276	.67453	.69286	.68369	.04884	.00263
1.499	-.021	-5.96825	.67461	.69256	.68359	.04820	.00050
1.500	2.020	-6.05406	.67626	.69077	.68351	.04955	-.00014
1.499	3.990	-5.98523	.67772	.68306	.68039	.05150	-.00130
1.500	6.031	-6.02374	.67937	.67024	.67481	.05205	-.00499
	GRADIENT	-.00173	.00037	-.00048	-.00006	.00029	-.00047

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R051) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 391/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.549	-5.967	-5.95376	.67470	.67822	.67646	.04801	.00215
1.550	-3.946	-5.98028	.67283	.69028	.68156	.04889	-.00033
1.550	-1.957	-5.99033	.67339	.69764	.68552	.04960	.00078
1.549	-.012	-5.95296	.67529	.69914	.68722	.04818	.00059
1.550	2.019	-6.05828	.67658	.69306	.68482	.04954	-.00215
1.550	3.999	-6.02344	.67665	.68020	.67843	.05011	-.00369
1.550	6.048	-6.00714	.67957	.66138	.67047	.04797	-.00638
	GRADIENT	-.00782	.00054	-.00125	-.00035	.00012	-.00049

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R052) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.000 BETA = -6.000
PHI = .000

RUN NO. 325/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.973	-5.98228	699.08800	4.00168	1231.67999	2084.20001	1.21947	109.80000	.00000	8.43600	-134.87000
.900	-3.974	-5.97087	697.20300	3.99265	1230.92000	2080.79999	1.21897	109.90000	.00000	7.19700	-123.57000
.900	-1.992	-5.94293	698.28900	3.99792	1232.78999	2084.00000	1.21899	110.00000	.00000	6.32200	-108.48000
.900	-.025	-6.02028	700.22100	4.01018	1234.74001	2088.50000	1.21927	109.70000	.00000	6.08300	-90.22000
.900	1.993	-6.01058	699.13800	4.00286	1234.37000	2086.60001	1.21897	110.00000	.00000	6.38500	-71.68000
.900	4.013	-6.02186	698.82700	4.00069	1232.58000	2084.60001	1.21921	109.90000	.00000	7.25900	-56.36000
.899	6.049	-6.02303	697.12800	3.99471	1232.32001	2081.89999	1.21869	109.80000	.00000	8.51700	-44.94000
	GRADIENT	-.00848	.20363	.00104	.24310	.50658	.00002	.00013	.00000	.01028	8.57820

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R052) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.000 BETA = -6.000
PHI = .000

RUN NO. 325/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-5.973	-5.98228	1.15078	.23640	.56774	.23807	.57171	-.33133	-.33363	-.32829	-.33393
.900	-3.974	-5.97087	1.16998	.29101	.51609	.25290	.58691	-.22508	-.33400	-.22199	-.33437
.900	-1.992	-5.94293	1.17692	.34403	.46196	.26048	.59647	-.11793	-.33599	-.11485	-.33649
.900	-.025	-6.02028	1.17665	.39652	.40649	.25882	.60139	-.00997	-.34257	-.00658	-.34287
.900	1.993	-6.01058	1.17342	.45195	.34927	.25479	.59864	.10268	-.34385	.10497	-.34426
.900	4.013	-6.02186	1.16362	.50621	.29214	.24576	.58912	.21407	-.34336	.21641	-.34349
.899	6.049	-6.02303	1.14469	.56179	.23371	.22876	.57313	.32808	-.34437	.33035	-.34472
	GRADIENT	-.00848	-.00082	.02697	-.02809	-.00101	.00032	.05506	-.00133	.05495	-.00130

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R052) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.000 BETA = -6.000
PHI = .000

RUN NO. 325/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-5.973	-5.98228	.40055	.40504	.40279	.05299	-.00019
.900	-3.974	-5.97087	.40201	.42009	.41105	.05352	-.00028
.900	-1.992	-5.94293	.40146	.42872	.41509	.05462	-.00256
.900	-.025	-6.02028	.39981	.43026	.41503	.05531	-.00242
.900	1.993	-6.01058	.39947	.42692	.41319	.05513	.00038
.900	4.013	-6.02186	.39801	.41750	.40775	.05551	-.00004
.899	6.049	-6.02303	.39662	.40112	.39887	.05619	-.00089
	GRADIENT	-.00848	-.00050	-.00036	-.00043	.00022	.00017

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R053) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 303/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-5.972	-4.00288	497.89500	3.85212	1972.78999	2517.20001	1.09340	110.10000	.00000	7.30000	-146.07000
.600	-3.972	-3.97511	496.49200	3.84654	1971.64000	2514.39999	1.09317	109.90000	.00000	5.76200	-134.88000
.600	-1.995	-3.95295	497.79900	3.84965	1972.39999	2516.70001	1.09341	110.30000	.00000	4.59800	-116.68000
.601	-.040	-3.94191	499.43000	3.85871	1972.36000	2518.60001	1.09373	110.10000	.00000	4.12600	-90.59000
.601	1.974	-4.02789	498.07600	3.85584	1973.19000	2517.79999	1.09341	109.80000	.00000	4.65500	-63.99000
.600	4.025	-4.05846	496.37900	3.84514	1970.53999	2513.20001	1.09324	109.90000	.00000	5.85600	-45.34000
.600	6.046	-4.02072	497.54700	3.84953	1972.60001	2516.60001	1.09334	110.20000	.00000	7.36900	-33.72000
	GRADIENT	-.01218	-.00111	.00015	-.07302	-.07181	.00001	-.02516	.00000	.01442	11.60816

RUN NO. 466/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-5.966	-3.98688	627.00100	3.88882	1400.64999	2134.39999	1.17025	109.80000	.00000	7.24200	-146.18000
.799	-4.010	-4.05425	626.63300	3.88776	1401.95000	2135.10001	1.16997	109.90000	.00000	5.80700	-134.61000
.800	-1.978	-4.05165	627.37800	3.88800	1401.83000	2136.00000	1.17022	110.20000	.00000	4.64700	-115.94000
.800	.001	-3.97106	627.93500	3.89128	1401.12000	2136.10001	1.17047	110.00000	.00000	4.12700	-89.98000
.800	2.011	-3.95074	627.37200	3.88963	1401.73000	2135.89999	1.17023	110.00000	.00000	4.57400	-63.09000
.800	3.958	-3.95338	627.60200	3.89034	1400.63000	2135.20001	1.17044	109.90000	.00000	5.70100	-45.03000
.800	5.963	-3.93352	627.09500	3.88862	1400.94000	2134.79999	1.17025	109.90000	.00000	7.20900	-33.47000
	GRADIENT	.01520	.09729	.00034	-.13700	.00594	.00005	-.00983	.00000	-.01566	11.64404

RUN NO. 473/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.001	-4.00781	698.61600	3.99699	1233.28000	2084.89999	1.21901	110.30000	.00000	7.24300	-146.21000
.900	-3.994	-4.03679	698.89400	3.99445	1233.28000	2085.29999	1.21910	110.70000	.00000	5.75300	-134.63000
.900	-1.983	-4.07563	698.00400	3.99328	1232.00000	2082.89999	1.21903	110.30000	.00000	4.64400	-115.87000
.901	-.002	-3.98080	698.99200	3.99320	1230.98000	2083.39999	1.21957	110.60000	.00000	4.11300	-89.98000
.900	2.001	-3.93644	699.94700	3.99141	1233.35001	2086.89999	1.21944	111.50000	.00000	4.53400	-63.05000
.900	3.964	-3.96065	700.48900	3.99124	1234.64000	2088.79999	1.21936	111.90000	.00000	5.68300	-44.98000
.900	6.003	-4.01423	699.93500	3.98928	1233.95000	2087.39999	1.21933	111.80000	.00000	7.25100	-33.77000
	GRADIENT	.01465	.25756	-.00042	.20372	.55151	.00005	.18068	.00000	-.01328	11.66502

RUN NO. 489/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.099	-5.999	-4.01507	761.10200	3.88442	899.61100	1919.30000	1.33710	110.20000	.00000	7.18500	-146.18000
1.100	-4.016	-4.05653	760.04200	3.87474	896.84700	1915.60001	1.33765	110.50000	.00000	5.73500	-134.68000
1.100	-1.973	-4.07128	760.13800	3.87621	897.04400	1915.89999	1.33763	110.40000	.00000	4.59800	-115.80000
1.100	-.002	-3.96794	759.65100	3.87512	896.95300	1915.00000	1.33745	110.30000	.00000	4.06600	-89.97000
1.100	2.013	-4.01181	759.63100	3.87526	897.15200	1915.10001	1.33736	110.30000	.00000	4.56600	-63.32000
1.099	3.990	-3.99204	760.15200	3.87764	898.33500	1916.80000	1.33715	110.40000	.00000	5.67600	-44.96000
1.100	5.967	-3.92700	759.82700	3.87668	896.95000	1915.30000	1.33753	110.20000	.00000	7.11800	-33.30000
	GRADIENT	.00940	-.01439	.00024	.15396	.07976	-.00006	-.01507	.00000	-.00832	11.59612

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R053) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 333/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.021	-4.02089	808.17200	3.90633	738.52500	1913.80000	1.42349	109.50000	.00000	7.20600	-146.28000
1.250	-3.981	-4.00243	808.12900	3.90704	739.41600	1914.10001	1.42307	109.50000	.00000	5.67300	-134.86000
1.250	-2.002	-3.95347	807.03900	3.90150	738.14300	1911.39999	1.42320	109.50000	.00000	4.50900	-116.85000
1.250	.005	-3.99170	809.01500	3.91020	739.99900	1916.10001	1.42318	109.60000	.00000	4.08900	-89.95000
1.250	1.982	-4.06518	807.51100	3.90284	738.53300	1912.50000	1.42321	109.60000	.00000	4.59800	-64.05000
1.249	4.008	-4.02061	807.64200	3.90594	739.32300	1913.10001	1.42292	109.40000	.00000	5.70500	-45.11000
1.249	6.026	-4.02219	808.73900	3.90922	740.10100	1915.60001	1.42302	109.60000	.00000	7.21100	-33.73000
	GRADIENT	-.00741	-.02479	-.00004	.01083	-.04412	-.00001	-.00508	.00000	.00827	11.63604

RUN NO. 496/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.397	-6.002	-4.01677	761.94900	3.55008	557.43800	1767.39999	1.49252	110.20000	.00000	7.20800	-146.21000
1.399	-3.991	-4.02664	761.55300	3.54695	555.56600	1766.39999	1.49335	110.20000	.00000	5.71200	-134.74000
1.398	-1.987	-4.07769	761.66300	3.54820	556.55200	1766.70000	1.49288	110.20000	.00000	4.62300	-115.96000
1.399	.004	-3.98932	761.62600	3.55028	556.25600	1766.60001	1.49301	109.90000	.00000	4.09900	-89.96000
1.398	1.996	-3.91949	762.31400	3.54777	556.84200	1768.20000	1.49296	110.60000	.00000	4.49200	-63.03000
1.398	4.014	-3.98864	761.91200	3.54886	557.14200	1767.30000	1.49265	110.30000	.00000	5.70500	-44.82000
1.398	6.028	-4.04612	762.61200	3.55013	557.23400	1768.89999	1.49288	110.50000	.00000	7.24700	-33.87000
	GRADIENT	.01168	.06836	.00017	.17221	.16479	-.00007	.02995	.00000	-.00693	11.64066

RUN NO. 380/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.451	-6.039	-4.04122	757.93900	3.49812	514.33800	1759.39999	1.51403	110.50000	.00000	7.25400	-146.15000
1.450	-3.995	-4.00883	758.24400	3.49934	515.42200	1760.00000	1.51356	110.60000	.00000	5.70600	-134.85000
1.450	-2.016	-3.96331	758.34400	3.50348	514.92700	1760.30000	1.51387	110.10000	.00000	4.54000	-116.88000
1.451	-.049	-3.93737	757.51800	3.49958	514.24400	1758.39999	1.51393	110.10000	.00000	4.05300	-90.66000
1.450	1.995	-4.06382	756.52600	3.49719	514.35200	1756.00000	1.51351	109.90000	.00000	4.61900	-63.86000
1.450	4.011	-4.02975	757.84500	3.49815	514.93200	1759.10001	1.51367	110.50000	.00000	5.73300	-45.10000
1.450	6.037	-4.00746	758.40000	3.50311	515.22300	1760.39999	1.51372	110.20000	.00000	7.23800	-33.57000
	GRADIENT	-.00720	-.13027	-.00043	-.07679	-.30386	-.00001	-.01956	.00000	.00824	11.61364

RUN NO. 508/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.013	-4.01928	718.23100	3.29318	456.21500	1674.00000	1.53212	110.60000	.00000	7.23700	-146.20000
1.500	-4.029	-4.04633	718.88700	3.29759	456.40600	1675.60001	1.53225	110.40000	.00000	5.76700	-134.83000
1.499	-1.964	-4.05379	719.53500	3.29789	457.48800	1676.89999	1.53185	110.80000	.00000	4.60500	-115.80000
1.500	-.003	-3.97866	719.71000	3.30063	456.99200	1677.50000	1.53221	110.50000	.00000	4.10000	-90.02000
1.502	2.004	-3.95420	718.46300	3.29182	454.92700	1675.00000	1.53296	110.80000	.00000	4.53800	-63.12000
1.500	3.951	-3.94135	718.83300	3.29517	456.60500	1675.39999	1.53212	110.70000	.00000	5.64500	-44.92000
1.501	5.955	-3.96082	719.80600	3.29764	456.49600	1677.89999	1.53254	110.90000	.00000	7.16200	-33.63000
	GRADIENT	.01551	-.05868	-.00055	-.10833	-.11413	.00004	.03049	.00000	-.01742	11.66486

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R053) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 397/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.549	-6.027	-3.98307	689.38700	3.14835	410.24000	1618.39999	1.54920	110.20000	.00000	7.24000	-146.52000
1.551	-3.976	-3.94982	689.56700	3.14862	409.64200	1619.20000	1.54964	110.20000	.00000	5.67400	-135.12000
1.549	-1.998	-3.94703	690.38900	3.15085	411.12200	1620.60001	1.54901	110.50000	.00000	4.53500	-116.80000
1.550	-.048	-3.97905	690.49500	3.15545	410.52500	1621.20000	1.54943	109.90000	.00000	4.10900	-90.70000
1.549	1.964	-4.04124	689.33200	3.14743	410.34000	1618.20000	1.54912	110.30000	.00000	4.60400	-64.10000
1.550	4.005	-4.02131	689.50000	3.15180	410.23800	1618.70000	1.54924	109.80000	.00000	5.74400	-45.10000
1.550	6.007	-4.00808	689.47700	3.14933	409.94100	1618.80000	1.54942	110.10000	.00000	7.24000	-33.77000
	GRADIENT	-.01189	-.06050	.00012	.02008	-.17231	-.00003	-.05022	.00000	.01235	11.68010

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R053) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 303/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.600	-5.972	-4.00288	1.03777	.10798	.45833	.15168	.38614	-.35035	-.23447	-.34959	-.23441
.600	-3.972	-3.97511	1.05901	.16493	.40287	.16815	.40684	-.23793	-.23868	-.23626	-.23878
.600	-1.995	-3.95295	1.06482	.22194	.34242	.17680	.41966	-.12048	-.24286	-.11877	-.24315
.601	-.040	-3.94191	1.06475	.28069	.28407	.17877	.42294	-.00338	-.24416	-.00170	-.24467
.601	1.974	-4.02789	1.06184	.33910	.22276	.17121	.42183	.11635	-.25061	.11685	-.25158
.600	4.025	-4.05846	1.05589	.40086	.16194	.16083	.40847	.23892	-.24764	.23924	-.24900
.600	6.046	-4.02072	1.03403	.45748	.10332	.14526	.39015	.35417	-.24489	.35474	-.24573
	GRADIENT	-.01218	-.00047	.02951	-.03013	-.00103	.00025	.05964	-.00128	.05945	-.00144

RUN NO. 466/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.800	-5.966	-3.98688	1.15163	.17736	.52197	.22137	.45032	-.34460	-.22895	-.34380	-.22918
.799	-4.010	-4.05425	1.16466	.23228	.46653	.23316	.47124	-.23425	-.23808	-.23371	-.23843
.800	-1.978	-4.05165	1.16918	.28979	.40801	.24149	.48252	-.11823	-.24103	-.11767	-.24165
.800	.001	-3.97106	1.16860	.34729	.35058	.24419	.48435	-.00329	-.24017	-.00255	-.24093
.800	2.011	-3.95074	1.16684	.40645	.29166	.23925	.48231	.11480	-.24306	.11499	-.24338
.800	3.958	-3.95338	1.15848	.46264	.23348	.22921	.47177	.22916	-.24256	.22915	-.24318
.800	5.963	-3.93352	1.14588	.51916	.17543	.21460	.45591	.34372	-.24130	.34372	-.24187
	GRADIENT	.01520	-.00073	.02898	-.02923	-.00050	.00005	.05821	-.00055	.05813	-.00056

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R053) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 473/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-6.001	-4.00781	1.20224	.25092	.58098	.29302	.51442	-.33006	-.22140	-.33071	-.22201
.900	-3.994	-4.03679	1.21284	.30430	.52683	.30506	.53035	-.22253	-.22529	-.22302	-.22612
.900	-1.983	-4.07563	1.21726	.35803	.47060	.31042	.54310	-.11257	-.23268	-.11312	-.23357
.901	-.002	-3.98080	1.21668	.41338	.41592	.31437	.54440	-.00254	-.23003	-.00295	-.23096
.900	2.001	-3.93644	1.21421	.47016	.35937	.31034	.54029	.11079	-.22996	.10959	-.23105
.900	3.964	-3.96065	1.20698	.52399	.30437	.29995	.53153	.21961	-.23158	.21850	-.23261
	6.003	-4.01423	1.19449	.57812	.24797	.28460	.51946	.33015	-.23487	.32956	-.23597
	GRADIENT	.01465	-.00074	.02771	-.02795	-.00051	-.00002	.05566	-.00050	.05557	-.00053

RUN NO. 489/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.099	-5.999	-4.01507	1.32154	.45123	.74697	.48805	.68644	-.29574	-.19839	-.29672	-.19944
1.100	-4.016	-4.05653	1.33108	.49820	.69774	.49847	.70075	-.19955	-.20227	-.20076	-.20334
1.100	-1.973	-4.07128	1.33309	.54604	.64555	.50283	.70939	-.09951	-.20656	-.10078	-.20775
1.100	-.002	-3.96794	1.33514	.59667	.59812	.50733	.71235	-.00144	-.20503	-.00250	-.20619
1.100	2.013	-4.01181	1.33349	.64735	.54803	.50220	.71082	.09932	-.20861	.09762	-.20979
1.099	3.990	-3.99204	1.32824	.69682	.49923	.49537	.70305	.19759	-.20768	.19626	-.20895
1.100	5.967	-3.92700	1.31716	.74518	.45149	.48428	.68921	.29369	-.20493	.29214	-.20590
	GRADIENT	.00940	-.00026	.02493	-.02473	-.00034	.00031	.04966	-.00065	.04963	-.00067

RUN NO. 333/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.250	-6.021	-4.02089	1.36847	.51708	.81238	.55483	.75314	-.29530	-.19831	-.29228	-.19885
1.250	-3.981	-4.00243	1.38110	.56511	.76311	.56714	.76581	-.19800	-.19867	-.19528	-.19946
1.250	-2.002	-3.95347	1.38773	.61205	.71494	.57508	.77335	-.10289	-.19827	-.10023	-.19916
1.250	.005	-3.99170	1.38850	.66149	.66578	.57542	.77794	-.00430	-.20252	-.00139	-.20326
1.250	1.982	-4.06518	1.38533	.70848	.61683	.56980	.77822	.09164	-.20841	.09405	-.20926
1.249	4.008	-4.02061	1.37713	.75735	.56740	.56218	.76976	.18995	-.20758	.19258	-.20837
1.249	6.026	-4.02219	1.36164	.80686	.51974	.54907	.75726	.28712	-.20819	.28947	-.20891
	GRADIENT	-.00741	-.00052	.02409	-.02452	-.00077	.00063	.04861	-.00140	.04859	-.00140

RUN NO. 496/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.397	-6.002	-4.01677	1.48739	.53737	.82895	.56681	.77666	-.29158	-.20985	-.29307	-.21051
1.399	-3.991	-4.02664	1.48982	.58414	.77886	.57636	.78849	-.19472	-.21213	-.19617	-.21303
1.398	-1.987	-4.07769	1.49204	.63302	.72770	.58214	.79819	-.09468	-.21605	-.09624	-.21688
1.399	.004	-3.98932	1.49379	.68564	.67917	.58752	.79870	.00646	-.21118	.00440	-.21222
1.398	1.996	-3.91949	1.49174	.73599	.63055	.58772	.79203	.10544	-.20431	.10326	-.20553
1.398	4.014	-3.98864	1.48625	.78566	.58021	.57946	.78362	.20545	-.20416	.20347	-.20528
1.398	6.028	-4.04612	1.48128	.83262	.53300	.56703	.77194	.29461	-.20490	.29262	-.20581
	GRADIENT	.01168	-.00037	.02531	-.02473	.00059	-.00080	.05004	.00138	.04996	.00134

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R053) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 380/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.451	-6.039	-4.04122	1.49407	.53263	.82545	.56261	.77577	-.29282	-.21315	-.29478	-.21425
1.450	-3.995	-4.00883	1.50442	.58172	.77474	.57307	.78590	-.19301	-.21283	-.19508	-.21401
1.450	-2.016	-3.96331	1.50422	.63235	.72279	.58005	.79034	-.09043	-.21029	-.09271	-.21147
1.451	-.049	-3.93737	1.50559	.68194	.67524	.58270	.78902	.00670	-.20632	.00400	-.20746
1.450	1.995	-4.06382	1.50463	.73411	.62618	.57937	.78825	.10794	-.20887	.10535	-.21013
1.450	4.011	-4.02975	1.50131	.78319	.57860	.57599	.77779	.20459	-.20180	.20204	-.20316
1.450	6.037	-4.00746	1.49027	.83205	.54189	.56684	.76597	.29016	-.19913	.28789	-.20060
	GRADIENT	-.00720	-.00029	.02521	-.02441	.00025	-.00092	.04962	.00117	.04956	.00115

RUN NO. 508/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.500	-6.013	-4.01928	1.51928	.53708	.83025	.56713	.78032	-.29316	-.21319	-.29566	-.21393
1.500	-4.029	-4.04633	1.52404	.58307	.77856	.57698	.79012	-.19549	-.21314	-.19777	-.21380
1.499	-1.964	-4.05379	1.52704	.63297	.72800	.58443	.79373	-.09503	-.20930	-.09757	-.21048
1.500	-.003	-3.97866	1.52717	.68307	.68313	.58806	.79025	-.00006	-.20218	-.00252	-.20307
1.502	2.004	-3.95420	1.52338	.73622	.63483	.58740	.78740	.10139	-.20000	.09830	-.20109
1.500	3.951	-3.94135	1.52263	.78541	.59030	.58321	.78095	.19510	-.19774	.19232	-.19885
1.501	5.955	-3.96082	1.51215	.83639	.54927	.57134	.77308	.28713	-.20174	.28415	-.20269
	GRADIENT	.01551	-.00032	.02549	-.02357	.00078	-.00123	.04906	.00201	.04898	.00197

RUN NO. 397/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.549	-6.027	-3.98307	1.55295	.53589	.83236	.56772	.77767	-.29647	-.20995	-.29879	-.21103
1.551	-3.976	-3.94982	1.55014	.58633	.77881	.57890	.78800	-.19249	-.20910	-.19461	-.21034
1.549	-1.998	-3.94703	1.55179	.63468	.72898	.58837	.79420	-.09431	-.20583	-.09656	-.20743
1.550	-.048	-3.97905	1.55101	.68209	.68178	.59275	.79394	.00031	-.20120	-.00189	-.20268
1.549	1.964	-4.04124	1.55200	.73402	.63467	.59083	.78946	.09935	-.19864	.09671	-.20006
1.550	4.005	-4.02131	1.54896	.78677	.59024	.58067	.78031	.19653	-.19964	.19372	-.20118
1.550	6.007	-4.00808	1.55301	.83849	.55612	.56356	.76900	.28237	-.20544	.27941	-.20697
	GRADIENT	-.01189	-.00011	.02511	-.02366	.00029	-.00102	.04877	.00131	.04868	.00129

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R053) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 303/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.600	-5.972	-4.00288	.28278	.26888	.27583	.05596	-.00200
.600	-3.972	-3.97511	.28306	.28754	.28530	.05803	-.00256
.600	-1.995	-3.95295	.28133	.29838	.28986	.06020	-.00097
.601	-.040	-3.94191	.28154	.30111	.29133	.05916	-.00249
.601	1.974	-4.02789	.28068	.29700	.28884	.05945	-.00159
.600	4.025	-4.05846	.28124	.28533	.28328	.05865	.00222
.600	6.046	-4.02072	.28011	.26812	.27412	.05639	.00132
	GRADIENT	-.01218	-.00021	-.00031	-.00026	.00002	.00045

RUN NO. 466/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.800	-5.966	-3.98688	.34926	.33596	.34261	.05614	-.00538
.799	-4.010	-4.05425	.34914	.35238	.35076	.05656	-.00343
.800	-1.978	-4.05165	.34862	.36232	.35547	.05773	.00006
.800	.001	-3.97106	.34856	.36465	.35661	.05837	-.00043
.800	2.011	-3.95074	.34896	.36094	.35495	.05875	-.00087
.800	3.958	-3.95338	.34807	.35080	.34943	.05798	.00061
.800	5.963	-3.93352	.34730	.33554	.34142	.05673	.00067
	GRADIENT	.01520	-.00009	-.00022	-.00015	.00020	.00036

RUN NO. 473/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-6.001	-4.00781	.41627	.40402	.41015	.05344	-.00122
.900	-3.994	-4.03679	.41581	.41812	.41696	.05407	-.00371
.900	-1.983	-4.07563	.41459	.42720	.42090	.05516	-.00120
.901	-.002	-3.98080	.41485	.42985	.42235	.05605	.00143
.900	2.001	-3.93644	.41537	.42586	.42062	.05602	-.00069
.900	3.964	-3.96065	.41474	.41625	.41550	.05491	-.00118
.900	6.003	-4.01423	.41334	.40259	.40796	.05424	-.00188
	GRADIENT	.01465	-.00007	-.00025	-.00016	.00013	.00028

RUN NO. 489/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.099	-5.999	-4.01507	.59959	.58777	.59368	.04833	-.00164
1.100	-4.016	-4.05653	.59857	.60014	.59936	.04852	-.00261
1.100	-1.973	-4.07128	.59643	.60671	.60157	.04952	-.00026
1.100	-.002	-3.96794	.59792	.61042	.60417	.04982	-.00035
1.100	2.013	-4.01181	.59854	.60710	.60282	.04992	-.00127
1.099	3.990	-3.99204	.59869	.59985	.59927	.04928	.00139
1.100	5.967	-3.92700	.59911	.58723	.59317	.04808	.00162
	GRADIENT	.00940	.00012	-.00000	.00006	.00010	.00035

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R053) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 333/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.250	-6.021	-4.02089	.66322	.65425	.65874	.04752	-.00054
1.250	-3.981	-4.00242	.66275	.66687	.66481	.04758	.00019
1.250	-2.002	-3.95347	.66216	.67466	.66841	.04886	-.00063
1.250	.005	-3.99170	.66218	.67705	.66962	.04884	-.00333
1.250	1.982	-4.06518	.66145	.67443	.66794	.04834	-.00129
1.249	4.008	-4.02061	.66107	.66636	.66371	.04846	.00063
1.249	6.026	-4.02219	.66212	.65353	.65782	.04781	-.00072
	GRADIENT	-.00741	-.00020	-.00007	-.00014	.00006	.00001

RUN NO. 496/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.397	-6.002	-4.01677	.68390	.67206	.67798	.04779	-.00080
1.399	-3.991	-4.02664	.68223	.68287	.68255	.04893	-.00216
1.398	-1.987	-4.07769	.68114	.69058	.68586	.05060	-.00011
1.399	.004	-3.98932	.68343	.69363	.68853	.04994	.00385
1.398	1.996	-3.91949	.68436	.69049	.68743	.05017	.00179
1.398	4.014	-3.98864	.68393	.68210	.68301	.04720	-.00052
1.398	6.028	-4.04612	.68631	.66994	.67812	.04282	-.00014
	GRADIENT	.01168	.00033	-.00008	.00012	-.00020	.00026

RUN NO. 380/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.451	-6.039	-4.04122	.68002	.66973	.67488	.04778	-.00005
1.450	-3.995	-4.00883	.67926	.68007	.67967	.05077	.00046
1.450	-2.016	-3.96331	.67871	.68579	.68225	.05075	.00244
1.451	-.049	-3.93737	.67994	.68643	.68318	.04896	-.00024
1.450	1.995	-4.06382	.68144	.68444	.68294	.04963	.00088
1.450	4.011	-4.02975	.68217	.67758	.67987	.04509	.00326
1.450	6.037	-4.00746	.68811	.66714	.67762	.04101	.00027
	GRADIENT	-.00720	.00043	-.00032	.00005	-.00062	.00020

RUN NO. 508/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.500	-6.013	-4.01928	.68491	.67409	.67950	.04951	-.00012
1.500	-4.029	-4.04633	.68195	.68387	.68291	.04901	.00045
1.499	-1.964	-4.05379	.68175	.68967	.68571	.04811	.00333
1.500	-.003	-3.97866	.68433	.68960	.68696	.04953	.00251
1.502	2.004	-3.95420	.68707	.68794	.68750	.04979	.00101
1.500	3.951	-3.94135	.68925	.68263	.68594	.04683	-.00010
1.501	5.955	-3.96082	.69432	.67268	.68350	.04534	-.00282
	GRADIENT	.01551	.00100	-.00020	.00040	-.00013	-.00017

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R053) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 397/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.549	-6.027	-3.98307	.68529	.67323	.67926	.05104	.00011
1.551	-3.976	-3.94982	.68363	.68407	.68385	.05030	.00078
1.549	-1.998	-3.94703	.68296	.69208	.68752	.04884	.00220
1.550	-.048	-3.97905	.68304	.69409	.68856	.04871	.00213
1.549	1.964	-4.04124	.68567	.69086	.68826	.04896	.00050
1.550	4.005	-4.02131	.68991	.68126	.68559	.04509	-.00186
1.550	6.007	-4.00808	.69878	.66705	.68292	.04166	-.00341
	GRADIENT	-.01189	.00077	-.00036	.00021	-.00052	-.00035

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R054) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.002 BETA = -4.000
PHI = .000

RUN NO. 328/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.989	-3.99723	698.68300	3.99949	1231.09000	2083.10001	1.21944	109.80000	.00000	7.23000	-146.23000
.900	-4.024	-4.03334	698.70700	4.00225	1232.78000	2084.60001	1.21914	109.70000	.00000	5.77400	-134.87000
.900	-1.984	-3.92060	699.37200	4.00252	1233.17000	2085.89999	1.21928	110.00000	.00000	4.51300	-116.77000
.899	.010	-4.03974	698.66300	4.00130	1233.78000	2085.39999	1.21893	109.90000	.00000	4.17200	-89.85000
.900	1.963	-4.01210	698.97300	4.00028	1233.37000	2085.50000	1.21912	110.10000	.00000	4.58400	-63.96000
.900	4.003	-4.03073	698.99200	4.00327	1233.57001	2085.70001	1.21907	109.80000	.00000	5.75800	-45.23000
.900	5.992	-3.99604	699.77700	4.00561	1233.75000	2087.00000	1.21932	109.90000	.00000	7.23100	-33.73000
	GRADIENT	-.00427	.00877	-.00001	.08934	.09061	-.00001	.01496	.00000	.00151	11.59812

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R054) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.002 BETA = -4.000
PHI = .000

RUN NO. 328/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-5.989	-3.99723	1.16464	.24996	.58159	.29214	.51722	-.33164	-.22508	-.32939	-.22464
.900	-4.024	-4.03334	1.17702	.30127	.52754	.30505	.53253	-.22617	-.22748	-.22366	-.22756
.900	-1.984	-3.92060	1.18358	.35843	.47345	.31611	.54129	-.11502	-.22518	-.11262	-.22544
.899	.010	-4.03974	1.18371	.41253	.41601	.31289	.54847	-.00348	-.23557	-.00117	-.23599
.900	1.963	-4.01210	1.18240	.46855	.36256	.30964	.54550	.10598	-.23586	.10760	-.23615
.900	4.003	-4.03073	1.17392	.52340	.30355	.29914	.53571	.21985	-.23657	.22150	-.23684
.900	5.992	-3.99604	1.15997	.57689	.24932	.28637	.52069	.32757	-.23433	.32949	-.23489
	GRADIENT	-.00427	-.00037	.02771	-.02794	-.00091	.00053	.05565	-.00144	.05552	-.00146

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R054) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.002 BETA = -4.000
PHI = .000

RUN NO. 328/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-5.989	-3.99723	.41465	.40446	.40956	.05375	-.00271
.900	-4.024	-4.03334	.41320	.41883	.41601	.05391	.00096
.900	-1.984	-3.92060	.41474	.42883	.42178	.05531	-.00259
.899	.010	-4.03974	.41312	.43089	.42200	.05589	-.00350
.900	1.963	-4.01210	.41475	.42771	.42123	.05586	.00059
.900	4.003	-4.03073	.41264	.41756	.41510	.05516	-.00003
.900	5.992	-3.99604	.41215	.40381	.40798	.05388	.00148
	GRADIENT	-.00427	-.00006	-.00018	-.00012	.00015	.00006

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R055) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 304/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-5.984	-2.01095	497.51300	3.85106	1974.70000	2518.60001	1.09322	110.20000	.00000	6.44200	-161.37000
.600	-4.027	-2.01500	496.90400	3.84612	1970.92999	2514.20001	1.09331	110.10000	.00000	4.66600	-153.34000
.601	-1.998	-2.00085	499.08900	3.85554	1972.46001	2518.29999	1.09367	110.30000	.00000	3.02700	-134.77000
.600	-.004	-2.01607	498.17500	3.85324	1973.67999	2518.39999	1.09341	110.20000	.00000	2.24200	-90.15000
.600	1.989	-1.98911	498.29300	3.85310	1974.97000	2519.79999	1.09339	110.40000	.00000	3.01200	-45.22000
.600	3.975	-1.98841	496.91800	3.84409	1971.53000	2514.79999	1.09326	110.40000	.00000	4.60800	-26.67000
.599	5.971	-1.98679	496.73500	3.84482	1974.52000	2517.50000	1.09310	110.50000	.00000	6.42100	-18.46000
	GRADIENT	.00325	-.03726	-.00032	.18689	.13771	-.00002	.03506	.00000	-.00778	17.14939

RUN NO. 467/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-5.951	-2.02906	627.35100	3.88807	1400.24001	2134.50000	1.17041	110.00000	.00000	6.38100	-161.13000
.800	-4.004	-2.01080	627.22600	3.88622	1400.64000	2134.70001	1.17033	110.20000	.00000	4.61900	-153.29000
.800	-1.971	-1.91715	627.37000	3.88669	1400.53999	2134.79993	1.17038	110.20000	.00000	2.93400	-135.68000
.800	-.007	-1.99388	627.25800	3.88684	1401.14000	2135.20001	1.17027	110.20000	.00000	2.20700	-90.26000
.800	1.999	-2.00629	627.00100	3.88795	1400.64999	2134.39999	1.17025	109.90000	.00000	3.01400	-45.27000
.800	4.003	-1.99716	627.33200	3.88595	1399.94000	2134.20001	1.17045	110.20000	.00000	4.60900	-26.58000
.800	5.951	-1.98662	627.00000	3.88502	1399.45000	2133.29999	1.17041	110.10000	.00000	6.36500	-18.48000
	GRADIENT	-.00304	-.00776	.00004	-.06478	-.07014	.00001	-.01499	.00000	.00278	17.19590

RUN NO. 474/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.044	-1.99722	699.59000	4.00256	1233.25999	2086.29999	1.21934	110.10000	.00000	6.42400	-161.69000
.900	-4.032	-2.02076	699.48900	3.99897	1233.66000	2086.50000	1.21923	110.50000	.00000	4.62300	-153.35000
.900	-2.023	-2.01037	699.00200	3.99799	1233.67000	2085.79999	1.21907	110.40000	.00000	3.01800	-135.06000
.900	-.011	-2.00728	699.11200	3.99991	1233.37000	2085.70001	1.21916	110.20000	.00000	2.20900	-90.29000
.899	2.006	-2.02257	698.23900	3.99522	1232.99001	2084.10001	1.21892	110.30000	.00000	3.01800	-45.31000
.900	3.973	-1.99901	698.44800	3.98971	1232.99001	2084.39999	1.21900	111.00000	.00000	4.56600	-26.71000
.900	6.039	-2.00993	698.31100	3.99387	1232.28999	2083.60001	1.21910	110.40000	.00000	6.42700	-18.40000
	GRADIENT	.00155	-.14216	-.00106	-.10088	-.29476	-.00003	.04456	.00000	-.00674	17.12390

RUN NO. 490/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-5.969	-1.98664	760.07900	3.87453	897.34300	1916.00000	1.33749	110.60000	.00000	6.30100	-161.58000
1.100	-3.954	-1.97796	760.38800	3.87999	898.03400	1917.00000	1.33736	110.20000	.00000	4.50100	-153.39000
1.100	-1.984	-1.92317	759.66700	3.87681	897.64800	1915.50000	1.33719	110.20000	.00000	2.90900	-135.76000
1.100	-.004	-1.99035	758.83500	3.87194	896.07300	1913.00000	1.33741	110.20000	.00000	2.17700	-90.02000
1.099	2.006	-2.01137	760.77300	3.88263	899.12000	1918.39999	1.33713	110.20000	.00000	2.98800	-45.11000
1.100	3.964	-2.00565	760.03800	3.87656	897.74100	1916.20000	1.33733	110.40000	.00000	4.52700	-26.80000
1.100	5.974	-1.99982	759.88300	3.87399	897.54500	1915.80000	1.33733	110.60000	.00000	6.31500	-18.46000
	GRADIENT	-.00726	.02123	-.00005	.04579	.06760	-.00001	.02014	.00000	.00679	17.35078

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R055) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 334/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-5.999	-1.99683	808.07100	3.90752	739.21900	1913.89999	1.42313	109.40000	.00000	6.33200	-161.61000
1.249	-4.032	-2.02315	806.24000	3.89983	737.85600	1909.70000	1.42301	109.30000	.00000	4.58900	-153.36000
1.250	-1.979	-1.97965	808.90600	3.91138	739.80200	1915.80000	1.42322	109.40000	.00000	2.94500	-134.91000
1.250	-.004	-1.99636	809.04400	3.91041	740.09700	1916.20000	1.42314	109.60000	.00000	2.18300	-90.16000
1.250	1.956	-2.09410	807.36600	3.90247	738.73300	1912.30000	1.42307	109.60000	.00000	3.01100	-47.10000
1.250	4.017	-2.00362	807.78000	3.90609	738.92600	1913.20000	1.42315	109.40000	.00000	4.56800	-26.56000
1.250	6.013	-1.99708	808.21600	3.90609	739.01900	1914.10001	1.42328	109.60000	.00000	6.34400	-18.39000
	GRADIENT	-.00365	.07900	.00019	.05496	.17955	.00001	.01984	.00000	.00109	17.01982

RUN NO. 497/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.399	-5.962	-1.99761	761.88600	3.54977	556.35300	1767.20000	1.49305	110.10000	.00000	6.31300	-161.50000
1.398	-3.992	-1.99838	761.36100	3.54516	556.35800	1766.00000	1.49286	110.40000	.00000	4.55400	-153.42000
1.399	-2.026	-1.94827	761.20000	3.54313	555.66800	1765.60001	1.49316	110.50000	.00000	2.96300	-136.05000
1.399	-.006	-2.04729	761.67800	3.54440	555.86100	1766.70000	1.49324	110.60000	.00000	2.23800	-90.18000
1.400	1.975	-1.98305	761.59900	3.54458	555.46700	1766.50000	1.49341	110.50000	.00000	2.95500	-45.27000
1.400	3.954	-1.99116	761.68600	3.54329	555.46600	1766.70000	1.49346	110.70000	.00000	4.52300	-26.76000
1.398	6.043	-2.02565	761.49400	3.54480	556.25800	1766.30000	1.49296	110.50000	.00000	6.40000	-18.54000
	GRADIENT	-.00106	.05289	-.00011	-.09961	.11598	.00007	.03015	.00000	-.00371	17.30547

RUN NO. 379/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-5.968	-1.99255	757.23300	3.49521	514.34500	1757.70000	1.51377	110.50000	.00000	6.32100	-161.52000
1.450	-3.994	-1.99224	757.41400	3.49780	514.63900	1758.10001	1.51368	110.30000	.00000	4.55700	-153.44000
1.450	-1.979	-1.98899	757.55400	3.49859	514.93400	1758.39999	1.51356	110.30000	.00000	2.96100	-134.71000
1.450	.011	-2.02537	757.63200	3.49966	514.83500	1758.60001	1.51364	110.20000	.00000	2.21800	-89.64000
1.449	1.955	-1.92494	757.73500	3.50037	515.22900	1758.80000	1.51347	110.20000	.00000	2.90300	-44.65000
1.450	3.989	-1.99049	757.51700	3.50342	515.03300	1758.30000	1.51349	109.70000	.00000	4.55400	-26.49000
1.449	5.955	-1.98300	757.47600	3.50243	515.03400	1758.20000	1.51348	109.80000	.00000	6.30900	-18.39000
	GRADIENT	.00333	.01936	.00065	.05426	.04000	-.00002	-.06547	.00000	-.00336	17.26823

RUN NO. 509/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.499	-5.963	-1.98324	718.33400	3.29605	456.41200	1674.20000	1.53204	110.30000	.00000	6.32600	-161.59000
1.499	-3.971	-2.00054	718.21600	3.29401	456.41300	1673.89999	1.53200	110.50000	.00000	4.54800	-153.22000
1.500	-1.960	-1.91211	717.92000	3.29228	455.62500	1673.39999	1.53235	110.50000	.00000	2.90000	-135.57000
1.500	-.013	-2.06146	719.27900	3.29864	456.69900	1676.50000	1.53223	110.60000	.00000	2.25700	-90.29000
1.502	1.969	-1.97257	718.48900	3.29418	454.82700	1675.10001	1.53303	110.50000	.00000	2.95200	-45.14000
1.500	3.964	-1.98750	719.30300	3.29733	456.89700	1676.50000	1.53213	110.70000	.00000	4.54100	-26.64000
1.500	5.991	-2.00042	719.93500	3.29919	456.89100	1678.10001	1.53236	110.80000	.00000	6.36000	-18.46000
	GRADIENT	-.00167	.13820	.00043	.00849	.34766	.00005	.02023	.00000	.00197	17.34324

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R055) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 396/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-6.037	-2.00866	688.68400	3.14565	409.35400	1617.00000	1.54949	110.10000	.00000	6.41200	-161.50000
1.549	-4.011	-1.99031	689.23800	3.14623	410.24100	1618.00000	1.54914	110.40000	.00000	4.58700	-153.49000
1.549	-1.966	-1.96445	690.57900	3.15546	411.31800	1621.00000	1.54896	110.00000	.00000	2.94600	-134.77000
1.550	.017	-2.05264	689.55500	3.15124	410.13800	1618.89999	1.54932	109.90000	.00000	2.25200	-89.50000
1.550	1.963	-1.93372	689.50000	3.14735	410.23800	1618.70000	1.54924	110.40000	.00000	2.92400	-44.62000
1.550	3.998	-2.00606	689.90900	3.15048	410.03500	1619.89999	1.54952	110.20000	.00000	4.58400	-26.67000
1.549	5.987	-2.00202	689.29500	3.14579	410.34000	1618.10001	1.54909	110.50000	.00000	6.36500	-18.42000
	GRADIENT	-.00009	.01421	.00003	-.07411	.07756	.00005	-.00053	.00000	-.00221	17.21375

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R055) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 304/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.600	-5.984	-2.01095	1.05043	.11920	.47002	.20961	.33129	-.35082	-.12168	-.35008	-.12151
.600	-4.027	-2.01500	1.06538	.17417	.41364	.22514	.34984	-.23946	-.12470	-.23811	-.12449
.601	-1.998	-2.00085	1.06731	.23276	.35260	.23373	.36323	-.11984	-.12950	-.11797	-.12974
.600	-.004	-2.01607	1.06794	.29493	.29223	.23358	.36948	.00270	-.13591	.00336	-.13654
.600	1.989	-1.98911	1.06567	.35536	.23160	.22906	.36200	.12376	-.13295	.12413	-.13394
.600	3.975	-1.98841	1.05830	.41126	.17333	.22019	.34979	.23793	-.12960	.23830	-.13037
.599	5.971	-1.98679	1.04516	.46874	.11690	.20481	.33503	.35184	-.13022	.35226	-.13130
	GRADIENT	.00325	-.00079	.02985	-.03010	-.00072	-.00006	.05995	-.00067	.05978	-.00080

RUN NO. 467/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.800	-5.951	-2.02906	1.15688	.18778	.52936	.27812	.39495	-.34158	-.11683	-.34087	-.11693
.800	-4.004	-2.01080	1.16739	.24248	.47487	.29261	.41147	-.23239	-.11886	-.23201	-.11908
.800	-1.971	-1.91715	1.17066	.30014	.41568	.30340	.42123	-.11554	-.11783	-.11522	-.11832
.800	-.007	-1.99388	1.17160	.35967	.35818	.30190	.42841	.00149	-.12651	.00124	-.12732
.800	1.999	-2.00629	1.16971	.41833	.29989	.29506	.42589	.11844	-.13083	.11811	-.13162
.800	4.003	-1.99716	1.16337	.47588	.24158	.28540	.41604	.23430	-.13064	.23412	-.13140
.800	5.951	-1.98662	1.15089	.53081	.18481	.27014	.39964	.34600	-.12950	.34550	-.13041
	GRADIENT	-.00304	-.00045	.02927	-.02914	-.00114	.00069	.05841	-.00183	.05833	-.00190

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R055) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 474/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-6.044	-1.99722	1.20639	.25890	.58929	.34786	.45747	-.33039	-.10962	-.33096	-.11063
.900	-4.032	-2.02076	1.21578	.31265	.53549	.36056	.47404	-.22283	-.11348	-.22325	-.11440
.900	-2.023	-2.01037	1.21951	.36702	.47946	.36897	.48567	-.11243	-.11669	-.11283	-.11778
.900	-.011	-2.00728	1.21959	.42423	.42377	.36879	.49014	.00046	-.12136	-.00062	-.12264
.899	2.006	-2.02257	1.21871	.48173	.36761	.36265	.48819	.11411	-.12554	.11298	-.12660
.900	3.973	-1.99901	1.21360	.53578	.31352	.35469	.47907	.22226	-.12438	.22121	-.12576
.900	6.039	-2.00993	1.20169	.59067	.25714	.33948	.46458	.33352	-.12510	.33247	-.12648
	GRADIENT	.00155	-.00025	.02799	-.02773	-.00090	.00063	.05573	-.00153	.05563	-.00158

RUN NO. 490/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.100	-5.969	-1.98664	1.32690	.46080	.75199	.53852	.63695	-.29119	-.09844	-.29194	-.09929
1.100	-3.954	-1.97796	1.33508	.50894	.70342	.55013	.65058	-.19448	-.10045	-.19579	-.10141
1.100	-1.984	-1.92317	1.33827	.55660	.65515	.55823	.65836	-.09855	-.10008	-.09961	-.10119
1.100	-.004	-1.99035	1.33704	.60668	.60424	.55551	.66312	.00244	-.10761	.00077	-.10897
1.099	2.006	-2.01137	1.33660	.65737	.55442	.55130	.66114	.10295	-.10985	.10130	-.11122
1.100	3.964	-2.00565	1.33278	.70628	.50754	.54332	.65362	.19874	-.11029	.19733	-.11154
1.100	5.974	-1.99982	1.32216	.75450	.45869	.53125	.64154	.29581	-.11029	.29444	-.11186
	GRADIENT	-.00726	-.00032	.02499	-.02484	-.00104	.00045	.04983	-.00149	.04979	-.00153

RUN NO. 334/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.250	-5.999	-1.99683	1.37458	.52597	.81858	.60409	.70411	-.29260	-.10001	-.28957	-.10012
1.249	-4.032	-2.02315	1.38589	.57247	.77083	.61501	.71684	-.19836	-.10183	-.19562	-.10221
1.250	-1.979	-1.97965	1.38777	.62098	.71998	.62339	.72524	-.09900	-.10185	-.09626	-.10223
1.250	-.004	-1.99636	1.38663	.67049	.67195	.62318	.73008	-.00145	-.10689	.00088	-.10779
1.250	1.956	-2.09410	1.38741	.71799	.62303	.61677	.72952	.09496	-.11275	.09743	-.11375
1.250	4.017	-2.00362	1.38374	.76821	.57485	.61106	.72014	.19336	-.10907	.19604	-.10990
1.250	6.013	-1.99708	1.37023	.81742	.52805	.59847	.70747	.28937	-.10900	.29206	-.10959
	GRADIENT	-.00365	-.00023	.02438	-.02440	-.00072	.00054	.04879	-.00126	.04877	-.00134

RUN NO. 497/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.399	-5.962	-1.99761	1.48942	.54395	.83663	.61544	.72716	-.29268	-.11172	-.29416	-.11249
1.398	-3.992	-1.99838	1.49166	.59159	.78778	.62671	.73901	-.19619	-.11230	-.19794	-.11326
1.399	-2.026	-1.94827	1.49220	.63861	.73767	.63374	.74512	-.09906	-.11138	-.10083	-.11238
1.399	-.006	-2.04729	1.49006	.69263	.68413	.63371	.74980	.00850	-.11609	.00631	-.11719
1.400	1.975	-1 98305	1.49142	.74309	.63469	.63508	.74211	.10840	-.10703	.10617	-.10828
1.400	3.954	-1.99116	1.48883	.79230	.59025	.62905	.73223	.20205	-.10318	.19987	-.10435
1.398	6.043	-2.02565	1.48463	.84437	.54473	.61766	.72132	.29965	-.10366	.29745	-.10512
	GRADIENT	-.00106	-.00032	.02543	-.02504	.00030	-.00083	.05047	.00113	.05041	.00110

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R055) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 379/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.450	-5.968	-1.99255	1.50056	.54059	.83220	.61254	.72632	-.29161	-.11378	-.29350	-.11484
1.450	-3.994	-1.99224	1.50629	.58674	.78143	.62163	.73695	-.19469	-.11532	-.19682	-.11651
1.450	-1.979	-1.98899	1.50918	.63912	.73048	.62800	.74366	-.09136	-.11566	-.09327	-.11669
1.450	.011	-2.02537	1.50829	.69138	.67791	.63129	.74106	.01347	-.10978	.01107	-.11078
1.449	1.955	-1.92494	1.50834	.74042	.63276	.63540	.73414	.10766	-.09873	.10540	-.09980
1.450	3.989	-1.99049	1.50415	.78927	.58880	.62803	.72666	.20046	-.09863	.19830	-.10003
1.449	5.955	-1.98300	1.49523	.83769	.54925	.61739	.71615	.28844	-.09875	.28615	-.10010
	GRADIENT	.00333	-.00026	.02544	-.02427	.00101	-.00151	.04971	.00252	.04969	.00250

RUN NO. 509/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.499	-5.963	-1.98324	1.52265	.54500	.83469	.61797	.72881	-.28969	-.11084	-.29178	-.11169
1.499	-3.971	-2.00054	1.52674	.59043	.78231	.62894	.73855	-.19188	-.10961	-.19430	-.11083
1.500	-1.960	-1.91211	1.52581	.63898	.73199	.63677	.74226	-.09301	-.10549	-.09561	-.10656
1.500	-.013	-2.06146	1.52604	.69196	.68618	.63333	.74216	.00577	-.10883	.00283	-.11014
1.502	1.969	-1.97257	1.52230	.73747	.63796	.63070	.73179	.09951	-.10110	.09640	-.10253
1.500	3.964	-1.98750	1.52292	.78953	.59965	.62978	.73139	.18988	-.10161	.18697	-.10299
1.500	5.991	-2.00042	1.51470	.84049	.55586	.61902	.72217	.28463	-.10315	.28196	-.10457
	GRADIENT	-.00167	-.00056	.02509	-.02320	-.00022	-.00125	.04829	.00103	.04821	.00100

RUN NO. 396/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.550	-6.037	-2.00866	1.55024	.54504	.84031	.61128	.72803	-.29527	-.11675	-.29765	-.11798
1.549	-4.011	-1.99031	1.55168	.59468	.78564	.62214	.73814	-.19096	-.11600	-.19296	-.11720
1.549	-1.966	-1.96445	1.55564	.64175	.73168	.62885	.74174	-.08993	-.11289	-.09211	-.11421
1.550	.017	-2.05264	1.55418	.68972	.68203	.63437	.73952	.00769	-.10515	.00499	-.10654
1.550	1.963	-1.93372	1.55430	.73828	.64019	.63837	.73154	.09809	-.09317	.09552	-.09484
1.550	3.998	-2.00606	1.54992	.79208	.60175	.63076	.72637	.19033	-.09561	.18754	-.09751
1.549	5.987	-2.00202	1.54995	.84489	.56128	.61734	.71567	.28361	-.09832	.28086	-.10022
	GRADIENT	-.00009	-.00024	.02463	-.02303	.00134	-.00169	.04766	.00303	.04756	.00294

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R055) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 304/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.600	-5.984	-2.01095	.29424	.27037	.28230	.05678	-.00138
.600	-4.027	-2.01500	.29323	.28738	.29031	.05805	-.00180
.601	-1.998	-2.00085	.29175	.29860	.29517	.06022	-.00374
.600	-.004	-2.01607	.29325	.30185	.29755	.06129	-.00127
.600	1.989	-1.98911	.29330	.29603	.29466	.05902	.00248
.600	3.975	-1.98841	.29211	.28538	.28874	.05688	.00063
.599	5.971	-1.98679	.29260	.27046	.28153	.05721	-.00102
	GRADIENT	.00325	-.00003	-.00032	-.00018	-.00017	.00055

RUN NO. 467/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.800	-5.951	-2.02906	.35822	.33658	.34740	.05567	-.00188
.800	-4.004	-2.01080	.35848	.35215	.35532	.05640	.00045
.800	-1.971	-1.91715	.35775	.36256	.36016	.05872	-.00222
.800	-.007	-1.99388	.35905	.36556	.36230	.05900	-.00437
.800	1.999	-2.00629	.35928	.36087	.36008	.05798	-.00055
.800	4.003	-1.99716	.35882	.35110	.35496	.05757	.00047
.800	5.951	-1.98662	.35806	.33535	.34670	.05696	.00053
	GRADIENT	-.00304	.00011	-.00019	-.00004	.00008	.00009

RUN NO. 474/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-6.044	-1.99722	.42438	.40317	.41378	.05320	-.00197
.900	-4.032	-2.02076	.42428	.41776	.42102	.05422	-.00168
.900	-2.023	-2.01037	.42344	.42787	.42565	.05544	-.00199
.900	-.011	-2.00728	.42454	.43011	.42732	.05624	-.00264
.899	2.006	-2.02257	.42524	.42596	.42560	.05586	-.00058
.900	3.973	-1.99901	.42517	.41757	.42137	.05429	.00040
.900	6.039	-2.00993	.42443	.40272	.41357	.05364	-.00072
	GRADIENT	.00155	.00018	-.00011	.00003	.00003	.00028

RUN NO. 490/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.100	-5.969	-1.98664	.60677	.58816	.59747	.04756	-.00171
1.100	-3.954	-1.97796	.60683	.60083	.60383	.04804	.00026
1.100	-1.984	-1.92317	.60640	.60887	.60764	.04996	-.00211
1.100	-.004	-1.99035	.60629	.60999	.60814	.05067	-.00324
1.099	2.006	-2.01137	.60672	.60691	.60681	.04947	-.00011
1.100	3.964	-2.00565	.60762	.59909	.60336	.04861	-.00018
1.100	5.974	-1.99982	.60728	.58718	.59723	.04816	-.00015
	GRADIENT	-.00726	.00010	-.00027	-.00009	.00003	.00006

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R055) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 334/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.250	-5.999	-1.99683	.67076	.65416	.66246	.04763	-.00151
1.249	-4.032	-2.02315	.67028	.66611	.66820	.04799	-.00017
1.250	-1.979	-1.97965	.66911	.67451	.67181	.04882	-.00109
1.250	-.004	-1.99636	.67005	.67708	.67357	.04950	-.00403
1.250	1.956	-2.09410	.66928	.67365	.67146	.04854	-.00036
1.250	4.017	-2.00362	.67018	.66601	.66810	.04778	.00175
1.250	6.013	-1.99708	.67138	.65326	.66232	.04826	-.00064
	GRADIENT	-.00365	-.00000	-.00005	-.00003	-.00003	.00023

RUN NO. 497/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.399	-5.962	-1.99761	.69103	.67169	.68136	.04898	-.00096
1.398	-3.992	-1.99838	.69056	.68334	.68695	.04855	.00074
1.399	-2.026	-1.94827	.68903	.68993	.68948	.05153	-.00184
1.399	-.006	-2.04729	.68947	.69231	.69089	.05258	.00094
1.400	1.975	-1.98305	.69000	.68923	.68961	.04847	.00456
1.400	3.954	-1.99116	.69237	.68123	.68680	.04674	.00025
1.398	6.043	-2.02565	.69565	.67022	.68293	.04671	-.00068
	GRADIENT	-.00106	.00023	-.00025	-.00001	-.00034	.00027

RUN NO. 379/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.450	-5.968	-1.99255	.68734	.66996	.67865	.04848	-.00091
1.450	-3.994	-1.99224	.68515	.67989	.68252	.04998	-.00072
1.450	-1.979	-1.98899	.68575	.68634	.68605	.05265	.00098
1.450	.011	-2.02537	.68585	.68668	.68626	.05086	.00546
1.449	1.955	-1.92494	.68772	.68531	.68651	.04672	.00309
1.450	3.989	-1.99049	.69012	.67804	.68408	.04494	-.00098
1.449	5.955	-1.98300	.69462	.66744	.68103	.04453	.00044
	GRADIENT	.00333	.00060	-.00024	.00018	-.00080	.00008

RUN NO. 509/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.499	-5.963	-1.98324	.69089	.67382	.68235	.04905	-.00044
1.499	-3.971	-2.00054	.68758	.68435	.68597	.04869	.00217
1.500	-1.960	-1.91211	.68679	.69005	.68842	.05023	-.00060
1.500	-.013	-2.06146	.69054	.68840	.68947	.04937	.00091
1.502	1.969	-1.97257	.68927	.68197	.68562	.04563	.00282
1.500	3.964	-1.98750	.69605	.68127	.68866	.04596	-.00134
1.500	5.991	-2.00042	.69951	.67131	.68541	.04733	-.00050
	GRADIENT	-.00167	.00098	-.00072	.00013	-.00051	-.00018

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R055) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 396/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.550	-6.037	-2.00866	.69386	.67026	.68206	.05231	.00019
1.549	-4.011	-1.99031	.69116	.68074	.68595	.05038	.00077
1.549	-1.966	-1.96445	.68781	.68596	.68689	.04913	.00226
1.550	.017	-2.05264	.68723	.68764	.68743	.04799	.00619
1.550	1.963	-1.93372	.69052	.68579	.68815	.04533	.00267
1.550	3.998	-2.00606	.69831	.67951	.68891	.04592	-.00246
1.549	5.987	-2.00202	.70446	.66746	.68596	.04741	-.00082
	GRADIENT	-.00009	.00085	-.00013	.00036	-.00064	-.00030

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R056) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.006 BETA = -2.000
PHI = .000

RUN NO. 329/ 0 RN/L = 4.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.899	-6.001	-2.03978	699.07900	4.00273	1234.47000	2086.60001	1.21893	110.00000	.00000	6.40000	-161.19000
.901	-3.957	-1.97855	700.94000	4.00990	1233.53000	2088.50000	1.21975	109.90000	.00000	4.54200	-153.38000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R056) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.006 BETA = -2.000
PHI = .000

RUN NO. 329/ 0 RN/L = 4.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.899	-6.001	-2.03978	1.17193	.25885	.58989	.34699	.46362	-.33104	-.11664	-.32888	-.11631
.901	-3.957	-1.97855	1.18388	.31514	.53599	.36469	.47797	-.22085	-.11328	-.21832	-.11324
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R056) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.006 BETA = -2.000
PHI = .000

RUN NO. 329/ 0 RN/L = 4.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.899	-6.001	-2.03978	.42328	.40514	.41421	.05410	.00150
.901	-3.957	-1.97855	.42430	.42131	.42281	.05410	.00150
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R057) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 305/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-5.989	.00408	498.07000	3.85495	1976.37000	2520.89999	1.09328	110.20000	.00000	-5.63500	.00000
.600	-3.996	.00254	497.00700	3.84911	1975.11000	2518.39999	1.09312	110.20000	.00000	-3.67600	.00000
.599	-1.979	.00097	496.37400	3.84520	1973.83000	2516.39999	1.09307	110.20000	.00000	-1.69600	.00000
.601	.008	-.00047	497.68900	3.84748	1971.41000	2515.60001	1.09343	110.40000	.00000	.25100	.00000
.601	1.986	.00173	497.67600	3.84617	1970.91000	2515.10001	1.09344	110.50000	.00000	2.19100	.00000
.601	3.996	.00106	498.73100	3.85430	1971.88000	2517.29999	1.09360	110.20000	.00000	4.16400	.00000
.600	6.013	.00357	497.69200	3.85039	1974.99001	2519.10001	1.09327	110.40000	.00000	6.14600	.02000
	GRADIENT	-.00011	.23793	.00057	-.47009	-.17555	.00007	.01497	.00000	.98089	.00000

RUN NO. 468/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.029	.00649	627.18800	3.88548	1400.03999	2134.10001	1.17040	110.20000	.00000	-5.63900	-.02000
.799	-3.972	.00359	626.01800	3.88162	1401.75999	2134.10001	1.16984	110.30000	.00000	-3.63000	-.02000
.800	-2.004	.00201	627.40700	3.88625	1399.94000	2134.29999	1.17045	110.20000	.00000	-1.70900	-.02000
.800	.020	-.00013	626.78200	3.88193	1400.75000	2134.20001	1.17018	110.50000	.00000	.26300	-.02000
.800	1.975	-.00055	627.14500	3.88405	1400.53999	2134.50000	1.17030	110.40000	.00000	2.16800	-.02000
.800	4.016	-.00131	627.25700	3.88566	1399.94000	2134.10001	1.17043	110.20000	.00000	4.16100	-.02000
.800	5.981	-.00277	627.16900	3.88336	1399.74001	2133.79999	1.17043	110.40000	.00000	6.08000	-.02000
	GRADIENT	-.00062	.11054	.00029	-.15194	.00970	.00005	-.00001	.00000	.97514	-.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R057) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 475/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.971	-.00513	699.18200	3.99476	1233.37000	2085.79999	1.21918	110.80000	.00000	-5.55200	.08000
.900	-3.988	-.00447	699.36900	3.99330	1233.86000	2086.50000	1.21916	111.10000	.00000	-3.62400	.08000
.900	-2.008	-.00246	699.64000	3.99532	1233.06000	2086.20001	1.21940	110.90000	.00000	-1.70000	.07000
.900	-.005	-.00018	699.22000	3.99262	1233.77000	2086.20001	1.21912	111.10000	.00000	.24200	.08000
.900	1.989	.00181	699.17500	3.99752	1232.57001	2085.10001	1.21932	110.40000	.00000	2.17700	.08000
.900	4.018	.00511	699.41200	3.99514	1232.87000	2085.70001	1.21934	110.80000	.00000	4.14800	.08000
.900	5.970	.00748	698.57000	3.99467	1232.09000	2083.79999	1.21920	110.40000	.00000	6.04500	.08000
	GRADIENT	.00117	-.01889	.00029	-.12322	-.13467	.00001	-.05482	.00000	.97061	.00050

RUN NO. 491/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-5.977	-.00032	760.46700	3.87477	897.83400	1917.00000	1.33748	110.80000	.00000	-5.50400	.02000
1.100	-4.006	.00018	761.33900	3.87937	899.01100	1919.30000	1.33742	110.80000	.00000	-3.60400	.01000
1.100	-1.977	-.00124	760.85300	3.87975	898.62200	1918.20000	1.33735	110.50000	.00000	-1.65100	.02000
1.100	.009	-.00138	760.79800	3.87536	898.02700	1917.70000	1.33755	110.90000	.00000	.26000	.02000
1.100	1.995	-.00168	759.16400	3.87227	896.86200	1914.10001	1.33726	110.40000	.00000	2.17100	.02000
1.100	3.982	-.00128	759.20300	3.86878	896.76200	1914.10001	1.33732	110.80000	.00000	4.08500	.01000
1.100	5.997	-.00338	759.20600	3.87081	896.16600	1913.70000	1.33755	110.50000	.00000	6.02600	.00000
	GRADIENT	-.00017	-.29868	-.00144	-.31360	-.72655	-.00001	-.00511	.00000	.96250	.00001

RUN NO. 335/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.251	-5.985	.00005	807.51700	3.90440	737.34600	1912.00000	1.42374	109.30000	.00000	-5.51700	.04000
1.251	-3.987	.00166	808.03200	3.90391	737.53700	1913.10001	1.42386	109.60000	.00000	-3.59100	.04000
1.250	-1.995	.00255	807.64100	3.90547	737.93800	1912.50000	1.42353	109.30000	.00000	-1.67200	.04000
1.251	-.008	.00363	808.39600	3.90621	738.42300	1914.20000	1.42362	109.60000	.00000	.24000	.04000
1.250	1.994	.00479	807.89600	3.90715	738.62700	1913.30000	1.42333	109.30000	.00000	2.16600	.04000
1.249	4.008	.00727	807.73700	3.90500	739.81600	1913.50000	1.42273	109.60000	.00000	4.10500	.04000
1.249	5.974	.00782	807.42400	3.90628	739.62300	1912.80000	1.42269	109.30000	.00000	5.99700	.04000
	GRADIENT	.00067	-.01692	.00019	.26279	.07985	-.00012	.00004	.00000	.96255	.00000

RUN NO. 498/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.398	-5.964	.00292	761.23300	3.54283	556.16100	1765.70000	1.49292	110.60000	.00000	-5.51000	.05000
1.399	-3.990	.00247	761.54000	3.54243	556.15800	1766.39999	1.49303	110.80000	.00000	-3.60300	.04000
1.398	-1.992	.00221	761.53800	3.54580	556.25700	1766.39999	1.49298	110.40000	.00000	-1.67300	.05000
1.399	-.006	.00280	761.94100	3.54464	555.85900	1767.30000	1.49335	110.70000	.00000	.24300	.05000
1.398	2.002	.00451	761.35600	3.54530	556.55500	1766.00000	1.49275	110.40000	.00000	2.18200	.05000
1.399	3.983	.00640	761.59700	3.54465	555.56600	1766.50000	1.49337	110.50000	.00000	4.09500	.05000
1.399	5.975	.00987	761.41500	3.54168	555.86400	1766.10001	1.49314	110.80000	.00000	6.01800	.05000
	GRADIENT	.00051	-.00351	.00020	-.04424	-.01025	.00002	-.03016	.00000	.96546	.00100

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R057) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 375/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-5.969	-.00177	757.21600	3.50040	514.83900	1757.60001	1.51349	109.90000	.00000	-5.51900	.00000
1.450	-3.994	-.00095	757.11300	3.49963	514.44500	1757.39999	1.51366	109.90000	.00000	-3.61100	.00000
1.450	-1.999	.00087	756.46400	3.50238	513.95700	1755.89999	1.51369	109.20000	.00000	-1.68300	.00000
1.449	-.010	-.00010	757.05000	3.50217	514.84000	1757.20000	1.51343	109.60000	.00000	.23800	-.01000
1.450	1.999	-.00688	758.02600	3.50402	515.22600	1759.50000	1.51358	109.90000	.00000	2.17800	.00000
1.450	4.019	.00049	757.39900	3.50079	514.34400	1758.10001	1.51382	109.90000	.00000	4.13000	.00000
1.450	5.987	-.00012	758.92900	3.49755	515.81000	1761.60001	1.51361	111.20000	.00000	6.03000	.00000
	GRADIENT	-.00024	.10651	.00019	.05300	.24958	.00001	.03504	.00000	.96602	.00000

RUN NO. 510/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-5.967	-.00469	717.77400	3.29173	455.72500	1673.00000	1.53224	110.50000	.00000	-5.52900	.04000
1.500	-3.999	-.00136	719.56500	3.30009	457.09200	1677.10001	1.53210	110.50000	.00000	-3.62300	.05000
1.500	-1.982	-.00070	720.11700	3.30240	457.08700	1678.50000	1.53231	110.50000	.00000	-1.67000	.04000
1.500	-.029	-.00032	719.59200	3.30091	456.99300	1677.20000	1.53217	110.40000	.00000	.22000	.04000
1.499	2.029	.00192	717.80900	3.29224	456.31900	1672.89999	1.53190	110.50000	.00000	2.21300	.03000
1.499	3.976	.00184	718.16400	3.29373	456.31500	1673.80000	1.53204	110.50000	.00000	4.09800	.04000
1.500	5.988	.00570	719.09600	3.29853	456.50300	1676.10001	1.53228	110.40000	.00000	6.04400	.04000
	GRADIENT	.00045	-.25673	-.00115	-.11660	-.61295	-.00003	.00007	.00000	.96807	-.00151

RUN NO. 392/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-5.996	-.00159	689.21600	3.14969	409.94400	1618.10001	1.54932	109.90000	.00000	-5.56700	.01000
1.550	-3.975	-.00618	689.83900	3.15186	410.43300	1619.50000	1.54924	110.00000	.00000	-3.60700	.01000
1.549	-1.997	.00316	690.21800	3.15071	410.82600	1620.30000	1.54914	110.40000	.00000	-1.68900	.03000
1.550	-.001	-.00624	688.27300	3.14463	409.35900	1615.89999	1.54933	110.00000	.00000	.24600	.00000
1.550	1.987	.00412	690.00800	3.15041	410.53000	1619.89999	1.54924	110.30000	.00000	2.17300	.01000
1.551	4.006	-.00813	689.41700	3.15041	409.64300	1618.80000	1.54958	109.90000	.00000	4.13100	.01000
1.550	5.984	-.00196	689.15600	3.14781	409.64600	1618.10001	1.54948	110.10000	.00000	6.04800	.00000
	GRADIENT	-.00015	-.05291	-.00016	-.09427	-.09030	.00004	-.01523	.00000	.96951	-.00100

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (14R057) (12 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 305/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.600	-5.989	.00408	1.04911	.13084	.46150	.27454	.26941	-.33066	.00512	-.32978	.00384
.600	-3.996	.00254	1.06576	.18800	.40700	.28977	.28868	-.21900	.00109	-.21812	.00042
.599	-1.979	.00097	1.06949	.24669	.34798	.29835	.30122	-.10129	-.00287	-.10013	-.00343
.601	.008	-.00047	1.06597	.30237	.29000	.29820	.30505	.01237	-.00685	.01261	-.00744
.601	1.986	.00173	1.06673	.36080	.23420	.29359	.30226	.12660	-.00867	.12708	-.00933
.601	3.996	.00106	1.05789	.41766	.17472	.27946	.29250	.24294	-.01303	.24310	-.01394
.600	6.013	.00357	1.04302	.47319	.11794	.26185	.27659	.35525	-.01474	.35582	-.01589
	GRADIENT	-.00011	-.00093	.02875	-.02899	-.00127	.00044	.05774	-.00171	.05763	-.00174

RUN NO. 468/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.800	-6.029	.00649	1.15820	.19350	.52804	.33797	.33569	-.33454	.00228	-.33439	.00082
.799	-3.972	.00359	1.17285	.25499	.47350	.35424	.35611	-.21850	-.00187	-.21869	-.00258
.800	-2.004	.00201	1.17029	.30886	.41421	.35923	.36550	-.10534	-.00622	-.10553	-.00708
.800	.020	-.00013	1.17188	.36745	.35676	.36135	.36998	.01069	-.00863	.01033	-.00943
.800	1.975	-.00055	1.17019	.42282	.30149	.35537	.36775	.12133	-.01238	.12097	-.01372
.800	4.016	-.00131	1.16380	.48140	.24233	.34351	.35812	.23907	-.01461	.23888	-.01564
.800	5.981	-.00277	1.15147	.53481	.18542	.32676	.34447	.34939	-.01771	.34873	-.01880
	GRADIENT	-.00062	-.00091	.02840	-.02882	-.00128	.00031	.05722	-.00158	.05721	-.00164

RUN NO. 475/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-5.971	-.00513	1.20840	.26715	.58598	.40439	.40443	-.31884	-.00004	-.31937	-.00124
.900	-3.988	-.00447	1.21651	.32132	.53149	.41629	.42019	-.21017	-.00389	-.21080	-.00508
.900	-2.008	-.00246	1.21815	.37577	.47676	.42314	.43022	-.10099	-.00709	-.10152	-.00815
.900	-.005	-.00018	1.21967	.43072	.42177	.42540	.43554	.00896	-.01015	.00809	-.01154
.900	1.989	.00181	1.21789	.48515	.36825	.41983	.43244	.11689	-.01261	.11591	-.01422
.900	4.018	.00511	1.21274	.54202	.31155	.40932	.42399	.23046	-.01467	.22946	-.01611
.900	5.970	.00748	1.20178	.59403	.25868	.39484	.41048	.33535	-.01564	.33422	-.01705
	GRADIENT	.00117	-.00039	.02753	-.02741	-.00087	.00048	.05493	-.00135	.05487	-.00140

RUN NO. 491/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.100	-5.977	-.00032	1.32745	.46386	.75222	.58755	.58738	-.28835	.00016	-.28947	-.00120
1.100	-4.006	.00018	1.33538	.51265	.70376	.59906	.60167	-.19111	-.00260	-.19263	-.00386
1.100	-1.977	-.00124	1.33791	.56221	.65309	.60540	.61136	-.09088	-.00596	-.09219	-.00721
1.100	.009	-.00138	1.33800	.61125	.60370	.60639	.61510	.00755	-.00871	.00558	-.01007
1.100	1.995	-.00168	1.33720	.66065	.55566	.60179	.61290	.10500	-.01111	.10344	-.01253
1.100	3.982	-.00123	1.33253	.71045	.50670	.59291	.60485	.20375	-.01194	.20250	-.01342
1.100	5.997	-.00338	1.32137	.75832	.45728	.57915	.59227	.30103	-.01311	.29966	-.01458
	GRADIENT	-.00017	-.00032	.02477	-.02464	-.00079	.00040	.04941	-.00120	.04942	-.00123

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R057) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 335/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.251	-5.985	.00005	1.37412	53054	.81459	.65291	.65618	-.28405	-.00328	-.28129	-.00390
1.251	-3.987	.00166	1.38421	.57913	.76621	.66454	.67088	-.18709	-.00633	-.18387	-.00666
1.250	-1.995	.00255	1.38625	.62740	.71836	.67106	.67898	-.09095	-.00792	-.08808	-.00824
1.251	-.008	.00363	1.38588	.67511	.67088	.67259	.68208	.00424	-.00949	.00669	-.01004
1.250	1.994	.00479	1.38674	.72291	.62443	.66850	.67979	.09847	-.01130	.10131	-.01182
1.249	4.008	.00727	1.38314	.77158	.57534	.65986	.67160	.19623	-.01174	.19894	-.01230
1.249	5.974	.00782	1.36974	.82050	.52901	.64693	.65900	.29149	-.01207	.29403	-.01275
	GRADIENT	.00067	-.00008	.02405	-.02381	-.00060	.00011	.04786	-.00071	.04780	-.00074

RUN NO. 498/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.398	-5.964	.00292	1.48369	.55012	.83997	.67690	.66876	-.28985	.00813	-.29126	.00646
1.399	-3.990	.00247	1.49468	.59838	.78819	.68688	.68247	-.18981	.00441	-.19166	.00257
1.398	-1.992	.00221	1.49324	.64624	.73640	.69183	.69131	-.09016	.00058	-.09202	-.00063
1.399	-.006	.00280	1.49317	.69567	.68533	.69176	.69357	.01034	-.00181	.00814	-.00304
1.398	2.002	.00451	1.48949	.74638	.63848	.68848	.69040	.10789	-.00192	.10561	-.00318
1.399	3.983	.00640	1.49191	.79555	.59211	.68002	.68301	.20344	-.00298	.20156	-.00431
1.399	5.975	.00987	1.48333	.84494	.54644	.66898	.67135	.29849	-.00237	.29629	-.00372
	GRADIENT	.00051	-.00047	.02480	-.02458	-.00086	.00001	.04938	-.00087	.04935	-.00082

RUN NO. 375/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.450	-5.969	-.00177	1.50912	.54784	.83726	.67587	.66922	-.28943	.00666	-.29130	.00472
1.450	-3.994	-.00095	1.50761	.59370	.78617	.68447	.67794	-.19247	.00653	-.19463	.00449
1.450	-1.999	.00087	1.49939	.64074	.73618	.68984	.68223	-.09544	.00761	-.09750	.00561
1.449	-.010	-.00010	1.50239	.68799	.68682	.69149	.68533	.00117	.00616	-.00080	.00435
1.450	1.999	-.00688	1.50801	.73770	.63695	.68726	.68243	.10075	.00484	.09859	.00277
1.450	4.019	.00049	1.50461	.78938	.58816	.67918	.67529	.20121	.00389	.19935	.00200
1.450	5.987	-.00012	1.49628	.83966	.54656	.66876	.66499	.29310	.00378	.29102	.00170
	GRADIENT	-.00024	.00013	.02439	-.02473	-.00066	-.00026	.04912	-.00040	.04915	-.00039

RUN NO. 510/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.500	-5.967	-.00469	1.51613	.54643	.84216	.67496	.66678	-.29572	.00818	-.29793	.00621
1.500	-3.999	-.00136	1.52569	.59090	.78997	.68569	.68058	-.19907	.00511	-.20155	.00322
1.500	-1.982	-.00070	1.52708	.63978	.73814	.69198	.68853	-.09835	.00345	-.10099	.00158
1.500	-.029	-.00032	1.52640	.68922	.69018	.69324	.69180	-.00096	.00143	-.00347	-.00030
1.499	2.029	.00192	1.52427	.74244	.64327	.69100	.69247	.09918	-.00147	.09613	-.00315
1.499	3.976	.00184	1.52505	.78625	.59843	.67891	.68340	.18782	-.00449	.18483	-.00601
1.500	5.988	.00570	1.51593	.84210	.55586	.66782	.67279	.28624	-.00497	.28330	-.00643
	GRADIENT	.00045	-.00021	.02472	-.02394	-.00072	.00048	.04866	-.00121	.04859	-.00116

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (14R057) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 392/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.550	-5.996	-.00159	1.54879	.54659	.84547	.66893	.66338	-.29888	.00555	-.30162	.00332
1.550	-3.975	-.00618	1.55274	.59283	.79195	.67808	.67453	-.19912	.00356	-.20171	.00147
1.549	-1.997	.00316	1.56537	.63362	.74061	.68299	.68207	-.10699	.00091	-.10930	-.00090
1.550	-.001	-.00624	1.56025	.68209	.68921	.68671	.68553	-.00712	.00118	-.00937	-.00064
1.550	1.987	.00412	1.55477	.73466	.64657	.68503	.68293	.08809	.00210	.08491	.00008
1.551	4.006	-.00813	1.54940	.79169	.60507	.67796	.67532	.18662	.00264	.18374	.00060
1.550	5.984	-.00196	1.54785	.84612	.56217	.66741	.66581	.28395	.00159	.28105	-.00038
	GRADIENT	-.00015	-.00037	.02501	-.02345	.00009	.00012	.04846	-.00003	.04839	-.00004

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R057) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 305/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.600	-5.989	.00408	.29573	.27262	.28417	.05522	-.00170
.600	-3.996	.00254	.29706	.28956	.29331	.05764	-.00174
.599	-1.979	.00097	.29676	.30007	.29841	.05779	-.00219
.601	.008	-.00047	.29606	.30193	.29899	.05694	-.00127
.601	1.986	.00173	.29726	.29825	.29775	.05825	-.00163
.601	3.996	.00106	.29611	.28643	.29127	.05679	-.00192
.600	6.013	.00357	.29528	.26980	.28254	.05542	-.00050
	GRADIENT	-.00011	-.00007	-.00040	-.00024	-.00006	.00001

RUN NO. 468/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.800	-6.029	.00649	.36070	.33756	.34913	.05592	-.00136
.799	-3.972	.00359	.36434	.35552	.35993	.05693	-.00222
.800	-2.004	.00201	.36163	.36282	.36222	.05766	-.00162
.800	.020	-.00013	.36228	.36607	.36418	.05662	-.00170
.800	1.975	-.00055	.36233	.36223	.36228	.05734	-.00169
.800	4.016	-.00131	.36196	.35133	.35664	.05707	-.00103
.800	5.981	-.00277	.36044	.33616	.34830	.05534	-.00190
	GRADIENT	-.00062	-.00020	-.00046	-.00033	-.00000	.00012

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R057) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 475/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-5.971	-.00513	.42684	.40501	.41592	.05462	-.00206
.900	-3.988	-.00447	.42671	.41883	.42277	.05499	-.00170
.900	-2.008	-.00246	.42653	.42721	.42687	.05520	-.00161
.900	-.005	-.00018	.42668	.43116	.42892	.05400	-.00159
.900	1.989	.00181	.42719	.42694	.42707	.05521	-.00114
.900	4.018	.00511	.42729	.41737	.42233	.05516	-.00067
.900	5.970	.00748	.42692	.40336	.41514	.05293	-.00039
	GRADIENT	.00117	.00009	-.00017	-.00004	.00002	.00013

RUN NO. 491/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.100	-5.977	-.00032	.60860	.58815	.59837	.04900	-.00126
1.100	-4.006	.00018	.60896	.60099	.60498	.04937	-.00154
1.100	-1.977	-.00124	.60831	.60900	.60866	.04944	-.00158
1.100	.009	-.00138	.60846	.61142	.60994	.04907	-.00141
1.100	1.995	-.00168	.60893	.60805	.60849	.04978	-.00081
1.100	3.982	-.00128	.60920	.59962	.60441	.04916	-.00040
1.100	5.997	-.00338	.60849	.58645	.59747	.04775	-.00067
	GRADIENT	-.00017	.00005	-.00018	-.00006	-.00000	.00015

RUN NO. 335/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.251	-5.985	.00005	.67119	.65486	.66302	.04891	-.00154
1.251	-3.987	.00166	.67106	.66787	.66947	.04842	-.00106
1.250	-1.995	.00255	.67144	.67518	.67331	.04791	-.00076
1.251	-.008	.00363	.67177	.67761	.67469	.04729	-.00102
1.250	1.994	.00479	.67225	.67441	.67333	.04782	-.00056
1.249	4.008	.00727	.67211	.66601	.66906	.04862	-.00015
1.249	5.974	.00782	.67349	.65330	.66340	.04826	-.00027
	GRADIENT	.00067	.00015	-.00023	-.00004	.00002	.00010

RUN NO. 498/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.398	-5.964	.00292	.69575	.67367	.68471	.05068	-.00206
1.399	-3.990	.00247	.69420	.68559	.68990	.04998	-.00178
1.398	-1.992	.00221	.69225	.69220	.69223	.05035	-.00154
1.399	-.006	.00280	.69159	.69328	.69244	.04958	-.00051
1.398	2.002	.00451	.69357	.69007	.69182	.04831	-.00029
1.399	3.983	.00640	.69477	.68218	.68848	.04809	-.00028
1.399	5.975	.00987	.69680	.67084	.68382	.04729	.00059
	GRADIENT	.00051	.00012	-.00045	-.00016	-.00029	.00021

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R057) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 375/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.450	-5.969	-.00177	.69349	.67351	.68350	.04903	-.00038
1.450	-3.994	-.00095	.69101	.68223	.68662	.04883	.00041
1.450	-1.999	.00087	.68949	.68703	.68826	.04853	.00008
1.449	-.010	-.00010	.68839	.68932	.68885	.04889	-.00094
1.450	1.999	-.00688	.68841	.68588	.68714	.05021	-.00058
1.450	4.019	.00049	.68970	.67818	.68394	.04835	-.00022
1.450	5.987	-.00012	.69414	.66791	.68103	.04570	-.00012
	GRADIENT	-.00024	-.00018	-.00047	-.00032	.00004	-.00010

RUN NO. 510/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.500	-5.967	-.00469	.69540	.67186	.68363	.04877	-.00172
1.500	-3.999	-.00136	.69167	.68409	.68788	.04941	-.00113
1.500	-1.982	-.00070	.69028	.69119	.69074	.05007	-.00076
1.500	-.029	-.00032	.69095	.69339	.69217	.04966	-.00116
1.499	2.029	.00192	.69438	.69258	.69348	.04632	-.00163
1.499	3.976	.00184	.69383	.68191	.68787	.04675	-.00089
1.500	5.988	.00570	.70045	.67104	.68574	.05004	.00013
	GRADIENT	.00045	.00042	-.00014	.00014	-.00046	-.00002

RUN NO. 392/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.550	-5.996	-.00159	.69739	.66727	.68233	.05048	-.00075
1.550	-3.975	-.00618	.69368	.67735	.68552	.04737	-.00125
1.549	-1.997	.00316	.68827	.68344	.68585	.04845	-.00060
1.550	-.001	-.00624	.68678	.68703	.68690	.04909	.00042
1.550	1.987	.00412	.69221	.68499	.68860	.04765	.00039
1.551	4.006	-.00813	.69982	.67765	.68874	.04942	-.00010
1.550	5.984	-.00196	.70560	.66760	.68660	.04909	-.00069
	GRADIENT	-.00015	.00082	.00010	.00046	.00017	.00016

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R058) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.999 BETA = .000
PHI = .000

RUN NO. 487/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.969	.01168	698.70000	3.99687	1231.99001	2083.89999	1.21928	110.20000	.00000	-5.55000	-.09000
.900	-4.012	.00759	698.02800	3.99303	1230.80000	2081.89999	1.21929	110.20000	.00000	-3.64700	-.09000
.900	-2.006	.00262	697.75700	3.99552	1231.61000	2082.20001	1.21903	109.90000	.00000	-1.69800	-.09000
.900	.000	-.00050	698.37800	3.99937	1232.99001	2084.29999	1.21897	109.90000	.00000	.24800	-.08000
.900	1.996	-.00391	698.91600	4.00034	1232.78000	2084.89999	1.21920	110.00000	.00000	2.18400	-.09000
.900	3.995	-.00703	699.01400	4.00103	1233.07001	2085.29999	1.21919	110.00000	.00000	4.12600	-.09000
.901	6.004	-.00921	699.94900	4.00424	1232.66000	2086.29999	1.21957	110.00000	.00000	6.07800	-.08000
	GRADIENT	-.00179	.15640	.00104	.28542	.47471	-.00000	-.01502	.00000	.97065	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R058) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.999 BETA = .000
PHI = .000

RUN NO. 487/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-5.969	.01168	1.20789	.26691	.58442	.40386	.40397	-.31750	-.00011	-.31856	-.00097
.900	-4.012	.00759	1.21641	.32061	.53180	.41586	.41956	-.21118	-.00371	-.21234	-.00451
.900	-2.006	.00262	1.21953	.37625	.47662	.42382	.43093	-.10036	-.00710	-.10149	-.00797
.900	.000	-.00050	1.21768	.42936	.42062	.42341	.43370	.00874	-.01029	.00701	-.01138
.900	1.996	-.00391	1.21781	.48552	.36663	.41946	.43292	.11889	-.01346	.11725	-.01472
.900	3.995	-.00703	1.21290	.53973	.31185	.40889	.42454	.22788	-.01565	.22641	-.01674
.901	6.004	-.00921	1.19972	.59317	.25692	.39320	.40991	.33625	-.01671	.33493	-.01763
	GRADIENT	-.00179	-.00044	.02735	-.02747	-.00091	.00060	.05483	-.00151	.05477	-.00156

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R058) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.999 BETA = .000
PHI = .000

RUN NO. 487/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-5.969	.01168	.42619	.40435	.41527	.05389	-.00183
.900	-4.012	.00759	.42678	.41812	.42245	.05501	-.00177
.900	-2.006	.00262	.42700	.42781	.42740	.05463	-.00169
.900	.000	-.00050	.42585	.42910	.42748	.05453	-.00176
.900	1.996	-.00391	.42689	.42682	.42686	.05520	-.00141
.900	3.995	-.00703	.42652	.41726	.42189	.05418	-.00065
.901	6.004	-.00921	.42571	.40201	.41386	.05391	-.00034
	GRADIENT	-.00179	-.00003	-.00013	-.00008	-.00005	.00013

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R059) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.002 BETA = .000
PHI = .000

RUN NO. 326/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.996	.00963	700.00700	4.00689	1233.25000	2086.89999	1.21949	109.80000	.00000	-5.57700	-.04000
.901	-3.989	.00672	700.64300	4.00855	1233.34000	2087.89999	1.21967	109.90000	.00000	-3.62600	-.04000
.900	-1.983	.00404	699.22500	4.00293	1232.37000	2085.00000	1.21939	109.80000	.00000	-1.67800	-.04000
.900	-.017	.00158	698.90600	4.00020	1232.67999	2084.79999	1.21921	110.00000	.00000	.23000	-.04000
.899	2.030	.00095	697.73500	3.99776	1232.11000	2082.60001	1.21893	109.70000	.00000	2.21500	-.04000
.899	3.968	-.00081	697.54000	3.99505	1233.70000	2083.70001	1.21857	110.10000	.00000	4.09700	-.04000
.899	6.004	-.00429	697.99900	3.99922	1233.39000	2084.10001	1.21877	109.80000	.00000	6.07500	-.06000
	GRADIENT	-.00091	-.38676	-.00161	.02192	-.54379	-.00013	.01471	.00000	.97051	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R059) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.002 BETA = .000
PHI = .000

RUN NO. 326/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-5.996	.00963	1.17462	.26566	.58796	.40638	.40670	-.32230	-.00032	-.31957	-.00006
.901	-3.989	.00672	1.18569	.32143	.53452	.42006	.42292	-.21304	-.00286	-.21027	-.00233
.900	-1.983	.00404	1.18910	.37644	.47907	.42678	.43382	-.10263	-.00704	-.09989	-.00640
.900	-.017	.00158	1.18884	.42982	.42478	.42788	.43779	.00503	-.00991	.00724	-.00941
.899	2.030	.00095	1.18657	.48579	.36766	.42152	.43496	.11813	-.01345	.12021	-.01318
.899	3.968	-.00081	1.18135	.53852	.31439	.41081	.42673	.22413	-.01593	.22618	-.01574
.899	6.004	-.00429	1.16815	.59383	.25789	.39477	.41120	.33594	-.01643	.33799	-.01588
	GRADIENT	-.00091	-.00056	.02727	-.02769	-.00119	.00044	.05496	-.00163	.05485	-.00169

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R059) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.002 BETA = .000
PHI = .000

RUN NO. 326/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-5.996	.00963	.42544	.40641	.41592	.05425	-.00085
.901	-3.989	.00672	.42661	.42123	.42392	.05489	-.00170
.900	-1.983	.00404	.42639	.42998	.42819	.05471	-.00184
.900	-.017	.00158	.42620	.43259	.42939	.05480	-.00161
.899	2.030	.00095	.42569	.42811	.42690	.05503	-.00180
.899	3.968	-.00081	.42543	.41868	.42205	.05469	-.00066
.899	6.004	-.00429	.42483	.40271	.41377	.05500	.00023
	GRADIENT	-.00091	-.00015	-.00035	-.00025	-.00000	.00011

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R060) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 306/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-5.953	2.00214	497.70600	3.84727	1972.10001	2516.29999	1.09342	110.50000	.00000	6.40900	161.39000
.600	-4.001	2.00971	497.44900	3.85150	1975.59000	2519.39999	1.09318	110.20000	.00000	4.64000	153.27000
.601	-2.028	2.03585	498.87100	3.85671	1974.06000	2519.60001	1.09355	110.20000	.00000	3.07100	134.77000
.601	-.006	2.02761	498.74800	3.85150	1972.57001	2518.00000	1.09360	110.60000	.00000	2.25100	90.25000
.600	1.999	2.00715	497.33600	3.84925	1974.50000	2518.20001	1.09322	110.30000	.00000	3.03000	45.32000
.599	4.013	2.00323	495.37000	3.83874	1971.47000	2512.89999	1.09296	110.20000	.00000	4.64600	26.61000
.599	6.031	2.00672	496.29800	3.84432	1974.23000	2516.70001	1.09303	110.30000	.00000	6.48200	18.45000
	GRADIENT	-.00209	-.28486	-.00165	-.38872	-.71900	-.00004	.00497	.00000	-.00059	-17.09571

RUN NO. 469/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-5.961	1.99814	627.43800	3.88569	1399.24001	2133.70001	1.17057	110.20000	.00000	6.38000	161.45000
.799	-3.961	1.97760	626.03600	3.88168	1400.87000	2133.29999	1.16993	110.20000	.00000	4.56600	153.42000
.799	-1.989	1.99387	626.53700	3.88154	1400.46001	2133.60001	1.17015	110.40000	.00000	2.99800	134.79000
.800	.012	2.03452	627.13800	3.88567	1400.44000	2134.39999	1.17033	110.20000	.00000	2.24500	89.69000
.800	2.011	2.00670	627.16900	3.88424	1399.74001	2133.79999	1.17043	110.30000	.00000	3.02100	45.10000
.800	3.988	1.94608	626.91300	3.88303	1400.45000	2134.10001	1.17026	110.40000	.00000	4.57300	26.07000
.800	6.012	2.02251	626.77400	3.88499	1399.46001	2133.00000	1.17034	110.00000	.00000	6.43200	18.62000
	GRADIENT	-.00252	.11994	.00027	-.07851	.09041	.00005	.01502	.00000	.00196	-17.31548

RUN NO. 477/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.974	1.99467	698.95700	3.99928	1232.48000	2084.70001	1.21926	110.10000	.00000	6.36000	161.55000
.900	-4.013	2.02171	698.62500	3.99984	1233.38000	2085.00000	1.21898	110.00000	.00000	4.60700	153.24000
.900	-2.005	2.00754	699.00400	3.99908	1232.97000	2085.20001	1.21919	110.20000	.00000	3.00400	134.84000
.899	.013	2.00887	698.56500	3.99790	1233.48000	2085.00000	1.21896	110.20000	.00000	2.21000	89.59000
.900	2.043	1.92402	698.77000	3.99082	1231.98000	2084.00000	1.21931	110.90000	.00000	2.97600	43.40000
.900	3.973	1.94906	697.89600	3.99064	1231.60001	2082.39999	1.21909	110.50000	.00000	4.54300	26.16000
.900	5.994	2.02814	698.48400	3.99340	1231.19000	2082.89999	1.21936	110.40000	.00000	6.39000	18.70000
	GRADIENT	-.01147	-.08384	-.00133	-.22707	-.31852	.00002	.08540	.00000	-.00976	-17.27867

RUN NO. 492/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-5.962	2.01992	761.04900	3.88029	898.42000	1918.39999	1.33752	110.50000	.00000	6.30500	161.32000
1.100	-4.002	2.00723	760.60200	3.87482	898.22900	1917.50000	1.33739	110.90000	.00000	4.55600	153.37000
1.100	-2.001	2.01014	760.25300	3.87374	897.63800	1916.50000	1.33745	110.80000	.00000	2.98100	134.77000
1.100	.016	2.07320	759.38000	3.87090	896.46100	1914.20000	1.33751	110.60000	.00000	2.25700	89.53000
1.100	2.004	1.99088	759.51300	3.87392	897.15400	1914.89999	1.33731	110.40000	.00000	2.97300	44.90000
1.099	3.980	1.94401	760.98700	3.87834	899.31500	1918.89999	1.33715	110.80000	.00000	4.51400	26.05000
1.100	6.015	2.03932	760.85500	3.87944	898.32400	1918.00000	1.33746	110.50000	.00000	6.36300	18.72000
	GRADIENT	-.00725	.00069	.00036	.08329	.05786	-.00003	-.03023	.00000	-.00570	-17.25633

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R060) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 336/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-5.961	1.98251	807.54700	3.89450	738.13700	1912.39999	1.42340	110.50000	.00000	6.29200	161.63000
1.251	-3.954	1.98206	807.96000	3.89652	737.63700	1913.00000	1.42379	110.40000	.00000	4.50300	153.40000
1.250	-1.961	1.93463	807.67100	3.89647	738.72900	1912.89999	1.42319	110.40000	.00000	2.90000	135.31000
1.250	-.006	2.04059	807.51100	3.89744	738.53300	1912.50000	1.42321	110.20000	.00000	2.22000	90.14000
1.250	2.022	2.01687	807.67100	3.89557	738.72900	1912.89999	1.42319	110.50000	.00000	2.99600	44.93000
1.250	3.981	1.97302	807.56200	3.89585	738.53200	1912.60001	1.42323	110.40000	.00000	4.52000	26.31000
1.250	6.019	2.01272	807.12600	3.89605	737.74600	1911.39999	1.42341	110.10000	.00000	6.35100	18.42000
	GRADIENT	.00321	-.03999	-.00011	.09030	-.04002	-.00006	.00520	.00000	.00673	-17.35921

RUN NO. 499/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.398	-6.031	2.01094	762.52400	3.55225	557.23500	1768.70000	1.49284	110.20000	.00000	6.38000	161.56000
1.399	-3.960	1.98673	762.45600	3.54960	556.34700	1768.50000	1.49328	110.40000	.00000	4.52200	153.31000
1.399	-1.966	1.97322	760.12300	3.53976	554.88900	1763.10001	1.49315	110.30000	.00000	2.93900	134.70000
1.399	.013	1.93780	762.05900	3.54230	556.45000	1767.60001	1.49307	111.10000	.00000	2.13100	89.46000
1.399	2.005	1.99375	761.75900	3.54414	556.15600	1766.89999	1.49312	110.70000	.00000	2.98100	44.84000
1.399	4.038	2.01992	761.45300	3.54537	556.15900	1766.20000	1.49300	110.40000	.00000	4.60700	26.52000
1.399	6.008	1.99379	761.80700	3.54418	555.95800	1767.00000	1.49324	110.70000	.00000	6.35800	18.30000
	GRADIENT	.00438	-.01884	-.00020	.04441	-.04079	-.00003	.01966	.00000	.01194	-17.19171

RUN NO. 378/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-5.981	2.00115	757.64200	3.50311	515.03200	1758.60001	1.51355	109.80000	.00000	6.33500	161.53000
1.450	-3.970	2.01168	757.45000	3.50279	514.54100	1758.20000	1.51374	109.70000	.00000	4.54400	153.16000
1.451	-1.985	1.99788	757.12900	3.50185	513.95100	1757.50000	1.51394	109.60000	.00000	2.97100	134.70000
1.449	.015	2.02906	757.90600	3.50115	515.32600	1759.20000	1.51349	110.20000	.00000	2.22100	89.56000
1.450	1.969	1.90944	757.98500	3.49976	515.22700	1759.39999	1.51357	110.40000	.00000	2.90100	44.24000
1.450	3.983	1.99259	757.33600	3.49755	514.73900	1757.89999	1.51360	110.30000	.00000	4.54900	26.59000
1.450	5.974	2.00322	758.67000	3.50287	515.61500	1761.00000	1.51360	110.40000	.00000	6.33100	18.52000
	GRADIENT	-.00632	.03149	-.00063	.08416	.06514	-.00003	.10065	.00000	-.00290	-17.29398

RUN NO. 511/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-5.993	1.99747	719.80400	3.30013	456.79300	1677.80000	1.53237	110.60000	.00000	6.35700	161.58000
1.500	-3.979	1.99835	718.03600	3.29527	455.92000	1673.60001	1.53222	110.20000	.00000	4.55500	153.31000
1.500	-2.030	2.03421	720.12700	3.30037	457.48200	1678.39999	1.53209	110.80000	.00000	3.03200	134.80000
1.500	.015	1.94257	719.20000	3.29986	456.70000	1676.30000	1.53220	110.30000	.00000	2.14200	89.53000
1.500	2.038	1.92212	718.13900	3.29351	456.11700	1673.80000	1.53214	110.50000	.00000	2.96300	43.41000
1.501	3.979	1.94037	718.27500	3.29531	455.62100	1674.30000	1.53249	110.30000	.00000	4.53200	26.02000
1.499	6.030	2.03533	719.02700	3.29463	456.90000	1675.80000	1.53201	110.90000	.00000	6.40500	18.66000
	GRADIENT	-.01149	-.07720	-.00034	-.09910	-.16399	.00003	-.00532	.00000	-.00636	-17.33557

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R060) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 395/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.549	-5.959	1.98829	689.82500	3.15279	410.93000	1619.20000	1.54893	109.90000	.00000	6.33400	161.54000
1.550	-4.017	2.00446	689.83400	3.15233	410.03600	1619.70000	1.54949	109.90000	.00000	4.59800	153.45000
1.550	-2.004	2.02172	689.34500	3.15242	409.84300	1618.50000	1.54942	109.60000	.00000	3.01100	134.60000
1.550	.011	2.00565	689.68200	3.14941	409.83900	1619.39999	1.54956	110.20000	.00000	2.20600	89.57000
1.549	2.011	2.01225	689.38700	3.14687	410.24000	1618.39999	1.54920	110.40000	.00000	3.00900	45.10000
1.550	4.030	1.99424	690.08100	3.15210	410.33100	1620.20000	1.54940	110.10000	.00000	4.60500	26.46000
1.551	5.952	2.01589	688.75600	3.14290	409.15500	1617.30000	1.54964	110.50000	.00000	6.33600	18.67000
	GRADIENT	-.00149	.02671	-.00030	.04904	.04491	-.00002	.05964	.00000	.00053	-17.07936

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R060) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 306/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.600	-5.953	2.00214	1.03852	.12149	.46526	.32479	.21577	-.34377	.10902	-.34285	.10847
.600	-4.001	2.00971	1.05817	.17716	.41124	.34224	.23245	-.23408	.10979	-.23285	.10892
.601	-2.028	2.03585	1.06260	.23495	.35303	.35442	.23984	-.11808	.11458	-.11650	.11364
.601	-.006	2.02761	1.06340	.29484	.29109	.36002	.24400	.00375	.11602	.00444	.11476
.600	1.999	2.00715	1.06191	.35460	.22879	.35370	.24220	.12581	.11150	.12618	.10976
.599	4.013	2.00323	1.05557	.41471	.17158	.34174	.23323	.24312	.10851	.24384	.10696
.599	6.031	2.00672	1.03547	.47080	.11268	.32199	.21692	.35812	.10506	.35873	.10370
	GRADIENT	-.00209	-.00030	.02965	-.03009	-.00009	.00019	.05975	-.00028	.05964	-.00039

RUN NO. 469/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.800	-5.961	1.99814	1.15157	.19096	.52429	.39318	.28024	-.33333	.11294	-.33296	.11169
.799	-3.961	1.97760	1.16633	.25010	.46898	.40867	.29721	-.21888	.11146	-.21901	.11045
.799	-1.989	1.99387	1.17012	.30690	.41273	.41777	.30634	-.10582	.11143	-.10605	.11055
.800	.012	2.03452	1.17020	.36393	.35338	.42159	.31038	.01055	.11120	.01001	.11037
.800	2.011	2.00670	1.16808	.42228	.29361	.41491	.30979	.12867	.10512	.12817	.10381
.800	3.988	1.94608	1.16164	.47914	.23857	.40125	.30302	.24057	.09823	.24002	.09682
.800	6.012	2.02251	1.14630	.53483	.18131	.38525	.28541	.35352	.09983	.35264	.09827
	GRADIENT	-.00252	-.00057	.02882	-.02915	-.00089	.00076	.05797	-.00165	.05791	-.00171

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R060) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 477/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-5.974	1.99467	1.20245	.26378	.58291	.45884	.34934	-.31913	.10950	-.31941	.10805
.900	-4.013	2.02171	1.21383	.31752	.53027	.47250	.36323	-.21275	.10927	-.21329	.10780
.900	-2.005	2.00754	1.21687	.37390	.47503	.47933	.37286	-.10113	.10647	-.10158	.10505
.899	.013	2.00887	1.21947	.43037	.41928	.48261	.37881	.01110	.10380	.01013	.10225
.900	2.043	1.92402	1.21568	.48501	.36084	.47383	.37941	.12417	.09442	.12312	.09297
.900	3.973	1.94906	1.21110	.53883	.30938	.46568	.37120	.22945	.09448	.22853	.09274
.900	5.994	2.02814	1.19559	.59158	.25431	.45023	.35418	.33727	.09605	.33647	.09443
	GRADIENT	-.01147	-.00033	.02766	-.02777	-.00095	.00113	.05543	-.00208	.05537	-.00211

RUN NO. 492/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.100	-5.962	2.01992	1.32306	.46365	.74784	.63733	.53929	-.28419	.09804	-.28503	.09652
1.100	-4.002	2.00723	1.33278	.51130	.70036	.64796	.55227	-.18906	.09569	-.19032	.09423
1.100	-2.001	2.01014	1.33580	.56069	.65131	.65517	.55980	-.09063	.09537	-.09180	.09379
1.100	.016	2.07320	1.33682	.61003	.60059	.65780	.56340	.00944	.09440	.00772	.09299
1.100	2.004	1.99088	1.33563	.65890	.55027	.65244	.56379	.10863	.08864	.10685	.08694
1.099	3.980	1.94401	1.33140	.70811	.50372	.64264	.55833	.20439	.08430	.20309	.08238
1.100	6.015	2.03932	1.31760	.75721	.45443	.63021	.54193	.30278	.08828	.30139	.08631
	GRADIENT	-.00725	-.00014	.02463	-.02476	-.00066	.00081	.04939	-.00148	.04935	-.00153

RUN NO. 336/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.250	-5.961	1.98251	1.37134	.52847	.81480	.69907	.61096	-.28633	.08811	-.28330	.08777
1.251	-3.954	1.98206	1.38547	.57666	.76437	.71278	.62203	-.18771	.09075	-.18461	.09072
1.250	-1.961	1.93463	1.38712	.62636	.71541	.71969	.62970	-.08905	.08999	-.08607	.08957
1.250	-.006	2.04059	1.38533	.67378	.66664	.72287	.63095	.00714	.09192	.00969	.09128
1.250	2.022	2.01687	1.38621	.72356	.61694	.71665	.63162	.10662	.08503	.10930	.08455
1.250	3.981	1.97302	1.38160	.77161	.57184	.70537	.62617	.19977	.07919	.20226	.07811
1.250	6.019	2.01272	1.36611	.82043	.52399	.69277	.61285	.29644	.07993	.29902	.07918
	GRADIENT	.00321	-.00043	.02454	-.02436	-.00090	.00051	.04889	-.00142	.04882	-.00152

RUN NO. 499/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.398	-6.031	2.01094	1.48627	.54110	.83739	.71484	.62677	-.29629	.08807	-.29783	.08657
1.399	-3.960	1.98673	1.49097	.59173	.78643	.72632	.63802	-.19470	.08830	-.19656	.08682
1.399	-1.966	1.97322	1.49162	.63925	.73797	.73506	.64434	-.09872	.09072	-.10050	.08955
1.399	.013	1.93780	1.48933	.68744	.68809	.73932	.64598	-.00066	.09334	-.00239	.09205
1.399	2.005	1.99375	1.49112	.73979	.63528	.73865	.64085	.10451	.09780	.10218	.09627
1.399	4.038	2.01992	1.48713	.79182	.58865	.73131	.63347	.20318	.09785	.20095	.09603
1.399	6.008	1.99379	1.48161	.84050	.54390	.71822	.62243	.29660	.09579	.29447	.09399
	GRADIENT	.00438	-.00041	.02508	-.02495	.00067	-.00064	.05003	.00131	.04997	.00126

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R060) (12 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 378/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.450	-5.981	2.00115	1.49685	.53995	.83297	.70845	.62662	-.29302	.08183	-.29472	.08020
1.450	-3.970	2.01168	1.50354	.58647	.78343	.71833	.63697	-.19697	.08136	-.19884	.07978
1.451	-1.985	1.99788	1.50903	.63432	.73519	.72593	.64287	-.10087	.08306	-.10271	.08163
1.449	.015	2.02906	1.50800	.68100	.68870	.73264	.64224	-.00770	.09040	-.00927	.08869
1.450	1.969	1.90944	1.50784	.73200	.63735	.73400	.63833	.09465	.09567	.09231	.09357
1.450	3.983	1.99259	1.50207	.78456	.58738	.72958	.62854	.19718	.10104	.19513	.09891
1.450	5.974	2.00322	1.49242	.83311	.54518	.72020	.61645	.28793	.10375	.28588	.10157
	GRADIENT	-.00632	-.00021	.02487	-.02467	.00154	-.00108	.04954	.00262	.04949	.00253

RUN NO. 511/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.500	-5.993	1.99747	1.51880	.54263	.83642	.71649	.62617	-.29379	.09032	-.29589	.08884
1.500	-3.979	1.99835	1.52481	.59083	.78477	.72428	.63552	-.19395	.08876	-.19634	.08706
1.500	-2.030	2.03421	1.52681	.63991	.73876	.73043	.64105	-.09885	.08938	-.10118	.08805
1.500	.015	1.94257	1.52595	.68740	.69017	.73122	.64552	-.00277	.08570	-.00523	.08433
1.500	2.038	1.92212	1.52587	.73527	.63664	.73468	.64429	.09863	.09038	.09543	.08874
1.501	3.979	1.94037	1.52071	.78342	.59365	.72758	.63543	.18977	.09215	.18679	.09045
1.499	6.030	2.03533	1.51327	.83845	.55465	.72003	.62317	.28380	.09687	.28093	.09516
	GRADIENT	-.01149	-.00046	.02404	-.02424	.00055	.00016	.04829	.00039	.04818	.00037

RUN NO. 395/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.549	-5.959	1.98829	1.55145	.54632	.84093	.71022	.62842	-.29460	.08180	-.29703	.07996
1.550	-4.017	2.00446	1.55115	.59001	.78931	.71836	.63776	-.19931	.08060	-.20148	.07876
1.550	-2.004	2.02172	1.55438	.63184	.73625	.72492	.64321	-.10441	.08171	-.10674	.07990
1.550	.011	2.00565	1.55416	.67925	.68796	.72826	.64304	-.00871	.08522	-.01092	.08331
1.549	2.011	2.01225	1.55429	.72980	.64279	.73397	.63447	.08701	.09949	.08417	.09735
1.550	4.030	1.99424	1.54900	.78571	.60253	.72903	.62779	.18319	.10124	.18035	.09900
1.551	5.952	2.01589	1.55061	.83867	.56328	.72249	.61629	.27539	.10620	.27235	.10379
	GRADIENT	-.00149	-.00022	.02434	-.02323	.00151	-.00143	.04756	.00294	.04747	.00288

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R060) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 306/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.600	-5.953	2.00214	.29291	.27056	.28173	.05572	-.00041
.600	-4.001	2.00971	.29358	.28778	.29068	.05769	.00152
.601	-2.028	2.03585	.29320	.29760	.29540	.05953	.00220
.601	-.006	2.02761	.29262	.30264	.29763	.06054	-.00144
.600	1.999	2.00715	.29150	.29881	.29516	.05987	-.00224
.599	4.013	2.00323	.29279	.28826	.29052	.05737	-.00125
.599	6.031	2.00672	.29144	.27014	.28079	.05670	-.00180
	GRADIENT	-.00209	-.00016	.00010	-.00003	-.00002	-.00050

RUN NO. 469/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.800	-5.961	1.99814	.35744	.33734	.34739	.05692	-.00075
.799	-3.961	1.97760	.35961	.35344	.35652	.05710	-.00035
.799	-1.989	1.99387	.35993	.36250	.36121	.05745	.00044
.800	.012	2.03452	.35893	.36641	.36267	.05895	-.00155
.800	2.011	2.00670	.35820	.36300	.36060	.05809	-.00435
.800	3.988	1.94608	.35913	.35284	.35598	.05575	-.00150
.800	6.012	2.02251	.35851	.33611	.34731	.05556	.00183
	GRADIENT	-.00252	-.00014	-.00004	-.00009	-.00010	-.00036

RUN NO. 477/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-5.974	1.99467	.42349	.40482	.41415	.05366	.00029
.900	-4.013	2.02171	.42417	.41860	.42139	.05497	-.00095
.900	-2.005	2.00754	.42470	.42681	.42575	.05562	-.00095
.899	.013	2.00887	.42531	.43148	.42840	.05552	-.00351
.900	2.043	1.92402	.42345	.42734	.42540	.05535	-.00285
.900	3.973	1.94906	.42457	.41931	.42194	.05391	.00107
.900	5.994	2.02814	.42334	.40302	.41318	.05315	.00071
	GRADIENT	-.01147	-.00002	.00011	.00004	-.00012	.00010

RUN NO. 492/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.100	-5.962	2.01992	.60616	.58907	.59762	.04807	-.00138
1.100	-4.002	2.00723	.60646	.60084	.60365	.04882	-.00074
1.100	-2.001	2.01014	.60659	.60827	.60743	.04930	.00016
1.100	.016	2.07320	.60617	.61131	.60874	.04973	-.00174
1.100	2.004	1.99088	.60547	.60896	.60722	.04941	-.00353
1.099	3.980	1.94401	.60657	.60144	.60401	.04834	-.00017
1.100	6.015	2.03932	.60652	.58705	.59679	.04829	.00298
	GRADIENT	-.00725	-.00005	.00010	.00003	-.00004	-.00013

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R060) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 336/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.250	-5.961	1.98251	.67012	.65518	.66265	.04906	.00220
1.251	-3.954	1.98206	.66896	.66742	.66819	.04941	.00001
1.250	-1.961	1.93463	.66940	.67491	.67215	.04916	.00044
1.250	-.006	2.04059	.66894	.67723	.67308	.04919	-.00080
1.250	2.022	2.01687	.66891	.67438	.67164	.04832	-.00441
1.250	3.981	1.97302	.67048	.66631	.66839	.04723	-.00136
1.250	6.019	2.01272	.67092	.65318	.66205	.04762	.00147
	GRADIENT	.00321	.00013	-.00014	-.00001	-.00026	-.00038

RUN NO. 499/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.398	-6.031	2.01094	.69001	.67155	.68078	.04912	-.00026
1.399	-3.960	1.98673	.69001	.68291	.68646	.04845	.00087
1.399	-1.966	1.97322	.68950	.69029	.68989	.04826	.00128
1.399	.013	1.93780	.68864	.69330	.69097	.05173	.00190
1.399	2.005	1.99375	.68870	.69051	.68961	.05104	.00126
1.399	4.038	2.01992	.69135	.68330	.68733	.04739	-.00091
1.399	6.008	1.99379	.69327	.67122	.68225	.04751	-.00109
	GRADIENT	.00438	.00010	.00004	.00007	.00003	-.00018

RUN NO. 378/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.450	-5.981	2.00115	.68731	.66835	.67783	.04725	-.00031
1.450	-3.970	2.01168	.68588	.67844	.68216	.04852	-.00001
1.451	-1.985	1.99788	.68567	.68511	.68539	.04696	.00253
1.449	.015	2.02906	.68564	.68830	.68697	.04908	.00325
1.450	1.969	1.90944	.68584	.68722	.68653	.05297	.00251
1.450	3.983	1.99259	.68700	.68013	.68356	.04815	.00212
1.450	5.974	2.00322	.69017	.66941	.67979	.04433	.00094
	GRADIENT	-.00632	.00012	.00028	.00020	.00026	.00021

RUN NO. 511/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.500	-5.993	1.99747	.69057	.67207	.68132	.04940	-.00151
1.500	-3.979	1.99835	.68899	.68076	.68488	.04951	.00037
1.500	-2.030	2.03421	.69050	.68641	.68845	.04736	-.00105
1.500	.015	1.94257	.69001	.68906	.68953	.04844	.00005
1.500	2.038	1.92212	.68756	.69031	.68893	.04896	.00197
1.501	3.979	1.94037	.69002	.68236	.68619	.04603	.00115
1.499	6.030	2.03533	.69798	.67245	.68522	.04586	.00287
	GRADIENT	-.01149	-.00005	.00036	.00016	-.00027	.00023

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R060) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 395/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.549	-5.959	1.98829	.69484	.67024	.68254	.04977	-.00098
1.550	-4.017	2.00446	.69075	.67898	.68486	.04799	.00012
1.550	-2.004	2.02172	.68521	.68497	.68509	.04706	.00032
1.550	.011	2.00565	.68470	.68660	.68565	.04769	.00536
1.549	2.011	2.01225	.68771	.68529	.68650	.04751	.00442
1.550	4.030	1.99424	.69554	.67953	.68753	.04778	.00055
1.551	5.952	2.01589	.70250	.67059	.68655	.04792	.00347
	GRADIENT	-.00149	.00060	.00007	.00034	.00000	.00025

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R061) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 307/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-5.959	4.02038	496.82300	3.84554	1978.10001	2521.10001	1.09294	110.80000	.00000	7.29700	145.92000
.600	-3.997	3.99663	495.95700	3.83834	1970.85001	2513.00000	1.09314	110.50000	.00000	5.79200	134.92000
.600	-1.981	3.96277	497.79200	3.84937	1972.10001	2516.39999	1.09343	110.30000	.00000	4.59800	116.49000
.600	-.023	3.95614	497.25800	3.85085	1974.80000	2518.39999	1.09317	110.10000	.00000	4.13700	90.36000
.599	2.003	4.07740	495.96400	3.84314	1974.64000	2516.70001	1.09294	110.30000	.00000	4.70800	63.95000
.599	4.008	4.02928	496.44800	3.84428	1973.33000	2516.00000	1.09311	110.30000	.00000	5.82200	45.25000
.600	6.047	4.03318	496.58300	3.84539	1971.83000	2514.70001	1.09319	110.10000	.00000	7.37500	33.79000
	GRADIENT	.00902	-.04228	.00028	.37374	.31379	-.00003	-.01988	.00000	.00901	-11.59571

RUN NO. 470/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.040	4.03233	627.13700	3.88449	1399.25000	2133.29999	1.17048	110.20000	.00000	7.32700	146.24000
.800	-4.010	4.00471	626.97500	3.88396	1400.25000	2134.00000	1.17029	110.30000	.00000	5.77200	135.00000
.800	-2.007	3.94419	627.01200	3.88439	1399.64999	2133.50000	1.17039	110.20000	.00000	4.56600	116.93000
.800	-.039	3.97388	626.74300	3.88206	1400.14999	2133.60001	1.17026	110.40000	.00000	4.12900	90.61000
.799	1.988	4.06402	626.70700	3.88163	1400.75000	2134.10001	1.17016	110.50000	.00000	4.66200	64.03000
.800	3.997	4.01024	627.11900	3.88181	1400.14000	2134.10001	1.17035	110.60000	.00000	5.76600	45.18000
.800	6.020	4.01603	627.01900	3.88189	1399.75000	2133.60001	1.17038	110.50000	.00000	7.29900	33.78000
	GRADIENT	.00655	-.00067	-.00035	.04392	.04017	-.00000	.04497	.00000	.00495	-11.62127

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R061) (05 DEC 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 478/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.042	4.07301	698.41900	3.99922	1232.69000	2084.10001	1.21905	109.90000	.00000	7.31200	146.00000
.900	-4.005	4.01142	699.04300	3.99874	1233.37000	2085.60001	1.21914	110.30000	.00000	5.74400	134.93000
.900	-2.008	3.94778	699.13200	4.00200	1233.57001	2085.89999	1.21911	110.00000	.00000	4.54500	116.92000
.899	-.039	3.94590	698.70200	3.99915	1234.17999	2085.79999	1.21886	110.20000	.00000	4.08000	90.58000
.900	1.990	4.06466	699.25100	3.99864	1233.37000	2085.89999	1.21919	110.40000	.00000	4.64000	63.97000
.900	4.016	4.02500	699.14400	3.99691	1232.97000	2085.39999	1.21925	110.50000	.00000	5.76200	45.10000
.900	6.050	4.04031	698.66900	3.99445	1232.38000	2084.20001	1.21920	110.50000	.00000	7.30200	33.76000
	GRADIENT	.00723	.01630	-.00035	-.05065	-.02020	.00002	.04003	.00000	.00777	-11.60683

RUN NO. 493/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.099	-6.035	4.04047	759.91900	3.87377	898.04100	1916.20000	1.33715	110.70000	.00000	7.22700	146.23000
1.100	-3.964	3.94772	760.23400	3.87356	897.54000	1916.39999	1.33748	110.80000	.00000	5.62600	135.14000
1.100	-2.014	3.94308	759.34100	3.87174	896.56100	1914.20000	1.33746	110.50000	.00000	4.50700	117.05000
1.100	.006	4.00996	759.49600	3.87255	896.75700	1914.60001	1.33746	110.50000	.00000	4.10800	89.92000
1.100	1.993	4.06692	759.67100	3.87588	896.75400	1914.89999	1.33753	110.20000	.00000	4.60600	63.93000
1.099	3.993	4.02135	759.72300	3.87500	898.24300	1916.00000	1.33698	110.50000	.00000	5.69800	45.21000
1.100	5.991	3.99374	760.13400	3.87449	897.93800	1916.50000	1.33729	110.70000	.00000	7.17100	33.68000
	GRADIENT	.01362	-.03429	.00035	.08095	-.00378	-.00005	-.04503	.00000	.01283	-11.69768

RUN NO. 337/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.249	-5.991	3.99525	808.71000	3.90270	740.00200	1915.50000	1.42305	110.30000	.00000	7.16700	146.34000
1.250	-4.006	4.01047	808.46300	3.90035	739.51100	1914.80000	1.42317	110.40000	.00000	5.69400	135.02000
1.250	-1.986	3.95277	808.34600	3.89860	739.11600	1914.39999	1.42329	110.50000	.00000	4.49800	116.69000
1.250	-.037	3.96032	807.92500	3.89926	738.72600	1913.39999	1.42329	110.20000	.00000	4.05400	90.54000
1.250	1.991	4.07236	807.57600	3.89741	738.23500	1912.50000	1.42338	110.20000	.00000	4.60200	63.95000
1.250	4.032	4.04112	807.64200	3.89716	738.63000	1912.80000	1.42322	110.30000	.00000	5.73000	45.03000
1.249	6.026	4.00560	808.47000	3.90125	740.40100	1915.20000	1.42277	110.40000	.00000	7.19700	33.58000
	GRADIENT	.00903	-.12002	-.00038	-.13137	-.29352	.00001	-.02469	.00000	.01000	-11.60125

RUN NO. 500/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.397	-6.045	4.03792	762.33300	3.55121	557.92700	1768.30000	1.49241	110.30000	.00000	7.25300	146.24000
1.398	-4.000	4.01193	762.52800	3.55046	557.03700	1768.70000	1.49295	110.40000	.00000	5.70800	134.88000
1.399	-2.007	3.94880	763.09200	3.55215	557.32800	1770.00000	1.49301	110.50000	.00000	4.52000	116.87000
1.399	-.002	3.96251	762.57900	3.54959	556.74100	1768.80000	1.49312	110.50000	.00000	4.07300	89.98000
1.399	1.968	3.92504	762.15700	3.54890	555.95500	1767.80000	1.49337	110.30000	.00000	4.48500	63.34000
1.398	3.960	3.97745	761.57300	3.54544	556.65200	1766.50000	1.49278	110.50000	.00000	5.66000	45.09000
1.398	6.023	4.01812	760.96800	3.54266	556.26300	1765.10001	1.49275	110.50000	.00000	7.22800	33.68000
	GRADIENT	-.00466	-.14287	-.00067	-.10766	-.33144	.00000	.00004	.00000	-.00697	-11.71551

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R061) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 377/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.449	-5.979	4.00633	757.52700	3.49461	515.23100	1758.30000	1.51340	110.80000	.00000	7.18800	146.17000
1.450	-4.003	4.00094	757.46600	3.49571	514.83600	1758.20000	1.51359	110.60000	.00000	5.70700	135.02000
1.450	-1.968	3.94524	759.59400	3.50273	515.80400	1763.20000	1.51384	110.90000	.00000	4.50300	116.49000
1.450	-.032	3.95275	758.24400	3.49771	515.42200	1760.00000	1.51356	110.80000	.00000	4.06600	90.46000
1.450	1.994	4.07674	756.77100	3.49079	514.25100	1756.60001	1.51365	110.80000	.00000	4.62900	63.98000
1.450	3.994	4.01755	756.94700	3.49165	514.44700	1757.00000	1.51361	110.80000	.00000	5.71200	45.18000
1.451	5.981	3.98328	757.38800	3.49979	514.14600	1758.10001	1.51393	110.00000	.00000	7.17800	33.69000
	GRADIENT	.00825	-.19249	-.00100	-.11655	-.44864	-.00001	.01516	.00000	.00702	-11.63218

RUN NO. 512/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.011	4.06735	719.00500	3.30428	456.40500	1675.89999	1.53229	109.60000	.00000	7.26100	145.90000
1.500	-3.954	3.94489	718.73100	3.30295	456.11100	1675.30000	1.53237	109.60000	.00000	5.64700	135.04000
1.500	-2.003	3.95243	718.31200	3.29874	455.91700	1674.30000	1.53232	109.90000	.00000	4.53400	116.82000
1.500	-.045	3.95655	719.59200	3.30169	456.99300	1677.20000	1.53217	110.30000	.00000	4.07900	90.64000
1.499	1.995	4.06678	718.85700	3.29694	456.80200	1675.39999	1.53201	110.50000	.00000	4.63000	63.91000
1.500	3.993	4.01280	717.89300	3.29686	455.72400	1673.30000	1.53228	109.90000	.00000	5.72000	45.16000
1.500	6.034	4.02135	719.21500	3.30290	456.50200	1676.39999	1.53232	109.90000	.00000	7.25600	33.68000
	GRADIENT	.01262	-.05799	-.00070	.00469	-.14836	-.00002	.05983	.00000	.01393	-11.69888

RUN NO. 394/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.551	-6.014	4.01163	690.60400	3.15433	410.32500	1621.60001	1.54959	110.10000	.00000	7.24500	146.30000
1.550	-3.956	3.94646	689.96900	3.15236	410.33200	1619.89999	1.54936	110.00000	.00000	5.65900	135.00000
1.550	-1.989	3.93719	688.72400	3.14518	409.55200	1617.00000	1.54938	110.20000	.00000	4.52300	116.80000
1.550	.004	4.04698	689.25300	3.14763	409.94300	1618.20000	1.54934	110.20000	.00000	4.17300	90.04000
1.550	2.016	4.02614	689.21300	3.14736	409.74500	1618.20000	1.54944	110.20000	.00000	4.61100	63.46000
1.550	4.023	4.05927	689.64900	3.15244	410.23700	1619.10001	1.54930	109.80000	.00000	5.78000	45.22000
1.550	6.023	3.99149	689.98600	3.15239	410.23300	1620.00000	1.54942	110.00000	.00000	7.24200	33.61000
	GRADIENT	.01575	-.00699	.00012	.00051	-.01871	-.00000	-.02023	.00000	.01747	-11.66787

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R061) (12 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 307/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-5.959	4.02038	1.02163	.11156	.45124	.38323	.15792	-.33968	.22531	-.33872	.22467
.600	-3.997	3.99663	1.04301	.16807	.39711	.40110	.17485	-.22904	.22624	-.22793	.22539
.600	-1.981	3.96277	1.05224	.22760	.33776	.41198	.18506	-.11016	.22692	-.10871	.22613
.600	-.023	3.95614	1.05596	.28568	.27936	.41526	.18902	.00633	.22624	.00683	.22512
.599	2.003	4.07740	1.05288	.34315	.21915	.41591	.18119	.12400	.23472	.12448	.23351
.599	4.008	4.02928	1.03905	.40102	.16238	.40052	.17346	.23864	.22705	.23889	.22521
.600	6.047	4.03318	1.01407	.45552	.10414	.38046	.15784	.35138	.22262	.35178	.22088
	GRADIENT	.00902	-.00037	.02908	-.02941	.00013	-.00034	.05849	.00047	.05836	.00035

RUN NO. 470/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.800	-6.040	4.03233	1.13506	.18008	.51258	.45147	.22276	-.33249	.22871	-.33240	.22761
.800	-4.010	4.00471	1.15314	.23983	.45701	.46613	.23939	-.21717	.22674	-.21767	.22558
.800	-2.007	3.94419	1.16160	.29838	.40018	.47313	.25149	-.10180	.22171	-.10218	.22070
.800	-.039	3.97388	1.16401	.35462	.34322	.47643	.25489	.01140	.22154	.01091	.22043
.799	1.988	4.06402	1.16099	.41165	.28490	.47328	.25132	.12675	.22196	.12635	.22055
.800	3.997	4.01024	1.15127	.46932	.22925	.46089	.24337	.24007	.21752	.23955	.21593
.800	6.020	4.01603	1.13189	.52511	.17279	.44272	.22781	.35232	.21491	.35156	.21326
	GRADIENT	.00655	-.00022	.02860	-.02853	-.00053	.00038	.05713	-.00091	.05712	-.00097

RUN NO. 478/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-6.042	4.07301	1.18805	.25466	.57307	.51473	.29330	-.31842	.22143	-.31907	.21998
.900	-4.005	4.01142	1.20389	.31179	.51808	.52676	.31043	-.20629	.21633	-.20666	.21505
.900	-2.008	3.94778	1.21086	.36670	.46352	.53338	.32132	-.09682	.21207	-.09739	.21078
.899	-.039	3.94590	1.21423	.42142	.40971	.53559	.32528	.01171	.21031	.01061	.20884
.900	1.990	4.06466	1.20907	.47517	.35256	.53329	.32074	.12261	.21255	.12166	.21104
.900	4.016	4.02500	1.20082	.53123	.29919	.52136	.31344	.23204	.20792	.23091	.20608
.900	6.050	4.04031	1.18473	.58495	.24609	.50553	.29906	.33886	.20647	.33774	.20434
	GRADIENT	.00723	-.00040	.02731	-.02738	-.00055	.00026	.05470	-.00081	.05460	-.00088

RUN NO. 493/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.099	-6.035	4.04047	1.31120	.45499	.74043	.68746	.49090	-.28544	.19657	-.28653	.19507
1.100	-3.964	3.94772	1.32422	.50630	.68993	.69638	.50558	-.18363	.19079	-.18472	.18949
1.100	-2.014	3.94308	1.33059	.55390	.64130	.70303	.51327	-.08740	.18975	-.08849	.18802
1.100	.006	4.00996	1.33202	.60398	.59118	.70612	.51521	.01280	.19091	.01108	.18898
1.100	1.993	4.06692	1.32905	.65194	.54226	.70309	.51270	.10968	.19039	.10815	.18836
1.099	3.993	4.02135	1.32292	.70146	.49574	.69386	.50700	.20573	.18686	.20427	.18493
1.100	5.991	3.99374	1.30842	.74988	.44929	.67939	.49519	.30059	.18420	.29941	.18241
	GRADIENT	.01362	-.00021	.02452	-.02447	-.00025	.00011	.04898	-.00036	.04892	-.00044

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R061) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 337/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.249	-5.991	3.99525	1.35756	.52088	.80602	.74939	.56363	-.28513	.18576	-.28199	.18581
1.250	-4.006	4.01047	1.37165	.56945	.75537	.76345	.57359	-.18591	.18986	-.18301	.18974
1.250	-1.986	3.95277	1.38164	.61967	.70605	.76918	.58188	-.08637	.18729	-.08344	.18709
1.250	-.037	3.96032	1.38235	.66704	.65707	.76979	.58499	.00996	.18479	.01245	.18440
1.250	1.991	4.07236	1.37860	.71574	.60901	.76696	.58151	.10673	.18544	.10915	.18499
1.250	4.032	4.04112	1.36891	.76478	.56255	.75620	.57538	.20224	.18082	.20493	.18024
1.249	6.026	4.00560	1.35317	.81410	.51744	.74107	.56515	.29666	.17592	.29942	.17561
	GRADIENT	.00903	-.00043	.02427	-.02407	-.00084	.00015	.04834	-.00099	.04829	-.00105

RUN NO. 500/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.397	-6.045	4.03792	1.47870	.53590	.82831	.76636	.57816	-.29241	.18821	-.29375	.18680
1.398	-4.000	4.01193	1.48457	.58319	.77814	.77794	.58860	-.19495	.18933	-.19663	.18780
1.399	-2.007	3.94880	1.48879	.63260	.73030	.78511	.59664	-.09770	.18847	-.09953	.18697
1.399	-.002	3.96251	1.49243	.68201	.68037	.79039	.59798	.00164	.19241	-.00038	.19080
1.399	1.968	3.92504	1.48769	.73079	.63090	.78616	.59459	.09989	.19156	.09737	.18967
1.398	3.960	3.97745	1.48159	.78029	.58439	.78021	.58598	.19590	.19423	.19378	.19223
1.398	6.023	4.01812	1.47381	.83097	.53734	.76840	.57377	.29364	.19464	.29152	.19272
	GRADIENT	-.00466	-.00035	.02475	-.02447	.00028	-.00036	.04922	.00065	.04914	.00058

RUN NO. 377/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.449	-5.979	4.00633	1.48711	.53514	.82615	.76044	.57691	-.29101	.18353	-.29250	.18208
1.450	-4.003	4.00094	1.49938	.57912	.77767	.77080	.58595	-.19855	.18485	-.20018	.18343
1.450	-1.968	3.94524	1.50104	.62781	.72784	.77812	.59201	-.10004	.18611	-.10182	.18446
1.450	-.032	3.95275	1.50491	.67411	.68157	.78355	.59280	-.00746	.19075	-.00900	.18888
1.450	1.994	4.07674	1.50147	.72323	.63053	.78528	.58539	.09270	.19989	.09034	.19796
1.450	3.994	4.01755	1.49626	.77444	.58275	.78042	.58010	.19169	.20033	.18982	.19822
1.451	5.981	3.98328	1.48275	.82446	.54018	.76979	.57027	.28427	.19951	.28206	.19731
	GRADIENT	.00825	-.00029	.02436	-.02441	.00132	-.00092	.04877	.00224	.04872	.00216

RUN NO. 512/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.500	-6.011	4.06735	1.51178	.53633	.83126	.76917	.57677	-.29494	.19239	-.29742	.19077
1.500	-3.954	3.94489	1.52027	.58551	.77973	.77337	.58913	-.19422	.18424	-.19640	.18262
1.500	-2.003	3.95243	1.52269	.63324	.73135	.77912	.59453	-.09811	.18459	-.10058	.18305
1.500	-.045	3.95655	1.52640	.68061	.68210	.78168	.59742	-.00150	.18426	-.00378	.18247
1.499	1.995	4.06678	1.52232	.72993	.63199	.78663	.59182	.09794	.19481	.09489	.19285
1.500	3.993	4.01280	1.51691	.77893	.58941	.78159	.58499	.18953	.19660	.18689	.19452
1.500	6.034	4.02135	1.50597	.83154	.54882	.77235	.57370	.28272	.19865	.27992	.19646
	GRADIENT	.01262	-.00036	.02431	-.02413	.00120	-.00056	.04844	.00176	.04836	.00170

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R061) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 394/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.551	-6.014	4.01163	1.54943	.53786	.83302	.76056	.57650	-.29516	.18406	-.29754	.18230
1.550	-3.956	3.94646	1.54872	.58210	.78127	.77099	.59099	-.19917	.18000	-.20115	.17778
1.550	-1.989	3.93719	1.55175	.62836	.73123	.77841	.59942	-.10287	.17899	-.10528	.17666
1.550	.004	4.04698	1.55138	.67402	.68245	.78797	.59673	-.00844	.19124	-.01061	.18896
1.550	2.016	4.02614	1.55013	.72473	.63688	.78828	.59228	.08785	.19600	.08513	.19373
1.550	4.023	4.05927	1.54756	.77693	.59618	.78384	.58137	.18076	.20247	.17803	.20004
1.550	6.023	3.99149	1.54894	.82916	.55506	.77228	.57015	.27410	.20213	.27108	.19994
	GRADIENT	.01575	-.00020	.02435	-.02327	.00178	-.00133	.04762	.00311	.04753	.00309

