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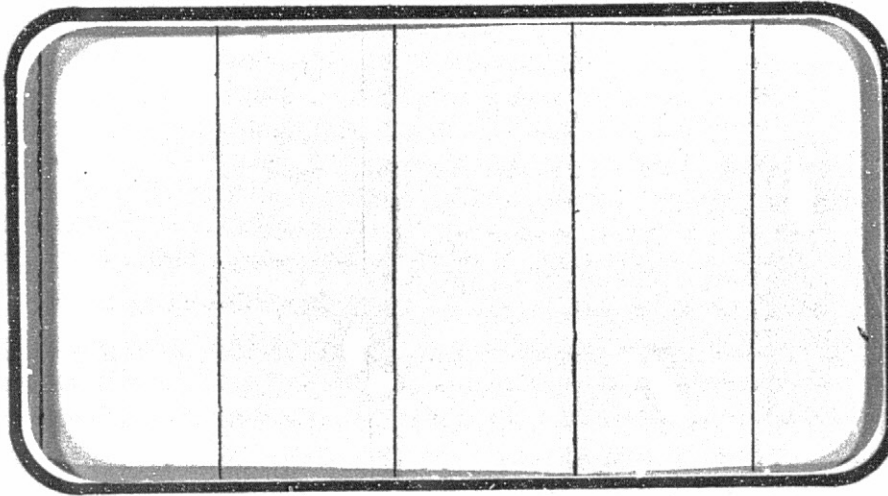
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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

NASA CR.
147623



(NASA-CR-147623) RESULTS OF AN
INVESTIGATION OF REYNOLDS EFFECTS ON
INTEGRATED VEHICLE ELEVON HINGE MOMENTS AND
WING PANEL LOADS OBTAINED WITH 0.010 SCALE
MODEL 72 OTS IN THE ROCKWELL TRISONIC WIND

N76-30273
HC#6.75

Unclas
63/16 49196

SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANAGEMENT services



August, 1976

DMS-DR-2315
NASA CR-147,623

RESULTS OF AN INVESTIGATION OF REYNOLDS NUMBER
EFFECTS ON INTEGRATED VEHICLE ELEVON HINGE MOMENTS
AND WING PANEL LOADS OBTAINED WITH 0.010-SCALE MODEL
72-OTS IN THE ROCKWELL TRISONIC WIND TUNNEL (IA141)

by

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Prepared under NASA Contract Number NAS9-13247

by

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National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: Rockwell Trisonic 297
NASA Series Number: IA141
Model Number: 72-OTS
Test Dates: April 1 through April 5, 1976
Occupancy Hours: 30

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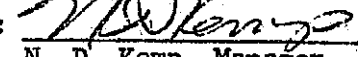
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RESULTS OF AN INVESTIGATION OF REYNOLDS NUMBER
EFFECTS ON INTEGRATED VEHICLE ELEVON HINGE
MOMENTS AND WING PANEL LOADS OBTAINED WITH 0.010-
SCALE MODEL 72-OTS IN THE ROCKWELL TRISONIC WIND
TUNNEL (IA141)

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ABSTRACT

Experimental aerodynamic investigations were conducted on an 0.010-scale representation of the VL70-000140C Integrated Space Shuttle Launch Vehicle in the Rockwell International Trisonic Wind Tunnel from April 1, 1976 through April 5, 1976. The primary test objective was to obtain Reynolds number effects on orbiter elevon hinge moments and wing bending/torsional moments. Launch vehicle aerodynamic force data were also recorded in support of this objective.

The elevon hinge moments, wing bending/torsional moments, and vehicle force data were recorded over an angle-of-attack (α) range of -6° to $+6^\circ$, an angle-of-sideslip (β) range of -6° to $+6^\circ$, at Mach numbers of 0.6, 0.975, 1.05 and 1.25. The Reynolds number was varied from a minimum of 4.5×10^6 /foot to a maximum of 11.5×10^6 /foot.

Model parametric variations consisted of testing the complete integrated configuration with the orbiter elevons set at 0° and deflected

ABSTRACT (Concluded)

to 9° on the outboard elevon and 10° on the inboard elevon.

Testing was conducted in the TWT 19.7% porous transonic test section with the model sting mounted through the orbiter base. All aerodynamic force data were obtained from a 1.5" diameter Task-type internal strain gage balance located in the orbiter.

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SCHEDULE OF COEFFICIENTS PLOTTED:

- (A) C_{he_i} , C_{he_o} , C_{B_W} , C_{N_W} , C_{T_W} , C_{N_f} , C_{m_f} , C_{A_f} , $C_{A_{b_0}}$, $C_{A_{b_s}}$, $C_{A_{b_e}}$ versus α ; C_{N_f} versus C_{m_f}
- (B) C_{he_i} , C_{he_o} , C_{B_W} , C_{N_W} , C_{T_W} , C_Y , $C_n(\text{BODY})$, $C_l(\text{BODY})$, versus α

NOMENCLATURE

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
A_{bc}	ABC	orbiter balance cavity area perpendicular to the X-Y plane, ft ²
A_{be}	ABE	external tank projected base area, ft ²
A_{bf}	ABF	orbiter body flap planform area, ft ²
A_{bo}	ABO	orbiter base area including OMS area perpendicular to X-Y plane, ft ² (does not include ABC)
A_{bs}	ABS	solid rocket booster projected base area, ft ²
a_m		distance from wing outboard bending gage to wing inboard bending gage, inches
b_{ref}	BREF	reference length, orbiter fuselage length, inches
B_W	BW	orbiter right exposed wing bending moment, in-lbs
C_A	CA	integrated vehicle total axial force coefficient, uncorrected for base pressure effects
$C_{A_{be}}$	CABE	external tank base pressure axial force coefficient
$C_{A_{bo}}$	CABO	orbiter base pressure axial force coefficient
$C_{A_{bs}}$	CABS	solid rocket booster base pressure axial force coefficient
C_{A_f}	CAF	integrated vehicle forebody axial force coefficient, corrected for base pressure effects
C_{B_W}	CBW	orbiter right exposed wing bending moment coefficient
C_e	CE	elevon reference chord, inches
C_{hei}	CHEI	left inboard elevon hinge moment coefficient

NOMENCLATURE (Continued)

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
$C_{h_{eo}}$	CHEO	left outboard elevon hinge moment coefficient
$C_{h_{et}}$	CHET	left elevon total hinge moment coefficient
C_g	CBL	integrated vehicle body axis rolling moment coefficient
C_m	CLM	integrated vehicle body axis pitching moment coefficient, uncorrected for base pressure effects
$C_{m_{bo}}$	CLMBO	orbiter base pressure body axis pitching moment coefficient
C_{m_f}	CLMF	integrated vehicle body axis pitching moment coefficient, corrected for base pressure effects
C_N	CN	integrated vehicle body axis normal force coefficient, uncorrected for base pressure effects
$C_{N_{bo}}$	CNBO	orbiter base pressure body axis normal force coefficient
C_{N_f}	CNF	integrated vehicle body axis normal force coefficient, corrected for base pressure effects
C_{N_W}	CNW	orbiter right exposed wing body axis normal force coefficient
C_n	CYN	integrated vehicle body axis yawing moment coefficient
$C_{p_{bc_i}}$	CPBCi	orbiter balance cavity pressure, $i = 1, 2$
$C_{p_{be}}$	CPBE	external tank base pressure coefficient
$C_{p_{bf}}$	CPBF	orbiter body flap base pressure coefficient
$C_{p_{bi}}$	CPBi	base pressure coefficient, $i = 1$ through 8

NOMENCLATURE (Continued)

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
$C_{p_{bo}}$	CPBO	orbiter base pressure coefficient
$C_{p_{bs}}$	CPBS	solid rocket booster base pressure coefficient
C_{TW}	CTW	orbiter right exposed wing torsion gage moment coefficient, about station $X_0 = 1307$ inches
C_W	CW	orbiter wing reference chord, inches
C_Y	CY	integrated vehicle body axis side force coefficient
d_m		distance from m_2 gage to exposed wing root chord, inches
e_m		distance from m_3 gage to torsion reference point, inches
ET	ET	external tank
h_{iL}	HEIL	left inboard elevon hinge moment, in-lbs
h_{eOL}	HEOL	left outboard elevon hinge moment, in-lbs
i_b		orbiter base average inclination angle, deg.
i_m		incidence angle of orbiter fuselage reference plane with respect to the ET fuselage reference plane, deg.
l_{ref}	LREF	integrated vehicle reference length, orbiter fuselage length, inches
l_{refx}	LREFX	reference length for orbiter wing XCP location, inches
l_{refy}	LREFY	reference length for orbiter wing YCP location, inches
MO	MACH	tunnel freestream Mach number

NOMENCLATURE (Continued)

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
MRP	MRP	integrated vehicle moment reference point
N_W		orbiter right exposed wing normal force, lbs
O,ORB		orbiter
OMS		orbital maneuvering system
PBC _i		orbiter balance cavity pressure, $i = 1 \rightarrow 2$, psfa
P_i		model pressure, $i = 1 \rightarrow 8$, psfa
P_o	PO	tunnel freestream static pressure, psfa
P_t	PT	tunnel freestream total pressure, psfa
q	Q(PSF)	tunnel freestream dynamic pressure, psf
RN_e	RN/L	tunnel freestream Reynolds number, millions per foot
S,SRB		solid rocket booster
S_e		elevon reference area, ft ²
S_W	SREF	orbiter wing reference area, ft ²
T_o	TO	tunnel freestream static temperature, °R
T_t	TT	tunnel freestream total temperature, °R
T_W		orbiter right exposed wing torsion moment at station $X_o = 1307$, in-lbs
X_{b_o}	XBO	orbiter X transfer distance for C_m correction, inches
XCP/LREFX		orbiter right exposed wing longitudinal center of pressure location, percent LREFX

NOMENCLATURE (Continued)

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
X _O	XO	orbiter longitudinal station, inches
X _T	XT	external tank longitudinal station, inches
YCP/LREFY		orbiter right exposed wing lateral center of pressure location, percent LREFY
Y _O	YO	orbiter lateral station, inches
Y _T	YT	external tank lateral station, inches
Z _{bO}	ZBO	orbiter Z transfer distance for C _m correction, inches
α	ALPHA	model angle of attack, deg.
α _u		sector angle of attack, deg.
β	BETA	model angle of sideslip, deg.
β _u		yaw plate angle of sideslip, deg.
δ _{bf}	BDFLAP	body flap deflection angle, deg.
δ _{eiL}	ELV-IL	left inboard elevon deflection angle, deg.
δ _{eiLc}		δ _{eiL} corrected for deflection due to load, deg.
δ _{eiR}	ELV-IR	right inboard elevon deflection angle, deg.
δ _{eoL}	ELV-OL	left outboard elevon deflection angle, deg.
δ _{eoLc}		δ _{eoL} corrected for deflection due to load, deg.
δ _{eoR}	ELV-OR	right outboard elevon deflection angle, deg.
δ _r	RUDDER	rudder deflection angle, deg
δ _{sb}	SPDBRK	speed brake deflection angle, deg.

NOMENCLATURE (Continued)

ADDITIONS

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
bp		base pressure
b _w		wing span, inches
C _{A_{bc}}	CABC	orbiter balance cavity pressure axial force coefficient
C _{N_{bf}}	CNEF	orbiter body flap normal force coefficient
C _{p_{bc}}	CPBC	orbiter balance cavity pressure coefficient
fb		forebody
H _m	HM	hinge moment, in-lbs
m ₁		wing inboard bending gage moment, in-lbs
m ₂		wing outboard bending gage moment, in-lbs
m ₃		wing torsion gage moment, in-lbs
X _B	XB	SRB nozzle longitudinal station, inches
X _S	XS	SRB longitudinal station, inches
X _w	XW	orbiter wing longitudinal station, inches
Y _S	YS	SRB lateral station, inches
Z _O	ZO	orbiter vertical station, inches
Z _S	ZS	SRB vertical station, inches
Z _T	ZT	external tank vertical station, inches
	XMRP	longitudinal location of MRP, inches
	YMRP	lateral location of MRP, inches
	ZMRP	vertical location of MRP, inches

NOMENCLATURE (Concluded)

<u>PLOT SYMBOL</u>	<u>NOMENOMIC</u>	<u>DEFINITION</u>
X_{bf}	XBF	moment arm for body flap C_m correction, inches
Z_B	ZB	SRB nozzle vertical station, inches
δ_a		aileron deflection angle, deg.
δ_e		elevon deflection angle, deg.
δ_{eL}		left elevon deflection angle, deg.
δ_{eR}		right elevon deflection angle, deg.
ϕ	PHI	model roll angle, degrees

CONFIGURATIONS INVESTIGATED

The model used for this test period was an 0.010-scale representation of the Rockwell International VL70-000140C Space Shuttle Orbiter and Integrated Launch Vehicle. The orbiter was of the blended wing body design with a double delta wing planform ($75^\circ/45^\circ \Lambda_{LE}$), full span split elevons with unswept hingeline, a centerline vertical tail with rudder/speed brake deflection capability, a fuselage canopy, and an orbital maneuvering system mounted on the aft fuselage side walls. The elevon panels were segmented into inboard and outboard panels at $Y_0 = 312.50$. Each panel was capable of independent deflection. Both the left inboard and left outboard elevon panels were instrumented to record hinge moment loads. The right wing panel was instrumented to record both wing bending and torsional moments.

The external tank was updated to current configuration lines per drawing ICD-2-00001. All external tank protuberances, such as the ET LOX and LH₂ vent and feedlines, the LOX and LH₂ ET/ORB umbilical lines and the orbiter and solid rocket booster attach structures were simulated.

The solid rocket boosters were also updated to current configuration lines per drawing ICD-2-00001. All SRB protuberances such as the SRB electrical tunnel fairings, the SRB/ET attach structures, the separation rocket fairings, and the SRB nozzle shrouds were simulated.

In addition to the elevon and wing instrumentation, the integrated vehicle contained 17 base pressure measuring orifices to be used in base drag calculation (see figure 2d).

CONFIGURATIONS INVESTIGATED (Continued)

For this test period the following letter designations were used to describe the various launch vehicle configurations:

<u>Symbol</u>	<u>Definition</u>
AT ₂₈	attach structure - rear ORB/ET
AT ₃₀	attach structure - fwd ET/SRB
AT ₃₁	attach structure - rear ET/SRB
AT ₁₂₉	attach structure - fwd ORB/ET
AT ₁₃₁	attach structure - rear ORB/ET
B ₂₆	orbiter fuselage
C ₉	orbiter canopy
E ₅₂	orbiter full span elevons
F ₁₀	orbiter body flap
FL ₁₀	ET LH ₂ feedline
FL ₁₁	ET LO ₂ feedline
FR ₁₀	ORB/ET umbilical door fairing between rear attach structure
FR ₁₄	ET nose cable fairing
FR ₁₅	ET nose probe fairing
FR ₁₆	ET LO ₂ feedline
FR ₁₇	ET LO ₂ antigeysers line
FR ₁₈	ET aft electrical conduit

CONFIGURATIONS INVESTIGATED (Continued)

<u>Symbol</u>	<u>Definition</u>
FR ₁₉	ET LH ₂ pressure line
M ₁₆	orbiter OMS/RCS pods
N ₈₉	orbiter OMS nozzles
N ₁₀₆	SRB nozzles
PS ₂₀	SRB electrical tunnel fairing
PS ₂₃	SRB fwd. separation rocket fairings
PS ₂₆	SRB/ET aft attach ring
PS ₂₈	SRB aft separation rocket fairings
PS ₂₉	SRB tiedown struts
PS ₃₀	SRB APV exhaust outlets
PS ₃₁	SRB command antennae
PS ₃₂	SRB data capsule and camera
PS ₃₃	SRB intermediate structural rings
PS ₃₄	SRB aft cable housing
PS ₃₅	SRB aft structural ring
PS ₃₆	SRB aft separation rocket motors
PT ₂₃	ET LO ₂ recirculation line
PT ₂₅	ET aft electrical line

CONFIGURATIONS INVESTIGATED (Continued)

<u>Symbol</u>	<u>Definition</u>
PT ₂₆	ET LO ₂ pressure line
PT ₂₉	ET electrical line
PT ₃₃	ET LH ₂ pressure line
PT ₃₉	ET nose probe
R ₅	orbiter rudder
S ₂₄	solid rocket booster
T ₃₅	external tank
V ₈	orbiter centerline vertical tail
W ₁₂₇	orbiter double delta wing

The following letter/number combinations were used to describe the individual components when used in the mated configuration:

<u>Symbol</u>	<u>Definition</u>
O ₂	orbiter configuration B ₂₆ C ₉ M ₁₆ N ₈₉ F ₁₀ W ₁₂₇ E ₅₂ V ₈ R ₅
O ₃	orbiter configuration B ₂₆ C ₉ M ₁₆ N ₈₉ F ₁₀ W ₁₂₇ E ₅₂ V ₈ R ₅ + .0065 grit on W ₁₂₇ located .50 in. aft streamwise, .10 in. wide
O ₄	orbiter configuration B ₂₆ C ₉ M ₁₆ N ₈₉ F ₁₀ W ₁₂₇ E ₅₂ V ₈ R ₅ + .0065 grit on W ₁₂₇ and V ₈ located .50 in. aft streamwise, .10 in. wide, and on B ₂₆ located 1.2 in. aft streamwise, .10 in. wide

CONFIGURATIONS INVESTIGATED (Concluded)

<u>Symbol</u>	<u>Definition</u>
S7	solid rocket booster S ₂₄ with protuberances AT ₃₀ , AT ₃₁ , PS ₂₀ , PS ₂₃ , PS ₂₆ → PS ₃₆ , + .0065 grit located on S ₂₄ , 1.20 in. aft streamwise, .10 in. wide
S8	solid rocket booster S ₂₄ with protuberances AT ₃₀ , AT ₃₁ , PS ₂₀ , PS ₂₃ , PS ₂₆ → PS ₃₆
T4	external tank configuration T ₃₅ with protuberances AT ₂₈ , AT ₁₂₉ , AT ₁₃₁ , FL ₁₀ , FL ₁₁ , FR ₁₄ → FR ₁₉ , PT ₂₃ , PT ₂₅ , PT ₂₆ , PT ₂₉ , PT ₃₃ , PT ₃₉ , + .0065 grit located on T ₃₅ , 1.20 in. aft streamwise, .10 in. wide
T5	external tank configuration T ₃₅ with protuberances AT ₂₈ , AT ₁₂₉ , AT ₁₃₁ , FL ₁₀ , FL ₁₁ , FR ₁₄ → FR ₁₉ , PT ₂₃ , PT ₂₅ , PT ₂₆ , PT ₂₉ , PT ₃₃ , PT ₃₉

TEST FACILITY DESCRIPTION

The Rockwell International Trisonic Wind Tunnel is an intermittent blow down facility with a 7' x 7' tandem test section capable of testing force, duct, pressure, and flutter models at Mach numbers from 0.1 to 3.5.

Two synchronous motor-driven centrifugal compressors, operating in series, supply dry air at a rate of 40 lb/sec. to eight storage spheres having a total volume of 214,000 cu. ft.. The air is dried to a moisture content of 0.001 lb. or less of water per lb. of dry air (approx. -35°F dew-point) and stored at a pressure of ten atmospheres. Flow from the air storage spheres is regulated by a servo controlled valve. The eight foot diameter valve opens within two seconds to control and stabilize the settling chamber at a preselected pressure.

Downstream of the settling chamber is a fixed nozzle which provides a transition from the circular cross-section of the settling chamber to the rectangular cross-section of the variable nozzle. Two seven foot wide steel plates, supported between parallel walls by hydraulic jacks, form the floor and ceiling of the flexible nozzle section. Changes in nozzle contours to produce variations in Mach number are accomplished by means of these jacks and require 30 to 50 minutes to complete.

Two test sections, for supersonic, transonic, and subsonic testing are 7 ft. wide by 7 ft. high and are permanently installed in a tandem arrangement. The standard supersonic test section (for testing at Mach numbers greater than 1.3) is in the downstream end of the flexible nozzle.

TEST FACILITY DESCRIPTION (Concluded)

The test section for subsonic and transonic operation is located downstream in the porous wall area. An access door to the test area is located in the variable diffuser.

The variable diffuser downstream of the porous wall area may be adjusted to provide subsonic Mach number control, to generate transonic Mach numbers, and to minimize start time for supersonic testing with models having high tunnel blockage.

An equivalent 5° conical expansion angle is provided in a fixed diffuser which completes the basic tunnel circuit. Downstream of the diffuser is a sound abatement muffler building where the air is exhausted to the atmosphere.

DATA REDUCTION

Model force and pressure data were reduced to coefficient form in the body axis system. Standard wind tunnel equations were used to compute all data. All body axis moments were computed based on body length.

The elevon panel hinge moments and wing bending/torsional moments were measured by individual strain gage beams with the data reduction computations as follows:

- 1) Left inboard and outboard elevon hinge moment coefficients

$$C_{hei} = \frac{h_{eiL}}{qS_e C_e}$$

$$C_{heo} = \frac{h_{eoL}}{qS_e C_e}$$

- 2) Left elevon total hinge moment coefficient

$$C_{het} = C_{hei} + C_{heo}$$

- 3) Right exposed wing panel bending moment and normal force coefficient

$$N_W = \frac{(m_1 - m_2)}{a_m}$$

$$B_W = m_2 + (N_W)(d_m)$$

$$C_{N_W} = \frac{N_W}{qS_W}$$

$$C_{B_W} = \frac{B_W}{(q)(S_W)(b_W)}$$

DATA REDUCTION (Continued)

- 4) Right wing panel torsional moment coefficient and center of pressure location:

$$T_W = m_3 + (N_W)(e_m)$$

$$C_{TW} = \frac{T_W}{(q)(S_W)(C_W)}$$

$$XCP/LREFX = \left(13.07 - \frac{T_W}{N_W} \right) / LREFX$$

$$YCP/LREFY = \left(\frac{m_2}{N_W} + d_m + 1.05 \right) / LREFY$$

Corrections to the body axis force data for base pressure drag effects were computed as follows:

1) $C_{A_f} = C_A - C_{A_{bo}} - C_{A_{be}} - C_{A_{bs}} - C_{A_{bc}}$

$$C_{A_{bo}} = -C_{P_{bo}} \left(\frac{A_{bo}}{S_W} \right)$$

$$C_{A_{be}} = -C_{P_{be}} \left(\frac{A_{be}}{S_W} \right)$$

$$C_{A_{bs}} = -C_{P_{bs}} \left(\frac{A_{bs}}{S_W} \right) (2)$$

$$C_{A_{bc}} = -C_{P_{bc}} \left(\frac{A_{bc}}{S_W} \right)$$

2) $C_{N_f} = C_N - C_{N_{bo}} - C_{N_{bf}}$

$$C_{N_{bo}} = -C_{P_{bo}} \left(\frac{A_{bo}}{S_W} \right) \tan i_b - C_{P_{bc}} \left(\frac{A_{bc}}{S_W} \right) \tan i_b$$

DATA REDUCTION (Continued)

$$C_{N_{bf}} = -C_{P_{bf}} \left(\frac{A_{bf}}{S_W} \right)$$

$$C_{m_f} = C_m + C_{m_{bo}}$$

$$C_{m_{bo}} = C_{N_{bo}} \left(\frac{X_{BO}}{L_{REF}} \right) - C_{A_{bo}} \left(\frac{Z_{BO}}{L_{REF}} \right) + C_{N_{bf}} \left(\frac{X_{BF}}{L_{REF}} \right)$$

The following reference dimensions and constants were used for data reductions:

<u>Symbol</u>	<u>Value</u>	
	<u>Model Scale</u>	<u>Full Scale</u>
A_{bc} , ft ²	0.0167	167.00
A_{be} , ft ²	0.0605	604.80
A_{bf} , ft ²	0.0143	142.60
A_{bo} , ft ²	0.0270	269.70
A_{bs} , ft ²	0.0236	236.40
a_m , inches	0.4913	--
b_W , inches	9.3668	936.68
C_e , inches	0.9070	90.70
C_W , inches	4.7480	474.80
d_m , inches	0.8185	--
e_m , inches	1.1700	--
i_D , deg.	14.7000	
L_{REFX} , inches	12.9030	1290.30
L_{REF} , inches	12.9030	1290.30

DATA REDUCTION (Concluded)

<u>Symbol</u>	<u>Value</u>	
	<u>Model Scale</u>	<u>Full Scale</u>
LREFY, inches	4.7480	474.80
XMRP, EI inches	9.7600	976.00
YMRP, EI inches	0.0000	0.00
ZMRP, EI inches	4.0000	400.00
S _e , ft ²	0.0210	210.00
S _w , ft ²	0.2690	2690.00
XBF, inches	13.2970	1329.70
XBO, inches	12.6300	1263.00
ZBO, inches	3.3650	336.50

The reference length used for pitch, yaw, and rolling moments was 1290.3 (LREF).

TABLE II.

TEST: LA141 TWT 277		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 4/13/76					
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES								NO. OF RUNS	MACH NUMBERS				
		α	β	$\delta_{e_{OL}}$	$\delta_{e_{OP}}$	$\delta_{e_{iL}}$	$\delta_{e_{iP}}$	$\delta_{\theta F}$	$\delta_{\Delta b}$	δ_{τ}	RN/L		0.6	0.75	1.05	1.25	
AFK*01	03T5SB	A	0	0	0	0	0	0	0	0	0	7.0	1				1
02	02T5SB												1				2
03	04T4S7												2	4	3		
04												9.0	1		5		
05												11.5	3	7	6	5	
06			6									7.0	1		7		
07												11.5	3	11	10	12	
08			-6									7.0	1		13		
09												11.5	3	15	14	16	
10				9	9	10	10					7.0		17	18	17	
11												11.5		20	21	22	
12			6									7.0		25	24	23	
13												11.5		26	27	23	
14			0									4.5	1	36			
15												7.0	3	31	30	29	
16												9.0	1		34		
17												11.0	1	37			
18												11.5	3		32	33	35

TEST RUN NUMBERS

23

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS

IDVAR (1)

IDVAR (2)

IDV

α OR β
SCHEDULES

$\alpha(A): -6 \rightarrow +6^\circ$

* A, B, C, D COEFFICIENT SCHEDULES - SEE PAGE 24.

TABLE II. - (Concluded)

Data Set	1st ID	2nd ID	Coefficients									
			1	2	3	4	5	6	7	8	9	10
AFK <u>A</u> XX	MACH	ALPHA	CNF	CAF	CLMF	CY	CYN	CBL	CABS	CABO	CABE	
AFK <u>B</u> XX	MACH	ALPHA	BETA	CABC	CNBO	CWBF	CLMBO	CPBO	CPBS	CPBE	CPBC	
AFK <u>C</u> XX	MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPB1	
AFK <u>D</u> XX	MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2	

Note: ID = independent variable

CPB1 = Orifices (1,2,3) manifolded (orbiter)

CPB2 = Orifice 4 (orbiter)

CPB3 = Orifices (5,6) manifolded (orbiter)

CPB4 = Orifices (7,8) manifolded (SRB)

CPB5 = Orifices (9,10) manifolded (SRB)

CPB6 = Orifice 11 (SRB)

CPB7 = Orifices (12 to 16) manifolded (ET)

CPB8 = Orifice 17 (ET)

CPBC1 = Orifice 18 (balance cavity)

CPBC2 = Orifice 19 (balance cavity)

(see figure 2d)

TABLE III. MODEL DIMENSIONAL DATA

MODEL COMPONENT: ATTACH STRUCTURE - AT₂₈
 GENERAL DESCRIPTION: Rear orbiter to ET attach structure (LH and RH)
 (2 members).

MODEL SCALE: 0.010 MODEL DRAWING: SS-A01668

DRAWING NO.: VL78-000063, VL78-000062B, VC78-000002

DIMENSIONS:		<u>FULL SCALE-In.</u>	<u>MODEL SCALE-In.</u>
Member #1	X _O	1317.00	13.170
	Y _O	- 96.50 (LH)	- 0.965 (LH)
		96.50 (RH)	0.965 (RH)
	Z _O	267.50	2.675
	X _T	2058.00	20.580
	Y _T	- 125.68 (LH)	- 1.257 (LH)
		125.68 (RH)	1.257 (RH)
Z _T	515.5	5.155	
Member #2	X _O	1317.00	13.170
	Y _O	- 96.50 (LH)	- 0.965 (LH)
		96.50 (RH)	0.965 (RH)
	Z _O	267.50	2.675
	X _T	1872.0	18.750
	Y _T	- 125.68 (LH)	- 1.257 (LH)
		125.68 (RH)	1.257 (RH)
Z _T	504.5	5.045	
Member #1 Dia., (F.S.), In.		11.5	0.115
Member #2 Dia., In.		15.5	0.155

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT₃₀
 GENERAL DESCRIPTION: Forward SRB to ET attach structure (LH and RH),
 MODEL SCALE: 0.010 MODEL DRAWING: SS-A01668
 DRAWING NO.: VL78-000066; Martin-Marietta 82600204300, VC78-000002

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Attach point, in.	X _T	985.675	9.857
	Y _T	- 172.50 (LH) 172.50 (RH)	- 1.725 (LH) 1.725 (RH)
	Z _T	0.0	0.0
	X _S	442.675	4.427
	Y _S	80.00	0.800
	Z _S	0.00	0.00
	X _O	244.675	2.447
	Y _O	- 184.5 184.5	- 1.845 1.845
	Z _O	0.0	0.0

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT₃₁
 GENERAL DESCRIPTION: Rear ET to SRB attach structure (LH and RH)
 (3 members).

MODEL SCALE: 0.010 MODEL DRAWING: SS-A01668

DRAWING NO.: VL78-000063, VL78-000062B, VL78-000066, VC78-000002

DIMENSIONS:		<u>FULL SCALE -In.</u>	<u>MODEL SCALE-In.</u>
Member #1	X _T	2058.00	20.580
	Y _T	- 171.50 (LH) 171.50 (RH)	- 1.715 (LH) 1.715 (RH)
	Z _T	457.00	4.570
	X _S	1511.00	15.110
	Y _S	53.24	0.532
	Z _S	57.00	0.570
Member #2	X _T	2058.00	20.580
	Y _T	- 163.85	- 1.639
	Z _T	449.81	4.498
	X _S	1511.00	15.11
	Y _S	76.56	0.766
	Z _S	15.73	0.157
Member #3	X _T	2058.00	20.580
	Y _T	- 161.72	- 1.617
	Z _T	343.00	3.430
	X _S	1511.00	15.110
	Y _S	53.24	0.532
	Z _S	- 57.00	- 0.570

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>	
AT ₁₂₉	Oversize Orbiter/External Tank front attach structure per model dwg. SS-A01317-28. Wishbone type support located at:	
	<u>Model Scale-In.</u>	<u>Full Scale-In.</u>
	X _O = 3.889	X _O = 388.90
	X _T = 11.299	X _T = 1129.90
AT ₁₃₁	Rear Orbiter/External Tank attach structure per model dwg. SS-A01668-3. This attach structure is a connecting link between R.H. AT ₂₈ and External Tank. Located at:	
	<u>Model Scale-In.</u>	<u>Full Scale-In.</u>
	X _T = 20.580	X _T = 2058.00

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BODY - B₂₆

GENERAL DESCRIPTION: Configuration 140A/B Orbiter Fuselage.

NOTE: B₂₆ identical to B₂₄ except underside of fuselage has been refaired to accept W₁₁₆.

MODEL SCALE: 0.010

MODEL DRAWING: SS-A01317

DRAWING NUMBER: VL70-000143B, -000140A, -000140B

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (OML: Fwd Sta $X_o = 235$), In.	1293.3	12.933
Length (IML: Fwd Sta $X_o = 238$), In.	1290.3	12.903
Max Width (@ $X_o = 1528.3$), In.	264.00	2.640
Max Depth (@ $X_o = 1464$), In.	250.00	2.500
Fineness Ratio	0.26357	0.26357
Area - Ft ²		
Max. Cross-Sectional	340.88	0.0341

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: CANOPY - C₉

GENERAL DESCRIPTION: Configuration 140 A/B Orbiter Fuselage.

MODEL SCALE: 0.010 MODEL DRAWING: SS-A00147

DRAWING NUMBER: VL70-000143A

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length ($X_0 = 434.643$ to 578), In.	143.357	1.4336
Max Width ($X_0 = 513.127$), In.	152.412	1.524
Max Depth ($X_0 = 485.00$), In.	25.000	0.250

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ELEVON, 152

GENERAL DESCRIPTION: Elevon for Configuration 140C. Hingeline at $X_o = 1387$, elevon split line $X_w = 312.5$, 6.0" gaps, beveled edges, and centerbodies.

MODEL SCALE: 0.010

MODEL DRAWING: SS-A01317

DRAWING NUMBER: VL70-000140C, -006089, -006092

DIMENSIONS: (Data for one side)	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²	210.0	0.0210
Span (equivalent) - In.	349.2	3.492
Inb'd equivalent chord - In.	118.0	1.180
Outb'd equivalent chord - In.	55.19	0.552
Ratio movable surface chord/ total surface chord		
At inb'd equiv. chord	0.2096	0.2096
At outb'd equiv. chord	0.4004	0.4004
Sweep Back Angles, degrees		
Leading Edge	0.0	0.0
Trailing Edge	-10.056	-10.056
Hingeline	0.00	0.00
Area Moment (Normal to hinge line)-ft ³	1587.25	0.01587
Mean Aerodynamic Chord, In.	90.7	0.907
Hingeline dihedral (origin at $Z_o = 261.3509$), deg.	5.228986	5.228986

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BODY FLAP - F_{10}

GENERAL DESCRIPTION: Configuration 140 C/D Body Flap; hingeline

Located at $X_o = 1537$, $Z_o = 287$.

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000140C, VL70-355114

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length ($X_o = 1525.5 - X_o = 1613$), In.	87.50	0.875
Max Width (@ L.E. $X_o = 1525.5$), In.	256.00	2.560
Max Depth ($X_o = 1532$), In.	19.798	0.198
Fineness Ratio		
Area - Ft ²		
Max. Cross-Sectional (@ H.L.)	35.196	0.0035
Planform	135.00	0.0135
Wetted		
Base ($x_o = 1613$)	4.89	0.00049

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FEEDLINE - FL₁₀

GENERAL DESCRIPTION: LH₂ feedline on upper left-hand side of T₃₅.

MODEL SCALE: 0.010

MODEL DRAWING: SS-A01668

DRAWING NO.: VL78-000063, VL78-000062B, VC78-000002

DIMENSIONS:		<u>FULL SCALE-In.</u>	<u>MODEL SCALE-In.</u>
Leading edge at:	X _T	2071.5	20.715
	Y _T	- 70.0	- 0.700
	Z _T	573.934	5.739
Trailing edge at:	X _T	2081.8	20.818
	Y _T	- 70.00	- 0.700
	Z _T	584.059	5.841
Diameter of line (17.0 I.D.)		18.160	0.182

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FEEDLINE - FL₁₁

GENERAL DESCRIPTION: IO₂ feedline on upper right-hand of T₃₅.

MODEL SCALE: 0.010 MODEL DRAWING: SS-A01668

DRAWING NO.: VL78-000063, VL78-000062B, VC78-000002

DIMENSIONS:		<u>FULL SCALE-In.</u>	<u>MODEL SCALE-In.</u>
Leading edge at:	X _T	1000.667	10.007
	Y _T	70.00	0.700
	Z _T	150.519	1.505
Trailing edge at:	X _T	2071.5	20.715
	Y _T	70.00	0.700
	Z _T	573.934	5.739
Diameter of line, (17.0 I.D.)		18.16 O.D.	0.182

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FAIRING - FR₁₀

GENERAL DESCRIPTION: Umbilical door fairing between aft ET/orbiter
attach structure.

MODEL SCALE: 0.010

MODEL DRAWING: SS-AC1668

DRAWING NO.: VL78-000063, VL78-000062B, Martin-Marietta 82600207000,
VC78-000002

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _m , In.	2052.0	20.520
Length		193.00	1.930
Width		15.00	0.150

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>						
FR ₁₄	External Tank nose cable fairing per model dwg. SS-A01668-5 located at: <table border="1"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>$X_{TP} = 3.490-3.710, \text{In.}$</td> <td>$X_{TP} = 349.00-371.00, \text{In.}$</td> </tr> <tr> <td>$\phi = 31^{\circ}31'$</td> <td>$\phi = 31^{\circ}31'$</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_{TP} = 3.490-3.710, \text{In.}$	$X_{TP} = 349.00-371.00, \text{In.}$	$\phi = 31^{\circ}31'$	$\phi = 31^{\circ}31'$
<u>Model Scale</u>	<u>Full Scale</u>						
$X_{TP} = 3.490-3.710, \text{In.}$	$X_{TP} = 349.00-371.00, \text{In.}$						
$\phi = 31^{\circ}31'$	$\phi = 31^{\circ}31'$						
FR ₁₅	External Tank nose probe fairing per model dwg. SS-A01668-5 located at: <table border="1"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>$X_{TP} = 3.413-3.710, \text{In.}$</td> <td>$X_{TP} = 341.30-371.00, \text{In.}$</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_{TP} = 3.413-3.710, \text{In.}$	$X_{TP} = 341.30-371.00, \text{In.}$		
<u>Model Scale</u>	<u>Full Scale</u>						
$X_{TP} = 3.413-3.710, \text{In.}$	$X_{TP} = 341.30-371.00, \text{In.}$						
FR ₁₆	External Tank LO ₂ feedline (F ₁₁) fairing per model dwg. SS-A01668-3 located at: <table border="1"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>$X_{TP} = 9.820-10.420, \text{In.}$</td> <td>$X_{TP} = 982.00-1042.00, \text{In.}$</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	$X_{TP} = 9.820-10.420, \text{In.}$	$X_{TP} = 982.00-1042.00, \text{In.}$		
<u>Model Scale</u>	<u>Full Scale</u>						
$X_{TP} = 9.820-10.420, \text{In.}$	$X_{TP} = 982.00-1042.00, \text{In.}$						

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>						
FR ₁₇	External Tank LO ₂ antigeysser line (PT ₂₃) fairing per model dwg. SS-A01668-3. Located at:						
	<table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_{TP} = 9.860--10.460, In.</td> <td>X_{TP} = 986.00--1046.00, In.</td> </tr> <tr> <td>φ = 33°45'</td> <td>φ = 33°45'</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _{TP} = 9.860--10.460, In.	X _{TP} = 986.00--1046.00, In.	φ = 33°45'	φ = 33°45'
<u>Model Scale</u>	<u>Full Scale</u>						
X _{TP} = 9.860--10.460, In.	X _{TP} = 986.00--1046.00, In.						
φ = 33°45'	φ = 33°45'						
FR ₁₈	External Tank aft electrical conduit (PT ₂₅) fairing per model dwg. SS-A01668-3. Located at:						
	<table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_{TP} = 10.670--10.820, In.</td> <td>X_{TP} = 1067.00--1082.00, In.</td> </tr> <tr> <td>φ = 37°30'</td> <td>φ = 37°30'</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _{TP} = 10.670--10.820, In.	X _{TP} = 1067.00--1082.00, In.	φ = 37°30'	φ = 37°30'
<u>Model Scale</u>	<u>Full Scale</u>						
X _{TP} = 10.670--10.820, In.	X _{TP} = 1067.00--1082.00, In.						
φ = 37°30'	φ = 37°30'						
FR ₁₉	External Tank LH ₂ pressure line (PT ₃₃) fairing per model dwg. SS-A01668-9. Located at:						
	<table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_{TP} = 10.600--11.269, In.</td> <td>X_{TP} = 1060.00--1126.90, In.</td> </tr> <tr> <td>φ = 30°0'</td> <td>φ = 30°0'</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _{TP} = 10.600--11.269, In.	X _{TP} = 1060.00--1126.90, In.	φ = 30°0'	φ = 30°0'
<u>Model Scale</u>	<u>Full Scale</u>						
X _{TP} = 10.600--11.269, In.	X _{TP} = 1060.00--1126.90, In.						
φ = 30°0'	φ = 30°0'						

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: OMS POD - M₁₆

GENERAL DESCRIPTION: Configuration 140C, (modified) orbiter OMS pod
Short pod.

DRAWING NUMBER: VL70-008401, VL70-008410, VC70-000002, SS-A01317

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length, (OMS Fwd Sta. $X_0 = 1310.5$), In.	258.50	2.585
Max Width (@ $X_0 = 1511$), In.	136.8	1.368
Max Depth (@ $X_0 = 1511$), In.	74.70	0.747
Area - Ft ²		
Max. Cross-Sectional	58.864	0.0059

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>								
N ₈₉	Orbiter OMS nozzles located on OMS pods M ₁₆ per model dwg. SS-A01317-2.								
N ₁₀₆	Solid Rocket Booster nozzle located on SRB S ₂₄ per model dwg. SS-A01667-8. Located at: <table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_B = 18.371 → 19.306, In.</td> <td>X_B = 1837.10 → 1930.60, In.</td> </tr> <tr> <td>Dia. = 1.479, In.</td> <td>Dia. = 147.85, In.</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _B = 18.371 → 19.306, In.	X _B = 1837.10 → 1930.60, In.	Dia. = 1.479, In.	Dia. = 147.85, In.		
<u>Model Scale</u>	<u>Full Scale</u>								
X _B = 18.371 → 19.306, In.	X _B = 1837.10 → 1930.60, In.								
Dia. = 1.479, In.	Dia. = 147.85, In.								
PS ₂₀	Solid Rocket Booster electrical conduit per model dwg. SS-A01667-12. Located at: <table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_B = 4.424 → 18.577, In.</td> <td>X_B = 442.40 → 1857.70, In.</td> </tr> <tr> <td>φ = 90° LH</td> <td>φ = 90° RH</td> </tr> <tr> <td>180° LH</td> <td>180° LH</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _B = 4.424 → 18.577, In.	X _B = 442.40 → 1857.70, In.	φ = 90° LH	φ = 90° RH	180° LH	180° LH
<u>Model Scale</u>	<u>Full Scale</u>								
X _B = 4.424 → 18.577, In.	X _B = 442.40 → 1857.70, In.								
φ = 90° LH	φ = 90° RH								
180° LH	180° LH								
PS ₂₃	Solid Rocket Booster forward separation motors per model dwg. SS-A01667-42. <table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_B = 2.854 and 2.973, In.</td> <td>X_B = 285.40 and 297.30, In.</td> </tr> <tr> <td>φ = 20° RH</td> <td>φ = 20° RH</td> </tr> <tr> <td>340° LH</td> <td>340° LH</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _B = 2.854 and 2.973, In.	X _B = 285.40 and 297.30, In.	φ = 20° RH	φ = 20° RH	340° LH	340° LH
<u>Model Scale</u>	<u>Full Scale</u>								
X _B = 2.854 and 2.973, In.	X _B = 285.40 and 297.30, In.								
φ = 20° RH	φ = 20° RH								
340° LH	340° LH								

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component*</u>	<u>Definition</u>								
PS ₂₆	Solid Rocket Booster aft attach ring per model dwg. SS-A01667-4 located at: <table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_B = 15.110, In.</td> <td>X_B = 1511.00, In.</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _B = 15.110, In.	X _B = 1511.00, In.				
<u>Model Scale</u>	<u>Full Scale</u>								
X _B = 15.110, In.	X _B = 1511.00, In.								
PS ₂₈	Solid Rocket Booster separation rocket motor fairings per model dwg. SS-A01667-38. Located on SRB skirt aft of rear structural ring at $\phi = 0 \rightarrow 36^\circ$ RH $324^\circ \rightarrow 360^\circ$ LH .								
PS ₂₉	Solid Rocket Booster tiedown struts located on SRB skirt per model dwg. SS-A01667-30, located at: <table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_B = 18.603 \rightarrow 19.306, In.</td> <td>X_B = 1860.30 \rightarrow 1930.60, In.</td> </tr> <tr> <td>$\phi = 30^\circ, 150^\circ, 210^\circ, 330^\circ$</td> <td>$\phi = 30^\circ, 150^\circ, 210^\circ, 330^\circ$</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _B = 18.603 \rightarrow 19.306, In.	X _B = 1860.30 \rightarrow 1930.60, In.	$\phi = 30^\circ, 150^\circ, 210^\circ, 330^\circ$	$\phi = 30^\circ, 150^\circ, 210^\circ, 330^\circ$		
<u>Model Scale</u>	<u>Full Scale</u>								
X _B = 18.603 \rightarrow 19.306, In.	X _B = 1860.30 \rightarrow 1930.60, In.								
$\phi = 30^\circ, 150^\circ, 210^\circ, 330^\circ$	$\phi = 30^\circ, 150^\circ, 210^\circ, 330^\circ$								
PS ₃₀	Solid Rocket Booster auxiliary power unit exhaust outlets per model dwg. SS-A01667-36, located at: <table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_B = 19.306, In.</td> <td>X_B = 1930.60, In.</td> </tr> <tr> <td>$\phi = 30^\circ 30'$ RH</td> <td>$\phi = 30^\circ 30'$ RH</td> </tr> <tr> <td>= 329° 30' LH</td> <td>= 329° 30' LH</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _B = 19.306, In.	X _B = 1930.60, In.	$\phi = 30^\circ 30'$ RH	$\phi = 30^\circ 30'$ RH	= 329° 30' LH	= 329° 30' LH
<u>Model Scale</u>	<u>Full Scale</u>								
X _B = 19.306, In.	X _B = 1930.60, In.								
$\phi = 30^\circ 30'$ RH	$\phi = 30^\circ 30'$ RH								
= 329° 30' LH	= 329° 30' LH								

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>								
PS ₃₁	Solid Rocket Booster command antenna per model dwg. SS-A01667-28, located at: <table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_B = 4.026 → 4.526, In.</td> <td>X_B = 402.60 → 452.60, In.</td> </tr> <tr> <td>ϕ = 0° & 180°</td> <td>ϕ = 0° & 180°</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _B = 4.026 → 4.526, In.	X _B = 402.60 → 452.60, In.	ϕ = 0° & 180°	ϕ = 0° & 180°		
<u>Model Scale</u>	<u>Full Scale</u>								
X _B = 4.026 → 4.526, In.	X _B = 402.60 → 452.60, In.								
ϕ = 0° & 180°	ϕ = 0° & 180°								
PS ₃₂	Solid Rocket Booster data capsule and camera per model dwg. SS-A01667-26, located at: <table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_B = 4.017 - 4.402, In.</td> <td>X_B = 401.70 - 440.20, In.</td> </tr> <tr> <td>ϕ = 90° RH</td> <td>ϕ = 90° RH</td> </tr> <tr> <td>= 270° LH</td> <td>= 270° LH</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _B = 4.017 - 4.402, In.	X _B = 401.70 - 440.20, In.	ϕ = 90° RH	ϕ = 90° RH	= 270° LH	= 270° LH
<u>Model Scale</u>	<u>Full Scale</u>								
X _B = 4.017 - 4.402, In.	X _B = 401.70 - 440.20, In.								
ϕ = 90° RH	ϕ = 90° RH								
= 270° LH	= 270° LH								
PS ₃₃	Solid Rocket Booster 3 intermediate structural rings per model dwg. SS-A01667-8, located at: <table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_B = 16.559, In.</td> <td>X_B = 1655.90, In.</td> </tr> <tr> <td>= 17.319</td> <td>= 1731.90</td> </tr> <tr> <td>= 17.760</td> <td>= 1776.00</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _B = 16.559, In.	X _B = 1655.90, In.	= 17.319	= 1731.90	= 17.760	= 1776.00
<u>Model Scale</u>	<u>Full Scale</u>								
X _B = 16.559, In.	X _B = 1655.90, In.								
= 17.319	= 1731.90								
= 17.760	= 1776.00								

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>								
PS ₃₄	Solid Rocket Booster aft cable housing per model dwg. SS-A01667-12, located at: <table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_B = 4.726 → 18.554, In.</td> <td>X_B = 472.60 → 1855.40, In.</td> </tr> <tr> <td>φ = 90° RH</td> <td>φ = 90° RH</td> </tr> <tr> <td>= 180° LH</td> <td>= 180° LH</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _B = 4.726 → 18.554, In.	X _B = 472.60 → 1855.40, In.	φ = 90° RH	φ = 90° RH	= 180° LH	= 180° LH
<u>Model Scale</u>	<u>Full Scale</u>								
X _B = 4.726 → 18.554, In.	X _B = 472.60 → 1855.40, In.								
φ = 90° RH	φ = 90° RH								
= 180° LH	= 180° LH								
PS ₃₅	Solid Rocket Booster aft structural ring per model dwg. SS-A01667-8, located at: <table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_B = 18.371, In.</td> <td>X_B = 1837.10, In.</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _B = 18.371, In.	X _B = 1837.10, In.				
<u>Model Scale</u>	<u>Full Scale</u>								
X _B = 18.371, In.	X _B = 1837.10, In.								
PS ₃₆	Solid Rocket Booster aft separation motors located on aft SRB skirts per model dwg. SS-A01667-38. Located aft of SRB rear structural ring at φ = 0 → 36° RH = 324° → 360° LH.								

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: LO_2 RECIRCULATION LINE - PT₂₃
 GENERAL DESCRIPTION: LO_2 recirculation line on right-hand upper side
 of T₃₅.
 MODEL SCALE: 0.010 MODEL DRAWING: SS-A01668
 DRAWING NO.: VL78-000063, VL78-000062B, Martin Marietta 82600207000,
 VC78-000002

DIMENSIONS:		<u>FULL SCALE-In.</u>	<u>MODEL SCALE-In.</u>
Leading edge at:	X _T	1040.667	10.407
	Y _T	94.169	0.942
	Z _T	540.934	5.409
Trailing edge at:	X _T	2062.920	20.629
	Y _T	70.000	0.700
	Z _T	573.934	5.739
Diameter of line		4.0	0.040
Centerline of lines located radially at $\phi = 33^{\circ}45'$ (Right of TDC looking forward).			

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ELECTRICAL LINE - PT₂₅

GENERAL DESCRIPTION: Right-hand aft electrical conduit line on T₃₅ with LH₂ pressure sensor line and IO₂ vent valve actuator line.

MODEL SCALE: 0.010 MODEL DRAWING: SS-A01668

DRAWING NO.: VL78-000063, VL78-000062B, Martin-Marietta 82600207000,
VC78-000002

DIMENSIONS:		<u>FULL SCALE-In.</u>	<u>MODEL SCALE-In.</u>
Leading edge at:	X _T	1084.333	10.843
	Y _T	99.591	0.996
	Z _T	139.620	1.396
Trailing edge at:	X _T	2058.00	20.580
	Y _T	99.591	0.996
	Z _T	139.620	1.396
Conduit size		2.0 x 6.0	0.02 x 0.06
Centerline of line located radially at $\phi = 37.5^\circ$			

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: LO₂ PRESSURE LINE - PT₂₆

GENERAL DESCRIPTION: LO₂ Pressure line on the T₃₅.

MODEL SCALE: 0.010

MODEL DRAWING: SS-A01668

DRAWING NO.: VL78-000063, VL78-000062B, Martin-Marietta 82600207000,
VC78-000002

DIMENSIONS:		<u>FULL SCALE-In.</u>	<u>MODEL SCALE-In.</u>
Leading edge at:	X _T	360.733	3.607
	Y _T	15.145	0.151
	Z _T	407.718	4.077
Trailing edge at:	X _T	2083.5	20.835
	Y _T	63.25	0.633
	Z _T	609.00	6.090
Centerline of line located radially at $\phi = 31^{\circ}30'$			
Line Diameter		2.00	0.020

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>						
PT ₂₉	External Tank fwd. electrical conduit per model dwg. SS-A01667-6. Located at:						
	<table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_{TP} = 3.607 → 8.600, In.</td> <td>X_{TP} = 360.73 → 860.00, In.</td> </tr> <tr> <td>ϕ = Adjacent to PT₂₆</td> <td>ϕ = Adjacent to PT₂₆</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _{TP} = 3.607 → 8.600, In.	X _{TP} = 360.73 → 860.00, In.	ϕ = Adjacent to PT ₂₆	ϕ = Adjacent to PT ₂₆
<u>Model Scale</u>	<u>Full Scale</u>						
X _{TP} = 3.607 → 8.600, In.	X _{TP} = 360.73 → 860.00, In.						
ϕ = Adjacent to PT ₂₆	ϕ = Adjacent to PT ₂₆						
PT ₃₃	External Tank LH ₂ pressure line per model dwg. SS-A01668-9. Located at:						
	<table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_{TP} = 10.600 → 20.580, In.</td> <td>X_{TP} = 1060.00 → 2058.00, In.</td> </tr> <tr> <td>ϕ = 330°0'</td> <td>ϕ = 330°0'</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _{TP} = 10.600 → 20.580, In.	X _{TP} = 1060.00 → 2058.00, In.	ϕ = 330°0'	ϕ = 330°0'
<u>Model Scale</u>	<u>Full Scale</u>						
X _{TP} = 10.600 → 20.580, In.	X _{TP} = 1060.00 → 2058.00, In.						
ϕ = 330°0'	ϕ = 330°0'						
PT ₃₉	External Tank nose probe per model dwg. SS-A01668-5. Located at:						
	<table border="0"> <thead> <tr> <th><u>Model Scale</u></th> <th><u>Full Scale</u></th> </tr> </thead> <tbody> <tr> <td>X_{TP} = 3.225 → 3.413, In.</td> <td>X_{TP} = 322.5 → 341.3, In.</td> </tr> <tr> <td>Max. Dia. = .069 in.</td> <td>Max. Dia. = 6.90 in.</td> </tr> </tbody> </table>	<u>Model Scale</u>	<u>Full Scale</u>	X _{TP} = 3.225 → 3.413, In.	X _{TP} = 322.5 → 341.3, In.	Max. Dia. = .069 in.	Max. Dia. = 6.90 in.
<u>Model Scale</u>	<u>Full Scale</u>						
X _{TP} = 3.225 → 3.413, In.	X _{TP} = 322.5 → 341.3, In.						
Max. Dia. = .069 in.	Max. Dia. = 6.90 in.						

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: RUDDER - R₅

GENERAL DESCRIPTION: 2A, 3, and 3A Configurations.

MODEL SCALE: 0.010

MODEL DRAWING: SS-A01317

DRAWING NUMBER: VL70-000095

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
*Area - Ft ²	100.15	0.0100
Span (equivalent), In.	201.00	2.010
Inb'd equivalent chord, In.	91.585	0.916
Outb'd equivalent chord, In.	50.833	0.508
Ratio movable surface chord/ total surface chord		
At inb'd equiv. chord	0.400	0.400
At outb'd equiv. chord	0.400	0.400
Sweep Back Angles, degrees		
Leading Edge	34.83	34.83
Trailing Edge	26.25	26.25
Hingeline	34.83	34.83
*Area Moment (Product of area & \bar{c}), Ft ³	610.92	0.000611
*Mean Aerodynamic Chord, In.	73.2	0.732

TABLE III. MODEL DIMENSIONAL DATA (Continued)

<u>Component</u>	<u>Definition</u>		
S ₂₄	Solid Rocket Booster per model dwg. SS-A01667.		
		<u>Model Scale</u>	<u>Full Scale</u>
	Length, in.	17.896	1789.55
	SRB Dia., in.	14.599	145.99
	Nozzle Dia., In.	14.785	147.85
	Shroud Dia., in.	2.082	208.20
	W.P. SRB \bar{Q} , Z_T	4.000	400.00
SRB Nose, X_T	7.470	747.00	
T ₃₅	External Oxygen - Hydrogen Tank per model dwg. SS-A01666.		
		<u>Model Scale</u>	<u>Full Scale</u>
	Length, in.	18.526	1852.60
	ET, Dia., in.	3.317	331.69
	ET Nose, X_T	3.225	322.50
W.P. ET \bar{Q} , Z_T	4.000	400.00	

TABLE III. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: VERTICAL - V₈

GENERAL DESCRIPTION: Configuration 140C orbiter vertical tail
(identical to configuration 140A/B vertical tail).

MODEL SCALE: 0.010

MODEL DRAWING: SS-A01396

DRAWING NUMBER: VL70-000140C, VL70-000146B

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
TOTAL DATA		
Area (Theo) - Ft ²		
Planform	413.253	0.0413
Span (Theo) - In.	315.72	3.157
Aspect Ratio	1.675	1.675
Rate of Taper	0.507	0.507
Taper Ratio	0.404	0.404
Sweep-Back Angles, Degrees		
Leading Edge	45.000	45.000
Trailing Edge	26.25	26.25
0.25 Element Line	41.13	41.13
Chords:		
Root (Theo) WP	268.50	2.685
Tip (Theo) WP	108.47	1.085
MAC	199.81	1.998
Fus. Sta. of .25 MAC	1463.35	14.634
W.P. of .25 MAC	635.52	6.355
B.L. of .25 MAC	0.00	0.00
Airfoil Section		
Leading Wedge Angle - Deg.	10.00	10.00
Trailing Wedge Angle - Deg.	14.92	14.92
Leading Edge Radius	2.00	0.020
Void Area	13.17	0.0013
Blanketed Area	0.00	0.00

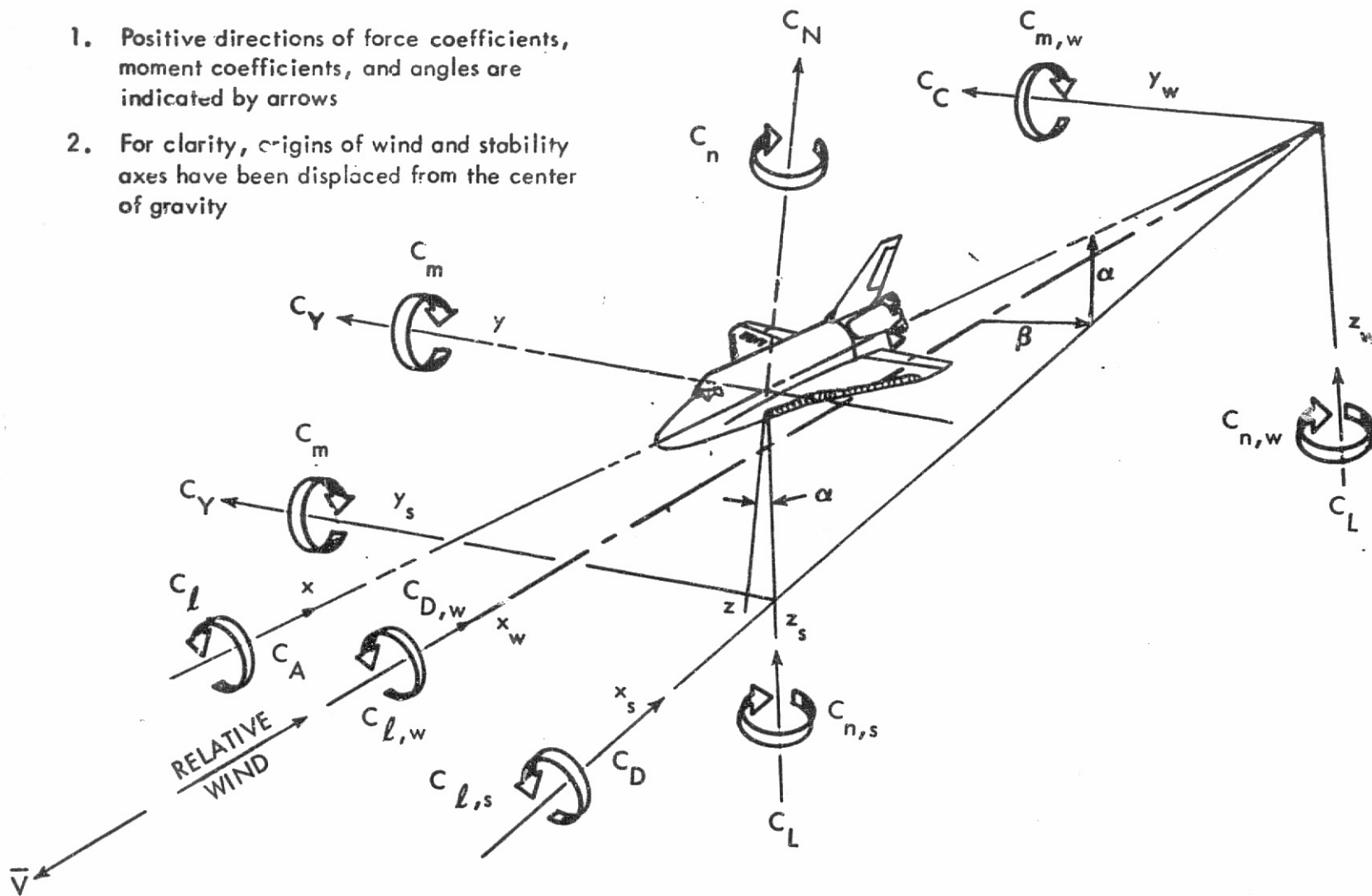
TABLE III. MODEL DIMENSIONAL DATA (Concluded)

MODEL COMPONENT: WING-W127
 GENERAL DESCRIPTION: Configuration 140C, orbiter wing, MCR 200-R4, similar to 140A/B wing W116 but with refinements: improved wing-boot-midbody fairing ($X_0 = 940$ to $X_0 = 1040$); elevon split line relocated from $Y_0 = 281$ to $Y_0 = 312.5$. MODEL SCALE: 0.010 DWG. NO: VL70-000140C, -000200B

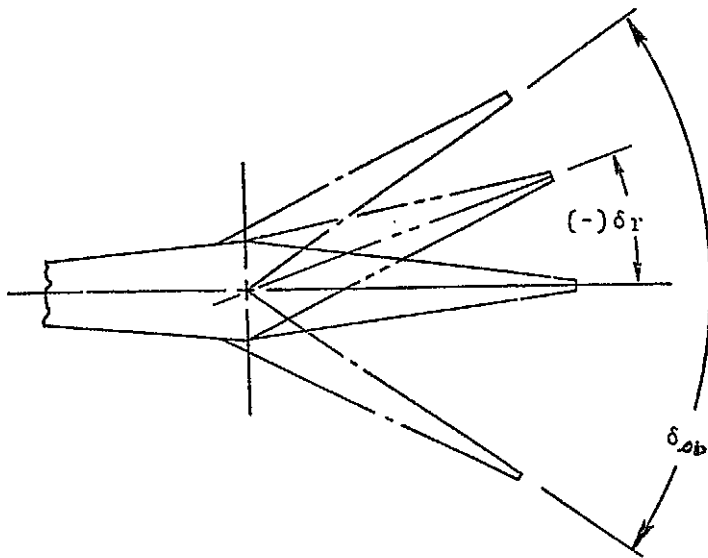
DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
<u>TOTAL DATA</u>		
Area (Theo.) Ft ²	2690.00	0.2690
Planform	936.68	9.3668
Span (Theo) In.	2.265	2.265
Aspect Ratio	1.177	1.177
Rate of Taper	0.200	0.200
Taper Ratio	3.500	3.500
Dihedral Angle, degrees	0.500	0.500
Incidence Angle, degrees	3.000	3.000
Aerodynamic Twist, degrees		
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	- 10.056	- 10.056
0.25 Element Line	35.209	35.209
Chords:		
Root (Theo) B.P.O.O.	689.24	6.892
Tip (Theo) P.P.	137.85	1.379
MAC	474.81	4.748
Fus. Sta. of .25 MAC	1136.83	11.368
W.P. of .25 MAC	290.58	2.906
B.L. of .25 MAC	182.13	1.821
<u>EXPOSED DATA</u>		
Area (Theo) Ft ²	1751.50	0.1752
Span (Theo) In. BP108	720.68	7.207
Aspect Ratio	2.059	2.059
Taper Ratio	0.245	0.245
Chords		
Root BP108	562.09	5.621
Tip 1.00 b/2	137.85	1.379
MAC	392.83	3.928
Fus. Sta. of .25 MAC	1185.98	11.860
W.P. of .25 MAC	294.30	2.943
B.L. of .25 MAC	251.77	2.518
Airfoil Section (Rockwell Mod NASA)XXXX-64		
Root b/2	0.113	0.113
Tip b/2	0.12	0.12
Data for (1) of (2) Sides		
Leading Edge Cuff		
Planform Area Ft ²	113.18	0.01132
Leading Edge Intersects Fus M.L. @ Sta	500.00	5.000
Leading Edge Intersects Wing @ Sta	1024.00	10.240

Notes:

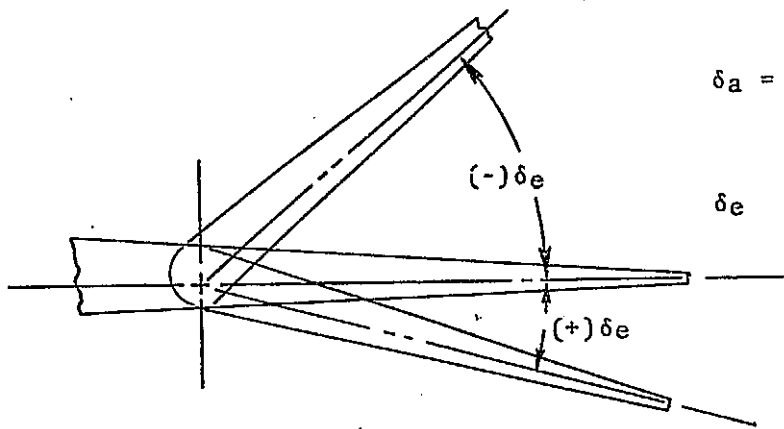
1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity



a. General
Figure 1. Axis Systems.