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R061) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 307/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-5.959	4.02038	.28092	.27089	.27591	.05575	.00017
.600	-3.997	3.99663	.28204	.28840	.28522	.05787	.00076
.600	-1.981	3.96277	.28195	.29892	.29044	.05951	-.00102
.600	-.023	3.95614	.28227	.30270	.29248	.05852	.00282
.599	2.003	4.07740	.28091	.29915	.29003	.05767	.00042
.599	4.008	4.02928	.28157	.28791	.28474	.05617	-.00460
.600	6.047	4.03318	.27963	.27002	.27482	.05498	-.00089
	GRADIENT	.00902	-.00010	-.00004	-.00007	-.00026	-.00047

RUN NO. 470/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.800	-6.040	4.03233	.34629	.33766	.34197	.05619	-.00046
.800	-4.010	4.00471	.34867	.35334	.35100	.05714	-.00208
.800	-2.007	3.94419	.34947	.36285	.35616	.05777	-.00157
.800	-.039	3.97388	.34916	.36622	.35769	.05720	.00066
.799	1.988	4.06402	.34848	.36300	.35574	.05670	-.00131
.800	3.997	4.01024	.34955	.35292	.35124	.05584	-.00217
.800	6.020	4.01603	.34933	.33609	.34271	.05517	-.00090
	GRADIENT	.00655	.00004	-.00004	-.00000	-.00018	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R061) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 478/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-6.042	4.07301	.41420	.40474	.40947	.05532	-.00247
.900	-4.005	4.01142	.41511	.41924	.41718	.05492	-.00231
.900	-2.008	3.94778	.41539	.42799	.42169	.05473	-.00194
.899	-.039	3.94590	.41612	.43117	.42364	.05489	.00070
.900	1.990	4.06466	.41434	.42777	.42106	.05447	-.00063
.900	4.016	4.02500	.41578	.41832	.41705	.05316	-.00229
.900	6.050	4.04031	.41607	.40336	.40971	.05222	-.00014
	GRADIENT	.00723	.00001	-.00011	-.00005	-.00019	.00007

RUN NO. 493/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.099	-6.035	4.04047	.59826	.58993	.59409	.04910	-.00313
1.100	-3.964	3.94772	.59866	.60163	.60015	.04927	-.00182
1.100	-2.014	3.94308	.59814	.60902	.60358	.04938	.00014
1.100	.006	4.00996	.59844	.61163	.60503	.04914	.00038
1.100	1.993	4.06692	.59786	.60891	.60339	.04846	-.00120
1.099	3.993	4.02135	.59933	.60139	.60036	.04775	-.00167
1.100	5.991	3.99374	.60018	.58819	.59418	.04754	-.00106
	GRADIENT	.01362	.00005	-.00003	.00001	-.00020	-.00005

RUN NO. 337/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.249	-5.991	3.99525	.66188	.65648	.65918	.05004	.00281
1.250	-4.006	4.01047	.66097	.66857	.66477	.04952	.00033
1.250	-1.986	3.95277	.66139	.67563	.66851	.04934	-.00207
1.250	-.037	3.96032	.66081	.67759	.66920	.04858	-.00012
1.250	1.991	4.07236	.66116	.67446	.66781	.04704	-.00080
1.250	4.032	4.04112	.66232	.66608	.66420	.04710	-.00276
1.249	6.026	4.00560	.66439	.65326	.65882	.04756	-.00211
	GRADIENT	.00903	.00012	-.00031	-.00010	-.00036	-.00025

RUN NO. 500/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.397	-6.045	4.03792	.68277	.67296	.67787	.04720	.00097
1.398	-4.000	4.01193	.68150	.68404	.68277	.04807	-.00046
1.399	-2.007	3.94880	.68236	.69163	.68699	.04918	.00105
1.399	-.002	3.96251	.68220	.69498	.68859	.04971	.00071
1.399	1.968	3.92504	.68210	.69132	.68671	.04914	.00005
1.398	3.960	3.97745	.68341	.68409	.68375	.04776	.00120
1.398	6.023	4.01812	.68521	.67204	.67863	.04720	-.00025
	GRADIENT	-.00466	.00018	-.00001	.00009	-.00003	.00012

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R061) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 377/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.449	-5.979	4.00633	.68138	.66940	.67539	.04627	.00080
1.450	-4.003	4.00094	.67920	.67908	.67914	.04765	.00046
1.450	-1.968	3.94524	.67872	.68589	.68230	.04823	.00095
1.450	-.032	3.95275	.67861	.68911	.68386	.04817	.00415
1.450	1.994	4.07674	.67806	.68630	.68218	.04999	.00261
1.450	3.994	4.01755	.67953	.68132	.68042	.04826	-.00083
1.451	5.981	3.98328	.68342	.67113	.67728	.04550	-.00027
	GRADIENT	.00825	-.00000	.00024	.00012	.00015	-.00005

RUN NO. 512/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.500	-6.011	4.06735	.68504	.67378	.67941	.04915	-.00527
1.500	-3.954	3.94489	.68370	.68205	.68288	.04903	-.00134
1.500	-2.003	3.95243	.68353	.68759	.68556	.04934	-.00040
1.500	-.045	3.95655	.68250	.69044	.68647	.04925	.00270
1.499	1.995	4.06678	.68248	.69021	.68634	.04712	.00373
1.500	3.993	4.01280	.68549	.68433	.68491	.04555	.00005
1.500	6.034	4.02135	.69158	.67412	.68285	.04557	.00140
	GRADIENT	.01262	.00013	.00035	.00024	-.00046	.00034

RUN NO. 394/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.551	-6.014	4.01163	.68663	.66941	.67802	.04623	-.00207
1.550	-3.956	3.94646	.68267	.68210	.68239	.04808	-.00245
1.550	-1.989	3.93719	.68100	.69008	.68554	.04828	.00356
1.550	.004	4.04698	.67932	.69349	.68641	.04748	.00492
1.550	2.016	4.02614	.68217	.69141	.68679	.04700	.00241
1.550	4.023	4.05927	.68792	.68382	.68587	.04620	.00198
1.550	6.023	3.99149	.69362	.67231	.68297	.04665	-.00106
	GRADIENT	.01575	.00059	.00023	.00041	-.00025	.00038

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R062) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.997 BETA = 4.000
PHI = .000

RUN NO. 330/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.979	4.00773	698.66200	3.99902	1231.59000	2083.50000	1.21933	109.90000	.00000	7.22700	146.19000
.900	-3.995	4.01168	698.05400	3.99663	1231.80000	2082.79999	1.21909	109.90000	.00000	5.73700	134.90000
.900	-2.019	3.97196	698.49100	3.99877	1231.99001	2083.60001	1.21920	109.90000	.00000	4.56900	116.95000
.899	-.047	3.94567	697.60500	3.99375	1232.21001	2082.50000	1.21887	110.10000	.00000	4.07700	90.73000
.900	1.984	4.04721	698.36200	3.99657	1232.09000	2083.50000	1.21915	110.10000	.00000	4.61800	63.95000
.900	4.034	4.05249	698.54200	3.99876	1231.78999	2083.50000	1.21927	109.90000	.00000	5.78900	45.17000
.899	6.017	4.00274	697.66900	3.99635	1233.60001	2083.79999	1.21863	110.00000	.00000	7.25200	33.65000
	GRADIENT	.00790	.04286	.00008	.00347	.06529	.00002	.00971	.00000	.00973	-11.58675

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R062) (12 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.997 BETA = 4.000
PHI = .000

RUN NO. 330/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-5.979	4.00773	1.15200	.25496	.57341	.51517	.29849	-.31845	.21668	-.31623	.21666
.900	-3.995	4.01168	1.16752	.30905	.52018	.52896	.31165	-.21113	.21731	-.20862	.21725
.900	-2.019	3.97196	1.17579	.36475	.46580	.53568	.32217	-.10106	.21351	-.09870	.21339
.899	-.047	3.94567	1.17805	.41896	.41105	.53757	.32614	.00791	.21143	.00987	.21092
.900	1.984	4.04721	1.17442	.47463	.35484	.53545	.32262	.11980	.21283	.12165	.21230
.900	4.034	4.05249	1.16487	.52987	.29948	.52365	.31373	.23039	.20992	.23195	.20928
.899	6.017	4.00274	1.14833	.58215	.24642	.50591	.29942	.33574	.20649	.33769	.20565
	GRADIENT	.00790	-.00035	.02749	-.02753	-.00056	.00021	.05503	-.00077	.05491	-.00085

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R062) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.997 BETA = 4.000
PHI = .000

RUN NO. 330/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-5.979	4.00773	.41308	.40684	.40996	.05382	.00090
.900	-3.995	4.01168	.41336	.42034	.41685	.05506	-.00092
.900	-2.019	3.97196	.41410	.42899	.42154	.05546	-.00221
.899	-.047	3.94567	.41402	.43211	.42307	.05508	.00014
.900	1.984	4.04721	.41381	.42930	.42155	.05453	-.00012
.900	4.034	4.05249	.41390	.41901	.41646	.05338	-.00201
.899	6.017	4.00274	.41331	.40308	.40820	.05327	-.00174
	GRADIENT	.00790	.00004	-.00013	-.00005	-.00022	-.00001

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R063) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.002 BETA = 4.000
PHI = .000

RUN NO. 331/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.899	-5.979	4.07292	698.09700	3.99720	1233.69000	2084.50000	1.21874	110.10000	.00000	7.26200	145.75000
.899	-4.030	4.03568	699.21500	4.00308	1235.16000	2087.39999	1.21885	110.10000	.00000	5.77700	134.98000
.900	-1.961	3.91805	699.97400	4.00699	1234.35001	2087.79999	1.21926	109.90000	.00000	4.49700	116.60000
.900	-.027	3.97454	698.34300	3.99810	1231.89000	2083.29999	1.21917	109.90000	.00000	4.10500	90.43000
.900	2.005	4.01462	698.34300	3.99810	1231.89000	2083.29999	1.21917	109.90000	.00000	4.59900	63.53000
.900	4.008	4.01076	700.50600	4.00939	1235.53000	2089.60001	1.21922	110.00000	.00000	5.74200	45.06000
.900	5.965	3.96053	698.75500	3.99933	1233.28000	2085.10001	1.21905	110.10000	.00000	7.18600	33.60000
	GRADIENT	.00224	.04881	.00019	-.08475	-.00210	.00003	-.01008	.00000	.00121	-11.61582

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R063) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.002 BETA = 4.000
PHI = .000

RUN NO. 331/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.899	-5.979	4.07292	1.14949	.25288	.57296	.51415	.29611	-.32008	.21803	-.31752	.21809
.899	-4.030	4.03568	1.16749	.30873	.52153	.52938	.31126	-.21280	.21812	-.20973	.21814
.900	-1.961	3.91805	1.17705	.36675	.46624	.53551	.32467	-.09950	.21084	-.09659	.21053
.900	-.027	3.97454	1.17762	.41979	.40985	.53748	.32595	.00994	.21153	.01215	.21102
.900	2.005	4.01462	1.17445	.47597	.35419	.53403	.32341	.12178	.21062	.12405	.21030
.900	4.008	4.01076	1.16564	.52973	.30003	.52279	.31593	.22970	.20686	.23165	.20620
.900	5.965	3.96053	1.15159	.58274	.24952	.50587	.30387	.33322	.20199	.33548	.20150
	GRADIENT	.00224	-.00031	.02750	-.02769	-.00073	.00041	.05519	-.00114	.05505	-.00121

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R063) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.002 BETA = 4.000
PHI = .000

RUN NO. 331/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.899	-5.979	4.07292	.41164	.40510	.40837	.05560	.00128
.899	-4.030	4.03568	.41359	.42030	.41695	.05475	-.00248
.900	-1.961	3.91805	.41504	.43025	.42264	.05551	-.00208
.900	-.027	3.97454	.41372	.43197	.42284	.05603	.00081
.900	2.005	4.01462	.41394	.42888	.42141	.05427	-.00142
.900	4.008	4.01076	.41390	.41969	.41680	.05328	-.00238
.900	5.965	3.96053	.41500	.40511	.41005	.05295	-.00241
	GRADIENT	.00224	-.00002	-.00013	-.00007	-.00021	.00004

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R064) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 308/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.599	-6.005	6.01051	496.08400	3.84481	1976.03000	2518.20001	1.09290	110.30000	.00000	8.57600	134.85000
.599	-3.991	5.99489	496.61700	3.84682	1976.71001	2519.50000	1.09298	110.40000	.00000	7.30900	123.56000
.600	-1.988	5.97058	497.91700	3.85380	1973.69000	2518.10001	1.09338	110.00000	.00000	6.42200	108.36000
.600	-.005	6.00503	497.13700	3.84832	1973.41000	2516.89999	1.09322	110.20000	.00000	6.14200	90.07000
.600	1.991	6.02360	496.96000	3.84737	1973.22000	2516.50000	1.09321	110.20000	.00000	6.47200	71.80000
.599	4.017	6.01534	495.70900	3.84121	1974.74001	2516.50000	1.09290	110.40000	.00000	7.33900	56.39000
.599	6.016	6.01938	496.34500	3.84349	1976.12000	2518.60001	1.09295	110.60000	.00000	8.58800	45.15000
	GRADIENT	.00469	-.13898	-.00089	-.21977	-.37968	-.00002	.01005	.00000	.00591	-8.54606

RUN NO. 471/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.006	6.01081	627.68200	3.88433	1399.53000	2134.29999	1.17061	110.50000	.00000	8.52200	134.90000
.800	-4.021	6.03820	627.16900	3.88249	1399.74001	2133.79999	1.17043	110.50000	.00000	7.31400	123.59000
.800	-1.979	6.02624	626.96900	3.88209	1400.14999	2133.89993	1.17031	110.50000	.00000	6.42900	108.14000
.800	.017	6.00266	626.78200	3.88106	1400.75000	2134.20001	1.17018	110.60000	.00000	6.09900	89.86000
.800	1.997	5.95221	627.00000	3.88152	1399.45000	2133.29999	1.17041	110.50000	.00000	6.36600	71.53000
.800	3.965	5.97494	626.48000	3.87694	1399.56000	2132.70001	1.17025	110.80000	.00000	7.23200	56.54000
.800	5.977	5.95627	626.24800	3.87854	1399.47000	2132.29999	1.17019	110.50000	.00000	8.46400	45.01000
	GRADIENT	-.01006	-.06751	-.00058	-.05234	-.13961	-.00001	.02998	.00000	-.01259	-8.55750

RUN NO. 479/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.901	-6.035	6.02745	697.97500	3.99980	1228.81000	2080.10001	1.21966	109.20000	.00000	8.50900	134.99000
.900	-3.998	6.01926	698.89400	3.99174	1233.28000	2085.29999	1.21910	111.00000	.00000	7.24700	123.56000
.900	-2.006	6.05162	698.82700	3.99527	1232.58000	2084.60001	1.21921	110.50000	.00000	6.42500	108.31000
.900	.025	5.96591	698.89900	3.99302	1231.88000	2084.10001	1.21936	110.70000	.00000	6.03000	89.78000
.900	1.996	5.95660	698.42400	3.99057	1231.28999	2082.89999	1.21933	110.70000	.00000	6.33600	71.52000
.900	3.961	5.92755	698.15500	3.99324	1231.39999	2082.60001	1.21921	110.30000	.00000	7.15400	56.31000
.900	6.050	6.04058	698.35200	3.99191	1231.99001	2083.39999	1.21917	110.60000	.00000	8.52700	45.02000
	GRADIENT	-.01400	-.09416	-.00009	-.25392	-.35638	.00002	-.06008	.00000	-.01466	-8.59963

RUN NO. 494/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-5.999	6.01933	759.14600	3.86824	896.46500	1913.80000	1.33740	110.80000	.00000	8.40300	134.90000
1.100	-4.006	6.03197	758.73600	3.86756	896.47100	1913.10001	1.33722	110.70000	.00000	7.19800	123.59000
1.100	-2.006	6.06474	759.30200	3.86874	896.36300	1914.00000	1.33751	110.80000	.00000	6.38100	108.30000
1.100	.039	5.94596	759.82700	3.87314	896.95000	1915.30000	1.33753	110.60000	.00000	5.95800	89.63000
1.100	2.006	5.98798	760.38600	3.87499	898.33200	1917.20000	1.33725	110.80000	.00000	6.31200	71.49000
1.100	3.956	5.91939	760.71600	3.87943	898.82300	1918.10001	1.33721	110.50000	.00000	7.08300	56.26000
1.099	6.001	6.01008	760.36400	3.87809	898.82900	1917.50000	1.33706	110.50000	.00000	8.40000	45.07000
	GRADIENT	-.01517	.25315	.00150	.33421	.66202	-.00001	-.02001	.00000	-.01631	-8.60215

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R064) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 338/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-5.983	6.00680	808.20800	3.89956	738.82100	1914.00000	1.42337	110.30000	.00000	8.38200	134.88000
1.250	-4.006	6.00868	808.42700	3.90081	739.21400	1914.60001	1.42328	110.30000	.00000	7.17600	123.71000
1.250	-1.993	5.97736	807.11900	3.89562	738.24100	1911.60001	1.42318	110.20000	.00000	6.29300	108.47000
1.250	-.024	5.97802	807.17000	3.89582	738.24000	1911.70000	1.42321	110.20000	.00000	5.98200	90.26000
1.251	2.012	6.03049	808.76700	3.90265	738.81400	1915.10001	1.42359	110.20000	.00000	6.34500	71.57000
1.250	3.986	5.98697	808.31100	3.90155	739.51300	1914.50000	1.42310	110.20000	.00000	7.14500	56.35000
1.250	5.971	5.96150	808.30300	3.90222	739.31500	1914.39999	1.42319	110.10000	.00000	8.34000	44.96000
	GRADIENT	.00051	.07124	.00043	.05854	.16587	.00000	-.01001	.00000	-.00055	-8.58532

RUN NO. 501/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.397	-6.025	6.04890	761.04400	3.54255	556.75500	1765.30000	1.49252	110.60000	.00000	8.46500	134.84000
1.397	-3.996	6.01408	760.61300	3.54551	556.46300	1764.30000	1.49252	110.00000	.00000	7.19900	123.56000
1.398	-1.994	6.02803	761.53100	3.54601	556.55300	1766.39993	1.49282	110.40000	.00000	6.36200	108.27000
1.398	.025	5.99165	762.12500	3.54831	557.43600	1767.80000	1.49258	110.50000	.00000	6.01800	89.72000
1.399	2.024	5.97285	762.75200	3.55203	556.83800	1769.20000	1.49314	110.30000	.00000	6.32100	71.26000
1.398	3.966	5.90325	761.79000	3.54640	556.74800	1767.00000	1.49282	110.50000	.00000	7.09600	56.09000
1.398	6.011	6.00550	760.92400	3.54249	556.26300	1765.00000	1.49273	110.50000	.00000	8.42800	44.98000
	GRADIENT	-.01384	.18044	.00040	.04340	.41388	.00005	.04518	.00000	-.01336	-8.62353

RUN NO. 376/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.449	-6.019	6.03371	758.46700	3.50784	515.71600	1760.50000	1.51348	109.70000	.00000	8.45400	134.89000
1.449	-3.986	6.00785	758.98600	3.50616	516.10600	1761.70000	1.51346	110.20000	.00000	7.19200	123.52000
1.450	-1.995	6.05027	758.16100	3.50227	515.42200	1759.80000	1.51353	110.20000	.00000	6.38600	108.24000
1.450	.040	5.98248	756.73900	3.49406	514.44800	1756.50000	1.51352	110.40000	.00000	6.01300	89.62000
1.450	2.001	5.97702	758.37900	3.49596	515.61800	1760.30000	1.51349	111.10000	.00000	6.32100	71.53000
1.449	4.044	5.97654	757.84300	3.49545	515.72200	1759.00000	1.51324	110.90000	.00000	7.19800	55.93000
1.450	6.002	5.96602	757.12300	3.49008	514.64200	1757.39999	1.51357	111.10000	.00000	8.39800	44.86000
	GRADIENT	-.00679	-.10394	-.00138	-.02896	-.24626	-.00002	.11440	.00000	-.00246	-8.56945

RUN NO. 513/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.011	6.02518	718.45300	3.29500	456.41100	1674.50000	1.53208	110.50000	.00000	8.46200	134.89000
1.500	-3.989	5.99656	718.70400	3.29670	456.21000	1675.20000	1.53230	110.40000	.00000	7.20100	123.61000
1.497	-2.002	6.05590	719.92900	3.30188	458.77100	1677.50000	1.53126	110.60000	.00000	6.40700	108.27000
1.500	.044	6.01703	717.60700	3.29233	455.33100	1672.70000	1.53241	110.30000	.00000	6.06100	89.59000
1.500	1.975	5.93198	717.66800	3.29289	455.82500	1672.70000	1.53214	110.30000	.00000	6.28700	71.60000
1.500	4.034	6.00067	718.24600	3.29543	456.01700	1674.10001	1.53224	110.30000	.00000	7.22900	56.11000
1.500	6.036	6.02409	718.71700	3.29991	456.30900	1675.20000	1.53225	110.00000	.00000	8.47900	45.00000
	GRADIENT	-.00571	-.15907	-.00058	-.16757	-.35024	.00004	-.02505	.00000	-.00293	-8.57266

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R064) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 393/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.549	-6.027	6.01640	689.33200	3.15039	410.34000	1618.20000	1.54912	109.90000	.00000	8.48200	134.97000
1.550	-4.034	6.05502	688.81600	3.14562	409.45200	1617.30000	1.54948	110.20000	.00000	7.28500	123.67000
1.549	-1.969	6.01886	689.67400	3.15056	410.73300	1618.89999	1.54899	110.10000	.00000	6.37500	108.17000
1.551	.002	6.00119	690.13300	3.15143	410.03200	1620.50000	1.54960	110.20000	.00000	6.05600	89.95000
1.550	2.033	5.93017	689.16100	3.14803	410.04400	1617.89999	1.54924	110.10000	.00000	6.31400	71.15000
1.549	4.034	6.04535	689.61400	3.15164	410.43600	1618.89999	1.54915	109.90000	.00000	7.27600	56.38000
1.549	6.014	6.02159	688.99300	3.14736	410.14500	1617.39999	1.54911	110.10000	.00000	8.47500	45.08000
	GRADIENT	-.00539	.05401	.00048	.06428	.10946	-.00002	-.02984	.00000	-.00444	-8.52052

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (14R064) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 308/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-6.005	6.01051	.99113	.09475	.43048	.44135	.10047	-.33573	.34087	-.33484	.34002
.599	-3.991	5.99489	1.01553	.15240	.37270	.45897	.11716	-.22030	.34181	-.21916	.34123
.600	-1.988	5.97058	1.02625	.21075	.31290	.46805	.12748	-.10216	.34057	-.10075	.33942
.600	-.005	6.00503	1.03171	.26780	.25640	.47332	.12954	.01140	.34378	.01226	.34236
.600	1.991	6.02360	1.02743	.32546	.19933	.46881	.12584	.12615	.34297	.12692	.34118
.599	4.017	6.01534	1.01491	.38372	.14328	.45690	.11754	.24043	.33936	.24084	.33819
.599	6.016	6.01938	.98877	.43832	.08645	.43893	.10130	.35187	.33763	.35236	.33594
	GRADIENT	.00469	-.00001	.02887	-.02863	-.00018	-.00005	.05750	-.00013	.05739	-.00022

RUN NO. 471/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.800	-6.006	6.01081	1.10913	.16698	.49066	.50705	.16650	-.32369	.34056	-.32375	.33933
.800	-4.021	6.03820	1.13060	.22479	.43449	.52264	.18199	-.20971	.34065	-.20995	.33932
.800	-1.979	6.02624	1.14345	.28379	.37709	.53164	.19264	-.09331	.33899	-.09374	.33766
.800	.017	6.00266	1.14688	.34065	.32069	.53382	.19672	.01996	.33710	.01944	.33579
.800	1.997	5.95221	1.14266	.39781	.26628	.52632	.19629	.13153	.33003	.13068	.32878
.800	3.965	5.97494	1.13196	.45330	.21298	.51631	.18772	.24033	.32859	.23958	.32707
.800	5.977	5.95627	1.11029	.50866	.15602	.49802	.17188	.35264	.32614	.35163	.32462
	GRADIENT	-.01006	.00011	.02863	-.02777	-.00089	.00077	.05640	-.00166	.05633	-.00167

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R064) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 479/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.901	-6.035	6.02745	1.16263	.24063	.55095	.56651	.23991	-.31033	.32660	-.31066	.32557
.900	-3.998	6.01926	1.18436	.29820	.49759	.58102	.25644	-.19878	.32458	-.19929	.32357
.900	-2.006	6.05162	1.19370	.35253	.44232	.58990	.26456	-.08979	.32534	-.09048	.32432
.900	.025	5.96591	1.19779	.41011	.38821	.58971	.27045	.02190	.31926	.02086	.31817
.900	1.996	5.95660	1.19410	.46291	.33642	.58359	.26892	.12649	.31467	.12540	.31345
.900	3.961	5.92755	1.18373	.51584	.28558	.57315	.26188	.23026	.31126	.22935	.30988
.900	6.050	6.04058	1.16230	.57062	.22894	.56052	.24366	.34169	.31686	.34088	.31572
	GRADIENT	-.01400	-.00003	.02733	-.02660	-.00110	.00077	.05394	-.00187	.05388	-.00192

RUN NO. 494/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.100	-5.999	6.01933	1.29094	.44519	.72140	.73585	.44354	-.27622	.29232	-.27704	.29098
1.100	-4.006	6.03197	1.30691	.49390	.67317	.74785	.45557	-.17927	.29228	-.18026	.29072
1.100	-2.006	6.06474	1.31515	.54235	.62231	.75424	.46260	-.07996	.29164	-.08111	.29014
1.100	.039	5.94596	1.31959	.59301	.57431	.75397	.46828	.01870	.28570	.01710	.28419
1.100	2.006	5.98798	1.31646	.64114	.52840	.75177	.46605	.11274	.28573	.11110	.28398
1.100	3.956	5.91939	1.30792	.68890	.48389	.74096	.46096	.20501	.28000	.20349	.27830
1.099	6.001	6.01008	1.29013	.73702	.43513	.73042	.44634	.30189	.28408	.30057	.28229
	GRADIENT	-.01517	.00018	.02452	-.02370	-.00080	.00072	.04822	-.00153	.04815	-.00155

RUN NO. 338/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.250	-5.983	6.00680	1.33876	.51053	.78814	.79935	.51563	-.27761	.28372	-.27471	.28380
1.250	-4.006	6.00868	1.35232	.55861	.73840	.81129	.52653	-.17979	.28476	-.17692	.28487
1.250	-1.993	5.97736	1.36384	.60924	.68815	.81854	.53457	-.07891	.28397	-.07611	.28384
1.250	.024	5.97802	1.36604	.65733	.64099	.81962	.53736	.01635	.28226	.01844	.28200
1.251	2.012	6.03049	1.36201	.70511	.59452	.81578	.53441	.11059	.28137	.11300	.28110
1.250	3.986	5.98697	1.35183	.75274	.55040	.80567	.52875	.20234	.27692	.20465	.27647
1.250	5.971	5.96150	1.33906	.80007	.50548	.79150	.51805	.29459	.27345	.29696	.27305
	GRADIENT	.00051	-.00014	.02422	-.02349	-.00070	.00021	.04771	-.00091	.04764	-.00098

RUN NO. 501/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.397	-6.025	6.04890	1.45991	.52595	.81212	.81690	.52869	-.28616	.28821	-.28771	.28669
1.397	-3.996	6.01408	1.47499	.57343	.76226	.82845	.54045	-.18883	.28800	-.19073	.28631
1.398	-1.994	6.02803	1.48143	.62220	.71291	.83784	.54709	-.09071	.29075	-.09238	.28898
1.398	.025	5.99165	1.48126	.67162	.66505	.84126	.54955	.00658	.29171	.00413	.29015
1.399	2.024	5.97285	1.48028	.72066	.61816	.83771	.54660	.10250	.29112	.10021	.28931
1.398	3.966	5.90325	1.47369	.76842	.57362	.82755	.54059	.19480	.28696	.19259	.28509
1.398	6.011	6.00550	1.45723	.81777	.52483	.81857	.52697	.29294	.29160	.29076	.28964
	GRADIENT	-.01384	-.00018	.02449	-.02367	-.00009	-.00000	.04817	-.00008	.04810	-.00010

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (14R064) (12 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 376/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.449	-6.019	6.03371	1.47000	.52544	.81449	.81252	.52934	-.28905	.28318	-.29070	.28173
1.449	-3.986	6.00785	1.48332	.57103	.76419	.82274	.53834	-.19316	.28440	-.19486	.28275
1.450	-1.995	6.05027	1.49098	.61711	.71470	.83103	.54166	-.09759	.28937	-.09922	.28766
1.450	.040	5.98248	1.49302	.66562	.66417	.83411	.54324	.00145	.29087	-.00043	.28905
1.450	2.001	5.97702	1.49105	.71295	.61822	.83415	.54211	.09473	.29204	.09253	.29006
1.449	4.044	5.97654	1.48286	.76476	.57070	.83030	.53697	.19406	.29333	.19189	.29160
1.450	6.002	5.96602	1.46795	.81436	.52789	.82052	.52785	.28647	.29267	.28455	.29078
	GRADIENT	-.00679	-.00004	.02410	-.02410	.00091	-.00012	.04820	.00102	.04813	.00100

RUN NO. 513/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.500	-6.011	6.02518	1.50116	.52559	.81962	.81929	.52824	-.29403	.29105	-.29639	.28968
1.500	-3.989	5.99656	1.50831	.57484	.76699	.82684	.54071	-.19215	.28613	-.19455	.28452
1.497	-2.002	6.05590	1.51550	.62365	.71652	.83593	.54654	-.09286	.28942	-.09548	.28774
1.500	.044	6.01703	1.51366	.67277	.66495	.83592	.54746	.00782	.28846	.00452	.28695
1.500	1.975	5.93198	1.51328	.72105	.62224	.83573	.54767	.09881	.28805	.09588	.28647
1.500	4.034	6.00067	1.50517	.77148	.57623	.83355	.53839	.19525	.29516	.19235	.29328
1.500	6.036	6.02409	1.49652	.82207	.53428	.82569	.52647	.28779	.29922	.28490	.29763
	GRADIENT	-.00571	-.00043	.02451	-.02376	.00066	-.00018	.04827	.00084	.04820	.00081

RUN NO. 393/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.549	-6.027	6.01640	1.54853	.52806	.82031	.81422	.52866	-.29225	.28555	-.29442	.28366
1.550	-4.034	6.05502	1.55128	.57160	.76712	.82772	.53769	-.19552	.29003	-.19768	.28828
1.549	-1.969	6.01886	1.55125	.61892	.71616	.83685	.54826	-.09724	.28859	-.09966	.28685
1.551	.002	6.00119	1.54675	.66552	.66830	.84064	.54967	-.00279	.29096	-.00500	.28919
1.550	2.033	5.93017	1.54945	.71686	.62322	.83878	.54707	.09364	.29171	.09089	.28980
1.549	4.034	6.04535	1.55164	.76771	.58040	.83574	.54144	.18731	.29429	.18441	.29247
1.549	6.014	6.02159	1.54661	.81865	.54311	.82370	.52938	.27553	.29432	.27291	.29220
	GRADIENT	-.00539	-.00005	.02434	-.02316	.00090	.00032	.04750	.00058	.04741	.00058

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R064) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 308/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-6.005	6.01051	.26217	.27134	.26675	.05682	.00121
.599	-3.991	5.99489	.26198	.28835	.27517	.05866	-.00062
.600	-1.988	5.97058	.26112	.29834	.27973	.05814	.00036
.600	-.005	6.00503	.26167	.30214	.28191	.05702	.00095
.600	1.991	6.02360	.26202	.29822	.28012	.05706	-.00145
.599	4.017	6.01534	.26330	.28780	.27555	.05581	-.00133
.599	6.016	6.01938	.26214	.27096	.26655	.05576	-.00102
	GRADIENT	.00469	.00018	-.00007	.00006	-.00034	-.00016

RUN NO. 471/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.800	-6.006	6.01081	.32886	.33739	.33312	.05745	.00026
.800	-4.021	6.03820	.32976	.35299	.34137	.05713	-.00054
.800	-1.979	6.02624	.33066	.36280	.34673	.05678	-.00052
.800	.017	6.00266	.33093	.36596	.34843	.05656	-.00261
.800	1.997	5.95221	.33247	.36194	.34720	.05566	-.00251
.800	3.965	5.97494	.33351	.35278	.34315	.05539	-.00054
.800	5.977	5.95627	.33285	.33571	.33428	.05583	-.00155
	GRADIENT	-.01006	.00047	-.00005	.00021	-.00023	-.00010

RUN NO. 479/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.901	-6.035	6.02745	.39596	.40373	.39984	.05473	-.00161
.900	-3.998	6.01926	.39845	.41923	.40884	.05455	.00027
.900	-2.006	6.05162	.39778	.42774	.41276	.05495	-.00126
.900	.025	5.96591	.39968	.43062	.41515	.05398	-.00313
.900	1.996	5.95660	.40021	.42687	.41354	.05267	-.00244
.900	3.961	5.92755	.40116	.41821	.40969	.05317	.00028
.900	6.050	6.04058	.40018	.40266	.40142	.05349	.00405
	GRADIENT	-.01400	.00040	-.00014	.00013	-.00025	-.00006

RUN NO. 494/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.100	-5.999	6.01933	.58371	.59036	.58703	.04820	-.00035
1.100	-4.006	6.03197	.58403	.60249	.59326	.04931	.00030
1.100	-2.006	6.06474	.58291	.60917	.59604	.04896	-.00214
1.100	.039	5.94596	.58446	.61188	.59817	.04773	-.00128
1.100	2.006	5.98798	.58559	.60978	.59768	.04760	-.00164
1.100	3.956	5.91939	.58716	.60181	.59448	.04736	-.00126
1.099	6.001	6.01008	.58673	.58928	.58800	.04752	.00356
	GRADIENT	-.01517	.00045	-.00003	.00021	-.00026	-.00013

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R064) (15 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 338/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.250	-5.983	6.00680	.64789	.65745	.65267	.04919	.00077
1.250	-4.006	6.00865	.64707	.66886	.65796	.05003	.00008
1.250	-1.993	5.97736	.64729	.67662	.66196	.04931	-.00100
1.250	-.024	5.97802	.64811	.67862	.66337	.04695	-.00044
1.251	2.012	6.03049	.64861	.67523	.66192	.04629	-.00141
1.250	3.986	5.98697	.65041	.66743	.65892	.04649	-.00235
1.250	5.971	5.96150	.65159	.65497	.65328	.04651	-.00141
	GRADIENT	.00051	.00040	-.00021	.00009	-.00050	-.00026

RUN NO. 501/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.397	-6.025	6.04890	.66980	.67355	.67168	.04732	-.00065
1.397	-3.996	6.01408	.66880	.68530	.67705	.04872	.00073
1.398	-1.994	6.02803	.66839	.69335	.68087	.04856	.00118
1.398	.025	5.99165	.66955	.69619	.68287	.04780	.00031
1.399	2.024	5.97285	.67056	.69306	.68181	.04786	-.00194
1.398	3.966	5.90325	.67213	.68501	.67857	.04766	-.00041
1.398	6.011	6.00550	.67239	.67375	.67307	.04819	.00355
	GRADIENT	-.01384	.00044	-.00003	.00020	-.00014	-.00027

RUN NO. 376/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.449	-6.019	6.03371	.67080	.67165	.67122	.04698	-.00015
1.449	-3.986	6.00785	.66847	.68136	.67491	.04750	.00181
1.450	-1.995	6.05027	.66672	.68720	.67696	.04860	.00186
1.450	.040	5.98248	.66583	.68959	.67771	.04779	.00023
1.450	2.001	5.97702	.66668	.68912	.67790	.04801	.00084
1.449	4.044	5.97654	.66881	.68450	.67666	.04823	.00022
1.450	6.002	5.96602	.67208	.67513	.67361	.04687	-.00073
	GRADIENT	-.00679	.00003	.00041	.00022	.00004	-.00021

RUN NO. 513/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.500	-6.011	6.02518	.67378	.67445	.67412	.05046	-.00380
1.500	-3.989	5.99656	.67212	.68457	.67835	.05018	-.00004
1.497	-2.002	6.05590	.67140	.69208	.68174	.04952	.00126
1.500	.044	6.01703	.67051	.69244	.68148	.04800	-.00123
1.500	1.975	5.93198	.67311	.69249	.68280	.04698	.00174
1.500	4.034	6.00067	.67530	.68691	.68111	.04655	.00326
1.500	6.036	6.02409	.67962	.67687	.67825	.04607	.00163
	GRADIENT	-.00571	.00040	.00025	.00033	-.00049	.00035

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R064) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 393/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.549	-6.027	6.01640	.67527	.67239	.67383	.04889	.00327
1.550	-4.034	6.05502	.67044	.68358	.67701	.04786	.00041
1.549	-1.969	6.01886	.66875	.69343	.68109	.04772	.00007
1.551	.002	6.00119	.66802	.69604	.68203	.04774	.00091
1.550	2.033	5.93017	.67141	.69388	.68265	.04710	.00079
1.549	4.034	6.04535	.67550	.68950	.68250	.04575	.00086
1.549	6.014	6.02159	.68219	.67760	.67990	.04417	-.00063
	GRADIENT	-.00539	.00063	.00061	.00062	-.00024	.00008

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R065) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.001 BETA = 6.000
PHI = .000

RUN NO. 327/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-5.958	5.98301	699.16300	4.00171	1233.17000	2085.60001	1.21921	110.00000	.00000	8.42400	134.86000
.900	-4.009	6.01815	698.59600	3.99942	1233.08000	2084.70001	1.21903	110.00000	.00000	7.25000	123.66000
.900	-1.961	5.94577	698.90900	4.00129	1231.98000	2084.20001	1.21936	109.80000	.00000	6.31200	108.26000
.899	.001	5.99972	697.90300	3.99511	1232.39999	2083.10001	1.21894	110.10000	.00000	6.05900	90.03000
.900	1.998	6.01732	699.10500	4.00087	1232.57001	2085.00000	1.21932	110.00000	.00000	6.38800	71.69000
.899	4.006	6.01602	698.92000	4.00372	1234.27000	2086.20001	1.21892	109.80000	.00000	7.24500	56.40000
.899	6.038	6.01306	699.60800	4.00584	1236.35001	2089.00000	1.21874	110.10000	.00000	9.49600	44.95000
	GRADIENT	.00331	.04247	.00041	.14795	.18992	-.00001	-.01018	.00000	.00291	-8.55762

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R065) (12 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.001 BETA = 6.000
PHI = .000

RUN NO. 327/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-5.958	5.98301	1.12981	.24204	.55422	.56857	.24577	-.31217	.32280	-.30959	.32358
.900	-4.009	6.01815	1.14789	.29585	.50033	.58321	.25828	-.20448	.32493	-.20159	.32563
.900	-1.961	5.94577	1.15926	.35268	.44477	.58972	.26990	-.09209	.31982	-.08950	.32034
.899	.001	5.99972	1.16222	.40578	.39034	.59419	.27046	.01544	.32373	.01744	.32424
.900	1.998	6.01732	1.15868	.46117	.33847	.58839	.26918	.12270	.31921	.12434	.31946
.899	4.006	6.01602	1.14684	.51444	.28459	.57723	.26029	.22985	.31693	.23179	.31730
.899	6.038	6.01306	1.12675	.56738	.22963	.56096	.24656	.33775	.31440	.33967	.31469
	GRADIENT	.00331	-.00013	.02730	-.02690	-.00066	.00017	.05420	-.00083	.05406	-.00088

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R065) (15 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.001 BETA = 6.000
PHI = .000

RUN NO. 327/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-5.958	5.98301	.39684	.40678	.40181	.05559	.00242
.900	-4.009	6.01815	.39665	.42040	.40852	.05505	-.00169
.900	-1.961	5.94577	.39743	.42955	.41349	.05466	-.00005
.899	.001	5.99972	.39706	.43207	.41457	.05399	.00036
.900	1.998	6.01732	.39900	.42866	.41383	.05346	-.00250
.899	4.006	6.01602	.39854	.41858	.40856	.05336	-.00075
.899	6.038	6.01306	.39755	.40362	.40058	.05295	-.00155
	GRADIENT	.00331	.00027	-.00022	.00002	-.00023	-.00003

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R266) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 446/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
.599	-31.520	.00000	321.70900	2.49855	1280.99001	1632.60001	1.09291	109.30000	-.00398	.24100	-31.52000
.598	.000	.00000	320.61700	2.49274	1282.00999	1632.30000	1.09255	109.60000	-.00364	.24200	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R266) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 436/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
.799	-31.440	.00000	322.15900	2.00183	720.23600	1097.20000	1.17012	109.10000	.00143	.24800	-31.44000
.800	.010	.00000	322.65300	2.00492	720.92400	1098.50000	1.17022	109.00000	.00105	.24700	.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 435/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
.900	-31.440	.00000	349.80300	2.00365	617.13600	1043.60001	1.21915	109.70000	-.00106	.24500	-31.44000
.899	-.070	.00000	348.37200	1.99885	615.27000	1039.89999	1.21890	109.10000	-.00048	.24600	-.07000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 425/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.100	-31.490	.00000	372.42200	1.90219	439.53300	938.70000	1.33760	109.70000	-.00154	.24600	-31.49000
1.099	.010	.00000	372.49700	1.90278	440.22800	939.30000	1.33714	109.80000	-.00215	.24500	.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 424/ 0 RN/L = 1.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.251	-31.480	.00000	403.85800	1.95644	368.91400	956.30000	1.42361	108.50000	-.00029	.24600	-31.48000
1.250	.010	.00000	404.41700	1.96023	369.60200	957.70000	1.42345	108.30000	-.00180	.24500	.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 411/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.400	-31.500	.00000	429.97000	2.00300	313.59600	997.30000	1.49341	110.10000	-.00372	.24200	-31.50000
1.399	-.010	.00000	430.04900	2.00504	313.99100	997.50000	1.49310	109.80000	-.00138	.24600	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 423/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TT·	ALPHA	THETAI	PHII
1.425	-31.500	.00000	431.51200	2.00383	303.68700	1000.80000	1.50373	109.60000	-.00167	.24500	-31.50000
1.425	-.010	.00000	432.24300	2.00760	304.07500	1002.50000	1.50385	109.50000	-.00225	.24400	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 422/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.449	-31.500	.00000	433.28800	2.00402	294.75500	1005.70000	1.51334	109.70000	-.00310	.24400	-31.50000
1.450	-.010	.00000	432.96200	2.00311	294.06400	1005.00000	1.51379	109.50000	-.00155	.24500	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R266) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 421/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.475	-31.520	.00000	434.60900	2.00292	285.31800	1010.50000	1.52319	109.70000	-.00293	.24600	-31.52000
1.475	.010	.00000	434.30000	2.00097	285.02400	1009.80000	1.52328	109.80000	-.00138	.24500	.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 401/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.500	-31.480	.00000	435.76800	2.00125	276.66000	1015.70000	1.53225	109.90000	-.00521	.24200	-31.48000
1.499	.020	.00000	435.58300	1.99913	276.76100	1015.20000	1.53204	110.20000	-.00494	.24200	.02000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 400/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.525	-31.500	.00000	435.95200	1.99638	267.89200	1019.40000	1.54089	110.00000	-.00355	.24300	-31.50000
1.527	.000	.00000	436.87800	1.99925	267.68000	1021.90000	1.54165	110.20000	-.00442	.24200	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 399/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.550	-31.510	.00000	438.90800	2.00245	260.95700	1030.50000	1.54942	110.60000	-.00470	.24300	-31.51000
1.551	-.010	.00000	438.94300	2.00721	260.75600	1030.70000	1.54964	109.60000	-.00497	.24200	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R266) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 446/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.599	-31.520	-.00398	1.09283	.30272	.29520	.29492	.30316	.00753	-.00823	.00179	-.00943
.598	.000	-.00364	1.09476	.30394	.29426	.29791	.30458	.00968	-.00667	.00398	-.00786
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R266) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 436/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.799	-31.440	.00143	1.16512	.36435	.36030	.35851	.36488	.00405	-.00637	-.00071	-.00811
.800	.010	.00105	1.16594	.36423	.35845	.36046	.36555	.00588	-.00510	.00028	-.00685
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 435/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
.900	-31.440	-.00106	1.21627	.42866	.42383	.42329	.42907	.00483	-.00579	-.00003	-.00774
.899	-.070	-.00048	1.21483	.42800	.42137	.42324	.42918	.00663	-.00594	.00072	-.00818
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 425/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.100	-31.490	-.00154	1.33389	.61063	.60811	.60680	.61134	.00253	-.00454	-.00151	-.00686
1.099	.010	-.00215	1.33388	.60903	.60507	.60571	.61038	.00396	-.00466	-.00068	-.00678
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 424/ 0 RN/L = 1.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.251	-31.480	-.00029	1.41647	.67020	.66905	.66483	.67320	.00115	-.00838	-.00248	-.01029
1.250	.010	-.00180	1.41773	.67218	.66693	.66619	.67399	.00525	-.00781	.00049	-.00966
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 411/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.400	-31.500	-.00372	1.48902	.69478	.68548	.68727	.69109	.00931	-.00382	.00476	-.00595
1.399	-.010	-.00138	1.48854	.69370	.68663	.68938	.69023	.00706	-.00086	.00260	-.00264
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 423/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.425	-31.500	-.00167	1.49287	.69274	.69219	.68545	.69558	.00054	-.01013	-.00287	-.01211
1.425	-.010	-.00225	1.49165	.69341	.68800	.68621	.69453	.00542	-.00832	.00081	-.01014
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 422/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.449	-31.500	-.00310	1.50614	.69371	.68700	.69161	.68754	.00671	.00407	.00204	.00120
1.450	-.010	-.00155	1.50597	.68841	.68802	.69126	.68487	.00040	.00639	-.00331	.00373
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R266) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 421/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.475	-31.520	-.00293	1.51179	.68696	.68570	.68507	.68100	.00126	.00407	-.00219	.00120
1.475	.010	-.00138	1.51052	.68380	.68618	.68502	.68263	-.00237	.00240	-.00584	.00022
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 401/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.500	-31.480	-.00521	1.52372	.69345	.69025	.69191	.68755	.00320	.00436	-.00076	.00141
1.499	.020	-.00494	1.52373	.69023	.69169	.69418	.68909	-.00146	.00509	-.00469	.00185
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 400/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.525	-31.500	-.00355	1.54812	.68436	.68081	.68603	.68041	.00354	.00562	-.00049	.00265
1.527	.000	-.00442	1.54424	.67592	.67919	.68262	.67816	-.00327	.00446	-.00673	.00138
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 399/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.550	-31.510	-.00470	1.56105	.68660	.68750	.68987	.68295	-.00090	.00692	-.00445	.00379
1.551	-.010	-.00497	1.56261	.68348	.69211	.68919	.68663	-.00863	.00256	-.01193	-.00008
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R266) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 446/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.599	-31.520	-.00398	.30183	.29964	.30074	.00007	.00005
.598	.000	-.00364	.30195	.30184	.30189	.00007	.00005
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R266) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 436/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.799	-31.440	.00143	.36470	.36257	.36363	.00003	.00004
.800	.010	.00105	.36419	.36388	.36404	.00003	.00004
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 435/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
.900	-31.440	-.00106	.42868	.42716	.42792	.00002	-.00001
.899	-.010	-.00048	.42764	.42733	.42749	.00002	-.00001
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 425/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.100	-31.490	-.00154	.61139	.61023	.61081	.00003	.00000
1.099	.010	-.00215	.60937	.60910	.60924	.00003	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 424/ 0 RN/L = 1.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.251	-31.480	-.00029	.67144	.66997	.67071	.00009	.00002
1.250	.010	-.00180	.67194	.67102	.67148	.00009	.00002
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 411/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.400	-31.500	-.00372	.69240	.69025	.69132	-.00007	.00010
1.399	-.010	-.00138	.69239	.69070	.69155	-.00007	.00010
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 423/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.425	-31.500	-.00167	.69417	.69151	.69284	.00012	.00006
1.425	-.010	-.00225	.69301	.69128	.69214	.00012	.00006
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 422/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.449	-31.500	-.00310	.69269	.69101	.69185	-.00017	.00008
1.450	-.010	-.00155	.69007	.68940	.68973	-.00017	.00008
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R266) (08 DEC 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 421/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.475	-31.520	-.00293	.68806	.68447	.68626	-.00012	-.00003
1.475	.010	-.00138	.68672	.68491	.68582	-.00012	-.00003
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 401/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.500	-31.480	-.00521	.69383	.69121	.69252	-.00012	.00001
1.499	.020	-.00494	.69257	.69325	.69291	-.00012	.00001
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 400/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.525	-31.500	-.00355	.68460	.68470	.68465	-.00020	-.00004
1.527	.000	-.00442	.67929	.68193	.68061	-.00020	-.00004
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 399/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.550	-31.510	-.00470	.68882	.68797	.68840	-.00024	-.00012
1.551	-.010	-.00497	.68944	.68923	.68934	-.00024	-.00012
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R267) (05 DEC 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

RN/L = 3.357 ALPHA = .000
BETA = .000

RUN NO. 502/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.399	-31.520	.00000	762.71200	3.54923	556.64100	1769.10001	1.49322	110.60000	.00089	.24800	-31.52000
1.400	-.020	.00000	762.37600	3.54896	555.95300	1768.30000	1.49346	110.40000	-.00025	.24800	-.02000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R267) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.357 ALPHA = .000
BETA = .000

RUN NO. 503/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.425	-31.520	.00000	759.79900	3.52152	534.46100	1762.20000	1.50387	110.40000	-.00285	.24600	-31.52000
1.425	-.050	.00000	761.05200	3.52413	535.53500	1765.10001	1.50377	110.80000	-.00062	.24600	-.05000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 504/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.451	-31.600	.00000	756.73500	3.48933	513.56000	1756.60001	1.51400	110.90000	-.00281	.24600	-31.60000
1.450	-.050	.00000	758.05300	3.49493	514.93000	1759.60001	1.51376	111.00000	-.00167	.24600	-.05000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 505/ 0 RN/L = 3.32 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.475	-31.590	.00000	721.10300	3.32565	473.49400	1676.60001	1.52313	109.40000	-.00719	.24400	-31.59000
1.475	-.050	.00000	720.95800	3.31973	473.69300	1676.20000	1.52297	110.10000	-.00284	.24400	-.05000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 506/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.500	-31.590	.00000	718.72900	3.30080	456.40800	1675.20000	1.53219	109.90000	-.00406	.24400	-31.59000
1.500	-.040	.00000	717.89000	3.29240	456.02100	1673.20000	1.53211	110.50000	-.00262	.24500	-.04000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 514/ 0 RN/L = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.525	-31.590	.00000	691.81400	3.16656	425.09700	1617.70000	1.54090	110.20000	-.00293	.24600	-31.59000
1.525	-.030	.00000	692.04500	3.16679	425.09500	1618.30000	1.54099	110.30000	-.00370	.24300	-.03000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 515/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.550	-31.590	.00000	689.55200	3.14891	409.94000	1619.00000	1.54944	110.20000	-.00018	.24700	-31.59000
1.550	-.060	.00000	689.00600	3.14347	409.64800	1617.70000	1.54942	110.60000	-.00125	.24600	-.06000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG. LOUVR OPEN (14R267) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.357 ALPHA = .000
BETA = .000

RUN NO. 502/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.399	-31.520	.00089	1.49289	.69802	.68466	.68858	.69516	.01336	-.00657	.01087	-.00763
1.400	-.020	-.00025	1.49329	.69625	.68530	.69209	.69365	.01095	-.00157	.00837	-.00287
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 503/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.425	-31.520	-.00285	1.49045	.69151	.69045	.68351	.69752	.00106	-.01400	-.00101	-.01512
1.425	-.050	-.00062	1.49020	.69357	.68636	.68612	.69784	.00720	-.01172	.00461	-.01304
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 504/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.451	-31.600	-.00281	1.50435	.69135	.68469	.68913	.68709	.00666	.00204	.00411	.00044
1.450	-.050	-.00167	1.50420	.68872	.68665	.69192	.68630	.00207	.00563	-.00019	.00402
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 505/ 0 RN/L = 3.32 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.475	-31.590	-.00719	1.50971	.68626	.68372	.68388	.68407	.00253	-.00020	.00005	-.00143
1.475	-.050	-.00284	1.51231	.68511	.68436	.68452	.68610	.00075	-.00158	-.00153	-.00277
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 506/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.500	-31.590	-.00406	1.52617	.69414	.68985	.69152	.69059	.00429	.00093	.00150	-.00045
1.500	-.040	-.00262	1.52512	.69004	.68988	.69307	.69150	.00016	.00157	-.00184	-.00021
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 514/ 0 RN/L = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.525	-31.590	-.00293	1.55120	.68420	.67894	.68451	.68164	.00526	.00286	.00203	.00089
1.525	-.030	-.00370	1.55096	.67969	.68003	.68507	.68339	-.00034	.00168	-.00309	-.00027
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 515/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.550	-31.590	-.00018	1.56249	.68570	.68557	.68878	.68288	.00013	.00540	-.00237	.00409
1.550	-.060	-.00125	1.56105	.68180	.68927	.68655	.68579	-.00747	.00077	-.01032	-.00071
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R267) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.357 ALPHA = .000
BETA = .000

RUN NO. 502/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.399	-31.520	.00089	.69258	.69240	.69249	-.00008	.00015
1.400	-.020	-.00025	.69206	.69352	.69279	-.00008	.00015
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 503/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.425	-31.520	-.00285	.69201	.69107	.69154	.00018	.00007
1.425	-.050	-.00062	.69126	.69264	.69195	.00018	.00007
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 504/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.451	-31.600	-.00281	.68929	.68891	.68910	-.00014	.00011
1.450	-.050	-.00167	.68881	.68991	.68936	-.00014	.00011
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 505/ 0 RN/L = 3.32 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.475	-31.590	-.00719	.68623	.68459	.68541	-.00005	-.00004
1.475	-.050	-.00284	.68587	.68590	.68589	-.00005	-.00004
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 506/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.500	-31.590	-.00406	.69339	.69175	.69257	-.00011	.00001
1.500	-.040	-.00262	.69096	.69318	.69207	-.00011	.00001
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 514/ 0 RN/L = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.525	-31.590	-.00293	.68318	.68406	.68362	-.00016	-.00004
1.525	-.030	-.00370	.68124	.68520	.68322	-.00016	-.00004
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 515/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.550	-31.590	-.00018	.68688	.68674	.68681	-.00025	-.00015
1.550	-.060	-.00125	.68696	.68691	.68693	-.00025	-.00015
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

!A132(AEDC TF-505) TANK UPRT W/FRNG, LOUVP OPEN (A4R268) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.146 ALPHA = .000
BETA = .000

RUN NO. 398/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	BETADV	Q	RN/FT	PS	PT	QC/Q	TTF	ALPHA	THETAI	PHII
1.550	-31.500	.00000	689.26800	3.14754	409.64500	1618.39999	1.54952	110.20000	-.00342	.24300	-31.50000
1.550	.000	.00000	688.36500	3.14350	409.25900	1616.20000	1.54943	110.20000	-.00285	.24400	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (I4R268) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.146 ALPHA = .000
BETA = .000

RUN NO. 398/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPTT	CPBT	CPUT	CPRT	CPLT	CPADT	CPBDT	DCPAT	DCPBT
1.550	-31.500	-.00342	1.55935	.68462	.68534	.68824	.68153	-.00071	.00671	-.00292	.00472
1.550	.000	-.00285	1.56058	.68281	.69004	.68755	.68637	-.00724	.00118	-.00937	-.00039
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (J4R268) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.146 ALPHA = .000
BETA = .000

RUN NO. 398/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	PHI	ALPHA	CPAAT	CPBAT	CPABAT	DCPBUT	DCPRLT
1.550	-31 500	-.00342	.68608	.68588	.68598	-.00020	-.00016
1.550	.000	-.00285	.68749	.68774	.68762	-.00020	-.00016
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (P4R001) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 83/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.400	-8.011	-.00033	.60505	.56255	.43508
.401	-5.968	-.00029	.65004	.61403	.48877
.402	-4.023	-.00032	.69643	.66637	.54237
.401	-1.975	-.00028	.74878	.66980	.59687
.401	.013	.00006	.79547	.77222	.64906
.401	1.996	-.00016	.83522	.81843	.69515
.401	4.009	-.00008	.87469	.83525	.74275
.402	5.976	.00012	.90723	.84065	.78576
.402	7.998	.00008	.93661	.93777	.82605
	GRADIENT	.00003	.02212	.02425	.02491

RUN NO. 116/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.599	-8.015	-.03713	.66593	.57388	.49968
.599	-5.976	-.03749	.71443	.62882	.55590
.599	-2.015	-.03826	.81358	.73545	.66306
.601	-.019	-.03847	.85056	.77695	.70708
.600	1.974	-.04058	.90056	.83160	.76264
.599	4.002	-.04167	.93916	.87566	.80984
.599	6.013	-.04140	.97128	.91558	.85315
.600	7.987	-.04218	.99851	.94937	.89089
	GRADIENT	-.00061	.02129	.02371	.02474

RUN NO. 96/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.798	-8.037	.01202	.75014	.66076	.56996
.801	-5.963	.00895	.79762	.71570	.62674
.802	-4.007	.00757	.84454	.76753	.67970
.801	-1.996	.00646	.89502	.80907	.73332
.801	.010	.00595	.93975	.81059	.78243
.802	1.984	.00393	.97925	.91515	.82928
.800	4.015	.00290	1.01594	.93560	.87500
.798	5.980	.00171	1.04687	.99394	.91636
.799	8.010	-.00058	1.07401	1.02128	.95385
	GRADIENT	-.00059	.02133	.02196	.02430

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (P4R001) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 98/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.899	-8.013	.00595	.80886	.72094	.63527
.902	-6.140	.00366	.85627	.77418	.68970
.901	-4.004	.00208	.90260	.82495	.74148
.902	-2.019	.00046	.94797	.87364	.79104
.902	-.005	-.00064	.99445	.92189	.84129
.900	1.986	-.00283	1.03071	.96394	.88455
.899	3.956	-.00435	1.06315	1.00276	.92550
.897	5.969	-.00636	1.09183	1.03765	.96386
.899	8.003	-.00818	1.12310	1.07525	1.00541
	GRADIENT	-.00081	.02027	.02238	.02317

RUN NO. 101/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.100	-7.996	-.00057	.96147	.88118	.80052
1.101	-6.031	-.00260	1.00357	.92956	.85012
1.103	-4.141	-.00428	1.04102	.97100	.89203
1.100	-2.009	-.00680	1.08662	1.01996	.94215
1.101	-.142	-.00873	1.12347	1.05742	.98110
1.101	1.982	-.01095	1.16049	1.09960	1.02524
1.100	4.000	-.01391	1.19025	1.13519	1.06349
1.098	5.935	-.01558	1.22089	1.17132	1.10261
1.097	7.948	-.01723	1.24129	1.19778	1.13290
	GRADIENT	-.00115	.01836	.02013	.02101

RUN NO. 107/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.250	-7.981	-.01296	1.03510	.95213	.87445
1.253	-5.997	-.01358	1.07336	.99496	.91860
1.250	-4.016	-.01377	1.11637	1.04074	.96508
1.252	-2.021	-.01489	1.15753	1.06234	1.01017
1.250	-.008	-.01535	1.19734	1.12618	1.05406
1.250	1.970	-.01549	1.23192	1.16600	1.09420
1.250	4.010	-.01641	1.26761	1.20728	1.13810
1.250	5.973	-.01737	1.29411	1.24030	1.17407
1.247	8.020	-.01835	1.31946	1.27221	1.21045
	GRADIENT	-.00029	.01880	.02179	.02146

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (P4R001) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 108/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.398	-7.966	-.01636	1.06533	.97593	.89770
1.401	-5.976	-.01771	1.10472	1.02089	.94366
1.401	-3.968	-.01904	1.15072	1.06886	.99089
1.401	-2.001	-.01850	1.19520	1.11512	1.03720
1.402	.018	-.01814	1.23830	1.15944	1.08224
1.402	1.970	-.02126	1.27117	1.19862	1.12390
1.401	4.013	-.02066	1.31059	1.24169	1.16804
1.402	5.978	-.02130	1.34250	1.27945	1.20840
1.400	7.998	-.02167	1.37725	1.31965	1.25113
	GRADIENT	-.00030	.01985	.02153	.02212

RUN NO. 111/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.449	-7.908	-.01701	1.06018	.96945	.89350
1.450	-6.112	-.01908	1.09940	1.01318	.93678
1.452	-4.011	-.02131	1.14283	1.06084	.98461
1.452	-2.009	-.02542	1.18583	1.10528	1.03006
1.452	-.147	-.02675	1.22641	1.14524	1.07012
1.452	1.976	-.02794	1.27106	1.19347	1.11934
1.451	3.934	-.02714	1.31084	1.23917	1.16540
1.450	5.988	-.02664	1.34855	1.28234	1.21112
1.449	7.949	-.02628	1.37814	1.31851	1.25152
	GRADIENT	-.00071	.02119	.02239	.02269

RUN NO. 112/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.498	-7.970	-.03421	1.05667	.96512	.89034
1.500	-5.954	-.03660	1.09897	1.01127	.93705
1.501	-3.999	-.03302	1.13931	1.05415	.97995
1.500	-2.000	-.03114	1.19071	1.10539	1.02995
1.500	.018	-.03100	1.23592	1.15076	1.07512
1.499	1.970	-.03101	1.27763	1.19803	1.12285
1.499	4.013	-.02734	1.31930	1.24643	1.17279
1.499	6.009	-.02991	1.35563	1.28790	1.21782
1.500	7.970	-.03216	1.38463	1.32391	1.25658
	GRADIENT	.00058	.02235	.02387	.02394

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (P4R001) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000
PHI = .000

RUN NO. 115/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.550	-7.914	-.03110	1.07033	.96161	.88893
1.551	-6.117	-.03834	1.09698	.99849	.92669
1.552	-3.987	-.02843	1.06967	1.03585	.97077
1.552	-2.012	-.03456	1.09897	1.10740	1.03205
1.550	-.002	-.03718	1.20995	1.17611	1.08941
1.549	1.985	-.03861	1.36360	1.21723	1.13759
1.549	3.960	-.03256	1.33619	1.25050	1.17907
1.547	5.999	-.03575	1.36498	1.29333	1.22344
1.548	7.985	-.04511	1.40016	1.33512	1.26819
	GRADIENT	-.00062	.04013	.02711	.02625

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (P4R002) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.820 BETA = .000
PHI = .000

RUN NO. 58/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.400	-7.965	.00107	.48225	.37518	.33908
.401	-5.998	.00013	.52477	.42576	.39097
.401	-4.039	-.00092	.57348	.48096	.44616
.401	-2.001	-.00212	.62264	.53314	.49867
.401	-.000	-.00311	.67113	.58195	.54808
.401	1.996	-.00433	.71441	.62912	.59768
.401	3.968	-.00525	.75450	.67653	.64581
.401	6.001	-.00637	.79060	.71943	.69105
.401	8.004	-.00757	.81957	.75417	.72987
	GRADIENT	-.00054	.02268	.02435	.02491

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (P4R002) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.820 BETA = .000
PHI = .000

RUN NO. 92/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.600	-7.988	.00054	.66927	.61047	.48868
.600	-6.000	-.00002	.71568	.61615	.54297
.600	-4.049	.00014	.76370	.63550	.59636
.600	-2.020	.00096	.81821	.71682	.65295
.600	.001	.00076	.86503	.79403	.70455
.600	1.990	-.00012	.90324	.83863	.75021
.600	4.016	-.00062	.94237	.84285	.79844
.599	5.964	-.00169	.97343	.92115	.83963
.599	7.997	-.00077	1.00278	.95749	.87955
	GRADIENT	-.00013	.02197	.02665	.02490

RUN NO. 102/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.249	-7.940	.00169	1.03135	.94955	.86846
1.251	-5.965	-.00095	1.07374	.99643	.91676
1.251	-4.015	-.00305	1.11668	1.04129	.96221
1.251	-1.990	-.00556	1.15905	1.08780	1.00946
1.251	-.002	-.00741	1.19806	1.12871	1.05142
1.250	2.006	-.00964	1.23352	1.16860	1.09320
1.250	3.990	-.01177	1.26851	1.20891	1.13605
1.248	5.984	-.01417	1.29482	1.24182	1.17186
1.248	8.004	-.01584	1.31801	1.27097	1.20498
	GRADIENT	-.00108	.01890	.02080	.02156

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (P4R003) (21 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.478 BETA = .000
PHI = .000

RUN NO. 87/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.600	-7.930	.03343	.67468	.58594	.49176
.599	-6.038	.03234	.71930	.63727	.54460
.601	-4.016	.03095	.77023	.69284	.60035
.600	-2.001	.03047	.82142	.74233	.65395
.600	-.016	.02888	.86891	.79776	.70717
.600	2.009	.02502	.90992	.84499	.75565
.600	3.987	.02267	.94547	.88347	.80011
.599	6.006	.02130	.97632	.92431	.84181
.600	7.994	.01995	1.00212	.95584	.87831
	GRADIENT	-.00110	.02193	.02418	.02504

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (P4R004) (21 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.006 BETA = .000
PHI = .000

RUN NO. 60/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.600	-7.928	.02309	.08935	-.01570	-.08032
.598	-6.018	.02384	.11825	.02118	-.04254
.601	-3.987	.02523	.12906	.03505	-.02455
.600	-2.041	.02475	.25042	.15864	.09747
.600	-.088	.02431	.28928	.19950	.13930
.599	1.969	.02332	.32432	.24007	.18208
.600	4.015	.02298	.35988	.28134	.22562
.599	5.990	.02236	.38793	.31446	.26220
.599	8.027	.02187	.41515	.34837	.29972
	GRADIENT	-.00030	.02666	.02859	.02914

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (P4R005) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 212/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.400	-7.999	-.00290	.63193	.52775	.47449
.402	-6.060	-.00224	.67508	.57903	.52670
.402	-4.076	-.00165	.72413	.63470	.58300
.401	-2.014	-.00101	.78070	.69315	.64116
.398	-.015	-.00054	.82547	.74054	.69210
.399	1.946	.00016	.86411	.78433	.73698
.400	3.970	.00075	.90256	.82863	.78373
.400	5.949	.00151	.93578	.86846	.82798
.400	7.977	.00211	.96661	.90617	.86902
	GRADIENT	.00030	.02197	.02390	.02481

RUN NO. 225/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.600	-7.984	.00666	.67470	.56828	.49741
.600	-4.034	.00354	.77068	.67553	.60709
.601	-.051	.00134	.86594	.77632	.71053
.600	4.016	.00104	.94599	.86808	.80740
.600	8.028	.00004	1.00754	.94353	.89046
	GRADIENT	-.00031	.02177	.02391	.02488

RUN NO. 226/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.800	-7.973	.00538	.75622	.64992	.57973
.800	-5.934	.00437	.80278	.70402	.63540
.800	-3.990	.00332	.84877	.75431	.68693
.800	-1.965	.00241	.89801	.80640	.74003
.799	.052	.00161	.94607	.85688	.79172
.800	2.039	.00089	.98270	.89968	.83630
.800	4.026	.00030	1.01679	.93960	.87951
.800	5.998	-.00027	1.04904	.97814	.92149
.800	8.045	-.00037	1.07726	1.01351	.96078
	GRADIENT	-.00038	.02101	.02316	.02403

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (P4R005) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 228/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.899	-7.911	.00957	.81867	.71616	.64702
.899	-6.114	.00379	.85825	.76223	.69441
.898	-3.983	.00319	.90562	.81386	.74719
.900	-2.002	.00137	.94990	.86150	.79585
.899	.024	-.00027	.99538	.90889	.84516
.899	2.020	-.00139	1.03577	.95473	.89221
.900	3.952	-.00287	1.06802	.99278	.93294
.900	6.015	-.00460	1.09856	1.02972	.97309
.900	8.010	-.00422	1.12566	1.06329	1.01084
	GRADIENT	-.00075	.02065	.02268	.02352

RUN NO. 230/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.101	-7.903	.00283	.96978	.87599	.81196
1.102	-6.098	.00243	1.00606	.91791	.85490
1.102	-3.994	.00179	1.04800	.96424	.90193
1.099	-1.974	.00081	1.09040	1.00861	.94784
1.100	-.111	-.00015	1.12703	1.04654	.98719
1.100	2.030	-.00090	1.16413	1.08932	1.03215
1.098	3.916	-.00155	1.19151	1.12148	1.06692
1.098	6.009	-.00248	1.22282	1.15844	1.10766
1.098	8.015	-.00287	1.24779	1.18929	1.14203
	GRADIENT	-.00042	.01820	.01994	.02090

RUN NO. 518/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.250	-6.007	.00526	1.07595	.98444	.91355
1.250	-4.047	.00484	1.11870	1.03005	.95946
1.250	-2.034	.00350	1.16134	1.07526	1.00564
1.250	-.026	.00261	1.20182	1.11822	1.05026
1.250	1.971	.00174	1.23834	1.15866	1.09241
1.250	4.002	.00084	1.27457	1.19992	1.13633
1.250	6.017	.00012	1.30114	1.23339	1.17321
	GRADIENT	-.00049	.01934	.02105	.02191

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (P4R005) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 232/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.398	-7.910	.00667	1.06930	.96773	.90101
1.398	-6.081	.00662	1.10644	1.00943	.94347
1.399	-3.969	.00556	1.15388	1.05878	.99321
1.401	-2.005	.00493	1.19635	1.10297	1.03783
1.399	-.114	.00191	1.23928	1.14616	1.08227
1.400	2.029	.00060	1.27609	1.18840	1.12690
1.400	3.949	-.00094	1.31215	1.22770	1.16789
1.399	5.992	-.00109	1.34589	1.26674	1.20966
1.402	7.998	.00008	1.37766	1.30394	1.24906
	GRADIENT	-.00087	.01993	.02129	.02206

RUN NO. 234/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.450	-7.885	-.00344	1.06244	.95997	.89424
1.451	-5.964	-.00248	1.10436	1.00568	.94045
1.451	-3.972	-.00459	1.14580	1.05093	.98628
1.451	-1.953	-.00167	1.18755	1.09417	1.03109
1.450	.036	.00006	1.23197	1.13720	1.07421
1.449	2.009	-.00047	1.27469	1.18237	1.11975
1.450	3.988	.00167	1.31400	1.22695	1.16606
1.450	6.028	.00401	1.35168	1.26924	1.21059
1.451	8.021	.00496	1.37881	1.30317	1.24850
	GRADIENT	.00069	.02130	.02214	.02254

RUN NO. 236/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.501	-7.897	.00002	1.05920	.95553	.89154
1.501	-6.097	.00078	1.09740	.99673	.93306
1.500	-3.988	.00224	1.14253	1.04508	.98262
1.500	-2.112	.00104	1.18867	1.09022	1.02709
1.499	-.020	.00005	1.23760	1.13799	1.07481
1.499	2.016	-.00117	1.28084	1.18559	1.12331
1.498	3.934	-.00006	1.32005	1.23115	1.17012
1.501	6.003	-.00133	1.35524	1.27191	1.21454
1.501	8.010	.00081	1.38622	1.30859	1.25479
	GRADIENT	-.00034	.02239	.02341	.02359

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (P4R005) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.909 BETA = .000
PHI = .000

RUN NO. 238/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.549	-7.918	.00800	1.07109	.95085	.88894
1.552	-6.084	.00890	1.10067	.99001	.92909
1.550	-3.998	.01129	1.06952	1.02210	.96824
1.552	-2.069	.00670	1.10167	1.09151	1.02895
1.547	.027	.00337	1.21436	1.16271	1.08865
1.550	1.884	-.00013	1.36298	1.20003	1.13301
1.552	3.974	-.00644	1.34042	1.23552	1.17647
1.552	6.019	-.00506	1.36627	1.27861	1.22182
1.548	8.028	-.00225	1.40069	1.32015	1.26633
	GRADIENT	-.00213	.04025	.02690	.02615

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (P4R006) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.484 BETA = .000
PHI = .000

RUN NO. 215/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.601	-7.987	.00356	.67294	.56616	.49635
.600	-6.167	.00269	.71906	.61831	.54954
.599	-4.061	.00219	.76885	.67337	.60580
.601	-2.017	.00159	.81889	.72618	.65948
.601	-.019	.00080	.86679	.77677	.71149
.601	1.974	.00009	.90588	.82148	.75836
.600	3.851	-.00028	.94360	.86516	.80436
.599	5.942	-.00034	.97876	.90743	.85017
.600	7.967	.00012	1.00611	.94158	.88836
	GRADIENT	-.00032	.02204	.02418	.02504

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (P4R007) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 261/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.599	-8.002	.00448	.67772	.56138	.48974
.599	-5.997	.00346	.72720	.61856	.54873
.598	-4.009	.00364	.77990	.67552	.60525
.599	-2.035	.00246	.82819	.72594	.65746
.600	.017	.00101	.87608	.77661	.70995
.599	1.979	.00043	.91576	.82235	.75716
.599	4.001	-.00028	.95291	.86510	.80374
.599	5.986	.00016	.98361	.90258	.84500
.599	8.003	-.00052	1.01306	.93891	.88570
	GRADIENT	-.00049	.02164	.02374	.02479

RUN NO. 273/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.799	-7.974	.00621	.75765	.64513	.56820
.800	-5.956	.00520	.80345	.69877	.62400
.799	-4.030	.00430	.85158	.75107	.67678
.799	-1.996	.00338	.89647	.79901	.72607
.799	.029	.00232	.95244	.85641	.78511
.799	1.994	.00163	.98550	.89603	.82650
.799	3.993	.00100	1.02008	.93636	.87100
.799	5.998	.00021	1.05375	.97637	.91477
.799	8.011	-.00052	1.08339	1.01257	.95472
	GRADIENT	-.00042	.02128	.02335	.02441

RUN NO. 264/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-8.020	.00620	.82022	.70939	.63484
.899	-5.966	.00489	.86600	.76246	.69063
.900	-3.978	.00374	.91182	.81232	.74148
.900	-1.996	.00275	.95672	.85963	.78960
.899	.015	.00148	1.00347	.90850	.83982
.900	1.976	.00107	1.03795	.94865	.88243
.901	4.001	.00027	1.07283	.98937	.92581
.901	5.984	-.00054	1.10499	1.02774	.96823
.900	7.991	-.00186	1.13249	1.06217	1.00605
	GRADIENT	-.00043	.02023	.02223	.02315

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (P4R007) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 272/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.103	-7.977	.00716	.96728	.86682	.79695
1.101	-5.970	.00613	1.01339	.91910	.85070
1.101	-4.001	.00480	1.05646	.96565	.89830
1.101	-2.011	.00338	1.09415	1.00673	.94027
1.102	.024	.00223	1.13746	1.05084	.98643
1.101	1.970	.00139	1.16912	1.08768	1.02448
1.098	4.006	.00049	1.20164	1.12513	1.06522
1.100	5.998	-.00067	1.22259	1.15208	1.09545
1.099	7.986	-.00187	1.25375	1.18941	1.13583
	GRADIENT	-.00053	.01827	.02000	.02091

RUN NO. 265/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.252	-8.020	.00704	1.04133	.93746	.86698
1.253	-5.978	.00646	1.08371	.98527	.91635
1.252	-3.966	.00572	1.12932	1.03304	.96475
1.249	-2.007	.00466	1.17247	1.07934	1.01151
1.251	.000	.00335	1.21167	1.12123	1.05517
1.252	1.978	.00233	1.24091	1.15461	1.08973
1.249	4.037	.00123	1.28084	1.19980	1.13746
1.248	6.001	.00026	1.30558	1.23115	1.17259
1.248	7.990	-.00054	1.33194	1.26334	1.20838
	GRADIENT	-.00057	.01858	.02045	.02119

RUN NO. 271/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.402	-8.004	.00920	1.06856	.96078	.88719
1.401	-5.974	.00878	1.11449	1.01226	.93967
1.402	-4.000	.00718	1.15702	1.05638	.98458
1.401	-1.984	.00577	1.20400	1.10562	1.03340
1.402	.030	.00453	1.24722	1.14958	1.07849
1.401	1.978	.00410	1.28229	1.18986	1.12125
1.401	3.991	.00278	1.32017	1.23194	1.16432
1.400	6.016	.00275	1.35245	1.26978	1.20547
1.397	7.974	.00380	1.38765	1.30985	1.24753
	GRADIENT	-.00053	.02029	.02183	.02243

IA132(AEDC TF-505) TANK UPRT W/O FRNG.LOUVR FILL (P4R007) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = .000
PHI = .000

RUN NO. 268/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.451	-7.970	.00645	1.06749	.95890	.88740
1.449	-6.072	.00600	1.10775	1.00416	.93272
1.449	-4.102	.00409	1.15202	1.05178	.98083
1.451	-2.086	.00322	1.19149	1.09314	1.02341
1.451	-.021	.00159	1.23994	1.14047	1.07054
1.449	1.981	.00051	1.27890	1.18249	1.11350
1.451	3.993	.00088	1.32243	1.23116	1.16259
1.448	5.983	-.00124	1.35670	1.27025	1.20386
1.451	7.997	-.00060	1.38731	1.30822	1.24617
	GRADIENT	-.00045	.02114	.02212	.02239

RUN NO. 269/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.500	-8.002	.00878	1.06024	.95103	.88030
1.500	-5.967	.00661	1.10634	1.00173	.93185
1.500	-3.997	.00403	1.14702	1.04503	.97502
1.500	-1.976	.00346	1.19964	1.09511	1.02488
1.499	-.020	.00345	1.24317	1.13778	1.06609
1.501	2.015	.00225	1.28778	1.18873	1.11803
1.498	3.995	.00072	1.32653	1.23341	1.16442
1.501	5.985	-.00069	1.36135	1.27402	1.20863
1.499	8.005	-.00204	1.39569	1.31380	1.25184
	GRADIENT	-.00039	.02239	.02355	.02363

RUN NO. 270/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.552	-7.913	.00657	1.07618	.95318	.88268
1.550	-5.971	.00624	1.10539	.99089	.92204
1.551	-3.966	.00227	1.08640	1.02600	.9627,
1.549	-1.989	.00561	1.10624	1.09388	1.02220
1.548	-.009	.00464	1.20709	1.16265	1.07889
1.551	2.001	.00320	1.37095	1.20650	1.13014
1.552	4.010	.00067	1.34685	1.24197	1.17334
1.548	5.982	-.00095	1.36958	1.27944	1.21279
1.547	7.992	-.00053	1.40413	1.32000	1.25569
	GRADIENT	-.00028	.03939	.02729	.02653

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (P4R008) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 85/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.401	-7.992	.01402	.62962	.59613	.45305
.401	-6.056	.02182	.67535	.60190	.50770
.401	-4.040	.01606	.72372	.69425	.56344
.399	-2.030	.01032	.77650	.73411	.61881
.399	-.023	.00357	.82386	.74597	.67195
.400	1.951	-.00252	.86226	.84505	.71627
.399	3.940	-.00864	.90168	.85873	.76466
.400	5.936	-.01483	.93373	.86318	.80684
.400	7.939	-.02078	.96324	.96424	.84660
	GRADIENT	-.00312	.02216	.02205	.02507

RUN NO. 88/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.600	-8.046	.05924	.67072	.58259	.48688
.600	-6.055	.03524	.72081	.62857	.54491
.601	-4.062	.02771	.76606	.69717	.59655
.600	-2.037	.02054	.82007	.75338	.65328
.600	-.068	.01289	.86784	.80484	.70534
.600	1.961	.00208	.90824	.84953	.75305
.599	3.960	-.00445	.94733	.88984	.80051
.600	5.937	-.01035	.97664	.92457	.84055
.600	7.924	-.01562	1.00685	.95956	.88112
	GRADIENT	-.00413	.02249	.02402	.02533

RUN NO. 97/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.799	-7.932	.01767	.75629	.66597	.57615
.801	-6.039	.01358	.79970	.71620	.62754
.801	-4.025	.00884	.84589	.76822	.68087
.802	-2.020	.00403	.89668	.82230	.73514
.802	-.070	-.00121	.94143	.82407	.78370
.801	1.941	-.00773	.98218	.91029	.83172
.800	3.924	-.01365	1.01796	.95634	.87580
.800	5.955	-.01946	1.05021	.99593	.91886
.798	7.921	-.02559	1.07691	1.02929	.95578
	GRADIENT	-.00286	.02163	.02340	.02449

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (P4R008) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 99/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.901	-8.053	.02374	.81523	.72651	.63938
.899	-6.015	.01597	.85743	.77609	.69031
.899	-4.051	.00263	.90194	.82530	.74044
.901	-2.074	-.00151	.94816	.87467	.79088
.901	-.063	-.00563	.99450	.92263	.84055
.897	1.976	-.01092	1.02737	.96110	.88041
.903	3.907	-.01514	1.06664	1.00645	.92805
.899	5.922	-.02096	1.09609	1.04182	.96657
.900	7.924	-.02586	1.11665	1.06910	.99808
	GRADIENT	-.00225	.02046	.02247	.02327

RUN NO. 100/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.103	-7.851	.01364	.97083	.89151	.80999
1.100	-6.017	.00703	1.00228	.92894	.84850
1.101	-3.975	.00209	1.04459	.97526	.89575
1.098	-2.041	-.00266	1.08674	1.02055	.94177
1.098	-.045	-.00745	1.12817	1.06253	.98543
1.100	1.960	-.01235	1.16341	1.10294	1.02746
1.102	3.925	-.01822	1.19263	1.13761	1.06460
1.099	5.952	-.02456	1.22051	1.17131	1.10163
1.100	7.987	-.03311	1.24470	1.20148	1.13530
	GRADIENT	-.00254	.01882	.02056	.02138

RUN NO. 103/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.251	-7.931	.01436	1.03693	.95462	.87277
1.251	-6.024	.00736	1.07369	.99654	.91682
1.250	-4.053	.00153	1.11837	1.04482	.96512
1.250	-2.055	-.00529	1.15855	1.08784	1.00870
1.251	-.032	-.01276	1.19833	1.12970	1.05148
1.249	1.947	-.02020	1.23441	1.16934	1.09311
1.248	3.937	-.02871	1.26734	1.20807	1.13398
1.251	5.924	-.03704	1.29645	1.24310	1.17164
1.249	7.913	-.04488	1.31802	1.27137	1.20444
	GRADIENT	-.00377	.01871	.02042	.02113

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (P4R008) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 109/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.400	-7.946	-.01060	1.06617	.97522	.89561
1.400	-6.051	-.01375	1.10683	1.02108	.94163
1.400	-4.073	-.01759	1.15066	1.06742	.98812
1.399	-2.074	-.02052	1.19472	1.11506	1.03632
1.401	-.079	-.02633	1.23812	1.15913	1.08178
1.401	1.925	-.03178	1.27705	1.20416	1.12849
1.400	3.922	-.03590	1.31618	1.24788	1.17344
1.397	5.952	-.04232	1.34721	1.28598	1.21571
1.402	7.935	-.04598	1.37860	1.32231	1.25415
	GRADIENT	-.00239	.02068	.02251	.02315

RUN NO. 110/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.449	-7.896	-.00239	1.06236	.97176	.89311
1.452	-6.081	-.00631	1.10048	1.01412	.93614
1.450	-4.042	-.01078	1.14741	1.06448	.98724
1.450	-2.037	-.01659	1.19431	1.11316	1.03559
1.450	-.067	-.02248	1.23635	1.15684	1.08081
1.449	1.915	-.03232	1.27404	1.20005	1.12540
1.449	3.969	-.03766	1.31804	1.24706	1.17182
1.450	5.916	-.04360	1.35190	1.28529	1.21380
1.449	7.929	-.05047	1.38657	1.32930	1.26158
	GRADIENT	-.00348	.02108	.02263	.02298

RUN NO. 113/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.500	-7.961	-.03664	1.06151	.96871	.89214
1.501	-6.077	-.02072	1.10457	1.01345	.93691
1.501	-4.039	-.02605	1.14737	1.06149	.98602
1.500	-2.042	-.03195	1.19734	1.11304	1.03584
1.500	-.043	-.03748	1.24102	1.15749	1.08175
1.501	1.932	-.04252	1.28302	1.20328	1.12878
1.500	3.961	-.05108	1.32879	1.25371	1.17797
1.499	5.903	-.05670	1.35573	1.29000	1.22023
1.500	7.949	-.06976	1.38897	1.32974	1.26265
	GRADIENT	-.00304	.02245	.02376	.02387

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (P4R008) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 114/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.550	-7.914	-.00402	1.07795	.97242	.89644
1.551	-6.045	-.02090	1.11623	1.01524	.93892
1.551	-4.092	-.01438	1.11081	1.05169	.98144
1.552	-2.063	-.02549	1.09752	1.11483	1.04021
1.550	-.039	-.03745	1.21033	1.18047	1.09328
1.550	1.940	-.03466	1.36723	1.22438	1.14279
1.549	3.937	-.03704	1.34975	1.25689	1.18387
1.548	5.940	-.05537	1.36527	1.29579	1.22591
1.550	7.919	-.07424	1.39854	1.33504	1.26726
	GRADIENT	-.00272	.03723	.02593	.02530

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (P4R009) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.507 BETA = .000
PHI = 180.000

RUN NO. 84/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.399	-8.036	.02718	.62916	.63120	.45487
.401	-6.057	.02127	.67497	.64855	.50838
.402	-4.032	.01500	.72371	.66518	.56456
.401	-2.020	.00858	.77499	.74767	.61946
.401	-.033	.00255	.82162	.79387	.67143
.401	1.937	-.00456	.86433	.79755	.71994
.401	3.956	-.01120	.90319	.88993	.76674
.400	5.953	-.01799	.93613	.90422	.80905
.401	7.931	-.02455	.96210	.90347	.84679
	GRADIENT	-.00329	.02249	.02508	.02533

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (P4R009) (21 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.507 BETA = .000
PHI = 180.000

RUN NO. 61/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.600	-8.181	.04298	.08689	-.01911	-.08401
.601	-6.177	.03708	.13325	.03390	-.02840
.601	-4.185	.03072	.18113	.08685	.02637
.601	-2.177	.02479	.23192	.14060	.07903
.601	-.170	.01860	.28311	.19366	.13258
.600	1.847	.00933	.32500	.24033	.18147
.601	3.869	.00247	.36083	.28227	.22533
.600	5.899	-.00329	.39421	.32155	.26795
.600	7.944	-.00883	.42188	.35496	.30520
	GRADIENT	-.00357	.02247	.02436	.02485

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (P4R010) (21 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.017 BETA = .000
PHI = 180.000

RUN NO. 59/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.401	-8.066	.01650	-1.22169	-1.32579	-1.36482
.401	-6.020	.01216	-1.17153	-1.26597	-1.30553
.401	-4.049	.00788	-1.12547	-1.21384	-1.25128
.401	-2.028	.00341	-1.06830	-1.15054	-1.18850
.400	-.064	-.00109	-1.02850	-1.11065	-1.14495
.399	1.939	-.00614	-.99316	-1.06864	-1.10251
.400	3.938	-.01104	-.95333	-1.02315	-1.05465
.400	5.943	-.00820	-.91310	-.97574	-1.00295
	GRADIENT	-.00238	.02104	.02324	.02404

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (P4R011) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 213/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.402	-7.996	.02754	.65858	.55224	.49516
.398	-6.012	.02083	.70593	.60724	.55103
.398	-4.021	.01421	.75239	.65992	.60588
.398	-2.008	.00730	.80429	.71513	.66120
.399	.009	.00021	.85189	.76567	.71322
.399	1.979	-.00602	.89357	.81196	.76055
.399	3.997	-.01284	.92999	.85501	.80690
.400	5.966	-.01948	.96294	.89302	.84934
.401	7.998	-.02654	.98818	.92755	.88764
	GRADIENT	-.00337	.02220	.02433	.02504

RUN NO. 214/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.600	-7.953	.01390	.67606	.56879	.49674
.601	-6.042	.01030	.72276	.62213	.55137
.600	-4.023	.00622	.77133	.67594	.60669
.600	-1.988	.00251	.82202	.72945	.66078
.600	-.041	-.00177	.87017	.77979	.71241
.599	1.941	-.00558	.91220	.82734	.76167
.600	3.981	-.01028	.95035	.87152	.80915
.599	5.965	-.01470	.98413	.91203	.85296
.599	7.984	-.01901	1.01100	.94625	.89101
	GRADIENT	-.00206	.02248	.02453	.02537

RUN NO. 227/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.800	-8.077	.03522	.75800	.65193	.57999
.800	-6.062	.01604	.80390	.70564	.63511
.800	-4.072	.01057	.85003	.75646	.68721
.800	-2.060	.00543	.89874	.80848	.74021
.799	-.073	-.00011	.94699	.85887	.79173
.800	1.927	-.00481	.98461	.90195	.83697
.799	3.932	-.00989	1.02397	.94698	.88495
.800	5.929	-.01495	1.05405	.98387	.92512
.800	7.929	-.01920	1.08460	1.02096	.96619
	GRADIENT	-.00256	.02169	.02373	.02462

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (P4R011) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 229/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.899	-7.897	.01567	.82347	.72083	.65075
.900	-6.088	.01212	.85997	.76433	.69573
.900	-4.101	.00871	.90530	.81411	.74646
.900	-2.092	.00461	.95177	.86358	.79730
.901	-.081	.00023	.99684	.91049	.84550
.899	1.887	-.00288	1.03678	.95559	.89212
.901	3.925	-.00693	1.07042	.99526	.93443
.899	5.945	-.01112	1.10260	1.03323	.97568
.900	7.885	-.01504	1.13181	1.06895	1.01505
	GRADIENT	-.00194	.02073	.02268	.02350

RUN NO. 231/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.100	-8.015	.02061	.97143	.87711	.81221
1.101	-6.085	.01588	1.00813	.92004	.85645
1.098	-4.054	.01112	1.04999	.96590	.90340
1.099	-2.065	.00603	1.09018	1.00877	.94737
1.100	-.074	.00091	1.13185	1.05173	.99185
1.100	1.900	-.00353	1.16451	1.08938	1.03168
1.100	3.893	-.00870	1.19667	1.12672	1.07131
1.100	5.922	-.01340	1.22554	1.16133	1.10954
1.102	7.904	-.01775	1.25183	1.19255	1.14474
	GRADIENT	-.00248	.01851	.02025	.02115

RUN NO. 519/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.250	-6.022	.02954	1.07293	.98121	.91101
1.250	-4.013	.00648	1.11741	1.02919	.95874
1.250	-1.951	.00177	1.16257	1.07564	1.00618
1.251	-.031	-.00260	1.20000	1.11585	1.04817
1.250	2.024	-.00715	1.23729	1.15700	1.09126
1.250	4.028	-.02032	1.27168	1.19678	1.13336
1.250	5.958	-.01900	1.29943	1.23060	1.17070
	GRADIENT	-.00312	.01911	.02077	.02165

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (P4R011) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 233/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.400	-7.997	.01184	1.06697	.96412	.89545
1.401	-6.100	.02866	1.10677	1.00843	.94045
1.399	-4.098	.00867	1.15261	1.05635	.98916
1.400	-2.044	.00443	1.19911	1.10531	1.03924
1.398	-.088	.00136	1.24240	1.14958	1.08488
1.397	1.912	-.00296	1.28337	1.19459	1.13154
1.397	3.906	-.00718	1.32140	1.23711	1.17605
1.397	5.905	-.01374	1.35180	1.27430	1.21713
1.399	7.909	-.01728	1.38074	1.30845	1.25428
	GRADIENT	-.00196	.02113	.02258	.02335

RUN NO. 235/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.450	-8.018	.02357	1.06128	.95829	.89076
1.451	-6.067	.01796	1.10309	1.00472	.93779
1.452	-4.083	.01442	1.14863	1.05260	.98740
1.450	-2.085	.00810	1.19446	1.09940	1.03411
1.450	-.085	.00421	1.23971	1.14559	1.08195
1.450	1.924	-.00447	1.27653	1.18815	1.12616
1.449	3.897	-.00725	1.31984	1.23253	1.17056
1.451	5.902	-.01436	1.35327	1.27110	1.21249
1.451	7.892	-.02010	1.38900	1.31534	1.26104
	GRADIENT	-.00280	.02126	.02246	.02295

RUN NO. 237/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.499	-8.009	.01388	1.06271	.95804	.89243
1.500	-6.131	.01963	1.10700	1.00371	.93840
1.499	-4.070	.01448	1.15055	1.05181	.98819
1.499	-2.078	.00732	1.20068	1.10241	1.03813
1.500	-.085	.00128	1.24340	1.14592	1.08323
1.500	1.920	-.00403	1.28661	1.19205	1.13018
1.500	3.913	-.01231	1.33113	1.24019	1.17795
1.499	5.916	-.01858	1.35910	1.27715	1.22093
1.500	7.925	-.02239	1.39357	1.31732	1.26401
	GRADIENT	-.00325	.02240	.02336	.02362

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (P4R011) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.933 BETA = .000
PHI = 180.000

RUN NO. 239/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.548	-8.181	.00058	1.07359	.95752	.89383
1.551	-6.026	-.00133	1.11911	1.00529	.94149
1.551	-4.004	.00310	1.10440	1.04089	.98435
1.551	-1.946	.00742	1.10590	1.10647	1.04393
1.550	-.019	.00413	1.21927	1.16848	1.09506
1.549	1.991	.00908	1.37107	1.21165	1.14433
1.548	4.098	.01104	1.34681	1.24592	1.18830
1.552	6.109	.01322	1.36988	1.28426	1.22940
1.552	8.139	.01334	1.40493	1.32566	1.27218
	GRADIENT	.00088	.03708	.02555	.02523

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (P4R012) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.952 BETA = .000
PHI = 180.000

RUN NO. 266/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.249	-7.989	.01895	1.04080	.93802	.86728
1.248	-6.070	.01436	1.07698	.97996	.91160
1.251	-4.042	.00905	1.12221	1.02810	.95951
1.251	-2.065	.00408	1.16636	1.07473	1.00660
1.251	-.022	-.00150	1.20505	1.11584	1.04958
1.249	1.921	-.00648	1.23938	1.15452	1.08965
1.252	3.965	-.01178	1.27447	1.19525	1.13219
1.249	5.928	-.01761	1.30078	1.22751	1.16856
1.252	7.928	-.02333	1.32868	1.26034	1.20453
	GRADIENT	-.00261	.01887	.02070	.02142

IA132(AEDC TF-505) TANK INVT W/O FRNG,LOUVR FILL (P4R013) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.951 BETA = .000
PHI = 180.000

RUN NO. 267/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.250	-7.927	.01322	1.04453	.94251	.87189
1.250	-4.042	.00412	1.12372	1.02964	.96078
1.248	-.036	.00323	1.21323	1.12373	1.05732
	GRADIENT	-.00022	.02234	.02348	.02409

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (P4R014) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.023 BETA = .000
PHI = .000

RUN NO. 82/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.401	.029	-.00286	.79569	.77333	.65079
	GRADIENT	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (P4R015) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.001 BETA = .000
PHI = .000

RUN NO. 86/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.399	-.012	.00474	.79220	.76882	.64284
	GRADIENT	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK +90 W/O FRNG,LOUVR FILL (P4R016) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.226 ALPHA = .000
PHI = 90.000

RUN NO. 89/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CP9	CP10	CP11
.599	-8.386	-.07000	.73007	.68325	.60385
.601	-6.450	-.07185	.78332	.72368	.64141
.600	-4.432	-.07353	.82582	.72921	.67214
.601	-2.388	-.07433	.85000	.78105	.69102
.599	-.349	-.07628	.86442	.78520	.70270
.600	1.190	-8.43917	.65059	.56523	.47385
.600	1.673	-.07983	.85917	.78555	.70022
.600	3.654	-.08320	.83984	.78405	.68537
.599	5.734	-.08379	.80495	.78206	.66223
.600	7.767	-.08463	.75397	.70896	.62720
	GRADIENT	-.25394	-.00419	-.00088	-.00484

RUN NO. 104/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CP9	CP10	CP11
1.248	-8.452	.02027	1.10117	1.05159	.98315
1.251	-6.638	.02287	1.13724	1.07982	1.00777
1.251	-4.476	.02773	1.17429	1.11023	1.03502
1.251	-2.377	.02923	1.19466	1.12720	1.04976
1.251	-.346	.02693	1.20195	1.13322	1.05613
1.252	1.715	.02213	1.19995	1.13223	1.05526
1.250	3.679	.02027	1.18679	1.12234	1.04705
1.247	5.775	.02032	1.15760	1.09922	1.02681
1.250	7.881	.01920	1.12034	1.07041	1.00184
	GRADIENT	-.00108	.00152	.00146	.00147

IA132(AEDC TF-505) TANK +90 W/O FRNG,LOUVR FILL (P4R017) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.481 ALPHA = .000
PHI = 90.000

RUN NO. 217/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CP9	CP10	CP11
.599	-8.436	.00750	.73273	.66890	.61454
.600	-6.351	.00489	.79131	.71592	.65606
.601	-4.396	.00297	.82910	.74616	.68301
.601	-2.326	.00165	.85604	.76853	.70371
.600	-.324	-.00098	.86741	.77833	.71285
.600	1.738	.00022	.86482	.77758	.71261
.599	3.734	-.00156	.84745	.76425	.70081
.600	5.772	-.00393	.81034	.73548	.67543
.599	7.795	-.00701	.76204	.69754	.64230
	GRADIENT	-.00051	.00225	.00224	.00220

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (P4R018) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.212 ALPHA = .000
PHI = -90.000

RUN NO. 90/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CP9	CP10	CP11
.600	-7.782	-.08176	.74661	.71833	.61836
.601	-5.775	-.08206	.79331	.73537	.65072
.600	-3.672	-.08245	.83273	.76731	.67890
.600	-1.693	-.08205	.85410	.78540	.69579
.600	.344	-.08302	.86292	.79282	.70285
.599	2.383	-.08307	.85443	.78637	.69716
.600	4.392	-.08357	.84052	.77588	.68791
.600	6.411	-.08323	.80314	.74774	.66310
.600	8.497	-.08373	.74908	.75083	.62743
	GRADIENT	-.00016	.00078	.00089	.00095

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (P4R018) (21 FEB 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

RN/L = 2.212 ALPHA = .000
PHI = -90.000

RUN NO. 105/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CP9	CP10	CP11
1.250	-7.904	.01593	1.10403	1.05259	.98463
1.248	-5.84E	.01593	1.14394	1.08475	1.01310
1.250	-3.759	.01641	1.17404	1.10890	1.03420
1.250	-1.766	.01955	1.19162	1.12287	1.04739
1.250	.317	.02216	1.19698	1.12806	1.05217
1.251	2.350	.02276	1.19389	1.12588	1.04986
1.253	4.447	.02383	1.17476	1.11005	1.03628
1.251	6.432	.02422	1.14992	1.09220	1.02122
1.252	8.476	.02116	1.11089	1.06215	.99518
	GRADIENT	.00088	.00016	.00024	.00031

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (P4R019) (21 FEB 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

RN/L = 2.480 ALPHA = .000
PHI = -90.000

RUN NO. 218/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CP9	CP10	CP11
.599	-7.802	-.00612	.75275	.68745	.63179
.600	-5.775	-.00492	.80233	.72654	.66606
.599	-3.738	-.00270	.84123	.75822	.69432
.599	-1.712	-.00058	.86377	.77720	.71166
.600	.325	.00028	.86991	.78231	.71650
.600	2.317	.00349	.86139	.77608	.71091
.600	4.385	.00543	.83958	.75919	.69540
.600	6.370	.00801	.80527	.73279	.67301
.600	8.425	.01070	.75458	.69372	.63949
	GRADIENT	.00100	-.00029	.00003	.00006

IA132(AEDC TF-505) TANK -90 W/O FRNG,LOUVR FILL (P4R020) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.479 ALPHA = .000
PHI = -90.000

RUN NO. 219/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CP9	CP10	CP11
.600	-7.797	-.00681	.75166	.68660	.63096
.600	-5.777	-.00513	.80256	.72688	.66595
.601	-3.749	-.00318	.83735	.75488	.69103
.600	-1.710	-.00085	.86207	.77554	.71029
.599	.324	.00112	.87231	.78460	.71851
.600	2.346	.00452	.86498	.77959	.71426
.599	4.391	.00634	.84136	.76122	.69730
.600	6.413	.00806	.80466	.73252	.67266
.600	6.840	.00894	.80548	.73327	.67344
.599	8.418	.01023	.75645	.69569	.64076
	GRADIENT	.00120	.00054	.00082	.00081

IA132(AEDC TF-505) TANK UPRT W/O FRNG,LOUVR FILL (P4R021) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.826 BETA = .000
PHI = .000

RUN NO. 117/ 0 RN/L = 3.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.601	-8.488	-.03730	.65750	.56085	.48582
.601	-6.443	-.03852	.70861	.61884	.54440
.599	-4.427	-.03963	.75986	.67327	.59944
.599	-2.359	-.04179	.81363	.72979	.65640
.600	-.310	-.04042	.85691	.77742	.70549
.600	1.744	-.04360	.90195	.82796	.75893
.600	3.764	-.04541	.93948	.87095	.80433
	GRADIENT	-.00065	.02185	.02410	.02501

IA132(AEDC TF-505) TANK W/O FRNG, LOUVR FILL (P4R022) (16 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.229 ALPHA = .000
BETA = .000

RUN NO. 91/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
.600	-.070	-179.96000	.86256	.78112	.70093
.600	-.068	-135.00000	.86470	.79216	.70309
.600	-.063	-90.01000	.86316	.78608	.70269
.599	-.063	-45.03000	.86431	.78333	.70375
.600	-.063	.04000	.86380	.78203	.70309
.600	-.061	45.04000	.86309	.78182	.70216
.600	-.058	90.06000	.86367	.78336	.70328
.600	-.058	135.08000	.86331	.78666	.70175
.600	-.056	179.90000	.86295	.79441	.70200
	GRADIENT	27611.82178	-.01777	.41008	.02700

RUN NO. 106/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
1.248	.022	-179.99000	1.19873	1.12993	1.05360
1.250	.016	-135.03000	1.19708	1.12757	1.05298
1.249	.017	-90.05000	1.19631	1.12671	1.05290
1.250	.012	-45.04000	1.19726	1.12791	1.05288
1.250	.011	.08000	1.19828	1.12872	1.05359
1.250	.011	45.05000	1.19974	1.13050	1.05551
1.250	.015	90.01000	1.20207	1.13313	1.05788
1.250	.018	135.03000	1.20104	1.13257	1.05679
	GRADIENT	**********	.02233	.08100	.00245

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R025) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 447/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.599	-5.960	-5.98274	.64610	.56645	.49529
.599	-3.956	-5.99300	.69782	.61984	.55009
.601	-1.956	-5.94485	.74411	.67009	.60113
.599	-.006	-6.00240	.78927	.71833	.65235
.599	2.003	-6.02801	.83082	.76481	.70070
.599	3.997	-6.01630	.86906	.80823	.74657
.599	6.009	-6.00397	.90535	.85028	.79254
	GRADIENT	-.00651	.02160	.02373	.02479

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R025) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 439/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.799	-6.015	-5.99754	.73030	.64802	.57621
.799	-4.032	-6.04108	.78019	.70018	.62873
.799	-1.989	-6.02091	.82707	.75053	.68028
.799	.009	-5.97552	.87264	.80014	.73195
.799	2.019	-6.07842	.91044	.84334	.77741
.799	3.984	-5.96867	.95034	.88762	.82392
.799	6.039	-6.04684	.98406	.92754	.86785
	GRADIENT	.00433	.02114	.02334	.02433

RUN NO. 480/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-5.968	-5.97754	.79859	.71307	.64590
.900	-3.970	-5.99599	.84531	.76252	.69600
.901	-1.964	-5.95427	.88666	.80708	.74213
.900	.006	-5.98293	.93217	.85636	.79275
.900	1.998	-5.98953	.97065	.89910	.83804
.900	4.022	-6.01380	1.00761	.94149	.88324
.900	6.019	-6.01892	1.04032	.97982	.92450
	GRADIENT	-.00355	.02048	.02256	.02358

RUN NO. 428/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.100	-5.970	-5.96947	.95441	.87874	.81244
1.100	-3.986	-6.00142	.99470	.92133	.85612
1.099	-2.014	-6.02855	1.03318	.96306	.89869
1.100	-.007	-5.93498	1.07176	1.00480	.94213
1.100	2.028	-6.03390	1.10666	1.04374	.98395
1.099	4.012	-6.01972	1.13996	1.08158	1.02309
1.099	6.029	-6.02159	1.16883	1.11610	1.06072
	GRADIENT	-.00212	.01817	.02002	.02092

RUN NO. 358/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.251	-5.963	-5.96759	1.02664	.94263	.87751
1.249	-3.947	-5.98922	1.06902	.98734	.92342
1.251	-1.963	-5.96033	1.10816	1.02895	.96585
1.250	.002	-5.98157	1.14421	1.06871	1.00705
1.249	1.994	-6.02377	1.18035	1.10939	1.04993
1.250	4.011	-6.03809	1.21653	1.14998	1.09257
1.249	6.013	-5.99662	1.24773	1.18604	1.13126
	GRADIENT	-.00812	.01848	.02042	.02125

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R025) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -6.000
PHI = .000

RUN NO. 414/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.401	-5.986	-5.98749	1.05691	.96824	.89847
1.399	-4.020	-6.01256	1.10233	1.01580	.94567
1.400	-1.996	-5.98268	1.14534	1.05996	.99040
1.400	-.016	-6.00871	1.18727	1.10491	1.03591
1.400	2.011	-6.04840	1.22806	1.14912	1.08126
1.400	4.022	-6.00184	1.26694	1.19176	1.12584
1.401	6.010	-6.02485	1.29957	1.23004	1.16761
	GRADIENT	-.00220	.02050	.02195	.02246

RUN NO. 367/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.449	-6.018	-6.01756	1.05399	.96410	.89683
1.450	-3.997	-6.00836	1.10290	1.01490	.94750
1.450	-2.004	-6.02887	1.14854	1.06277	.99545
1.450	.006	-5.94463	1.19541	1.11221	1.04489
1.450	2.012	-6.05187	1.23564	1.15665	1.09107
1.450	3.997	-6.00110	1.27315	1.19799	1.13441
1.450	6.045	-6.00868	1.31002	1.23977	1.17803
	GRADIENT	-.00043	.02138	.02300	.02347

RUN NO. 404/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.500	-6.007	-6.01710	1.05737	.96677	.89831
1.500	-4.042	-6.03477	1.10553	1.01676	.94795
1.501	-1.988	-5.98614	1.15384	1.06777	.99881
1.500	-.000	-5.98931	1.19819	1.11450	1.04644
1.499	2.012	-6.03448	1.24228	1.16200	1.09461
1.500	4.000	-6.01586	1.28073	1.20448	1.13667
1.500	6.026	-6.01065	1.31808	1.24629	1.18270
	GRADIENT	-.00050	.02185	.02339	.02376

RUN NO. 383/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.551	-6.013	-6.01483	1.06299	.96692	.90119
1.550	-4.029	-6.01395	1.11034	1.01403	.94673
1.549	-2.013	-6.03287	1.15928	1.06501	.99786
1.550	-.003	-5.96696	1.20279	1.11310	1.04606
1.550	2.019	-6.03627	1.24371	1.15997	1.09312
1.550	4.004	-5.99486	1.27955	1.20022	1.13515
1.548	5.970	-5.95432	1.32289	1.24880	1.18513
	GRADIENT	.00172	.02104	.02326	.02349

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R026) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.267 BETA = -6.000
PHI = .000

RUN NO. 277/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.598	-5.963	-5.97432	.65250	.55921	.49024
.599	-3.956	-5.99929	.70149	.61047	.54338
.599	-1.996	-6.00251	.75087	.66325	.59814
.598	-.990	-5.98443	.77465	.68857	.62363
.600	.001	-5.97483	.79406	.71065	.64691
.598	1.005	-6.03652	.81759	.73560	.67316
.599	1.990	-5.97823	.83842	.75949	.69804
.599	3.976	-5.96190	.88047	.80571	.74741
.599	6.018	-6.02543	.91344	.84540	.79070
	GRADIENT	.00349	.02240	.02447	.02555

RUN NO. 315/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.901	-5.989	-5.99623	.80473	.71362	.64599
.899	-3.997	-6.00528	.85242	.76392	.69721
.900	-1.967	-5.94354	.89973	.81449	.74894
.899	.006	-6.00474	.93898	.85716	.79412
.901	2.014	-6.04534	.97738	.90045	.83973
.899	3.991	-5.99294	1.01653	.94436	.88585
.900	6.040	-6.03570	1.04880	.98271	.92770
	GRADIENT	-.00385	.02034	.02239	.02345

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R027) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.001 BETA = -6.000
PHI = .000

RUN NO. 312/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.902	-5.977	-5.97792	.80791	.71717	.64932
.899	-3.972	-5.96631	.85314	.76537	.69812
.900	-1.951	-5.96507	.89873	.81439	.74880
.900	-.993	-6.01387	.91796	.83512	.77046
.900	.010	-6.00298	.93905	.85831	.79426
.900	.998	-5.98224	.95939	.88107	.81872
.900	2.012	-6.04342	.97694	.90087	.83971
.900	4.011	-6.02262	1.01435	.94361	.88501
.899	6.020	-6.01254	1.04795	.98274	.92739
	GRADIENT	-.00836	.02014	.02227	.02336

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R028) (21 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 448/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.599	-6.043	-4.05095	.68029	.59249	.51803
.600	-4.012	-4.03793	.73054	.64534	.57204
.599	-1.968	-4.06052	.78192	.69953	.62748
.599	.000	-3.97796	.82723	.74971	.67926
.599	2.005	-3.93847	.87137	.79788	.73041
.599	3.971	-3.97489	.90991	.84168	.77733
.600	5.952	-3.93987	.94159	.87936	.81834
	GRADIENT	.01243	.02248	.02463	.02576

RUN NO. 440/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.799	-5.979	-4.01016	.76803	.67796	.60178
.799	-4.004	-4.03035	.81306	.72660	.65126
.799	-1.958	-4.01973	.86156	.77839	.70483
.799	-.001	-4.04645	.90388	.82526	.75363
.799	2.002	-3.93831	.94797	.87371	.80499
.799	3.964	-3.96198	.98468	.91561	.84978
.799	6.015	-3.99105	1.01754	.95500	.89230
	GRADIENT	.01097	.02160	.02379	.02499

RUN NO. 481/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-6.034	-4.05113	.82962	.73736	.66685
.900	-4.004	-4.03005	.87735	.78775	.71805
.900	-1.964	-4.04642	.92111	.83477	.76667
.900	-.014	-3.99767	.96175	.88066	.81420
.900	2.001	-3.91723	1.00332	.92614	.86235
.899	3.967	-3.96216	1.03996	.96806	.90697
.900	5.951	-3.96869	1.07217	1.00569	.94799
	GRADIENT	.01331	.02047	.02271	.02379

RUN NO. 429/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.098	-6.009	-4.01430	.98039	.89825	.82884
1.100	-3.989	-4.04300	1.02037	.94124	.87340
1.100	-2.002	-4.08600	1.06055	.98427	.91751
1.100	.011	-3.95203	1.09984	1.02691	.96247
1.100	2.014	-3.96633	1.13692	1.06897	1.00639
1.101	3.956	-3.93092	1.16899	1.10592	1.04557
1.100	5.997	-4.00215	1.19845	1.14048	1.08272
	GRADIENT	.01730	.01877	.02081	.02177

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R028) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 359/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.250	-5.969	-3.99129	1.05237	.96326	.89562
1.250	-3.992	-4.02567	1.09180	1.00491	.93828
1.250	-1.966	-4.04408	1.13326	1.04941	.98328
1.250	-.002	-4.01388	1.16980	1.09016	1.02548
1.250	2.002	-3.94760	1.20992	1.13439	1.07156
1.249	3.971	-3.95156	1.24431	1.17341	1.11273
1.251	6.010	-3.99759	1.27450	1.20889	1.15220
	GRADIENT	.01229	.01918	.02121	.02197

RUN NO. 415/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.400	-6.018	-4.01459	1.08473	.98989	.91707
1.400	-4.015	-4.04066	1.12824	1.03583	.96268
1.400	-1.984	-4.09176	1.17140	1.08195	1.00911
1.400	.005	-3.96710	1.21435	1.12821	1.05639
1.399	2.002	-3.93677	1.25567	1.17346	1.10339
1.399	3.960	-3.95650	1.29204	1.21382	1.14602
1.400	5.959	-3.97340	1.32670	1.25244	1.18610
	GRADIENT	.01621	.02066	.02245	.02312

RUN NO. 368/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.450	-6.025	-4.01414	1.08091	.98502	.91405
1.450	-4.009	-4.04176	1.12934	1.03476	.96358
1.450	-1.961	-4.02307	1.17586	1.08470	1.01458
1.450	.004	-4.03301	1.21906	1.13008	1.06024
1.449	2.001	-3.91918	1.26078	1.17498	1.10595
1.450	4.013	-4.00879	1.30062	1.21959	1.15217
1.450	6.029	-4.01515	1.33294	1.25837	1.19486
	GRADIENT	.00847	.02137	.02299	.02342

RUN NO. 405/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.500	-5.985	-4.00598	1.08523	.98863	.91730
1.501	-4.027	-4.06360	1.13102	1.03634	.96502
1.500	-1.965	-4.03926	1.17975	1.08776	1.01671
1.501	.003	-3.97443	1.22205	1.13317	1.06289
1.500	2.006	-3.94408	1.26441	1.17917	1.11042
1.500	3.968	-3.97513	1.30482	1.22296	1.15493
1.499	5.961	-3.96708	1.34149	1.26513	1.19931
	GRADIENT	.01366	.02166	.02328	.02373

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R028) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = -4.000
PHI = .000

RUN NO. 385/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.551	-5.954	-3.97413	1.09811	.99002	.92056
1.549	-4.015	-4.03625	1.14978	1.04084	.97039
1.550	-1.969	-4.08122	1.19721	1.08789	1.01714
1.551	-.001	-3.97410	1.23664	1.13309	1.06299
1.550	2.009	-3.94363	1.27210	1.17821	1.10965
1.550	3.994	-3.98324	1.30900	1.22407	1.15642
1.550	5.978	-3.96744	1.34782	1.26926	1.20339
	GRADIENT	.01214	.01967	.02283	.02322

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R029) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.269 BETA = -4.000
PHI = .000

RUN NO. 278/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.599	-6.049	-4.03997	.68601	.58457	.51270
.599	-3.981	-3.98539	.73939	.63968	.56894
.599	-2.023	-4.03274	.78746	.69128	.62212
.599	-1.004	-3.95431	.81143	.71778	.64952
.598	-.021	-3.99013	.83375	.74268	.67540
.598	.997	-4.01469	.85585	.76676	.70090
.600	2.002	-4.02378	.87372	.78790	.72340
.599	4.013	-4.02707	.91625	.83536	.77392
.598	6.085	-4.04068	.95368	.87864	.82100
	GRADIENT	-.00497	.02199	.02438	.02555

RUN NO. 316/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-6.004	-4.01051	.83919	.74041	.66940
.900	-3.955	-3.95702	.88814	.79164	.72188
.900	-1.975	-3.94172	.93096	.83813	.76972
.900	-.040	-3.98250	.96986	.88188	.81563
.900	1.976	-4.05560	1.00980	.92680	.86282
.900	4.019	-4.02313	1.04728	.96935	.90839
.899	6.050	-4.03914	1.08010	1.00775	.95058
	GRADIENT	-.01234	.01995	.02231	.02342

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R030) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.002 BETA = -4.000
PHI = .000

RUN NO. 313/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-6.006	-4.01232	.83647	.73909	.66777
.900	-4.032	-4.04291	.88165	.78671	.71656
.900	-1.966	-3.91296	.93027	.83910	.77007
.900	-1.017	-3.97383	.94828	.85915	.79148
.900	-.023	-3.97979	.96959	.88335	.81652
.900	.989	-4.04147	.98791	.90345	.83837
.900	1.994	-4.00335	1.00991	.92783	.86374
.900	4.009	-4.03435	1.04586	.96929	.90798
.900	5.995	-3.99061	1.07939	1.00847	.95076
	GRADIENT	-.00499	.02033	.02262	.02376

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R031) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 449/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.600	-6.019	-2.02823	.70414	.61069	.53525
.599	-4.013	-1.99825	.75821	.66614	.59120
.599	-1.992	-1.94062	.80546	.71818	.64480
.600	-.012	-1.94444	.84987	.76763	.69646
.599	1.953	-1.95759	.89117	.81476	.74579
.599	3.956	-1.97610	.93090	.85913	.79326
.599	5.962	-1.98244	.96704	.90122	.83869
	GRADIENT	.00140	.02168	.02427	.02540

RUN NO. 441/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.800	-6.006	-2.01149	.78525	.69133	.61346
.800	-4.040	-2.02435	.83625	.74378	.66683
.799	-2.025	-2.02586	.88170	.79417	.71894
.797	-.008	-1.96516	.92614	.84450	.77112
.799	1.952	-1.96600	.96654	.88999	.81860
.799	3.977	-1.99917	1.00468	.93316	.86552
.800	6.034	-2.02448	1.03805	.97286	.90847
	GRADIENT	.00551	.02107	.02372	.02484

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R031) (21 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 482/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-5.956	-2.06115	.85067	.75444	.68213
.900	-4.011	-2.01355	.89790	.80275	.73158
.900	-1.966	-1.92702	.93981	.84969	.78009
.900	-.007	-2.05013	.98267	.89771	.83005
.901	1.976	-1.97322	1.01676	.93651	.87140
.900	3.962	-1.98776	1.05863	.98388	.92095
.899	5.973	-1.99820	1.09025	1.02219	.96230
	GRADIENT	.00033	.02003	.02258	.02364

RUN NO. 430/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.100	-5.965	-1.98007	.99823	.91268	.84210
1.102	-3.975	-2.00029	1.04388	.95943	.89026
1.101	-1.966	-1.91463	1.08131	1.00191	.93408
1.100	-.010	-2.05005	1.11644	1.04086	.97489
1.099	1.999	-2.00362	1.15312	1.08212	1.01852
1.101	3.959	-1.97545	1.18515	1.11907	1.05725
1.100	5.954	-1.98954	1.21387	1.15280	1.09490
	GRADIENT	-.00194	.01787	.02014	.02110

RUN NO. 360/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.250	-5.953	-2.03615	1.06850	.97738	.90841
1.250	-3.992	-2.00539	1.11134	1.02153	.95232
1.250	-2.019	-1.95831	1.15157	1.06372	.99619
1.250	-.009	-2.02650	1.18782	1.10528	1.03950
1.250	1.997	-1.99900	1.22639	1.14848	1.08402
1.250	4.000	-1.99362	1.26221	1.18933	1.12732
1.250	6.014	-2.00874	1.29223	1.22519	1.16700
	GRADIENT	-.00087	.01883	.02102	.02189

RUN NO. 416/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.400	-5.958	-1.98641	1.10431	1.00557	.93197
1.400	-3.982	-1.99167	1.14806	1.05086	.97691
1.400	-1.981	-1.91795	1.19175	1.09842	1.02556
1.400	-.006	-2.06053	1.23015	1.14193	1.07002
1.400	1.960	-1.96382	1.26954	1.18537	1.11516
1.398	3.954	-1.98866	1.30841	1.22816	1.15977
1.399	6.024	-2.01818	1.34228	1.26741	1.20177
	GRADIENT	-.00201	.02011	.02228	.02298

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R031) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.037 BETA = -2.000
PHI = .000

RUN NO. 369/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.450	-5.955	-2.05420	1.10134	.99985	.92777
1.450	-4.015	-2.00850	1.14703	1.04804	.97658
1.450	-2.009	-2.01197	1.19207	1.09637	1.02507
1.450	-.007	-2.03166	1.23487	1.14248	1.07205
1.449	1.992	-2.00061	1.27408	1.18519	1.11543
1.450	3.956	-1.97614	1.31090	1.22717	1.15870
1.450	5.979	-1.98663	1.34805	1.26926	1.20346
	GRADIENT	.00380	.02055	.02242	.02280

RUN NO. 406/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.500	-5.959	-2.04291	1.10528	1.00317	.92982
1.499	-4.036	-2.03166	1.15189	1.05072	.97785
1.501	-2.019	-2.00881	1.19625	1.09854	1.02658
1.500	-.004	-2.05385	1.23988	1.14797	1.07734
1.500	2.005	-2.01230	1.27990	1.19157	1.12142
1.500	4.010	-1.99662	1.31610	1.23316	1.16465
1.499	6.019	-2.00668	1.35468	1.27635	1.20952
	GRADIENT	.00331	.02049	.02276	.02329

RUN NO. 386/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.551	-6.016	-2.01129	1.11171	1.00567	.93308
1.551	-3.999	-2.00544	1.15288	1.05526	.98200
1.550	-1.985	-1.92471	1.15408	1.10424	1.03209
1.551	-.002	-2.00490	1.21298	1.15669	1.07938
1.549	2.010	-2.01096	1.33546	1.19881	1.12515
1.550	3.967	-1.98389	1.32233	1.23313	1.16561
1.549	5.994	-1.98424	1.35987	1.27871	1.21202
	GRADIENT	-.00216	.02612	.02260	.02310

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R032) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.269 BETA = -2.000
PHI = .000

RUN NO. 279/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.599	-5.993	-1.99457	.71183	.60667	.53281
.599	-3.911	-1.96865	.76668	.66140	.58975
.599	-1.998	-1.99166	.81224	.71206	.64138
.599	-1.027	-1.95932	.83383	.73635	.66687
.598	-.068	-1.95008	.85947	.76375	.69530
.599	.987	-1.97931	.88049	.78827	.72058
.599	1.974	-1.98016	.90236	.81241	.74614
.600	3.954	-1.97069	.93875	.85414	.79080
.599	6.105	-2.03768	.97552	.89809	.83811
	GRADIENT	-.00016	.02209	.02470	.02576

RUN NO. 318/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-5.955	-2.00844	.86040	.75700	.68506
.899	-4.010	-2.00651	.90865	.80631	.73500
.900	-2.014	-1.93176	.95188	.85447	.78485
.900	-.012	-2.03011	.99264	.90036	.83289
.899	1.975	-1.98291	1.03213	.94529	.88020
.900	3.987	-2.00230	1.06844	.98699	.92448
.900	5.952	-1.98017	1.09866	1.02373	.96431
	GRADIENT	-.00215	.02001	.02263	.02374

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R033) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.999 BETA = -2.000
PHI = .000

RUN NO. 314/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.899	-6.025	-2.01541	.85631	.75451	.68180
.900	-3.988	-1.99062	.90576	.80554	.73378
.900	-2.024	-2.02493	.94650	.85109	.78101
.900	-1.012	-2.01653	.96829	.87558	.80681
.900	-.001	-1.96084	.99131	.90106	.83291
.900	.966	-2.04629	1.01029	.92228	.85572
.900	2.017	-2.05915	1.02953	.94479	.87923
.900	3.964	-1.98723	1.06646	.98644	.92355
.900	5.978	-1.98813	1.09711	1.02377	.96420
	GRADIENT	-.00203	.02032	.02287	.02399

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R034) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.479 BETA = -1.000
PHI = .000

RUN NO. 280/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.599	-6.033	-1.01164	.71298	.60809	.53402
.599	-3.867	-.97174	.76719	.66694	.59497
.599	-1.948	-.95813	.81952	.71898	.64765
.599	-1.008	-1.00032	.83899	.74131	.67070
.598	-.018	-.98420	.86469	.76850	.69934
.599	.988	-1.00512	.88632	.79279	.72511
.599	1.947	-.98097	.90646	.81609	.74917
.599	3.967	-.99188	.94354	.85869	.79478
.600	6.112	-1.02082	.97683	.89918	.83922
	GRADIENT	-.00317	.02252	.02461	.02569

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R035) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 450/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.599	-6.023	-.00029	.71337	.62066	.54462
.599	-4.008	.00025	.76351	.67623	.60193
.600	-1.999	.00034	.81374	.72805	.65424
.600	.004	-.00009	.86054	.77738	.70565
.599	1.999	.00063	.90424	.82578	.75661
.599	3.998	.00072	.94019	.86777	.80139
.599	5.983	.00077	.97557	.90922	.84659
	GRADIENT	.00006	.02218	.02403	.02505

RUN NO. 442/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.799	-5.982	.00530	.79339	.70102	.62263
.800	-4.004	.00414	.83938	.75191	.67576
.798	-1.974	.00215	.89021	.80483	.72962
.802	-.002	.00033	.93379	.85036	.77702
.799	1.989	-.00055	.97557	.89698	.82624
.799	3.988	-.00324	1.01215	.93931	.87163
.799	5.992	-.00519	1.04559	.97901	.91510
	GRADIENT	-.00088	.02161	.02341	.02449

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R035) (21 FEB 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 483/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-5.990	-.00316	.85516	.76050	.68825
.900	-4.005	-.00149	.89992	.81030	.73969
.900	-1.974	-.00074	.94789	.86008	.79010
.900	-.005	.00074	.99121	.90537	.83690
.900	1.987	.00197	1.03057	.95010	.88385
.900	4.012	.00313	1.06552	.99077	.92728
.900	5.962	.00440	1.09576	1.02765	.96771
	GRADIENT	.00060	.02069	.02254	.02344

RUN NO. 431/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.101	-5.968	-.00652	1.00085	.91678	.84644
1.099	-4.032	-.00455	1.04133	.96187	.89294
1.100	-1.997	-.00218	1.08476	1.00731	.93960
1.101	.008	.00029	1.12566	1.04923	.98348
1.099	1.991	.00252	1.16091	1.08885	1.02404
1.098	4.002	.00457	1.19154	1.12415	1.06292
1.098	6.000	.00654	1.22020	1.15851	1.10044
	GRADIENT	.00114	.01878	.02025	.02116

RUN NO. 361/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.250	-5.953	.00048	1.07339	.98309	.91448
1.250	-4.015	.00022	1.11464	1.02759	.95880
1.250	-2.012	.00084	1.15723	1.07270	1.00514
1.250	.030	.00075	1.19966	1.11638	1.05044
1.250	1.986	.00063	1.23604	1.15666	1.09193
1.250	4.012	.00162	1.27153	1.19714	1.13461
1.250	5.967	.00154	1.29965	1.23129	1.17190
	GRADIENT	.00013	.01958	.02110	.02186

RUN NO. 417/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.400	-5.988	.01889	1.10231	1.00934	.93564
1.400	-4.009	-.00019	1.14778	1.05636	.98356
1.400	-1.993	.00141	1.19465	1.10474	1.03139
1.399	.014	.00447	1.23503	1.14610	1.07471
1.400	1.989	.00602	1.27531	1.19017	1.11980
1.400	3.995	.00895	1.31194	1.23139	1.16291
1.400	5.983	.01118	1.34530	1.26993	1.20463
	GRADIENT	.00114	.02046	.02179	.02237

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R035) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 370/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.450	-5.985	-.00291	1.10046	1.00438	.93336
1.449	-4.022	-.00309	1.14238	1.05019	.97948
1.450	-1.984	-.00238	1.18581	1.09431	1.02443
1.450	-.006	-.00178	1.23036	1.13791	1.06772
1.450	2.015	-.00085	1.27189	1.18163	1.11238
1.450	3.991	-.00049	1.31324	1.22820	1.15982
1.450	5.989	.00318	1.34953	1.26970	1.20347
	GRADIENT	.00034	.02136	.02214	.02240

RUN NO. 407/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.500	-5.982	.00352	1.09343	.99955	.92870
1.499	-3.994	-.00209	1.13891	1.04668	.97582
1.499	-1.989	.00129	1.18982	1.09614	1.02404
1.500	-.017	.00141	1.23569	1.14081	1.06877
1.501	1.997	.00142	1.27818	1.18815	1.11689
1.500	3.994	-.00045	1.31971	1.23531	1.16544
1.500	5.995	.00051	1.35625	1.27723	1.21055
	GRADIENT	.00017	.02254	.02351	.02365

RUN NO. 387/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.549	-5.993	.00491	1.10518	.99491	.92346
1.549	-3.979	.00061	1.13825	1.04017	.97050
1.550	-2.001	.00685	1.12750	1.08776	1.02024
1.550	.002	.00024	1.20340	1.15784	1.07900
1.551	1.995	-.00067	1.33938	1.20345	1.12802
1.550	3.995	-.00142	1.33023	1.23899	1.17036
1.549	5.980	-.00345	1.36371	1.28101	1.21395
	GRADIENT	-.00058	.02989	.02574	.02545

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R036) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.279 BETA = .000
PHI = .000

RUN NO. 309/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.597	-5.961	.00454	.71796	.62011	.54667
.597	-3.968	.00255	.76611	.67352	.60177
.597	-2.043	.00138	.82016	.72879	.65717
.598	-.997	.00057	.84254	.75266	.68158
.599	-.013	-.00074	.86371	.77538	.70589
.598	1.002	-.00059	.89016	.80390	.73573
.599	1.971	-.00162	.90726	.82464	.75693
.598	4.016	-.00363	.94749	.87040	.80619
.599	5.985	-.00503	.97663	.90593	.84560
	GRADIENT	-.00076	.02256	.02455	.02552

RUN NO. 319/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-5.968	.00015	.86506	.76399	.69108
.901	-4.015	.00096	.90914	.81307	.74189
.901	-1.988	.00160	.95592	.86243	.79261
.900	.005	.00320	1.00092	.90908	.84061
.900	1.995	.00453	1.03827	.95176	.88589
.899	3.986	.00583	1.07397	.99308	.92972
.899	5.989	.00680	1.10437	1.03048	.97057
	GRADIENT	.00063	.02062	.02249	.02347

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R037) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.494 BETA = .000
PHI = .000

RUN NO. 294/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.597	-5.993	.00062	.72602	.62274	.55028
.597	-4.000	.00036	.77317	.67565	.60446
.598	-2.037	.00119	.82517	.72878	.65794
.598	-.982	.00145	.84999	.75502	.68463
.599	.015	.00179	.87363	.78047	.71159
.599	.982	.00216	.89306	.80192	.73451
.598	1.992	.00259	.91451	.82674	.75966
.598	3.973	.00462	.95043	.86768	.80400
.597	5.989	.00570	.98439	.90849	.84834
	GRADIENT	.00049	.02221	.02412	.02509

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R038) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.480 BETA = .000
PHI = .000

RUN NO. 281/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.599	-5.986	-.00062	.72208	.61611	.54244
.599	-4.005	-.00112	.76620	.66674	.59561
.599	-1.973	-.00168	.82278	.72358	.65244
.600	-1.017	-.00180	.84190	.74450	.67441
.600	.007	-.00225	.86619	.77033	.70157
.598	1.024	-.00172	.89155	.79725	.72939
.600	1.982	-.00213	.90531	.81512	.74836
.599	3.980	-.00245	.94596	.86104	.79738
.600	6.016	-.00225	.97875	.90038	.84027
	GRADIENT	-.00015	.02230	.02419	.02516

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R039) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.477 BETA = 1.000
PHI = .000

RUN NO. 282/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.598	-6.025	1.00938	.71627	.61144	.53756
.599	-3.851	.96651	.77362	.67110	.59852
.599	-1.988	.99786	.81622	.71642	.64499
.599	-.979	.97255	.84140	.74417	.67402
.599	-.018	1.03258	.86497	.76975	.70073
.600	.881	1.03076	.88362	.79083	.72254
.600	1.969	.99018	.90641	.81692	.74956
.598	3.984	.99765	.94765	.86354	.79942
.599	6.100	1.02882	.97892	.90203	.84190
	GRADIENT	.00392	.02233	.02474	.02581

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R040) (21 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 451/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.599	-5.956	1.99078	.70934	.61596	.54096
.600	-4.00E	2.00758	.75650	.66704	.59318
.600	-1.998	2.00518	.80731	.72191	.64939
.600	.006	2.05726	.85197	.77132	.70085
.599	2.007	1.99417	.89777	.82196	.75272
.600	3.981	1.97756	.93478	.86455	.79859
.600	5.954	2.02230	.96531	.90094	.83897
	GRADIENT	-.00354	.02237	.02478	.02573

RUN NO. 443/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.800	-5.997	2.00342	.78960	.69502	.61713
.800	-3.967	1.98091	.83906	.74804	.67211
.799	-1.981	1.98613	.88468	.79839	.72420
.799	.011	2.06175	.92889	.84766	.77542
.799	2.041	1.92827	.97148	.89526	.82485
.802	3.988	1.99230	1.00761	.93658	.86983
.800	6.022	2.02638	1.03712	.97285	.90992
	GRADIENT	-.00182	.02127	.02378	.02489

RUN NO. 484/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-6.009	2.02840	.85229	.75678	.68368
.900	-4.005	2.00039	.89778	.80484	.73378
.900	-2.002	1.99999	.94281	.85466	.78540
.900	.012	2.02625	.98544	.90215	.83437
.899	2.035	1.92032	1.02653	.94802	.88245
.900	4.016	1.96327	1.06030	.98715	.92460
.900	6.023	2.02955	1.09090	1.02465	.96543
	GRADIENT	-.00769	.02036	.02281	.02384

RUN NO. 432/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.100	-5.958	1.99088	.99994	.91374	.84348
1.100	-4.016	2.00411	1.04153	.95832	.88963
1.100	-1.974	1.98158	1.08118	1.00274	.93578
1.100	.011	2.04910	1.11976	1.04441	.97998
1.100	1.996	1.99719	1.15580	1.08507	1.02182
1.100	4.040	2.01946	1.18815	1.12249	1.06204
1.100	5.974	2.01056	1.21487	1.15445	1.09720
	GRADIENT	.00230	.01832	.02045	.02145

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R040) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 362/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.250	-5.964	1.99862	1.07319	.98024	.91054
1.250	-3.980	1.99633	1.11657	1.02596	.95707
1.250	-1.979	1.98308	1.15811	1.07207	1.00465
1.250	.013	2.01096	1.19824	1.11704	1.05069
1.250	2.027	1.92152	1.23707	1.15909	1.09471
1.250	3.990	1.94534	1.26957	1.19629	1.13481
1.247	6.047	2.01971	1.29316	1.22722	1.16945
	GRADIENT	-.00822	.01930	.02144	.02234

RUN NO. 418/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.400	-5.970	2.00949	1.10376	1.00451	.92946
1.400	-3.969	1.97802	1.14841	1.05138	.97717
1.400	-1.982	1.98637	1.18956	1.09665	1.02375
1.400	.016	2.02712	1.22913	1.14072	1.06897
1.400	2.039	1.92766	1.26872	1.18535	1.11560
1.399	4.006	1.95361	1.30750	1.22797	1.15965
1.400	6.023	2.02165	1.34026	1.26664	1.20163
	GRADIENT	-.00541	.01990	.02213	.02287

RUN NO. 371/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.450	-5.958	1.99159	1.10124	1.00026	.92853
1.450	-3.955	1.98460	1.14674	1.04871	.97815
1.449	-2.023	2.02359	1.18624	1.09165	1.02150
1.450	.015	2.02562	1.22519	1.13461	1.06581
1.450	2.003	1.99575	1.26448	1.17772	1.10955
1.449	3.994	1.95164	1.30287	1.22148	1.15416
1.450	6.007	2.03078	1.33977	1.26304	1.19794
	GRADIENT	-.00474	.01960	.02166	.02209

RUN NO. 408/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.499	-5.959	1.99893	1.10345	1.00194	.92810
1.499	-3.975	1.99561	1.15158	1.05162	.97859
1.499	-1.987	1.98639	1.19032	1.09361	1.02194
1.499	.009	2.03060	1.22773	1.13582	1.06576
1.499	2.048	1.92711	1.27244	1.18374	1.11360
1.500	3.968	1.94695	1.30952	1.22724	1.15914
1.500	6.030	2.02132	1.34613	1.26875	1.20352
	GRADIENT	-.00790	.01998	.02216	.02273

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R040) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.038 BETA = 2.000
PHI = .000