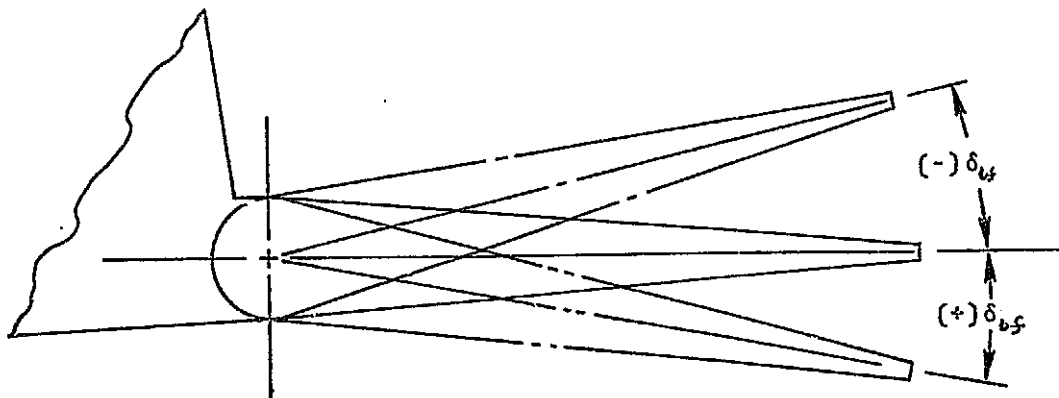
Rudder and
Speed Brake
Deflections



$$\delta_a = \frac{\delta e_L - \delta e_R}{2}$$

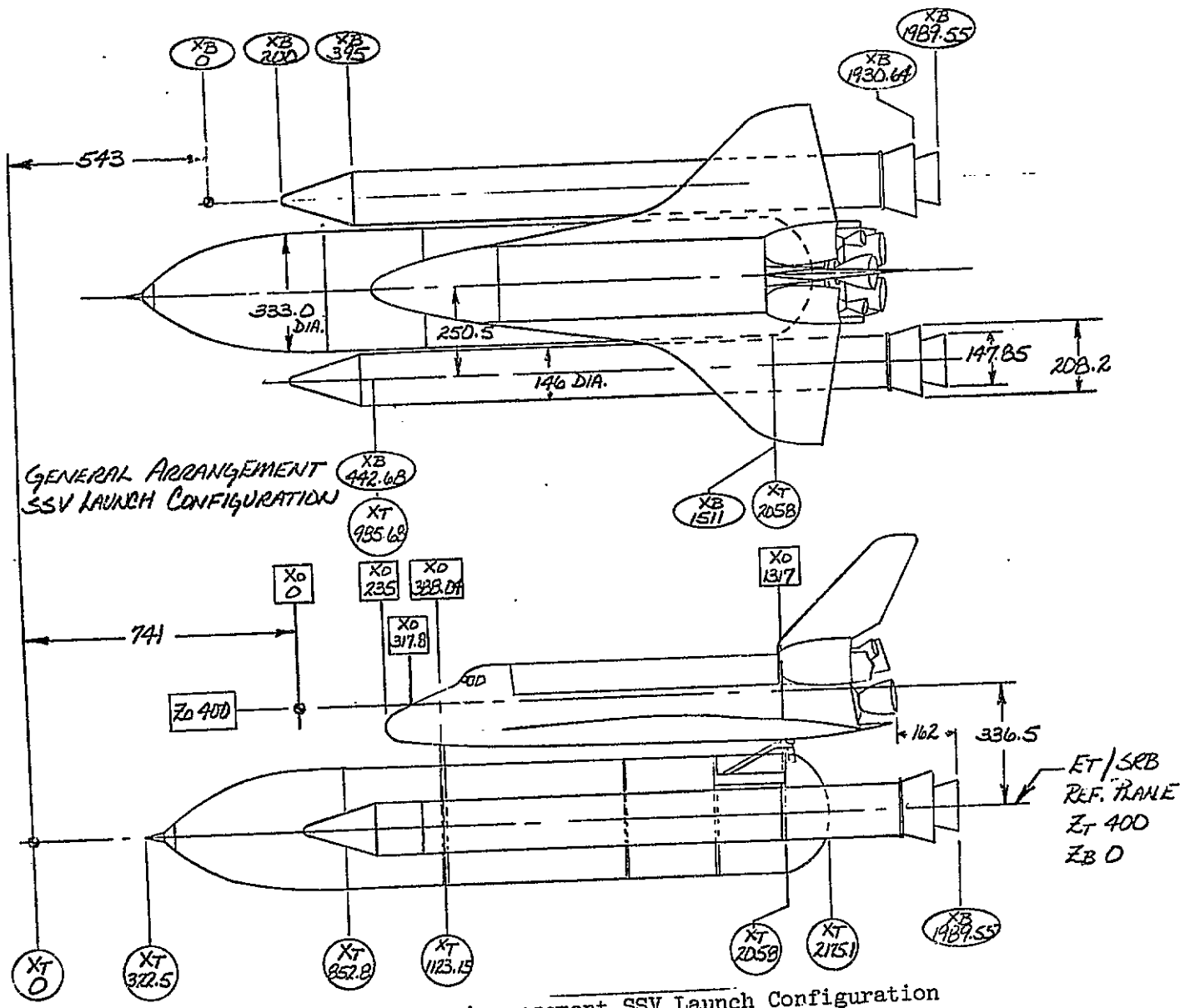
$$\delta_e = \frac{\delta e_L + \delta e_R}{2}$$

Aileron & Elevon Deflections

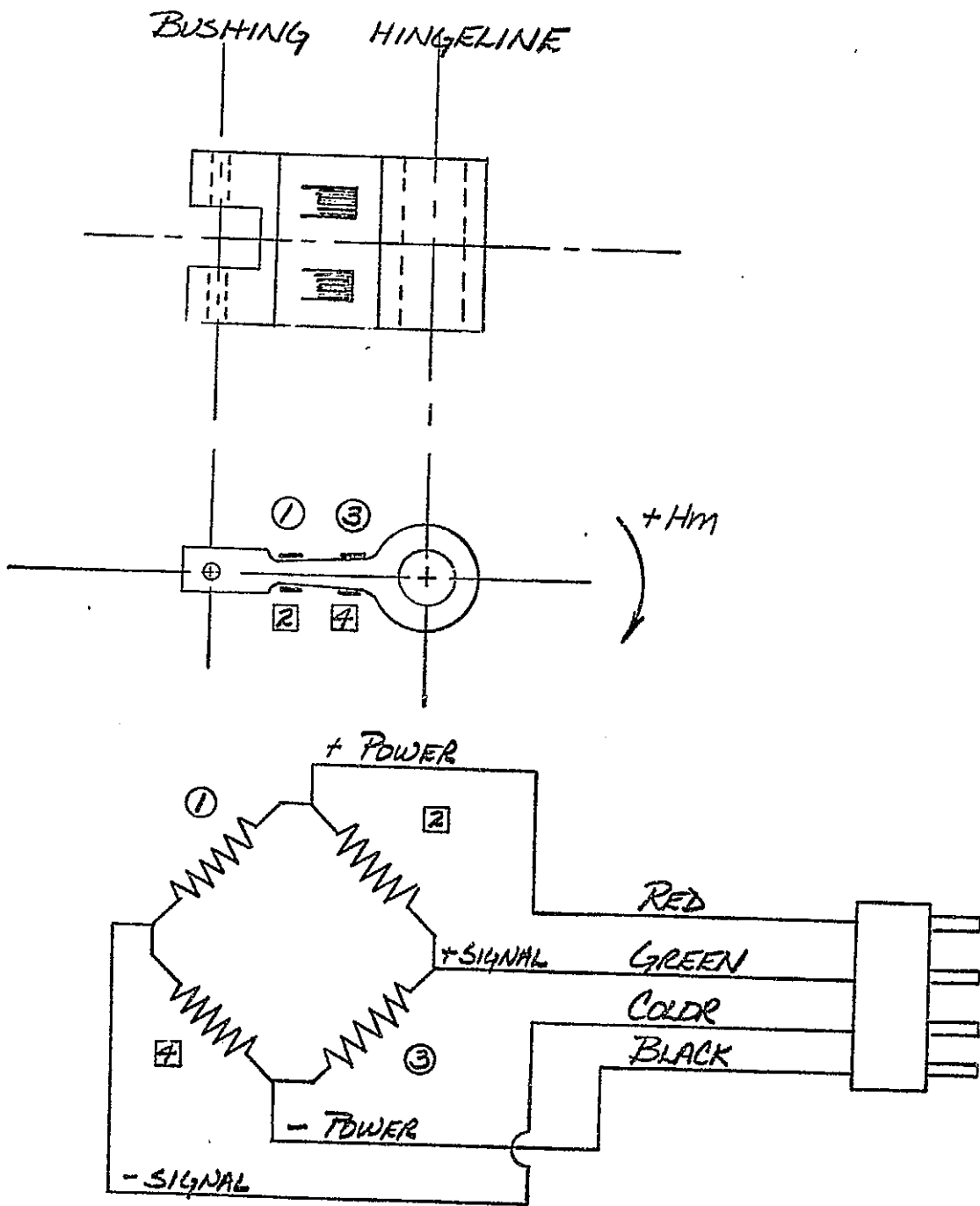


Body Flap Deflections

b. Control Surfaces
Figure 1. Concluded.



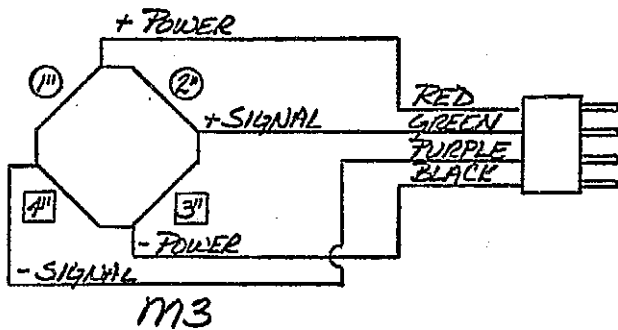
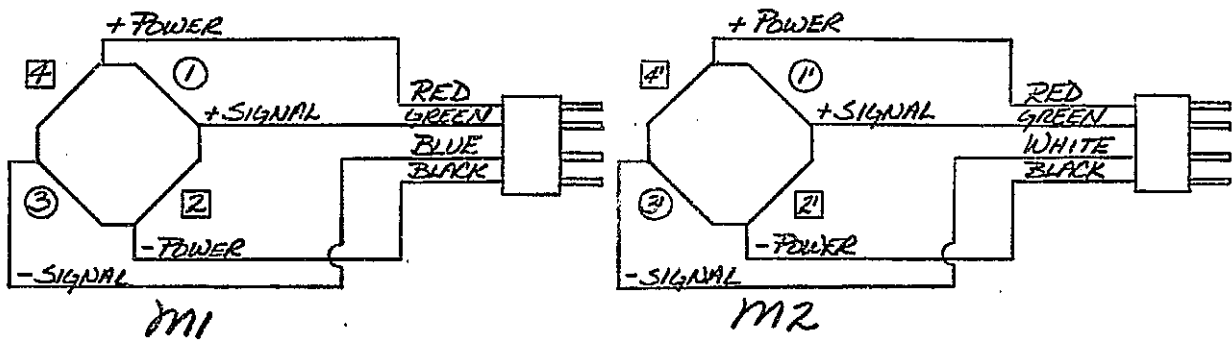
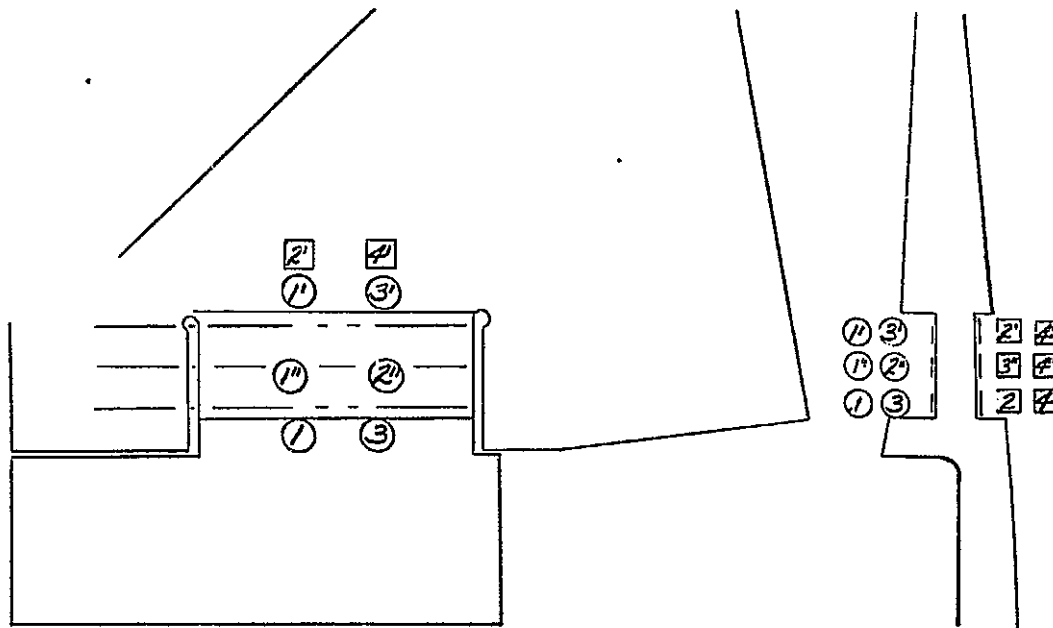
a. General Arrangement SSV Launch Configuration
Figure 2. Model sketches.



COLOR CODE
 OUTB'D ELEVON - ORANGE
 INB'D ELEVON - ORANGE & WHITE

b. Typical Elevon Hinge Moment Gage Instrumentation
 Figure 2. Continued.





RIGHT HAND WING PANEL
STRAIN GAGE INSTRUMENTATION

c. Right Hand Wing Panel Strain Gage Instrumentation
Figure 2. Continued.

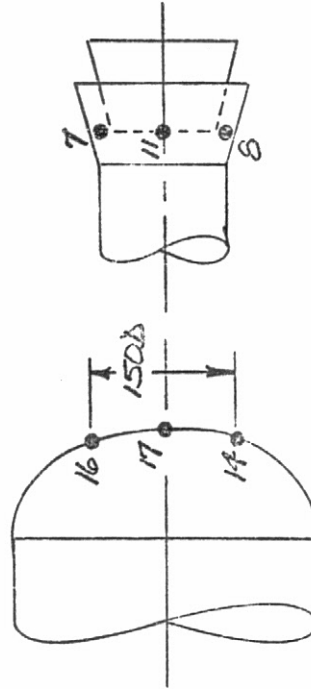
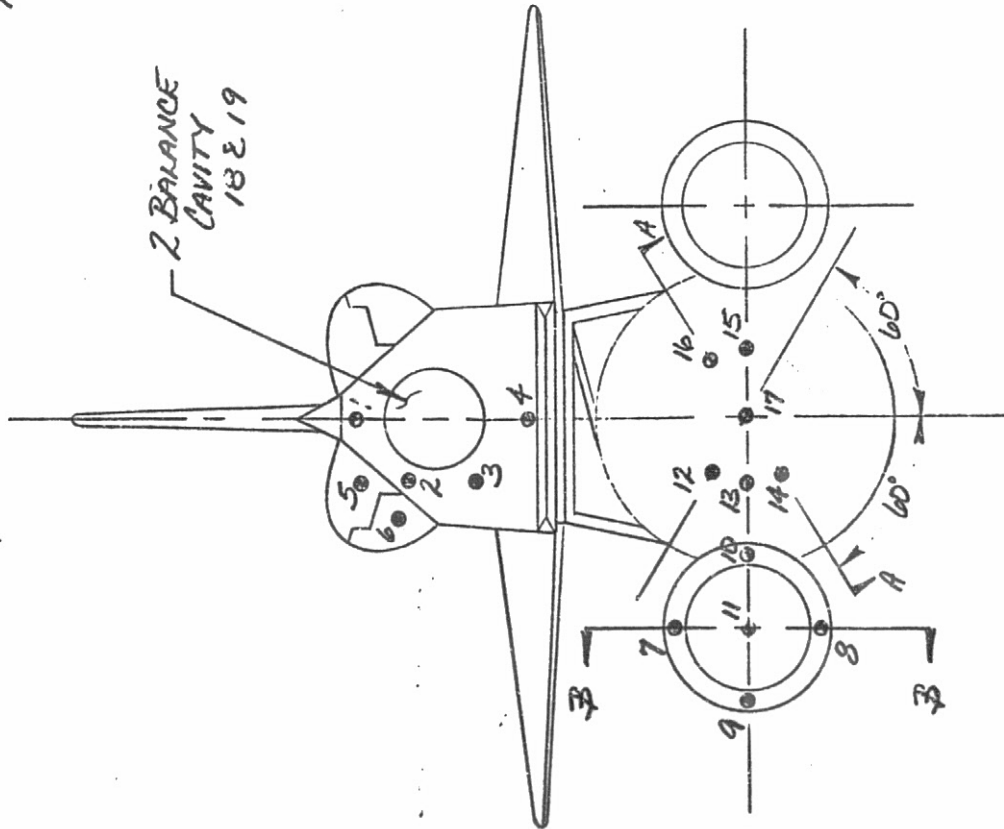
MANIFOLD REQUIREMENTS

ORBITER: (1,2,3), (5,6), 4

SRB : (7,8), (9,10), 11

ET : (12,13,14,15,16), 17

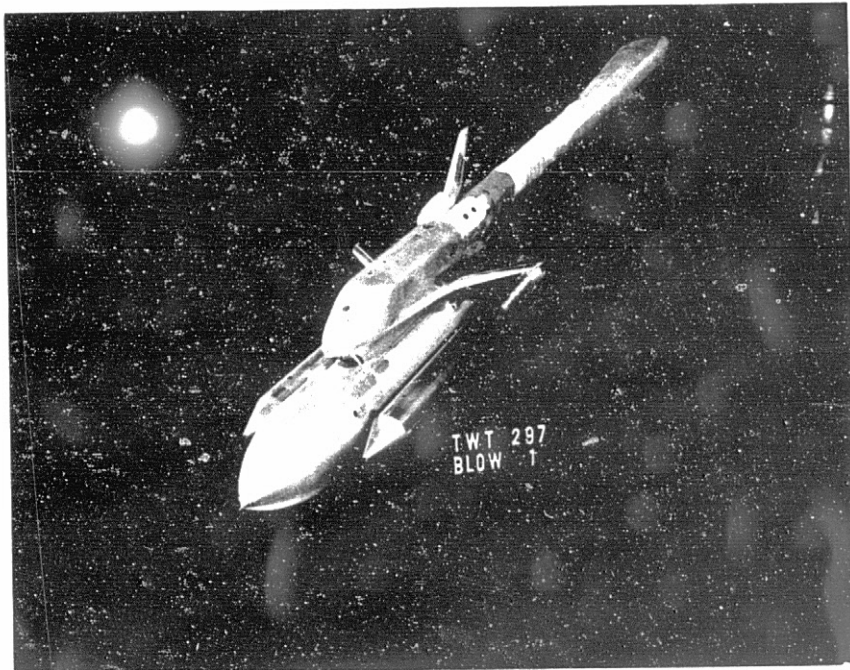
TAP #	X	Y	Z
1		0	550
2		-65	455
3		-111	348
4	FUSELAGE SURFACE	0	301
5		-94	464
6		-127	458



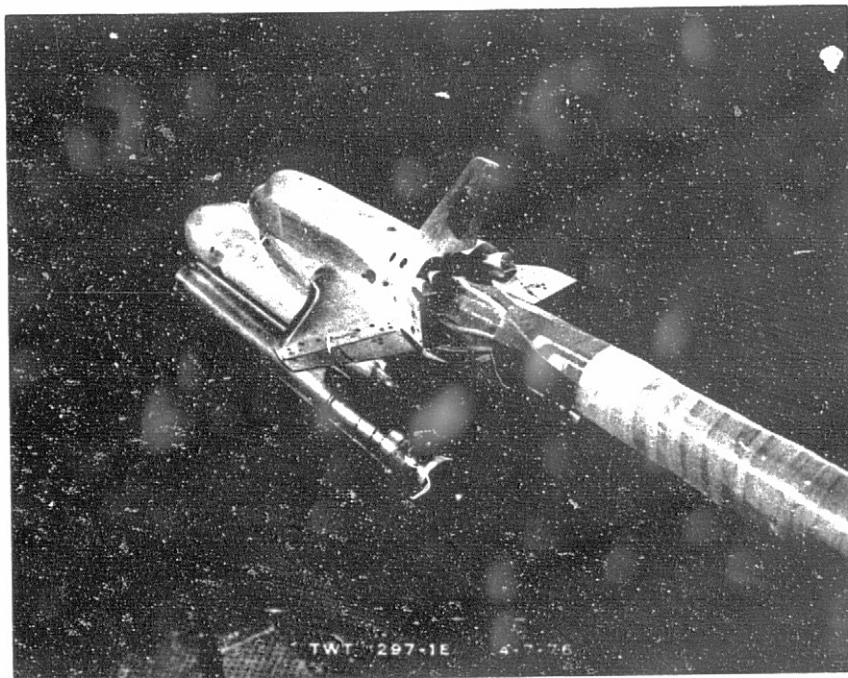
SECTION A-A
(ROTATED 60°)

SECTION B-B

4. 72-0MC Base Pressure Tap Locations
Figure 2. Concluded.



a. Front View. Trisonic Wind Tunnel Installation, Configuration $O_3T_5S_8$



b. Rear View. Trisonic Wind Tunnel Installation. Configuration $O_3T_5S_8$
Figure 3. Model Installation Photographs.



c. Side View, Trisomic Wind Tunnel Installation, Configuration $O_4T_4S_7$

Figure 3. Concluded.

DATA FIGURES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(AFKCO1)	○	1A141 03 T5 S8 NO GRIT
(AFKCO2)	□	1A141 02 T5 S8 .0065 GRIT ON WING

ELV-IL	ELV-IR	BETA	RN/L
.000	.000	.000	7.000
.000	.000	.000	7.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

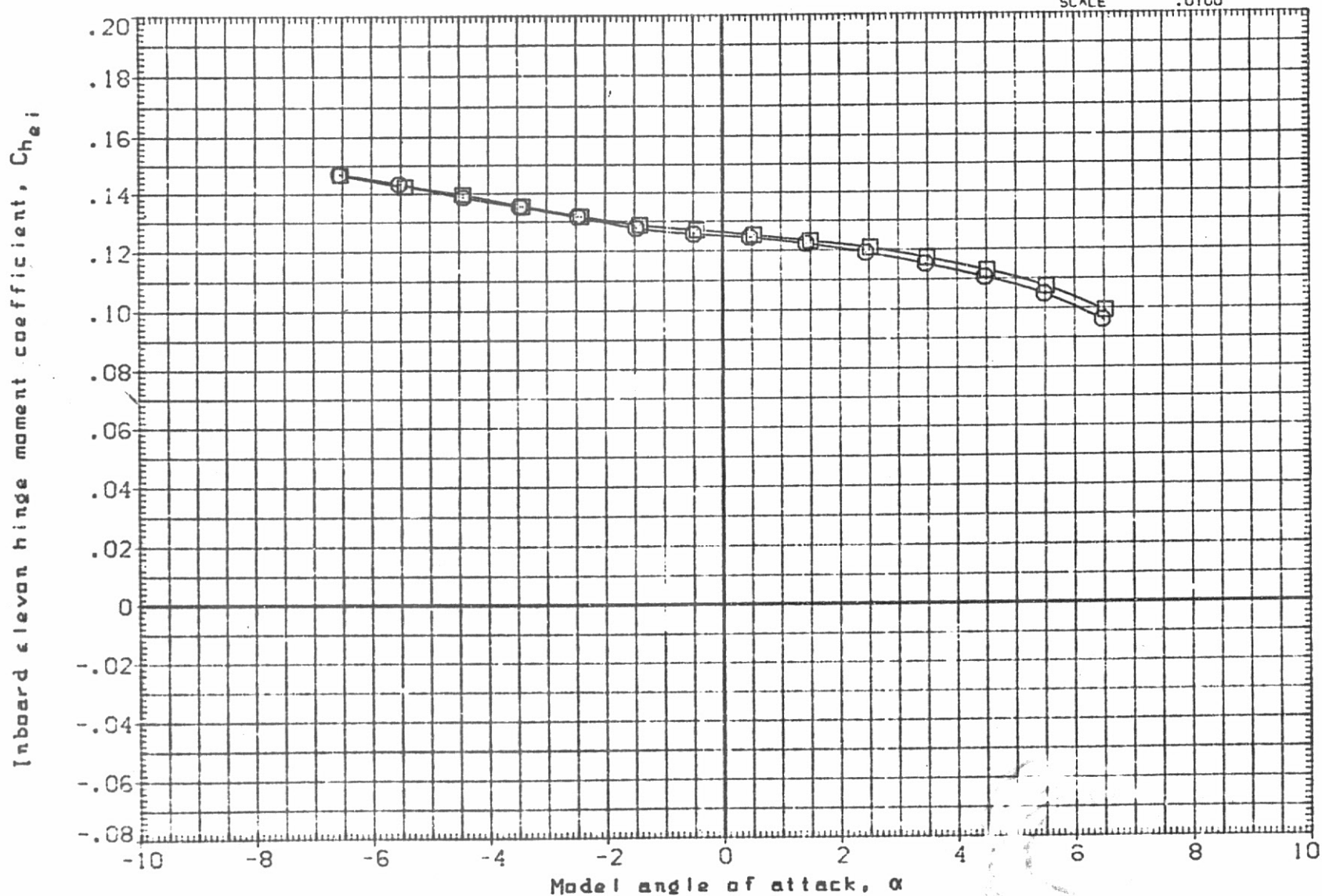


FIG 4 EFFECT OF TRANSITION GRIT. MACH 1.25

(A)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION
(AFK01)	□	IA141 03 T5 S8	NO GRIT
(AFK02)	□	IA141 02 T5 S8	.0065 GRIT ON WING

ELV-IL	ELV-IR	BETA	RN/L
.000	.000	.000	7.000
.000	.000	.000	7.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

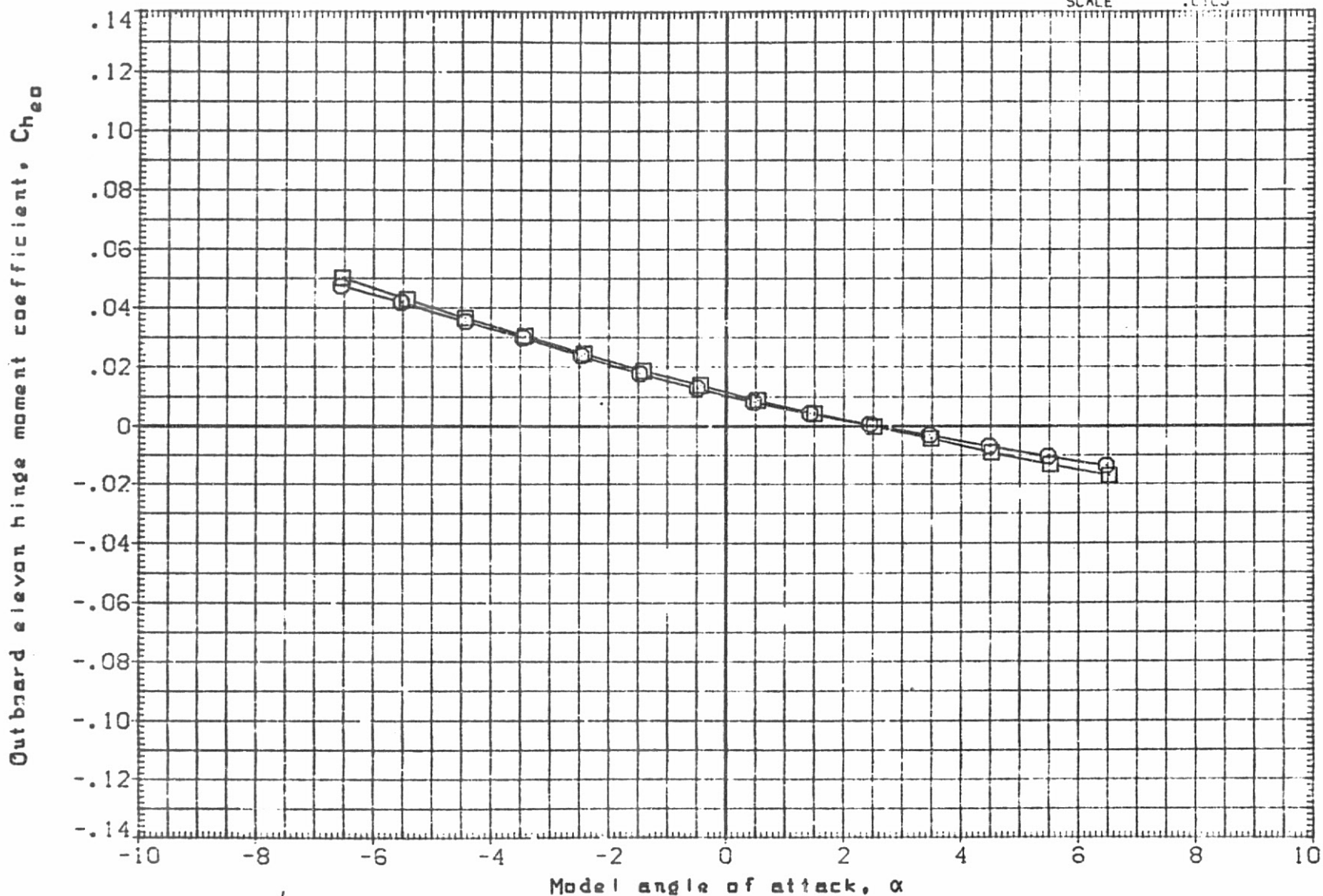


FIG 4 EFFECT OF TRANSITION GRIT, MACH 1.25

(A) MACH = 1.25

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(AFK01)	□	IA141 Q3 T5 S8 NO GRIT
(AFK02)	□	IA141 Q2 T5 S8 .0065 GRIT ON WING

ELV-IL	ELV-IR	BETA	RN/L
.000	.000	.000	7.000
.000	.000	.000	7.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

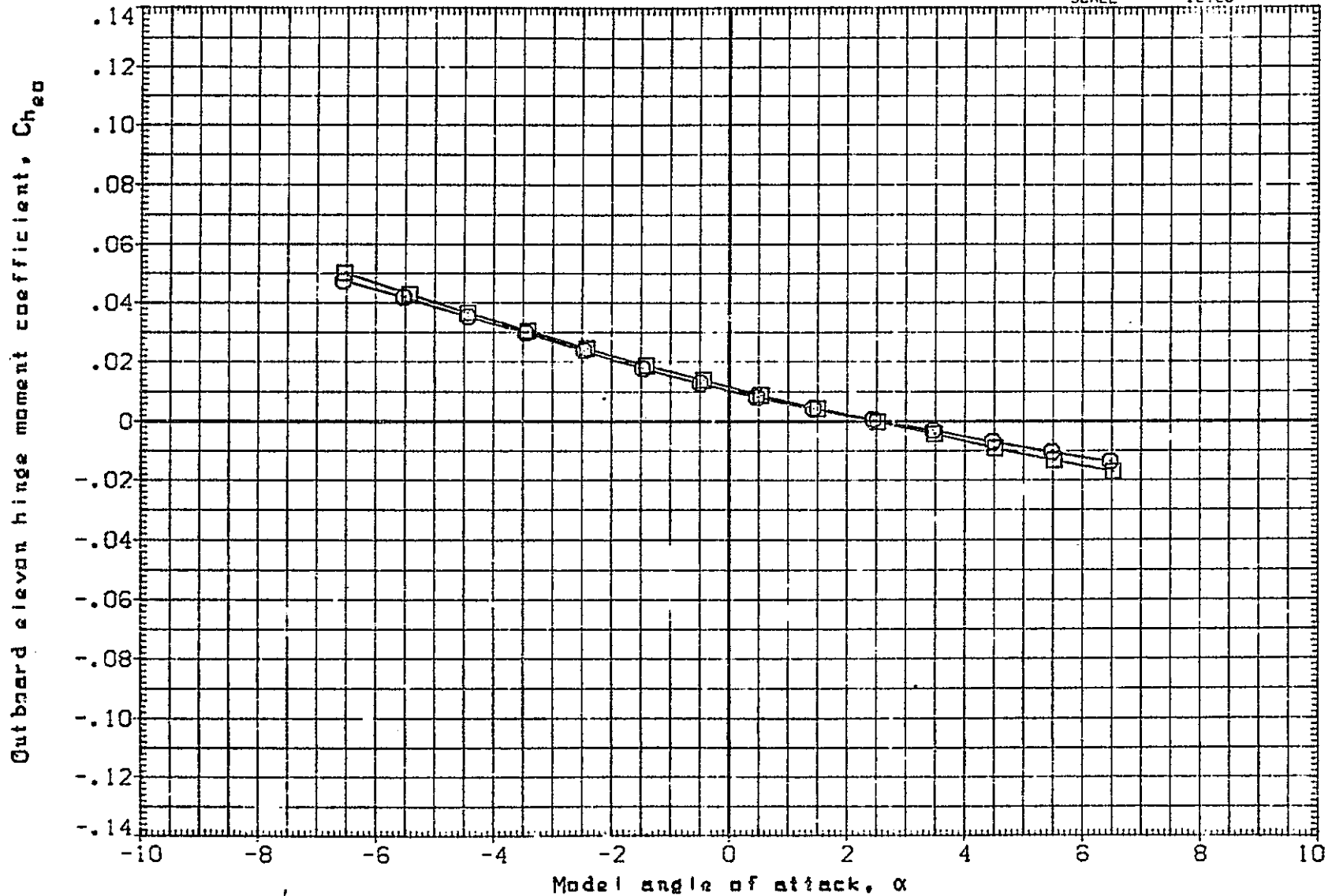


FIG 4 EFFECT OF TRANSITION GRIT, MACH 1.25

(A) MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(AFKCO1)	○	1A141 03 T5 S8 NO GRIT
(AFKCO2)	□	1A141 02 T5 S8 .0065 GRIT ON WING

ELV-IL	ELV-IR	BETA	RN/L
.000	.000	.000	7.000
.000	.000	.000	7.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

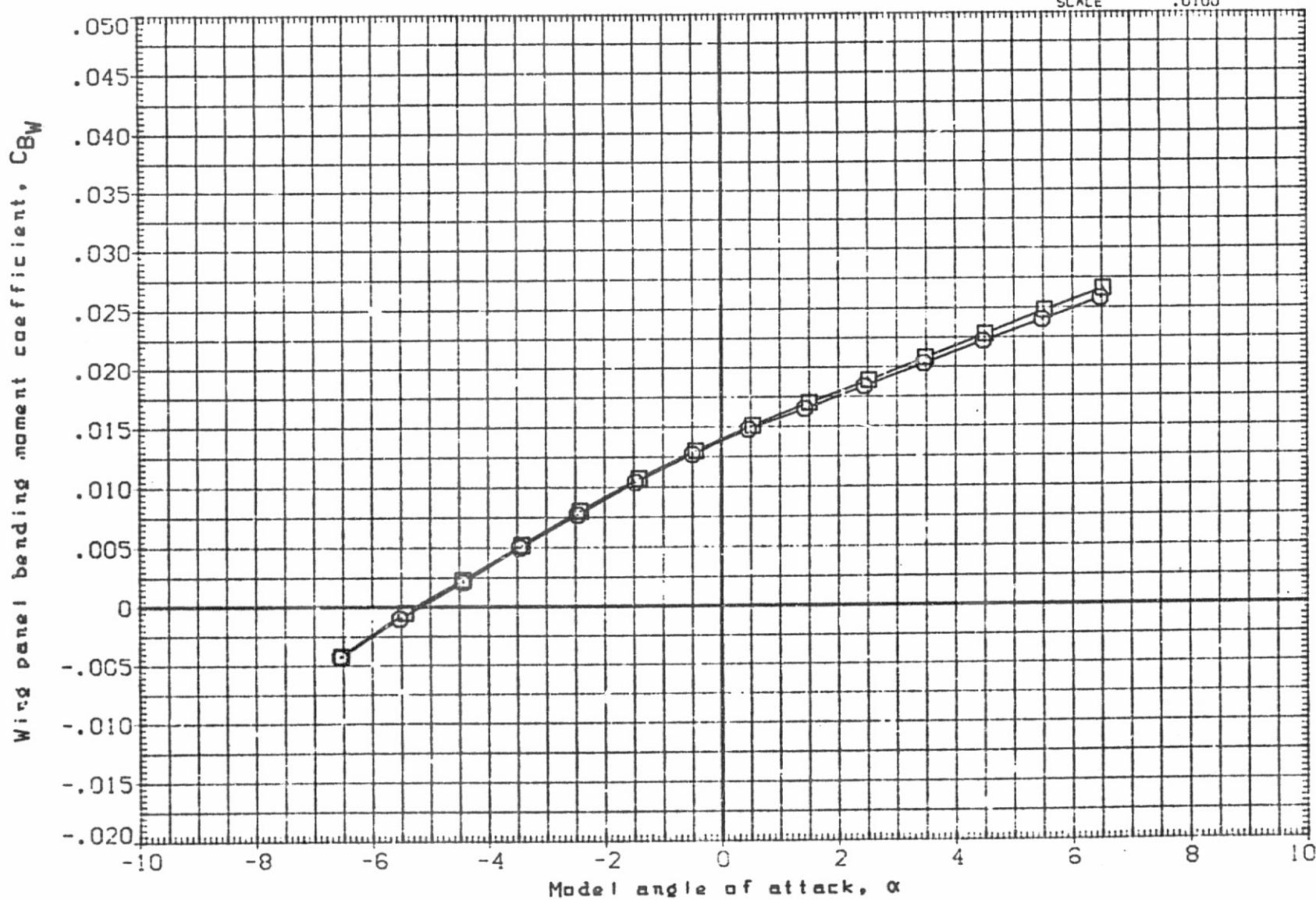


FIG 4 EFFECT OF TRANSITION GRIT. MACH 1.25

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION
(AFK01)	□	1A141 03 T5 S8	NO GRIT
(AFK02)	□	1A141 02 T5 S8	.0065 GRIT ON WING

ELV-IL	ELV-IR	BETA	RN/L
.000	.000	.000	7.000
.000	.000	.000	7.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

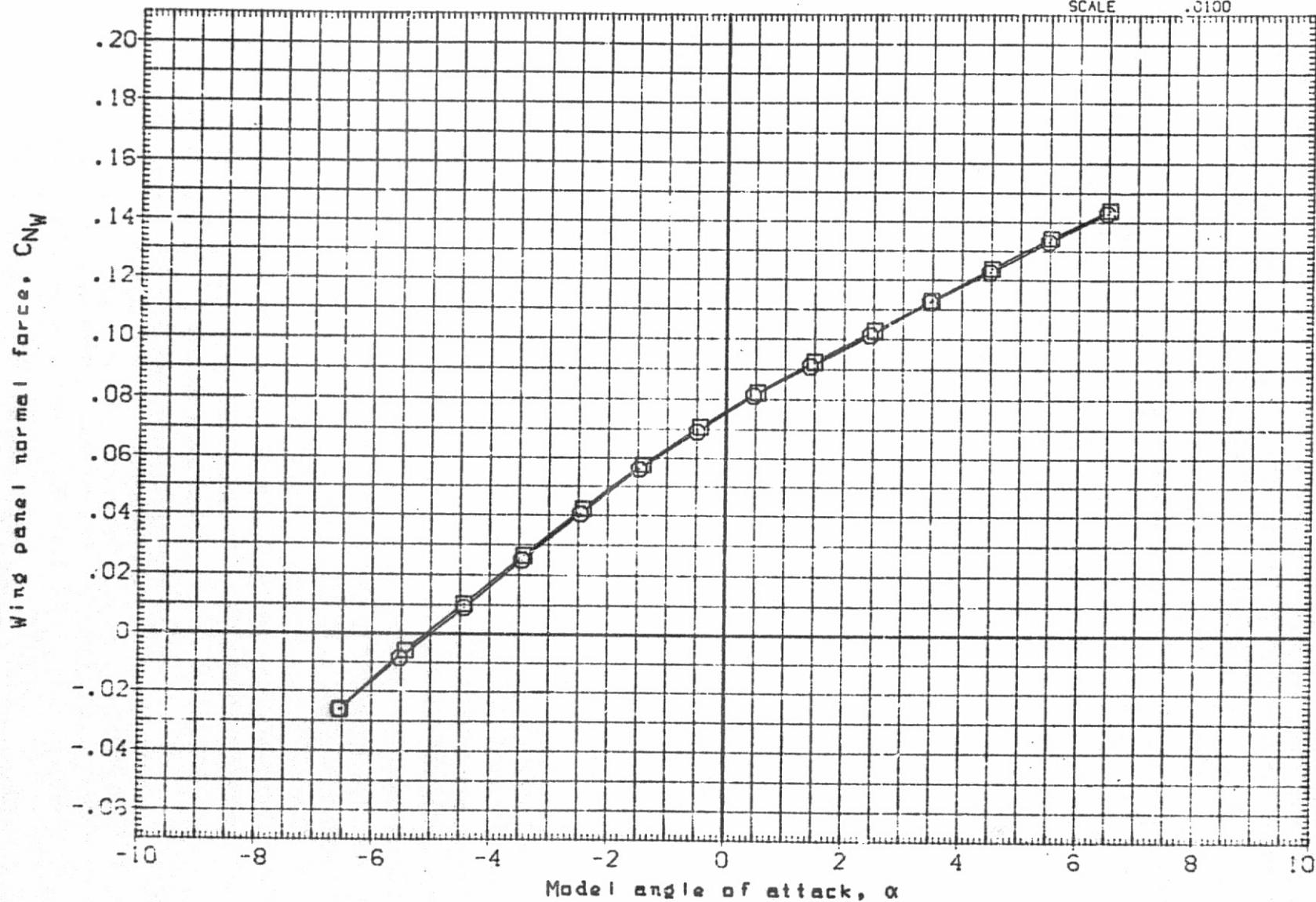


FIG 4 EFFECT OF TRANSITION GRIT, MACH 1.25

(A)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(AFKCO1)	○	1A141 03 T5 S8 NO GRIT
(AFKCO2)	□	1A141 02 T5 S8 .0065 GRIT ON WING

ELV-IL	ELV-IR	BETA	RN/L
.000	.000	.000	7.000
.000	.000	.300	7.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

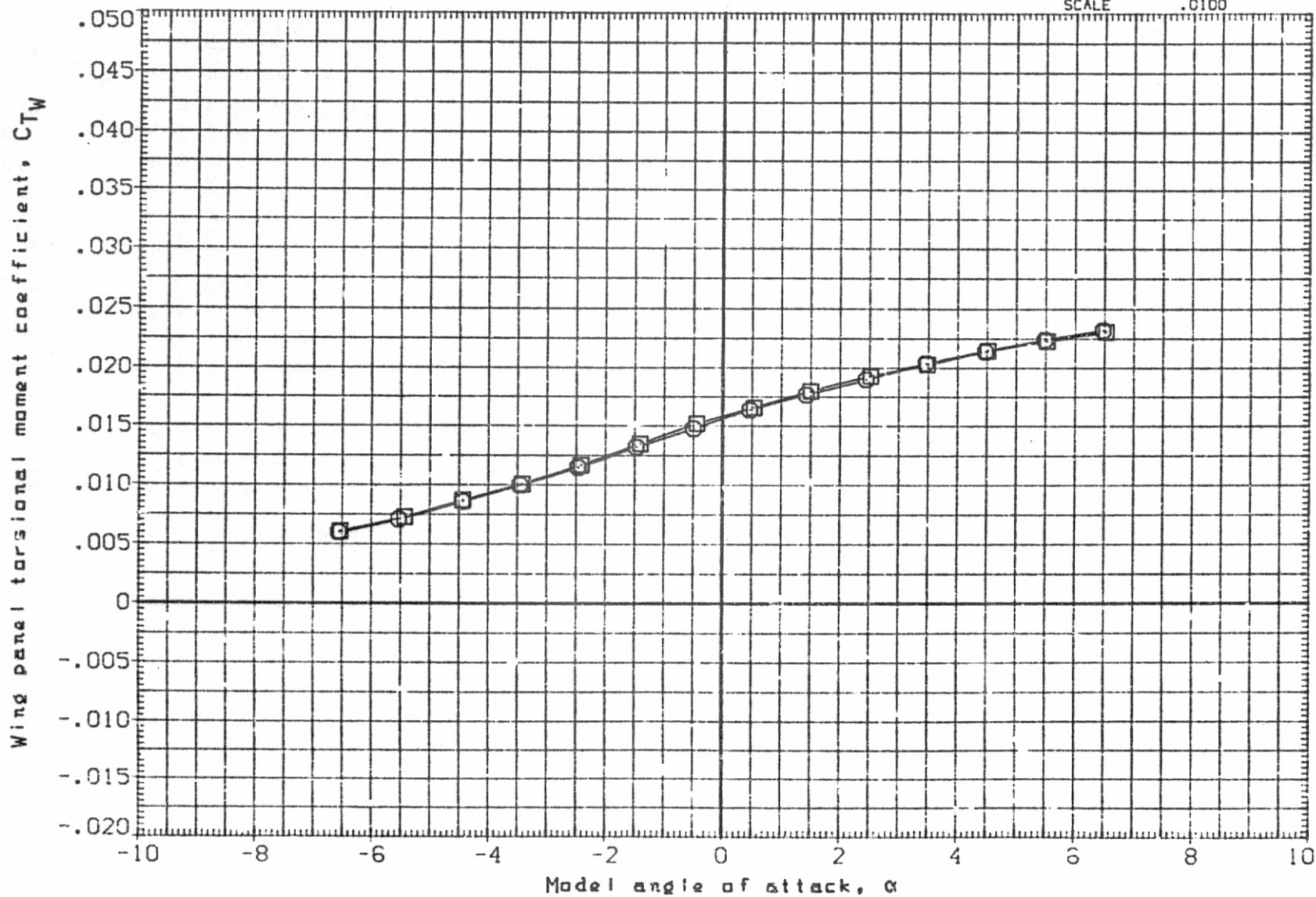


FIG 4 EFFECT OF TRANSITION GRIT, MACH 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(AFKAD1)	□	IA141 03 T5 S8 NO GRIT
(AFKAD2)	□	IA141 02 T5 S8 .0065 GRIT ON WING

ELV-IL	ELV-IR	BETA	RN/L
.000	.000	.000	7.000
.000	.000	.000	7.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	1290.0000 INCHES
BREF	1290.0000 INCHES
XMRP	976.0000 IN. XT
YMRP	.0000 IN. YT
ZMRP	400.0000 IN. ZT
SCALE	.0100

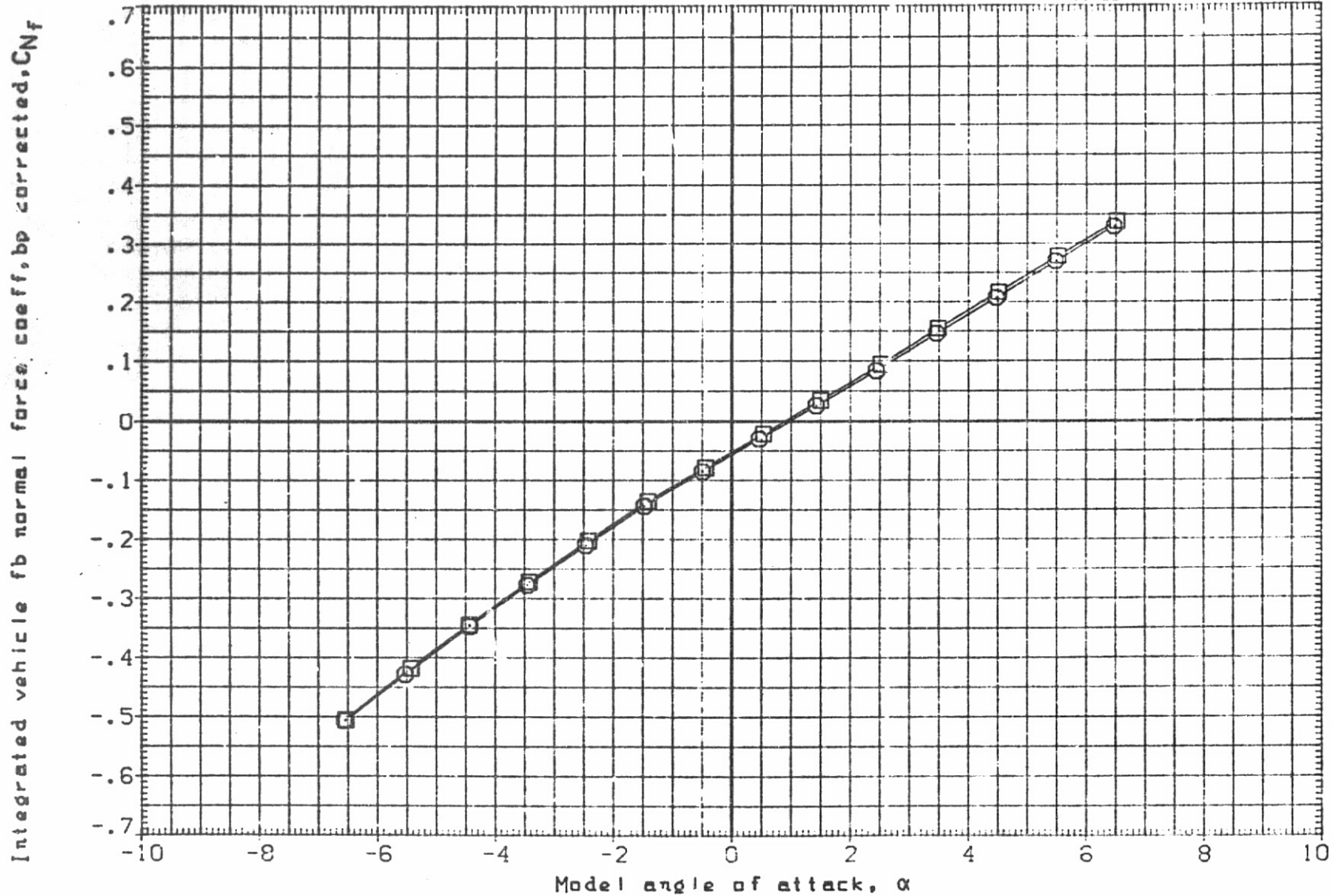


FIG 4 EFFECT OF TRANSITION GRIT, MACH 1.25

(A) MACH = 1.25

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(AFKA01)	○	1A141 03 T5 S8 NO GRIT
(AFKA02)	□	1A141 02 T5 S8 .0065 GRIT ON WING

ELV-IL	ELV-IR	BETA	RN/L
.000	.000	.000	7.000
.000	.000	.000	7.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
SREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

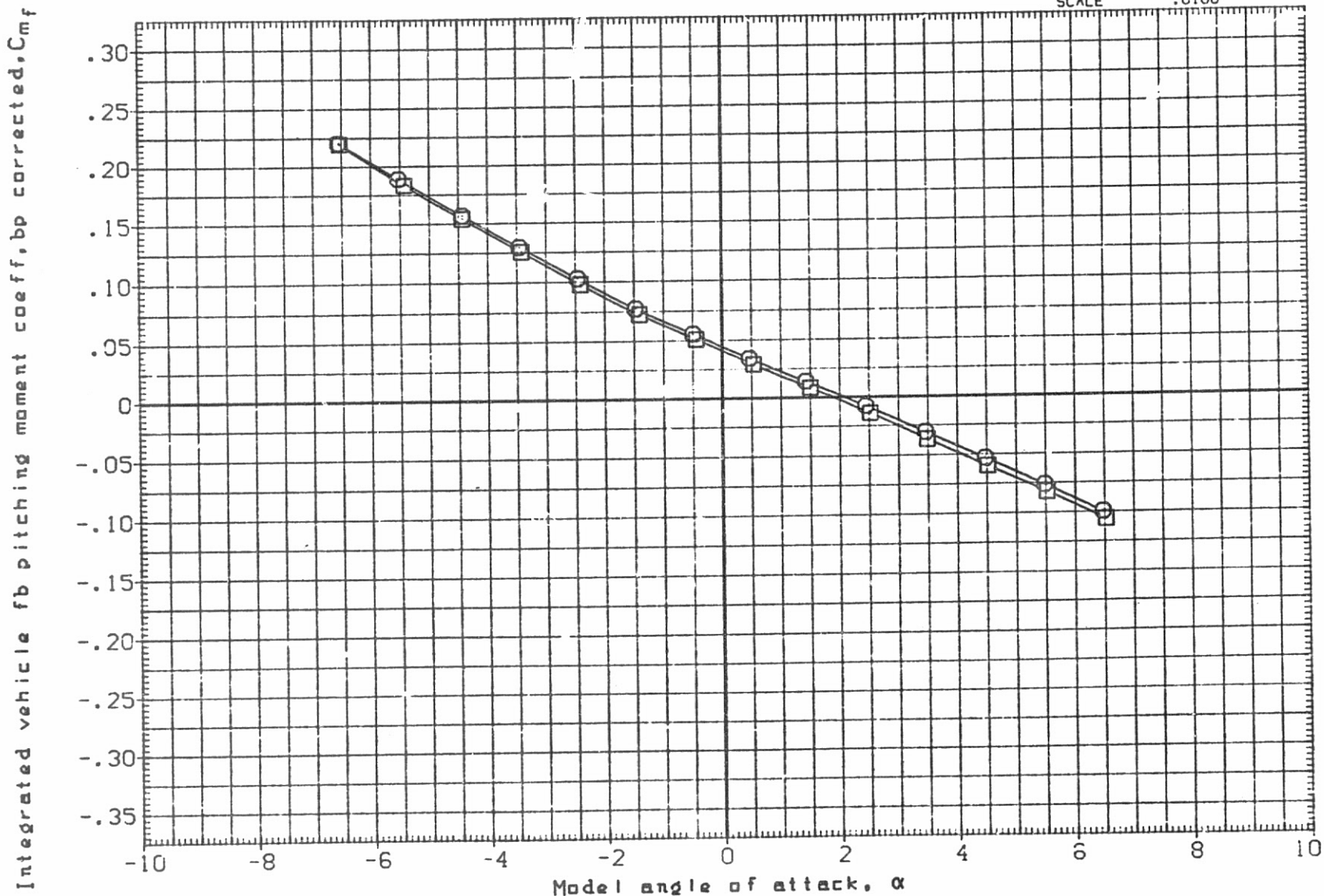


FIG 4 EFFECT OF TRANSITION GRIT, MACH 1.25

(A)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(AFKA01)	○	1A141 03 T5 S8 NO GRIT
(AFKA02)	□	1A141 02 T5 S8 .0065 GRIT ON WING

ELV-IL	ELV-IR	BETA	RN/L
.000	.000	.000	7.000
.000	.000	.000	7.000

REFERENCE INFORMATION		
SREF	2590.0000	SQ. FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMPP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

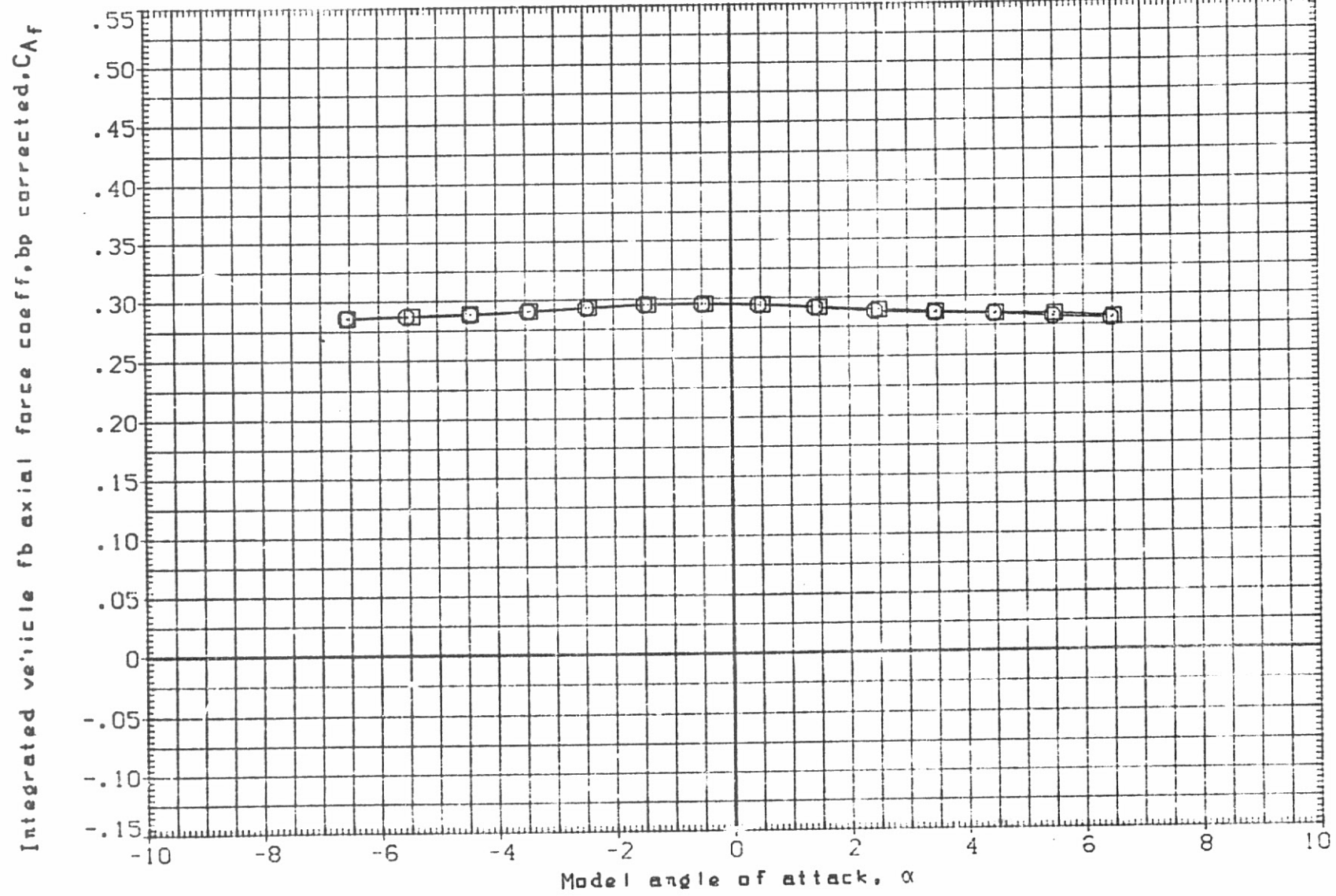


FIG 4 EFFECT OF TRANSITION GRIT, MACH 1.25

(A)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(AFKA01)	○	IA141 03 T5 S8 NO GRIT
(AFKA02)	□	IA141 02 T5 S8 .0065 GRIT ON WING

ELV-IL	ELV-IR	BETA	RN/L
.000	.000	.000	7.000
.000	.000	.000	7.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

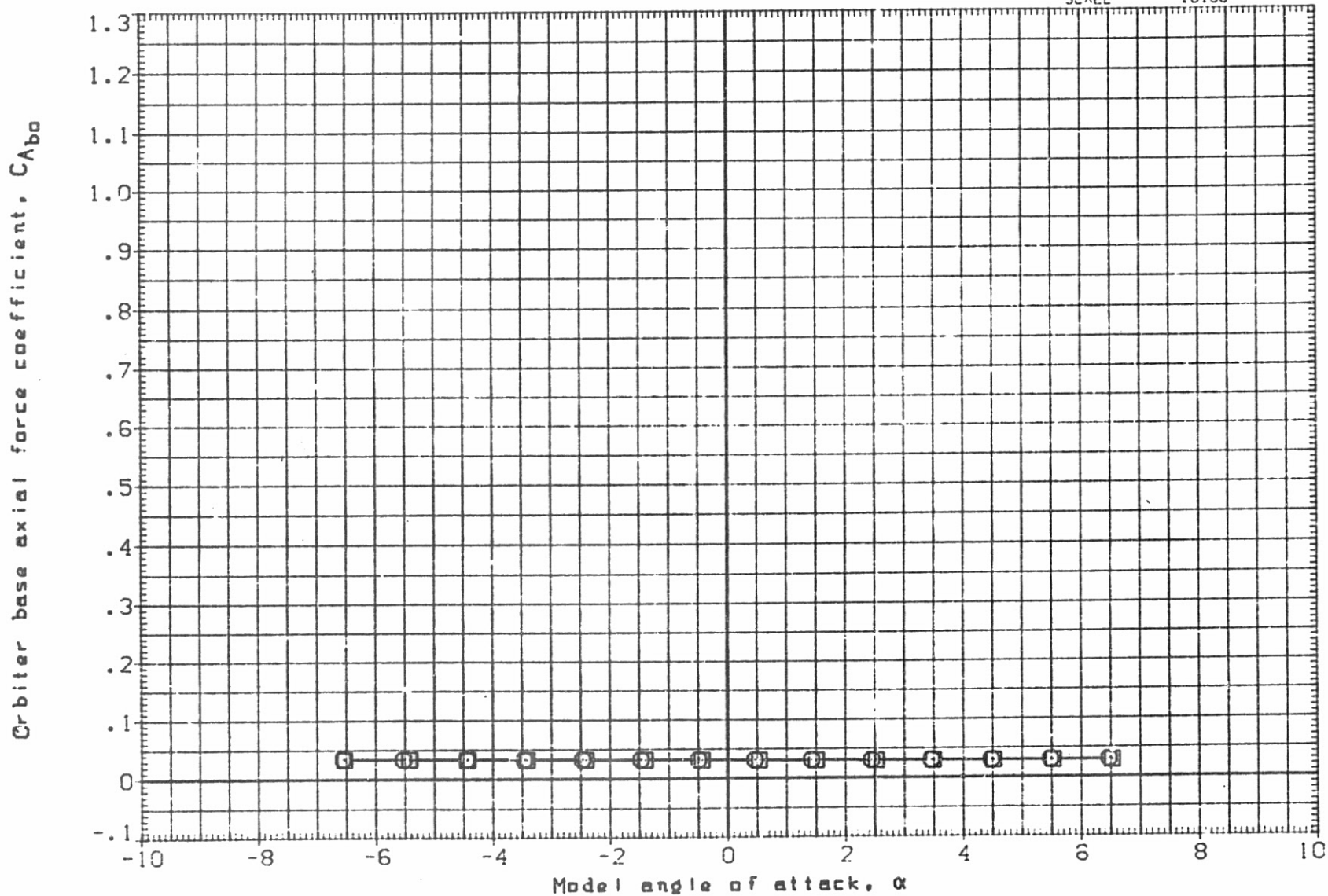


FIG 4 EFFECT OF TRANSITION GRIT, MACH 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(AFKA01)	○	1A141 03 T5 S8 NO GRIT
(AFKA02)	□	1A141 02 T5 S8 .0065 GRIT ON WING

ELV-IL	ELV-IR	BETA	RN/L
.000	.000	.000	7.000
.000	.000	.000	7.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

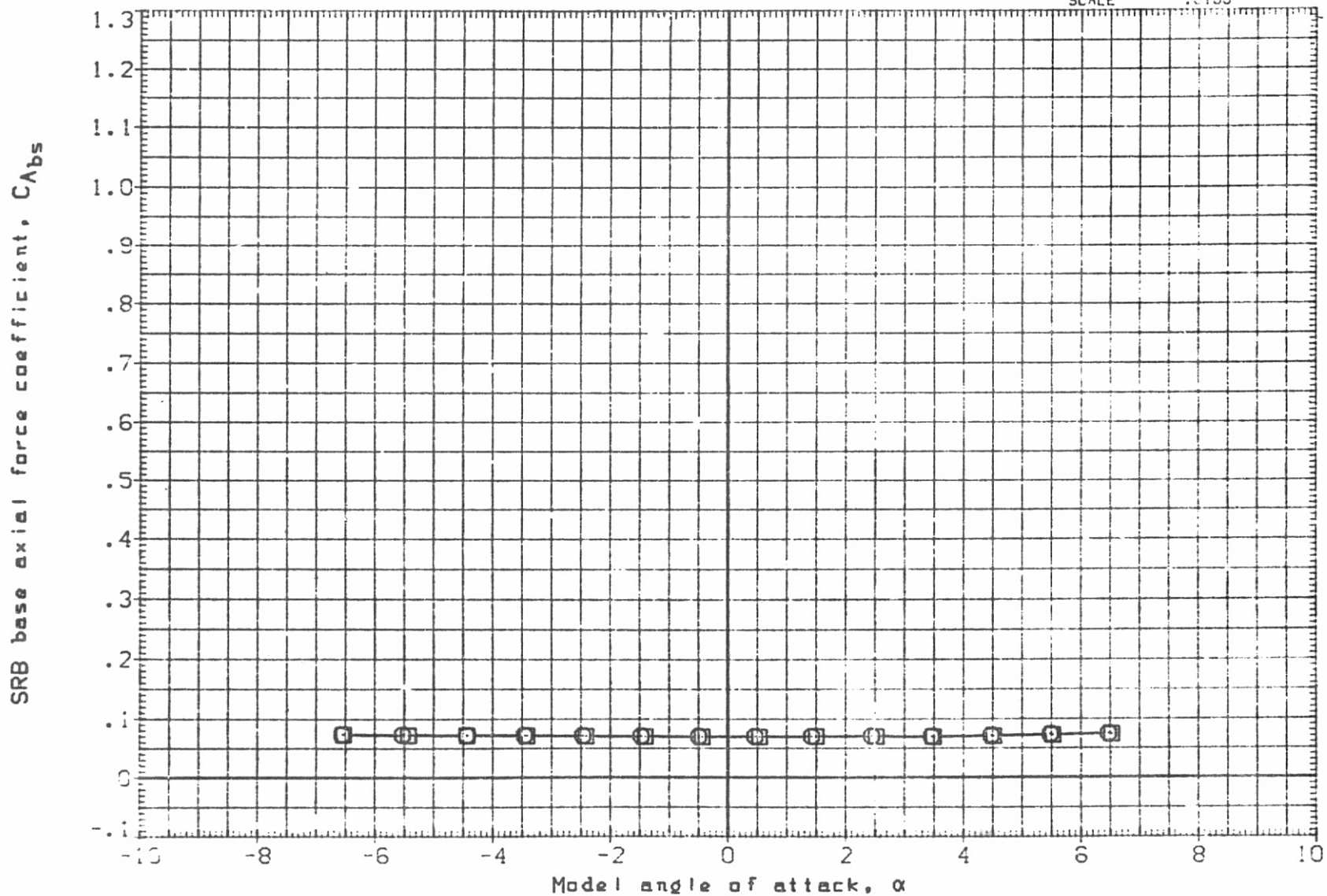


FIG 4 EFFECT OF TRANSITION GRIT, MACH 1.25

(A)MACH = 1.25

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(AFKA01)	○	IA141 03 T5 S8 NO GRIT
(AFKA02)	□	IA141 02 T5 S8 .0065 GRIT ON WING

ELV-IL	ELV-IR	BETA	RN/L
.000	.000	.000	7.000
.000	.000	.000	7.000

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0:100	

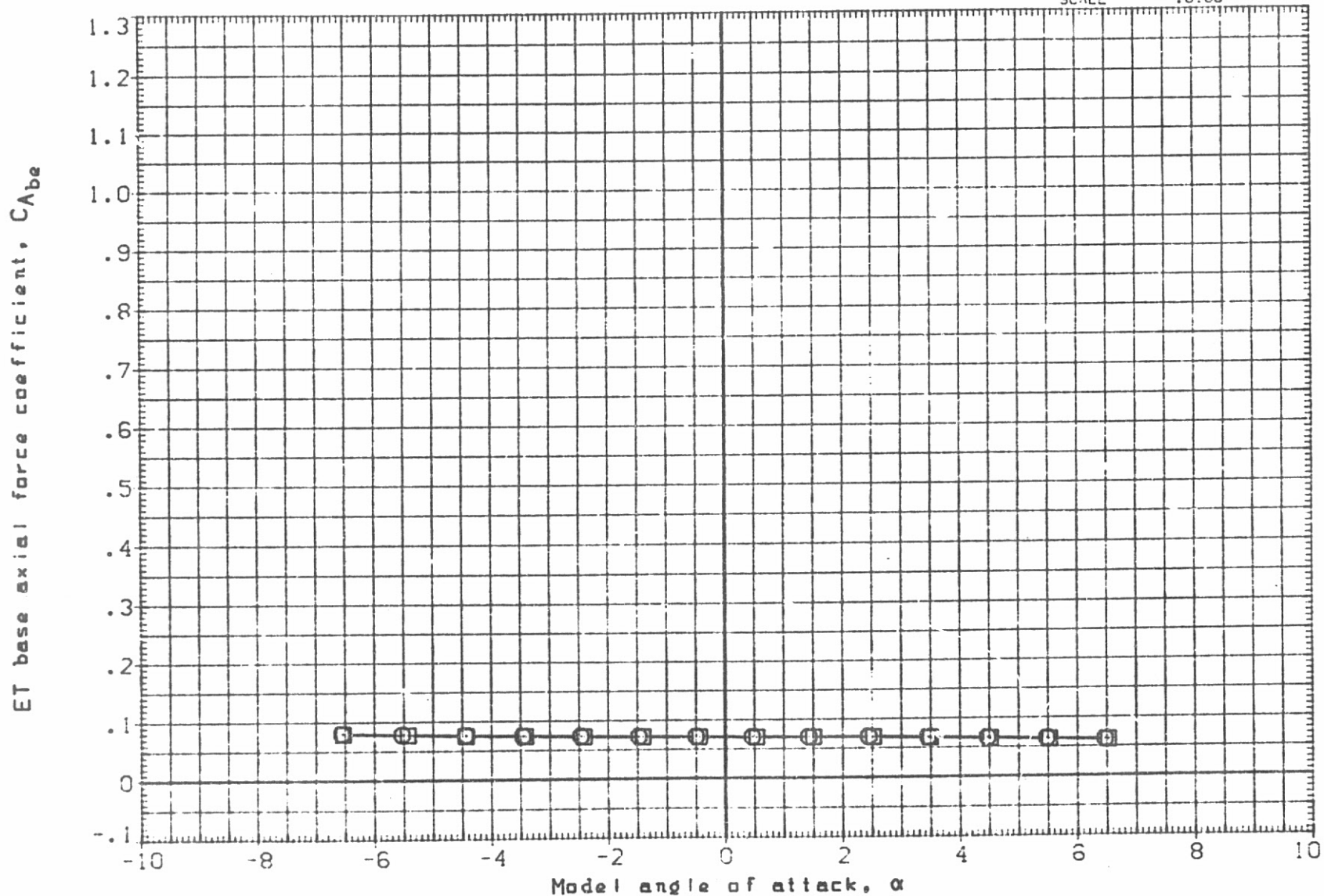


FIG 4 EFFECT OF TRANSITION GRIT, MACH 1.25

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION
(AFKA01)	□	1A141 03 T5 S8	NO GRIT
(AFKA02)	□	1A141 02 T5 S8	.0065 GRIT ON WING

ELV-II	ELV-IR	BETA	RN/L
.000	.000	.000	7.000
.000	.000	.000	7.000

REFERENCE INFORMATION		
SREF	2690.0000	50. FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

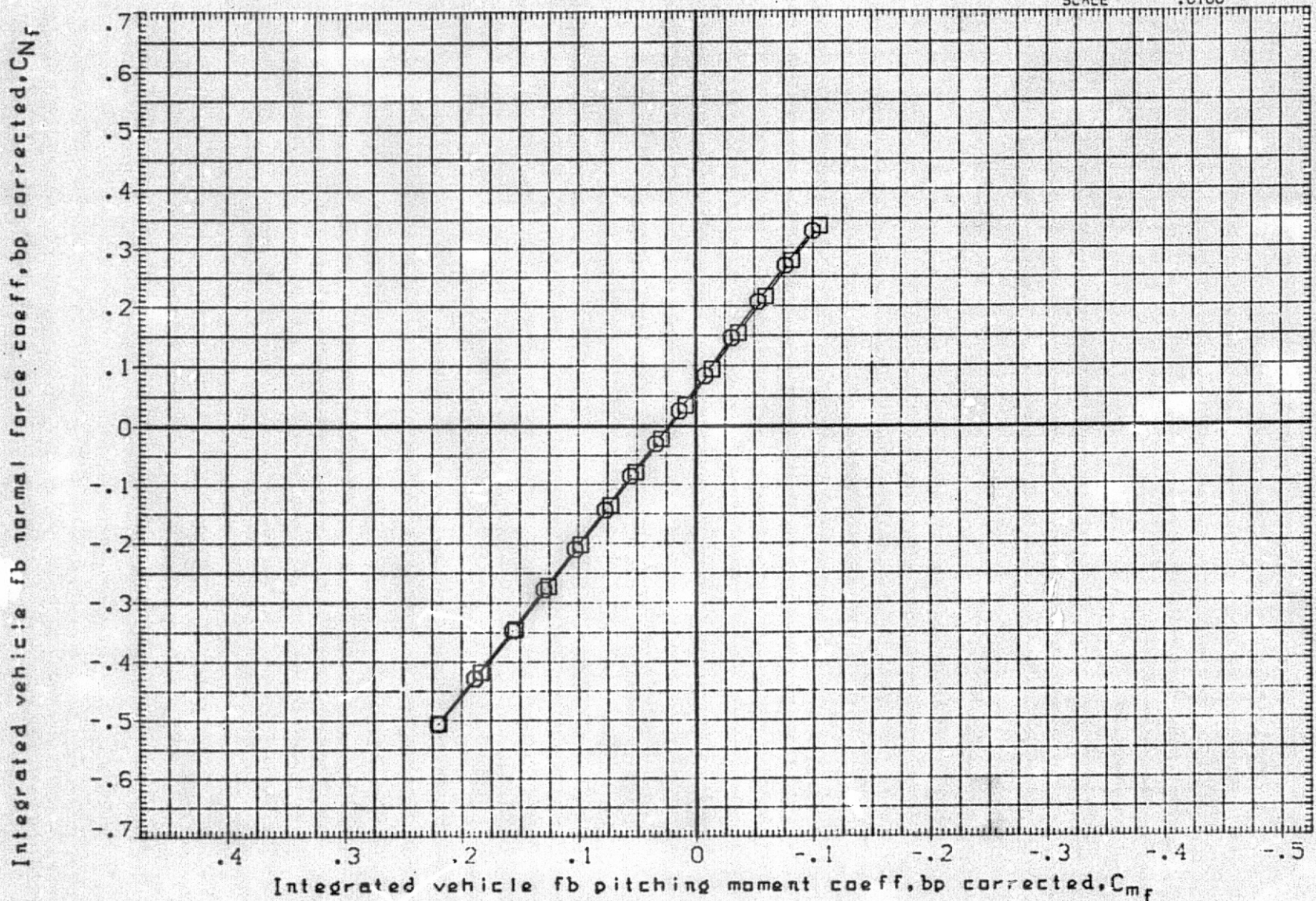


FIG 4 EFFECT OF TRANSITION GRIT, MACH 1.25

(A) MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKC01)	○	IA141 03 T5 S8 NO GRIT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKC05)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKC15)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	BREF 1290.3000 INCHES
(AFKC18)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	XMRP 976.0000 IN. XT
							YMRP .0000 IN. YT
							ZMRP 400.0000 IN. ZT
							SCALE .0100

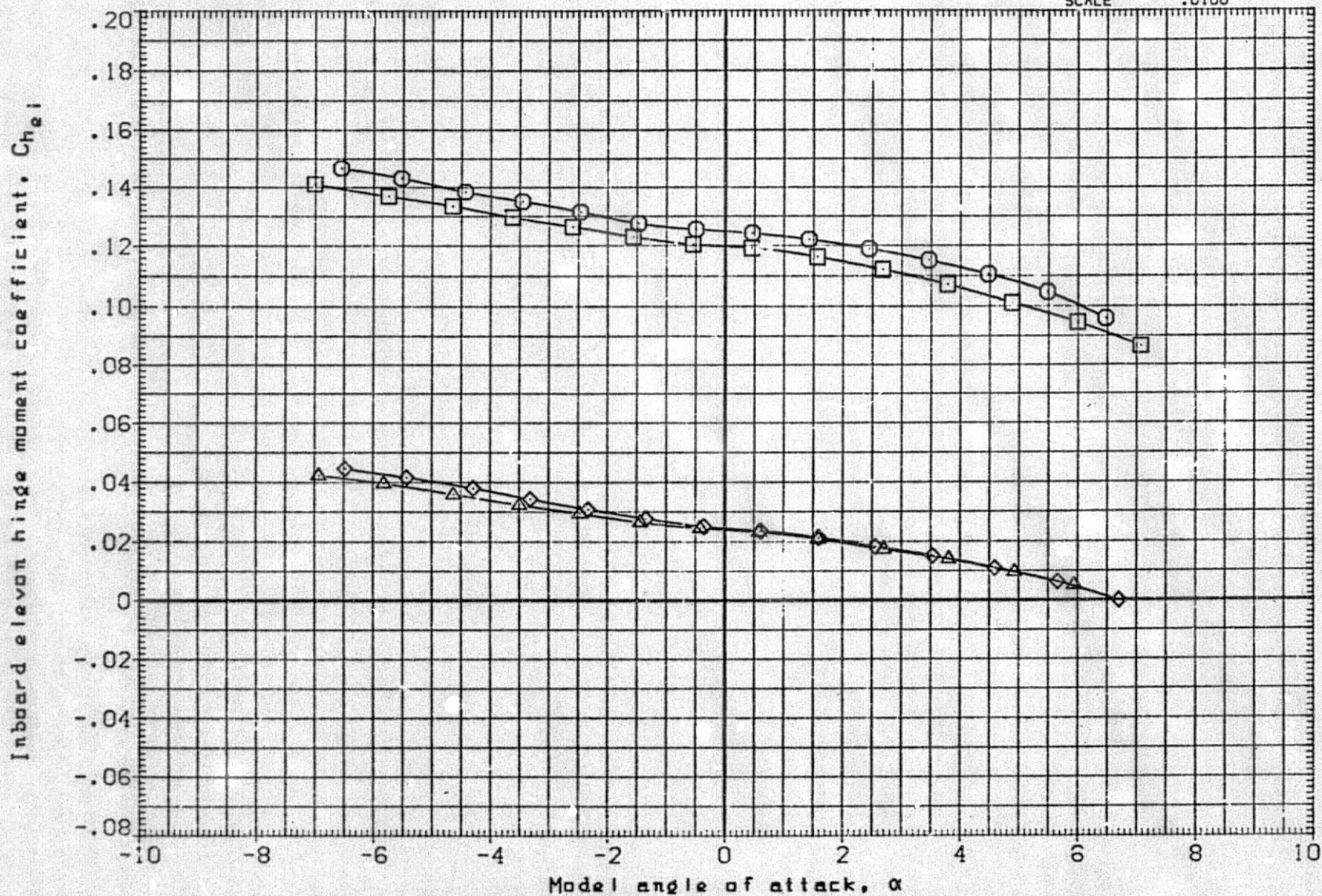


FIG 5 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.25, BETA 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L
(AFKCO1)	○	IA141 03 T5 S8 NO GRIT	.000	.000	.000	7.000
(AFKCO5)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500
(AFKC15)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000
(AFKC18)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

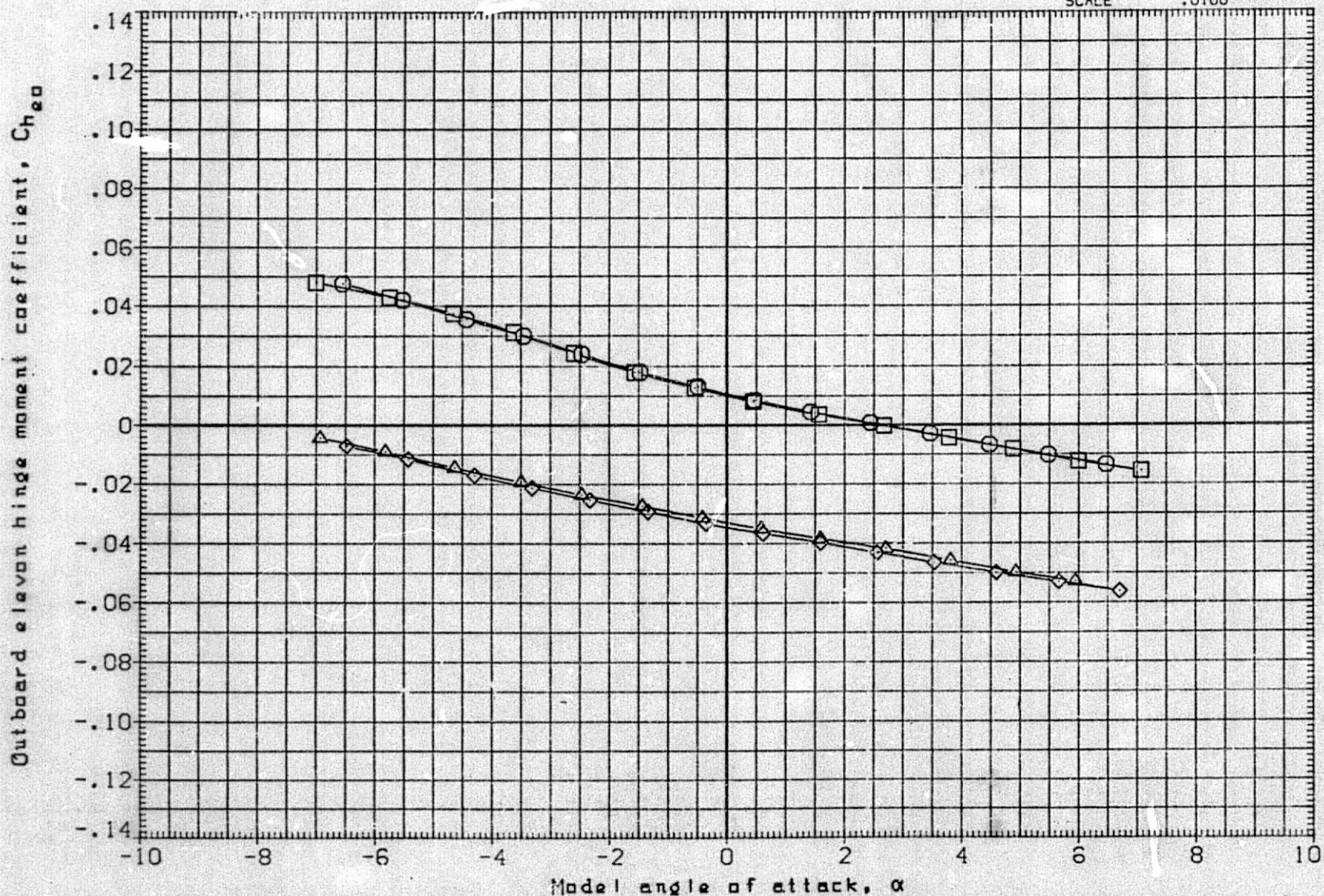


FIG 5 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.25, BETA 0

(A)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFK01)	○	IA141 03 T5 S8 NO GRIT	.000	.000	.000	7.000	SREF 2690.0000 SQ. FT.
(AFK05)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFK15)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	BREF 1290.3000 INCHES
(AFK18)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	XMRP 976.0000 IN. XT
							YMRP .0000 IN. XT
							ZMRP 400.0000 IN. ZT
							SCALE .0100

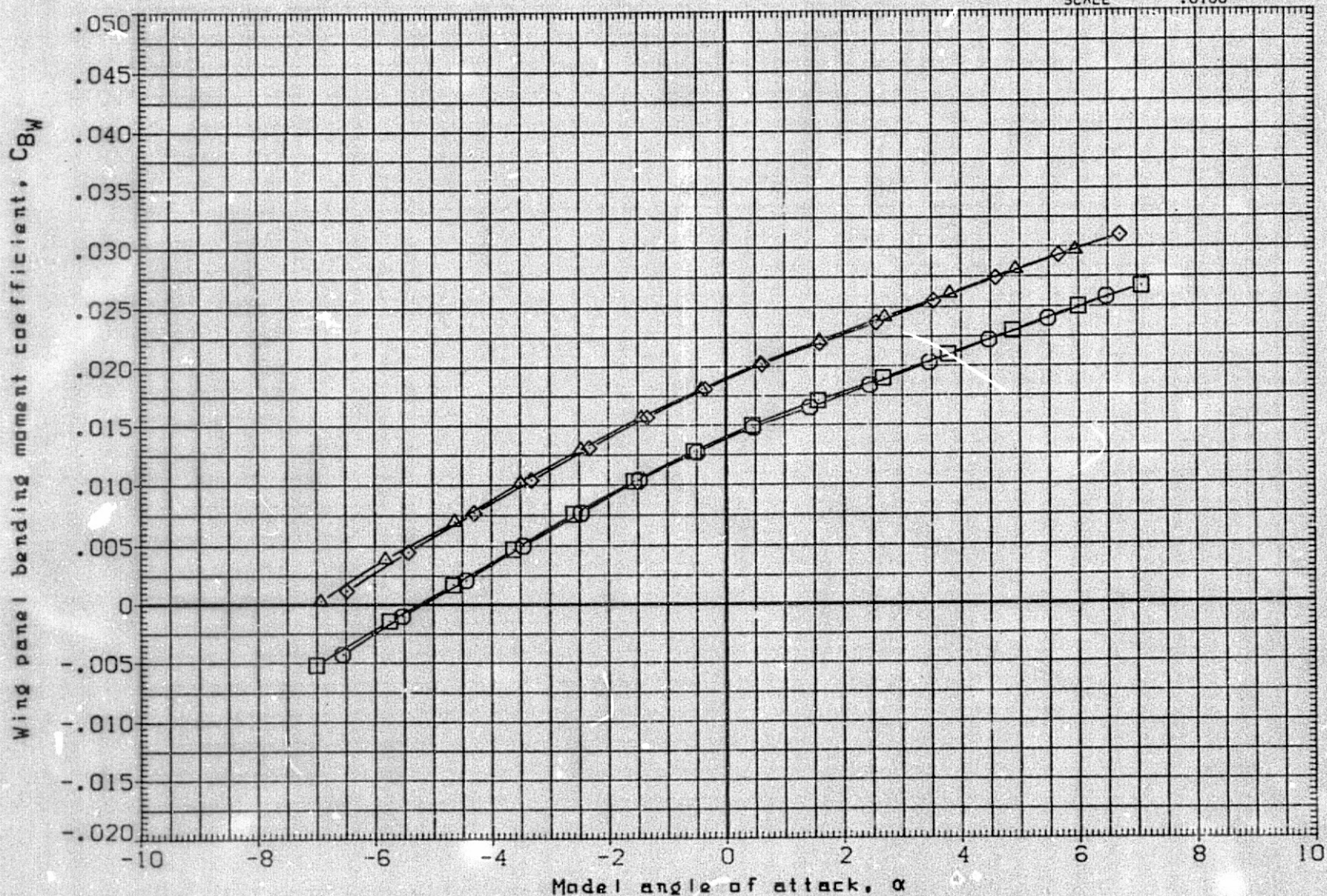


FIG 5 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.25, BETA 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	EETA	RN/L	REFERENCE INFORMATION		
(AFKC01)	○	IA141 03 T5 S8 NO GRIT	.000	.000	.000	7.000	SREF	2690.0000	SQ.FT.
(AFKC05)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	LREF	1290.3000	INCHES
(AFKC15)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	BREF	1290.2000	INCHES
(AFKC18)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	XMRP	976.0000	IN. XT
							YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

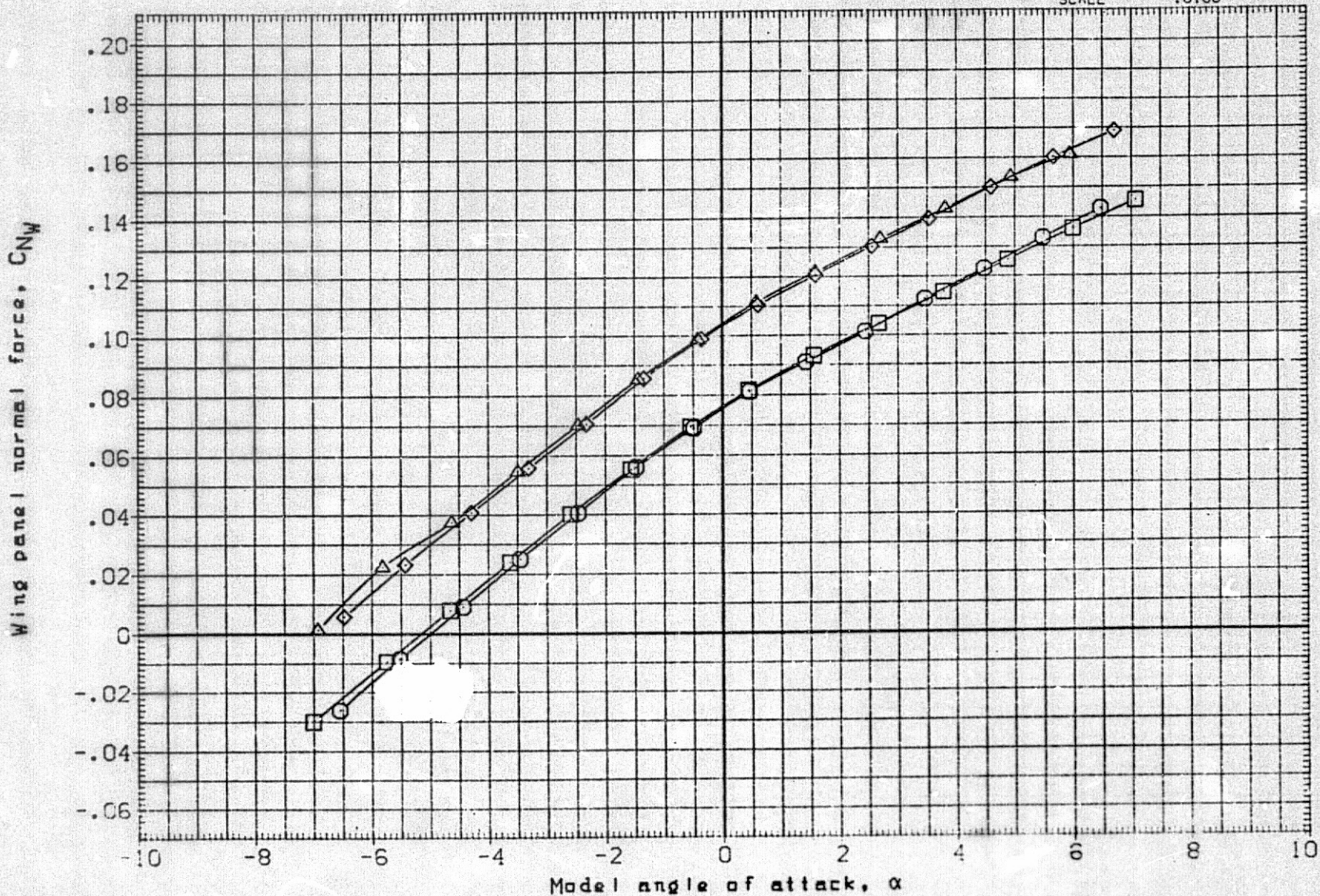


FIG 5 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.25, BETA 0

(A)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKC01)	○	1A141 03 T5 S8 NO GRIT	.000	.000	.000	7.000	SREF 2690.0000 SO.FT.
(AFKC05)	□	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKC15)	◇	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	BREF 1290.3000 INCHES
(BFKC18)	△	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	XMRP 976.0000 IN. XT
							YMRP .0000 IN. YT
							ZMRP 400.0000 IN. ZT
							SCALE .0100

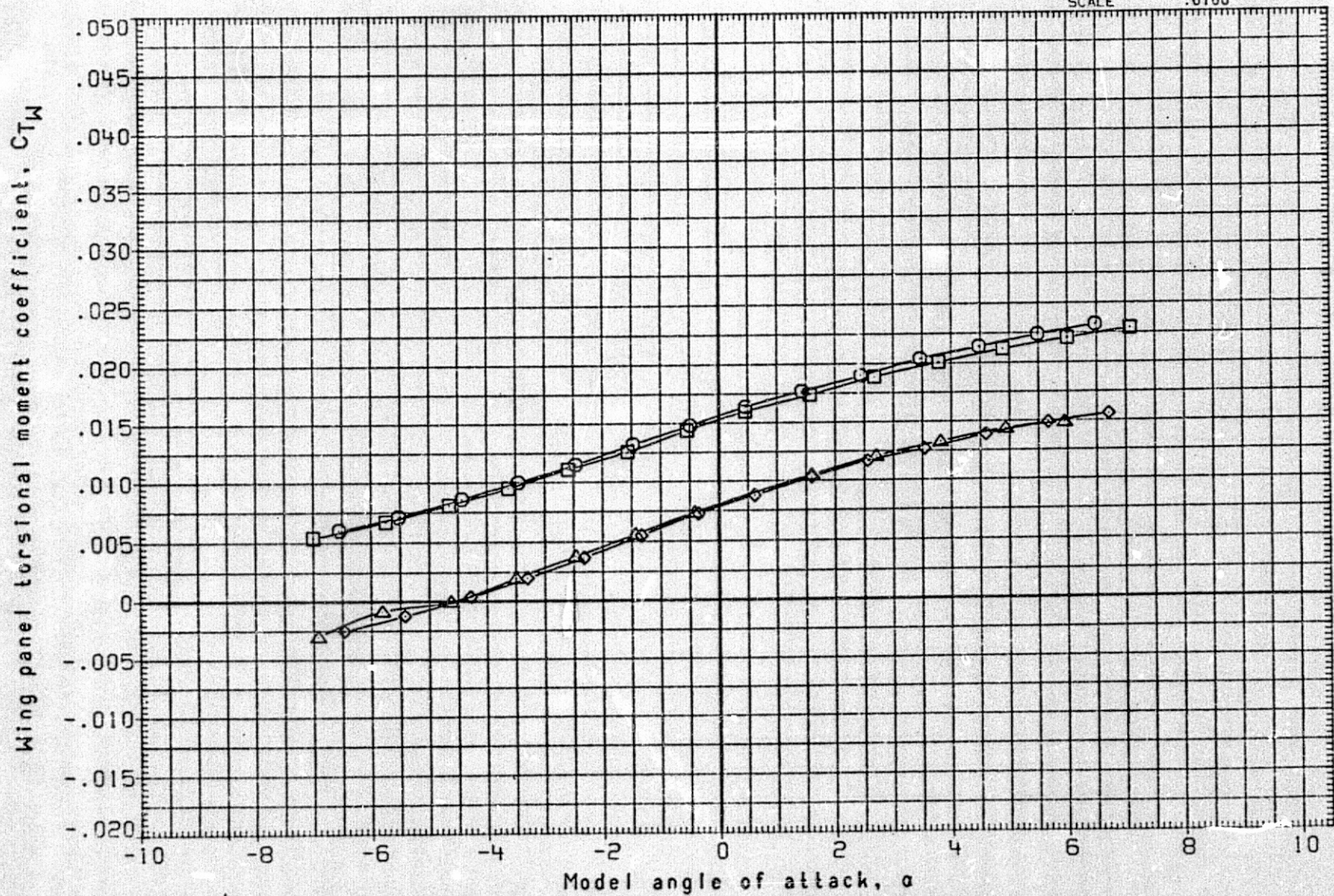


FIG 5 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.25, BETA 0

(A) MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA01)	○	IA141 03 T5 S8 NO GRIT	.000	.000	.000	7.000	SREF 2690.0000 SQ. FT.
(AFKA05)	◇	IA141 04 T4 S7 .0065 GRIT ON WING-BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKA15)	◇	IA141 04 T4 S7 .0065 GRIT ON WING-BODY AND VERT	10.000	10.000	.000	7.000	BREF 1290.3000 INCHES
(AFKA18)	△	IA141 04 T4 S7 .0065 GRIT ON WING-BODY AND VERT	10.000	10.000	.000	11.500	XMRP 976.0000 IN. XT
							YMRP .0000 IN. YT
							ZMRP 400.0000 IN. ZT
							SCALE .0100

Integrated vehicle fb normal force coeff, bp corrected, C_{Nf}

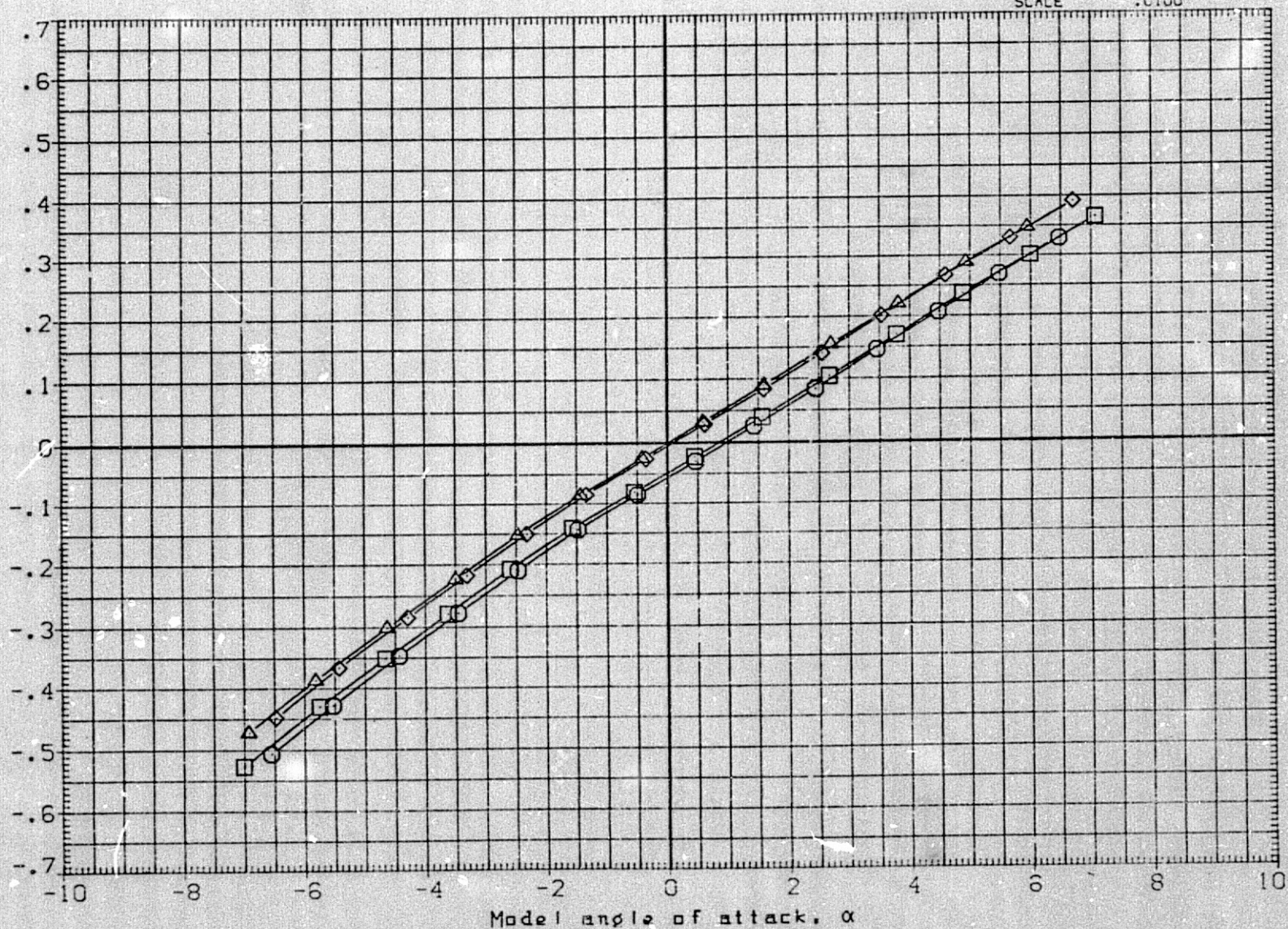


FIG 5 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.25, BETA 0

(A) MACH = 1.25

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA01)	○	IA141 03 T5 S8 NO GRIT	.000	.000	.000	7.000	SREF 2690.0000 SQ. FT.
(AFKA05)	□	IA141 04 T4 S7 .0065 GRIT ON WING, BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKA15)	△	IA141 04 T4 S7 .0065 GRIT ON WING, BODY AND VERT	10.000	10.000	.000	7.000	BREF 1290.3000 INCHES
(AFKA18)	◇	IA141 04 T4 S7 .0065 GRIT ON WING, BODY AND VERT	10.000	10.000	.000	11.500	XMRP 976.0000 IN. YT
							YMRP .0000 IN. YT
							ZMRP 400.0000 IN. ZT
							SCALE .0100

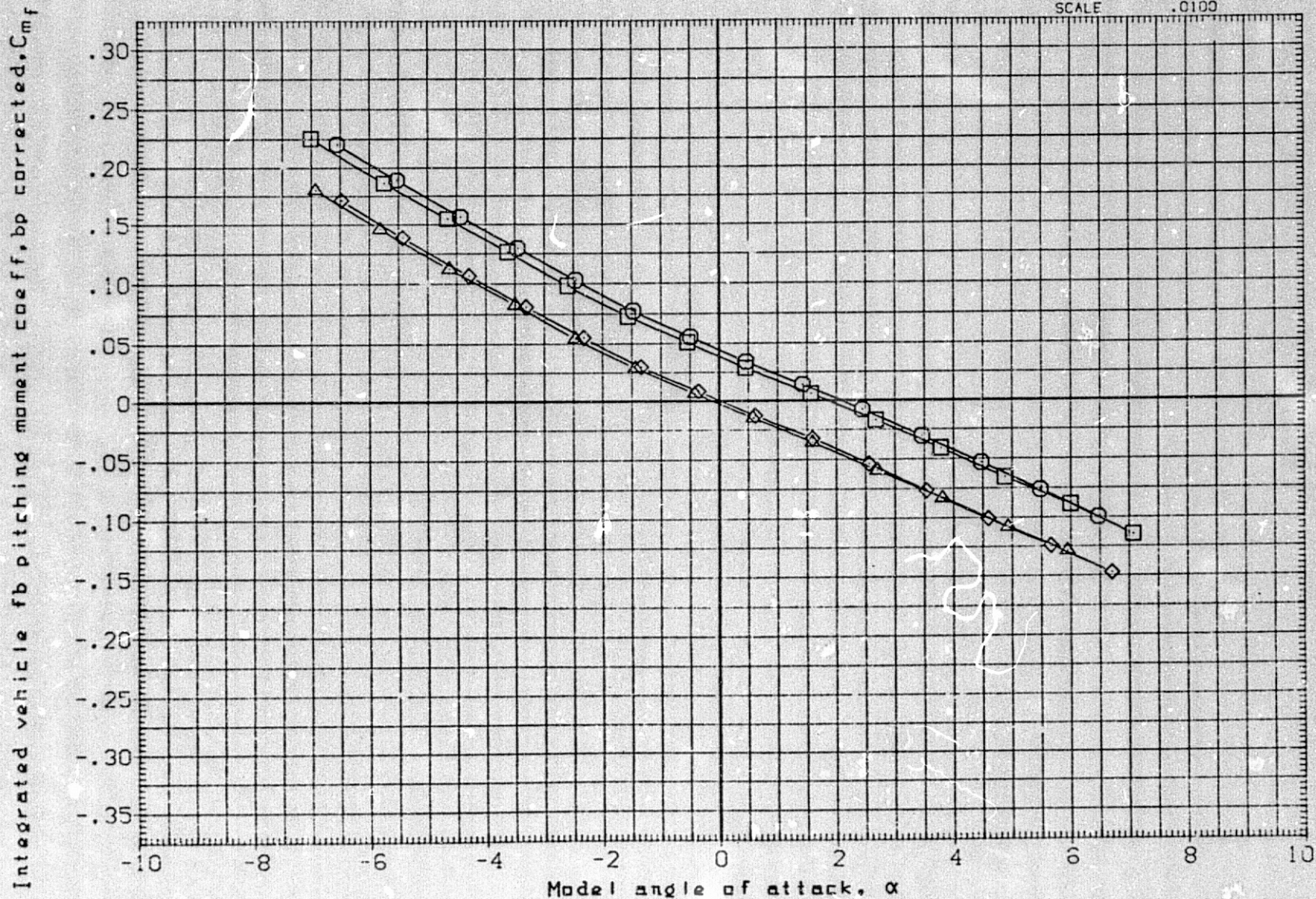


FIG 5 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS. MACH 1.25, BETA 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION		
(AFKA01)	□	IA141 03 T5 S8 NO GRIT	.000	.000	.000	7.000	SREF	2690.0000	SO. FT.
(AFKA05)	○	IA141 04 T4 S7 .0065 GRIT ON WING, BODY AND VERT	.000	.000	.000	11.500	LREF	1290.3000	INCHES
(AFKA15)	◇	IA141 04 T4 S7 .0065 GRIT ON WING, BODY AND VERT	10.000	10.000	.000	7.000	BREF	1290.3000	INCHES
(AFKA18)	△	IA141 04 T4 S7 .0065 GRIT ON WING, BODY AND VERT	10.000	10.000	.000	11.500	XMRP	976.0000	IN. XT
							YMRP	.0000	IN. Y1
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

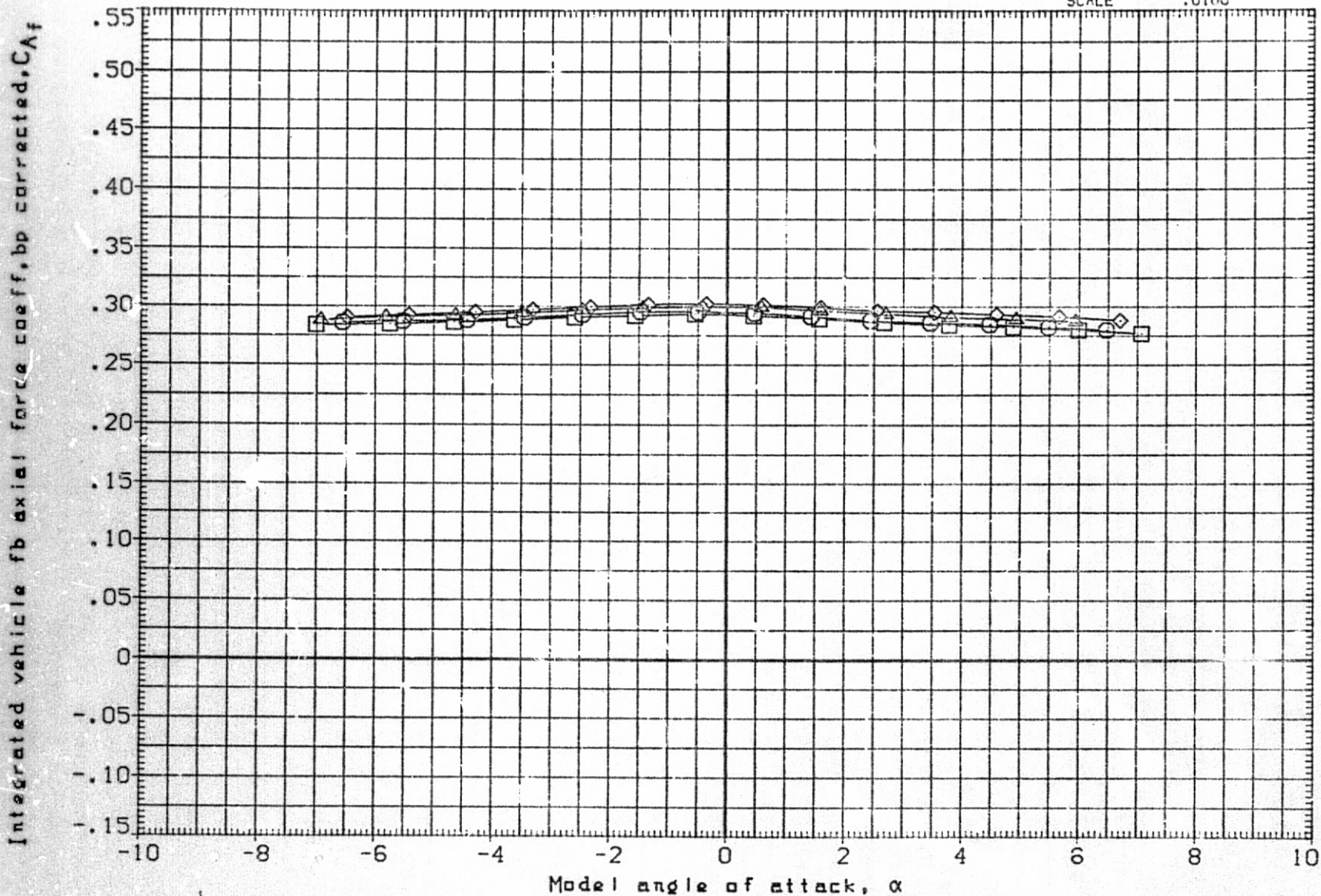


FIG 5 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.25, BETA 0

(A) MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION		
{AFKA01}	○	IA141 03 T5 S8 NO GRIT	.000	.000	.000	7.000	SREF	2690.0000	SO.FT.
{AFKA05}	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	LREF	1290.3000	INCHES
{AFKA15}	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	BREF	1290.3000	INCHES
{AFKA18}	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	XMRP	976.0000	IN. XT
							YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

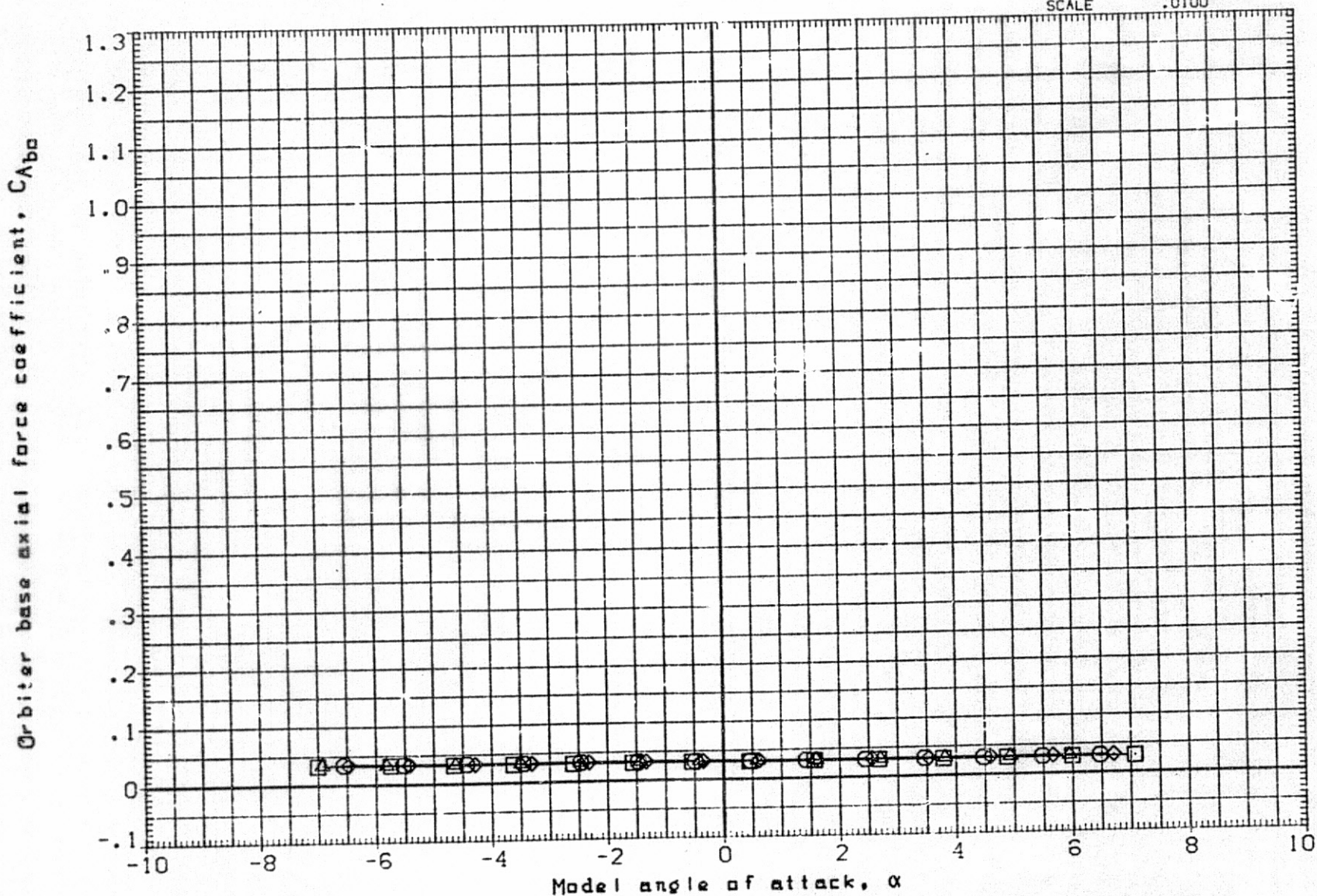


FIG 5 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.25, BETA 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION		
(AFKA01)	○	1A141 03 T5 S8 NO GRIT	.000	.000	.000	7.000	SREF	2690.0000	SQ. FT.
(AFKA05)	◇	1A141 04 T4 S7 .0065 GRIT ON WING, BODY AND VERT	.000	.000	.000	11.500	LREF	1290.3000	INCHES
(AFKA15)	□	1A141 04 T4 S7 .0065 GRIT ON WING, BODY AND VERT	10.000	10.000	.000	7.000	BREF	1290.3000	INCHES
(AFKA18)	△	1A141 04 T4 S7 .0065 GRIT ON WING, BODY AND VERT	10.000	10.000	.000	11.500	XMRP	976.0000	IN. XT
							YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

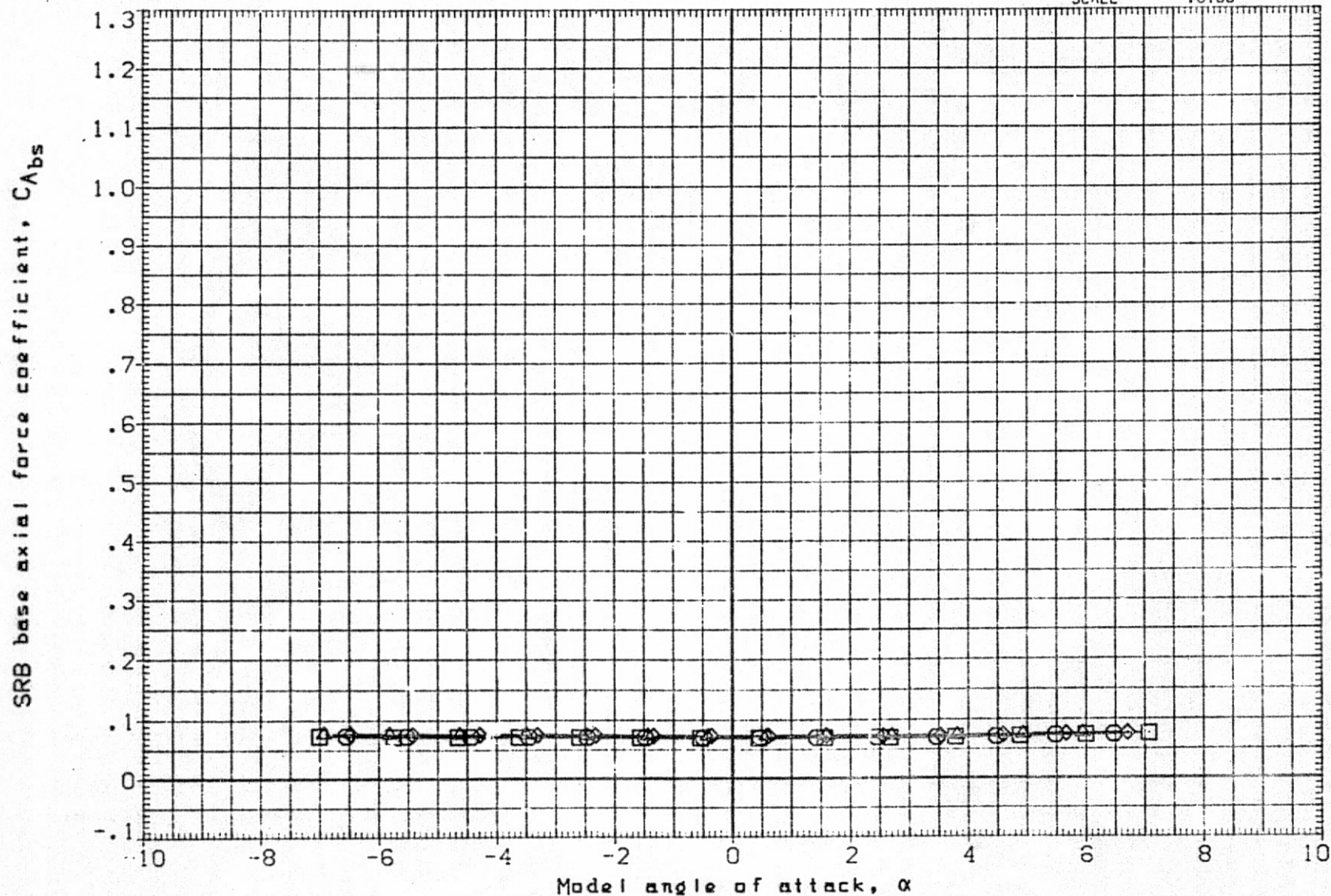


FIG 5 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.25, BETA 0

(A)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA01)	□	1A141 03 T5 S8 NO GRIT	.000	.000	.000	7.000	SREF 2690.0000 SQ. FT.
(AFKA05)	□	1A141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKA15)	◇	1A141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	.000	7.000	BREF 1290.3000 INCHES
(AFKA18)	△	1A141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	.000	11.500	XMRP 976.0000 IN. XT
							YMRP .0000 IN. YT
							ZMRP 400.0000 IN. ZT
							SCALE .C100

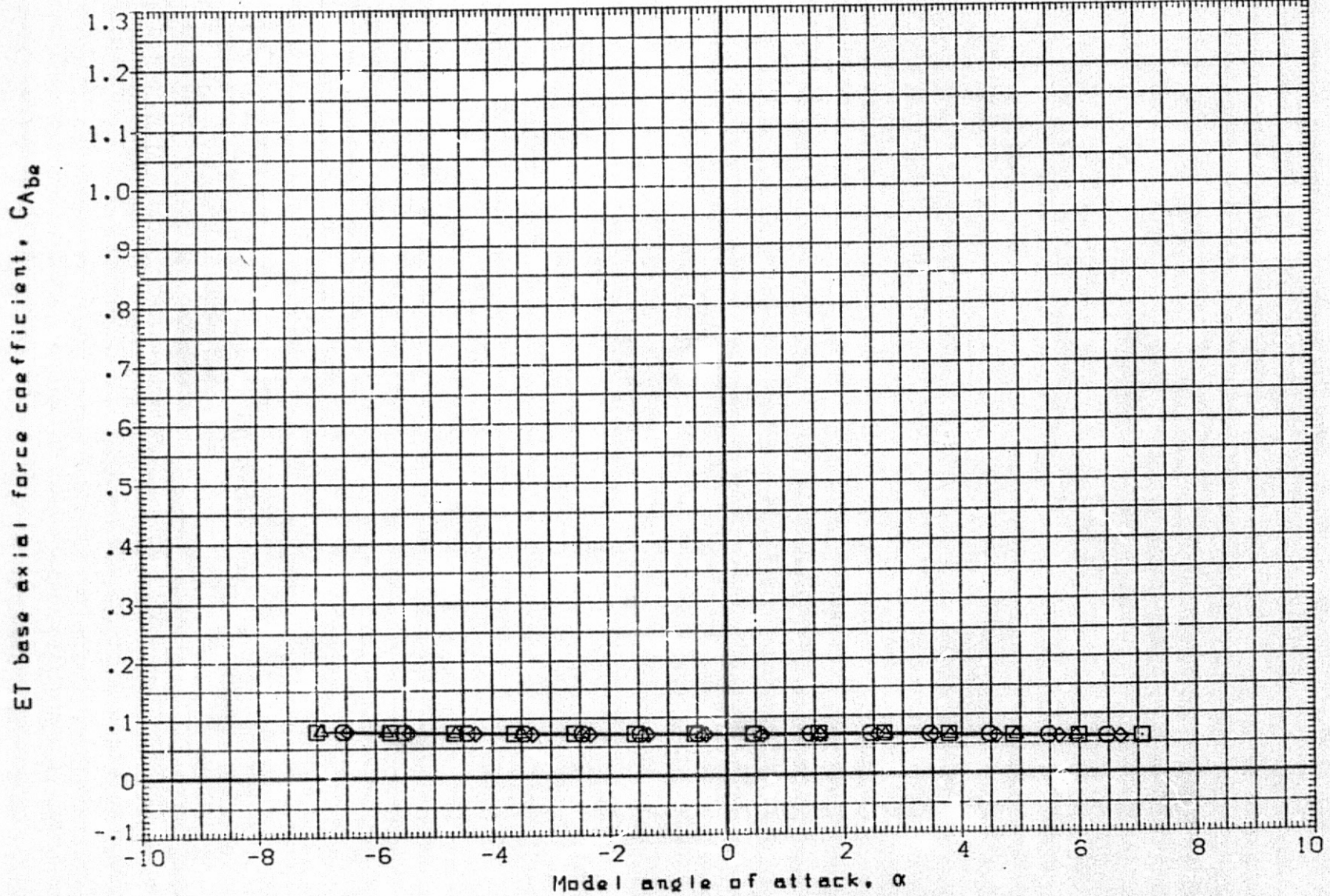


FIG 5 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.25, BETA 0

(A)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION		
(AFKA01)	○	IA141 03 T5 S8 NO GRIT	.000	.000	.000	7.000	SREF	2690.0000	SQ. FT.
(AFKA05)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	LREF	1290.3000	INCHES
(AFKA15)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	BREF	1290.3000	INCHES
(AFKA18)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	XMRP	976.0000	IN. XT
							YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

Integrated vehicle fb normal force coeff, bp corrected, C_{Nf}

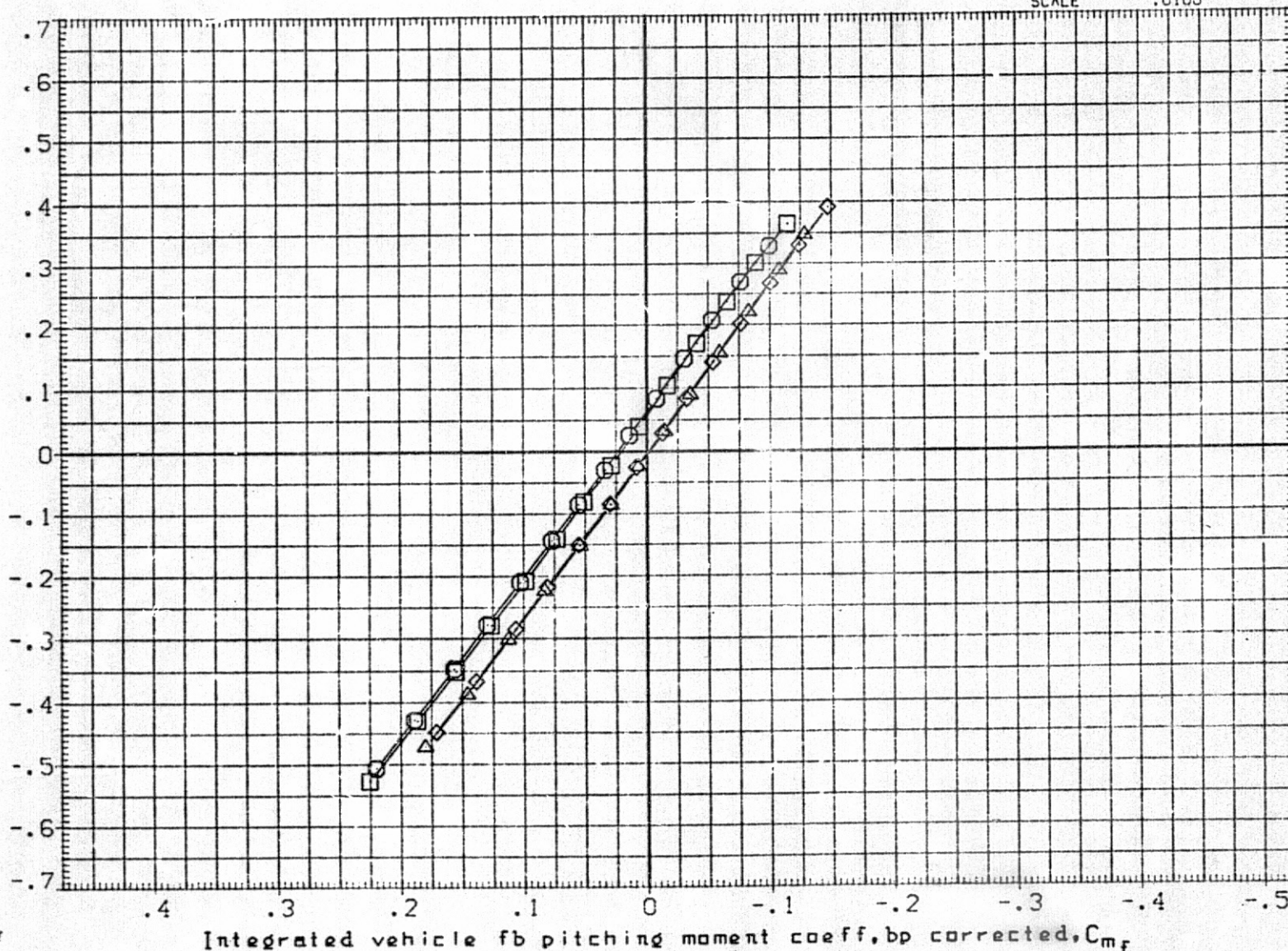


FIG 5 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.25, BETA 0

(A)MACH = 1.25

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKC03)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKC04)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	9.000	LREF 1290.3000 INCHES
(AFKC05)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	BREF 1290.3000 INCHES
(AFKC15)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	XMRP 976.0000 IN. XT
(AFKC16)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	9.000	YMRP .0000 IN. YT
(AFKC18)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

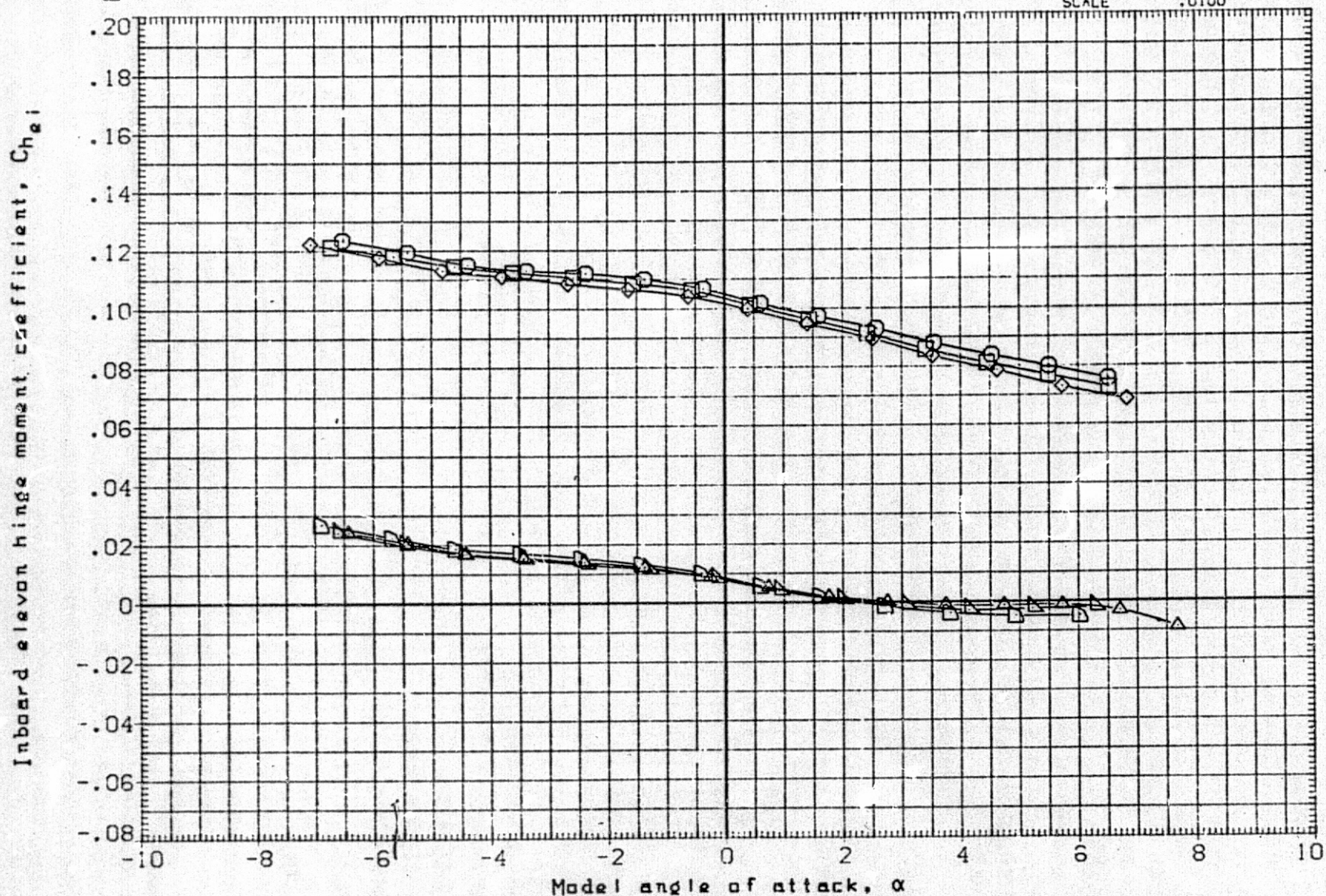


FIG 6 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.05, BETA 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFK03)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFK04)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	9.000	LREF 1290.3000 INCHES
(AFK05)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	BREF 1290.3000 INCHES
(AFK15)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	XMRP 976.0000 IN. XT
(AFK16)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	9.000	YMRP .0000 IN. YT
(AFK18)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

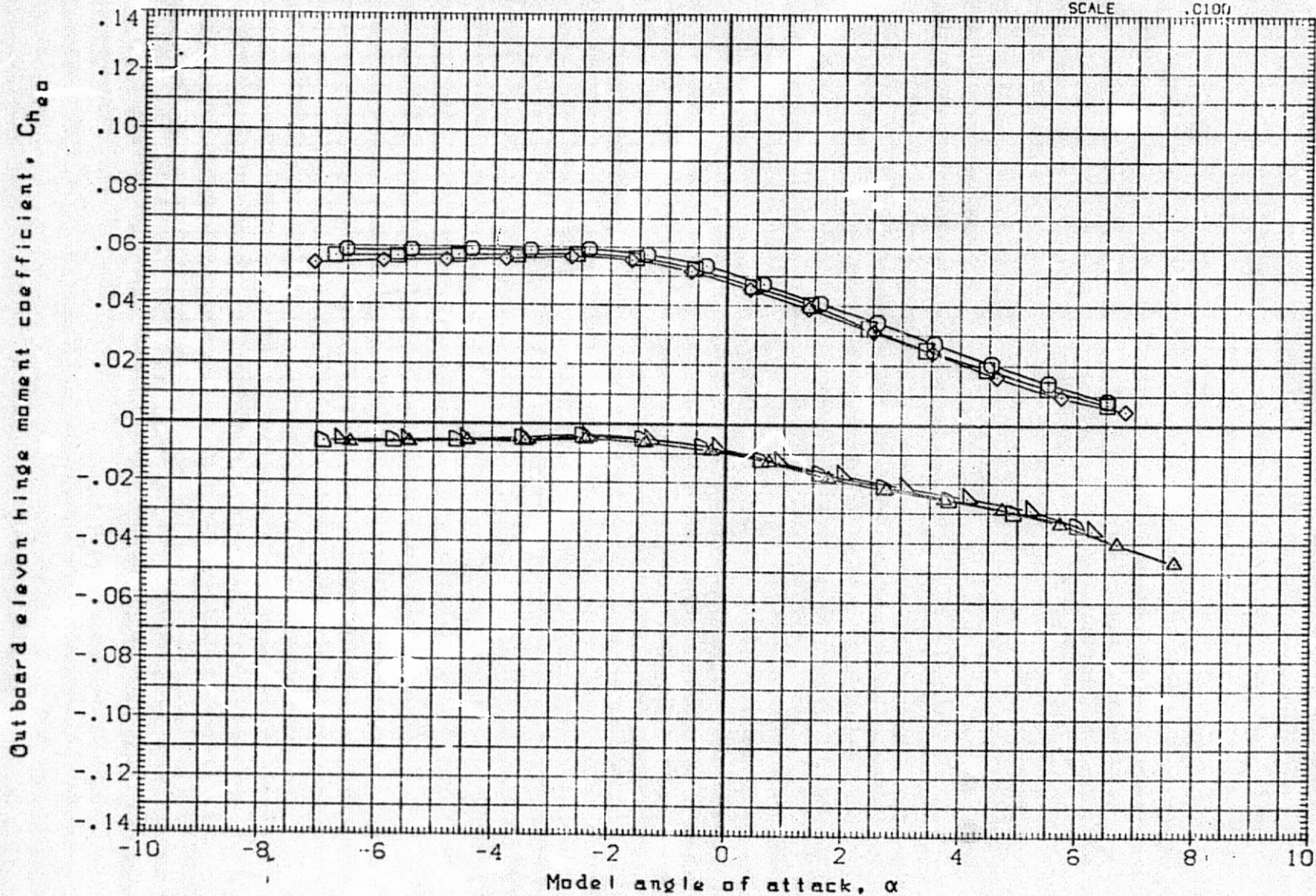


FIG 6 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.05, BETA 0

(A)MACH = 1.08

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKC03)	○	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKC04)	□	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	9.000	LREF 1290.3000 INCHES
(AFKC05)	◇	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	BREF 1290.3000 INCHES
(AFKC15)	△	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	XMRP 976.0000 IN. XT
(BFKC16)	▽	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	9.000	YMRP .0000 IN. YT
(AFKC18)	◇	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

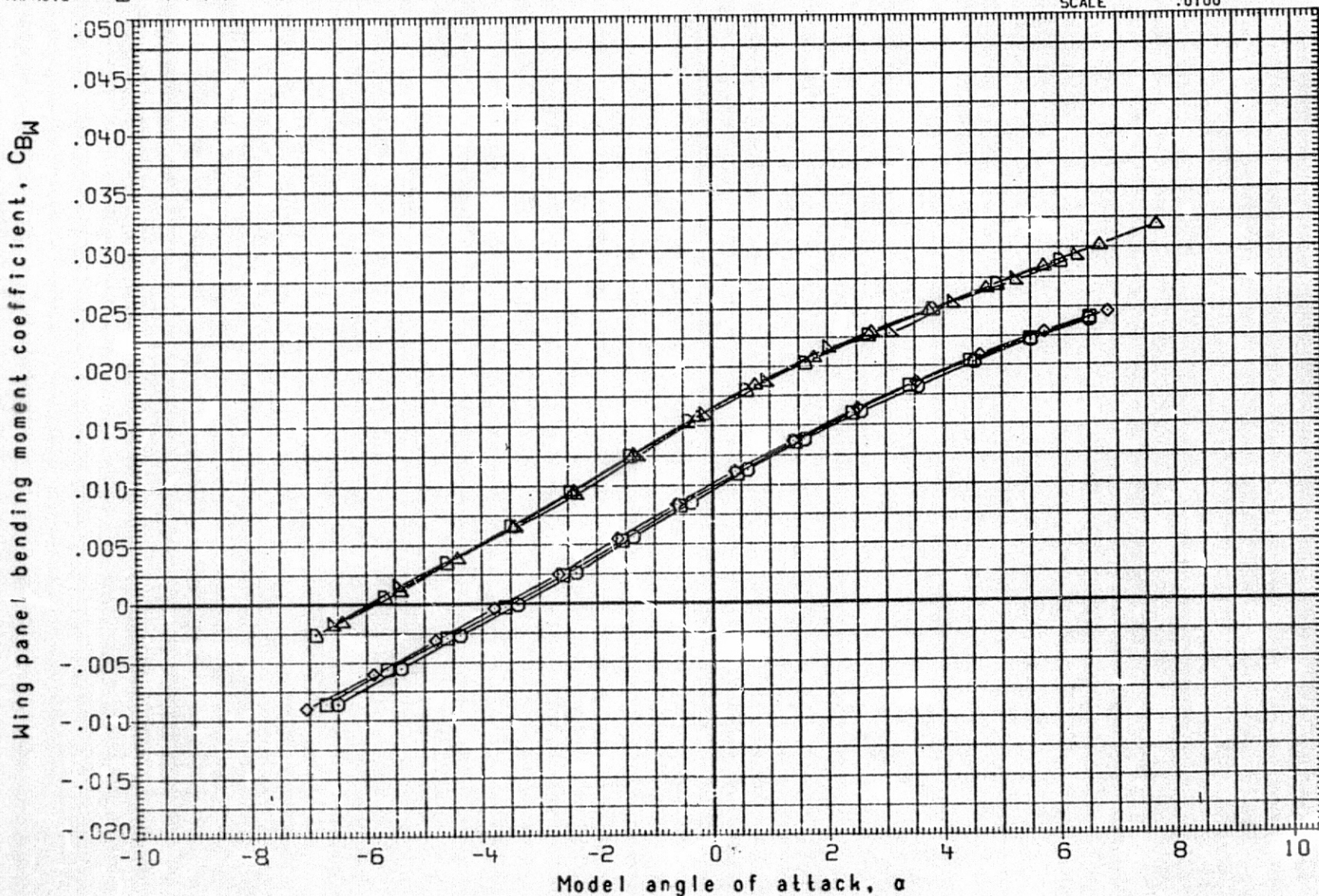


FIG 6 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.05, BETA 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKC03)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKC04)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	9.000	LREF 1290.3000 INCHES
(AFKC05)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	BREF 1290.3000 INCHES
(AFKC15)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	XMRP 976.0000 IN. XT
(BFKC16)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	9.000	YMRP .0000 IN. YT
(AFKC18)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