RUN NO. 388/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.549	-6.067	2.02667	1.11392	1.00391	.92956
1.550	-4.056	2.08181	1.16402	1.05351	.97691
1.550	-1.903	2.08858	1.21402	1.10251	1.02498
1.550	.148	1.91996	1.25541	1.15226	1.07265
1.548	2.041	1.93248	1.32149	1.19276	1.11890
1.550	3.991	1.94992	1.32106	1.23244	1.16387
1.550	6.025	2.02221	1.35856	1.27691	1.20992
	GRADIENT	-.02112	.02107	.02238	.02334

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R041) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.268 BETA = 2.000
PHI = .000

RUN NO. 283/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.599	-5.907	2.02949	.71378	.60874	.53588
.598	-3.879	1.96176	.76923	.66663	.59432
.599	-2.005	2.01379	.81034	.71282	.64210
.598	-1.026	2.04995	.83574	.74073	.67095
.599	.000	2.04021	.85751	.76475	.69569
.599	.952	2.00975	.88128	.79066	.72249
.599	2.008	2.04536	.90332	.81554	.74882
.599	3.968	1.98052	.93868	.85623	.79275
.598	6.128	2.04149	.97581	.90013	.84027
	GRADIENT	.00226	.02196	.02448	.02557

RUN NO. 320/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.899	-5.999	2.01091	.85846	.75689	.68374
.900	-3.979	1.98906	.90503	.80725	.73559
.900	-2.016	2.02226	.94813	.85526	.78549
.900	-.004	2.01293	.99124	.90299	.83490
.900	2.008	2.01312	1.03068	.94770	.88231
.900	4.026	2.00472	1.06741	.98966	.92710
.900	5.957	1.97950	1.09627	1.02596	.96611
	GRADIENT	.00109	.02033	.02282	.02395

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R042) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 452/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.599	-5.978	3.94375	.68519	.59984	.52546
.600	-3.958	3.98729	.73850	.65539	.58250
.600	-2.002	3.95613	.78557	.70586	.63493
.599	-.045	3.95017	.83005	.75405	.68534
.600	1.990	4.06424	.87060	.80056	.73417
.600	4.025	4.04494	.91122	.84673	.78342
.599	5.988	3.99087	.94491	.88587	.82597
	GRADIENT	.01127	.02156	.02391	.02510

RUN NO. 444/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.798	-6.037	4.06065	.76522	.67944	.60361
.798	-4.019	4.00792	.81542	.73147	.65724
.799	-1.984	3.93071	.86491	.78377	.71130
.799	-.048	3.97211	.90782	.83029	.76026
.799	1.987	4.03922	.94861	.87641	.80931
.799	4.022	4.04061	.98682	.92018	.85597
.799	6.007	4.00019	1.01887	.95787	.89728
	GRADIENT	.00866	.02126	.02344	.02470

RUN NO. 485/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-5.982	3.97882	.83190	.74242	.67170
.900	-4.013	4.00647	.87803	.79167	.72187
.900	-2.016	3.95181	.92328	.84040	.77232
.900	.006	4.01581	.96580	.88718	.82130
.900	1.993	4.06889	1.00479	.93063	.86733
.900	4.008	4.00765	1.04123	.97174	.91170
.900	6.048	4.02416	1.07221	1.00939	.95244
	GRADIENT	.00596	.02034	.02246	.02367

RUN NO. 433/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.100	-6.026	4.03301	.98049	.90074	.83172
1.101	-3.962	3.94735	1.02754	.95143	.88318
1.100	-2.012	3.94579	1.06736	.99318	.92689
1.100	.002	3.98585	1.10435	1.03357	.96985
1.100	1.984	4.04106	1.13731	1.07083	1.00978
1.100	4.021	4.03684	1.16953	1.10780	1.04938
1.099	5.967	3.96526	1.19898	1.14247	1.08596
	GRADIENT	.01374	.01772	.01955	.02080

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R042) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 363/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.250	-6.031	4.04344	1.05355	.96721	.89964
1.250	-3.96E	3.95046	1.10053	1.01594	.94852
1.250	-1.997	3.92968	1.14266	1.06126	.99509
1.250	-.041	3.98035	1.18094	1.10388	1.03899
1.250	1.976	4.03474	1.21952	1.14585	1.08290
1.250	4.028	4.04381	1.25088	1.18258	1.12276
1.249	6.024	4.01072	1.27873	1.21619	1.15972
	GRADIENT	.01462	.01890	.02092	.02184

RUN NO. 419/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.401	-6.015	4.03770	1.08330	.99113	.91704
1.400	-3.973	3.95854	1.13130	1.04034	.96653
1.400	-2.005	3.95906	1.17188	1.08451	1.01189
1.401	-.048	3.95342	1.21175	1.12787	1.05624
1.400	1.978	4.04586	1.25205	1.17247	1.10284
1.401	4.028	4.05312	1.28865	1.21400	1.14724
1.401	6.000	3.99499	1.32349	1.25326	1.18897
	GRADIENT	.01386	.01975	.02178	.02263

RUN NO. 372/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.450	-6.032	4.05437	1.08021	.98574	.91461
1.450	-3.951	3.95623	1.12781	1.03636	.96585
1.450	-2.025	3.97741	1.16656	1.07810	1.00941
1.450	-.046	3.92615	1.20692	1.12202	1.05391
1.450	1.991	4.07138	1.24435	1.16361	1.09695
1.450	4.027	4.04889	1.28443	1.20780	1.14255
1.451	6.008	4.00580	1.31805	1.24778	1.18540
	GRADIENT	.01407	.01958	.02145	.02208

RUN NO. 409/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.500	-6.023	4.02487	1.08169	.98661	.91513
1.499	-3.966	3.94866	1.12984	1.03625	.96519
1.501	-2.029	3.96493	1.16988	1.07947	1.00932
1.500	-.046	3.95611	1.21018	1.12312	1.05429
1.499	1.974	4.03368	1.24988	1.16708	1.09910
1.500	4.016	4.04019	1.29109	1.21312	1.14699
1.499	5.979	3.98351	1.32772	1.25368	1.18959
	GRADIENT	.01264	.02016	.02210	.02271

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R042) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = 4.000
PHI = .000

RUN NO. 389/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.549	-6.016	4.06845	1.09305	.98828	.91698
1.551	-3.921	3.94979	1.14733	1.03897	.96666
1.550	-2.002	3.97497	1.19044	1.08284	1.01023
1.550	-.047	3.93520	1.22886	1.12632	1.05485
1.550	1.989	4.04321	1.26345	1.17051	1.10079
1.550	4.030	4.04133	1.30268	1.21894	1.15071
1.550	6.058	4.03091	1.34028	1.26288	1.19706
	GRADIENT	.01271	.01928	.02250	.02306

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R043) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.278 BETA = 4.000
PHI = .000

RUN NO. 300/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.598	-5.975	4.00400	.68876	.59515	.52381
.598	-4.000	4.01541	.74160	.65016	.57997
.599	-1.983	3.94139	.78967	.70207	.63373
.599	-1.020	3.97785	.81529	.72988	.66182
.598	-.022	3.98615	.83766	.75495	.68774
.598	.985	4.01857	.85873	.77733	.71198
.598	2.005	4.03191	.88028	.80175	.73781
.598	4.009	4.02856	.91798	.84512	.78487
.598	6.049	4.02312	.95111	.88459	.82691
	GRADIENT	.00652	.02213	.02443	.02565

RUN NO. 321/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-6.007	4.00530	.83652	.74273	.67058
.899	-4.020	4.04383	.88275	.79221	.72173
.900	-1.964	3.90761	.93162	.84447	.77564
.900	-.031	3.97311	.97190	.88899	.82227
.900	1.983	4.03618	1.01029	.93204	.86811
.900	4.014	4.03630	1.04572	.97304	.91246
.900	5.965	3.97094	1.07796	1.01111	.95392
	GRADIENT	.00558	.02022	.02245	.02368

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R044) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.496 BETA = 4.000
PHI = .000

RUN NO. 295/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.599	-5.979	3.98271	.69142	.59569	.52439
.599	-3.919	3.95656	.74654	.65299	.58300
.599	-1.989	3.96325	.79444	.70417	.63566
.599	-1.001	3.96740	.81821	.73030	.66297
.599	-.022	3.99525	.83848	.75341	.68673
.599	.980	4.00182	.86296	.77985	.71455
.600	1.987	4.00743	.88207	.80089	.73717
.599	4.041	4.04815	.92088	.84661	.78570
.599	6.042	4.04062	.95300	.88443	.82760
	GRADIENT	.01174	.02194	.02434	.02549

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R045) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 453/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.600	-6.014	6.00594	.64522	.56945	.49878
.599	-4.001	6.02803	.69818	.62451	.55576
.599	-1.988	6.05221	.74606	.67638	.60831
.600	.022	5.96985	.79493	.72803	.66268
.600	2.000	5.98689	.83632	.77440	.71139
.600	3.964	5.95368	.87474	.81814	.75759
.600	5.979	5.95783	.90743	.85712	.80052
	GRADIENT	-.01075	.02227	.02437	.02544

RUN NO. 445/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.799	-6.020	6.03405	.73213	.65319	.58064
.798	-4.007	6.02509	.78105	.70443	.63378
.799	-1.982	6.01450	.83233	.75944	.69011
.800	.028	5.97877	.87464	.80515	.73881
.799	1.989	5.94286	.91631	.85117	.78723
.799	3.994	6.00023	.95316	.89378	.83223
.802	5.955	5.95743	.98256	.92898	.87141
	GRADIENT	-.00608	.02144	.02356	.02474

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R045) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 486/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-6.022	6.03528	.78858	.71752	.64927
.900	-3.996	6.02945	.84718	.76889	.70208
.900	-1.988	6.01280	.89131	.81690	.75182
.900	.026	5.99372	.93477	.86322	.80028
.901	2.012	5.98024	.97546	.90816	.84754
.900	3.973	5.94791	1.00978	.94785	.88984
.900	5.996	5.97943	1.04060	.98441	.93018
	GRADIENT		-.00981	.02053	.02253	.02364

RUN NO. 434/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.099	-6.021	6.04370	.95220	.87903	.81336
1.100	-4.016	6.04745	.99532	.92467	.86070
1.099	-1.976	5.99970	1.03797	.97063	.90802
1.100	.029	6.00679	1.07617	1.01232	.95183
1.100	1.999	5.95397	1.11290	1.05245	.99396
1.101	3.977	5.97107	1.14385	1.08844	1.03225
1.101	5.952	5.97598	1.17121	1.12088	1.06752
	GRADIENT		-.00996	.01864	.02051	.02150

RUN NO. 364/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.249	-6.022	6.02200	1.02562	.94683	.88130
1.249	-4.000	6.01989	1.06946	.99369	.92931
1.250	-1.990	6.05512	1.11134	1.03830	.97506
1.250	.014	5.95848	1.15437	1.08369	1.02172
1.250	1.993	5.98104	1.19034	1.12369	1.06367
1.251	3.966	5.93480	1.22425	1.16257	1.10499
1.249	6.050	6.02578	1.25285	1.19615	1.14209
	GRADIENT		-.01226	.01951	.02125	.02209

RUN NO. 420/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.400	-6.020	6.02652	1.05621	.97200	.90070
1.400	-3.992	6.01606	1.10162	1.01922	.94793
1.399	-1.990	6.03920	1.14481	1.06471	.99422
1.400	.028	5.97856	1.18673	1.10988	1.04138
1.400	2.004	5.96861	1.22632	1.15350	1.08655
1.399	3.978	5.96283	1.26166	1.19350	1.12901
1.399	5.953	5.94239	1.29732	1.23340	1.17114
	GRADIENT		-.00889	.02015	.02194	.02280

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R045) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.040 BETA = 6.000
PHI = .000

RUN NO. 373/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.450	-6.010	6.02410	1.05263	.96668	.89788
1.450	-4.008	6.03149	1.09698	1.01389	.94580
1.450	-2.000	6.05384	1.13935	1.05923	.99267
1.450	.023	5.99237	1.18256	1.10546	1.03981
1.449	2.008	5.96633	1.22076	1.14794	1.08389
1.450	3.955	5.92801	1.25689	1.18786	1.12603
1.450	5.998	5.98764	1.28950	1.22575	1.16682
	GRADIENT	-.01473	.02013	.02191	.02266

RUN NO. 410/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.500	-6.010	6.03153	1.05562	.96877	.89923
1.499	-4.021	6.02999	1.09953	1.01457	.94562
1.499	-1.980	6.02794	1.14363	1.06076	.99321
1.501	.023	5.98536	1.18414	1.10369	1.03740
1.499	1.991	5.98423	1.22589	1.14874	1.08433
1.500	4.005	5.96879	1.26316	1.19088	1.12758
1.499	6.032	6.03063	1.30126	1.23305	1.17185
	GRADIENT	-.00830	.02045	.02200	.02272

RUN NO. 390/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.549	-6.006	6.01754	1.06158	.96940	.89946
1.550	-4.001	5.99862	1.10862	1.01548	.94498
1.550	-1.982	6.05304	1.15340	1.06294	.99337
1.550	.005	5.97133	1.19592	1.10845	1.03958
1.549	1.991	5.95241	1.23667	1.15428	1.08611
1.550	3.972	5.94988	1.27611	1.19799	1.13224
1.551	6.065	5.99930	1.31690	1.24564	1.18177
	GRADIENT	-.00992	.02100	.02291	.02346

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R046) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.277 BETA = 6.000
PHI = .000

RUN NO. 301/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.598	-5.967	6.03897	.65240	.56791	.49947
.598	-3.981	5.99450	.70635	.62357	.55649
.599	-1.981	5.97757	.75215	.67380	.60778
.598	-.991	5.99815	.77881	.70129	.63691
.597	-.001	5.98862	.80205	.72699	.66335
.599	1.012	6.02688	.82076	.74824	.68565
.600	2.003	5.99598	.83841	.76835	.70804
.598	4.011	6.02501	.87897	.81482	.75693
.598	6.029	6.01405	.91407	.85584	.80200
	GRADIENT	.00448	.02158	.02387	.02506

RUN NO. 322/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-5.969	6.01753	.80514	.71954	.65062
.900	-3.999	6.00653	.85167	.76858	.70109
.901	-1.975	5.96194	.89900	.82004	.75435
.899	-.001	5.96647	.94049	.86478	.80140
.900	2.014	6.05043	.97804	.90736	.84644
.899	3.988	6.00092	1.01365	.94834	.89033
.899	6.049	6.02987	1.04423	.98509	.93073
	GRADIENT	.00387	.02019	.02239	.02358

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R047) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.496 BETA = 6.000
PHI = .000

RUN NO. 296/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.598	-5.962	6.02389	.65543	.56925	.50112
.599	-3.950	5.96983	.70745	.62356	.55736
.598	-1.981	5.96267	.75899	.67817	.61279
.599	-1.000	6.03432	.77801	.70006	.63580
.599	-.005	5.95522	.80065	.72431	.66141
.599	.996	6.03276	.82039	.74700	.68507
.599	2.004	5.98719	.84397	.77274	.71237
.598	4.022	6.03719	.88373	.81799	.76022
.598	6.021	5.99193	.91582	.85618	.80304
	GRADIENT	.00757	.02192	.02422	.02532

!A132(AEDC TF-505) TANK UPRT W/FRNG. LOUVR OPEN (P4R048) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 297/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.599	-3.993	-.00025	.77163	.67589	.60494
.600	-2.002	-.00137	.82211	.72761	.65747
.599	.014	-.00404	.87082	.77910	.71049
.599	1.990	-.00377	.91097	.82551	.75844
.600	3.973	-.00512	.94791	.86784	.80418
	GRADIENT	-.00061	.02216	.02418	.02507

RUN NO. 438/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.799	-3.981	.00310	.84264	.75361	.67802
.798	-2.020	.00185	.88740	.80128	.72707
.800	.033	.00060	.93820	.85327	.78094
.802	1.968	-.00019	.97191	.89266	.82272
.801	3.990	-.00014	1.00955	.93576	.86903
	GRADIENT	-.00043	.02099	.02287	.02397

RUN NO. 323/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-4.339	-.00173	.89867	.80473	.73238
.899	-4.008	-.00159	.90475	.81112	.73880
.901	-1.992	.00003	.95453	.86298	.79201
.900	-.019	.00139	.99923	.90950	.84011
.900	1.960	.00289	1.03657	.95241	.88528
.899	4.010	.00384	1.07268	.99408	.93003
	GRADIENT	.00069	.02119	.02295	.02392

RUN NO. 427/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.101	-3.999	.00128	1.04130	.96121	.89298
1.100	-2.019	.00081	1.08412	1.00637	.93880
1.101	.025	.00032	1.12648	1.04969	.98405
1.099	1.990	-.00016	1.16104	1.08916	1.02450
1.098	3.997	-.00090	1.19369	1.12633	1.06486
	GRADIENT	-.00027	.01909	.02065	.02147

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R048) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 339/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.249	-3.931	.00872	1.12255	1.03147	.96333
1.250	-2.02E	.00785	1.16466	1.07599	1.00858
1.251	-.045	.00671	1.20525	1.11809	1.05200
1.250	1.988	.00592	1.24214	1.15865	1.09453
1.249	3.970	.00552	1.27738	1.19919	1.13739
	GRADIENT	-.00042	.01953	.02109	.02190

RUN NO. 413/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.400	-3.986	.00560	1.14718	1.05614	.98353
1.400	-2.018	.00466	1.19363	1.10407	1.03040
1.400	.015	.00337	1.23495	1.14653	1.07489
1.400	1.966	.00349	1.27503	1.18970	1.11927
1.400	4.003	.00262	1.31197	1.23178	1.16340
	GRADIENT	-.00036	.02059	.02189	.02247

RUN NO. 366/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.450	-4.001	-.00266	1.14368	1.05076	.98031
1.450	-1.995	-.00315	1.18632	1.09495	1.02523
1.450	.005	-.00072	1.23011	1.13699	1.06763
1.450	1.974	-.00225	1.27174	1.18100	1.11237
1.450	4.010	-.00159	1.31323	1.22824	1.16010
	GRADIENT	.00015	.02123	.02206	.02235

RUN NO. 403/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.500	-3.980	.00115	1.13802	1.04556	.97524
1.499	-2.014	.00237	1.18970	1.09574	1.02360
1.500	.015	.00106	1.23685	1.14245	1.07043
1.500	1.985	.00176	1.27861	1.18882	1.11767
1.500	3.992	-.00131	1.31929	1.23505	1.16503
	GRADIENT	-.00028	.02263	.02367	.02375

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R048) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 BETA = .000
PHI = .000

RUN NO. 382/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.550	-3.979	-.00146	1.13182	1.03491	.96515
1.551	-2.018	-.00015	1.12783	1.08813	1.02044
1.551	-.024	.00128	1.19966	1.15605	1.07754
1.550	1.950	-.00333	1.33793	1.20271	1.12690
1.549	4.007	-.00117	1.33165	1.24094	1.17248
	GRADIENT	-.00013	.03056	.02639	.02612

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R049) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.990 BETA = .000
PHI = .000

RUN NO. 381/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.552	-4.341	-.00248	1.12916	1.02823	.95843
1.548	-2.279	.00167	1.16306	1.08238	1.01298
1.548	-.262	-.00684	1.18898	1.14784	1.07093
1.550	1.817	-.00120	1.32740	1.19840	1.12246
1.551	3.818	-.00109	1.32935	1.23256	1.16393
	GRADIENT	-.00000	.02770	.02571	.02550

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R050) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 299/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CP9	CP10	CP11
.599	-4.356	.00579	.82994	.74488	.67843
.599	-2.235	.00441	.85526	.76549	.69749
.599	-.275	.00301	.86646	.77591	.70709
.599	1.750	.00258	.86117	.77253	.70457
.598	3.775	.00133	.83936	.75591	.68890
	GRADIENT	-.00053	.00125	.00145	.00140

!A132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R050) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 437/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CP9	CP10	CP11
.800	-4.375	.00037	.89844	.81925	.74848
.798	-2.327	-.00017	.92615	.84207	.77011
.799	-.305	-.00056	.93617	.85127	.77880
.799	1.746	-.00025	.93065	.84802	.77620
.799	3.780	.00019	.91332	.83495	.76463
	GRADIENT	-.00002	.00168	.00183	.00188

RUN NO. 324/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CP9	CP10	CP11
.899	-4.417	.00572	.96425	.87971	.81260
.901	-2.200	.00327	.98994	.90116	.83257
.901	-.278	.00100	.99786	.90815	.83900
.900	1.783	-.00096	.99173	.90370	.83531
.899	3.763	-.00326	.97476	.89099	.82393
	GRADIENT	-.00109	.00118	.00128	.00129

RUN NO. 426/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CP9	CP10	CP11
1.099	-4.389	-.00037	1.09184	1.02002	.95605
1.101	-2.281	-.00122	1.11690	1.04116	.97598
1.101	-.264	-.00073	1.12553	1.04845	.98303
1.099	1.748	.00014	1.12022	1.04469	.97951
1.098	3.797	.00104	1.10457	1.03336	.96977
	GRADIENT	.00020	.00143	.00150	.00154

RUN NO. 357/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CP9	CP10	CP11
1.250	-4.372	.00492	1.17656	1.09617	1.03218
1.251	-2.233	.00268	1.19667	1.11222	1.04668
1.250	-.271	.00013	1.20318	1.11862	1.05292
1.250	1.800	-.00104	1.19968	1.11683	1.05134
1.249	3.786	-.00375	1.18317	1.10420	1.03991
	GRADIENT	-.00103	.00083	.00104	.00101

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R050) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.039 ALPHA = .000
PHI = .000

RUN NO. 412/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CP9	CP10	CP11
1.400	-4.392	-.00534	1.20667	1.12119	1.05106
1.400	-2.301	-.00573	1.22984	1.14066	1.06896
1.400	-.268	-.00521	1.23348	1.14369	1.07216
1.400	1.761	-.00257	1.23167	1.14245	1.07077
1.401	3.824	-.00142	1.21374	1.12918	1.05884
	GRADIENT	.00054	.00079	.00088	.00086

RUN NO. 365/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CP9	CP10	CP11
1.450	-4.399	.00444	1.20271	1.11573	1.04856
1.450	-2.312	.00202	1.21737	1.12752	1.05993
1.450	-.274	-.00029	1.22777	1.13667	1.06824
1.450	1.795	-.00111	1.22580	1.13510	1.06625
1.450	3.818	-.00394	1.20948	1.12317	1.05584
	GRADIENT	-.00097	.00108	.00110	.00102

RUN NO. 402/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CP9	CP10	CP11
1.500	-4.379	-.00353	1.20126	1.11028	1.04123
1.500	-2.320	-.00247	1.22489	1.12969	1.05921
1.500	-.246	-.00143	1.23088	1.13656	1.06538
1.500	1.734	-.00325	1.22867	1.13591	1.06552
1.500	3.816	.00032	1.21335	1.12631	1.05682
	GRADIENT	.00034	.00137	.00188	.00184

RUN NO. 384/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CP9	CP10	CP11
1.550	-4.376	-.00330	1.22937	1.12063	1.04862
1.549	-2.287	.00129	1.23449	1.14700	1.06708
1.550	-.273	-.00526	1.20958	1.15541	1.07609
1.550	1.760	.00032	1.23922	1.15031	1.07050
1.551	3.808	.00072	1.23238	1.12813	1.05629
	GRADIENT	.00035	.00053	.00091	.00093

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R051) (21 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 302/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.599	-6.007	-6.02002	.64641	.55939	.49314
.600	-4.016	-6.03105	.69909	.61413	.54875
.600	-1.961	-5.94317	.75062	.66958	.60512
.600	-.004	-5.97945	.79616	.71937	.65675
.601	2.004	-6.05822	.83635	.76425	.70412
.600	3.993	-5.99822	.88070	.81341	.75628
.600	6.043	-6.03638	.91465	.85345	.79922
	GRADIENT	-.00241	.02246	.02468	.02572

RUN NO. 465/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.800	-5.974	-5.96366	.73612	.64731	.58134
.800	-4.017	-6.01203	.78576	.69884	.63307
.800	-2.007	-6.00115	.83129	.74818	.68348
.800	.004	-5.93328	.87614	.79654	.73388
.800	2.029	-6.06452	.91574	.84146	.78135
.800	4.001	-5.99361	.95441	.88470	.82716
.800	6.030	-6.02878	.98798	.92400	.87000
	GRADIENT	-.00135	.02101	.02317	.02422

RUN NO. 472/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-5.969	-5.96446	.80028	.71396	.64813
.900	-4.015	-5.98847	.84551	.76157	.69631
.900	-2.005	-5.95357	.89084	.80991	.74618
.900	-.043	-6.00272	.93174	.85439	.79266
.900	1.983	-6.00166	.97297	.90014	.84039
.900	4.021	-5.99994	1.01074	.94330	.88618
.900	6.027	-6.03010	1.04280	.98131	.92718
	GRADIENT	-.00352	.02057	.02261	.02363

RUN NO. 488/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.100	-5.955	-5.96191	.95713	.87627	.81296
1.100	-4.016	-6.00728	.99813	.91944	.85653
1.099	-2.003	-6.04462	1.03706	.96198	.90047
1.100	-.014	-5.95441	1.07679	1.00475	.94499
1.100	2.012	-6.00545	1.11015	1.04270	.98557
1.100	4.006	-5.99936	1.14551	1.08195	1.02726
1.100	5.970	-5.95849	1.17499	1.11662	1.06471
	GRADIENT	.00272	.01834	.02023	.02127

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R051) (21 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 332/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.251	-5.951	-5.96640	1.03360	.94648	.88188
1.251	-3.964	-5.96801	1.07522	.99011	.92648
1.250	-1.997	-5.96497	1.11492	1.03274	.96966
1.250	-.009	-5.99786	1.15226	1.07346	1.01200
1.250	1.995	-6.00019	1.18942	1.11429	1.05558
1.249	4.009	-6.01608	1.22148	1.15129	1.09479
1.249	6.036	-6.03167	1.25356	1.18811	1.13473
	GRADIENT	-.00659	.01840	.02025	.02119

RUN NO. 495/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.399	-6.014	-6.01649	1.05605	.96525	.89795
1.398	-4.029	-6.03099	1.10345	1.01315	.94634
1.399	-1.970	-5.94494	1.14932	1.06124	.99475
1.398	-.023	-5.96485	1.19032	1.10471	1.03879
1.398	1.992	-6.03977	1.23024	1.14774	1.08301
1.399	4.010	-6.02866	1.26927	1.19046	1.12746
1.398	6.025	-6.00772	1.30399	1.23123	1.17174
	GRADIENT	-.00445	.02059	.02201	.02248

RUN NO. 374/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.451	-5.964	-5.97980	1.05459	.96427	.89752
1.451	-4.003	-5.96544	1.10037	1.01141	.94515
1.451	-1.998	-5.94819	1.14780	1.06053	.99469
1.449	-.039	-6.02894	1.19092	1.10666	1.04108
1.450	1.972	-5.99184	1.23366	1.15242	1.08844
1.450	4.016	-6.03613	1.27102	1.19398	1.13210
1.450	6.025	-6.02949	1.30664	1.23381	1.17383
	GRADIENT	-.00923	.02134	.02284	.02337

RUN NO. 507/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.499	-5.959	-5.98612	1.05987	.96633	.90063
1.500	-3.998	-5.99407	1.10553	1.01492	.94909
1.499	-1.975	-6.00276	1.15299	1.06460	.99955
1.499	-.021	-5.96825	1.19593	1.10946	1.04511
1.500	2.020	-6.05406	1.23870	1.15576	1.09124
1.499	3.990	-5.98523	1.27329	1.19950	1.13719
1.500	6.031	-6.02374	1.31856	1.24347	1.18289
	GRADIENT	-.00173	.02159	.02305	.02343

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R051) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -6.000
PHI = .000

RUN NO. 391/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.549	-5.967	-5.95376	1.06530	.96703	.90157
1.550	-3.946	-5.98028	1.11429	1.01627	.95034
1.550	-1.957	-5.99033	1.15890	1.06483	.99854
1.549	-.012	-5.95296	1.19971	1.10910	1.04450
1.550	2.019	-6.05828	1.23910	1.15389	1.08963
1.550	3.999	-6.02344	1.27895	1.19742	1.13374
1.550	6.048	-6.00714	1.31688	1.24018	1.17883
	GRADIENT	-.00782	.02061	.02272	.02305

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R052) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.000 BETA = -6.000
PHI = .000

RUN NO. 325/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-5.973	-5.98228	.80547	.71638	.64842
.900	-3.974	-5.97087	.85452	.76735	.70028
.900	-1.992	-5.94293	.89762	.81401	.74839
.900	-.025	-6.02028	.93727	.85742	.79385
.900	1.993	-6.01058	.97756	.90225	.84112
.900	4.013	-6.02186	1.01401	.94342	.88523
.899	6.049	-6.02303	1.04760	.98286	.92805
	GRADIENT	-.00848	.01998	.02206	.02318

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R053) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 303/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.600	-5.972	-4.00288	.68728	.59243	.52106
.600	-3.972	-3.97511	.74023	.64770	.57757
.600	-1.995	-3.95295	.78693	.69887	.63138
.601	-.040	-3.94191	.83268	.74883	.68355
.601	1.974	-4.02789	.87448	.79543	.73221
.600	4.025	-4.05846	.92020	.84606	.78493
.600	6.046	-4.02072	.95429	.88633	.82888
	GRADIENT	-.01218	.02241	.02471	.02582

RUN NO. 466/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.800	-5.966	-3.98688	.77236	.67626	.60632
.799	-4.010	-4.05425	.81912	.72643	.65708
.800	-1.978	-4.05165	.86517	.77634	.70972
.800	.001	-3.97106	.90892	.82345	.75869
.800	2.011	-3.95074	.95193	.87112	.80811
.800	3.958	-3.95338	.98944	.91394	.85322
.800	5.963	-3.93352	1.02535	.95491	.89774
	GRADIENT	.01520	.02145	.02358	.02463

RUN NO. 473/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-6.001	-4.00781	.83288	.73989	.67062
.900	-3.994	-4.03679	.87827	.78832	.72077
.900	-1.983	-4.07563	.92148	.83505	.76979
.901	-.002	-3.98080	.96362	.88107	.81748
.900	2.001	-3.93644	1.00444	.92641	.86411
.900	3.964	-3.96065	1.03994	.96673	.90662
.900	6.003	-4.01423	1.07352	1.00590	.9492:
	GRADIENT	.01465	.02042	.02252	.02342

RUN NO. 489/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.099	-5.999	-4.01507	.98292	.89659	.83008
1.100	-4.016	-4.05653	1.02388	.94041	.87551
1.100	-1.973	-4.07128	1.06207	.98207	.91913
1.100	-.002	-3.96794	1.10251	1.02570	.96443
1.100	2.013	-4.01181	1.13920	1.06631	1.00665
1.099	3.990	-3.99204	1.17291	1.10447	1.04719
1.100	5.967	-3.92700	1.20260	1.13921	1.08501
	GRADIENT	.00940	.01876	.02062	.02155

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R053) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 333/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.250	-6.021	-4.02089	1.05731	.96569	.89876
1.250	-3.981	-4.00243	1.10104	1.01150	.94525
1.250	-2.002	-3.95347	1.14283	1.05501	.98971
1.250	.005	-3.99170	1.18191	1.09753	1.03430
1.250	1.982	-4.06518	1.21740	1.13714	1.07577
1.249	4.008	-4.02061	1.25190	1.17663	1.11768
1.249	6.026	-4.02219	1.28081	1.21103	1.15619
	GRADIENT	-.00741	.01885	.02066	.02159

RUN NO. 496/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.397	-6.002	-4.01677	1.08686	.99058	[illegible]110
1.399	-3.991	-4.02664	1.13041	1.03528	.96638
1.398	-1.987	-4.07769	1.17350	1.08093	1.01217
1.399	.004	-3.98932	1.21774	1.12795	1.06076
1.398	1.996	-3.91949	1.25770	1.17196	1.10617
1.398	4.014	-3.98864	1.29368	1.21206	1.14786
1.398	6.028	-4.04612	1.32946	1.25063	1.18765
	GRADIENT	.01168	.02054	.02224	.02285

RUN NO. 380/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.451	-6.039	-4.04122	1.07834	.98277	.91395
1.450	-3.995	-4.00883	1.12864	1.03374	.96534
1.450	-2.016	-3.96331	1.17467	1.08167	1.01320
1.451	-.049	-3.93737	1.21737	1.12612	1.05849
1.450	1.995	-4.06382	1.25951	1.17166	1.10583
1.450	4.011	-4.02975	1.29879	1.21511	1.15076
1.450	6.037	-4.00746	1.33041	1.25219	1.19145
	GRADIENT	-.00720	.02123	.02261	.02315

RUN NO. 508/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.500	-6.013	-4.01928	1.08429	.98683	.91879
1.500	-4.029	-4.04633	1.13041	1.03470	.96648
1.499	-1.964	-4.05379	1.17899	1.08405	1.01626
1.500	-.003	-3.97866	1.22345	1.13120	1.06384
1.502	2.004	-3.95420	1.26630	1.17782	1.11203
1.500	3.951	-3.94135	1.30490	1.21960	1.15481
1.501	5.955	-3.96082	1.34029	1.26053	1.19779
	GRADIENT	.01551	.02190	.02327	.02371

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R053) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.668 BETA = -4.000
PHI = .000

RUN NO. 397/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.549	-6.027	-3.98307	1.09905	.98804	.91839
1.551	-3.976	-3.94982	1.15266	1.03854	.96817
1.549	-1.998	-3.94703	1.19782	1.08603	1.01595
1.550	-.048	-3.97905	1.23625	1.12778	1.05942
1.549	1.964	-4.04124	1.26937	1.17272	1.10620
1.550	4.005	-4.02131	1.30591	1.21840	1.15398
1.550	6.007	-4.00808	1.34464	1.26121	1.19757
	GRADIENT	-.01189	.01897	.02241	.02318

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R054) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.002 BETA = -4.000
PHI = .000

RUN NO. 328/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-5.989	-3.99723	.83545	.74154	.67087
.900	-4.024	-4.03334	.88018	.78945	.71973
.900	-1.984	-3.92060	.92694	.83909	.77128
.899	.010	-4.03974	.96754	.88363	.81803
.900	1.963	-4.01210	1.00808	.92837	.86482
.900	4.003	-4.03073	1.04422	.96952	.90867
.900	5.992	-3.99604	1.07724	1.00814	.95058
	GRADIENT	-.00427	.02046	.02247	.02357

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R055) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 304/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.600	-5.984	-2.01095	.71248	.61287	.54019
.600	-4.027	-2.01500	.76304	.66552	.59375
.601	-1.998	-2.00085	.80992	.71733	.64711
.600	-.004	-2.01607	.85753	.77016	.70246
.600	1.989	-1.98911	.90167	.81913	.75456
.600	3.975	-1.98841	.93991	.86277	.79992
.599	5.971	-1.98679	.97705	.90628	.84639
	GRADIENT		.00325	.02229	.02483	.02601

RUN NO. 467/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.800	-5.951	-2.02906	.79427	.69373	.62267
.800	-4.004	-2.01080	.84099	.74301	.67316
.800	-1.971	-1.91715	.88737	.79360	.72495
.800	-.007	-1.99388	.93120	.84289	.77588
.800	1.999	-2.00629	.97236	.88903	.82512
.800	4.003	-1.99716	1.01031	.93231	.87070
.800	5.951	-1.98662	1.04321	.97114	.91239
	GRADIENT		-.00304	.02120	.02372	.02478

RUN NO. 474/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-6.044	-1.99722	.85192	.75437	.68455
.900	-4.032	-2.02076	.89837	.80315	.73411
.900	-2.023	-2.01037	.94247	.85096	.78306
.900	-.011	-2.00728	.98426	.89756	.83138
.899	2.006	-2.02257	1.02548	.94374	.88051
.900	3.973	-1.99901	1.06141	.98512	.92380
.900	6.039	-2.00993	1.09355	1.02329	.96479
	GRADIENT		.00155	.02042	.02279	.02380

RUN NO. 490/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.100	-5.969	-1.98664	1.00276	.91296	.84565
1.100	-3.954	-1.97796	1.04474	.95678	.89034
1.100	-1.984	-1.92317	1.08405	.99947	.93444
1.100	-.004	-1.99035	1.12094	1.04080	.97792
1.099	2.006	-2.01137	1.15762	1.08212	1.02146
1.100	3.964	-2.00565	1.19055	1.11935	1.06124
1.100	5.974	-1.99982	1.21904	1.15314	1.09788
	GRADIENT		-.00726	.01842	.02057	.02163

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R055) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 334/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.250	-5.999	-1.99683	1.07658	.98084	.91233
1.249	-4.032	-2.02315	1.11936	1.02478	.95624
1.250	-1.979	-1.97965	1.16003	1.06878	1.00170
1.250	-.004	-1.99636	1.19671	1.11000	1.04533
1.250	1.956	-2.09410	1.23384	1.15102	1.08886
1.250	4.017	-2.00362	1.27240	1.19420	1.13400
1.250	6.013	-1.99708	1.30074	1.22843	1.17206
	GRADIENT	-.00365	.01896	.02102	.02210

RUN NO. 497/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.399	-5.962	-1.99761	1.10461	1.00341	.93203
1.398	-3.992	-1.99838	1.14911	1.04929	.97800
1.399	-2.026	-1.94827	1.19236	1.09627	1.02569
1.399	-.006	-2.04729	1.23174	1.13991	1.07120
1.400	1.975	-1.98305	1.27055	1.18290	1.11674
1.400	3.954	-1.99116	1.30884	1.22539	1.16060
1.398	6.043	-2.02565	1.34356	1.26448	1.20180
	GRADIENT	-.00106	.01999	.02206	.02293

RUN NO. 379/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.450	-5.968	-1.99255	1.10018	.99941	.92802
1.450	-3.994	-1.99224	1.14710	1.04695	.97598
1.450	-1.979	-1.98899	1.19193	1.09416	1.02386
1.450	.011	-2.02537	1.23373	1.13902	1.07012
1.449	1.955	-1.92494	1.27382	1.18216	1.11442
1.450	3.989	-1.99049	1.31205	1.22459	1.15967
1.449	5.955	-1.98300	1.34545	1.26387	1.20106
	GRADIENT	.00333	.02069	.02228	.02301

RUN NO. 509/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.499	-5.963	-1.98324	1.10415	1.00138	.93058
1.499	-3.971	-2.00054	1.15071	1.04665	.97676
1.500	-1.960	-1.91211	1.19680	1.09564	1.02661
1.500	-.013	-2.06146	1.23859	1.14284	1.07485
1.502	1.969	-1.97257	1.27511	1.18313	1.11604
1.500	3.964	-1.98750	1.31796	1.23055	1.16495
1.500	5.991	-2.00042	1.35041	1.26821	1.20491
	GRADIENT	-.00167	.02085	.02300	.02353

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R055) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = -2.000
PHI = .000

RUN NO. 396/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.550	-6.037	-2.00866	1.11147	1.00340	.93133
1.549	-4.011	-1.99031	1.15664	1.05353	.98131
1.549	-1.966	-1.96445	1.16939	1.10060	1.02965
1.550	.017	-2.05264	1.22581	1.14976	1.07628
1.550	1.963	-1.93372	1.31801	1.19156	1.12124
1.550	3.998	-2.00606	1.32197	1.22910	1.16332
1.549	5.987	-2.00202	1.35685	1.27192	1.20818
	GRADIENT	-.00009	.02397	.02216	.02284

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R056) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.006 BETA = -2.000
PHI = .000

RUN NO. 329/ 0 RN/L = 4.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.899	-6.001	-2.03978	.85659	.75787	.68502
.901	-3.957	-1.97855	.90533	.80918	.73731
	GRADIENT	.00000	.00000	.00000	.00000

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R057) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 305/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.600	-5.989	.00408	.72359	.62553	.55211
.600	-3.996	.00254	.77537	.68098	.60865
.599	-1.979	.00097	.82667	.73466	.66359
.601	.008	-.00047	.86982	.78122	.71218
.601	1.986	.00173	.91385	.83006	.76405
.601	3.996	.00106	.95007	.87247	.80865
.600	6.013	.00357	.98308	.91162	.85124
	GRADIENT	-.00011	.02189	.02398	.02509

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R057) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 468/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.800	-6.029	.00649	.79940	.70093	.62994
.799	-3.972	.00359	.85261	.75804	.68794
.800	-2.004	.00201	.89573	.80364	.73448
.800	.020	-.00013	.94307	.85376	.78676
.800	1.975	-.00055	.98172	.89747	.83263
.800	4.016	-.00131	1.01884	.94017	.87820
.800	5.981	-.00277	1.04990	.97703	.91752
	GRADIENT	-.00062	.02097	.02295	.02399

RUN NO. 475/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-5.971	-.00513	.85956	.76412	.69340
.900	-3.988	-.00447	.90529	.81260	.74308
.900	-2.008	-.00246	.95139	.86096	.79225
.900	-.005	-.00018	.99596	.90806	.84090
.900	1.989	.00181	1.03338	.95051	.88613
.900	4.018	.00511	1.07013	.99272	.93089
.900	5.970	.00748	1.10019	1.02870	.96965
	GRADIENT	.00117	.02057	.02248	.02346

RUN NO. 491/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.100	-5.977	-.00032	1.00537	.91722	.84978
1.100	-4.006	.00018	1.04681	.96176	.89524
1.100	-1.977	-.00124	1.09005	1.00687	.94140
1.100	.009	-.00138	1.12959	1.04831	.98491
1.100	1.995	-.00168	1.16505	1.08847	1.02741
1.100	3.982	-.00128	1.19711	1.12563	1.06694
1.100	5.997	-.00338	1.22465	1.15824	1.10243
	GRADIENT	-.00017	.01883	.02052	.02153

RUN NO. 335/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.251	-5.985	.00005	1.08066	.98603	.91710
1.251	-3.987	.00166	1.12410	1.03209	.96409
1.250	-1.995	.00255	1.16653	1.07701	1.00978
1.251	-.008	.00363	1.20663	1.11905	1.05359
1.250	1.994	.00479	1.24407	1.16030	1.09742
1.249	4.008	.00727	1.27901	1.20020	1.13996
1.249	5.974	.00782	1.30607	1.23328	1.17683
	GRADIENT	.00067	.01939	.02100	.02199

IA132(AEDC TF-505) TANK UPRT W/FRNG. LOUVR OPEN (P4R057) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.667 BETA = .000
PHI = .000

RUN NO. 498/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.398	-5.964	.00292	1.10722	1.01017	.93928
1.399	-3.990	.00247	1.15146	1.05627	.98566
1.398	-1.992	.00221	1.19638	1.10206	1.03170
1.399	-.006	.00280	1.23967	1.14650	1.07705
1.398	2.002	.00451	1.27598	1.18859	1.12166
1.399	3.983	.00640	1.31424	1.22987	1.16457
1.399	5.975	.00987	1.34536	1.26629	1.20383
	GRADIENT	.00051	.02032	.02175	.02246

RUN NO. 375/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.450	-5.969	-.00177	1.10452	1.00645	.93465
1.450	-3.994	-.00095	1.14420	1.04929	.97853
1.450	-1.999	.00087	1.18474	1.09158	1.02242
1.449	-.010	-.00010	1.22820	1.13456	1.06589
1.450	1.999	-.00688	1.27070	1.17977	1.11232
1.450	4.019	.00049	1.31296	1.22622	1.16055
1.450	5.987	-.00012	1.34889	1.26728	1.20335
	GRADIENT	-.00024	.02115	.02208	.02267

RUN NO. 510/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.500	-5.967	-.00469	1.09511	.99626	.92735
1.500	-3.999	-.00136	1.13771	1.04166	.97268
1.500	-1.982	-.00070	1.18966	1.09107	1.02151
1.500	-.029	-.00032	1.23629	1.13700	1.06705
1.499	2.029	.00192	1.28165	1.18887	1.12015
1.499	3.976	.00184	1.31800	1.22941	1.16297
1.500	5.988	.00570	1.35525	1.27248	1.20858
	GRADIENT	.00045	.02267	.02371	.02401

RUN NO. 392/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.550	-5.996	-.00159	1.10405	.99241	.92178
1.550	-3.975	-.00618	1.13908	1.03801	.96833
1.549	-1.997	.00316	1.15318	1.09015	1.02095
1.550	-.001	-.00624	1.22095	1.15320	1.07799
1.550	1.987	.00412	1.32810	1.19999	1.12702
1.551	4.006	-.00813	1.33212	1.23687	1.16968
1.550	5.984	-.00196	1.36238	1.27775	1.21291
	GRADIENT	-.00015	.02812	.02544	.02550

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R058) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.999 BETA = .000
PHI = .000

RUN NO. 487/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-5.969	.01168	.85935	.76370	.69242
.900	-4.012	.00759	.90475	.81200	.74184
.900	-2.006	.00262	.95246	.86190	.79276
.900	.000	-.00050	.99374	.90584	.83862
.900	1.996	-.00391	1.03428	.95152	.88672
.900	3.995	-.00703	1.06865	.99078	.92880
.901	6.004	-.00921	1.09859	1.02737	.96818
	GRADIENT	-.00179	.02047	.02234	.02338

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R059) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.002 BETA = .000
PHI = .000

RUN NO. 326/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-5.996	.00963	.86418	.76621	.69235
.901	-3.989	.00672	.91050	.81621	.74373
.900	-1.983	.00404	.95780	.86556	.79467
.900	-.017	.00158	1.00037	.91082	.84191
.899	2.030	.00095	1.03940	.95514	.88933
.899	3.968	-.00081	1.07333	.99404	.93119
.899	6.004	-.00429	1.10454	1.03213	.97243
	GRADIENT	-.00091	.02044	.02235	.02357

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R060) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 306/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.600	-5.953	2.00214	.71155	.61345	.54071
.600	-4.001	2.00971	.76292	.66800	.59592
.601	-2.028	2.03585	.80936	.71921	.64877
.601	-.006	2.02761	.85766	.77243	.70405
.600	1.999	2.00715	.90353	.82213	.75696
.599	4.013	2.00323	.94386	.86818	.80529
.599	6.031	2.00672	.97587	.90723	.84784
	GRADIENT		-.00209	.02274	.02509	.02627

RUN NO. 469/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.800	-5.961	1.99814	.79387	.69597	.62491
.799	-3.961	1.97760	.84430	.74966	.67977
.799	-1.989	1.99387	.89041	.79916	.73097
.800	.012	2.03452	.93456	.84816	.78139
.800	2.011	2.00670	.97646	.89436	.83056
.800	3.988	1.94608	1.01359	.93688	.87504
.800	6.012	2.02251	1.04503	.97456	.91590
	GRADIENT		-.00252	.02134	.02360	.02463

RUN NO. 477/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-5.974	1.99467	.85501	.75857	.68788
.900	-4.013	2.02171	.90036	.80727	.73746
.900	-2.005	2.00754	.94546	.85581	.78774
.899	.013	2.00887	.99074	.90521	.83893
.900	2.043	1.92402	1.02901	.94829	.88442
.900	3.973	1.94906	1.06458	.98864	.92699
.900	5.994	2.02814	1.09354	1.02409	.96572
	GRADIENT		-.01147	.02059	.02274	.02377

RUN NO. 492/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.100	-5.962	2.01992	1.00319	.91472	.84771
1.100	-4.002	2.00723	1.04421	.95845	.89214
1.100	-2.001	2.01014	1.08418	1.00211	.93733
1.100	.016	2.07320	1.12399	1.04514	.98239
1.100	2.004	1.99088	1.15950	1.08484	1.02431
1.099	3.980	1.94401	1.19197	1.12161	1.06306
1.100	6.015	2.03932	1.21942	1.15531	1.10010
	GRADIENT		-.00725	.01857	.02048	.02148

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R060) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 336/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.250	-5.961	1.98251	1.07793	.98350	.91482
1.251	-3.954	1.98206	1.12307	1.02991	.96146
1.250	-1.961	1.93463	1.16537	1.07585	1.00907
1.250	-.006	2.04059	1.20344	1.11822	1.05337
1.250	2.022	2.01687	1.24284	1.16085	1.09841
1.250	3.981	1.97302	1.27611	1.19862	1.13928
1.250	6.019	2.01272	1.30359	1.23188	1.17587
	GRADIENT	.00321	.01932	.02128	.02241

RUN NO. 499/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.398	-6.031	2.01094	1.10228	1.00199	.92925
1.399	-3.960	1.98673	1.14890	1.05021	.97852
1.399	-1.966	1.97322	1.19163	1.09610	1.02496
1.399	.013	1.93780	1.23042	1.13887	1.06973
1.399	2.005	1.99375	1.26886	1.18218	1.11532
1.399	4.038	2.01992	1.30614	1.22408	1.15953
1.399	6.008	1.99379	1.33895	1.26107	1.19867
	GRADIENT	.00438	.01962	.02172	.02265

RUN NO. 378/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.450	-5.981	2.00115	1.09936	.99973	.92777
1.450	-3.970	2.01168	1.14537	1.04617	.97606
1.451	-1.985	1.99788	1.18682	1.09039	1.02105
1.449	.015	2.02906	1.22587	1.13330	1.06518
1.450	1.969	1.90944	1.26526	1.17597	1.10925
1.450	3.983	1.99259	1.30325	1.21882	1.15441
1.450	5.974	2.00322	1.33737	1.25779	1.19560
	GRADIENT	-.00632	.01985	.02170	.02240

RUN NO. 511/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.500	-5.993	1.99747	1.09965	.99771	.92668
1.500	-3.979	1.99835	1.14668	1.04396	.97331
1.500	-2.030	2.03421	1.18864	1.08826	1.01885
1.500	.015	1.94257	1.22835	1.13225	1.06357
1.500	2.038	1.92212	1.27068	1.17963	1.11178
1.501	3.979	1.94037	1.30842	1.22232	1.15669
1.499	6.030	2.03533	1.34451	1.26444	1.20136
	GRADIENT	-.01149	.02029	.02242	.02300

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R060) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 2.000
PHI = .000

RUN NO. 395/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.549	-5.959	1.98829	1.11781	1.00576	.93154
1.550	-4.017	2.00446	1.16248	1.05196	.97704
1.550	-2.004	2.02172	1.20381	1.09828	1.02182
1.550	.011	2.00565	1.25504	1.14609	1.06883
1.549	2.011	2.01225	1.31691	1.18963	1.11747
1.550	4.030	1.99424	1.32296	1.23066	1.16383
1.551	5.952	2.01589	1.35578	1.27129	1.20646
	GRADIENT	-.00149	.02158	.02232	.02334

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R061) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 307/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.599	-5.959	4.02038	.68702	.59592	.52319
.600	-3.997	3.99663	.73870	.64994	.57890
.600	-1.981	3.96277	.78803	.70405	.63560
.600	-.023	3.95614	.83604	.75609	.68966
.599	2.003	4.07740	.87755	.80243	.73836
.599	4.008	4.02928	.91552	.84597	.78485
.600	6.047	4.03318	.94602	.88299	.82620
	GRADIENT	.00902	.02216	.02453	.02574

RUN NO. 470/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.800	-6.040	4.03233	.76914	.67757	.60661
.800	-4.010	4.00471	.82013	.73101	.66209
.800	-2.007	3.94419	.86855	.78291	.71649
.800	-.039	3.97388	.91292	.83097	.76662
.799	1.988	4.06402	.95378	.87699	.81402
.800	3.997	4.01024	.99120	.91960	.85966
.800	6.020	4.01603	1.02387	.95809	.90176
	GRADIENT	.00655	.02136	.02355	.02462

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R061) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 478/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-6.042	4.07301	.83220	.74206	.67106
.900	-4.00E	4.01142	.88161	.79380	.72544
.900	-2.008	3.94778	.92655	.84228	.77614
.899	-.039	3.94590	.96984	.88902	.82457
.900	1.990	4.06466	1.00737	.93112	.86873
.900	4.016	4.02500	1.04397	.97300	.91340
.900	6.050	4.04031	1.07619	1.01096	.95466
	GRADIENT	.00723	.02023	.02231	.02337

RUN NO. 493/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.099	-6.035	4.04047	.98297	.89999	.83276
1.100	-3.964	3.94772	1.02746	.94659	.88165
1.100	-2.014	3.94308	1.06748	.98997	.92679
1.100	.006	4.00996	1.10633	1.03194	.97109
1.100	1.993	4.06692	1.14129	1.07084	1.01139
1.099	3.993	4.02135	1.17476	1.10870	1.05185
1.100	5.991	3.99374	1.20333	1.14238	1.08914
	GRADIENT	.01362	.01849	.02033	.02133

RUN NO. 337/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.249	-5.991	3.99525	1.05910	.97031	.90214
1.250	-4.006	4.01047	1.10261	1.01610	.94961
1.250	-1.986	3.95277	1.14732	1.06290	.99831
1.250	-.037	3.96032	1.18775	1.10603	1.04312
1.250	1.991	4.07236	1.22383	1.14593	1.08541
1.250	4.032	4.04112	1.25684	1.18368	1.12604
1.249	6.026	4.00560	1.28619	1.21850	1.16471
	GRADIENT	.00903	.01919	.02085	.02193

RUN NO. 500/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.397	-6.045	4.03792	1.08466	.99058	.91946
1.398	-4.000	4.01193	1.12876	1.03616	.96626
1.399	-2.007	3.94880	1.17253	1.08206	1.01270
1.399	-.002	3.96251	1.21529	1.12752	1.05993
1.399	1.968	3.92504	1.25221	1.16857	1.10327
1.398	3.960	3.97745	1.28685	1.20801	1.14454
1.398	6.023	4.01812	1.32369	1.24944	1.18779
	GRADIENT	-.00466	.01990	.02162	.02247

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R061) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.666 BETA = 4.000
PHI = .000

RUN NO. 377/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.449	-5.979	4.00633	1.08037	.98658	.91662
1.450	-4.007	4.00094	1.12499	1.03333	.96511
1.450	-1.968	3.94524	1.16775	1.07848	1.01109
1.450	-.032	3.95275	1.20834	1.12169	1.05559
1.450	1.994	4.07674	1.24447	1.16136	1.09777
1.450	3.994	4.01755	1.28376	1.20370	1.14081
1.451	5.981	3.98328	1.31754	1.24342	1.18340
	GRADIENT	.00825	.01976	.02123	.02195

RUN NO. 512/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.500	-6.011	4.06735	1.08035	.98450	.91566
1.500	-3.954	3.94489	1.12659	1.03173	.96314
1.500	-2.003	3.95243	1.17006	1.07742	1.00971
1.500	-.045	3.95655	1.21101	1.12068	1.05338
1.499	1.995	4.06678	1.25070	1.16469	1.09954
1.500	3.993	4.01280	1.28935	1.20738	1.14386
1.500	6.034	4.02135	1.32646	1.24906	1.18711
	GRADIENT	.01262	.02041	.02205	.02269

RUN NO. 394/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.551	-6.014	4.01163	1.09503	.98739	.91547
1.550	-3.956	3.94646	1.14885	1.03729	.96485
1.550	-1.989	3.93719	1.19435	1.08343	1.01110
1.550	.004	4.04698	1.23134	1.12713	1.05562
1.550	2.016	4.02614	1.26721	1.17211	1.10295
1.550	4.023	4.05927	1.30273	1.21601	1.14977
1.550	6.023	3.99149	1.34050	1.25950	1.19511
	GRADIENT	.01575	.01906	.02235	.02313

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R062) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.997 BETA = 4.000
PHI = .000

RUN NO. 330/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-5.979	4.00773	.83743	.74644	.67377
.900	-3.995	4.01168	.88332	.79477	.72456
.900	-2.019	3.97196	.92950	.84446	.77653
.899	-.047	3.94567	.97157	.88980	.82460
.900	1.984	4.04721	1.01154	.93416	.87104
.900	4.034	4.05249	1.04695	.97486	.91458
.899	6.017	4.00274	1.07873	1.01231	.95548
	GRADIENT	.00790	.02039	.02242	.02365

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R063) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.002 BETA = 4.000
PHI = .000

RUN NO. 331/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.899	-5.979	4.07292	.83563	.74387	.67143
.899	-4.030	4.03568	.88373	.79456	.72472
.900	-1.961	3.91805	.93227	.84641	.77873
.900	-.027	3.97454	.97304	.89073	.82558
.900	2.005	4.01462	1.01313	.93550	.87236
.900	4.008	4.01076	1.04838	.97536	.91523
.900	5.965	3.96053	1.08138	1.01379	.95677
	GRADIENT	.00224	.02047	.02249	.02368

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R064) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 468/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.599	-6.005	6.01051	.64868	.56614	.49739
.595	-3.991	5.99489	.70074	.62145	.55365
.600	-1.988	5.97058	.74943	.67376	.60794
.600	-.005	6.00503	.79508	.72384	.66059
.600	1.991	6.02360	.83724	.77132	.71054
.599	4.017	6.01534	.87817	.81713	.76001
	6.016	6.01938	.91006	.85544	.80160
	GRADIENT	.00469	.02214	.02445	.02577

RUN NO. 471/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.800	-6.006	6.01081	.73545	.65187	.58443
.800	-4.021	6.03820	.78564	.70460	.63866
.800	-1.979	6.02624	.83422	.75648	.69229
.800	.017	6.00266	.87845	.80457	.74232
.800	1.997	5.95221	.92010	.85068	.79070
.800	3.965	5.97494	.95746	.89312	.83610
.800	5.977	5.95627	.99065	.93198	.87871
	GRADIENT	-.01006	.02154	.02363	.02473

RUN NO. 479/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.901	-6.035	6.02745	.79957	.71647	.64901
.900	-3.998	6.01926	.84988	.76954	.70358
.900	-2.006	6.05162	.89281	.81610	.75184
.900	.025	5.96591	.93843	.86512	.80296
.900	1.996	5.95660	.97672	.90761	.84768
.900	3.961	5.92755	1.01242	.94805	.89104
.900	6.050	6.04058	1.04395	.98617	.93265
	GRADIENT	-.01400	.02054	.02252	.02364

RUN NO. 494/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.100	-5.999	6.01933	.95684	.88008	.81571
1.100	-4.006	6.03197	.99874	.92446	.86163
1.100	-2.006	6.06474	1.03804	.96730	.90609
1.100	.039	5.94596	1.07975	1.01145	.95234
1.100	2.006	5.98798	1.11392	1.04959	.99310
1.100	3.956	5.91939	1.14694	1.08678	1.03255
1.099	6.001	6.01008	1.17522	1.12082	1.06990
	GRADIENT	-.01517	.01868	.02042	.02152

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R064) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 338/ 0 RN/L = 3.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.250	-5.983	6.00680	1.03364	.95040	.88495
1.250	-4.00E	6.00868	1.07521	.99475	.93113
1.250	-1.993	5.97736	1.11973	1.04169	.97943
1.250	-.024	5.97802	1.15887	1.08380	1.02349
1.251	2.012	6.03049	1.19440	1.12310	1.06509
1.250	3.986	5.98697	1.22770	1.16109	1.10615
1.250	5.971	5.96150	1.25921	1.19663	1.14458
	GRADIENT	.00051	.01899	.02071	.02180

RUN NO. 501/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.397	-6.025	6.04890	1.05656	.96907	.90016
1.397	-3.996	6.01408	1.10262	1.01557	.94723
1.398	-1.994	6.02803	1.14599	1.06159	.99453
1.398	.025	5.99165	1.18618	1.10533	1.03978
1.399	2.024	5.97285	1.22575	1.14844	1.08453
1.398	3.966	5.90325	1.26166	1.18816	1.12652
1.398	6.011	6.00550	1.29558	1.22830	1.16967
	GRADIENT	-.01384	.01995	.02167	.02250

RUN NO. 376/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.449	-6.019	6.03371	1.05084	.96316	.89499
1.449	-3.986	6.00785	1.09697	1.01175	.94523
1.450	-1.995	6.05027	1.13906	1.05681	.99209
1.450	.040	5.98248	1.18001	1.10064	1.03697
1.450	2.001	5.97702	1.21842	1.14227	1.08013
1.449	4.044	5.97654	1.25640	1.18563	1.12556
1.450	6.002	5.96602	1.28874	1.22231	1.16507
	GRADIENT	-.00679	.01985	.02160	.02237

RUN NO. 513/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.500	-6.011	6.02518	1.05533	.96583	.89824
1.500	-3.989	5.99656	1.09953	1.01198	.94569
1.497	-2.002	6.05590	1.14121	1.05582	.99043
1.500	.044	6.01703	1.18184	1.09917	1.03568
1.500	1.975	5.93198	1.22283	1.14358	1.08077
1.500	4.034	6.00067	1.26188	1.18661	1.12505
1.500	6.036	6.02409	1.29928	1.22822	1.16968
	GRADIENT	-.00571	.02029	.02182	.02243

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R054) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.665 BETA = 6.000
PHI = .000

RUN NO. 393/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
1.549	-6.027	6.01640	1.06165	.96632	.89747
1.550	-4.034	6.05502	1.10889	1.01425	.94490
1.549	-1.969	6.01886	1.15539	1.06377	.99442
1.551	.002	6.00119	1.19535	1.10633	1.03899
1.550	2.033	5.93017	1.23809	1.15386	1.08732
1.549	4.034	6.04535	1.27754	1.19801	1.13294
1.549	6.014	6.02159	1.31739	1.24188	1.17938
	GRADIENT	-.00539	.02086	.02273	.02329

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R065) (21 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 4.001 BETA = 6.000
PHI = .000

RUN NO. 327/ 0 RN/L = 4.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CP9	CP10	CP11
.900	-5.958	5.98301	.80709	.72198	.65294
.900	-4.009	6.01815	.85248	.77074	.70325
.900	-1.961	5.94577	.89918	.82067	.75505
.899	.001	5.99972	.93952	.86519	.80189
.900	1.998	6.01732	.97955	.90938	.84872
.899	4.006	6.01602	1.01428	.94949	.89205
.899	6.038	6.01306	1.04658	.98724	.93321
	GRADIENT	.00331	.02021	.02232	.02358

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R066) (16 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 446/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
.599	-.004	-31.52000	.86373	.78008	.70810
.598	-.004	.00000	.86631	.78238	.71044
	GRADIENT	94075.92285	7.71864	6.86205	6.98338

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R066) (16 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 436/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
.799	.001	-31.44000	.93519	.85113	.77799
.800	.001	.01000	.93605	.85200	.77853
	GRADIENT**********		-2.21686	-2.24056	-1.39292

RUN NO. 435/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
.900	-.001	-31.44000	.99098	.90830	.83639
.899	-.000	-.07000	.99026	.90693	.83555
	GRADIENT54607.80566		-1.24642	-2.37969	-1.46408

RUN NO. 425/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
1.100	-.002	-31.49000	1.12545	1.04912	.98281
1.099	-.002	.01000	1.12499	1.04843	.98238
	GRADIENT**********		.75828	1.13742	.70893

RUN NO. 424/ 0 RN/L = 1.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
1.251	-.000	-31.48000	1.19267	1.11242	1.04354
1.250	-.002	.01000	1.19667	1.11591	1.04731
	GRADIENT**********		-2.64869	-2.31096	-2.49638

RUN NO. 411/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
1.400	-.004	-31.50000	1.23602	1.14789	1.07629
1.399	-.001	-.01000	1.23476	1.14642	1.07484
	GRADIENT13444.56689		-.53796	-.62762	-.61909

RUN NO. 423/ 0 RN/L = 2.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
1.425	-.002	-31.50000	1.23140	1.14273	1.07160
1.425	-.002	-.01000	1.23039	1.14231	1.07192
	GRADIENT**********		1.76301	.73323	-.55870

RUN NO. 422/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
1.449	-.003	-31.50000	1.23708	1.14615	1.07420
1.450	-.002	-.01000	1.23149	1.13957	1.06783
	GRADIENT20338.56567		-3.61046	-4.24985	-4.11421

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R066) (16 FEB 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

RN/L = 2.032 ALPHA = .000
BETA = .000

RUN NO. 421/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
1.475	-.003	-31.52000	1.23192	1.13872	1.06702
1.475	-.001	.01000	1.22652	1.13424	1.06168
	GRADIENT	20282.65845	-3.47372	-2.88191	-3.43514

RUN NO. 401/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
1.500	-.005	-31.48000	1.23937	1.14507	1.07390
1.499	-.005	.02000	1.23656	1.14176	1.06976
	GRADIENT	**********	-10.36921	-12.21418	-15.27961

RUN NO. 400/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
1.525	-.004	-31.50000	1.23503	1.14662	1.07212
1.527	-.004	.00000	1.23036	1.14022	1.06446
	GRADIENT	**********	5.40174	7.40274	8.86074

RUN NO. 399/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
1.550	-.005	-31.51000	1.20179	1.15946	1.08096
1.551	-.005	-.01000	1.20500	1.15937	1.08025
	GRADIENT	**********	-11.76354	.32824	2.60405

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R067) (16 FEB 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

RN/L = 3.357 ALPHA = .000
BETA = .000

RUN NO. 502/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
1.399	.001	-31.52000	1.24059	1.14825	1.07885
1.400	-.000	-.02000	1.23969	1.14658	1.07716
	GRADIENT	**********	.79185	1.46931	1.48689

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R067) (16 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.357 ALPHA = .000
BETA = .000

RUN NO. 503/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
1.425	-.003	-31.52000	1.23080	1.13823	1.06986
1.425	-.001	-.05000	1.23263	1.14073	1.07244
	GRADIENT	14122.39844	.82122	1.12189	1.15778

RUN NO. 504/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
1.451	-.003	-31.60000	1.23395	1.13857	1.06995
1.450	-.002	-.05000	1.23088	1.13590	1.06741
	GRADIENT	27642.21631	-2.68982	-2.33934	-2.22540

RUN NO. 505/ 0 RN/L = 3.32 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
1.475	-.007	-31.59000	1.22969	1.13311	1.06408
1.475	-.003	-.05000	1.22691	1.13028	1.06151
	GRADIENT	7250.10815	-.63905	-.65051	-.59077

RUN NO. 506/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
1.500	-.004	-31.59000	1.24028	1.14166	1.07236
1.500	-.003	-.04000	1.23614	1.13659	1.06675
	GRADIENT	21964.33252	-2.88214	-3.52958	-3.90546

RUN NO. 514/ 0 RN/L = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
1.525	-.003	-31.59000	1.24350	1.14199	1.07084
1.525	-.004	-.03000	1.24467	1.14108	1.06852
	GRADIENT	**********	-1.51939	1.18197	3.01325

RUN NO. 515/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
1.550	-.000	-31.59000	1.21993	1.15351	1.07983
1.550	-.001	-.06000	1.22167	1.15255	1.07829
	GRADIENT	**********	-1.62672	.89748	1.43976

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (P4R068) (16 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 3.146 ALPHA = .000
BETA = .000

RUN NO. 398/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	PHI	CP9	CP10	CP11
1.550	-.003	-31.50000	1.21684	1.15129	1.07765
1.550	-.003	.00000	1.22026	1.15305	1.07825
	GRADIENT	54954.65723	5.96713	3.07055	1.04667

IA132(AEDC TF-505) PR-12, ROSEMONT PROBE (A4R069) (08 DEC 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

RN/L = 1.866 BETA = .000

RUN NO. 140/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
.399	-3.708	1.18541	83.87050	1.01796	752.94000	840.20000	1.04039	71.20000	.00000	-15.99970
.401	-.113	.03634	84.48490	1.03582	751.56900	839.50000	1.04077	65.30000	.00000	-.02160
.400	3.469	-1.10833	84.28830	1.02838	751.78200	839.50000	1.04065	67.80000	.00000	16.00610
	GRADIENT	-.31955	.05827	.00145	-.16146	-.09758	.00004	-.47435	.00000	4.45892

RUN NO. 141/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
.600	-3.706	1.18481	320.94500	2.48139	1275.06000	1625.89999	1.09315	110.90000	.00000	-15.99130
.600	-.108	.03449	320.32900	2.47800	1272.94000	1623.10001	1.09313	110.70000	.00000	.00386
.599	3.467	-1.10831	320.04300	2.47859	1273.89999	1623.70000	1.09298	110.50000	.00000	15.99770
	GRADIENT	-.31965	-.12578	-.00039	-.16217	-.30719	-.00002	-.05576	.00000	4.45909

RUN NO. 142/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
.800	-3.708	1.18544	322.82900	1.99827	721.20900	1099.00000	1.17025	110.70000	.00000	-15.99970
.800	-.108	.03447	322.50300	1.99562	719.83900	1097.30000	1.17041	110.70000	.00000	.00386
.800	3.467	-1.10842	322.90900	1.99924	721.41700	1099.30000	1.17025	110.60000	.00000	15.99770
	GRADIENT	-.31967	.01103	.00013	.02850	.04119	-.00000	-.01392	.00000	4.45916

RUN NO. 146/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
.899	-3.707	1.18505	349.28800	1.99908	616.84800	1042.60001	1.21891	110.20000	.00000	-15.99550
.899	-.109	.03477	349.41000	2.00090	618.14300	1043.89999	1.21850	110.20000	.00000	-.00038
.899	3.467	-1.10839	348.27000	1.99525	615.67100	1040.10001	1.21868	109.90000	.00000	15.99770
	GRADIENT	-.31965	-.14170	-.00053	-.16349	-.34769	-.00003	-.04177	.00000	4.45910

RUN NO. 147/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
1.101	-3.707	1.18507	372.73600	1.89852	439.03100	938.90000	1.33827	110.70000	.00000	-15.99550
1.101	-.107	.03416	372.36800	1.89625	438.63900	938.00000	1.33824	110.80000	.00000	.00811
1.101	3.466	-1.10810	373.23800	1.90117	440.11800	940.50000	1.33789	110.80000	.00000	15.99360
	GRADIENT	-.31966	.06975	.00037	.15119	.22242	-.00005	.01396	.00000	4.45913

RUN NO. 148/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
1.250	-3.708	1.18535	404.79500	1.95461	370.19200	958.70000	1.42323	110.00000	.00000	-15.99970
1.250	-.108	.03443	404.70700	1.95353	369.89600	958.40000	1.42343	110.10000	.00000	.00386
1.250	3.467	-1.10843	404.78000	1.94698	369.79600	958.50000	1.42357	111.60000	.00000	15.99770
	GRADIENT	-.31966	-.00212	-.00106	-.05522	-.02794	.00005	.22274	.00000	4.45906

IA132(AEDC TF-505) PR-12, ROSEMONT PROBE (A4R069) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.866 BETA = .000

RUN NO. 149/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
1.401	-3.708	1.18536	429.50500	1.99675	312.80900	996.20000	1.49383	110.90000	.00000	-15.99970
1.401	-.110	.03505	430.24000	2.00331	313.19800	997.90000	1.49397	110.20000	.00000	-.00462
1.399	3.468	-1.10874	429.96800	2.00307	313.69500	997.30000	1.49332	110.10000	.00000	16.00190
	GRADIENT	-.31966	.06465	.00088	.12344	.15359	-.00007	-.11155	.00000	4.45911

RUN NO. 150/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
1.450	-3.721	1.18933	433.51700	2.00093	294.35600	1006.30000	1.51387	110.50000	.00000	-16.05430
1.451	-.108	.03449	432.51000	1.99747	293.37500	1004.00000	1.51415	110.20000	.00000	.00386
1.451	3.468	-1.10868	433.16400	1.99966	293.96300	1005.50000	1.51402	110.40000	.00000	16.00190
	GRADIENT	-.31965	-.04950	-.00018	-.05504	-.11219	.00002	-.01403	.00000	4.45896

RUN NO. 151/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
1.498	-3.727	1.19112	435.25200	1.99646	276.96400	1014.30000	1.53164	110.50000	.00000	-16.07950
1.500	-.109	.03475	435.44000	1.99607	276.56400	1014.90000	1.53214	110.70000	.00000	-.00038
1.501	3.466	-1.10812	435.43000	1.99578	276.16700	1015.00000	1.53252	110.70000	.00000	15.99360
	GRADIENT	-.31965	.02480	-.00009	-.11080	.09746	.00012	.02786	.00000	4.45896

RUN NO. 152/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
1.549	-3.708	1.18545	438.06300	1.99917	260.67000	1028.39999	1.54921	110.50000	.00000	-15.99970
1.549	-.109	.03506	438.06300	2.00058	260.67000	1028.39999	1.54921	110.20000	.00000	-.00462
1.550	3.467	-1.10842	438.04300	1.99669	260.57000	1028.39999	1.54930	111.00000	.00000	15.99770
	GRADIENT	-.31967	-.00278	-.00034	-.01392	.00000	.00001	.06952	.00000	4.45912

IA132(AEDC TF-505) PR-12, ROSEMONT PROBE (Q4R069) (28 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.866 ALPHA = .000
BETA = .000

RUN NO. 140/ 0 RN/L = 1.02 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPSRF	CPSRA	ZSTRUT
.399	-3.708	1.18541	.00172	.00515	-15.99970
.401	-.113	.03634	.00307	.00733	-.02160
.400	3.469	-1.10833	.00733	.01074	16.00610
	GRADIENT	-.31955	.00078	.00078	4.45892

IA132(AEDC TF-505) PR-12, ROSEMONT PROBE (Q4R069) (28 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.866 ALPHA = .000
BETA = .000

RUN NO. 141/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPSRF	CPSRA	ZSTRUT
.600	-3.706	1.18481	-.00080	.00189	-15.99130
.600	-.108	.03449	-.00141	.00083	.00386
.599	3.467	-1.10831	-.00326	-.00102	15.99770
	GRADIENT	-.31965	-.00034	-.00041	4.45909

RUN NO. 142/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPSRF	CPSRA	ZSTRUT
.800	-3.708	1.18544	.00397	.00620	-15.99970
.800	-.108	.03447	.00237	.00483	.00386
.800	3.467	-1.10842	.00381	.00604	15.99770
	GRADIENT	-.31967	-.00002	-.00002	4.45916

RUN NO. 146/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPSRF	CPSRA	ZSTRUT
.899	-3.707	1.18505	.00431	.00637	-15.99550
.899	-.109	.03477	.00411	.00679	-.00038
.899	3.467	-1.10839	.00343	.00611	15.99770
	GRADIENT	-.31965	-.00012	-.00004	4.45910

RUN NO. 147/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPSRF	CPSRA	ZSTRUT
1.101	-3.707	1.18507	.01050	.00818	-15.99550
1.101	-.107	.03416	.00971	.00488	.00811
1.101	3.466	-1.10810	.00570	.01090	15.99360
	GRADIENT	-.31966	-.00067	.00038	4.45913

RUN NO. 148/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPSRF	CPSRA	ZSTRUT
1.250	-3.708	1.18535	-.00763	-.01403	-15.99970
1.250	-.108	.03443	-.01191	.00837	.00386
1.250	3.467	-1.10843	-.00088	-.00888	15.99770
	GRADIENT	-.31966	.00094	.00072	4.45906

RUN NO. 149/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPSRF	CPSRA	ZSTRUT
1.401	-3.708	1.18536	-.00749	.00156	-15.99970
1.401	-.110	.03505	-.02184	-.00193	-.00462
1.399	3.468	-1.10874	-.01314	.00394	16.00190
	GRADIENT	-.31966	-.00079	.00033	4.45911

IA132(AEDC TF-505) PR-12, ROSEMONT PROBE (Q4R069) (28 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.866 ALPHA = .000
BETA = .000

RUN NO. 150/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPSRF	CPSRA	ZSTRUT
1.450	-3.721	1.18933	-.01009	-.01307	-16.05430
1.451	-.108	.03449	-.01548	-.01465	.00386
1.451	3.468	-1.10868	-.00712	-.01210	16.00190
	GRADIENT	-.31965	.00041	.00013	4.45896

RUN NO. 151/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPSRF	CPSRA	ZSTRUT
1.498	-3.727	1.19112	-.00484	-.00252	-16.07950
1.500	-.109	.03475	.00277	-.00516	-.00038
1.501	3.466	-1.10812	-.00318	-.00352	15.99360
	GRADIENT	-.31965	.00023	-.00014	4.45896

RUN NO. 152/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPSRF	CPSRA	ZSTRUT
1.549	-3.708	1.18545	-.01221	-.00219	-15.99970
1.549	-.109	.03506	-.00630	.01409	-.00462
1.550	3.467	-1.10842	-.00186	.00554	15.99770
	GRADIENT	-.31967	.00144	.00108	4.45912

IA132(AEDC TF-505) PR-12, ROSEMONT PROBE (A4R070) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.929 BETA = .000

RUN NO. 154/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
1.099	-3.711	1.18634	372.41700	1.90095	440.42800	939.30000	1.33691	110.20000	.00000	-16.01230
1.101	-1.887	.60346	373.04400	1.90249	440.02100	940.10000	1.33779	110.30000	.00000	-7.91099
1.101	-.110	.03510	373.60800	1.91010	440.21200	941.20000	1.33815	109.10000	.00000	-.00462
1.101	1.681	-.53771	372.13400	1.90318	438.64200	937.60000	1.33802	109.00000	.00000	8.01281
1.098	3.467	-1.10840	372.41400	1.90505	441.02500	939.70000	1.33645	109.40000	.00000	15.99770
	GRADIENT	-.31969	-.05068	.00050	-.01069	-.09436	-.00004	-.16167	.00000	4.45979

IA132(AEDC TF-505) PR-12, ROSEMONT PROBE (A4R070) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.929 BETA = .000

RUN NO. 153/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
1.251	-3.710	1.18607	403.82900	1.95171	368.81600	956.20000	1.42367	109.50000	.00000	-16.00810
1.250	-1.894	.60598	404.33700	1.95484	369.50400	957.50000	1.42348	109.40000	.00000	-7.94489
1.250	-.109	.03477	404.64900	1.95581	369.69800	958.20000	1.42356	109.50000	.00000	-.00038
1.249	1.679	-.53717	403.58200	1.95253	369.70900	956.10000	1.42269	109.30000	.00000	8.00424
1.248	3.467	-1.10836	402.64600	1.94782	369.12400	954.00000	1.42244	109.40000	.00000	15.99770
	GRADIENT	-.31971	-.17357	-.00056	.04612	-.32237	-.00018	-.01675	.00000	4.45983

IA132(AEDC TF-505) PR-12, ROSEMONT PROBE (Q4R070) (28 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.929 ALPHA = .000
BETA = .000

RUN NO. 154/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPSRF	CPSRA	ZSTRUT
1.099	-3.711	1.18634	.00858	.00510	-16.01230
1.101	-1.887	.60346	.00916	.00839	-7.91099
1.101	-.110	.03510	.00917	.00571	-.00462
1.101	1.681	-.53771	.00584	.00081	8.01281
1.098	3.467	-1.10840	.01168	.00859	15.99770
	GRADIENT	-.31969	.00016	-.00003	4.45979

RUN NO. 153/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPSRF	CPSRA	ZSTRUT
1.251	-3.710	1.18607	-.00271	-.00913	-16.00810
1.250	-1.894	.60598	-.00464	-.00037	-7.94489
1.250	-.109	.03477	-.00676	.01086	-.00038
1.249	1.679	-.53717	.00372	-.00734	8.00424
1.248	3.467	-1.10836	-.00149	-.00543	15.99770
	GRADIENT	-.31971	.00060	.00003	4.45983

IA132(AEDC TF-505) PR-4, FLT. TEST PROBE (A4R071) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.943 BETA = .000

RUN NO. 163/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
.400	-3.894	-.00007	84.38800	1.02280	754.48700	842.30000	1.04055	71.00000	.00000	-16.00390
.399	-.113	.00003	83.99780	1.02196	752.09800	839.50000	1.04049	69.70000	.00000	.00386
.400	3.642	-.00001	84.40510	1.02990	754.16700	842.00000	1.04058	68.10000	.00000	16.00610
	GRADIENT	.00001	.00215	.00094	-.04315	-.04062	.00000	-.38477	.00000	4.24761

RUN NO. 164/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
.600	-3.897	.00001	323.38200	2.50740	1282.53999	1636.10001	1.09332	109.30000	.00000	-16.01650
.600	-.115	.00000	323.42800	2.51075	1281.56000	1635.20000	1.09341	108.60000	.00000	-.00462
.600	3.640	-.00003	323.32400	2.50326	1281.89000	1635.39999	1.09336	109.90000	.00000	15.99770
	GRADIENT	-.00001	-.00767	-.00055	-.08645	-.09305	.00001	.07929	.00000	4.24765

RUN NO. 165/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
.800	-3.893	.00002	323.01800	1.99911	720.38700	1098.50000	1.17056	110.50000	.00000	-15.99970
.800	-.114	.00001	322.78300	1.99873	720.95100	1098.70000	1.17029	110.50000	.00000	-.00038
.802	3.639	-.00003	323.63700	2.00260	719.58500	1098.60001	1.17111	110.10000	.00000	15.99360
	GRADIENT	-.00001	.08202	.00046	-.10618	.01333	.00007	-.05305	.00000	4.24766

RUN NO. 166/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
.900	-3.892	-.00001	348.57100	1.99184	615.16600	1040.10001	1.21907	110.80000	.00000	-15.99550
.900	-.113	.00001	348.76700	1.99367	615.76000	1040.89999	1.21898	110.70000	.00000	.00386
.900	3.637	-.00000	348.95600	1.99420	615.55700	1041.00000	1.21919	110.70000	.00000	15.98520
	GRADIENT	.00000	.05114	.00031	.05207	.11966	.00002	-.01330	.00000	4.24768

RUN NO. 169/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
1.399	-3.894	-.00005	430.01000	2.00426	313.79300	997.40000	1.49326	109.90000	.00000	-16.00390
1.400	-.068	-.00002	429.46100	2.00169	312.80900	996.10000	1.49380	109.80000	.00000	.19488
1.400	3.639	-.00000	429.97600	2.00325	313.29900	997.30000	1.49370	110.00000	.00000	15.99360
	GRADIENT	.00001	-.00526	-.00014	-.06660	-.01502	.00006	.01306	.00000	4.24753

RUN NO. 170/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
1.450	-3.893	-.00002	431.46700	1.99263	293.28700	1001.50000	1.51356	110.30000	.00000	-15.99970
1.451	-.114	-.00001	432.43800	1.99732	293.57400	1003.80000	1.51391	110.20000	.00000	-.00038
1.451	3.640	-.00002	433.80800	2.00260	294.35300	1007.00000	1.51406	110.40000	.00000	15.99770
	GRADIENT	-.00000	.31071	.00132	.14144	.73001	.00007	.01323	.00000	4.24773

IA132(AEDC TF-505) PR-4, FLT. TEST PROBE (A4R071) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.943 BETA = .000

RUN NO. 171/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
1.499	-3.893	-.00001	436.19700	1.99920	277.25100	1016.60000	1.53195	110.80000	.00000	-15.99970
1.500	-.113	-.00000	436.18700	1.99938	276.85300	1016.70000	1.53233	110.70000	.00000	.00386
1.501	3.640	-.00003	436.29300	2.00023	276.75200	1017.00000	1.53249	110.60000	.00000	15.99770
	GRADIENT	-.00000	.01273	.00014	-.06629	.05307	.00007	-.02655	.00000	4.24765

RUN NO. 172/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
1.551	-3.893	-.00002	437.34200	1.99523	259.88000	1026.89999	1.54957	110.60000	.00000	-15.99970
1.550	-.113	-.00003	438.17500	2.00011	260.66800	1028.70000	1.54927	110.40000	.00000	.00386
1.549	3.639	-.00004	438.47900	2.00067	261.06300	1029.30000	1.54907	110.60000	.00000	15.99360
	GRADIENT	-.00000	.15104	.00072	.15713	.31884	-.00007	-.00007	.00000	4.24766

IA132(AEDC TF-505) PR-4, FLT. TEST PROBE (Q4R071) (28 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 1.943 BETA = .000

RUN NO. 163/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTF	CPSF	ZSTRUT
.400	-3.894	-.00007	1.04656	-.00430	-16.00390
.399	-.113	.00003	1.03967	-.00208	.00386
.400	3.642	-.00001	1.04744	.00631	16.00610
	GRADIENT	.00001	.00011	.00141	4.24761

RUN NO. 164/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTF	CPSF	ZSTRUT
.600	-3.897	.00001	1.09533	-.00202	-16.01650
.600	-.115	.00000	1.09608	.00021	-.00462
.600	3.640	-.00003	1.09536	-.00028	15.99770
	GRADIENT	-.00001	.00000	.00023	4.24765

RUN NO. 165/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTF	CPSF	ZSTRUT
.800	-3.893	.00002	1.17257	.00533	-15.99970
.800	-.114	.00001	1.17252	.00500	-.00038
.802	3.639	-.00003	1.17178	.00510	15.99360
	GRADIENT	-.00001	-.00010	-.00003	4.24766

IA132(AEDC TF-505) PR-4, FLT. TEST PROBE (Q4R071) (28 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.943 BETA = .000

RUN NO. 166/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTF	CPSF	ZSTRUT
.900	-3.892	-.00001	1.22052	.00592	-15.99550
.900	-.113	.00001	1.22146	.00613	.00386
.900	3.637	-.00000	1.21939	.00593	15.98520
	GRADIENT	.00000	-.00015	.00000	4.24768

RUN NO. 169/ 0 RN/L = 1.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTF	CPSF	ZSTRUT
1.399	-3.894	-.00005	1.49665	-.04110	-16.00390
1.400	-.068	-.00002	1.49649	-.03834	.19488
1.400	3.639	-.00000	1.49367	-.03408	15.99360
	GRADIENT	.00001	-.00039	.00093	4.24753

RUN NO. 170/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTF	CPSF	ZSTRUT
1.450	-3.893	-.00002	1.50574	-.04992	-15.99970
1.451	-.114	-.00001	1.50885	-.05411	-.00038
1.451	3.640	-.00002	1.50933	-.05024	15.99770
	GRADIENT	-.00000	.00048	-.00004	4.24773

RUN NO. 171/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTF	CPSF	ZSTRUT
1.499	-3.893	-.00001	1.53273	-.04111	-15.99970
1.500	-.113	-.00000	1.53341	-.04491	.00386
1.501	3.640	-.00003	1.53412	-.04094	15.99770
	GRADIENT	-.00000	.00018	.00002	4.24765

RUN NO. 172/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTF	CPSF	ZSTRUT
1.551	-3.893	-.00002	1.54770	-.03399	-15.99970
1.550	-.113	-.00003	1.56843	-.01943	.00386
1.549	3.639	-.00004	1.55352	-.02598	15.99360
	GRADIENT	-.00000	.00078	.00107	4.24766

IA132(AEDC TF-505) PR-4, FLT. TEST PROBE (A4R072) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.240 BETA = .000

RUN NO. 158/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
.599	-3.707	1.18508	319.85000	2.48090	1273.73000	1623.30000	1.09292	109.90000	.00000	-15.99550
.600	-.108	.03448	320.95700	2.48916	1271.56000	1622.50000	1.09342	109.00000	.00000	.00386
.599	3.466	-1.10803	319.93800	2.47883	1273.41000	1623.10001	1.09299	110.30000	.00000	15.99360
	GRADIENT	-.31965	.01262	-.00029	-.04528	-.02811	.00001	.05539	.00000	4.45910

RUN NO. 159/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
.800	-3.708	1.18548	322.52800	1.99825	720.12800	1097.60001	1.17035	110.20000	.00000	-15.99970
.800	-.108	.03447	322.42200	1.99734	719.63100	1097.00000	1.17042	110.20000	.00000	.00386
.800	3.467	-1.10832	321.57800	1.99251	718.15200	1094.50000	1.17032	110.20000	.00000	15.99770
	GRADIENT	-.31966	-.13227	-.00080	-.27521	-.43169	-.00001	-.00000	.00000	4.45911

IA132(AEDC TF-505) PR-4, FLT. TEST PROBE (Q4R072) (28 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.240 BETA = .000

RUN NO. 158/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTF	CPSF	ZSTRUT
.599	-3.707	1.18508	1.09450	-.00298	-15.99550
.600	-.108	.03448	1.09500	-.00201	.00386
.599	3.466	-1.10803	1.09568	.00094	15.99360
	GRADIENT	-.31965	.00016	.00055	4.45910

RUN NO. 159/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTF	CPSF	ZSTRUT
.800	-3.708	1.18548	1.17192	.00326	-15.99970
.800	-.108	.03447	1.17243	.00236	.00386
.800	3.467	-1.10832	1.17166	.00252	15.99770
	GRADIENT	-.31966	-.00004	-.00010	4.45911

IA132(AEDC TF-505) PR-4, FLT. TEST PROBE (A4R073) (08 DEC 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

RN/L = 1.922 BETA = .000

RUN NO. 167/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
1.099	-3.894	-.00001	371.87300	1.89974	440.03800	938.10000	1.33671	109.90000	.00000	-16.00390
1.100	-1.976	-.00001	372.53600	1.90239	440.12800	939.30000	1.33725	109.90000	.00000	-7.88981
1.098	-.114	.00004	370.33800	1.89292	438.76800	934.60000	1.33629	109.80000	.00000	-.00038
1.099	1.492	.00004	371.42700	1.89794	439.54700	937.00000	1.33669	109.80000	.00000	6.84400
1.102	1.764	-.00000	371.84500	1.89764	437.75200	936.50000	1.33845	109.80000	.00000	8.00853
1.101	3.639	.00008	373.49200	1.90628	439.91500	940.80000	1.33828	109.80000	.00000	15.99360
	GRADIENT	.00001	.10661	.00035	-.12329	.09964	.00019	-.01645	.00000	4.24796

RUN NO. 168/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
1.251	-3.894	-.00000	404.42400	1.95119	369.10700	957.50000	1.42389	110.20000	.00000	-16.00390
1.250	-1.978	-.00000	403.96700	1.94850	369.11100	956.60000	1.42352	110.40000	.00000	-7.89828
1.250	-.114	-.00001	403.08900	1.94467	368.72400	954.70000	1.42315	110.40000	.00000	-.00038
1.249	1.762	-.00003	404.91800	1.95298	370.78500	959.20000	1.42281	110.60000	.00000	7.99996
1.249	3.640	-.00001	405.07100	1.95313	370.78300	959.50000	1.42294	110.70000	.00000	15.99770
	GRADIENT	-.00000	.11889	.00044	.26688	.34983	-.00014	.06384	.00000	4.24831

IA132(AEDC TF-505) PR-4, FLT. TEST PROBE (Q4R073) (28 FEB 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

RN/L = 1.922 BETA = .000

RUN NO. 167/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTF	CPSF	ZSTRUT
1.099	-3.894	-.00001	1.33836	-.05320	-16.00390
1.100	-1.976	-.00001	1.33877	-.05327	-7.88981
1.098	-.114	.00004	1.33770	-.05855	-.00038
1.099	1.492	.00004	1.33833	-.05057	6.84400
1.102	1.764	-.00000	1.34012	-.05285	8.00853
1.101	3.639	.00008	1.34166	-.04809	15.99360
	GRADIENT	.00001	.00036	.00063	4.24796

RUN NO. 168/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTF	CPSF	ZSTRUT
1.251	-3.894	-.00000	1.42035	-.05681	-16.00390
1.250	-1.978	-.00000	1.42382	-.05011	-7.89828
1.250	-.114	-.00001	1.42638	-.03971	-.00038
1.249	1.762	-.00003	1.42259	-.05491	7.99996
1.249	3.640	-.00001	1.42244	-.05613	15.99770
	GRADIENT	-.00000	.00016	-.00018	4.24831

IA132(AEDC TF-505) PR-4, FLT. TEST PROBE (A4R074) (08 DEC 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

RN/L = 1.969 BETA = .000

RUN NO. 173/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
1.101	-1.976	-.00002	372.52300	1.90096	438.83600	938.40000	1.33823	109.90000	.00000	-7.88981
1.099	-.112	.00001	371.52400	1.89939	439.74500	937.30000	1.33662	109.60000	.00000	.00811
1.102	1.764	-.00004	372.77800	1.90185	438.33500	938.50000	1.33885	109.80000	.00000	8.00853
	GRADIENT	-.00001	.06883	.00024	-.13462	.02740	.00017	-.02659	.00000	4.25094

RUN NO. 174/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
1.251	-1.976	-.00002	404.12500	1.94998	368.61500	956.70000	1.42409	110.10000	.00000	-7.88981
1.250	-.114	-.00002	404.35900	1.95167	369.40400	957.50000	1.42358	110.10000	.00000	-.00038
1.249	1.765	-.00001	403.61100	1.95004	369.80800	956.20000	1.42262	109.90000	.00000	8.01281
	GRADIENT	.00000	-.13780	.00001	.31875	-.13451	-.00039	-.05354	.00000	4.25101

RUN NO. 175/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
1.400	-1.974	.00001	428.59800	1.99445	312.22300	994.10000	1.49376	110.50000	.00000	-7.88133
1.400	-.069	-.00003	430.27600	2.00145	313.59300	998.00000	1.49363	110.70000	.00000	.19063
1.401	1.763	-.00008	429.76500	1.99882	312.90500	996.80000	1.49392	110.70000	.00000	8.00424
	GRADIENT	-.00003	.31607	.00119	.18607	.73133	.00004	.05386	.00000	4.25092

RUN NO. 176/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
1.450	-1.973	-.00002	433.52700	2.00065	294.55400	1006.30000	1.51369	110.60000	.00000	-7.87710
1.450	-.115	-.00002	432.70200	1.99675	293.86900	1004.40000	1.51381	110.60000	.00000	-.00462
1.449	1.764	-.00001	433.50100	1.99982	294.85200	1006.20000	1.51339	110.80000	.00000	8.00853
	GRADIENT	.00000	-.00615	-.00022	.08057	-.02493	-.00008	.05362	.00000	4.25098

RUN NO. 177/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
1.550	-1.977	-.00001	437.94600	1.99565	260.27100	1028.30000	1.54953	111.10000	.00000	-7.89404
1.551	-.112	-.00001	438.39700	1.99673	260.46400	1029.39999	1.54960	111.30000	.00000	.00811
1.550	1.764	.00002	437.53400	1.99343	260.27800	1027.20000	1.54928	111.20000	.00000	8.00853
	GRADIENT	.00001	-.11048	-.00069	.00177	-.29491	-.00007	.02665	.00000	4.25099

IA132(AEDC TF-505) PR-4, FLT. TEST PROBE (Q4R074) (28 FEB 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

RN/L = 1.969 BETA = .000

RUN NO. 173/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTF	CPSF	ZSTRUT
1.101	-1.976	-.00002	1.34006	-.05213	-7.88981
1.099	-.112	.00001	1.33748	-.06063	.00811
1.102	1.764	-.00004	1.34153	-.05267	8.00853
	GRADIENT	-.00001	.00039	-.00014	4.25094

RUN NO. 174/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTF	CPSF	ZSTRUT
1.251	-1.976	-.00002	1.42492	-.05081	-7.88981
1.250	-.114	-.00002	1.42608	-.04007	-.00038
1.249	1.765	-.00001	1.42182	-.05621	8.01281
	GRADIENT	.00000	-.00083	-.00145	4.25101

RUN NO. 175/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTF	CPSF	ZSTRUT
1.400	-1.974	.00001	1.49738	-.03744	-7.88133
1.400	-.069	-.00003	1.49624	-.03940	.19063
1.401	1.763	-.00008	1.49851	-.03998	8.00424
	GRADIENT	-.00003	.00030	-.00068	4.25092

RUN NO. 176/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTF	CPSF	ZSTRUT
1.450	-1.973	-.00002	1.51188	-.04845	-7.87710
1.450	-.115	-.00002	1.50896	-.05323	-.00462
1.449	1.764	-.00001	1.51205	-.04197	8.00853
	GRADIENT	.00000	.00005	.00174	4.25098

RUN NO. 177/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTF	CPSF	ZSTRUT
1.550	-1.977	-.00001	1.56086	-.02767	-7.89404
1.551	-.112	-.00001	1.56609	-.01942	.00811
1.550	1.764	.00002	1.56145	-.02985	8.00853
	GRADIENT	.00001	.00016	-.00059	4.25095

IA132(AEDC TF-505) PR-4, FLT. TEST PROBE (A4R075) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.005 BETA = .000

RUN NO. 178/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	ZSTRUT
1.449	1.762	-.00002	433.11200	2.00362	294.55800	1005.30000	1.51341	109.60000	.00000	7.99996
1.451	3.638	-.00004	433.38700	2.00313	294.25800	1006.00000	1.51388	109.90000	.00000	15.98940
	GRADIENT	-.00001	.14660	-.00026	-.15990	.37315	.00025	.15992	.00000	4.25879

IA132(AEDC TF-505) PR-4, FLT. TEST PROBE (Q4R075) (28 FEB 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 RN/L = 2.005 BETA = .000

RUN NO. 178/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPTF	CPSF	ZSTRUT
1.449	1.762	-.00002	1.51284	-.04185	7.99996
1.451	3.638	-.00004	1.50987	-.04880	15.98940
	GRADIENT	-.00001	-.00158	-.00371	4.25879

DATA SET	SYMBOL	CONFIGURATION	SETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

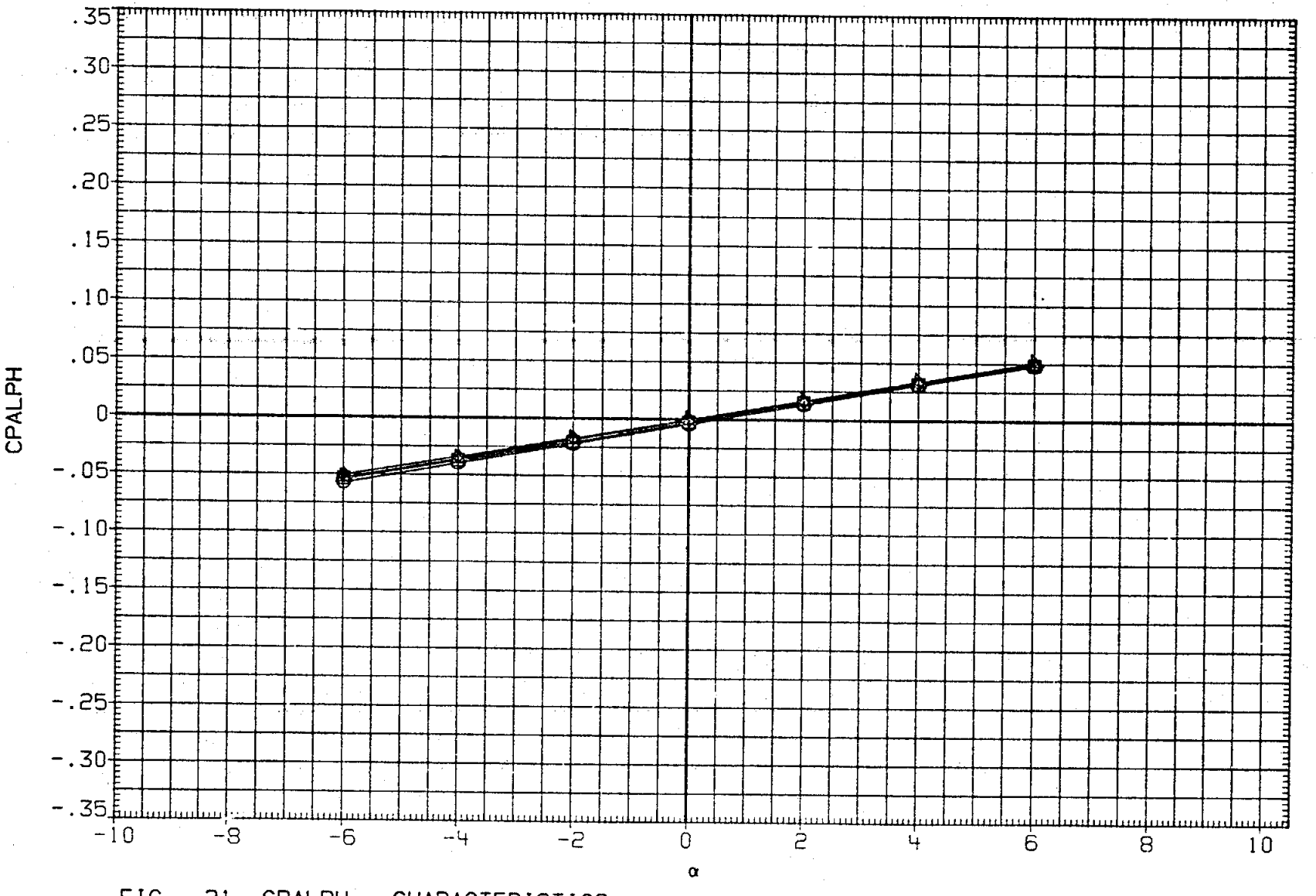

FIG. 21 CPALPH CHARACTERISTICS

(A)MACH = .60

DATA SE	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

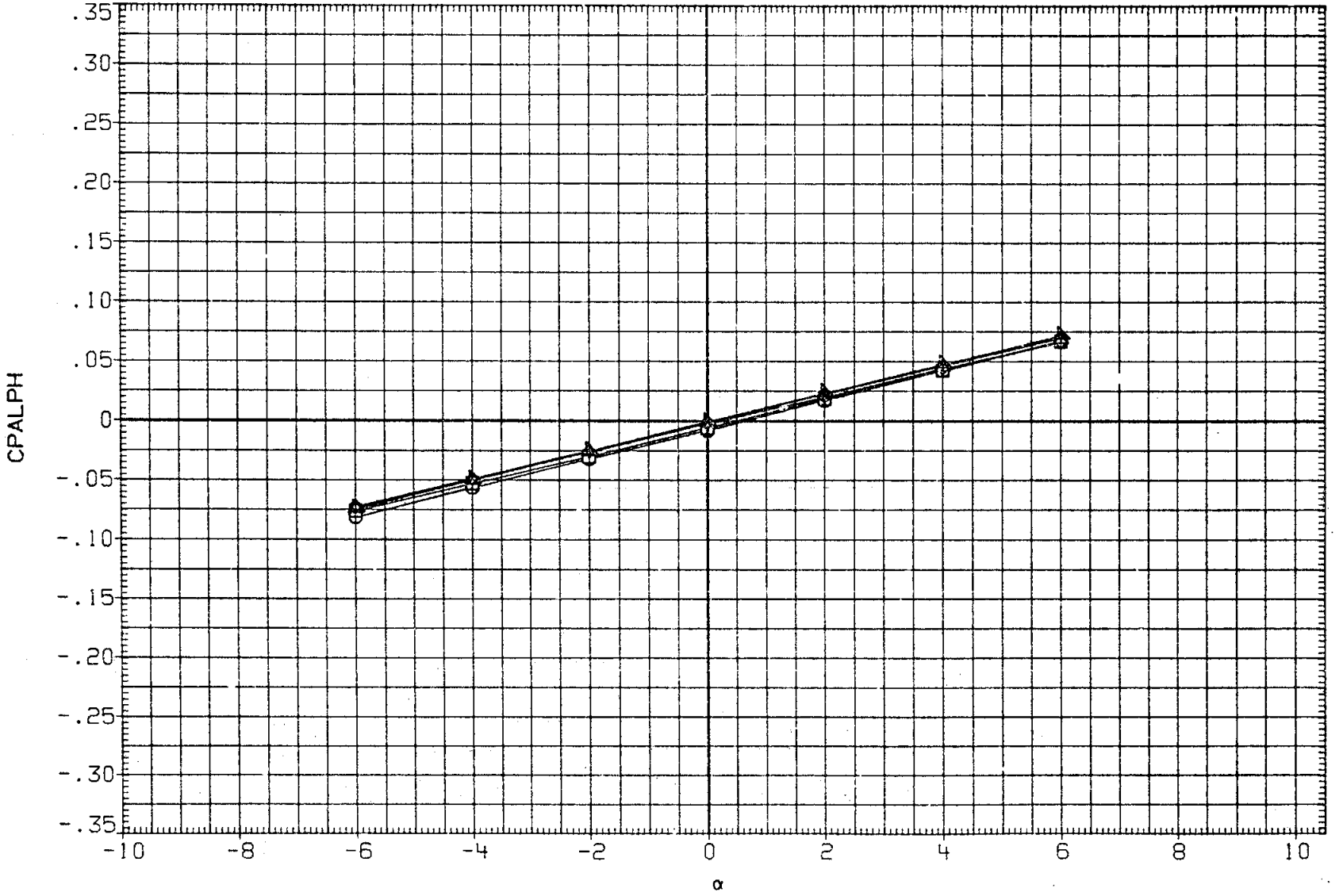

FIG. 21 CPALPH CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

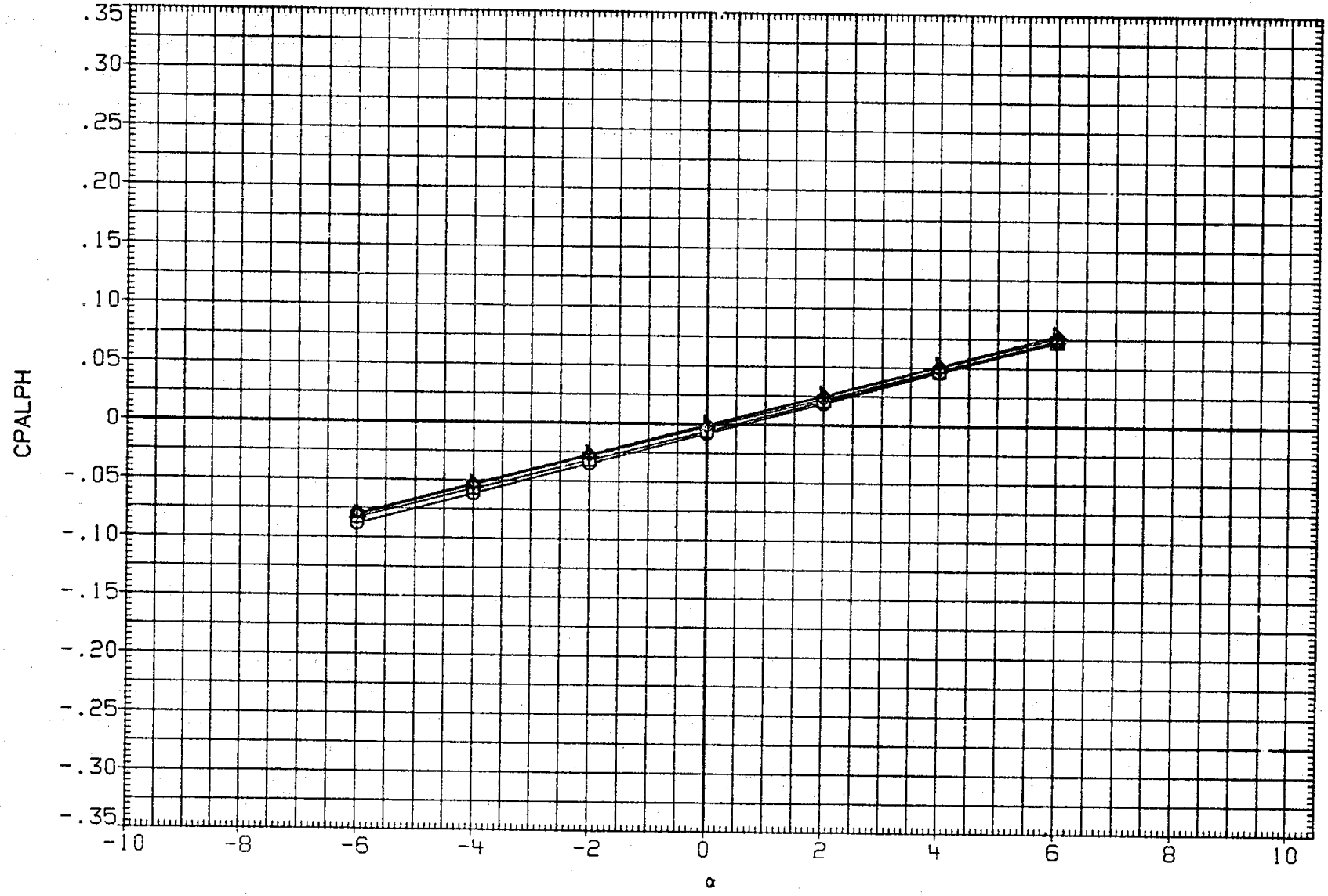

FIG. 21 CPALPH CHARACTERISTICS

(C)MACH = .90

DATA	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

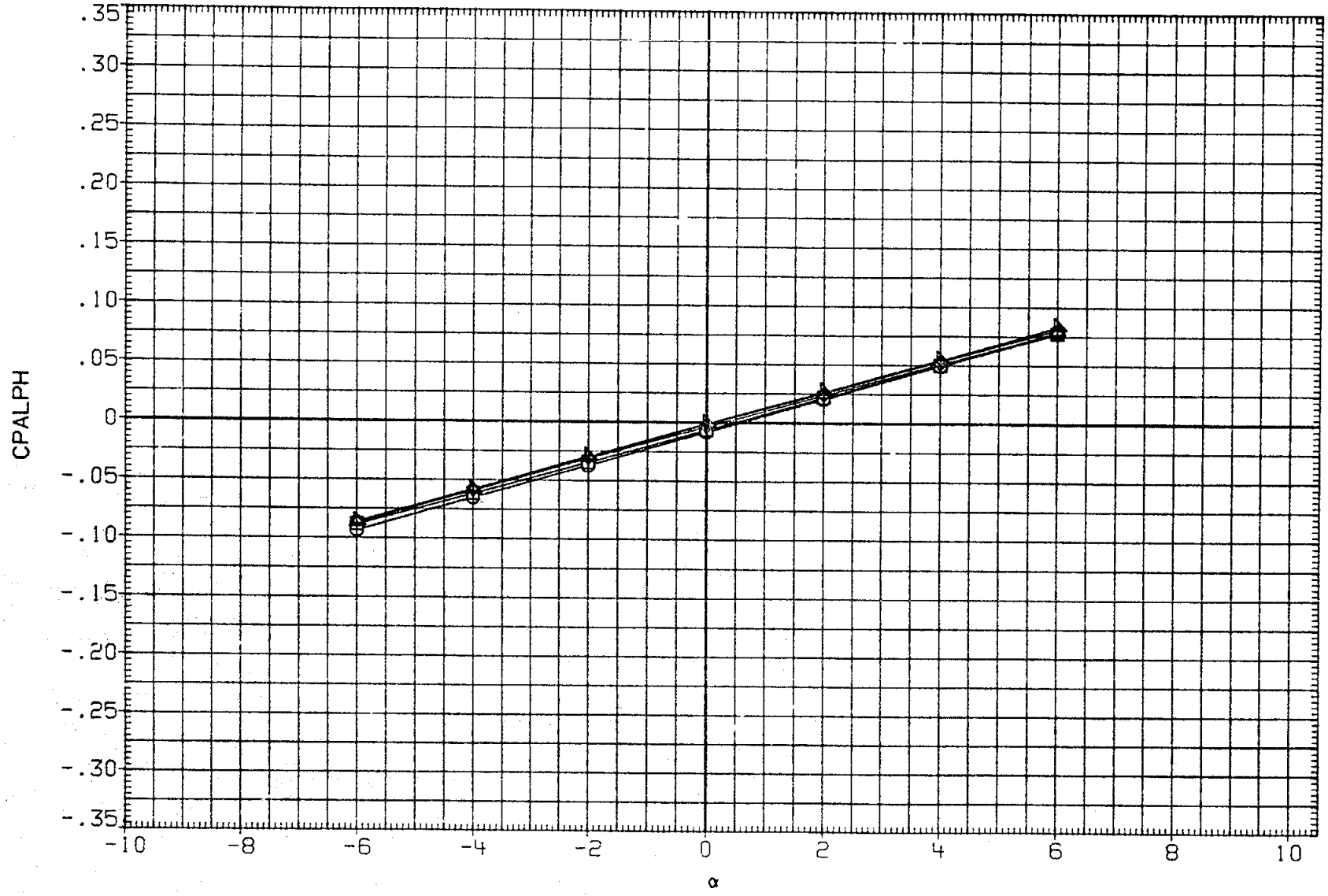

FIG. 21 CPALPH CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

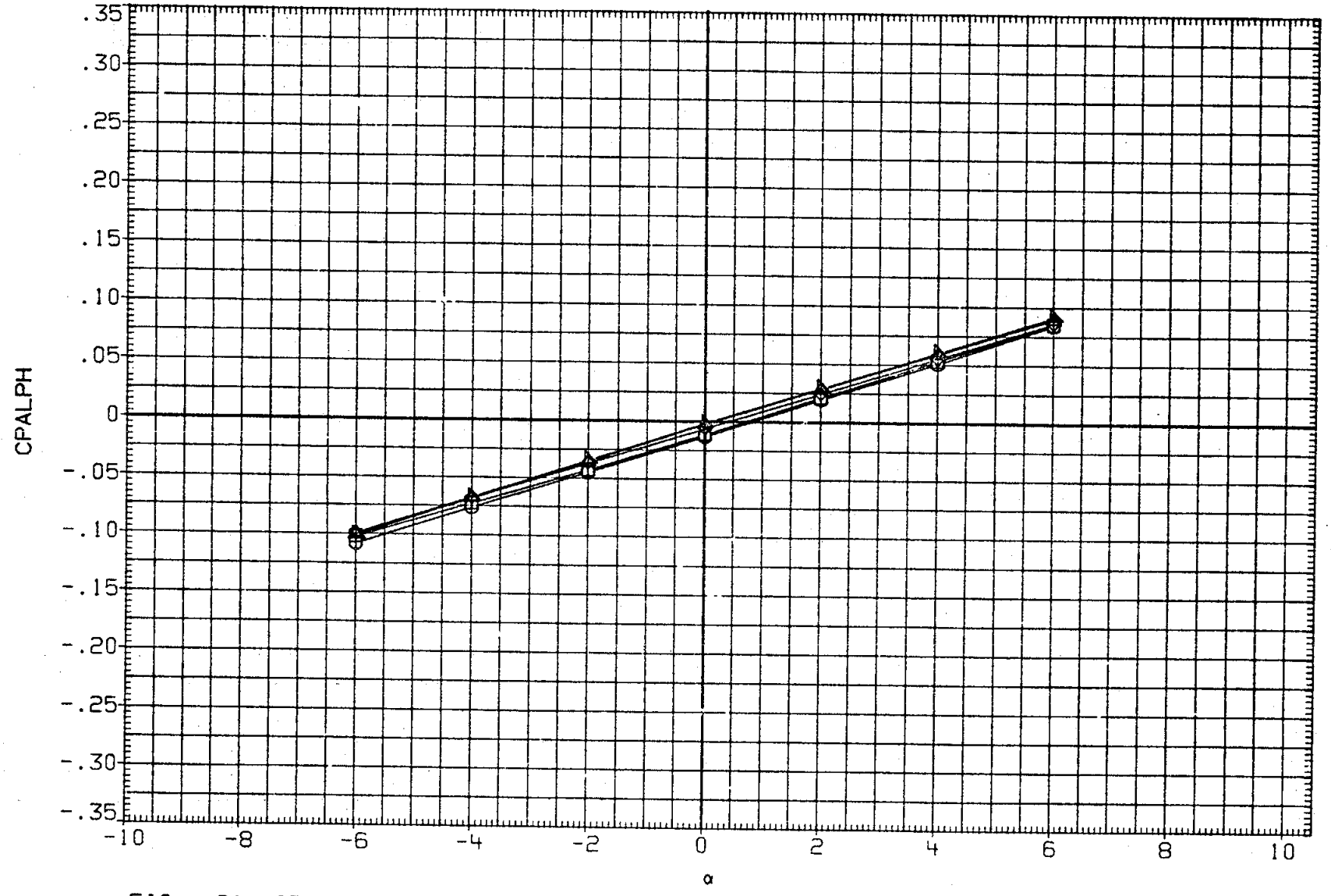

FIG. 21 CPALPH CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

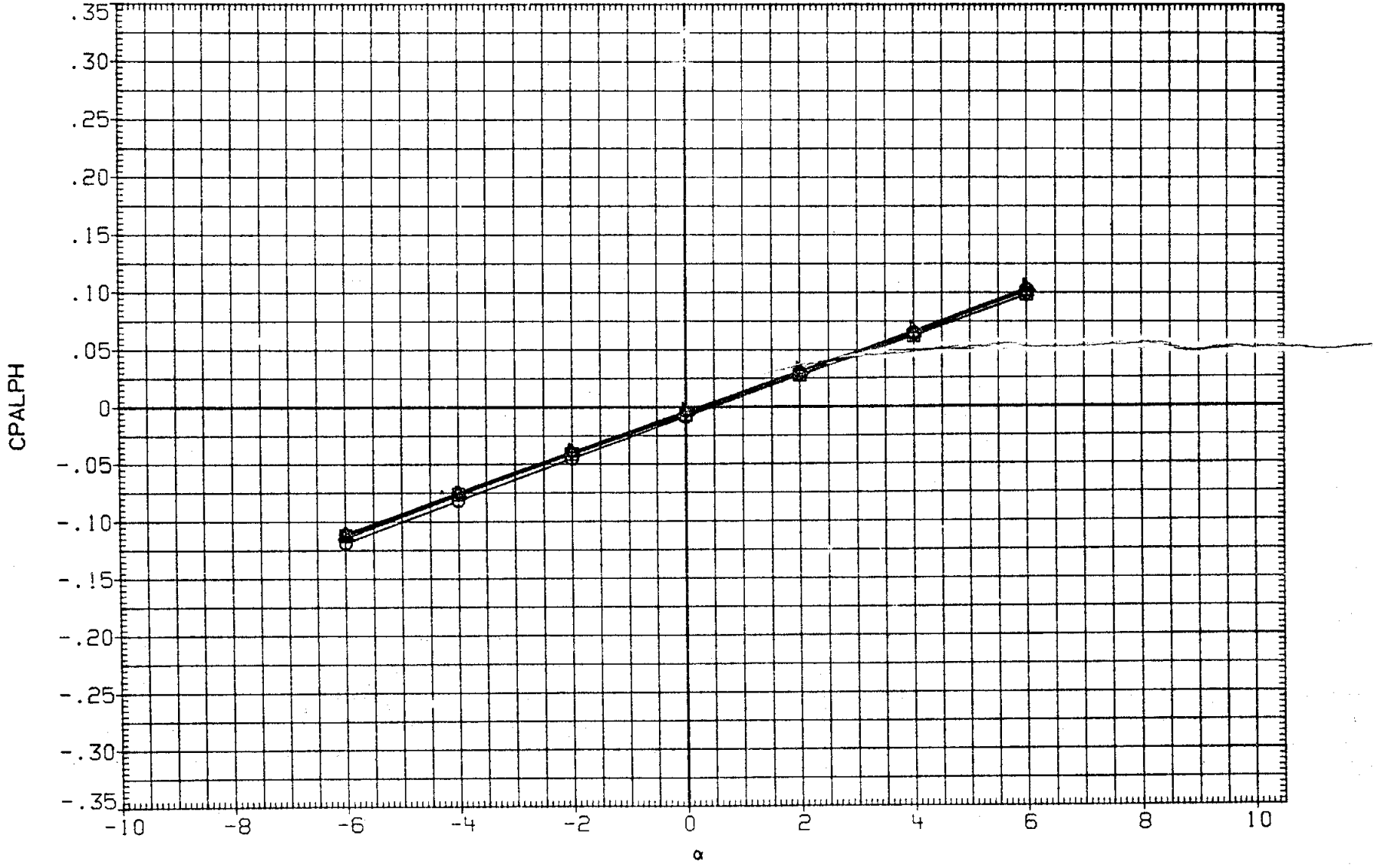

FIG. 21 CPALPH CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

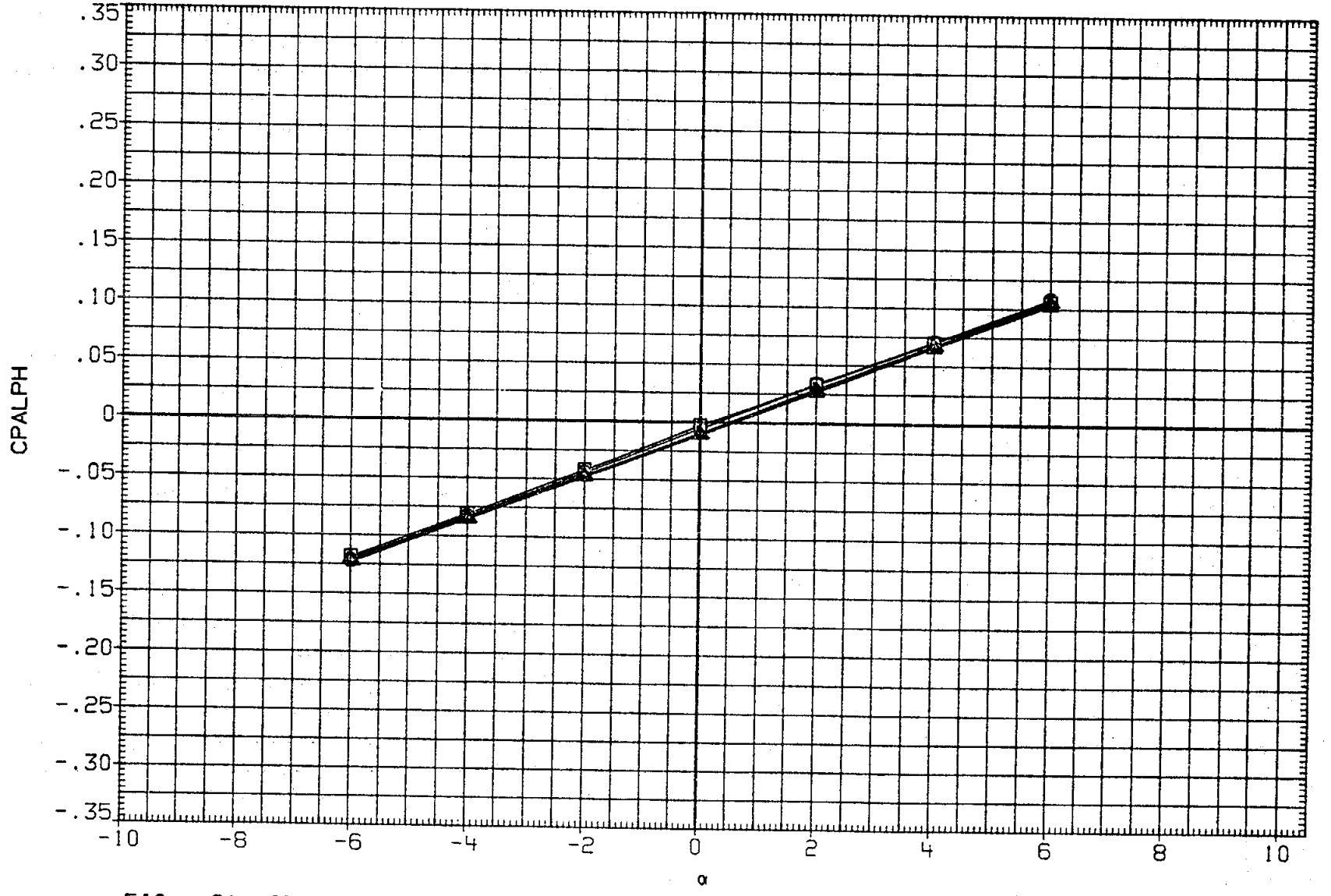

FIG. 21 CPALPH CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

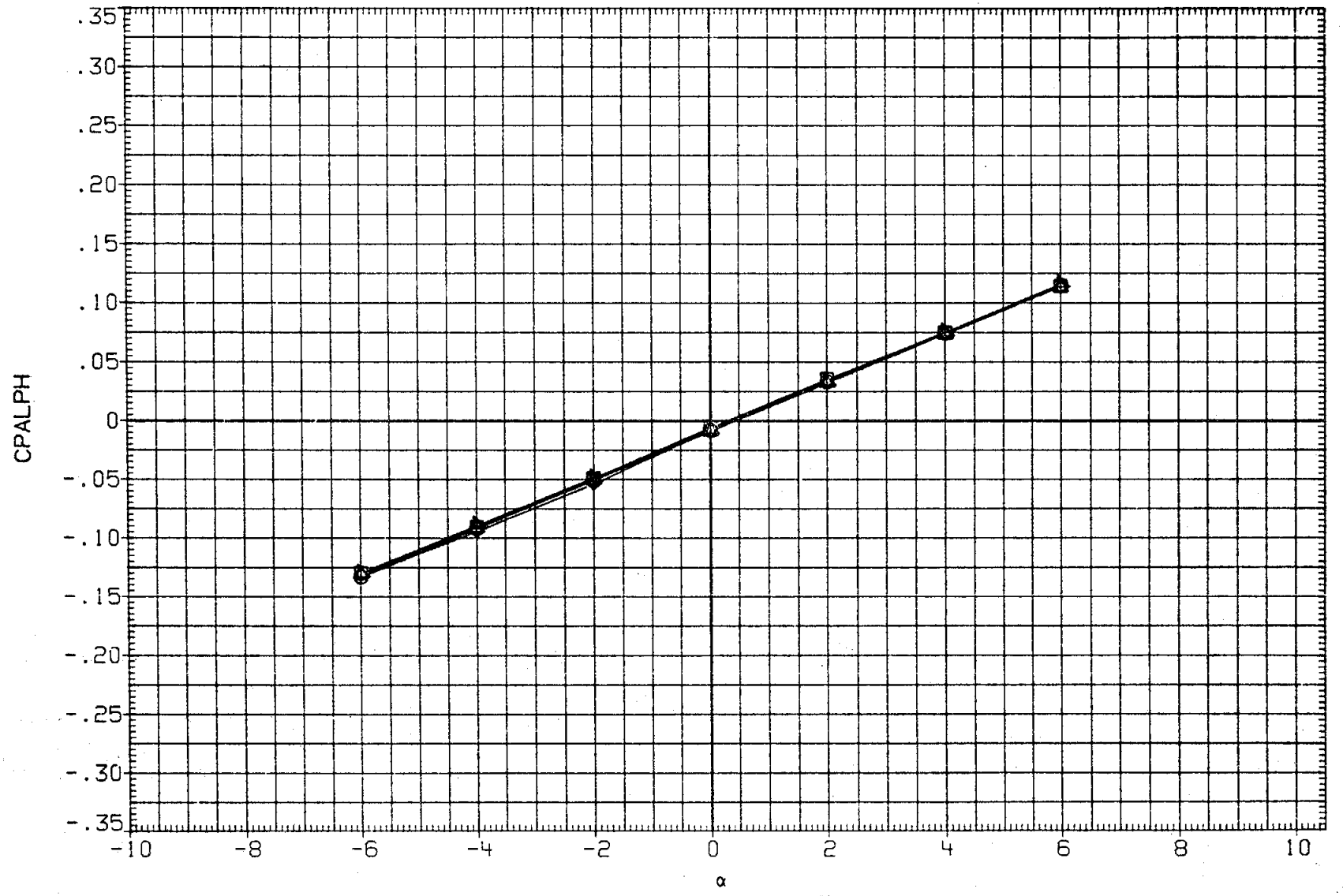

FIG. 21 CPALPH CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

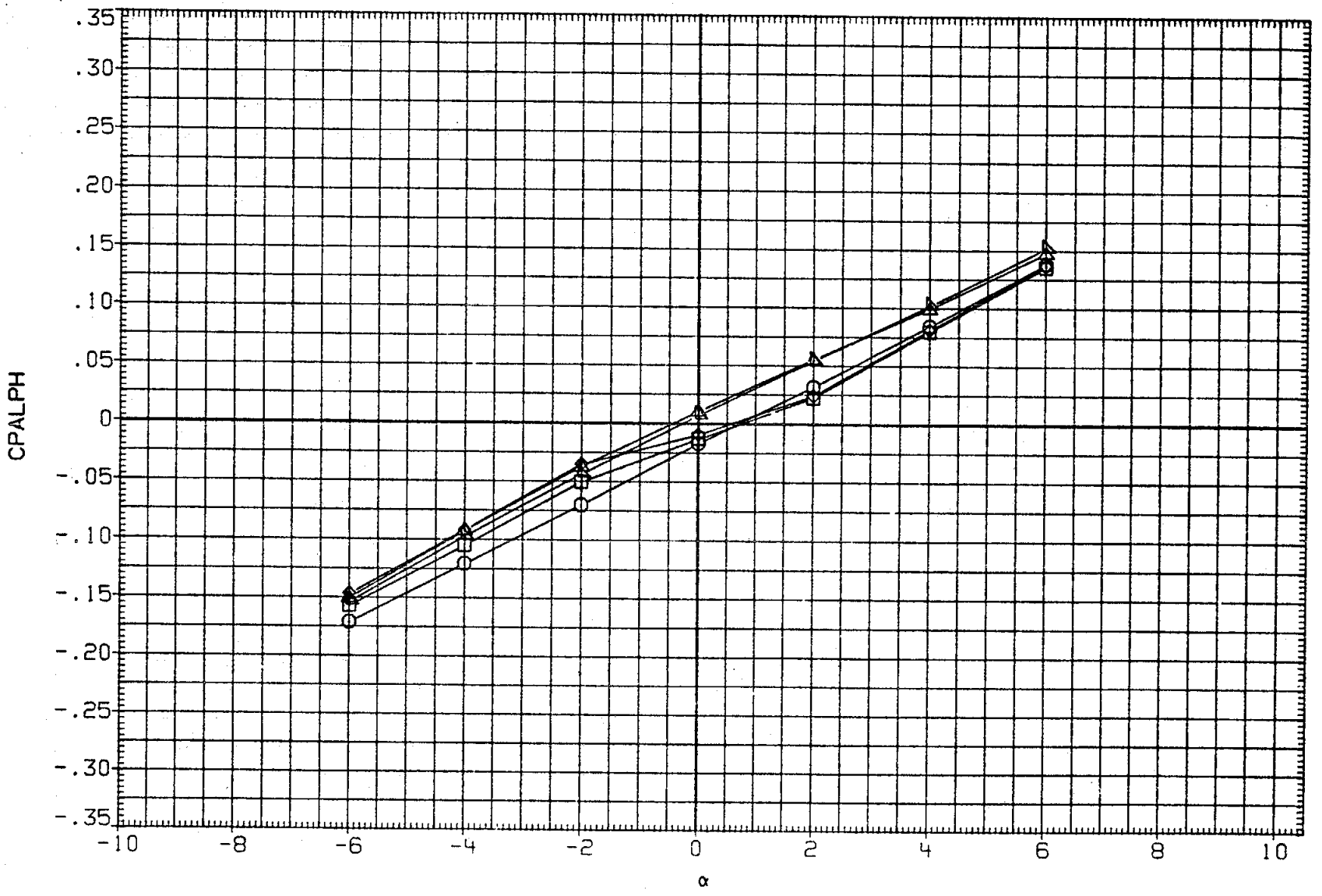

FIG. 21 CPALPH CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA[illegible](AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA[illegible](AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