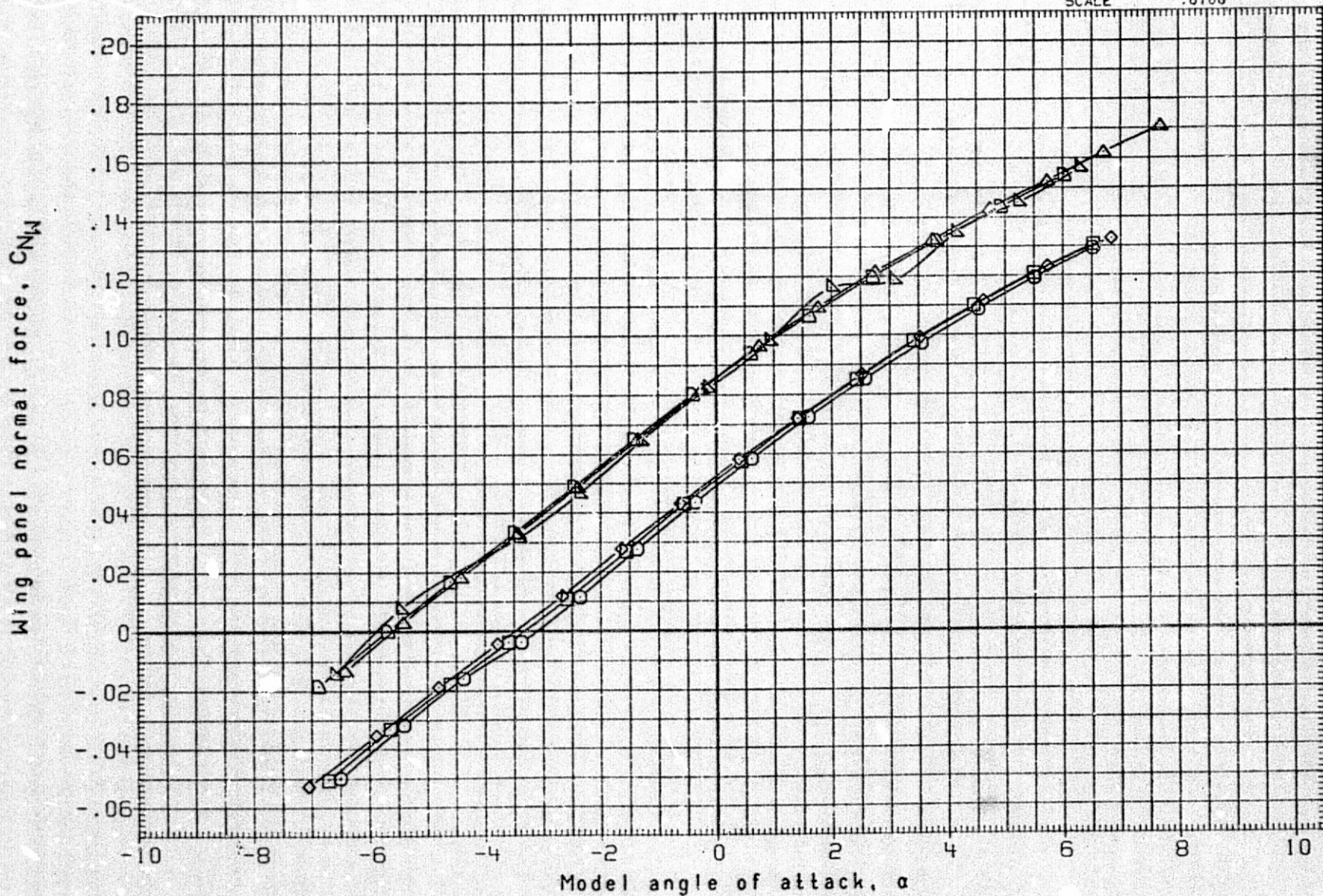


FIG 6 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.05, BETA 0

(A) MACH = 1.08

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION		
(AFKC03)	○	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF	2690.0000	50.FT.
(AFKC04)	□	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	9.000	LREF	1290.3000	INCHES
(AFKC05)	◇	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	BREF	1290.3000	INCHES
(AFKC15)	△	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	XMRP	976.0000	IN. XT
(BFKC16)	▽	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	9.000	YMRP	.0000	IN. YT
(AFKC18)	◇	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	ZMRP	400.0000	IN. ZT
							SCALE	.0100	

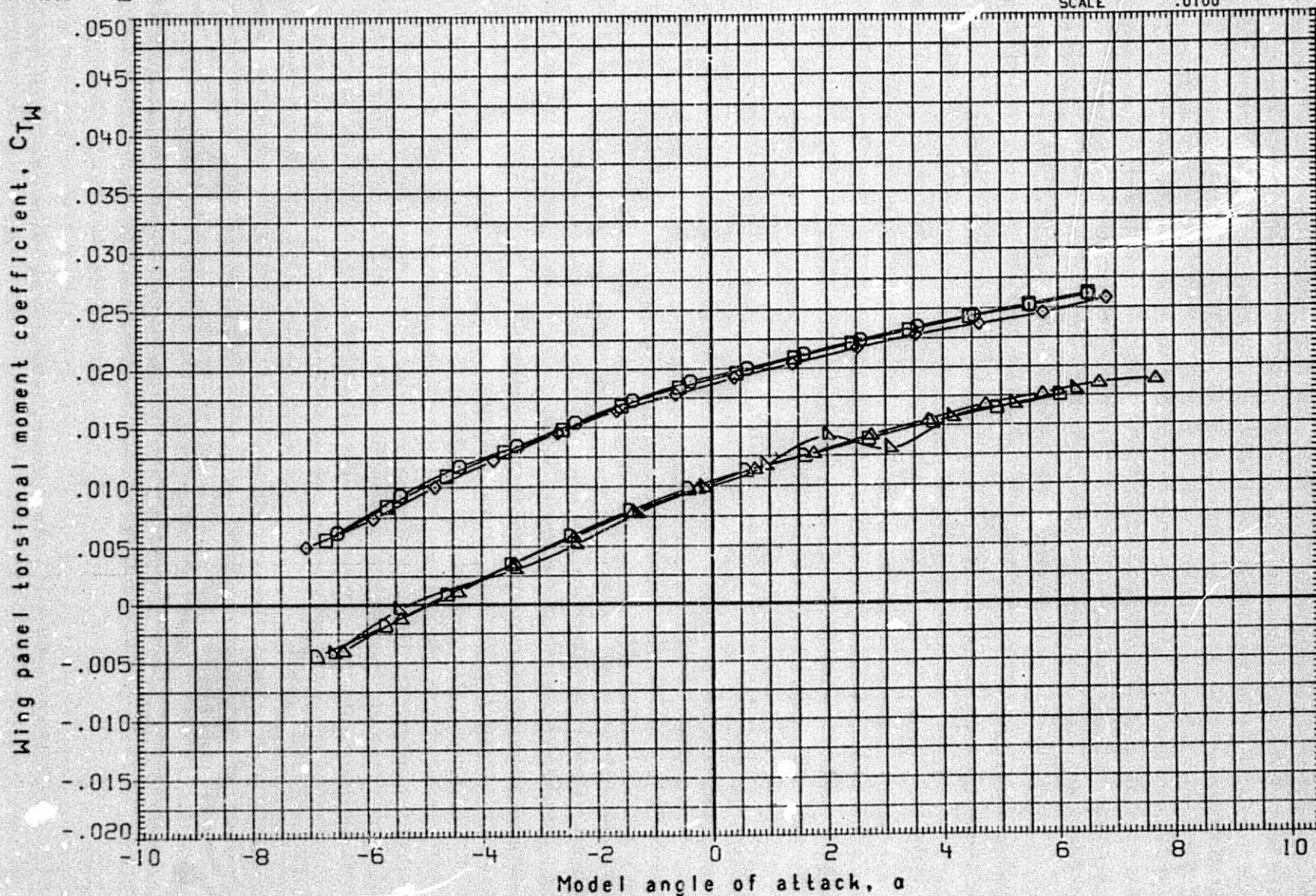


FIG 6 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.05, BETA 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA03)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKA04)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	9.000	LREF 1290.3000 INCHES
(AFKA05)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	BREF 1290.3000 INCHES
(AFKA15)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	XMRP 976.0000 IN. XT
(AFKA16)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	9.000	YMRP .0000 IN. YT
(AFKA18)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

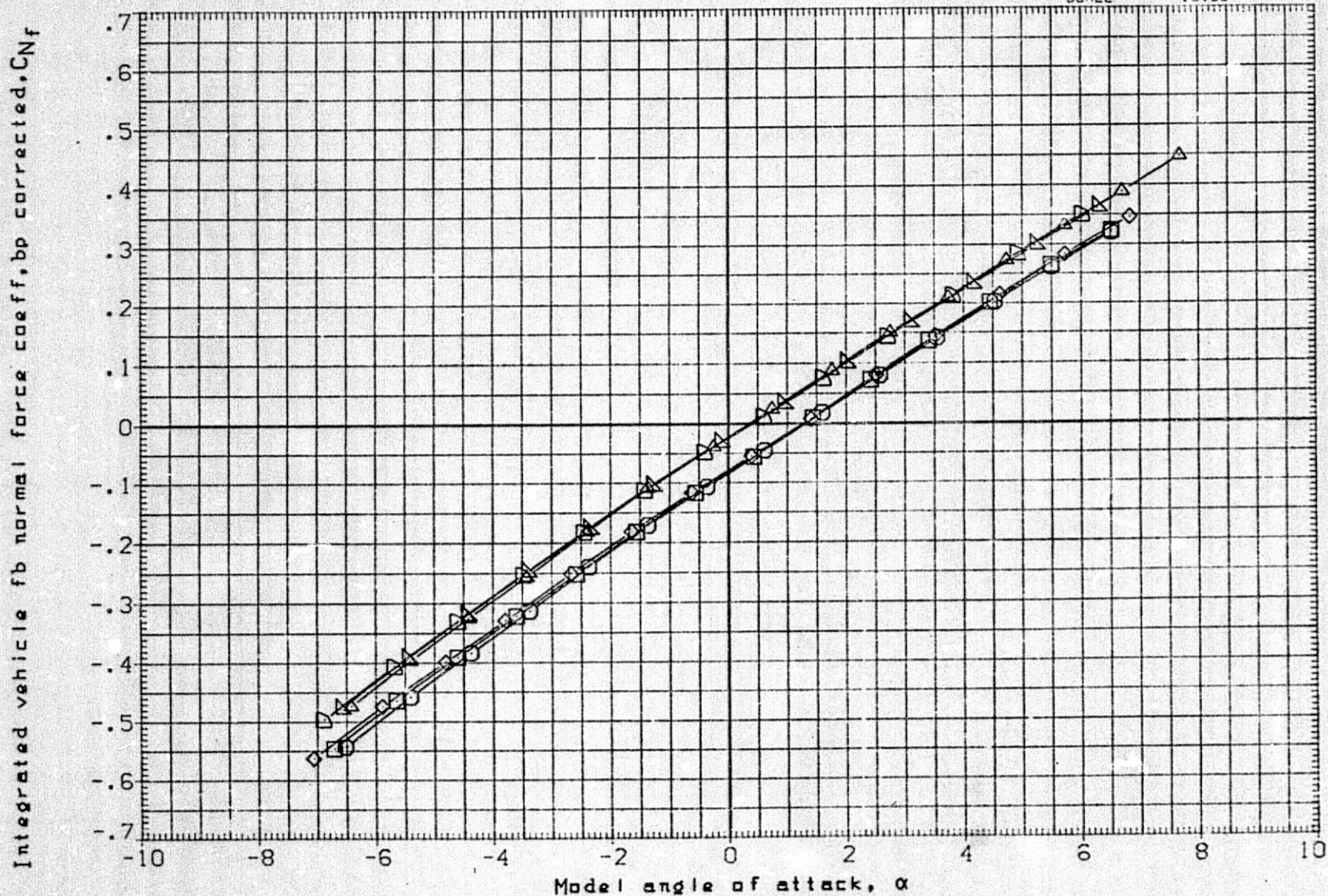


FIG 6 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.05, BETA 0

(A) MACH = 1.08

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA03)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKA04)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	9.000	LREF 1290.3000 INCHES
(AFKA05)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	BREF 1290.3000 INCHES
(AFKA15)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	XMRP 976.0000 IN. XT
(AFKA16)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	9.000	YMRP .0000 IN. YT
(AFKA18)	▷	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

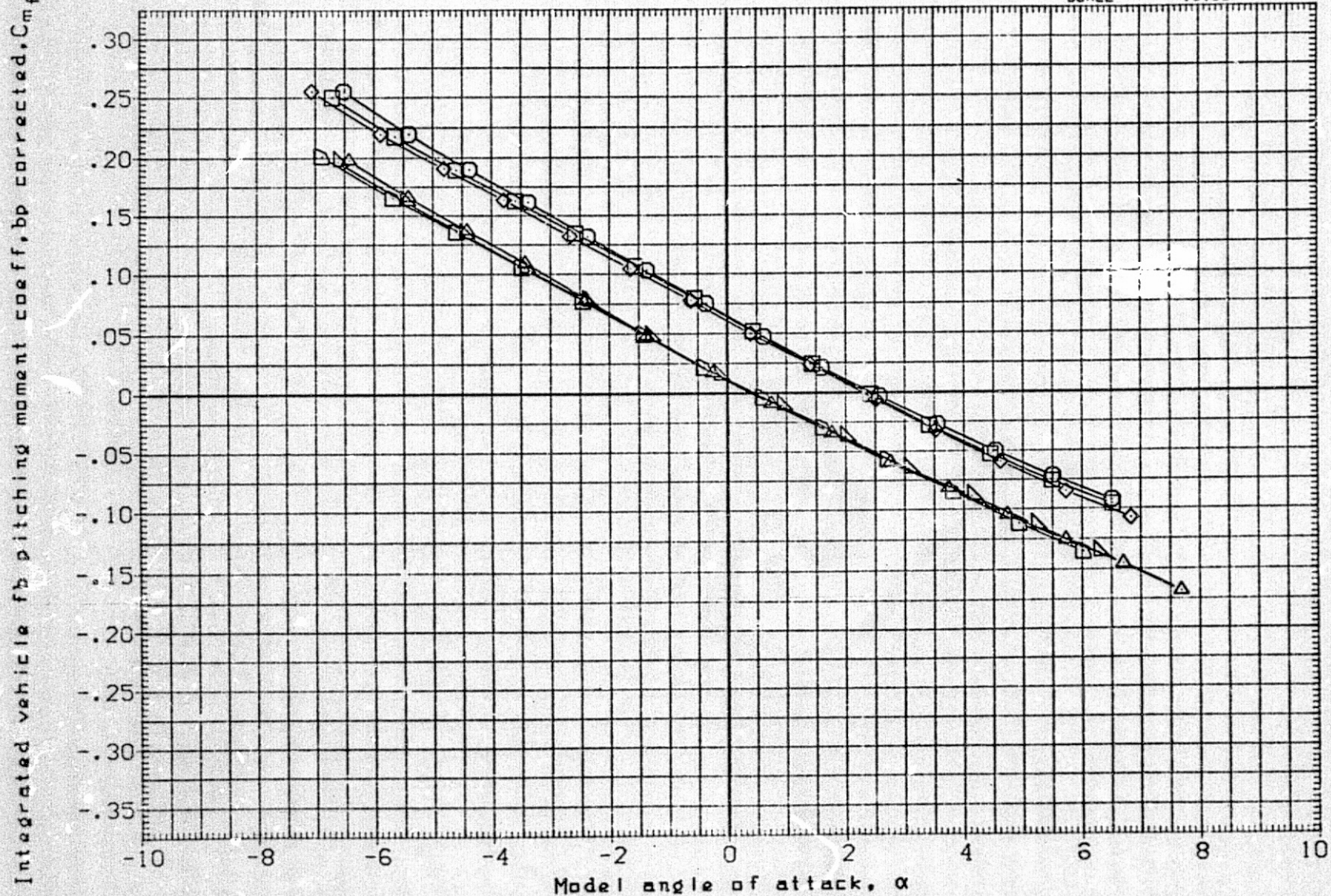


FIG 6 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.05, BETA 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-1L	ELV-1R	BETA	RN/L	REFERENCE INFORMATION
(AFKA03)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKA04)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	9.000	LREF 1290.3000 INCHES
(AFKA05)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	BREF 1290.3000 INCHES
(AFKA15)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	XMRP 976.0000 IN. XT
(AFKA16)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	9.000	YMRP .0000 IN. YT
(AFKA18)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

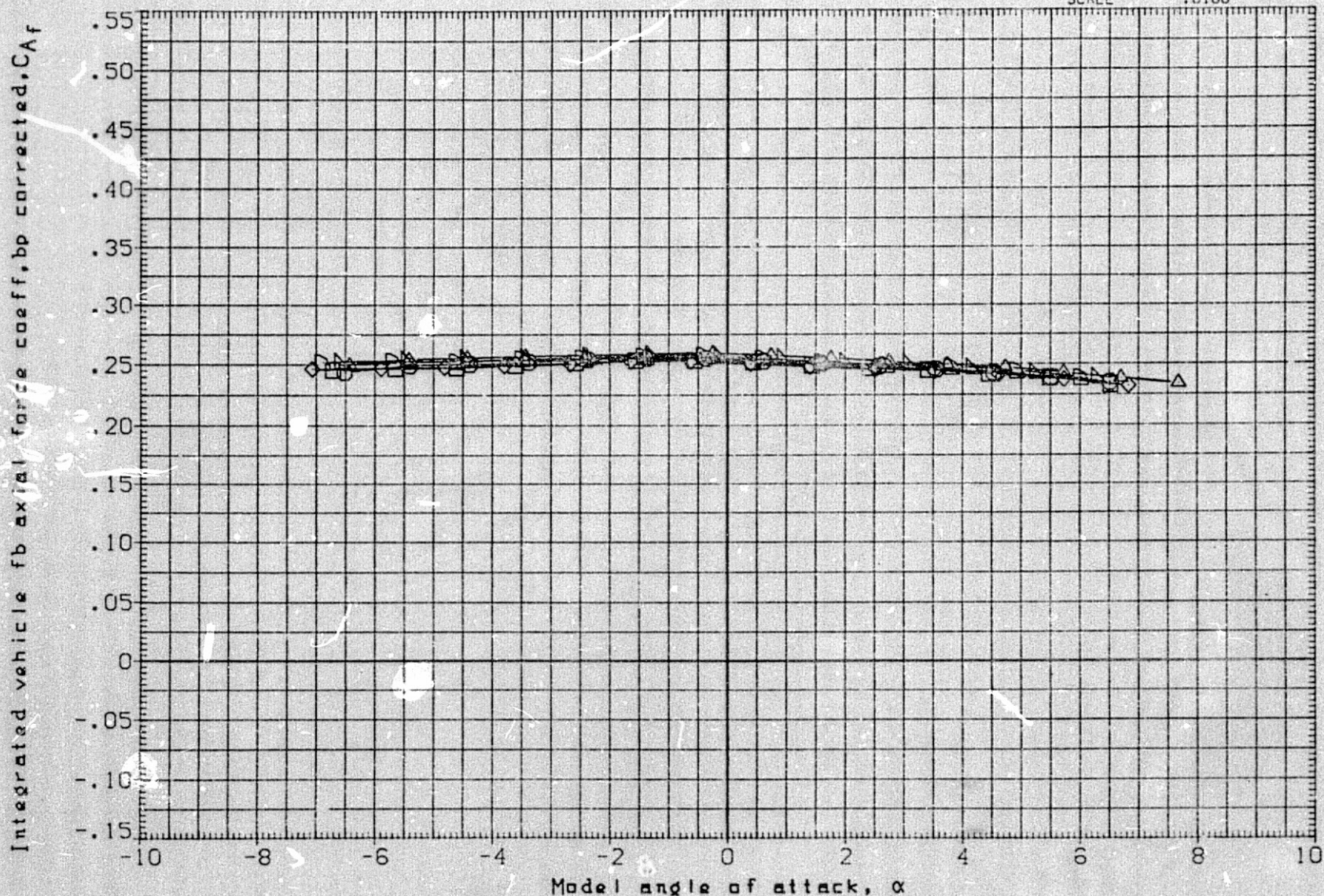


FIG 6 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.05, BETA 0

(A)MACH = 1.08

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA03)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKA04)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	9.000	LREF 1290.3000 INCHES
(AFKA05)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	BREF 1290.3000 INCHES
(AFKA15)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	XMRP 9/6.0000 IN. XT
(AFKA16)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	9.000	YMRP .0000 IN. YT
(AFKA18)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

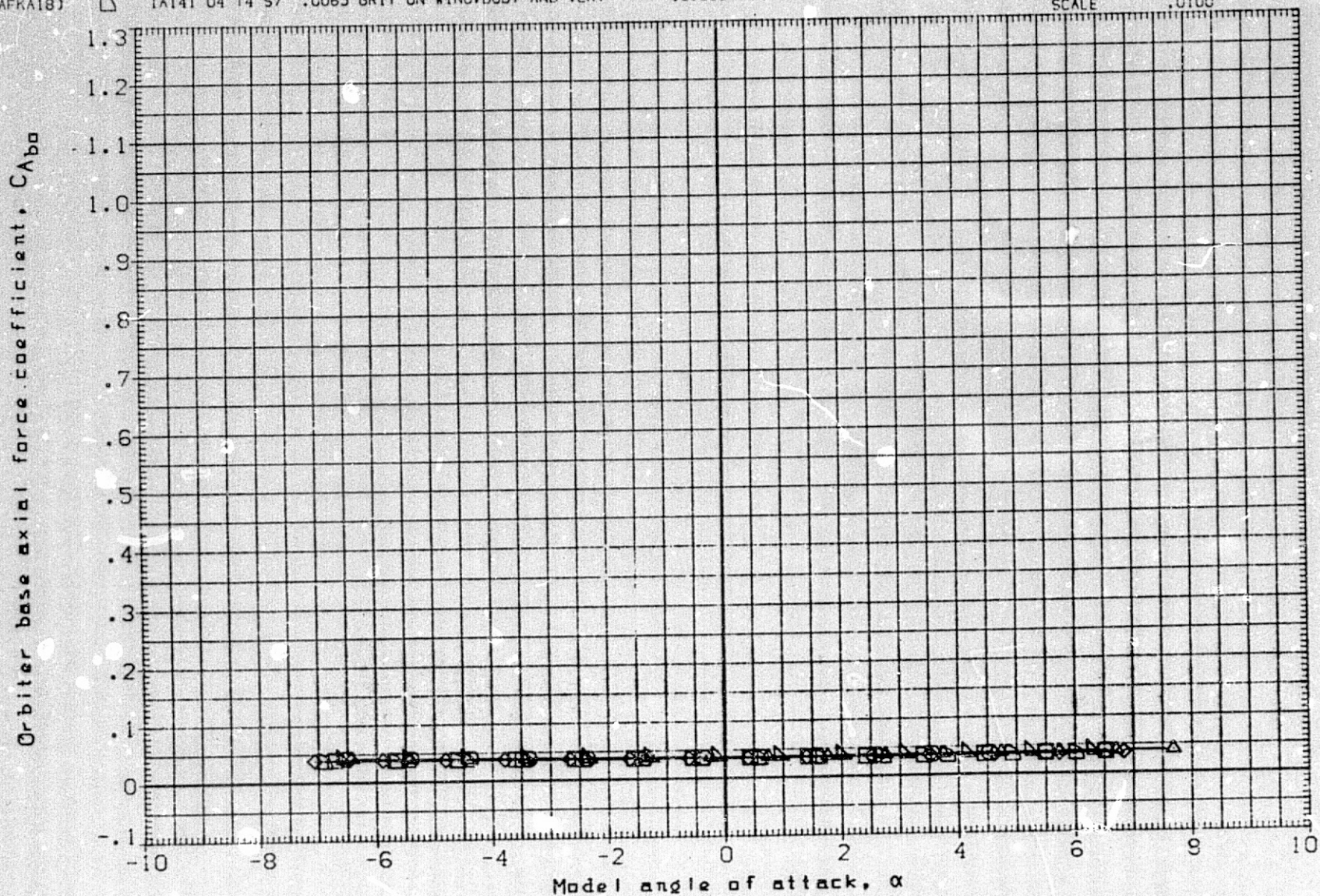


FIG 6 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.05, BETA 0

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION			
(AFKA03)		IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF	2690.0000	SO.FT.	
(AFKA04)		IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	9.000	LREF	1290.3000	INCHES	
(AFKA05)		IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	BREF	1290.3000	INCHES	
(AFKA15)		IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	XMRP	976.0000	IN. XT	
(AFKA16)		IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	9.000	YMRP	.0000	IN. YT	
(AFKA18)		IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	ZMRP	400.0000	IN. ZT	
								SCALE	.0100		

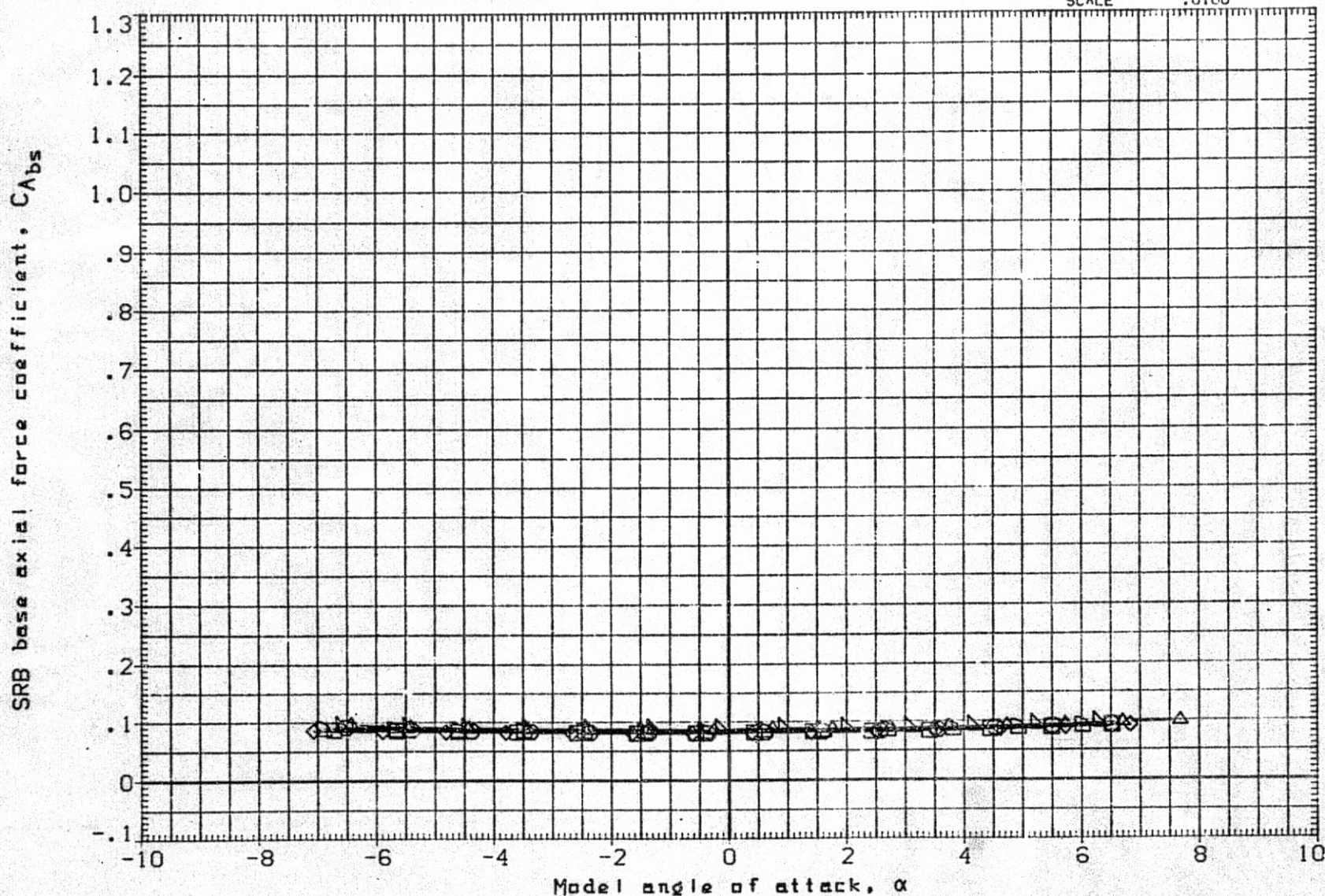


FIG 6 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.05, BETA 0

(A)MACH = 1.08

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA03)	○	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ. FT.
(AFKA04)	□	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	.000	9.000	LREF 1290.3000 INCHES
(AFKA05)	◇	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	.000	11.500	BREF 1290.3000 INCHES
(AFKA15)	△	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	.000	7.000	XMRP 976.0000 IN. XT
(AFKA16)	▽	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	.000	9.000	YMRP .0000 IN. YT
(AFKA18)	◇	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

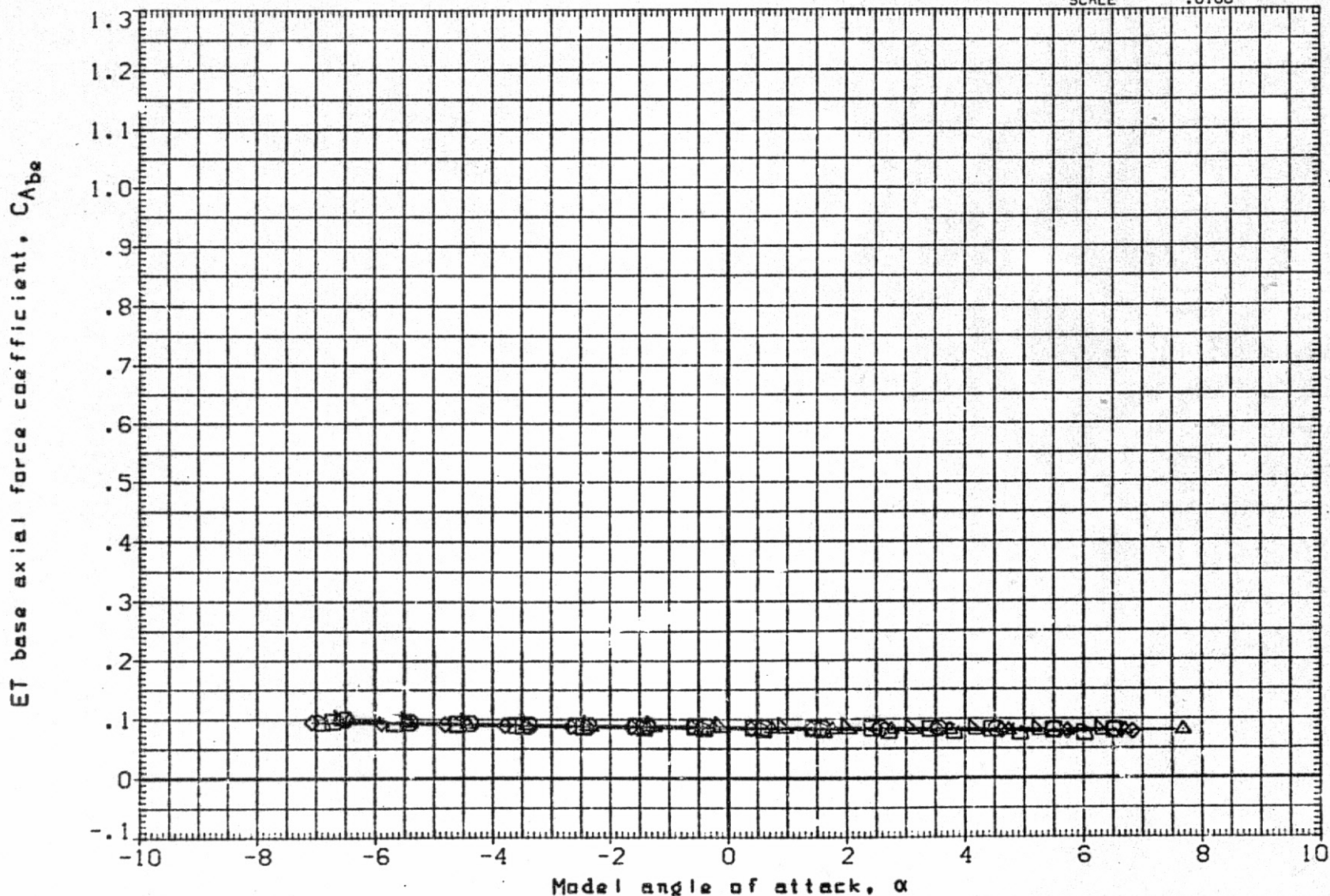


FIG 6 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.05, BETA 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA03)	□	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKA04)	□	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	.000	9.000	LREF 1290.3000 INCHES
(AFKA05)	◇	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	.000	11.500	BREF 1290.3000 INCHES
(AFKA15)	△	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	.000	7.000	XMRP 976.0000 IN. XT
(AFKA16)	△	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	.000	9.000	YMRP .0000 IN. YT
(AFKA18)	△	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

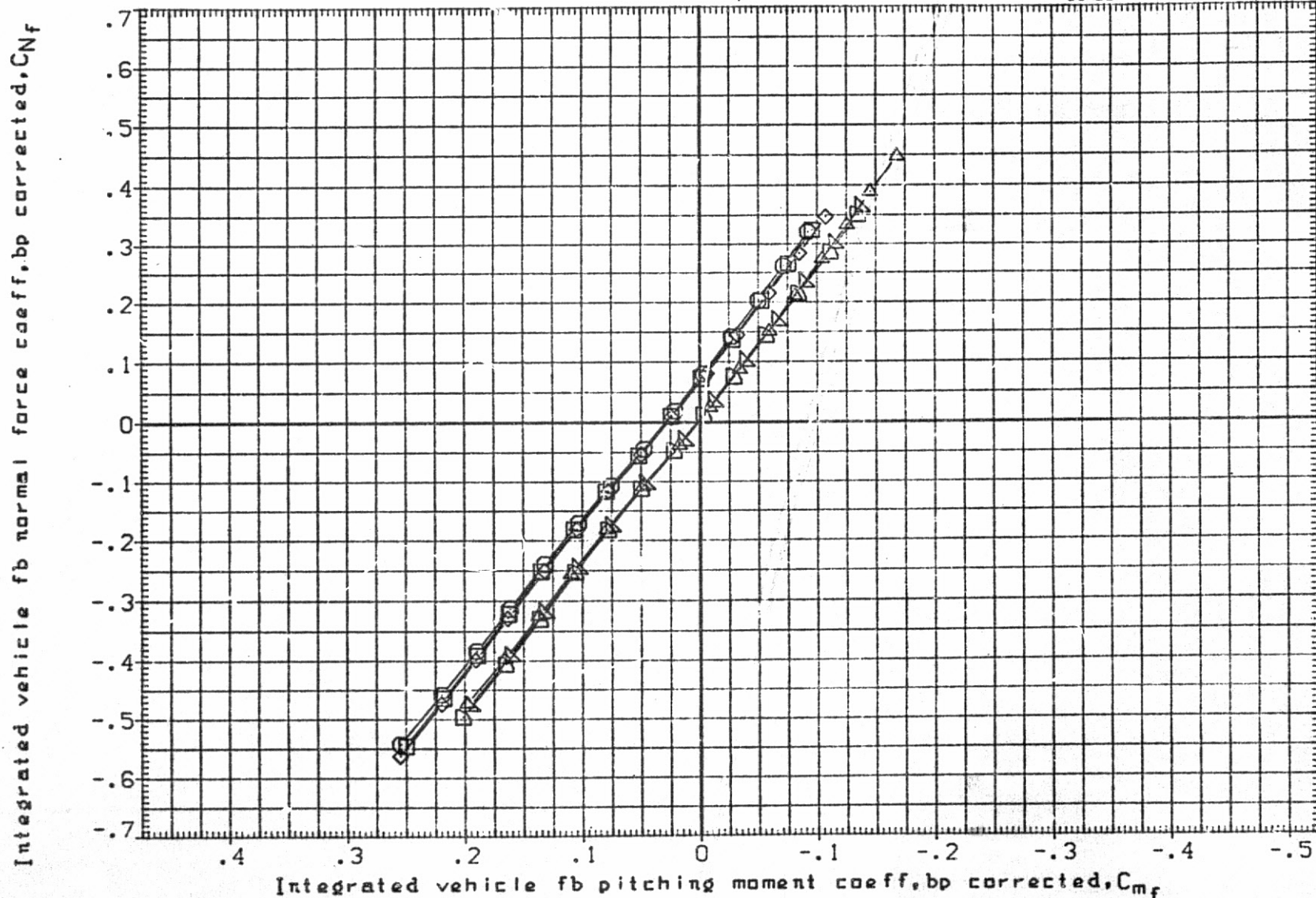


FIG 6 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH 1.05, BETA 0

(A)MACH = 1.08

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION		
(AFKC03)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF	2690.0000	SQ. FT.
(AFKC05)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	LREF	1290.3000	INCHES
(AFKC15)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	BREF	1290.3000	INCHES
(AFKC18)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	XMRP	976.0000	IN. XT
							YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

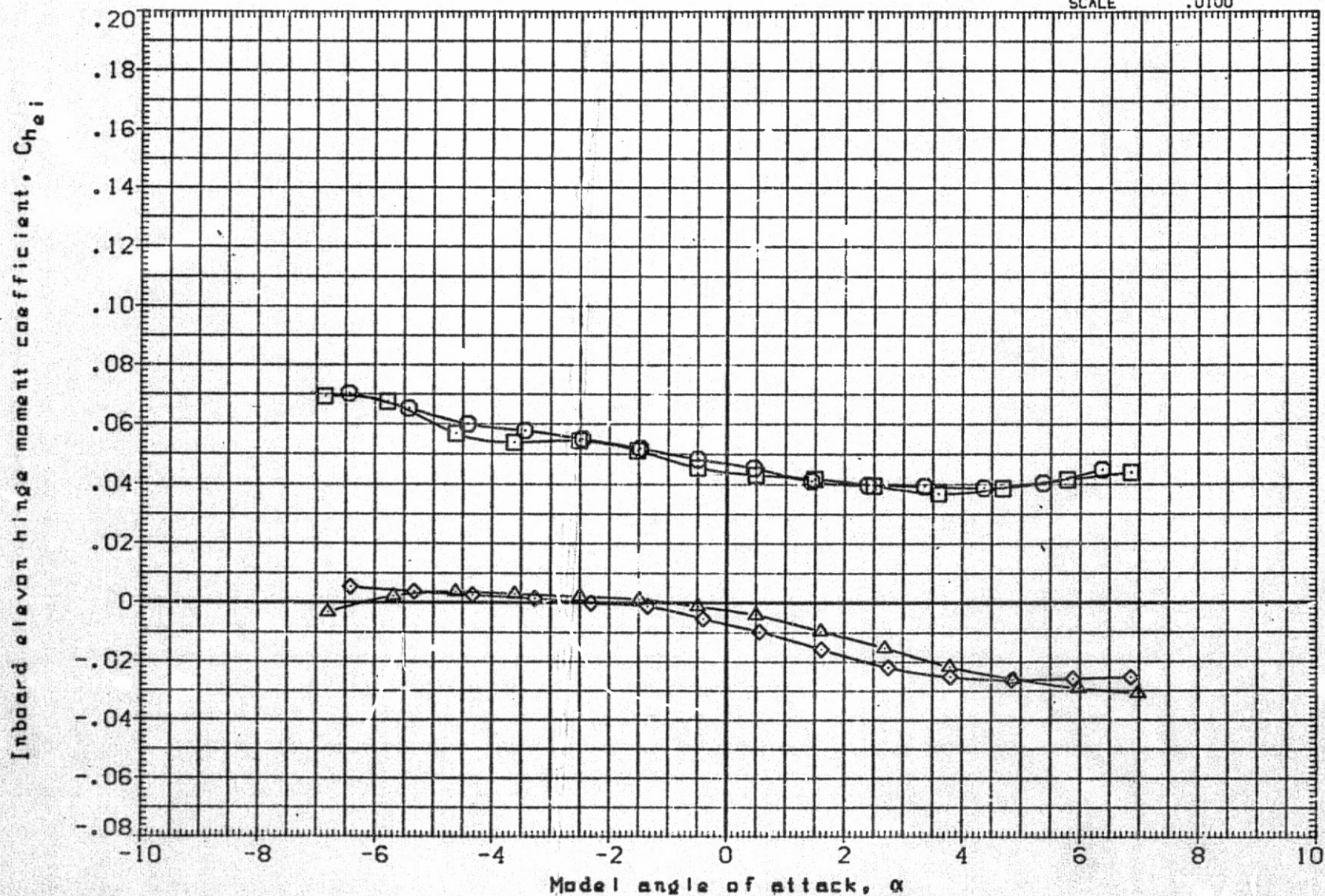


FIG 7 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH .975, BETA 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(AFKC03)	○	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT
(AFKC05)	□	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT
(AFKC15)	◇	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT
(AFKC18)	△	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT

ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION		
.000	.000	.000	7.000	SREF	2690.0000	50. FT.
.000	.000	.000	11.500	LREF	1290.3000	INCHES
10.000	10.000	.000	7.000	BREF	1290.3000	INCHES
10.000	10.000	.000	11.500	XMRP	976.0000	IN. XT
				YMRP	.0000	IN. YT
				ZMRP	400.0000	IN. ZT
				SCALE	.0100	

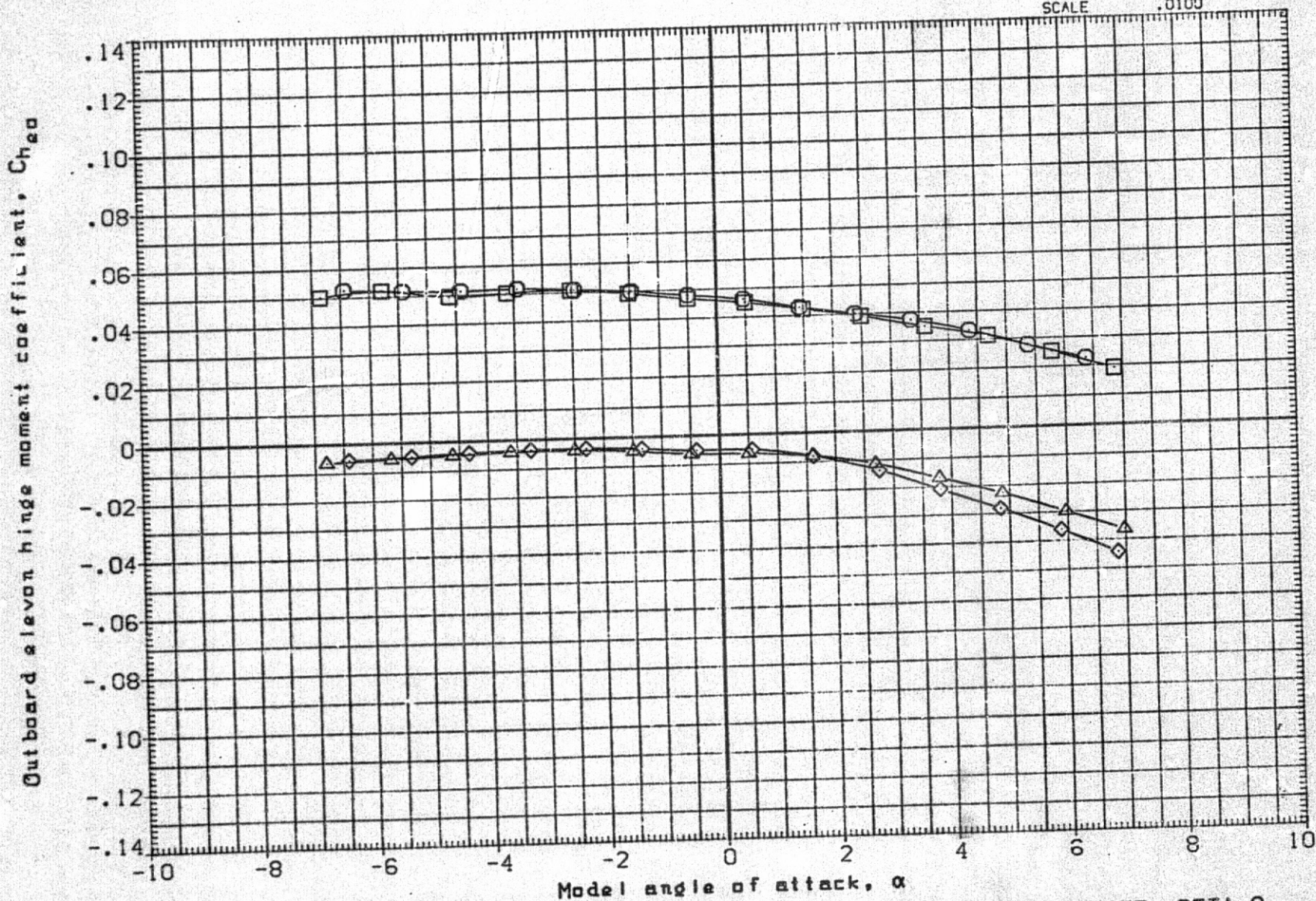


FIG 7 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH .975, BETA 0

(A)MACH = .98

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L
(AFKC03)	○	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	.000	7.000
(AFKC05)	□	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	.000	11.500
(AFKC15)	◇	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	10.000	10.000	.000	7.000
(AFKC18)	△	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	10.000	10.000	.000	11.500

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

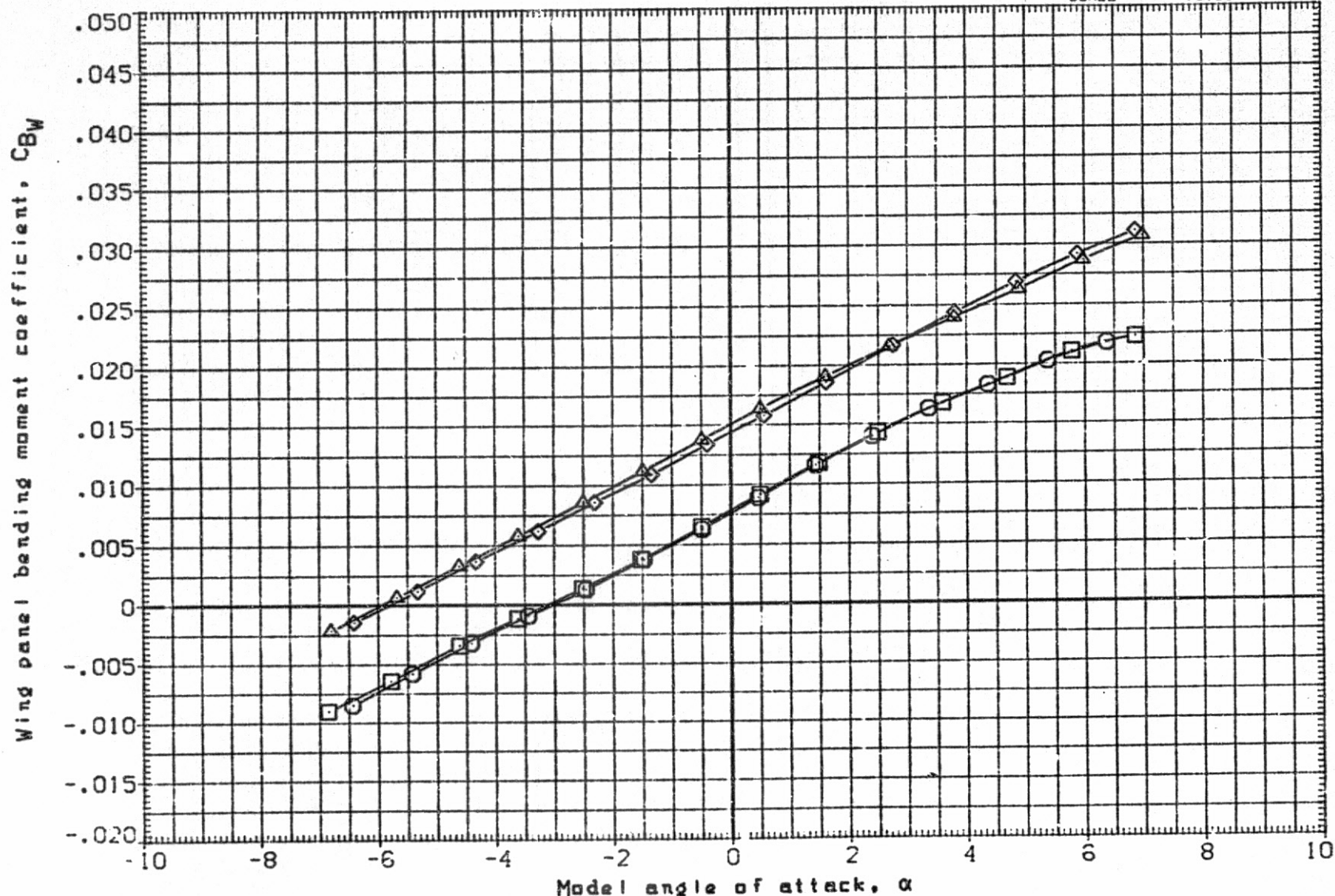


FIG 7 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH .975, BETA 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKC03)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ. FT.
(AFKC05)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKC15)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	BREF 1290.3000 INCHES
(AFKC18)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	XMRP 976.0000 IN. XT
							YMRP .0000 IN. YT
							ZMRP 400.0000 IN. ZT
							SCALE .0100

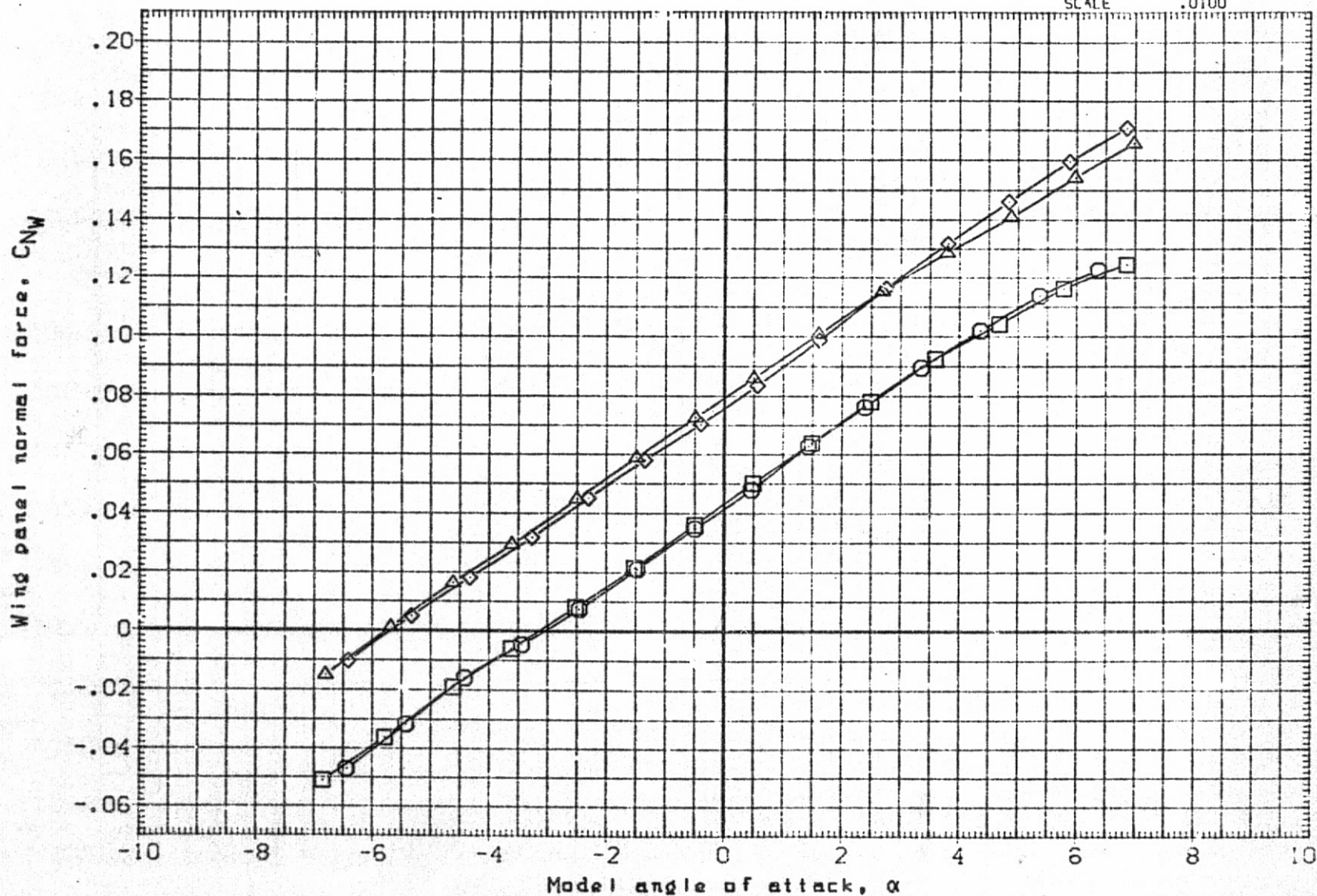


FIG 7 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH .975, BETA 0

(A)MACH = .98

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKC03)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKC05)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKC15)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	BREF 1290.3000 INCHES
(AFKC18)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	XMRP 976.0000 IN. XT
							YMRP .0000 IN. YT
							ZMRP 400.0000 IN. ZT
							SCALE .0100

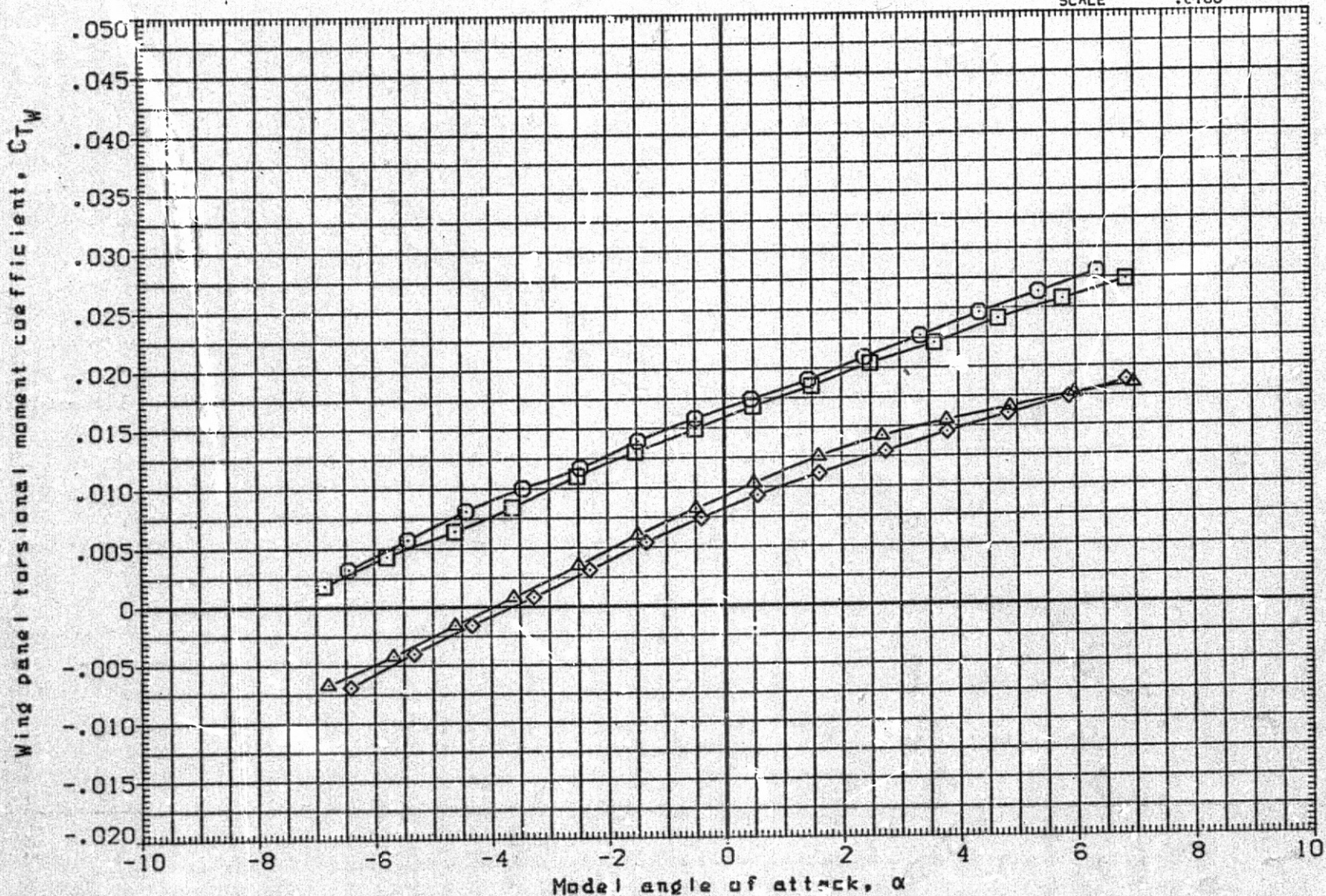


FIG 7 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH .975, BETA 0

(A)MACH = .98

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA03)	○	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKA05)	◇	I/141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	LREF 1290.0000 INCHES
(AFKA15)	◇	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	BREF 1290.0000 INCHES
(AFKA18)	△	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	XMRP 976.0000 IN. XT
								YMRP .0000 IN. YT
								ZMRP 400.0000 IN. ZT
								SCALE .0100

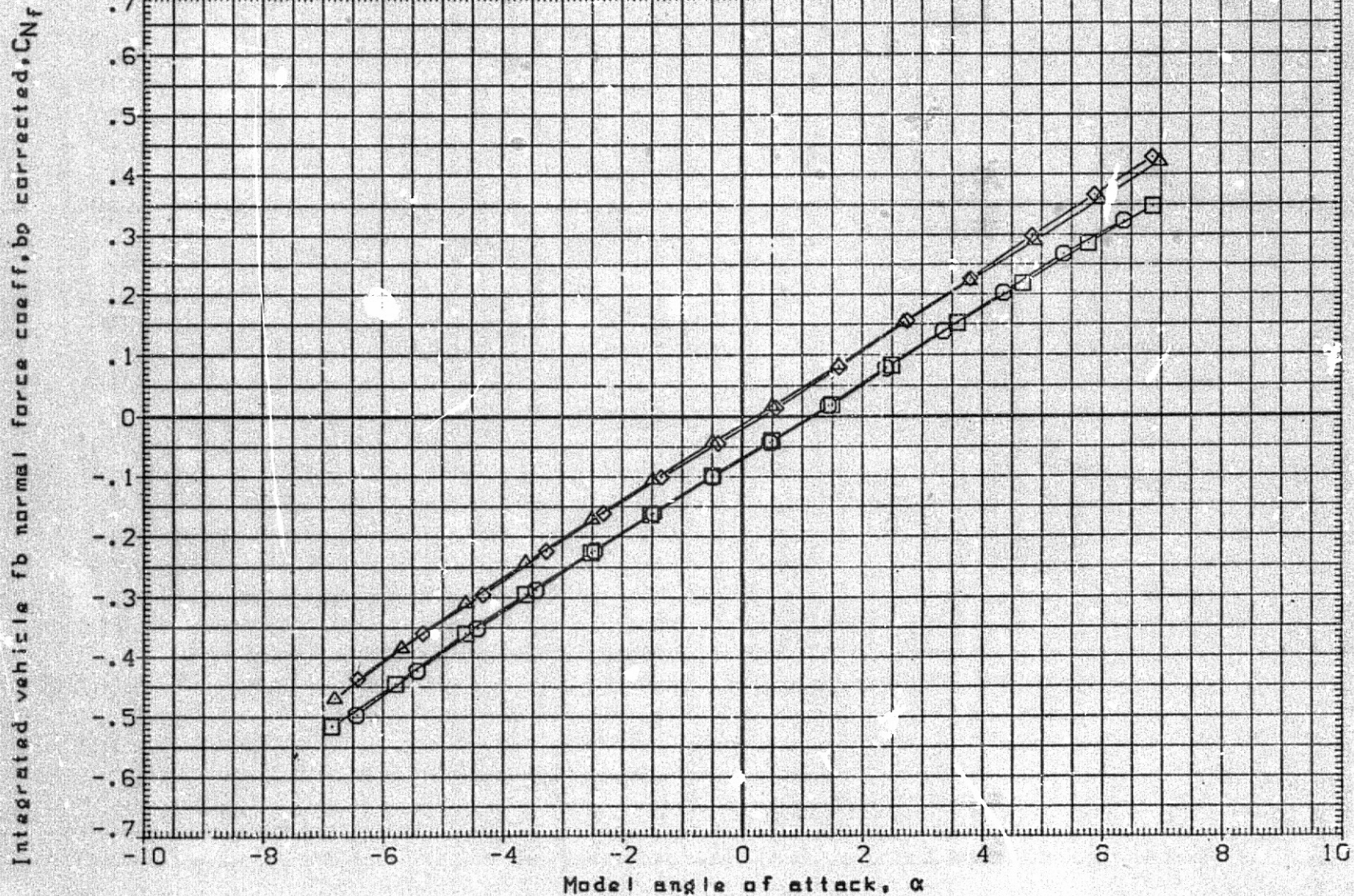


FIG 7 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH .975, BETA 0

(A) MACH = .98

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION		
(AFK033)	○	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF	2690.0000	SQ.FT.
(AFKA05)	□	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	LREF	1290.3000	INCHES
(AFKA15)	◇	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	BREF	1290.3000	INCHES
(AFKA18)	△	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	XMRP	976.0000	IN. XT
							YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

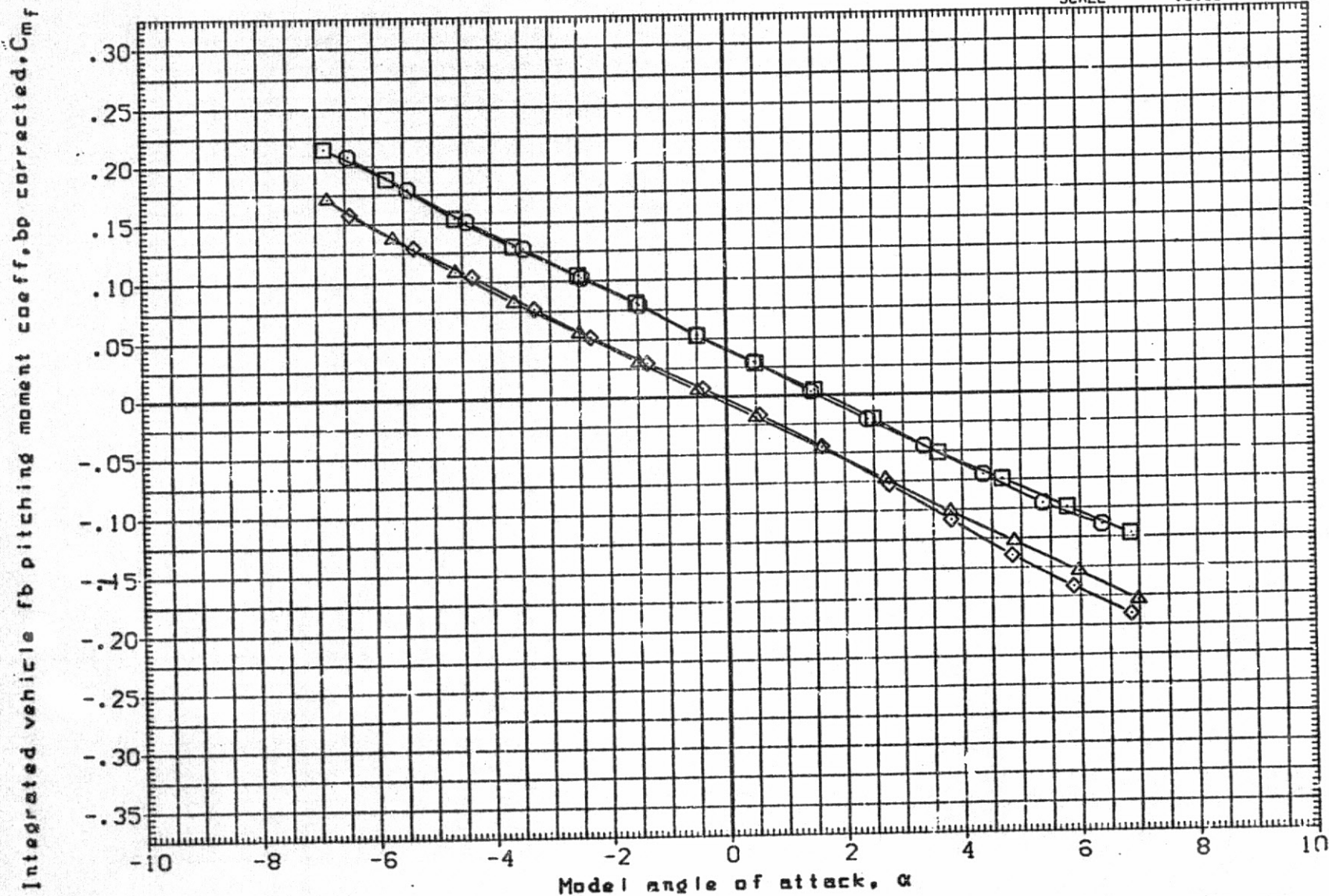


FIG 7 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH .975, BETA 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION		
(AFKA03)	□	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	.000	7.000	SREF	2690.0000	50. FT.
(AFKA05)	○	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	.000	11.500	LREF	1290.3000	INCHES
(AFKA15)	△	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	.000	7.000	BREF	1290.3000	INCHES
(AFKA18)	△	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	.000	11.500	XMRP	976.0000	IN. XT
							YMRP	.0000	IN. YT
							ZMRP	400.0000	IN. ZT
							SCALE	.0100	

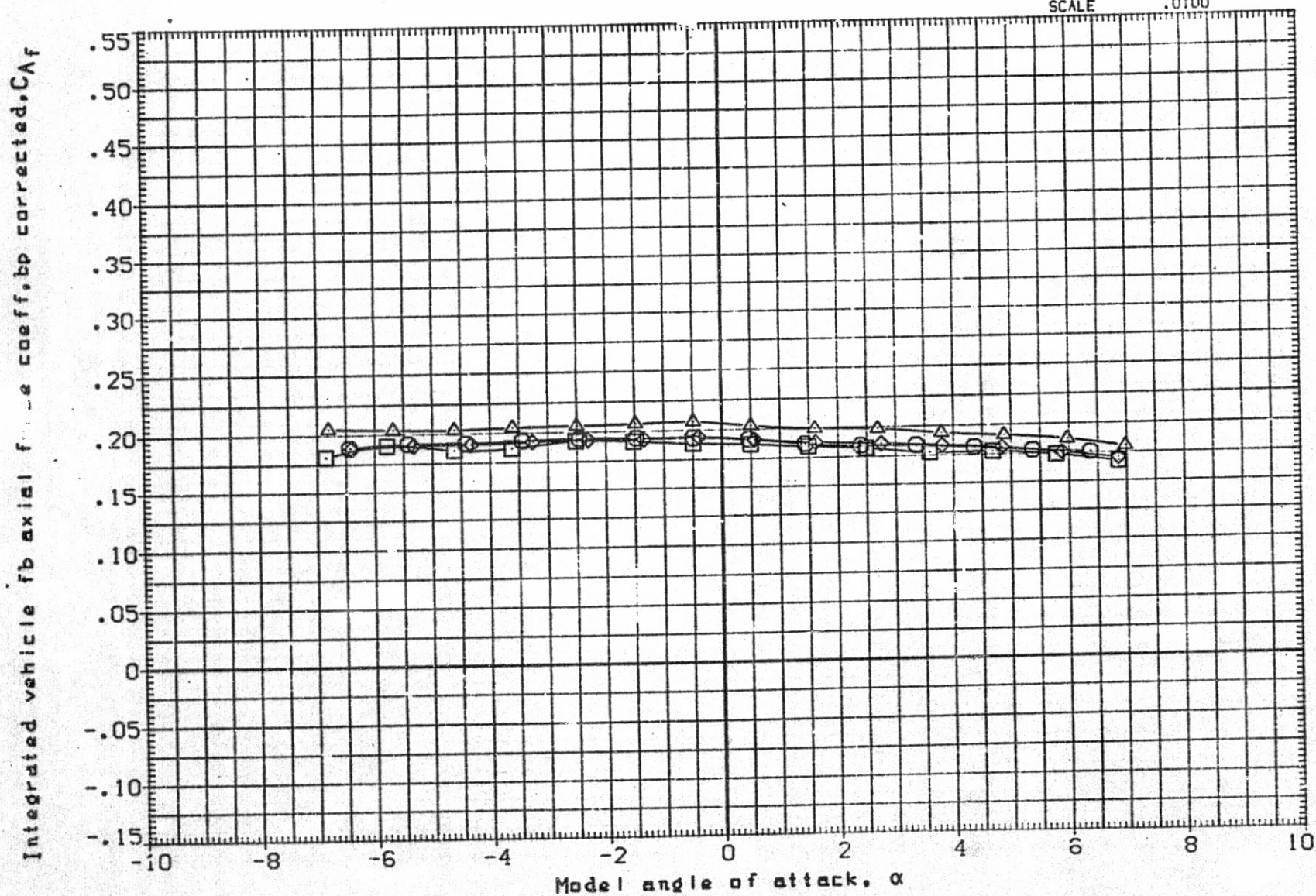


FIG 7 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH .975, BETA 0

(A) MACH = .98

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA03)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ. FT.
(AFKA05)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKA15)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	BREF 1290.3000 INCHES
(AFKA18)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	XMRP 976.0000 IN. XT
							YMRP .0000 IN. YT
							ZMRP 400.0000 IN. ZT
							SCALE .0100

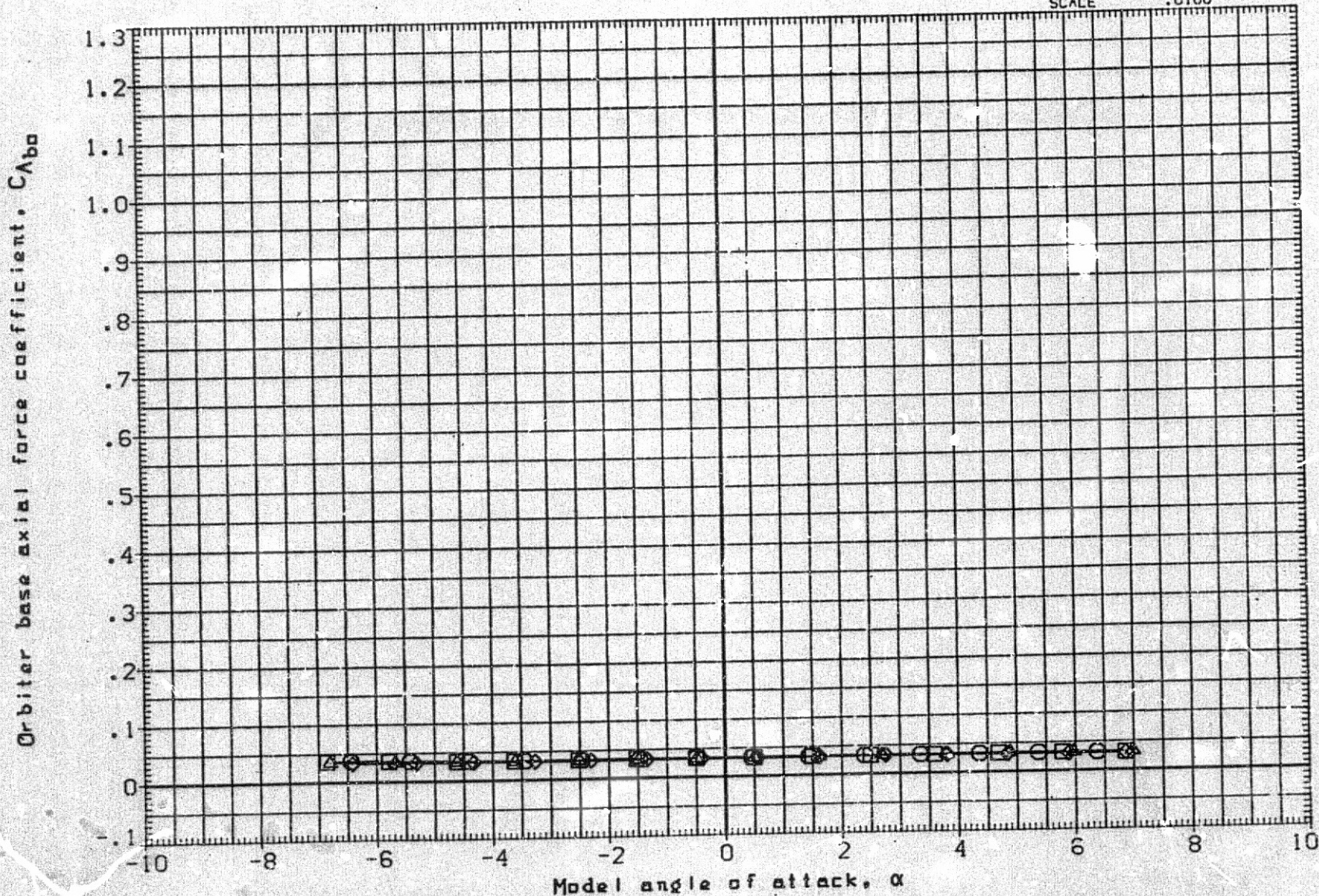


FIG 7 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH .975, BETA 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA03)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKA05)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKA15)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	BREF 1290.3000 INCHES
(AFKA18)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	XMRP 976.0000 IN. XT
							YMRP .0000 IN. YT
							ZMRP 400.0000 IN. ZT
							SCALE .0100

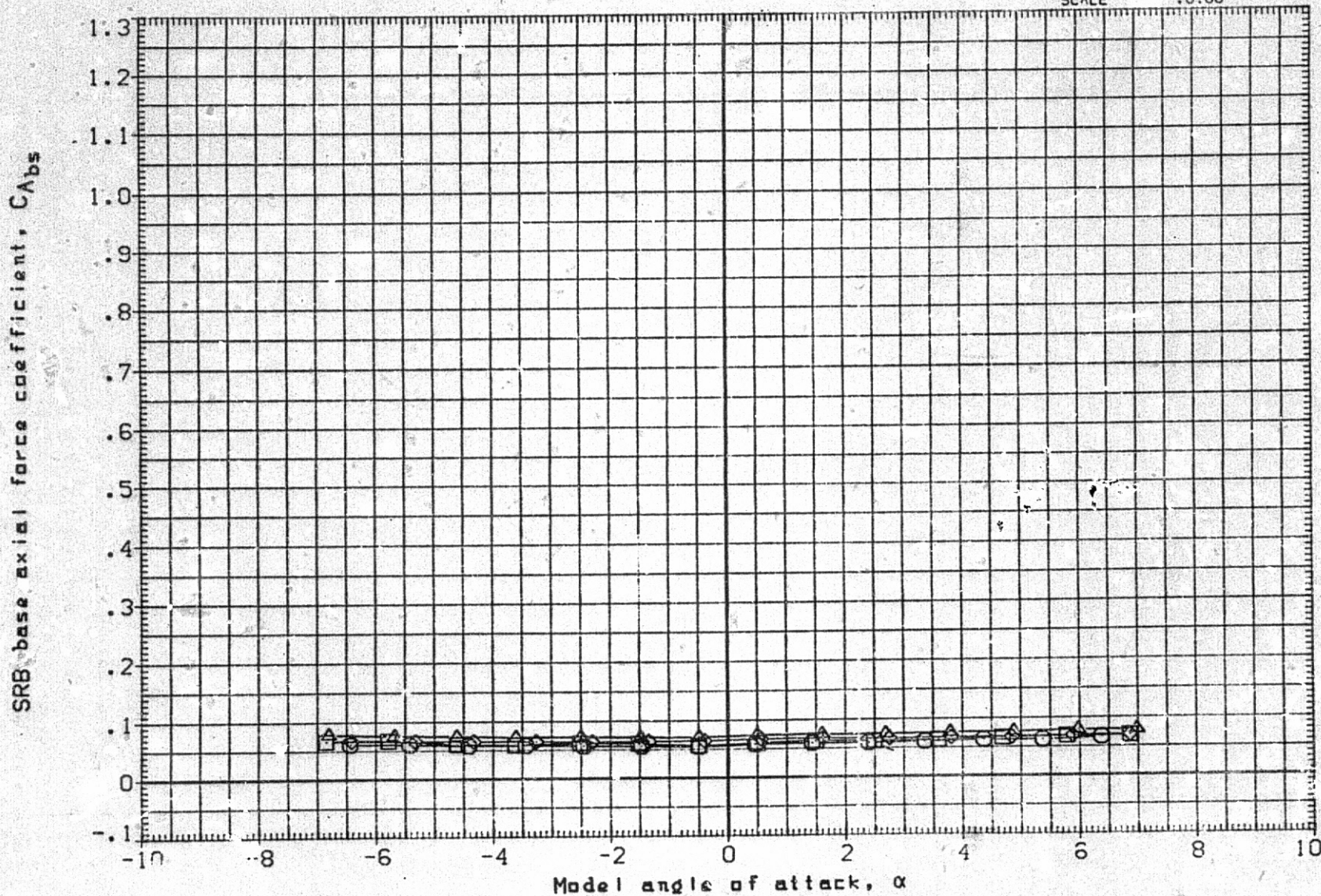


FIG 7. EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH .975, BETA 0

(A)MACH = .98

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA03)	○	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	-.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKA05)	□	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKA15)	◇	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	10.000	10.000	.000	7.000	BREF 1290.3000 INCHES
(AFKA18)	△	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	10.000	10.000	.000	11.500	XMRP 976.0000 IN. XT YMRP .0000 IN. YT ZMRP 400.0000 IN. ZT SCALE .0100

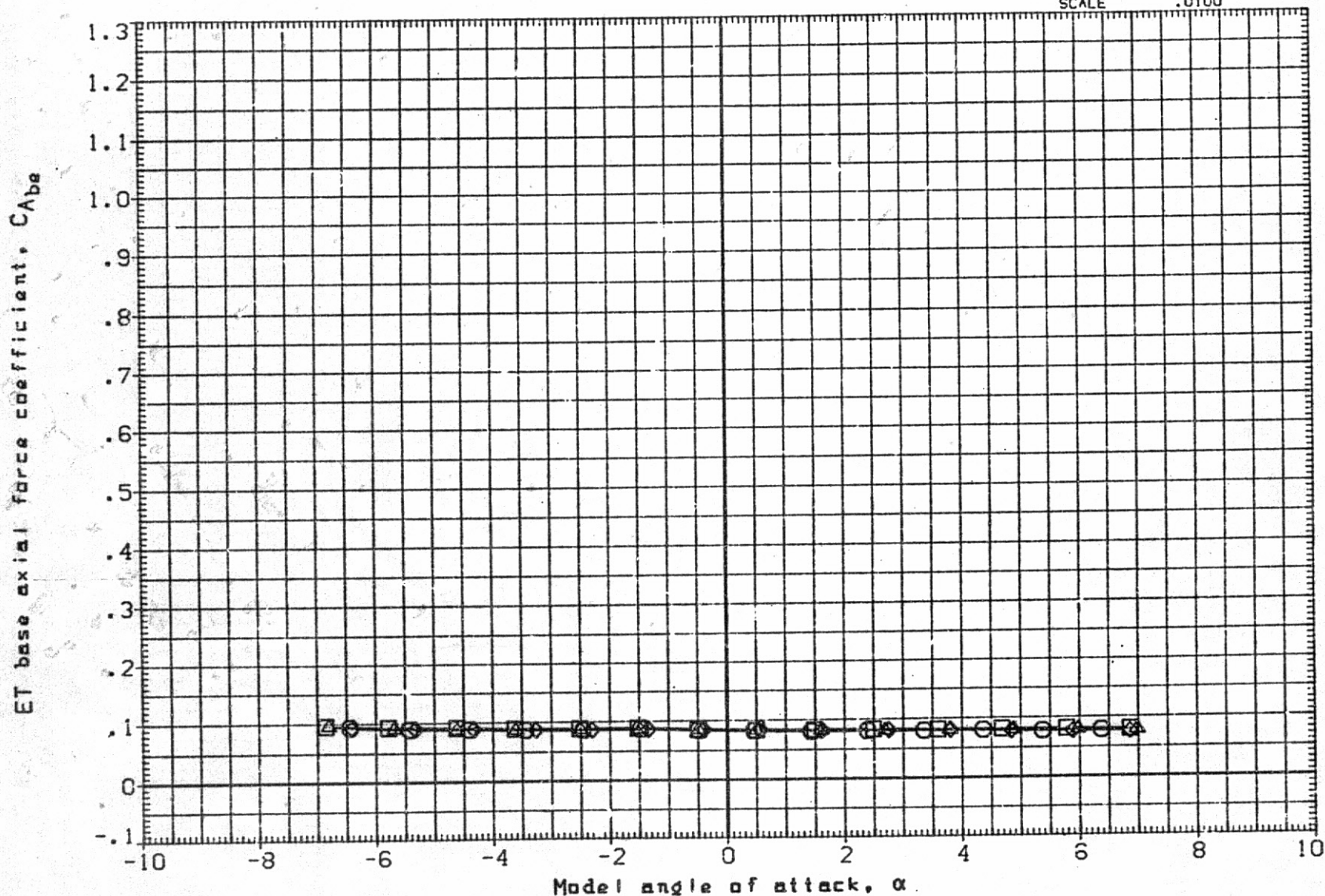


FIG 7 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH .975, BETA 0

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION
(AFKA03)	○	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT
(AFKA05)	□	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VEPT
(AFKA15)	◇	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT
(AFKA18)	△	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT

ELV-IL	ELV-IR	BETA	RN/L
.000	.000	.000	7.000
.000	.000	.000	11.500
10.000	10.000	.000	7.000
10.000	10.000	.000	11.500

REFERENCE INFORMATION		
SREF	2690.0000	SO.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

Integrated vehicle fb normal force coeff, bp corrected, C_{Nf}

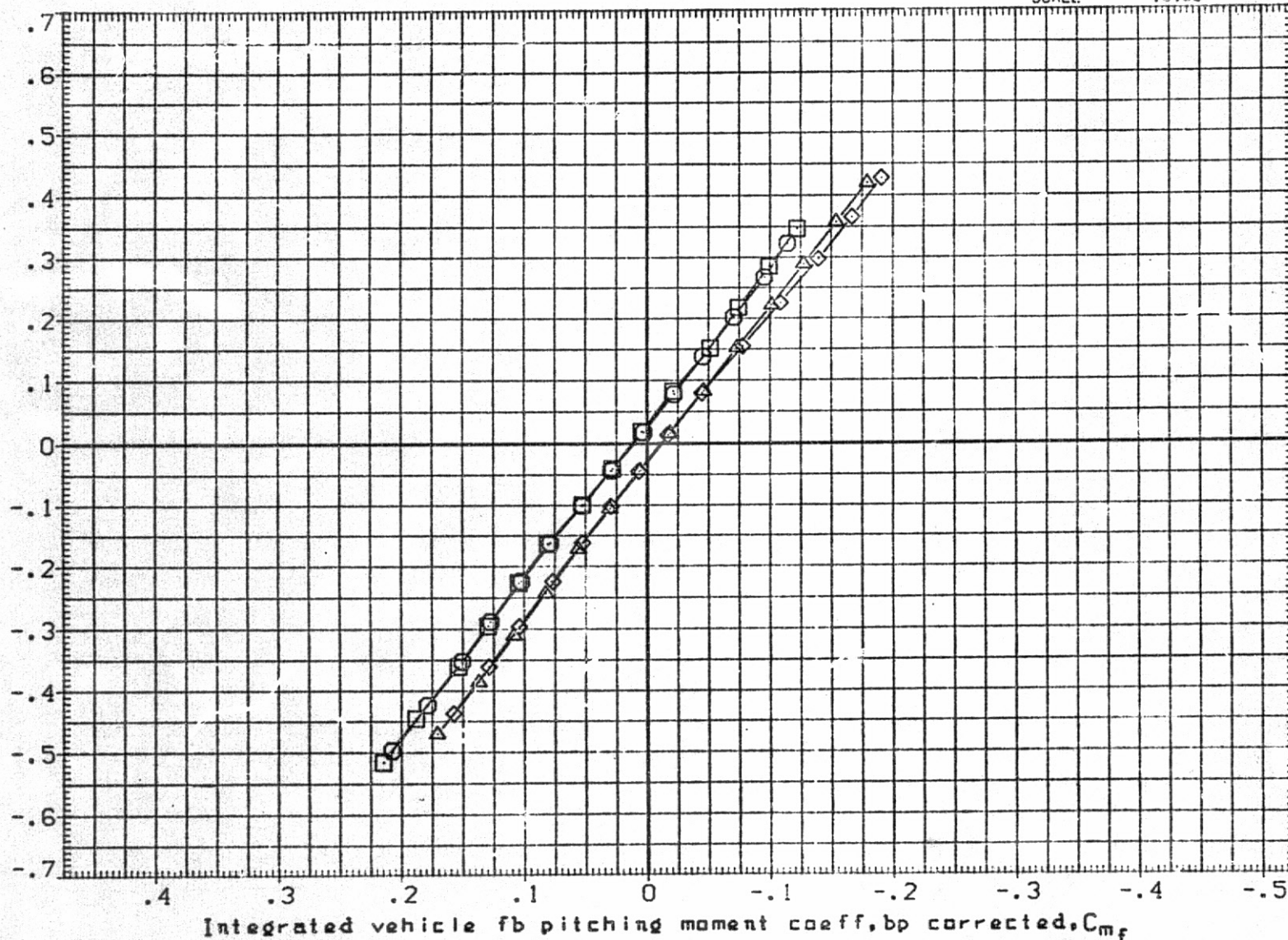


FIG 7 EFFECT OF REYNOLDS NUMBER ON ELEVON EFFECTIVENESS, MACH .975, BETA 0

(A)MACH = .98

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKCO1)	○	IA141 03 T5 S8 NO GRIT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKCO5)	□	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKCO7)	◇	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	6.000	11.500	BREF 1290.3000 INCHES
(AFKCO9)	△	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	-6.000	11.500	XMRP 976.0000 IN. XT
							YMRP .0000 IN. YT
							ZMRP 400.0000 IN. ZT
							SCALE .0100

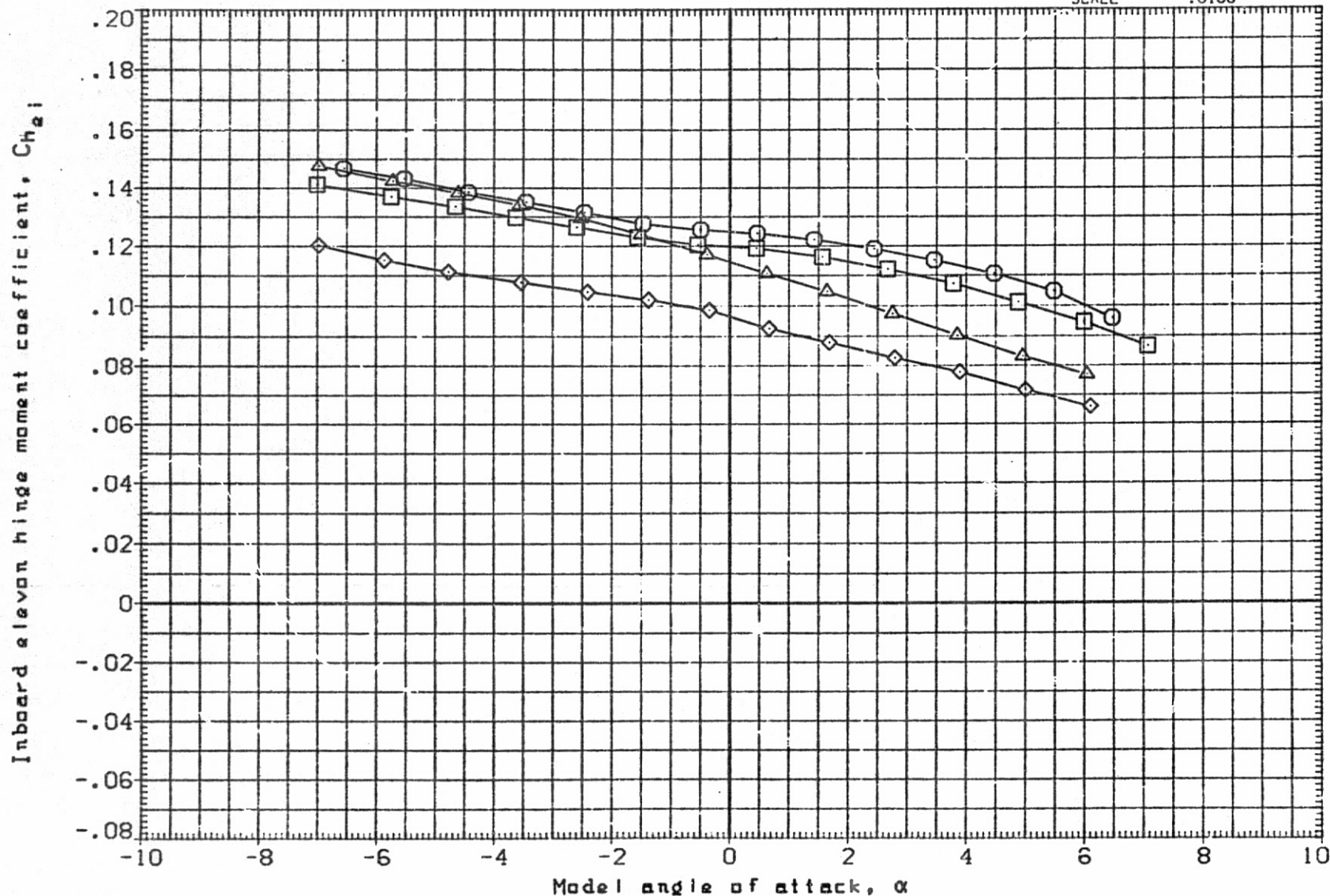


FIG 8 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.25, ELEVON 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKCO1)	□	IA141 03 T5 S8 NO GRIT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKCO5)	○	IA:41 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKCO7)	◇	IA141 J4 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	6.000	11.500	BREF 1290.3000 INCHES
(AFKCO9)	△	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	-6.000	11.500	XMRP 976.0000 IN. XT
							YMRP .0000 IN. YT
							ZMRP 400.0000 IN. ZT
							SCALE .0100

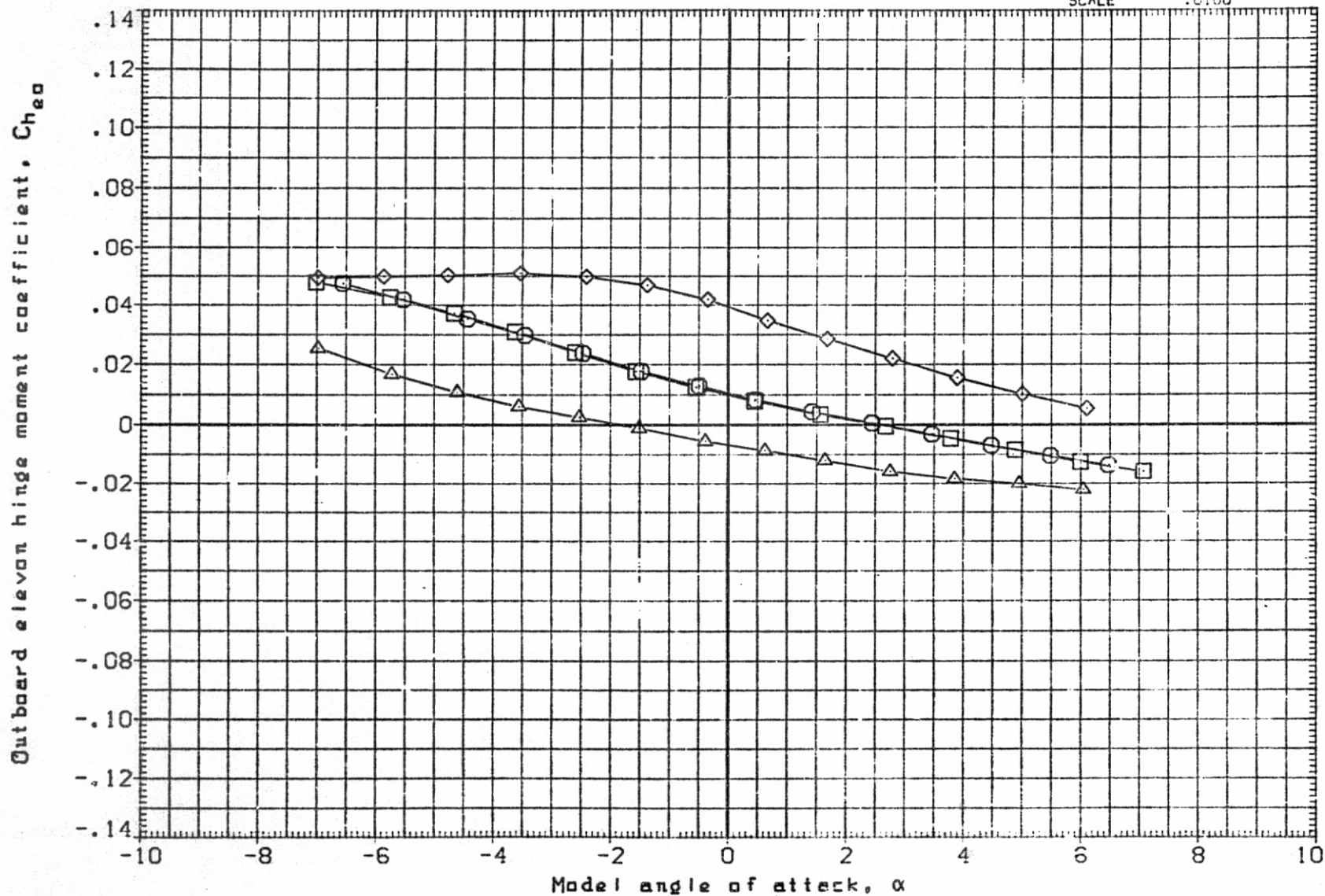


FIG 8 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.25, ELEVON 0

(A)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L
(AFKC01)	○	1A141 03 T5 S8 NO GRIT	.000	.000	.000	7.000
(AFKC05)	□	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500
(AFKC07)	◇	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	6.000	11.500
(AFKC09)	△	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	-6.000	11.500

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

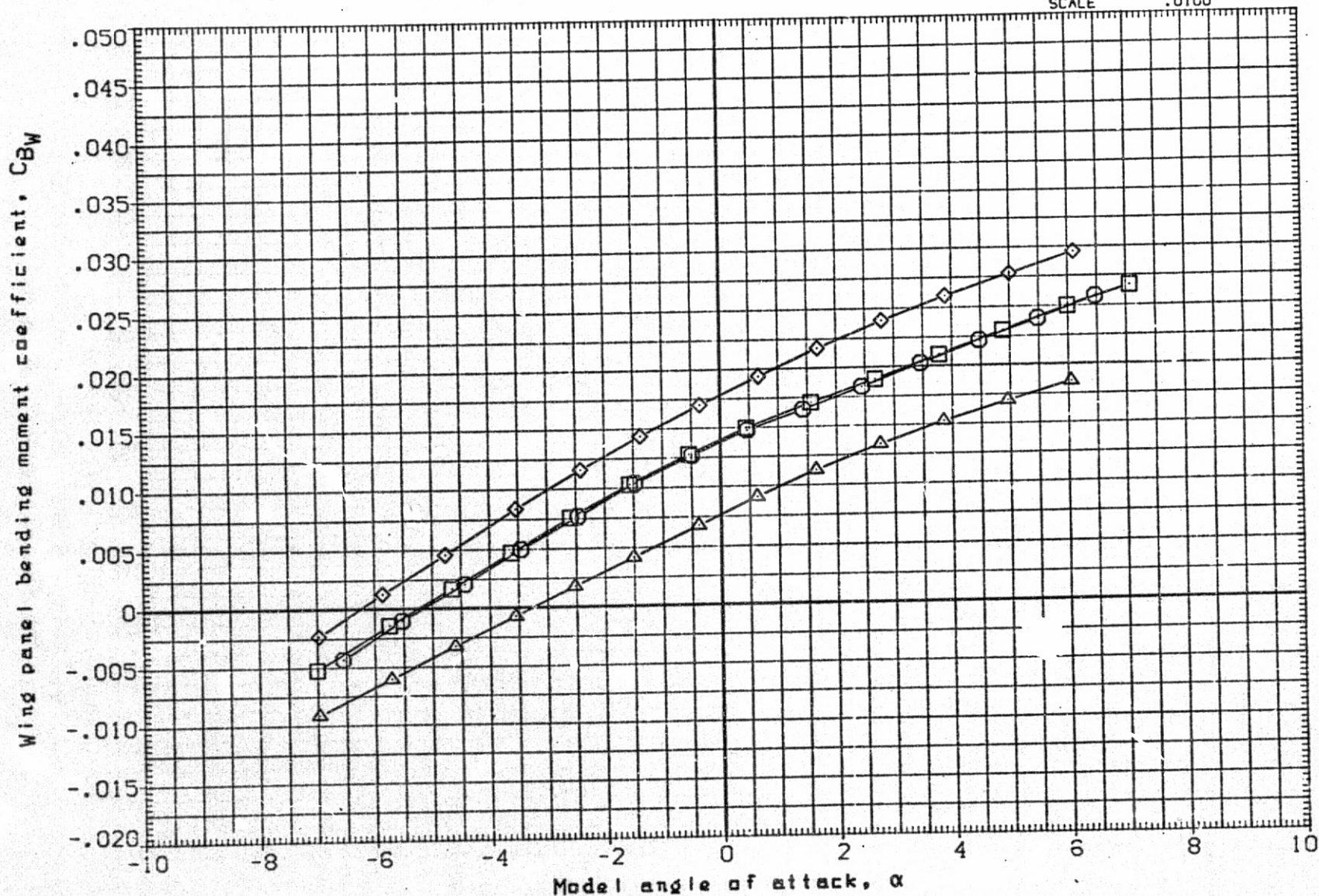


FIG 8 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.25, ELEVON 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	M/L	REFERENCE INFORMATION
(AFKC01)	○	IA141 03 T5 S8 NO GRIT	.000	.000	.000	7.000	SREF 2690.0000 SQ. FT.
(AFKC05)	□	IA141 04 T4 S7 .0065 GRIT ON WING, BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKC07)	◇	IA141 04 T4 S7 .0065 GRIT ON WING, BODY AND VERT	.000	.000	6.000	11.500	BREF 1290.3000 INCHES
(AFKC09)	△	IA141 04 T4 S7 .0065 GRIT ON WING, BODY AND VERT	.000	.000	-6.000	11.500	XMRP 976.0000 IN. XT
							YMRP .0000 IN. YT
							ZMRP 400.0000 IN. ZT
							SCALE .0100

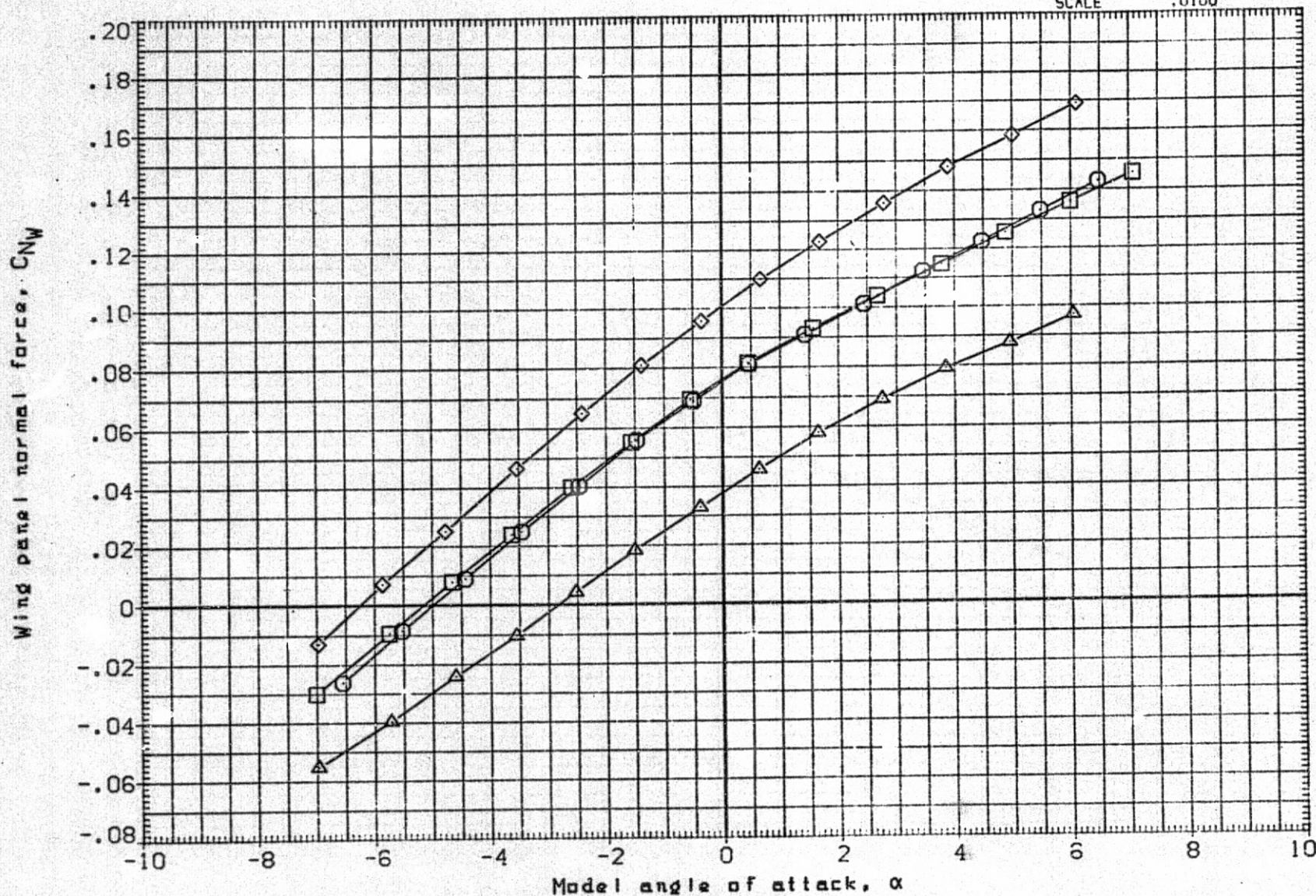


FIG 8 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.25, ELEVON 0

(A)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L
(AFKC01)	○	IA141 03 T5 S8 NO GRIT	.000	.000	.000	7.000
(AFKC05)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500
(AFKC07)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	6.000	11.500
(AFKC09)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	-6.000	11.500

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. XT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

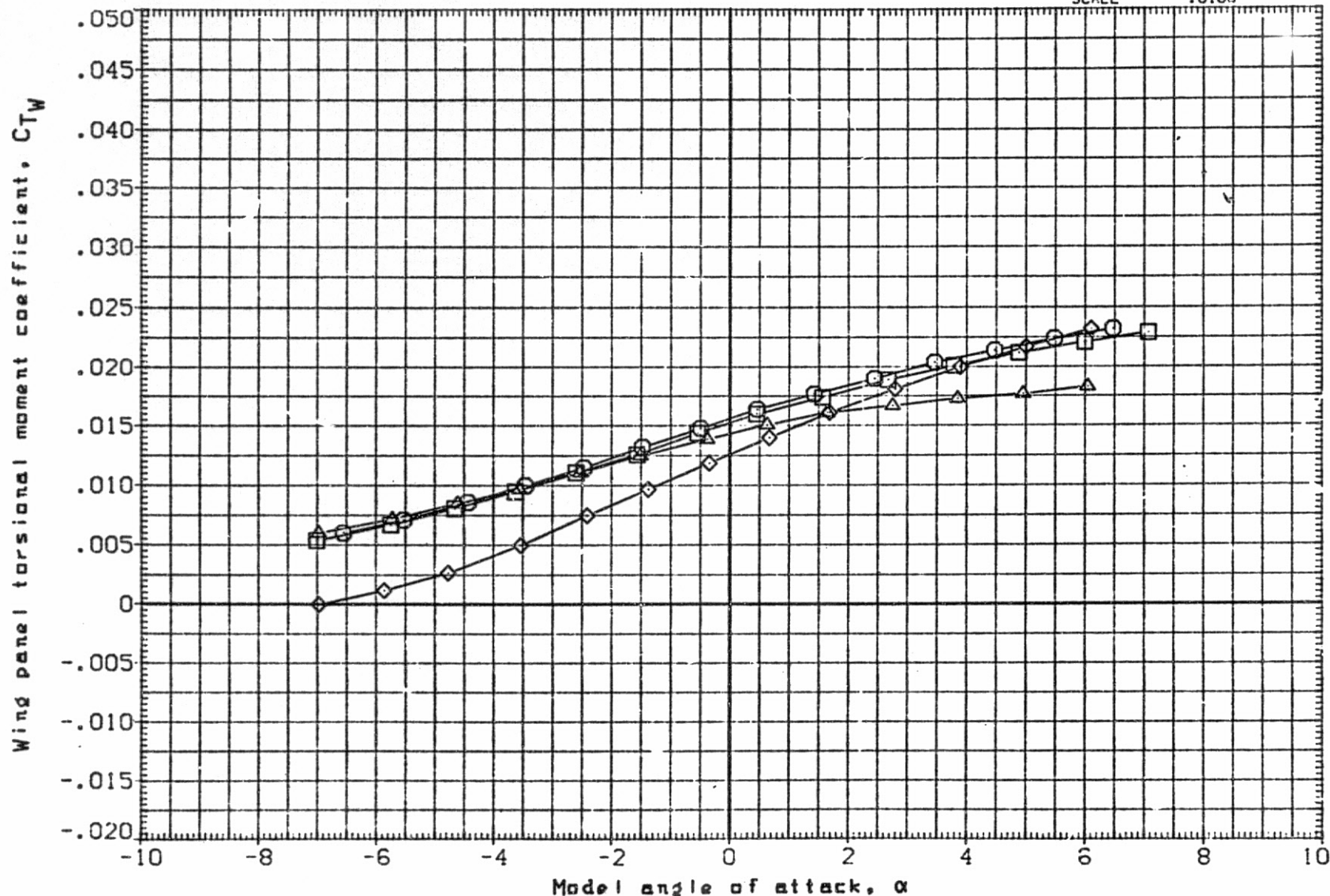


FIG 8 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.25, ELEVON 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA01)	○	IA141 03 T5 S8 NO GRIT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKA05)	□	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKA07)	◇	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	6.000	11.500	BREF 1290.3000 INCHES
(AFKA09)	△	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	-6.000	11.500	XMRP 976.0000 IN. XT
							YMRP .0000 IN. YT
							ZMRP 400.0000 IN. ZT
							SCALE .0100

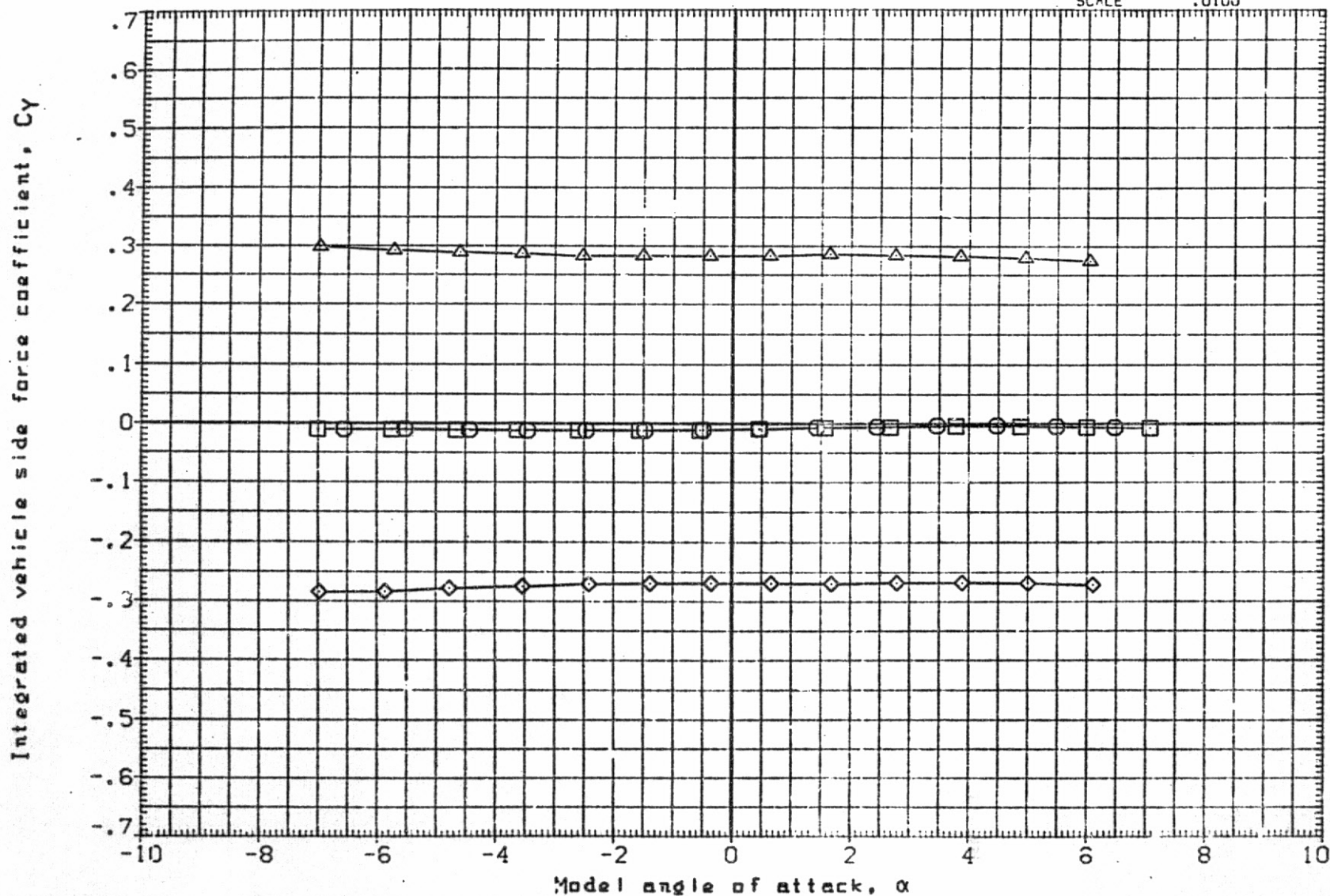


FIG 8 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.25, ELEVON 0

(A)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L
(AFKA01)	○	IA141 03 T5 S8 NO GRIT	.000	.000	.000	7.000
(AFKA05)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500
(AFKA07)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	6.000	11.500
(AFKA09)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	-6.000	11.500

REFERENCE INFORMATION		
SREF	2690.0000	SO.FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

Integrated vehicle yawing moment coefficient, $C_n(BODY)$

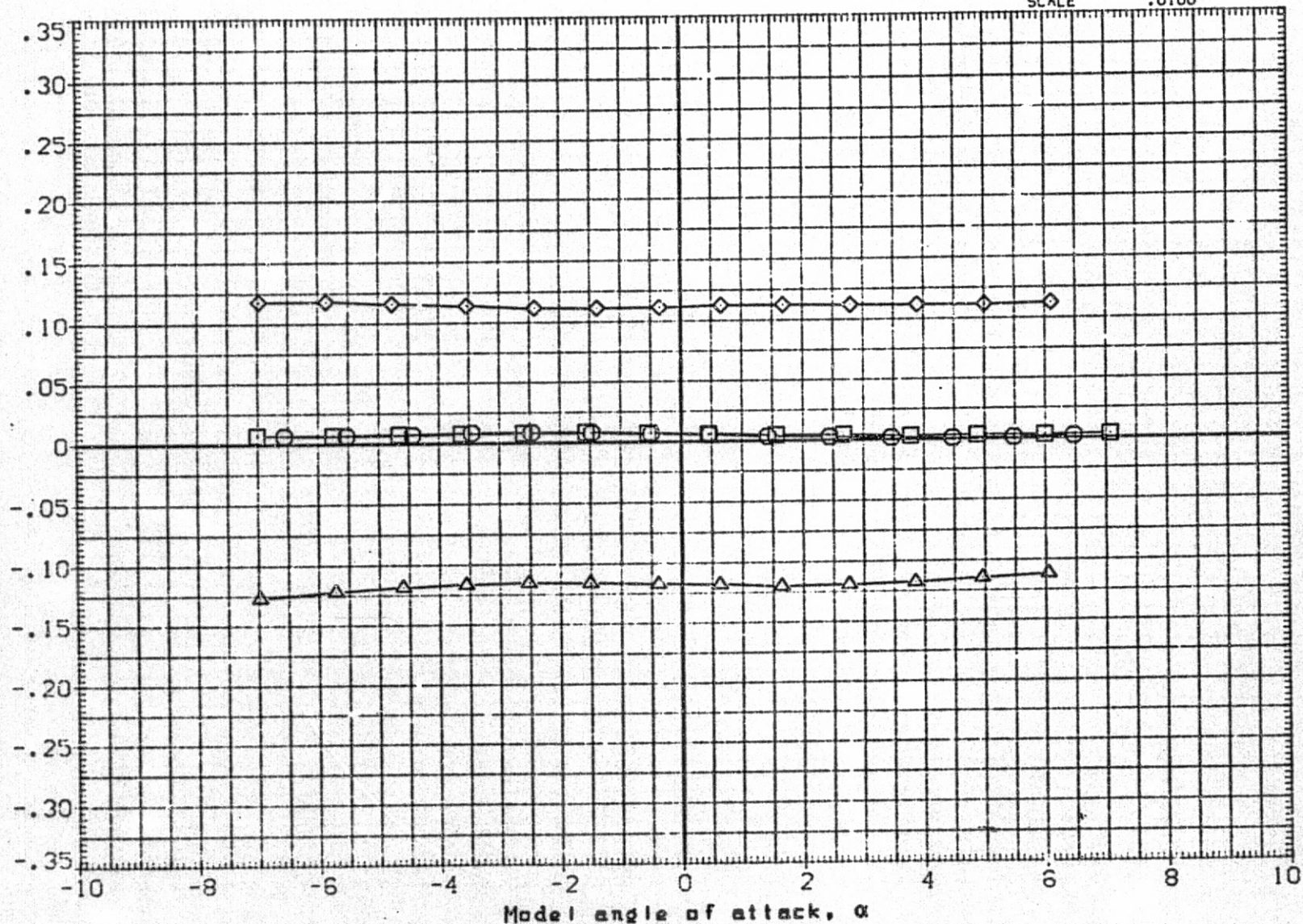


FIG 8 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.25, ELEVON 0

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION		
(AFKAQ1)	○	IA141 03 T5 S9	NO GRIT	.000	.000	.000	7.000	SREF	2690.0000	50. FT.
(AFKAQ5)	□	IA141 04 T4 S7	.0065 GRIT ON WING, BODY AND VERT	.000	.000	.000	11.500	LREF	1290.3000	INCHES
(AFKAQ7)	◇	IA141 04 T4 S7	.0065 GRIT ON WING, BODY AND VERT	.000	.000	6.000	11.500	BREF	1290.3000	INCHES
(AFKAQ9)	△	IA141 04 T4 S7	.0065 GRIT ON WING, BODY AND VERT	.000	.000	-6.000	11.500	XMRP	976.0000	IN. XT
								YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

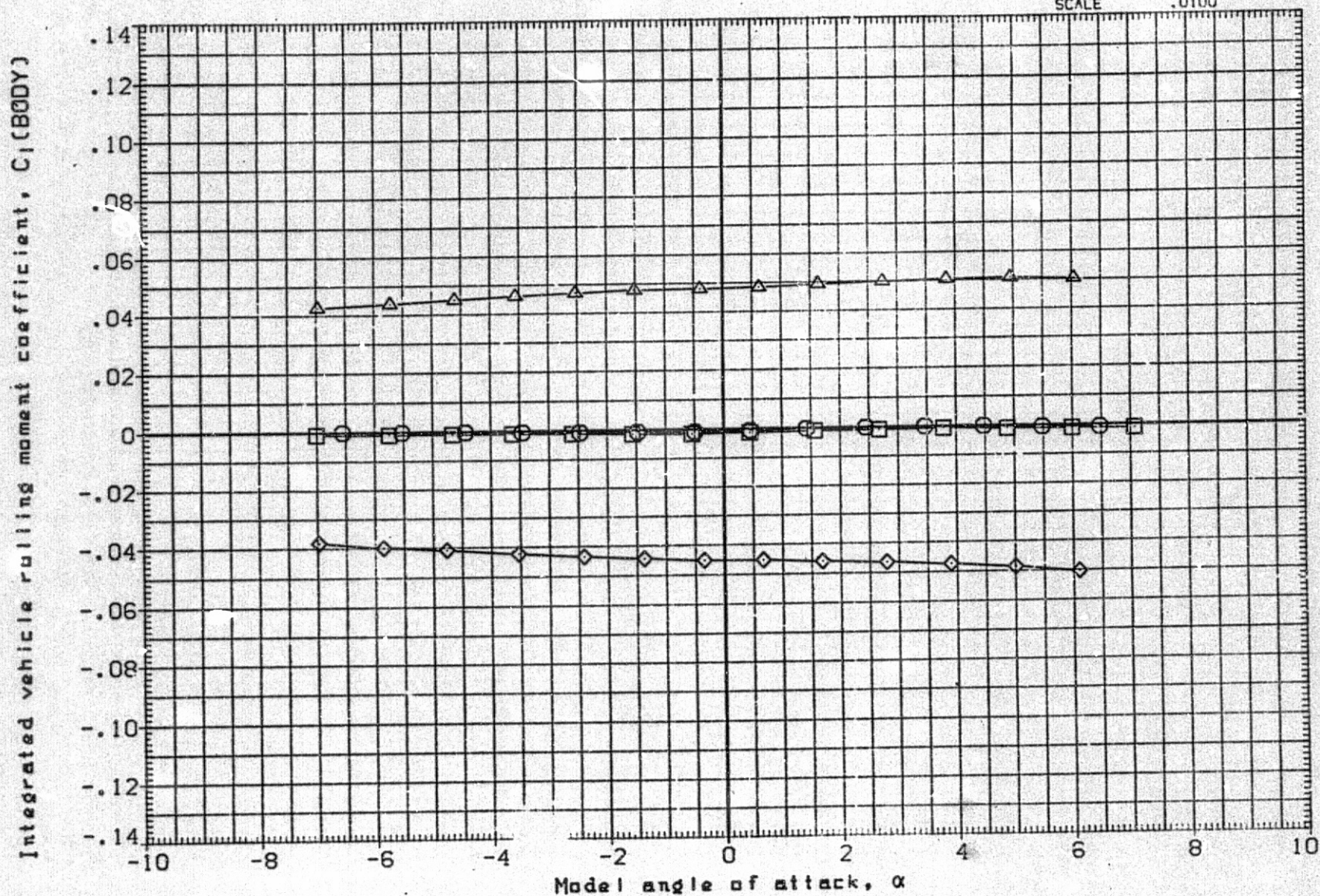


FIG 8 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.25, ELEVON 0

(A)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKC03)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKC05)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKC06)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	6.000	7.000	BREF 1290.3000 INCHES
(AFKC07)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	6.000	11.500	XMRP 976.0000 IN. XT
(AFKC08)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	-6.000	7.000	YMRP .0000 IN. YT
(AFKC09)	◻	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	-6.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

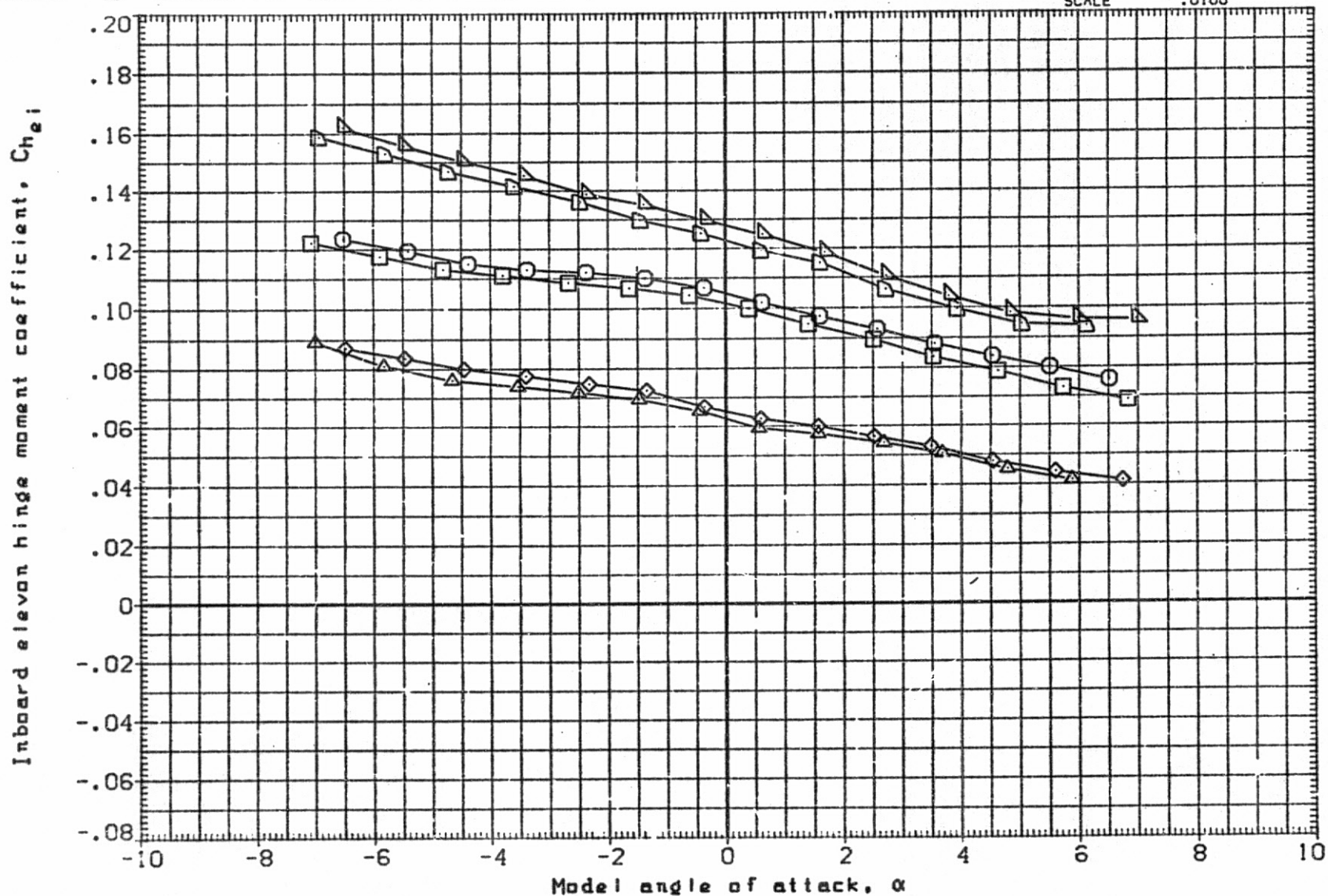


FIG 9 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.05, ELEVON 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKC03)	□	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ. FT.
(AFKC05)	◇	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKC06)	◇	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	6.000	7.000	BREF 1290.3000 INCHES
(AFKC07)	◇	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	6.000	11.500	XMRP 976.0000 IN. XT
(AFKC08)	△	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	-6.000	7.000	YMRP .0000 IN. YT
(AFKC09)	△	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	-6.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

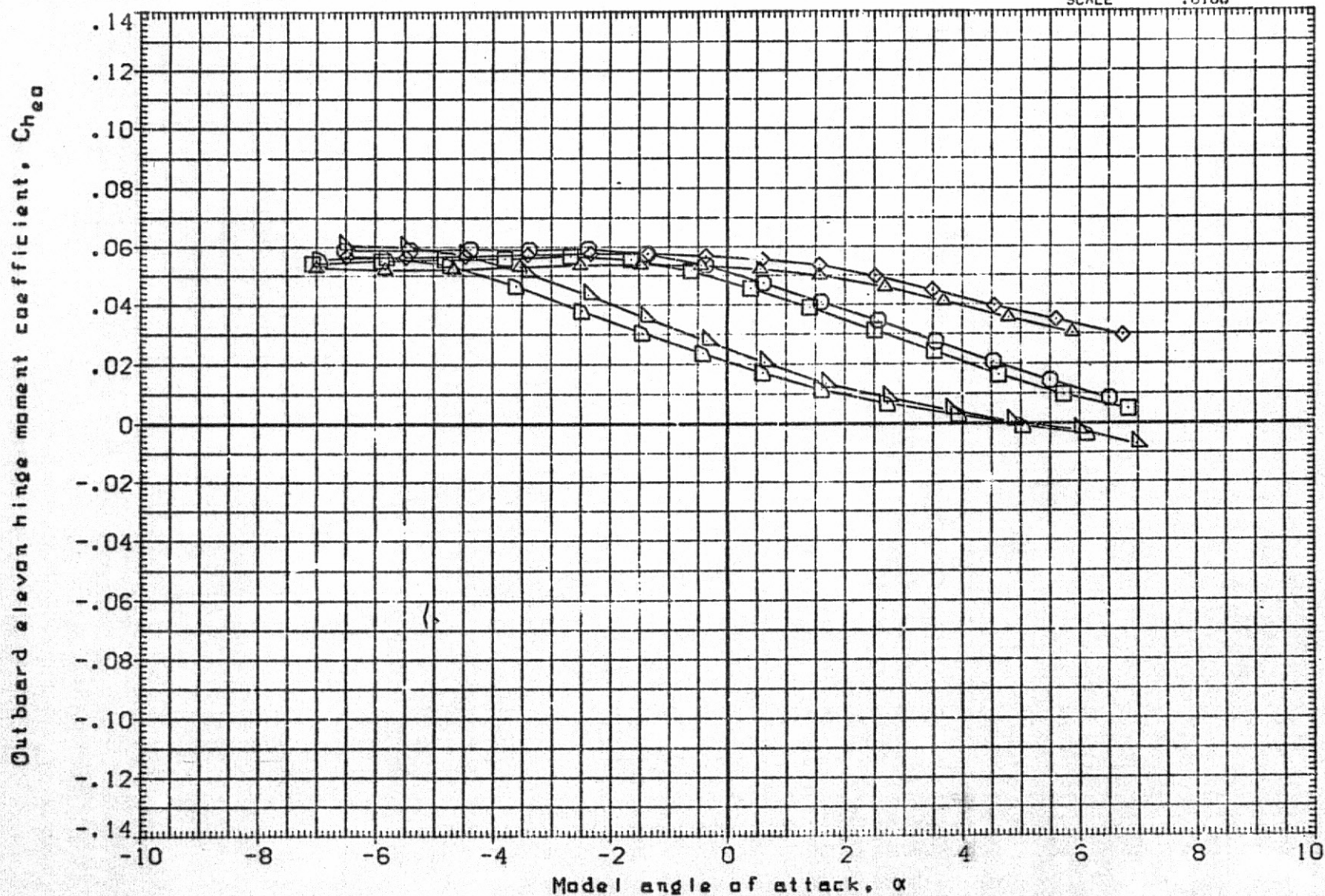


FIG 9 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.05, ELEVON 0

(A) MACH = 1.08

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	E _L -I _L	ELV-IR	BETA	RN/L	REFERENCE INFORMATION		
(AFKC03)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7,000	SREF	2690.0000	SQ.FT.
(AFKC05)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11,500	LREF	1290.3000	INCHES
(AFKC06)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	6.000	7,000	BREF	1290.3000	INCHES
(AFKC07)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	6.000	11,500	XMRP	976.0000	IN. XT
(AFKC08)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	-6.000	7,000	YMRP	.0000	IN. YT
(AFKC09)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	-6.000	11,500	ZMRP	400.0000	IN. ZT
							SCALE	.0100	

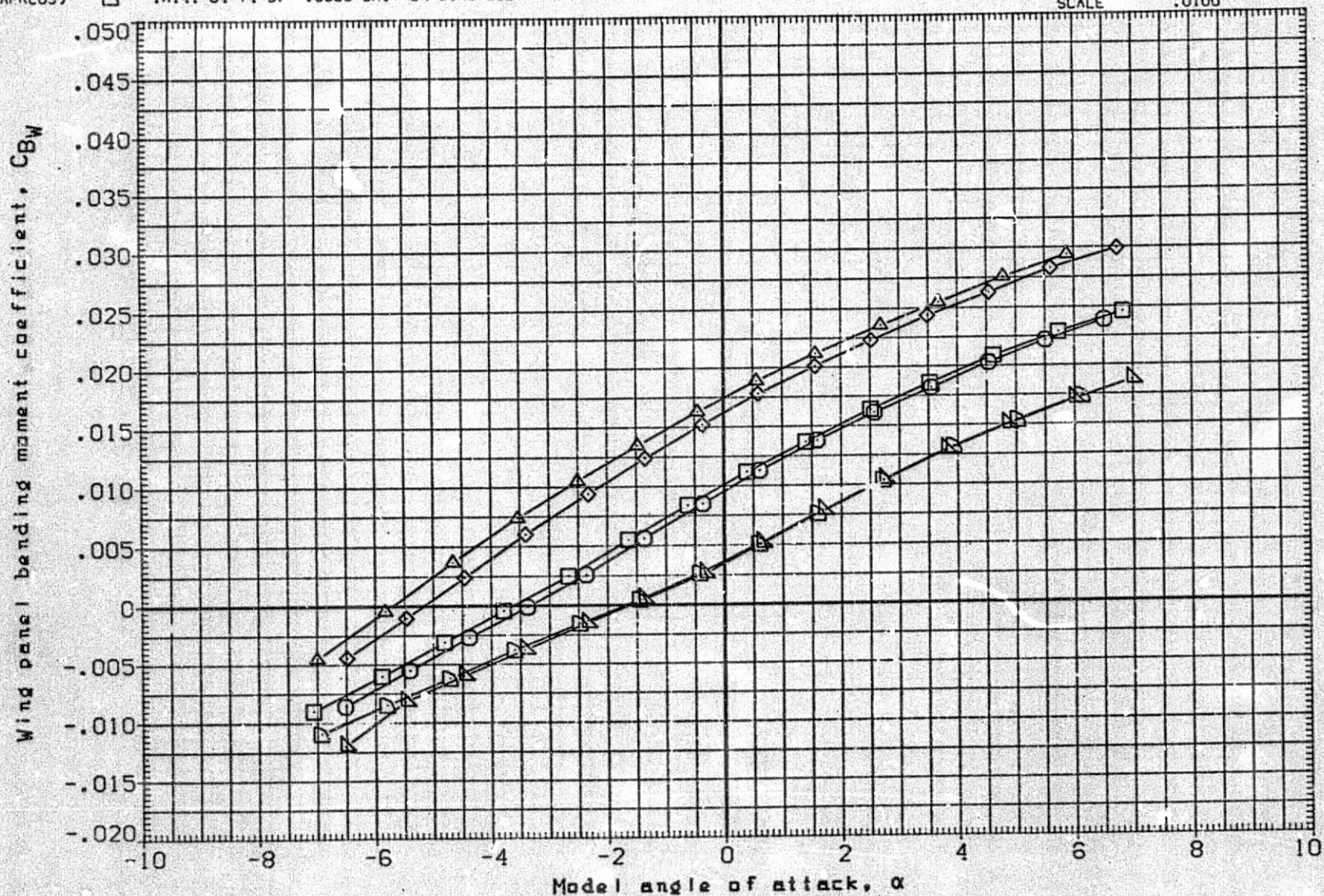


FIG 9 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.05, ELEVON 0

(A)MACH = 1.08

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKC03)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF 2890.0000 SQ. FT.
(AFKC05)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKC06)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	6.000	7.000	BREF 1290.3000 INCHES
(AFKC07)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	6.000	11.500	XMRP 976.0000 IN. XT
(AFKC08)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	-6.000	7.000	YMRP .0000 IN. YT
(AFKC09)	◻	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	-6.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

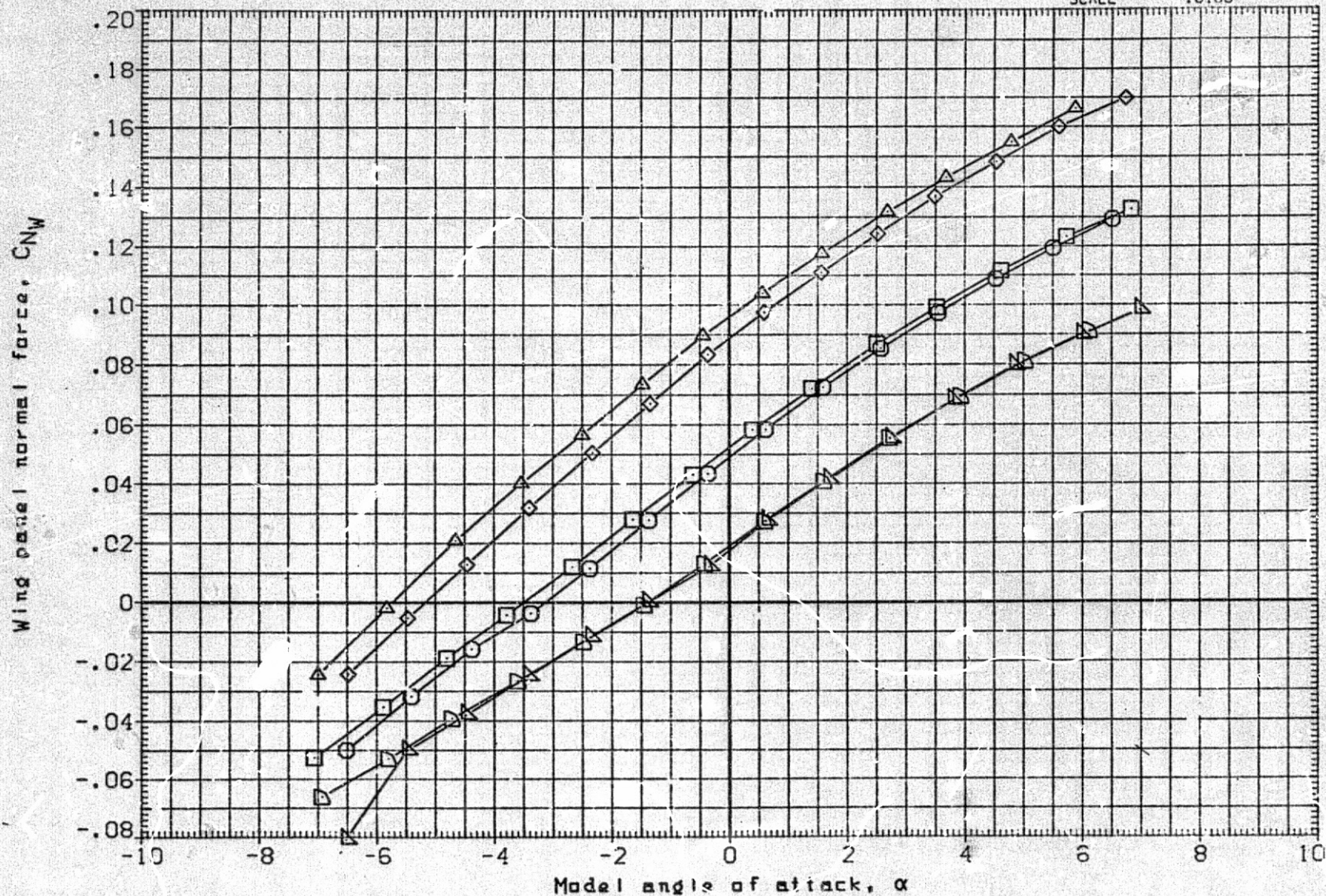


FIG 9 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.05, ELEVON 0

(A) MACH = 1.08

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKC03)	◇	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKC05)	□	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKC06)	○	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	6.000	7.000	BREF 1290.3000 INCHES
(AFKC07)	△	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	6.000	11.500	XMRP 976.0000 IN. XT
(AFKC08)	▽	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	-6.000	7.000	YMRP .0000 IN. YT
(AFKC09)	▷	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	-6.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