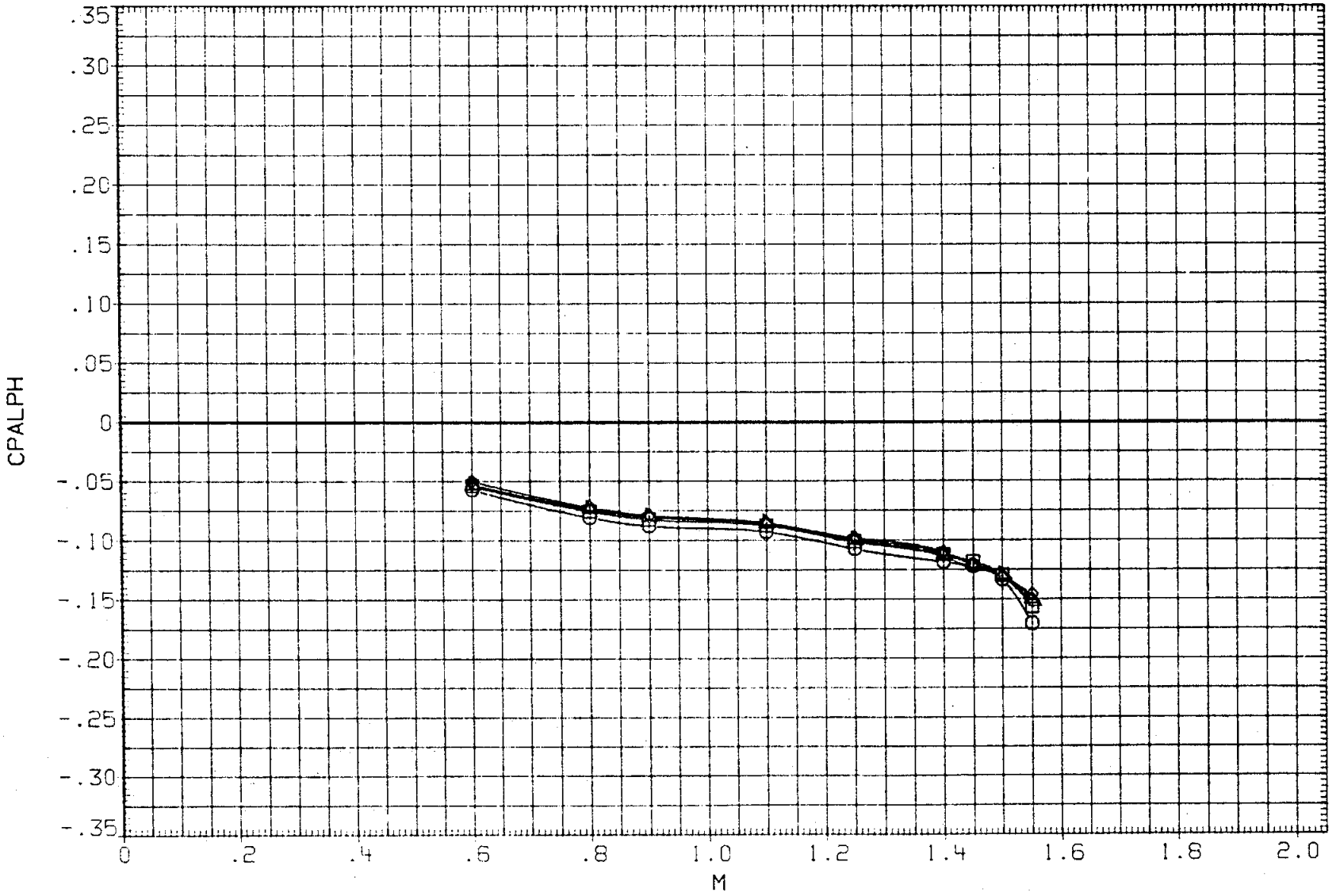

FIG. 21 CPALPH CHARACTERISTICS

(A) ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

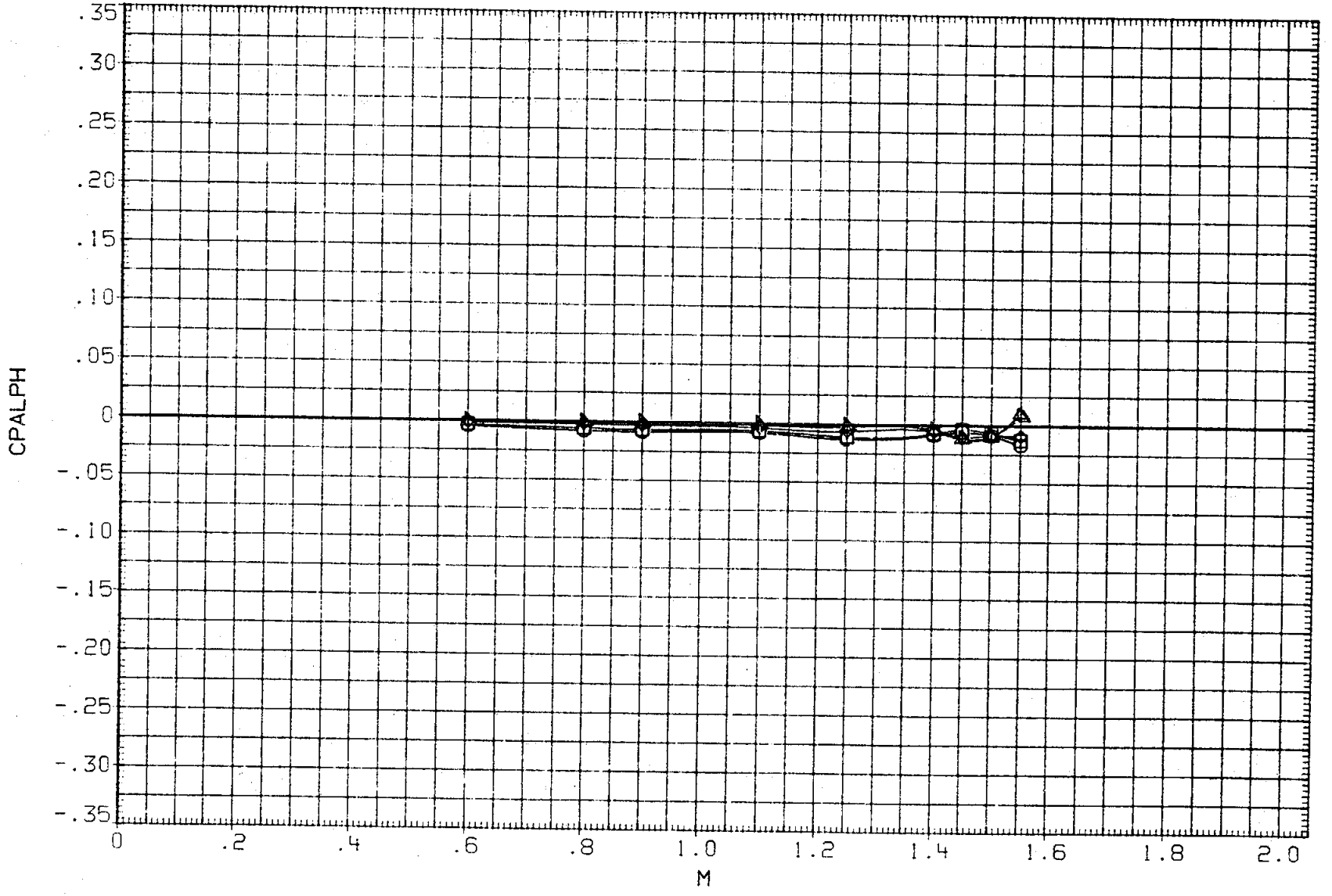

FIG. 21 CPALPH CHARACTERISTICS

(B) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

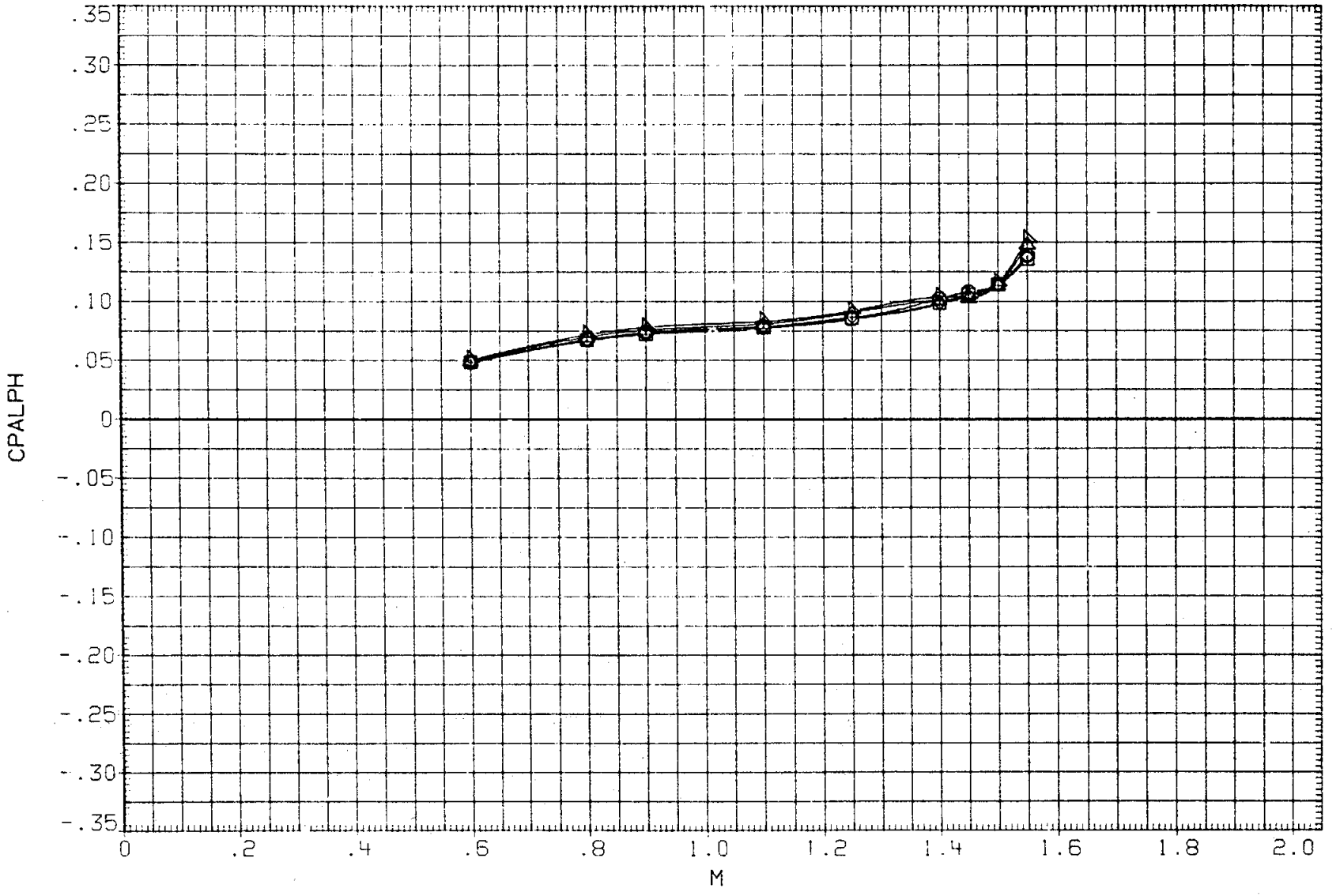

FIG. 21 CPALPH CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

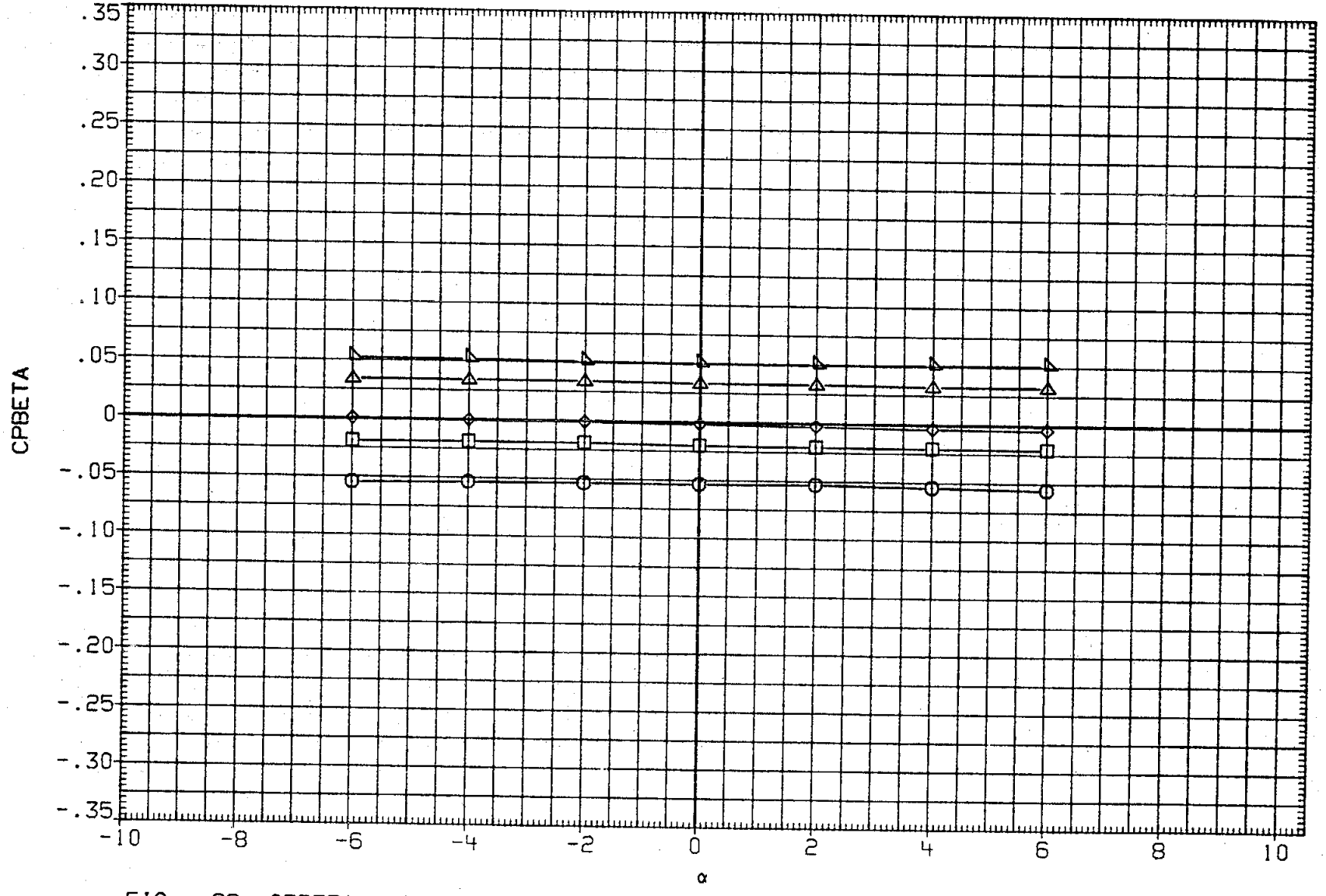

FIG. 22 CPBETA CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG. LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG. LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG. LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG. LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG. LOUVR OPEN	6.000

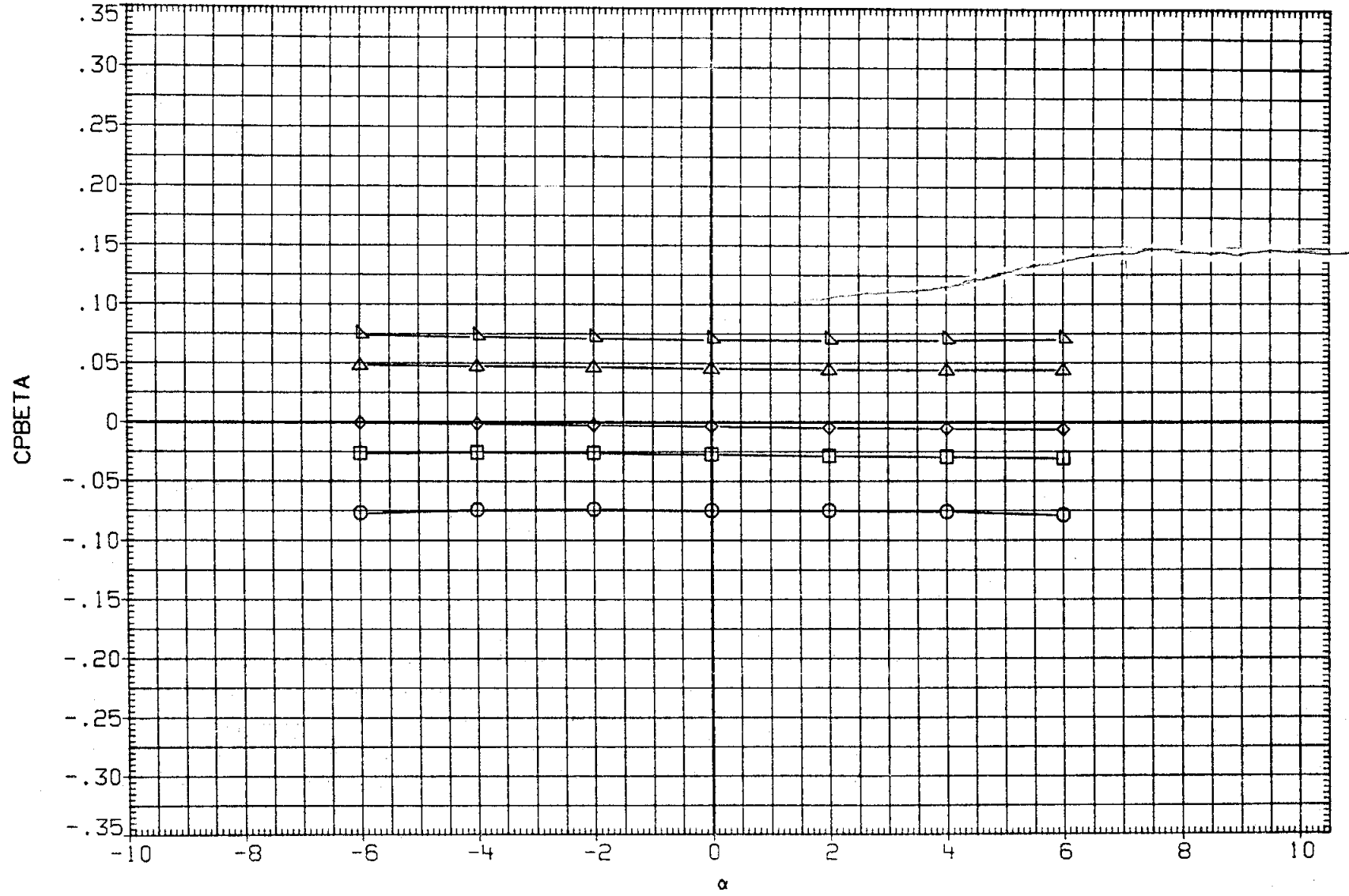

FIG. 22 CPBETA CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

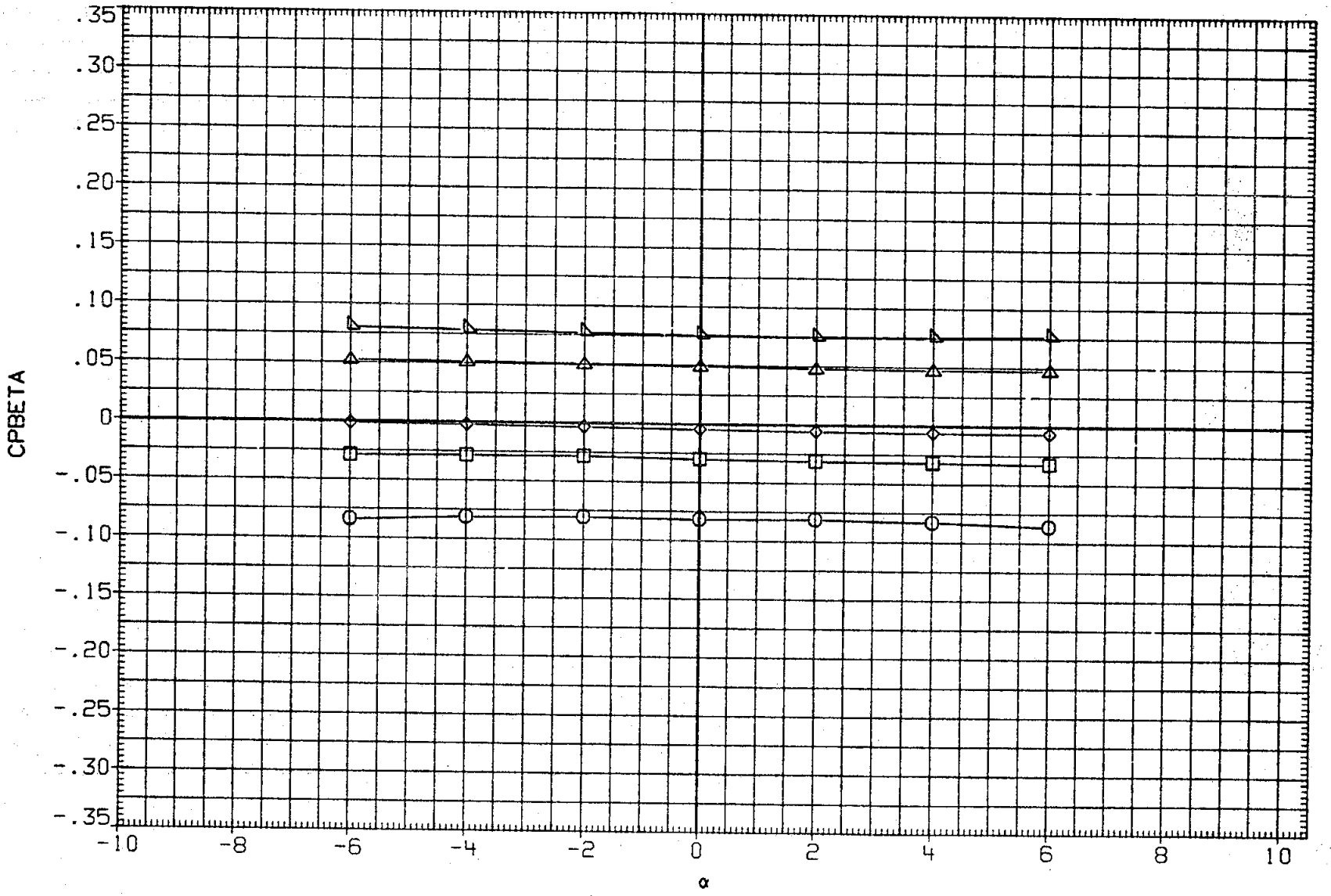

FIG. 22 CPBETA CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

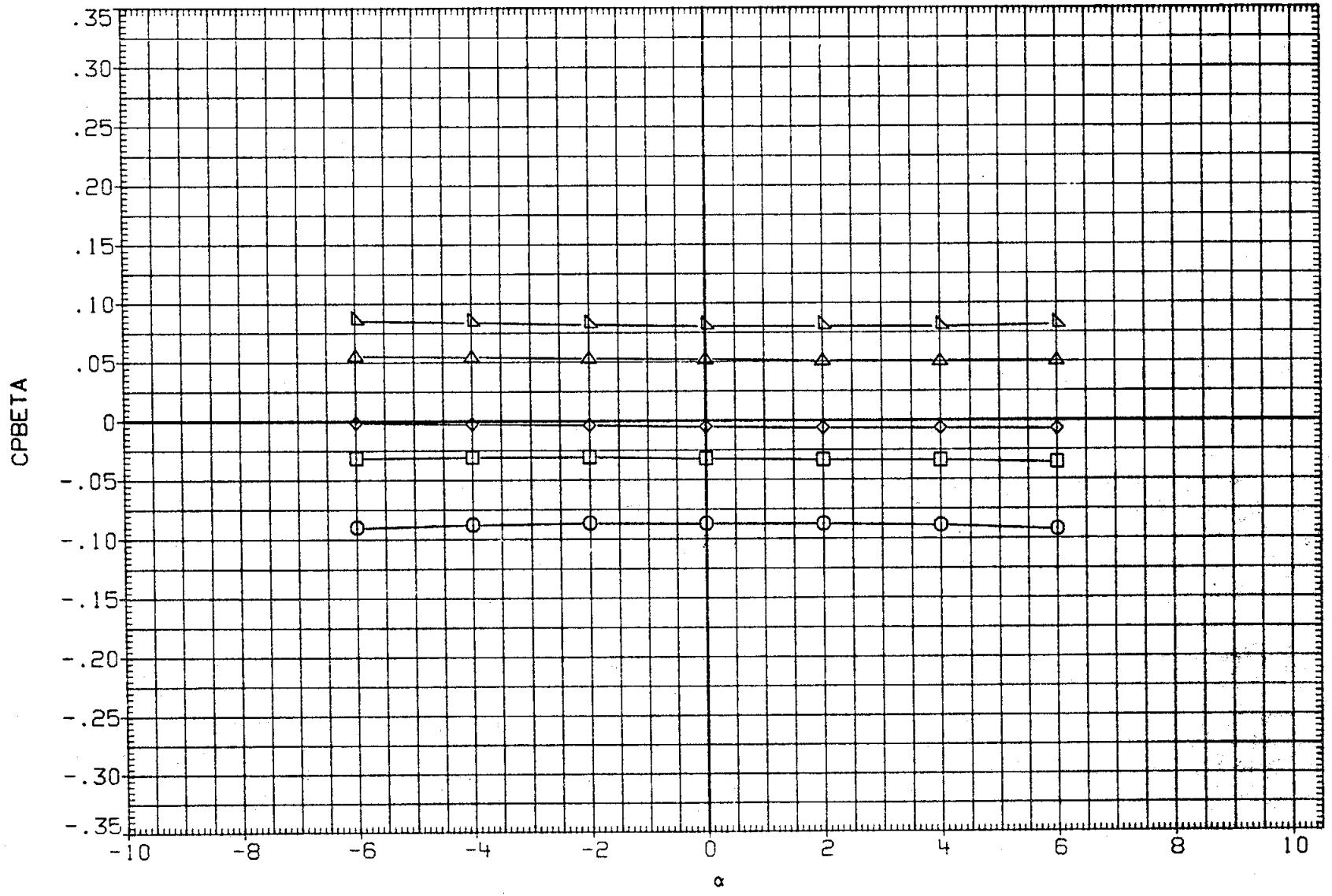

FIG. 22 CPBETA CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

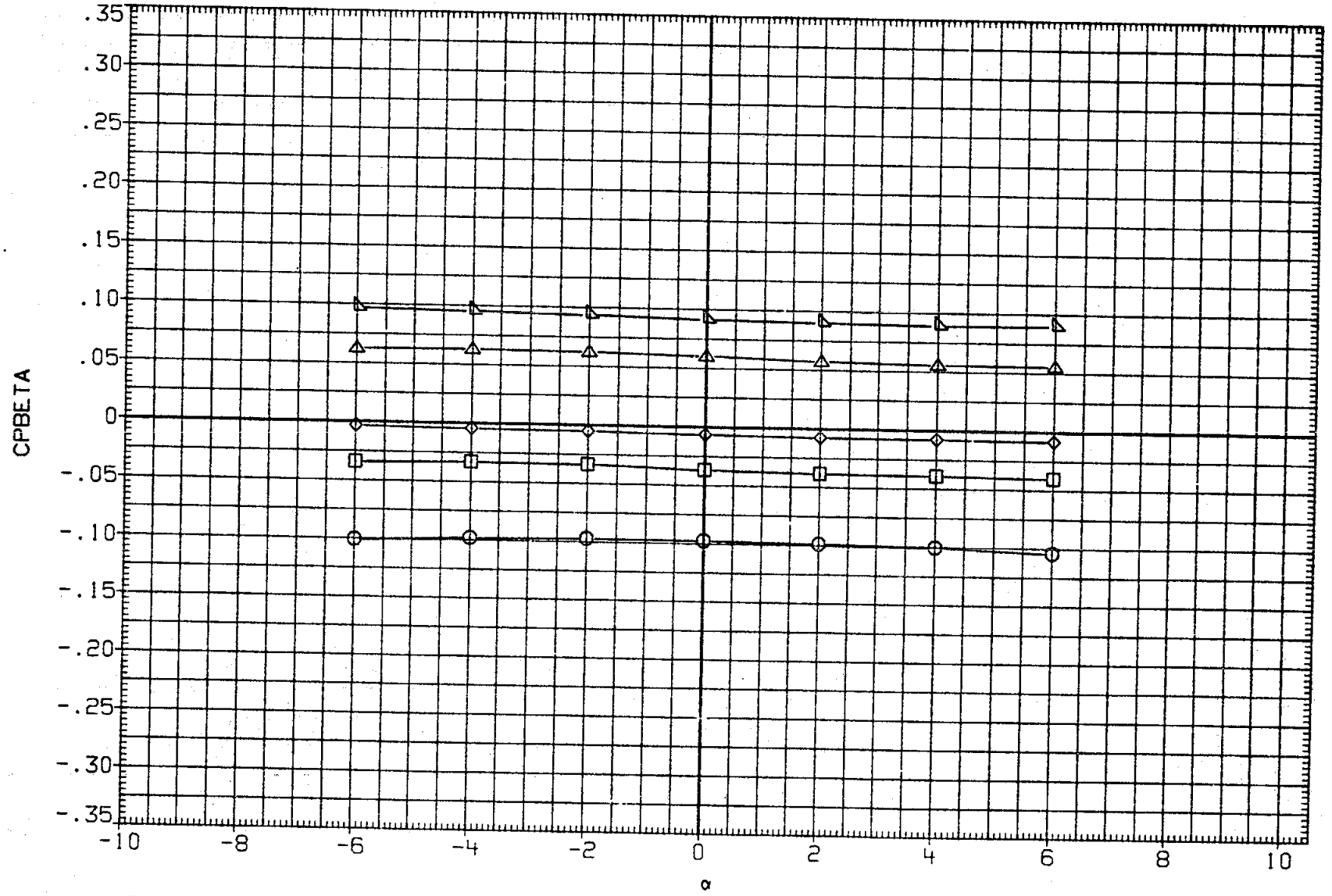

FIG. 22 CPBETA CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

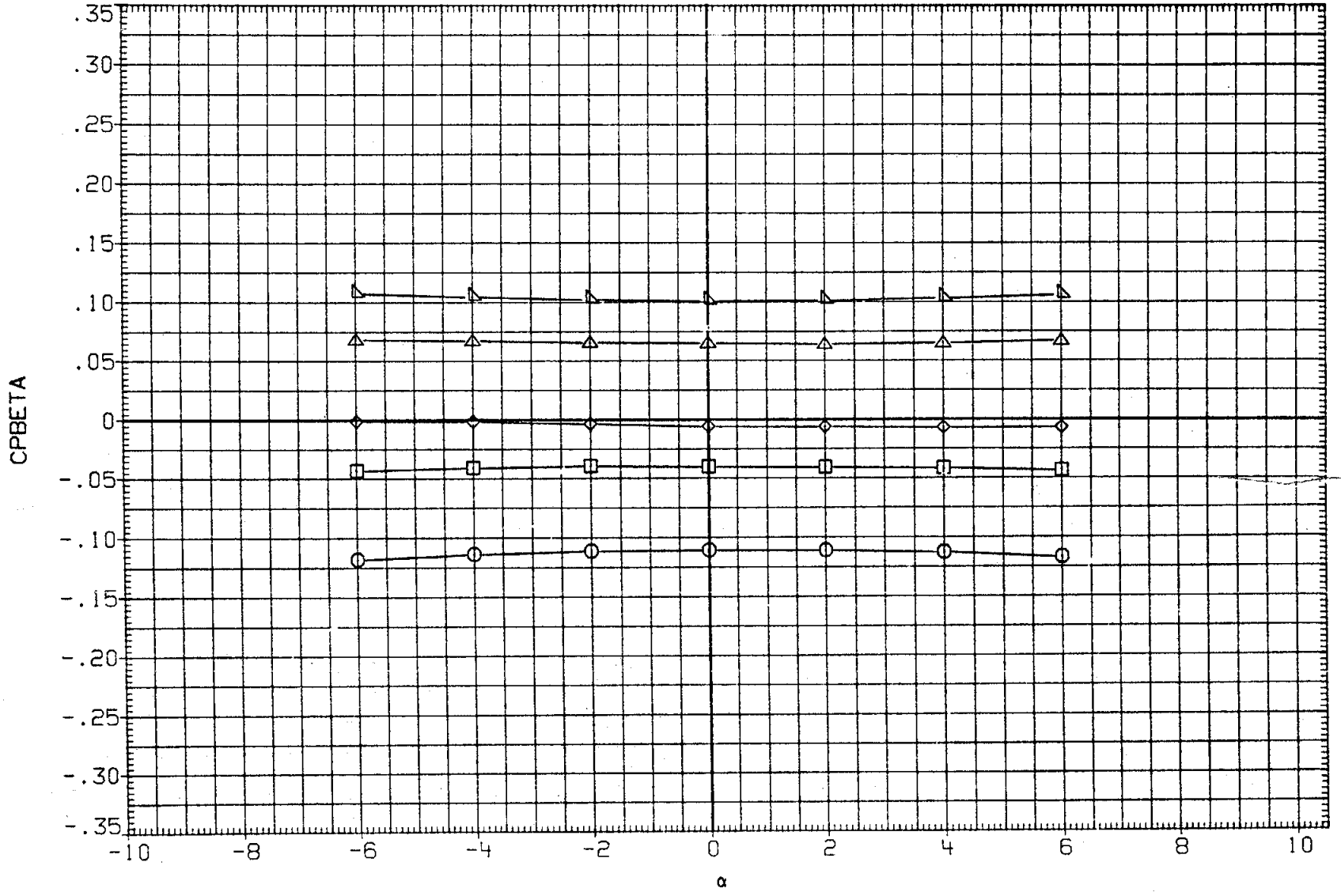

FIG. 22 CPBETA CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

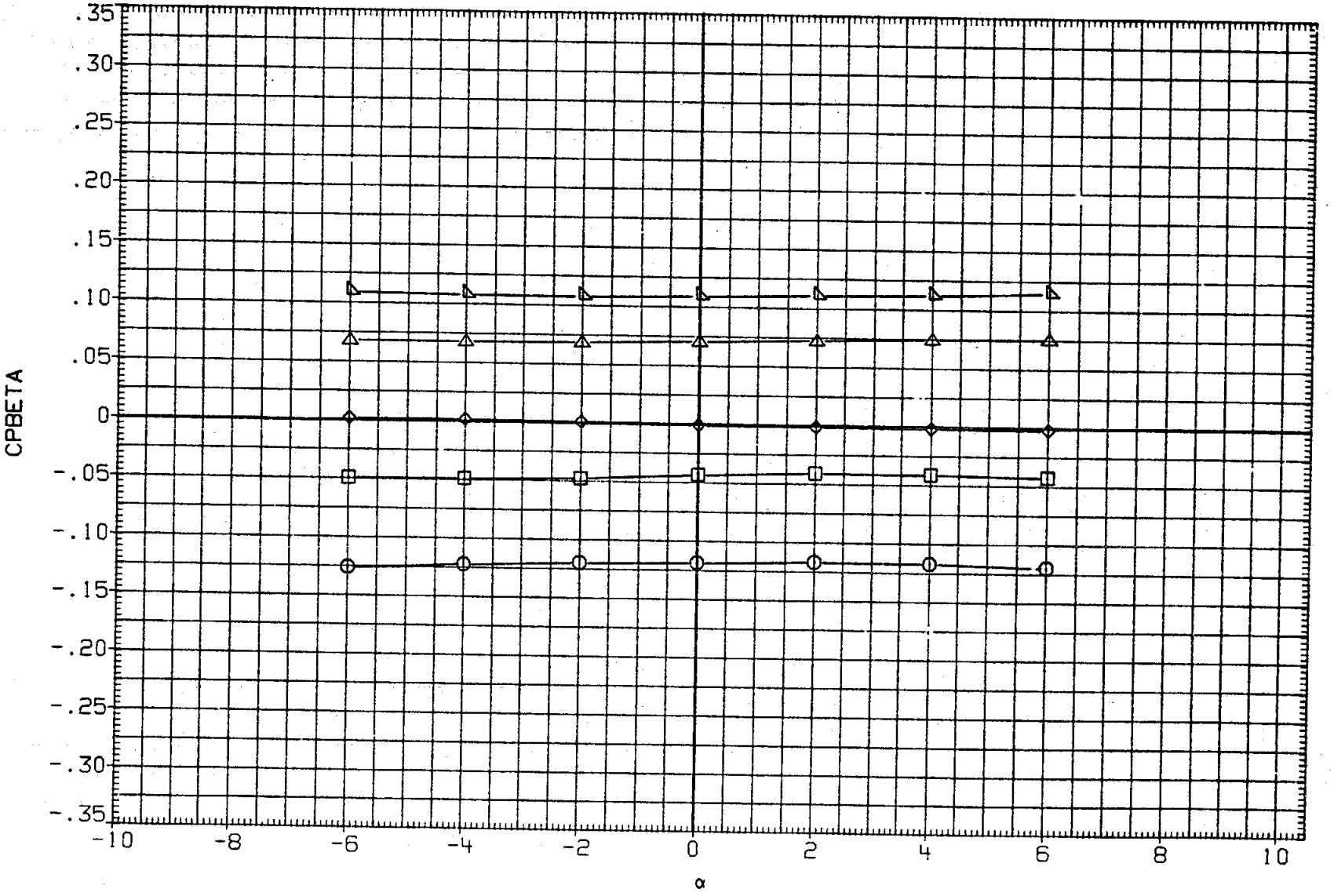

FIG. 22 CPBETA CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

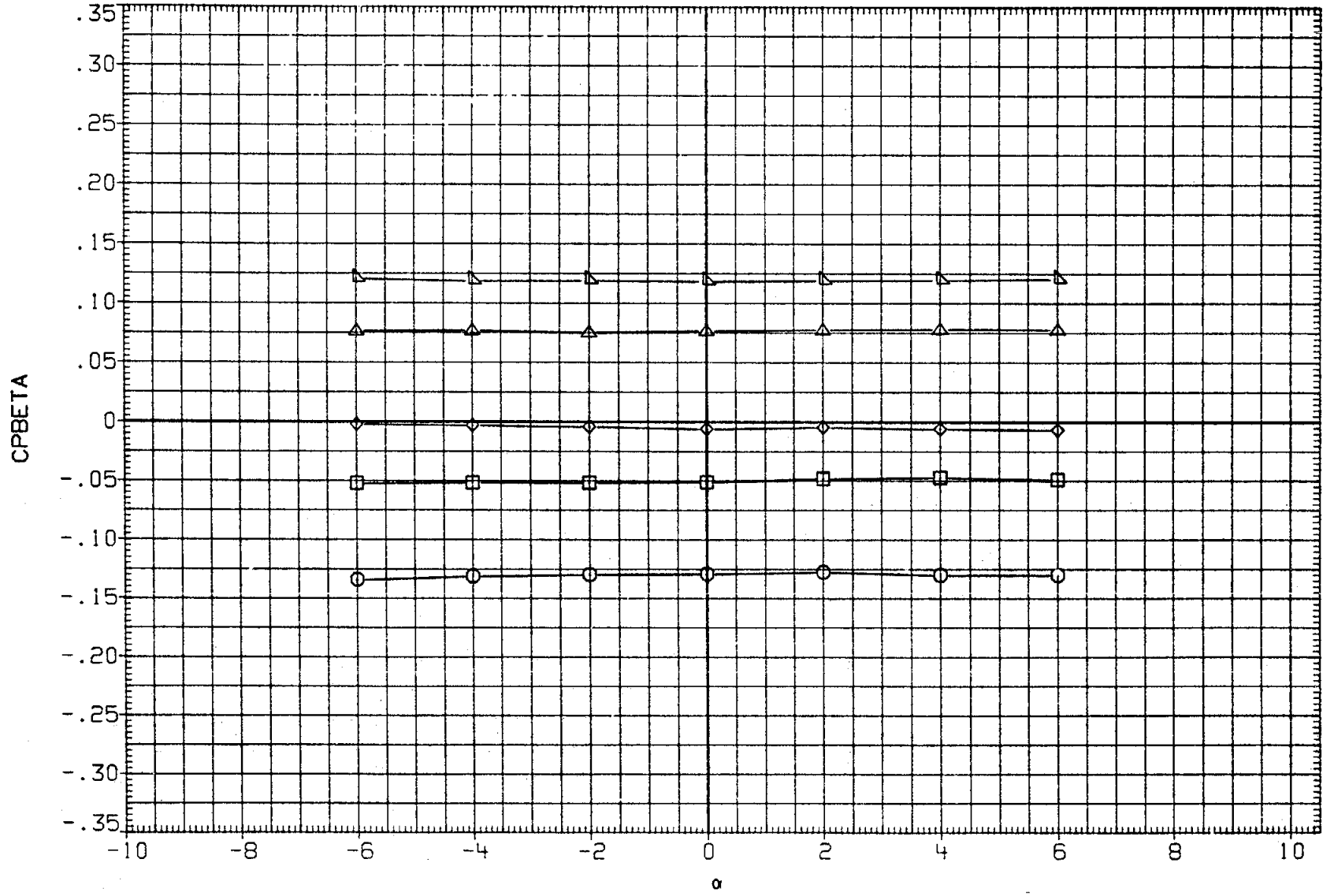

FIG. 22 CPBETA CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

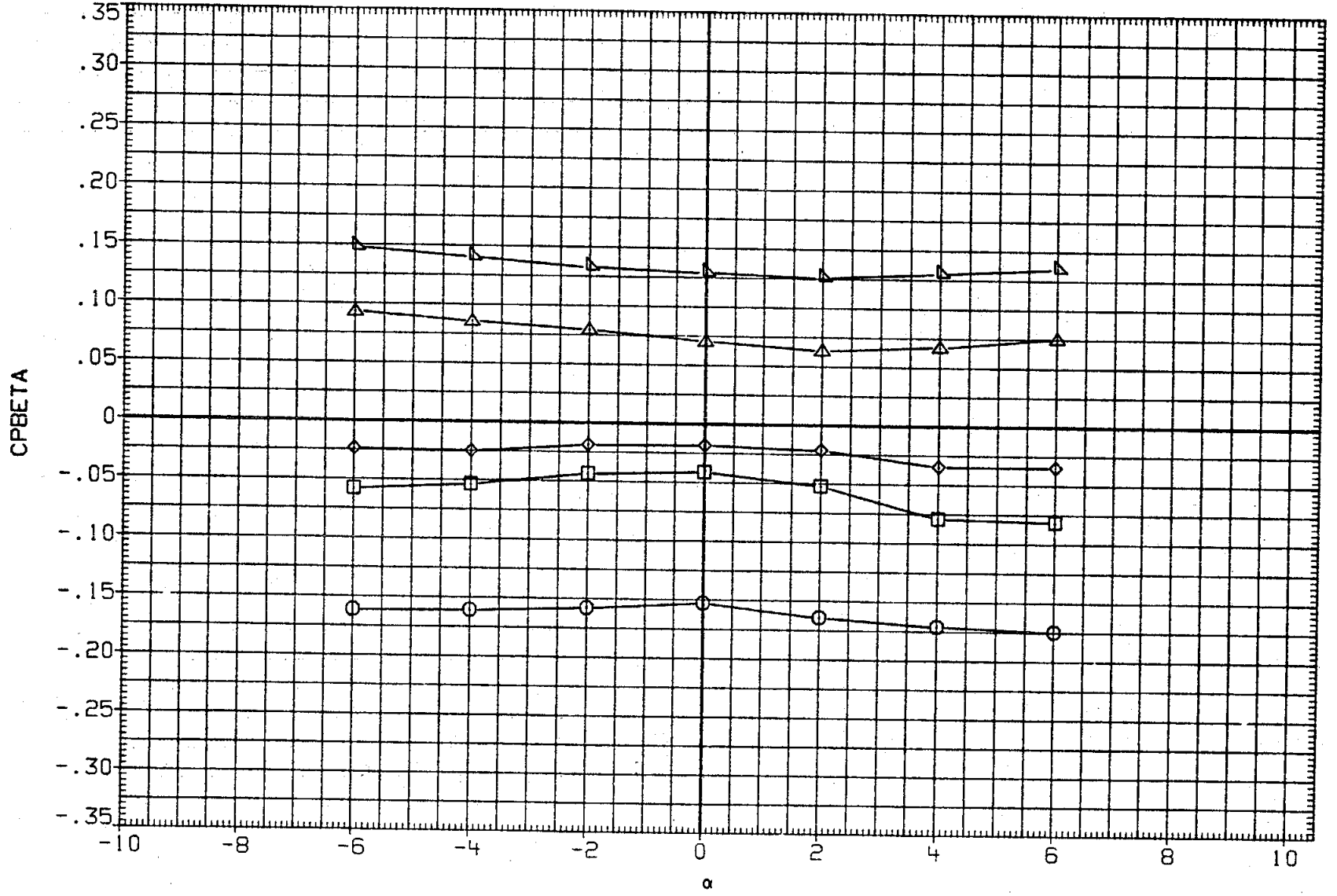

FIG. 22 CPBETA CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-5.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

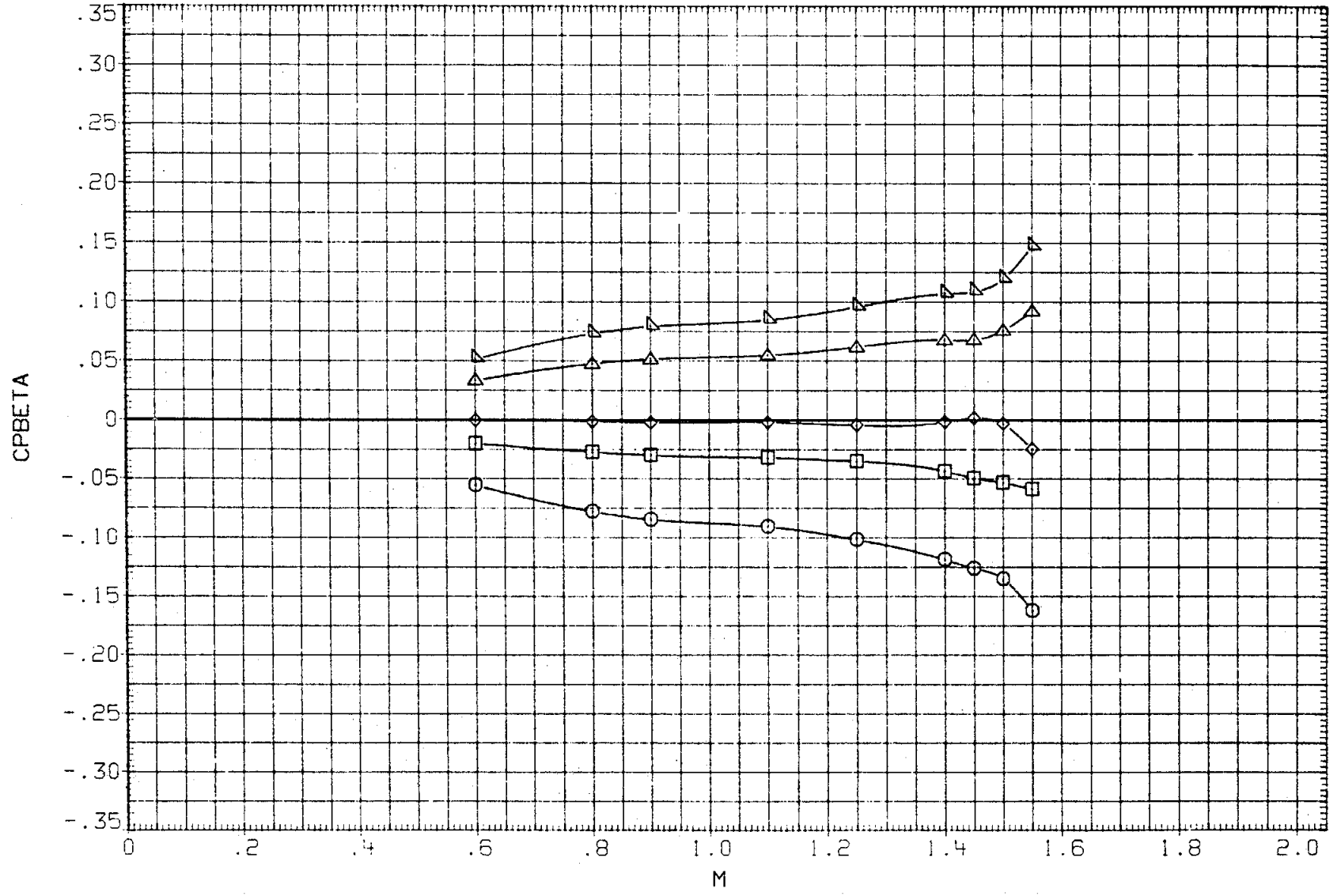

FIG. 22 CPBETA CHARACTERISTICS

(A)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

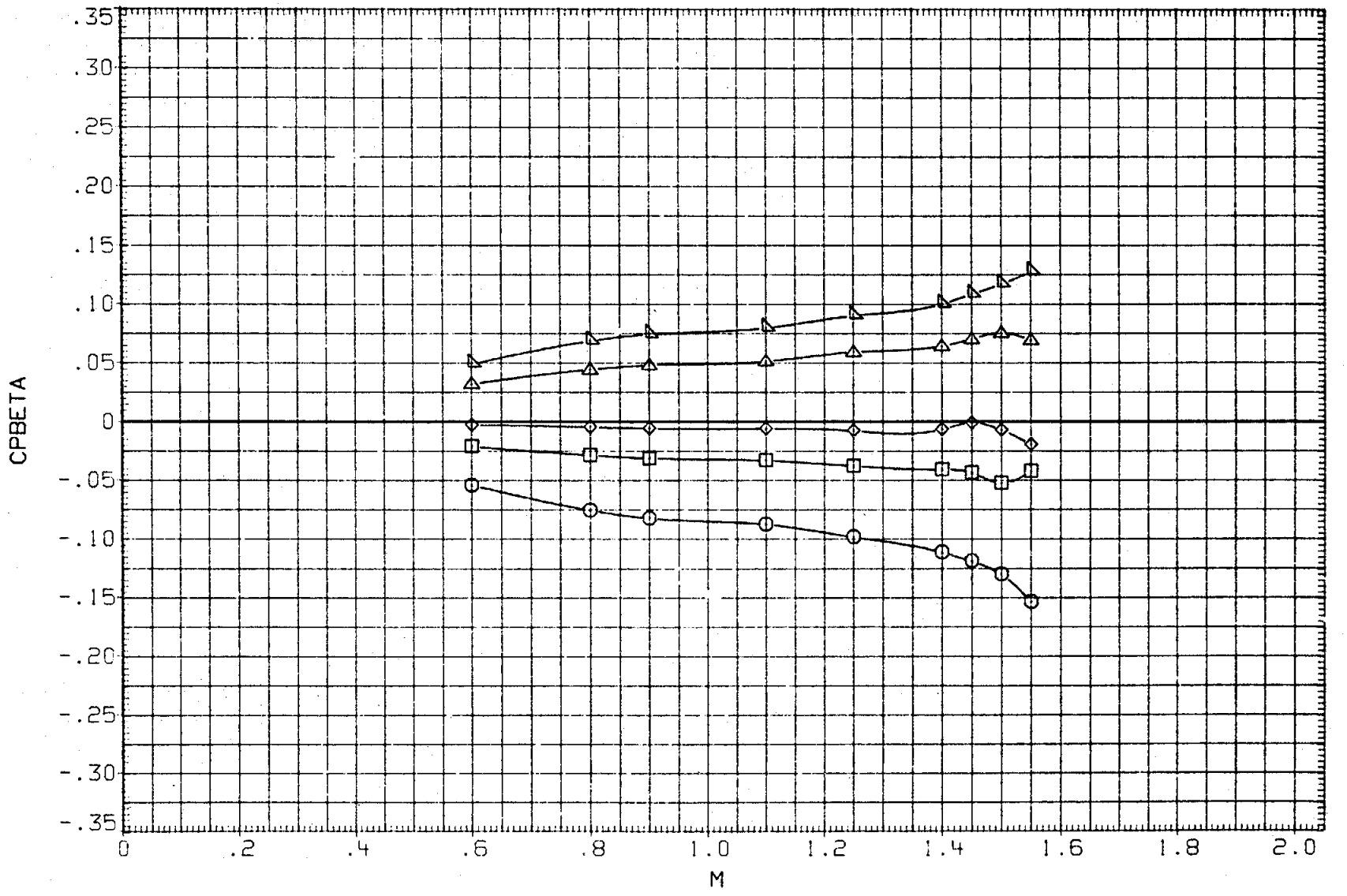

FIG. 22 CPBETA CHARACTERISTICS

(B)ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

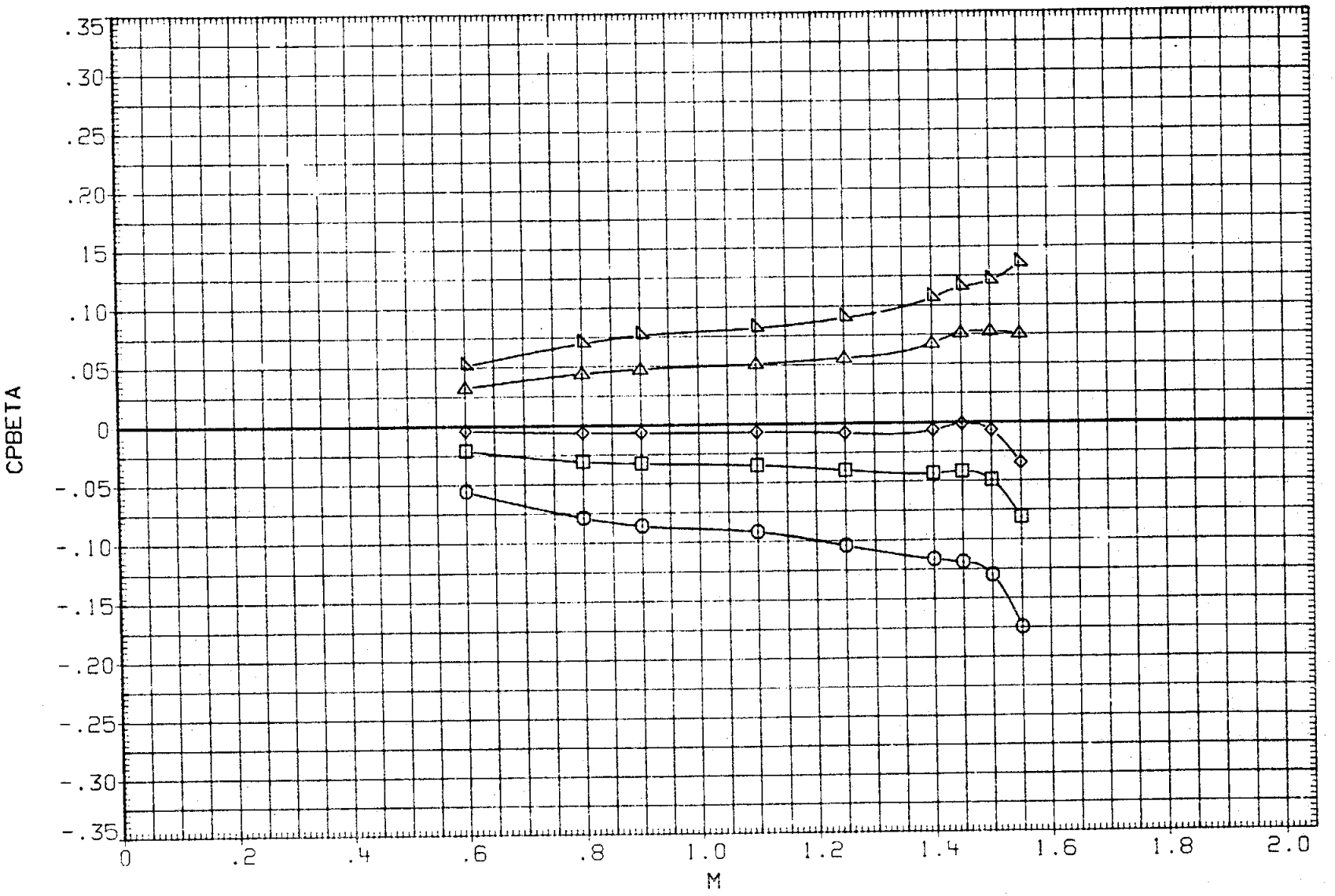

FIG. 22 CPBETA CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

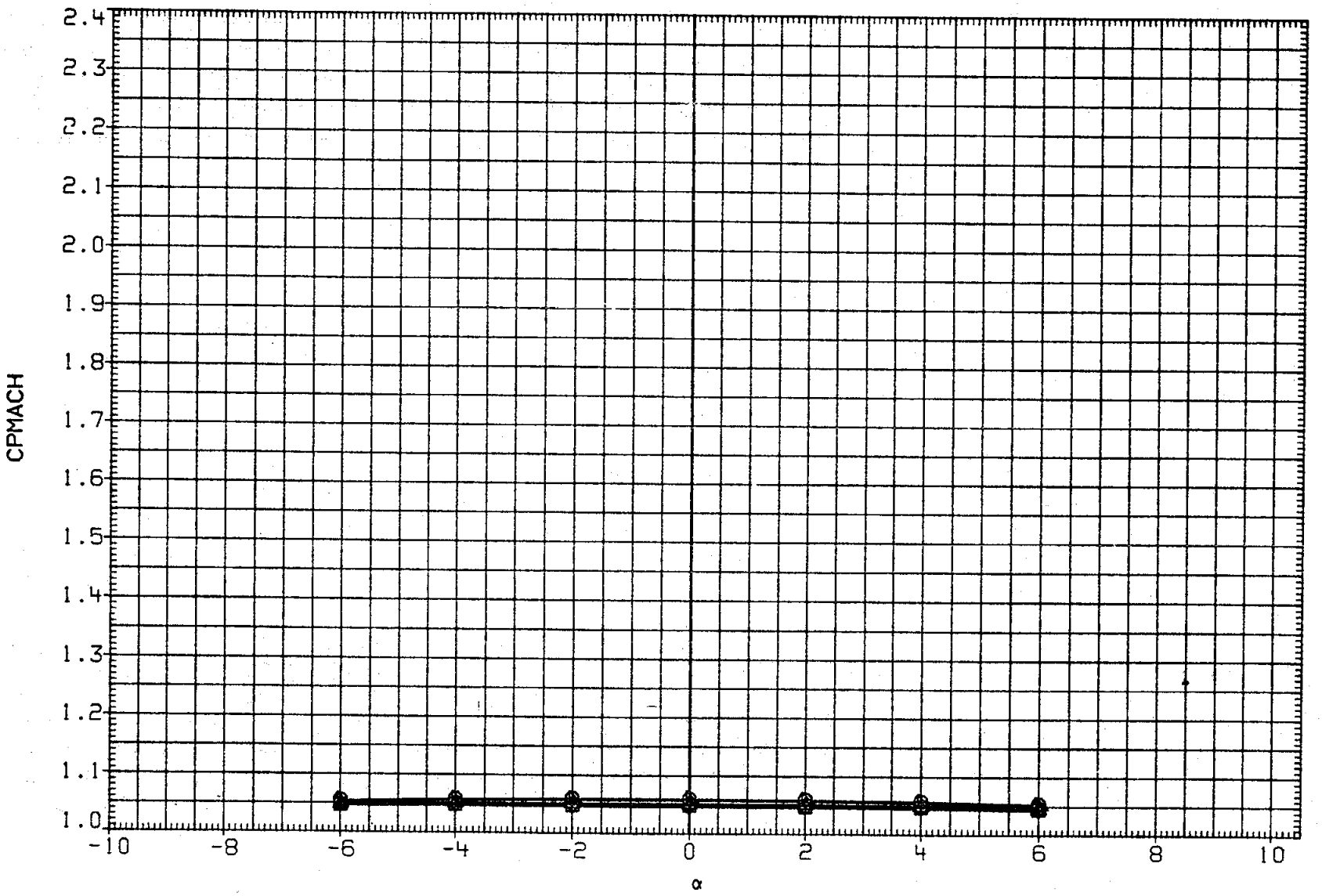

FIG. 23 CPMACH CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

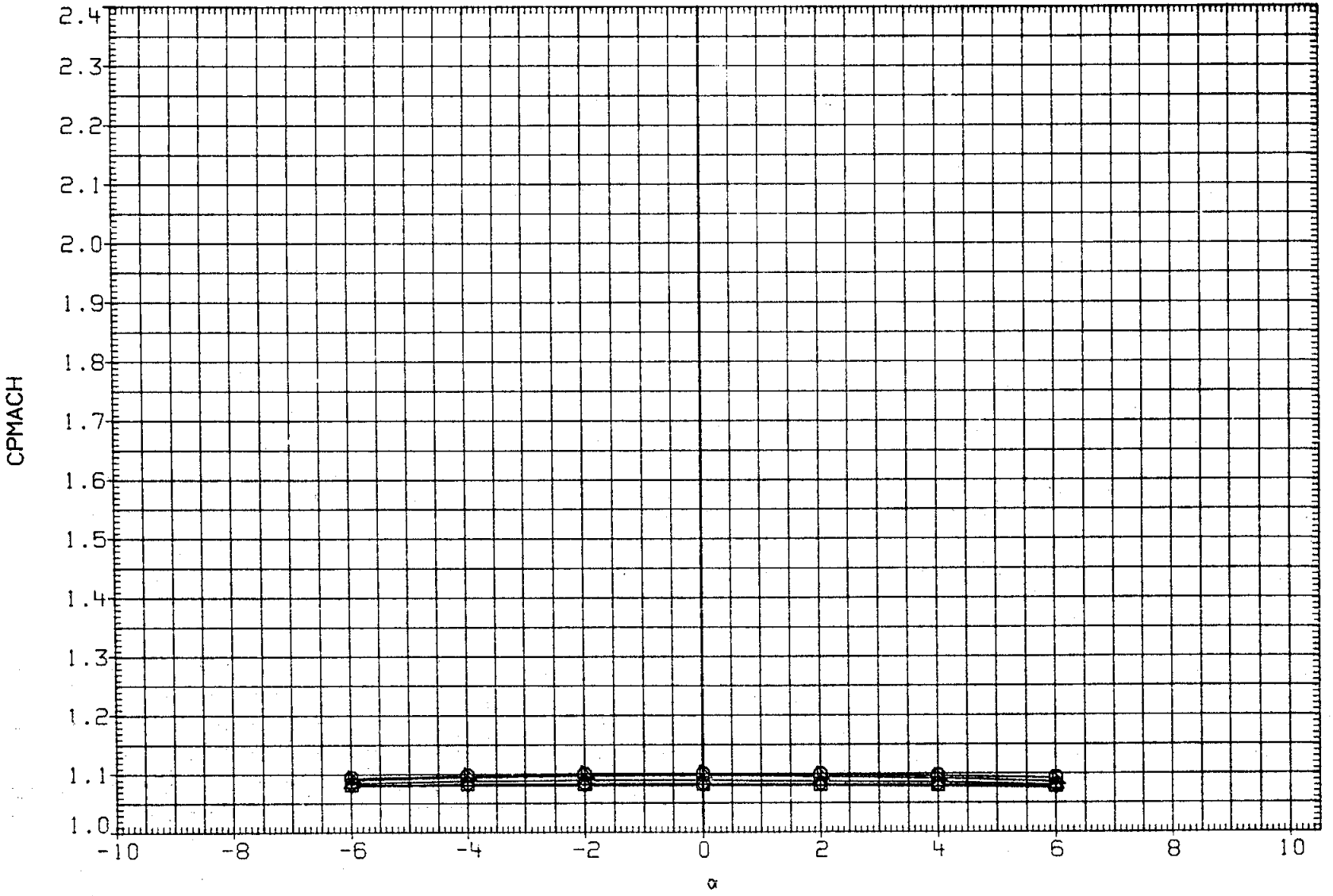

FIG. 23 CPMACH CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

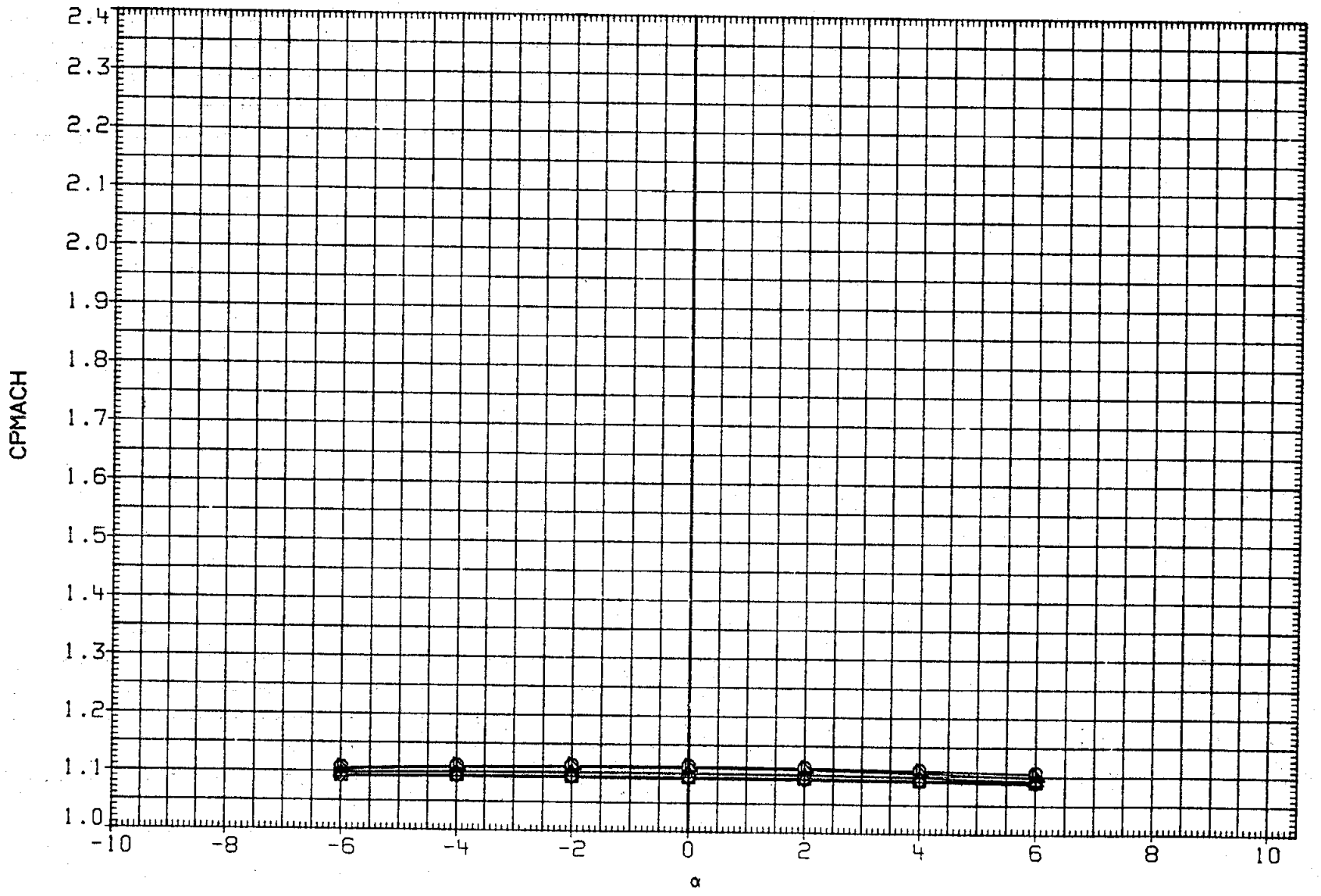

FIG. 23 CPMACH CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

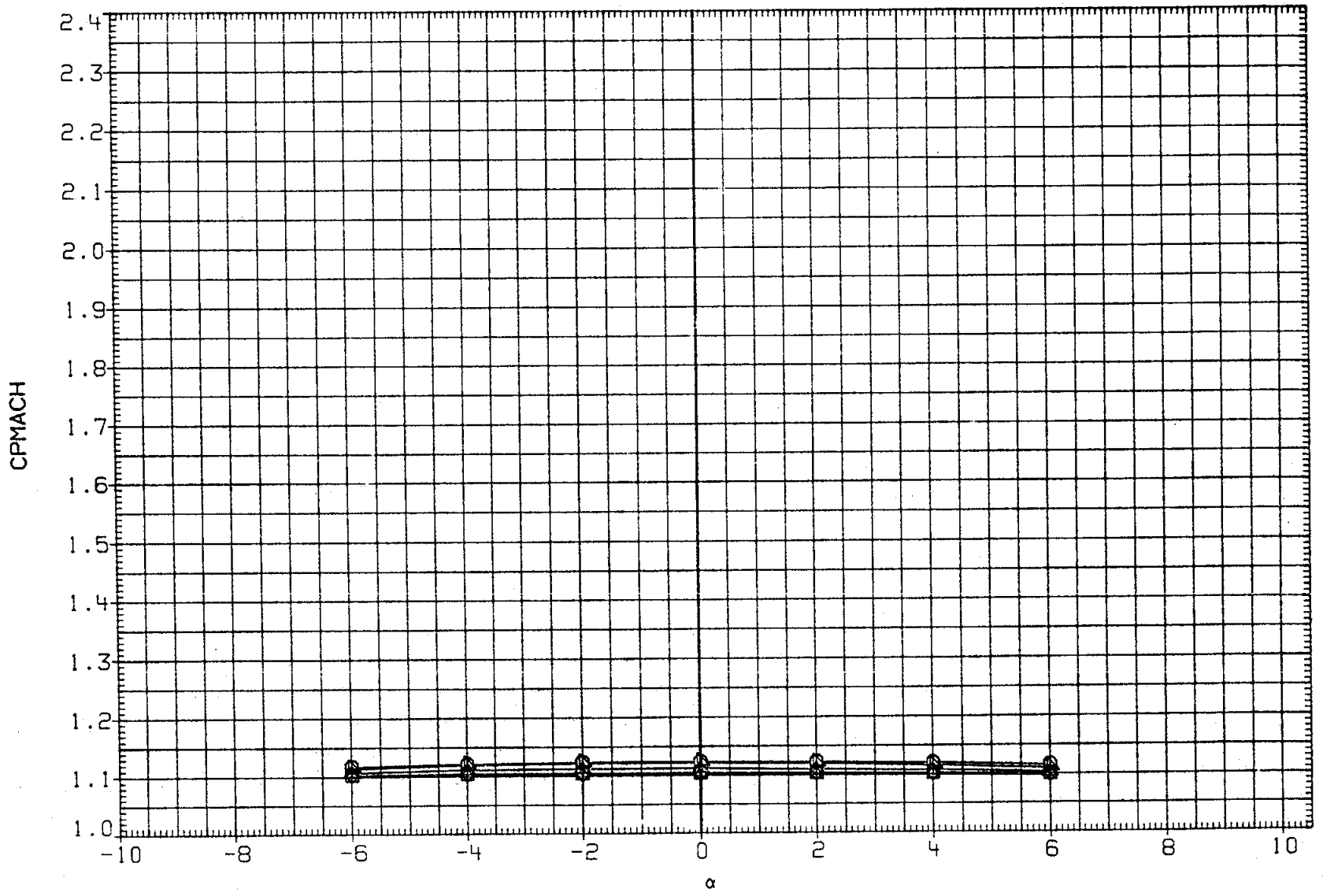

FIG. 23 CPMACH CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

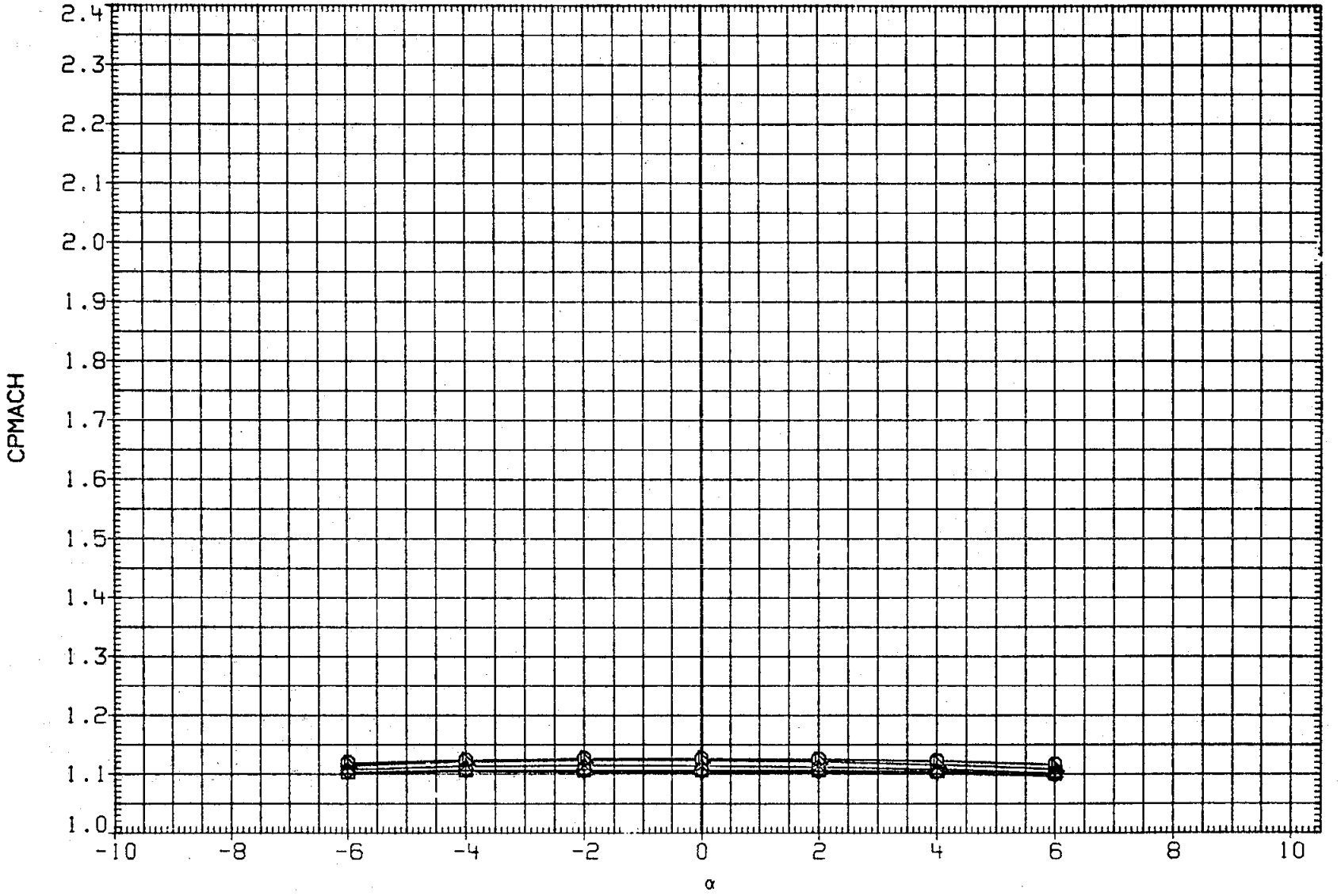

FIG. 23 CPMACH CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

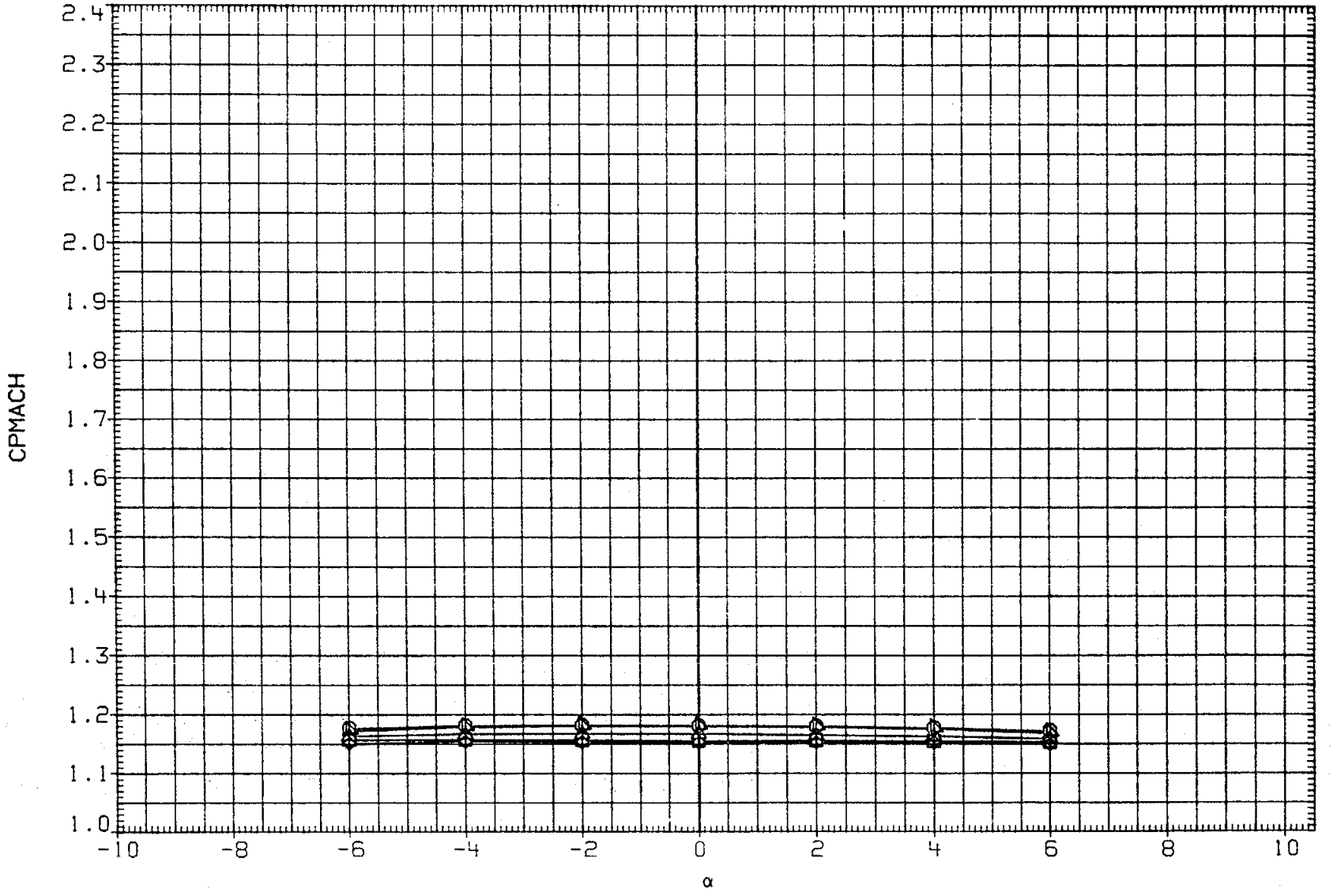

FIG. 23 CPMACH CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

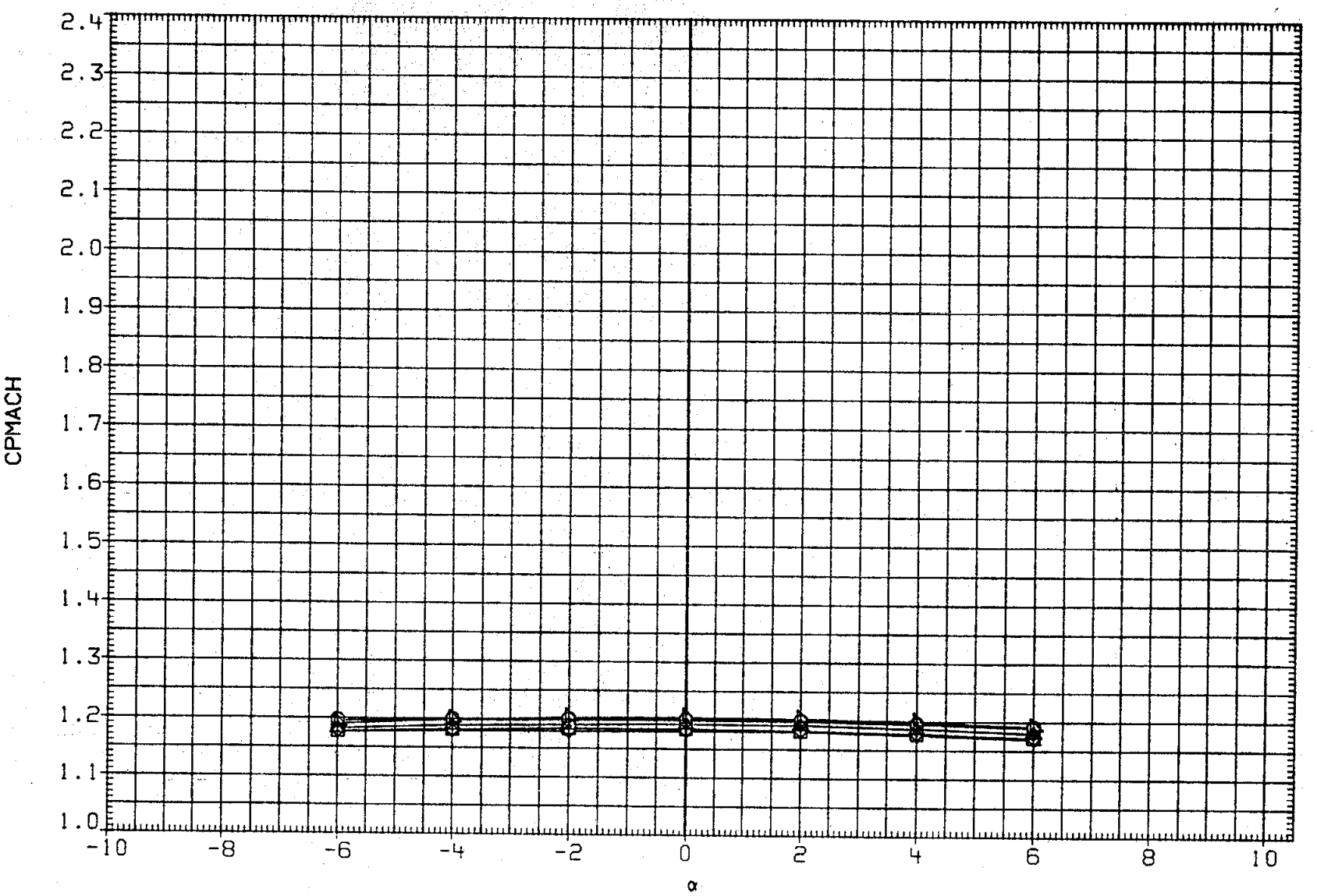

FIG. 23 CPMACH CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

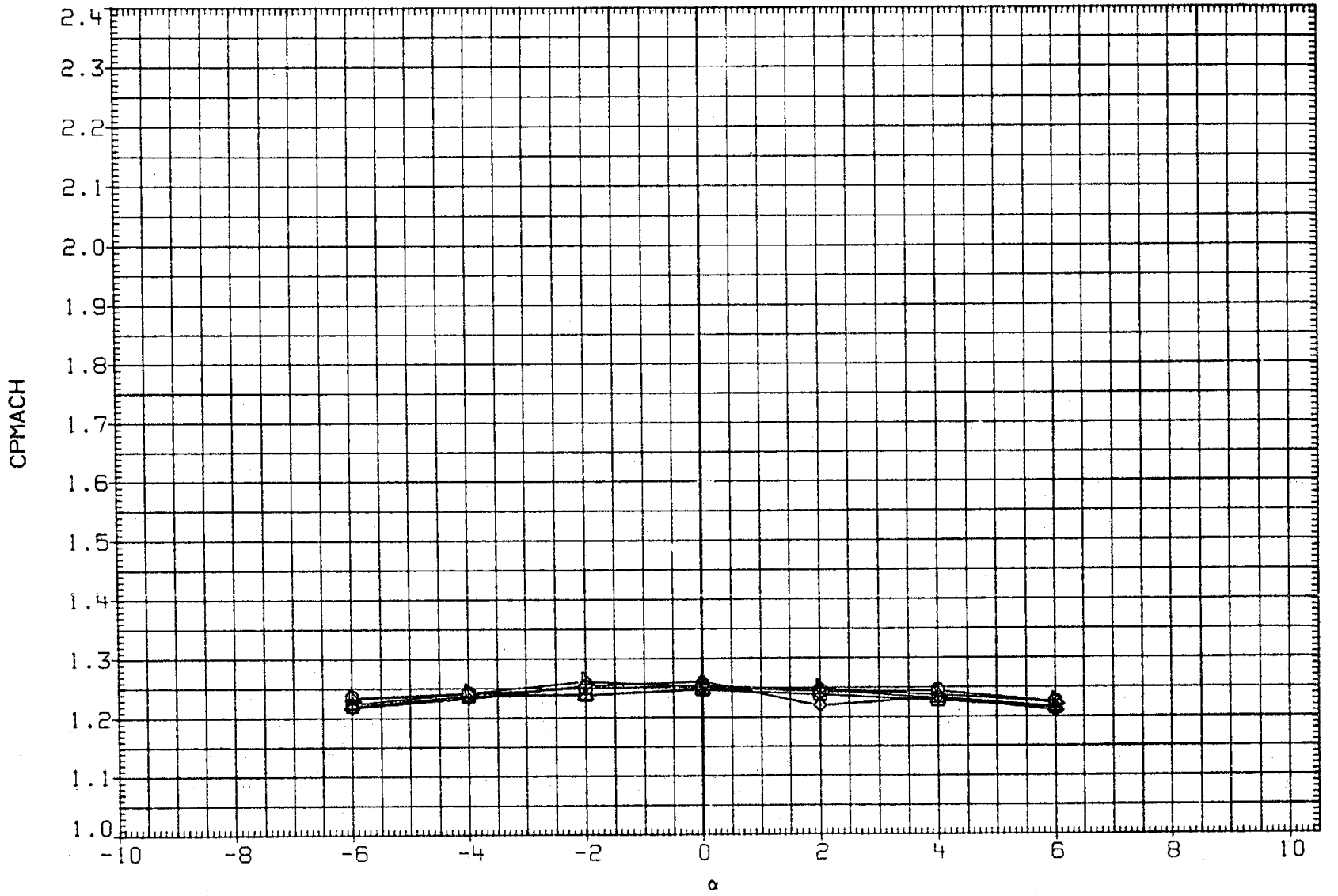

FIG. 23 CPMACH CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

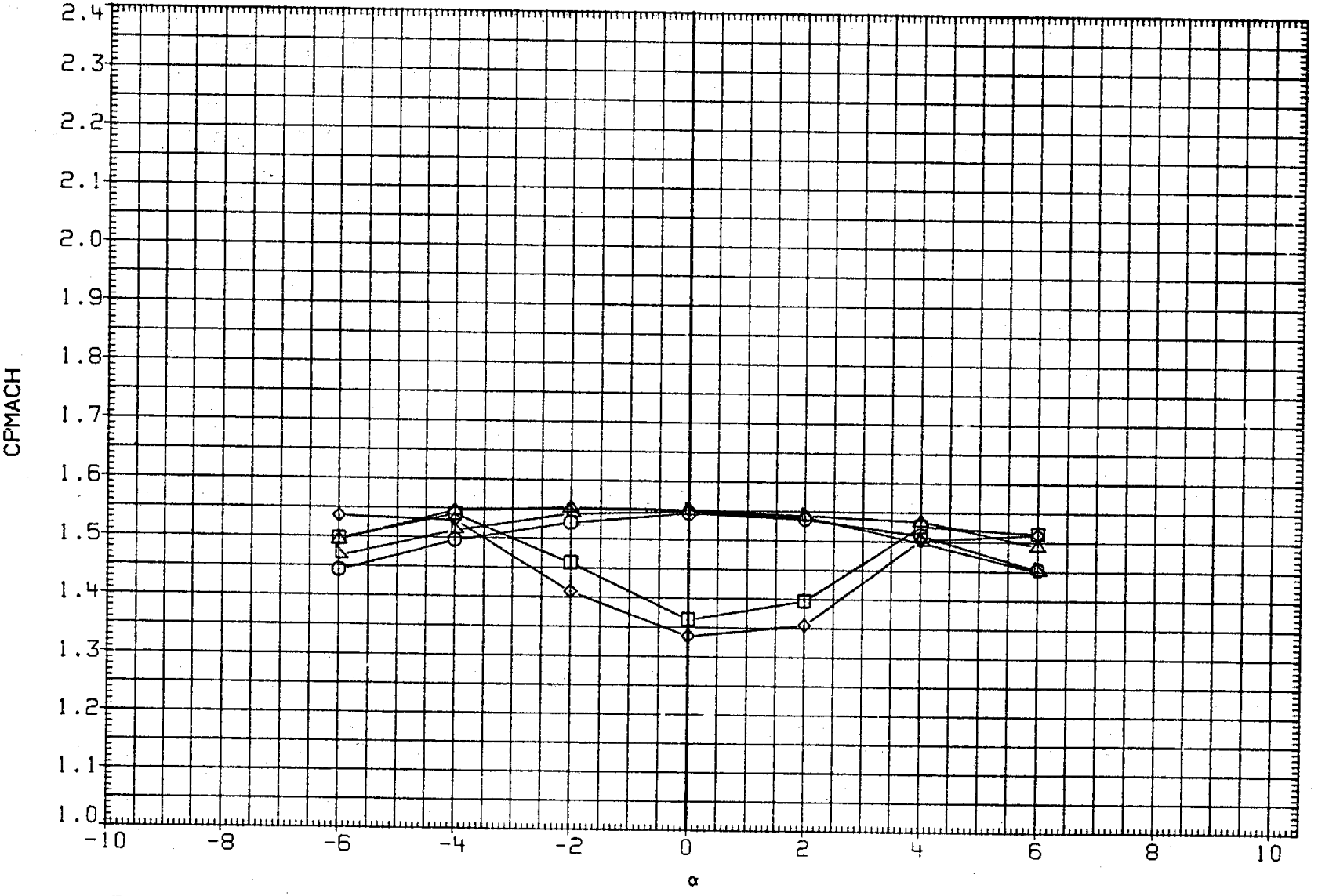

FIG. 23 CPMACH CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

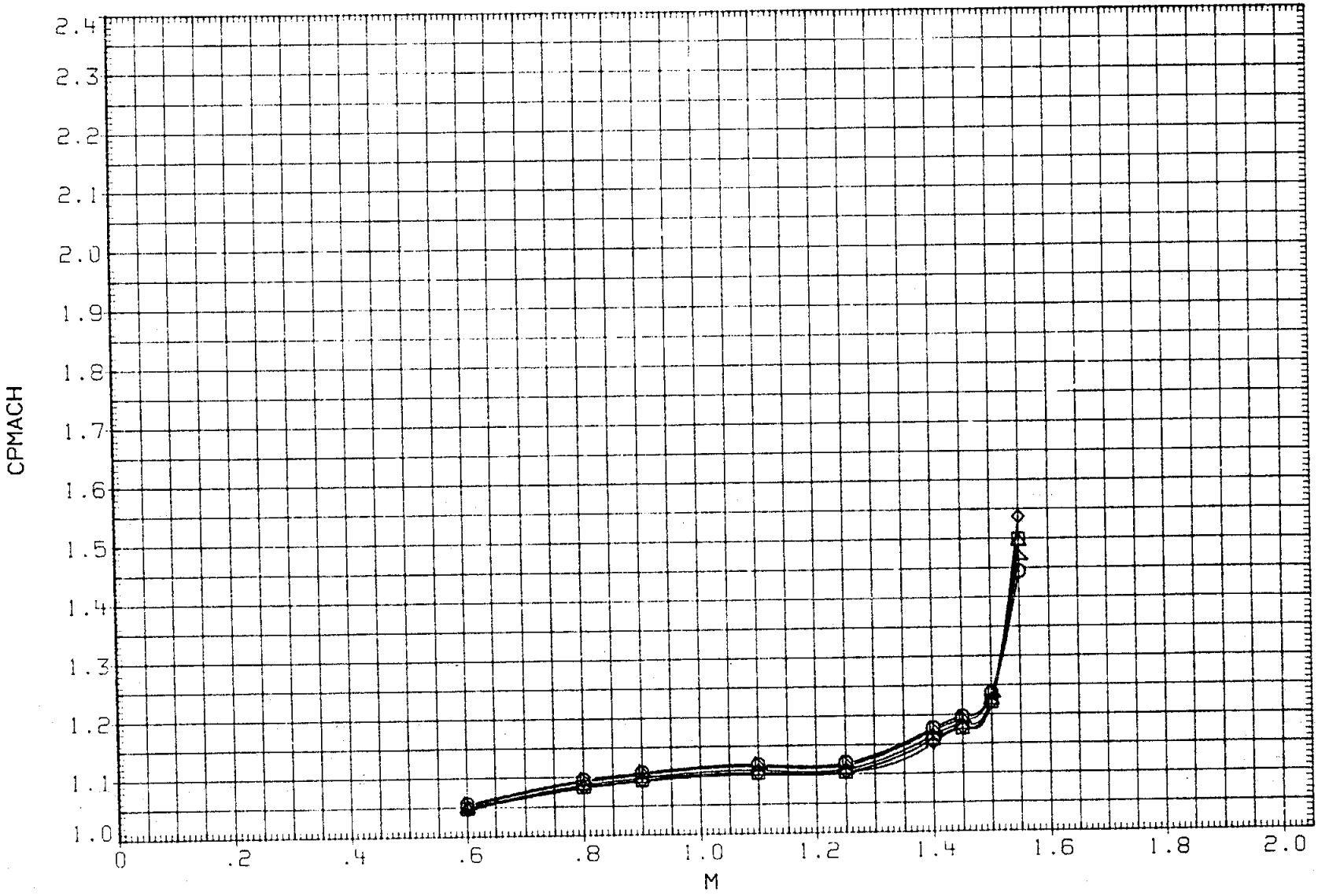

FIG. 23 CPMACH CHARACTERISTICS

(A) ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

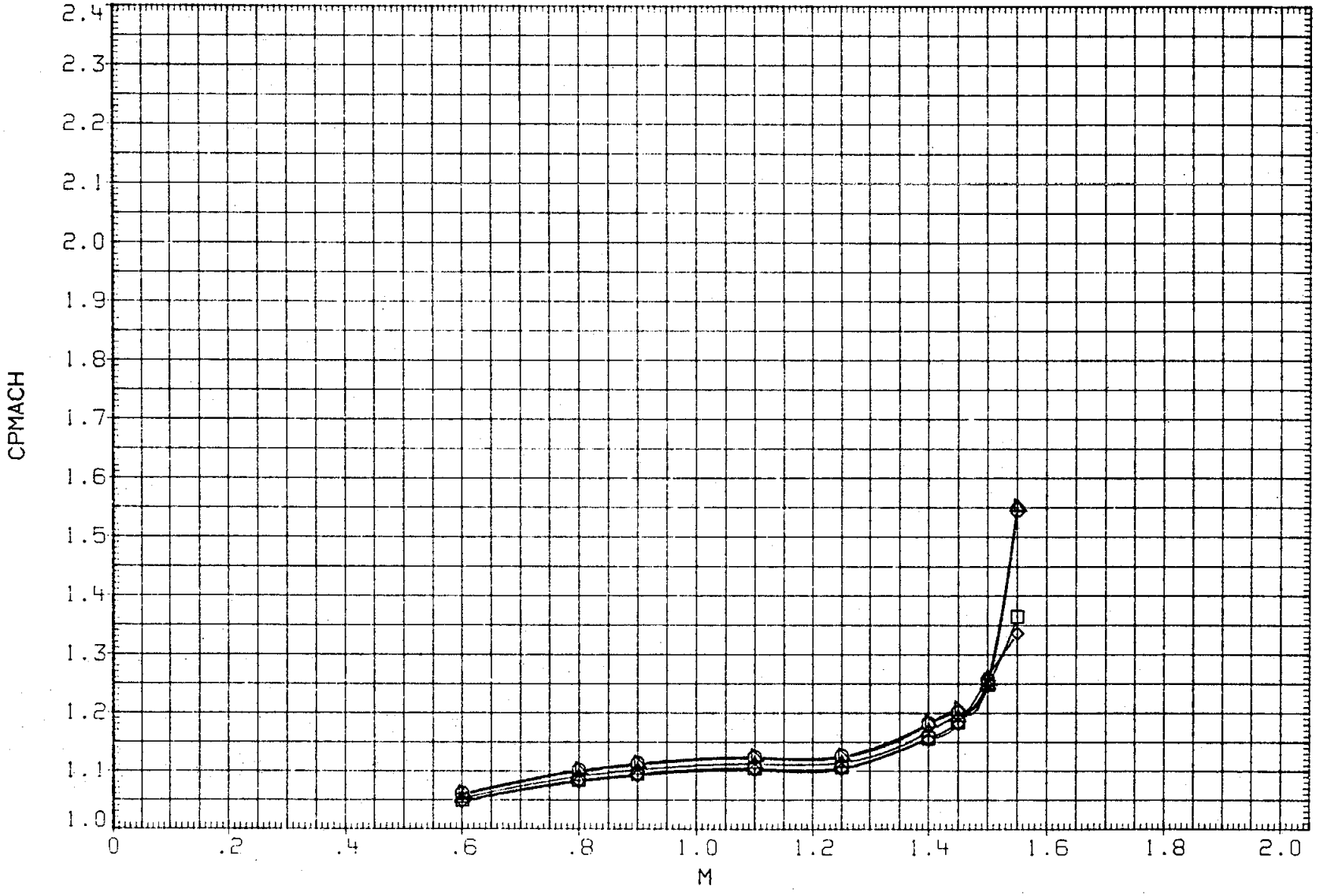

FIG. 23 CPMACH CHARACTERISTICS

(B) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

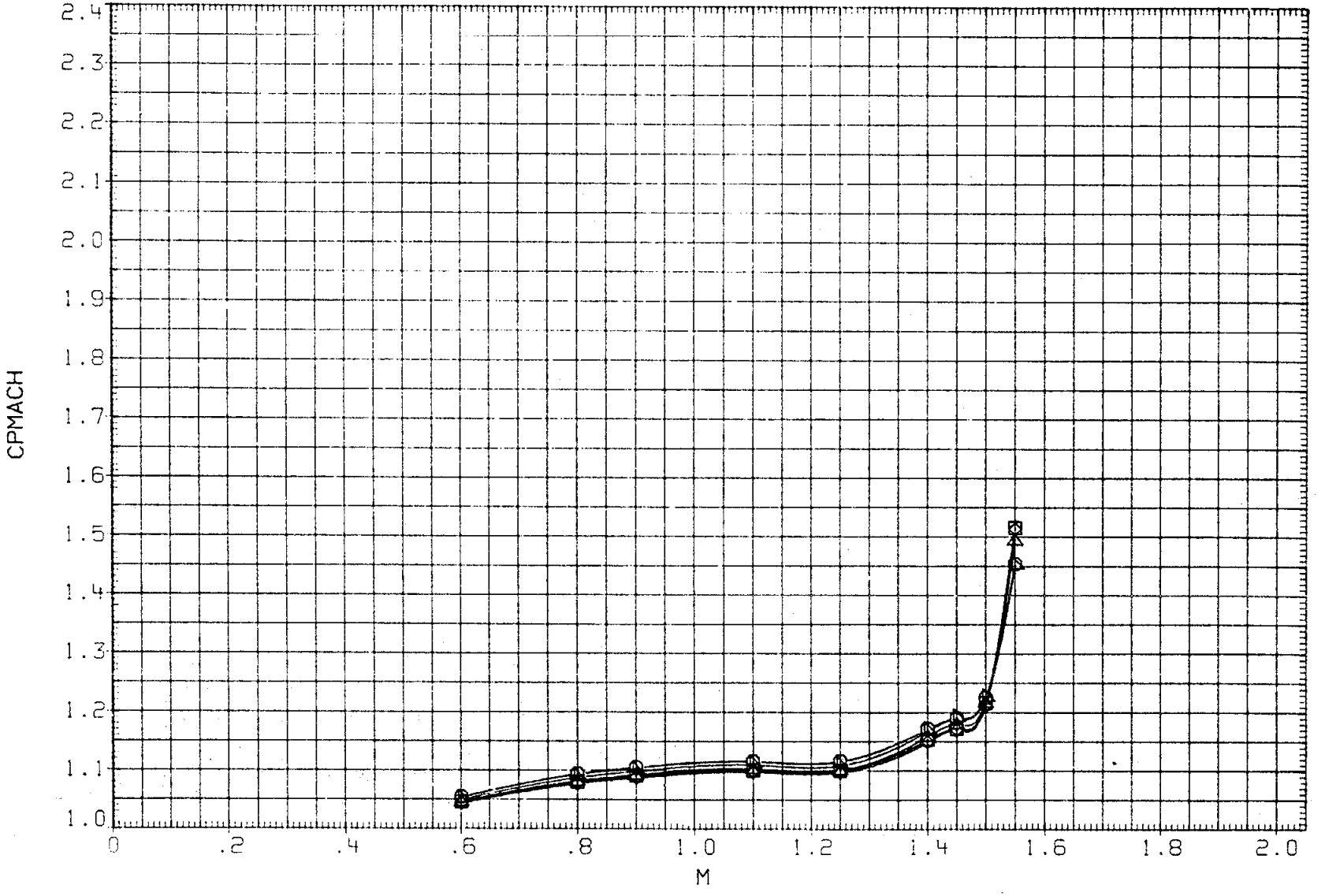

FIG. 23 CPMACH CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

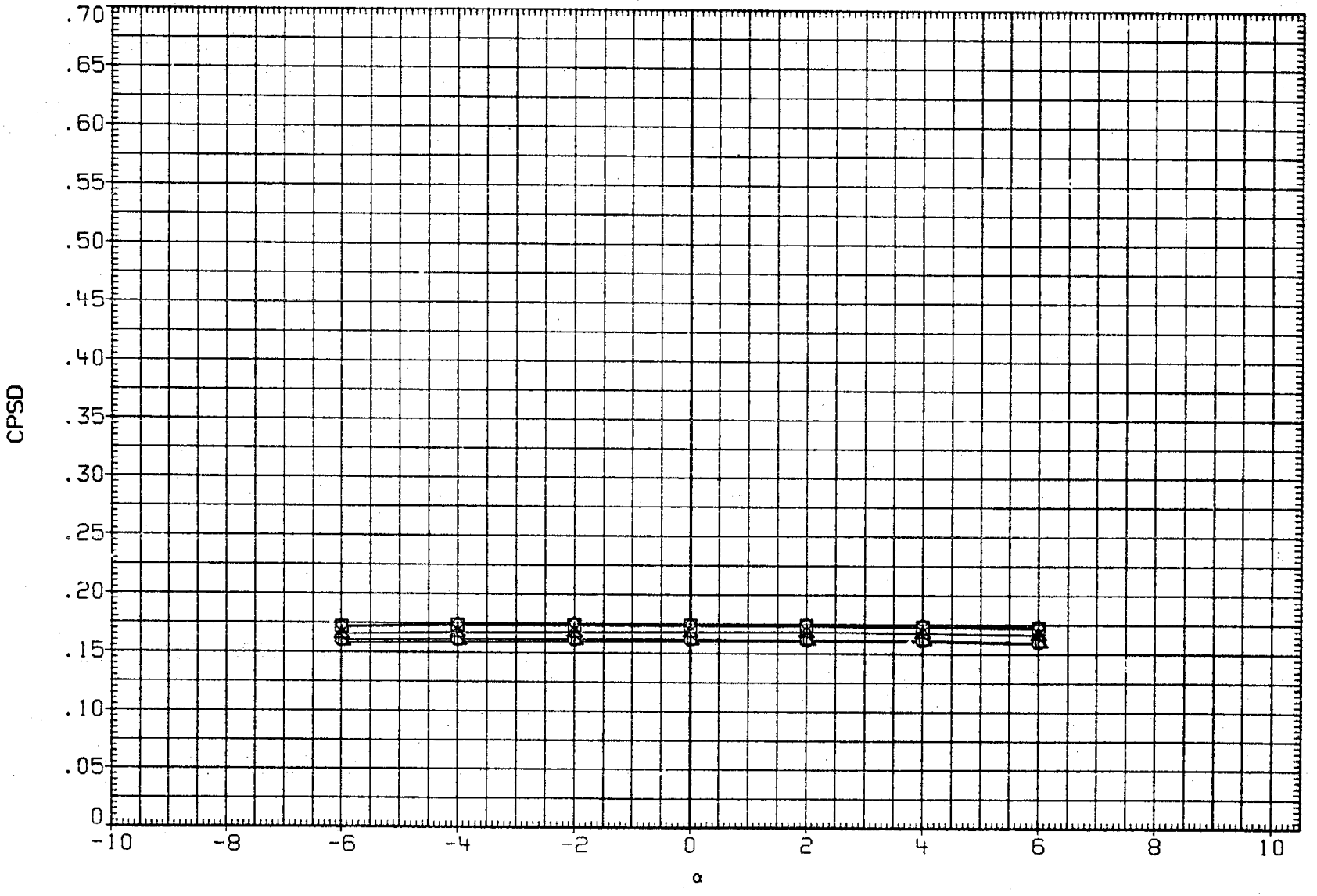

FIG. 24 CPSD CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

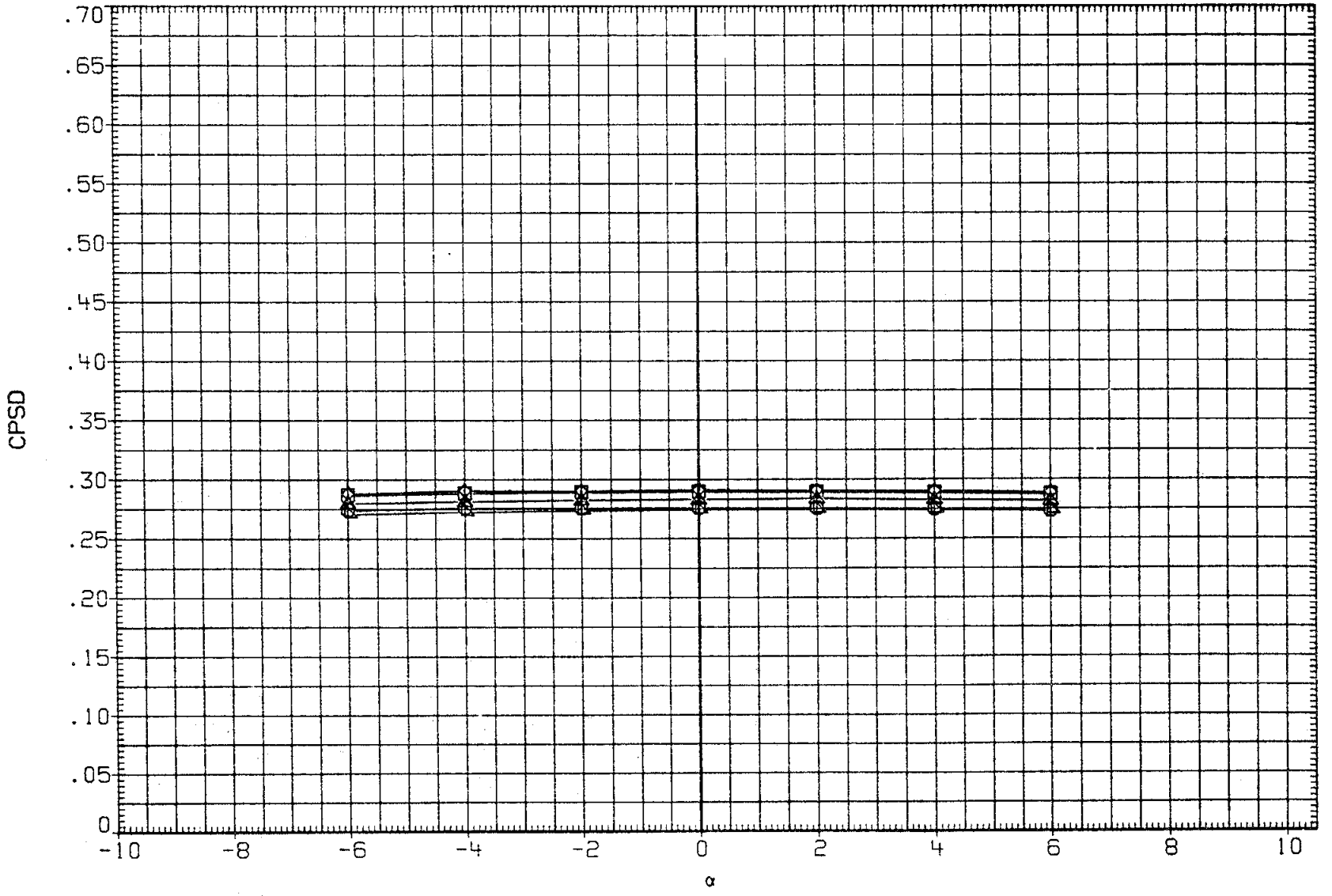

FIG. 24 CPSD CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

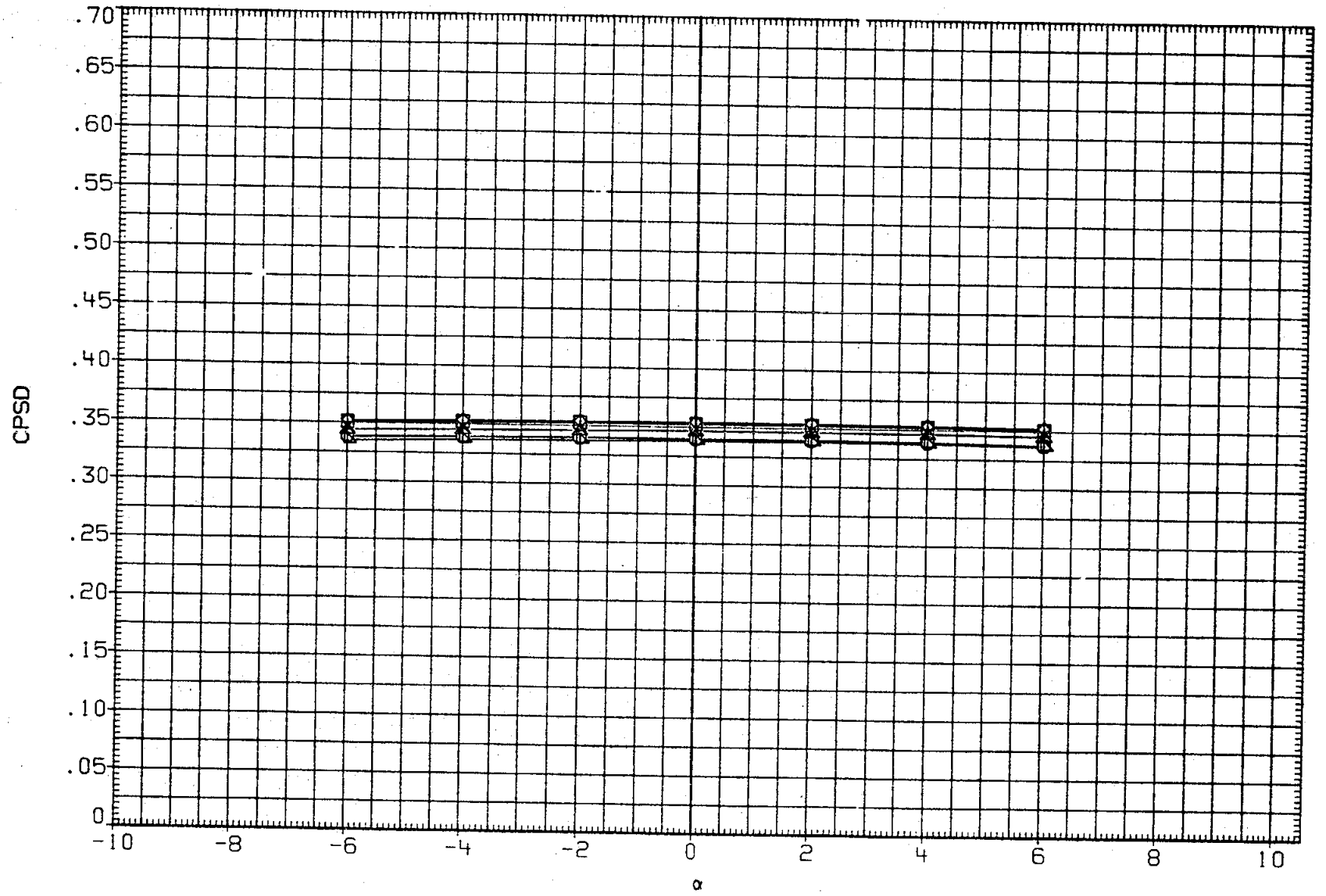

FIG. 24 CPSD CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

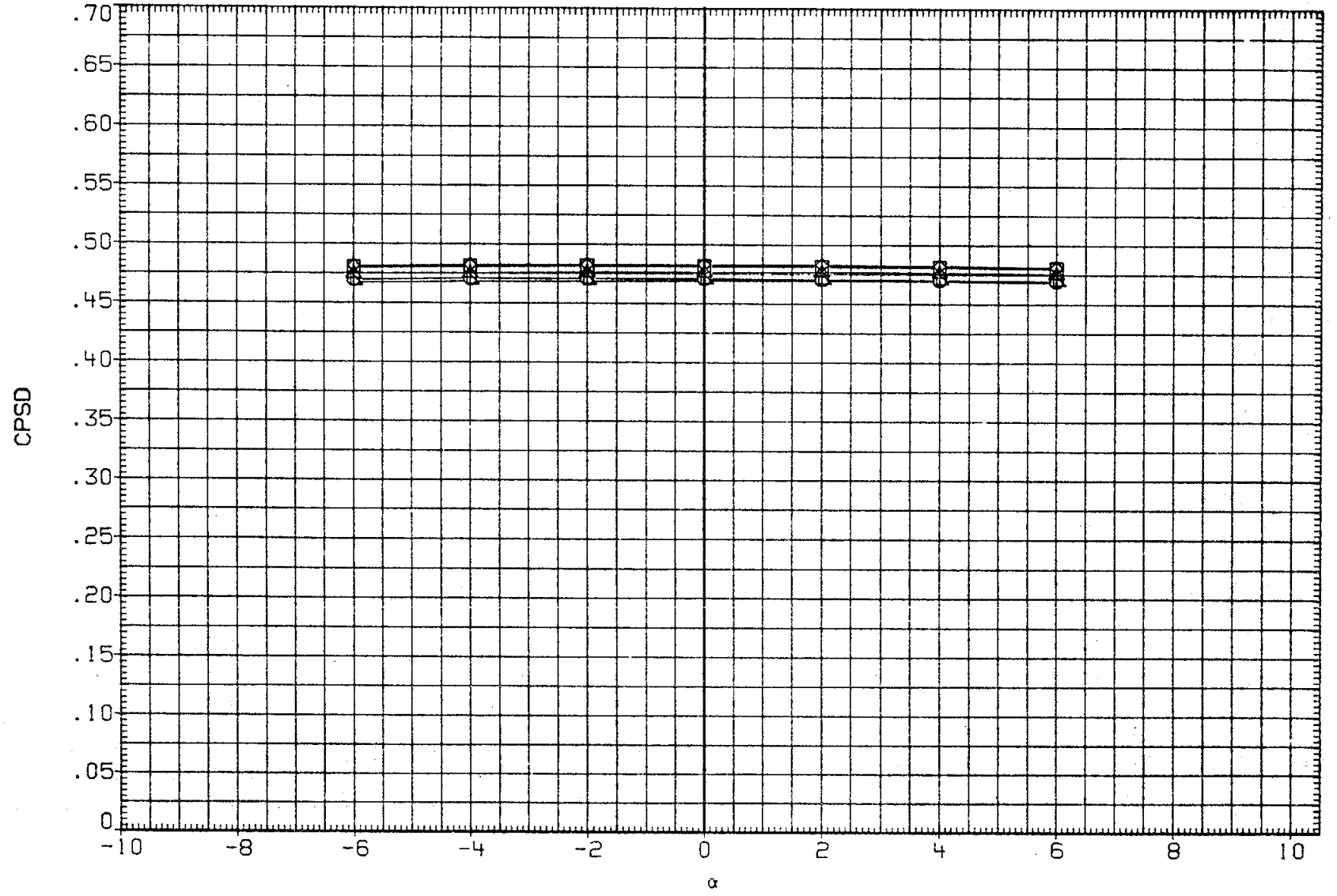

FIG. 24 CPSD CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

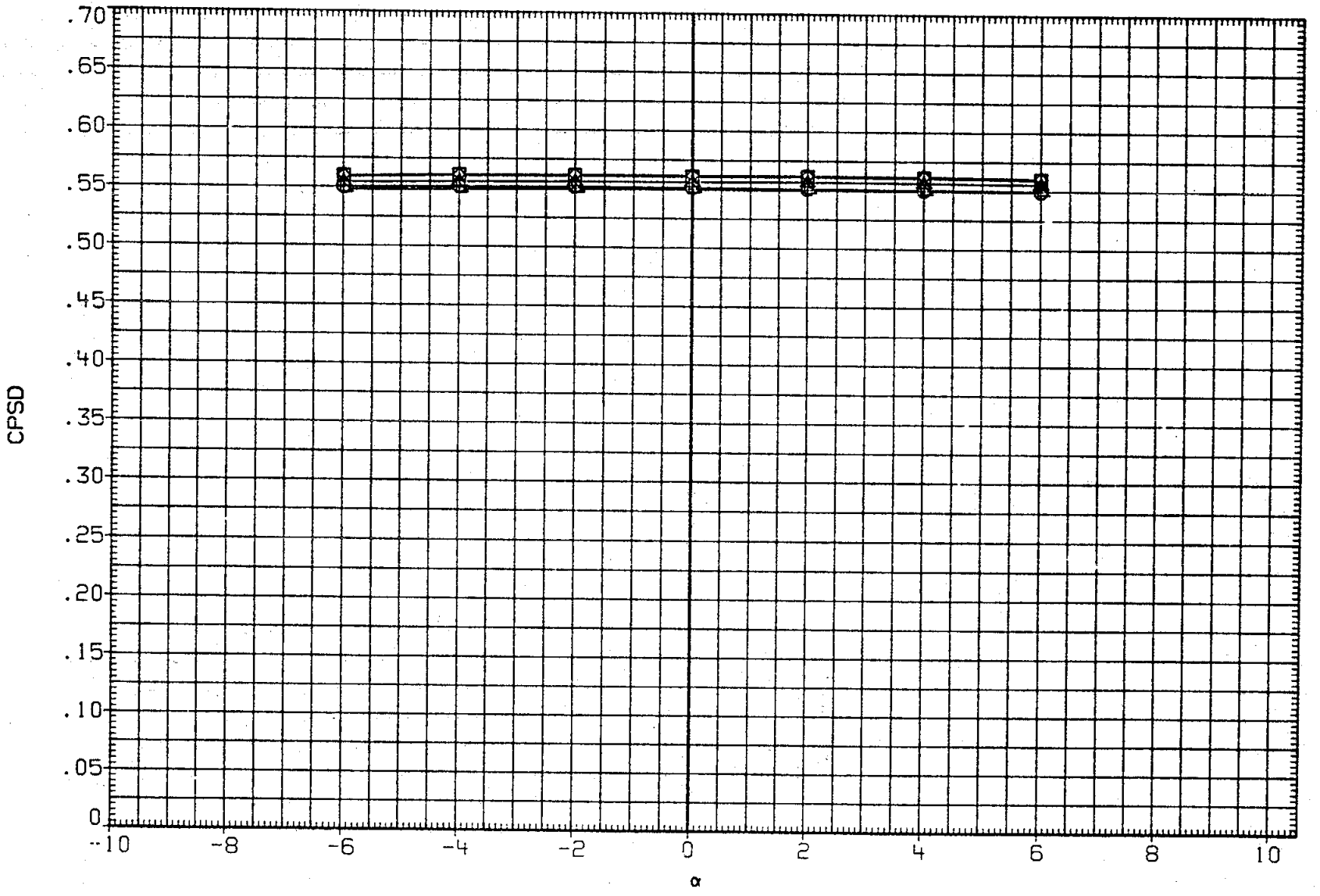

FIG. 24 CPSD CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

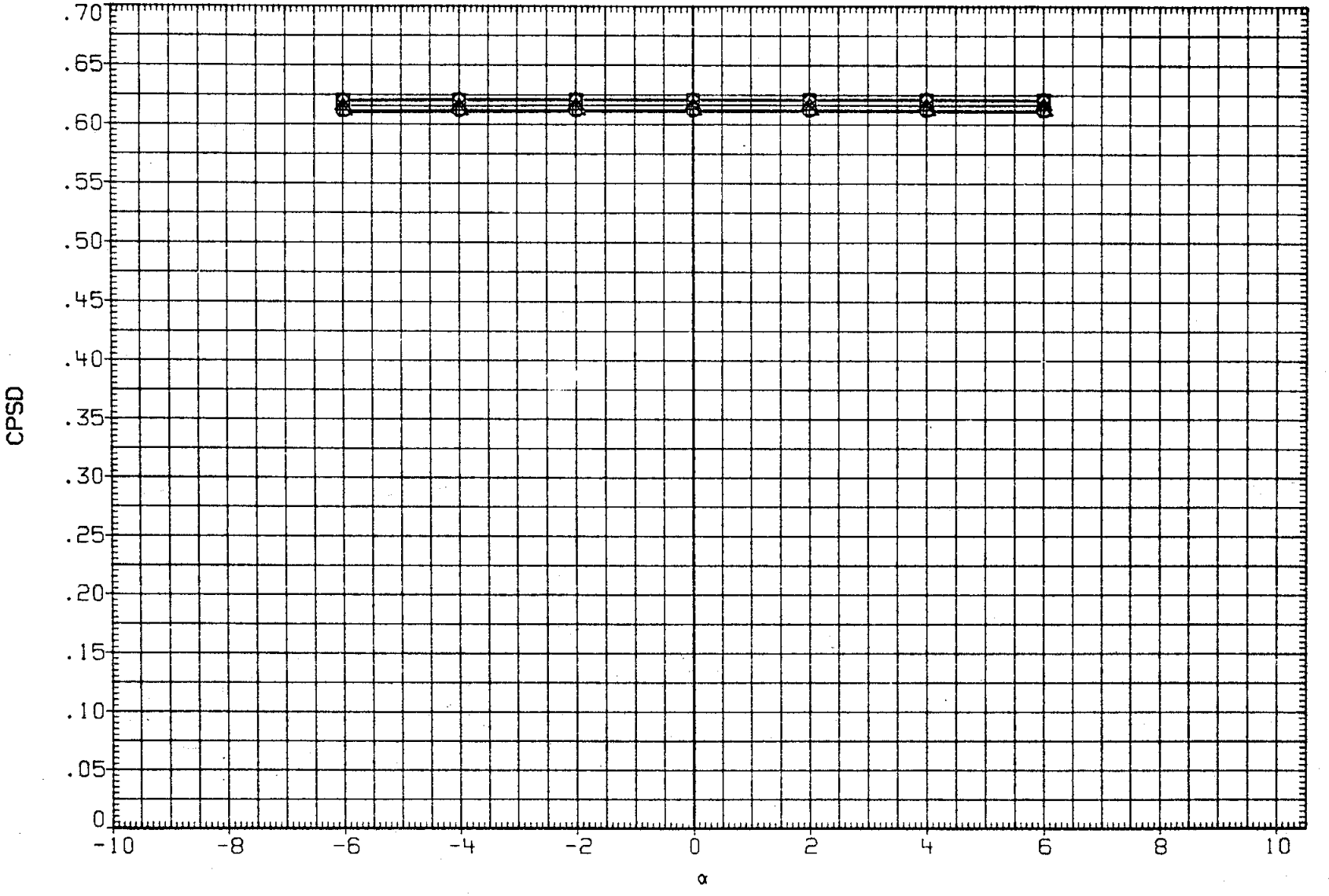

FIG. 24 CPSD CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

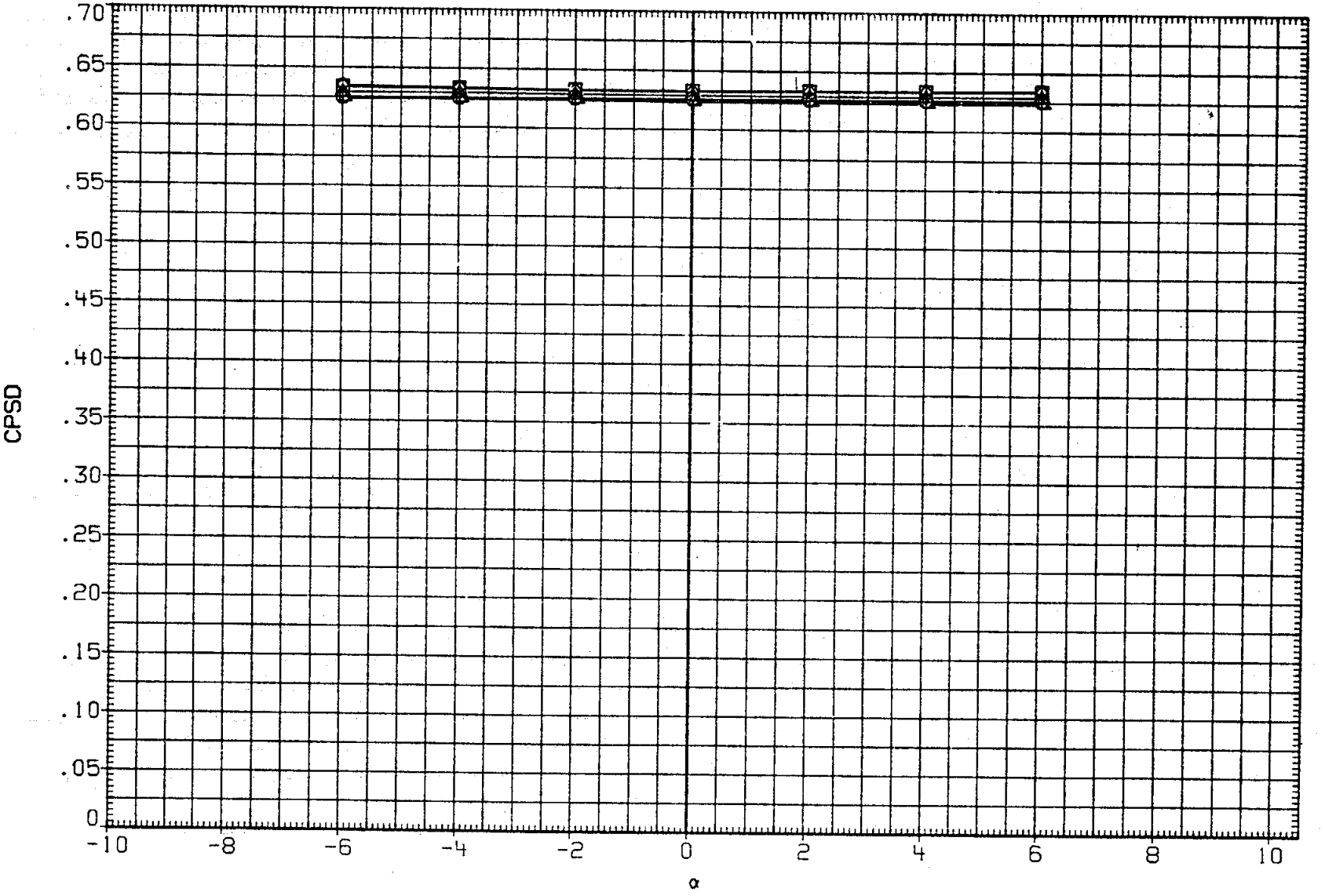

FIG. 24 CPSD CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

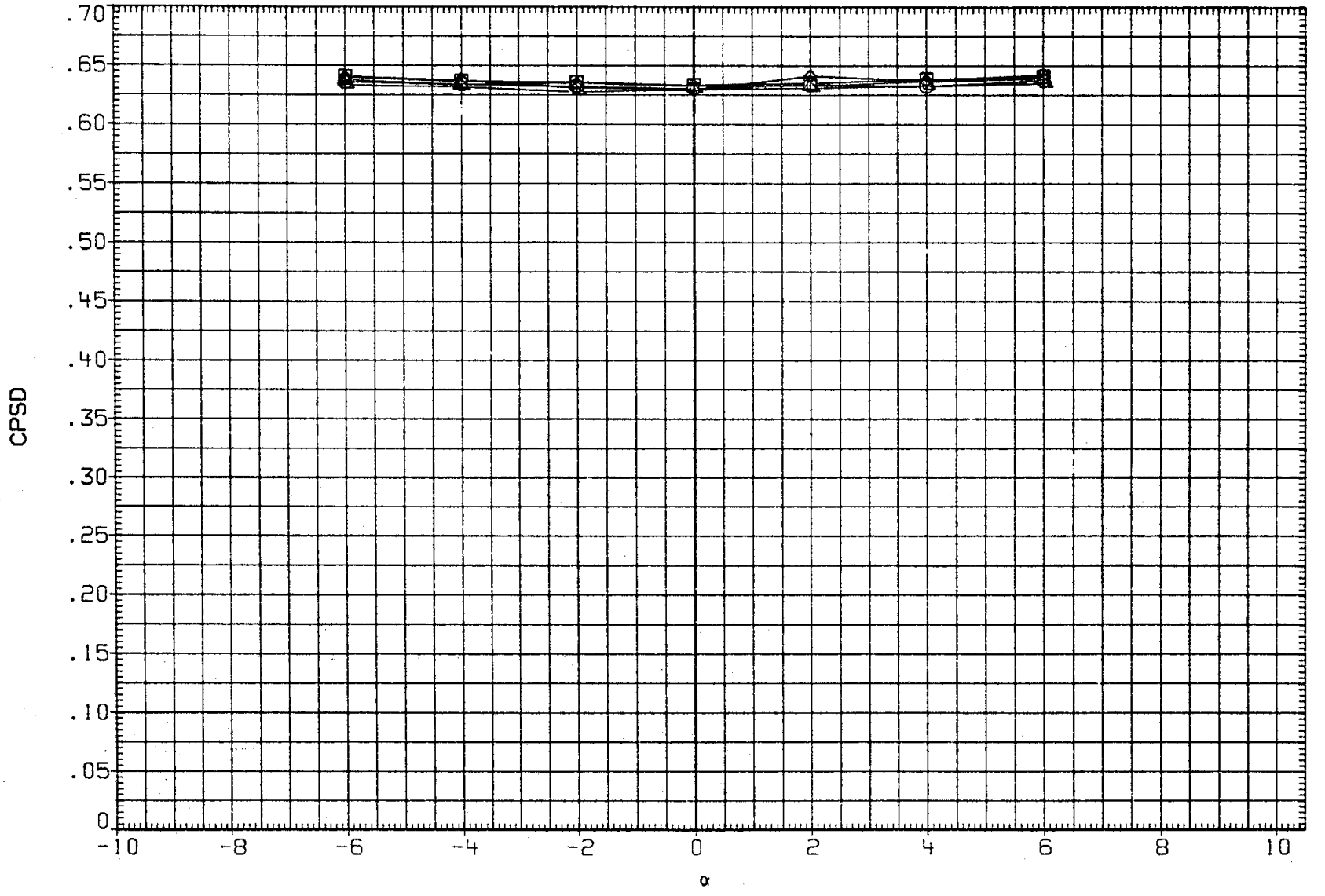

FIG. 24 CPSD CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

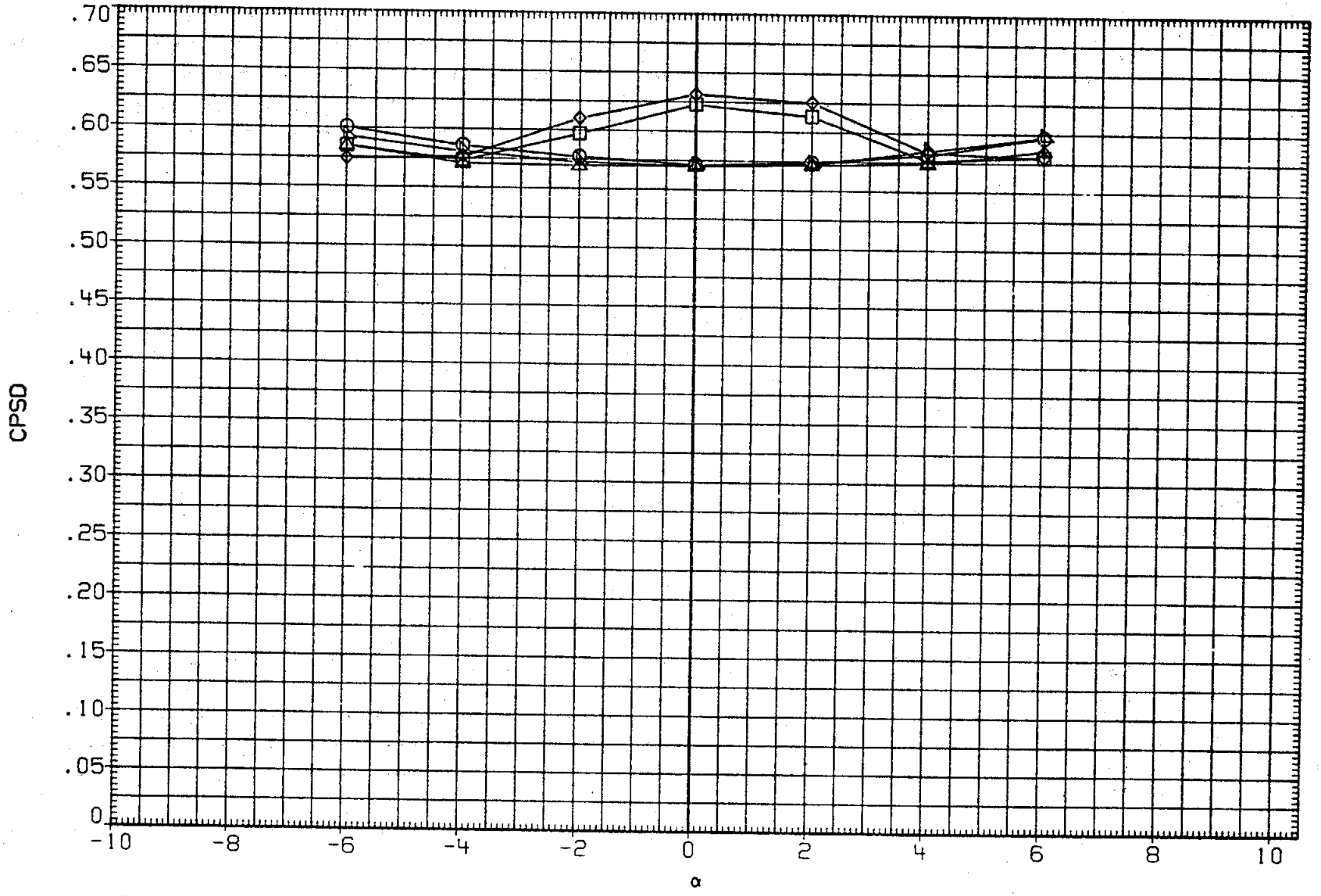

FIG. 24 CPSD CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA
T4R851	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4R855	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4R857	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4R861	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4R864	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