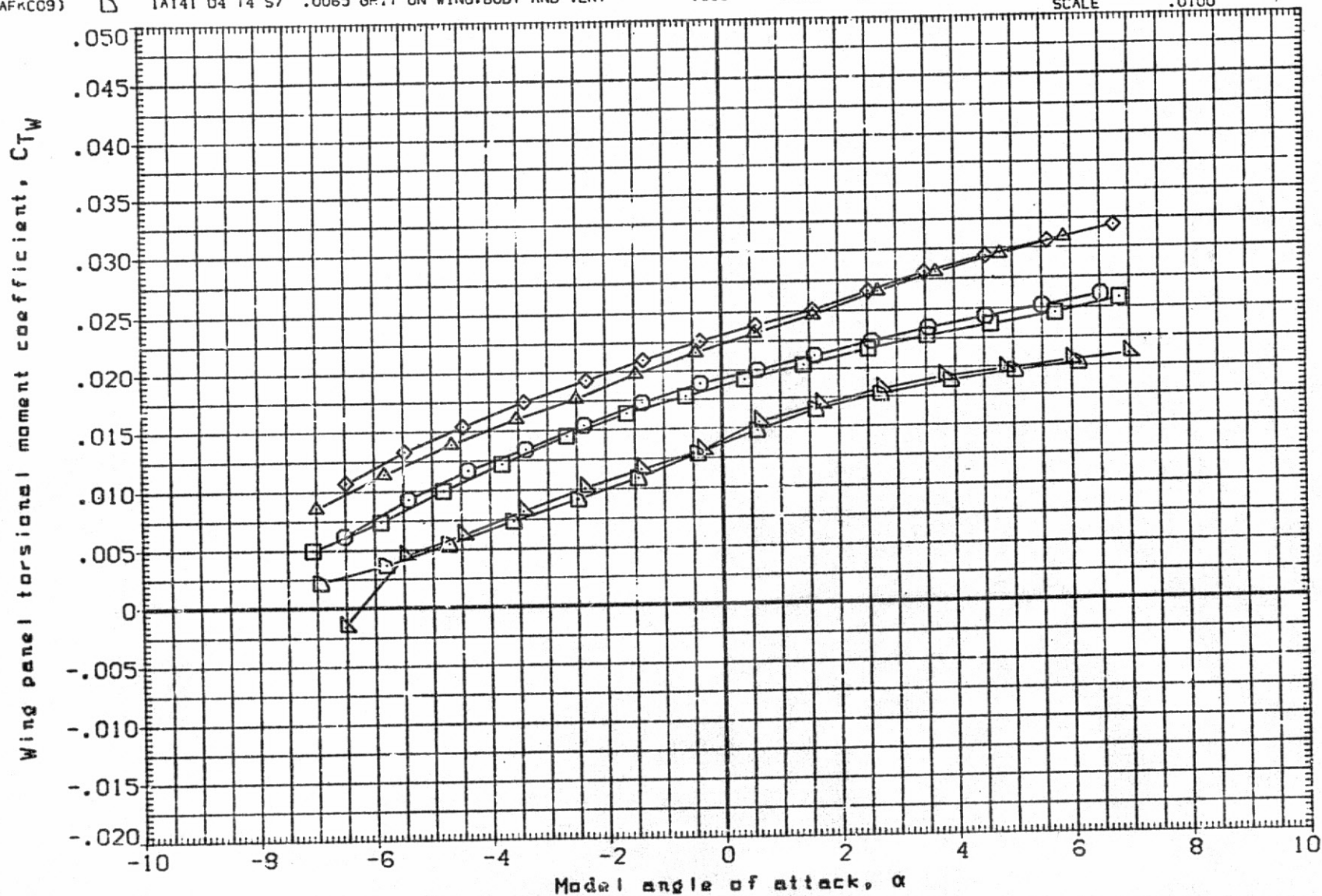


FIG 9 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.05, ELEVON 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA03)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.200	7.000	SREF 2690.0000 SQ.FT.
(AFKA05)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.200	11.500	LREF 1290.3000 INCHES
(AFKA06)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	6.300	7.000	BREF 1290.3000 INCHES
(AFKA07)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	6.300	11.500	XMRP 976.0000 IN. XT
(AFKA08)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	-6.300	7.000	YMRP .0000 IN. YT
(AFKA09)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	-6.300	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

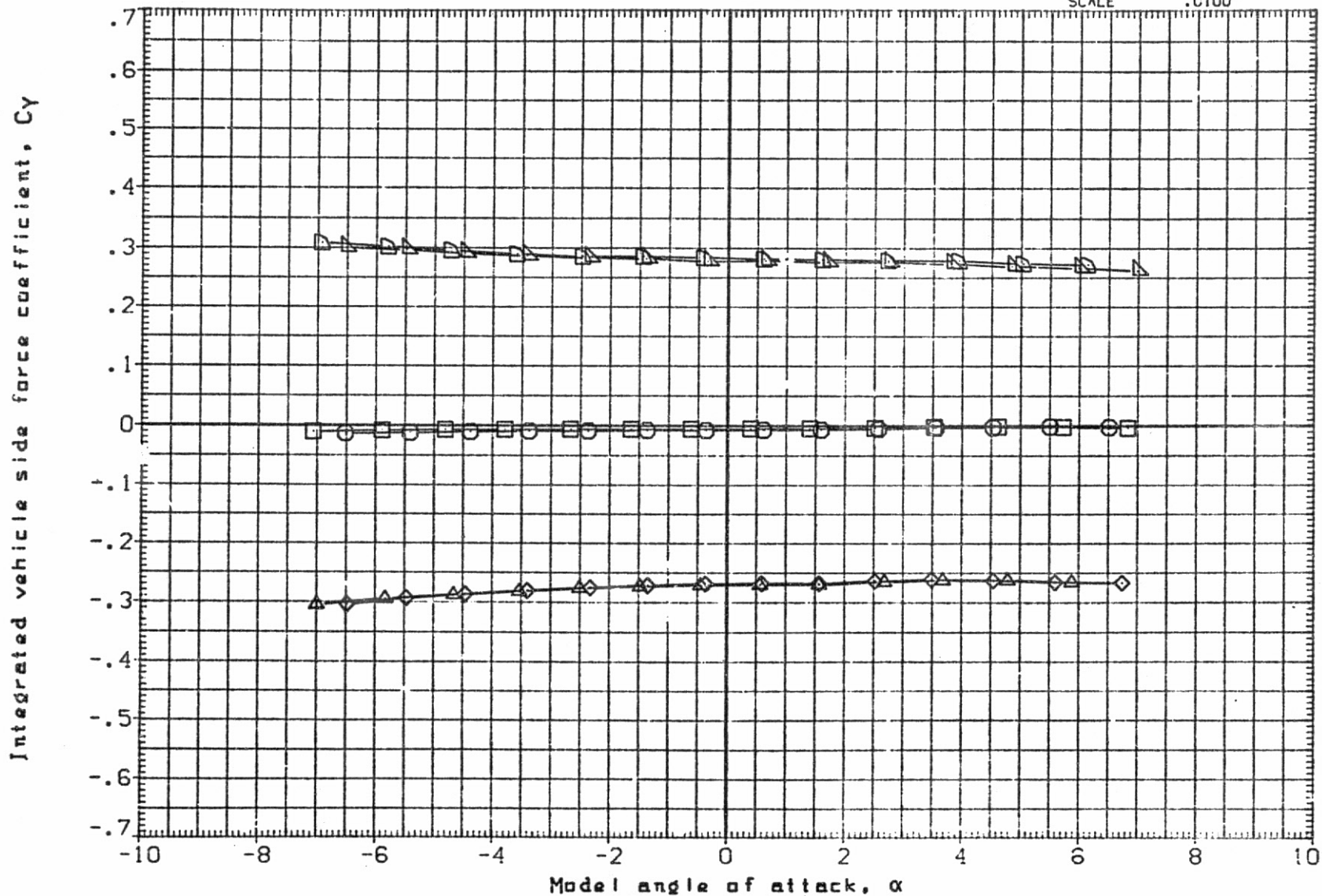


FIG 9, EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.05, ELEVON 0

(A)MACH = 1.08

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA03)	○	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKA05)	□	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKA06)	◇	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	6.000	7.000	BREF 1290.3000 INCHES
(AFKA07)	△	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	6.000	11.500	XMRP 976.0000 IN. XT
(AFKA08)	▽	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	-6.000	7.000	YMRP .0000 IN. YT
(AFKA09)	▷	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	.000	.000	-6.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

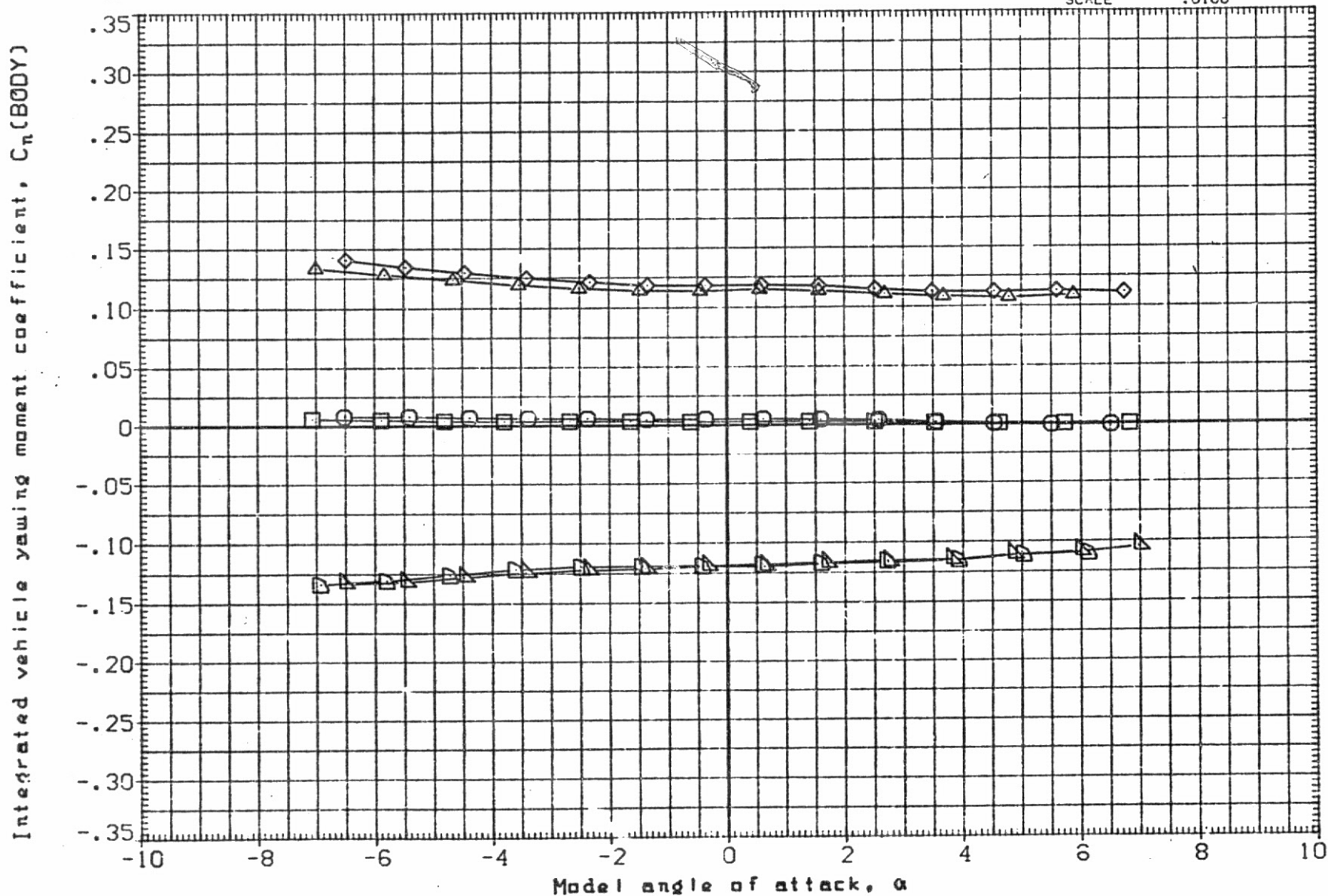


FIG 9 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.05, ELEVON 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA03)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKA05)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKA06)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	6.000	7.000	BREF 1290.3000 INCHES
(AFKA07)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	6.000	11.500	XMRP 976.0000 IN. XT
(AFKA08)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	-6.000	7.000	YMRP .0000 IN. YT
(AFKA09)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	-6.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

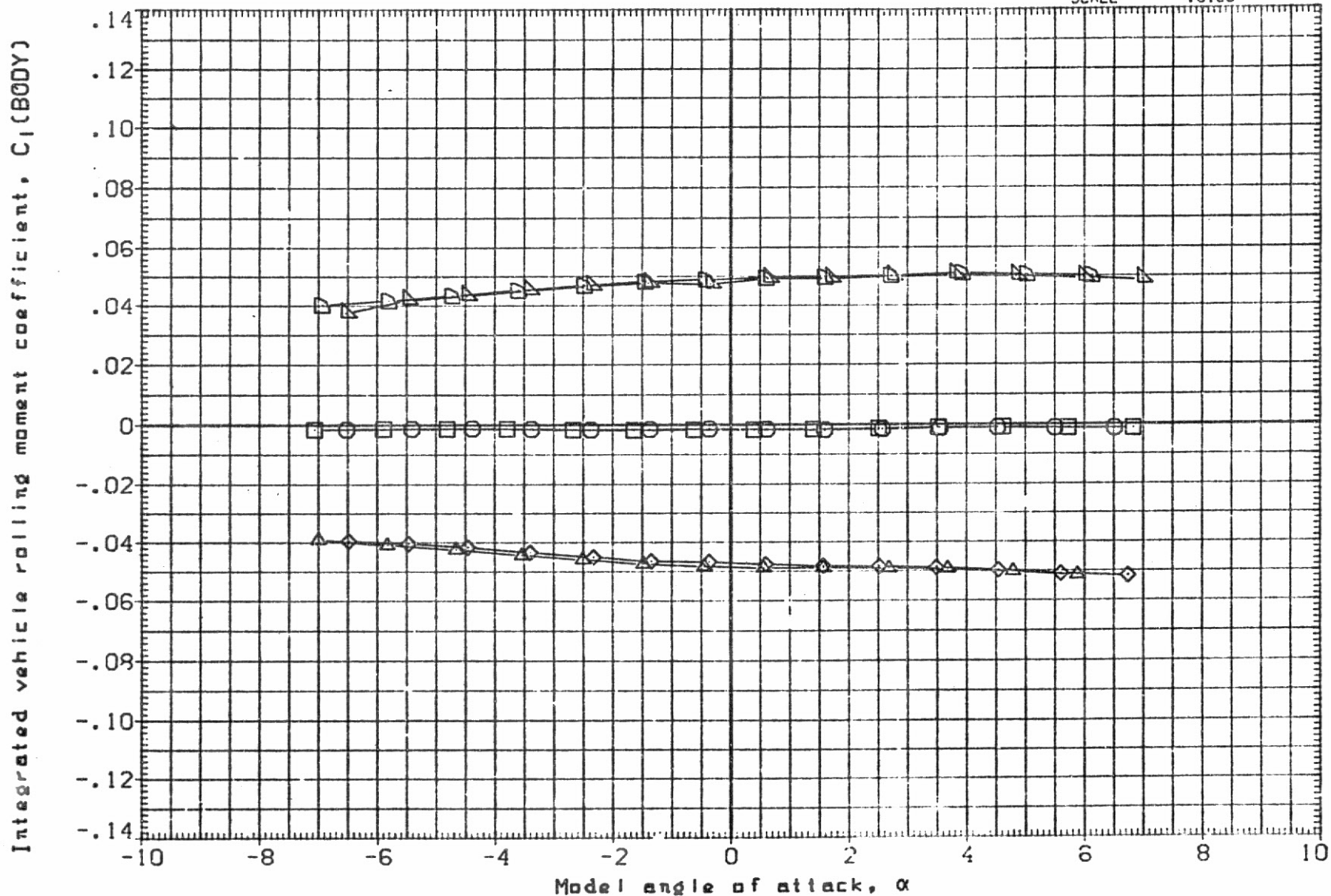


FIG 9 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.05, ELEVON 0

(A)MACH = 1.08

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(AFKC03)	○	1A141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT
(AFKC05)	□	1A141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT
(AFKC07)	◇	1A141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT
(AFKC09)	△	1A141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT

ELV-IL	ELV-IR	BETA	RN/L
.000	.000	.000	7.000
.000	.000	.000	11.500
.000	.000	6.000	11.500
.000	.000	-6.000	11.500

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. YT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

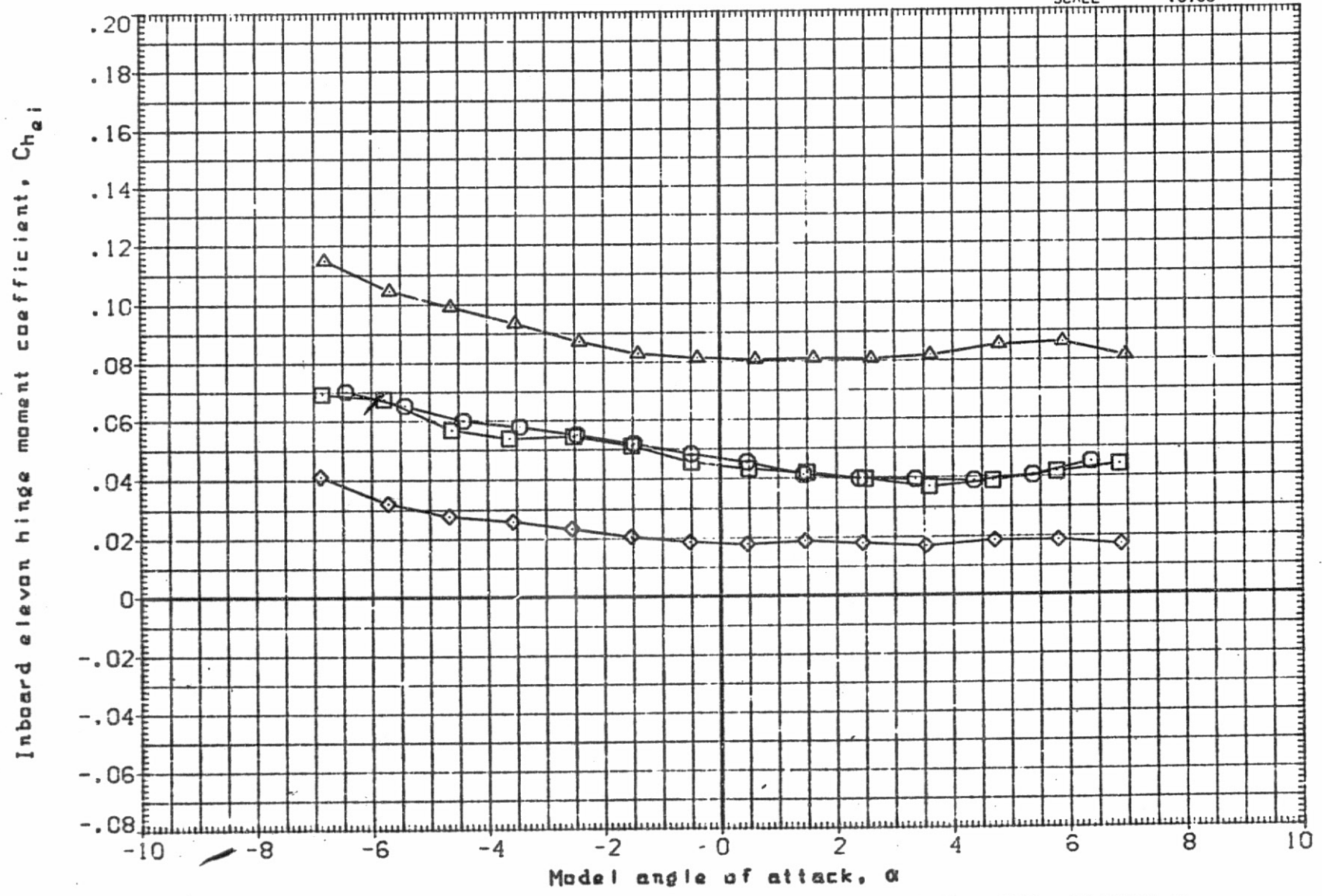


FIG 10 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH .975, ELEVON 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKC03)	○	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKC05)	□	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKC07)	◇	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	6.000	11.500	BREF 1290.3000 INCHES
(AFKC09)	△	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	-6.000	11.500	XMRP 976.0000 IN. XT
							YMRP .0000 IN. YT
							ZMRP 400.0000 IN. ZT
							SCALE .0100

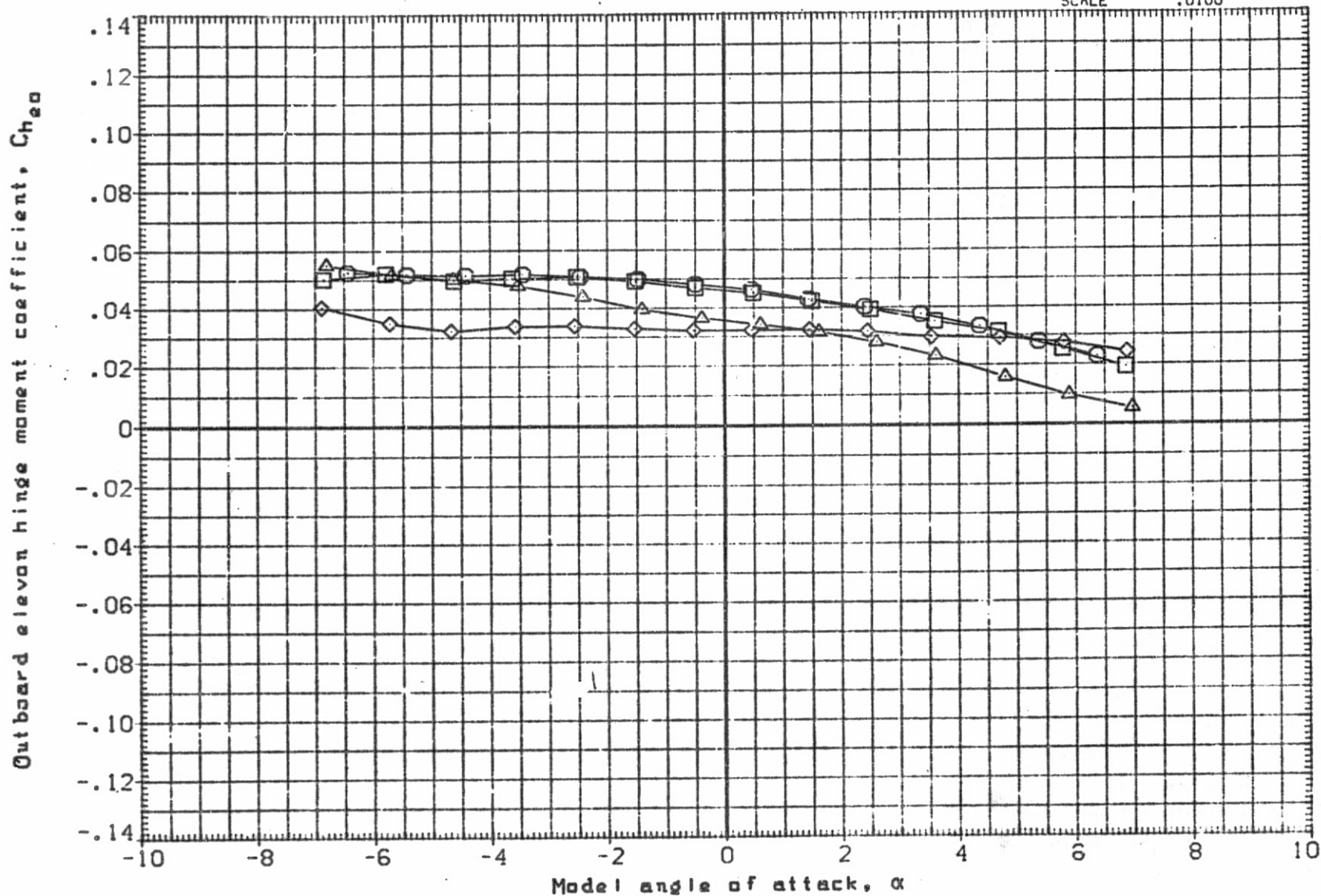


FIG 10 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH .975, ELEVON D

(A)MACH = .98

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFK03)	○	1A141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFK05)	□	1A141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFK07)	◇	1A141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	6.000	11.500	BREF 1290.3000 INCHES
(AFK09)	△	1A141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	.000	.000	-6.000	11.500	XMRP 976.0000 IN. XT
							YMRP .0000 IN. YT
							ZMRP 400.0000 IN. ZT
							SCALE .0100

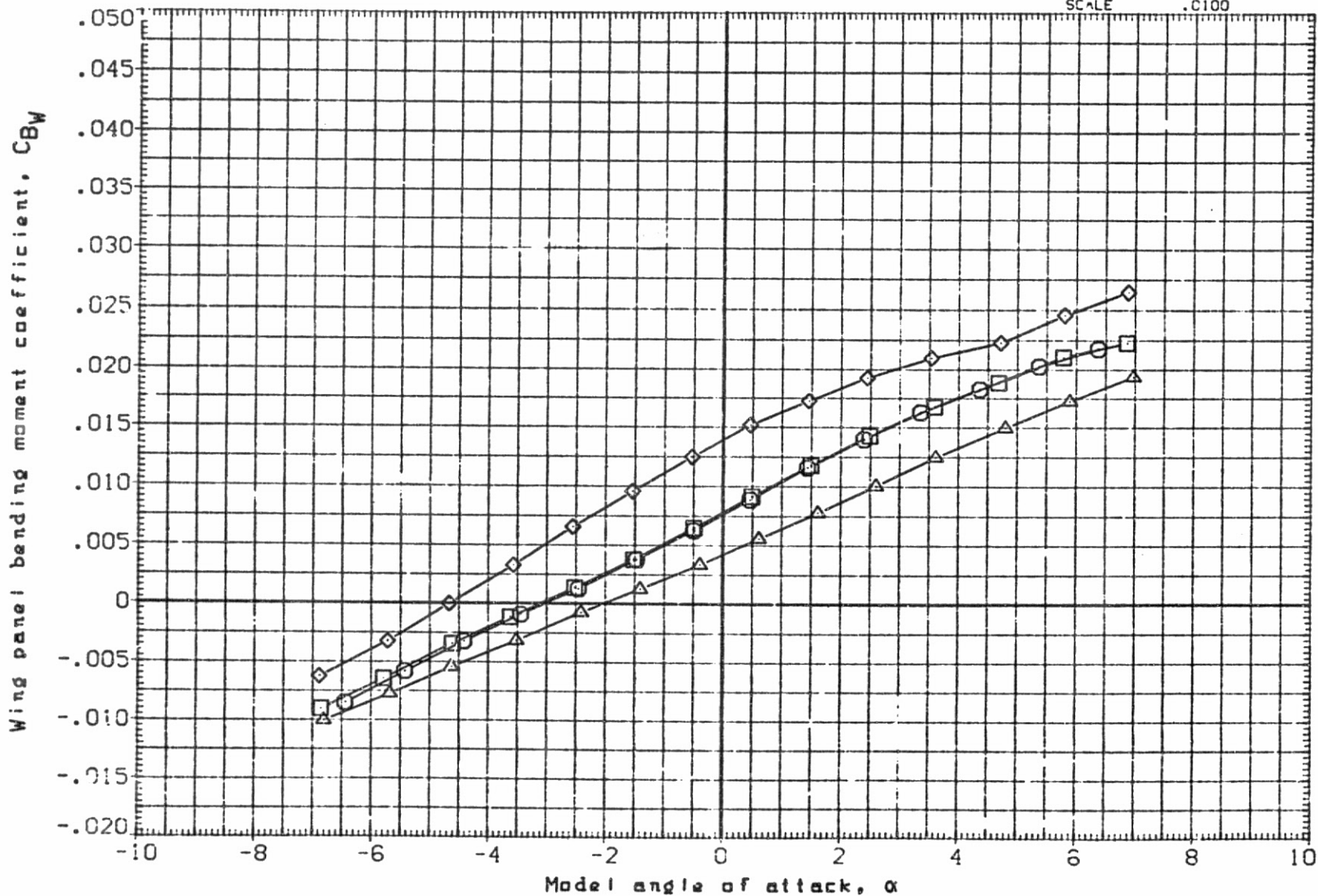


FIG 10 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH .975, ELEVON 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKCO3)	□	IA141 04 T4 S7 .0065 GRIT ON WING-BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKCO5)	○	IA141 04 T4 S7 .0065 GRIT ON WING-BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKCO7)	◇	IA141 04 T4 S7 .0065 GRIT ON WING-BODY AND VERT	.000	.000	6.000	11.500	BREF 1290.3000 INCHES
(AFKCO9)	△	IA141 04 T4 S7 .0065 GRIT ON WING-BODY AND VERT	.000	.000	-6.000	11.500	XMRP 976.0000 IN. XT
							YMRP .0000 IN. YT
							ZMRP 400.0000 IN. ZT
							SCALE .0100

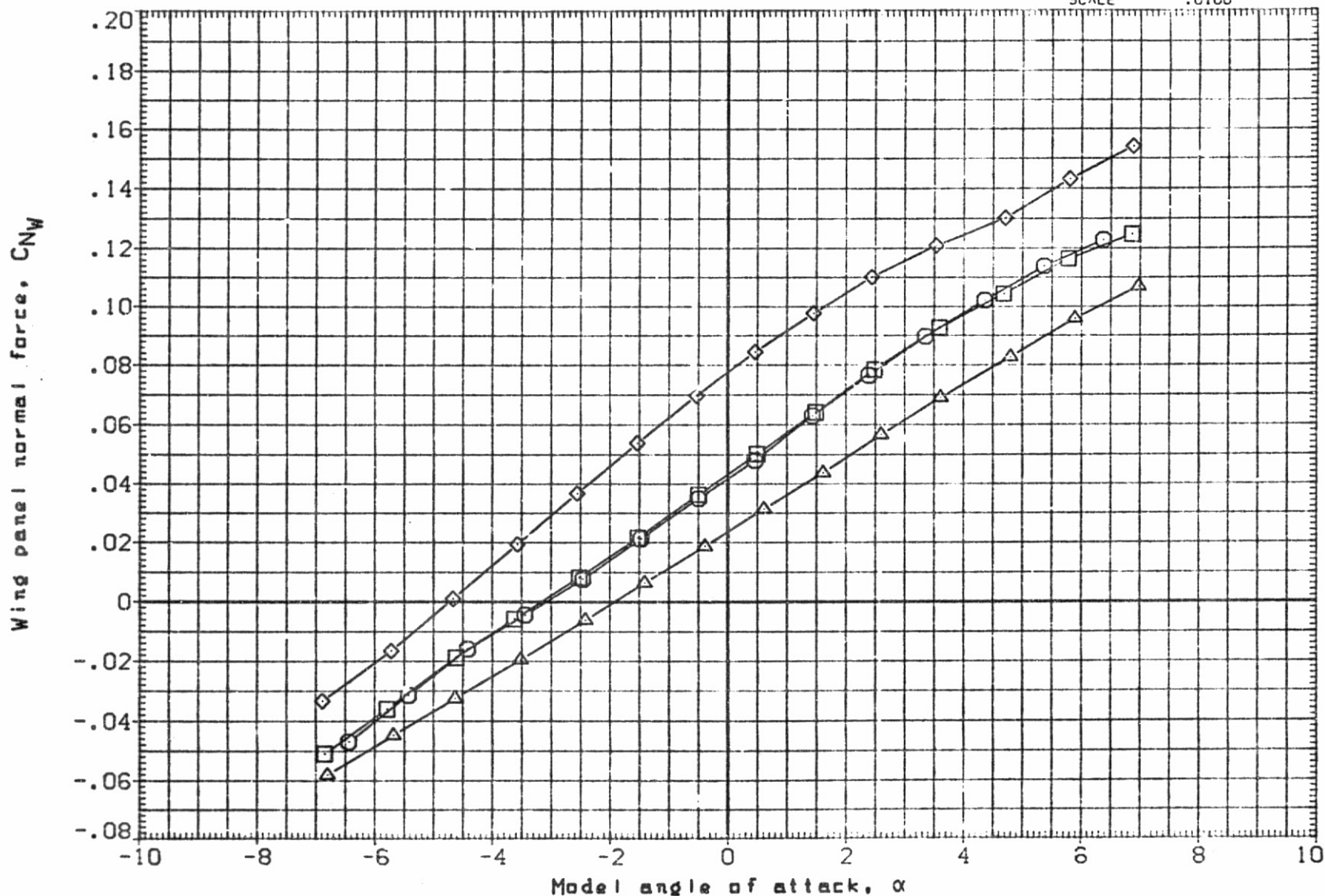


FIG 10 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH .975, ELEVON 0

(A)MACH = .98

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFK03)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ. FT.
(AFK05)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFK07)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	6.000	11.500	BREF 1290.3000 INCHES
(AFK09)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	-6.000	11.500	XMRP 976.0000 IN. XT
							YMRP .0000 IN. YT
							ZMRP 400.0000 IN. ZT
							SCALE .0100

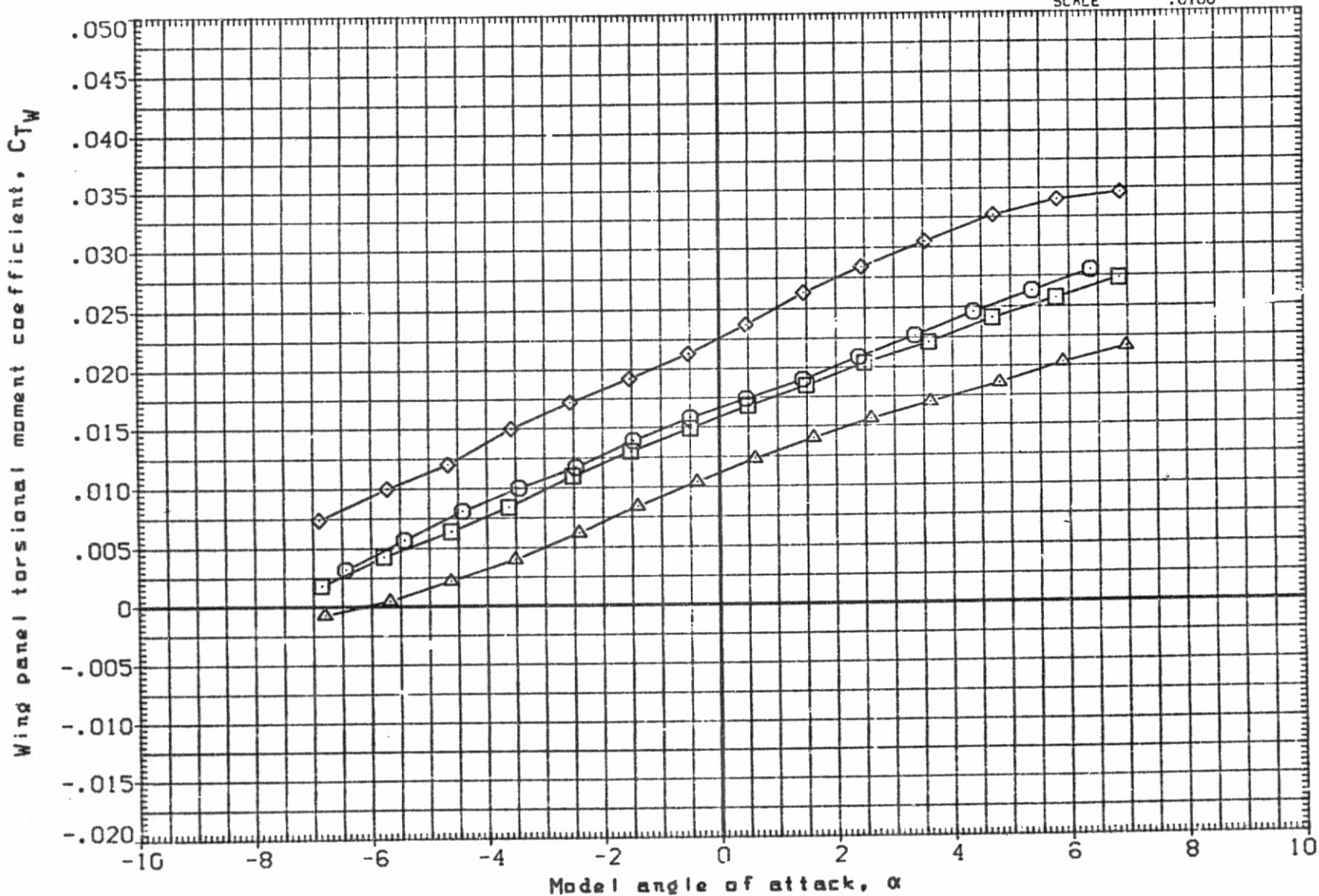


FIG 10 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH .975, ELEVON 0

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION		
(AFKA03)	□	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF	2690.0000	SQ.FT.
(AFKA05)	○	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	LREF	1290.3000	INCHES
(AFKA07)	◇	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	.000	.000	6.000	11.500	BREF	1290.3000	INCHES
(AFKA09)	△	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	.000	.000	-6.000	11.500	XMRP	976.0000	IN. XT
								YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

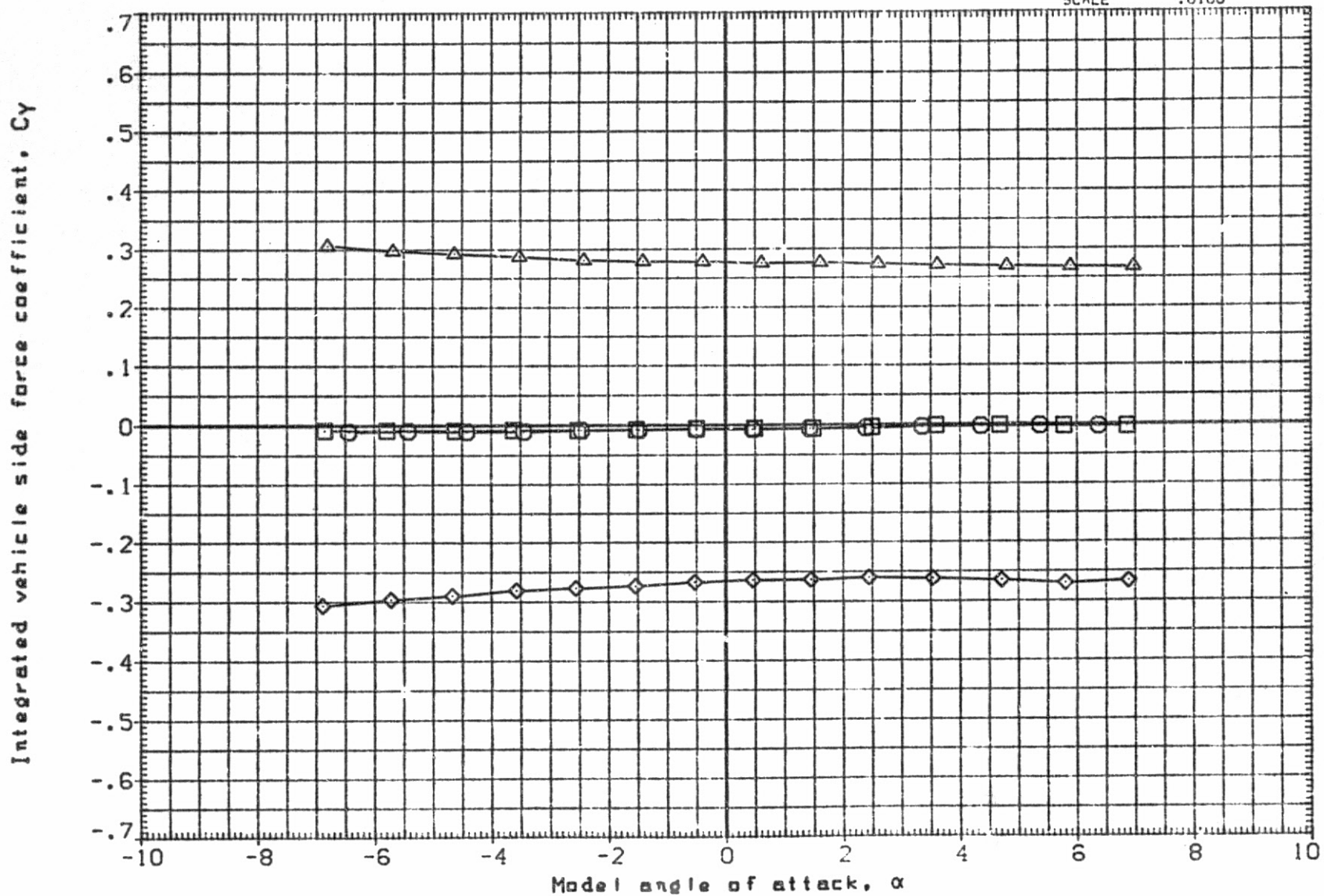


FIG 10 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH .975, ELEVON 0

(A)MACH = .98

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA03)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKA05)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	LREF 1290.3000 INCHES
(AFKA07)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	6.000	11.500	BREF 1290.3000 INCHES
(AFKA09)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	.000	.000	-6.000	11.500	XMRP 976.0000 IN. XT YMRP .0000 IN. YT ZMRP 400.0000 IN. ZT SCALE .0100

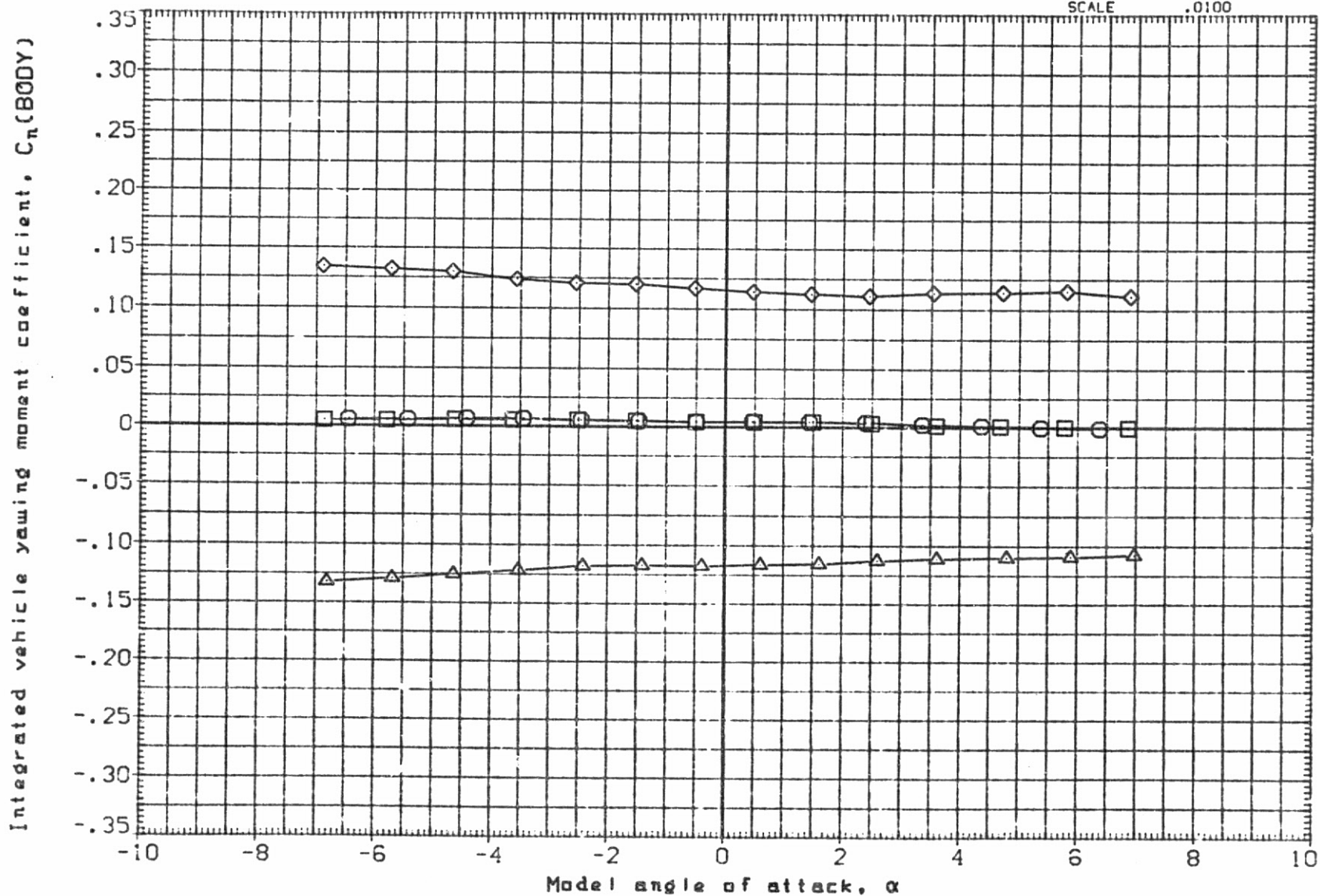


FIG 10 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH .975, ELEVON 0

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION		
(AFKA03)	○	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	7.000	SREF	2690.0000	SQ.FT.
(AFKA05)	□	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	.000	.000	.000	11.500	LREF	1290.3000	INCHES
(AFKA07)	◇	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	.000	.000	6.300	11.500	BREF	1290.3000	INCHES
(AFKA09)	△	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	.000	.000	-6.300	11.500	XMRP	976.0000	IN. XT
								YMRP	.0000	IN. YT
								ZMRP	400.0000	IN. ZT
								SCALE	.0100	

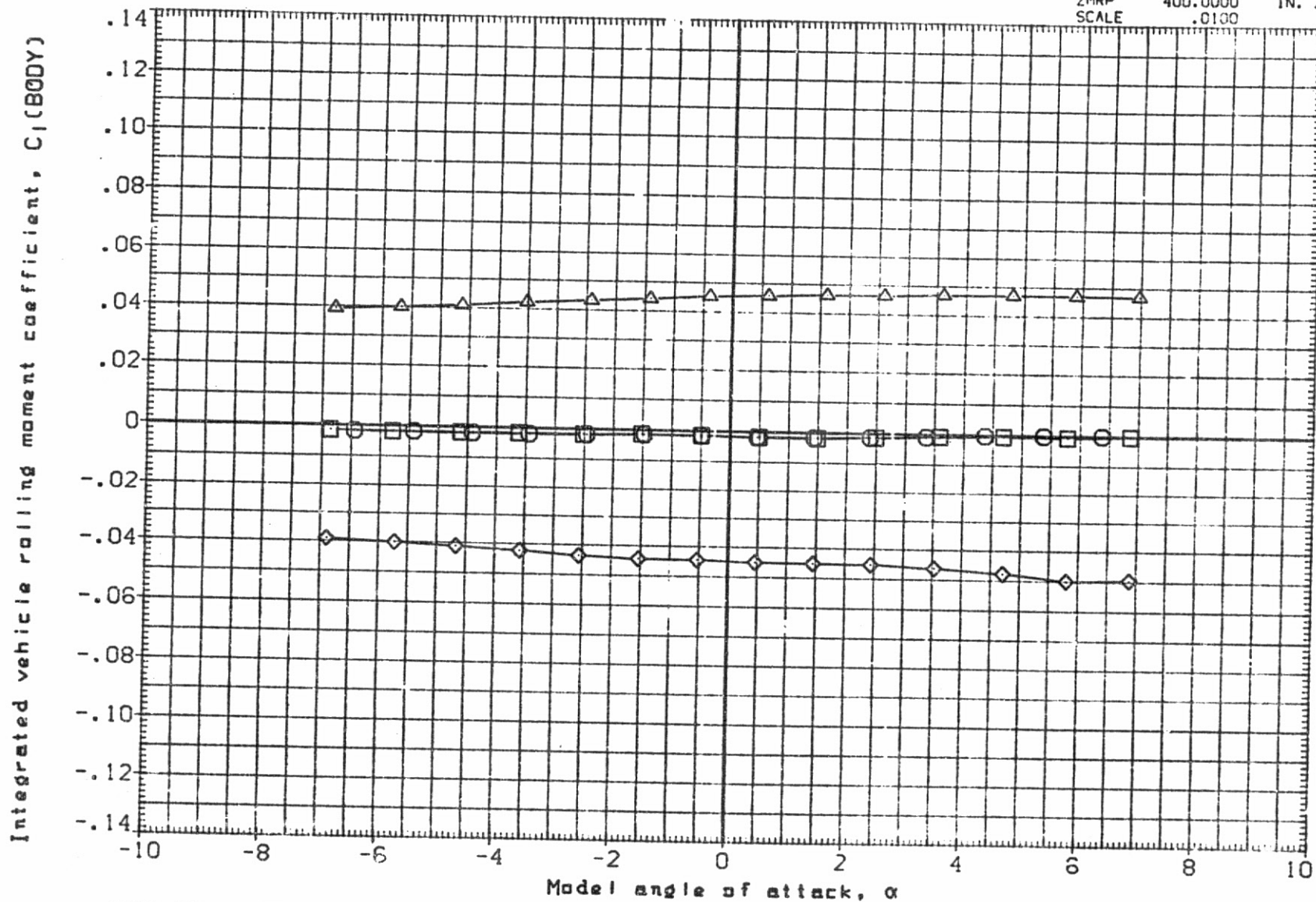


FIG 10 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR.. MACH .975. ELEVON 0

(A)MACH = .98

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION								
							SREF	LREF	BREF	XMRP	YMRP	ZMRP	SCALE	SQ.FT.	INCHES
(AFKC15)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	2690.0000	1290.3000	1290.3000	.0000	.0000	.0100			
(AFKC18)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500									
(AFKC12)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	7.000									
(AFKC13)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	11.500									
(AFKC10)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	7.000									
(AFKC11)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	11.500									

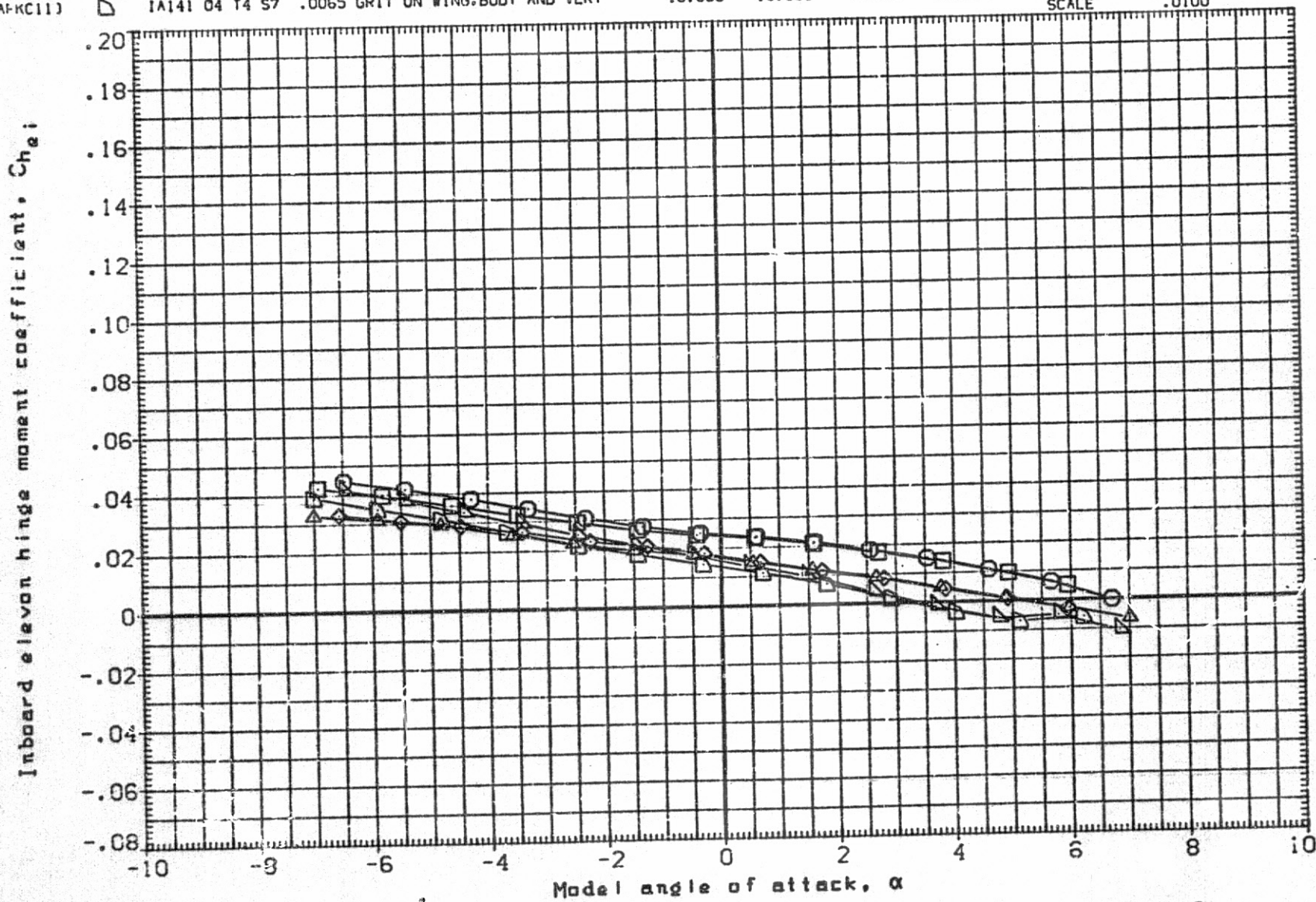


FIG 11 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.25, ELEVON 10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION	
(AFKC15)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	SREF	2690.0000 SQ.FT.
(AFKC18)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	LREF	1290.3000 INCHES
(AFKC12)	×	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	7.000	BREF	1290.3000 INCHES
(AFKC13)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	11.500	XMRP	976.0000 IN. XT
(AFKC10)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	7.000	YMRP	.0000 IN. YT
(AFKC11)	◻	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	11.500	ZMRP	400.0000 IN. ZT
							SCALE	.0100

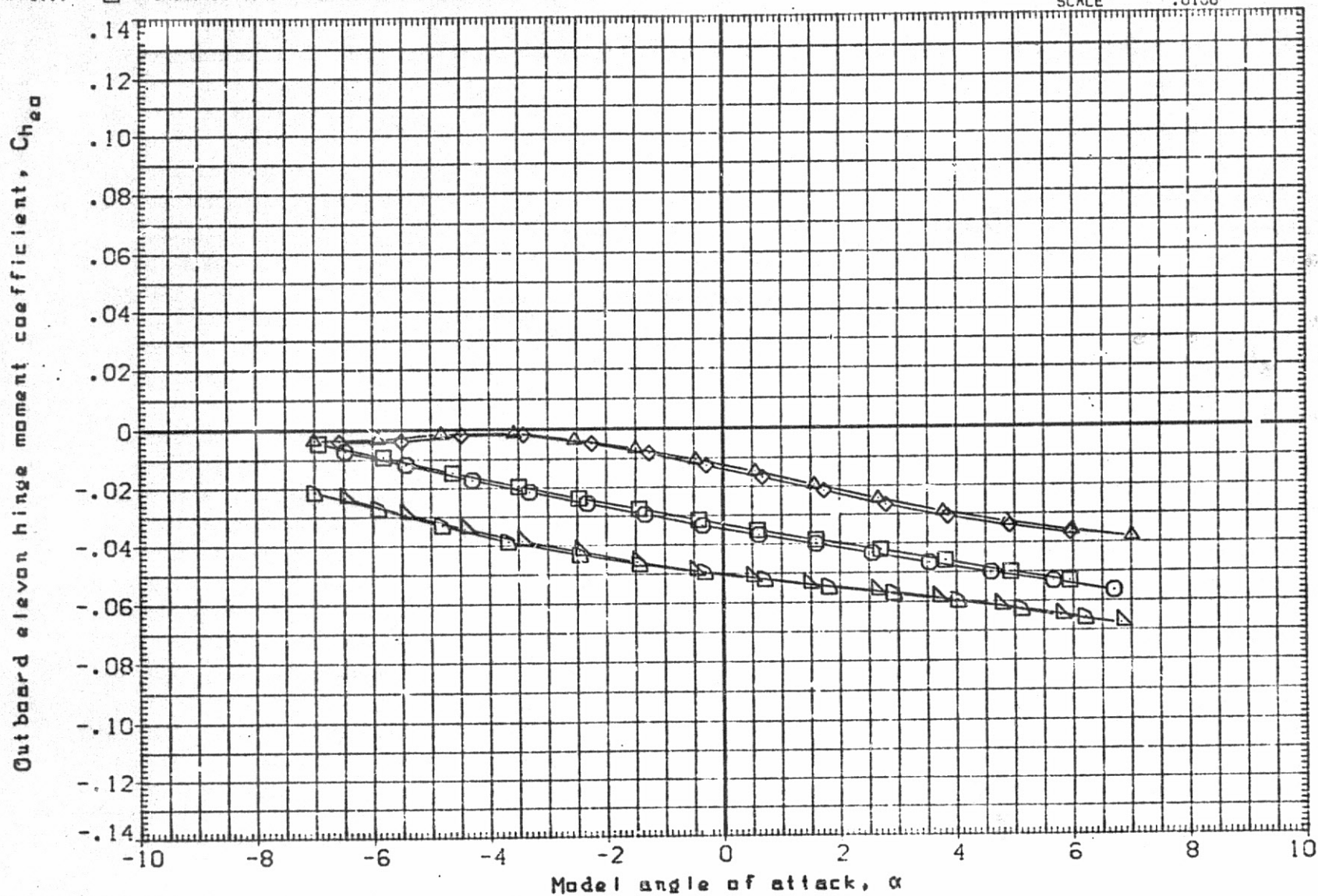


FIG 11 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.25, ELEVON 1C

(A) MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(AFKC15)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT
(AFKC18)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT
(AFKC12)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT
(AFKC13)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT
(AFKC10)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT
(AFKC11)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

ELV-IL	ELV-IR	BETA	RN/L
10.000	10.000	.000	7.000
10.000	10.000	.000	11.500
10.000	10.000	6.000	7.000
10.000	10.000	6.000	11.500
10.000	10.000	-6.000	7.000
10.000	10.000	-6.000	11.500

REFERENCE INFORMATION		
SREF	2690.0000	SQ. FT.
LREF	1290.3000	INCHES
BREF	1290.3000	INCHES
XMRP	976.0000	IN. XT
YMRP	.0000	IN. XT
ZMRP	400.0000	IN. ZT
SCALE	.0100	

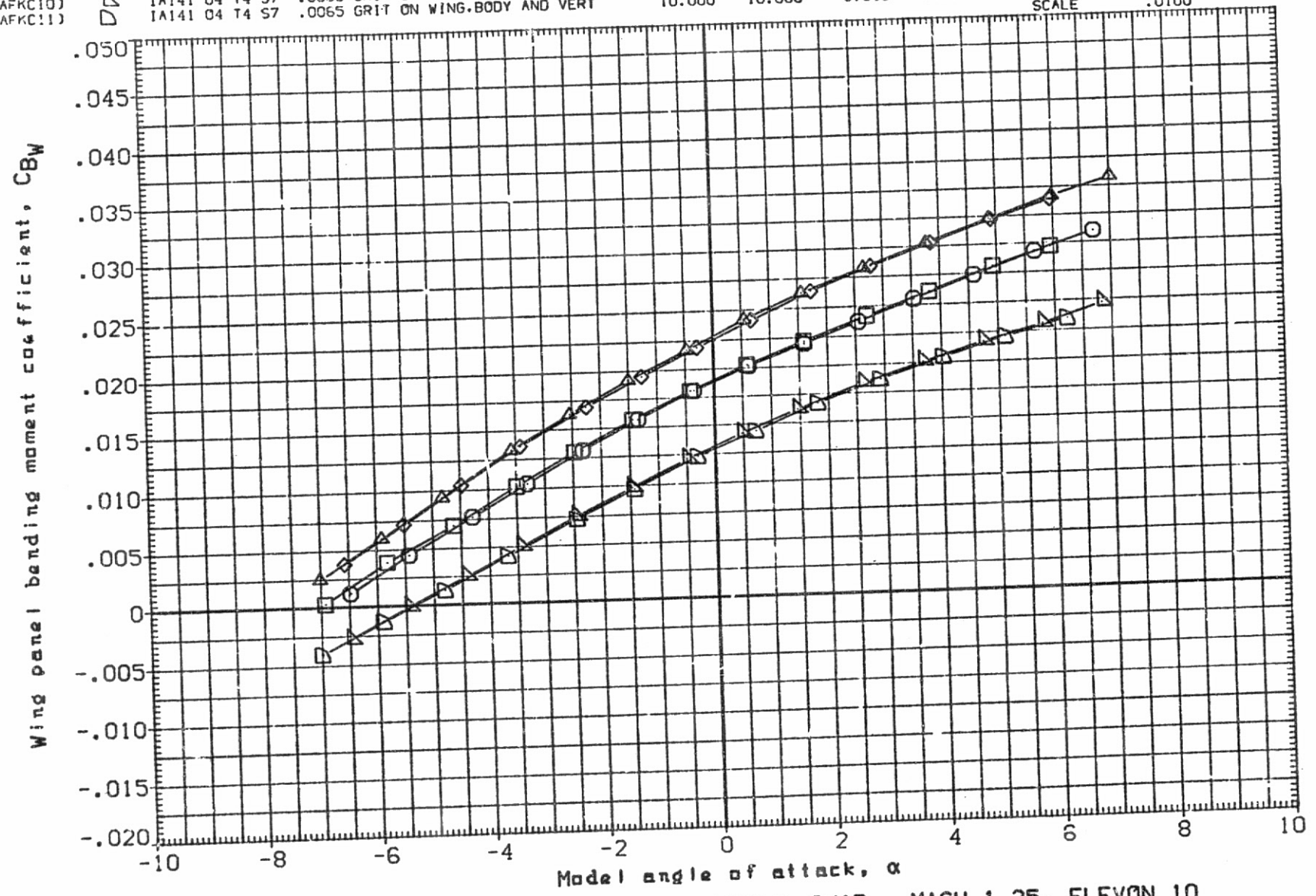


FIG 11 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.25, ELEVON 10

(A)MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKC15)	□	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	.000	7.000	SREF 2690.0000 SQ. FT.
(AFKC18)	□	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	.000	11.500	LREF 1290.3000 INCHES
(AFKC12)	◇	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	6.000	7.000	BREF 1290.3000 INCHES
(AFKC13)	◇	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	6.000	11.500	XMRP 976.0000 IN. XT
(AFKC10)	△	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.0.3	-6.000	7.000	YMRP .0000 IN. YT
(AFKC11)	△	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	-3.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

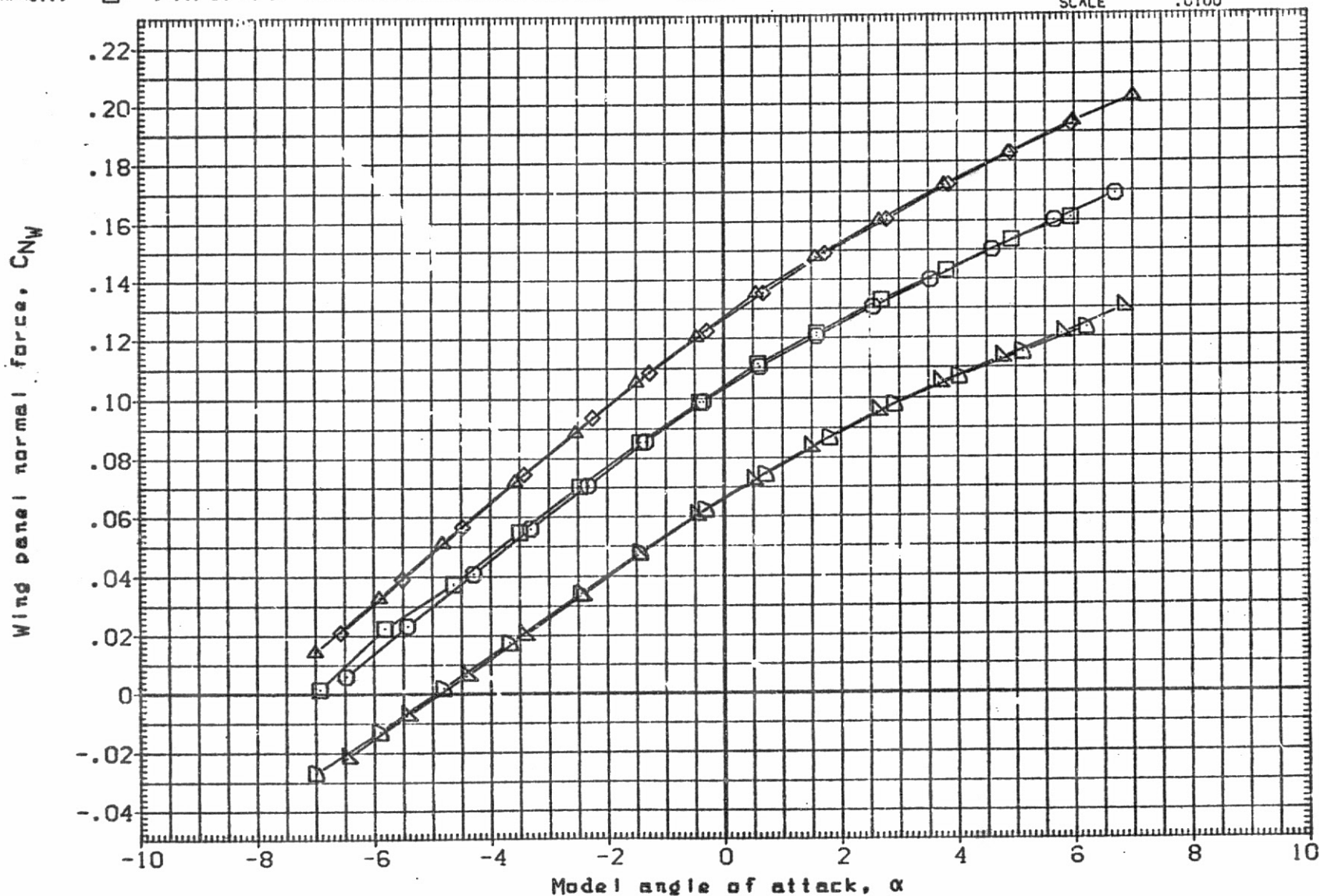


FIG 11 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.25, ELEVON 10

(A) MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION		
(AFKC15)	○	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	SREF	2690.0000	SQ.FT.
(BFKC18)	□	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	LREF	1290.3000	INCHES
(AFKC12)	◇	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	7.000	BREF	1290.3000	INCHES
(AFKC13)	△	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	11.500	XMRP	976.0000	IN. XT
(AFKC10)	▽	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	7.000	YMRP	.0000	IN. YT
(AFKC11)	◇	1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	11.500	ZMRP	400.0000	IN. ZT
							SCALE	.0100	

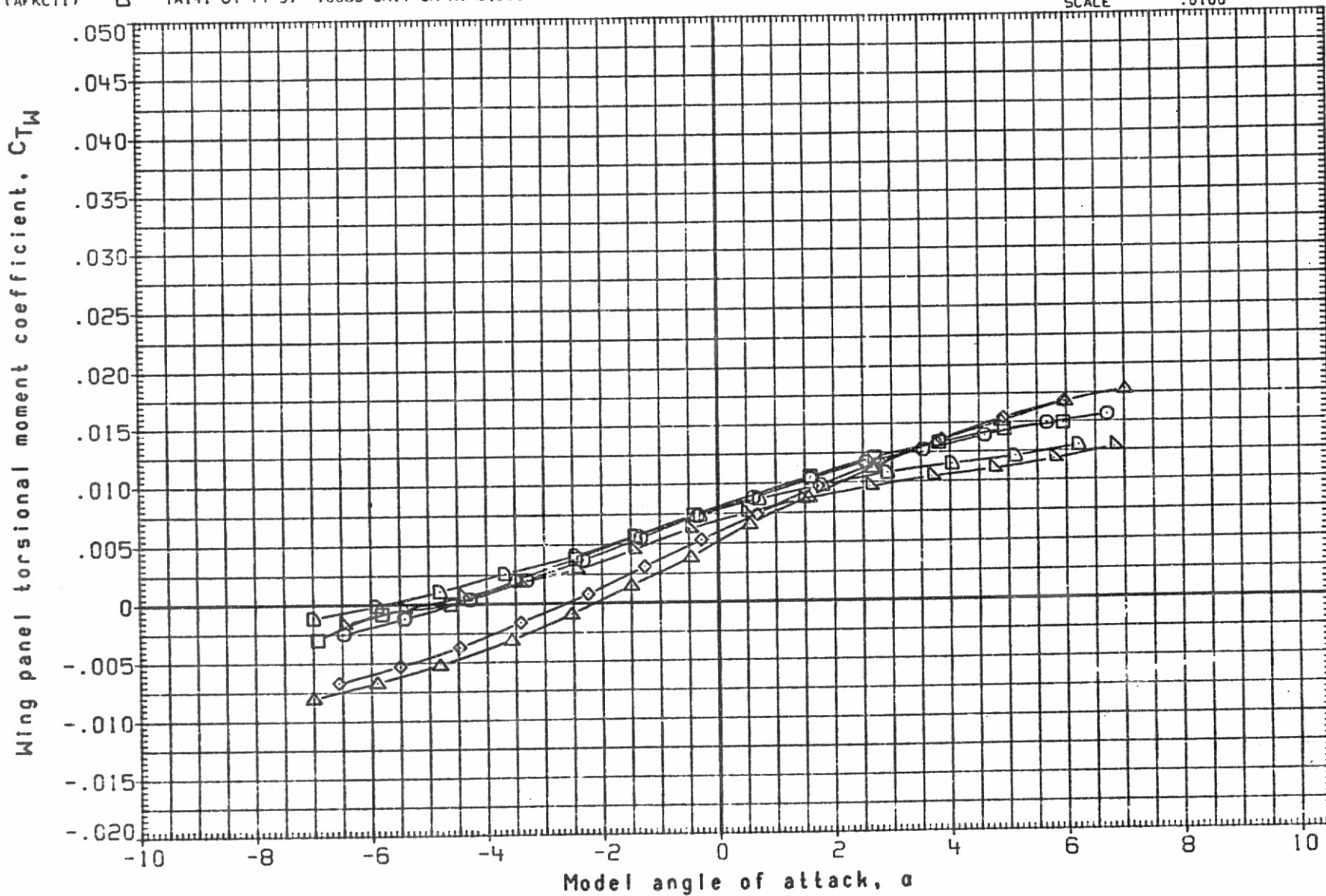


FIG 11 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.25, ELEVON 10

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION		
(AFKA15)	○	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	SREF	2690.0000	50.FT.
(AFKA18)	◇	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	LREF	1290.3000	INCHES
(AFKA12)	◇	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	7.000	BREF	1290.3000	INCHES
(AFKA13)	△	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	11.500	XMRP	976.0000	IN. XT
(AFKA10)	△	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	7.000	YMRP	.0000	IN. YT
(AFKA11)	△	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	11.500	ZMRP	400.0000	IN. ZT
								SCALE	.0100	

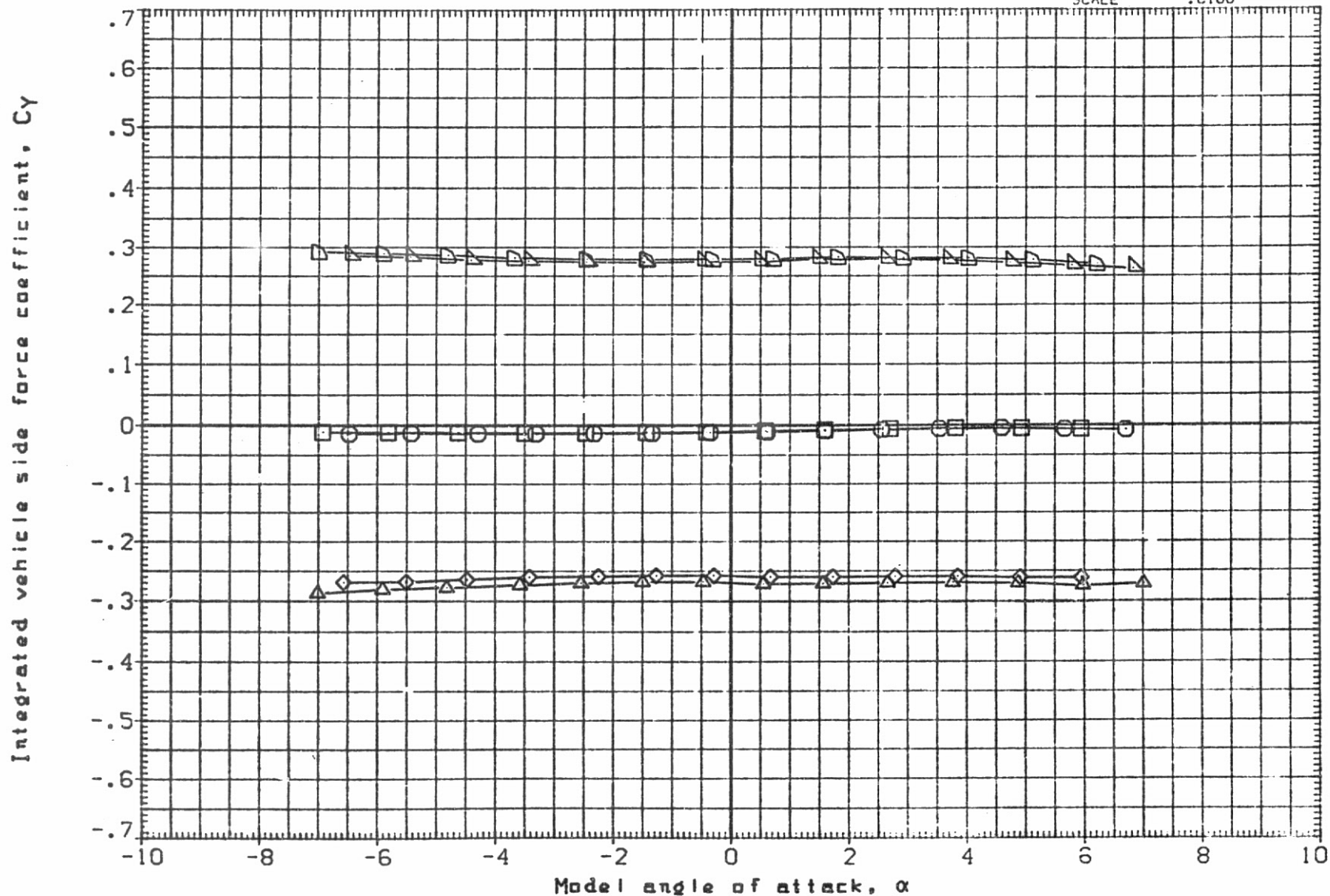


FIG 11 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.25, ELEVON 10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA15)	○	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	10.000	10.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKA18)	□	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	10.000	10.000	.000	11.500	LREF 1290.3000 INCHES
(AFKA12)	◇	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	10.000	10.000	6.000	7.000	BREF 1290.3000 INCHES
(AFKA13)	△	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	10.000	10.000	6.000	11.500	XMRP 976.0000 IN. XT
(AFKA10)	▽	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	10.000	10.000	-6.000	7.000	YMRP .0000 IN. YT
(AFKA11)	◇	IA141 04 T4 S7 .0065 GRIT ON WING.BODY AND VERT	10.000	10.000	-6.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

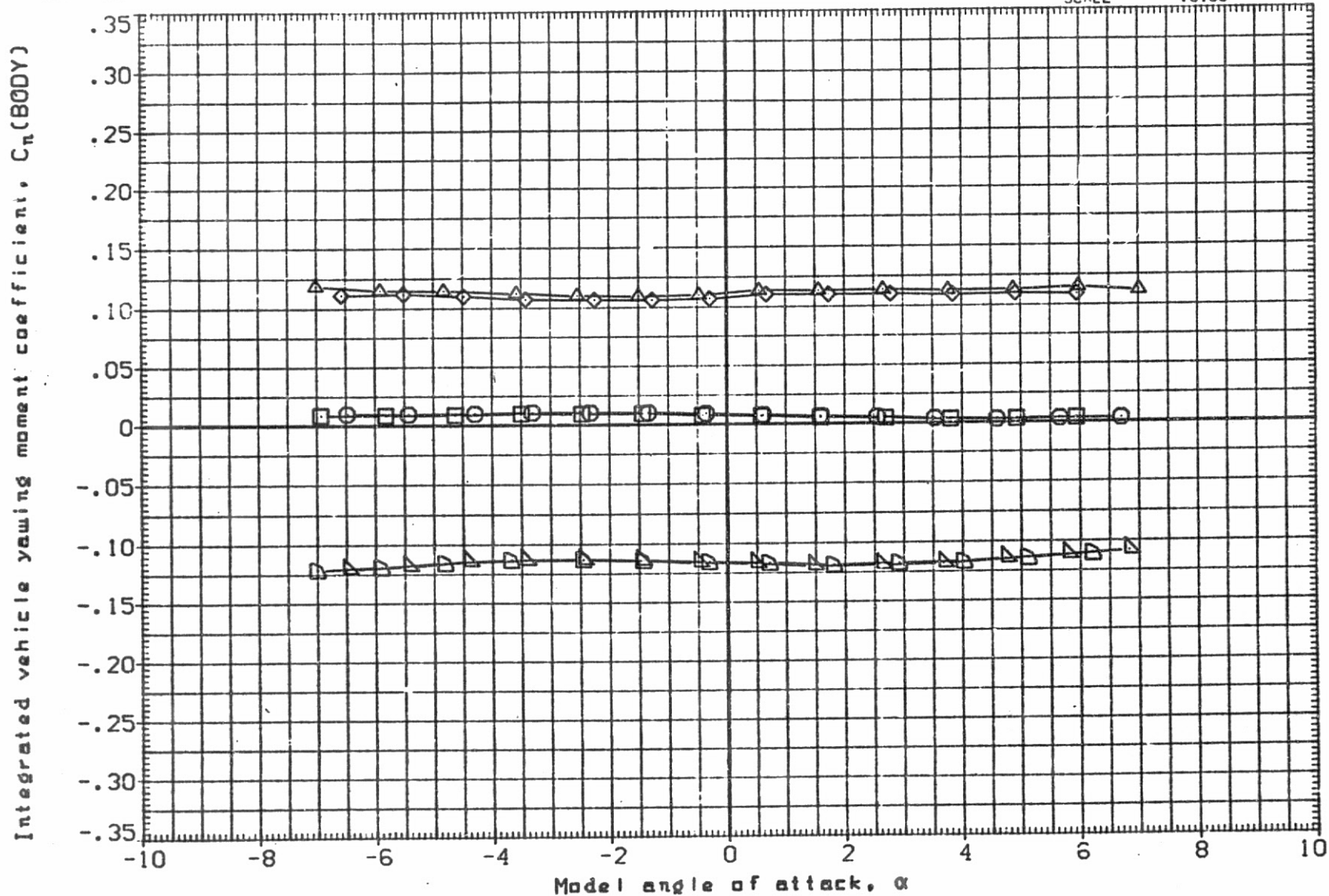


FIG 11 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.25. ELEVON 10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA15)	○	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	.000	7.000	SREF 2690.0000 50.FT.
(AFKA18)	□	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	.000	11.500	LREF 1290.3000 INCHES
(AFKA12)	◇	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	6.000	7.000	BREF 1290.3000 INCHES
(AFKA13)	△	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	6.000	11.500	XMRP 976.0000 IN. XT
(AFKA10)	▽	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	-6.000	7.000	YMRP .0000 IN. YT
(AFKA11)	◇	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	-6.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

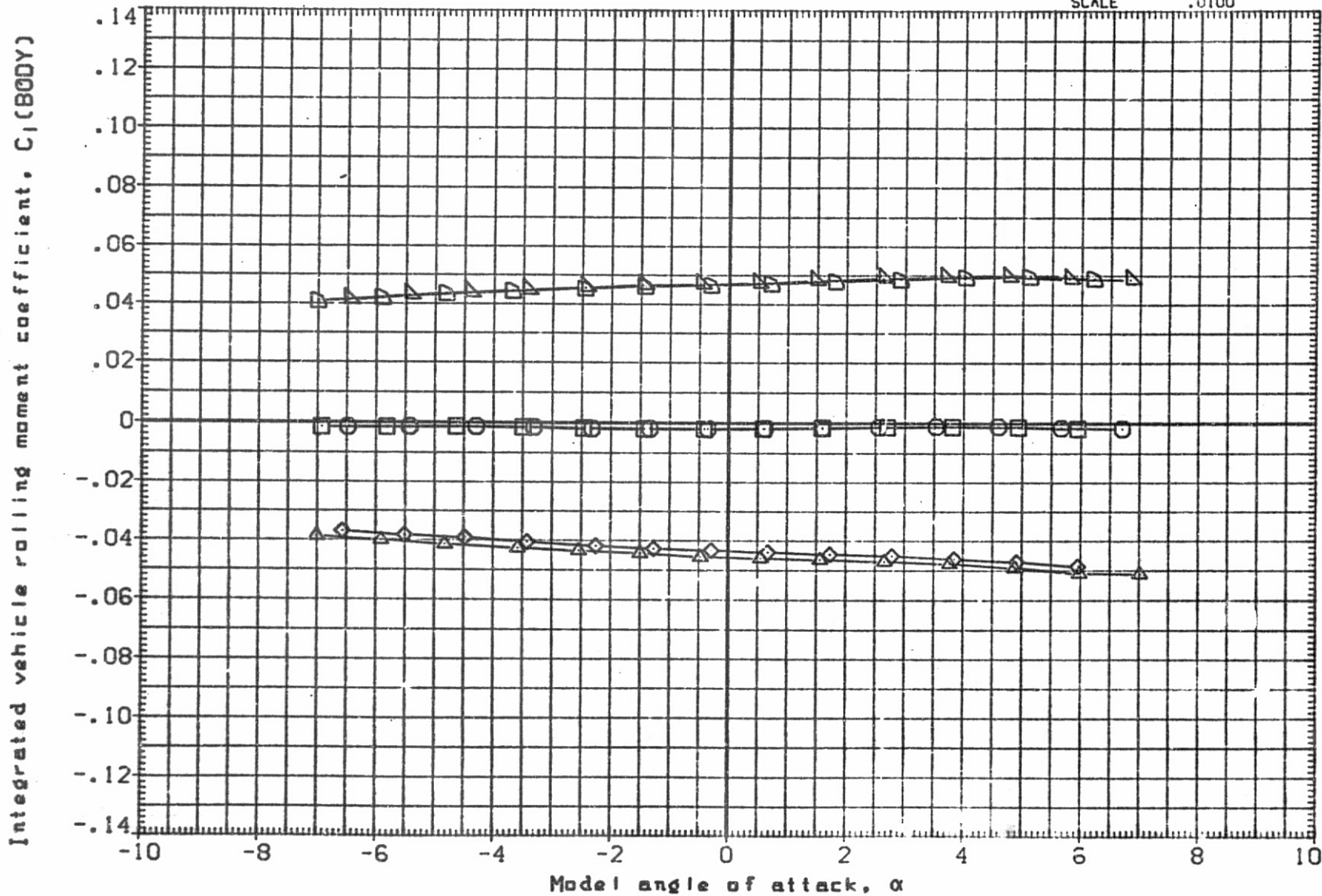


FIG 11 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.25, ELEVON 10

(A) MACH = 1.25

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION		
(AFKC15)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	SREF	2690.0000	50. FT.
(AFKC18)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	LREF	1290.3000	INCHES
(AFKC12)	×	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	7.000	BREF	1290.3000	INCHES
(AFKC13)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	11.500	XMRP	976.0000	IN. XT
(AFKC10)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	7.000	YMRP	.0000	IN. YT
(AFKC11)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	11.500	ZMRP	400.0000	IN. ZT
							SCALE	.0100	

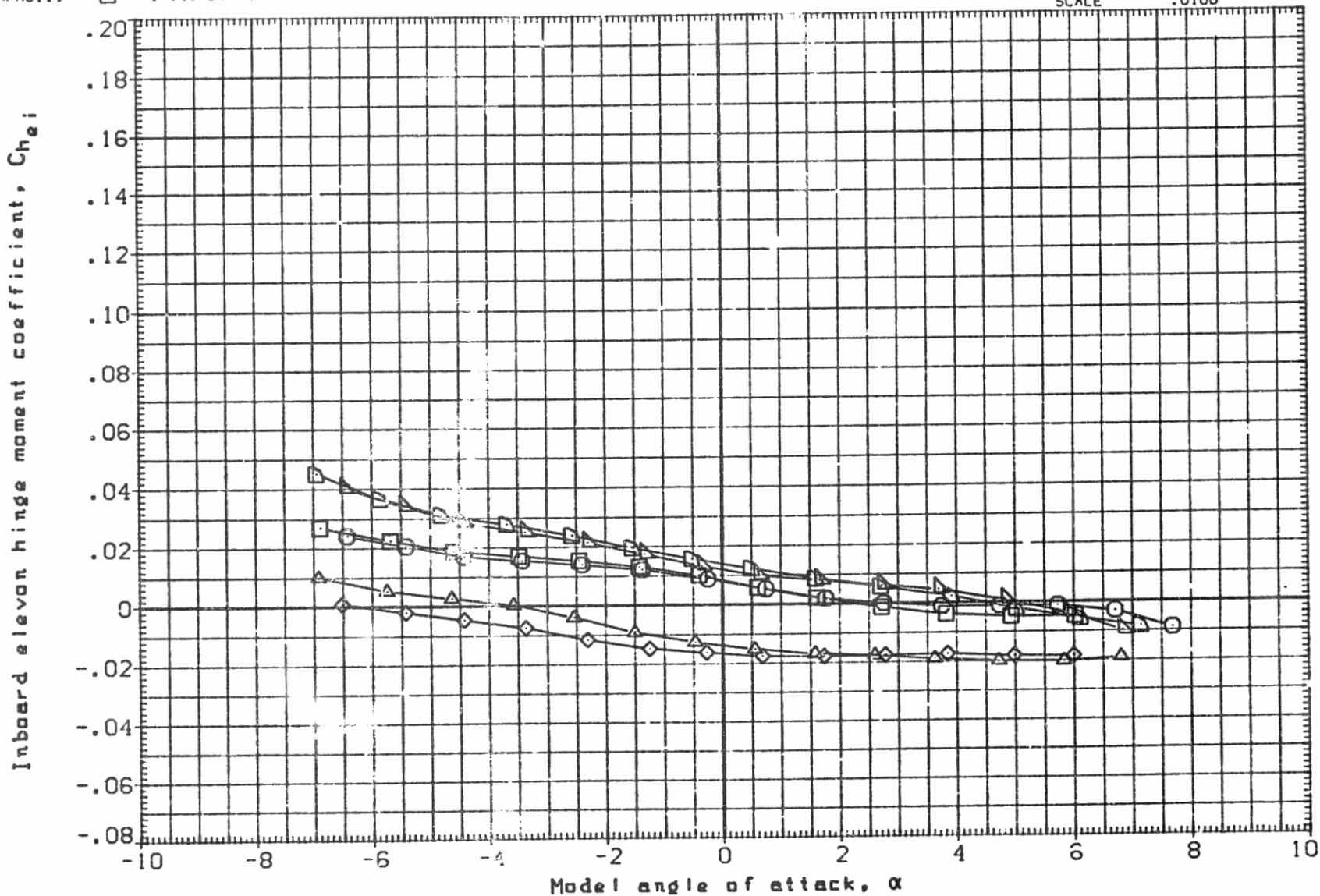


FIG 12 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.05, ELEVON 10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKC15)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKC18)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	LREF 1290.3000 INCHES
(AFKC12)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	7.000	BREF 1290.3000 INCHES
(AFKC13)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	11.500	XMRP 976.0000 IN. XT
(AFKC10)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	7.000	YMRP .0000 IN. YT
(AFKC11)	◻	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

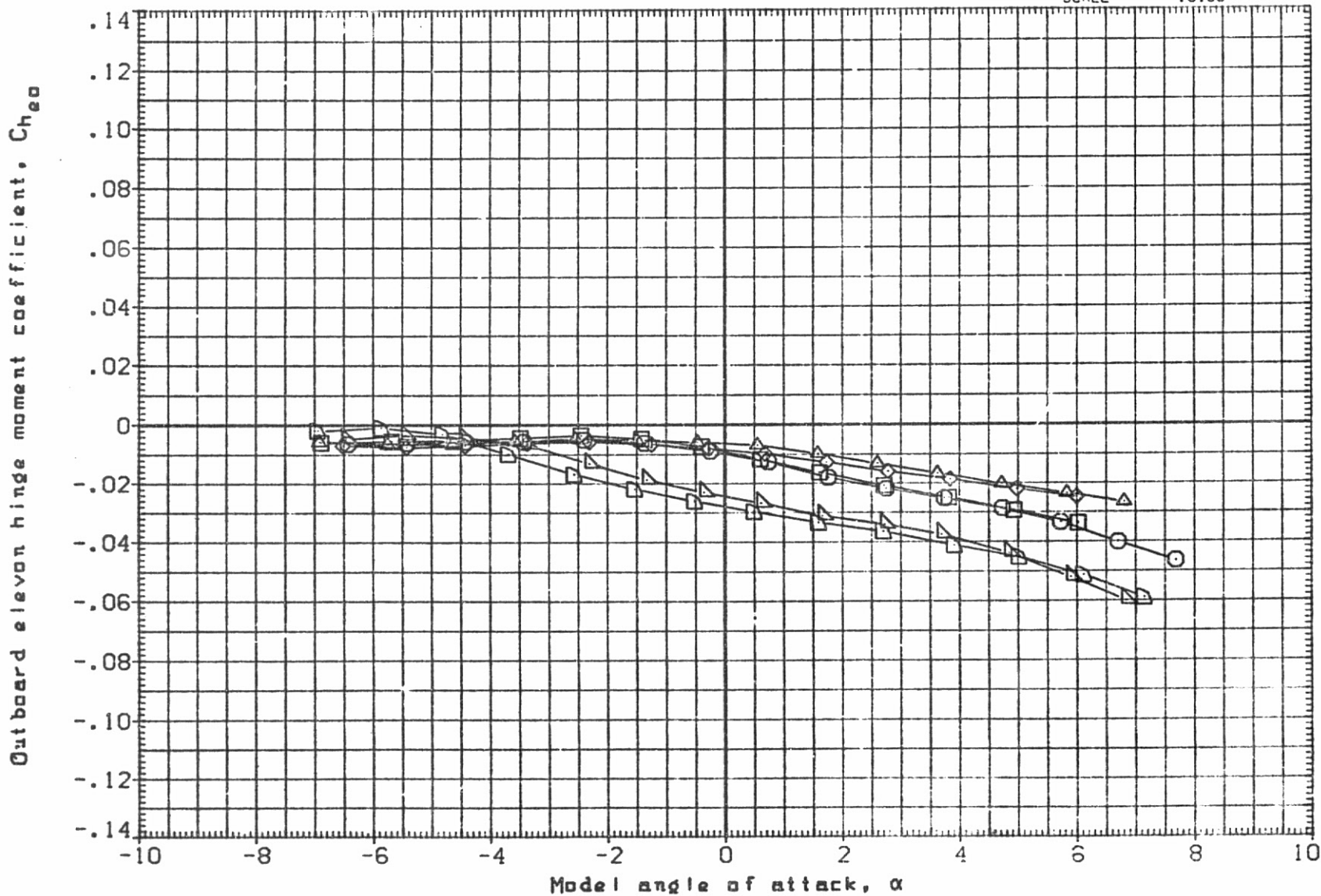


FIG 12 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.05. ELEVON 10

(A)MACH = 1.08

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DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKC15)	○	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	.000	7.000	SREF 2690.0000 SQ. FT.
(AFKC18)	□	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	.000	11.500	LREF 1290.3000 INCHES
(AFKC12)	◇	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	6.000	7.000	BREF 1290.3000 INCHES
(AFKC13)	△	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	6.000	11.500	XMRP 976.0000 IN. XT
(AFKC10)	▽	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	-6.000	7.000	YMRP .0000 IN. YT
(AFKC11)	▷	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	-6.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

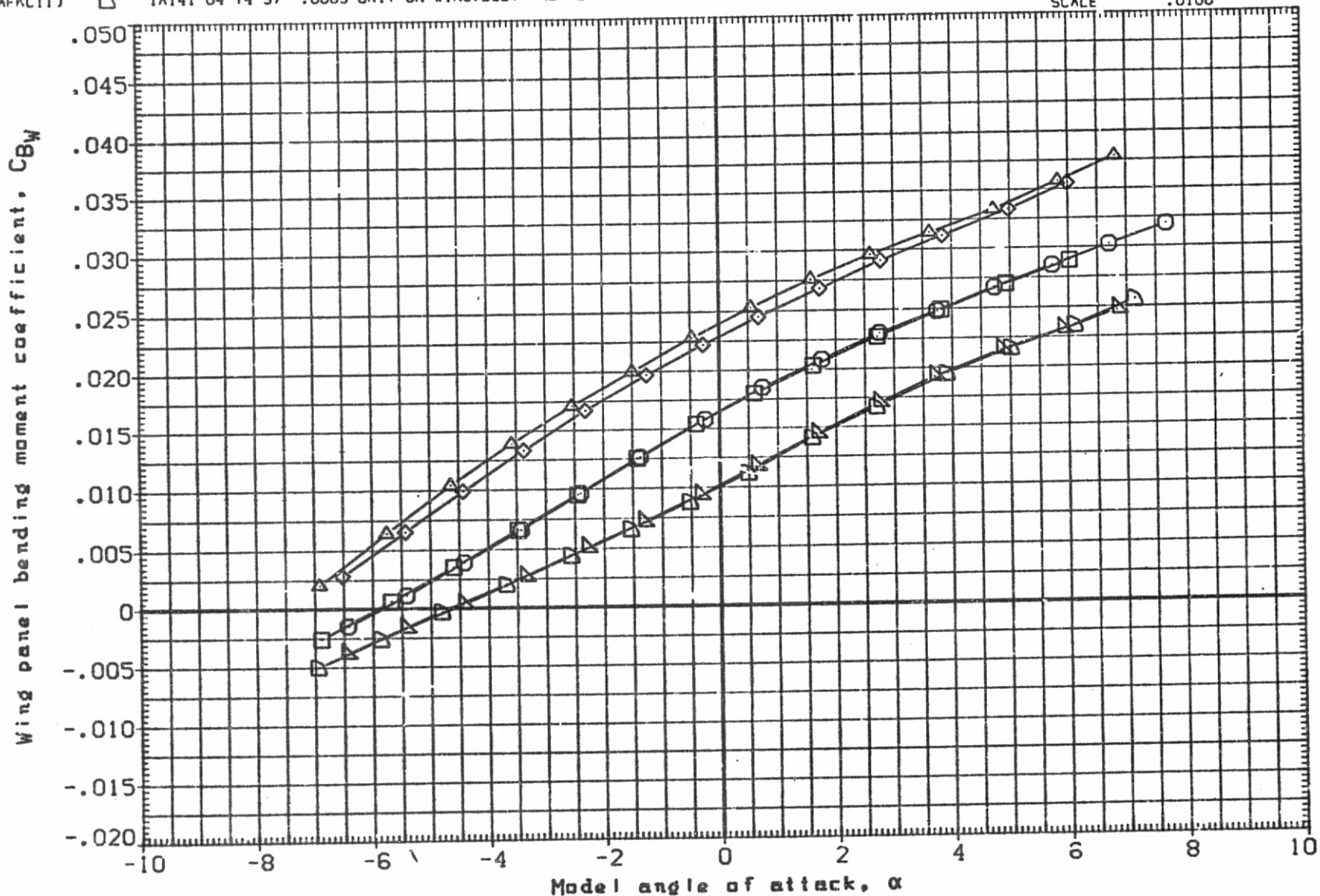


FIG 12 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.05, ELEVON 10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKC15)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKC18)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	LREF 1290.3000 INCHES
(AFKC12)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	7.000	BREF 1290.3000 INCHES
(AFKC13)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	11.500	XMRP 976.0000 IN. XT
(AFKC10)	◊	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	7.000	YMRP .0000 IN. YT
(AFKC11)	◊	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

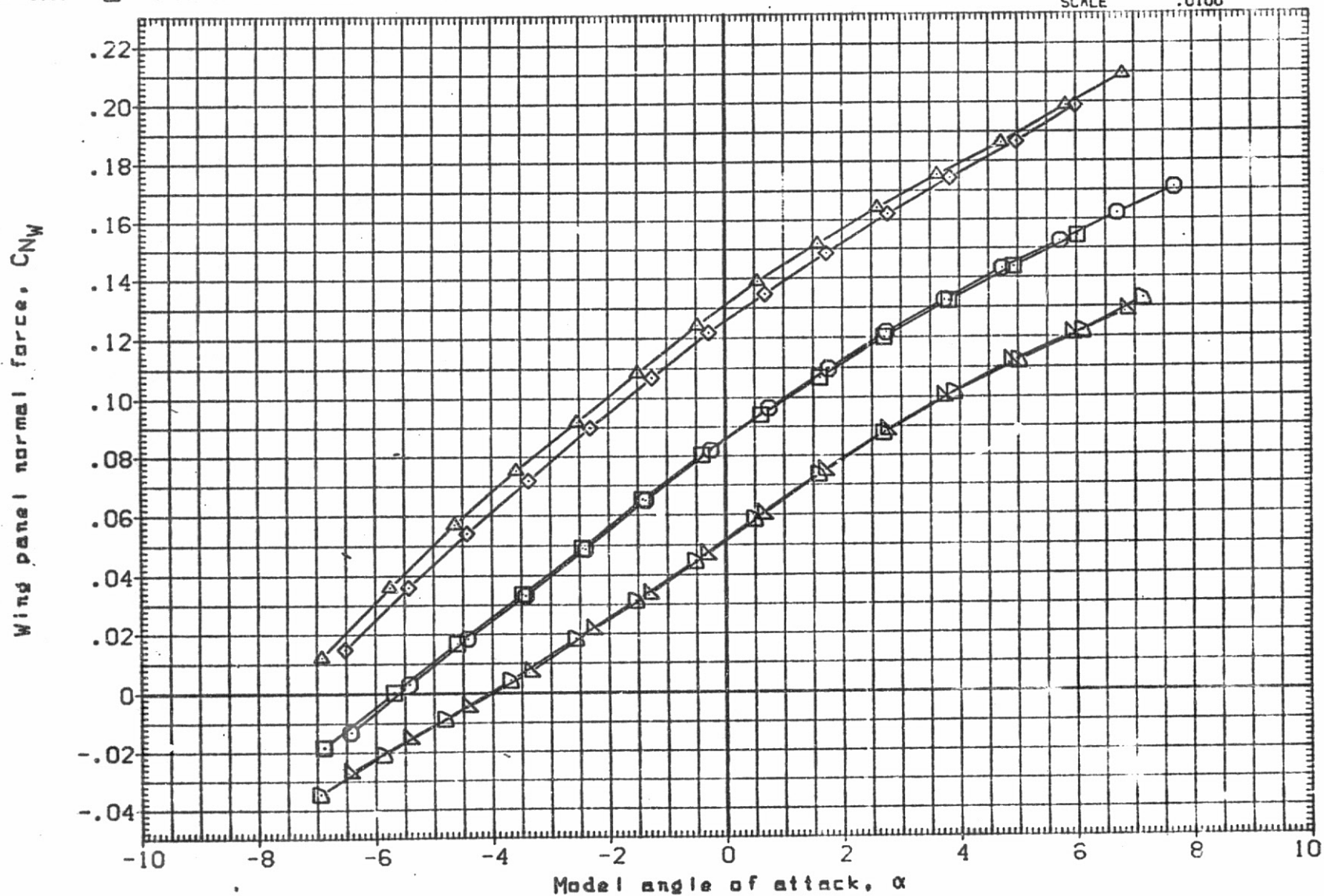


FIG 12 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.05, ELEVON 10

(A)MACH = 1.08

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION		
(AFKC15)	○	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	SREF	2690.0000	SQ.FT.
(AFKC18)	□	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	LREF	1290.3000	INCHES
(AFKC12)	◇	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	3.000	7.000	BREF	1290.3000	INCHES
(AFKC13)	△	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	3.000	11.500	XMRP	976.0000	IN. XT
(AFKC10)	▽	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-3.000	7.000	YMRP	.0000	IN. YT
(AFKC11)	▷	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-3.000	11.500	ZMRP	400.0000	IN. YT
								SCALE	.0100	

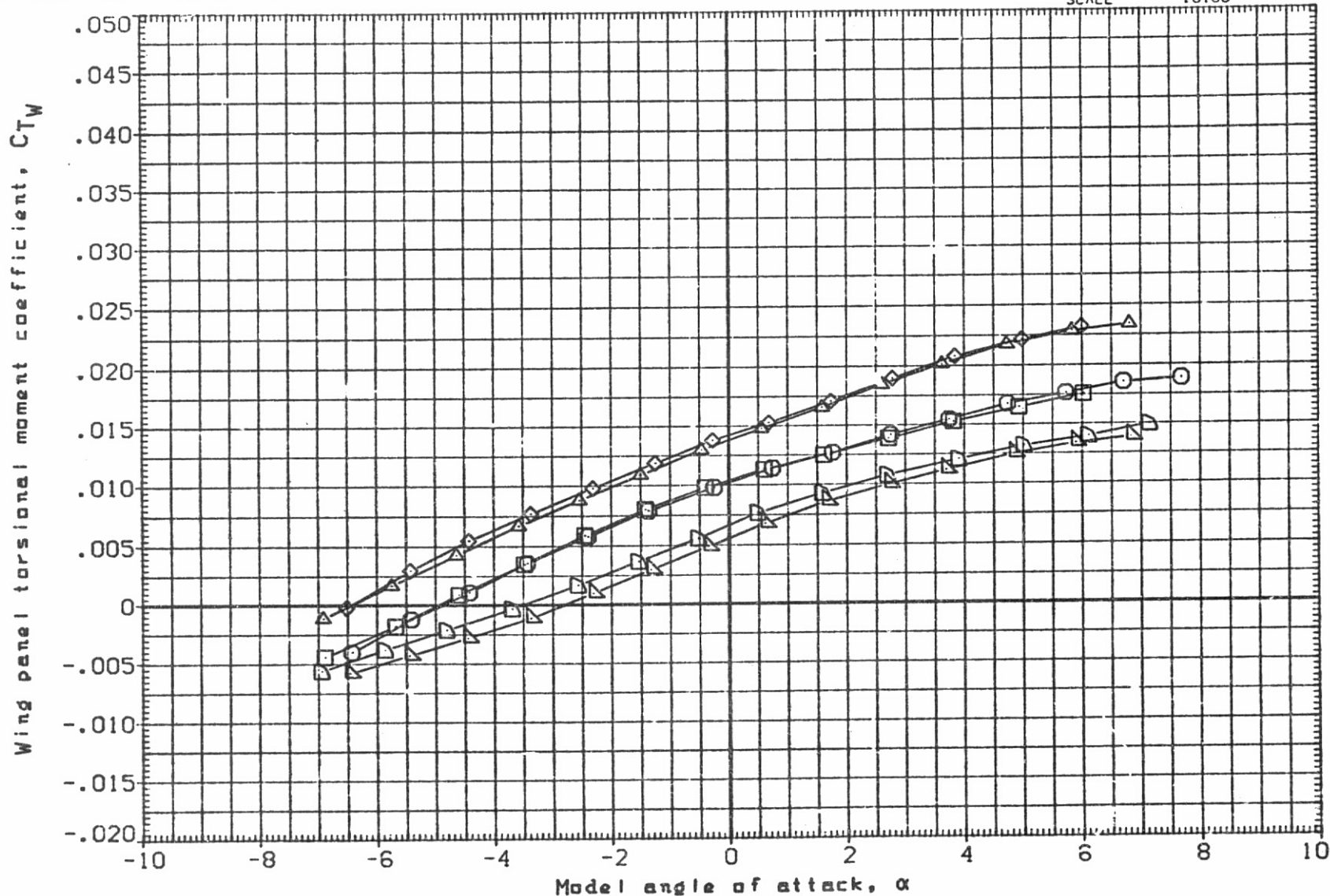


FIG 12 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.05, ELEVON 10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA15)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKA18)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	LREF 1290.3000 INCHES
(AFKA12)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	7.000	BREF 1290.3000 INCHES
(AFKA13)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	11.500	XMRP 976.0000 IN. XT
(AFKA10)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	7.000	YMRP .0000 IN. YT
(AFKA11)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

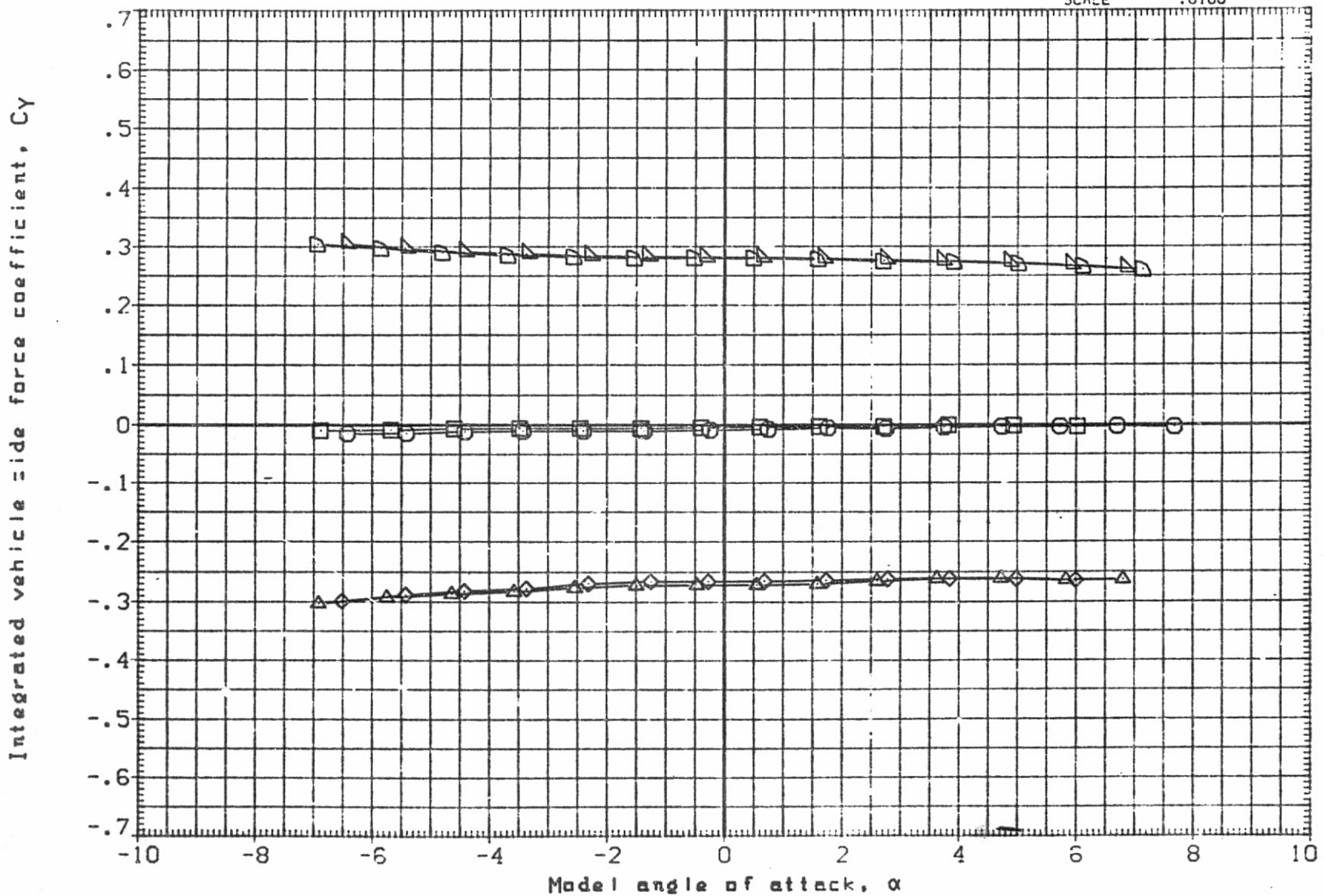


FIG 12 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.05, ELEVON 10

(A) MACH = 1.08

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA15)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKA18)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	LREF 1290.3000 INCHES
(AFKA12)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	7.000	BREF 1290.3000 INCHES
(AFKA13)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	11.500	XMMP 976.0000 IN. XT
(AFKA10)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	7.000	YMMP .0000 IN. YT
(AFKA11)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	11.500	ZMMP 400.0000 IN. ZT
							SCALE .0100

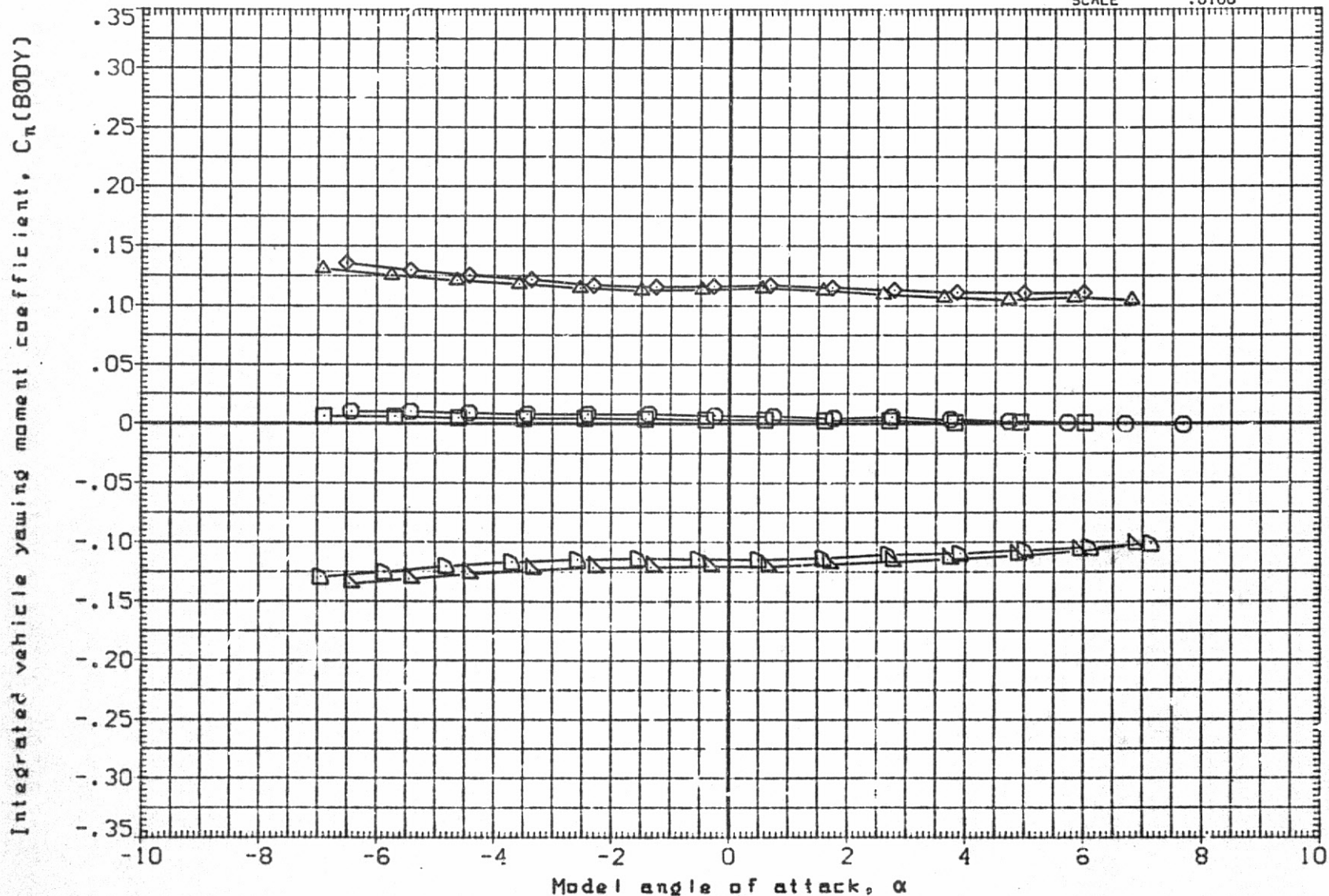


FIG 12 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.05, ELEVON 10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION		
(AFKA15)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	SREF	2690.0000	SQ.FT.
(AFKA18)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	LREF	1290.3000	INCHES
(AFKA12)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	7.000	BREF	1290.3000	INCHES
(AFKA13)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	11.500	XMRP	976.0000	IN. XT
(AFKA10)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	7.000	YMRP	.0000	IN. YT
(AFKA11)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	11.500	ZMRP	400.0000	IN. ZT
							SCALE	.0100	

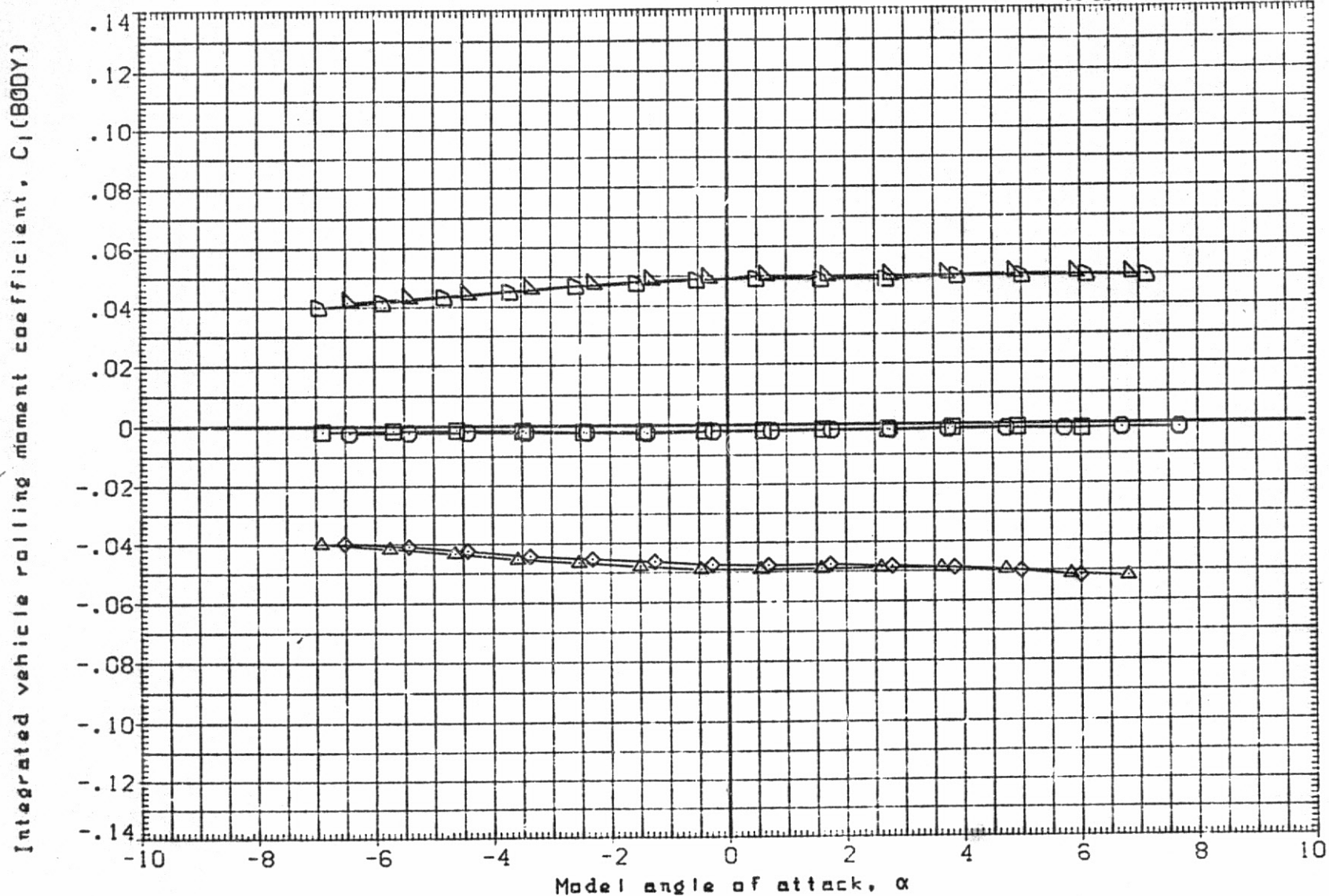


FIG 12 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH 1.05, ELEVON 10

(A)MACH = 1.08

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKC15)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKC18)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	LREF 1290.3000 INCHES
(AFKC12)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	7.000	BREF 1290.3000 INCHES
(AFKC13)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	11.500	XMRP 976.0000 IN. XT
(AFKC10)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	7.000	YMRP .0000 IN. YT
(AFKC11)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

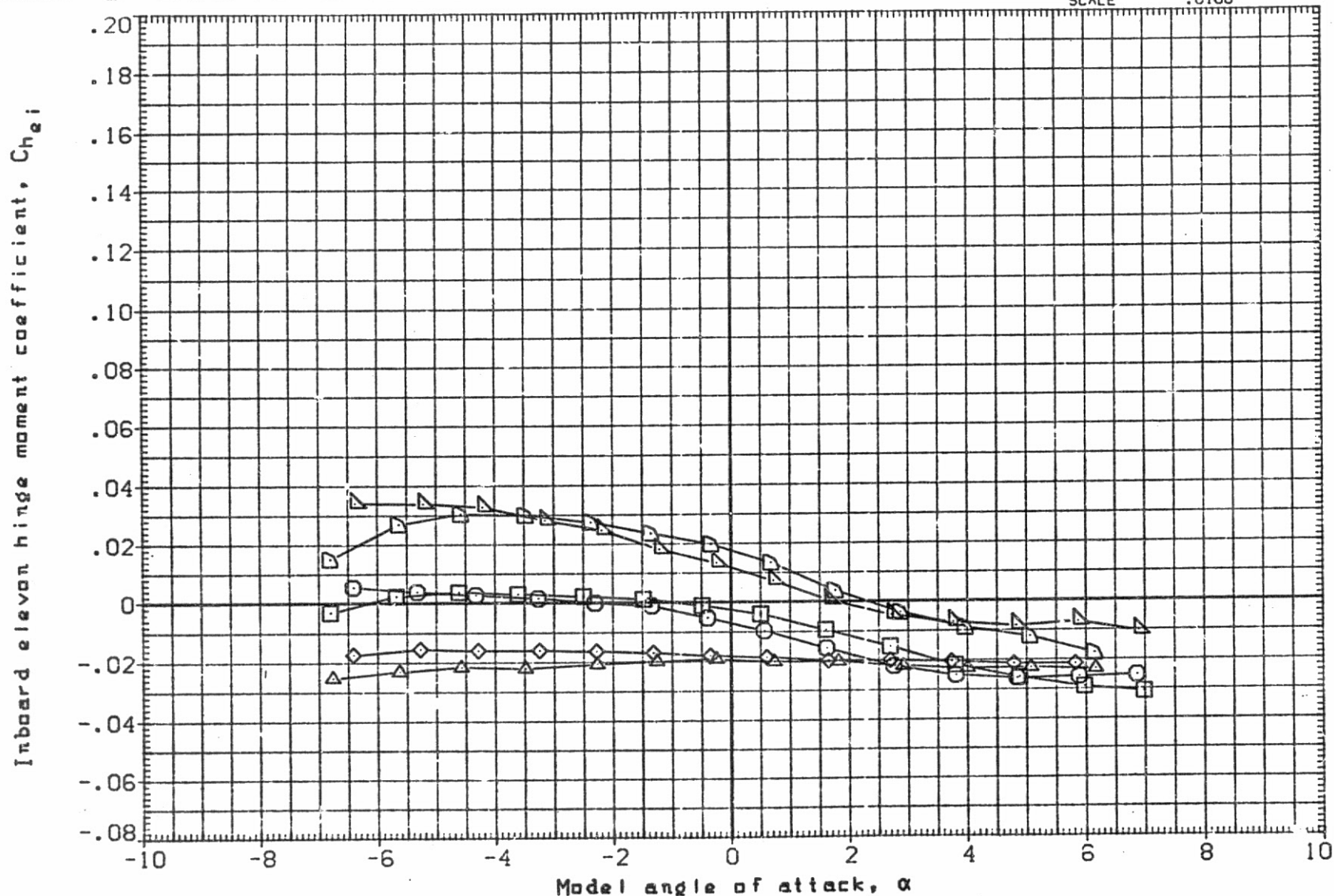


FIG 13 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH .975, FLEVON 10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKC15)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	SREF 2690.0000 SQ. FT.
(AFKC18)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	LREF 1290.3000 INCHES
(AFKC12)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	7.000	BREF 1290.3000 INCHES
(AFKC13)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	11.500	XMRP 976.0000 IN. XT
(AFKC10)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	7.000	YMRP .0000 IN. XT
(AFKC11)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

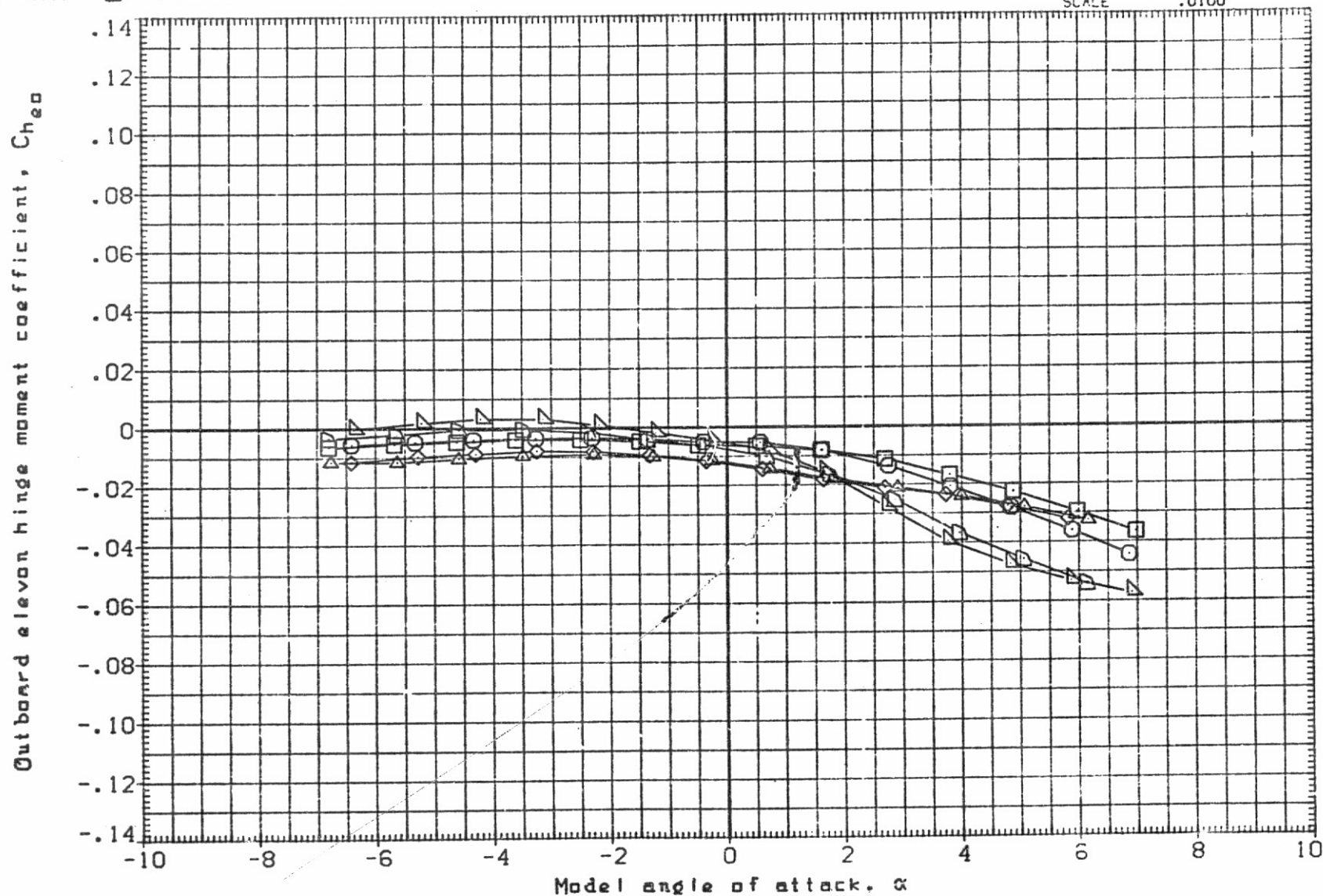


FIG 13 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH .975, ELEVON 10

(A)MACH = .98

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION		
(AFKC15)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	SREF	2690.0000	SQ.FT.
(AFKC18)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	LREF	1290.3000	INCHES
(AFKC12)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	7.000	BREF	1290.3000	INCHES
(AFKC13)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	11.500	XMRP	976.0000	IN. XT
(AFKC10)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	7.000	YMRP	.0000	IN. YT
(AFKC11)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	11.500	ZMRP	400.0000	IN. ZT
							SCALE	.0100	

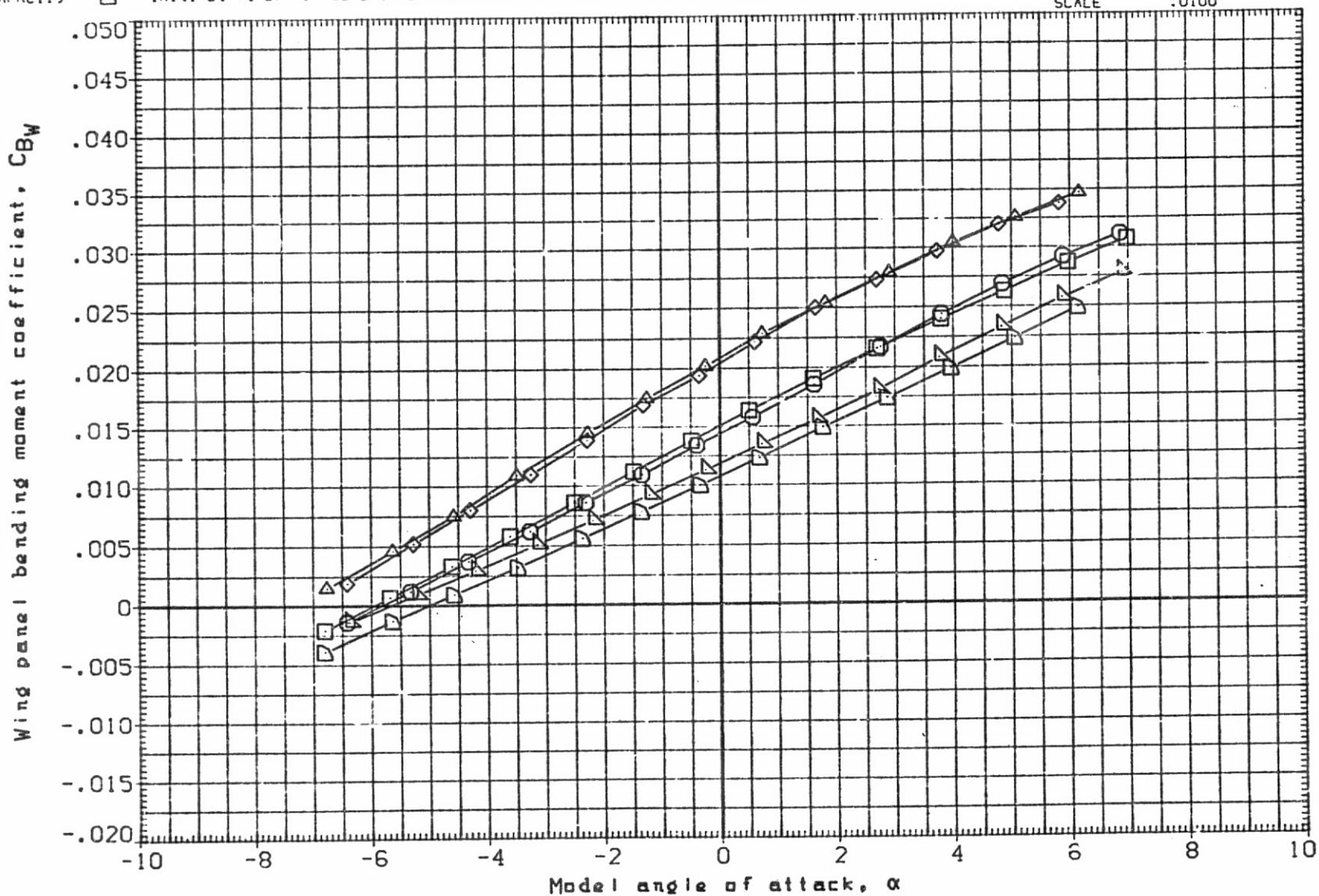


FIG 13 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH .975, ELEVON 10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKC15)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	SREF 2690.0000 SQ. FT.
(AFKC18)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	LREF 1290.3000 INCHES
(AFKC12)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	7.000	BREF 1290.3000 INCHES
(AFKC13)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	11.500	XMRP 976.0000 IN. XT
(AFKC10)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	7.000	YMRP .0000 IN. YT
(AFKC11)	▷	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	11.500	ZMRP 100.0000 IN. ZT
							SCALE .0100

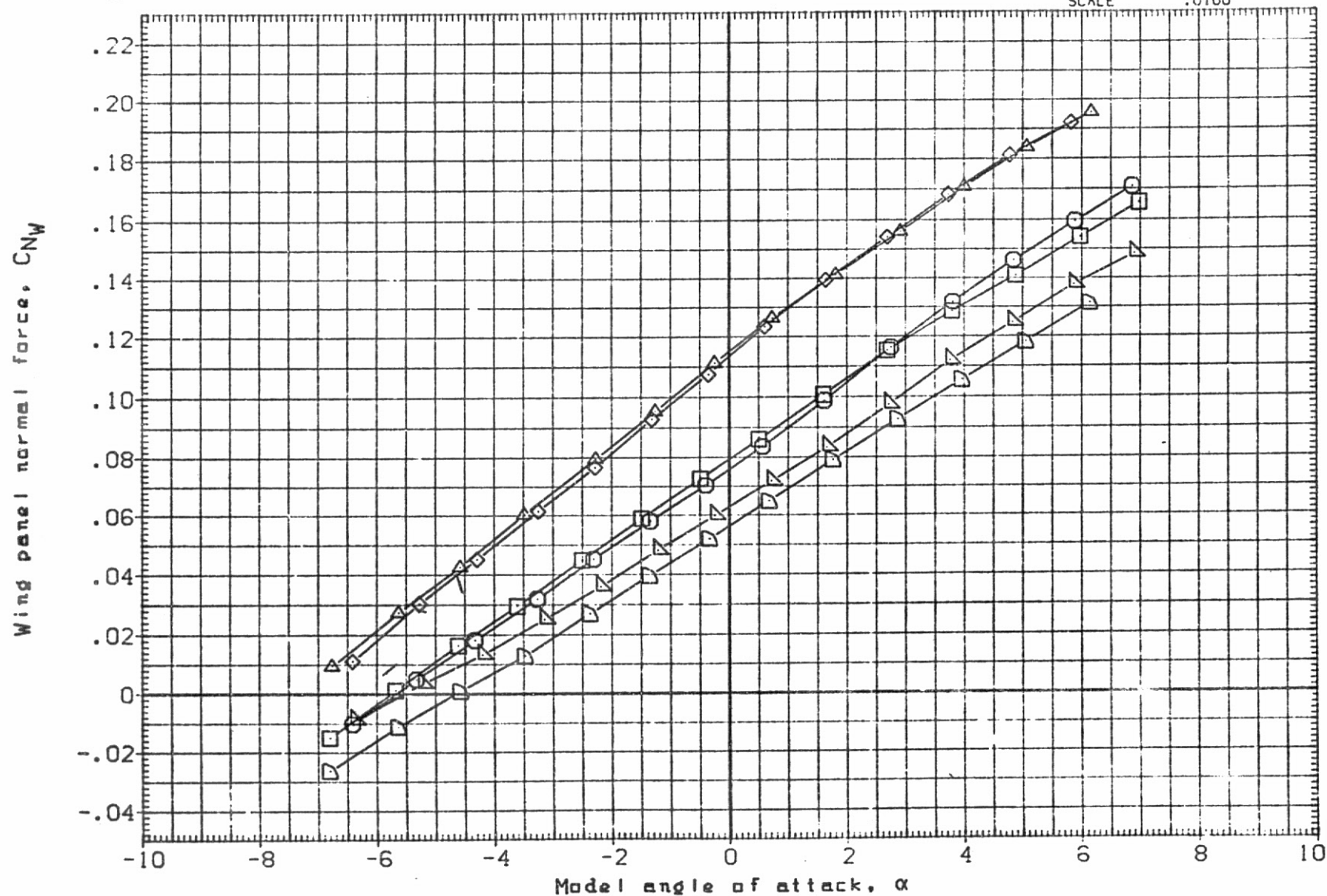


FIG 13 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH .975, ELEVON 10

(A)MACH = .98

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKC15)	○	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	.000	7.000	SREF 2690.0000 SQ. FT.
(AFKC18)	◇	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	.000	11.500	LREF 1290.3000 INCHES
(AFKC12)	□	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	3.000	7.000	BREF 1290.3000 INCHES
(AFKC13)	△	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	3.000	11.500	XMRP 976.0000 IN. XT
(AFKC10)	◇	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	-3.000	7.000	YMRP .0000 IN. YT
(AFKC11)	△	IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT	10.000	10.000	-3.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

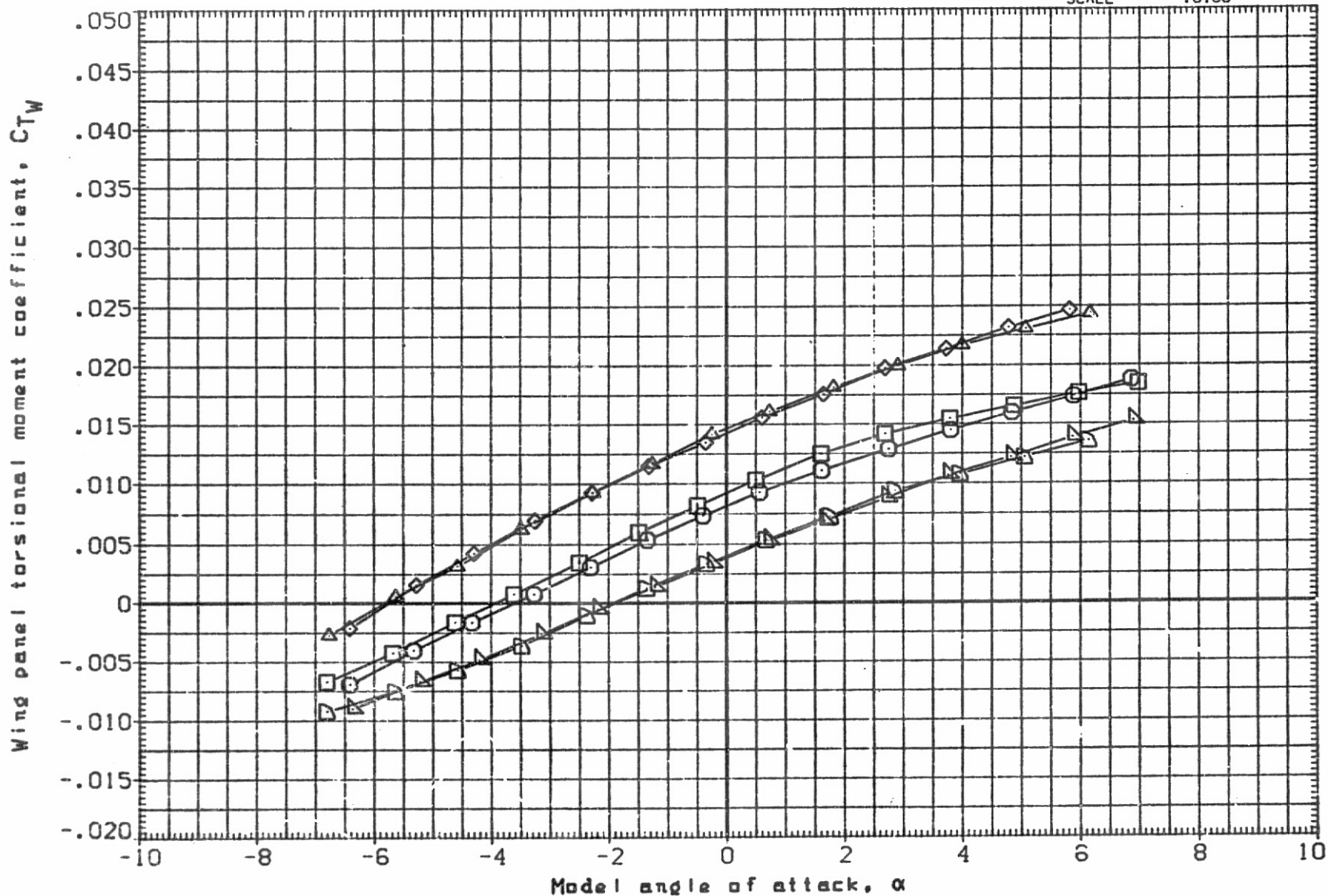


FIG 13 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH .975, ELEVON 10

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA15)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	SREF 2690.0000 SQ.FT.
(AFKA18)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	LREF 1290.3000 INCHES
(AFKA12)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	7.000	BREF 1290.3000 INCHES
(AFKA13)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	11.500	XMRP 976.0000 IN. XT
(AFKA10)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	7.000	YMRP .0000 IN. YT
(AFKA11)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