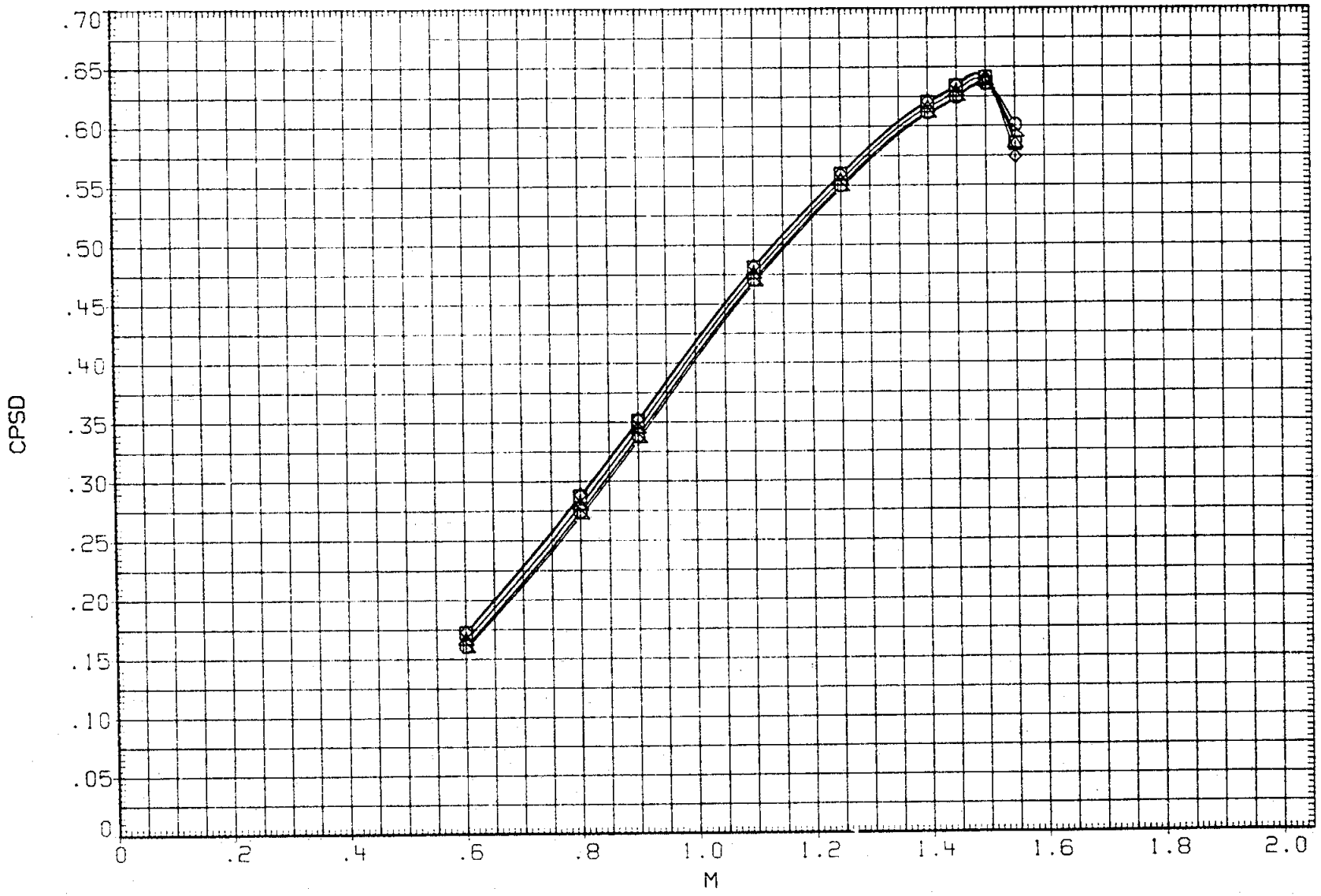

FIG. 24 CPSD CHARACTERISTICS

(A) ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

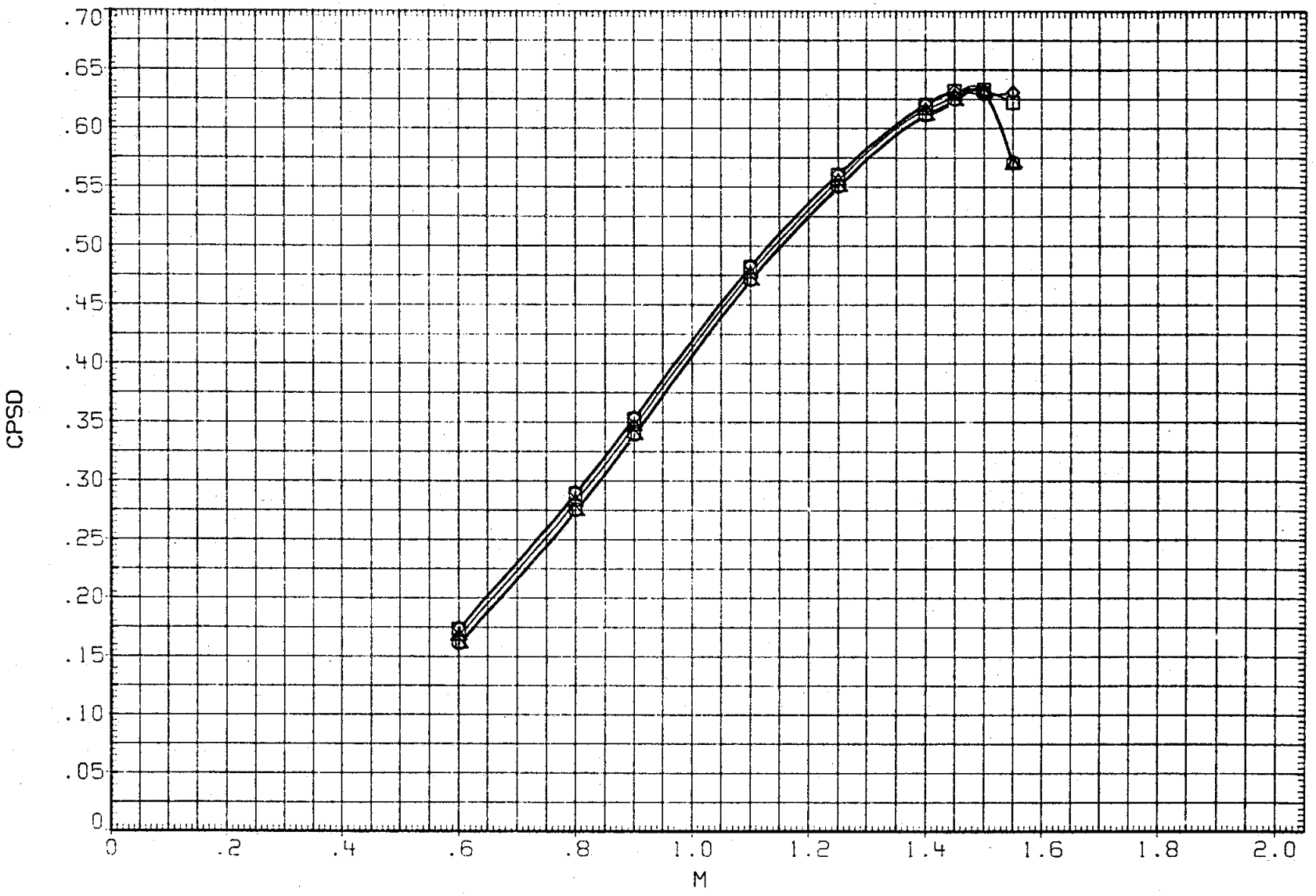

FIG. 24 CPSD CHARACTERISTICS

(B) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

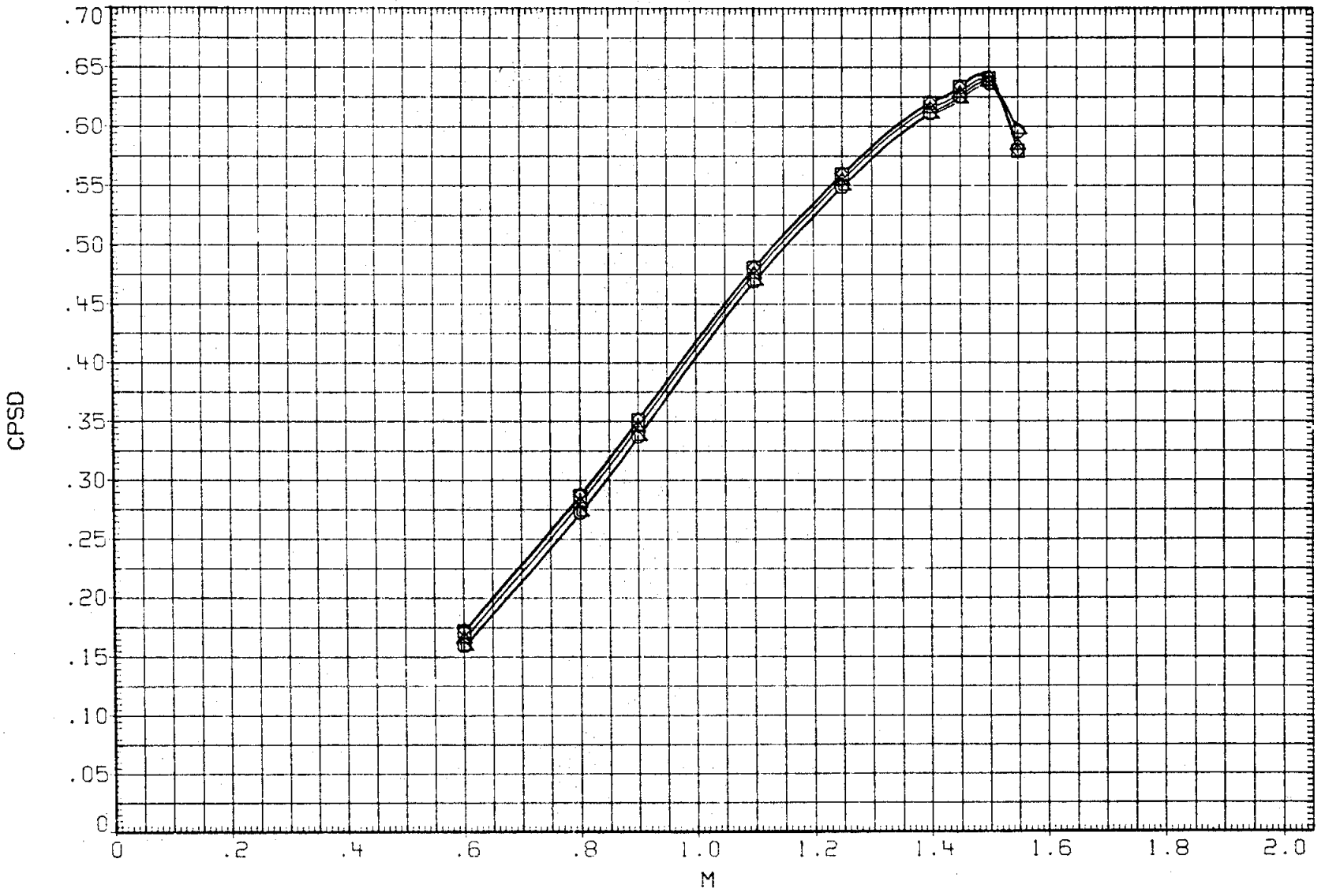

FIG. 24 CPSD CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

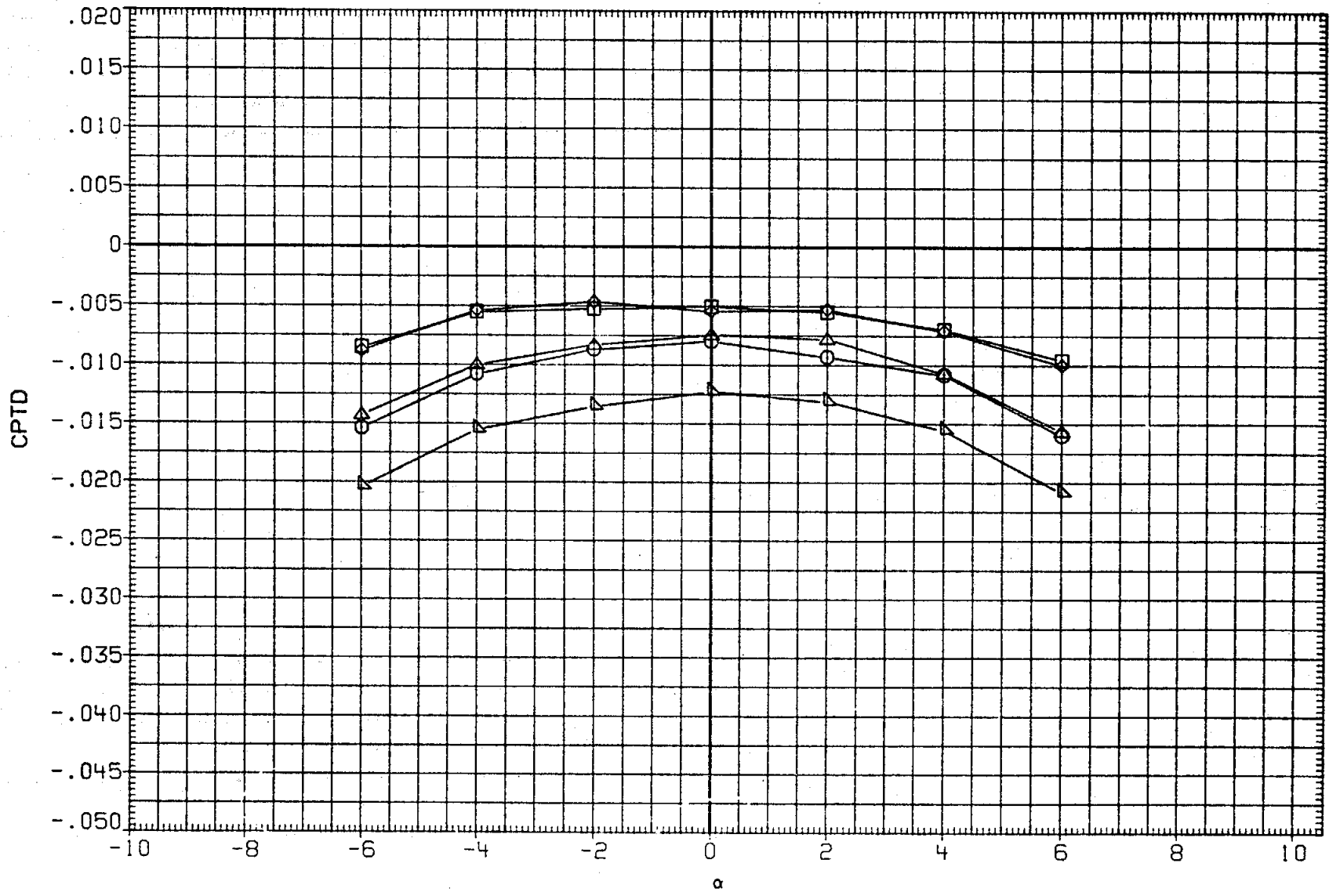

FIG. 25 CPTD CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

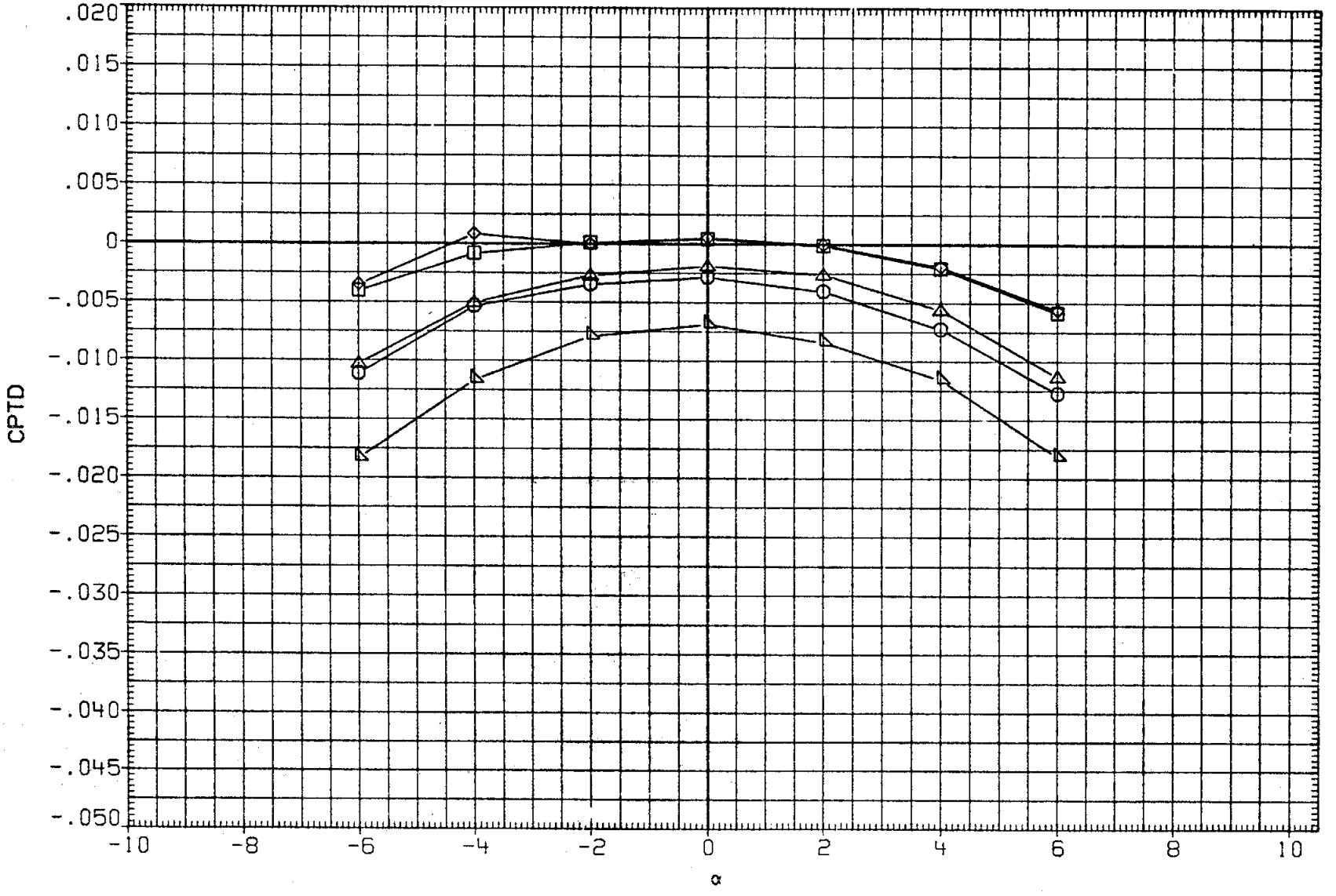

FIG. 25 CPTD CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

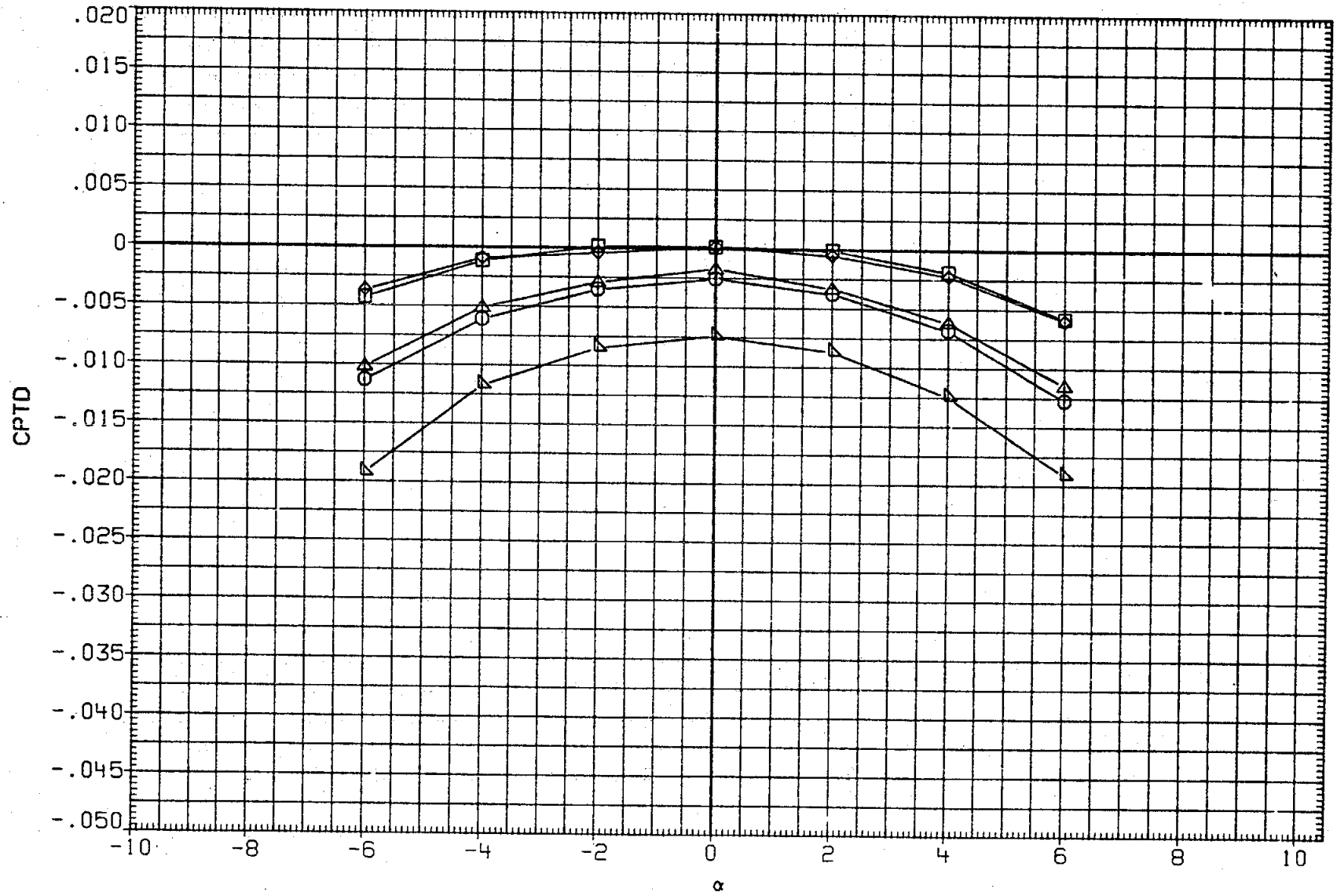

FIG. 25 CPTD CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4R355	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

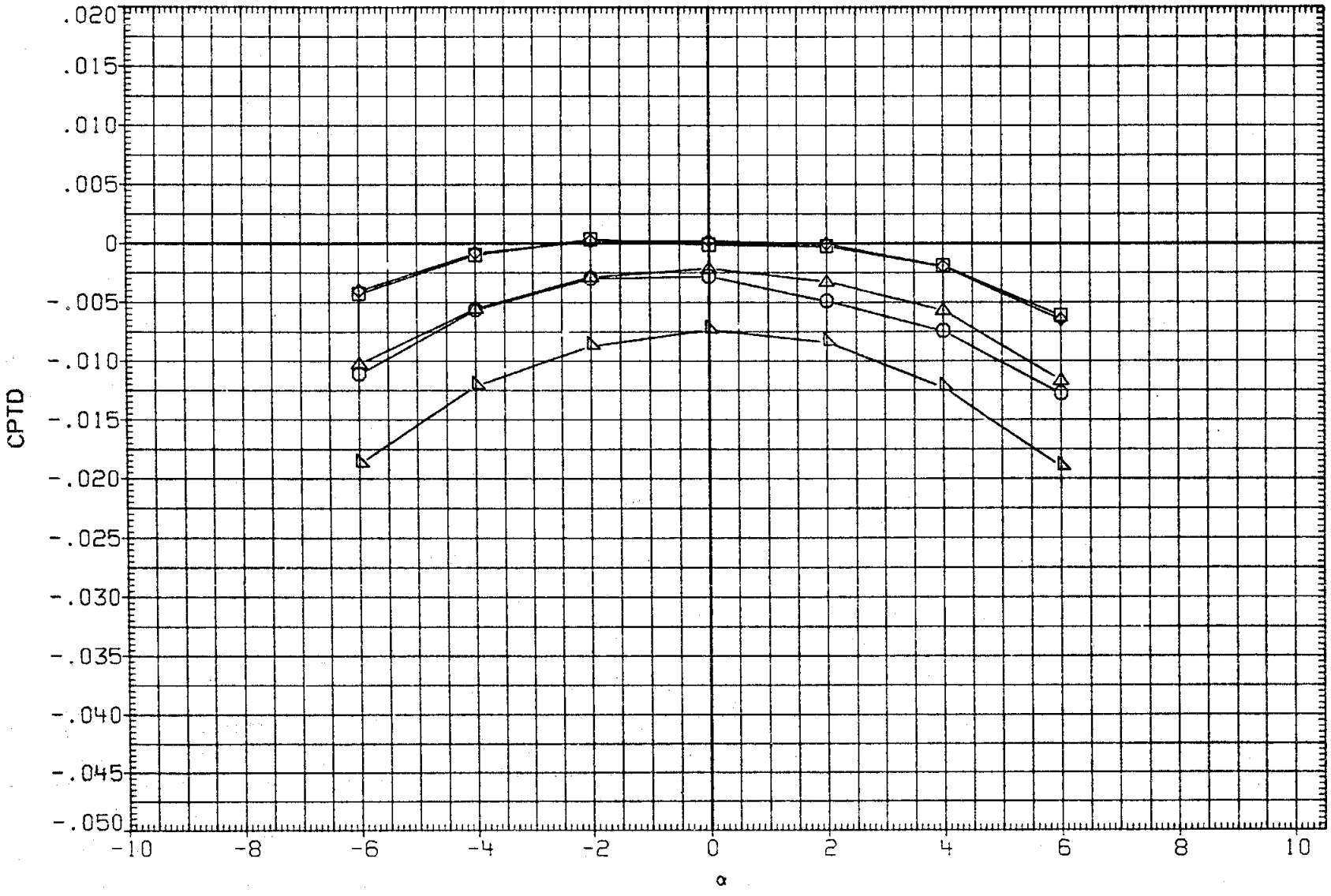

FIG. 25 CPTD CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

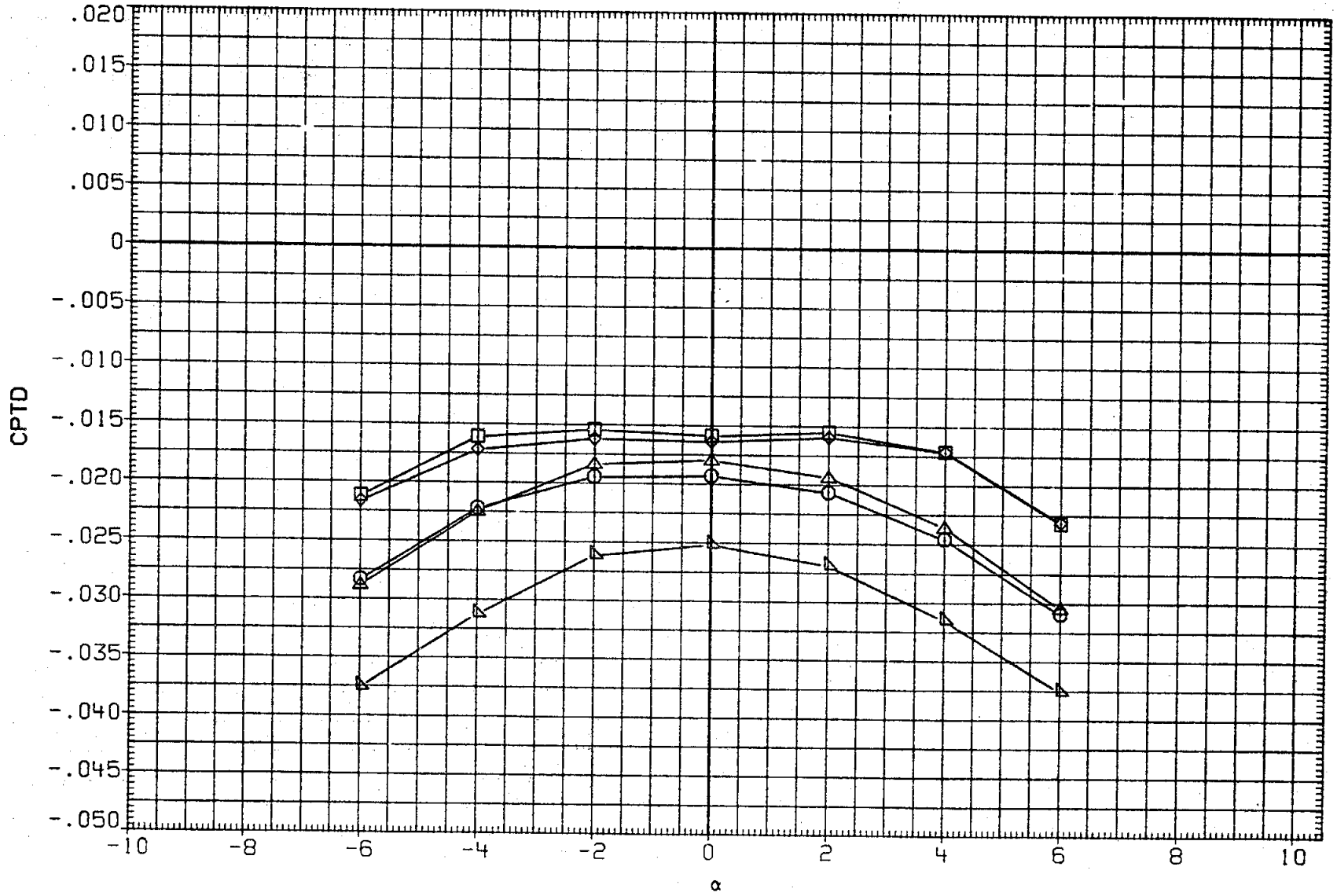

FIG. 25 CPTD CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

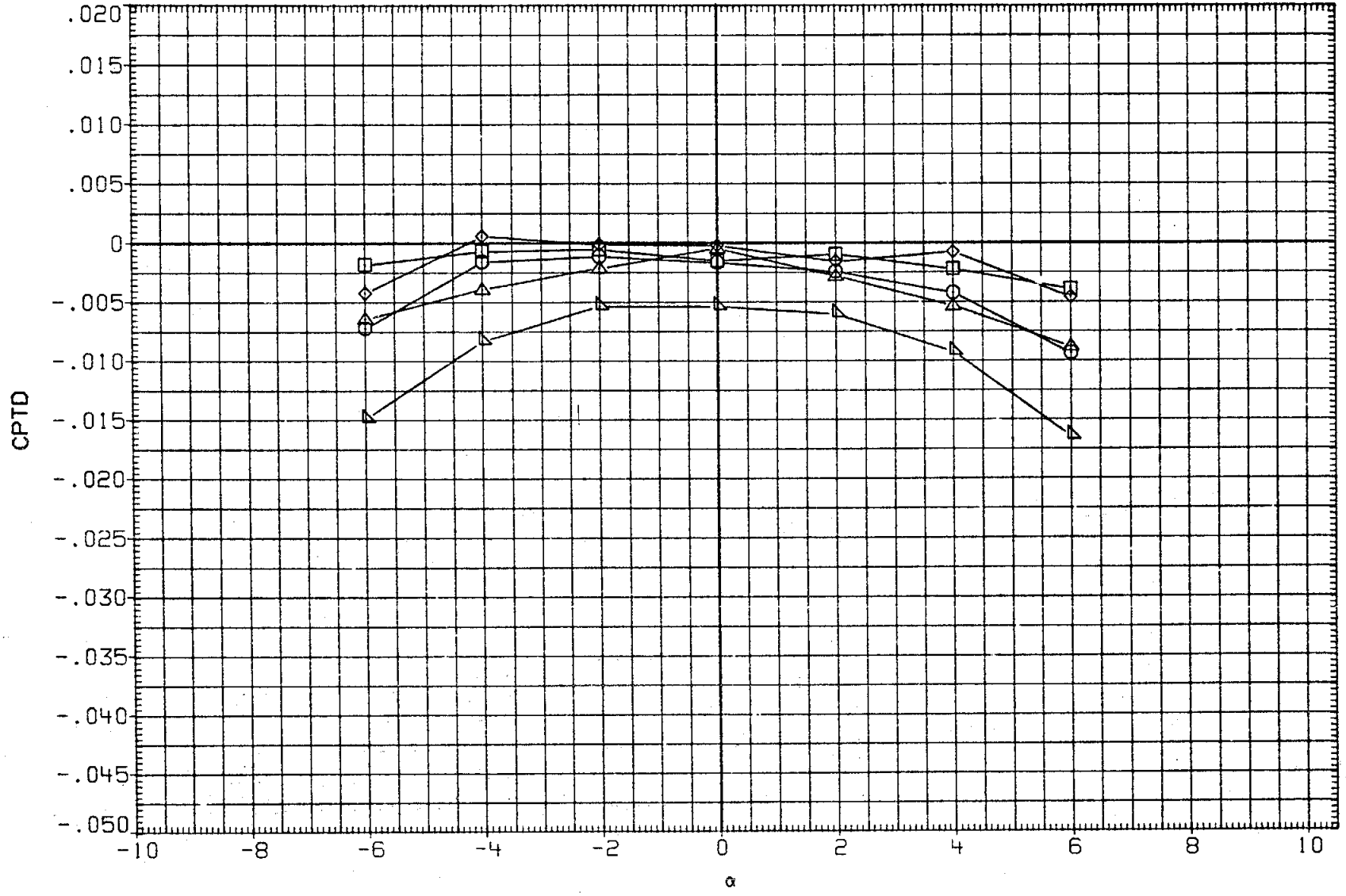

FIG. 25 CPTD CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

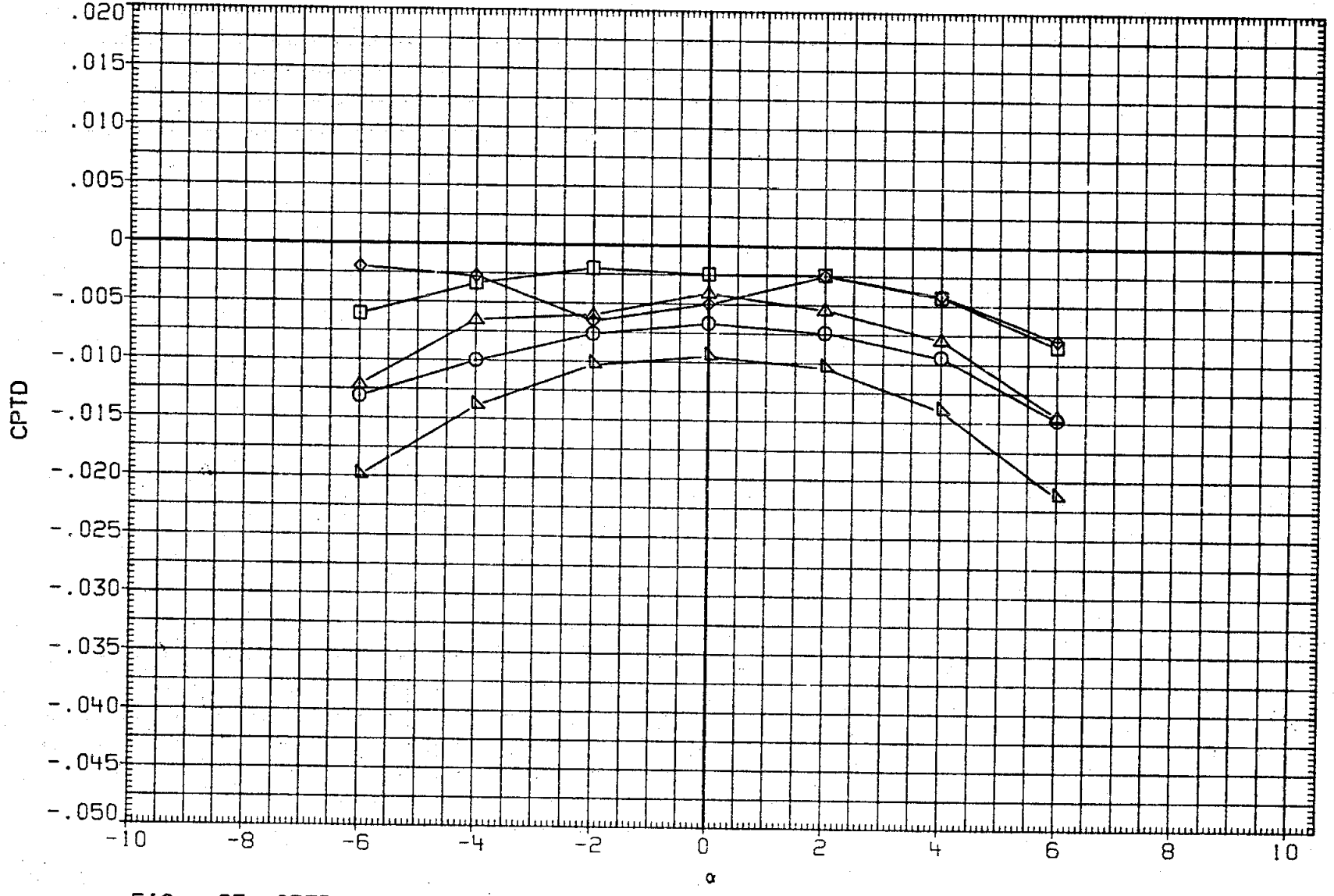

FIG. 25 CPTD CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

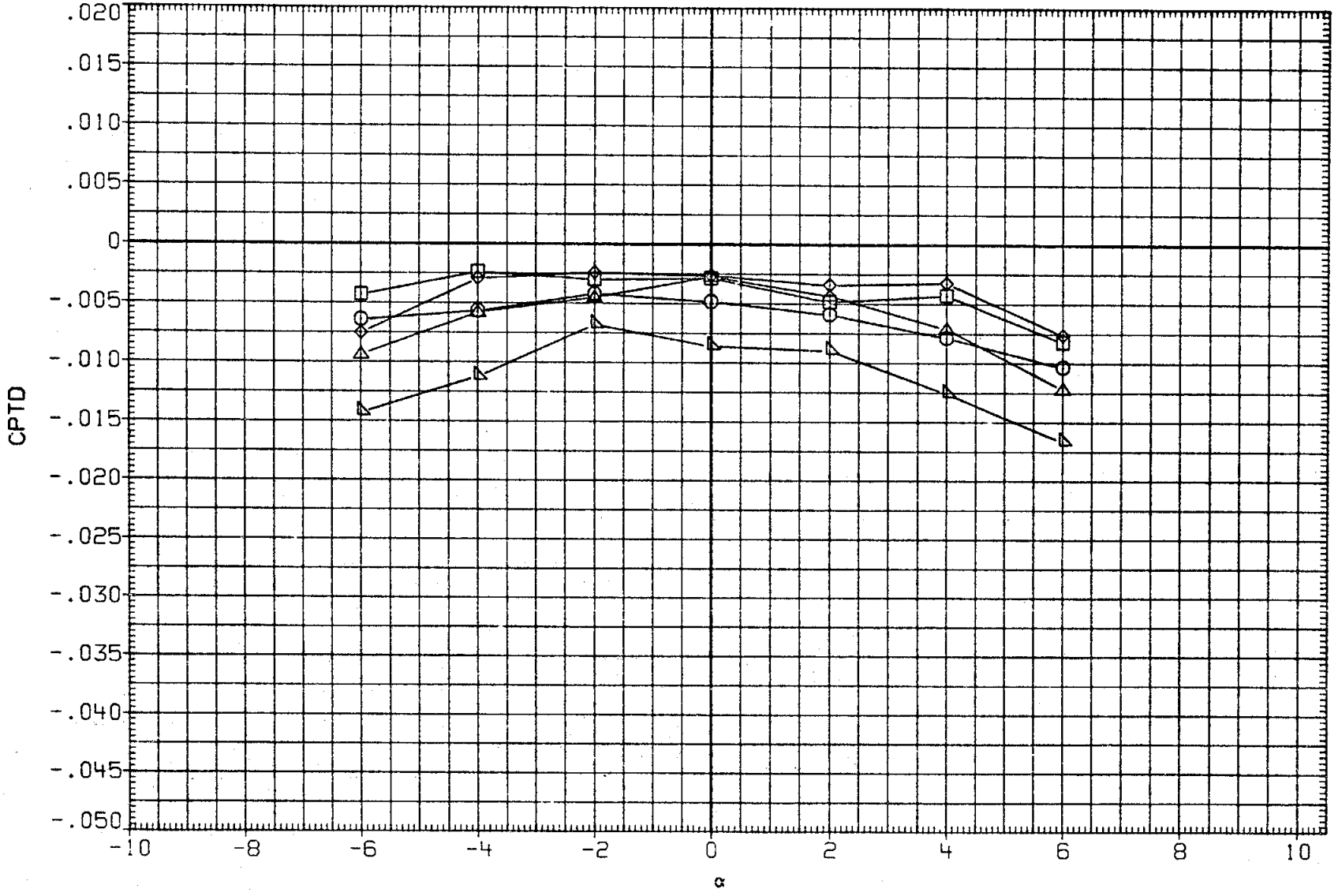

FIG. 25 CPTD CHARACTERISTICS

(H) MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

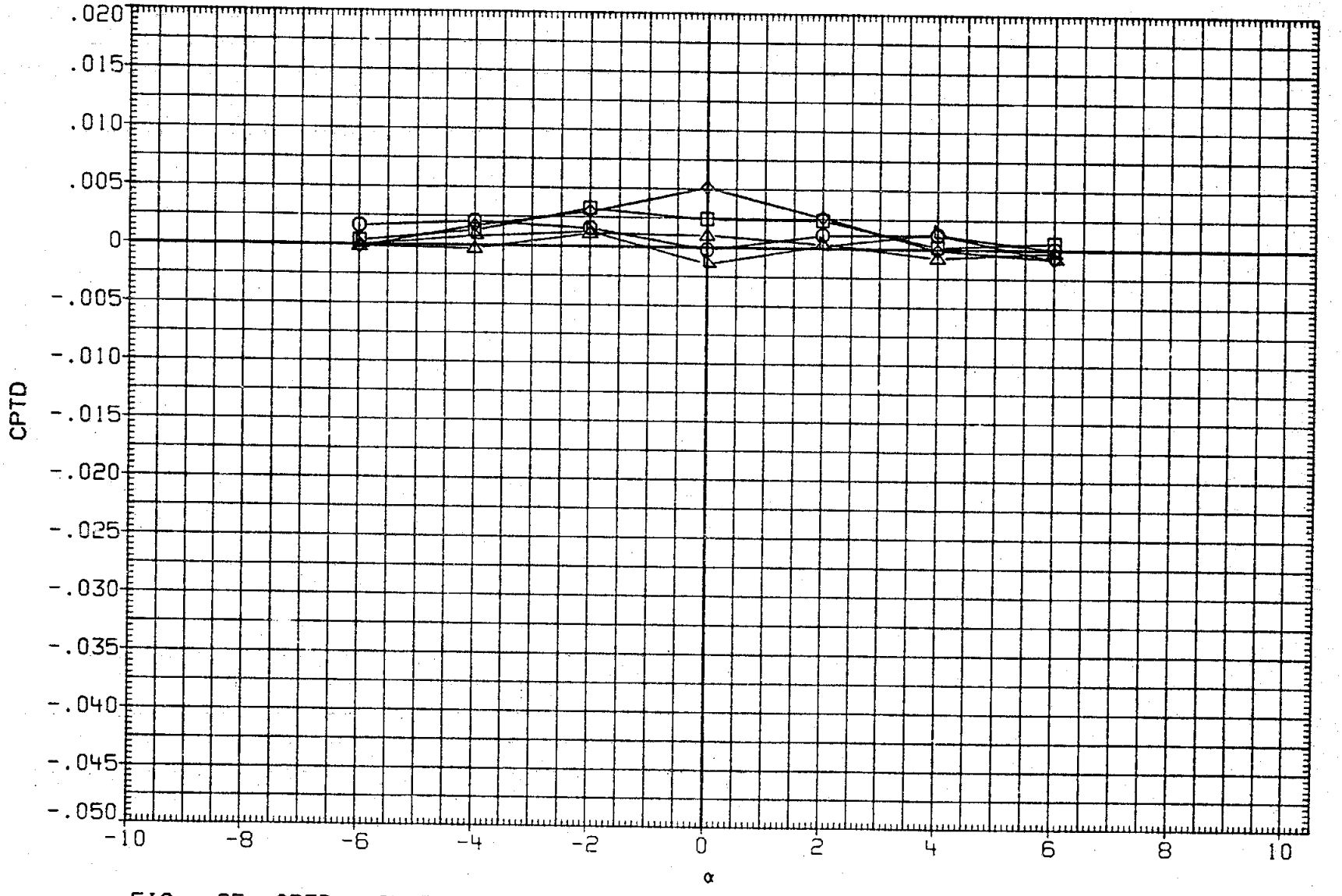

FIG. 25 CPTD CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

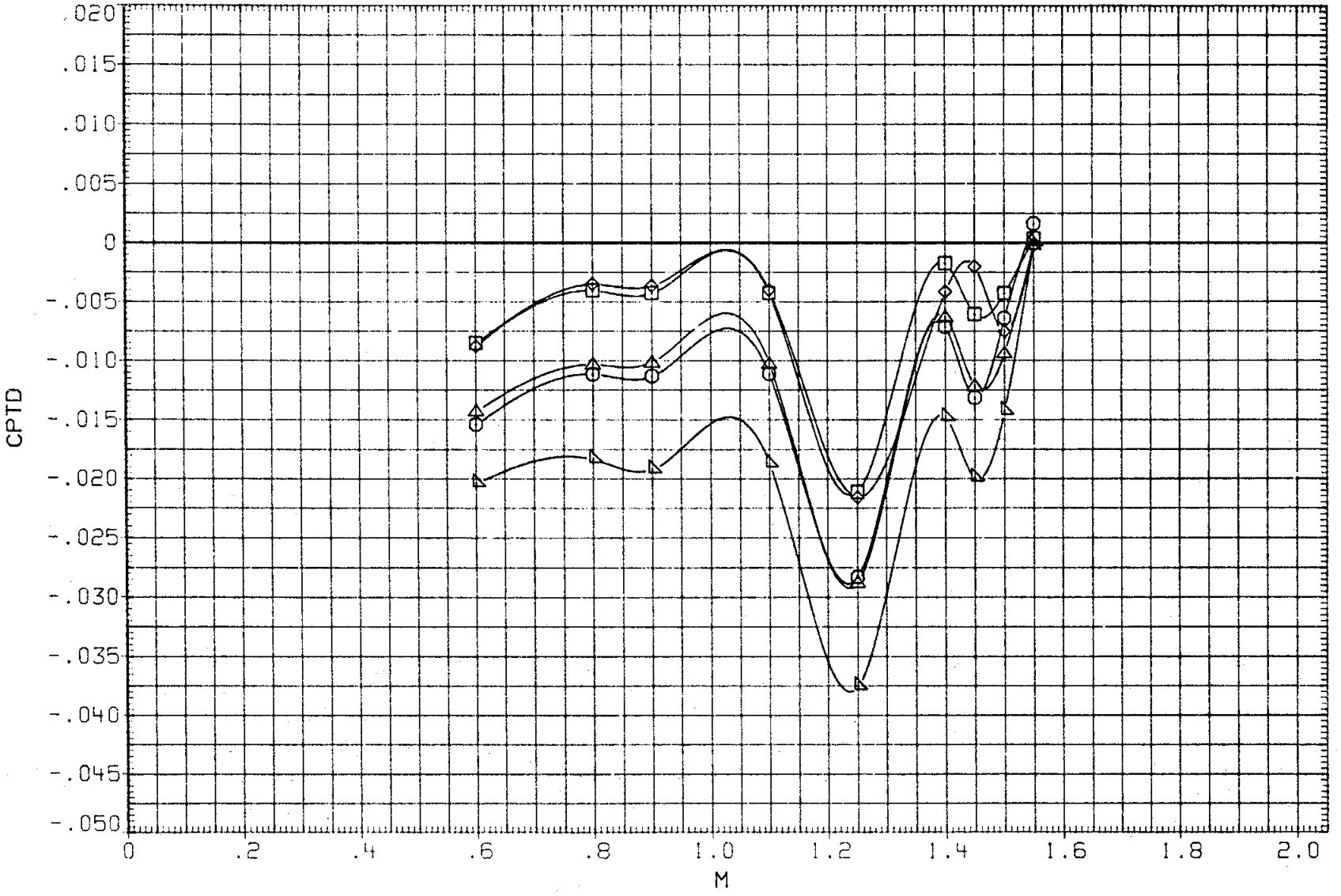

FIG. 25 CPTD CHARACTERISTICS

(A) ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

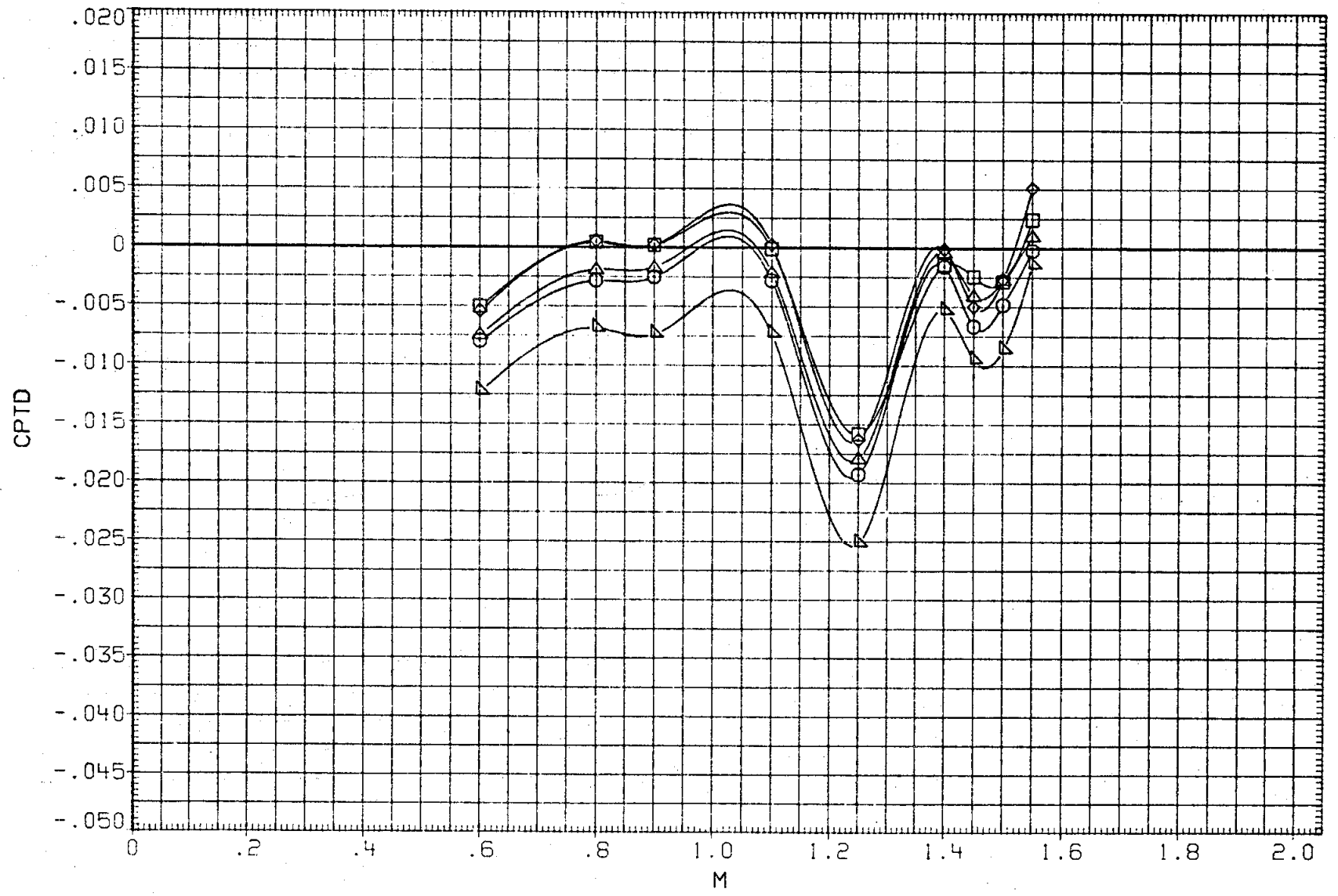

FIG. 25 CPTD CHARACTERISTICS

(B) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

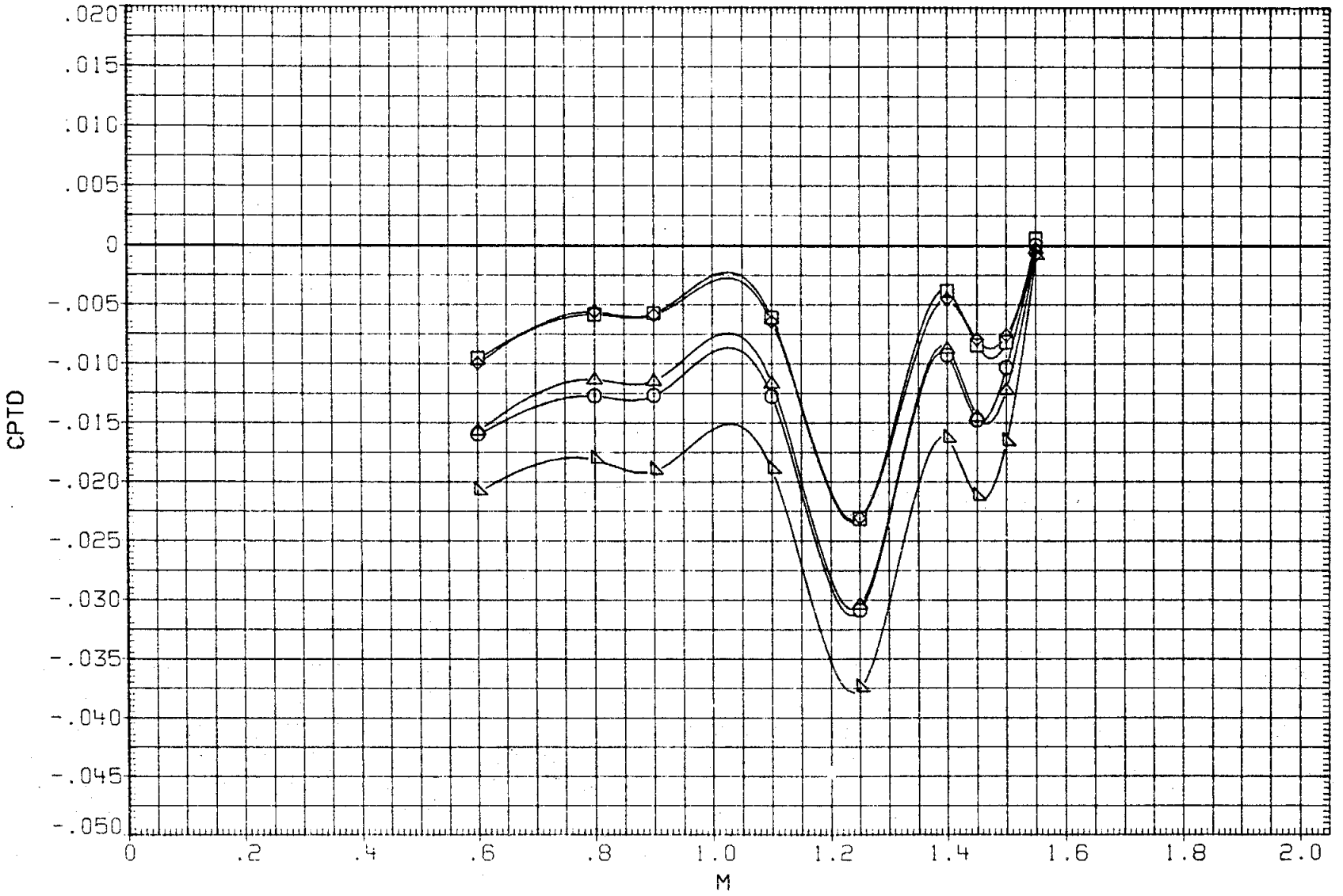

FIG. 25 CPTD CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RP55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

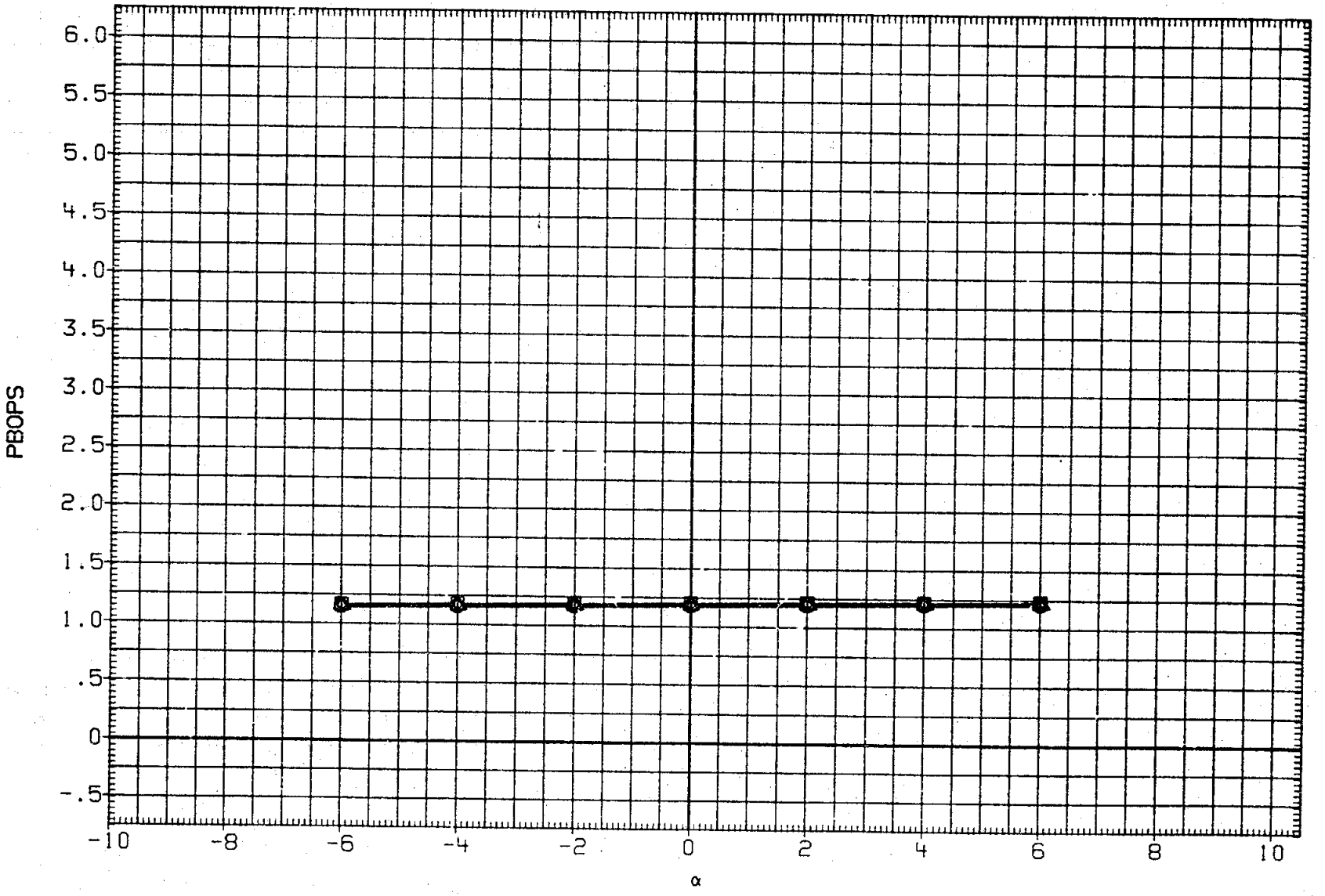

FIG. 26 PBOPS CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

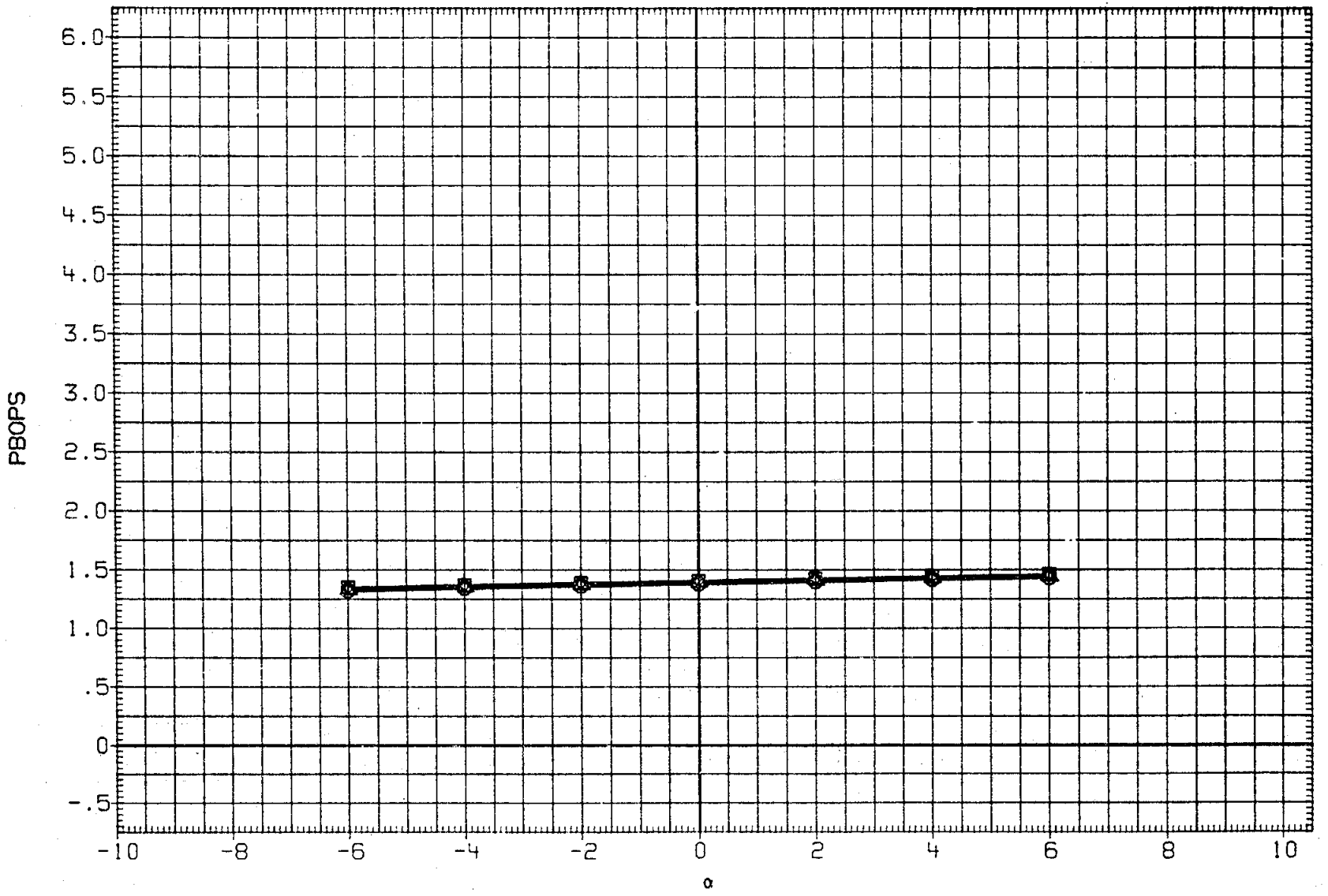

FIG. 26 PBOPS CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

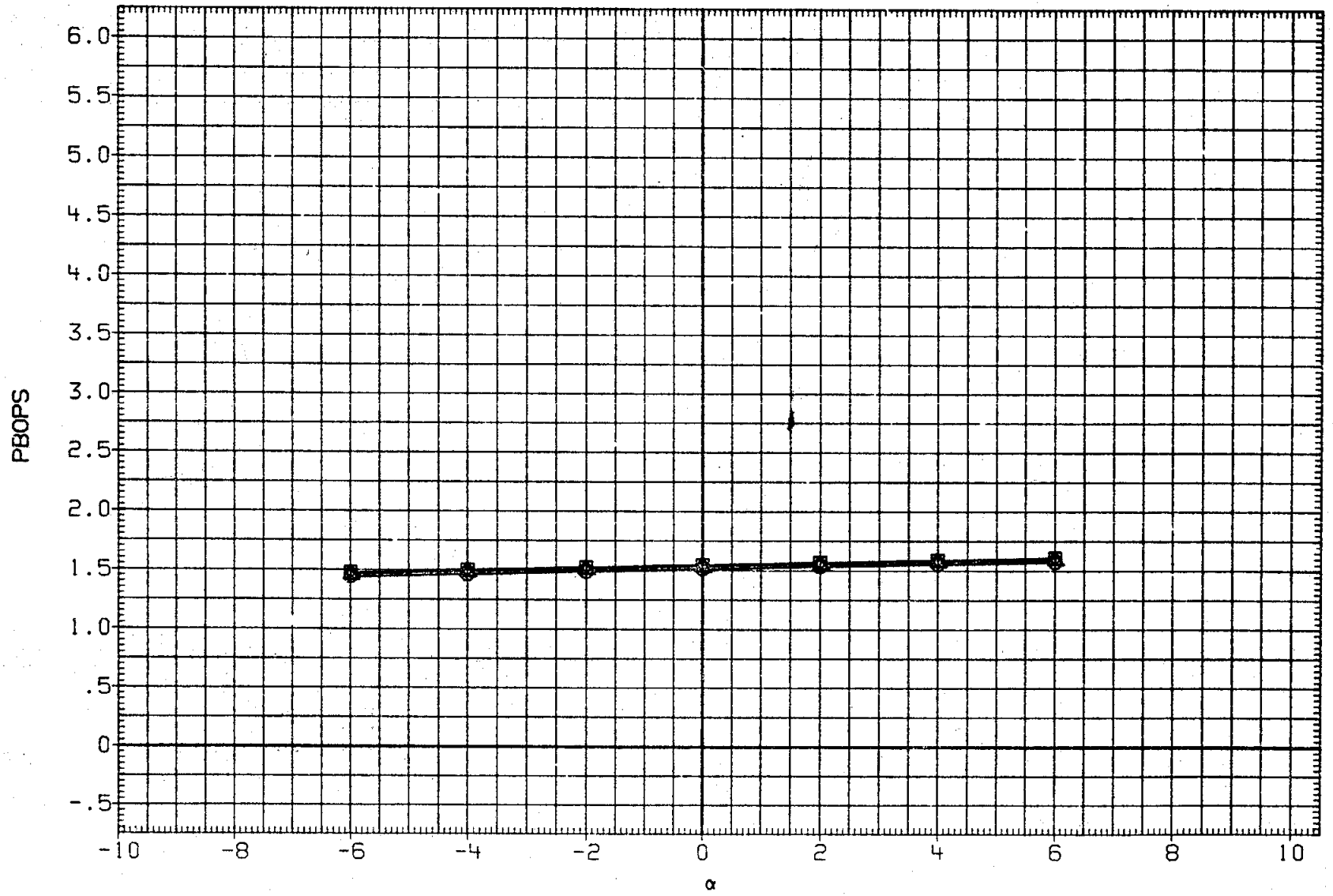

FIG. 26 PBOPS CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

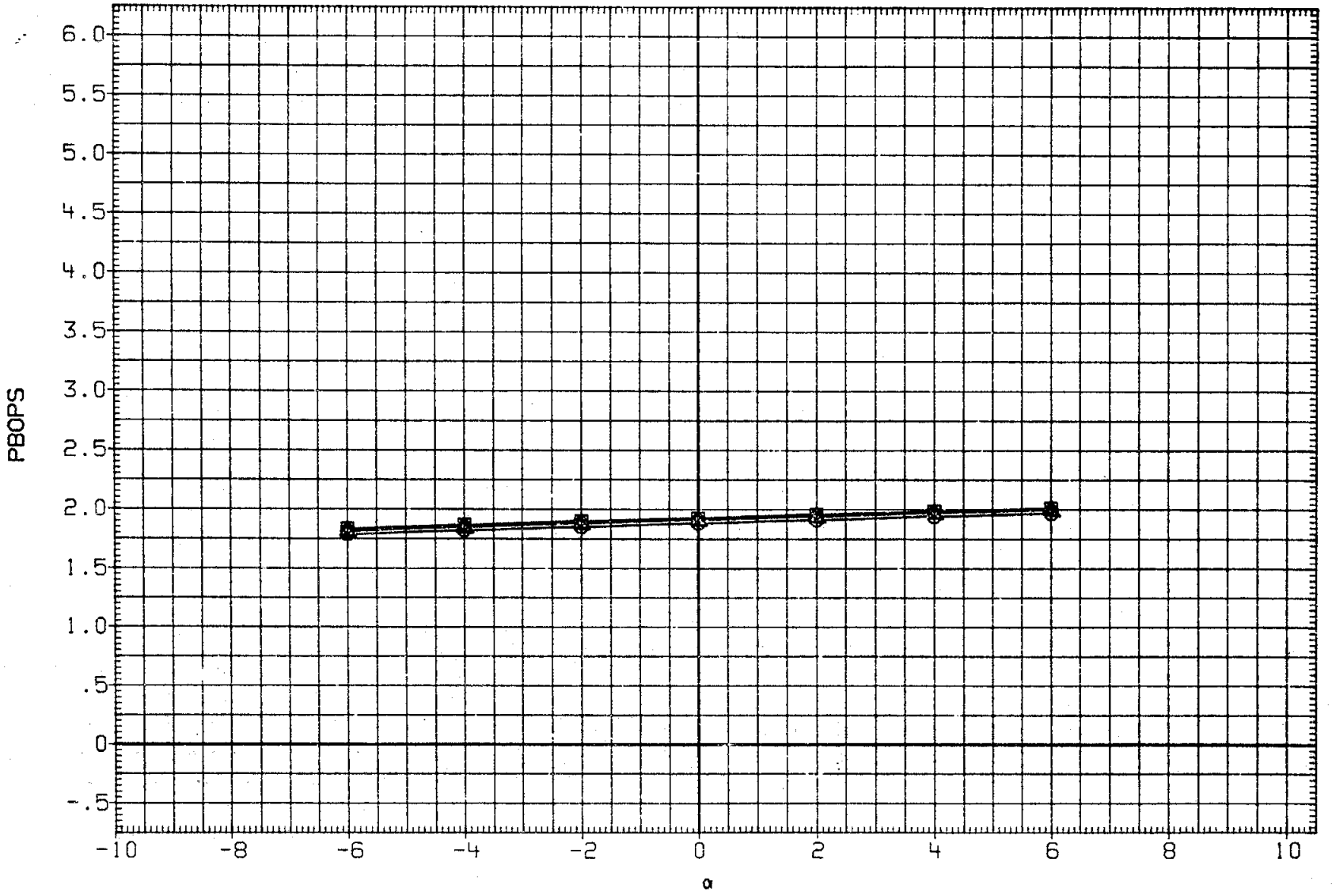

FIG. 26 PBOPS CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

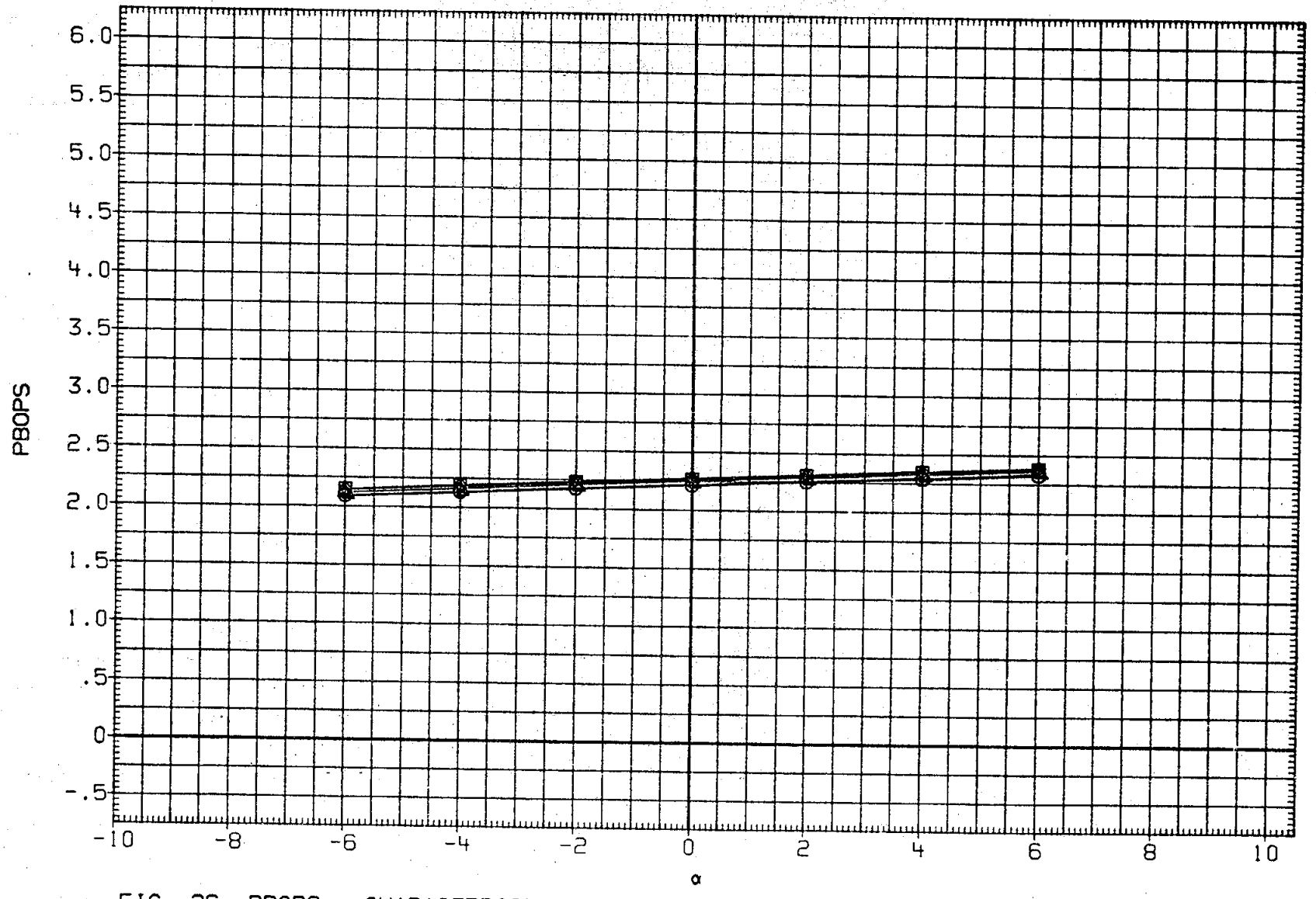

FIG. 26 PBOPS CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

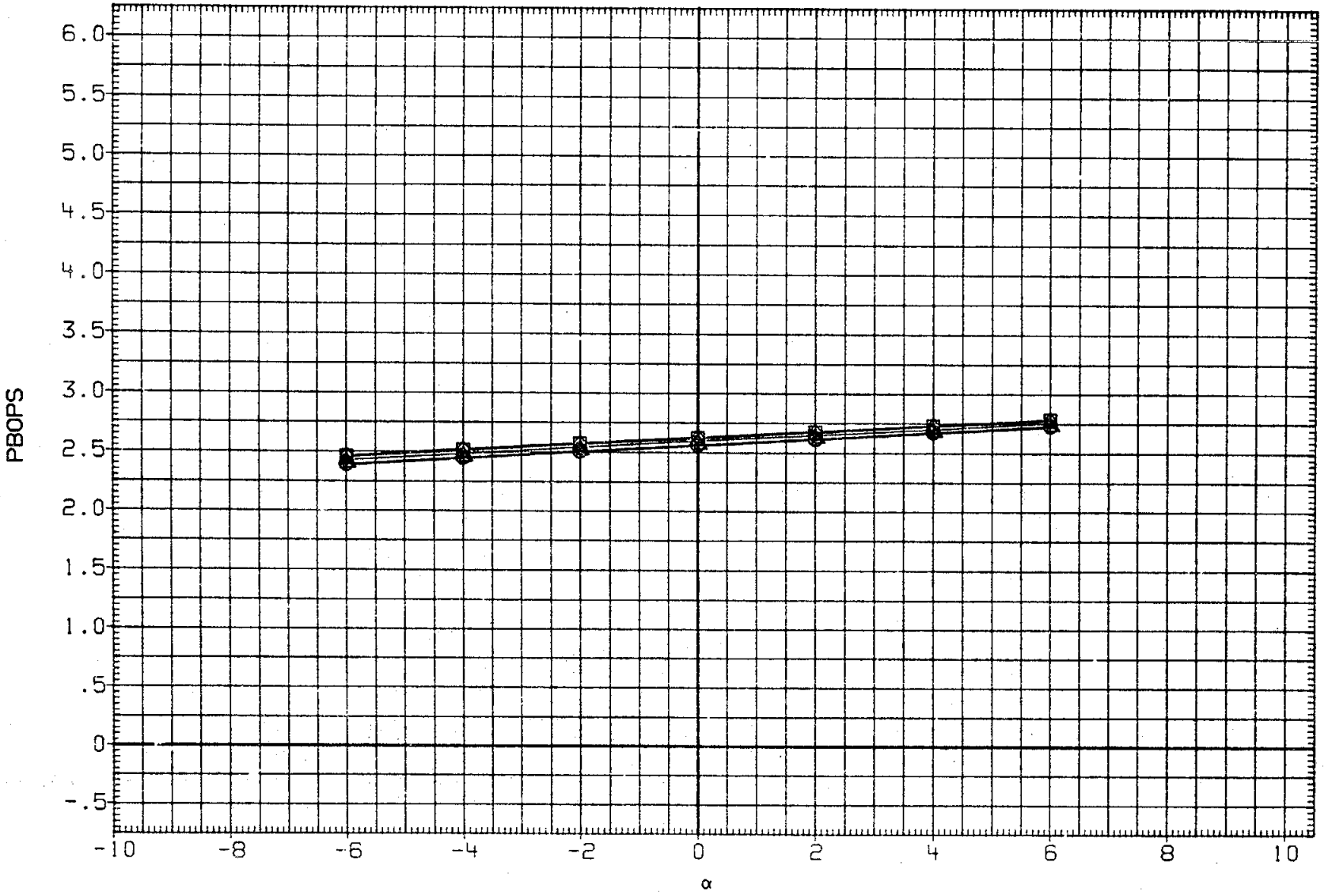

FIG. 26 PBOPS CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

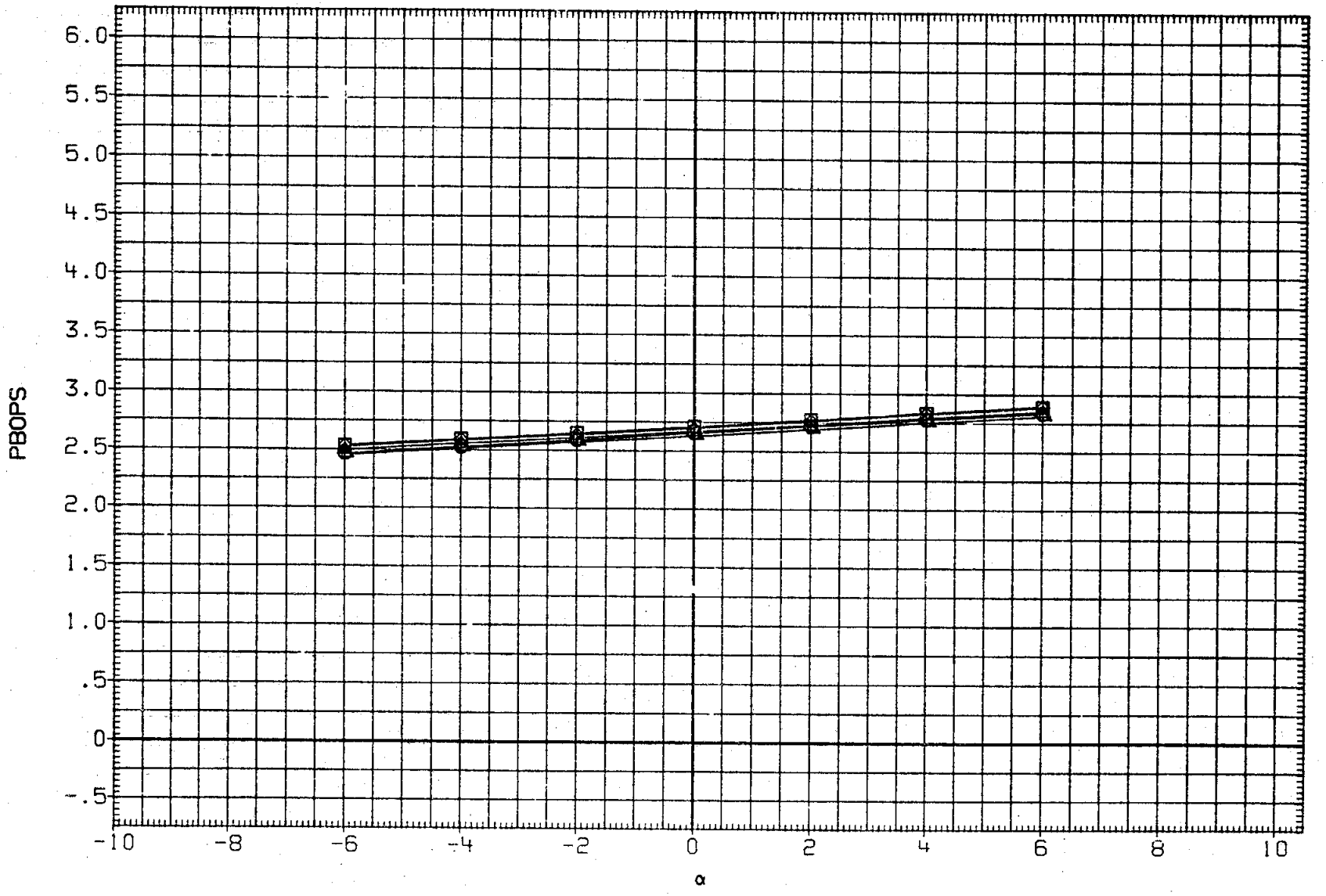

FIG. 26 PBOPS CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

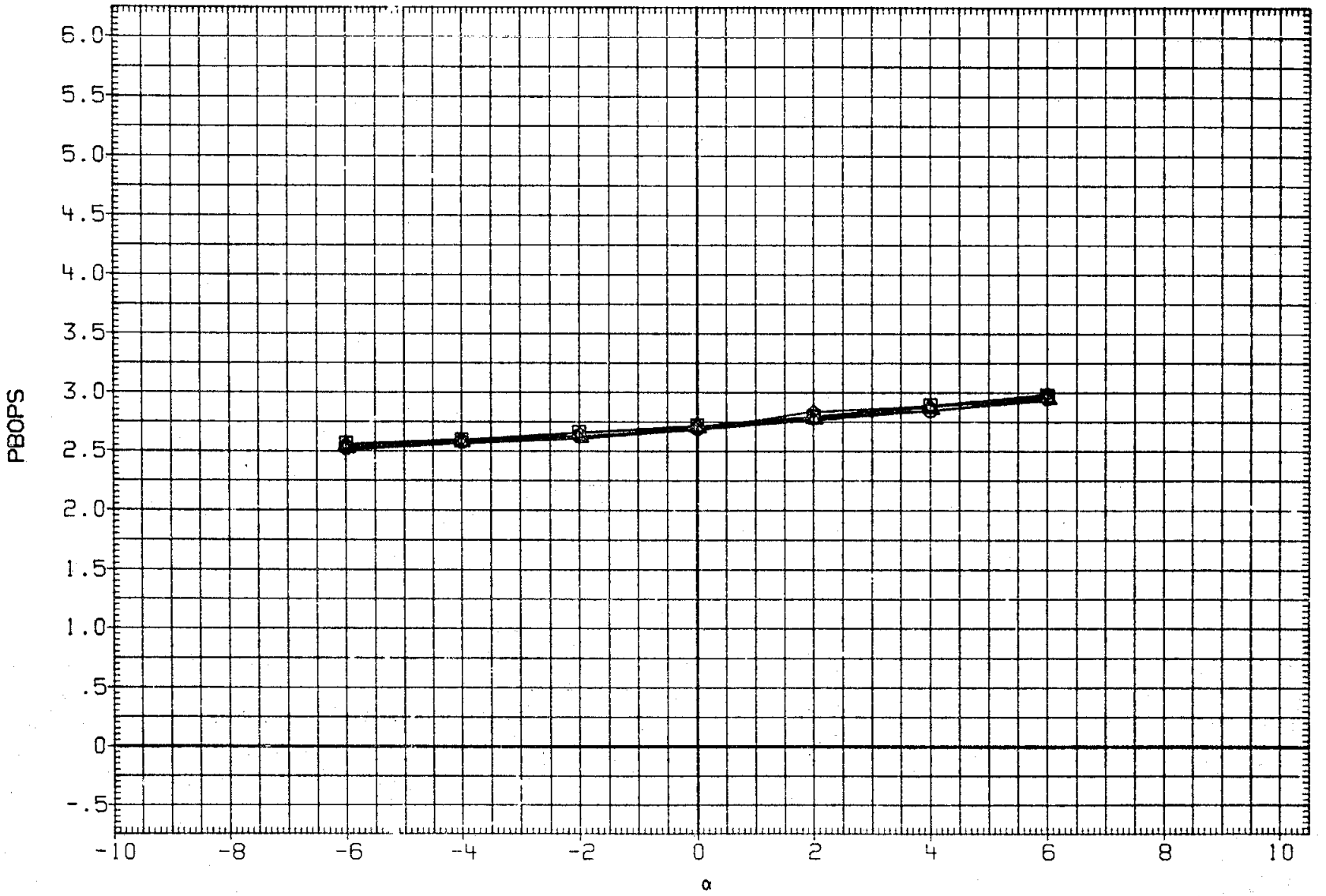

FIG. 26 PBOPS CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

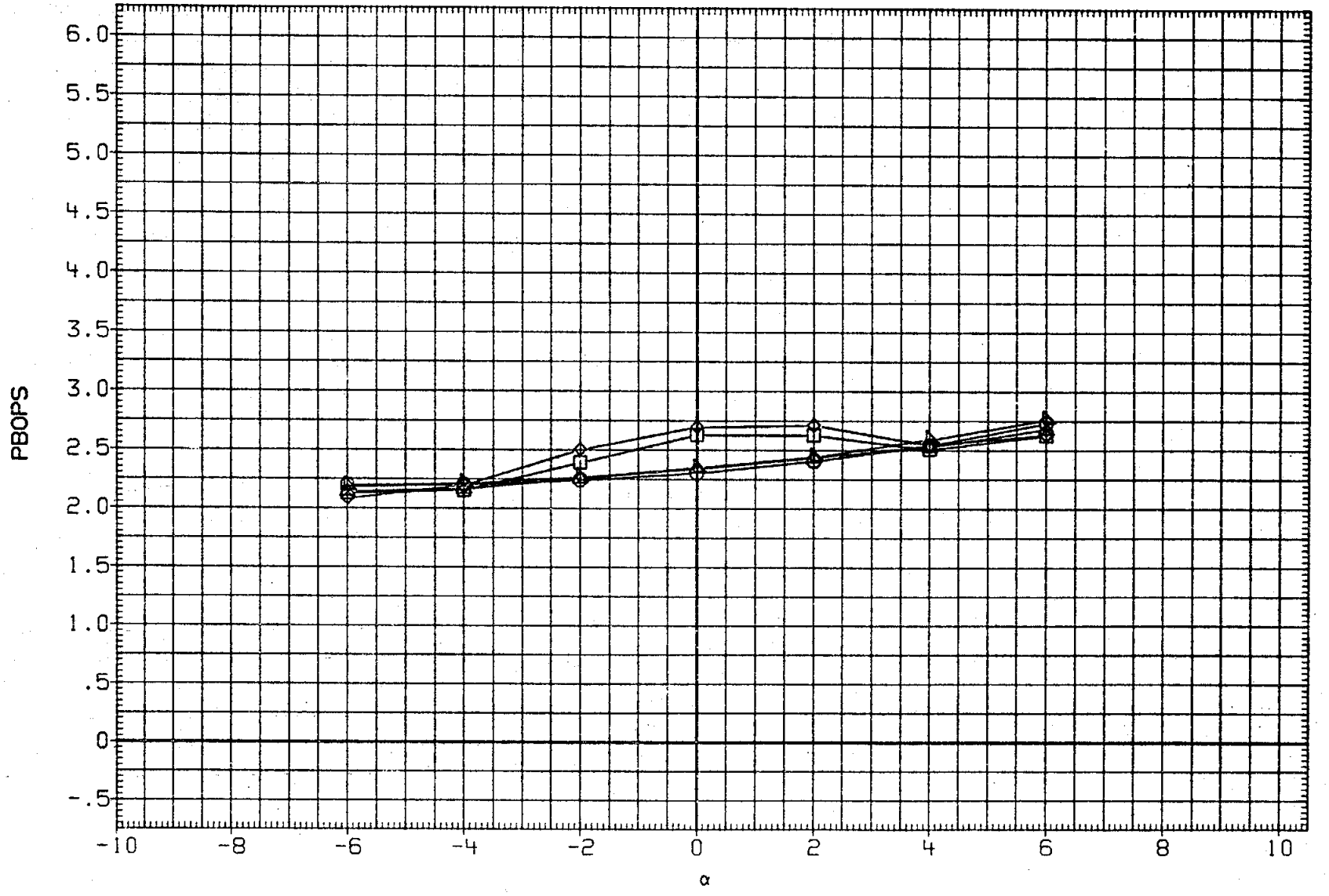

FIG. 26 PBOPS CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	(A)32(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	(A)32(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	(A)32(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	(A)32(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	(A)32(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

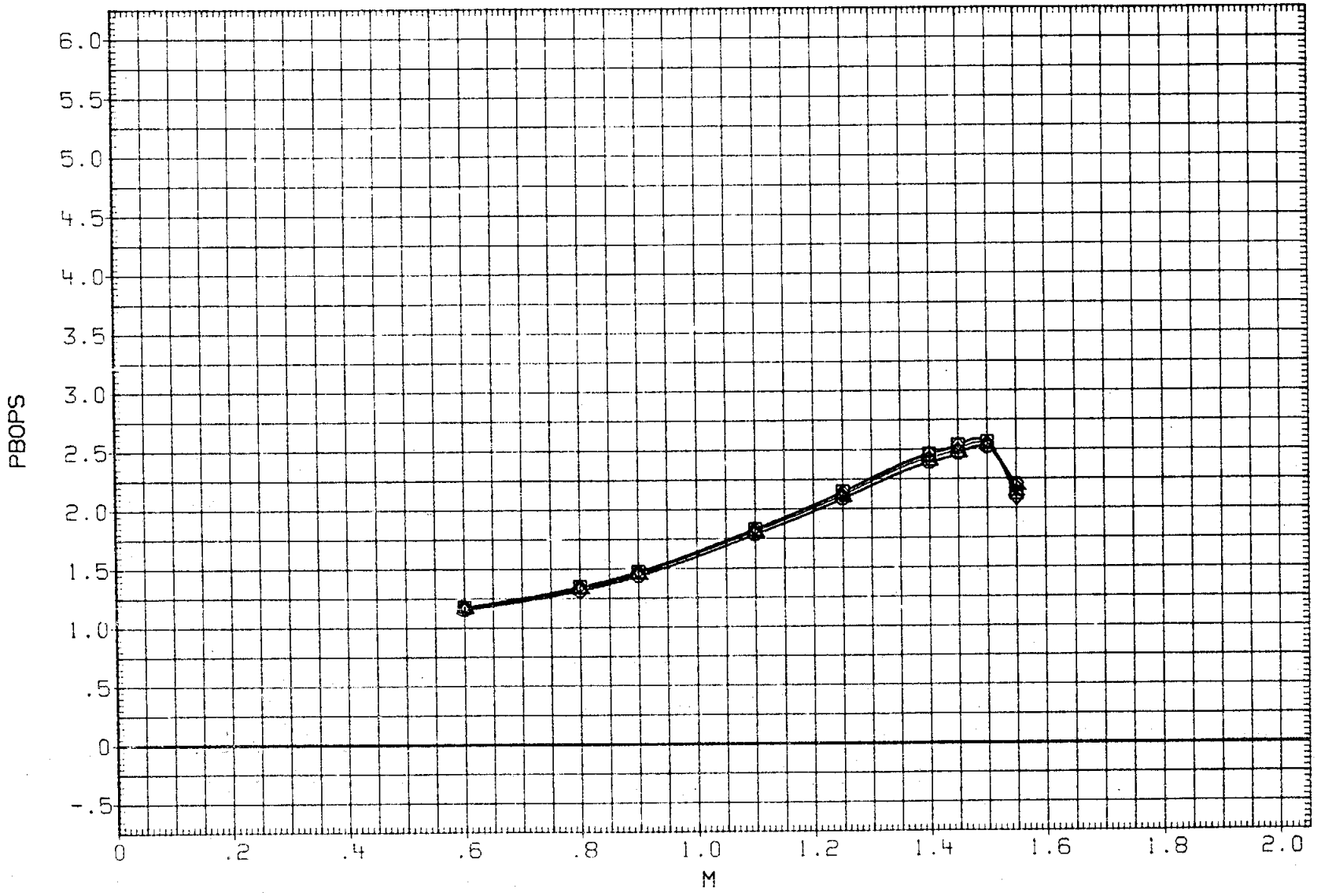

FIG. 26 PBOPS CHARACTERISTICS

(A)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

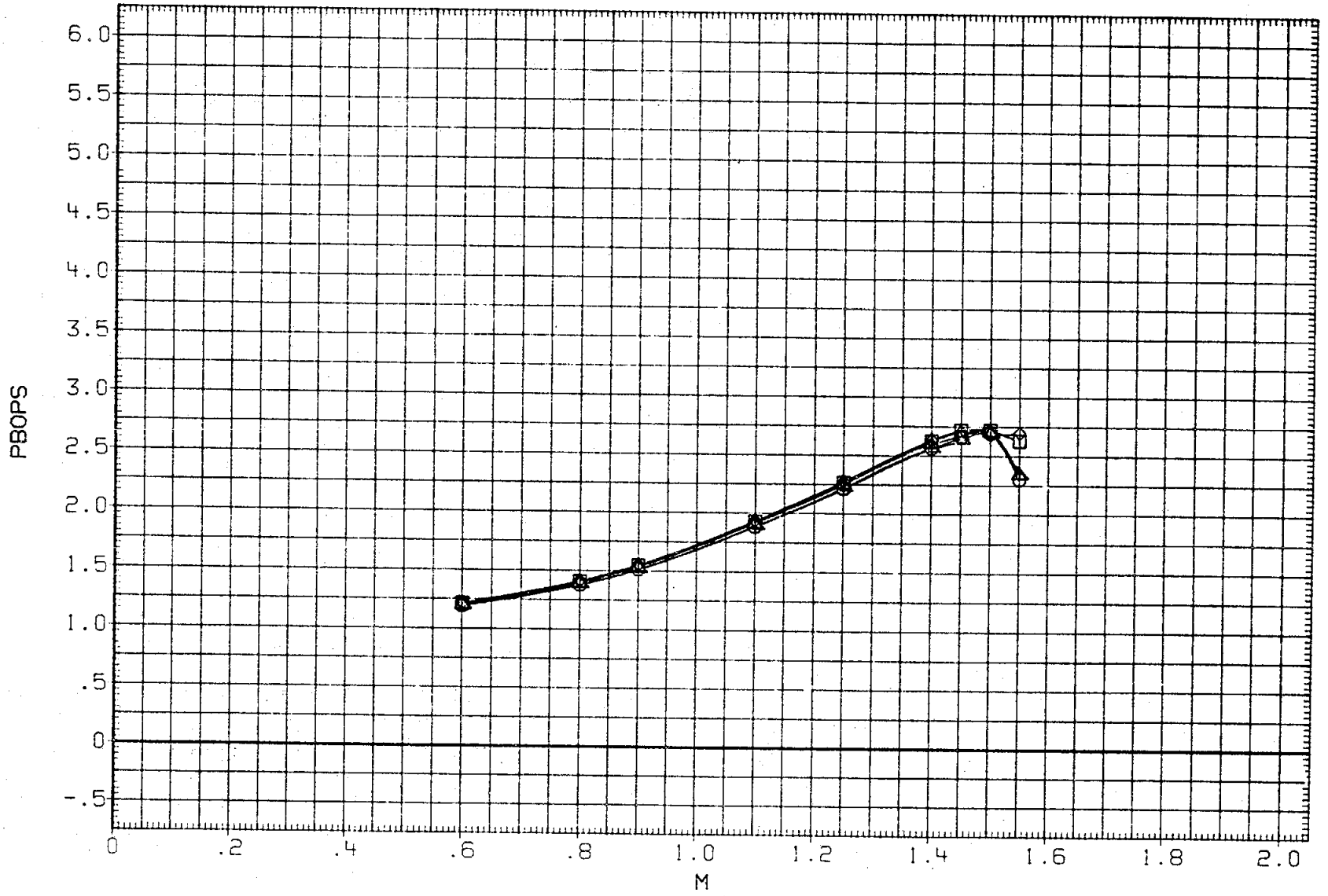

FIG. 26 PBOPS CHARACTERISTICS

(B) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

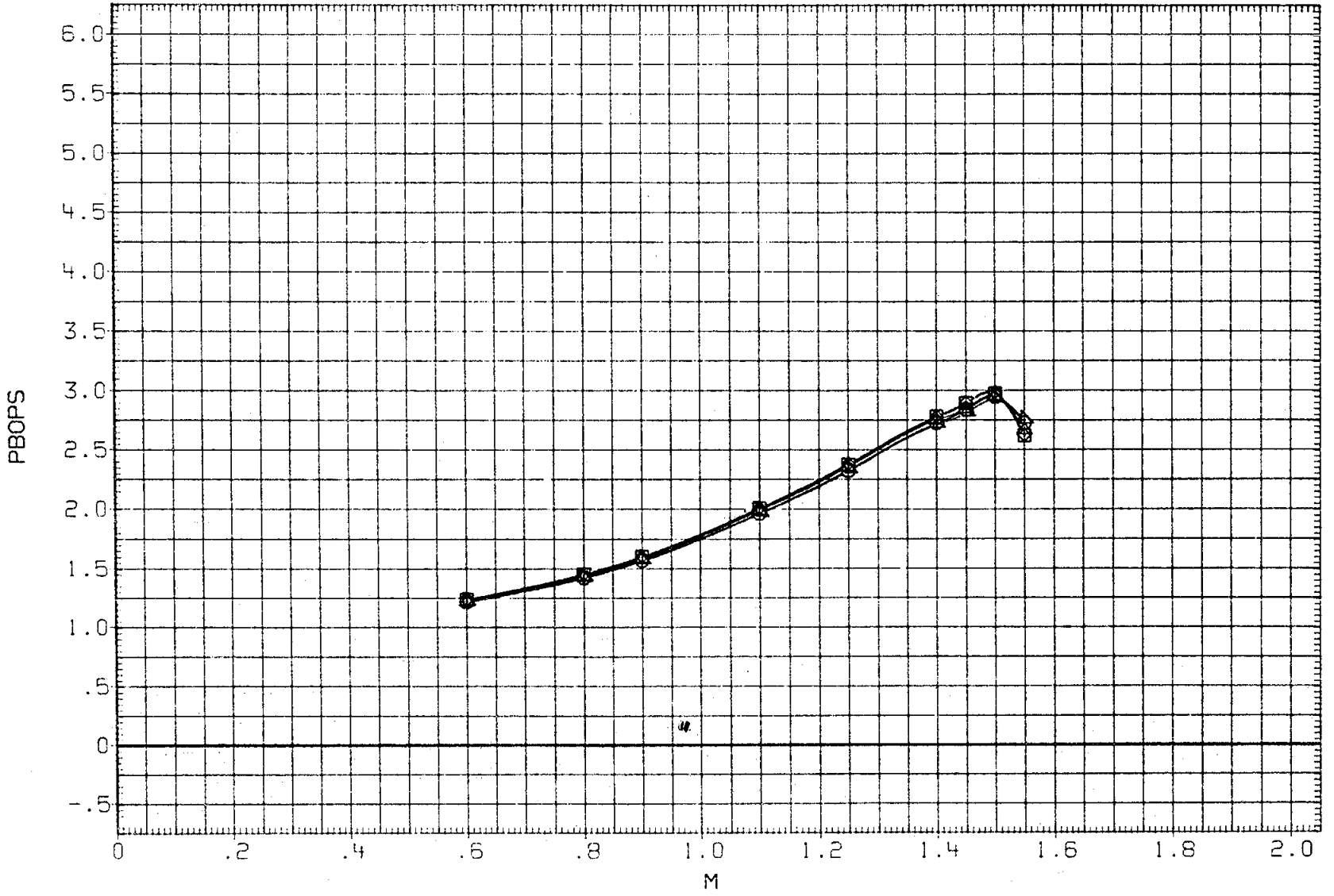

FIG. 26 PBOPS CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

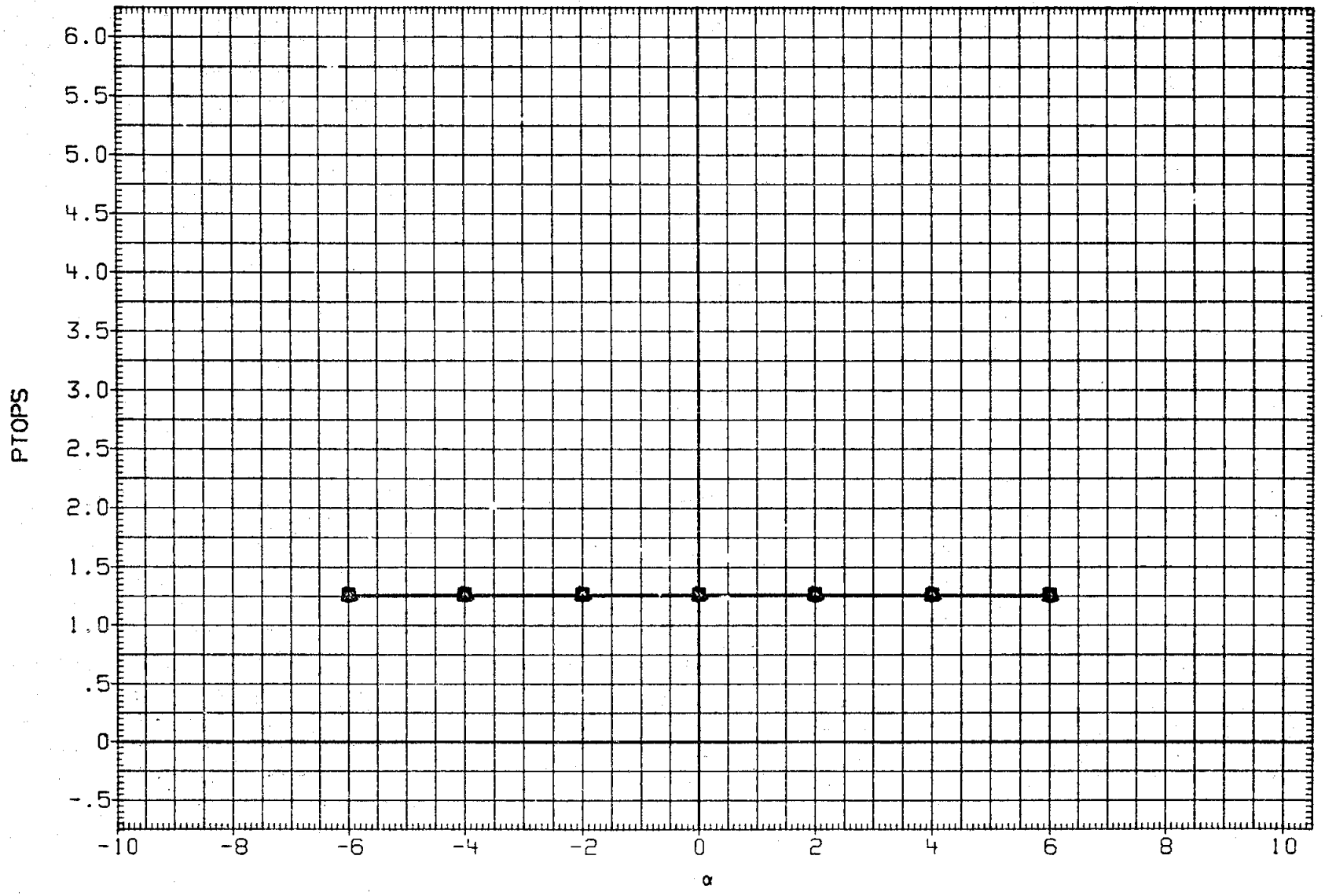

FIG. 27 PTOPS CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

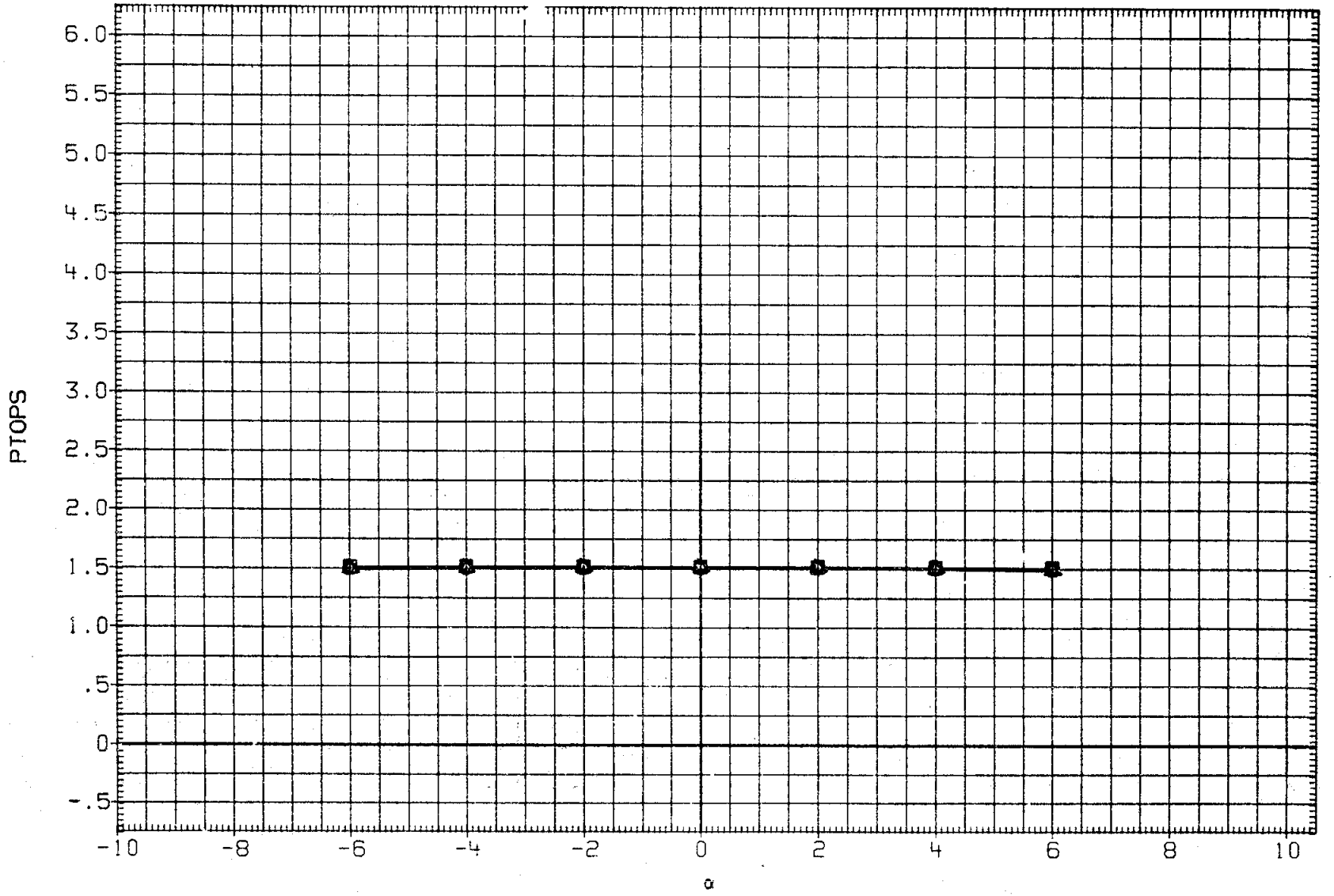

FIG. 27 PTOPS CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

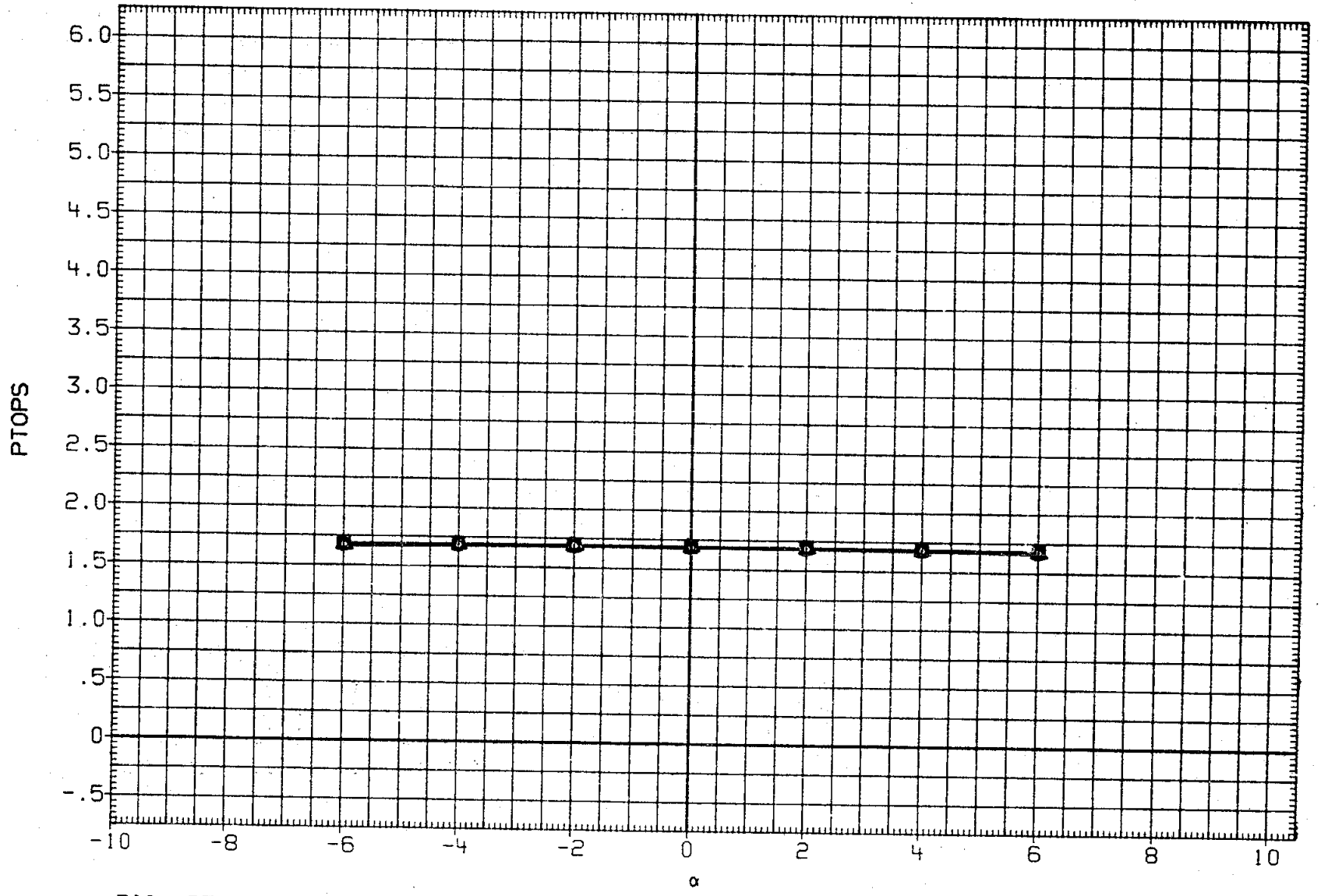

FIG. 27 PTOPS CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

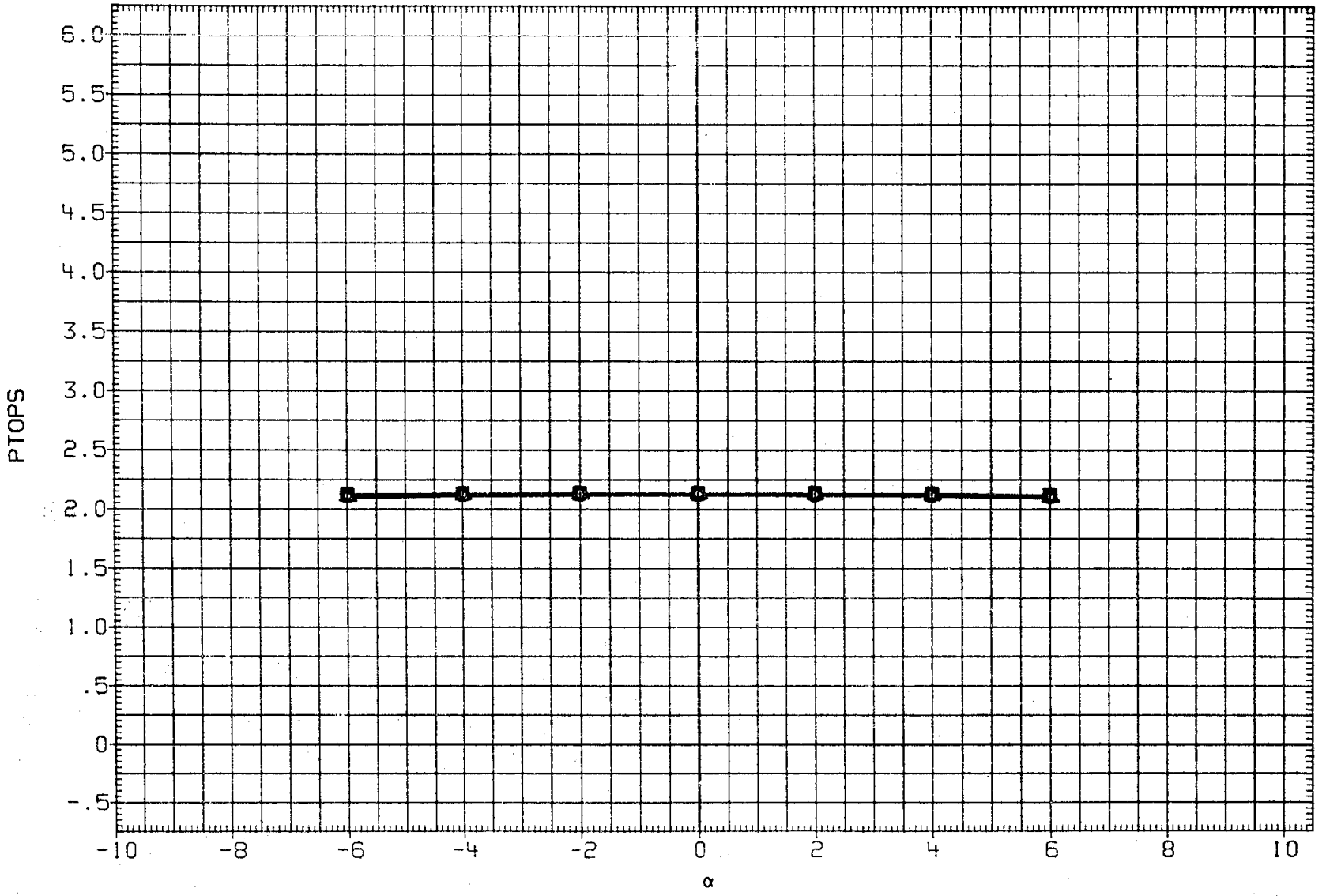

FIG. 27 PTOPS CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

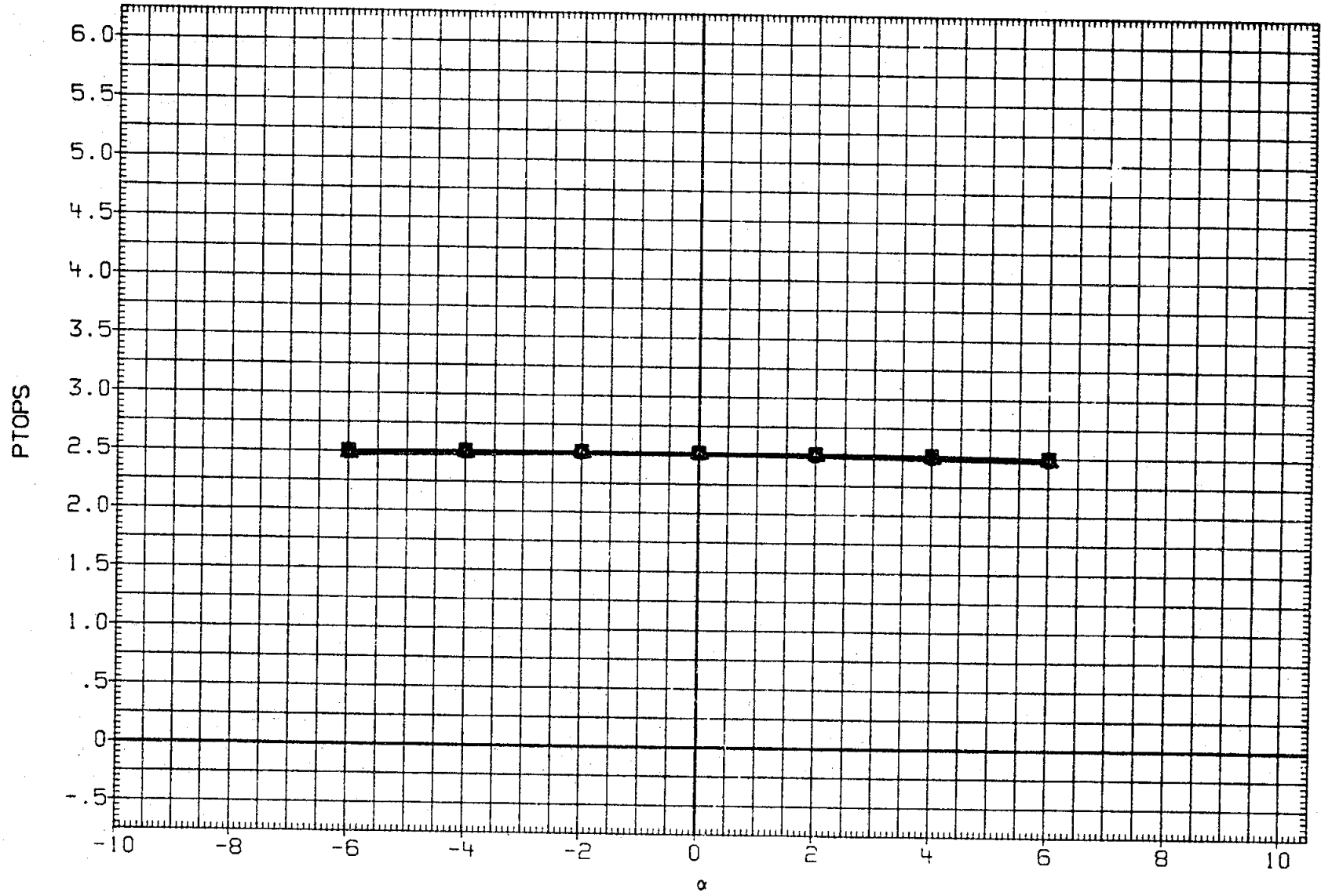

FIG. 27 PTOPS CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

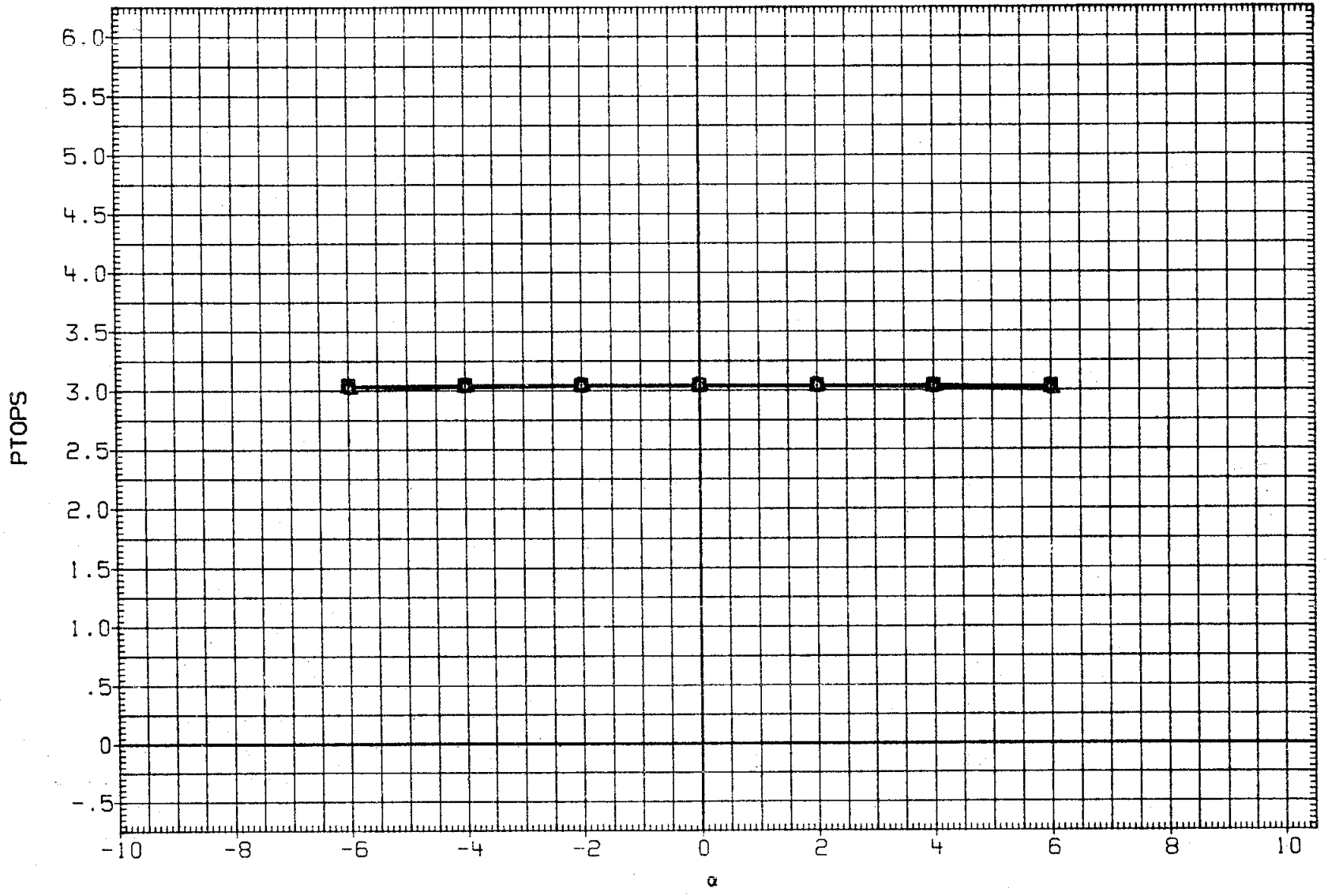

FIG. 27 PTOPS CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

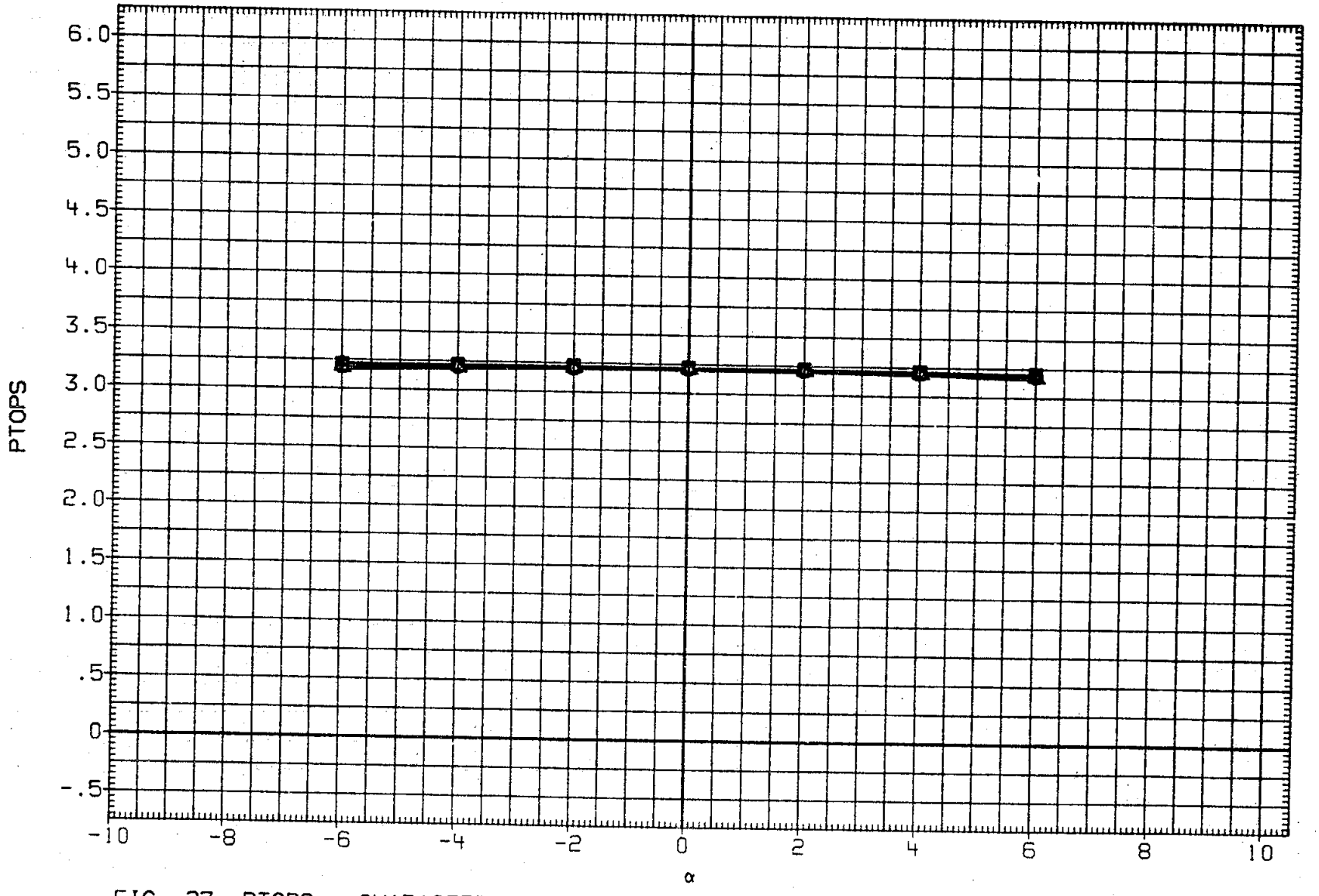

FIG. 27 PTOPS CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

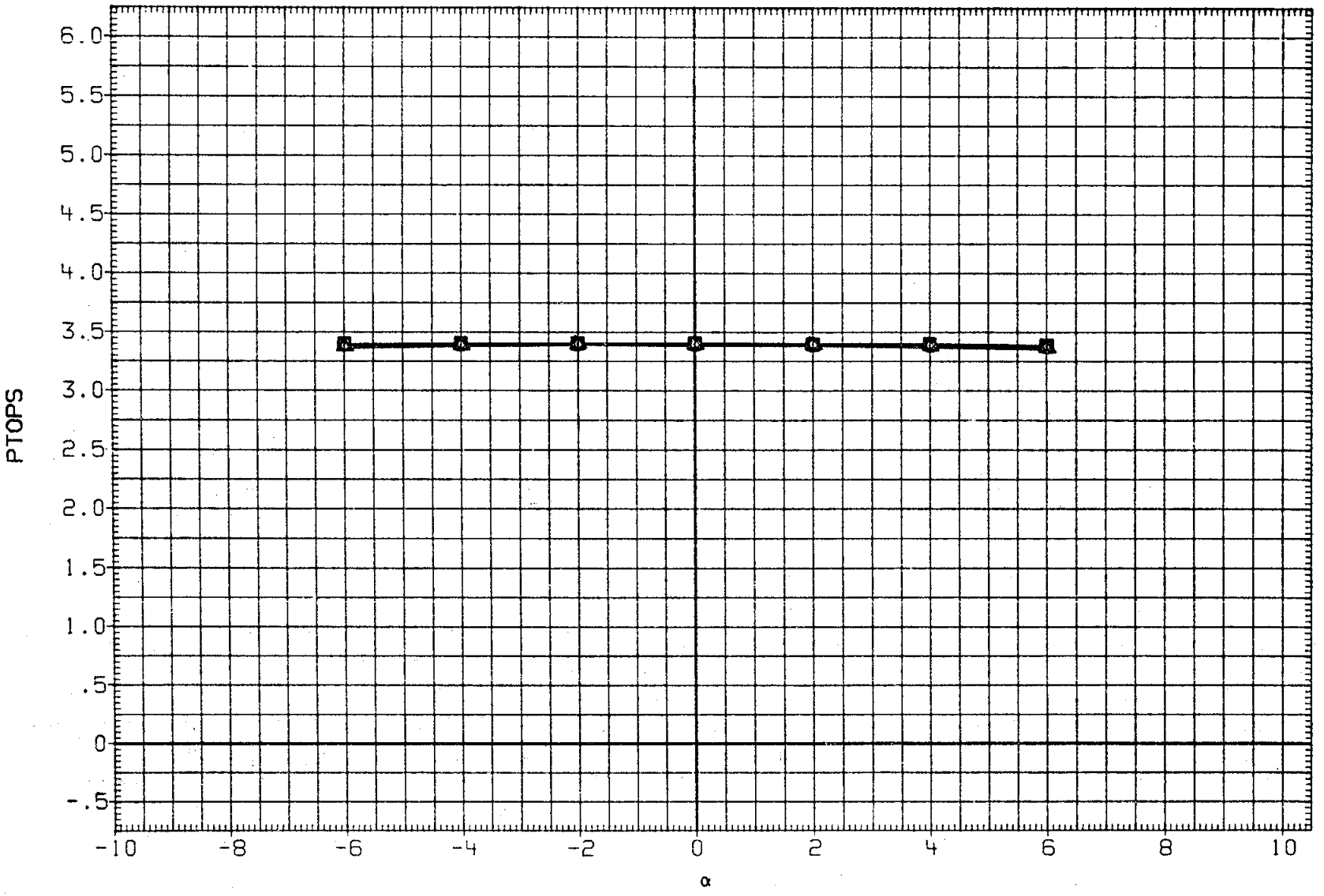

FIG. 27 PTOPS CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

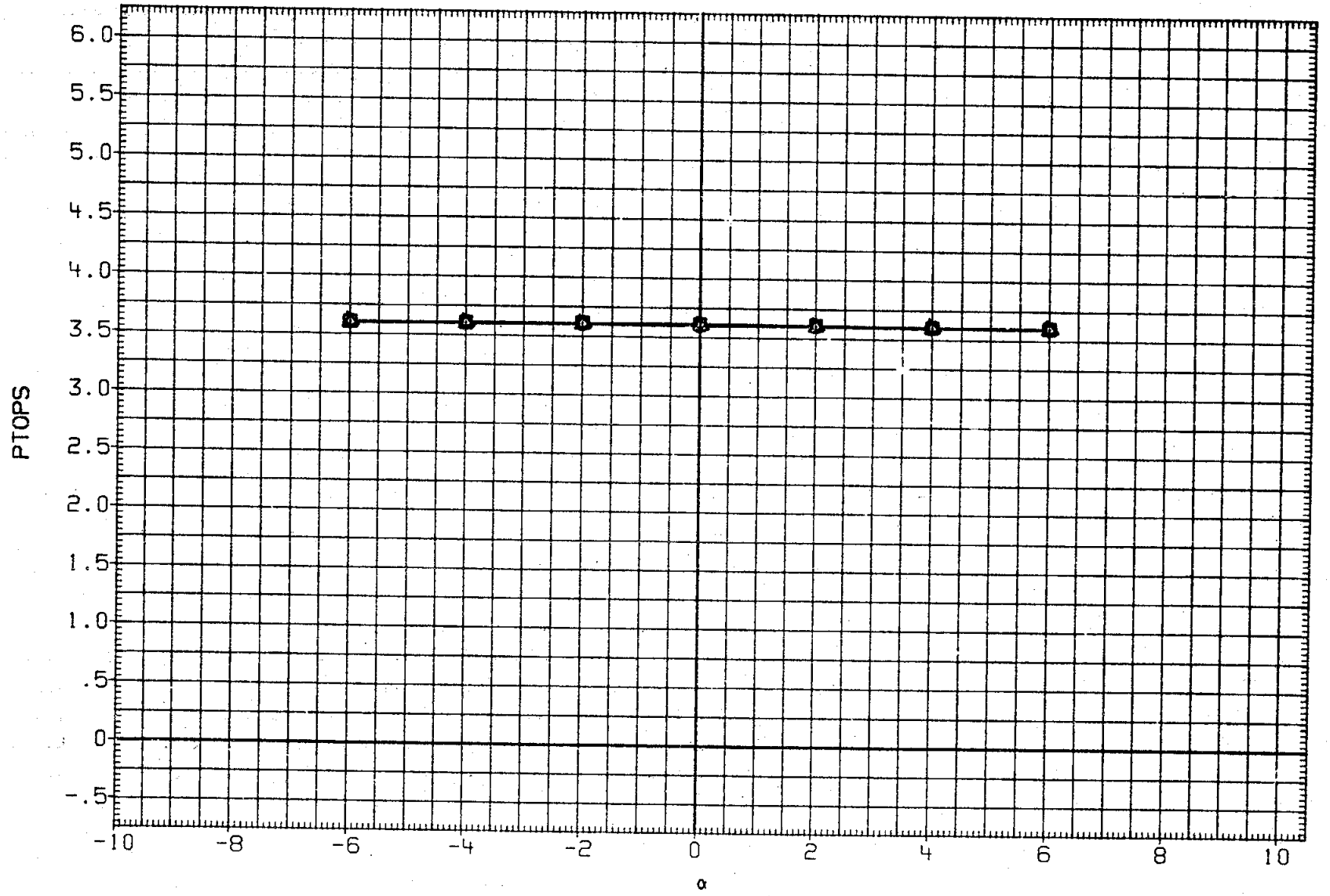

FIG. 27 PTOPS CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

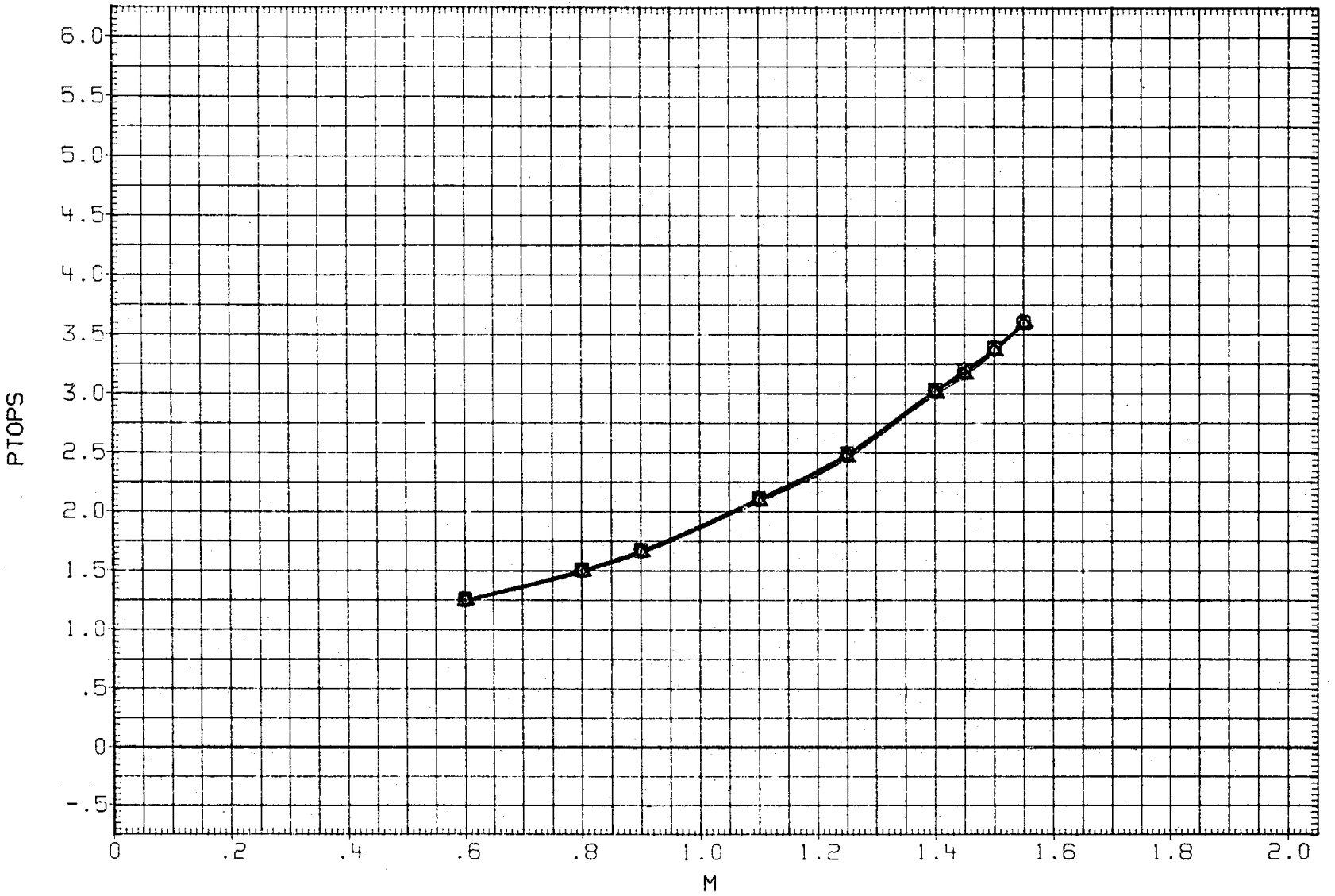

FIG. 27 PTOPS CHARACTERISTICS

(A)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

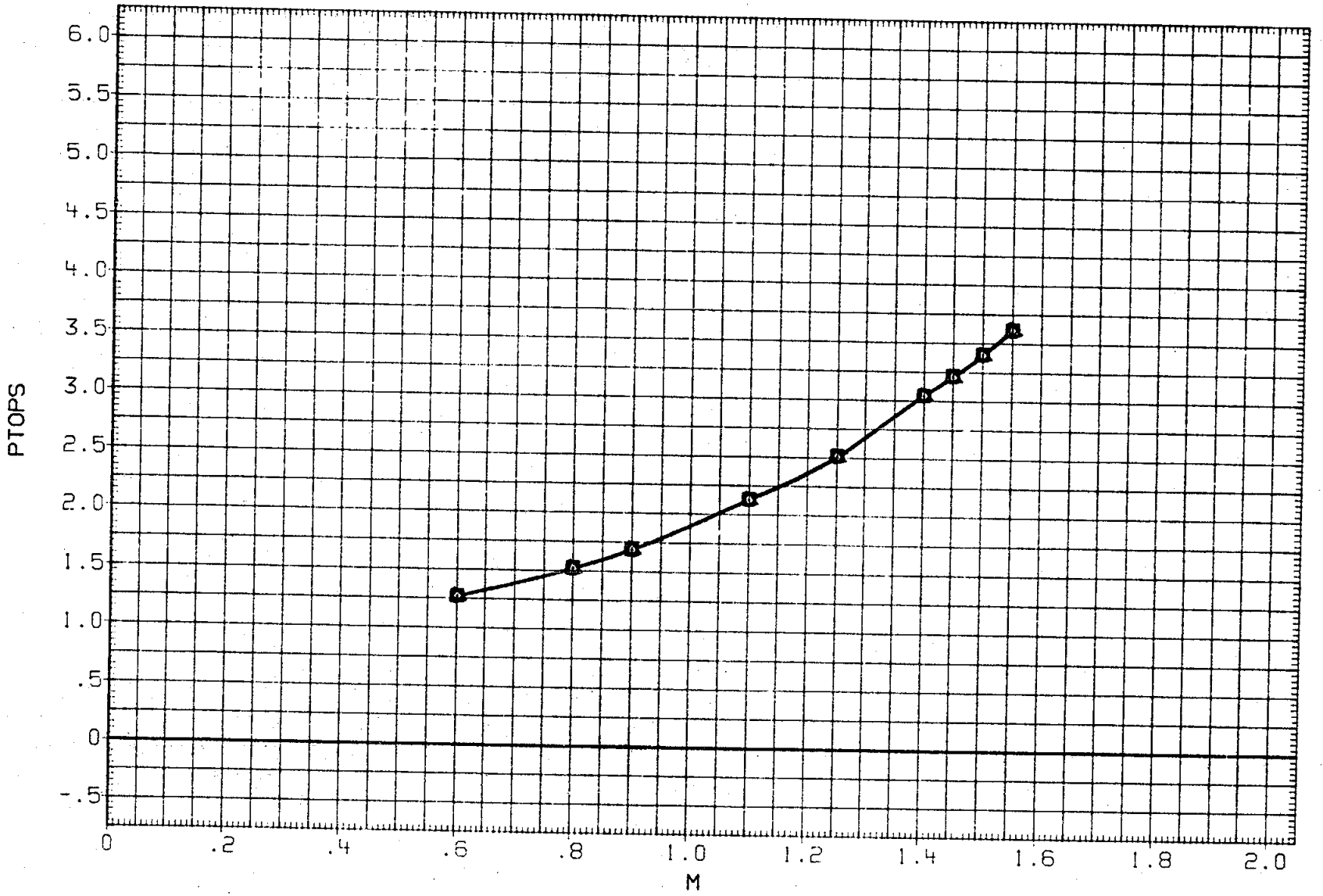

FIG. 27 PTOPS CHARACTERISTICS

(B) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

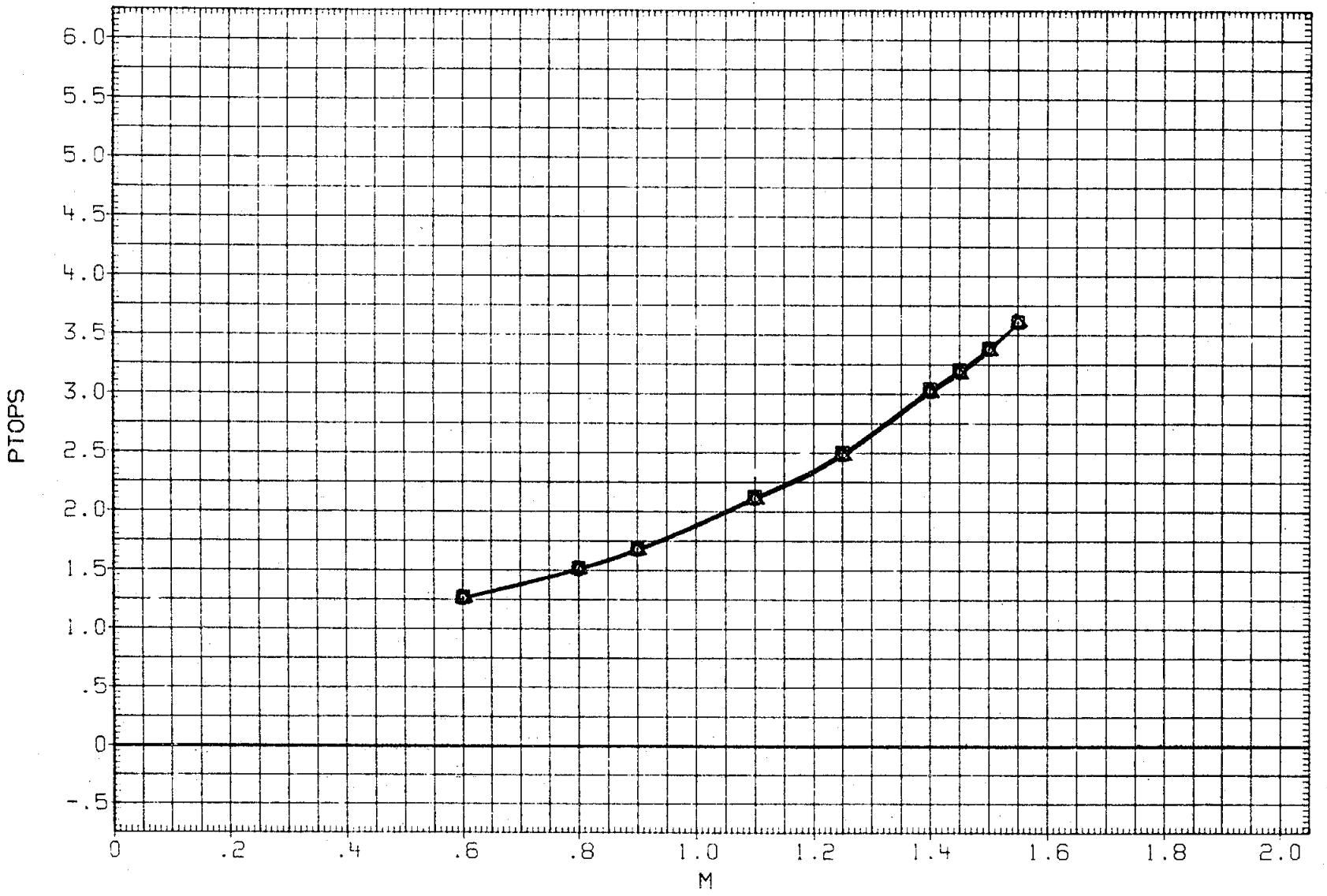

FIG. 27 PTOPS CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

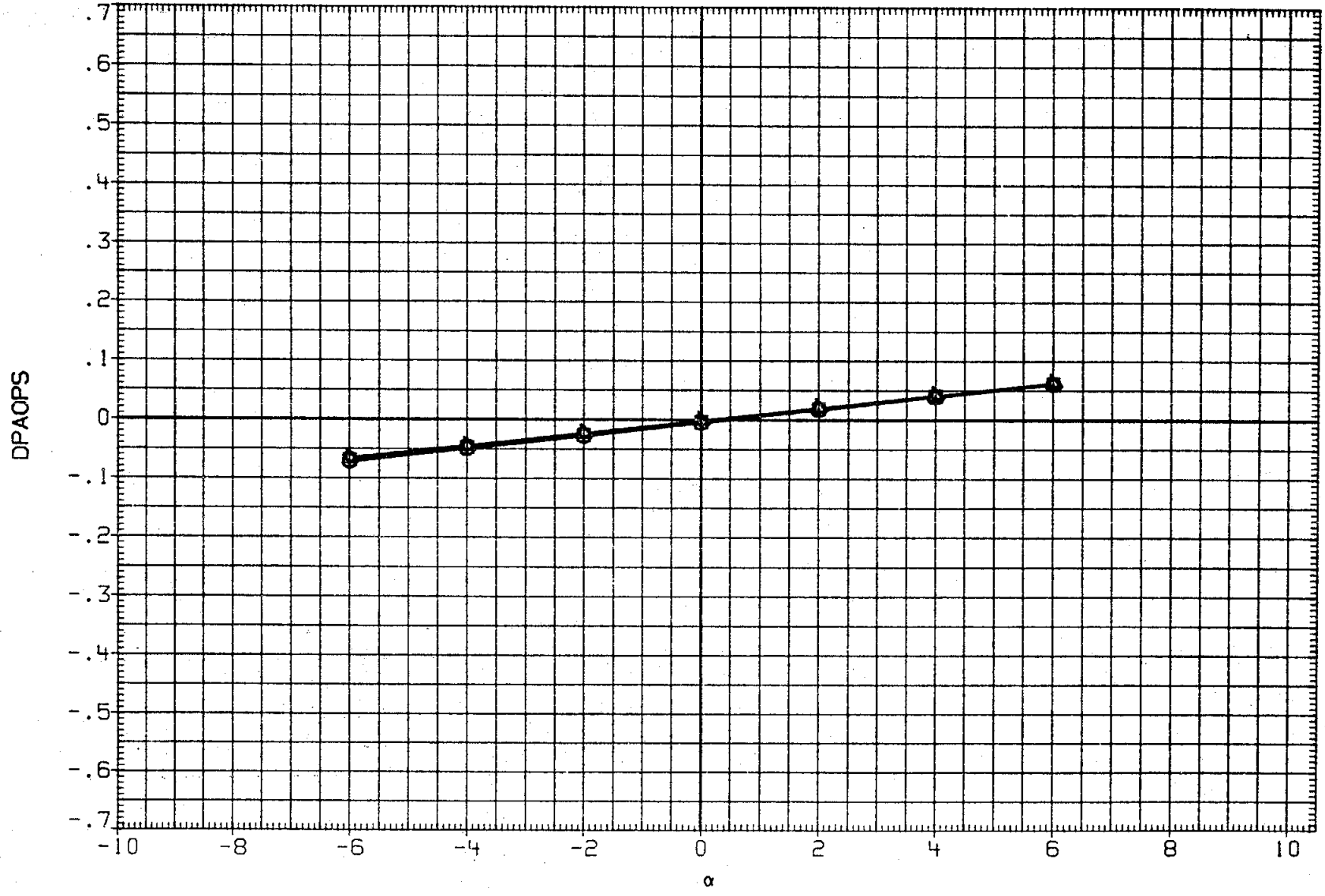

FIG. 28 DPAOPS CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

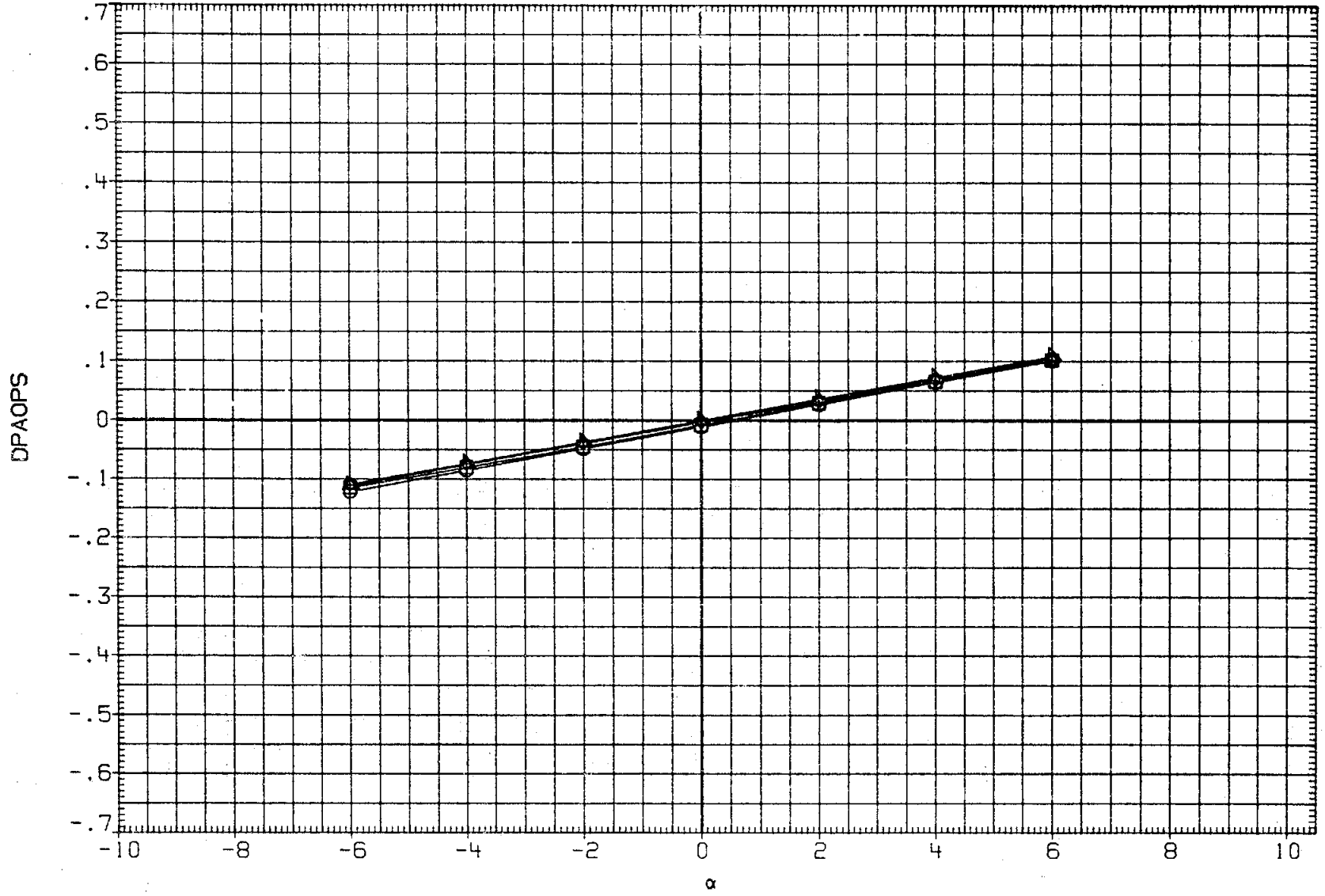

FIG. 28 DPAOPS CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

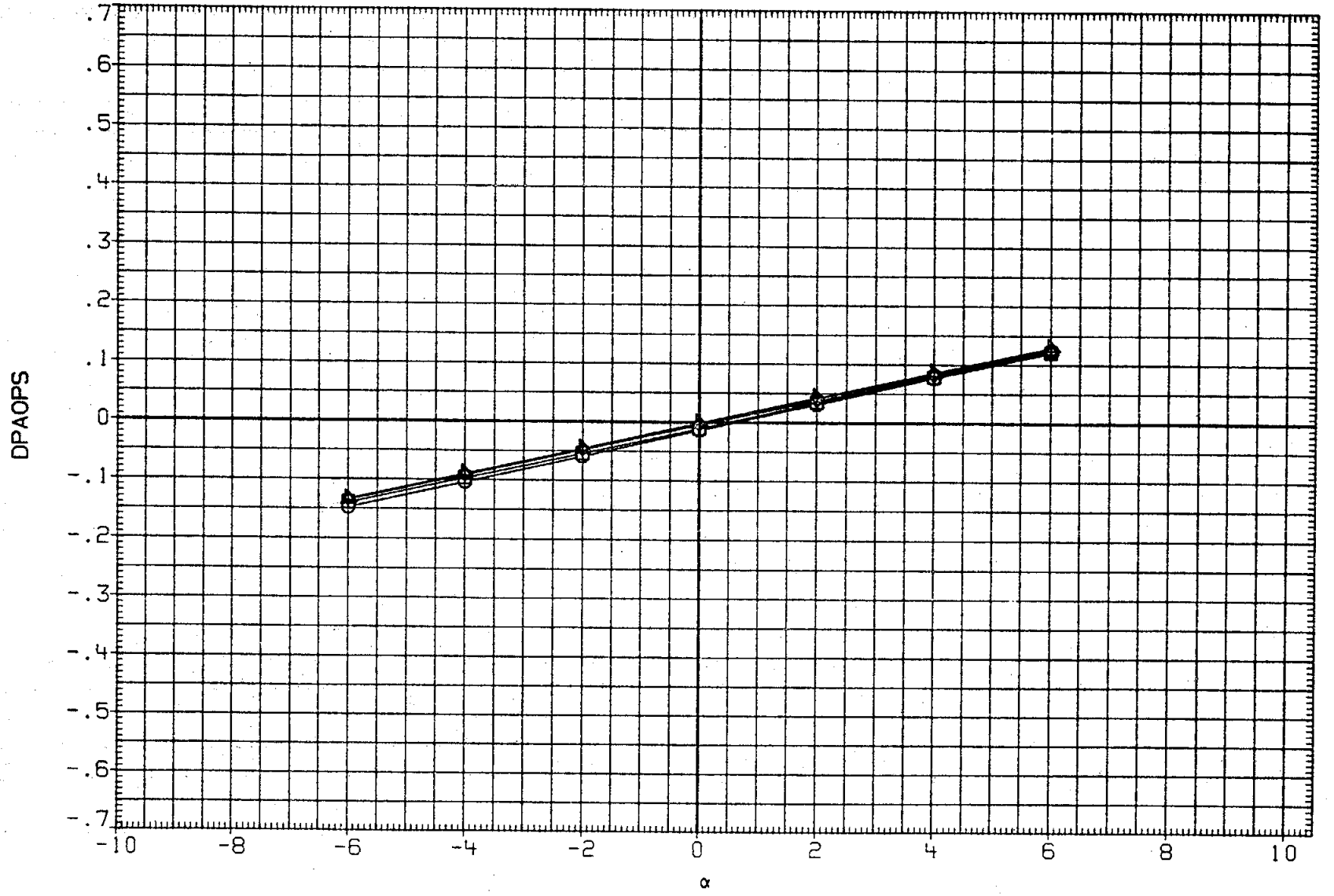

FIG. 28 DPAOPS CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

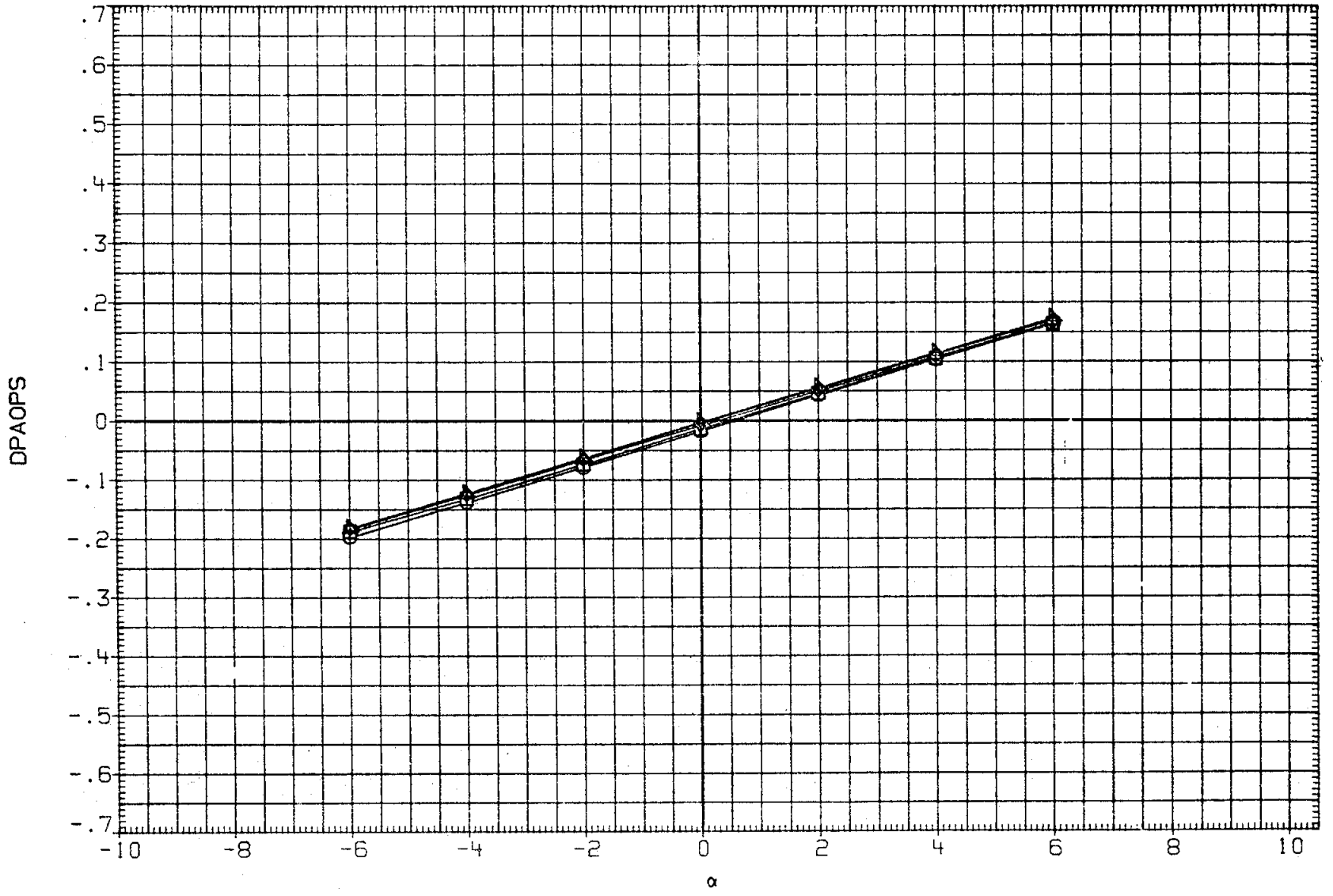

FIG. 28 DPAOPS CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◸	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

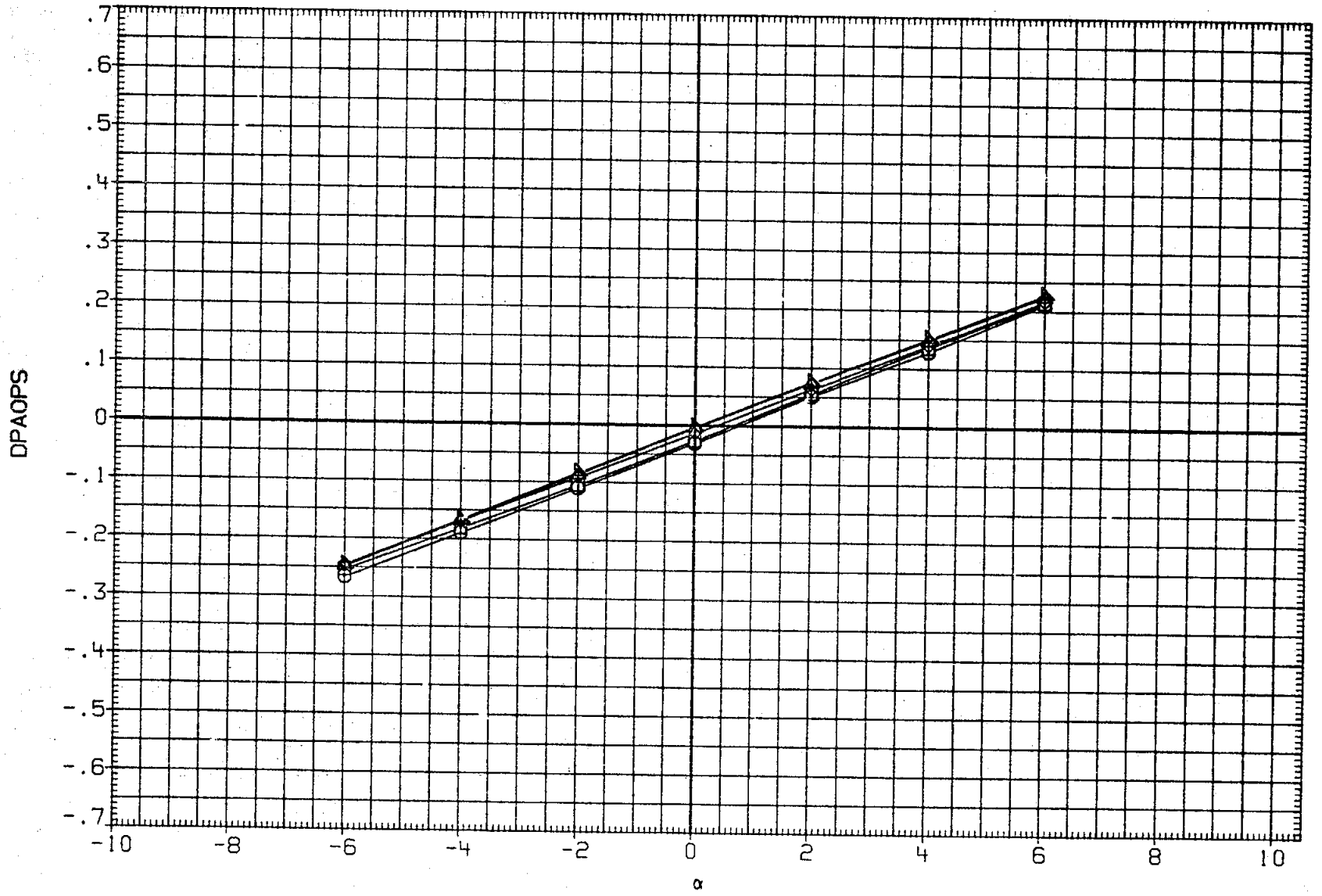

FIG. 28 DPAOPS CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

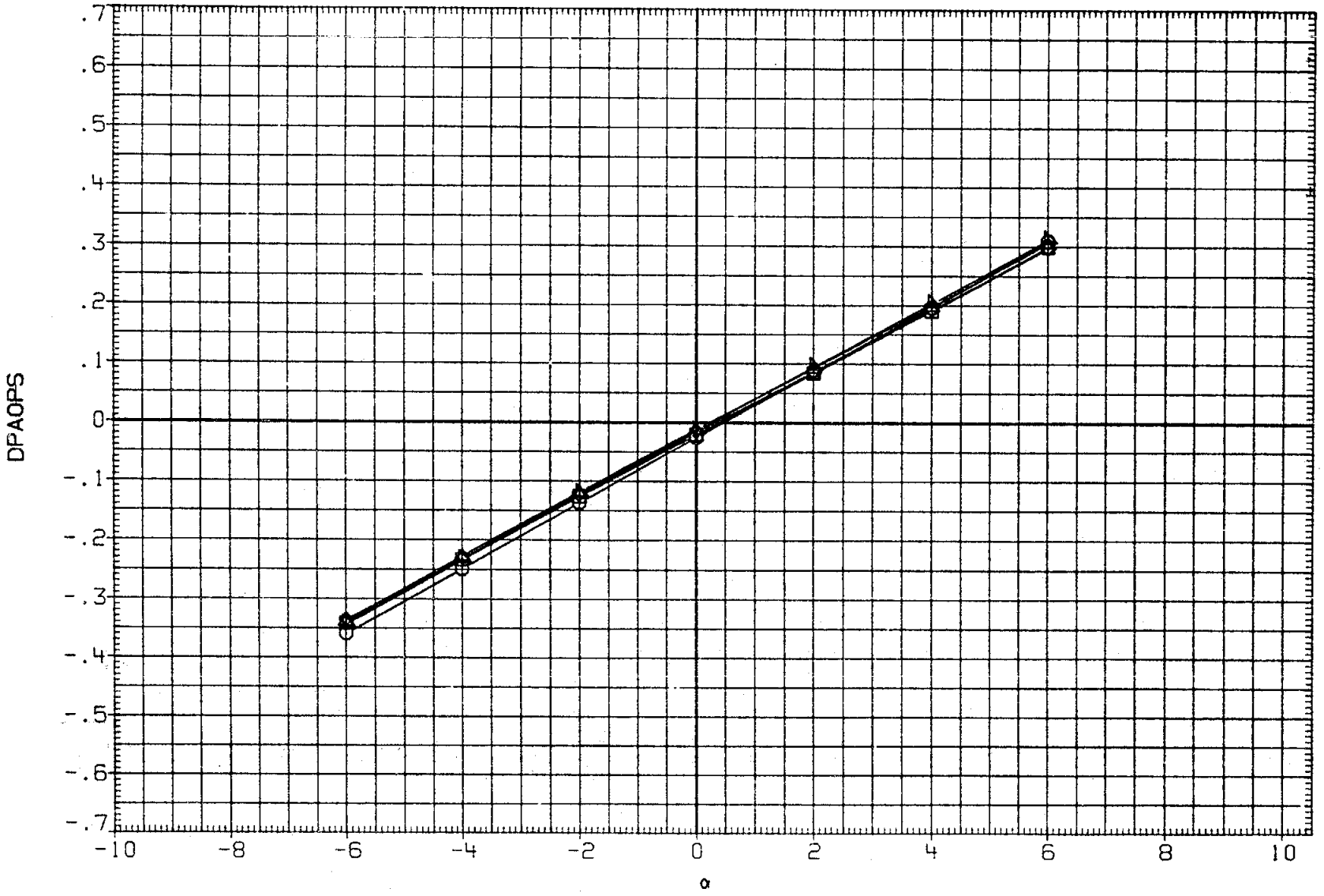

FIG. 28 DPAOPS CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

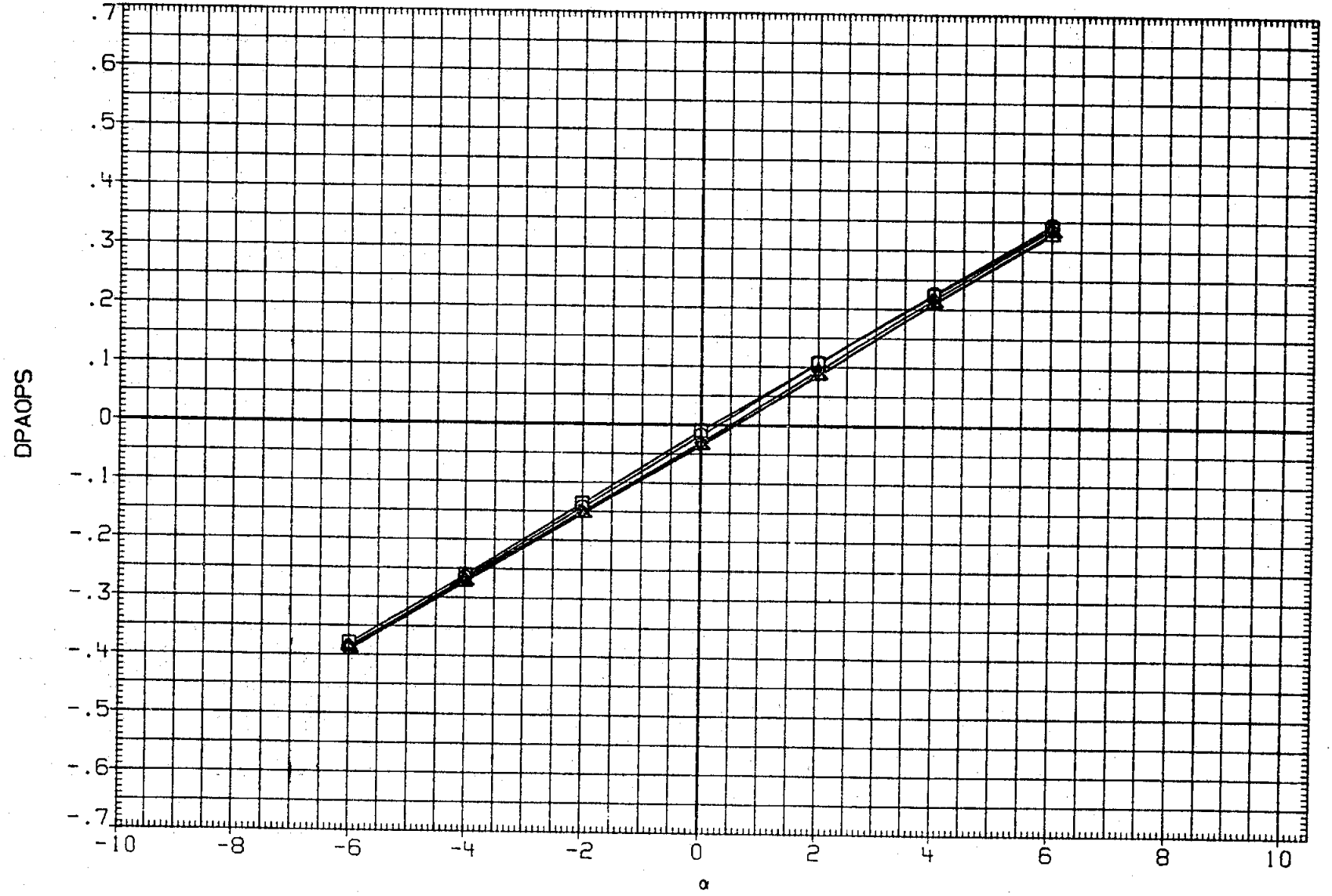

FIG. 28 DPAOPS CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

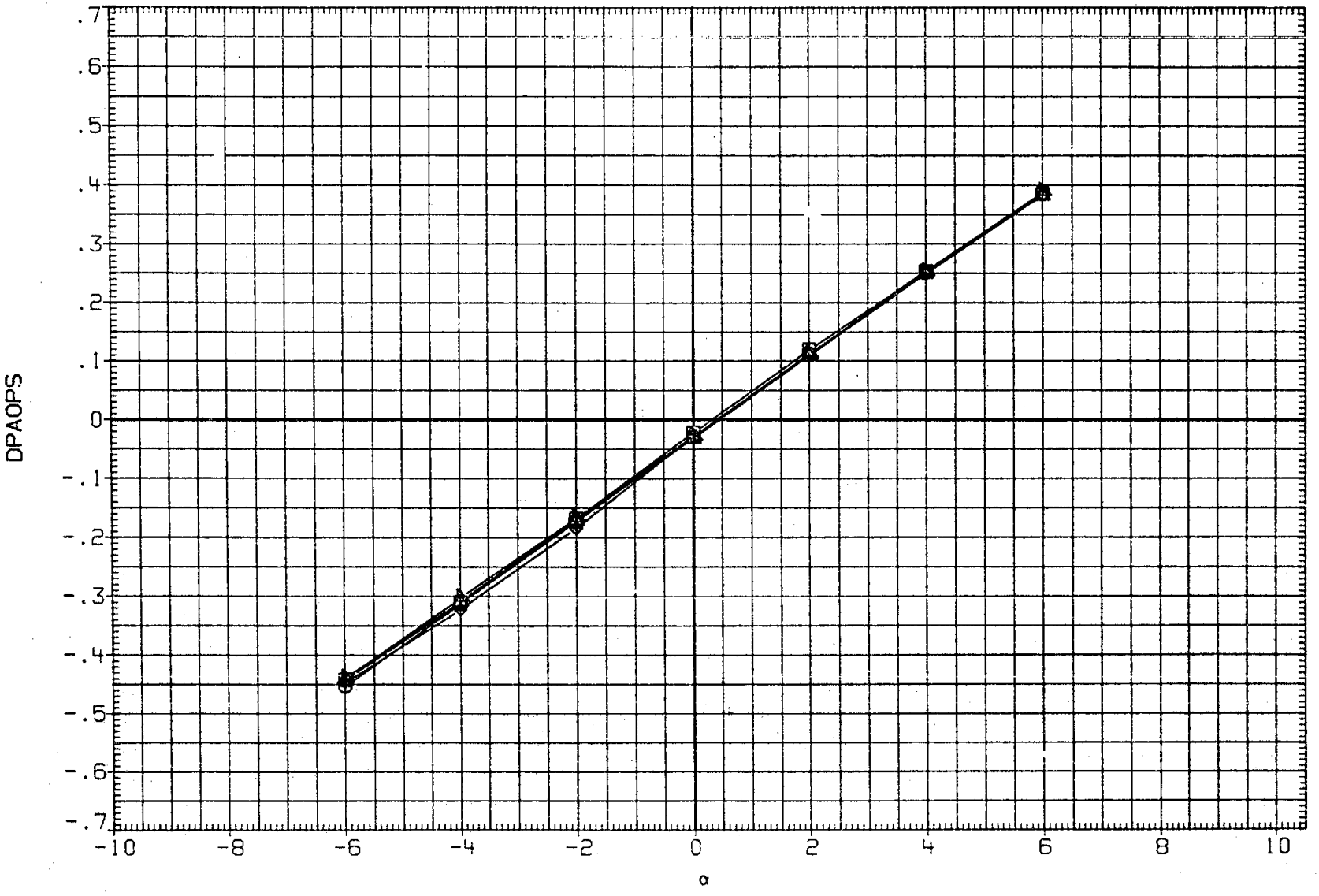

FIG. 28 DPAOPS CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

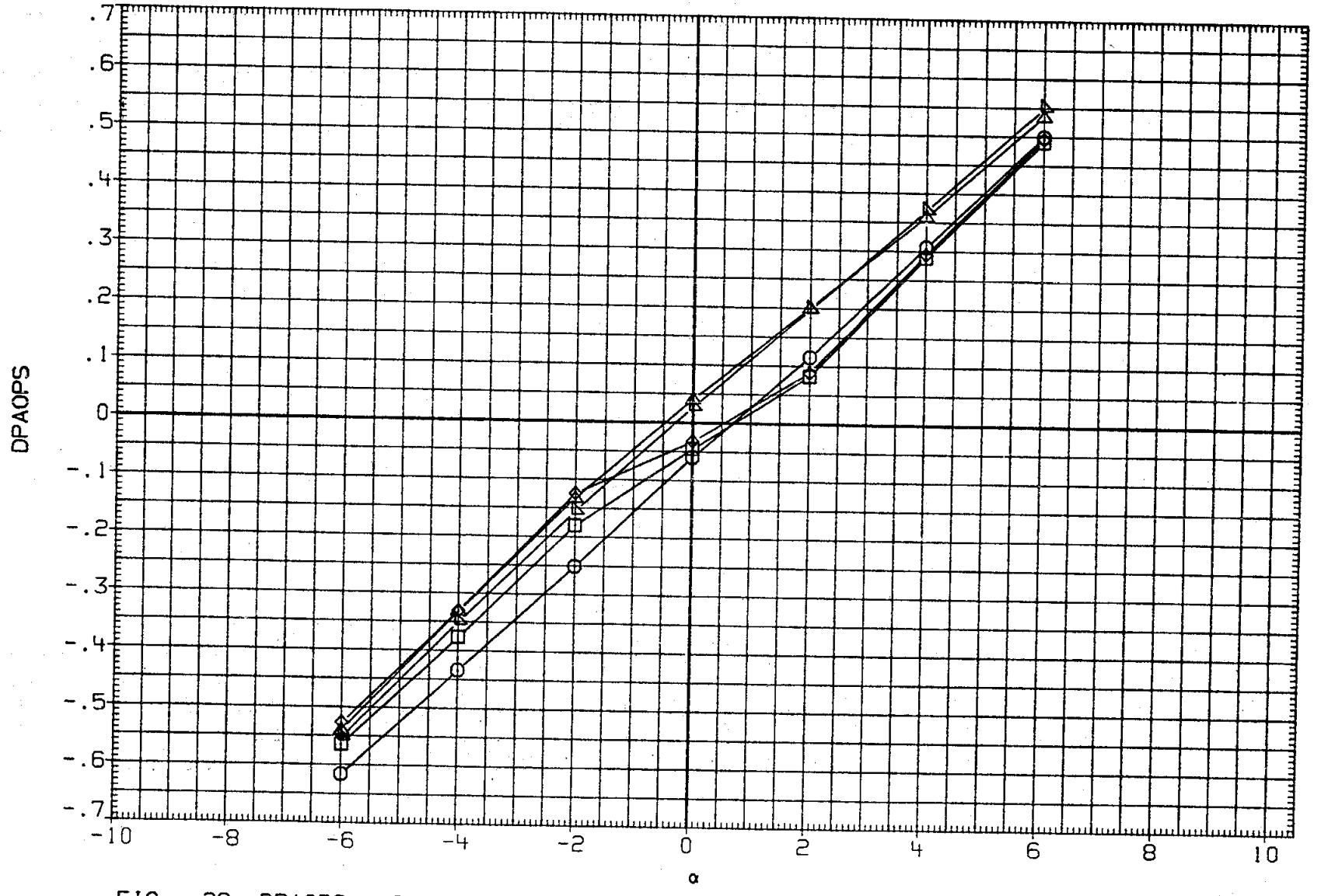

FIG. 28 DPAOPS CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

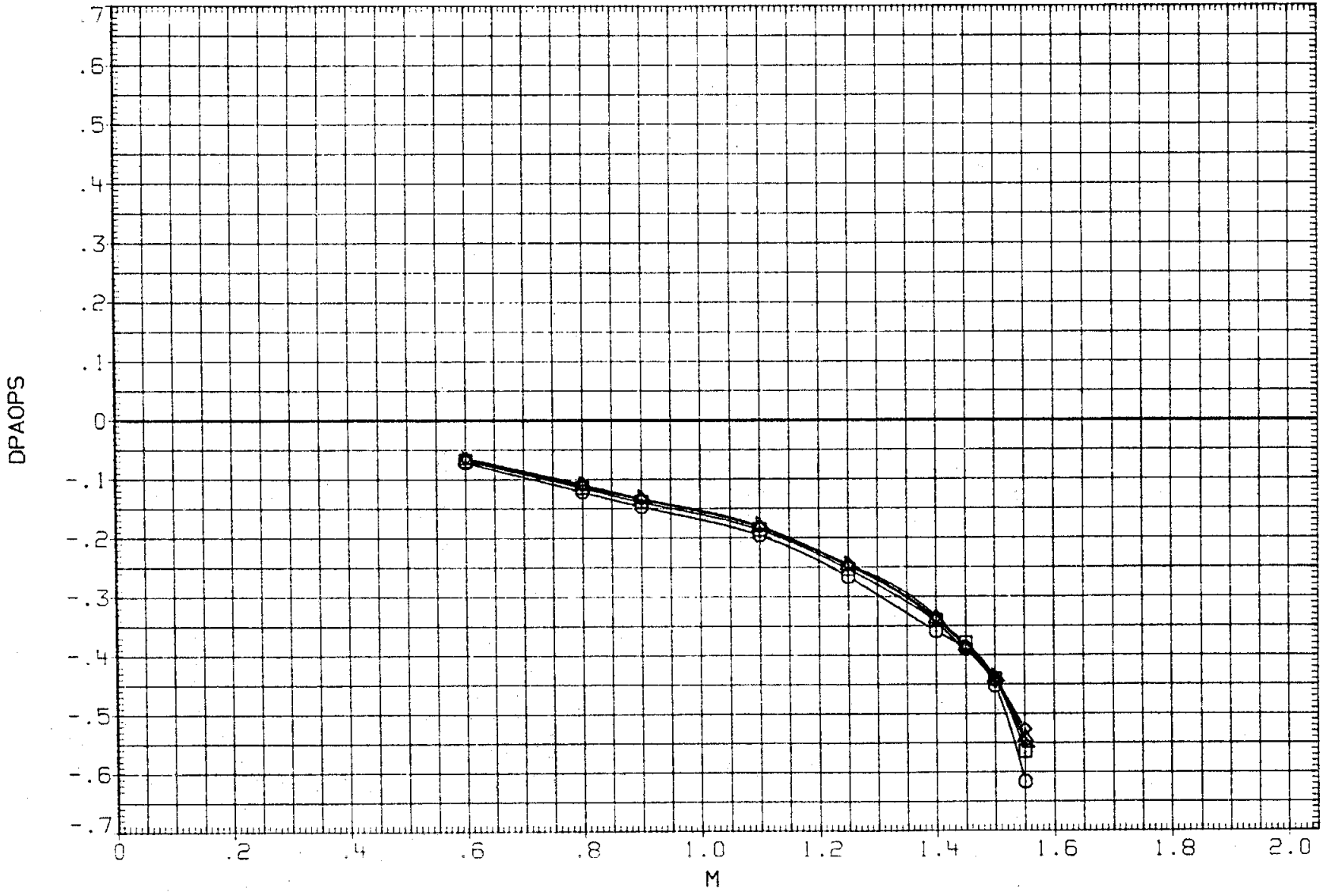

FIG. 28 DPAOPS CHARACTERISTICS

(A)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

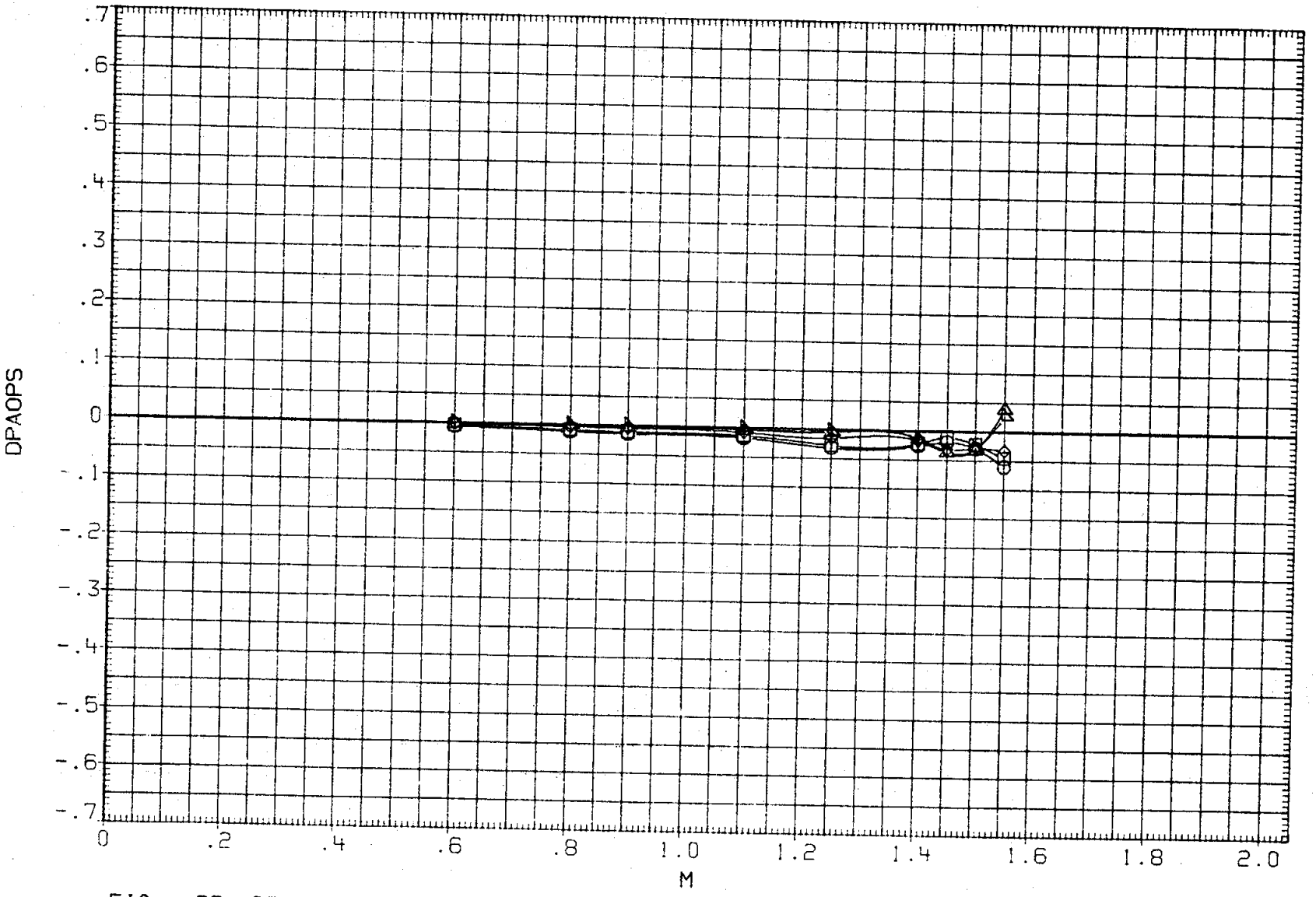

FIG. 28 DPAOPS CHARACTERISTICS

(B) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

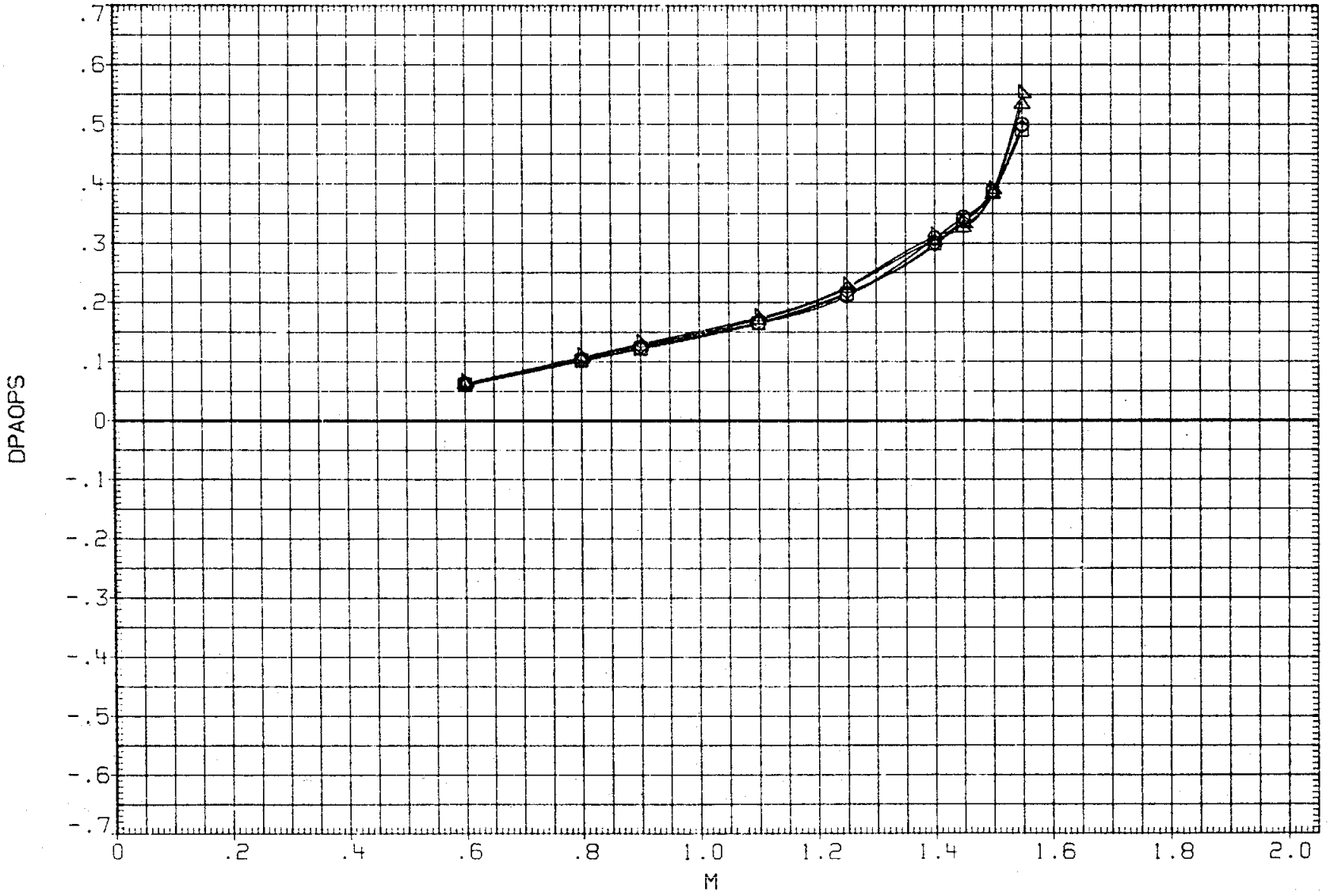

FIG. 28 DPAOPS CHARACTERISTICS

(C)ALPHA = 6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

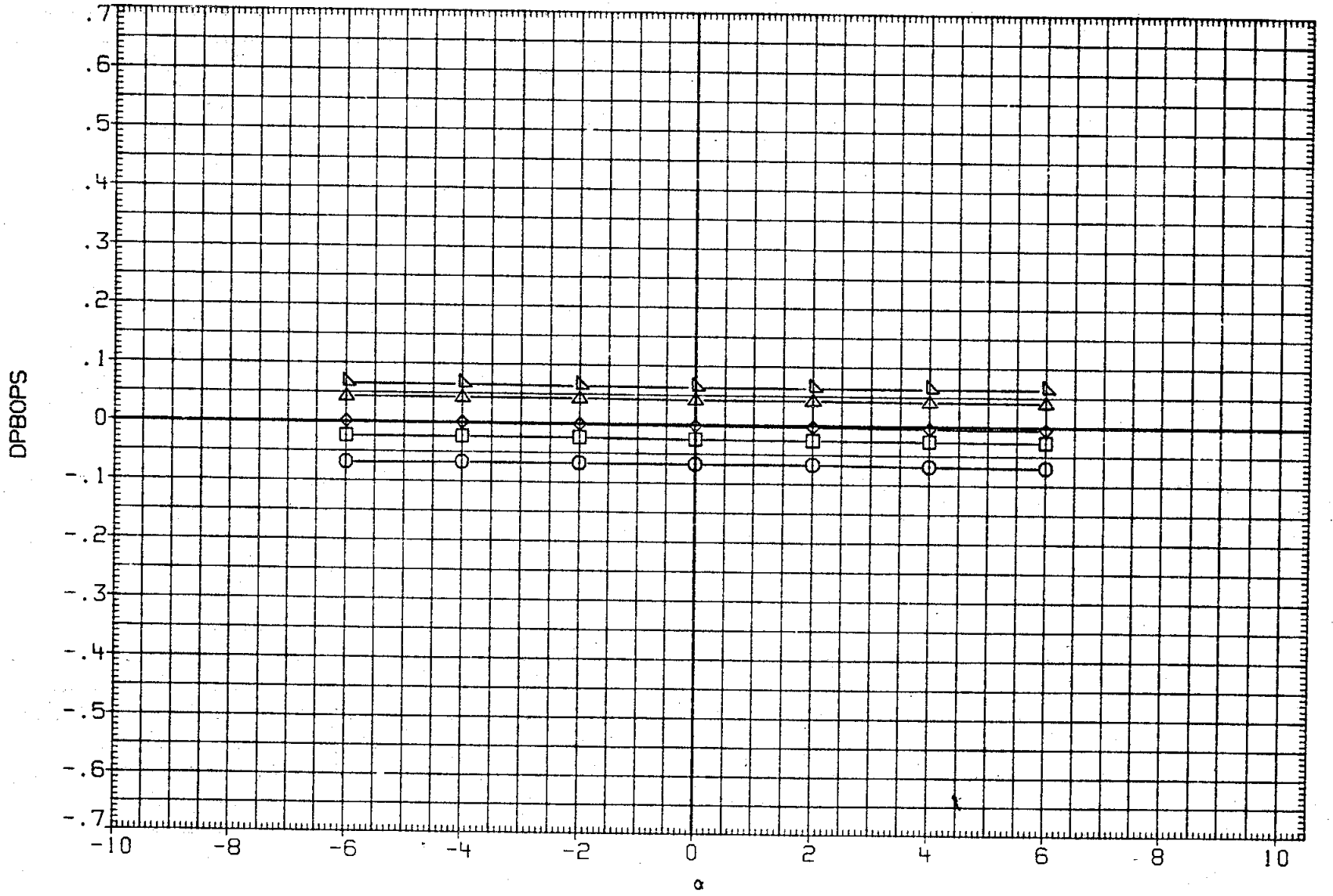

FIG. 29 DPBOPS CHARACTERISTICS

(A)MACH = .60

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

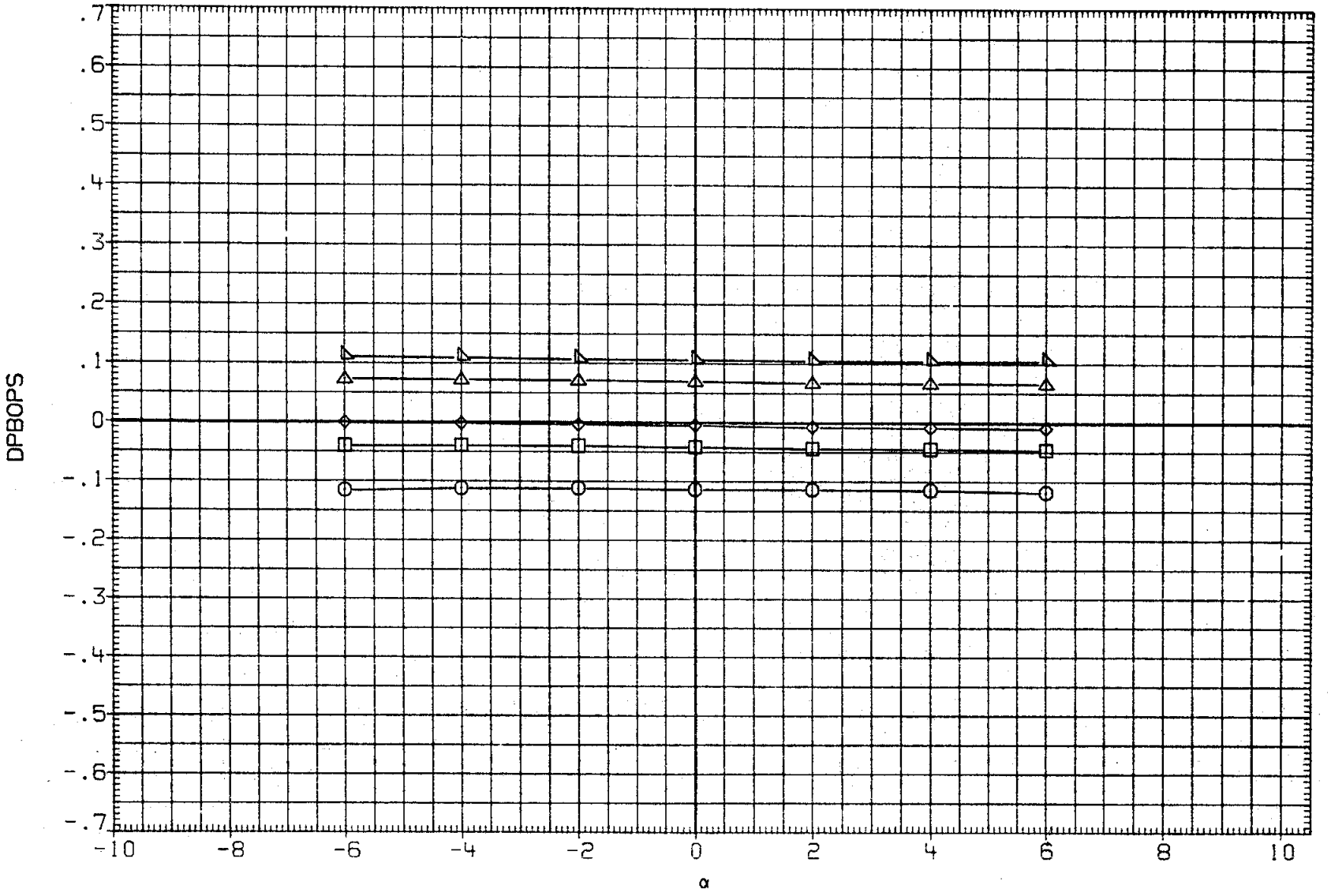

FIG. 29 DPBOPS CHARACTERISTICS

(B)MACH = .80

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

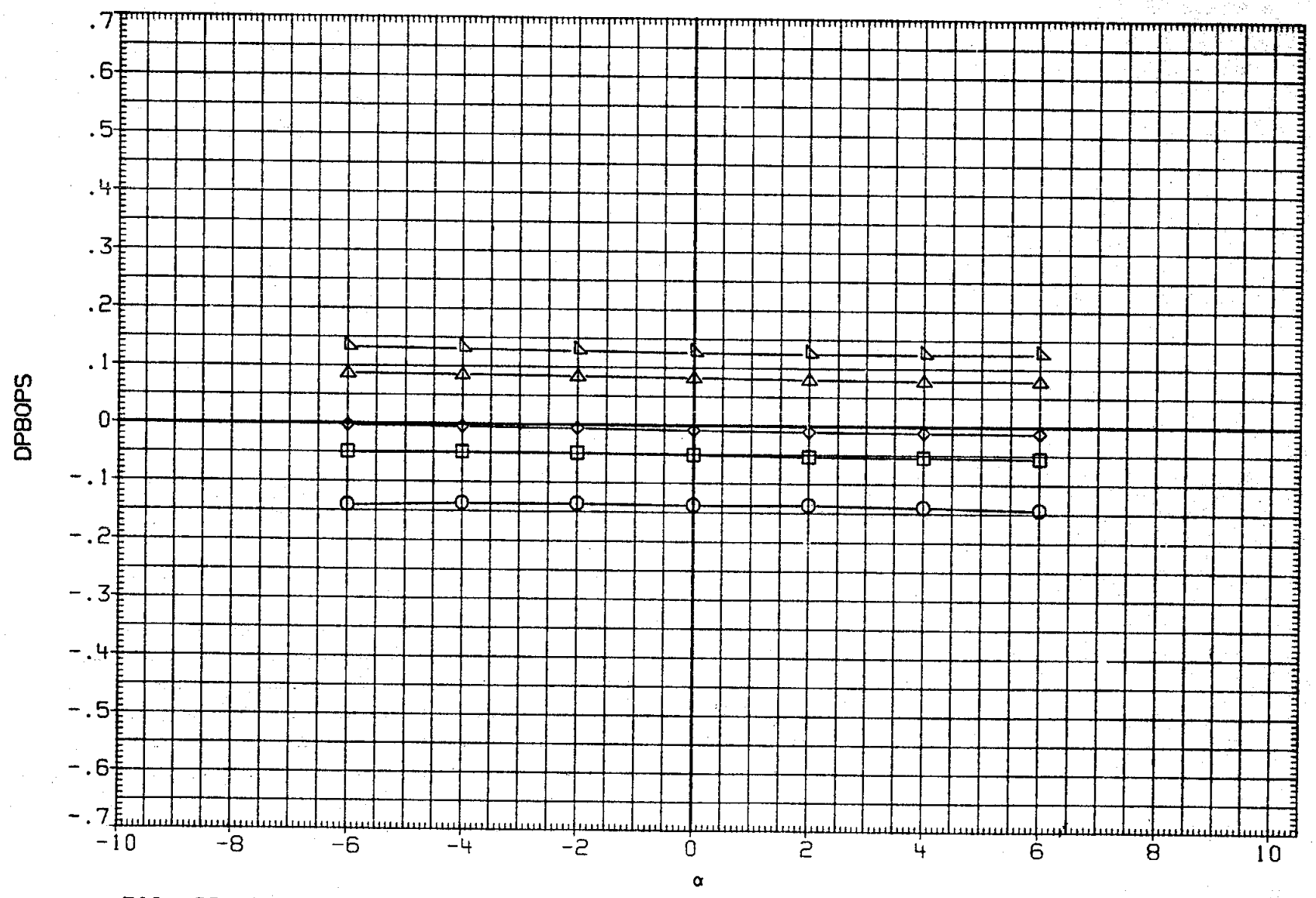

FIG. 29 DPBOPS CHARACTERISTICS

(C)MACH = .90

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

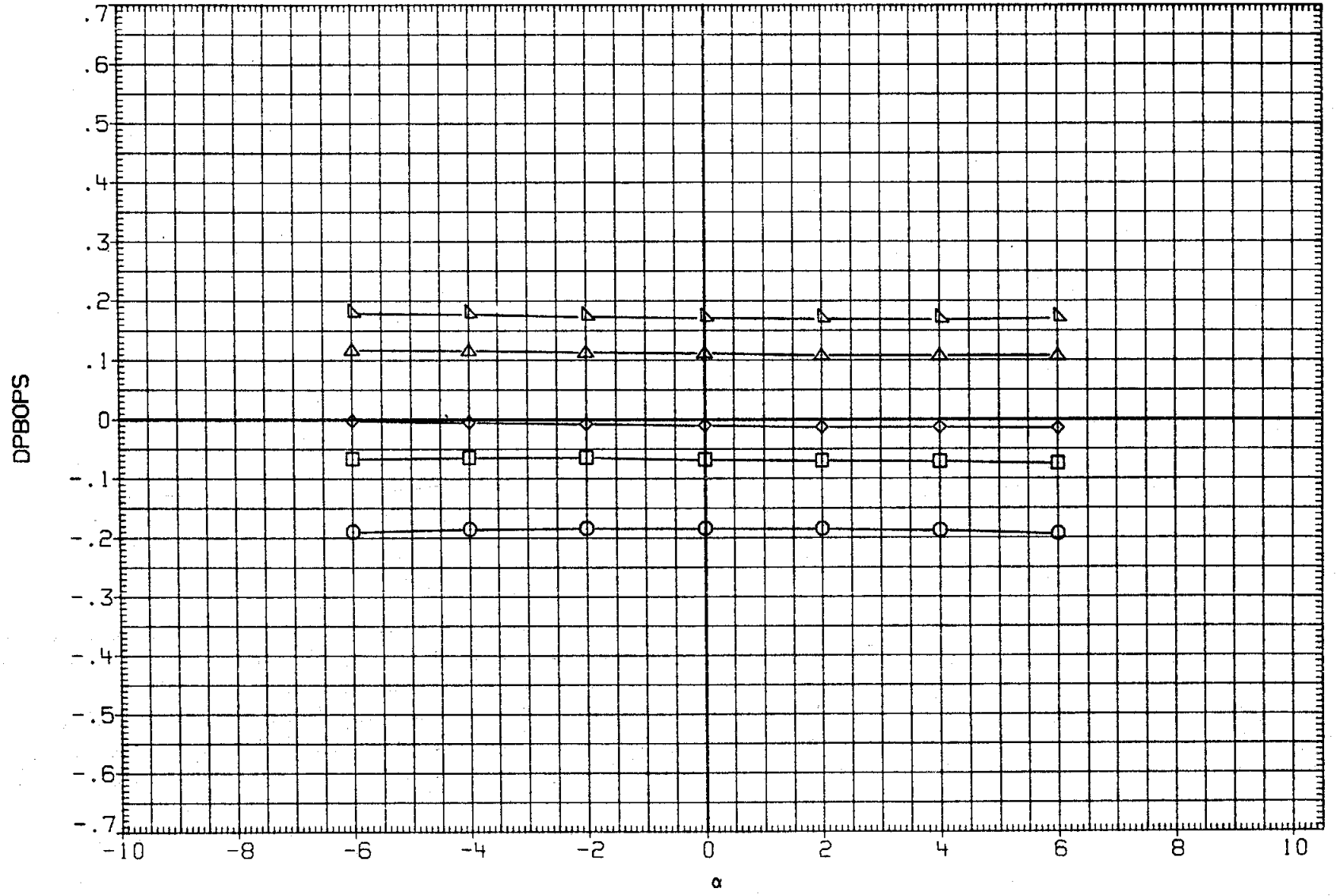

FIG. 29 DPBOPS CHARACTERISTICS

(D)MACH = 1.10

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

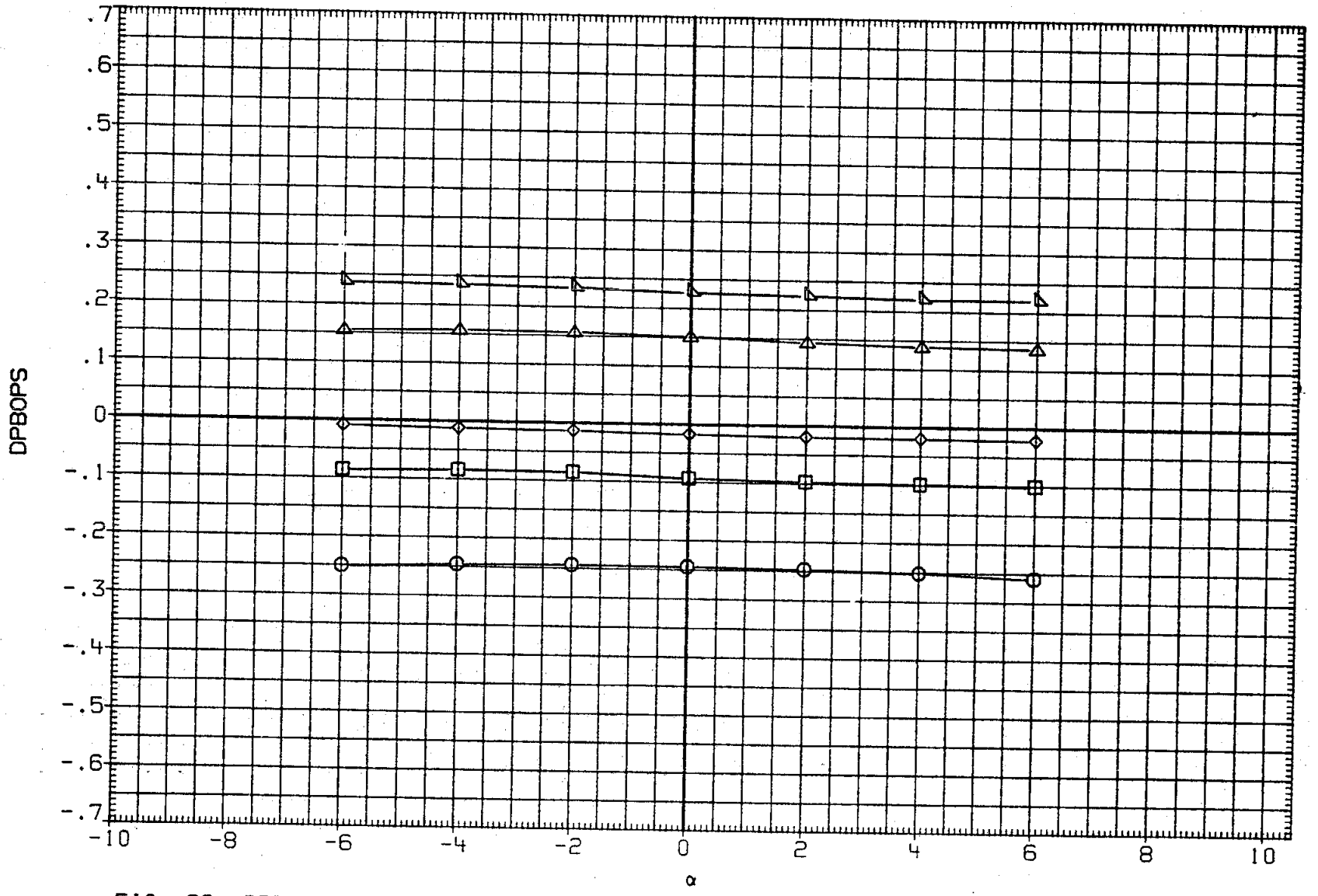

FIG. 29 DPBOPS CHARACTERISTICS

(E)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

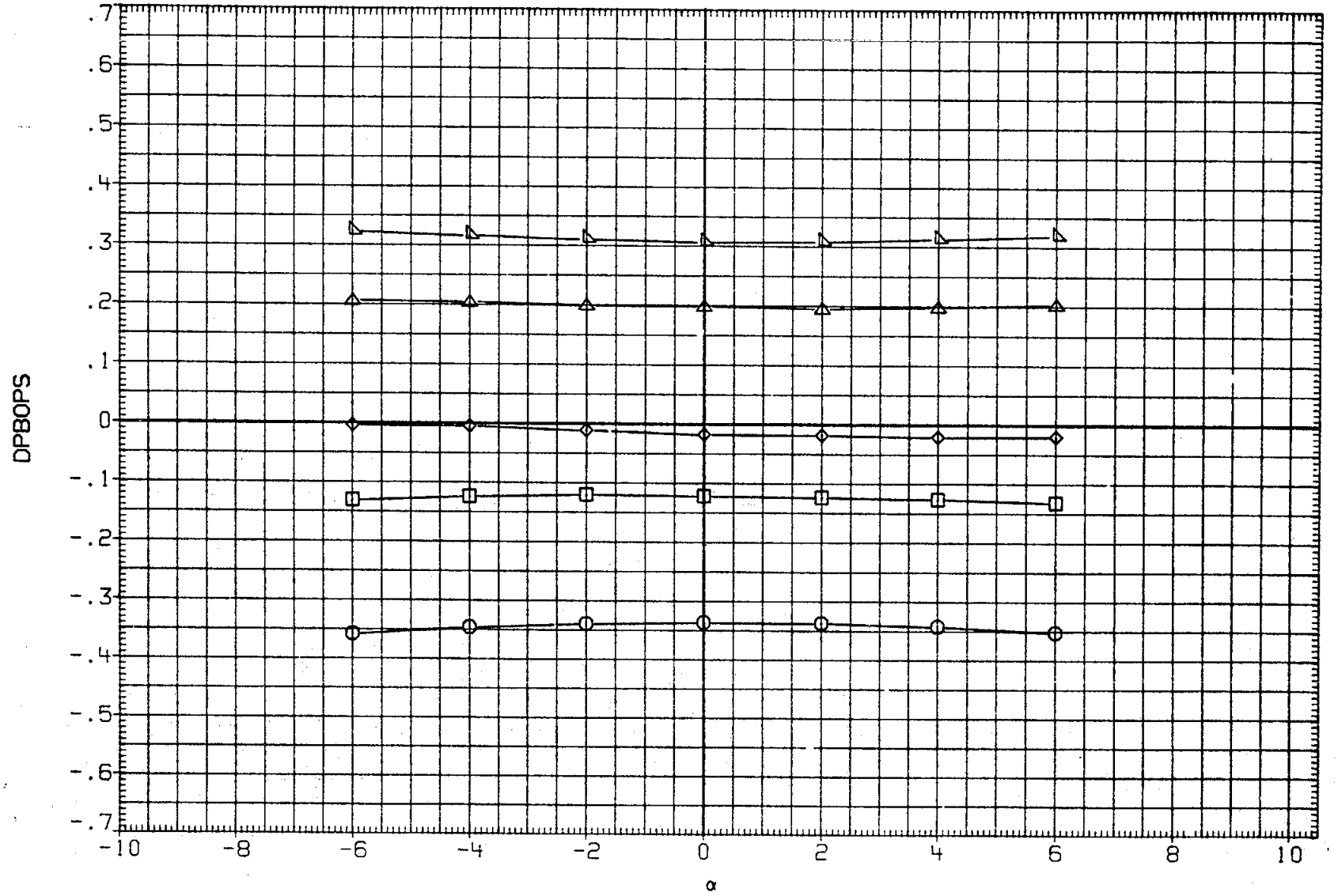

FIG. 29 DPBOPS CHARACTERISTICS

(F)MACH = 1.40

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

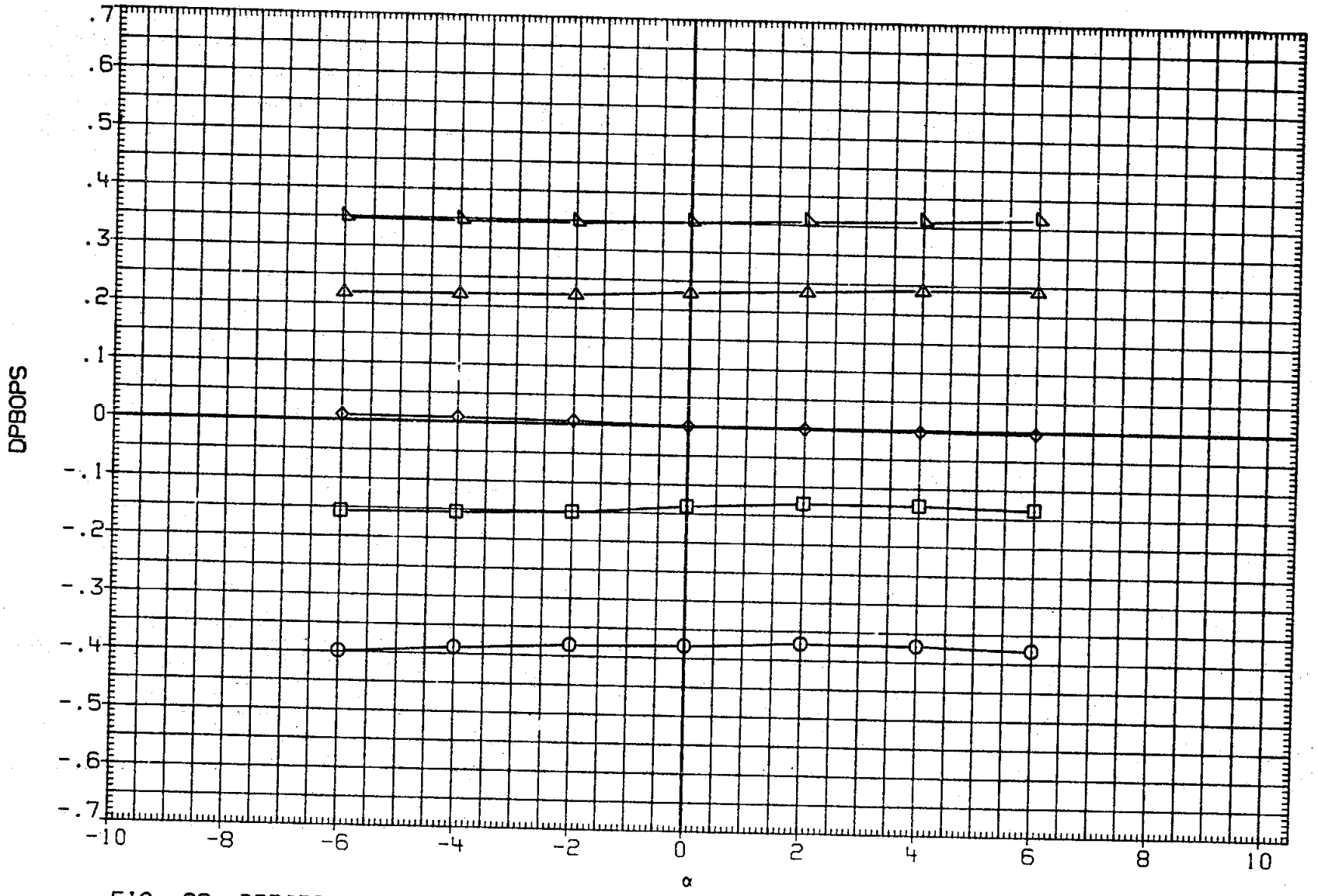

FIG. 29 DPBOPS CHARACTERISTICS

(G)MACH = 1.45

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◺	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

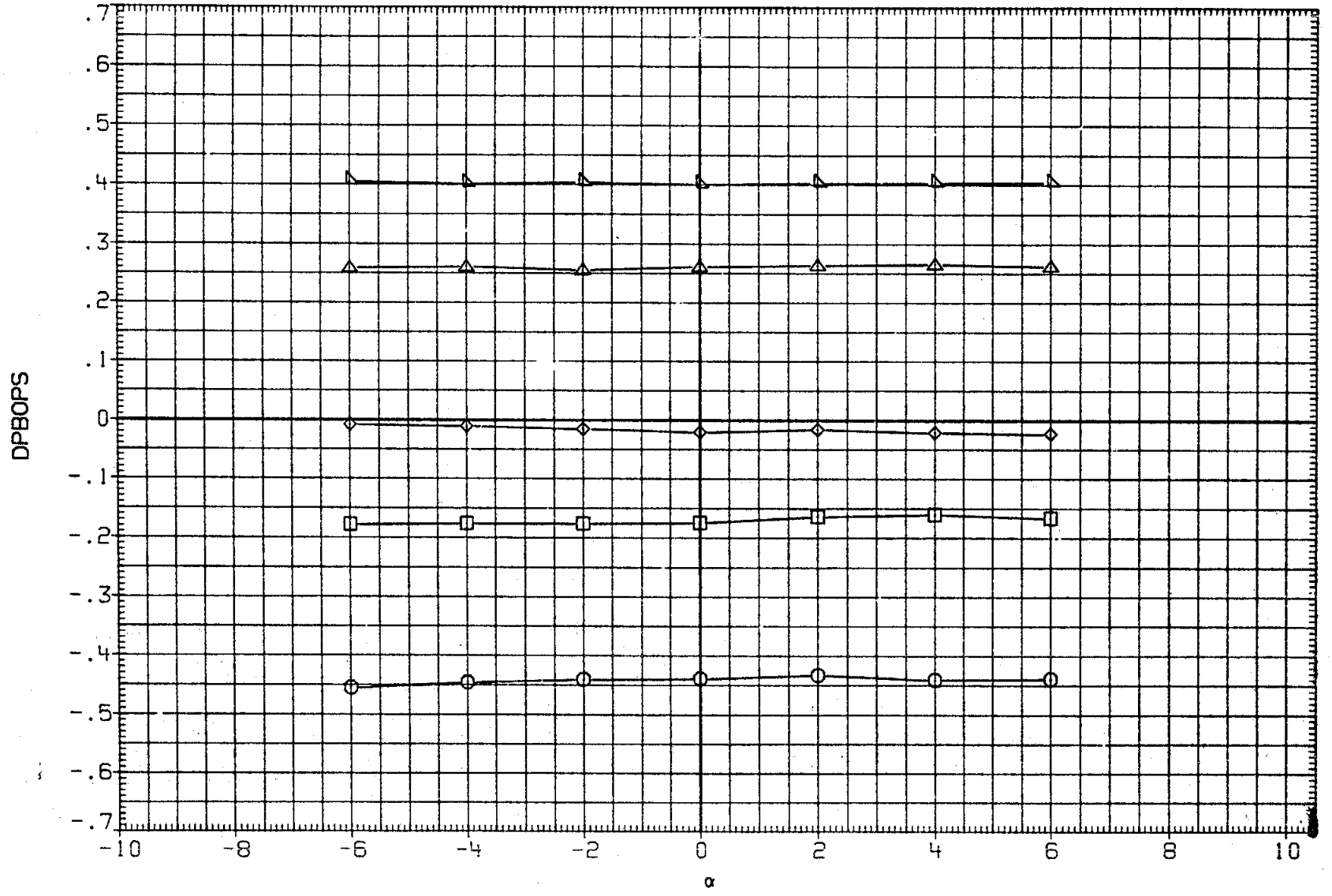

FIG. 29 DPBOPS CHARACTERISTICS

(H)MACH = 1.50

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	◁	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

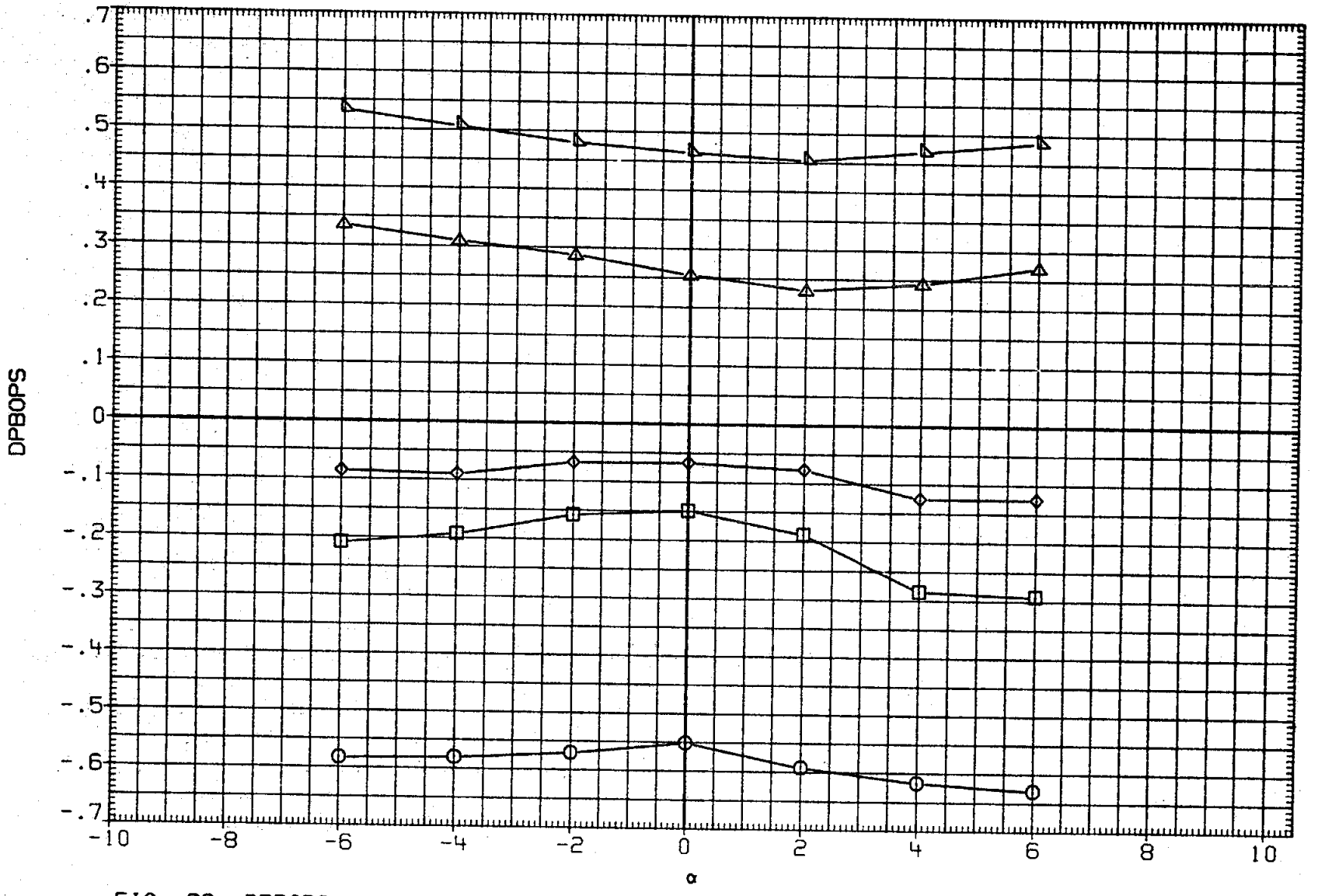

FIG. 29 DPBOPS CHARACTERISTICS

(I)MACH = 1.55

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132 (AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

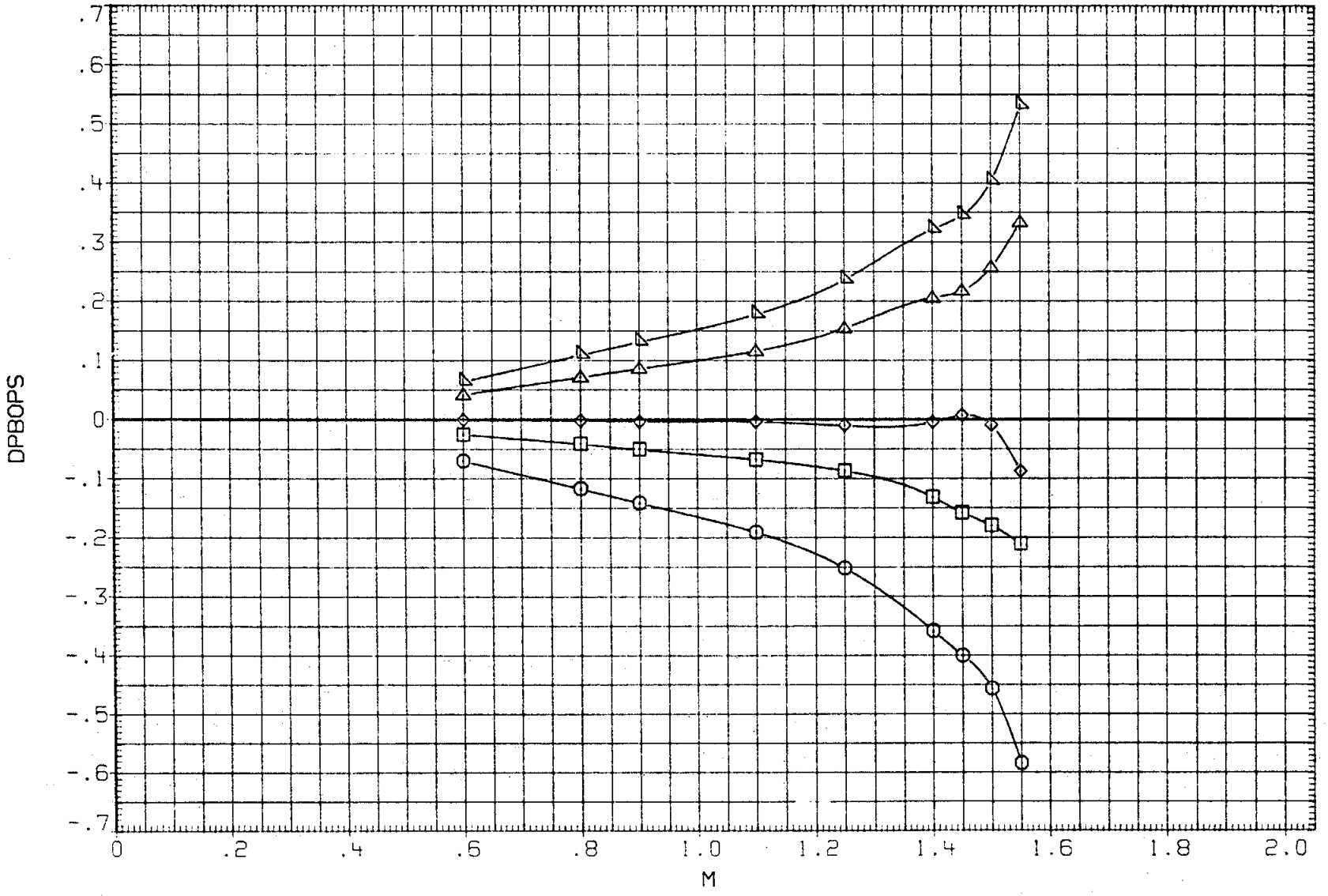

FIG. 29 DPBOPS CHARACTERISTICS

(A)ALPHA = -6.00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA13?(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▽	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

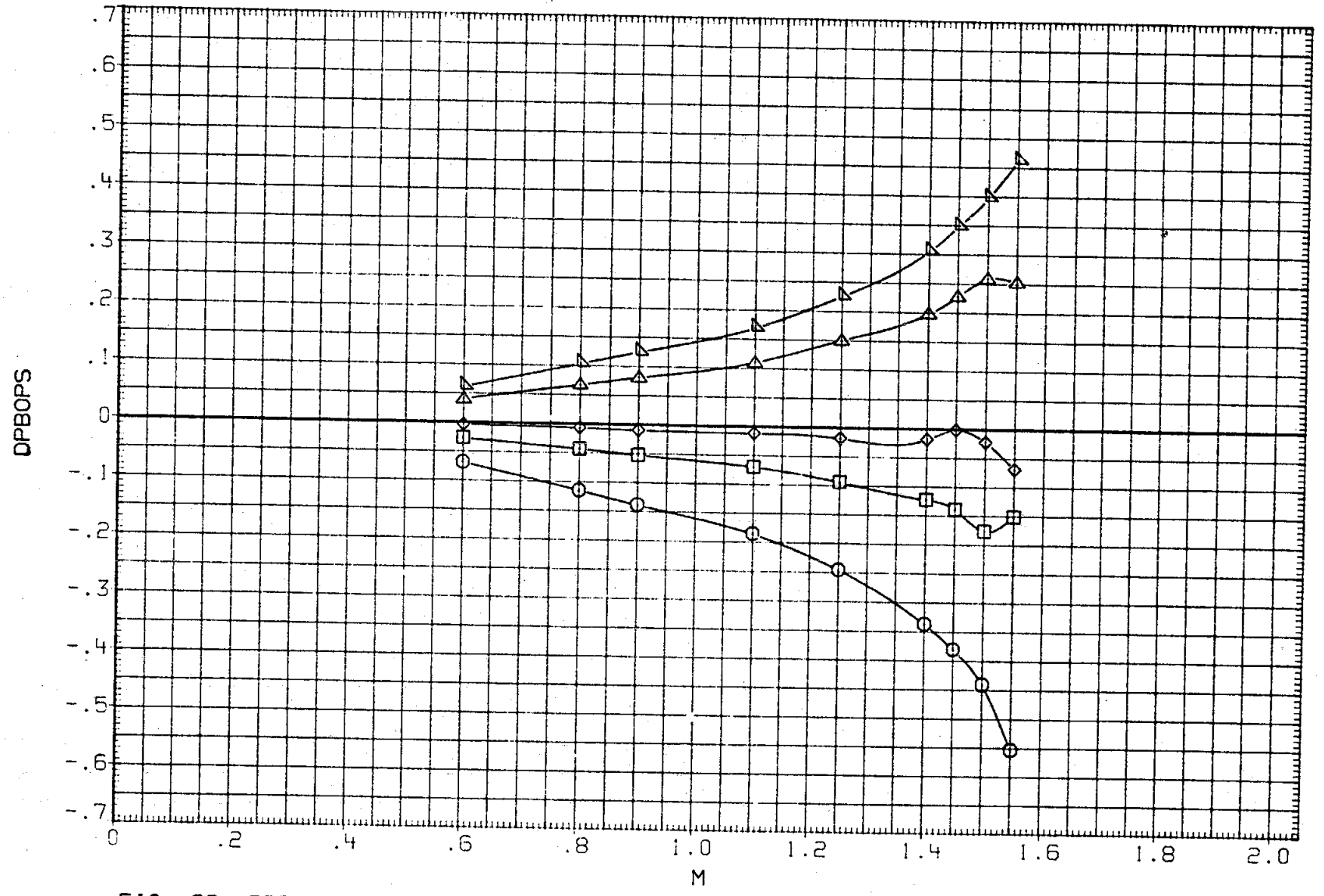

FIG. 29 DPBOPS CHARACTERISTICS

(B) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	BETA
T4RB51	○	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-6.000
T4RB55	□	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	-2.000
T4RB57	◇	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	.000
T4RB61	△	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	4.000
T4RB64	▷	IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN	6.000

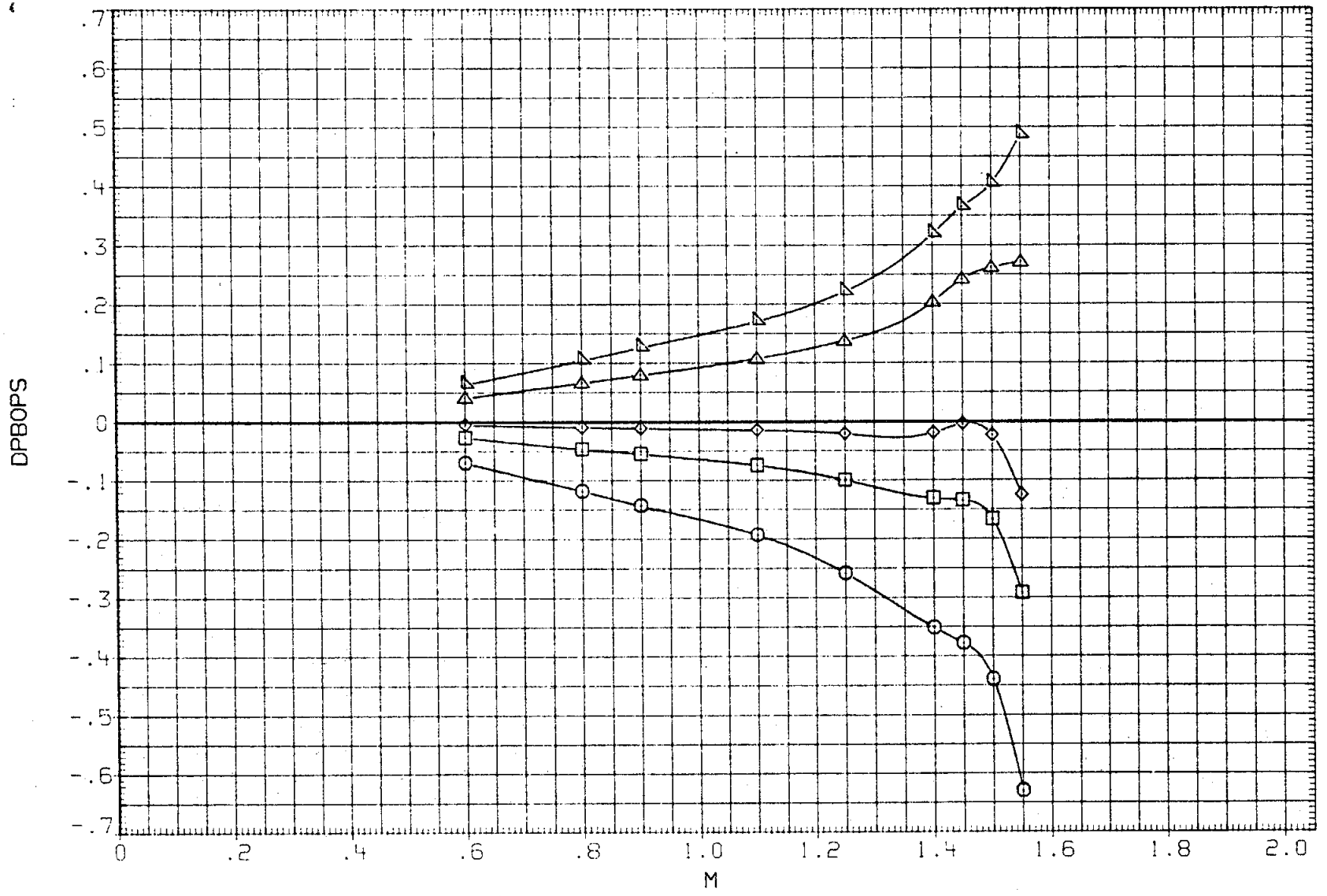

FIG. 29 DPBOPS CHARACTERISTICS

(C)ALPHA = 6.00

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB25) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = -6.000 PHI = .000

RUN NO. 447/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.000	-6.00000	322.21429	2.50007	1280.35121	1632.64487	1.09335	109.29856	.00000	8.63391	-134.94734
.600	-4.000	-6.00000	322.31857	2.50069	1279.96443	1632.35376	1.09327	109.20089	.00000	7.38007	-123.53570
.600	-2.000	-6.00000	323.24211	2.50622	1281.73532	1635.11267	1.09323	109.29030	.00000	6.52116	-108.58968
.600	.000	-6.00000	321.84479	2.49820	1277.89168	1629.76843	1.09331	109.00345	.00000	6.18741	-89.99094
.600	2.000	-6.00000	322.32343	2.50104	1280.11905	1632.52461	1.09333	109.19893	.00000	6.50548	-71.64012
.600	4.000	-6.00000	322.79020	2.50517	1281.91426	1634.82320	1.09331	109.10078	.00000	7.37486	-56.45237
.600	6.000	-6.00000	322.80717	2.50591	1282.07437	1635.00156	1.09331	109.00378	.00000	8.62700	-45.17708
	GRADIENT	.00000	.00123	.00016	.11417	.11754	.00001	-.01458	.00000	-.00130	8.55581

RUN NO. 439/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.000	-6.00000	322.61146	2.00266	720.22549	1097.82712	1.17043	109.30829	.00000	8.62195	-134.82924
.800	-4.000	-6.00000	322.38863	2.00080	719.71602	1097.05600	1.17043	109.41353	.00000	7.35431	-123.29696
.800	-2.000	-6.00000	322.46879	2.00086	719.88323	1097.31458	1.17042	109.50828	.00000	6.49680	-108.21755
.800	.000	-6.00000	322.72021	2.00111	720.51321	1098.24947	1.17044	109.80968	.00000	6.18435	-90.06607
.800	2.000	-6.00000	322.96626	2.00345	721.07984	1099.10603	1.17044	109.63105	.00000	6.50285	-71.61580
.800	4.000	-6.00000	322.84890	2.00233	720.74024	1098.61719	1.17042	109.70603	.00000	7.36898	-56.48439
.800	6.000	-6.00000	321.74001	1.99461	718.32503	1094.91521	1.17044	109.90152	.00000	8.62406	-45.18378
	GRADIENT	.00000	.07090	.00028	.16225	.24569	.00000	.03539	.00000	.00177	8.51134

RUN NO. 480/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.000	-6.00000	349.75164	1.99965	616.91245	1043.35175	1.21925	110.48324	.00000	8.61123	-134.96964
.900	-4.000	-6.00000	349.75903	1.99830	616.92458	1043.37103	1.21925	110.79472	.00000	7.35564	-123.53409
.900	-2.000	-6.00000	349.90061	1.99919	617.22901	1043.86197	1.21926	110.78217	.00000	6.49894	-108.53893
.900	.000	-6.00000	349.45158	1.99656	616.41871	1042.49605	1.21926	110.79877	.00000	6.17036	-90.01769
.900	2.000	-6.00000	349.39095	1.99614	616.24173	1042.23392	1.21924	110.79909	.00000	6.48633	-71.63619
.900	4.000	-6.00000	349.39013	1.99614	616.24185	1042.23328	1.21924	110.79980	.00000	7.35643	-56.43862
.900	6.000	-6.00000	349.14548	1.99483	615.89407	1041.59947	1.21926	110.79865	.00000	8.60447	-45.14643
	GRADIENT	.00000	-.06237	-.00037	-.11764	-.19518	-.00000	.00135	.00000	-.00055	8.55468

RUN NO. 428/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-6.000	-6.00000	373.03258	1.90376	440.49066	940.43639	1.33749	110.11074	.00000	8.58558	-135.04669
1.100	-4.000	-6.00000	371.08391	1.89381	438.13839	935.47468	1.33746	110.10096	.00000	7.32523	-123.54091
1.100	-2.000	-6.00000	372.21035	1.90005	439.48891	938.34443	1.33745	109.99720	.00000	6.45594	-108.18409
1.100	.000	-6.00000	371.66859	1.89762	438.82269	936.93450	1.33746	109.91101	.00000	6.14818	-90.18417
1.100	2.000	-6.00000	371.58306	1.89724	438.71734	936.71643	1.33747	109.89488	.00000	6.46531	-71.63631
1.100	4.000	-6.00000	371.60857	1.89697	438.80625	936.87074	1.33744	110.00466	.00000	7.32629	-56.42156
1.100	6.000	-6.00000	371.10690	1.89527	438.22025	935.62505	1.33743	109.80927	.00000	8.57145	-45.15132
	GRADIENT	.00000	.02110	.00018	.02821	.05821	-.00000	-.01475	.00000	.00057	8.53932

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB25) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -6.000 PHI = .000

RUN NO. 358/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.000	-6.00000	403.73422	1.94682	369.18926	956.25739	1.42328	110.59587	.00000	8.58279	-135.06749
1.250	-4.000	-6.00000	403.82999	1.94643	369.27789	956.50010	1.42326	110.78926	.00000	7.33035	-123.58380
1.250	-2.000	-6.00000	403.47039	1.94480	368.93282	955.60489	1.42329	110.80078	.00000	6.46998	-108.53649
1.250	.000	-6.00000	403.12069	1.94288	368.57528	954.70724	1.42331	110.79521	.00000	6.14308	-90.06436
1.250	2.000	-6.00000	403.44558	1.94308	368.90411	955.53732	1.42328	111.11191	.00000	6.45853	-71.64287
1.250	4.000	-6.00000	403.95511	1.94501	369.35128	956.70653	1.42330	111.22234	.00000	7.32327	-56.43301
1.250	6.000	-6.00000	403.93309	1.94777	369.36427	956.72189	1.42327	110.59693	.00000	8.56529	-45.16915
	GRADIENT	.00000	.01127	-.00022	.00590	.01726	.00000	.05886	.00000	-.00128	8.55976

RUN NO. 414/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-6.000	-6.00000	428.82905	1.99855	312.63011	994.79838	1.49354	109.90728	.00000	8.56343	-134.95806
1.400	-4.000	-6.00000	430.53340	2.00637	313.81364	998.61897	1.49360	109.90957	.00000	7.30982	-123.50656
1.400	-2.000	-6.00000	427.82073	1.99328	311.83907	992.33496	1.49359	110.00753	.00000	6.45448	-108.47504
1.400	.000	-6.00000	429.69398	2.00156	313.19521	996.65977	1.49360	110.09966	.00000	6.13658	-90.00217
1.400	2.000	-6.00000	429.45638	2.00137	313.01970	996.10887	1.49360	109.90324	.00000	6.45184	-71.63329
1.400	4.000	-6.00000	428.97186	1.99912	312.66703	994.98753	1.49360	109.90116	.00000	7.31600	-56.45831
1.400	6.000	-6.00000	428.47139	1.99684	312.33965	993.90363	1.49356	109.90481	.00000	8.55816	-45.13686
	GRADIENT	.00000	-.07437	-.00032	-.05563	-.17445	.00000	-.00605	.00000	.00049	8.54691

RUN NO. 367/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-6.000	-6.00000	433.09001	1.99683	294.27894	1005.30039	1.51367	110.99116	.00000	8.54482	-134.74152
1.450	-4.000	-6.00000	433.36754	1.99901	294.46345	1005.93610	1.51367	110.79739	.00000	7.30849	-123.51817
1.450	-2.000	-6.00000	433.41220	2.00015	294.48860	1006.03612	1.51368	110.59599	.00000	6.44352	-108.19989
1.450	.000	-6.00000	433.10182	1.99729	294.28092	1005.32079	1.51367	110.90423	.00000	6.13712	-90.12343
1.450	2.000	-6.00000	432.77699	1.99634	294.05566	1004.55961	1.51368	110.78464	.00000	6.45148	-71.59264
1.450	4.000	-6.00000	432.75860	1.99618	294.04298	1004.51656	1.51368	110.79963	.00000	7.31297	-56.40793
1.450	6.000	-6.00000	432.96119	1.99578	294.18115	1004.98569	1.51367	111.08742	.00000	8.55944	-45.15581
	GRADIENT	.00000	-.09266	-.00047	-.06369	-.21578	.00000	.00966	.00000	.00085	8.54139

RUN NO. 404/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.000	-6.00000	435.28843	1.99626	276.37622	1014.58619	1.53223	110.49984	.00000	8.54510	-134.77229
1.500	-4.000	-6.00000	435.34683	1.99658	276.41190	1014.71729	1.53223	110.48695	.00000	7.30308	-123.36176
1.500	-2.000	-6.00000	435.49488	1.99720	276.51840	1015.08025	1.53222	110.50497	.00000	6.45458	-108.38616
1.500	.000	-6.00000	435.48035	1.99712	276.50514	1015.04034	1.53222	110.50379	.00000	6.13492	-90.01844
1.500	2.000	-6.00000	435.30294	1.99768	276.39629	1014.63759	1.53223	110.21359	.00000	6.45237	-71.63180
1.500	4.000	-6.00000	435.27187	1.99663	276.36753	1014.54603	1.53223	110.40324	.00000	7.31429	-56.41487
1.500	6.000	-6.00000	435.37637	1.99710	276.43792	1014.79684	1.53223	110.40766	.00000	8.55906	-45.15732
	GRADIENT	.00000	-.01709	.00003	-.01054	-.03926	.00000	-.02294	.00000	.00101	8.53241

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB25) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = -6.000 PHI = .000

RUN NO. 383/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-6.000	-6.00000	438.38170	1.99914	260.68180	1029.27170	1.54938	110.79958	.00000	8.54639	-134.74040
1.550	-4.000	-6.00000	437.05193	1.99350	259.87934	1026.12460	1.54940	110.70513	.00000	7.31016	-123.46416
1.550	-2.000	-6.00000	437.96719	1.99715	260.40628	1028.24374	1.54941	110.80912	.00000	6.44416	-108.13152
1.550	.000	-6.00000	438.32500	1.99838	260.62817	1029.10120	1.54940	110.89864	.00000	6.13607	-90.04270
1.550	2.000	-6.00000	437.56109	1.99583	260.18509	1027.32442	1.54939	110.70285	.00000	6.45356	-71.65565
1.550	4.000	-6.00000	437.58360	1.99642	260.19835	1027.37700	1.54939	110.59902	.00000	7.31452	-56.40285
1.550	6.000	-6.00000	438.37460	2.00002	260.64185	1029.17564	1.54942	110.59097	.00000	8.55360	-45.15101
	GRADIENT	.00000	.03286	.00023	.02084	.07927	-.00000	-.01592	.00000	.00091	8.52992

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB25) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = -6.000 PHI = .000

RUN NO. 447/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	-6.00000	-.05640	-.05299	1.05940	.16115	-.00969	1.15652	1.26291	-.07117	-.06687
.600	-4.000	-6.00000	-.03936	-.05169	1.06228	.16223	-.00578	1.16870	1.26797	-.04989	-.06551
.600	-2.000	-6.00000	-.02207	-.05118	1.06343	.16222	-.00500	1.17962	1.26935	-.02803	-.06499
.600	.000	-6.00000	-.00496	-.05147	1.06399	.16247	-.00391	1.19083	1.27038	-.00629	-.06537
.600	2.000	-6.00000	.01222	-.05145	1.06360	.16217	-.00459	1.20132	1.26947	.01551	-.06528
.600	4.000	-6.00000	.02935	-.05248	1.06244	.16147	-.00653	1.21114	1.26702	.03717	-.06646
.600	6.000	-6.00000	.04692	-.05403	1.05952	.16045	-.01052	1.22071	1.26201	.05918	-.06815
	GRADIENT	.00000	.00859	-.00009	.00002	-.00008	-.00005	.00533	-.00009	.01088	-.00011

RUN NO. 439/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.800	-6.000	-6.00000	-.07921	-.07425	1.09086	.27493	-.01315	1.31959	1.50449	-.11918	-.11171
.800	-4.000	-6.00000	-.05482	-.07217	1.09477	.27628	-.00766	1.34028	1.51269	-.08293	-.10917
.800	-2.000	-6.00000	-.03093	-.07154	1.09598	.27670	-.00597	1.35911	1.51524	-.04687	-.10839
.800	.000	-6.00000	-.00663	-.07201	1.09657	.27691	-.00510	1.37792	1.51651	-.01006	-.10920
.800	2.000	-6.00000	.01708	-.07279	1.09645	.27651	-.00576	1.39513	1.51550	.02588	-.11031
.800	4.000	-6.00000	.04147	-.07394	1.09512	.27577	-.00805	1.41212	1.51210	.06271	-.11180
.800	6.000	-6.00000	.06634	-.07565	1.09077	.27475	-.01346	1.42873	1.50399	.09977	-.11377
	GRADIENT	.00000	.01203	-.00024	.00006	-.00006	-.00003	.00899	-.00005	.01820	-.00036

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB25) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -6.000 PHI = .000

RUN NO. 480/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	-6.00000	-.08598	-.08107	1.10423	.33914	-.01217	1.44134	1.67090	-.14366	-.13546
.900	-4.000	-6.00000	-.06019	-.07923	1.10838	.34043	-.00642	1.46558	1.68046	-.10114	-.13315
.900	-2.000	-6.00000	-.03424	-.07820	1.11005	.33993	-.00563	1.48621	1.68172	-.05759	-.13152
.900	.000	-6.00000	-.00734	-.07856	1.11074	.34106	-.00330	1.51139	1.68564	-.01238	-.13243
.900	2.000	-6.00000	.01878	-.07989	1.10958	.34073	-.00489	1.53263	1.68303	.03161	-.13446
.900	4.000	-6.00000	.04511	-.08124	1.10729	.34021	-.00776	1.55350	1.67825	.07571	-.13634
.900	6.000	-6.00000	.07196	-.08336	1.10302	.33930	-.01301	1.57360	1.66946	.12014	-.13917
	GRADIENT	.00000	.01318	-.00029	-.00013	.00002	-.00010	.01111	-.00015	.02214	-.00047

RUN NO. 428/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.100	-6.000	-6.00000	-.09185	-.08581	1.11281	.47124	-.01335	1.79456	2.10456	-.19330	-.18060
1.100	-4.000	-6.00000	-.06393	-.08422	1.11717	.47188	-.00822	1.82590	2.11538	-.13524	-.17817
1.100	-2.000	-6.00000	-.03593	-.08336	1.11828	.47228	-.00643	1.85358	2.11908	-.07613	-.17664
1.100	.000	-6.00000	-.00829	-.08366	1.11902	.47203	-.00618	1.88545	2.11969	-.01758	-.17735
1.100	2.000	-6.00000	.02010	-.08466	1.11869	.47174	-.00713	1.91430	2.11770	.04257	-.17927
1.100	4.000	-6.00000	.04823	-.08593	1.11739	.47140	-.00887	1.94278	2.11389	.10195	-.18165
1.100	6.000	-6.00000	.07688	-.08844	1.11307	.47026	-.01496	1.96850	2.10117	.16154	-.18582
	GRADIENT	.00000	.01402	-.00024	.00004	-.00007	-.00010	.01456	-.00022	.02965	-.00048

RUN NO. 358/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.250	-6.000	-6.00000	-.10365	-.09381	1.13302	.55147	-.01203	2.09859	2.52607	-.26184	-.23698
1.250	-4.000	-6.00000	-.07218	-.09253	1.13688	.55209	-.00719	2.14100	2.53819	-.18319	-.23486
1.250	-2.000	-6.00000	-.04185	-.09323	1.13912	.55201	-.00542	2.17898	2.54274	-.10641	-.23708
1.250	.000	-6.00000	-.01052	-.09303	1.13979	.55176	-.00547	2.21755	2.54279	-.02676	-.23656
1.250	2.000	-6.00000	.02086	-.09481	1.13939	.55164	-.00602	2.25687	2.54125	.05301	-.24094
1.250	4.000	-6.00000	.05246	-.09567	1.13795	.55143	-.00782	2.29583	2.53681	.13309	-.24270
1.250	6.000	-6.00000	.08480	-.09885	1.13383	.55069	-.01307	2.33263	2.52350	.21398	-.24943
	GRADIENT	.00000	.01560	-.00039	.00012	-.00008	-.00009	.01938	-.00021	.03960	-.00098

RUN NO. 414/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.400	-6.000	-6.00000	-.11781	-.11269	1.17225	.61250	-.00778	2.40242	3.02512	-.35639	-.34088
1.400	-4.000	-6.00000	-.08120	-.10944	1.17613	.61269	-.00411	2.45862	3.03665	-.24657	-.33232
1.400	-2.000	-6.00000	-.04563	-.10750	1.17679	.61264	-.00365	2.51228	3.03800	-.13862	-.32659
1.400	.000	-6.00000	-.00971	-.10664	1.17687	.61288	-.00301	2.56838	3.04002	-.02953	-.32420
1.400	2.000	-6.00000	.02623	-.10765	1.17625	.61289	-.00350	2.62308	3.03855	.07969	-.32708
1.400	4.000	-6.00000	.06244	-.10975	1.17523	.61279	-.00463	2.67735	3.03514	.18951	-.33312
1.400	6.000	-6.00000	.09968	-.11306	1.16975	.61247	-.01008	2.73089	3.01847	.30088	-.34125
	GRADIENT	.00000	.01796	-.00004	-.00012	.00002	-.00004	.02741	-.00012	.05452	-.00010

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB25) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = -6.000 PHI = .000

RUN NO. 367/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.450	-6.000	-6.00000	-.12091	-.12095	1.19174	.62597	-.01300	2.48099	3.18625	-.38525	-.38539
1.450	-4.000	-6.00000	-.08157	-.11814	1.19572	.62625	-.00888	2.54514	3.19929	-.26095	-.37795
1.450	-2.000	-6.00000	-.04220	-.11595	1.19711	.62631	-.00756	2.60844	3.20351	-.13518	-.37148
1.450	.000	-6.00000	-.00387	-.11326	1.19743	.62674	-.00614	2.67287	3.20801	-.01243	-.36333
1.450	2.000	-6.00000	.03407	-.11263	1.19436	.62713	-.00767	2.73650	3.20319	.10913	-.36078
1.450	4.000	-6.00000	.07106	-.11322	1.19159	.62726	-.00966	2.79645	3.19686	.22718	-.36193
1.450	6.000	-6.00000	.10781	-.11419	1.18516	.62751	-.01446	2.85616	3.18174	.34303	-.36331
	GRADIENT	.00000	.01908	.00066	-.00055	.00014	-.00008	.03153	-.00026	.06103	.00214

RUN NO. 404/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.500	-6.000	-6.00000	-.13257	-.12956	1.22792	.63767	-.00718	2.53527	3.38892	-.44926	-.43906
1.500	-4.000	-6.00000	-.09040	-.12594	1.23181	.63697	-.00592	2.60126	3.39317	-.30673	-.42732
1.500	-2.000	-6.00000	-.04893	-.12441	1.23737	.63544	-.00558	2.66002	3.39417	-.16606	-.42225
1.500	.000	-6.00000	-.00771	-.12292	1.23973	.63503	-.00477	2.72697	3.39696	-.02621	-.41757
1.500	2.000	-6.00000	.03277	-.12294	1.23641	.63628	-.00405	2.80507	3.39937	.11139	-.41790
1.500	4.000	-6.00000	.07207	-.12292	1.22790	.63769	-.00713	2.88217	3.38906	.24425	-.41656
1.500	6.000	-6.00000	.11261	-.12609	1.22135	.63871	-.00967	2.95818	3.38051	.38068	-.42625
	GRADIENT	.00000	.02033	.00038	-.00044	.00011	-.00004	.03534	-.00015	.06897	.00129

RUN NO. 383/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.550	-6.000	-6.00000	-.16352	-.15289	1.40133	.61158	.00062	2.27956	3.60778	-.58996	-.55159
1.550	-4.000	-6.00000	-.11799	-.15401	1.46891	.59310	.00118	2.24462	3.60997	-.42594	-.55598
1.550	-2.000	-6.00000	-.06600	-.14483	1.50482	.58387	.00285	2.28374	3.61619	-.23867	-.52373
1.550	.000	-6.00000	-.01646	-.14201	1.49738	.58522	.00120	2.38123	3.61010	-.05942	-.51267
1.550	2.000	-6.00000	.03177	-.14921	1.48748	.58850	.00253	2.48758	3.61480	.11485	-.53939
1.550	4.000	-6.00000	.08368	-.16010	1.48604	.58800	.00033	2.57807	3.60686	.30182	-.57747
1.550	6.000	-6.00000	.13427	-.16377	1.42043	.60679	.00178	2.78568	3.61239	.48505	-.59158
	GRADIENT	.00000	.02506	-.00083	.00085	-.00028	-.00010	.04354	-.00038	.09045	-.00293

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB26) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -6.000 PHI = .000

RUN NO. 277/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.000	-6.00000	319.81495	2.47538	1271.74277	1621.44978	1.09341	110.49908	.00000	8.64038	-135.02125
.600	-4.000	-6.00000	320.57782	2.47923	1273.26741	1623.77156	1.09333	110.69578	.00000	7.37739	-123.53190
.600	-2.000	-6.00000	319.99819	2.47667	1272.13255	1622.03893	1.09341	110.50157	.00000	6.50373	-108.33375
.600	.000	-6.00000	320.60781	2.47998	1272.57590	1623.09636	1.09329	110.50947	.00000	6.18693	-90.09209
.600	2.000	-6.00000	320.20820	2.47688	1271.81056	1621.91434	1.09334	110.60652	.00000	6.50468	-71.68927
.600	4.000	-6.00000	319.71963	2.47515	1270.46407	1620.05254	1.09335	110.30376	.00000	7.37454	-56.50321
.600	6.000	-6.00000	319.87877	2.47577	1270.91675	1620.66983	1.09336	110.39190	.00000	8.62803	-45.17741
	GRADIENT	.00000	-.07532	-.00039	-.29643	-.37813	-.00000	-.03396	.00000	-.00024	8.53509

RUN NO. 315/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.000	-6.00000	348.89217	1.99412	615.89112	1041.29887	1.21929	110.70264	.00000	8.60509	-134.85621
.900	-4.000	-6.00000	348.23289	1.98954	613.00581	1037.52612	1.21911	110.59721	.00000	7.35293	-123.50902
.900	-2.000	-6.00000	350.14896	2.00023	617.44630	1044.35358	1.21922	110.83101	.00000	6.50418	-108.61836
.900	.000	-6.00000	348.33082	1.98967	613.81059	1038.48010	1.21917	110.79880	.00000	6.17213	-89.98410
.900	2.000	-6.00000	349.92282	1.99964	617.69218	1044.35660	1.21929	110.78254	.00000	6.48998	-71.63789
.900	4.000	-6.00000	348.74936	1.99426	613.85782	1039.00276	1.21910	110.19572	.00000	7.35486	-56.46659
.900	6.000	-6.00000	348.60776	1.99936	614.55821	1039.57866	1.21920	109.04441	.00000	8.60656	-45.18766
	GRADIENT	.00000	.04034	.00044	.09750	.14781	.00000	-.04257	.00000	-.00052	8.55327

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB26) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -6.000 PHI = .000

RUN NO. 277/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	-6.00000	-.05749	-.05223	1.05811	.16084	-.01114	1.15546	1.26092	-.07242	-.06579
.600	-4.000	-6.00000	-.04055	-.05147	1.06154	.16162	-.00718	1.16712	1.26618	-.05132	-.06514
.600	-2.000	-6.00000	-.02232	-.05131	1.06337	.16174	-.00511	1.17880	1.26855	-.02829	-.06504
.600	.000	-6.00000	-.00531	-.05142	1.06388	.16146	-.00529	1.18918	1.26873	-.00674	-.06524
.600	2.000	-6.00000	.01225	-.05177	1.06340	.16146	-.00561	1.20031	1.26816	.01552	-.06562
.600	4.000	-6.00000	.02923	-.05225	1.06156	.16136	-.00737	1.21089	1.26581	.03697	-.06609
.600	6.000	-6.00000	.04673	-.05359	1.05799	.16007	-.01237	1.21999	1.25961	.05883	-.06747
	GRADIENT	.00000	.00871	-.00010	.00000	-.00004	-.00004	.00545	-.00006	.01102	-.00012

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB26) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -6.000 PHI = .000

RUN NO. 315/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	-6.00000	-.08639	-.08169	1.09377	.33880	-.02206	1.44097	1.65422	-.14285	-.13508
.900	-4.000	-6.00000	-.05987	-.07991	1.09824	.34086	-.01584	1.46721	1.66616	-.09982	-.13324
.900	-2.000	-6.00000	-.03361	-.07874	1.09961	.34123	-.01332	1.48993	1.66918	-.05611	-.13145
.900	.000	-6.00000	-.00695	-.07884	1.10011	.34102	-.01345	1.51169	1.66941	-.01160	-.13166
.900	2.000	-6.00000	.01908	-.08006	1.09876	.34051	-.01480	1.53221	1.66607	.03177	-.13333
.900	4.000	-6.00000	.04609	-.08151	1.09708	.34112	-.01655	1.55612	1.66505	.07681	-.13583
.900	6.000	-6.00000	.07297	-.08330	1.09190	.33956	-.02317	1.57447	1.65328	.12066	-.13774
	GRADIENT	.00000	.01323	-.00023	-.00016	-.00001	-.00015	.01100	-.00027	.02206	-.00035

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB28) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -4.000 PHI = .000

RUN NO. 448/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.000	-4.00000	321.23613	2.49084	1276.57021	1627.79097	1.09334	109.60553	.00000	7.44216	-146.72893
.600	-4.000	-4.00000	322.80988	2.50126	1280.98650	1633.90030	1.09323	109.70787	.00000	5.87582	-135.30457
.600	-2.000	-4.00000	321.88218	2.49576	1279.09430	1631.02577	1.09335	109.61616	.00000	4.70928	-117.09818
.600	.000	-4.00000	322.53014	2.49998	1281.10304	1633.72765	1.09331	109.69339	.00000	4.21305	-89.86529
.600	2.000	-4.00000	321.56804	2.49567	1277.83530	1629.42645	1.09336	109.19612	.00000	4.67829	-63.52534
.600	4.000	-4.00000	321.71912	2.49661	1278.07701	1629.82474	1.09334	109.19525	.00000	5.84167	-45.17276
.600	6.000	-4.00000	322.97872	2.50556	1281.73558	1634.84067	1.09328	109.18459	.00000	7.36800	-33.74015
	GRADIENT	.00000	-.12478	-.00047	-.35390	-.48752	.00001	-.07226	.00000	-.00496	11.69182

RUN NO. 440/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.000	-4.00000	322.03914	1.99775	718.95808	1095.89291	1.17043	109.61044	.00000	7.37830	-146.33741
.800	-4.000	-4.00000	321.88887	1.99685	718.73515	1095.51266	1.17046	109.62131	.00000	5.86417	-135.21749
.800	-2.000	-4.00000	322.49348	2.00012	719.95458	1097.41826	1.17043	109.70858	.00000	4.68854	-116.57783
.800	.000	-4.00000	322.60406	2.00083	720.24239	1097.84317	1.17044	109.70853	.00000	4.21605	-90.29478
.800	2.000	-4.00000	323.41236	2.00493	722.01599	1100.55568	1.17043	109.90767	.00000	4.67412	-63.50988
.800	4.000	-4.00000	321.80578	1.99587	718.50848	1095.18092	1.17045	109.71912	.00000	5.83886	-45.17485
.800	6.000	-4.00000	322.51527	2.00026	720.01223	1097.50201	1.17043	109.70934	.00000	7.36615	-33.82414
	GRADIENT	.00000	.03764	.00014	.08040	.12370	-.00000	.01974	.00000	-.00325	11.65766

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB28) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -4.000 PHI = .000

RUN NO. 481/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.000	-4.00000	349.69897	1.99752	616.84380	1043.22020	1.21925	110.89914	.00000	7.41773	-146.73259
.900	-4.000	-4.00000	349.70567	1.99792	616.78077	1043.15497	1.21923	110.80007	.00000	5.85010	-135.21603
.900	-2.000	-4.00000	349.70269	1.99711	616.86659	1043.25043	1.21926	110.99463	.00000	4.68942	-116.91779
.900	.000	-4.00000	349.78503	1.99839	616.93195	1043.40465	1.21924	110.79853	.00000	4.20640	-89.99225
.900	2.000	-4.00000	349.76202	1.99787	616.91891	1043.36949	1.21925	110.89083	.00000	4.66488	-63.46060
.900	4.000	-4.00000	349.29264	1.99531	616.22985	1042.12732	1.21928	110.89277	.00000	5.82777	-45.13704
.900	6.000	-4.00000	349.37648	1.99568	616.27258	1042.25639	1.21925	110.89622	.00000	7.34987	-33.71387
	GRADIENT	.00000	-.03834	-.00022	-.05248	-.09681	.00000	.00408	.00000	-.00346	11.68076

RUN NO. 429/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-6.000	-4.00000	371.04242	1.89589	438.20922	935.56922	1.33740	109.61080	.00000	7.34367	-146.36641
1.100	-4.000	-4.00000	371.70638	1.89918	438.87857	937.04933	1.33747	109.60019	.00000	5.84311	-135.39165
1.100	-2.000	-4.00000	371.95757	1.90007	439.18111	937.68737	1.33746	109.69212	.00000	4.68927	-117.55134
1.100	.000	-4.00000	372.37479	1.90214	439.65687	938.71552	1.33747	109.70141	.00000	4.18674	-89.71694
1.100	2.000	-4.00000	372.93625	1.90549	440.39150	940.21491	1.33749	109.60462	.00000	4.64954	-63.52177
1.100	4.000	-4.00000	373.28957	1.90619	441.01631	941.35764	1.33751	109.90864	.00000	5.80588	-45.14531
1.100	6.000	-4.00000	372.85258	1.90370	440.23491	939.94672	1.33746	109.90547	.00000	7.32319	-33.76834
	GRADIENT	.00000	.20725	.00097	.27429	.55721	.00001	.02647	.00000	-.00571	11.72611

RUN NO. 359/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.000	-4.00000	404.68770	1.95131	369.99671	958.40444	1.42332	110.59702	.00000	7.30685	-146.14179
1.250	-4.000	-4.00000	404.57736	1.95036	369.91504	958.17226	1.42331	110.69900	.00000	5.82434	-135.18530
1.250	-2.000	-4.00000	404.04117	1.94776	369.42303	956.90321	1.42330	110.70083	.00000	4.67102	-116.90878
1.250	.000	-4.00000	403.72667	1.94446	369.13382	956.15497	1.42331	111.09839	.00000	4.18898	-90.09552
1.250	2.000	-4.00000	404.82526	1.94611	370.13508	958.74985	1.42331	111.90823	.00000	4.64656	-63.51609
1.250	4.000	-4.00000	404.60919	1.94475	369.97440	958.31339	1.42328	111.99482	.00000	5.80284	-45.15703
1.250	6.000	-4.00000	404.09424	1.94276	369.51507	957.10625	1.42328	111.88900	.00000	7.32107	-33.80941
	GRADIENT	.00000	.04239	-.00064	.04154	.10645	-.00000	.18995	.00000	-.00337	11.67246

RUN NO. 415/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-6.000	-4.00000	429.58146	2.00246	313.12272	996.42262	1.49359	109.79927	.00000	7.33456	-146.39183
1.400	-4.000	-4.00000	429.68806	2.00386	313.18159	996.63519	1.49361	109.59784	.00000	5.83422	-135.40165
1.400	-2.000	-4.00000	428.45695	1.99860	312.28934	993.78864	1.49361	109.49658	.00000	4.68682	-117.62309
1.400	.000	-4.00000	430.41612	2.00769	313.71764	998.33096	1.49360	109.50778	.00000	4.17972	-89.85108
1.400	2.000	-4.00000	428.77143	1.99815	312.53014	994.53732	1.49359	109.91189	.00000	4.64104	-63.50039
1.400	4.000	-4.00000	430.36134	2.00557	313.68682	998.22146	1.49360	109.90857	.00000	5.79733	-45.15880
1.400	6.000	-4.00000	428.97845	2.00006	312.68346	995.02315	1.49359	109.71002	.00000	7.31195	-33.72803
	GRADIENT	.00000	.08305	.00015	.06256	.19606	-.00000	.05184	.00000	-.00598	11.73042

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB28) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = -4.000 PHI = .000

RUN NO. 368/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-6.000	-4.00000	433.29379	1.99869	294.41256	1005.77003	1.51367	110.79267	.00000	7.33254	-146.34829
1.450	-4.000	-4.00000	432.94050	1.99798	294.17313	1004.94515	1.51367	110.59730	.00000	5.83324	-135.36583
1.450	-2.000	-4.00000	432.57650	1.99679	293.92726	1004.10596	1.51367	110.49527	.00000	4.65601	-116.63723
1.450	.000	-4.00000	432.53920	1.99565	293.89451	1004.00683	1.51368	110.69702	.00000	4.18531	-90.15854
1.450	2.000	-4.00000	433.22089	1.99979	294.36567	1005.60473	1.51367	110.48615	.00000	4.64075	-63.45445
1.450	4.000	-4.00000	433.50160	2.00103	294.55163	1006.24863	1.51368	110.49686	.00000	5.79619	-45.10038
1.450	6.000	-4.00000	433.33214	2.00117	294.43836	1005.85293	1.51367	110.29953	.00000	7.31480	-33.79254
	GRADIENT	.00000	.08833	.00046	.05977	.20529	.00000	-.01050	.00000	-.00447	11.68568

RUN NO. 405/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.000	-4.00000	435.29826	1.99721	276.37925	1014.60021	1.53224	110.30286	.00000	7.31942	-146.29810
1.500	-4.000	-4.00000	434.96588	1.99756	276.18408	1013.85299	1.53222	109.90945	.00000	5.85505	-135.59505
1.500	-2.000	-4.00000	435.07116	1.99715	276.24407	1014.08646	1.53223	110.09827	.00000	4.66259	-116.82129
1.500	.000	-4.00000	435.44661	1.99698	276.48519	1014.96483	1.53222	110.50269	.00000	4.17972	-89.81830
1.500	2.000	-4.00000	435.45427	1.99793	276.48448	1014.97297	1.53223	110.30533	.00000	4.64181	-63.49841
1.500	4.000	-4.00000	435.32426	1.99731	276.39811	1014.66853	1.53224	110.30988	.00000	5.79775	-45.13162
1.500	6.000	-4.00000	435.40406	1.99720	276.45781	1014.86539	1.53222	110.41282	.00000	7.31240	-33.72480
	GRADIENT	.00000	.05499	.00001	.03342	.12588	.00000	.05040	.00000	-.00677	11.71249

RUN NO. 385/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-6.000	-4.00000	438.19474	1.99780	260.57224	1028.83987	1.54938	110.90307	.00000	7.27458	-145.95903
1.550	-4.000	-4.00000	436.84944	1.99211	259.74822	1025.62862	1.54940	110.80108	.00000	5.82950	-135.26271
1.550	-2.000	-4.00000	437.26060	1.99454	259.99701	1026.60811	1.54940	110.68357	.00000	4.68238	-117.43879
1.550	.000	-4.00000	438.23722	1.99845	260.59530	1028.93239	1.54939	110.80653	.00000	4.17955	-89.78980
1.550	2.000	-4.00000	436.69264	1.99273	259.67179	1025.29265	1.54939	110.52076	.00000	4.64247	-63.43192
1.550	4.000	-4.00000	438.22879	1.99931	260.57458	1028.87990	1.54940	110.60800	.00000	5.79624	-45.10290
1.550	6.000	-4.00000	438.51088	1.99966	260.75010	1029.56030	1.54939	110.81202	.00000	7.31324	-33.74996
	GRADIENT	.00000	.10954	.00063	.06637	.25936	-.00000	-.02745	.00000	-.00532	11.71633

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB28) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -4.000 PHI = .000

RUN NO. 448/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	-4.00000	-.05462	-.03554	1.05510	.16763	-.00594	1.16680	1.26759	-.06918	-.04502
.600	-4.000	-4.00000	-.03782	-.03467	1.05721	.16843	-.00327	1.17850	1.27134	-.04808	-.04407
.600	-2.000	-4.00000	-.02142	-.03423	1.05770	.16956	-.00115	1.19056	1.27367	-.02726	-.04365
.600	.000	-4.00000	-.00421	-.03457	1.05771	.16949	-.00132	1.20139	1.27356	-.00536	-.04400
.600	2.000	-4.00000	.01250	-.03526	1.05764	.16939	-.00142	1.21189	1.27334	.01591	-.04486
.600	4.000	-4.00000	.02975	-.03636	1.05696	.16886	-.00277	1.22207	1.27169	.03780	-.04621
.600	6.000	-4.00000	.04637	-.03724	1.05467	.16743	-.00689	1.23047	1.26677	.05875	-.04718
	GRADIENT	.00000	.00845	-.00022	-.00003	.00003	.00004	.00542	.00002	.01075	-.00027

RUN NO. 440/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.800	-6.000	-4.00000	-.07625	-.04921	1.08508	.28296	-.00726	1.33693	1.51328	-.11539	-.07446
.800	-4.000	-4.00000	-.05320	-.04859	1.08749	.28372	-.00392	1.35572	1.51825	-.08077	-.07377
.800	-2.000	-4.00000	-.02950	-.04775	1.08778	.28446	-.00266	1.37513	1.52024	-.04484	-.07259
.800	.000	-4.00000	-.00601	-.04818	1.08785	.28473	-.00213	1.39360	1.52101	-.00915	-.07328
.800	2.000	-4.00000	.01748	-.04936	1.08772	.28474	-.00233	1.41138	1.52073	.02659	-.07507
.800	4.000	-4.00000	.04162	-.05050	1.08666	.28422	-.00399	1.42868	1.51816	.06318	-.07666
.800	6.000	-4.00000	.06601	-.05268	1.08389	.28260	-.00887	1.44380	1.51087	.09974	-.07959
	GRADIENT	.00000	.01183	-.00027	-.00009	.00006	.00001	.00911	.00002	.01797	-.00041

RUN NO. 481/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	-4.00000	-.08330	-.05408	1.09705	.34722	-.00633	1.46191	1.68057	-.13999	-.09089
.900	-4.000	-4.00000	-.05768	-.05305	1.09948	.34826	-.00255	1.48570	1.68699	-.09730	-.08950
.900	-2.000	-4.00000	-.03232	-.05262	1.10002	.34876	-.00123	1.50824	1.68912	-.05460	-.08889
.900	.000	-4.00000	-.00660	-.05313	1.10022	.34869	-.00120	1.52980	1.68925	-.01115	-.08975
.900	2.000	-4.00000	.01966	-.05502	1.09979	.34836	-.00208	1.55119	1.68774	.03318	-.09285
.900	4.000	-4.00000	.04584	-.05644	1.09779	.34825	-.00400	1.57294	1.68438	.07721	-.09506
.900	6.000	-4.00000	.07162	-.05779	1.09472	.34725	-.00843	1.59203	1.67708	.12011	-.09691
	GRADIENT	.00000	.01295	-.00046	-.00018	-.00002	-.00019	.01087	-.00033	.02184	-.00075

RUN NO. 429/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.100	-6.000	-4.00000	-.08875	-.05718	1.10516	.47726	-.00771	1.81910	2.11608	-.18781	-.12101
1.100	-4.000	-4.00000	-.06233	-.05630	1.10832	.47805	-.00441	1.84970	2.12340	-.13234	-.11955
1.100	-2.000	-4.00000	-.03457	-.05560	1.10901	.47855	-.00280	1.88098	2.12678	-.07351	-.11825
1.100	.000	-4.00000	-.00703	-.05610	1.10899	.47857	-.00281	1.91031	2.12681	-.01496	-.11931
1.100	2.000	-4.00000	.02034	-.05767	1.10906	.47852	-.00276	1.93926	2.12676	.04325	-.12266
1.100	4.000	-4.00000	.04827	-.05926	1.10801	.47782	-.00482	1.96625	2.12189	.10242	-.12574
1.100	6.000	-4.00000	.07636	-.06099	1.10460	.47724	-.00935	1.99358	2.11300	.16134	-.12888
	GRADIENT	.00000	.01380	-.00040	-.00003	-.00002	-.00004	.01457	-.00015	.02931	-.00084

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB28) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -4.000 PHI = .000

RUN NO. 359/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.250	-6.000	-4.00000	-.10016	-.06139	1.12449	.55703	-.00720	2.13034	2.53850	-.25426	-.15585
1.250	-4.000	-4.00000	-.07112	-.06145	1.12737	.55761	-.00326	2.16983	2.54836	-.18125	-.15658
1.250	-2.000	-4.00000	-.04113	-.06170	1.12831	.55817	-.00116	2.21080	2.55373	-.10502	-.15757
1.250	.000	-4.00000	-.01076	-.06339	1.12898	.55792	-.00115	2.24827	2.55376	-.02749	-.16187
1.250	2.000	-4.00000	.02077	-.06571	1.12904	.55786	-.00124	2.28823	2.55355	.05304	-.16779
1.250	4.000	-4.00000	.05261	-.06739	1.12780	.55744	-.00320	2.32661	2.54835	.13406	-.17174
1.250	6.000	-4.00000	.08341	-.06857	1.12430	.55649	-.00847	2.36047	2.53500	.21145	-.17382
	GRADIENT	.00000	.01547	-.00080	.00008	-.00003	.00000	.01955	-.00001	.03943	-.00203

RUN NO. 415/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.400	-6.000	-4.00000	-.11388	-.07544	1.16239	.61748	-.00341	2.44119	3.03873	-.34604	-.22925
1.400	-4.000	-4.00000	-.07886	-.07292	1.16370	.61778	-.00153	2.49626	3.04458	-.24008	-.22202
1.400	-2.000	-4.00000	-.04399	-.07158	1.16409	.61801	-.00059	2.55082	3.04741	-.13405	-.21813
1.400	.000	-4.00000	-.00893	-.07178	1.16430	.61790	-.00070	2.60347	3.04706	-.02723	-.21872
1.400	2.000	-4.00000	.02590	-.07322	1.16390	.61797	-.00083	2.65702	3.04660	.07889	-.22305
1.400	4.000	-4.00000	.06123	-.07518	1.16293	.61806	-.00144	2.71140	3.04476	.18642	-.22890
1.400	6.000	-4.00000	.09795	-.07769	1.15982	.61774	-.00493	2.76466	3.03415	.29722	-.23572
	GRADIENT	.00000	.01750	-.00031	-.00009	.00003	-.00000	.02682	-.00002	.05330	-.00093

RUN NO. 368/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.450	-6.000	-4.00000	-.11877	-.08397	1.18226	.63086	-.00778	2.51883	3.20279	-.38040	-.26894
1.450	-4.000	-4.00000	-.08092	-.08189	1.18570	.63130	-.00366	2.58214	3.21593	-.26024	-.26334
1.450	-2.000	-4.00000	-.04171	-.07941	1.18630	.63104	-.00385	2.64330	3.21531	-.13411	-.25533
1.450	.000	-4.00000	-.00334	-.07610	1.18647	.63109	-.00360	2.70534	3.21617	-.01075	-.24475
1.450	2.000	-4.00000	.03307	-.07548	1.18507	.63141	-.00392	2.76616	3.21509	.10631	-.24266
1.450	4.000	-4.00000	.07041	-.07543	1.18163	.63212	-.00491	2.83133	3.21196	.22614	-.24229
1.450	6.000	-4.00000	.10632	-.07636	1.17506	.63222	-.01024	2.88885	3.19499	.33967	-.24398
	GRADIENT	.00000	.01887	.00084	-.00047	.00010	-.00013	.03106	-.00041	.06066	.00274

RUN NO. 405/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.500	-6.000	-4.00000	-.12886	-.08870	1.21822	.64104	-.00576	2.56716	3.39373	-.43730	-.30101
1.500	-4.000	-4.00000	-.08876	-.08771	1.22801	.63903	-.00328	2.61932	3.40195	-.30194	-.29838
1.500	-2.000	-4.00000	-.04633	-.08506	1.22581	.63977	-.00304	2.69717	3.40282	-.15764	-.28944
1.500	.000	-4.00000	-.00632	-.08395	1.23223	.63768	-.00359	2.74923	3.40094	-.02151	-.28550
1.500	2.000	-4.00000	.03304	-.08261	1.22674	.63915	-.00400	2.82741	3.39960	.11233	-.28084
1.500	4.000	-4.00000	.07197	-.08309	1.22142	.64086	-.00361	2.90683	3.40098	.24476	-.28259
1.500	6.000	-4.00000	.11170	-.08564	1.21359	.64193	-.00705	2.98205	3.38926	.37860	-.29028
	GRADIENT	.00000	.02004	.00058	-.00061	.00015	-.00008	.03526	-.00026	.06817	.00201

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB28) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -4.000 PHI = .000

RUN NO. 385/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.550	-6.000	-4.00000	-.16272	-.10483	1.44999	.59821	.00091	2.19527	3.60883	-.58721	-.37831
1.550	-4.000	-4.00000	-.10899	-.10099	1.50162	.58424	.00163	2.20838	3.61171	-.39365	-.36475
1.550	-2.000	-4.00000	-.05766	-.09113	1.51414	.58082	.00176	2.28146	3.61211	-.20827	-.32934
1.550	.000	-4.00000	-.01495	-.09023	1.50959	.58118	-.00032	2.36072	3.60440	-.05389	-.32522
1.550	2.000	-4.00000	.02603	-.09276	1.50858	.58202	.00100	2.43944	3.60925	.09394	-.33481
1.550	4.000	-4.00000	.07964	-.11040	1.50282	.58386	.00155	2.54687	3.61136	.28763	-.39869
1.550	6.000	-4.00000	.13803	-.11844	1.44757	.59897	.00111	2.74272	3.60965	.49825	-.42754
	GRADIENT	.00000	.02305	-.00102	-.00016	.00002	-.00005	.04175	-.00018	.08324	-.00367

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB29) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -4.000 PHI = .000

RUN NO. 278/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.000	-4.00000	320.06665	2.47771	1271.53032	1621.48965	1.09333	110.29169	.00000	7.42719	-146.61500
.600	-4.000	-4.00000	320.17565	2.47854	1272.02097	1622.09773	1.09336	110.29919	.00000	5.82803	-134.70505
.600	-2.000	-4.00000	319.95974	2.47724	1271.66867	1621.52719	1.09340	110.29101	.00000	4.69188	-116.79490
.600	.000	-4.00000	319.75705	2.47714	1271.52060	1621.16827	1.09342	110.10123	.00000	4.21540	-89.96703
.600	2.000	-4.00000	320.92768	2.48447	1274.34238	1625.22078	1.09331	110.20230	.00000	4.67522	-63.58572
.600	4.000	-4.00000	320.14465	2.47920	1272.43759	1622.49229	1.09338	110.19923	.00000	5.83939	-45.15830
.600	6.000	-4.00000	319.13823	2.47177	1268.99561	1617.96843	1.09342	110.19746	.00000	7.37391	-33.91391
	GRADIENT	.00000	.04530	.00043	.17535	.22413	-.00000	-.01443	.00000	.00030	11.61513

RUN NO. 316/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.000	-4.00000	348.78723	1.99692	614.79462	1040.02916	1.21919	109.79875	.00000	7.36645	-146.30199
.900	-4.000	-4.00000	349.03080	1.99808	615.52000	1041.06686	1.21923	109.90092	.00000	5.79194	-134.31353
.900	-2.000	-4.00000	348.96232	1.99767	615.42259	1040.88597	1.21923	109.90741	.00000	4.64386	-115.71610
.900	.000	-4.00000	348.97412	1.99632	615.33127	1040.80348	1.21921	110.20230	.00000	4.21373	-89.95325
.900	2.000	-4.00000	348.90142	1.99592	615.15779	1040.53900	1.21921	110.18983	.00000	4.66968	-63.65698
.900	4.000	-4.00000	349.31618	1.99918	615.94221	1041.83163	1.21921	110.00307	.00000	5.82805	-45.17857
.900	6.000	-4.00000	349.51888	1.99930	615.54359	1041.64313	1.21914	110.10981	.00000	7.35406	-33.87462
	GRADIENT	.00000	.02549	.00002	.02898	.05913	-.00000	.02434	.00000	.00490	11.51645

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB29) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = -4.000 PHI = .000

RUN NO. 278/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	-4.00000	-.05527	-.03467	1.05384	.16709	-.00787	1.16566	1.26526	-.06990	-.04384
.600	-4.000	-4.00000	-.03883	-.03408	1.05608	.16821	-.00437	1.17759	1.26965	-.04928	-.04324
.600	-2.000	-4.00000	-.02168	-.03444	1.05708	.16870	-.00276	1.18916	1.27159	-.02755	-.04376
.600	.000	-4.00000	-.00459	-.03437	1.05699	.16881	-.00260	1.20017	1.27166	-.00583	-.04367
.600	2.000	-4.00000	.01207	-.03514	1.05663	.16829	-.00386	1.21001	1.27044	.01533	-.04463
.600	4.000	-4.00000	.02951	-.03639	1.05583	.16794	-.00485	1.22056	1.26894	.03742	-.04615
.600	6.000	-4.00000	.04647	-.03689	1.05325	.16713	-.00821	1.23002	1.26460	.05870	-.04660
	GRADIENT	.00000	.00852	-.00027	-.00005	-.00005	-.00010	.00534	-.00013	.01081	-.00033

RUN NO. 316/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	-4.00000	-.08362	-.05460	1.08669	.34723	-.01619	1.46231	1.66472	-.13924	-.09092
.900	-4.000	-4.00000	-.05780	-.05331	1.08951	.34827	-.01176	1.48606	1.67170	-.09662	-.08913
.900	-2.000	-4.00000	-.03236	-.05264	1.08990	.34884	-.01049	1.50863	1.67378	-.05417	-.08811
.900	.000	-4.00000	-.00641	-.05293	1.08994	.34877	-.01063	1.53020	1.67367	-.01073	-.08860
.900	2.000	-4.00000	.01968	-.05453	1.08943	.34874	-.01117	1.55196	1.67282	.03292	-.09124
.900	4.000	-4.00000	.04607	-.05555	1.08787	.34819	-.01346	1.57264	1.66899	.07690	-.09272
.900	6.000	-4.00000	.07270	-.05737	1.08461	.34743	-.01817	1.59285	1.66206	.12089	-.09540
	GRADIENT	.00000	.01299	-.00032	-.00019	-.00001	-.00020	.01082	-.00032	.02171	-.00052

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB31) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = -2.000 PHI = .000

RUN NO. 449/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.000	-2.00000	323.13659	2.50469	1282.74664	1636.02841	1.09329	109.60258	.00000	6.36015	-160.30618
.600	-4.000	-2.00000	321.79071	2.49318	1278.29570	1630.11903	1.09333	109.90039	.00000	4.67442	-153.37314
.600	-2.000	-2.00000	320.96164	2.48662	1275.63614	1626.56502	1.09336	109.99868	.00000	3.14452	-137.20981
.600	.000	-2.00000	323.13070	2.50258	1282.98267	1636.25929	1.09329	110.00186	.00000	2.26318	-91.30801
.600	2.000	-2.00000	321.69772	2.49405	1277.82616	1629.55083	1.09334	109.60413	.00000	3.05458	-45.54970
.600	4.000	-2.00000	322.60025	2.49940	1281.35060	1634.05795	1.09333	109.89256	.00000	4.66793	-26.75584
.600	6.000	-2.00000	321.66613	2.49256	1277.43320	1629.11166	1.09330	109.79437	.00000	6.49401	-18.45650
	GRADIENT	.00000	.11776	.00099	.41499	.54318	-.00000	-.02051	.00000	-.00515	17.24474

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB31) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -2.000 PHI = .000

RUN NO. 441/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.000	-2.00000	321.83847	1.99650	718.46529	1095.15762	1.17042	109.60638	.00000	6.43569	-161.00413
.800	-4.000	-2.00000	322.61328	2.00040	720.18290	1097.78036	1.17042	109.80423	.00000	4.58912	-152.19772
.800	-2.000	-2.00000	322.51844	1.99985	720.02534	1097.51950	1.17043	109.80303	.00000	3.01625	-133.63108
.800	.000	-2.00000	322.19451	1.99881	719.61089	1096.77560	1.17050	109.63711	.00000	2.25529	-90.76881
.800	2.000	-2.00000	322.62858	2.00141	720.27021	1097.89421	1.17043	109.61169	.00000	3.05424	-45.53148
.800	4.000	-2.00000	322.45737	2.00124	719.88625	1097.30905	1.17043	109.41332	.00000	4.66515	-26.71545
.800	6.000	-2.00000	322.43999	2.00069	719.81422	1097.21167	1.17042	109.50559	.00000	6.49209	-18.53746
	GRADIENT	.00000	-.01008	.00016	-.01742	-.02840	.00000	-.04866	.00000	.00950	16.95321

RUN NO. 482/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.000	-2.00000	349.77595	1.99832	616.89312	1043.35051	1.21923	110.79701	.00000	6.17604	-158.94404
.900	-4.000	-2.00000	349.41087	1.99627	616.29388	1042.31410	1.21924	110.79967	.00000	4.61245	-152.74752
.900	-2.000	-2.00000	349.16467	1.99438	615.81998	1041.53357	1.21923	110.89927	.00000	3.15845	-137 59511
.900	.000	-2.00000	348.91204	1.99297	615.41316	1040.82362	1.21924	110.89966	.00000	2.22734	-88.94518
.900	2.000	-2.00000	350.00250	1.99884	617.40634	1044.16219	1.21926	110.98978	.00000	3.04794	-45.35662
.900	4.000	-2.00000	349.81481	1.99726	617.01973	1043.53392	1.21925	111.09653	.00000	4.65896	-26.71548
.900	6.000	-2.00000	348.65665	1.99118	615.06741	1040.18379	1.21927	110.99603	.00000	6.48075	-18.45598
	GRADIENT	.00000	.08229	.00032	.15190	.25341	.00000	.03421	.00000	-.00087	17.21513

RUN NO. 430/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-6.000	-2.00000	371.52776	1.89782	438.64675	936.56905	1.33748	109.69717	.00000	6.55224	-162.41292
1.100	-4.000	-2.00000	373.76357	1.90908	441.60471	942.58662	1.33751	109.80623	.00000	4.63954	-153.30113
1.100	-2.000	-2.00000	371.36277	1.89755	438.62476	936.35488	1.33749	109.60516	.00000	3.17093	-138.18238
1.100	.000	-2.00000	371.89253	1.89925	439.09593	937.51727	1.33747	109.80073	.00000	2.22227	-89.01641
1.100	2.000	-2.00000	371.86061	1.89953	439.07647	937.46709	1.33745	109.70368	.00000	3.03422	-45.19352
1.100	4.000	-2.00000	372.29626	1.90137	439.67616	938.64762	1.33749	109.81076	.00000	4.64156	-26.71802
1.100	6.000	-2.00000	372.50775	1.90149	439.81714	939.06133	1.33746	110.00663	.00000	6.45528	-18.42020
	GRADIENT	.00000	-.12184	-.00067	-.17027	-.33829	-.00000	.00538	.00000	-.00663	17.30775

RUN NO. 360/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.000	-2.00000	404.14569	1.94787	369.53137	957.17130	1.42329	110.79048	.00000	6.27760	-160.04346
1.250	-4.000	-2.00000	404.74350	1.95117	370.06929	958.57481	1.42330	110.69692	.00000	4.62135	-153.11499
1.250	-2.000	-2.00000	404.33877	1.94873	369.69484	957.60836	1.42331	110.80365	.00000	3.10398	-136.38279
1.250	.000	-2.00000	403.03005	1.94292	368.49265	954.49692	1.42332	110.68965	.00000	2.22834	-89.53213
1.250	2.000	-2.00000	403.51713	1.94568	368.94374	955.65753	1.42331	110.59980	.00000	3.03332	-45.25613
1.250	4.000	-2.00000	403.85450	1.94639	369.25031	956.45319	1.42331	110.80291	.00000	4.63873	-26.67489
1.250	6.000	-2.00000	404.11205	1.94682	369.49060	957.07552	1.42330	110.98882	.00000	6.45354	-18.52157
	GRADIENT	.00000	-.12998	-.00063	-.11945	-.30970	.00000	.00041	.00000	-.00180	17.20034

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB31) (08 DEC 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

BETA = -2.000 PHI = .000

RUN NO. 416/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-6.000	-2.00000	429.43085	2.00261	313.00045	996.05017	1.49360	109.60971	.00000	6.50921	-162.14833
1.400	-4.000	-2.00000	429.33882	2.00221	312.93174	995.83277	1.49360	109.60564	.00000	4.66042	-153.70792
1.400	-2.000	-2.00000	429.11667	2.00115	312.76919	995.31491	1.49361	109.60710	.00000	3.15994	-138.19501
1.400	.000	-2.00000	428.91887	2.00026	312.62852	994.86511	1.49360	109.60502	.00000	2.21425	-88.84799
1.400	2.000	-2.00000	429.75217	2.00367	313.22980	996.78779	1.49361	109.70310	.00000	3.03380	-45.50503
1.400	4.000	-2.00000	430.04585	2.00547	313.47808	997.52309	1.49358	109.62236	.00000	4.63614	-26.76173
1.400	6.000	-2.00000	430.44129	2.01046	313.75682	998.42060	1.49359	108.94899	.00000	6.44864	-18.53946
	GRADIENT	.00000	.10248	.00045	.07766	.24268	-.00000	.00647	.00000	-.00873	17.32912

RUN NO. 369/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-6.000	-2.00000	433.59941	2.00011	294.62104	1006.48250	1.51367	110.79288	.00000	6.18355	-159.28756
1.450	-4.000	-2.00000	433.12284	1.99787	294.29314	1005.36339	1.51367	110.79807	.00000	4.60606	-152.93203
1.450	-2.000	-2.00000	432.35229	1.99434	293.77113	1003.58073	1.51368	110.79581	.00000	3.01252	-134.25633
1.450	.000	-2.00000	433.44810	1.99939	294.51916	1006.12852	1.51367	110.79492	.00000	2.22286	-89.32923
1.450	2.000	-2.00000	432.96661	1.99584	294.19978	1005.02167	1.51367	111.08480	.00000	3.03098	-45.20604
1.450	4.000	-2.00000	432.33727	1.99428	293.75667	1003.53928	1.51368	110.79198	.00000	4.63605	-26.70758
1.450	6.000	-2.00000	432.62057	1.99559	293.95398	1004.20476	1.51367	110.79044	.00000	6.44783	-18.44162
	GRADIENT	.00000	-.04784	-.00028	-.03222	-.11036	-.00000	.01384	.00000	.00392	17.07496

RUN NO. 406/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.000	-2.00000	435.09782	1.99676	276.25599	1014.13972	1.53223	110.20448	.00000	6.24010	-159.80269
1.500	-4.000	-2.00000	435.10643	1.99730	276.26739	1014.17134	1.53222	110.09945	.00000	4.53517	-151.96920
1.500	-2.000	-2.00000	435.05016	1.99653	276.23578	1014.04633	1.53222	110.21135	.00000	3.01849	-134.32641
1.500	.000	-2.00000	435.21560	1.99641	276.32746	1014.41036	1.53224	110.39465	.00000	2.21489	-88.91217
1.500	2.000	-2.00000	434.99791	1.99678	276.18866	1013.90115	1.53224	110.10130	.00000	3.03147	-45.20405
1.500	4.000	-2.00000	435.49475	2.00092	276.50627	1015.06064	1.53223	109.70484	.00000	4.63549	-26.68156
1.500	6.000	-2.00000	436.32196	2.00343	277.04878	1017.02137	1.53222	109.98557	.00000	6.44864	-18.50883
	GRADIENT	.00000	.03622	.00037	.02153	.08167	.00000	-.04496	.00000	.01068	16.98488

RUN NO. 386/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-6.000	-2.00000	437.45787	2.00101	260.13152	1027.10594	1.54938	109.50569	.00000	6.39174	-160.98432
1.550	-4.000	-2.00000	438.18671	2.00388	260.56951	1028.82304	1.54938	109.60611	.00000	4.61349	-153.07162
1.550	-2.000	-2.00000	438.41537	2.00383	260.68786	1029.32077	1.54940	109.82857	.00000	3.14612	-137.93699
1.550	.000	-2.00000	437.05466	1.99915	259.89252	1026.15388	1.54939	109.50816	.00000	2.22727	-90.00106
1.550	2.000	-2.00000	438.54128	2.00601	260.75445	1029.60323	1.54940	109.48736	.00000	3.03320	-45.22975
1.550	4.000	-2.00000	438.08579	2.00386	260.49871	1028.56830	1.54939	109.50892	.00000	4.63614	-26.75000
1.550	6.000	-2.00000	437.49722	2.00117	260.13278	1027.15065	1.54941	109.50126	.00000	6.44852	-18.46996
	GRADIENT	.00000	-.00380	.00011	-.00375	-.01135	.00000	-.02678	.00000	-.00338	17.26752

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB31) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -2.000 PHI = .000

RUN NO. 449/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	-2.00000	-.05319	-.01762	1.05222	.17139	-.00438	1.17307	1.26985	-.06753	-.02237
.600	-4.000	-2.00000	-.03672	-.01735	1.05356	.17282	-.00121	1.18556	1.27369	-.04674	-.02209
.600	-2.000	-2.00000	-.02055	-.01753	1.05353	.17355	-.00026	1.19691	1.27477	-.02618	-.02233
.600	.000	-2.00000	-.00349	-.01823	1.05336	.17357	-.00061	1.20780	1.27458	-.00445	-.02323
.600	2.000	-2.00000	.01322	-.01916	1.05318	.17313	-.00123	1.21779	1.27369	.01683	-.02440
.600	4.000	-2.00000	.02999	-.01967	1.05288	.17269	-.00205	1.22781	1.27266	.03814	-.02501
.600	6.000	-2.00000	.04698	-.02066	1.05125	.17187	-.00462	1.23735	1.26944	.05961	-.02621
	GRADIENT	.00000	.00836	-.00031	-.00009	-.00003	-.00013	.00527	-.00016	.01064	-.00040

RUN NO. 441/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.800	-6.000	-2.00000	-.07468	-.02459	1.08072	.28667	-.00612	1.34530	1.51503	-.11315	-.03726
.800	-4.000	-2.00000	-.05160	-.02433	1.08215	.28828	-.00252	1.36582	1.52047	-.07845	-.03699
.800	-2.000	-2.00000	-.02788	-.02418	1.08198	.28921	-.00134	1.38567	1.52222	-.04244	-.03681
.800	.000	-2.00000	-.00440	-.02493	1.08174	.28953	-.00094	1.40423	1.52264	-.00669	-.03795
.800	2.000	-2.00000	.01810	-.02595	1.08157	.28943	-.00141	1.42110	1.52212	.02755	-.03949
.800	4.000	-2.00000	.04214	-.02770	1.08121	.28873	-.00274	1.43796	1.52011	.06405	-.04211
.800	6.000	-2.00000	.06534	-.02876	1.07902	.28762	-.00635	1.45323	1.51468	.09896	-.04356
	GRADIENT	.00000	.01167	-.00043	-.00011	.00006	-.00003	.00899	-.00004	.01775	-.00065

RUN NO. 482/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	-2.00000	-.08156	-.02730	1.09238	.35115	-.00460	1.47253	1.68355	-.13732	-.04595
.900	-4.000	-2.00000	-.05623	-.02666	1.09349	.35259	-.00132	1.49713	1.68903	-.09498	-.04502
.900	-2.000	-2.00000	-.03072	-.02683	1.09336	.35274	-.00123	1.51903	1.68922	-.05189	-.04533
.900	.000	-2.00000	-.00492	-.02829	1.09314	.35351	-.00022	1.54265	1.69088	-.00832	-.04784
.900	2.000	-2.00000	.02003	-.02894	1.09243	.35190	-.00333	1.55985	1.68558	.03377	-.04879
.900	4.000	-2.00000	.04572	-.03072	1.09175	.35292	-.00240	1.58396	1.68719	.07713	-.05183
.900	6.000	-2.00000	.07137	-.03213	1.08943	.35187	-.00610	1.60289	1.68089	.11997	-.05401
	GRADIENT	.00000	.01273	-.00051	-.00022	-.00001	-.00021	.01072	-.00037	.02149	-.00085

RUN NO. 430/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.100	-6.000	-2.00000	-.08696	-.02869	1.10077	.48068	-.00621	1.83345	2.11965	-.18433	-.06081
1.100	-4.000	-2.00000	-.05979	-.02787	1.10251	.48167	-.00236	1.86568	2.12702	-.12717	-.05928
1.100	-2.000	-2.00000	-.03260	-.02798	1.10223	.48222	-.00170	1.89664	2.12877	-.06939	-.05957
1.100	.000	-2.00000	-.00527	-.02879	1.10231	.48237	-.00151	1.92627	2.12955	-.01123	-.06132
1.100	2.000	-2.00000	.02132	-.03008	1.10172	.48239	-.00199	1.95463	2.12847	.04538	-.06401
1.100	4.000	-2.00000	.04878	-.03180	1.10123	.48169	-.00371	1.98115	2.12464	.10363	-.06757
1.100	6.000	-2.00000	.07631	-.03350	1.09906	.48097	-.00721	2.00745	2.11752	.16158	-.07095
	GRADIENT	.00000	.01355	-.00050	-.00015	.00001	-.00015	.01445	-.00025	.02882	-.00105

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB31) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = -2.000 PHI = .000

RUN NO. 360/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.250	-6.000	-2.00000	-.09768	-.02967	1.11990	.55998	-.00452	2.14833	2.54511	-.24861	-.07552
1.250	-4.000	-2.00000	-.06857	-.02867	1.12090	.56119	-.00088	2.19132	2.55440	-.17515	-.07324
1.250	-2.000	-2.00000	-.03880	-.02963	1.12132	.56167	.00057	2.23173	2.55814	-.09926	-.07552
1.250	.000	-2.00000	-.00845	-.03290	1.12111	.56150	-.00001	2.26969	2.55668	-.02161	-.08413
1.250	2.000	-2.00000	.02209	-.03596	1.12134	.56138	-.00008	2.30809	2.55648	.05647	-.09194
1.250	4.000	-2.00000	.05347	-.03802	1.12078	.56090	-.00166	2.34563	2.55244	.13649	-.09703
1.250	6.000	-2.00000	.08421	-.03932	1.11765	.56015	-.00617	2.38048	2.54098	.21398	-.09992
	GRADIENT	.00000	.01525	-.00126	-.00001	-.00004	-.00011	.01925	-.00028	.03895	-.00320

RUN NO. 416/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.400	-6.000	-2.00000	-.11087	-.03837	1.15512	.62035	-.00217	2.46533	3.04259	-.33733	-.11673
1.400	-4.000	-2.00000	-.07676	-.03692	1.15625	.62076	-.00010	2.51986	3.04889	-.23404	-.11257
1.400	-2.000	-2.00000	-.04131	-.03634	1.15527	.62103	-.00024	2.57579	3.04848	-.12593	-.11078
1.400	.000	-2.00000	-.00706	-.03665	1.15412	.62093	-.00138	2.62761	3.04499	-.02148	-.11160
1.400	2.000	-2.00000	.02626	-.03780	1.15428	.62094	-.00135	2.67809	3.04512	.07996	-.11512
1.400	4.000	-2.00000	.06129	-.03993	1.15502	.62089	-.00076	2.73112	3.04665	.18672	-.12167
1.400	6.000	-2.00000	.09706	-.04156	1.15217	.62067	-.00383	2.78365	3.03741	.29480	-.12622
	GRADIENT	.00000	.01718	-.00037	-.00017	.00001	-.00012	.02624	-.00039	.05237	-.00113

RUN NO. 369/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.450	-6.000	-2.00000	-.11746	-.04574	1.17458	.63390	-.00602	2.54309	3.20838	-.37685	-.14674
1.450	-4.000	-2.00000	-.08007	-.04476	1.17851	.63377	-.00303	2.60172	3.21799	-.25767	-.14404
1.450	-2.000	-2.00000	-.04021	-.04287	1.18028	.63351	-.00224	2.66386	3.22051	-.12949	-.13806
1.450	.000	-2.00000	-.00188	-.03829	1.17958	.63361	-.00257	2.72626	3.21942	-.00607	-.12329
1.450	2.000	-2.00000	.03160	-.03639	1.17912	.63384	-.00231	2.78189	3.22019	.10176	-.11719
1.450	4.000	-2.00000	.06769	-.03763	1.17469	.63452	-.00425	2.84492	3.21411	.21756	-.12094
1.450	6.000	-2.00000	.10411	-.03855	1.16883	.63495	-.00809	2.90599	3.20179	.33334	-.12344
	GRADIENT	.00000	.01837	.00104	-.00044	.00009	-.00013	.03023	-.00040	.05909	.00335

RUN NO. 406/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.500	-6.000	-2.00000	-.12735	-.04897	1.21236	.64365	-.00326	2.58958	3.40213	-.43327	-.16661
1.500	-4.000	-2.00000	-.08679	-.04699	1.22239	.64104	-.00229	2.63806	3.40537	-.29555	-.16003
1.500	-2.000	-2.00000	-.04623	-.04641	1.22476	.64013	-.00288	2.70012	3.40334	-.15732	-.15795
1.500	.000	-2.00000	-.00510	-.04536	1.22816	.63877	-.00392	2.75963	3.39993	-.01735	-.15423
1.500	2.000	-2.00000	.03337	-.04319	1.22566	.63976	-.00320	2.83271	3.40237	.11354	-.14696
1.500	4.000	-2.00000	.07122	-.04341	1.21855	.64149	-.00422	2.91034	3.39889	.24206	-.14753
1.500	6.000	-2.00000	.11051	-.04561	1.21159	.64337	-.00464	2.99173	3.39731	.37541	-.15494
	GRADIENT	.00000	.01978	.00052	-.00034	.00003	-.00021	.03386	-.00070	.06730	.00180

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB31) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -2.000 PHI = .000

RUN NO. 386/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPI	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.550	-6.000	-2.00000	-.15376	-.05321	1.46101	.59559	.00197	2.19509	3.61267	-.55528	-.19223
1.550	-4.000	-2.00000	-.09378	-.04706	1.49890	.58470	.00103	2.23868	3.60923	-.33848	-.16985
1.550	-2.000	-2.00000	-.04215	-.03761	1.41098	.60950	.00210	2.48468	3.61331	-.15231	-.13663
1.550	.000	-2.00000	-.01034	-.03813	1.32839	.63245	.00239	2.70206	3.61421	-.03739	-.13781
1.550	2.000	-2.00000	.01974	-.04275	1.33116	.63163	.00218	2.75035	3.61369	.07133	-.15447
1.550	4.000	-2.00000	.07039	-.06553	1.49417	.58593	.00078	2.54203	3.60847	.25399	-.23644
1.550	6.000	-2.00000	.13434	-.07515	1.48444	.58903	.00172	2.67589	3.61203	.48524	-.27145
	GRADIENT	.00000	.01951	-.00209	-.00446	.00123	-.00002	.04362	-.00006	.07043	-.00755

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB32) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -2.000 PHI = .000

RUN NO. 279/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.000	-2.00000	319.87991	2.47724	1271.51804	1621.28549	1.09338	110.19830	.00000	6.52217	-161.76489
.600	-4.000	-2.00000	319.95280	2.47771	1271.75647	1621.60896	1.09340	110.21041	.00000	4.76620	-154.49774
.600	-2.000	-2.00000	320.09625	2.47811	1271.13301	1621.10355	1.09331	110.19761	.00000	3.06369	-135.17874
.600	.000	-2.00000	319.63428	2.47390	1270.97968	1620.49525	1.09343	110.50905	.00000	2.27024	-91.22862
.600	2.000	-2.00000	320.09919	2.47752	1271.96687	1621.96666	1.09334	110.40493	.00000	3.05068	-45.35969
.600	4.000	-2.00000	319.79020	2.47508	1269.75542	1619.38844	1.09327	110.29826	.00000	4.66686	-26.72182
.600	6.000	-2.00000	320.47077	2.48077	1273.17284	1623.57137	1.09335	110.30636	.00000	6.49615	-18.60349
	GRADIENT	.00000	-.01611	-.00029	-.15841	-.17890	-.00001	.01915	.00000	-.01058	17.26854

RUN NO. 318/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.000	-2.00000	349.92638	2.00225	617.66496	1044.33083	1.21928	110.20176	.00000	6.43875	-161.18135
.900	-4.000	-2.00000	349.02956	1.99626	614.92600	1040.44205	1.21916	110.20127	.00000	4.63812	-153.02486
.900	-2.000	-2.00000	349.37398	1.99911	616.63663	1042.62596	1.21928	110.18790	.00000	3.15370	-137.40892
.900	.000	-2.00000	349.52266	1.99938	616.18262	1042.31790	1.21920	110.20108	.00000	2.23772	-89.46096
.900	2.000	-2.00000	349.32714	1.99807	615.57204	1041.45648	1.21918	110.19991	.00000	3.04776	-45.41463
.900	4.000	-2.00000	349.44973	1.99869	616.28803	1042.34705	1.21923	110.30021	.00000	4.65720	-26.71837
.900	6.000	-2.00000	349.24017	1.99737	615.76551	1041.56097	1.21921	110.30089	.00000	6.47849	-18.45506
	GRADIENT	.00000	.03967	.00019	.08297	.13203	.00000	.01049	.00000	-.00339	17.23036

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB32) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = -2.000 PHI = .000

RUN NO. 279/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	-2.00000	-.05384	-.01674	1.05087	.17095	-.00592	1.17211	1.26756	-.06820	-.02120
.600	-4.000	-2.00000	-.03751	-.01679	1.05229	.17221	-.00305	1.18422	1.27120	-.04764	-.02132
.600	-2.000	-2.00000	-.02046	-.01765	1.05246	.17294	-.00219	1.19609	1.27253	-.02603	-.02245
.600	.000	-2.00000	-.00371	-.01805	1.05235	.17338	-.00150	1.20738	1.27307	-.00472	-.02296
.600	2.000	-2.00000	.01323	-.01841	1.05209	.17291	-.00245	1.21746	1.27203	.01682	-.02340
.600	4.000	-2.00000	.02963	-.01917	1.05165	.17215	-.00394	1.22677	1.27034	.03763	-.02434
.600	6.000	-2.00000	.04634	-.02036	1.04966	.17119	-.00689	1.23588	1.26648	.05865	-.02577
	GRADIENT	.00000	.00840	-.00028	-.00008	-.00001	-.00010	.00532	-.00011	.01067	-.00035

RUN NO. 318/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	-2.00000	-.08181	-.02744	1.08227	.35082	-.01418	1.47222	1.66713	-.13636	-.04573
.900	-4.000	-2.00000	-.05618	-.02673	1.08405	.35304	-.00978	1.49860	1.67561	-.09417	-.04481
.900	-2.000	-2.00000	-.03038	-.02626	1.08373	.35388	-.00901	1.52082	1.67572	-.05089	-.04399
.900	.000	-2.00000	-.00460	-.02701	1.08348	.35373	-.00890	1.54361	1.67665	-.00771	-.04529
.900	2.000	-2.00000	.02076	-.02877	1.08297	.35377	-.00956	1.56485	1.67584	.03480	-.04824
.900	4.000	-2.00000	.04667	-.03014	1.08208	.35294	-.01137	1.58449	1.67232	.07805	-.05040
.900	6.000	-2.00000	.07248	-.03162	1.07940	.35196	-.01553	1.60348	1.66563	.12075	-.05268
	GRADIENT	.00000	.01284	-.00047	-.00023	.00002	-.00019	.01079	-.00032	.02151	-.00077

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB35) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = .000 PHI = .000

RUN NO. 450/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.000	.00000	322.02809	2.49578	1278.68428	1630.75505	1.09329	109.69860	.00000	-5.68386	.04816
.600	-4.000	.00000	321.89641	2.49560	1278.61024	1630.54616	1.09332	109.60040	.00000	-3.70579	-.01648
.600	-2.000	.00000	323.26596	2.50456	1282.36993	1635.78488	1.09326	109.70043	.00000	-1.72870	-.01998
.600	.000	.00000	323.53174	2.50706	1283.23445	1636.92987	1.09323	109.60039	.00000	.24536	.01534
.600	2.000	.00000	322.54642	2.50072	1281.28729	1633.94023	1.09334	109.59901	.00000	2.21976	-.00654
.600	4.000	.00000	322.52962	2.49988	1281.00899	1633.63287	1.09331	109.69966	.00000	4.19652	-.00020
.600	6.000	.00000	321.46342	2.49223	1277.71759	1629.18790	1.09334	109.69937	.00000	6.17346	.00269
	GRADIENT	.00000	.02734	.00024	.18574	.21644	.00000	.00485	.00000	.98765	.00230

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB35) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = .000 PHI = .000

RUN NO. 442/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.000	.00000	321.16256	1.99232	717.00746	1092.91805	1.17043	109.61092	.00000	-5.67982	-.57453
.800	-4.000	.00000	324.42206	2.01257	724.25210	1103.95863	1.17041	109.60042	.00000	-3.70290	-.45145
.800	-2.000	.00000	322.57943	2.00203	720.30157	1097.88853	1.17046	109.42815	.00000	-1.72724	-.22561
.800	.000	.00000	323.89244	2.01117	725.06483	1104.19514	1.17054	109.50093	.00000	.24625	-.05807
.800	2.000	.00000	322.60944	2.00219	720.22169	1097.82080	1.17043	109.41122	.00000	2.21964	-.02527
.800	4.000	.00000	322.55931	2.00099	720.12714	1097.67026	1.17043	109.61103	.00000	4.19476	-.00376
.800	6.000	.00000	322.37451	1.99985	719.74100	1097.07245	1.17044	109.61237	.00000	6.17019	-.00032
	GRADIENT	.00000	-.18477	-.00115	-.41649	-.63222	.00000	.00021	.00000	.98711	.05479

RUN NO. 483/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.000	.00000	349.65044	1.99718	616.70947	1043.02039	1.21924	110.89954	.00000	-5.66538	.37479
.900	-4.000	.00000	349.89391	1.99856	617.13043	1043.73605	1.21924	110.90000	.00000	-3.69326	.18810
.900	-2.000	.00000	349.71783	1.99719	616.89645	1043.29913	1.21926	110.99650	.00000	-1.72135	.10777
.900	.000	.00000	349.71416	1.99753	616.79988	1043.18614	1.21924	110.89771	.00000	.24852	-.00186
.900	2.000	.00000	349.44984	1.99601	616.32082	1042.38228	1.21923	110.90053	.00000	2.21839	-.01180
.900	4.000	.00000	349.10850	1.99369	615.79459	1041.45023	1.21925	110.99737	.00000	4.18994	-.00449
.900	6.000	.00000	349.36110	1.99550	616.15867	1042.11087	1.21923	110.89775	.00000	6.16113	-.00215
	GRADIENT	.00000	-.09194	-.00055	-.16237	-.27443	.00000	.00494	.00000	.98531	-.02524

RUN NO. 431/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-6.000	.00000	373.77340	1.90903	441.50763	942.47945	1.33750	109.80561	.00000	-5.64394	.76633
1.100	-4.000	.00000	372.01574	1.89990	439.26398	937.86097	1.33745	109.80124	.00000	-3.67956	.52810
1.100	-2.000	.00000	371.66721	1.89808	438.80824	936.91631	1.33748	109.80051	.00000	-1.71571	.27653
1.100	.000	.00000	371.89630	1.89990	439.31105	937.77088	1.33750	109.70685	.00000	.24736	.05429
1.100	2.000	.00000	372.29362	1.90134	439.59918	938.57806	1.33745	109.80037	.00000	2.21138	.00451
1.100	4.000	.00000	371.97571	1.90066	439.29834	937.89368	1.33741	109.60511	.00000	4.17501	.00471
1.100	6.000	.00000	371.85801	1.89880	439.18191	937.63297	1.33740	109.90266	.00000	6.13851	.00766
	GRADIENT	.00000	.02732	.00024	.04298	.08636	-.00000	-.01962	.00000	.98181	-.06594

RUN NO. 361/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.000	.00000	404.47970	1.95303	369.82151	957.93691	1.42331	109.99663	.00000	-5.64392	-.04256
1.250	-4.000	.00000	404.73591	1.95379	370.04944	958.53299	1.42331	110.10012	.00000	-3.68028	-.01283
1.250	-2.000	.00000	404.78976	1.95366	370.12034	958.69858	1.42329	110.19697	.00000	-1.71769	-.07508
1.250	.000	.00000	404.19422	1.95118	369.55859	957.25484	1.42331	110.10095	.00000	.24480	-.04248
1.250	2.000	.00000	403.60362	1.94835	369.02130	955.86582	1.42331	110.09882	.00000	2.20827	-.01649
1.250	4.000	.00000	403.71348	1.94885	369.10917	956.09985	1.42332	110.09996	.00000	4.17191	-.01291
1.250	6.000	.00000	403.83964	1.94946	369.22682	956.40098	1.42332	110.10023	.00000	6.13459	-.00472
	GRADIENT	.00000	-.16155	-.00076	-.14898	-.38495	.00000	-.00492	.00000	.98152	.00292

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R835) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = .000 PHI = .000

RUN NO. 417/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-6.000	.00000	430.30659	2.00865	313.65491	998.11663	1.49359	109.20041	.00000	-5.63559	-2.10055
1.400	-4.000	.00000	430.22859	2.00778	313.57796	997.89027	1.49361	109.30095	.00000	-3.67475	.08839
1.400	-2.000	.00000	429.01239	2.00207	312.69524	995.08000	1.49360	109.30984	.00000	-1.71353	-.04446
1.400	.000	.00000	428.51375	1.99878	312.33664	993.93003	1.49360	109.51569	.00000	.24721	-.17649
1.400	2.000	.00000	428.93764	2.00128	312.63918	994.90104	1.49361	109.40236	.00000	2.20881	-.07782
1.400	4.000	.00000	429.41592	2.00258	312.98780	996.00768	1.49361	109.60244	.00000	4.17001	-.04717
1.400	6.000	.00000	429.84570	2.00461	313.31293	997.03340	1.49359	109.59976	.00000	6.13048	-.03699
	GRADIENT	.00000	-.08501	-.00056	-.06182	-.19721	.00000	.03478	.00000	.98059	-.01522

RUN NO. 370/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-6.000	.00000	432.49383	1.99449	293.86304	1003.90114	1.51368	110.90031	.00000	-5.63620	.31037
1.450	-4.000	.00000	432.62180	1.99560	293.96162	1004.21449	1.51367	110.79314	.00000	-3.67490	.32697
1.450	-2.000	.00000	433.35157	1.99892	294.44631	1005.89156	1.51368	110.79935	.00000	-1.71395	.21836
1.450	.000	.00000	433.44758	1.99797	294.51471	1006.11745	1.51367	111.09849	.00000	.24684	.11958
1.450	2.000	.00000	433.43757	1.99799	294.51197	1006.10409	1.51367	111.08568	.00000	2.20841	.03127
1.450	4.000	.00000	433.01843	1.99554	294.22293	1005.12186	1.51368	111.19737	.00000	4.16958	.02671
1.450	6.000	.00000	432.58792	1.99402	293.92958	1004.12060	1.51367	111.09722	.00000	6.13059	-.01042
	GRADIENT	.00000	.04396	-.00005	.02941	.10136	.00000	.05474	.00000	.98057	-.03938

RUN NO. 407/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.000	.00000	434.88130	1.99582	276.12262	1013.64152	1.53223	110.19335	.00000	-5.63756	-.37066
1.500	-4.000	.00000	434.37293	1.99358	275.80847	1012.48155	1.53222	110.17860	.00000	-3.67495	.20863
1.500	-2.000	.00000	435.49522	1.99867	276.51712	1015.08182	1.53222	110.18966	.00000	-1.71357	-.10959
1.500	.000	.00000	435.30024	1.99723	276.38073	1014.60518	1.53224	110.29977	.00000	.24687	-.07879
1.500	2.000	.00000	435.85036	2.00020	276.74071	1015.90199	1.53223	110.20917	.00000	2.20850	-.03627
1.500	4.000	.00000	436.30294	2.00230	277.02239	1016.94731	1.53223	110.20419	.00000	4.16936	.00638
1.500	6.000	.00000	435.94313	2.00071	276.79493	1016.11714	1.53223	110.19100	.00000	6.13009	-.00459
	GRADIENT	.00000	.21076	.00095	.13257	.48758	.00000	.00353	.00000	.98053	-.01656

RUN NO. 387/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-6.000	.00000	437.65347	2.00194	260.22444	1027.51378	1.54941	109.48794	.00000	-5.63660	-.51192
1.550	-4.000	.00000	437.93186	2.00415	260.39462	1028.17245	1.54940	109.29178	.00000	-3.67466	-.07773
1.550	-2.000	.00000	437.99081	2.00347	260.42994	1028.31853	1.54940	109.49238	.00000	-1.71227	-.61533
1.550	.000	.00000	438.02604	2.00458	260.45306	1028.40179	1.54940	109.29263	.00000	.24743	-.03363
1.550	2.000	.00000	437.99619	2.00439	260.44886	1028.36203	1.54939	109.31000	.00000	2.20873	.00694
1.550	4.000	.00000	437.96101	2.00424	260.42072	1028.26584	1.54939	109.30293	.00000	4.16970	.00027
1.550	6.000	.00000	437.97482	2.00440	260.40704	1028.24660	1.54941	109.27424	.00000	6.13017	.02404
	GRADIENT	.00000	.00318	.00006	.00356	.01151	-.00000	-.00800	.00000	.98049	.03891

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB35) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = .000 PHI = .000

RUN NO. 450/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	.00000	-.05060	.00003	1.05150	.17224	-.00397	1.17595	1.27029	-.06425	.00004
.600	-4.000	.00000	-.03427	-.00028	1.05232	.17392	-.00108	1.18872	1.27387	-.04363	-.00036
.600	-2.000	.00000	-.01729	-.00081	1.05189	.17460	-.00093	1.20052	1.27441	-.02204	-.00104
.600	.000	.00000	-.00141	-.00184	1.05171	.17479	-.00091	1.21091	1.27447	-.00180	-.00235
.600	2.000	.00000	.01450	-.00247	1.05143	.17495	-.00066	1.22129	1.27439	.01847	-.00314
.600	4.000	.00000	.03068	-.00331	1.05125	.17410	-.00190	1.23031	1.27285	.03903	-.00421
.600	6.000	.00000	.04735	-.00383	1.04960	.17327	-.00433	1.23961	1.26958	.06006	-.00485
	GRADIENT	.00000	.00808	-.00039	-.00013	.00004	-.00007	.00520	-.00010	.01029	-.00049

RUN NO. 442/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.800	-6.000	.00000	-.07170	.00008	1.07955	.28804	-.00524	1.35022	1.51631	-.10873	.00012
.800	-4.000	.00000	-.04864	-.00056	1.08025	.28933	-.00278	1.37017	1.52005	-.07393	-.00085
.800	-2.000	.00000	-.02508	-.00131	1.07998	.29078	-.00092	1.39091	1.52278	-.03819	-.00199
.800	.000	.00000	-.00229	-.00211	1.07929	.28973	-.00217	1.40622	1.51960	-.00347	-.00321
.800	2.000	.00000	.01942	-.00311	1.07911	.29102	-.00145	1.42526	1.52206	.02956	-.00473
.800	4.000	.00000	.04293	-.00423	1.07889	.29020	-.00281	1.44147	1.52000	.06526	-.00643
.800	6.000	.00000	.06623	-.00511	1.07689	.28934	-.00588	1.45733	1.51534	.10036	-.00774
	GRADIENT	.00000	.01138	-.00046	-.00018	.00010	-.00003	.00885	-.00004	.01731	-.00069

RUN NO. 483/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	.00000	-.07846	-.00035	1.09086	.35230	-.00419	1.47785	1.68420	-.13214	-.00059
.900	-4.000	.00000	-.05287	-.00118	1.09160	.35369	-.00136	1.50260	1.68898	-.08930	-.00199
.900	-2.000	.00000	-.02739	-.00219	1.09114	.35473	-.00012	1.52659	1.69099	-.04631	-.00370
.900	.000	.00000	-.00235	-.00314	1.09067	.35476	-.00056	1.54782	1.69033	-.00397	-.00531
.900	2.000	.00000	.02169	-.00425	1.09017	.35490	-.00081	1.56848	1.68993	.03666	-.00718
.900	4.000	.00000	.04680	-.00537	1.08957	.35418	-.00243	1.58790	1.68712	.07896	-.00905
.900	6.000	.00000	.07233	-.00622	1.08672	.35320	-.00664	1.60682	1.68014	.12152	-.01046
	GRADIENT	.00000	.01242	-.00052	-.00025	.00006	-.00014	.01062	-.00024	.02097	-.00088

RUN NO. 431/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.100	-6.000	.00000	-.08434	.00007	1.09946	.48097	-.00661	1.83734	2.11830	-.17867	.00014
1.100	-4.000	.00000	-.05676	-.00046	1.10054	.48268	-.00248	1.87268	2.12741	-.12075	-.00099
1.100	-2.000	.00000	-.02970	-.00145	1.10000	.48363	-.00120	1.90498	2.13027	-.06326	-.00308
1.100	.000	.00000	-.00285	-.00219	1.09939	.48346	-.00181	1.93294	2.12840	-.00607	-.00465
1.100	2.000	.00000	.02265	-.00398	1.09907	.48385	-.00155	1.96155	2.12937	.04823	-.00847
1.100	4.000	.00000	.04986	-.00536	1.09888	.48295	-.00336	1.98705	2.12530	.10597	-.01138
1.100	6.000	.00000	.07730	-.00600	1.09640	.48222	-.00703	2.01315	2.11750	.16369	-.01270
	GRADIENT	.00000	.01328	-.00062	-.00021	.00004	-.00011	.01427	-.00026	.02825	-.00131

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB35) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = .000 PHI = .000

RUN NO. 361/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.250	-6.000	.00000	-.09294	-.00361	1.11812	.56055	-.00486	2.15732	2.54434	-.23647	-.00918
1.250	-4.000	.00000	-.06328	-.00448	1.11939	.56185	-.00076	2.20148	2.55479	-.16167	-.01144
1.250	-2.000	.00000	-.03285	-.00500	1.11859	.56229	-.00041	2.24267	2.55558	-.08394	-.01278
1.250	.000	.00000	-.00327	-.00576	1.11783	.56227	-.00119	2.28032	2.55367	-.00835	-.01470
1.250	2.000	.00000	.02514	-.00653	1.11786	.56264	-.00030	2.31857	2.55594	.06425	-.01668
1.250	4.000	.00000	.05594	-.00769	1.11741	.56208	-.00202	2.35488	2.55161	.14274	-.01961
	6.000	.00000	.08563	-.00903	1.11434	.56126	-.00664	2.38803	2.53989	.21751	-.02293
	GRADIENT	.00000	.01482	-.00040	-.00023	.00004	-.00012	.01914	-.00030	.03785	-.00101

RUN NO. 417/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.400	-6.000	.00000	-.10865	-.00038	1.14958	.62104	-.00512	2.47403	3.03353	-.32959	-.00116
1.400	-4.000	.00000	-.07507	-.00087	1.15244	.62210	.00013	2.53176	3.04962	-.22894	-.00265
1.400	-2.000	.00000	-.03938	-.00196	1.15206	.62209	-.00023	2.58610	3.04850	-.12004	-.00597
1.400	.000	.00000	-.00571	-.00305	1.15115	.62163	-.00206	2.63466	3.04289	-.01737	-.00927
1.400	2.000	.00000	.02749	-.00514	1.15126	.62200	-.00116	2.68738	3.04567	.08372	-.01566
1.400	4.000	.00000	.06208	-.00609	1.15176	.62171	-.00150	2.73798	3.04465	.18900	-.01853
	6.000	.00000	.09737	-.00633	1.14902	.62156	-.00426	2.79023	3.03619	.29564	-.01923
	GRADIENT	.00000	.01706	-.00068	-.00011	-.00004	-.00021	.02569	-.00064	.05198	-.00207

RUN NO. 370/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.450	-6.000	.00000	-.11911	.00432	1.17259	.63542	-.00357	2.55133	3.21627	-.38308	.01389
1.450	-4.000	.00000	-.08143	.00321	1.17595	.63458	-.00297	2.60554	3.21808	-.26206	.01033
1.450	-2.000	.00000	-.04435	.00277	1.17412	.63361	-.00724	2.65828	3.20456	-.14213	.00888
1.450	.000	.00000	-.00885	.00181	1.17625	.63399	-.00436	2.71795	3.21372	-.02844	.00583
1.450	2.000	.00000	.02758	.00047	1.17687	.63417	-.00333	2.77787	3.21698	.08872	.00152
1.450	4.000	.00000	.06567	-.00011	1.17347	.63492	-.00419	2.84466	3.21428	.21110	-.00035
	6.000	.00000	.10276	-.00071	1.16778	.63566	-.00703	2.90939	3.20521	.32937	-.00228
	GRADIENT	.00000	.01831	-.00045	-.00011	.00006	.00007	.02989	.00024	.05886	-.00144

RUN NO. 407/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.500	-6.000	.00000	-.12990	.00098	1.21406	.64252	-.00500	2.57681	3.39620	-.44115	.00335
1.500	-4.000	.00000	-.09088	-.00027	1.22491	.64025	-.00241	2.62500	3.40491	-.30943	-.00092
1.500	-2.000	.00000	-.05017	-.00061	1.23426	.63777	-.00168	2.67522	3.40743	-.17097	-.00208
1.500	.000	.00000	-.00739	-.00138	1.23745	.63595	-.00418	2.73428	3.39908	-.02513	-.00470
1.500	2.000	.00000	.03285	-.00293	1.22655	.63903	-.00448	2.82612	3.39794	.11161	-.00994
1.500	4.000	.00000	.07114	-.00325	1.21776	.64170	-.00427	2.91183	3.39869	.24178	-.01105
	6.000	.00000	.11044	-.00470	1.20766	.64429	-.00533	2.99879	3.39512	.37495	-.01597
	GRADIENT	.00000	.02035	-.00041	-.00110	.00021	-.00033	.03623	-.00110	.06925	-.00141

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB35) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = .000 PHI = .000

RUN NO. 387/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.550	-6.000	.00000	-.13826	-.01824	1.50768	.58251	.00151	2.14562	3.61129	-.49928	-.06586
1.550	-4.000	.00000	-.08648	-.01598	1.50537	.58381	.00312	2.24637	3.61706	-.31281	-.05779
1.550	-2.000	.00000	-.03322	-.01313	1.35798	.62491	.00405	2.60591	3.62043	-.12028	-.04773
1.550	.000	.00000	-.00764	-.01394	1.30869	.63910	.00565	2.75702	3.62623	-.02772	-.05056
1.550	2.000	.00000	.02404	-.01631	1.31610	.63583	.00232	2.78942	3.61397	.08689	-.05893
1.550	4.000	.00000	.07580	-.02861	1.49377	.58555	-.00039	2.54946	3.60427	.27321	-.10313
1.550	6.000	.00000	.14038	-.02810	1.49563	.58573	.00122	2.66732	3.61032	.50682	-.10145
	GRADIENT	.00000	.01909	-.00142	-.00325	.00072	-.00044	.03949	-.00160	.06896	-.00509

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB36) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = .000 PHI = .000

RUN NO. 309/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.000	.00000	321.58722	2.48688	1280.73602	1632.43762	1.09351	111.12504	.00000	-5.68281	-.51014
.600	-4.000	.00000	321.00733	2.49165	1278.23114	1629.28720	1.09351	109.43501	.00000	-3.70522	-.29948
.600	-2.000	.00000	321.86767	2.48900	1281.62430	1633.61974	1.09351	111.10501	.00000	-1.72773	-.15846
.600	.000	.00000	321.97265	2.49694	1280.10405	1632.17079	1.09341	109.60334	.00000	.24635	.00171
.600	2.000	.00000	322.06789	2.49867	1280.41891	1632.58528	1.09340	109.41975	.00000	2.22038	.00208
.600	4.000	.00000	322.17630	2.49415	1281.80424	1634.11359	1.09343	110.49064	.00000	4.19681	.00123
.600	6.000	.00000	322.22890	2.49211	1280.87805	1633.22070	1.09341	110.80077	.00000	6.17393	-.00152
	GRADIENT	.00000	.12691	.00073	.29704	.43092	-.00001	.02130	.00000	.98761	.03810

RUN NO. 319/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.000	.00000	349.24282	1.99760	616.03645	1041.84811	1.21924	110.29858	.00000	-5.66790	.02606
.900	-4.000	.00000	349.92320	2.00154	617.90951	1044.58435	1.21931	110.39682	.00000	-3.69550	-.05660
.900	-2.000	.00000	350.01508	2.00247	618.04654	1044.83206	1.21931	110.30249	.00000	-1.72343	-.10279
.900	.000	.00000	350.12177	2.00278	617.80462	1044.69870	1.21926	110.29895	.00000	.24664	-.14071
.900	2.000	.00000	349.70694	1.99987	616.37544	1042.73009	1.21919	110.30081	.00000	2.21626	-.07753
.900	4.000	.00000	349.35275	1.99766	615.47452	1041.38428	1.21916	110.29893	.00000	4.18736	-.04312
.900	6.000	.00000	348.95569	1.99578	614.68571	1040.10619	1.21915	110.19806	.00000	6.15871	-.02475
	GRADIENT	.00000	-.07245	-.00052	-.32705	-.42511	-.00002	-.00987	.00000	.98527	.00261

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB36) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = .000 PHI = .000

RUN NO. 309/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	.00000	-.05056	.00006	1.04560	.17202	-.00930	1.17589	1.26283	-.06374	.00007
.600	-4.000	.00000	-.03404	-.00031	1.04657	.17339	-.00673	1.18824	1.26610	-.04303	-.00039
.600	-2.000	.00000	-.01747	-.00057	1.04642	.17499	-.00493	1.20105	1.26837	-.02213	-.00073
.600	.000	.00000	-.00131	-.00134	1.04598	.17467	-.00605	1.21081	1.26735	-.00166	-.00170
.600	2.000	.00000	.01482	-.00236	1.04559	.17492	-.00613	1.22138	1.26726	.01876	-.00299
.600	4.000	.00000	.03090	-.00303	1.04518	.17458	-.00679	1.23104	1.26623	.03908	-.00383
.600	6.000	.00000	.04743	-.00327	1.04331	.17313	-.01055	1.23928	1.26176	.05980	-.00413
	GRADIENT	.00000	.00811	-.00036	-.00018	.00012	-.00007	.00530	-.00004	.01025	-.00046

RUN NO. 319/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	.00000	-.07852	.00065	1.08082	.35237	-.01338	1.47857	1.66889	-.13104	.00109
.900	-4.000	.00000	-.05290	-.00024	1.08191	.35342	-.01029	1.50236	1.67328	-.08848	-.00040
.900	-2.000	.00000	-.02717	-.00086	1.08133	.35446	-.00923	1.52634	1.67507	-.04550	-.00145
.900	.000	.00000	-.00269	-.00208	1.08072	.35517	-.00896	1.54853	1.67597	-.00450	-.00348
.900	2.000	.00000	.02179	-.00300	1.08004	.35525	-.00991	1.56923	1.67512	.03650	-.00502
.900	4.000	.00000	.04781	-.00449	1.07950	.35459	-.01163	1.58939	1.67256	.08000	-.00751
.900	6.000	.00000	.07324	-.00539	1.07656	.35373	-.01578	1.60838	1.66582	.12206	-.00898
	GRADIENT	.00000	.01252	-.00053	-.00031	.00016	-.00017	.01085	-.00007	.02095	-.00089

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB40) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 2.000 PHI = .000

RUN NO. 451/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.000	2.00000	321.76572	2.49321	1278.49078	1630.28647	1.09333	109.89743	.00000	6.53982	161.94945
.600	-4.000	2.00000	322.91088	2.50092	1281.30882	1634.33977	1.09328	109.89962	.00000	4.64409	152.97759
.600	-2.000	2.00000	322.49969	2.49880	1280.44777	1633.03709	1.09330	109.79853	.00000	3.04142	134.56536
.600	.000	2.00000	323.23245	2.50410	1282.75462	1636.13707	1.09328	109.79621	.00000	2.22858	88.81697
.600	2.000	2.00000	322.06415	2.49362	1279.32118	1631.44211	1.09333	110.19650	.00000	3.05042	45.28445
.600	4.000	2.00000	322.40375	2.49743	1279.96571	1632.44464	1.09328	109.90038	.00000	4.66622	26.71199
.600	6.000	2.00000	322.45337	2.49867	1279.70531	1632.23260	1.09327	109.69271	.00000	6.49320	18.44832
	GRADIENT	.00000	-.07249	-.00061	-.19064	-.26926	.00000	.01997	.00000	.00266	-17.09061

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB40) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 2.000 PHI = .000

RUN NO. 443/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.000	2.00000	318.73194	1.97810	711.50280	1084.55666	1.17042	109.40584	.00000	6.47545	161.35032
.800	-4.000	2.00000	320.22937	1.98783	714.83862	1089.64343	1.17041	109.30652	.00000	4.72555	154.05986
.800	-2.000	2.00000	322.20156	2.00010	719.29194	1096.41234	1.17043	109.31067	.00000	3.07198	135.22738
.800	.000	2.00000	322.60405	2.00132	720.31033	1097.91209	1.17044	109.61183	.00000	2.22882	88.69945
.800	2.000	2.00000	320.04859	1.98538	714.51723	1089.12505	1.17043	109.61589	.00000	3.05994	45.65026
.800	4.000	2.00000	324.08685	2.01169	725.19152	1104.54428	1.17052	109.60203	.00000	4.66334	26.69041
.800	6.000	2.00000	322.64550	2.00192	720.19970	1097.82567	1.17040	109.50192	.00000	6.49087	18.52035
	GRADIENT	.00000	.27810	.00165	.79656	1.12572	.00001	.04481	.00000	-.00682	-17.21578

RUN NO. 484/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.000	2.00000	349.13665	1.99344	615.87791	1041.57327	1.21926	111.09623	.00000	6.34523	160.31240
.900	-4.000	2.00000	349.27718	1.99370	616.03419	1041.88889	1.21924	111.19620	.00000	4.65350	153.29099
.900	-2.000	2.00000	349.12442	1.99335	615.83928	1041.51689	1.21925	111.09787	.00000	3.04138	134.74383
.900	.000	2.00000	349.19913	1.99376	615.96443	1041.73303	1.21925	111.09936	.00000	2.23480	89.32251
.900	2.000	2.00000	349.60968	1.99710	616.77578	1043.05734	1.21927	110.89756	.00000	3.05329	45.57656
.900	4.000	2.00000	349.94394	1.99848	617.27133	1043.94658	1.21925	110.99358	.00000	4.65755	26.70532
.900	6.000	2.00000	349.72252	1.99720	616.90462	1043.31313	1.21926	111.00102	.00000	6.48043	18.50702
	GRADIENT	.00000	.09094	.00067	.17054	.28279	.00000	-.03028	.00000	.00100	-17.11693

RUN NO. 432/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-6.000	2.00000	372.71485	1.90350	440.11770	939.64180	1.33749	109.80015	.00000	6.49976	161.96547
1.100	-4.000	2.00000	373.23791	1.90569	440.69447	940.92494	1.33746	109.90126	.00000	4.62868	153.13315
1.100	-2.000	2.00000	372.39095	1.90137	439.68476	938.77562	1.33746	109.89912	.00000	3.06438	135.38274
1.100	.000	2.00000	371.70705	1.89747	438.88213	937.05905	1.33746	109.99584	.00000	2.22162	88.93225
1.100	2.000	2.00000	371.78302	1.89825	438.95778	937.22502	1.33746	109.90045	.00000	3.03308	45.21977
1.100	4.000	2.00000	371.86466	1.89823	439.03753	937.40786	1.33747	109.99600	.00000	4.64263	26.78829
1.100	6.000	2.00000	371.94430	1.89908	439.14740	937.63333	1.33747	109.89885	.00000	6.45533	18.46250
	GRADIENT	.00000	-.16772	-.00090	-.20204	-.42924	.00000	.00954	.00000	-.00017	-17.14263

RUN NO. 362/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.000	2.00000	403.75851	1.94775	369.17417	956.24987	1.42330	110.40056	.00000	6.45879	161.60528
1.250	-4.000	2.00000	404.01002	1.94938	369.38233	956.80779	1.42332	110.30094	.00000	4.64990	153.45068
1.250	-2.000	2.00000	404.15812	1.95059	369.54171	957.19948	1.42329	110.19958	.00000	3.06018	135.34195
1.250	.000	2.00000	404.36181	1.95156	369.71631	957.66334	1.42331	110.19950	.00000	2.23146	89.68854
1.250	2.000	2.00000	404.66012	1.95251	369.98142	958.34887	1.42331	110.30282	.00000	3.03784	45.53031
1.250	4.000	2.00000	404.68697	1.95223	370.03335	958.46310	1.42329	110.40216	.00000	4.63652	26.65903
1.250	6.000	2.00000	404.31118	1.95160	369.80542	957.80891	1.42318	110.18523	.00000	6.45301	18.52542
	GRADIENT	.00000	.09280	.00038	.08709	.22300	-.00000	.01528	.00000	-.00246	-17.16975

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB40) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = 2.000 PHI = .000

RUN NO. 418/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-6.000	2.00000	428.29161	1.99687	312.16567	993.40102	1.49361	109.70254	.00000	6.39870	161.12070
1.400	-4.000	2.00000	429.11414	2.00115	312.76720	995.30909	1.49361	109.60675	.00000	4.70164	154.17030
1.400	-2.000	2.00000	429.99814	2.00532	313.42959	997.39407	1.49359	109.60308	.00000	3.05170	135.19627
1.400	.000	2.00000	429.99573	2.00669	313.41043	997.35551	1.49360	109.30162	.00000	2.22532	89.25619
1.400	2.000	2.00000	428.67866	2.00093	312.45454	994.30546	1.49360	109.21970	.00000	3.03881	45.51559
1.400	4.000	2.00000	430.43731	2.00869	313.74204	998.39745	1.49360	109.31870	.00000	4.63315	26.61623
1.400	6.000	2.00000	430.32978	2.00872	313.66151	998.14463	1.49360	109.20390	.00000	6.44727	18.46520
	GRADIENT	.00000	.06634	.00053	.04873	.15441	.00000	-.04797	.00000	-.00749	-17.23944

RUN NO. 371/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-6.000	2.00000	433.19942	1.99967	294.34792	1005.54715	1.51367	110.49020	.00000	6.48342	161.94089
1.450	-4.000	2.00000	433.54870	1.99989	294.58235	1006.35098	1.51367	110.78776	.00000	4.68126	153.92476
1.450	-2.000	2.00000	432.87794	1.99858	294.13565	1004.81353	1.51366	110.40665	.00000	2.99783	133.72039
1.450	.000	2.00000	432.69290	1.99451	294.00038	1004.36841	1.51368	111.09574	.00000	2.22594	89.38948
1.450	2.000	2.00000	433.39809	1.99735	294.48503	1006.01122	1.51367	111.18442	.00000	3.02896	45.21876
1.450	4.000	2.00000	432.80540	1.99653	294.08995	1004.64832	1.51366	110.77829	.00000	4.63362	26.67735
1.450	6.000	2.00000	432.76571	1.99484	294.05415	1004.54054	1.51367	111.09612	.00000	6.44730	18.48118
	GRADIENT	.00000	-.04832	-.00040	-.03177	-.11038	-.00000	.03794	.00000	-.00321	-17.14982

RUN NO. 408/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.000	2.00000	436.00620	2.00097	276.84115	1016.27137	1.53222	110.19997	.00000	6.44811	161.59214
1.500	-4.000	2.00000	434.20251	1.99271	275.70441	1012.08699	1.53221	110.19750	.00000	4.64070	153.40019
1.500	-2.000	2.00000	436.82254	2.00516	277.35595	1018.16939	1.53223	110.10365	.00000	3.04919	135.18055
1.500	.000	2.00000	435.81186	2.00009	276.71834	1015.81969	1.53222	110.19813	.00000	2.22345	89.27713
1.500	2.000	2.00000	434.77042	1.99575	276.05501	1013.39252	1.53222	110.10356	.00000	3.04221	45.72731
1.500	4.000	2.00000	435.08535	1.99722	276.25166	1014.11528	1.53223	110.09552	.00000	4.63314	26.66550
1.500	6.000	2.00000	435.27202	1.99895	276.36748	1014.54599	1.53223	109.90637	.00000	6.44758	18.51392
	GRADIENT	.00000	-.01432	-.00002	-.01032	-.03601	.00000	-.01020	.00000	-.00110	-17.14613

RUN NO. 388/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-6.000	2.00000	438.21049	2.00117	260.55325	1028.81679	1.54941	110.19067	.00000	6.30779	160.22745
1.550	-4.000	2.00000	438.13634	2.00137	260.51755	1028.65323	1.54940	110.07959	.00000	4.37689	149.81648
1.550	-2.000	2.00000	438.41947	2.00216	260.68606	1029.32146	1.54940	110.18616	.00000	2.89677	130.85749
1.550	.000	2.00000	438.18351	2.00139	260.54410	1028.77048	1.54940	110.12278	.00000	2.30156	90.50054
1.550	2.000	2.00000	438.41273	2.00338	260.66069	1029.25677	1.54941	109.91231	.00000	3.03780	45.60545
1.550	4.000	2.00000	437.99703	2.00154	260.43890	1028.34198	1.54940	109.91066	.00000	4.63272	26.63861
1.550	6.000	2.00000	438.19131	2.00297	260.55128	1028.79134	1.54940	109.79341	.00000	6.44760	18.51669
	GRADIENT	.00000	-.01427	.00008	-.00913	-.03436	.00000	-.03059	.00000	.03263	-16.58039

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB40) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 2.000 PHI = .000

RUN NO. 451/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	2.00000	-.05113	.01698	1.05246	.17053	-.00499	1.17318	1.26884	-.06483	.02153
.600	-4.000	2.00000	-.03438	.01672	1.05379	.17154	-.00279	1.18519	1.27197	-.04373	.02127
.600	-2.000	2.00000	-.01783	.01620	1.05418	.17274	-.00083	1.19746	1.27431	-.02272	.02076
.600	.000	2.00000	-.00106	.01566	1.05384	.17290	-.00105	1.20837	1.27414	-.00135	.01995
.600	2.000	2.00000	.01535	.01433	1.05321	.17335	-.00092	1.21947	1.27407	.01954	.01825
.600	4.000	2.00000	.03162	.01392	1.05238	.17282	-.00246	1.22904	1.27226	.04022	.01771
.600	6.000	2.00000	.04779	.01342	1.05027	.17158	-.00605	1.23742	1.26780	.06059	.01702
	GRADIENT	.00000	.00826	-.00038	-.00019	.00016	.00003	.00549	.00002	.01051	-.00048

RUN NO. 443/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.800	-6.000	2.00000	-.07222	.02387	1.08082	.28607	-.00688	1.34602	1.51390	-.10933	.03614
.800	-4.000	2.00000	-.04878	.02332	1.08283	.28729	-.00330	1.36604	1.51930	-.07410	.03542
.800	-2.000	2.00000	-.02514	.02258	1.08272	.28839	-.00182	1.38615	1.52152	-.03825	.03436
.800	.000	2.00000	-.00166	.02108	1.08241	.28893	-.00126	1.40512	1.52228	-.00252	.03209
.800	2.000	2.00000	.02118	.01989	1.08156	.28916	-.00180	1.42289	1.52152	.03222	.03027
.800	4.000	2.00000	.04405	.01950	1.08041	.28813	-.00357	1.43813	1.51769	.06678	.02956
.800	6.000	2.00000	.06712	.01919	1.07778	.28718	-.00816	1.45362	1.51200	.10148	.02901
	GRADIENT	.00000	.01160	-.00052	-.00030	.00012	-.00003	.00905	-.00016	.01761	-.00079

RUN NO. 484/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	2.00000	-.07888	.02584	1.09257	.35035	-.00559	1.47296	1.68178	-.13266	.04345
.900	-4.000	2.00000	-.05342	.02499	1.09420	.35132	-.00265	1.49654	1.68682	-.09011	.04215
.900	-2.000	2.00000	-.02754	.02429	1.09445	.35243	-.00067	1.52095	1.69007	-.04655	.04105
.900	.000	2.00000	-.00159	.02273	1.09381	.35286	-.00059	1.54391	1.69022	-.00268	.03842
.900	2.000	2.00000	.02277	.02116	1.09282	.35329	-.00077	1.56554	1.68983	.03848	.03576
.900	4.000	2.00000	.04818	.02087	1.09145	.35255	-.00323	1.58513	1.68577	.08122	.03518
.900	6.000	2.00000	.07332	.02050	1.08803	.35167	-.00774	1.60395	1.67820	.12304	.03441
	GRADIENT	.00000	.01268	-.00057	-.00036	.00017	-.00006	.01109	-.00012	.02138	-.00096

RUN NO. 432/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.100	-6.000	2.00000	-.08423	.02814	1.10134	.47938	-.00814	1.83168	2.11542	-.17820	.05954
1.100	-4.000	2.00000	-.05671	.02766	1.10346	.48059	-.00390	1.86502	2.12445	-.12048	.05876
1.100	-2.000	2.00000	-.02923	.02599	1.10328	.48147	-.00237	1.89744	2.12771	-.06219	.05529
1.100	.000	2.00000	-.00190	.02431	1.10279	.48196	-.00188	1.92831	2.12875	-.00405	.05174
1.100	2.000	2.00000	.02422	.02291	1.10160	.48226	-.00240	1.95722	2.12769	.05154	.04874
1.100	4.000	2.00000	.05112	.02237	1.10058	.48180	-.00423	1.98404	2.12386	.10856	.04751
1.100	6.000	2.00000	.07835	.02196	1.09752	.48087	-.00882	2.00911	2.11415	.16564	.04642
	GRADIENT	.00000	.01346	-.00068	-.00037	.00016	-.00003	.01489	-.00006	.02859	-.00145

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB40) (05 DEC 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

BETA = 2.000 PHI = .000

RUN NO. 362/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.250	-6.000	2.00000	-.09336	.03342	1.12102	.55871	-.00641	2.14752	2.54034	-.23718	.08489
1.250	-4.000	2.00000	-.06285	.03270	1.12278	.55989	-.00220	2.19200	2.55113	-.16033	.08342
1.250	-2.000	2.00000	-.03173	.03089	1.12311	.56059	-.00027	2.23521	2.55592	-.08109	.07895
1.250	.000	2.00000	-.00036	.02746	1.12163	.56078	-.00118	2.27629	2.55368	-.00092	.07012
1.250	2.000	2.00000	.02895	.02460	1.12061	.56143	-.00061	2.31715	2.55517	.07398	.06285
1.250	4.000	2.00000	.05786	.02356	1.11917	.56116	-.00246	2.35252	2.55031	.14755	.06007
1.250	6.000	2.00000	.08727	.02282	1.11520	.55961	-.00934	2.38122	2.53231	.22099	.05777
	GRADIENT	.00000	.01510	-.00123	-.00049	.00017	-.00004	.02015	-.00012	.03854	-.00314

RUN NO. 418/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.400	-6.000	2.00000	-.10920	.03362	1.15634	.61954	-.00327	2.46242	3.03929	-.33189	.10219
1.400	-4.000	2.00000	-.07331	.03314	1.15727	.62003	-.00116	2.52012	3.04567	-.22328	.10094
1.400	-2.000	2.00000	-.03753	.03138	1.15673	.62024	-.00103	2.57606	3.04593	-.11431	.09559
1.400	.000	2.00000	-.00408	.02954	1.15561	.62043	-.00139	2.62874	3.04498	-.01243	.08995
1.400	2.000	2.00000	.02873	.02877	1.15485	.62053	-.00193	2.67897	3.04332	.08742	.08755
1.400	4.000	2.00000	.06352	.02891	1.15465	.62074	-.00153	2.73339	3.04447	.19339	.08800
1.400	6.000	2.00000	.09889	.02917	1.15141	.62032	-.00547	2.78373	3.03256	.29990	.08845
	GRADIENT	.00000	.01700	-.00055	-.00036	.00009	-.00008	.02647	-.00025	.05175	-.00170

RUN NO. 371/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.450	-6.000	2.00000	-.11791	.02990	1.17423	.63350	-.00742	2.53964	3.20393	-.37779	.09579
1.450	-4.000	2.00000	-.08151	.02912	1.17800	.63351	-.00418	2.59760	3.21429	-.26198	.09361
1.450	-2.000	2.00000	-.04557	.02835	1.18138	.63306	-.00251	2.65190	3.21956	-.14671	.09129
1.450	.000	2.00000	-.01180	.03035	1.18124	.63303	-.00275	2.70602	3.21890	-.03799	.09769
1.450	2.000	2.00000	.02548	.03473	1.18093	.63308	-.00287	2.76637	3.21846	.08201	.11179
1.450	4.000	2.00000	.06412	.03644	1.17697	.63339	-.00535	2.83065	3.21044	.20585	.11701
1.450	6.000	2.00000	.10192	.03719	1.17003	.63387	-.01004	2.89409	3.19563	.32570	.11886
	GRADIENT	.00000	.01812	.00105	-.00013	-.00001	-.00013	.02903	-.00044	.05822	.00336

RUN NO. 408/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.500	-6.000	2.00000	-.12769	.03467	1.21797	.64151	-.00461	2.57255	3.39749	-.43384	.11780
1.500	-4.000	2.00000	-.08670	.03327	1.22563	.63997	-.00258	2.62998	3.40427	-.29516	.11325
1.500	-2.000	2.00000	-.04887	.03302	1.22899	.63897	-.00268	2.68664	3.40407	-.16635	.11242
1.500	.000	2.00000	-.00972	.03493	1.23243	.63754	-.00381	2.74239	3.40019	-.03306	.11876
1.500	2.000	2.00000	.03007	.03568	1.22624	.63966	-.00298	2.82632	3.40301	.10234	.12142
1.500	4.000	2.00000	.07072	.03604	1.22115	.64058	-.00461	2.90236	3.39752	.24027	.12245
1.500	6.000	2.00000	.11043	.03606	1.20855	.64337	-.00721	2.99113	3.38880	.37423	.12218
	GRADIENT	.00000	.01969	.00041	-.00059	.00009	-.00022	.03422	-.00073	.06698	.00137

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB40) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 2.000 PHI = .000

RUN NO. 388/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.550	-6.000	2.00000	-.14666	.04535	1.47507	.59217	.00305	2.18680	3.61690	-.53045	.16404
1.550	-4.000	2.00000	-.08400	.03756	1.51787	.57983	.00186	2.22826	3.61249	-.30343	.13569
1.550	-2.000	2.00000	-.03224	.02777	1.48465	.58909	.00202	2.37538	3.61307	-.11650	.10032
1.550	.000	2.00000	.00296	.01962	1.36426	.62270	.00278	2.65576	3.61586	.01070	.07094
1.550	2.000	2.00000	.03526	.01330	1.38844	.61593	.00251	2.66744	3.61509	.12745	.04806
1.550	4.000	2.00000	.09000	.01559	1.51577	.58002	.00094	2.54345	3.60912	.32480	.05661
1.550	6.000	2.00000	.14320	.02338	1.47646	.59105	.00128	2.70377	3.61036	.51699	.08441
	GRADIENT	.00000	.02077	-.00291	-.00502	.00136	-.00007	.04612	-.00024	.07502	-.01052

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB41) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 2.000 PHI = .000

RUN NO. 283/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.000	2.00000	319.97345	2.47610	1271.69336	1621.56754	1.09340	110.51260	.00000	6.33905	160.24367
.600	-4.000	2.00000	319.78638	2.47517	1271.74516	1621.42616	1.09342	110.50984	.00000	4.78187	154.57307
.600	-2.000	2.00000	319.98602	2.47433	1271.34628	1621.21352	1.09335	110.80330	.00000	3.03055	134.21905
.600	.000	2.00000	319.51877	2.47278	1270.04449	1619.41991	1.09339	110.49318	.00000	2.23389	89.23326
.600	2.000	2.00000	320.16014	2.47662	1272.47136	1622.54289	1.09338	110.68392	.00000	3.05072	45.23445
.600	4.000	2.00000	319.84333	2.47358	1270.39966	1620.10822	1.09335	110.69690	.00000	4.66748	26.75663
.600	6.000	2.00000	319.60339	2.47206	1270.89697	1620.38307	1.09344	110.80242	.00000	6.49743	18.66419
	GRADIENT	.00000	.01440	-.00004	-.07830	-.06533	-.00001	.01274	.00000	-.01043	-17.23087

RUN NO. 320/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.000	2.00000	350.50264	2.00433	617.63752	1044.95403	1.21917	110.30012	.00000	6.42711	161.09003
.900	-4.000	2.00000	349.34008	1.99793	615.90753	1041.82320	1.21921	110.29893	.00000	4.69027	153.80477
.900	-2.000	2.00000	349.42593	1.99795	616.04459	1042.06459	1.21921	110.39968	.00000	3.01069	133.88762
.900	.000	2.00000	349.82033	1.99982	616.82495	1043.32976	1.21922	110.49998	.00000	2.23315	89.80943
.900	2.000	2.00000	349.96992	2.00116	617.14554	1043.83495	1.21922	110.40100	.00000	3.04255	45.25098
.900	4.000	2.00000	350.01219	2.00175	617.68745	1044.45206	1.21927	110.40002	.00000	4.65536	26.74076
.900	6.000	2.00000	349.89388	2.00140	617.31245	1043.92415	1.21925	110.30028	.00000	6.47584	18.42983
	GRADIENT	.00000	.09441	.00054	.23304	.35140	.00001	.01017	.00000	-.00190	-17.13823

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB41) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = 2.000 PHI = .000

RUN NO. 283/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	2.00000	-.05213	.01653	1.05070	.16963	-.00773	1.17132	1.26534	-.06592	.02090
.600	-4.000	2.00000	-.03524	.01638	1.05225	.17130	-.00408	1.18437	1.26977	-.04469	.02078
.600	-2.000	2.00000	-.01858	.01643	1.05250	.17172	-.00353	1.19552	1.27070	-.02359	.02086
.600	.000	2.00000	-.00163	.01571	1.05217	.17217	-.00320	1.20695	1.27101	-.00207	.01996
.600	2.000	2.00000	.01495	.01485	1.05169	.17246	-.00333	1.21790	1.27087	.01898	.01886
.600	4.000	2.00000	.03111	.01368	1.05074	.17174	-.00525	1.22707	1.26861	.03944	.01735
	6.000	2.00000	.04715	.01353	1.04842	.17096	-.00819	1.23600	1.26462	.05957	.01709
	GRADIENT	.00000	.00831	-.00035	-.00019	.00008	-.00011	.00539	-.00011	.01054	-.00044

RUN NO. 320/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	2.00000	-.08012	.02532	1.08147	.35061	-.01592	1.47317	1.66536	-.13347	.04218
.900	-4.000	2.00000	-.05439	.02569	1.08372	.35174	-.01184	1.49711	1.67173	-.09093	.04295
.900	-2.000	2.00000	-.02779	.02502	1.08400	.35249	-.01042	1.52111	1.67410	-.04652	.04190
.900	.000	2.00000	-.00195	.02398	1.08366	.35293	-.00992	1.54392	1.67485	-.00326	.04017
.900	2.000	2.00000	.02310	.02264	1.08255	.35304	-.01082	1.56503	1.67329	.03866	.03788
.900	4.000	2.00000	.04864	.02199	1.08099	.35253	-.01279	1.58506	1.66954	.08119	.03671
	6.000	2.00000	.07413	.02198	1.07780	.35157	-.01740	1.60378	1.66216	.12320	.03653
	GRADIENT	.00000	.01285	-.00049	-.00035	.00011	-.00011	.01099	-.00026	.02147	-.00082

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB42) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = 4.000 PHI = .000

RUN NO. 452/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETA1	PHI1
.600	-6.000	4.00000	321.80562	2.49412	1278.75192	1630.58989	1.09333	109.80017	.00000	7.29575	145.56556
.600	-4.000	4.00000	322.38841	2.49908	1280.05750	1632.52899	1.09331	109.60256	.00000	5.83030	134.65405
.600	-2.000	4.00000	322.74930	2.50053	1281.09843	1633.94981	1.09327	109.79767	.00000	4.65658	115.96860
.600	.000	4.00000	322.24462	2.49770	1279.90994	1632.22186	1.09331	109.69953	.00000	4.22040	89.81973
.600	2.000	4.00000	322.83947	2.50120	1281.53905	1634.49689	1.09329	109.81147	.00000	4.67666	63.64328
.600	4.000	4.00000	323.01116	2.50131	1281.94774	1635.08592	1.09327	109.99816	.00000	5.84085	45.20314
	6.000	4.00000	322.34971	2.49696	1280.50824	1632.94270	1.09333	109.99932	.00000	7.36847	33.79988
	GRADIENT	.00000	.06678	.00026	.21105	.28305	-.00000	.04025	.00000	.00206	-11.56136

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB42) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 4.000 PHI = .000

RUN NO. 444/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.000	4.00000	318.79934	1.97731	711.94029	1085.12848	1.17049	109.72019	.00000	7.45017	146.86129
.800	-4.000	4.00000	322.59923	2.00173	720.33205	1097.94102	1.17046	109.51937	.00000	5.84455	134.91684
.800	-2.000	4.00000	322.56113	2.00167	720.12502	1097.66986	1.17043	109.41563	.00000	4.64542	115.64666
.800	.000	4.00000	322.24416	1.99948	719.39146	1096.56190	1.17043	109.50675	.00000	4.22094	89.91748
.800	2.000	4.00000	323.05084	2.00403	721.19482	1099.30960	1.17043	109.60743	.00000	4.67456	63.62451
.800	4.000	4.00000	322.32042	1.99955	719.67797	1096.95187	1.17045	109.61371	.00000	5.83745	45.18692
.800	6.000	4.00000	321.89842	1.99693	718.72908	1095.51276	1.17045	109.61144	.00000	7.36534	33.81925
	GRADIENT	.00000	-.00340	-.00011	-.01192	-.01693	-.00000	.01902	.00000	.00075	-11.57410

RUN NO. 485/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.000	4.00000	350.16290	1.99967	617.61329	1044.54771	1.21924	110.99609	.00000	7.31978	145.97062
.900	-4.000	4.00000	349.97050	1.99899	617.24953	1043.94844	1.21924	110.89962	.00000	5.82927	134.91694
.900	-2.000	4.00000	349.29131	1.99514	616.03880	1041.90645	1.21923	110.89040	.00000	4.64459	115.88487
.900	.000	4.00000	349.64887	1.99807	616.70748	1043.01627	1.21924	110.70319	.00000	4.20515	90.06534
.900	2.000	4.00000	349.84275	1.99913	617.02688	1043.56934	1.21924	110.70738	.00000	4.66481	63.60052
.900	4.000	4.00000	349.44262	1.99739	616.38580	1042.44844	1.21925	110.60045	.00000	5.82573	45.12391
.900	6.000	4.00000	349.26860	1.99674	615.99977	1041.83975	1.21923	110.50644	.00000	7.35375	33.85401
	GRADIENT	.00000	-.02522	.00004	-.03697	-.06685	.00000	-.03907	.00000	.00066	-11.59352

RUN NO. 433/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-6.000	4.00000	372.34074	1.90154	439.61868	938.63483	1.33746	109.79930	.00000	7.36915	146.58446
1.100	-4.000	4.00000	372.41730	1.90255	439.90948	939.06357	1.33750	109.70381	.00000	5.76043	134.25945
1.100	-2.000	4.00000	372.22093	1.90180	439.46735	938.32169	1.33747	109.59781	.00000	4.62467	115.86004
1.100	.000	4.00000	371.90192	1.89889	439.12000	937.56216	1.33745	109.89881	.00000	4.18722	89.92547
1.100	2.000	4.00000	371.81237	1.89967	438.98586	937.28681	1.33747	109.60424	.00000	4.64883	63.61216
1.100	4.000	4.00000	371.66509	1.89766	438.83081	936.95450	1.33746	109.90078	.00000	5.80485	45.16155
1.100	6.000	4.00000	371.50455	1.89691	438.69201	936.62801	1.33744	109.90155	.00000	7.32174	33.74213
	GRADIENT	.00000	-.09565	-.00059	-.13194	-.26265	-.00000	.02002	.00000	.00565	-11.52218

RUN NO. 363/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.000	4.00000	403.88287	1.94922	369.27075	956.51019	1.42331	110.20300	.00000	7.37959	146.68913
1.250	-4.000	4.00000	404.24640	1.95100	369.61315	957.38937	1.42331	110.20039	.00000	5.75983	134.27318
1.250	-2.000	4.00000	404.30844	1.95174	369.66285	957.52194	1.42331	110.09941	.00000	4.61378	115.65650
1.250	.000	4.00000	404.52587	1.95276	369.85958	958.03650	1.42332	110.10449	.00000	4.19388	89.92824
1.250	2.000	4.00000	404.52543	1.95189	369.85911	958.03539	1.42332	110.29855	.00000	4.64828	63.61891
1.250	4.000	4.00000	404.69516	1.95270	370.01610	958.44563	1.42331	110.29993	.00000	5.80288	45.17443
1.250	6.000	4.00000	404.76815	1.95269	370.11718	958.68159	1.42328	110.39421	.00000	7.32059	33.81722
	GRADIENT	.00000	.05573	.00018	.05011	.13130	.00000	.01991	.00000	.00603	-11.51175

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB42) (08 DEC 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

BETA = 4.000 PHI = .000

RUN NO. 419/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-6.000	4.00000	430.87679	2.00991	314.09398	999.49032	1.49356	109.50778	.00000	7.36454	146.65084
1.400	-4.000	4.00000	431.13411	2.01062	314.24516	1000.00590	1.49360	109.59786	.00000	5.75871	134.36493
1.400	-2.000	4.00000	429.97558	2.00520	313.39461	997.30334	1.49361	109.59877	.00000	4.62120	115.97731
1.400	.000	4.00000	430.02757	2.00550	313.48372	997.53660	1.49356	109.60866	.00000	4.18780	89.77255
1.400	2.000	4.00000	430.14612	2.00601	313.52272	997.71263	1.49360	109.59645	.00000	4.64226	63.57779
1.400	4.000	4.00000	430.13434	2.00603	313.55712	997.77463	1.49356	109.59897	.00000	5.79679	45.13457
1.400	6.000	4.00000	430.09812	2.00580	313.51165	997.65051	1.49358	109.60398	.00000	7.31270	33.75346
	GRADIENT	.00000	-.09145	-.00042	-.06240	-.20266	-.00000	-.00001	.00000	.00486	-11.54301

RUN NO. 372/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-6.000	4.00000	432.22820	1.99609	293.68693	1003.29354	1.51367	110.29730	.00000	7.38624	146.84692
1.450	-4.000	4.00000	431.88530	1.99496	293.45323	1002.48975	1.51367	110.19953	.00000	5.75951	134.34565
1.450	-2.000	4.00000	431.93769	1.99424	293.48659	1002.60816	1.51368	110.40361	.00000	4.63356	116.17582
1.450	.000	4.00000	432.46990	1.99588	293.84755	1003.84653	1.51367	110.57878	.00000	4.18594	89.67412
1.450	2.000	4.00000	433.01550	2.00009	294.21906	1005.11548	1.51367	110.21743	.00000	4.64106	63.62046
1.450	4.000	4.00000	433.25863	1.99991	294.38682	1005.67746	1.51367	110.49691	.00000	5.79742	45.18194
1.450	6.000	4.00000	433.39001	1.99964	294.48196	1006.00006	1.51367	110.68702	.00000	7.31355	33.79840
	GRADIENT	.00000	.19122	.00079	.12998	.44414	-.00000	.02043	.00000	.00417	-11.54414

RUN NO. 409/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.000	4.00000	435.63532	1.99878	276.59550	1015.38840	1.53223	110.29806	.00000	7.34675	146.47920
1.500	-4.000	4.00000	435.29975	1.99772	276.39471	1014.63139	1.53222	110.20315	.00000	5.75231	134.26824
1.500	-2.000	4.00000	435.05963	1.99478	276.24213	1014.06939	1.53222	110.59481	.00000	4.62920	116.00954
1.500	.000	4.00000	434.90260	1.99540	276.13214	1013.68144	1.53223	110.30436	.00000	4.18781	89.80168
1.500	2.000	4.00000	435.84052	1.99929	276.73627	1015.88500	1.53222	110.39454	.00000	4.64239	63.61886
1.500	4.000	4.00000	436.49666	2.00229	277.14487	1017.40085	1.53223	110.39339	.00000	5.79481	45.12527
1.500	6.000	4.00000	435.22702	1.99506	276.34943	1014.46665	1.53222	110.69947	.00000	7.31132	33.72748
	GRADIENT	.00000	.15874	.00068	.09972	.36773	.00000	.00901	.00000	.00491	-11.53383

RUN NO. 389/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-6.000	4.00000	438.40060	2.00197	260.66179	1029.25359	1.54941	110.20215	.00000	7.40761	147.06315
1.550	-4.000	4.00000	438.19609	2.00158	260.56873	1028.83224	1.54938	110.09964	.00000	5.75945	134.36191
1.550	-2.000	4.00000	438.47021	2.00379	260.71722	1029.44073	1.54939	109.89133	.00000	4.62749	116.29431
1.550	.000	4.00000	438.47259	2.00284	260.71973	1029.45866	1.54940	110.09623	.00000	4.18465	89.66734
1.550	2.000	4.00000	438.46634	2.00280	260.71397	1029.43030	1.54940	110.09565	.00000	4.64005	63.59604
1.550	4.000	4.00000	438.25413	2.00184	260.59191	1028.94212	1.54940	110.09624	.00000	5.79685	45.22398
1.550	6.000	4.00000	438.45646	2.00184	260.71558	1029.43159	1.54939	110.29445	.00000	7.31492	33.81696
	GRADIENT	.00000	.00561	-.00002	.00215	.01047	.00000	.00988	.00000	.00437	-11.54871

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB42) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 4.000 PHI = .000

RUN NO. 452/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	4.00000	-.05105	.03427	1.05468	.16582	-.00855	1.16654	1.26434	-.06449	.04329
.600	-4.000	4.00000	-.03406	.03361	1.05729	.16732	-.00441	1.17933	1.26975	-.04323	.04266
.600	-2.000	4.00000	-.01718	.03293	1.05828	.16797	-.00275	1.19096	1.27193	-.02185	.04195
.600	.000	4.00000	-.00057	.03240	1.05820	.16831	-.00229	1.20201	1.27235	-.00073	.04120
.600	2.000	4.00000	.01598	.03174	1.05731	.16830	-.00327	1.21251	1.27126	.02031	.04034
.600	4.000	4.00000	.03290	.03101	1.05557	.16812	-.00519	1.22296	1.26889	.04174	.03935
.600	6.000	4.00000	.04912	.03127	1.05260	.16725	-.00888	1.23187	1.26401	.06205	.03950
	GRADIENT	.00000	.00835	-.00032	-.00022	.00010	-.00010	.00544	-.00012	.01061	-.00041

RUN NO. 444/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.800	-6.000	4.00000	-.07185	.04798	1.08414	.28065	-.01130	1.33600	1.50711	-.10829	.07232
.800	-4.000	4.00000	-.04833	.04752	1.08766	.28181	-.00643	1.35579	1.51444	-.07319	.07197
.800	-2.000	4.00000	-.02465	.04627	1.08868	.28283	-.00411	1.37566	1.51802	-.03743	.07024
.800	.000	4.00000	-.00071	.04498	1.08833	.28343	-.00360	1.39500	1.51881	-.00109	.06832
.800	2.000	4.00000	.02254	.04426	1.08736	.28356	-.00432	1.41289	1.51772	.03421	.06717
.800	4.000	4.00000	.04548	.04389	1.08546	.28349	-.00612	1.43011	1.51494	.06890	.06650
.800	6.000	4.00000	.06887	.04408	1.08144	.28241	-.01140	1.44544	1.50704	.10379	.06643
	GRADIENT	.00000	.01174	-.00046	-.00029	.00020	.00002	.00929	.00003	.01779	-.00070

RUN NO. 485/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	4.00000	-.07879	.05243	1.09631	.34498	-.01049	1.46073	1.67370	-.13187	.08776
.900	-4.000	4.00000	-.05268	.05135	1.09972	.34607	-.00570	1.48492	1.68171	-.08859	.08636
.900	-2.000	4.00000	-.02670	.05012	1.10086	.34692	-.00336	1.50871	1.68564	-.04500	.08449
.900	.000	4.00000	-.00083	.04942	1.10047	.34760	-.00264	1.53211	1.68680	-.00139	.08337
.900	2.000	4.00000	.02430	.04744	1.09889	.34797	-.00353	1.55415	1.68533	.04096	.07995
.900	4.000	4.00000	.04963	.04718	1.09632	.34764	-.00635	1.57460	1.68054	.08341	.07929
.900	6.000	4.00000	.07500	.04694	1.09168	.34666	-.01219	1.59326	1.67093	.12532	.07844
	GRADIENT	.00000	.01278	-.00055	-.00044	.00021	-.00007	.01124	-.00013	.02150	-.00093

RUN NO. 433/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.100	-6.000	4.00000	-.08393	.05638	1.10574	.47521	-.01224	1.81710	2.10700	-.17683	.11880
1.100	-4.000	4.00000	-.05614	.05499	1.10867	.47670	-.00647	1.85147	2.11859	-.11893	.11649
1.100	-2.000	4.00000	-.02816	.05365	1.11012	.47752	-.00382	1.88403	2.12471	-.05982	.11399
1.100	.000	4.00000	-.00051	.05229	1.11004	.47764	-.00361	1.91385	2.12505	-.00108	.11111
1.100	2.000	4.00000	.02575	.05154	1.10849	.47771	-.00492	1.94198	2.12237	.05465	.10939
1.100	4.000	4.00000	.05282	.05056	1.10630	.47733	-.00762	1.96914	2.11663	.11180	.10702
1.100	6.000	4.00000	.08008	.05059	1.10190	.47684	-.01252	1.99580	2.10624	.16868	.10655
	GRADIENT	.00000	.01359	-.00055	-.00032	.00007	-.00017	.01466	-.00031	.02880	-.00118

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB42) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = 4.000 PHI = .000

RUN NO. 363/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.250	-6.000	4.00000	-.09213	.06558	1.12577	.55458	-.01158	2.12865	2.52745	-.23285	.16575
1.250	-4.000	4.00000	-.06156	.06324	1.12974	.55581	-.00524	2.17298	2.54335	-.15657	.16083
1.250	-2.000	4.00000	-.02985	.06141	1.13076	.55639	-.00303	2.21619	2.54898	-.07608	.15652
1.250	.000	4.00000	.00075	.05925	1.12961	.55692	-.00284	2.25791	2.54948	.00192	.15105
1.250	2.000	4.00000	.03109	.05556	1.12756	.55746	-.00344	2.29930	2.54795	.07920	.14158
1.250	4.000	4.00000	.06056	.05467	1.12504	.55695	-.00686	2.33395	2.53928	.15378	.13883
	6.000	4.00000	.08967	.05458	1.12009	.55629	-.01273	2.36692	2.52440	.22636	.13778
	GRADIENT	.00000	.01526	-.00115	-.00063	.00017	-.00018	.02025	-.00046	.03880	-.00295

RUN NO. 419/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.400	-6.000	4.00000	-.10930	.07006	1.16231	.61567	-.00815	2.43663	3.02422	-.33053	.21189
1.400	-4.000	4.00000	-.07309	.06864	1.16565	.61643	-.00337	2.49601	3.03892	-.22209	.20858
1.400	-2.000	4.00000	-.03796	.06720	1.16619	.61671	-.00193	2.55121	3.04334	-.11552	.20450
1.400	.000	4.00000	-.00297	.06596	1.16624	.61671	-.00202	2.60446	3.04268	-.00903	.20069
1.400	2.000	4.00000	.03119	.06469	1.16430	.61716	-.00261	2.65951	3.04125	.09485	.19673
1.400	4.000	4.00000	.06568	.06496	1.16207	.61701	-.00484	2.71065	3.03417	.19929	.19710
1.400	6.000	4.00000	.10038	.06659	1.15810	.61690	-.00860	2.76204	3.02301	.30345	.20131
	GRADIENT	.00000	.01733	-.00049	-.00047	.00008	-.00018	.02688	-.00058	.05266	-.00154

RUN NO. 372/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.450	-6.000	4.00000	-.11901	.06920	1.17963	.63041	-.01127	2.51579	3.19173	-.37983	.22088
1.450	-4.000	4.00000	-.08301	.06936	1.18567	.63051	-.00586	2.57323	3.20891	-.26635	.22258
1.450	-2.000	4.00000	-.04662	.06884	1.18815	.62999	-.00518	2.62778	3.21111	-.14969	.22107
1.450	.000	4.00000	-.01019	.07070	1.18931	.62987	-.00452	2.68540	3.21323	-.03274	.22717
1.450	2.000	4.00000	.02595	.07206	1.18793	.62986	-.00571	2.74332	3.20941	.08327	.23127
1.450	4.000	4.00000	.06418	.07412	1.18443	.63046	-.00703	2.80896	3.20519	.20572	.23759
	6.000	4.00000	.10173	.07525	1.17737	.63025	-.01363	2.86652	3.18426	.32392	.23960
	GRADIENT	.00000	.01835	.00064	-.00013	-.00001	-.00014	.02935	-.00046	.05885	.00201

RUN NO. 409/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.500	-6.000	4.00000	-.12735	.07654	1.21807	.63990	-.00906	2.56166	3.38262	-.43077	.25891
1.500	-4.000	4.00000	-.08844	.07566	1.23167	.63757	-.00435	2.60887	3.39833	-.30053	.25709
1.500	-2.000	4.00000	-.04889	.07425	1.23123	.63758	-.00466	2.67621	3.39730	-.16611	.25225
1.500	.000	4.00000	-.00922	.07527	1.23510	.63663	-.00419	2.73632	3.39898	-.03135	.25583
1.500	2.000	4.00000	.03086	.07563	1.23630	.63613	-.00457	2.80066	3.39762	.10486	.25696
1.500	4.000	4.00000	.07056	.07652	1.22413	.63929	-.00577	2.89200	3.39364	.23944	.25969
	6.000	4.00000	.11159	.07696	1.21577	.64019	-.01012	2.96779	3.37894	.37708	.26003
	GRADIENT	.00000	.01989	.00016	-.00050	.00010	-.00014	.03454	-.00045	.06755	.00050

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB42) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 4.000 PHI = .000

RUN NO. 389/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.550	-6.000	4.00000	-.15180	.09669	1.46159	.59549	.00203	2.19787	3.61323	-.54850	.34938
1.550	-4.000	4.00000	-.09327	.08854	1.51539	.58018	.00112	2.21364	3.60964	-.33669	.31961
1.550	-2.000	4.00000	-.03775	.07683	1.53433	.57480	.00075	2.28372	3.60847	-.13620	.27735
1.550	.000	4.00000	.00852	.07010	1.53329	.57478	.00004	2.36709	3.60588	.03074	.25276
1.550	2.000	4.00000	.05316	.06644	1.53680	.57425	.00107	2.44474	3.60962	.19191	.23981
1.550	4.000	4.00000	.09920	.07703	1.50201	.58390	.00111	2.58231	3.60974	.35808	.27806
1.550	6.000	4.00000	.14545	.08170	1.45204	.59728	-.00002	2.74536	3.60562	.52444	.29456
	GRADIENT	.00000	.02379	.00167	-.00121	.00034	.00001	.04492	.00007	.08588	-.00603

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB43) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 4.000 PHI = .000

RUN NO. 300/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.000	4.00000	321.51017	2.49110	1279.05994	1630.64369	1.09347	110.09953	.00000	7.37782	146.30223
.600	-4.000	4.00000	321.41532	2.48983	1278.74472	1630.21814	1.09345	110.20376	.00000	5.85667	135.11019
.600	-2.000	4.00000	322.24619	2.49657	1280.67180	1633.01927	1.09337	109.98877	.00000	4.65472	115.84865
.600	.000	4.00000	321.34180	2.49092	1278.41629	1629.81221	1.09346	109.89933	.00000	4.21607	89.99953
.600	2.000	4.00000	321.53804	2.49163	1278.89996	1630.50563	1.09345	110.01217	.00000	4.67598	63.64042
.600	4.000	4.00000	321.70836	2.49338	1279.35515	1631.13673	1.09342	109.90986	.00000	5.83942	45.19434
.600	6.000	4.00000	321.87436	2.49402	1279.83585	1631.79982	1.09343	110.00563	.00000	7.37181	33.90379
	GRADIENT	.00000	-.00610	.00011	-.02755	-.03382	.00000	-.02822	.00000	-.00066	-11.60200

RUN NO. 321/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.000	4.00000	349.65154	2.00045	616.85344	1043.16818	1.21925	110.19976	.00000	7.35748	146.29234
.900	-4.000	4.00000	349.43698	1.99862	615.66438	1041.67867	1.21917	110.19993	.00000	5.86410	135.39738
.900	-2.000	4.00000	349.83607	2.00060	617.13463	1043.67259	1.21925	110.39343	.00000	4.62759	115.47870
.900	.000	4.00000	349.56556	1.99925	616.33703	1042.53017	1.21921	110.29714	.00000	4.20526	89.91482
.900	2.000	4.00000	349.44502	1.99889	616.00859	1042.04758	1.21920	110.20309	.00000	4.66290	63.62320
.900	4.000	4.00000	349.40454	1.99723	615.80302	1041.78607	1.21918	110.49890	.00000	5.82254	45.15313
.900	6.000	4.00000	349.42528	1.99768	616.30552	1042.33646	1.21923	110.50163	.00000	7.34556	33.74228
	GRADIENT	.00000	-.02280	-.00022	-.04244	-.07051	-.00000	.02038	.00000	-.00239	-11.61720

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB43) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = 4.000 PHI = .000

RUN NO. 300/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	4.00000	-.05192	.03384	1.05036	.16580	-.01250	1.16610	1.25912	-.06529	.04256
.600	-4.000	4.00000	-.03491	.03376	1.05314	.16718	-.00814	1.17869	1.26454	-.04409	.04264
.600	-2.000	4.00000	-.01783	.03325	1.05399	.16765	-.00697	1.19014	1.26629	-.02256	.04221
.600	.000	4.00000	-.00065	.03287	1.05386	.16846	-.00591	1.20218	1.26736	-.00082	.04161
.600	2.000	4.00000	.01583	.03232	1.05282	.16858	-.00681	1.21277	1.26628	.02002	.04088
.600	4.000	4.00000	.03273	.03192	1.05095	.16804	-.00929	1.22263	1.26322	.04130	.04029
.600	6.000	4.00000	.04884	.03151	1.04773	.16715	-.01350	1.23139	1.25801	.06138	.03961
	GRADIENT	.00000	.00845	-.00024	-.00028	.00013	-.00011	.00553	-.00013	.01067	-.00030

RUN NO. 321/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	4.00000	-.08027	.05294	1.08546	.34496	-.02053	1.46012	1.65709	-.13299	.08772
.900	-4.000	4.00000	-.05401	.05249	1.08906	.34656	-.01520	1.48533	1.66664	-.09004	.08752
.900	-2.000	4.00000	-.02747	.05145	1.09023	.34722	-.01259	1.50896	1.67013	-.04588	.08592
.900	.000	4.00000	-.00113	.05012	1.08999	.34781	-.01205	1.53243	1.67136	-.00189	.08377
.900	2.000	4.00000	.02421	.04970	1.08860	.34804	-.01311	1.55405	1.66973	.04043	.08300
.900	4.000	4.00000	.04980	.04891	1.08574	.34781	-.01622	1.57476	1.66475	.08293	.08145
.900	6.000	4.00000	.07568	.04943	1.08164	.34678	-.02138	1.59354	1.65586	.12531	.08184
	GRADIENT	.00000	.01297	-.00045	-.00041	.00017	-.00013	.01120	-.00021	.02161	-.00075

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB45) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = 6.000 PHI = .000

RUN NO. 453/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.000	6.00000	322.92372	2.50125	1281.68726	1634.73334	1.09328	109.89862	.00000	8.62312	134.78546
.600	-4.000	6.00000	321.88537	2.49448	1278.61269	1630.53584	1.09329	109.79328	.00000	7.36145	123.39313
.600	-2.000	6.00000	321.23510	2.49023	1276.46977	1627.68964	1.09331	109.70203	.00000	6.49345	108.06040
.600	.000	6.00000	321.82335	2.49353	1277.71590	1629.56900	1.09331	109.80051	.00000	6.19014	90.08079
.600	2.000	6.00000	322.54429	2.49821	1280.04312	1632.67719	1.09329	109.90193	.00000	6.5033'	71.68358
.600	4.000	6.00000	323.09689	2.50233	1282.00473	1635.23260	1.09326	109.90083	.00000	7.37420	56.52931
.600	6.000	6.00000	323.15083	2.50184	1282.54689	1635.84425	1.09329	110.10231	.00000	8.62198	45.18406
	GRADIENT	.00000	.18661	.00118	.51787	.71906	-.00000	.02075	.00000	.00177	-8.50522

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB45) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 6.000 PHI = .000

RUN NO. 445/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.000	6.00000	322.28706	1.99888	719.54369	1096.77344	1.17044	109.70709	.00000	8.59965	134.63094
.800	-4.000	6.00000	322.21535	1.99942	719.61448	1096.79608	1.17049	109.52479	.00000	7.35804	123.39737
.800	-2.000	6.00000	323.18576	2.00574	721.50710	1099.78113	1.17043	109.50595	.00000	6.49792	108.24853
.800	.000	6.00000	321.95685	1.99856	718.66847	1095.48952	1.17040	109.30193	.00000	6.18697	90.05560
.800	2.000	6.00000	322.40981	2.00007	719.77577	1097.14400	1.17043	109.60532	.00000	6.49977	71.72201
.800	4.000	6.00000	321.78165	1.99752	718.40800	1095.04593	1.17044	109.31269	.00000	7.36824	56.46675
.800	6.000	6.00000	324.21627	2.01310	725.70872	1105.21634	1.17054	109.50642	.00000	8.61384	45.15217
	GRADIENT	.00000	-.08217	-.00045	-.20721	-.30687	-.00001	-.01624	.00000	.00111	-8.51939

RUN NO. 486/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.000	6.00000	349.90697	2.00084	617.15330	1043.77480	1.21924	110.41292	.00000	8.57848	134.63507
.900	-4.000	6.00000	349.85852	2.00019	617.10939	1043.67786	1.21925	110.50429	.00000	7.33831	123.38732
.900	-2.000	6.00000	349.08173	1.99574	615.71320	1041.33212	1.21924	110.50198	.00000	6.48225	108.25738
.900	.000	6.00000	348.99575	1.99522	615.52238	1041.03093	1.21923	110.49891	.00000	6.17149	89.99789
.900	2.000	6.00000	351.70615	2.01079	620.37091	1049.19761	1.21925	110.49291	.00000	6.48542	71.66050
.900	4.000	6.00000	350.56935	2.00384	618.38190	1045.82033	1.21925	110.60091	.00000	7.35306	56.49027
.900	6.000	6.00000	349.73262	1.99945	616.84702	1043.25691	1.21924	110.50111	.00000	8.60026	45.15244
	GRADIENT	.00000	.20230	.00112	.36014	.60751	.00000	.00921	.00000	.00163	-8.51955

RUN NO. 434/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-6.000	6.00000	371.84354	1.89906	439.09298	937.48141	1.33743	109.80293	.00000	8.54092	134.60490
1.100	-4.000	6.00000	372.14472	1.90098	439.40204	938.16222	1.33746	109.70021	.00000	7.30474	123.30426
1.100	-2.000	6.00000	372.92066	1.90498	440.34807	940.16889	1.33745	109.70299	.00000	6.46164	108.34169
1.100	.000	6.00000	370.97141	1.89500	438.03823	935.21985	1.33748	109.70164	.00000	6.14759	89.97906
1.100	2.000	6.00000	372.43818	1.90161	439.80667	938.95906	1.33748	109.91259	.00000	6.45845	71.68075
1.100	4.000	6.00000	372.46387	1.90187	439.91011	939.11458	1.33750	109.90135	.00000	7.32434	56.47328
1.100	6.000	6.00000	371.55621	1.89812	438.82677	936.80924	1.33749	109.69476	.00000	8.56352	45.11590
	GRADIENT	.00000	.00779	-.00008	.02374	.03474	.00001	.03059	.00000	.00180	-8.51615

RUN NO. 364/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.000	6.00000	404.54882	1.95163	369.91885	958.15907	1.42328	110.39474	.00000	8.55185	134.70739
1.250	-4.000	6.00000	404.75355	1.95172	370.09077	958.62209	1.42329	110.59095	.00000	7.31205	123.45535
1.250	-2.000	6.00000	404.73642	1.95295	370.06189	958.55682	1.42330	110.29199	.00000	6.44576	108.04296
1.250	.000	6.00000	404.94548	1.95299	370.26096	959.06184	1.42330	110.50804	.00000	6.14414	90.10719
1.250	2.000	6.00000	404.98999	1.95321	370.28026	959.12701	1.42332	110.50241	.00000	6.45734	71.65562
1.250	4.000	6.00000	405.06806	1.95364	370.41083	959.41598	1.42327	110.50701	.00000	7.32120	56.49616
1.250	6.000	6.00000	404.91048	1.95294	370.25552	959.03056	1.42328	110.49409	.00000	8.56756	45.17705
	GRADIENT	.00000	.04413	.00021	.04292	.10790	-.00000	.00213	.00000	.00149	-8.51529

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB45) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = 6.000 PHI = .000

RUN NO. 420/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-6.000	6.00000	429.00816	2.00024	312.69426	995.06731	1.49360	109.69682	.00000	8.53985	134.69372
1.400	-4.000	6.00000	429.99990	2.00529	313.41473	997.36842	1.49361	109.60570	.00000	7.30561	123.47314
1.400	-2.000	6.00000	430.49762	2.00760	313.78676	998.53880	1.49360	109.61171	.00000	6.44122	108.12942
1.400	.000	6.00000	430.51457	2.00769	313.79687	998.56963	1.49360	109.60861	.00000	6.13795	90.02605
1.400	2.000	6.00000	430.28691	2.00758	313.63078	998.04034	1.49360	109.40411	.00000	6.44907	71.63364
1.400	4.000	6.00000	430.27378	2.00701	313.63005	998.02433	1.49359	109.51482	.00000	7.31275	56.43324
1.400	6.000	6.00000	430.18790	2.00613	313.56206	997.82401	1.49360	109.61588	.00000	8.55000	45.09650
	GRADIENT	.00000	.01685	.00017	.01373	.04067	-.00000	-.01947	.00000	.00111	-8.52878

RUN NO. 373/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-6.000	6.00000	432.74445	1.99753	294.03342	1004.48377	1.51368	110.49777	.00000	8.53990	134.73421
1.450	-4.000	6.00000	432.83894	1.99665	294.10215	1004.70702	1.51368	110.78048	.00000	7.29917	123.40022
1.450	-2.000	6.00000	432.59726	1.99685	293.93511	1004.14092	1.51368	110.49737	.00000	6.43748	108.09699
1.450	.000	6.00000	432.55295	1.99617	293.90828	1004.04283	1.51367	110.59880	.00000	6.13723	90.01909
1.450	2.000	6.00000	432.70673	1.99686	294.01977	1004.41620	1.51367	110.60700	.00000	6.45004	71.65877
1.450	4.000	6.00000	432.53682	1.99654	293.89370	1004.00528	1.51368	110.50418	.00000	7.31483	56.51236
1.450	6.000	6.00000	432.75169	1.99661	294.03817	1004.50031	1.51368	110.70084	.00000	8.55534	45.14370
	GRADIENT	.00000	-.02474	-.00001	-.01661	-.05641	-.00000	-.02215	.00000	.00219	-8.51070

RUN NO. 410/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.000	6.00000	435.13650	1.99648	276.27607	1014.22220	1.53224	110.30147	.00000	8.53572	134.68594
1.500	-4.000	6.00000	435.77807	1.99859	276.69483	1015.73466	1.53222	110.48446	.00000	7.30151	123.39483
1.500	-2.000	6.00000	436.25339	2.00250	277.00256	1016.85719	1.53222	110.11873	.00000	6.44460	108.19765
1.500	.000	6.00000	435.53287	1.99786	276.53871	1015.17045	1.53222	110.40004	.00000	6.13730	90.04133
1.500	2.000	6.00000	434.99733	1.99681	276.20507	1013.93571	1.53222	110.09965	.00000	6.44956	71.64579
1.500	4.000	6.00000	436.07972	2.00036	276.87832	1016.42472	1.53224	110.39756	.00000	7.31129	56.42596
1.500	6.000	6.00000	435.39699	1.99682	276.46094	1014.87151	1.53222	110.49248	.00000	8.55756	45.13166
	GRADIENT	.00000	-.03264	-.00011	-.02153	-.07707	.00000	-.00964	.00000	.00123	-8.52448

RUN NO. 390/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-6.000	6.00000	438.20231	2.00158	260.55213	1028.80579	1.54941	110.09722	.00000	8.54416	134.77685
1.550	-4.000	6.00000	438.05962	2.00188	260.47869	1028.49228	1.54939	109.90035	.00000	7.31240	123.61588
1.550	-2.000	6.00000	438.36248	2.00148	260.65807	1029.20357	1.54940	110.27879	.00000	6.43919	108.12184
1.550	.000	6.00000	438.32603	2.00166	260.63506	1029.11578	1.54939	110.20277	.00000	6.13495	90.03664
1.550	2.000	6.00000	438.37173	2.00185	260.65242	1029.20436	1.54941	110.20483	.00000	6.44935	71.67923
1.550	4.000	6.00000	438.56760	2.00231	260.78249	1029.68843	1.54939	110.30102	.00000	7.31257	56.44109
1.550	6.000	6.00000	438.10564	2.00202	260.51542	1028.62646	1.54939	109.92009	.00000	8.55875	45.17937
	GRADIENT	.00000	.05126	.00006	.03010	.11965	.00000	.03637	.00000	.00052	-8.53961

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB45) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 6.000 PHI = .000

RUN NO. 453/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	6.00000	-.05150	.05188	1.05808	.15807	-.01489	1.15539	1.25674	-.06472	.06519
.600	-4.000	6.00000	-.03424	.05103	1.06158	.15946	-.00970	1.16811	1.26297	-.04321	.06442
.600	-2.000	6.00000	-.01738	.05029	1.06334	.16020	-.00707	1.17976	1.26618	-.02199	.06375
.600	.000	6.00000	-.00013	.04928	1.06341	.16085	-.00642	1.19160	1.26724	-.00016	.06244
.600	2.000	6.00000	.01670	.04875	1.06223	.16125	-.00714	1.20282	1.26644	.02115	.06174
.600	4.000	6.00000	.03375	.04877	1.05990	.16086	-.00985	1.21301	1.26309	.04262	.06160
.600	6.000	6.00000	.05020	.04892	1.05580	.16002	-.01473	1.22206	1.25694	.06309	.06148
	GRADIENT	.00000	.00850	-.00031	-.00022	.00019	-.00002	.00564	.00002	.01074	-.00038

RUN NO. 445/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.800	-6.000	6.00000	-.07248	.07322	1.08972	.27157	-.01889	1.31860	1.49599	-.10843	.10954
.800	-4.000	6.00000	-.04826	.07119	1.09391	.27295	-.01297	1.33912	1.50459	-.07262	.10711
.800	-2.000	6.00000	-.02418	.06985	1.09598	.27441	-.00914	1.35992	1.51046	-.03653	.10551
.800	.000	6.00000	-.00045	.06893	1.09636	.27451	-.00869	1.37804	1.51119	-.00067	.10418
.800	2.000	6.00000	.02328	.06820	1.09475	.27494	-.00953	1.39677	1.50988	.03514	.10298
.800	4.000	6.00000	.04666	.06828	1.09172	.27508	-.01213	1.41460	1.50599	.07027	.10284
.800	6.000	6.00000	.07029	.06885	1.08663	.27254	-.01956	1.42707	1.49373	.10486	.10270
	GRADIENT	.00000	.01186	-.00037	-.00028	.00024	.00006	.00939	.00011	.01787	-.00055

RUN NO. 486/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	6.00000	-.07957	.07960	1.10203	.33642	-.01840	1.44089	1.66072	-.13215	.13219
.900	-4.000	6.00000	-.05283	.07756	1.10667	.33781	-.01198	1.46599	1.67121	-.08829	.12962
.900	-2.000	6.00000	-.02674	.07648	1.10898	.33848	-.00885	1.48926	1.67642	-.04483	.12822
.900	.000	6.00000	-.00056	.07473	1.10904	.33913	-.00783	1.51269	1.67816	-.00094	.12540
.900	2.000	6.00000	.02532	.07407	1.10727	.33956	-.00860	1.53559	1.67681	.04245	.12421
.900	4.000	6.00000	.05086	.07400	1.10332	.33943	-.01255	1.55631	1.67025	.09495	.12361
.900	6.000	6.00000	.07650	.07476	1.09772	.33869	-.01888	1.57565	1.65994	.12699	.12411
	GRADIENT	.00000	.01297	-.00048	-.00042	.00022	-.00004	.01135	-.00008	.02169	-.00080

RUN NO. 434/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.100	-6.000	6.00000	-.08449	.08513	1.11176	.46814	-.02022	1.79189	2.09034	-.17661	.17795
1.100	-4.000	6.00000	-.05623	.08320	1.11631	.46927	-.01396	1.82507	2.10337	-.11828	.17500
1.100	-2.000	6.00000	-.02845	.08156	1.11876	.47038	-.00960	1.85808	2.11237	-.06011	.17228
1.100	.000	6.00000	-.00035	.08051	1.11922	.47045	-.00907	1.88802	2.11352	-.00073	.17016
1.100	2.000	6.00000	.02712	.07952	1.11764	.47098	-.00943	1.91895	2.11268	.05729	.16801
1.100	4.000	6.00000	.05453	.07904	1.11341	.47077	-.01361	1.94688	2.10381	.11472	.16628
1.100	6.000	6.00000	.08185	.07990	1.10810	.46990	-.02014	1.97200	2.09037	.17111	.16702
	GRADIENT	.00000	.01386	-.00052	-.00035	.00018	.00004	.01522	.00006	.02917	-.00108

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB45) (05 DEC 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

BETA = 6.000 PHI = .000

RUN NO. 364/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.250	-6.000	6.00000	-.09381	.09527	1.13289	.54827	-.01939	2.09609	2.50790	-.23527	.23892
1.250	-4.000	6.00000	-.06194	.09357	1.13795	.54893	-.01342	2.13880	2.52276	-.15626	.23605
1.250	-2.000	6.00000	-.02956	.09163	1.14074	.54948	-.00972	2.18223	2.53205	-.07486	.23199
1.250	.000	6.00000	.00139	.08969	1.14012	.55043	-.00813	2.22610	2.53600	.00353	.22747
1.250	2.000	6.00000	.03166	.08784	1.13770	.55093	-.00919	2.26691	2.53345	.08020	.22253
1.250	4.000	6.00000	.06165	.08710	1.13377	.55095	-.01253	2.30474	2.52481	.15564	.21993
1.250	6.000	6.00000	.09298	.08743	1.12793	.55024	-.01940	2.33998	2.50783	.23317	.21925
	GRADIENT	.00000	.01542	-.00084	-.00057	.00027	.00012	.02083	.00028	.03894	-.00209

RUN NO. 420/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.400	-6.000	6.00000	-.11204	.10871	1.17036	.61026	-.01539	2.39761	3.00296	-.33644	.32645
1.400	-4.000	6.00000	-.07476	.10626	1.17675	.61059	-.00903	2.45505	3.02191	-.22593	.32110
1.400	-2.000	6.00000	-.03898	.10313	1.17880	.61100	-.00619	2.51166	3.03037	-.11811	.31252
1.400	.000	6.00000	-.00282	.10210	1.17899	.61111	-.00576	2.56715	3.03168	-.00853	.30953
1.400	2.000	6.00000	.03163	.10147	1.17702	.61161	-.00615	2.62265	3.03050	.09586	.30750
1.400	4.000	6.00000	.06700	.10281	1.17352	.61157	-.00923	2.67569	3.02121	.20242	.31060
1.400	6.000	6.00000	.10324	.10525	1.16686	.61145	-.01533	2.72867	3.00308	.31005	.31608
	GRADIENT	.00000	.01771	-.00043	-.00041	.00013	-.00002	.02761	-.00006	.05353	-.00130

RUN NO. 373/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.450	-6.000	6.00000	-.12178	.10839	1.18773	.62500	-.01910	2.47379	3.16726	-.38572	.34330
1.450	-4.000	6.00000	-.08443	.10748	1.19474	.62489	-.01340	2.53143	3.18504	-.26890	.34233
1.450	-2.000	6.00000	-.04744	.10756	1.19864	.62478	-.01041	2.58932	3.19449	-.15154	.34360
1.450	.000	6.00000	-.00980	.10850	1.20110	.62473	-.00845	2.64909	3.20066	-.03136	.34729
1.450	2.000	6.00000	.02760	.10957	1.19911	.62461	-.01045	2.70794	3.19427	.08815	.35000
1.450	4.000	6.00000	.06472	.11055	1.19428	.62485	-.01391	2.76860	3.18347	.20601	.35195
1.450	6.000	6.00000	.10278	.11320	1.18757	.62476	-.01989	2.82758	3.16481	.32527	.35827
	GRADIENT	.00000	.01867	.00041	-.00002	-.00001	-.00005	.02965	-.00017	.05948	.00128

RUN NO. 410/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.500	-6.000	6.00000	-.12890	.11959	1.22481	.63602	-.01433	2.53054	3.36506	-.43374	.40243
1.500	-4.000	6.00000	-.08884	.11810	1.23503	.63447	-.01020	2.58565	3.37871	-.30017	.39903
1.500	-2.000	6.00000	-.04921	.11725	1.24470	.63299	-.00637	2.64129	3.39149	-.16690	.39764
1.500	.000	6.00000	-.00863	.11570	1.24109	.63358	-.00771	2.71446	3.38704	-.02925	.39189
1.500	2.000	6.00000	.03229	.11724	1.24250	.63353	-.00668	2.78346	3.39044	.10947	.39750
1.500	4.000	6.00000	.07283	.11766	1.23240	.63477	-.01154	2.86088	3.37431	.24576	.39702
1.500	6.000	6.00000	.11413	.11940	1.22284	.63633	-.01505	2.94161	3.36248	.38377	.40147
	GRADIENT	.00000	.02024	-.00005	-.00037	.00006	-.00015	.03463	-.00049	.06841	-.00021

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB45) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 6.000 PHI = .000

RUN NO. 390/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.550	-6.000	6.00000	-.15006	.14749	1.42798	.60404	.00014	2.25490	3.60633	-.54117	.53188
1.550	-4.000	6.00000	-.09866	.14379	1.48661	.58809	.00094	2.24968	3.60909	-.35609	.51895
1.550	-2.000	6.00000	-.04683	.13894	1.50032	.58457	.00160	2.32258	3.61147	-.16912	.49997
1.550	.000	6.00000	.00517	.12932	1.52168	.57822	.00057	2.38023	3.60777	.01865	.46655
1.550	2.000	6.00000	.05241	.13175	1.50229	.58388	.00123	2.49778	3.61026	.18922	.47564
1.550	4.000	6.00000	.09959	.13394	1.47032	.59216	-.00016	2.63143	3.60509	.35904	.48286
1.550	6.000	6.00000	.14407	.13438	1.40464	.60958	-.00216	2.82054	3.59781	.51833	.48348
	GRADIENT	.00000	.02479	-.00132	-.00153	.00037	-.00013	.04693	-.00046	.08943	-.00483

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB46) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 6.000 PHI = .000

RUN NO. 301/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.000	6.00000	321.87325	2.49320	1280.25783	1632.23033	1.09345	110.19962	.00000	8.60153	134.64696
.600	-4.000	6.00000	321.14573	2.48881	1278.46277	1629.66713	1.09351	110.10436	.00000	7.38015	123.56935
.600	-2.000	6.00000	322.11720	2.49624	1280.45840	1632.67328	1.09339	109.90481	00000	6.51382	108.46335
.600	.000	6.00000	321.06064	2.48769	1278.30536	1629.42220	1.09349	110.20568	.00000	6.18853	90.06692
.600	2.000	6.00000	323.01150	2.50116	1282.59470	1635.75821	1.09333	110.10192	.00000	6.50593	71.70301
.600	4.000	6.00000	321.85960	2.49309	1280.12993	1632.08580	1.09345	110.19252	.00000	7.37617	56.48738
.600	6.000	6.00000	321.47551	2.49107	1279.29581	1630.84877	1.09349	110.10145	.00000	8.62916	45.22025
	GRADIENT	.00000	.11610	.00067	.27353	.39611	-.00001	.01867	.00000	-.00079	-8.54621

RUN NO. 322/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.000	6.00000	349.28681	1.99687	616.01138	1041.87199	1.21923	110.49635	.00000	8.58647	134.79906
.900	-4.000	6.00000	349.13263	1.99568	615.33360	1040.98619	1.21919	110.49922	.00000	7.34757	123.54980
.900	-2.000	6.00000	349.46703	1.99919	616.86197	1042.96823	1.21929	110.29980	.00000	6.49357	108.54457
.900	.000	6.00000	348.95050	1.99480	614.66595	1040.07899	1.21915	110.40416	.00000	6.16613	90.12207
.900	2.000	6.00000	349.12005	1.99595	615.69318	1041.34984	1.21923	110.48821	.00000	6.48422	71.63890
.900	4.000	6.00000	348.79216	1.99392	614.39825	1039.62004	1.21915	110.40116	.00000	7.34978	56.45695
.900	6.000	6.00000	348.74288	1.99313	614.23430	1039.39200	1.21914	110.49957	.00000	8.60207	45.18036
	GRADIENT	.00000	-.05140	-.00034	-.15197	-.21754	-.00001	-.00038	.00000	-.00025	-8.55457

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB46) (05 DEC 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

BETA = 6.000 PHI = .000

RUN NO. 301/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	6.00000	-.05206	.05160	1.05334	.15816	-.01892	1.15534	1.25124	-.06506	.06448
.600	-4.000	6.00000	-.03514	.05123	1.05689	.15965	-.01352	1.16792	1.25768	-.04412	.06433
.600	-2.000	6.00000	-.01799	.05054	1.05854	.15997	-.01185	1.17911	1.26012	-.02266	.06364
.600	.000	6.00000	-.00044	.04996	1.05902	.16097	-.00986	1.19158	1.26220	-.00056	.06296
.600	2.000	6.00000	.01602	.04932	1.05745	.16059	-.01237	1.20141	1.25976	.02018	.06211
.600	4.000	6.00000	.03312	.04957	1.05507	.16049	-.01445	1.21196	1.25676	.04158	.06223
.600	6.000	6.00000	.05028	.04984	1.05077	.15979	-.01933	1.22158	1.25061	.06280	.06224
	GRADIENT	.00000	.00853	-.00023	-.00024	.00011	-.00012	.00552	-.00011	.01071	-.00029

RUN NO. 322/ 0 RN/L = 2.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	6.00000	-.08134	.08099	1.09090	.33652	-.02865	1.44033	1.64421	-.13375	.13317
.900	-4.000	6.00000	-.05460	.07920	1.09581	.33795	-.02209	1.46526	1.65518	-.09040	.13112
.900	-2.000	6.00000	-.02741	.07797	1.09808	.33850	-.01853	1.48898	1.65999	-.04548	.12940
.900	.000	6.00000	-.00069	.07713	1.09879	.33943	-.01724	1.51331	1.66344	-.00115	.12837
.900	2.000	6.00000	.02467	.07637	1.09658	.33958	-.01863	1.53466	1.66041	.04096	.12680
.900	4.000	6.00000	.05139	.07673	1.09318	.33935	-.02260	1.55619	1.65471	.08507	.12703
.900	6.000	6.00000	.07705	.07717	1.08744	.33863	-.02918	1.57539	1.64422	.12674	.12695
	GRADIENT	.00000	.01320	-.00033	-.00034	.00019	-.00006	.01138	-.00003	.02187	-.00054

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB51) (08 DEC 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

BETA = -6.000 PHI = .000

RUN NO. 302/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.000	-6.00000	496.99288	3.84447	1972.90157	2516.29922	1.09331	110.49270	.00000	8.55383	-134.73878
.600	-4.000	-6.00000	497.18659	3.84825	1973.05910	2516.62582	1.09328	110.19680	.00000	7.30890	-123.38645
.600	-2.000	-6.00000	498.11786	3.85178	1976.31267	2520.86710	1.09323	110.60386	.00000	6.47161	-108.61226
.600	.000	-6.00000	497.31485	3.84983	1973.00258	2516.66287	1.09321	110.10056	.00000	6.14049	-90.07352
.600	2.000	-6.00000	497.65129	3.85149	1973.73631	2517.72733	1.09321	110.18131	.00000	6.45709	-71.61542
.600	4.000	-6.00000	497.04509	3.84704	1972.29680	2515.69089	1.09324	110.20029	.00000	7.32049	-56.44208
.600	6.000	-6.00000	497.77600	3.85353	1975.17027	2519.36877	1.09325	110.10233	.00000	8.56997	-45.17433
	GRADIENT	.00000	-.03748	-.00014	-.20505	-.25048	-.00000	-.02078	.00000	.00043	8.54428

!A132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB51) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -6.000 PHI = .000

RUN NO. 465/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.000	-6.00000	626.81218	3.88295	1399.14574	2132.76401	1.17040	110.21458	.00000	8.53235	-135.10944
.800	-4.000	-6.00000	627.30989	3.88888	1400.35049	2134.58624	1.17042	109.89763	.00000	7.26885	-123.52321
.800	-2.000	-6.00000	628.36485	3.89459	1402.71396	2138.17212	1.17040	110.00088	.00000	6.41168	-108.37411
.800	.000	-6.00000	627.88323	3.89058	1401.60011	2136.48499	1.17041	110.10515	.00000	6.09903	-90.20114
.800	2.000	-6.00000	628.08831	3.89355	1402.02159	2137.14688	1.17041	109.90953	.00000	6.41544	-71.59807
.800	4.000	-6.00000	628.03501	3.89340	1402.11801	2137.20621	1.17043	109.90082	.00000	7.27153	-56.39131
.800	6.000	-6.00000	627.36636	3.89003	1400.45914	2134.73773	1.17041	109.80307	.00000	8.51331	-45.10866
	GRADIENT	.00000	.05868	.00041	.14213	.21073	.00000	-.00425	.00000	.00046	8.55199

RUN NO. 472/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.000	-6.00000	698.49728	4.00171	1232.07649	2083.73291	1.21925	109.58597	.00000	8.40459	-135.14046
.900	-4.000	-6.00000	698.72567	4.00547	1232.31694	2084.22818	1.21923	109.29951	.00000	7.23785	-123.65984
.900	-2.000	-6.00000	699.91793	3.99858	1234.42619	2087.78839	1.21923	110.81431	.00000	6.38427	-108.60519
.900	.000	-6.00000	698.55457	3.99099	1232.22498	2083.95703	1.21925	110.81371	.00000	6.06777	-89.97370
.900	2.000	-6.00000	698.38974	3.98382	1231.85973	2083.38416	1.21925	111.49988	.00000	6.37864	-71.58568
.900	4.000	-6.00000	698.02437	3.98097	1231.32368	2082.42239	1.21927	111.59663	.00000	7.23588	-56.36029
.900	6.000	-6.00000	698.13918	3.98218	1231.32423	2082.52777	1.21924	111.51050	.00000	8.46949	-45.05637
	GRADIENT	.00000	-.14654	-.00319	-.22765	-.40079	.00000	.26399	.00000	-.00048	8.58093

RUN NO. 488/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-6.000	-6.00000	760.14079	3.88390	897.45261	1916.18204	1.33747	109.58221	.00000	8.41145	-135.20001
1.100	-4.000	-6.00000	760.50504	3.88387	897.93871	1917.17894	1.33747	109.80381	.00000	7.16739	-123.58129
1.100	-2.000	-6.00000	759.78169	3.87933	897.19147	1915.50926	1.33744	109.91468	.00000	6.31053	-108.13075
1.100	.000	-6.00000	760.04333	3.87798	897.36859	1915.97301	1.33748	110.19720	.00000	6.01365	-90.10532
1.100	2.000	-6.00000	760.70448	3.87882	898.28426	1917.80707	1.33749	110.49966	.00000	6.32332	-71.54323
1.100	4.000	-6.00000	760.54456	3.87695	897.93302	1917.20189	1.33747	110.59979	.00000	7.17213	-56.29544
1.100	6.000	-6.00000	759.14997	3.87623	896.36297	1913.78595	1.33748	109.88590	.00000	8.39115	-44.98858
	GRADIENT	.00000	.05009	-.00072	.05407	.11719	.00000	.10885	.00000	.00111	8.55736

RUN NO. 332/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.000	-6.00000	811.61407	3.92258	742.21204	1922.37959	1.42327	109.60972	.00000	8.40745	-135.20204
1.250	-4.000	-6.00000	809.25920	3.91392	740.02141	1916.73392	1.42328	109.30262	.00000	7.18429	-123.80607
1.250	-2.000	-6.00000	807.36850	3.90190	738.16024	1912.05678	1.42332	109.60173	.00000	6.32770	-108.61762
1.250	.000	-6.00000	809.09374	3.91300	739.76266	1916.18326	1.42331	109.30012	.00000	6.01052	-90.02379
1.250	2.000	-6.00000	807.49758	3.90617	738.30751	1912.40607	1.42331	109.20191	.00000	6.31994	-71.61135
1.250	4.000	-6.00000	807.32166	3.90365	738.27531	1912.11290	1.42328	109.40522	.00000	7.17072	-56.34091
1.250	6.000	-6.00000	807.41072	3.90491	738.35372	1912.32674	1.42328	109.31213	.00000	8.39498	-45.05450
	GRADIENT	.00000	-.18730	-.00081	-.16725	-.44464	.00000	-.00973	.00000	-.00175	8.59683

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB51) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = -6.000 PHI = .000

RUN NO. 495/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-6.000	-6.00000	764.19954	3.55570	557.05367	1772.59569	1.49359	110.59490	.00000	8.40411	-134.85112
1.400	-4.000	-6.00000	761.41540	3.54307	555.05062	1766.17781	1.49358	110.55938	.00000	7.18025	-123.47498
1.400	-2.000	-6.00000	762.55196	3.54705	555.85320	1768.77847	1.49359	110.71122	.00000	6.35247	-108.66737
1.400	.000	-6.00000	760.21931	3.53693	554.19447	1763.42274	1.49357	110.63284	.00000	6.03279	-90.10382
1.400	2.000	-6.00000	761.17725	3.54318	554.86657	1765.60796	1.49358	110.40947	.00000	6.34081	-71.57436
1.400	4.000	-6.00000	763.00465	3.54759	556.15348	1769.78185	1.49359	110.88483	.00000	7.19345	-56.33563
1.400	6.000	-6.00000	762.67202	3.54926	555.96520	1769.08295	1.49358	110.51813	.00000	8.41916	-45.05722
	GRADIENT	.00000	.09019	.00027	.06095	.20188	.00000	.01746	.00000	.00074	8.56859

RUN NO. 374/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-6.000	-6.00000	758.42148	3.50071	515.34489	1760.47699	1.51367	110.51800	.00000	8.42869	-135.07413
1.450	-4.000	-6.00000	757.83391	3.50554	514.97005	1759.14987	1.51366	109.60104	.00000	7.20798	-123.79155
1.450	-2.000	-6.00000	757.94971	3.49936	515.03625	1759.39189	1.51366	110.41788	.00000	6.35197	-108.70161
1.450	.000	-6.00000	756.92042	3.49013	514.34354	1756.98920	1.51366	110.96725	.00000	6.03537	-89.91687
1.450	2.000	-6.00000	756.83875	3.49346	514.26579	1756.78090	1.51367	110.50874	.00000	6.34549	-71.60294
1.450	4.000	-6.00000	756.71930	3.48978	514.17305	1756.49634	1.51368	110.89068	.00000	7.19715	-56.31406
1.450	6.000	-6.00000	756.94553	3.49083	514.32423	1757.02403	1.51367	110.88994	.00000	8.42447	-45.03885
	GRADIENT	.00000	-.16701	-.00187	-.11822	-.39590	.00000	.13351	.00000	-.00141	8.60268

RUN NO. 507/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.000	-6.00000	718.13093	3.29027	455.98697	1673.85268	1.53222	110.90683	.00000	8.44406	-135.03886
1.500	-4.000	-6.00000	718.35860	3.29520	456.10789	1674.36407	1.53224	110.39996	.00000	7.21260	-123.64828
1.500	-2.000	-6.00000	718.24718	3.29325	456.07115	1674.13377	1.53222	110.59166	.00000	6.35982	-108.34582
1.500	.000	-6.00000	718.39238	3.29463	456.16861	1674.47612	1.53221	110.50003	.00000	6.04918	-90.08807
1.500	2.000	-6.00000	719.68009	3.30040	456.94403	1677.44655	1.53223	110.51113	.00000	6.36081	-71.55382
1.500	4.000	-6.00000	719.01092	3.29902	456.56754	1675.92458	1.53223	110.30005	.00000	7.21261	-56.34845
1.500	6.000	-6.00000	720.08189	3.30155	457.20993	1678.38496	1.53223	110.60053	.00000	8.44330	-45.05972
	GRADIENT	.00000	.13688	.00074	.08961	.32169	-.00000	-.01402	.00000	.00005	8.56958

RUN NO. 391/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-6.000	-6.00000	688.60529	3.14308	409.42062	1616.70821	1.54941	110.40403	.00000	8.47956	-135.17051
1.550	-4.000	-6.00000	688.62946	3.14541	409.45045	1616.77327	1.54941	110.10543	.00000	7.23528	-123.67536
1.550	-2.000	-6.00000	689.81508	3.15019	410.17127	1619.56686	1.54939	110.19351	.00000	6.37444	-108.41875
1.550	.000	-6.00000	689.52864	3.14648	409.97589	1618.87807	1.54940	110.51365	.00000	6.05781	-90.00206
1.550	2.000	-6.00000	689.73236	3.15185	410.13829	1619.38676	1.54940	109.92041	.00000	6.37130	-71.59063
1.550	4.000	-6.00000	690.61322	3.15242	410.66918	1621.46474	1.54940	110.38826	.00000	7.22338	-56.32672
1.550	6.000	-6.00000	690.23109	3.15202	410.43227	1620.56116	1.54939	110.20519	.00000	8.45651	-45.09458
	GRADIENT	.00000	.19424	.00078	.12022	.46014	-.00000	.01463	.00000	-.00135	8.57627

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB51) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -6.000 PHI = .000

RUN NO. 302/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	-6.00000	-.05748	-.05516	1.05468	.16033	-.01541	1.15485	1.25606	-.07219	-.06928
.600	-4.000	-6.00000	-.03991	-.05376	1.05815	.16145	-.01079	1.16736	1.26188	-.05037	-.06784
.600	-2.000	-6.00000	-.02231	-.05343	1.05999	.16176	-.00870	1.17887	1.26454	-.02821	-.06765
.600	.000	-6.00000	-.00436	-.05349	1.06037	.16204	-.00802	1.19061	1.26541	-.00552	-.06769
.600	2.000	-6.00000	.01297	-.05309	1.05950	.16168	-.00933	1.20106	1.26384	.01639	-.06710
.600	4.000	-6.00000	.03079	-.05446	1.05786	.16163	-.01036	1.21221	1.26181	.03885	-.06872
.600	6.000	-6.00000	.04841	-.05595	1.05420	.16029	-.01599	1.22127	1.25544	.06077	-.07024
	GRADIENT	.00000	.00883	-.00005	-.00005	.00001	-.00004	.00560	-.00004	.01115	-.00006

RUN NO. 465/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.800	-6.000	-6.00000	-.08080	-.07728	1.09439	.27405	-.01115	1.31660	1.50753	-.12182	-.11651
.800	-4.000	-6.00000	-.05620	-.07434	1.09802	.27579	-.00537	1.33822	1.51617	-.08522	-.11271
.800	-2.000	-6.00000	-.03175	-.07394	1.10005	.27582	-.00347	1.35676	1.51903	-.04822	-.11232
.800	.000	-6.00000	-.00736	-.07489	1.10080	.27573	-.00285	1.37521	1.51999	-.01118	-.11383
.800	2.000	-6.00000	.01753	-.07525	1.09994	.27551	-.00403	1.39358	1.51822	.02661	-.11424
.800	4.000	-6.00000	.04252	-.07620	1.09766	.27462	-.00728	1.41077	1.51324	.06434	-.11530
.800	6.000	-6.00000	.06748	-.07881	1.09393	.27320	-.01274	1.42667	1.50513	.10156	-.11862
	GRADIENT	.00000	.01234	-.00025	-.00004	-.00013	-.00022	.00910	-.00033	.01870	-.00036

RUN NO. 472/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	-6.00000	-.08793	-.08396	1.10599	.33863	-.01133	1.43850	1.67227	-.14704	-.14041
.900	-4.000	-6.00000	-.06142	-.08136	1.10996	.33974	-.00608	1.46293	1.68109	-.10325	-.13678
.900	-2.000	-6.00000	-.03488	-.08054	1.11182	.34031	-.00352	1.48648	1.68538	-.05879	-.13575
.900	.000	-6.00000	-.00798	-.08165	1.11264	.34042	-.00255	1.50939	1.68690	-.01346	-.13774
.900	2.000	-6.00000	.01878	-.08114	1.11135	.34041	-.00375	1.53192	1.68492	.03165	-.13672
.900	4.000	-6.00000	.04629	-.08301	1.10926	.33963	-.00680	1.55319	1.67976	.07775	-.13944
.900	6.000	-6.00000	.07359	-.08594	1.10535	.33814	-.01271	1.57234	1.67006	.12289	-.14353
	GRADIENT	.00000	.01345	-.00019	-.00009	-.00001	-.00008	.01130	-.00016	.02262	-.00031

RUN NO. 488/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.100	-6.000	-6.00000	-.09293	-.09003	1.11717	.47037	-.01114	1.79008	2.10933	-.19603	-.18990
1.100	-4.000	-6.00000	-.06460	-.08754	1.12120	.47133	-.00564	1.82304	2.12080	-.13700	-.18566
1.100	-2.000	-6.00000	-.03668	-.08640	1.12303	.47182	-.00300	1.85430	2.12623	-.07798	-.18371
1.100	.000	-6.00000	-.00769	-.08671	1.12350	.47174	-.00284	1.88482	2.12677	-.01636	-.18441
1.100	2.000	-6.00000	.02074	-.08705	1.12257	.47104	-.00491	1.91250	2.12221	.04402	-.18474
1.100	4.000	-6.00000	.04960	-.08862	1.11992	.47101	-.00745	1.94288	2.11707	.10501	-.18762
1.100	6.000	-6.00000	.07837	-.09184	1.11600	.47004	-.01278	1.96947	2.10583	.16504	-.19340
	GRADIENT	.00000	.01429	-.00014	-.00015	-.00007	-.00022	.01489	-.00057	.03030	-.00025

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB51) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = -6.000 PHI = .000

RUN NO. 332/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.250	-6.000	-6.00000	-.10742	-.10092	1.11870	.54998	-.02834	2.08862	2.48591	-.26703	-.25088
1.250	-4.000	-6.00000	-.07566	-.09834	1.12325	.55087	-.02218	2.13194	2.50097	-.18922	-.24594
1.250	-2.000	-6.00000	-.04408	-.09721	1.12538	.55129	-.01942	2.17334	2.50806	-.11056	-.24382
1.250	.000	-6.00000	-.01250	-.09746	1.12565	.55123	-.01929	2.21266	2.50832	-.03134	-.24447
1.250	2.000	-6.00000	.02023	-.09860	1.12485	.55096	-.02063	2.25230	2.50501	.05066	-.24700
1.250	4.000	-6.00000	.05158	-.10045	1.12192	.55035	-.02456	2.28832	2.49512	.12870	-.25062
1.250	6.000	-6.00000	.08491	-.10422	1.11666	.54970	-.03088	2.32603	2.47983	.21054	-.25843
	GRADIENT	.00000	.01594	-.00028	-.00016	-.00007	-.00030	.01959	-.00074	.03985	-.00063

RUN NO. 495/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.400	-6.000	-6.00000	-.11872	-.11800	1.17686	.61125	-.00717	2.39265	3.02729	-.35938	-.35721
1.400	-4.000	-6.00000	-.08188	-.11353	1.18141	.61192	-.00152	2.45215	3.04425	-.24927	-.34560
1.400	-2.000	-6.00000	-.04508	-.11109	1.18190	.61194	-.00109	2.50828	3.04566	-.13730	-.33833
1.400	.000	-6.00000	-.00835	-.11037	1.18099	.61201	-.00161	2.56470	3.04390	-.02542	-.33594
1.400	2.000	-6.00000	.02806	-.11065	1.18000	.61206	-.00237	2.62039	3.04171	.08532	-.33654
1.400	4.000	-6.00000	.06437	-.11252	1.17726	.61228	-.00419	2.67693	3.03640	.19545	-.34164
1.400	6.000	-6.00000	.10208	-.11631	1.17216	.61197	-.00931	2.73126	3.02076	.30834	-.35133
	GRADIENT	.00000	.01828	.00012	-.00051	.00004	-.00033	.02808	-.00098	.05560	.00049

RUN NO. 374/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.450	-6.000	-6.00000	-.12243	-.12534	1.19593	.62460	-.01315	2.46882	3.18576	-.39002	-.39931
1.450	-4.000	-6.00000	-.08332	-.12173	1.19897	.62480	-.01000	2.53214	3.19556	-.26624	-.38899
1.450	-2.000	-6.00000	-.04466	-.11913	1.20008	.62534	-.00763	2.59757	3.20313	-.14306	-.38159
1.450	.000	-6.00000	-.00568	-.11821	1.20043	.62558	-.00670	2.66166	3.20608	-.01823	-.37897
1.450	2.000	-6.00000	.03337	-.11599	1.19849	.62592	-.00742	2.72671	3.20387	.10691	-.37160
1.450	4.000	-6.00000	.07033	-.11643	1.19554	.62610	-.00945	2.78696	3.19751	.22486	-.37227
1.450	6.000	-6.00000	.10780	-.11891	1.19005	.62586	-.01476	2.84426	3.18078	.34288	-.37823
	GRADIENT	.00000	.01927	.00069	-.00042	.00016	.00007	.03194	.00023	.06161	.00217

RUN NO. 507/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.500	-6.000	-6.00000	-.13359	-.13439	1.23505	.63582	-.00643	2.51935	3.39130	-.45304	-.45574
1.500	-4.000	-6.00000	-.09219	-.13138	1.24140	.63422	-.00570	2.57747	3.39388	-.31290	-.44589
1.500	-2.000	-6.00000	-.05071	-.12976	1.25108	.63189	-.00423	2.63040	3.39865	-.17235	-.44101
1.500	.000	-6.00000	-.00831	-.12940	1.25421	.63074	-.00485	2.69399	3.39653	-.02822	-.43949
1.500	2.000	-6.00000	.03310	-.12772	1.24376	.63345	-.00592	2.78430	3.39317	.11231	-.43338
1.500	4.000	-6.00000	.07412	-.13025	1.24478	.63242	-.00785	2.84598	3.38638	.25100	-.44108
1.500	6.000	-6.00000	.11451	-.13006	1.22504	.63737	-.01034	2.95108	3.37826	.38683	-.43939
	GRADIENT	.00000	.02082	.00021	-.00003	-.00010	-.00030	.03455	-.00102	.07062	.00086

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB51) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -6.000 PHI = .000

RUN NO. 391/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.550	-6.000	-6.00000	-.17076	-.16155	1.44369	.60028	.00160	2.19336	3.61175	-.61677	-.58351
1.550	-4.000	-6.00000	-.12023	-.16084	1.49660	.58581	.00206	2.19712	3.61328	-.43441	-.58116
1.550	-2.000	-6.00000	-.06954	-.15812	1.52778	.57694	.00152	2.23815	3.61124	-.25114	-.57103
1.550	.000	-6.00000	-.01660	-.15308	1.54623	.57109	-.00024	2.30159	3.60504	-.05984	-.55187
1.550	2.000	-6.00000	.03184	-.16430	1.53777	.57397	.00108	2.40470	3.60952	.11492	-.59303
1.550	4.000	-6.00000	.08491	-.17096	1.51145	.58130	.00118	2.54158	3.60983	.30651	-.61712
1.550	6.000	-6.00000	.13837	-.17464	1.45400	.59675	.00001	2.72927	3.60566	.49889	-.62969
	GRADIENT	.00000	.02558	-.00132	.00198	-.00060	-.00011	.04277	-.00043	.09240	-.00470

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB53) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -4.000 PHI = .000

RUN NO. 303/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.000	-4.00000	497.61514	3.85212	1974.13414	2518.12796	1.09323	110.10331	.00000	7.32415	-146.28601
.600	-4.000	-4.00000	496.65005	3.84668	1971.07248	2514.05756	1.09325	109.90306	.00000	5.77914	-134.58030
.600	-2.000	-4.00000	497.48640	3.84943	1973.66667	2517.51675	1.09324	110.30213	.00000	4.62210	-115.94218
.600	.000	-4.00000	498.47433	3.85838	1976.44150	2521.28708	1.09317	110.09323	.00000	4.18772	-89.73584
.600	2.000	-4.00000	497.73939	3.85564	1974.60324	2518.72485	1.09322	109.80364	.00000	4.64543	-63.61301
.600	4.000	-4.00000	496.46375	3.84517	1970.22391	2513.00552	1.09328	109.90550	.00000	5.80071	-45.16002
.600	6.000	-4.00000	497.34360	3.84931	1973.29126	2517.00430	1.09324	110.19648	.00000	7.32283	-33.84242
	GRADIENT	.00000	-.00598	.00016	-.03803	-.04480	.00000	-.02468	.00000	.00332	11.55849

RUN NO. 466/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.000	-4.00000	627.22072	3.88914	1400.11920	2134.23172	1.17040	109.80045	.00000	7.25582	-146.12367
.800	-4.000	-4.00000	627.29622	3.88870	1400.41809	2134.65607	1.17041	109.91354	.00000	5.81309	-135.55202
.800	-2.000	-4.00000	627.64942	3.88833	1401.09641	2135.72324	1.17042	110.19996	.00000	4.63934	-117.08296
.800	.000	-4.00000	627.84215	3.89127	1401.55208	2136.39484	1.17041	109.99992	.00000	4.15308	-89.81831
.800	2.000	-4.00000	627.66281	3.89008	1401.11597	2135.75775	1.17042	110.00872	.00000	4.61438	-63.49061
.800	4.000	-4.00000	627.55698	3.89039	1400.85155	2135.35373	1.17041	109.89502	.00000	5.76521	-45.11941
.800	6.000	-4.00000	627.34479	3.88902	1400.39909	2134.66699	1.17042	109.90320	.00000	7.27332	-33.69403
	GRADIENT	.00000	.02675	.00026	.04433	.07149	-.00000	-.01141	.00000	-.00604	11.72288

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB53) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = -4.000 PHI = .000

RUN NO. 473/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q
.900	-6.000	-4.00000	698.75044
.900	-4.000	-4.00000	698.97455
.900	-2.000	-4.00000	698.10883
.900	.000	-4.00000	698.50132
.900	2.000	-4.00000	699.66494
.900	4.000	-4.00000	700.27573
.900	6.000	-4.00000	699.80141
	GRADIENT	.00000	.20792

RN/FT	PS	PT	QC/Q	TTF
3.99676	1232.57915	2084.55710	1.21926	110.30015
3.99430	1232.89006	2085.11850	1.21924	110.70491
3.99314	1231.41656	2082.60471	1.21924	110.29219
3.99249	1232.04951	2083.72543	1.21926	110.60245
3.99083	1234.04997	2087.13000	1.21924	111.51935
3.99087	1235.11450	2088.92545	1.21922	111.90131
3.98914	1234.25293	2087.48410	1.21924	111.79100
-.00046	.35411	.60696	-.00000	.18100

PHI	THETAI	PHII
.00000	7.24845	-146.34969
.00000	5.76525	-135.36441
.00000	4.62232	-117.31425
.00000	4.13055	-89.84455
.00000	4.58886	-63.39502
.00000	5.73722	-45.05250
.00000	7.24093	-33.69574
.00000	-.00448	11.72715

RUN NO. 489/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q
1.100	-6.000	-4.00000	761.29641
1.100	-4.000	-4.00000	759.94717
1.100	-2.000	-4.00000	760.04980
1.100	.000	-4.00000	759.68533
1.100	2.000	-4.00000	759.69558
1.100	4.000	-4.00000	760.31724
1.100	6.000	-4.00000	759.77114
	GRADIENT	.00000	.01929

RN/FT	PS	PT	QC/Q	TTF
3.88447	898.93619	1919.27174	1.33746	110.20084
3.87490	897.34545	1915.84436	1.33748	110.50026
3.87627	897.44800	1916.08006	1.33749	110.40330
3.87520	896.92176	1915.04544	1.33748	110.30227
3.87532	896.95551	1915.10648	1.33747	110.29798
3.87773	897.76820	1916.77878	1.33745	110.39607
3.87674	897.05206	1915.29413	1.33748	110.18133
.00024	.01765	.04476	-.00000	-.01568

PHI	THETAI	PHII
.00000	7.19744	-146.46471
.00000	5.73946	-135.63602
.00000	4.58602	-117.35570
.00000	4.09478	-89.75134
.00000	4.55296	-63.42823
.00000	5.68929	-44.95665
.00000	7.18130	-33.59171
.00000	-.00667	11.76431

RUN NO. 333/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q
1.250	-6.000	-4.00000	808.05772
1.250	-4.000	-4.00000	807.98265
1.250	-2.000	-4.00000	806.93759
1.250	.000	-4.00000	808.92136
1.250	2.000	-4.00000	807.43992
1.250	4.000	-4.00000	807.40791
1.250	6.000	-4.00000	808.54978
	GRADIENT	.00000	-.03236

RN/FT	PS	PT	QC/Q	TTF
3.90621	738.85122	1913.77397	1.42331	109.50105
3.90591	738.83733	1913.63416	1.42329	109.50208
3.90078	737.82341	1911.09940	1.42331	109.50225
3.90951	739.64912	1915.80806	1.42331	109.59963
3.90225	738.28296	1912.28543	1.42330	109.60923
3.90409	738.37943	1912.34943	1.42328	109.40551
3.90777	739.37855	1915.00465	1.42329	109.60341
-.00011	-.02281	-.06917	-.00000	-.00431

PHI	THETAI	PHII
.00000	7.20666	-146.54399
.00000	5.68795	-135.01606
.00000	4.52829	-116.05095
.00000	4.09735	-89.96018
.00000	4.55196	-63.57359
.00000	5.68634	-45.04300
.00000	7.17985	-33.73185
.00000	.00102	11.62117

RUN NO. 496/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q
1.400	-6.000	-4.00000	761.74431
1.400	-4.000	-4.00000	761.51088
1.400	-2.000	-4.00000	761.51657
1.400	.000	-4.00000	761.50887
1.400	2.000	-4.00000	762.13503
1.400	4.000	-4.00000	761.74059
1.400	6.000	-4.00000	762.44187
	GRADIENT	.00000	.05389

RN/FT	PS	PT	QC/Q	TTF
3.54752	555.32242	1766.98846	1.49357	110.21155
3.54636	555.06346	1766.31905	1.49360	110.20340
3.54654	555.11628	1766.40306	1.49359	110.19538
3.54887	555.09949	1766.36505	1.49358	109.90501
3.54626	555.56710	1767.82430	1.49358	110.57603
3.54666	555.30506	1766.95605	1.49357	110.31051
3.54845	555.79634	1768.54855	1.49358	110.48558
.00002	.04670	.13476	-.00000	.02974

PHI	THETAI	PHII
.00000	7.22172	-146.51974
.00000	5.72466	-135.30087
.00000	4.59788	-117.39766
.00000	4.10956	-89.94418
.00000	4.56363	-63.40519
.00000	5.70452	-45.03140
.00000	7.20136	-33.72797
.00000	-.00373	11.72657

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB53) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -4.000 PHI = .000

RUN NO. 380/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-6.000	-4.00000	757.99996	3.49894	515.07183	1759.51715	1.51366	110.49851	.00000	7.25761	-146.69741
1.450	-4.000	-4.00000	758.00232	3.49809	515.05871	1759.48149	1.51368	110.60000	.00000	5.71229	-135.05305
1.450	-2.000	-4.00000	758.37436	3.50392	515.30945	1760.35889	1.51368	110.09760	.00000	4.55232	-116.06506
1.450	.000	-4.00000	757.52833	3.50001	514.74021	1758.40648	1.51367	110.09880	.00000	4.11930	-89.67714
1.450	2.000	-4.00000	756.21430	3.49549	513.85278	1755.33983	1.51367	109.90838	.00000	4.56660	-63.50717
1.450	4.000	-4.00000	757.82794	3.49818	514.91449	1759.06212	1.51367	110.48566	.00000	5.70621	-44.99549
1.450	6.000	-4.00000	758.39726	3.50314	515.31155	1760.39058	1.51367	110.20274	.00000	7.20589	-33.73183
	GRADIENT	.00000	-.12544	-.00041	-.08726	-.29289	-.00000	-.02090	.00000	.00011	11.63365

RUN NO. 508/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.000	-4.00000	718.05199	3.29231	455.92323	1673 65758	1.53223	110.59266	.00000	7.24343	-146.49196
1.500	-4.000	-4.00000	718.90382	3.29763	456.44995	1675.63167	1.53223	110.40707	.00000	5.76121	-135.45807
1.500	-2.000	-4.00000	718.90668	3.29479	456.50158	1675.67918	1.53221	110.78541	.00000	4.60306	-117.08236
1.500	.000	-4.00000	719.67813	3.30047	456.94400	1677.43753	1.53223	110.49978	.00000	4.11959	-89.86041
1.500	2.000	-4.00000	719.92547	3.29971	457.22390	1678.10741	1.53220	110.76598	.00000	4.57622	-63.41171
1.500	4.000	-4.00000	718.66690	3.29436	456.31480	1675.08943	1.53223	110.69317	.00000	5.72205	-45.05247
1.500	6.000	-4.00000	720.49931	3.30130	457.51790	1679.39091	1.53222	110.88906	.00000	7.21710	-33.62858
	GRADIENT	.00000	.02725	-.00008	.02260	.06719	-.00000	.02764	.00000	-.00526	11.72409

RUN NO. 397/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-6.000	-4.00000	689.05144	3.14665	409.69324	1617.75891	1.54941	110.19643	.00000	7.20583	-146.05222
1.550	-4.000	-4.00000	689.98528	3.15099	410.31303	1620.00279	1.54939	110.19701	.00000	5.68445	-134.33386
1.550	-2.000	-4.00000	689.72260	3.14743	410.06359	1619.31322	1.54940	110.50167	.00000	4.55791	-115.89582
1.550	.000	-4.00000	690.51794	3.15549	410.60119	1621.22604	1.54939	109.91343	.00000	4.13803	-89.95640
1.550	2.000	-4.00000	688.80712	3.14485	409.53599	1617.17686	1.54941	110.28787	.00000	4.58866	-63.56847
1.550	4.000	-4.00000	689.22290	3.15043	409.80057	1618.16417	1.54940	109.79338	.00000	5.72676	-44.99301
1.550	6.000	-4.00000	689.51513	3.14952	410.00396	1618.87206	1.54940	110.10140	.00000	7.23056	-33.75450
	GRADIENT	.00000	-.12201	-.00018	-.07763	-.29068	.00000	-.05105	.00000	.00577	11.55045

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB53) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = -4.000 PHI = .000

RUN NO. 303/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	-4.00000	-.05577	-.03691	1.05022	.16745	-.01119	1.16595	1.26145	-.07036	-.04656
.600	-4.000	-4.00000	-.03881	-.03646	1.05285	.16886	-.00688	1.17858	1.26675	-.04916	-.04619
.600	-2.000	-4.00000	-.02161	-.03623	1.05368	.16921	-.00573	1.18997	1.26829	-.02741	-.04595
.600	.000	-4.00000	-.00383	-.03623	1.05372	.16917	-.00586	1.20119	1.26828	-.00486	-.04596
.600	2.000	-4.00000	.01335	-.03688	1.05344	.16895	-.00628	1.21176	1.26761	.01692	-.04676
.600	4.000	-4.00000	.03124	-.03744	1.05211	.16906	-.00736	1.22323	1.26617	.03955	-.04741
.600	6.000	-4.00000	.04843	-.03835	1.04923	.16778	-.01173	1.23213	1.26075	.06106	-.04836
	GRADIENT	.00000	.00875	-.00013	-.00009	.00001	-.00008	.00555	-.00009	.01109	-.00016

RUN NO. 466/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.800	-6.000	-4.00000	-.07794	-.05138	1.08750	.28258	-.00559	1.33480	1.51583	-.11815	-.07788
.800	-4.000	-4.00000	-.05434	-.05087	1.08989	.28390	-.00151	1.35509	1.52197	-.08271	-.07743
.800	-2.000	-4.00000	-.03073	-.05043	1.09052	.28438	-.00027	1.37398	1.52390	-.04683	-.07685
.800	.000	-4.00000	-.00629	-.05097	1.09073	.28402	-.00058	1.39190	1.52342	-.00959	-.07765
.800	2.000	-4.00000	.01801	-.05201	1.09022	.28403	-.00104	1.41043	1.52273	.02743	-.07920
.800	4.000	-4.00000	.04268	-.05297	1.08842	.28335	-.00367	1.42778	1.51875	.06481	-.08044
.800	6.000	-4.00000	.06699	-.05470	1.08584	.28239	-.00740	1.44419	1.51313	.10136	-.08277
	GRADIENT	.00000	.01214	-.00029	-.00016	-.00007	-.00025	.00909	-.00038	.01847	-.00042

RUN NO. 473/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	-4.00000	-.08461	-.05651	1.09845	.34683	-.00564	1.45984	1.68172	-.14230	-.09504
.900	-4.000	-4.00000	-.05899	-.05492	1.10065	.34786	-.00207	1.48363	1.68774	-.09956	-.09269
.900	-2.000	-4.00000	-.03312	-.05540	1.10168	.34823	-.00053	1.50630	1.69030	-.05599	-.09364
.900	.000	-4.00000	-.00687	-.05530	1.10156	.34803	-.00098	1.52802	1.68959	-.01160	-.09343
.900	2.000	-4.00000	.01998	-.05662	1.10107	.34778	-.00182	1.55009	1.68819	.03372	-.09559
.900	4.000	-4.00000	.04609	-.05763	1.09917	.34730	-.00430	1.57090	1.68403	.07762	-.09705
.900	6.000	-4.00000	.07282	-.05950	1.09635	.34634	-.00836	1.59093	1.67726	.12214	-.09979
	GRADIENT	.00000	.01316	-.00033	-.00018	-.00008	-.00029	.01092	-.00048	.02220	-.00053

RUN NO. 489/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.100	-6.000	-4.00000	-.09064	-.06056	1.10871	.47688	-.00626	1.81556	2.11941	-.19210	-.12835
1.100	-4.000	-4.00000	-.06272	-.05890	1.11120	.47764	-.00254	1.84769	2.12728	-.13341	-.12529
1.100	-2.000	-4.00000	-.03566	-.05890	1.11176	.47780	-.00175	1.87702	2.12900	-.07592	-.12539
1.100	.000	-4.00000	-.00721	-.05907	1.11180	.47823	-.00095	1.90887	2.13082	-.01537	-.12587
1.100	2.000	-4.00000	.02114	-.06008	1.11126	.47817	-.00154	1.93883	2.12952	.04503	-.12794
1.100	4.000	-4.00000	.04939	-.06132	1.10933	.47795	-.00364	1.96800	2.12495	.10495	-.13030
1.100	6.000	-4.00000	.07760	-.06325	1.10658	.47682	-.00836	1.99347	2.11511	.16413	-.13378
	GRADIENT	.00000	.01405	-.00030	-.00021	.00005	-.00010	.01512	-.00021	.02988	-.00063

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB53) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -4.000 PHI = .000

RUN NO. 333/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.250	-6.000	-4.00000	-.10421	-.06737	1.10886	.55589	-.02396	2.12160	2.49679	-.26017	-.16820
1.250	-4.000	-4.00000	-.07382	-.06595	1.11248	.55689	-.01828	2.16410	2.51060	-.18533	-.16557
1.250	-2.000	-4.00000	-.04339	-.06565	1.11397	.55756	-.01543	2.20557	2.51779	-.10924	-.16582
1.250	.000	-4.00000	-.01158	-.06669	1.11423	.55763	-.01503	2.24594	2.51874	-.02917	-.16798
1.250	2.000	-4.00000	.02072	-.06897	1.11377	.55722	-.01639	2.28452	2.51540	.05211	-.17350
1.250	4.000	-4.00000	.05234	-.06988	1.11114	.55672	-.01983	2.32151	2.50663	.13119	-.17517
1.250	6.000	-4.00000	.08468	-.07215	1.10627	.55573	-.02665	2.35632	2.49009	.21086	-.17965
	GRADIENT	.00000	.01582	-.00055	-.00014	-.00003	-.00020	.01969	-.00052	.03972	-.00134

RUN NO. 496/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.400	-6.000	-4.00000	-.11424	-.08003	1.16540	.61675	-.00261	2.43559	3.04083	-.34736	-.24335
1.400	-4.000	-4.00000	-.07855	-.07661	1.16638	.61685	-.00162	2.49038	3.04419	-.23912	-.23320
1.400	-2.000	-4.00000	-.04319	-.07497	1.16676	.61713	-.00051	2.54602	3.04737	-.13162	-.22844
1.400	.000	-4.00000	-.00796	-.07427	1.16653	.61743	.00024	2.60219	3.04970	-.02428	-.22649
1.400	2.000	-4.00000	.02718	-.07538	1.16567	.61742	-.00069	2.65520	3.04682	.08280	-.22966
1.400	4.000	-4.00000	.06290	-.07682	1.16368	.61717	-.00299	2.70775	3.03971	.19119	-.23350
1.400	6.000	-4.00000	.09969	-.07964	1.16095	.61719	-.00533	2.76345	3.03274	.30232	-.24152
	GRADIENT	.00000	.01766	-.00004	-.00033	.00005	-.00015	.02720	-.00048	.05375	-.00009

RUN NO. 380/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.450	-6.000	-4.00000	-.12004	-.08682	1.18417	.62984	-.00892	2.50950	3.19905	-.38401	-.27775
1.450	-4.000	-4.00000	-.08182	-.08533	1.18834	.63028	-.00418	2.57329	3.21421	-.26298	-.27427
1.450	-2.000	-4.00000	-.04251	-.08251	1.18889	.63002	-.00445	2.63453	3.21335	-.13659	-.26513
1.450	.000	-4.00000	-.00437	-.07966	1.18958	.63002	-.00385	2.69580	3.21522	-.01406	-.25611
1.450	2.000	-4.00000	.03368	-.07879	1.18735	.63066	-.00399	2.76166	3.21479	.10826	-.25330
1.450	4.000	-4.00000	.07040	-.07891	1.18353	.63127	-.00562	2.82496	3.20972	.22595	-.25328
1.450	6.000	-4.00000	.10609	-.08027	1.17882	.63088	-.01069	2.87853	3.19358	.33879	-.25636
	GRADIENT	.00000	.01903	.00083	-.00056	.00013	-.00012	.03152	-.00038	.06113	.00269

RUN NO. 508/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.500	-6.000	-4.00000	-.13147	-.09354	1.22571	.63878	-.00588	2.54532	3.39323	-.44610	-.31740
1.500	-4.000	-4.00000	-.09126	-.09260	1.23705	.63622	-.00374	2.59375	3.40054	-.31032	-.31488
1.500	-2.000	-4.00000	-.04923	-.09157	1.25135	.63256	-.00217	2.63768	3.40557	-.16765	-.31185
1.500	.000	-4.00000	-.00670	-.08861	1.24499	.63439	-.00234	2.72377	3.40526	-.02280	-.30173
1.500	2.000	-4.00000	.03402	-.08607	1.22438	.63962	-.00443	2.83266	3.39751	.11557	-.29240
1.500	4.000	-4.00000	.07431	-.08892	1.23046	.63786	-.00453	2.88762	3.39776	.25248	-.30210
1.500	6.000	-4.00000	.11324	-.08947	1.21322	.64109	-.00966	2.97760	3.38030	.38278	-.30243
	GRADIENT	.00000	.02072	.00064	-.00201	.00052	-.00019	.03914	-.00068	.07044	.00225

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB53) (05 DEC 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

BETA = -4.000 PHI = .000

RUN NO. 397/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.550	-6.000	-4.00000	-.16414	-.10889	1.48264	.58958	.00182	2.14003	3.61249	-.59298	-.39337
1.550	-4.000	-4.00000	-.11203	-.10578	1.52843	.57616	.00020	2.15740	3.60619	-.40400	-.38144
1.550	-2.000	-4.00000	-.06581	-.10393	1.55264	.57002	.00134	2.20685	3.61092	-.23765	-.37532
1.550	.000	-4.00000	-.01881	-.09791	1.53247	.57529	.00074	2.32065	3.60831	-.06786	-.35330
1.550	2.000	-4.00000	.02799	-.10802	1.54744	.57149	.00143	2.38419	3.61117	.10108	-.39009
1.550	4.000	-4.00000	.08231	-.12531	1.54884	.57043	-.00009	2.47628	3.60554	.29677	-.45181
1.550	6.000	-4.00000	.13805	-.12817	1.48856	.58784	.00165	2.67555	3.61163	.49858	-.46292
	GRADIENT	.00000	.02412	-.00216	.00178	-.00050	-.00002	.04075	-.00005	.08701	-.00778

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB55) (08 DEC 80)

REFERENCE DATA

PARAMETRIC DATA

SCALE = .0700

BETA = -2.000 PHI = .000

RUN NO. 304/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.000	-2.00000	497.56428	3.85112	1974.54381	2518.51642	1.09324	110.20113	.00000	6.40099	-161.07304
.600	-4.000	-2.00000	496.83533	3.84622	1971.39946	2514.55978	1.09326	110.10432	.00000	4.59124	-152.65125
.600	-2.000	-2.00000	498.29729	3.85533	1975.97279	2520.65091	1.09320	110.30035	.00000	3.02634	-134.75043
.600	.000	-2.00000	497.85227	3.85309	1975.05350	2519.30359	1.09322	110.20150	.00000	2.22350	-89.72552
.600	2.000	-2.00000	498.05527	3.85303	1975.99510	2520.47806	1.09325	110.39811	.00000	3.02858	-45.29184
.600	4.000	-2.00000	496.87477	3.84404	1971.68431	2514.89441	1.09324	110.40006	.00000	4.63593	-26.70156
.600	6.000	-2.00000	497.06543	3.84492	1973.06874	2516.53369	1.09329	110.49966	.00000	6.45160	-18.45397
	GRADIENT	.00000	-.00816	-.00033	.02960	.02482	.00000	.03446	.00000	.00458	17.06790

RUN NO. 467/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.000	-2.00000	627.33163	3.88806	1400.32002	2134.55219	1.17040	109.99946	.00000	6.27715	-160.36552
.800	-4.000	-2.00000	627.34488	3.88639	1400.36142	2134.61737	1.17041	110.20190	.00000	4.57683	-152.92894
.800	-2.000	-2.00000	627.40378	3.88673	1400.46748	2134.78299	1.17040	110.20287	.00000	3.14290	-138.14244
.800	.000	-2.00000	627.46521	3.88719	1400.65886	2135.05957	1.17041	110.19778	.00000	2.21732	-90.22889
.800	2.000	-2.00000	627.22258	3.88827	1400.12601	2134.24130	1.17040	109.90216	.00000	3.01011	-45.16302
.800	4.000	-2.00000	627.26624	3.88593	1400.22830	2134.39194	1.17041	110.19948	.00000	4.60819	-26.63699
.800	6.000	-2.00000	626.97445	3.88502	1399.51686	2133.33124	1.17040	110.09487	.00000	6.41335	-18.39390
	GRADIENT	.00000	-.01692	.00003	-.03039	-.04963	.00000	-.01528	.00000	-.00350	17.27817

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB55) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -2.000 PHI = .000

RUN NO. 474/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.000	-2.00000	699.43717	4.00225	1233.61552	2086.40369	1.21924	110.10808	.00000	6.39593	-161.58222
.900	-4.000	-2.00000	699.48593	3.99895	1233.66081	2086.49652	1.21923	110.50129	.00000	4.52354	-152.42397
.900	-2.000	-2.00000	699.10387	3.99783	1233.14986	2085.54840	1.21925	110.40021	.00000	2.98530	-134.27455
.900	.000	-2.00000	699.14999	3.99979	1233.14166	2085.57956	1.21924	110.20238	.00000	2.20449	-89.88091
.900	2.000	-2.00000	698.41054	3.99497	1232.05247	2083.62793	1.21925	110.29023	.00000	2.99998	-45.08834
.900	4.000	-2.00000	698.57571	3.98953	1232.27823	2084.03766	1.21925	110.99128	.00000	4.59039	-26.61219
.900	6.000	-2.00000	698.38923	3.99365	1231.85994	2083.38348	1.21925	110.40723	.00000	6.38879	-18.47312
	GRADIENT	.00000	-.12569	-.00108	-.19313	-.34191	.00000	.04350	.00000	.00742	17.04049

RUN NO. 490/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-6.000	-2.00000	760.07241	3.87451	897.37784	1916.01816	1.33748	110.60380	.00000	6.39444	-162.15414
1.100	-4.000	-2.00000	760.42298	3.87984	897.81728	1916.93996	1.33747	110.20710	.00000	4.61996	-154.25675
1.100	-2.000	-2.00000	759.79963	3.87681	897.14392	1915.45552	1.33748	110.19961	.00000	3.09234	-137.99239
1.100	.000	-2.00000	758.86823	3.87198	895.96855	1913.00153	1.33747	110.13764	.00000	2.19035	-90.13028
1.100	2.000	-2.00000	760.94251	3.88266	898.50204	1918.35796	1.33745	110.19815	.00000	2.97796	-45.06120
1.100	4.000	-2.00000	760.11202	3.87654	897.46912	1916.18051	1.33747	110.40263	.00000	4.55653	-26.58718
1.100	6.000	-2.00000	759.96157	3.87401	897.27870	1915.79227	1.33747	110.60086	.00000	6.33788	-18.35596
	GRADIENT	.00000	.02605	-.00004	.03309	.06918	-.00000	.01948	.00000	-.01206	17.41352

RUN NO. 334/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.000	-2.00000	807.96318	3.90668	738.78999	1913.55676	1.42330	109.40217	.00000	6.34839	-161.71865
1.250	-4.000	-2.00000	806.09989	3.89863	737.15102	1909.21432	1.42329	109.30495	.00000	4.48388	-152.40233
1.250	-2.000	-2.00000	808.80845	3.91071	739.52541	1915.51994	1.42331	109.40343	.00000	3.00656	-135.60602
1.250	.000	-2.00000	808.93333	3.90956	739.67521	1915.85298	1.42330	109.60250	.00000	2.18880	-90.14648
1.250	2.000	-2.00000	807.24463	3.90167	738.16648	1911.88974	1.42329	109.57714	.00000	2.98063	-45.19822
1.250	4.000	-2.00000	807.67469	3.90526	738.51925	1912.86897	1.42331	109.40444	.00000	4.55357	-26.67590
1.250	6.000	-2.00000	808.19209	3.90592	738.93127	1914.02608	1.42332	109.59963	.00000	6.33335	-18.46786
	GRADIENT	.00000	.07929	.00021	.06888	.18396	.00000	.01863	.00000	.00567	17.09303

RUN NO. 497/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-6.000	-2.00000	761.77887	3.54849	555.29302	1766.98384	1.49358	110.10404	.00000	6.35989	-161.74203
1.400	-4.000	-2.00000	761.22629	3.54354	554.90970	1765.73102	1.49358	110.39487	.00000	4.56608	-153.51091
1.400	-2.000	-2.00000	761.11823	3.54219	554.79856	1765.43709	1.49359	110.49233	.00000	3.06604	-136.77631
1.400	.000	-2.00000	761.60914	3.54353	555.14338	1766.56186	1.49360	110.60393	.00000	2.18225	-89.07753
1.400	2.000	-2.00000	761.57114	3.54417	555.10173	1766.44672	1.49360	110.50157	.00000	2.98660	-45.30357
1.400	4.000	-2.00000	761.64767	3.54300	555.15484	1766.62277	1.49361	110.68672	.00000	4.56741	-26.67330
1.400	6.000	-2.00000	761.36868	3.54344	555.00263	1766.04469	1.49359	110.48574	.00000	6.35402	-18.48924
	GRADIENT	.00000	.06478	.00005	.03967	.13966	.00000	.02965	.00000	-.00404	17.25740

IA132(AFDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB55) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = -2.000 PHI = .000

RUN NO. 379/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-6.000	-2.00000	757.25420	3.49542	514.53291	1757.74371	1.51368	110.[illegible]51	.00000	6.38672	-161.90179
1.450	-4.000	-2.00000	757.40865	3.49775	514.62895	1758.08894	1.51368	110.[illegible]253	.00000	4.58974	-153.70185
1.450	-2.000	-2.00000	757.33476	3.49742	514.59935	1757.93120	1.51367	110.30418	.00000	3.00280	-135.20313
1.450	.000	-2.00000	757.56686	3.49935	514.74606	1758.45853	1.51367	110.19764	.00000	2.19111	-89.36975
1.450	2.000	-2.00000	757.29889	3.49819	514.59421	1757.86227	1.51367	110.19253	.00000	2.98901	-45.44863
1.450	4.000	-2.00000	757.16780	3.50152	514.50052	1757.55273	1.51366	109.71143	.00000	4.56805	-26.55573
1.450	6.000	-2.00000	757.10468	3.50046	514.46084	1757.40726	1.51367	109.80495	.00000	6.35402	-18.35587
	GRADIENT	.00000	-.02588	.00042	-.01310	-.05707	-.00000	-.03469	.00000	-.00286	17.20233

RUN NO. 509/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.000	-2.00000	718.02747	3.29451	455.91730	1673.61206	1.53223	110.29491	.00000	6.44373	-162.31392
1.500	-4.000	-2.00000	717.83545	3.29209	455.80381	1673.16699	1.53223	110.49574	.00000	4.57374	-153.33944
1.500	-2.000	-2.00000	718.12613	3.29328	455.97182	1673.83383	1.53223	110.51137	.00000	3.12477	-138.27392
1.500	.000	-2.00000	719.26402	3.29858	456.67789	1676.46947	1.53224	110.49854	.00000	2.18575	-88.76363
1.500	2.000	-2.00000	720.15769	3.30290	457.38475	1678.65965	1.53220	110.49292	.00000	2.99452	-45.29988
1.500	4.000	-2.00000	719.13943	3.29648	456.61447	1676.19333	1.53224	110.69973	.00000	4.57851	-26.63732
1.500	6.000	-2.00000	720.19834	3.30061	457.29453	1678.66298	1.53223	110.79344	.00000	6.36807	-18.41806
	GRADIENT	.00000	.23198	.00092	.15171	.54392	-.00000	.01948	.00000	-.00604	17.31891

RUN NO. 396/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-6.000	-2.00000	688.84669	3.14644	409.61206	1617.31287	1.54939	110.10587	.00000	6.33753	-161.08439
1.550	-4.000	-2.00000	688.79878	3.14400	409.53325	1617.15620	1.54941	110.39695	.00000	4.61357	-153.69358
1.550	-2.000	-2.00000	689.82587	3.15166	410.11670	1619.54883	1.54941	109.99256	.00000	3.04905	-135.92763
1.550	.000	-2.00000	689.37556	3.15034	409.90260	1618.53181	1.54940	109.90049	.00000	2.19315	-88.79847
1.550	2.000	-2.00000	689.20129	3.14585	409.78858	1618.11465	1.54940	110.39758	.00000	2.99804	-45.35191
1.550	4.000	-2.00000	690.12357	3.15155	410.37713	1620.31328	1.54939	110.20418	.00000	4.58301	-26.59247
1.550	6.000	-2.00000	688.72646	3.14293	409.48438	1616.98273	1.54940	110.49634	.00000	6.37602	-18.34827
	GRADIENT	.00000	.10125	.00046	.06798	.24400	-.00000	.00097	.00000	-.00561	17.23890

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB55) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -2.000 PHI = .000

RUN NO. 0/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	-2.00000	-.05432	-.01925	1.04756	.17168	-.00854	1.17292	1.26468	-.06870	-.02435
.600	-4.000	-2.00000	-.03767	-.01868	1.04908	.17297	-.00554	1.18525	1.26849	-.04778	-.02370
.600	-2.000	-2.00000	-.02078	-.01904	1.04899	.17337	-.00527	1.19654	1.26899	-.02638	-.02417
.600	.000	-2.00000	-.00309	-.02024	1.04880	.17361	-.00507	1.20812	1.26913	-.00392	-.02569
.600	2.000	-2.00000	.01448	-.02042	1.04851	.17346	-.00553	1.21904	1.26855	.01837	-.02590
.600	4.000	-2.00000	.03141	-.02073	1.04757	.17296	-.00699	1.22902	1.26665	.03978	-.02626
.600	6.000	-2.00000	.04824	-.02111	1.04558	.17235	-.00959	1.23871	1.26332	.06093	-.02666
	GRADIENT	.00000	.00867	-.00027	-.00017	.00000	-.00016	.00550	-.00021	.01099	-.00034

RUN NO. 0/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.800	-6.000	-2.00000	-.07576	-.02659	1.08277	.28679	-.00406	1.34461	1.51817	-.11502	-.04037
.800	-4.000	-2.00000	-.05282	-.02607	1.08394	.28830	-.00086	1.36485	1.52303	-.08045	-.03971
.800	-2.000	-2.00000	-.02974	-.02638	1.08392	.28898	.00008	1.38377	1.52446	-.04533	-.04022
.800	.000	-2.00000	-.00527	-.02749	1.08377	.28923	.00039	1.40301	1.52491	-.00804	-.04192
.800	2.000	-2.00000	.01892	-.02890	1.08351	.28907	-.00016	1.42102	1.52407	.02883	-.04404
.800	4.000	-2.00000	.04291	-.02978	1.08245	.28840	-.00209	1.43792	1.52114	.06527	-.04530
.800	6.000	-2.00000	.06716	-.03079	1.08020	.28720	-.00587	1.45382	1.51544	.10178	-.04666
	GRADIENT	.00000	.01201	-.00050	-.00017	.00001	-.00014	.00917	-.00021	.01828	-.00075

RUN NO. 0/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	-2.00000	-.08256	-.02927	1.09334	.35077	-.00429	1.47077	1.68406	-.13903	-.04929
.900	-4.000	-2.00000	-.05727	-.02845	1.09448	.35214	-.00114	1.49517	1.68939	-.09675	-.04806
.900	-2.000	-2.00000	-.03193	-.02864	1.09432	.35304	.00015	1.51868	1.69147	-.05401	-.04845
.900	.000	-2.00000	-.00614	-.03013	1.09432	.35305	.00014	1.54053	1.69151	-.01039	-.05097
.900	2.000	-2.00000	.02072	-.03145	1.09402	.35305	-.00006	1.56324	1.69105	.03504	-.05318
.900	4.000	-2.00000	.04640	-.03198	1.09286	.35259	-.00187	1.58377	1.68804	.07832	-.05398
.900	6.000	-2.00000	.07211	-.03276	1.09058	.35143	-.00579	1.60247	1.68151	.12125	-.05508
	GRADIENT	.00000	.01300	-.00049	-.00018	.00005	-.00008	.01109	-.00016	.02196	-.00083

RUN NO. 0/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.100	-6.000	-2.00000	-.08786	-.03129	1.10325	.48052	-.00428	1.83169	2.12374	-.18659	-.06645
1.100	-4.000	-2.00000	-.06135	-.03060	1.10439	.48166	-.00101	1.86389	2.13064	-.13071	-.06519
1.100	-2.000	-2.00000	-.03424	-.03051	1.10424	.48241	.00033	1.89550	2.13341	-.07305	-.06510
1.100	.000	-2.00000	-.00592	-.03208	1.10423	.48218	-.00016	1.92487	2.13247	-.01261	-.06841
1.100	2.000	-2.00000	.02208	-.03299	1.10385	.48228	-.00026	1.95508	2.13214	.04707	-.07033
1.100	4.000	-2.00000	.04988	-.03354	1.10276	.48196	-.00191	1.98345	2.12871	.10618	-.07140
1.100	6.000	-2.00000	.07743	-.03521	1.10024	.48096	-.00614	2.00872	2.11977	.16414	-.07463
	GRADIENT	.00000	.01394	-.00042	-.00018	.00002	-.00012	.01493	-.00026	.02970	-.00088

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4R855) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = -2.000 PHI = .000

RUN NO. 0/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.250	-6.000	-2.00000	-.10144	-.03427	1.10317	.55936	-.02117	2.14246	2.50357	-.25395	-.08578
1.250	-4.000	-2.00000	-.07203	-.03317	1.10571	.56053	-.01606	2.18487	2.51602	-.18122	-.08347
1.250	-2.000	-2.00000	-.04200	-.03363	1.10591	.56079	-.01537	2.22392	2.51795	-.10577	-.08457
1.250	.000	-2.00000	-.01054	-.03679	1.10562	.56069	-.01583	2.26305	2.51673	-.02652	-.09259
1.250	2.000	-2.00000	.02195	-.03828	1.10560	.56083	-.01549	2.30467	2.51749	.05525	-.09638
1.250	4.000	-2.00000	.05404	-.03898	1.10425	.56069	-.01710	2.34422	2.51361	.13582	-.09797
	6.000	-2.00000	.08547	-.03998	1.10021	.55971	-.02318	2.37799	2.49881	.21356	-.09991
	GRADIENT	.00000	.01580	-.00082	-.00016	.00002	-.00011	.01997	-.00026	.03975	-.00204

RUN NO. 0/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.400	-6.000	-2.00000	-.11241	-.04285	1.15782	.61959	-.00177	2.45768	3.04359	-.34211	-.13041
1.400	-4.000	-2.00000	-.07682	-.04065	1.15785	.62000	-.00064	2.51453	3.04694	-.23406	-.12383
1.400	-2.000	-2.00000	-.04144	-.03917	1.15724	.62027	-.00048	2.57032	3.04756	-.12629	-.11937
1.400	.000	-2.00000	-.00689	-.03987	1.15610	.62023	-.00145	2.62306	3.04467	-.02099	-.12138
1.400	2.000	-2.00000	.02746	-.04045	1.15634	.62042	-.00092	2.67630	3.04634	.08366	-.12322
1.400	4.000	-2.00000	.06247	-.04128	1.15532	.62029	-.00215	2.72862	3.04263	.19006	-.12560
	6.000	-2.00000	.09844	-.04316	1.15350	.62021	-.00387	2.78252	3.03720	.29896	-.13109
	GRADIENT	.00000	.01737	-.00013	-.00030	.00004	-.00017	.02671	-.00049	.05291	-.00037

RUN NO. 0/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.450	-6.000	-2.00000	-.11859	-.04881	1.17674	.63320	-.00610	2.53609	3.20816	-.38045	-.15659
1.450	-4.000	-2.00000	-.08131	-.04826	1.18104	.63286	-.00339	2.59297	3.21687	-.26157	-.15526
1.450	-2.000	-2.00000	-.04239	-.04689	1.18396	.63245	-.00201	2.65243	3.22120	-.13655	-.15102
1.450	.000	-2.00000	-.00322	-.04268	1.18386	.63232	-.00246	2.71455	3.21978	-.01036	-.13744
1.450	2.000	-2.00000	.03290	-.04021	1.18161	.63301	-.00243	2.77784	3.21976	.10592	-.12947
1.450	4.000	-2.00000	.06953	-.04029	1.17795	.63347	-.00430	2.84000	3.21376	.22346	-.12949
	6.000	-2.00000	.10549	-.04193	1.17217	.63374	-.00849	2.89912	3.20040	.33761	-.13418
	GRADIENT	.00000	.01885	.00113	-.00043	.00009	-.00011	.03097	-.00038	.06063	.00365

RUN NO. 0/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.500	-6.000	-2.00000	-.13010	-.05244	1.22107	.64069	-.00433	2.56208	3.39842	-.44214	-.17822
1.500	-4.000	-2.00000	-.09119	-.05188	1.23754	.63654	-.00241	2.59607	3.40485	-.31049	-.17666
1.500	-2.000	-2.00000	-.04930	-.05186	1.24059	.63544	-.00299	2.65917	3.40300	-.16778	-.17648
1.500	.000	-2.00000	-.00629	-.05144	1.24779	.63337	-.00289	2.71685	3.40343	-.02141	-.17506
1.500	2.000	-2.00000	.03529	-.04832	1.23908	.63513	-.00486	2.80062	3.39596	.11982	-.16406
1.500	4.000	-2.00000	.07455	-.04732	1.22892	.63839	-.00431	2.89212	3.39852	.25336	-.16080
	6.000	-2.00000	.11383	-.04915	1.21600	.64079	-.00824	2.97659	3.38525	.38534	-.16639
	GRADIENT	.00000	.02080	.00063	-.00094	.00017	-.00028	.03668	-.00099	.07077	.00221

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB55) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = -2.000 PHI = .000

RUN NO. 0/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.550	-6.000	-2.00000	-.15661	-.05818	1.49784	.58472	.00034	2.12559	3.60683	-.56487	-.20986
1.550	-4.000	-2.00000	-.10444	-.05360	1.54179	.57296	.00124	2.15319	3.61045	-.37708	-.19351
1.550	-2.000	-2.00000	-.04982	-.04353	1.45924	.59665	.00322	2.38909	3.61778	-.18025	-.15766
1.550	.000	-2.00000	-.01259	-.04128	1.36401	.62261	.00237	2.62705	3.61436	-.04551	-.14919
1.550	2.000	-2.00000	.02262	-.05218	1.39716	.61345	.00236	2.62785	3.61440	.08175	-.18858
1.550	4.000	-2.00000	.07996	-.07907	1.52713	.57652	.00016	2.50556	3.60614	.28836	-.28514
1.550	6.000	-2.00000	.13575	-.08110	1.51544	.57998	.00056	2.62573	3.60800	.48980	-.29261
	GRADIENT	.00000	.02206	-.00298	-.00457	.00120	-.00015	.04717	-.00060	.07964	-.01071

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB57) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = .000 PHI = .000

RUN NO. 305/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.000	.00000	498.06554	3.85498	1976.42717	2520.94879	1.09327	110.19979	.00000	-5.64616	-.42607
.600	-4.000	.00000	497.28892	3.84919	1973.86229	2517.56494	1.09329	110.20026	.00000	-3.68027	-.25271
.600	-2.000	.00000	496.78528	3.84537	1972.07082	2515.24060	1.09331	110.20005	.00000	-1.71669	-.08644
.600	.000	.00000	497.33657	3.84738	1972.95526	2516.62967	1.09323	110.39904	.00000	.24349	.02618
.600	2.000	.00000	497.28613	3.84611	1972.66789	2516.28415	1.09321	110.49842	.00000	2.20446	-.04470
.600	4.000	.00000	498.02209	3.85412	1975.03471	2519.41388	1.09317	110.20052	.00000	4.16816	-.01519
.600	6.000	.00000	497.69633	3.85041	1974.98239	2519.09726	1.09327	110.39892	.00000	6.13303	-.01401
	GRADIENT	.00000	.09836	.00053	.14710	.23707	-.00002	.01495	.00000	.98090	.02584

RUN NO. 468/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.000	.00000	627.19864	3.88547	1400.00133	2134.08151	1.17041	110.20132	.00000	-5.61150	-.68959
.800	-4.000	.00000	626.93433	3.88305	1399.67847	2133.51822	1.17045	110.30855	.00000	-3.65736	-.37151
.800	-2.000	.00000	627.30898	3.88621	1400.36737	2134.58377	1.17039	110.20039	.00000	-1.70510	-.20055
.800	.000	.00000	627.13115	3.88250	1399.95137	2133.97369	1.17042	110.49982	.00000	.24315	-.01362
.800	2.000	.00000	627.28055	3.88428	1400.21962	2134.40292	1.17040	110.39761	.00000	2.19248	-.00538
.800	4.000	.00000	627.22306	3.88564	1400.09138	2134.20126	1.17041	110.20162	.00000	4.14519	-.00153
.800	6.000	.00000	627.13374	3.88333	1399.89029	2133.89883	1.17041	110.40173	.00000	6.09880	.00647
	GRADIENT	.00000	.02745	.00016	.03390	.05926	-.00000	-.00083	.00000	.97513	.04676

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB57) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = .000 PHI = .000

RUN NO. 475/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.000	.00000	699.20518	3.99472	1233.21315	2085.71216	1.21923	110.79584	.00000	-5.57976	.61721
.900	-4.000	.00000	699.41261	3.99322	1233.60635	2086.36810	1.21924	111.09739	.00000	-3.63568	.52111
.900	-2.000	.00000	699.41015	3.99495	1233.58829	2086.35043	1.21924	110.89841	.00000	-1.69263	.28326
.900	.000	.00000	699.28377	3.99251	1233.41827	2086.02206	1.21924	111.09789	.00000	.24728	.09020
.900	2.000	.00000	699.03450	3.99729	1232.90135	2085.19965	1.21923	110.40154	.00000	2.18772	.03226
.900	4.000	.00000	699.23580	3.99490	1233.27304	2085.81381	1.21922	110.79536	.00000	4.13025	.00801
.900	6.000	.00000	698.56229	3.99466	1232.04546	2083.75333	1.21921	110.39309	.00000	6.07390	.00851
	GRADIENT	.00000	-.03646	.00028	-.06768	-.11297	-.00000	-.05505	.00000	.97061	-.06386

RUN NO. 491/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-6.000	.00000	760.45670	3.87472	897.82225	1916.97452	1.33748	110.79998	.00000	-5.52610	.05357
1.100	-4.000	.00000	761.36552	3.87939	898.91341	1919.29317	1.33747	110.79840	.00000	-3.59858	-.00719
1.100	-2.000	.00000	760.92044	3.87978	898.41453	1918.20537	1.33747	110.50204	.00000	-1.67280	.12890
1.100	.000	.00000	760.76212	3.87545	898.22874	1917.80280	1.33748	110.89850	.00000	.25124	.09763
1.100	2.000	.00000	759.27657	3.87234	896.49255	1914.09583	1.33746	110.39869	.00000	2.17624	.06280
1.100	4.000	.00000	759.28716	3.86886	896.48729	1914.09698	1.33747	110.79549	.00000	4.10197	.02810
1.100	6.000	.00000	759.17358	3.87089	896.35190	1913.79599	1.33748	110.49924	.00000	6.02875	.03207
	GRADIENT	.00000	-.29003	-.00142	-.33871	-.72509	-.00000	-.00546	.00000	.96251	.00022

RUN NO. 335/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.000	.00000	807.26099	3.90424	738.20463	1912.01854	1.42328	109.30581	.00000	-5.53125	.03615
1.250	-4.000	.00000	807.70375	3.90374	738.65494	1913.13344	1.42326	109.60574	.00000	-3.60384	-.12347
1.250	-2.000	.00000	807.51881	3.90541	738.36697	1912.52054	1.42330	109.30319	.00000	-1.67726	-.18896
1.250	.000	.00000	808.21311	3.90611	739.03843	1914.21436	1.42329	109.60310	.00000	.24777	-.16504
1.250	2.000	.00000	807.88943	3.90715	738.64738	1913.29903	1.42332	109.29946	.00000	2.17178	-.08343
1.250	4.000	.00000	807.39919	3.90238	738.45845	1912.42061	1.42325	109.60309	.00000	4.09739	-.06268
1.250	6.000	.00000	807.05769	3.90343	738.16468	1911.63348	1.42325	109.30692	.00000	6.02244	-.03449
	GRADIENT	.00000	-.01193	-.00005	-.00563	-.03236	.00000	-.00045	.00000	.96258	.01136

RUN NO. 498/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-6.000	.00000	761.09583	3.54145	554.80872	1765.42184	1.49359	110.57353	.00000	-5.54453	-.24019
1.400	-4.000	.00000	761.41769	3.54127	555.02757	1766.15079	1.49359	110.77471	.00000	-3.61285	-.19909
1.400	-2.000	.00000	761.39070	3.54452	555.01906	1766.09546	1.49359	110.36671	.00000	-1.68086	-.14644
1.400	.000	.00000	761.87601	3.54410	555.33237	1767.16542	1.49360	110.68453	.00000	.24906	-.10883
1.400	2.000	.00000	761.22446	3.54367	554.91942	1765.74318	1.49358	110.38005	.00000	2.18026	-.05708
1.400	4.000	.00000	761.54726	3.54411	555.08824	1766.40021	1.49360	110.49643	.00000	4.11140	-.04083
1.400	6.000	.00000	761.35476	3.54065	554.97184	1765.98897	1.49359	110.81205	.00000	6.04239	-.04323
	GRADIENT	.00000	.00464	.00024	.00109	.00733	.00000	-.02716	.00000	.96548	.02029

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R857) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = .000 PHI = .000

RUN NO. 375/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-6.000	.00000	756.83705	3.49840	514.27478	1756.78687	1.51367	109.90521	.00000	-5.54912	.18951
1.450	-4.000	.00000	757.09723	3.49961	514.42154	1757.33626	1.51367	109.90004	.00000	-3.61644	.09477
1.450	-2.000	.00000	756.46951	3.50252	513.99840	1755.91156	1.51367	109.20197	.00000	-1.68436	-.07664
1.450	.000	.00000	756.58052	3.49963	514.10999	1756.19827	1.51366	109.61156	.00000	.24743	-.00155
1.450	2.000	.00000	757.82311	3.50295	514.92797	1759.06326	1.51367	109.90311	.00000	2.17931	.17869
1.450	4.000	.00000	757.43711	3.50116	514.67056	1758.17757	1.51366	109.90455	.00000	4.11192	-.00623
1.450	6.000	.00000	758.76987	3.49668	515.56757	1761.25995	1.51368	111.20536	.00000	6.04288	.00110
	GRADIENT	.00000	.10167	.00018	.07138	.23872	-.00000	.03551	.00000	.96602	.00267

RUN NO. 510/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.000	.00000	717.76019	3.29167	455.72341	1672.96664	1.53224	110.50080	.00000	-5.56115	.53688
1.500	-4.000	.00000	719.34425	3.29899	456.74582	1676.67207	1.53223	110.49623	.00000	-3.62352	.18905
1.500	-2.000	.00000	720.26110	3.30320	457.31964	1678.80504	1.53223	110.49483	.00000	-1.68730	.10273
1.500	.000	.00000	719.44750	3.30019	456.80193	1676.90573	1.53223	110.39986	.00000	.24816	.05736
1.500	2.000	.00000	717.32832	3.28978	455.49496	1671.99664	1.53222	110.49489	.00000	2.18516	-.02052
1.500	4.000	.00000	717.86443	3.29224	455.81307	1673.23293	1.53223	110.49251	.00000	4.12099	.01448
1.500	6.000	.00000	719.19470	3.29903	456.64029	1676.31415	1.53224	110.40054	.00000	6.05549	-.01447
	GRADIENT	.00000	-.29462	-.00135	-.18451	-.68433	-.00000	-.00037	.00000	.96807	-.02362

RUN NO. 392/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-6.000	.00000	689.08289	3.14903	409.73171	1617.84361	1.54940	109.89689	.00000	-5.57090	.17358
1.550	-4.000	.00000	689.56203	3.15050	410.00153	1618.96233	1.54940	109.99307	.00000	-3.63129	.62765
1.550	-2.000	.00000	689.74841	3.14833	410.09930	1619.38591	1.54940	110.39819	.00000	-1.69186	-.25420
1.550	.000	.00000	688.15694	3.14405	409.17984	1615.67406	1.54939	109.99909	.00000	.24659	.35147
1.550	2.000	.00000	689.76013	3.14917	410.12214	1619.42778	1.54940	110.29557	.00000	2.18583	-.09548
1.550	4.000	.00000	689.73155	3.15197	410.15384	1619.40149	1.54939	109.90730	.00000	4.12515	.12404
1.550	6.000	.00000	689.30784	3.14856	409.88686	1618.39273	1.54939	110.10319	.00000	6.06366	.01775
	GRADIENT	.00000	.01754	.00019	.01637	.04601	-.00000	-.01371	.00000	.96953	-.04243

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB57) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = .000 PHI = .000

RUN NO. 305/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	.00000	-.05045	.00016	1.04627	.17249	-.00882	1.17654	1.26436	-.06379	.00020
.600	-4.000	.00000	-.03420	-.00032	1.04742	.17432	-.00543	1.18943	1.26855	-.04337	-.00040
.600	-2.000	.00000	-.01737	-.00053	1.04723	.17508	-.00467	1.20121	1.26948	-.02204	-.00121
.600	.000	.00000	-.00089	-.00184	1.04675	.17491	-.00547	1.21142	1.26864	-.00113	-.00234
.600	2.000	.00000	.01577	-.00263	1.04648	.17523	-.00534	1.22247	1.26882	.02001	-.00334
.600	4.000	.00000	.03233	-.00382	1.04571	.17439	-.00715	1.23171	1.26660	.04095	-.00485
.600	6.000	.00000	.04832	-.00414	1.04385	.17343	-.01001	1.24033	1.26287	.06102	-.00523
	GRADIENT	.00000	.00831	-.00043	-.00021	.00002	-.00021	.00529	-.00023	.01054	-.00055

RUN NO. 468/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.800	-6.000	.00000	-.07216	-.00059	1.08141	.28806	-.00353	1.34981	1.51897	-.10961	-.00089
.800	-4.000	.00000	-.04895	-.00162	1.08217	.29061	.00080	1.37232	1.52549	-.07467	-.00246
.800	-2.000	.00000	-.02560	-.00278	1.08172	.29031	-.00005	1.38955	1.52421	-.03903	-.00423
.800	.000	.00000	-.00197	-.00354	1.08142	.29090	.00049	1.40874	1.52506	-.00300	-.00539
.800	2.000	.00000	.02048	-.00492	1.08145	.29050	-.00006	1.42504	1.52423	.03121	-.00749
.800	4.000	.00000	.04436	-.00570	1.08021	.28998	-.00194	1.44215	1.52138	.06748	-.00867
.800	6.000	.00000	.06699	-.00634	1.07787	.28890	-.00564	1.45704	1.51578	.10154	-.00962
	GRADIENT	.00000	.01163	-.00052	-.00021	-.00005	-.00027	.00876	-.00041	.01773	-.00078

RUN NO. 475/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	.00000	-.07926	-.00150	1.09188	.35204	-.00367	1.47652	1.68510	-.13356	-.00253
.900	-4.000	.00000	-.05380	-.00250	1.09256	.35341	-.00090	1.50113	1.68974	-.09091	-.00422
.900	-2.000	.00000	-.02788	-.00347	1.09216	.35397	-.00042	1.52435	1.69057	-.04713	-.00586
.900	.000	.00000	-.00241	-.00472	1.09178	.35457	.00018	1.54732	1.69156	-.00408	-.00798
.900	2.000	.00000	.02240	-.00569	1.09147	.35433	-.00049	1.56772	1.69046	.03786	-.00961
.900	4.000	.00000	.04837	-.00636	1.09049	.35381	-.00220	1.58834	1.68756	.08163	-.01073
.900	6.000	.00000	.07341	-.00673	1.08802	.35288	-.00593	1.60701	1.68132	.12343	-.01132
	GRADIENT	.00000	.01273	-.00050	-.00024	.00006	-.00013	.01089	-.00022	.02150	-.00084

RUN NO. 491/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.100	-6.000	.00000	-.08567	-.00124	1.10155	.48145	-.00403	1.83745	2.12427	-.18199	-.00263
1.100	-4.000	.00000	-.05838	-.00238	1.10256	.48263	-.00082	1.87064	2.13108	-.12442	-.00507
1.100	-2.000	.00000	-.03056	-.00346	1.10210	.48336	.00019	1.90298	2.13318	-.06518	-.00738
1.100	.000	.00000	-.00334	-.00479	1.10178	.48350	.00018	1.93255	2.13317	-.00713	-.01022
1.100	2.000	.00000	.02409	-.00612	1.10140	.48355	-.00006	1.96197	2.13262	.05138	-.01306
1.100	4.000	.00000	.05149	-.00632	1.10022	.48312	-.00197	1.98950	2.12859	.10961	-.01345
1.100	6.000	.00000	.07841	-.00686	1.09779	.48195	-.00647	2.01338	2.11907	.16615	-.01454
	GRADIENT	.00000	.01372	-.00053	-.00027	.00006	-.00013	.01484	-.00028	.02923	-.00112

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB57) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = .000 PHI = .000

RUN NO. 335/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.250	-6.000	.00000	-.09832	-.00359	1.10242	.55944	-.02162	2.14682	2.50231	-.24601	-.00898
1.250	-4.000	.00000	-.06710	-.00451	1.10401	.56071	-.01717	2.19208	2.51316	-.16863	-.01133
1.250	-2.000	.00000	-.03630	-.00524	1.10348	.56140	-.01616	2.23433	2.51593	-.09133	-.01319
1.250	.000	.00000	-.00559	-.00666	1.10296	.56152	-.01634	2.27356	2.51540	-.01406	-.01674
1.250	2.000	.00000	.02507	-.00751	1.10275	.56183	-.01590	2.31377	2.51672	.06310	-.01891
1.250	4.000	.00000	.05574	-.00773	1.10150	.56171	-.01710	2.35162	2.51316	.14007	-.01943
1.250	6.000	.00000	.08642	-.00829	1.09746	.56073	-.02310	2.38446	2.49838	.21589	-.02072
	GRADIENT	.00000	.01535	-.00044	-.00029	.00012	.00002	.01993	.00004	.03859	-.00110

RUN NO. 498/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.400	-6.000	.00000	-.11033	-.00094	1.15159	.62072	-.00418	2.46906	3.03623	-.33499	-.00286
1.400	-4.000	.00000	-.07612	-.00131	1.15461	.62155	.00062	2.52625	3.05089	-.23221	-.00400
1.400	-2.000	.00000	-.04067	-.00335	1.15392	.62151	-.00007	2.58006	3.04872	-.12399	-.01023
1.400	.000	.00000	-.00536	-.00541	1.15370	.62157	-.00015	2.63435	3.04867	-.01633	-.01650
1.400	2.000	.00000	.02819	-.00566	1.15317	.62120	-.00151	2.68281	3.04425	.08582	-.01723
1.400	4.000	.00000	.06293	-.00664	1.15377	.62133	-.00073	2.73671	3.04692	.19175	-.02023
1.400	6.000	.00000	.09779	-.00627	1.15041	.62098	-.00455	2.78679	3.03521	.29682	-.01903
	GRADIENT	.00000	.01735	-.00065	-.00012	-.00004	-.00021	.02618	-.00062	.05289	-.00197

RUN NO. 375/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.450	-6.000	.00000	-.12084	.00245	1.17676	.63467	-.00204	2.54261	3.22104	-.38921	.00790
1.450	-4.000	.00000	-.08344	.00238	1.17905	.63370	-.00277	2.59573	3.21883	-.26857	.00765
1.450	-2.000	.00000	-.04678	.00167	1.17934	.63223	-.00655	2.64408	3.20670	-.15000	.00536
1.450	.000	.00000	-.00958	-.00001	1.18080	.63231	-.00502	2.70433	3.21145	-.03077	-.00003
1.450	2.000	.00000	.02912	-.00035	1.18101	.63317	-.00255	2.77291	3.21947	.09376	-.00113
1.450	4.000	.00000	.06740	-.00082	1.17655	.63396	-.00417	2.84022	3.21423	.21662	-.00264
1.450	6.000	.00000	.10497	-.00122	1.17043	.63449	-.00799	2.90394	3.20214	.33613	-.00390
	GRADIENT	.00000	.01888	-.00042	-.00017	.00007	.00006	.03089	.00018	.06071	-.00135

RUN NO. 510/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.500	-6.000	.00000	-.13171	-.00241	1.21894	.64018	-.00757	2.55606	3.38763	-.44618	-.00818
1.500	-4.000	.00000	-.09466	-.00330	1.23349	.63755	-.00294	2.59791	3.40317	-.32215	-.01122
1.500	-2.000	.00000	-.05403	-.00447	1.25509	.63139	-.00244	2.62087	3.40490	-.18397	-.01521
1.500	.000	.00000	-.00825	-.00598	1.26132	.62948	-.00265	2.68487	3.40418	-.02807	-.02035
1.500	2.000	.00000	.03276	-.00465	1.22053	.64117	-.00341	2.84254	3.40139	.11144	-.01581
1.500	4.000	.00000	.07401	-.00617	1.23428	.63720	-.00325	2.88219	3.40206	.25176	-.02098
1.500	6.000	.00000	.11366	-.00695	1.21173	.64228	-.00763	2.98801	3.38739	.38503	-.02354
	GRADIENT	.00000	.02121	-.00030	-.00165	.00045	-.00008	.03951	-.00029	.07216	-.00101

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB57) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = .000 PHI = .000

RUN NO. 392/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.550	-6.000	.00000	-.14624	-.02400	1.53643	.57380	-.00022	2.08274	3.60498	-.52720	-.08651
1.550	-4.000	.00000	-.09170	-.02507	1.53092	.57614	.00165	2.19364	3.61181	-.33120	-.09055
1.550	-2.000	.00000	-.03468	-.01887	1.41047	.61002	.00298	2.50149	3.61673	-.12543	-.06826
1.550	.000	.00000	-.00887	-.01850	1.33611	.63134	.00510	2.69645	3.62423	-.03217	-.06705
1.550	2.000	.00000	.02438	-.02141	1.35573	.62500	.00261	2.71074	3.61526	.08815	-.07740
1.550	4.000	.00000	.08136	-.03482	1.50300	.58309	-.00011	2.54528	3.60511	.29332	-.12553
1.550	6.000	.00000	.13757	-.03471	1.51406	.57975	-.00080	2.62733	3.60273	.49562	-.12505
	GRADIENT	.00000	.02026	-.00110	-.00553	.00144	-.00019	.04563	-.00074	.07313	-.00395

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB60) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = 2.000 PHI = .000

RUN NO. 306/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.000	2.00000	497.41368	3.84708	1973.33566	2517.10712	1.09324	110.50754	.00000	6.44201	161.52056
.600	-4.000	2.00000	497.60914	3.85158	1974.91321	2518.95636	1.09327	110.19905	.00000	4.60387	152.96161
.600	-2.000	2.00000	498.31030	3.85646	1976.46674	2521.19003	1.09322	110.20262	.00000	2.97800	133.23535
.600	.000	2.00000	498.09800	3.85128	1975.43105	2519.90747	1.09321	110.60423	.00000	2.21900	89.53878
.600	2.000	2.00000	497.42979	3.84927	1974.08382	2517.92084	1.09328	110.30031	.00000	3.02577	45.19606
.600	4.000	2.00000	495.95146	3.83901	1969.02892	2511.30408	1.09330	110.20132	.00000	4.63422	26.69064
.600	6.000	2.00000	496.76192	3.84440	1972.10245	2515.25571	1.09331	110.29809	.00000	6.45149	18.51782
	GRADIENT	.00000	-.20979	-.00162	-.70758	-.92869	.00001	.00511	.00000	.00542	-17.02906

RUN NO. 469/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.000	2.00000	627.20928	3.88569	1400.33853	2134.46265	1.17043	110.20056	.00000	6.42301	161.65704
.800	-4.000	2.00000	626.76098	3.88291	1399.23547	2132.84909	1.17041	110.19768	.00000	4.67875	154.24178
.800	-2.000	2.00000	626.93416	3.88219	1399.53493	2133.32849	1.17042	110.39763	.00000	3.02092	135.05066
.800	.000	2.00000	627.25617	3.88582	1400.16116	2134.31619	1.17041	110.20340	.00000	2.20666	89.25478
.800	2.000	2.00000	627.13568	3.88424	1399.89333	2133.90396	1.17041	110.29956	.00000	3.01198	45.23643
.800	4.000	2.00000	627.13293	3.88333	1399.92284	2133.93613	1.17041	110.40424	.00000	4.60705	26.64795
.800	6.000	2.00000	626.85899	3.88511	1399.27086	2132.95013	1.17040	110.00280	.00000	6.41390	18.47451
	GRADIENT	.00000	.04727	.00014	.08666	.13748	-.00000	.01575	.00000	-.00762	-17.25009

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R860) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 2.000 PHI = .000

RUN NO. 477/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.000	2.00000	698.89040	3.99917	1232.63141	2084.74274	1.21922	110.09967	.00000	6.41173	161.85054
.900	-4.000	2.00000	698.76817	3.99949	1232.62842	2084.63055	1.21925	110.01108	.00000	4.51986	152.47222
.900	-2.000	2.00000	699.02167	3.99902	1232.87074	2085.14954	1.21923	110.20281	.00000	2.98523	134.53776
.900	.000	2.00000	698.72758	3.99755	1232.59703	2084.55676	1.21927	110.20461	.00000	2.20411	89.69639
.900	2.000	2.00000	698.67111	3.99087	1232.24799	2084.10019	1.21924	110.88100	.00000	3.00978	45.59199
.900	4.000	2.00000	697.98344	3.99054	1231.14447	2082.17593	1.21925	110.49470	.00000	4.58922	26.63939
.900	6.000	2.00000	698.30170	3.99313	1231.62013	2083.02939	1.21923	110.39882	.00000	6.38693	18.43276
	GRADIENT	.00000	-.09600	-.00130	-.17953	-.29793	.00000	.08227	.00000	.00816	-17.03057

RUN NO. 492/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-6.000	2.00000	761.04012	3.88044	898.53239	1918.47531	1.33749	110.49313	.00000	6.23789	160.80255
1.100	-4.000	2.00000	760.64806	3.87485	898.08276	1917.50137	1.33747	110.89984	.00000	4.52929	153.13927
1.100	-2.000	2.00000	760.26810	3.87377	897.61284	1916.51349	1.33747	110.80035	.00000	2.95792	134.49404
1.100	.000	2.00000	759.41261	3.87106	896.62252	1914.38010	1.33748	110.61582	.00000	2.17286	88.39474
1.100	2.000	2.00000	759.60126	3.87397	896.87061	1914.90016	1.33747	110.39953	.00000	2.97760	45.13442
1.100	4.000	2.00000	761.16145	3.87854	898.76147	1918.90523	1.33745	110.78892	.00000	4.55532	26.61736
1.100	6.000	2.00000	760.84828	3.87939	898.28809	1917.96750	1.33748	110.49857	.00000	6.33783	18.44145
	GRADIENT	.00000	.01800	.00038	.03076	.05972	-.00000	-.03113	.00000	.00359	-17.12017

RUN NO. 336/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.000	2.00000	807.50259	3.89444	738.30983	1912.41415	1.42331	110.50760	.00000	6.41334	162.37543
1.250	-4.000	2.00000	807.67122	3.89631	738.59763	1913.01308	1.42327	110.40931	.00000	4.60672	154.13715
1.250	-2.000	2.00000	807.63876	3.89587	738.46684	1912.75555	1.42331	110.42591	.00000	3.07341	137.34380
1.250	.000	2.00000	807.44972	3.89702	738.28954	1912.30701	1.42330	110.19452	.00000	2.17246	89.17560
1.250	2.000	2.00000	807.59946	3.89509	738.43689	1912.67024	1.42330	110.49155	.00000	2.97584	45.15248
1.250	4.000	2.00000	807.51051	3.89543	738.33082	1912.43452	1.42331	110.40291	.00000	4.54847	26.54556
1.250	6.000	2.00000	807.07339	3.89605	737.92735	1911.40649	1.42332	110.09835	.00000	6.33065	18.38509
	GRADIENT	.00000	-.01804	-.00013	-.02818	-.06212	.00000	.00264	.00000	-.01070	-17.36872

RUN NO. 499/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-6.000	2.00000	762.34534	3.55044	555.72327	1768.32814	1.49358	110.19014	.00000	6.30062	161.09766
1.400	-4.000	2.00000	762.38361	3.54895	555.71097	1768.35353	1.49360	110.38374	.00000	4.60211	153.84811
1.400	-2.000	2.00000	760.11458	3.53919	554.06667	1763.10828	1.49359	110.28892	.00000	3.02445	135.68012
1.400	.000	2.00000	761.95400	3.54133	555.41338	1767.38785	1.49359	111.06939	.00000	2.21105	91.03848
1.400	2.000	2.00000	761.67400	3.54312	555.20856	1766.73161	1.49359	110.69376	.00000	2.98341	45.05583
1.400	4.000	2.00000	761.34229	3.54399	554.97582	1765.97826	1.49359	110.40207	.00000	4.56794	26.63995
1.400	6.000	2.00000	761.74957	3.54346	555.24837	1766.88945	1.49360	110.69268	.00000	6.35232	18.38798
	GRADIENT	.00000	-.02616	-.00030	-.01642	-.05636	-.00000	.02207	.00000	-.00547	-17.25203

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R860) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 2.000 PHI = .000

RUN NO. 378/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-6.000	2.00000	757.38655	3.50174	514.64063	1758.05447	1.51367	109.80598	.00000	6.34681	161.57455
1.450	-4.000	2.00000	757.46877	3.50297	514.68148	1758.23868	1.51367	109.70070	.00000	4.53012	152.94028
1.450	-2.000	2.00000	757.17429	3.50235	514.50008	1757.58693	1.51366	109.61164	.00000	2.98816	134.90470
1.450	.000	2.00000	757.50569	3.49922	514.73285	1758.33952	1.51368	110.18368	.00000	2.19151	89.32502
1.450	2.000	2.00000	757.70588	3.49814	514.85123	1758.79175	1.51368	110.42515	.00000	2.98597	45.42163
1.450	4.000	2.00000	757.17657	3.49670	514.48983	1757.56041	1.51368	110.30266	.00000	4.56695	26.60800
1.450	6.000	2.00000	758.54606	3.50218	515.41528	1760.73703	1.51367	110.40510	.00000	6.35373	18.38403
	GRADIENT	.00000	-.00264	-.00084	-.00161	-.00759	.00000	.10087	.00000	.00357	-17.10738

RUN NO. 511/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.000	2.00000	720.08907	3.30165	457.22375	1678.41060	1.53223	110.59475	.00000	6.37630	161.69513
1.500	-4.000	2.00000	718.03428	3.29522	455.89645	1673.60522	1.53224	110.20347	.00000	4.57988	153.44684
1.500	-2.000	2.00000	719.87909	3.29917	457.08549	1677.92299	1.53224	110.79030	.00000	2.94484	133.33354
1.500	.000	2.00000	719.14495	3.29956	456.60394	1676.19761	1.53224	110.30209	.00000	2.21766	91.06559
1.500	2.000	2.00000	718.06170	3.29310	455.92347	1673.68069	1.53223	110.49626	.00000	2.99960	45.53607
1.500	4.000	2.00000	718.81854	3.29816	456.43664	1675.46364	1.53223	110.29469	.00000	4.57542	26.62839
1.500	6.000	2.00000	718.65611	3.29280	456.31911	1675.08020	1.53223	110.89095	.00000	6.36755	18.47212
	GRADIENT	.00000	-.01244	-.00001	-.00408	-.02627	-.00000	-.00558	.00000	.00229	-17.07172

RUN NO. 395/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-6.000	2.00000	688.93359	3.14841	409.57844	1617.45056	1.54941	109.88006	.00000	6.43207	162.12639
1.550	-4.000	2.00000	689.99136	3.15320	410.29720	1619.99847	1.54939	109.89914	.00000	4.56870	153.15996
1.550	-2.000	2.00000	689.41428	3.15273	409.94202	1618.63795	1.54939	109.60558	.00000	2.96085	133.97706
1.550	.000	2.00000	689.96325	3.15087	410.28996	1619.94016	1.54939	110.19750	.00000	2.20339	89.70343
1.550	2.000	2.00000	689.04677	3.14514	409.69011	1617.74757	1.54941	110.39786	.00000	2.99607	45.14918
1.550	4.000	2.00000	690.07119	3.15202	410.33041	1620.17415	1.54939	110.10450	.00000	4.58355	26.80128
1.550	6.000	2.00000	689.16578	3.14489	409.82815	1618.08185	1.54939	110.51556	.00000	6.37434	18.33428
	GRADIENT	.00000	-.01039	-.00050	-.00928	-.02695	.00000	.06015	.00000	.00325	-17.07726

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB60) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 2.000 PHI = .000

RUN NO. 306/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	2.00000	-.05288	.01605	1.04652	.17048	-.01108	1.17216	1.26159	-.06672	.02025
.600	-4.000	2.00000	-.03642	.01627	1.04857	.17218	-.00695	1.18493	1.26667	-.04613	.02061
.600	-2.000	2.00000	-.01898	.01600	1.04903	.17258	-.00615	1.19654	1.26783	-.02406	.02105
.600	.000	2.00000	-.00145	.01646	1.04874	.17292	-.00603	1.20816	1.26801	-.00183	.02087
.600	2.000	2.00000	.01601	.01509	1.04803	.17322	-.00622	1.21966	1.26760	.02029	.01913
.600	4.000	2.00000	.03263	.01436	1.04678	.17316	-.00740	1.23007	1.26600	.04130	.01818
.600	6.000	2.00000	.04932	.01433	1.04437	.17180	-.01140	1.23854	1.26102	.06219	.01807
	GRADIENT	.00000	.00865	-.00027	-.00023	.00013	-.00005	.00567	-.00008	.01096	-.00034

RUN NO. 469/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.800	-6.000	2.00000	-.07327	.02286	1.08277	.28556	-.00573	1.34418	1.51555	-.11104	.03464
.800	-4.000	2.00000	-.04967	.02326	1.08464	.28757	-.00119	1.36584	1.52246	-.07562	.03541
.800	-2.000	2.00000	-.02571	.02294	1.08483	.28829	-.00002	1.38547	1.52427	-.03920	.03496
.800	.000	2.00000	-.00151	.02185	1.08438	.28860	-.00002	1.40453	1.52430	-.00231	.03331
.800	2.000	2.00000	.02230	.02005	1.08346	.28873	-.00069	1.42293	1.52328	.03396	.03054
.800	4.000	2.00000	.04546	.01904	1.08186	.28841	-.00261	1.43987	1.52035	.06912	.02894
.800	6.000	2.00000	.06827	.01860	1.07882	.28727	-.00706	1.45473	1.51364	.10334	.02815
	GRADIENT	.00000	.01191	-.00057	-.00035	.00011	-.00018	.00928	-.00026	.01813	-.00087

RUN NO. 477/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	2.00000	-.07967	.02552	1.09359	.34969	-.00573	1.47074	1.68165	-.13398	.04292
.900	-4.000	2.00000	-.05428	.02502	1.09531	.35124	-.00170	1.49557	1.68831	-.09165	.04224
.900	-2.000	2.00000	-.02804	.02443	1.09536	.35185	-.00077	1.51916	1.68998	-.04739	.04129
.900	.000	2.00000	-.00144	.02333	1.09499	.35264	.00017	1.54351	1.69145	-.00243	.03947
.900	2.000	2.00000	.02399	.02158	1.09398	.35238	-.00122	1.56437	1.68923	.04052	.03645
.900	4.000	2.00000	.04944	.02067	1.09225	.35237	-.00280	1.58578	1.68653	.08338	.03486
.900	6.000	2.00000	.07453	.02037	1.08909	.35090	-.00801	1.60311	1.67783	.12505	.03418
	GRADIENT	.00000	.01297	-.00058	-.00038	.00014	-.00013	.01128	-.00022	.02190	-.00098

RUN NO. 492/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.100	-6.000	2.00000	-.08507	.02651	1.10339	.47965	-.00582	1.83159	2.12047	-.18040	.05621
1.100	-4.000	2.00000	-.05803	.02607	1.10525	.48083	-.00184	1.86438	2.12888	-.12353	.05551
1.100	-2.000	2.00000	-.03011	.02616	1.10545	.48136	-.00065	1.89602	2.13143	-.06417	.05577
1.100	.000	2.00000	-.00199	.02441	1.10490	.48182	-.00025	1.92771	2.13228	-.00424	.05205
1.100	2.000	2.00000	.02509	.02298	1.10409	.48196	-.00070	1.95709	2.13127	.05348	.04897
1.100	4.000	2.00000	.05192	.02197	1.10244	.48182	-.00243	1.98505	2.12751	.11045	.04674
1.100	6.000	2.00000	.07950	.02200	1.09901	.48067	-.00787	2.00968	2.11619	.16822	.04656
	GRADIENT	.00000	.01375	-.00057	-.00035	.00013	-.00006	.01512	-.00014	.02928	-.00122

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB60) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = 2.000 PHI = .000

RUN NO. 336/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.250	-6.000	2.00000	-.09897	.02985	1.10354	.55848	-.02291	2.14124	2.49944	-.24738	.07461
1.250	-4.000	2.00000	-.06811	.03084	1.10776	.55942	-.01673	2.18410	2.51430	-.17122	.07753
1.250	-2.000	2.00000	-.03575	.03145	1.10779	.55991	-.01568	2.22725	2.51717	-.08999	.07919
1.250	.000	2.00000	-.00278	.02863	1.10652	.56008	-.01645	2.26963	2.51526	-.00699	.07201
1.250	2.000	2.00000	.02833	.02481	1.10556	.56063	-.01604	2.31163	2.51624	.07130	.06244
1.250	4.000	2.00000	.05848	.02302	1.10318	.56065	-.01822	2.34948	2.51092	.14683	.05780
1.250	6.000	2.00000	.08856	.02280	1.09822	.55970	-.02502	2.38165	2.49427	.22090	.05688
	GRADIENT	.00000	.01586	-.00111	-.00057	.00016	-.00017	.02076	-.00038	.03987	-.00281

RUN NO. 499/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.400	-6.000	2.00000	-.11051	.03109	1.15828	.61892	-.00310	2.[illegible]20	3.03948	-.33587	.09452
1.400	-4.000	2.00000	-.07409	.03101	1.15916	.61940	-.00115	2.51458	3.04557	-.22564	.09443
1.400	-2.000	2.00000	-.03894	.02981	1.15868	.61970	-.00074	2.57020	3.04678	-.11863	.09082
1.400	.000	2.00000	-.00517	.02959	1.15748	.61973	-.00170	2.62185	3.04384	-.01572	.09008
1.400	2.000	2.00000	.02900	.02917	1.15780	.61991	-.00094	2.67514	3.04614	.08834	.08885
1.400	4.000	2.00000	.06350	.02937	1.15627	.61976	-.00267	2.72643	3.04087	.19308	.08930
1.400	6.000	2.00000	.09895	.02996	1.15335	.61972	-.00533	2.77970	3.03291	.30011	.09084
	GRADIENT	.00000	.01716	-.00020	-.00033	.00005	-.00016	.02643	-.00050	.05222	-.00061

RUN NO. 378/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.450	-6.000	2.00000	-.11986	.02827	1.17669	.63263	-.00769	2.53010	3.20302	-.38392	.09053
1.450	-4.000	2.00000	-.08339	.02825	1.18032	.63260	-.00469	2.58787	3.21262	-.26789	.09077
1.450	-2.000	2.00000	-.04741	.02840	1.18484	.63208	-.00224	2.64167	3.22040	-.15266	.09147
1.450	.000	2.00000	-.01211	.03085	1.18537	.63181	-.00254	2.69649	3.21944	-.03898	.09932
1.450	2.000	2.00000	.02677	.03622	1.18509	.63184	-.00271	2.75929	3.21896	.08616	.11658
1.450	4.000	2.00000	.06590	.03717	1.18017	.63241	-.00533	2.82621	3.21058	.21156	.11935
1.450	6.000	2.00000	.10360	.03817	1.17430	.63261	-.00980	2.88750	3.19636	.33114	.12200
	GRADIENT	.00000	.01864	.00128	-.00000	-.00003	-.00009	.02971	-.00028	.05989	.00411

RUN NO. 511/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.500	-6.000	2.00000	-.12957	.03356	1.22200	.63971	-.00632	2.55581	3.39169	-.43946	.11382
1.500	-4.000	2.00000	-.09100	.03259	1.23562	.63674	-.00346	2.59811	3.40149	-.30952	.11084
1.500	-2.000	2.00000	-.05065	.03349	1.24372	.63474	-.00239	2.65154	3.40504	-.17248	.11404
1.500	.000	2.00000	-.00969	.03625	1.25094	.63246	-.00286	2.70429	3.40352	-.03298	.12340
1.500	2.000	2.00000	.03280	.03725	1.24363	.63459	-.00289	2.79247	3.40339	.11162	.12680
1.500	4.000	2.00000	.07312	.03660	1.22906	.63789	-.00555	2.88571	3.39418	.24818	.12422
1.500	6.000	2.00000	.11383	.03510	1.21771	.64018	-.00853	2.97178	3.38424	.38521	.11877
	GRADIENT	.00000	.02058	.00059	-.00066	.00011	-.00023	.03581	-.00081	.06997	.00198

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB60) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 2.000 PHI = .000

RUN NO. 395/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.550	-6.000	2.00000	-.14899	.04277	1.51873	.57945	.00141	2.10879	3.61129	-.53807	.15446
1.550	-4.000	2.00000	-.08945	.03990	1.54063	.57304	.00076	2.18074	3.60835	-.32276	.14399
1.550	-2.000	2.00000	-.03396	.03123	1.49435	.58651	.00231	2.35707	3.61401	-.12273	.11307
1.550	.000	2.00000	.00537	.01748	1.39165	.61483	.00210	2.60599	3.61312	.01940	.06314
1.550	2.000	2.00000	.03841	.01142	1.41420	.60877	.00244	2.62545	3.61472	.13885	.04126
1.550	4.000	2.00000	.09420	.01083	1.53048	.57547	-.00015	2.52536	3.60515	.33958	.03906
1.550	6.000	2.00000	.14259	.01942	1.50138	.58372	.00033	2.65934	3.60663	.51425	.07005
	GRADIENT	.00000	.02198	-.00390	-.00502	.00136	-.00008	.04788	-.00028	.07931	-.01408

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB61) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 4.000 PHI = .000

RUN NO. 307/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.000	4.00000	497.49630	3.84588	1975.33542	2519.31244	1.09333	110.80416	.00000	7.34545	146.54101
.600	-4.000	4.00000	496.23436	3.83844	1969.65390	2512.20914	1.09330	110.50034	.00000	5.79379	134.87554
.600	-2.000	4.00000	497.44346	3.84908	1973.43942	2517.24005	1.09324	110.30069	.00000	4.62591	116.06506
.600	.000	4.00000	497.38713	3.85075	1974.05240	2517.85291	1.09327	110.09560	.00000	4.18169	89.81988
.600	2.000	4.00000	496.62817	3.84346	1971.86469	2514.88998	1.09332	110.30112	.00000	4.63865	63.61724
.600	4.000	4.00000	496.76205	3.84429	1971.84978	2514.98495	1.09330	110.29934	.00000	5.79658	45.12231
.600	6.000	4.00000	496.70538	3.84538	1971.27614	2514.32730	1.09327	110.10327	.00000	7.32085	33.83935
	GRADIENT	.00000	.01200	.00030	.14085	.16008	.00000	-.02008	.00000	.00092	-11.59771

RUN NO. 470/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.000	4.00000	627.02483	3.88446	1399.75119	2133.63577	1.17041	110.20016	.00000	7.32273	146.61972
.800	-4.000	4.00000	627.12809	3.88421	1399.89050	2133.89273	1.17039	110.29912	.00000	5.76720	135.00016
.800	-2.000	4.00000	627.03011	3.88444	1399.62659	2133.50381	1.17040	110.19965	.00000	4.58827	115.90710
.800	.000	4.00000	626.98502	3.88241	1399.59377	2133.44141	1.17042	110.40486	.00000	4.16101	89.95684
.800	2.000	4.00000	627.09100	3.88230	1399.87274	2133.85251	1.17042	110.49436	.00000	4.61245	63.61018
.800	4.000	4.00000	627.18659	3.88193	1399.98633	2134.05713	1.17040	110.59883	.00000	5.76089	45.09283
.800	6.000	4.00000	627.05211	3.88197	1399.67963	2133.58340	1.17040	110.49760	.00000	7.27545	33.78617
	GRADIENT	.00000	.00890	-.00033	.02189	.03387	.00000	.04471	.00000	.00058	-11.60558

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R861) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = 4.000 PHI = .000

RUN NO. 478/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.000	4.00000	698.55822	3.99906	1232.19385	2083.92484	1.21925	109.91905	.00000	7.34103	147.13538
.900	-4.000	4.00000	699.09669	3.99867	1233.06628	2085.44461	1.21924	110.29550	.00000	5.74331	135.09906
.900	-2.000	4.00000	699.18993	4.00181	1233.24409	2085.73392	1.21923	110.00724	.00000	4.56561	115.93641
.900	.000	4.00000	698.92170	3.99863	1233.02452	2085.22839	1.21927	110.21615	.00000	4.13684	89.77271
.900	2.000	4.00000	699.26286	3.99853	1233.29347	2085.85812	1.21922	110.40801	.00000	4.58975	63.56697
.900	4.000	4.00000	699.11593	3.99685	1233.01280	2085.39929	1.21923	110.49971	.00000	5.73566	45.07157
.900	6.000	4.00000	698.69413	3.99447	1232.29048	2084.16864	1.21924	110.49748	.00000	7.24258	33.77700
	GRADIENT	.00000	.00557	-.00035	-.00288	.00168	-.00000	.04046	.00000	.00044	-11.62122

RUN NO. 493/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-6.000	4.00000	760.11248	3.87402	897.51972	1916.25584	1.33745	110.69544	.00000	7.23152	146.76333
1.100	-4.000	4.00000	760.20976	3.87349	897.52827	1916.35092	1.33748	110.79575	.00000	5.64432	134.38481
1.100	-2.000	4.00000	759.33806	3.87171	896.51464	1914.16824	1.33748	110.49679	.00000	4.52794	115.91859
1.100	.000	4.00000	759.50563	3.87254	896.71095	1914.59133	1.33748	110.49960	.00000	4.10062	90.05484
1.100	2.000	4.00000	759.63578	3.87593	896.89451	1914.95496	1.33748	110.19576	.00000	4.55221	63.53757
1.100	4.000	4.00000	759.98278	3.87514	897.41549	1916.00414	1.33744	110.50149	.00000	5.68871	45.02010
1.100	6.000	4.00000	760.23024	3.87453	897.62019	1916.49487	1.33747	110.70038	.00000	7.18078	33.67159
	GRADIENT	.00000	-.00781	.00038	.00772	.00466	-.00000	-.04448	.00000	.00565	-11.55552

RUN NO. 337/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.000	4.00000	808.54850	3.90148	739.36269	1914.98628	1.42330	110.29873	.00000	7.16985	146.30099
1.250	-4.000	4.00000	808.37022	3.89964	739.15239	1914.50793	1.42330	110.40123	.00000	5.69263	135.16269
1.250	-2.000	4.00000	808.32542	3.89852	739.05026	1914.33932	1.42332	110.49265	.00000	4.52569	116.00660
1.250	.000	4.00000	807.90821	3.89916	738.67216	1913.34976	1.42331	110.19812	.00000	4.09714	89.84554
1.250	2.000	4.00000	807.52553	3.89716	738.32406	1912.45709	1.42332	110.21628	.00000	4.54481	63.51696
1.250	4.000	4.00000	807.58017	3.89667	738.40073	1912.60538	1.42330	110.30389	.00000	5.68369	45.03848
1.250	6.000	4.00000	808.12923	3.89871	739.10436	1914.12730	1.42326	110.39971	.00000	7.17509	33.68774
	GRADIENT	.00000	-.11900	-.00037	-.11148	-.28437	-.00000	-.02355	.00000	.00006	-11.63690

RUN NO. 500/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-6.000	4.00000	762.09177	3.54822	555.58505	1767.80142	1.49357	110.32439	.00000	7.24744	146.67272
1.400	-4.000	4.00000	762.37833	3.54880	555.74268	1768.39061	1.49358	110.40665	.00000	5.71025	135.10308
1.400	-2.000	4.00000	763.03112	3.55093	556.20974	1769.89581	1.49358	110.51348	.00000	4.53974	115.90109
1.400	.000	4.00000	762.48044	3.54848	555.79909	1768.60046	1.49358	110.49802	.00000	4.10679	89.71972
1.400	2.000	4.00000	762.10232	3.54835	555.49712	1767.68916	1.49360	110.29747	.00000	4.56756	63.43430
1.400	4.000	4.00000	761.38667	3.54333	555.03202	1766.11505	1.49357	110.51215	.00000	5.70517	45.02175
1.400	6.000	4.00000	760.84187	3.54105	554.64134	1764.85745	1.49357	110.48105	.00000	7.20104	33.69186
	GRADIENT	.00000	-.14561	-.00068	-.10670	-.33789	-.00000	-.00025	.00000	.00088	-11.63147

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4R861) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 4.000 PHI = .000

RUN NO. 377/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-6.000	4.00000	756.97077	3.49185	514.38505	1757.10976	1.51367	110.78415	.00000	7.21053	146.41863
1.450	-4.000	4.00000	757.29383	3.49485	514.57163	1757.83220	1.51368	110.59579	.00000	5.70517	135.00441
1.450	-2.000	4.00000	759.60960	3.50302	516.14604	1763.22372	1.51367	110.90415	.00000	4.54486	115.87506
1.450	.000	4.00000	757.97136	3.49632	515.03741	1759.40971	1.51368	110.79918	.00000	4.11494	89.79055
1.450	2.000	4.00000	756.70983	3.49056	514.15807	1756.46896	1.51368	110.78888	.00000	4.56574	63.55448
1.450	4.000	4.00000	756.81149	3.49102	514.23930	1756.70998	1.51368	110.79147	.00000	5.70474	45.02133
1.450	6.000	4.00000	757.43050	3.50035	514.67222	1758.18285	1.51367	110.00252	.00000	7.20134	33.69027
	GRADIENT	.00000	-.19322	-.00101	-.13263	-.44996	.00000	.01380	.00000	.00100	-11.61434

RUN NO. 512/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.000	4.00000	719.18353	3.30508	456.63354	1676.29172	1.53223	109.61280	.00000	7.30878	147.09943
1.500	-4.000	4.00000	719.04053	3.30448	456.55706	1675.96750	1.53223	109.60744	.00000	5.67372	134.30736
1.500	-2.000	4.00000	718.50006	3.29974	456.20658	1674.70248	1.53223	109.89658	.00000	4.55346	116.01030
1.500	.000	4.00000	719.45261	3.30096	456.80525	1676.91783	1.53223	110.30429	.00000	4.12749	89.80208
1.500	2.000	4.00000	718.50315	3.29513	456.22663	1674.72266	1.53223	110.49805	.00000	4.57490	63.54714
1.500	4.000	4.00000	718.00326	3.29740	455.88188	1673.53824	1.53224	109.90265	.00000	5.71675	45.02813
1.500	6.000	4.00000	719.36613	3.30363	456.75307	1676.71863	1.53224	109.90824	.00000	7.21872	33.73435
	GRADIENT	.00000	-.10357	-.00094	-.06652	-.24192	.00000	.05959	.00000	.00538	-11.55108

RUN NO. 394/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-6.000	4.00000	690.93792	3.15611	410.87605	1622.23390	1.54938	110.09306	.00000	7.24434	146.44276
1.550	-4.000	4.00000	689.90907	3.15200	410.22736	1619.78917	1.54940	110.00699	.00000	5.68285	134.26531
1.550	-2.000	4.00000	688.69076	3.14489	409.50206	1616.93317	1.54940	110.21592	.00000	4.55649	115.86672
1.550	.000	4.00000	689.14413	3.14707	409.76828	1617.99104	1.54940	110.20034	.00000	4.13249	90.38379
1.550	2.000	4.00000	689.29175	3.14774	409.87268	1618.35052	1.54939	110.20352	.00000	4.58453	63.54560
1.550	4.000	4.00000	689.49464	3.15156	409.97231	1618.81134	1.54940	109.81044	.00000	5.72622	45.01770
1.550	6.000	4.00000	690.03190	3.15266	410.31201	1620.08542	1.54939	109.99592	.00000	7.22907	33.79633
	GRADIENT	.00000	-.01139	.00010	-.00697	-.02691	.00000	-.02028	.00000	.00574	-11.54082

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4R861) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 4.000 PHI = .000

RUN NO. 307/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	4.00000	-.05325	.03419	1.04877	.16592	-.01429	1.16545	1.25739	-.06694	.04298
.600	-4.000	4.00000	-.03606	.03411	1.05159	.16727	-.01000	1.17810	1.26282	-.04554	.04307
.600	-2.000	4.00000	-.01850	.03403	1.05277	.16781	-.00831	1.18995	1.26507	-.02340	.04309
.600	.000	4.00000	-.00075	.03334	1.05288	.16835	-.00747	1.20195	1.26600	-.00095	.04220
.600	2.000	4.00000	.01601	.03329	1.05217	.16856	-.00781	1.21285	1.26548	.02026	.04212
.600	4.000	4.00000	.03285	.03261	1.05006	.16789	-.01070	1.22250	1.26193	.04145	.04115
.600	6.000	4.00000	.04949	.03245	1.04668	.16652	-.01567	1.23087	1.25580	.06215	.04074
	GRADIENT	.00000	.00862	-.00019	-.00018	.00010	-.00004	.00558	-.00007	.01088	-.00024

RUN NO. 470/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.800	-6.000	4.00000	-.07346	.04828	1.08633	.27996	-.01032	1.33341	1.50872	-.11082	.07284
.800	-4.000	4.00000	-.04938	.04742	1.08961	.28158	-.00504	1.35450	1.51667	-.07489	.07192
.800	-2.000	4.00000	-.02508	.04669	1.09075	.28251	-.00271	1.37467	1.52022	-.03813	.07097
.800	.000	4.00000	-.00052	.04556	1.09061	.28317	-.00190	1.39463	1.52143	-.00079	.06931
.800	2.000	4.00000	.02284	.04423	1.08918	.28360	-.00260	1.41324	1.52036	.03473	.06725
.800	4.000	4.00000	.04648	.04404	1.08686	.28298	-.00562	1.42990	1.51581	.07046	.06675
.800	6.000	4.00000	.06988	.04402	1.08246	.28183	-.01134	1.44509	1.50725	.10532	.06635
	GRADIENT	.00000	.01198	-.00046	-.00035	.00020	-.00005	.00947	-.00008	.01818	-.00070

RUN NO. 478/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	4.00000	-.07998	.05215	1.09747	.34450	-.01014	1.45859	1.67424	-.13389	.08731
.900	-4.000	4.00000	-.05335	.05126	1.10083	.34579	-.00510	1.48367	1.68267	-.08977	.08626
.900	-2.000	4.00000	-.02726	.05032	1.10197	.34656	-.00287	1.50736	1.68640	-.04598	.08486
.900	.000	4.00000	-.00088	.04906	1.10178	.34739	-.00169	1.53156	1.68827	-.00149	.08282
.900	2.000	4.00000	.02505	.04800	1.10023	.34733	-.00329	1.55328	1.68573	.04223	.08092
.900	4.000	4.00000	.05063	.04755	1.09773	.34698	-.00613	1.57390	1.68100	.08511	.07993
.900	6.000	4.00000	.07585	.04750	1.09308	.34630	-.01145	1.59318	1.67215	.12683	.07942
	GRADIENT	.00000	.01301	-.00049	-.00040	.00016	-.00012	.01132	-.00020	.02190	-.00083

RUN NO. 493/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.100	-6.000	4.00000	-.08601	.05564	1.10770	.47528	-.01025	1.81501	2.11105	-.18155	.11747
1.100	-4.000	4.00000	-.05754	.05475	1.11134	.47607	-.00552	1.84761	2.12114	-.12206	.11612
1.100	-2.000	4.00000	-.02939	.05346	1.11238	.47696	-.00285	1.88066	2.12677	-.06250	.11369
1.100	.000	4.00000	-.00111	.05246	1.11231	.47736	-.00215	1.91218	2.12825	-.00236	.11166
1.100	2.000	4.00000	.02607	.05106	1.11057	.47759	-.00325	1.94193	2.12588	.05542	.10855
1.100	4.000	4.00000	.05360	.05071	1.10803	.47749	-.00567	1.97067	2.12060	.11366	.10753
1.100	6.000	4.00000	.08098	.05107	1.10336	.47662	-.01168	1.99602	2.10814	.17072	.10767
	GRADIENT	.00000	.01389	-.00052	-.00042	.00017	-.00003	.01537	-.00010	.02947	-.00112

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB61) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 4.000 PHI = .000

RUN NO. 337/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.250	-6.000	4.00000	-.09952	.06275	1.10791	.55415	-.02879	2.11926	2.48495	-.24729	.15592
1.250	-4.000	4.00000	-.06696	.06309	1.11290	.55492	-.02244	2.16310	2.50047	-.16742	.15775
1.250	-2.000	4.00000	-.03445	.06240	1.11506	.55589	-.01830	2.20845	2.51080	-.08650	.15666
1.250	.000	4.00000	-.00138	.06034	1.11447	.55628	-.01793	2.25196	2.51167	-.00347	.15156
1.250	2.000	4.00000	.02940	.05768	1.11201	.55666	-.01933	2.29246	2.50824	.07375	.14467
1.250	4.000	4.00000	.05944	.05599	1.10802	.55641	-.02355	2.32856	2.49784	.14848	.13985
1.250	6.000	4.00000	.09047	.05557	1.10201	.55577	-.03042	2.36329	2.48072	.22440	.13785
	GRADIENT	.00000	.01583	-.00095	-.00064	.00019	-.00016	.02075	-.00039	.03960	-.00239

RUN NO. 500/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.400	-6.000	4.00000	-.11159	.06851	1.16448	.61561	-.00636	2.43255	3.02946	-.33802	.20755
1.400	-4.000	4.00000	-.07487	.06761	1.16768	.61555	-.00384	2.48740	3.03725	-.22737	.20534
1.400	-2.000	4.00000	-.03917	.06593	1.16821	.61606	-.00206	2.54499	3.04269	-.11917	.20060
1.400	.000	4.00000	-.00395	.06547	1.16846	.61661	-.00041	2.60233	3.04773	-.01202	.19953
1.400	2.000	4.00000	.03047	.06458	1.16634	.61643	-.00274	2.65344	3.04078	.09264	.19635
1.400	4.000	4.00000	.06519	.06557	1.16395	.61623	-.00526	2.70455	3.03290	.19769	.19885
1.400	6.000	4.00000	.10094	.06732	1.15968	.61631	-.00873	2.75883	3.02245	.30509	.20344
	GRADIENT	.00000	.01749	-.00027	-.00047	.00009	-.00018	.02714	-.00053	.05310	-.00086

RUN NO. 377/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.450	-6.000	4.00000	-.12072	.06875	1.18265	.62913	-.01213	2.50388	3.18883	-.38495	.21922
1.450	-4.000	4.00000	-.08515	.06885	1.18858	.62935	-.00652	2.56145	3.20678	-.27307	.22078
1.450	-2.000	4.00000	-.04771	.06945	1.19088	.62883	-.00600	2.61763	3.20841	-.15306	.22284
1.450	.000	4.00000	-.01069	.07148	1.19293	.62890	-.00407	2.67749	3.21457	-.03436	.22977
1.450	2.000	4.00000	.02669	.07343	1.19210	.62867	-.00543	2.73584	3.21032	.08569	.23574
1.450	4.000	4.00000	.06541	.07530	1.18769	.62911	-.00795	2.80091	3.20223	.20946	.24111
1.450	6.000	4.00000	.10262	.07623	1.18045	.62898	-.01446	2.85852	3.18162	.32652	.24252
	GRADIENT	.00000	.01878	.00084	-.00003	-.00003	-.00012	.02986	-.00036	.06019	.00268

RUN NO. 512/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.500	-6.000	4.00000	-.12990	.07666	1.22482	.63779	-.00938	2.54118	3.38148	-.43924	.25922
1.500	-4.000	4.00000	-.09101	.07685	1.24237	.63389	-.00581	2.57701	3.39342	-.30880	.26077
1.500	-2.000	4.00000	-.05024	.07517	1.23901	.63535	-.00453	2.65699	3.39779	-.17071	.25540
1.500	.000	4.00000	-.00917	.07663	1.24870	.63315	-.00275	2.71032	3.40386	-.03121	.26082
1.500	2.000	4.00000	.03256	.07765	1.24686	.63310	-.00433	2.78085	3.39835	.11063	.26390
1.500	4.000	4.00000	.07384	.07824	1.23267	.63628	-.00715	2.87445	3.38902	.25023	.26516
1.500	6.000	4.00000	.11359	.07770	1.21785	.63885	-.01219	2.96042	3.37211	.38302	.26203
	GRADIENT	.00000	.02062	.00026	-.00058	.00013	-.00012	.03594	-.00041	.06997	.00086

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB61) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 4.000 PHI = .000

RUN NO. 394/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.550	-6.000	4.00000	-.14986	.09298	1.49572	.58508	-.00018	2.13999	3.60482	-.54019	.33518
1.550	-4.000	4.00000	-.09197	.08561	1.54768	.57065	-.00028	2.16334	3.60471	-.33152	.30861
1.550	-2.000	4.00000	-.03680	.07943	1.55364	.56959	.00108	2.25692	3.60964	-.13284	.28690
1.550	.000	4.00000	.01122	.07051	1.55197	.57001	.00099	2.34591	3.60936	.04050	.25451
1.550	2.000	4.00000	.05547	.06387	1.54423	.57186	.00033	2.43572	3.60685	.20006	.23036
1.550	4.000	4.00000	.09983	.06741	1.53565	.57379	-.00078	2.52607	3.60300	.35968	.24288
1.550	6.000	4.00000	.14821	.07543	1.49469	.58535	-.00025	2.67882	3.60473	.53427	.27189
	GRADIENT	.00000	.02379	-.00260	-.00167	.00043	-.00009	.04521	-.00031	.08576	-.00940

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB64) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 6.000 PHI = .000

RUN NO. 308/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.600	-6.000	6.00000	496.82777	3.84504	1972.82375	2516.08020	1.09334	110.30509	.00000	8.55826	134.81212
.600	-4.000	6.00000	497.21195	3.84711	1974.10405	2517.76486	1.09333	110.39946	.00000	7.32042	123.61253
.600	-2.000	6.00000	497.71214	3.85385	1974.67998	2518.78671	1.09325	109.99557	.00000	6.46090	108.51633
.600	.000	6.00000	497.20016	3.84834	1973.12898	2516.71185	1.09326	110.19939	.00000	6.13761	90.01195
.600	2.000	6.00000	497.06064	3.84729	1972.68788	2516.12177	1.09328	110.20282	.00000	6.45394	71.65096
.600	4.000	6.00000	496.47728	3.84152	1971.43915	2514.31775	1.09335	110.39983	.00000	7.31931	56.44166
.600	6.000	6.00000	496.97770	3.84368	1973.24300	2516.65179	1.09333	110.59134	.00000	8.56491	45.13960
	GRADIENT	.00000	-.10604	-.00089	-.36609	-.47796	.00000	.01040	.00000	-.00046	-8.56036

RUN NO. 471/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.800	-6.000	6.00000	627.39043	3.88424	1400.78021	2135.12415	1.17044	110.49751	.00000	8.50436	134.85924
.800	-4.000	6.00000	627.13646	3.88253	1399.89389	2133.90515	1.17041	110.49607	.00000	7.25746	123.38425
.800	-2.000	6.00000	627.10514	3.88236	1399.82993	2133.80368	1.17041	110.49398	.00000	6.40789	108.23472
.800	.000	6.00000	627.12572	3.88160	1399.94188	2133.95801	1.17042	110.59941	.00000	6.09882	90.00992
.800	2.000	6.00000	626.97717	3.88150	1399.52007	2133.33658	1.17040	110.49845	.00000	6.41096	71.67710
.800	4.000	6.00000	626.70809	3.87729	1398.97823	2132.49921	1.17042	110.79569	.00000	7.27343	56.46540
.800	6.000	6.00000	626.55764	3.87902	1398.67503	2132.02313	1.17041	110.49238	.00000	8.50630	45.11005
	GRADIENT	.00000	-.04924	-.00057	-.10706	-.16395	.00000	.03019	.00000	.00175	-8.51977

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB64) (08 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 6.000 PHI = .000

RUN NO. 479/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
.900	-6.000	6.00000	697.46140	3.99876	1230.24788	2080.66486	1.21927	109.25301	.00000	8.45159	134.77251
.900	-4.000	6.00000	698.96800	3.99167	1232.87767	2085.09781	1.21924	110.99160	.00000	7.22453	123.55260
.900	-2.000	6.00000	698.84946	3.99545	1232.55623	2084.61783	1.21923	110.48519	.00000	6.36550	108.12111
.900	.000	6.00000	698.69970	3.99263	1232.32031	2084.21301	1.21923	110.70576	.00000	6.06797	90.10204
.900	2.000	6.00000	698.26154	3.99008	1231.53525	2082.89215	1.21924	110.71130	.00000	6.37727	71.64633
.900	4.000	6.00000	698.10698	3.99293	1231.24989	2082.40622	1.21923	110.29570	.00000	7.23460	56.45238
.900	6.000	6.00000	698.39510	3.99195	1231.79543	2083.31308	1.21924	110.59140	.00000	8.46971	45.09096
	GRADIENT	.00000	-.11550	-.00014	-.21383	-.35544	-.00000	-.05828	.00000	.00160	-8.53376

RUN NO. 494/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.100	-6.000	6.00000	759.19320	3.86831	896.34978	1913.82210	1.33747	110.79941	.00000	8.37874	134.89518
1.100	-4.000	6.00000	758.90147	3.86777	896.06112	1913.16841	1.33746	110.70067	.00000	7.15643	123.50988
1.100	-2.000	6.00000	759.28014	3.86890	896.45893	1914.04103	1.33748	110.78364	.00000	6.30735	108.08784
1.100	.000	6.00000	759.79681	3.87310	897.07803	1915.35391	1.33748	110.60712	.00000	6.01764	90.12206
1.100	2.000	6.00000	760.50634	3.87504	897.95721	1917.20749	1.33746	110.80301	.00000	6.32177	71.58987
1.100	4.000	6.00000	760.91047	3.87977	898.44672	1918.24011	1.33745	110.50243	.00000	7.17202	56.41650
1.100	6.000	6.00000	760.57672	3.87816	898.10284	1917.47539	1.33745	110.49975	.00000	8.39292	45.02210
	GRADIENT	.00000	.26221	.00151	.31348	.66549	-.00000	-.01885	.00000	.00228	-8.53424

RUN NO. 338/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.250	-6.000	6.00000	808.17896	3.89955	738.91659	1914.00174	1.42332	110.29969	.00000	8.38323	134.96823
1.250	-4.000	6.00000	808.40098	3.90063	739.12450	1914.52104	1.42331	110.29980	.00000	7.16273	123.65152
1.250	-2.000	6.00000	807.02338	3.89496	737.90889	1911.30894	1.42331	110.19730	.00000	6.32142	108.58271
1.250	.000	6.00000	807.11159	3.89534	737.97714	1911.50456	1.42331	110.20100	.00000	6.00747	90.10088
1.250	2.000	6.00000	808.56931	3.90244	739.34644	1915.03804	1.42329	110.19892	.00000	6.31577	71.57098
1.250	4.000	6.00000	808.18793	3.90060	739.01332	1914.10553	1.42329	110.19994	.00000	7.16354	56.33638
1.250	6.000	6.00000	808.21961	3.90167	738.99580	1914.13202	1.42330	110.09125	.00000	8.38220	44.99793
	GRADIENT	.00000	.05599	.00037	.06076	.14490	-.00000	-.00990	.00000	-.00020	-8.58210

RUN NO. 501/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.400	-6.000	6.00000	760.94048	3.54103	554.73282	1765.11935	1.49356	110.54401	.00000	8.38618	134.66621
1.400	-4.000	6.00000	760.54726	3.54356	554.44314	1764.20619	1.49357	110.01484	.00000	7.18451	123.56791
1.400	-2.000	6.00000	761.44921	3.54458	555.07393	1766.25471	1.49358	110.39478	.00000	6.33269	108.23749
1.400	.000	6.00000	761.86250	3.54572	555.40657	1767.24731	1.49357	110.49481	.00000	6.03053	89.98216
1.400	2.000	6.00000	762.65385	3.55074	555.91937	1769.00168	1.49359	110.32285	.00000	6.34160	71.57532
1.400	4.000	6.00000	761.64209	3.54450	555.21237	1766.69960	1.49358	110.51363	.00000	7.19159	56.38816
1.400	6.000	6.00000	760.77534	3.54041	554.59428	1764.70403	1.49357	110.52389	.00000	8.41783	45.01395
	GRADIENT	.00000	.16971	.00040	.11920	.38669	.00000	.04628	.00000	.00115	-8.55108

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (A4RB64) (08 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = 6.000 PHI = .000

RUN NO. 376/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.450	-6.000	6.00000	758.03786	3.50531	515.09789	1759.57436	1.51367	109.74063	.00000	8.39836	134.75909
1.450	-4.000	6.00000	758.52379	3.50376	515.42654	1760.70567	1.51367	110.20216	.00000	7.19092	123.58978
1.450	-2.000	6.00000	757.92253	3.50072	515.00849	1759.29927	1.51367	110.23415	.00000	6.33144	108.14439
1.450	.000	6.00000	756.45889	3.49268	514.01469	1755.90240	1.51366	110.39017	.00000	6.03664	90.03570
1.450	2.000	6.00000	758.02859	3.49418	515.08595	1759.55023	1.51366	111.09609	.00000	6.34166	71.62216
1.450	4.000	6.00000	757.00128	3.49115	514.43170	1757.19977	1.51366	110.89110	.00000	7.19767	56.38353
1.450	6.000	6.00000	756.89532	3.48876	514.30132	1756.91077	1.51368	111.11751	.00000	8.41864	45.05137
	GRADIENT	.00000	-.14695	-.00159	-.09561	-.33804	-.00000	.11199	.00000	.00119	-8.54674

RUN NO. 513/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.500	-6.000	6.00000	718.22340	3.29400	456.03656	1674.06032	1.53222	110.47626	.00000	8.42268	134.81312
1.500	-4.000	6.00000	718.84164	3.29740	456.41886	1675.49440	1.53223	110.40175	.00000	7.21201	123.67655
1.500	-2.000	6.00000	718.31586	3.29405	456.20961	1674.37033	1.53220	110.54203	.00000	6.34460	108.13718
1.500	.000	6.00000	717.99068	3.29425	455.89357	1673.52122	1.53223	110.30716	.00000	6.05045	89.93390
1.500	2.000	6.00000	717.47852	3.29201	455.55314	1672.32060	1.53223	110.29005	.00000	6.35924	71.66150
1.500	4.000	6.00000	718.24844	3.29545	456.03170	1674.10265	1.53223	110.30032	.00000	7.21388	56.36677
1.500	6.000	6.00000	718.74400	3.30005	456.34644	1675.25861	1.53223	109.99983	.00000	8.44128	45.07472
	GRADIENT	.00000	-.10119	-.00030	-.07154	-.24166	.00000	-.02274	.00000	.00092	-8.55476

RUN NO. 393/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q	RN/FT	PS	PT	QC/Q	TTF	PHI	THETAI	PHII
1.550	-6.000	6.00000	688.86245	3.14800	409.56953	1617.30608	1.54941	109.89671	.00000	8.44377	134.80358
1.550	-4.000	6.00000	688.99541	3.14646	409.70131	1617.65836	1.54940	110.19376	.00000	7.20273	123.35162
1.550	-2.000	6.00000	688.95837	3.14694	409.60376	1617.51329	1.54940	110.09411	.00000	6.36738	108.36475
1.550	.000	6.00000	690.47498	3.15319	410.59908	1621.14827	1.54938	110.20120	.00000	6.05511	89.96804
1.550	2.000	6.00000	688.88959	3.14665	409.60381	1617.37900	1.54941	110.09780	.00000	6.37216	71.70440
1.550	4.000	6.00000	689.19299	3.14954	409.76915	1618.08778	1.54940	109.89221	.00000	7.22600	56.41136
1.550	6.000	6.00000	688.50239	3.14487	409.35492	1616.45847	1.54940	110.09633	.00000	8.45268	45.04692
	GRADIENT	.00000	.01632	.00029	-.00679	.03623	-.00000	-.02997	.00000	.00257	-8.52704

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB64) (05 DEC 80)

REFERENCE DATA PARAMETRIC DATA

SCALE = .0700 BETA = 6.000 PHI = .000

RUN NO. 308/ 0 RN/L = 3.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.600	-6.000	6.00000	-.05384	.05222	1.05198	.15830	-.02041	1.15443	1.24983	-.06728	.06524
.600	-4.000	6.00000	-.03645	.05187	1.05580	.15931	-.01553	1.16661	1.25587	-.04577	.06514
.600	-2.000	6.00000	-.01843	.05053	1.05744	.15976	-.01356	1.17853	1.25849	-.02320	.06410
.600	.000	6.00000	-.00106	.05022	1.05792	.16038	-.01229	1.19035	1.26001	-.00134	.06327
.600	2.000	6.00000	.01611	.05026	1.05697	.16046	-.01309	1.20127	1.25899	.02028	.06327
.600	4.000	6.00000	.03356	.05054	1.05448	.16033	-.01554	1.21201	1.25583	.04213	.06345
.600	6.000	6.00000	.05051	.05096	1.05043	.15918	-.02087	1.22086	1.24929	.06308	.06365
	GRADIENT	.00000	.00873	-.00017	-.00015	.00014	.00002	.00568	.00002	.01096	-.00021

RUN NO. 471/ 0 RN/L = 3.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.800	-6.000	6.00000	-.07450	.07373	1.09163	.27066	-.01836	1.31536	1.49675	-.11151	.11034
.800	-4.000	6.00000	-.04954	.07217	1.09627	.27243	-.01167	1.33712	1.50675	-.07464	.10874
.800	-2.000	6.00000	-.02528	.07070	1.09845	.27368	-.00792	1.35769	1.51235	-.03823	.10693
.800	.000	6.00000	-.00057	.06970	1.09887	.27413	-.00689	1.37723	1.51387	-.00086	.10551
.800	2.000	6.00000	.02363	.06900	1.09694	.27454	-.00839	1.39592	1.51165	.03572	.10430
.800	4.000	6.00000	.04758	.06904	1.09359	.27427	-.01158	1.41377	1.50687	.07170	.10404
.800	6.000	6.00000	.07178	.06966	1.08802	.27326	-.01815	1.42975	1.49713	.10747	.10429
	GRADIENT	.00000	.01216	-.00040	-.00034	.00022	-.00001	.00958	-.00002	.01833	-.00060

RUN NO. 479/ 0 RN/L = 3.99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
.900	-6.000	6.00000	-.08083	.07980	1.10331	.33509	-.01923	1.43689	1.65933	-.13412	.13242
.900	-4.000	6.00000	-.05372	.07829	1.10819	.33707	-.01172	1.46355	1.67165	-.08980	.13087
.900	-2.000	6.00000	-.02737	.07684	1.11055	.33782	-.00846	1.48722	1.67711	-.04590	.12886
.900	.000	6.00000	-.00043	.07541	1.11060	.33847	-.00741	1.51128	1.67883	-.00071	.12661
.900	2.000	6.00000	.02543	.07465	1.10875	.33875	-.00867	1.53360	1.67675	.04263	.12518
.900	4.000	6.00000	.05165	.07500	1.10503	.33852	-.01242	1.55491	1.67055	.08627	.12529
.900	6.000	6.00000	.07817	.07606	1.09931	.33760	-.01909	1.57453	1.65960	.12973	.12622
	GRADIENT	.00000	.01318	-.00044	-.00041	.00019	-.00008	.01146	-.00013	.02203	-.00074

RUN NO. 494/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.100	-6.000	6.00000	-.08631	.08546	1.11441	.46771	-.01872	1.78832	2.09362	-.18070	.17891
1.100	-4.000	6.00000	-.05800	.08392	1.11924	.46886	-.01210	1.82162	2.10723	-.12222	.17682
1.100	-2.000	6.00000	-.02940	.08194	1.12162	.46952	-.00874	1.85399	2.11434	-.06216	.17323
1.100	.000	6.00000	-.00074	.08070	1.12195	.47008	-.00736	1.88630	2.11721	-.00157	.17086
1.100	2.000	6.00000	.02692	.08035	1.12016	.47037	-.00840	1.91657	2.11498	.05694	.16994
1.100	4.000	6.00000	.05481	.08006	1.11616	.47023	-.01226	1.94535	2.10689	.11547	.16869
1.100	6.000	6.00000	.08311	.08148	1.11019	.46953	-.01902	1.97209	2.09285	.17394	.17052
	GRADIENT	.00000	.01410	-.00046	-.00038	.00018	.00000	.01550	-.00000	.02972	-.00098

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB64) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = 6.000 PHI = .000

RUN NO. 338/ 0 RN/L = 3.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.250	-6.000	6.00000	-.10082	.09661	1.11471	.54763	-.03756	2.08638	2.46417	-.24843	.23806
1.250	-4.000	6.00000	-.06728	.09521	1.12019	.54818	-.03124	2.12985	2.47927	-.16680	.23605
1.250	-2.000	6.00000	-.03371	.09367	1.12335	.54913	-.02613	2.17595	2.49152	-.08398	.23313
1.250	.000	6.00000	-.00142	.09128	1.12336	.54956	-.02515	2.21829	2.49392	-.00355	.22766
1.250	2.000	6.00000	.02962	.09019	1.12104	.54973	-.02685	2.25776	2.48969	.07376	.22452
1.250	4.000	6.00000	.06078	.08909	1.11607	.54970	-.03148	2.29606	2.47850	.15064	.22081
1.250	6.000	6.00000	.09193	.08962	1.10946	.54976	-.03752	2.33432	2.46417	.22652	.22084
	GRADIENT	.00000	.01597	-.00078	-.00053	.00018	-.00006	.02071	-.00017	.03963	-.00195

RUN NO. 501/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.400	-6.000	6.00000	-.11432	.10754	1.17262	.60967	-.01483	2.39025	3.00421	-.34342	.32306
1.400	-4.000	6.00000	-.07713	.10480	1.17898	.61012	-.00822	2.44826	3.02392	-.23322	.31688
1.400	-2.000	6.00000	-.04004	.10248	1.18138	.61047	-.00529	2.50649	3.03284	-.12142	.31080
1.400	.000	6.00000	-.00448	.10128	1.18107	.61053	-.00535	2.56083	3.03255	-.01357	.30712
1.400	2.000	6.00000	.03114	.10174	1.17973	.61077	-.00595	2.61640	3.03098	.09439	.30835
1.400	4.000	6.00000	.06695	.10367	1.17619	.61068	-.00919	2.66972	3.02114	.20225	.31319
1.400	6.000	6.00000	.10363	.10628	1.16881	.61036	-.01637	2.72190	2.99973	.31084	.31878
	GRADIENT	.00000	.01797	-.00015	-.00036	.00007	-.00013	.02764	-.00037	.05434	-.00049

RUN NO. 376/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.450	-6.000	6.00000	-.12383	.10950	1.19086	.62367	-.01995	2.46135	3.16443	-.39184	.34649
1.450	-4.000	6.00000	-.08579	.10848	1.19805	.62365	-.01391	2.52054	3.18331	-.27309	.34532
1.450	-2.000	6.00000	-.04849	.10824	1.20251	.62360	-.01028	2.57931	3.19479	-.15490	.34579
1.450	.000	6.00000	-.01129	.10958	1.20461	.62324	-.00950	2.63612	3.19724	-.03611	.35035
1.450	2.000	6.00000	.02677	.11121	1.20292	.62343	-.01039	2.69830	3.19441	.08551	.35523
1.450	4.000	6.00000	.06587	.11273	1.19908	.62326	-.01401	2.75917	3.18279	.20963	.35879
1.450	6.000	6.00000	.10458	.11526	1.19084	.62318	-.02133	2.81905	3.16026	.33049	.36426
	GRADIENT	.00000	.01893	.00057	.00012	-.00005	-.00002	.02981	-.00007	.06029	.00182

RUN NO. 513/ 0 RN/L = 3.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.500	-6.000	6.00000	-.13069	.12019	1.23381	.63335	-.01428	2.50751	3.36509	-.43977	.40443
1.500	-4.000	6.00000	-.08972	.11866	1.24274	.63181	-.01123	2.56460	3.37530	-.30282	.40051
1.500	-2.000	6.00000	-.04947	.11888	1.26153	.62780	-.00682	2.60289	3.38939	-.16766	.40289
1.500	.000	6.00000	-.00856	.11825	1.25286	.62976	-.00864	2.68646	3.38390	-.02896	.40012
1.500	2.000	6.00000	.03280	.11896	1.24826	.63101	-.00896	2.76559	3.38291	.11097	.40245
1.500	4.000	6.00000	.07452	.11956	1.23826	.63265	-.01259	2.84782	3.37083	.25119	.40300
1.500	6.000	6.00000	.11560	.12036	1.22516	.63509	-.01664	2.93445	3.35741	.38812	.40410
	GRADIENT	.00000	.02054	.00009	-.00111	.00024	-.00024	.03646	-.00077	.06933	.00023

IA132(AEDC TF-505) TANK UPRT W/FRNG, LOUVR OPEN (T4RB64) (05 DEC 80)

REFERENCE DATA

SCALE = .0700

PARAMETRIC DATA

BETA = 6.000 PHI = .000

RUN NO. 393/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CPALPH	CPBETA	CPMACH	CPSD	CPTD	PBOPS	PTOPS	DPAOPS	DPBOPS
1.550	-6.000	6.00000	-.15337	.14771	1.46862	.59272	-.00003	2.17876	3.60588	-.55304	.53262
1.550	-4.000	6.00000	-.09701	.14020	1.51330	.58061	.00074	2.20937	3.60831	-.35005	.50590
1.550	-2.000	6.00000	-.04317	.13275	1.54384	.57241	.00124	2.26077	3.61059	-.15588	.47937
1.550	.000	6.00000	.00743	.12901	1.54875	.56984	-.00142	2.33808	3.60038	.02674	.46448
1.550	2.000	6.00000	.05455	.12557	1.54140	.57260	.00017	2.43812	3.60648	.19674	.45287
1.550	4.000	6.00000	.10236	.13015	1.49997	.58456	.00128	2.59187	3.61055	.36959	.46993
1.550	6.000	6.00000	.15250	.13491	1.45146	.59713	-.00087	2.75692	3.60282	.54943	.48607
	GRADIENT	.00000	.02482	-.00136	-.00146	.00040	.00000	.04712	.00002	.08959	-.00492