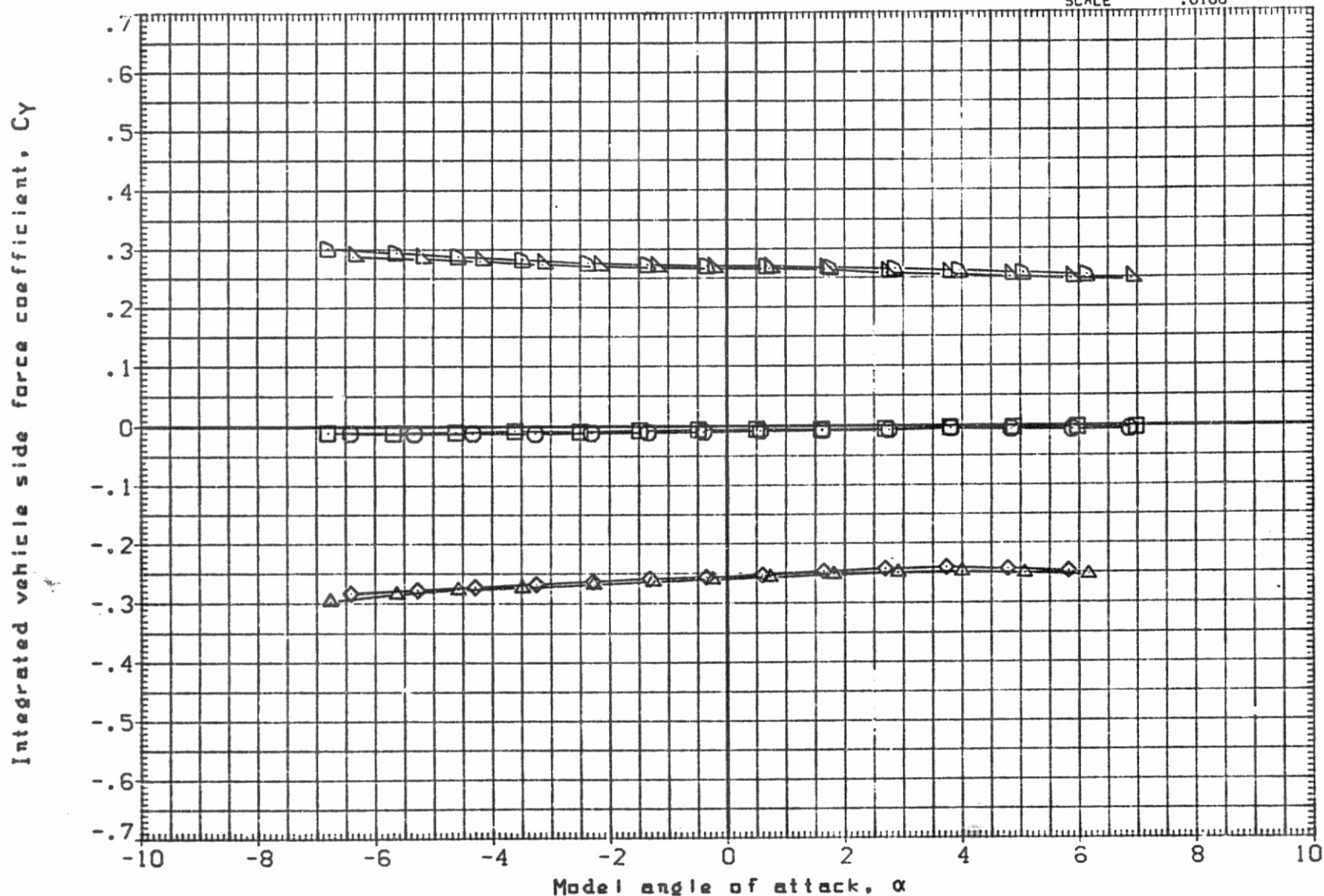


FIG 13 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH .975, ELEVON 10

(A)MACH = .98

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION
(AFKA15)	○	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	SREF 2690.0000 SQ. FT.
(AFKA18)	□	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	LREF 1290.3000 INCHES
(AFKA12)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	7.000	BREF 1290.3000 INCHES
(AFKA13)	△	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	11.500	XMRP 976.0000 IN. XT
(AFKA10)	▽	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	7.000	YMRP .0000 IN. YT
(AFKA11)	◇	IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	11.500	ZMRP 400.0000 IN. ZT
							SCALE .0100

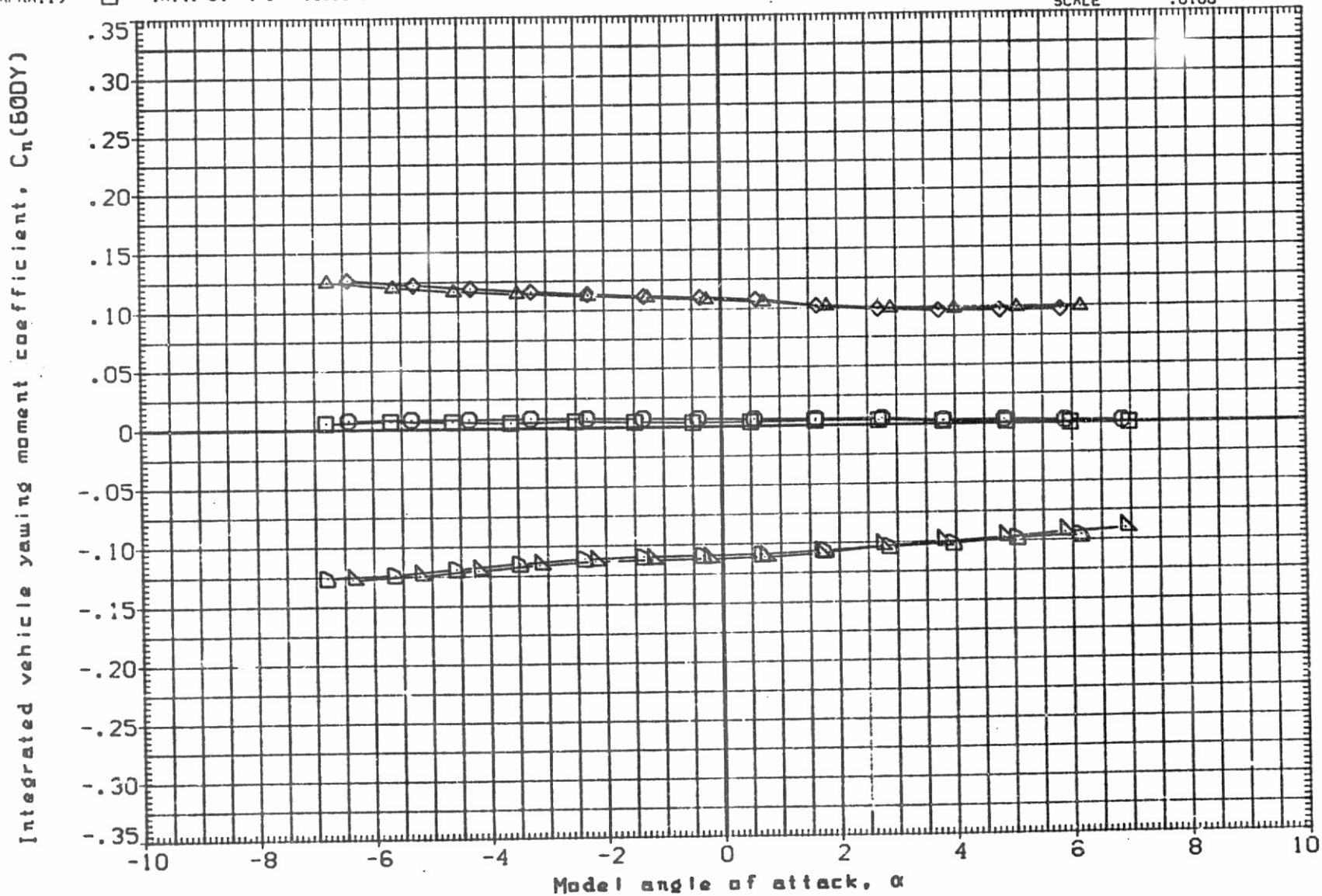


FIG 13 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH .975, ELEVON 10

DATA SET	SYMBOL	CONFIGURATION	DESCRIPTION	ELV-IL	ELV-IR	BETA	RN/L	REFERENCE INFORMATION		
(AFKA15)	□	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	7.000	SREF	2690.0000	50. FT.
(AFKA18)	○	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	.000	11.500	LREF	1290.3000	INCHES
(AFKA12)	◇	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	7.000	BREF	1290.3000	INCHES
(AFKA13)	△	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	6.000	11.500	XMRP	976.0000	IN. XT
(AFKA10)	▽	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	7.000	YMRP	.0000	IN. YT
(AFKA11)	◻	IA141 04 T4 S7	.0065 GRIT ON WING,BODY AND VERT	10.000	10.000	-6.000	11.500	ZMRP	400.0000	IN. ZT
								SCALE	.0100	

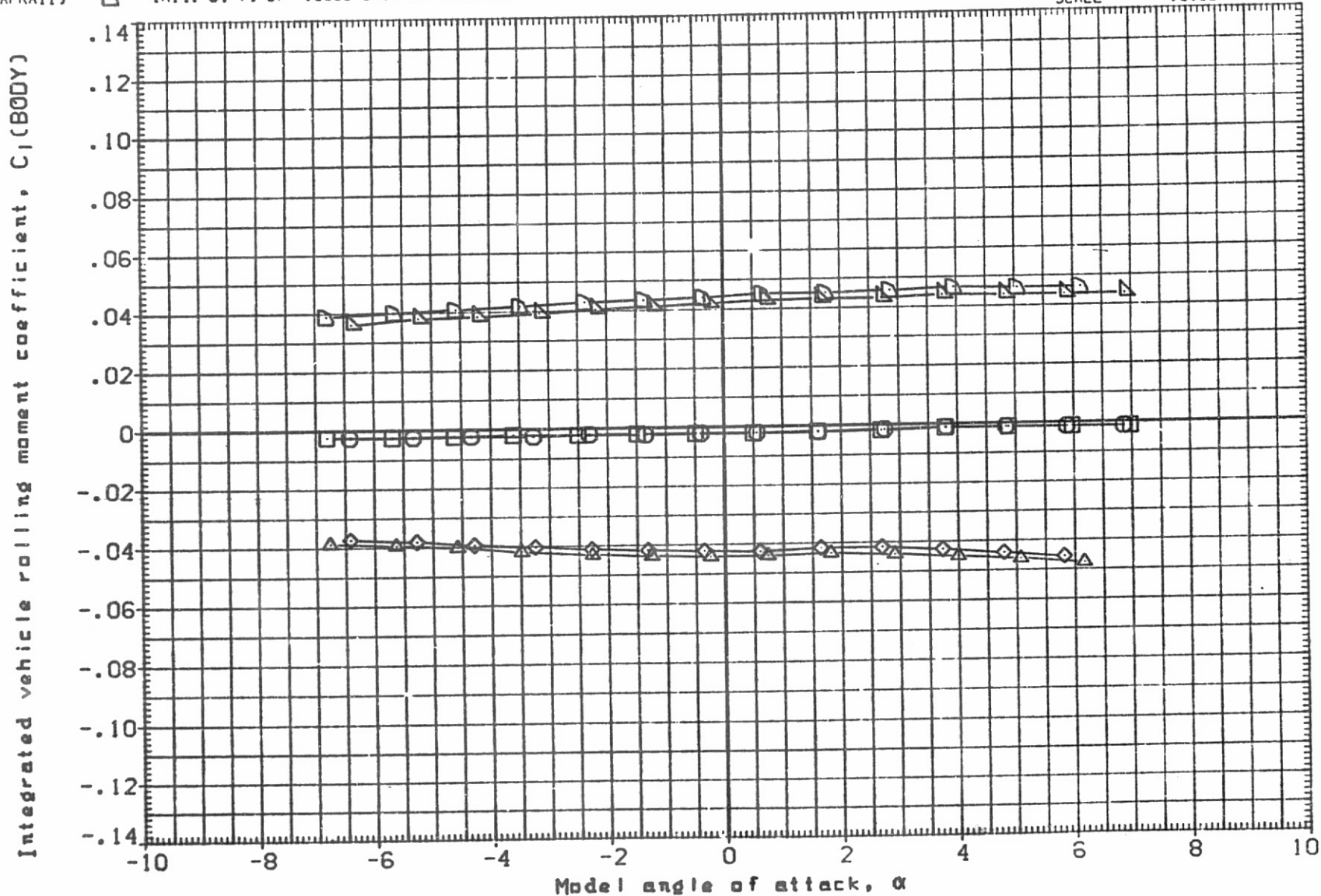


FIG 13 EFFECT OF REYNOLDS NUMBER ON LATERAL CHAR., MACH .975, ELEVON 10

(A)MACH = .98

APPENDIX
TABULATED SOURCE DATA

Tabulations of plotted data are available
on request from Data Management Services.

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

PAGE 1

1A141 03 T5 S8 NO GRIT

(AFKA01) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 1/ 0 RN/L = 7.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
1.269	-6.560	-.50610	.28570	.22050	-.03980	.03440	.08010	.07380	.00639	-.00015
1.269	-5.530	-.42800	.28690	.18910	-.03940	.03410	.07800	.07340	.00624	-.00029
1.269	-4.440	-.34660	.28790	.15680	-.03030	.03390	.07600	.07280	.00697	-.00044
1.269	-3.460	-.27740	.29020	.12970	-.03130	.03360	.07470	.07250	.00820	-.00065
1.269	-2.470	-.20390	.29270	.10300	-.03120	.03320	.07350	.07150	.00826	-.00087
1.269	-1.490	-.13350	.29490	.07740	-.03080	.03300	.07250	.07120	.00784	-.00087
1.269	-.500	-.06490	.29510	.05570	-.00990	.03250	.07160	.07040	.00653	-.00094
1.269	.460	-.02340	.29400	.03420	-.00850	.03170	.07060	.07040	.00537	-.00073
1.269	1.420	.02600	.29130	.01420	-.00610	.03120	.07010	.07080	.00363	-.00029
1.269	2.440	.08430	.28770	-.00760	-.00460	.03080	.06960	.07100	.00261	-.00022
1.269	3.460	.14550	.28600	-.03050	-.00280	.03050	.06790	.07060	.00145	-.00007
1.269	4.470	.20730	.28460	-.05290	-.00230	.03020	.06600	.07180	.00065	-.00022
1.269	5.480	.27000	.28210	-.07610	-.00360	.03010	.06410	.07370	.00094	-.00058
1.269	6.470	.32990	.27990	-.09950	-.00550	.02980	.06240	.07530	.00174	-.00080
	GRADIENT	.06133	-.00059	-.02317	.00111	-.00045	-.00102	-.00016	-.00090	.00007

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OF POOR QUALITY

1A141 02 T5 S8 .0065 GRIT ON WING

(AFKA02) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 2/ 0 RN/L = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
1.267	-6.540	-.50550	.28540	.21970	-.00830	.03350	.07960	.07390	.00508	-.00007
1.267	-5.430	-.41730	.28710	.18330	-.00880	.03370	.07720	.07280	.00515	-.00029
1.267	-4.440	-.34420	.28950	.15420	-.00960	.03350	.07530	.07230	.00537	-.00022
1.267	-3.420	-.27170	.29040	.12570	-.01020	.03300	.07390	.07170	.00704	-.00044
1.267	-2.420	-.20200	.29290	.09310	-.01000	.03260	.07270	.07100	.00690	-.00065
1.267	-1.410	-.13540	.29500	.07260	-.00960	.03220	.07160	.07040	.00610	-.00051
1.267	-.440	-.07790	.29540	.05120	-.00720	.03190	.07100	.07000	.00428	-.00058
1.267	.530	-.02110	.29420	.02920	-.00690	.03110	.06990	.06930	.00392	-.00044
1.267	1.500	.03520	.29150	.00860	-.00400	.03060	.06970	.07040	.00167	.00007
1.267	2.520	.09470	.28910	-.01390	-.00350	.03020	.06850	.07040	.00131	.00000
1.267	3.490	.15490	.28590	-.03630	-.00050	.02990	.06700	.07020	-.00051	.00015
1.267	4.510	.21710	.28320	-.05950	-.00090	.02970	.06520	.07140	-.00094	.00015
1.267	5.520	.27880	.28420	-.08210	-.00190	.02950	.06310	.07310	-.00055	-.00022
1.267	6.520	.33890	.28130	-.10560	-.00430	.02910	.06130	.07470	.00022	-.00073
	GRADIENT	.06179	-.00052	-.02547	.00113	-.00044	-.00101	-.00013	-.00092	.00008

IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA03) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDF-LAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 4/ 0 RN/L = 7.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
.972	-6.450	-.49680	.18900	.20780	-.01090	.03740	.09430	.06100	.00581	-.00174
.972	-5.430	-.42300	.19200	.17890	-.00910	.03650	.09010	.06240	.00566	-.00167
.972	-4.420	-.35140	.19180	.15070	-.01110	.03510	.08900	.05920	.00661	-.00189
.972	-3.450	-.28930	.19330	.12730	-.00890	.03460	.08770	.05840	.00653	-.00181
.972	-2.460	-.22300	.19460	.10240	-.00890	.03430	.08710	.05690	.00559	-.00174
.972	-1.480	-.15150	.19410	.07910	-.00790	.03390	.08790	.05580	.00486	-.00138
.972	-.500	-.08050	.19380	.05290	-.00710	.03430	.08490	.05470	.00443	-.00145
.972	.460	-.04330	.19180	.02950	-.00760	.03380	.08280	.05210	.00455	-.00167
.972	1.430	.01780	.18690	.00310	-.00560	.03360	.08130	.05910	.00436	-.00161
.972	2.390	.07890	.18460	-.02170	-.00600	.03410	.08120	.05940	.00407	-.00131
.972	3.350	.13870	.18400	-.04550	-.00390	.03370	.08060	.06100	.00240	-.00080
.972	4.360	.20260	.18150	-.07050	-.00300	.03360	.08050	.06300	.00116	-.00022
.972	5.370	.26740	.17820	-.09550	-.00240	.03320	.07870	.06270	-.00022	.00000
.972	6.370	.32350	.17590	-.11410	-.00370	.03270	.07880	.06640	-.00073	.00007
	GRADIENT	.06276	-.00144	-.02536	.00087	-.00014	-.00111	.00054	-.00054	.00014

RUN NO. 3/ 0 RN/L = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
1.069	-6.520	-.54310	.24410	.25510	-.01280	.04190	.10030	.09140	.00777	-.00145
1.069	-5.410	-.45770	.24930	.21980	-.01150	.04020	.09550	.08670	.00762	-.00116
1.069	-4.390	-.38320	.25060	.18980	-.00980	.03960	.09350	.08490	.00666	-.00109
1.069	-3.380	-.31270	.25210	.16140	-.00970	.03990	.09160	.08330	.00610	-.00131
1.069	-2.370	-.23980	.25430	.13180	-.00800	.03810	.09000	.08190	.00573	-.00152
1.069	-1.370	-.17100	.25520	.10330	-.00680	.03770	.08900	.08110	.00479	-.00145
1.069	-.370	-.10650	.25510	.07530	-.00680	.03730	.08840	.08060	.00486	-.00131
1.069	.610	-.04450	.25290	.04750	-.00650	.03700	.08640	.08190	.00479	-.00145
1.069	1.590	.01900	.25080	.02120	-.00580	.03700	.08540	.08250	.00428	-.00160
1.069	2.570	.08000	.24830	-.00300	-.00490	.03700	.08500	.08340	.00377	-.00145
1.069	3.550	.14210	.24580	-.02670	-.00270	.03760	.08440	.08530	.00189	-.00109
1.069	4.530	.20320	.24280	-.04980	-.00190	.03780	.08340	.08830	.00044	-.00094
1.069	5.500	.26200	.23900	-.07130	-.00110	.03840	.08300	.09100	-.00080	-.00109
1.069	6.510	.32090	.23510	-.09220	-.00210	.03920	.08250	.09330	-.00109	-.00123
	GRADIENT	.06550	-.00097	-.02709	.00081	-.00020	-.00110	.00035	-.00059	.00002

1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA04) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 9.000

RUN NO. 5/ 0 RN/L = 9.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
1.083	-6.720	-.54550	.24570	.25010	-.01020	.03990	.09730	.08570	.00632	-.00131
1.083	-5.650	-.46390	.24720	.21780	-.00940	.03930	.09480	.08510	.00588	-.00123
1.083	-4.610	-.39040	.24790	.18940	-.00830	.03910	.09300	.08380	.00523	-.00131
1.083	-3.600	-.32100	.24970	.16250	-.00650	.03860	.09110	.08270	.00407	-.00123
1.083	-2.580	-.25110	.25160	.13480	-.00650	.03780	.08960	.08200	.00428	-.00152
1.083	-1.560	-.18150	.25370	.10690	-.00580	.03720	.08890	.08090	.00370	-.00152
1.083	-.560	-.11630	.25370	.07950	-.00470	.03710	.08820	.08090	.00290	-.00138
1.083	.430	-.05520	.25230	.05190	-.00430	.03660	.08630	.08190	.00276	-.00152
1.083	1.430	.01030	.24930	.02450	-.00400	.03660	.08560	.08300	.00276	-.00145
1.083	2.420	.07270	.24720	-.00110	-.00410	.03640	.08500	.08280	.00341	-.00145
1.083	3.410	.13700	.24540	-.02770	-.00330	.03650	.08420	.08420	.00298	-.00123
1.083	4.450	.20250	.24220	-.05240	-.00240	.03700	.08340	.08640	.00167	-.00109
1.083	5.490	.26910	.23900	-.07560	-.00260	.03710	.08210	.08920	.00065	-.00145
1.083	6.520	.32440	.23300	-.09590	-.00250	.03820	.08110	.09260	-.00065	-.00131
	GRADIENT	.06522	-.00070	-.02695	.00056	-.00026	-.00102	.00027	-.00028	.00001

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA05) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BOFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 7/ 0 RN/L = 11.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
.981	-6.860	-.51530	.18130	.21500	-.03900	.03730	.09630	.06640	.00494	-.00152
.981	-5.790	-.44480	.19060	.18810	-.03850	.03690	.09350	.06740	.00486	-.00174
.981	-4.620	-.36020	.18620	.15350	-.00950	.03500	.09170	.06060	.00588	-.00174
.981	-3.620	-.29480	.18710	.12930	-.00820	.03480	.08980	.05940	.00559	-.00160
.981	-2.520	-.22610	.19260	.10440	-.00870	.03480	.08930	.06150	.00581	-.00160
.981	-1.520	-.16350	.19150	.08070	-.00750	.03480	.08890	.06030	.00508	-.00131
.981	-.500	-.09920	.18890	.05260	-.00640	.03430	.08640	.05700	.00450	-.00138
.981	.490	-.03960	.18750	.02830	-.00590	.03420	.08440	.06020	.00443	-.00167
.981	1.490	.01860	.18470	.00460	-.00630	.03440	.08400	.06340	.00457	-.00174
.981	2.490	.08300	.18240	-.02130	-.00440	.03380	.08400	.06260	.00348	-.00123
.981	3.590	.15240	.17750	-.05120	-.00190	.03350	.08230	.06360	.00167	-.00065
.981	4.680	.21800	.17760	-.07440	-.00190	.03390	.08250	.06660	.00087	-.00044
.981	5.780	.28350	.17420	-.09910	-.00290	.03320	.08210	.06630	.00051	-.00051
.981	6.860	.34760	.16770	-.12210	-.00350	.03250	.08020	.06960	.00000	.00000
	GRADIENT	.06195	-.00128	-.02479	.00082	-.00015	-.00105	.00060	-.00051	.00011

RUN NO. 6/ 0 RN/L = 11.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
1.099	-7.070	-.56270	.24670	.25520	-.01000	.03960	.09520	.08530	.00566	-.00145
1.099	-5.890	-.47390	.24690	.21970	-.00780	.03880	.09410	.08390	.00479	-.00116
1.099	-4.810	-.39820	.24790	.19070	-.00660	.03840	.09210	.08310	.00392	-.00123
1.099	-3.790	-.32840	.24910	.16350	-.00590	.03810	.09040	.08220	.00356	-.00123
1.099	-2.670	-.25080	.25080	.13230	-.00530	.03730	.08860	.08150	.00348	-.00152
1.099	-1.640	-.18120	.25280	.10460	-.00520	.03690	.08800	.08090	.00334	-.00167
1.099	-.620	-.11630	.25280	.07790	-.00470	.03660	.08740	.08040	.00276	-.00152
1.099	.390	-.05410	.25080	.05010	-.00400	.03630	.08540	.08140	.00269	-.00152
1.099	1.400	.00870	.24830	.02410	-.00360	.03600	.08450	.08200	.00261	-.00145
1.099	2.510	.08090	.24620	-.00560	-.00290	.03610	.08350	.08220	.00232	-.00116
1.099	3.520	.14500	.24470	-.03180	-.00130	.03590	.08270	.08400	.00131	-.00087
1.099	4.620	.21510	.24170	-.05890	-.00090	.03580	.08110	.08610	.00080	-.00073
1.099	5.730	.28410	.23750	-.08470	-.00140	.03630	.08000	.08910	.00007	-.00102
1.099	6.830	.34730	.23210	-.10730	-.00300	.03710	.07900	.09170	-.00007	-.00123
	GRADIENT	.06465	-.00073	-.02657	.00059	-.00028	-.00111	.00028	-.00030	.00006

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA05) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 8/ 0 RN/L = 11.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
1.269	-7.010	-.52650	.28370	.22570	-.01010	.03330	.08950	.07400	.00690	-.00094
1.269	-5.750	-.42990	.28470	.18640	-.00970	.03320	.07830	.07310	.00668	-.00109
1.269	-4.660	-.35070	.28620	.15500	-.01020	.03300	.07670	.07260	.00740	-.00109
1.269	-3.630	-.27840	.28810	.12660	-.01060	.03250	.07510	.07240	.00777	-.00109
1.269	-2.600	-.20730	.29060	.09830	-.01100	.03200	.07390	.07180	.00813	-.00123
1.269	-1.570	-.14070	.29200	.07320	-.01110	.03200	.07290	.07130	.00835	-.00152
1.269	-.550	-.08010	.29320	.05100	-.01040	.03180	.07210	.07060	.00711	-.00160
1.269	.450	-.02240	.29200	.02890	-.00840	.03100	.07130	.07040	.00595	-.00145
1.269	1.560	.04040	.28930	.00630	-.00630	.03050	.07040	.07070	.00472	-.00102
1.269	2.670	.10440	.28630	-.01680	-.00520	.03000	.06920	.07070	.00428	-.00094
1.269	3.780	.17010	.28410	-.04070	-.00310	.02960	.06740	.07090	.00290	-.00073
1.269	4.880	.23730	.28240	-.06540	-.00450	.02940	.06550	.07290	.00312	-.00102
1.269	5.990	.30210	.27980	-.08960	-.00550	.02920	.06350	.07470	.00305	-.00123
1.269	7.070	.35580	.27670	-.11450	-.00630	.02910	.06150	.07640	.00327	-.00131
	GRADIENT	.06067	-.00055	-.02264	.00086	-.00039	-.00107	-.00008	-.00050	.00004

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141

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1A141 04 T4 S7 .0065 GRIT CN WING,BODY AND VERT

(AFKA06) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPCBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 9/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
1.062	-6.490	-.51910	.25160	.22920	-.30360	.04600	.10400	.08050	.14069	-.03935
1.062	-5.470	-.44440	.25420	.19900	-.29300	.04480	.10050	.07960	.13408	-.04022
1.062	-4.460	-.37290	.25540	.17140	-.28620	.04430	.09820	.07840	.12944	-.04152
1.062	-3.400	-.30040	.25740	.14410	-.28020	.04390	.09610	.07790	.12457	-.04327
1.062	-2.330	-.27600	.25950	.11570	-.27480	.04310	.09440	.07620	.12109	-.04486
1.062	-1.350	-.15970	.26080	.09010	-.27190	.04250	.09240	.07510	.11847	-.04631
1.062	-.370	-.09340	.26020	.06190	-.26800	.04170	.09180	.07510	.11819	-.04661
1.062	.590	-.03030	.25910	.03590	-.26740	.04110	.09130	.07550	.11840	-.04748
1.062	1.560	.02910	.25640	.01130	-.26750	.04110	.09010	.07630	.11753	-.04806
1.062	2.520	.09040	.25230	-.01460	-.26370	.04090	.09000	.07710	.11448	-.04820
1.062	3.490	.15390	.24960	-.03950	-.26110	.04090	.08910	.07770	.11230	-.04871
1.062	4.540	.22030	.24430	-.06670	-.26260	.04130	.08810	.07870	.11187	-.04958
1.062	5.600	.28470	.23910	-.09080	-.26520	.04200	.08840	.08070	.11252	-.05089
1.062	6.740	.35170	.23400	-.11690	-.26650	.04270	.08810	.08330	.11143	-.05147
	GRADIENT	.06576	-.00124	-.02661	.00254	-.00039	-.00104	.00005	-.00172	-.00082

1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA07) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 11/ 0 RN/L = 11.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
.990	-6.890	-.50780	.20690	.19300	-.30630	.04340	.09230	.05940	.13415	-.03906
.990	-5.720	-.42330	.19830	.16040	-.29620	.04260	.08920	.05620	.13227	-.04007
.990	-4.670	-.34720	.19460	.13020	-.29020	.04230	.08570	.05500	.12994	-.04109
.990	-3.570	-.27910	.19950	.10880	-.28120	.04210	.08610	.05690	.12370	-.04218
.990	-2.550	-.21450	.20250	.08600	-.27750	.04180	.08560	.05950	.12087	-.04356
.990	-1.540	-.14390	.20030	.05820	-.27360	.04070	.08460	.05620	.12007	-.04428
.990	-.530	-.07800	.19730	.03290	-.26760	.04030	.08440	.05640	.11695	-.04443
.990	.460	-.01830	.20050	.00980	-.26450	.03940	.08530	.05900	.11426	-.04501
.990	1.450	.03530	.19950	-.00980	-.26350	.03920	.08530	.06070	.11245	-.04508
.990	2.440	.09420	.19740	-.03340	-.26020	.03810	.08430	.05920	.11107	-.04523
.990	3.530	.15810	.19220	-.05590	-.26210	.03750	.08550	.05930	.11368	-.04510
.990	4.710	.22350	.18850	-.07680	-.26540	.03930	.08550	.06350	.11419	-.04762
.990	5.800	.28960	.18730	-.10110	-.27040	.03950	.08440	.06620	.11513	-.04980
.990	6.880	.35070	.17710	-.13390	-.26730	.03530	.08400	.06420	.11136	-.04944
.990	GRADIENT	.06112	-.00078	-.02269	.00280	-.00054	-.00011	.00056	-.00169	-.00058

RUN NO. 10/ 0 RN/L = 11.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
1.100	-7.000	-.54050	.25960	.22620	-.30400	.04210	.09660	.07320	.13336	-.03891
1.100	-5.930	-.45530	.26100	.19400	-.29410	.04210	.09490	.07330	.12798	-.04065
1.100	-4.660	-.37110	.26210	.16120	-.28710	.04200	.09330	.07290	.12312	-.04225
1.100	-3.540	-.29330	.26390	.13240	-.28110	.04150	.09200	.07270	.11905	-.04421
1.100	-2.510	-.22460	.26430	.10780	-.27530	.04120	.09000	.07180	.11571	-.04566
1.100	-1.480	-.15550	.26550	.08190	-.27290	.04070	.08970	.07110	.11405	-.04726
1.100	-.450	-.08570	.26450	.05390	-.27040	.04020	.08780	.07100	.11354	-.04813
1.100	.560	-.02130	.26240	.02650	-.27020	.03950	.08730	.07300	.11463	-.04871
1.100	1.570	.03740	.26030	.00290	-.26940	.03940	.08640	.07400	.11317	-.04871
1.100	2.690	.10670	.25610	-.02420	-.26500	.03920	.08580	.07530	.11042	-.04893
1.100	3.690	.17040	.25300	-.04940	-.26190	.03940	.08570	.07550	.10609	-.04915
1.100	4.790	.24030	.24740	-.07810	-.26220	.03980	.08490	.07840	.10722	-.05002
1.100	5.880	.30690	.24190	-.10340	-.26570	.04040	.08510	.08190	.10875	-.05132
1.100	GRADIENT	.06435	-.00155	-.02534	.00245	-.00028	-.00033	.00061	-.00145	-.00073

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA07) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

PUN NO. 12/ 0 RN/L = 11.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABC	CABS	CYN	CBL
1.269	-6.980	-.53280	.28710	.21610	-.28410	.03610	.08280	.06700	.11804	-.03833
1.269	-5.860	-.44750	.28810	.18250	-.23260	.03600	.08150	.06670	.11804	-.04000
1.269	-4.770	-.36660	.29020	.15140	-.27750	.03560	.08030	.06580	.11615	-.04094
1.269	-3.540	-.27970	.29250	.11880	-.27400	.03530	.07920	.06490	.11419	-.04239
1.269	-2.410	-.20210	.29500	.09050	-.26990	.03500	.07790	.06370	.11187	-.04349
1.269	-1.380	-.13450	.29510	.06620	-.26680	.03460	.07770	.06230	.11143	-.04443
1.269	-.350	-.06770	.29560	.04140	-.26840	.03430	.07710	.06190	.11158	-.04515
1.269	.660	-.00450	.29590	.01560	-.26930	.03400	.07600	.06270	.11274	-.04530
1.269	1.680	.05600	.29480	-.00690	-.26960	.03390	.07520	.06410	.11259	-.04595
1.269	2.790	.12270	.29270	-.03190	-.26590	.03300	.07390	.06460	.11230	-.04653
1.269	3.890	.18790	.29010	-.05660	-.26700	.03280	.07240	.06530	.11194	-.04740
1.269	5.000	.25350	.28530	-.08110	-.26830	.03260	.07000	.06600	.11172	-.04871
1.269	6.100	.31710	.28190	-.10520	-.27130	.03290	.07000	.06640	.11252	-.05038
1.269	GRADIENT	.05311	-.00941	-.02372	.00084	-.00032	-.00096	.00008	-.00028	-.00071

1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA08) (15 JUL 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPCBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 13/ 0 RN/L = 6.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CARE	CABS	CYN	CBL
1.061	-6.540	-.51040	.29850	.22180	.33020	.03130	.07280	.07810	-.13321	.03753
1.061	-5.490	-.45290	.23560	.20700	.29700	.04350	.10260	.10110	-.13212	.04210
1.061	-4.490	-.38240	.23800	.17970	.29110	.04230	.10110	.09960	-.12906	.04341
1.061	-3.430	-.31080	.23900	.15300	.28570	.04210	.10070	.09800	-.12428	.04530
1.061	-2.370	-.23740	.24200	.12460	.28390	.04160	.09960	.09650	-.12218	.04675
1.061	-1.400	-.17180	.24350	.09880	.28230	.04120	.09790	.09520	-.12130	.04784
1.061	-.350	-.09500	.24070	.06790	.27860	.04090	.09680	.09300	-.11934	.04740
1.061	.630	-.03900	.24530	.04490	.27870	.04060	.09560	.09130	-.11978	.04936
1.061	1.680	.02740	.24370	.01650	.27670	.04040	.09380	.09450	-.11753	.04936
1.061	2.730	.09480	.24090	-.01100	.27640	.04040	.09310	.09450	-.11673	.05009
1.061	3.790	.16220	.23780	-.03800	.27410	.04050	.09340	.09460	-.11513	.05060
1.061	4.840	.22670	.23330	-.06570	.27010	.04090	.09220	.09470	-.11136	.05002
1.061	5.900	.29560	.22850	-.09050	.26720	.04150	.09200	.09550	-.10904	.04944
1.061	6.970	.35340	.22280	-.11400	.26250	.04210	.09310	.09790	-.10483	.04886
	GRADIENT	.06538	-.00037	-.02640	-.00195	-.00022	-.00105	-.00049	.00148	.00070

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

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IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA09) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 15/ 0 RN/L = 10.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
.996	-6.810	-.50900	.18510	.19740	.30670	.04050	.09500	.08080	-.13205	.03935
.996	-5.680	-.42760	.18150	.16920	.29760	.03920	.09240	.07940	-.12885	.04014
.996	-4.630	-.35780	.18310	.14390	.29230	.03890	.09040	.07980	-.12508	.04109
.996	-3.520	-.28480	.18360	.11730	.28750	.03830	.08970	.07960	-.12152	.04239
.996	-2.420	-.21120	.18520	.08960	.28110	.03790	.08830	.08030	-.11760	.04341
.996	-1.410	-.14750	.18360	.06490	.27910	.03830	.08840	.08100	-.11702	.04428
.996	-.390	-.08350	.18560	.04060	.27850	.03750	.08740	.08260	-.11724	.04544
.996	.610	-.02150	.18320	.01770	.27570	.03730	.08720	.09280	-.11615	.04588
.996	1.610	.03700	.18290	-.00490	.27600	.03730	.08650	.09120	-.11528	.04639
.996	2.600	.09640	.18040	-.02950	.27390	.03650	.08480	.09090	-.11252	.04661
.996	3.610	.15730	.17480	-.05090	.27150	.03530	.08460	.08170	-.11085	.04697
.996	4.800	.23030	.17000	-.07940	.26940	.03570	.08340	.08090	-.10954	.04711
.996	5.890	.29650	.16420	-.10470	.26850	.03540	.08390	.08020	-.10882	.04711
.996	6.970	.35170	.15730	-.13140	.26710	.03430	.08150	.07980	-.10737	.04704
.996	GRADIENT	.06204	-.00122	-.02360	-.00216	-.00031	-.00072	.00017	.00145	.00064

RUN NO. 14/ 0 RN/L = 11.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
1.089	-6.940	-.54160	.23420	.23120	.30930	.04270	.09930	.09940	-.13386	.04036
1.089	-5.800	-.45930	.23450	.20110	.30270	.04260	.09930	.09940	-.13067	.04181
1.089	-4.720	-.38440	.23620	.17320	.29630	.04190	.09890	.09840	-.12624	.04356
1.089	-3.600	-.30860	.23890	.14460	.29020	.04140	.09830	.09680	-.12138	.04537
1.089	-2.480	-.23190	.24110	.11570	.28530	.04090	.09690	.09550	-.11934	.04697
1.089	-1.450	-.16420	.24190	.09000	.28600	.04050	.09530	.09540	-.11927	.04835
1.089	-.420	-.09890	.24380	.06470	.28430	.04010	.09460	.09520	-.11898	.04907
1.089	.600	-.03310	.24220	.03840	.28230	.04010	.09350	.09470	-.11804	.04958
1.089	1.600	.02970	.24040	.01170	.28130	.03990	.09310	.09470	-.11702	.04987
1.089	2.720	.09960	.23910	-.01620	.28000	.03980	.09180	.09430	-.11535	.05038
1.089	3.930	.17650	.23490	-.04610	.27930	.04010	.09120	.09380	-.11477	.05118
1.089	5.030	.24650	.23000	-.07530	.27470	.04050	.09010	.09440	-.11078	.05074
1.089	6.130	.31330	.22450	-.10000	.27290	.04080	.09080	.09590	-.10962	.05024
1.089	GRADIENT	.06466	-.00009	-.02539	-.00176	-.00023	-.00093	-.00044	.00110	.00022

ORIGINAL PAGE IS
OF POOR QUALITY

1A141 04 T4 S7 .0065 GFIT ON WING,BODY AND VERT

(AFKA09) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LPEF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BCFLAP = .000
 SPDGRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 16/ 0 RN/L = 11.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
1.256	-6.980	-.53110	.27680	.21620	.29920	.03410	.08450	.08230	-.12711	.04254
1.256	-5.720	-.43500	.28020	.17810	.29290	.03350	.08290	.08100	-.12174	.04377
1.256	-4.610	-.35380	.28220	.14790	.28950	.03290	.08300	.07990	-.11826	.04501
1.256	-3.560	-.28260	.28390	.12190	.28720	.03260	.08250	.07950	-.11637	.04619
1.256	-2.530	-.21170	.28590	.09500	.28350	.03240	.08120	.07870	-.11535	.04697
1.256	-1.510	-.14770	.28780	.07220	.28390	.03230	.08050	.07840	-.11579	.04777
1.256	-.390	-.07780	.28860	.04510	.28370	.03230	.07900	.07820	-.11702	.04798
1.256	.620	-.01490	.28950	.02170	.28380	.03240	.07820	.07760	-.11782	.04835
1.256	1.640	.04670	.28950	.00000	.28680	.03250	.07750	.07780	-.11965	.04929
1.256	2.750	.11400	.28780	-.02550	.28540	.03270	.07650	.07780	-.11884	.04994
1.256	3.850	.17900	.28470	-.05000	.28360	.03260	.07420	.07760	-.11753	.05053
1.256	4.950	.24390	.28120	-.07500	.28050	.03290	.07280	.07790	-.11455	.05067
1.256	6.040	.30760	.27740	-.10190	.27530	.03310	.07160	.07800	-.11172	.05024
	GRADIENT	.06227	.00006	-.02318	-.00050	.00001	-.00105	-.00022	-.00003	.00058

1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA10) (15 JUL 76)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BCFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 19/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
.955	-6.380	-.41590	.17730	.13030	.28830	.03600	.09160	.07500	-.12704	.03601
.955	-5.220	-.33910	.18010	.10340	.28460	.03680	.08950	.07550	-.12399	.03775
.955	-4.210	-.27300	.18170	.07960	.28060	.03620	.08850	.07650	-.12000	.03818
.955	-3.150	-.20220	.18280	.05420	.27430	.03580	.08730	.07640	-.11579	.03913
.955	-2.190	-.14180	.18470	.03190	.27130	.03550	.08740	.07710	-.11310	.04036
.955	-1.220	-.07660	.18400	.00490	.26890	.03480	.08630	.07870	-.11245	.04116
.955	-.250	-.01460	.18460	-.01900	.26730	.03470	.08540	.08010	-.11187	.04196
.955	.710	.04500	.18390	-.04190	.26650	.03450	.08510	.08050	-.11114	.04293
.955	1.660	.10430	.18430	-.06550	.26510	.03380	.08350	.07920	-.10953	.04305
.955	2.710	.17280	.18130	-.09460	.25830	.03320	.08200	.07920	-.10301	.04305
.955	3.760	.24090	.17900	-.12180	.25570	.03270	.08110	.07930	-.10011	.04392
.955	4.820	.31040	.17540	-.15080	.25230	.03240	.07990	.07780	-.09584	.04377
.955	5.860	.37950	.17050	-.17980	.24800	.03160	.07840	.07770	-.09239	.04370
.955	6.890	.44750	.16500	-.20750	.24720	.03100	.07720	.07770	-.09031	.04377
	GRADIENT	.06430	-.00062	-.02549	-.00283	-.00043	-.00101	.00025	.00234	.00663

RUN NO. 18/ 0 RN/L = 7.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
1.050	-6.470	-.46460	.23490	.18050	.30480	.04550	.10610	.10860	-.13510	.04160
1.050	-5.450	-.38940	.23830	.15020	.29720	.04450	.10260	.10670	-.13103	.04269
1.050	-4.450	-.31800	.23960	.12210	.29090	.04390	.10100	.10480	-.12668	.04399
1.050	-3.380	-.24460	.24240	.09450	.28720	.04340	.09980	.10280	-.12326	.04573
1.050	-2.310	-.16940	.24540	.06530	.28400	.04280	.09780	.10080	-.12130	.04726
1.050	-1.330	-.10460	.24740	.04080	.28300	.04250	.09670	.10040	-.12087	.04842
1.060	-.360	-.03940	.24870	.01440	.28130	.04220	.09500	.09960	-.12036	.04900
1.060	.610	.02370	.24950	-.01120	.28070	.04220	.09390	.09850	-.12043	.04965
1.060	1.650	.08930	.24850	-.03830	.27920	.04170	.09180	.09810	-.11833	.04951
1.060	2.720	.15570	.24600	-.06480	.27720	.04170	.09070	.09740	-.11637	.04973
1.060	3.690	.21750	.24300	-.08910	.27520	.04180	.08930	.09710	-.11448	.05092
1.060	4.840	.28240	.23910	-.12080	.27230	.04190	.08900	.09700	-.11121	.05038
1.060	5.890	.35790	.23500	-.14520	.26750	.04220	.08890	.09900	-.10758	.05031
1.060	6.830	.41280	.22950	-.16800	.26190	.04250	.08960	.10040	-.10287	.04994
	GRADIENT	.05539	.00003	-.02607	-.00177	-.00022	-.00154	-.00080	.00139	.00062

1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA10) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 17/ 0 RN/L = 7.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
1.262	-6.490	-.45140	.28280	.16280	.28550	.03580	.08340	.08440	-.12036	.04138
1.262	-5.450	-.36940	.28460	.13040	.28330	.03510	.08200	.08340	-.11797	.04298
1.262	-4.420	-.29580	.28720	.10420	.27830	.03490	.08110	.08240	-.11405	.04377
1.262	-3.440	-.23010	.28840	.08010	.27650	.03490	.08040	.08240	-.11332	.04472
1.262	-2.460	-.16300	.29000	.05640	.27540	.03450	.07940	.08220	-.11310	.04581
1.262	-1.480	-.09900	.29150	.03140	.27450	.03410	.07790	.08190	-.11383	.04661
1.262	-.500	-.03760	.29350	.00780	.27560	.03360	.07640	.08170	-.11571	.04690
1.262	.470	.02300	.29400	-.01420	.27560	.03340	.07550	.08100	-.11680	.04719
1.262	1.450	.08090	.29420	-.03460	.27960	.03340	.07460	.08030	-.11913	.04827
1.262	2.610	.15230	.29350	-.05150	.27940	.03370	.07340	.07960	-.11876	.04900
1.262	3.670	.21460	.29340	-.08510	.27810	.03340	.07170	.07900	-.11767	.04936
1.262	4.730	.27790	.28670	-.11040	.27400	.03380	.06990	.07890	-.11412	.04944
1.262	5.780	.33920	.28320	-.13580	.26870	.03390	.06860	.07870	-.11107	.04886
1.262	6.820	.39760	.27940	-.15780	.26390	.03450	.06850	.08000	-.10802	.04864
1.262	GRADIENT	.06253	.00019	-.02330	.00004	-.00016	-.00121	-.00044	-.00045	.00062

IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA11) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 20/ 0 RN/L = 11.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABC	CABE	CABS	CYN	CEL
.998	-6.810	-.45660	.19390	.14760	.30270	.03920	.09650	.09850	-.12573	.03884
.998	-5.640	-.37140	.19300	.11640	.29550	.03950	.09080	.08620	-.12305	.03993
.998	-4.590	-.29870	.19120	.09040	.28840	.03920	.08970	.08640	-.11869	.04065
.998	-3.480	-.22550	.19270	.06370	.28260	.03850	.08810	.08560	-.11455	.04167
.998	-2.370	-.15160	.19560	.03680	.27670	.03820	.08730	.08560	-.11078	.04283
.998	-1.360	-.08500	.19560	.01130	.27380	.03750	.08660	.08620	-.10969	.04341
.998	-.340	-.02140	.19400	-.01220	.27150	.03690	.08690	.08770	-.10904	.04392
.998	.670	.04300	.19640	-.03660	.27090	.03650	.08690	.09000	-.10846	.04508
.998	1.760	.10750	.19450	-.06230	.26930	.03650	.08570	.08660	-.10539	.04508
.998	2.860	.17580	.19230	-.08960	.26590	.03520	.08410	.08700	-.10316	.04566
.998	3.960	.24510	.18520	-.11490	.26270	.03570	.08370	.09020	-.10127	.04639
.998	5.050	.31520	.18200	-.14420	.25850	.03540	.08350	.08680	-.09735	.04610
.99P	6.140	.38470	.17660	-.17270	.25550	.03500	.08330	.08840	-.09539	.04610
	GRADIENT	.05342	-.00043	-.02401	-.00273	-.00040	-.00055	.00037	.00181	.00065

RUN NO. 21/ 0 RN/L = 11.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CEL
1.094	-6.950	-.48910	.24400	.18080	.30460	.04250	.09840	.10280	-.12900	.04000
1.094	-5.860	-.41000	.24420	.15110	.29770	.04190	.09840	.10280	-.12515	.04152
1.094	-4.810	-.33370	.24680	.12170	.29040	.04160	.09680	.10160	-.12014	.04327
1.094	-3.690	-.25490	.24920	.09140	.28590	.04100	.09550	.09920	-.11644	.04494
1.094	-2.570	-.17900	.25250	.06310	.28300	.04070	.09420	.09750	-.11455	.04682
1.094	-1.540	-.11140	.25370	.03770	.28080	.04020	.09300	.09640	-.11361	.04769
1.094	-.520	-.04670	.25570	.01380	.28110	.04030	.09180	.09530	-.11419	.04864
1.094	.490	.01780	.25600	-.01140	.28040	.04040	.09100	.09550	-.11448	.04907
1.094	1.590	.08750	.25470	-.04010	.27870	.04000	.08970	.09530	-.11325	.04886
1.094	2.700	.15700	.25130	-.06770	.27510	.03990	.08810	.09490	-.11020	.04896
1.094	3.910	.23530	.24870	-.09870	.27410	.04030	.08660	.09500	-.10925	.04973
1.094	5.010	.30620	.24530	-.12840	.27090	.04040	.08490	.09540	-.10657	.04987
1.094	6.110	.37480	.23960	-.15480	.26640	.04050	.08330	.09700	-.10424	.05002
1.094	7.140	.43950	.23370	-.18310	.26090	.04140	.08000	.09800	-.10105	.04965
	GRADIENT	.05481	.00031	-.02507	-.00166	-.00015	-.00115	-.00069	.00100	.00067

1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA11) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BOFLAP = .000
 SPDBPK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 22/ 0 RN/L = 11.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABC	CABE	CABS	CYN	CBL
1.267	-7.000	-.49790	.27820	.17590	.29290	.03610	.08550	.08590	-.12087	.04109
1.267	-5.900	-.40330	.28050	.14270	.28990	.03540	.08420	.08490	-.11862	.04218
1.267	-4.810	-.32290	.28270	.11230	.28670	.03510	.08330	.08360	-.11529	.04363
1.267	-3.690	-.24360	.28490	.08340	.28230	.03490	.08200	.08290	-.11281	.04457
1.267	-2.450	-.16100	.28700	.05320	.27980	.03450	.08050	.08280	-.11245	.04552
1.267	-1.430	-.08590	.28890	.02690	.27960	.03410	.07880	.08230	-.11346	.04624
1.267	-.310	-.02640	.29070	.00290	.28030	.03390	.07760	.08200	-.11492	.04668
1.267	.710	.03610	.29150	-.01950	.28090	.03370	.07660	.08120	-.11615	.04719
1.267	1.810	.10200	.29190	-.04260	.28350	.03380	.07540	.08030	-.11611	.04806
1.267	2.920	.16950	.29090	-.06690	.28210	.03370	.07410	.07960	-.11702	.04871
1.267	4.030	.23330	.29730	-.09150	.28160	.03370	.07190	.07930	-.11608	.04944
1.267	5.120	.30090	.28320	-.11810	.27850	.03390	.07070	.07930	-.11368	.04965
1.267	6.210	.36070	.27980	-.14270	.27160	.03440	.06950	.08010	-.10991	.04915
	GRADIENT	.05260	.00074	-.02290	-.00019	-.00017	-.00124	-.00052	-.00045	.00063

1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA12) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BOFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 25/ 0 RN/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CSL
.957	-6.420	-.41100	.19400	.12690	-.28300	.03970	.08990	.05860	.12718	-.03739
.957	-5.280	-.33300	.19590	.09730	-.27720	.03920	.08710	.05800	.12297	-.03826
.957	-4.290	-.26930	.19770	.07510	-.27200	.03950	.08590	.05820	.11949	-.03956
.957	-3.250	-.20110	.19910	.05110	-.26710	.03920	.08470	.05770	.11644	-.04036
.957	-2.280	-.13740	.20080	.02770	-.26260	.03870	.08390	.05620	.11375	-.04131
.957	-1.320	-.07350	.20180	.00250	-.25800	.03790	.08390	.05590	.11158	-.04181
.957	-.360	-.01270	.20310	-.02220	-.25590	.03690	.08370	.05590	.11027	-.04225
.957	.600	.04890	.20340	-.04700	-.25230	.03610	.08450	.05620	.10817	-.04261
.957	1.640	.11140	.20240	-.07370	-.24620	.03570	.08240	.05630	.10243	-.04167
.957	2.690	.17600	.19920	-.10090	-.24210	.03490	.08220	.05630	.09687	-.04174
.957	3.730	.24180	.19550	-.12660	-.24030	.03420	.08120	.05720	.09735	-.04276
.957	4.780	.30910	.19120	-.15360	-.24310	.03290	.08020	.05840	.09691	-.04421
.957	5.820	.37550	.18430	-.17970	-.24610	.03190	.08000	.05920	.09728	-.04566
	GRADIENT	.05349	-.00056	-.02542	.00356	-.00073	-.00049	.00001	-.00257	-.00037

RUN NO. 24/ 0 RN/L = 6.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CSL
1.058	-6.520	-.46220	.25360	.17730	-.29840	.04730	.10610	.08400	.13575	-.03985
1.058	-5.430	-.38130	.25600	.14360	-.28790	.04610	.10090	.08250	.12994	-.04087
1.058	-4.430	-.31020	.25810	.11620	-.29170	.04570	.09910	.08150	.12581	-.04239
1.058	-3.370	-.23960	.26030	.09000	-.27750	.04490	.09670	.08070	.12210	-.04435
1.058	-2.310	-.16320	.26250	.06180	-.26900	.04380	.09460	.07890	.11717	-.04537
1.058	-1.250	-.09270	.26370	.03330	-.26570	.04320	.09290	.07710	.11571	-.04631
1.058	-.280	-.02830	.26310	.00800	-.26540	.04290	.09190	.07670	.11644	-.04740
1.058	.680	.03277	.26190	-.01850	-.26510	.04200	.09060	.07750	.11717	-.04777
1.058	1.730	.09580	.25970	-.04500	-.26360	.04210	.08940	.07750	.11521	-.04755
1.058	2.780	.16360	.25490	-.07230	-.26130	.04170	.08870	.07840	.11325	-.04827
1.058	3.840	.23030	.25030	-.09860	-.26070	.04200	.08810	.07960	.11129	-.04886
1.058	4.980	.30180	.24560	-.12710	-.25130	.04230	.08740	.08060	.11071	-.05009
1.058	5.930	.36270	.23990	-.14990	-.26400	.04290	.08740	.08300	.11107	-.05176
	GRADIENT	.06482	-.00138	-.02605	.00203	-.00038	-.00116	-.00009	-.00137	-.00070

IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA12) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 | ELV-OL = 9.000
 ELV-OR = 9.000 | ELV-IL = 10.000
 ELV-IR = 10.000 | BOFLAP = .000
 SPDBRK = .000 | RUDDER = .000
 RN/L = 7.000

RUN NO. 23/ 0 RN/L = 7.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CAGS	CYN	CBL
1.262	-6.570	-.45930	.29360	.16690	-.25820	.03730	.08050	.06880	.11150	-.03588
1.262	-5.510	-.37790	.29480	.13440	-.25760	.03710	.08010	.06810	.11209	-.03826
1.262	-4.480	-.30340	.29690	.10550	-.26350	.03670	.07910	.06760	.11013	-.03906
1.262	-3.420	-.22940	.29780	.07830	-.25910	.03640	.07680	.06650	.10729	-.04043
1.262	-2.250	-.14950	.29940	.04930	-.25830	.03590	.07570	.06560	.10686	-.04174
1.262	-1.270	-.08440	.30040	.02550	-.25720	.03540	.07510	.06470	.10657	-.04261
1.262	-.290	-.02040	.30120	.00260	-.25680	.03500	.07440	.06390	.10751	-.04319
1.262	.670	.04060	.30360	-.02450	-.25940	.03460	.07490	.06440	.11063	-.04370
1.262	1.730	.10490	.30080	-.04850	-.25900	.03450	.07290	.06510	.11034	-.04443
1.262	2.790	.16700	.29810	-.07160	-.25880	.03390	.07190	.06560	.11034	-.04494
1.262	3.850	.23180	.29520	-.09640	-.25840	.03370	.07090	.06650	.10976	-.04595
1.262	4.910	.29290	.29130	-.11890	-.26020	.03350	.06950	.06720	.11005	-.04697
1.262	5.950	.35510	.28860	-.14360	-.26070	.03380	.06910	.06760	.10959	-.04842
	GRADIENT	.05336	-.00044	-.02400	.00015	-.00036	-.00090	-.00001	.00028	-.00077

IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA13) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 26/ 0 RN/L = 11.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
.989	-6.770	-.44600	.21070	.14270	-.29570	.04250	.09370	.06540	.12566	-.03884
.989	-5.630	-.36380	.20860	.11170	-.28410	.04180	.09010	.06310	.12101	-.03949
.989	-4.580	-.29330	.20760	.08630	-.27660	.04120	.08830	.06290	.11731	-.04029
.989	-3.490	-.22190	.20980	.06060	-.27320	.04090	.08600	.06310	.11499	-.04189
.989	-2.270	-.14080	.20970	.03110	-.26750	.04080	.08540	.06210	.11238	-.04312
.989	-1.260	-.07240	.21130	.00520	-.26340	.04030	.08480	.06110	.11063	-.04377
.989	-.250	-.00850	.20970	-.01950	-.25990	.03980	.08460	.06160	.10853	-.04414
.989	.730	.05170	.20930	-.04480	-.25660	.03890	.08460	.06210	.10584	-.04406
.989	1.810	.11340	.20670	-.07030	-.25210	.03840	.08410	.06220	.10185	-.04348
.989	2.910	.18340	.20330	-.09770	-.24860	.03810	.08370	.06360	.09960	-.04421
.989	4.000	.25170	.20090	-.12400	-.24750	.03580	.08400	.06390	.09851	-.04508
.989	5.070	.31960	.19330	-.15350	-.25000	.03580	.08330	.06360	.09860	-.04624
.989	6.160	.38940	.18840	-.18240	-.25250	.03440	.08250	.06310	.09931	-.04777
	GRADIENT	.05328	-.00085	-.02464	.00360	-.00050	-.00043	.00010	-.00231	-.00043

RUN NO. 27/ 0 RN/L = 11.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
1.094	-6.920	-.48230	.26860	.17500	-.30240	.04220	.09750	.07590	.13110	-.03993
1.094	-5.750	-.39420	.26910	.14030	-.29270	.04280	.09490	.07540	.12573	-.04160
1.094	-4.640	-.31290	.27000	.10800	-.28620	.04280	.09250	.07470	.12138	-.04327
1.094	-3.580	-.23940	.27270	.08050	-.28210	.04270	.09110	.07460	.11833	-.04537
1.094	-2.540	-.16810	.27380	.05540	-.27540	.04200	.08980	.07330	.11492	-.04661
1.094	-1.500	-.09720	.27500	.02880	-.27180	.04150	.08790	.07210	.11310	-.04791
1.094	-.470	-.02730	.27420	.00100	-.27090	.04070	.08690	.07190	.11346	-.04907
1.094	.550	.03670	.27190	-.02580	-.27100	.04040	.08650	.07360	.11470	-.04915
1.094	1.580	.09930	.27070	-.05100	-.26950	.03980	.08450	.07420	.11303	-.04900
1.094	2.600	.16250	.26590	-.07650	-.26460	.03990	.08440	.07560	.10969	-.04878
1.094	3.620	.22630	.26170	-.10100	-.26090	.03970	.08370	.07670	.10708	-.04886
1.094	4.720	.29630	.25600	-.12980	-.26030	.04010	.08270	.07850	.10519	-.04958
1.094	5.830	.36450	.25020	-.15620	-.26320	.04070	.08270	.08050	.10679	-.05132
1.094	6.800	.42490	.24580	-.18250	-.26260	.04070	.08310	.08210	.10504	-.05190
	GRADIENT	.06475	-.00151	-.02542	.00259	-.00036	-.00104	.00040	-.00146	-.00056

1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA13) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPCBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 28/ 0 RN/L = 11.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CAB0	CABE	CABS	CYN	CBI
1.270	-7.010	-.48990	.29680	.17470	-.28610	.03750	.09180	.06850	.11884	-.03869
1.270	-5.910	-.40540	.29920	.14170	-.27990	.03720	.07890	.06780	.11535	-.03993
1.270	-4.820	-.32460	.30080	.11060	-.27710	.03670	.07770	.06710	.11463	-.04131
1.270	-3.580	-.23490	.30210	.07640	-.27280	.03610	.07630	.06620	.11252	-.04247
1.270	-2.540	-.16380	.30390	.05070	-.26930	.03560	.07530	.06520	.11042	-.04327
1.270	-1.500	-.09390	.30470	.02570	-.26760	.03500	.07450	.06430	.10969	-.04421
1.270	-.470	-.02550	.30530	.00060	-.26750	.03470	.07380	.06360	.11056	-.04530
1.270	.550	.03730	.30500	-.02520	-.27130	.03450	.07390	.06420	.11405	-.04081
1.270	1.560	.09890	.30400	-.04850	-.27060	.03440	.07260	.06400	.11397	-.04617
1.270	2.660	.16470	.30220	-.07290	-.26960	.03360	.07170	.06530	.11412	-.04690
1.270	3.770	.23090	.29870	-.09740	-.26850	.03330	.07070	.06600	.11325	-.04762
1.270	4.880	.29610	.29490	-.12160	-.27010	.03330	.06960	.06660	.11354	-.04900
1.270	5.980	.35960	.29240	-.14550	-.27400	.03320	.06840	.06670	.11521	-.05082
1.270	7.010	.41520	.28900	-.16750	-.27080	.03290	.06890	.06700	.11252	-.05103
	GRADIENT	.06363	-.00051	-.02385	.00045	-.00036	-.00079	-.00002	.00017	-.00074

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA14) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 4.500

RUN NO. 36/ 0 RN/L = 4.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CASC	CABE	CASS	CYN	CBL
.595	-6.100	-.33320	.11140	.10110	-.01000	.02250	.07140	.05950	.00711	-.00232
.595	-5.050	-.26810	.11440	.07500	-.00850	.02250	.06920	.05710	.02682	-.00261
.595	-4.090	-.21370	.11810	.05430	-.00640	.02230	.06720	.05610	.00581	-.00203
.595	-3.090	-.16190	.11920	.03530	-.00930	.02210	.06640	.05600	.00719	-.00240
.595	-2.090	-.10960	.12200	.01530	-.00610	.02210	.06520	.05640	.00544	-.00203
.595	-1.080	-.05100	.12000	-.00530	-.00550	.02160	.06500	.05610	.00494	-.00181
.595	-.160	.00070	.12150	-.02490	-.00420	.02110	.06400	.05570	.00450	-.00160
.595	.750	.04980	.11950	-.04280	-.00250	.02090	.06310	.05510	.00312	-.00131
.595	1.850	.10790	.11680	-.06560	-.00080	.02050	.06210	.05600	.00211	-.00109
.595	2.850	.16540	.11740	-.08940	-.00110	.01990	.06070	.05570	.00189	-.00131
.595	3.850	.22050	.11510	-.11050	-.00330	.01900	.05950	.05570	.00269	-.00167
.595	4.850	.27780	.11100	-.13260	-.00260	.01930	.05950	.05500	.00160	-.00189
.595	5.850	.33650	.10760	-.15440	-.00270	.01890	.05940	.05430	.00080	-.00189
	GRADIENT	.05504	-.00078	-.02096	.00071	-.00039	-.00092	.00001	-.00059	.00008

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 OF POOR QUALITY

IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA15) (15 JUL 76)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 SCFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 31/ 0 RN/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
.950	-6.420	-.43660	.18870	.15740	-.01120	.03340	.09290	.06680	.00769	-.00263
.950	-5.330	-.36020	.19040	.12870	-.01170	.03310	.09090	.06610	.00820	-.00261
.960	-4.330	-.29500	.19090	.10410	-.01110	.03350	.08990	.06570	.00799	-.00247
.960	-3.270	-.22350	.19230	.07690	-.01150	.03330	.08780	.06500	.00828	-.00269
.960	-2.310	-.16100	.19350	.05240	-.01060	.03350	.08690	.06400	.00791	-.00225
.960	-1.350	-.10090	.19320	.02960	-.00990	.03350	.08680	.06410	.00740	-.00240
.960	-.400	-.04420	.19420	.00690	-.00930	.03370	.08560	.06520	.00690	-.00225
.960	.560	.01360	.19100	-.01690	-.00760	.03340	.08440	.06520	.00610	-.00218
.960	1.610	.08000	.18800	-.04460	-.00710	.03350	.08320	.06760	.00573	-.00211
.960	2.750	.15560	.18620	-.07770	-.00640	.03330	.08240	.06670	.00544	-.00167
.960	3.800	.22600	.18360	-.10850	-.00430	.03290	.08100	.06760	.00363	-.00123
.960	4.840	.29830	.18100	-.13930	-.00550	.03220	.07920	.06800	.00363	-.00131
.960	5.880	.36630	.17500	-.16560	-.00580	.03170	.07760	.06860	.00252	-.00145
.960	6.860	.42790	.17050	-.19070	-.00540	.03090	.07700	.06980	.00174	-.00145
	GRADIENT	.06386	-.00124	-.02626	.00079	-.00009	-.00107	.00039	-.00054	.00015

RUN NO. 30/ 0 RN/L = 7.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
1.068	-6.430	-.47330	.25000	.19800	-.01440	.04220	.10040	.09660	.01024	-.00232
1.068	-5.420	-.39680	.23430	.16600	-.01360	.04050	.09580	.09160	.01024	-.00225
1.068	-4.420	-.32440	.25570	.13700	-.01100	.03970	.09320	.08980	.00878	-.00203
1.068	-3.430	-.25500	.25710	.10940	-.00990	.03910	.09100	.08840	.00813	-.00218
1.068	-2.400	-.18120	.25790	.07890	-.00960	.03850	.08950	.08770	.00799	-.00232
1.068	-1.370	-.10850	.25890	.04850	-.00970	.03830	.08800	.08670	.00806	-.00254
1.068	-.250	-.03780	.25350	.01730	-.00810	.03810	.08660	.08600	.00675	-.00203
1.068	.740	.02500	.25760	-.00840	-.00700	.03770	.08530	.08790	.00603	-.00211
1.068	1.760	.08790	.25530	-.03400	-.00460	.03760	.08360	.08750	.00472	-.00189
1.068	2.750	.15090	.25230	-.05930	-.00610	.03770	.08300	.08830	.00544	-.00181
1.068	3.740	.21070	.24960	-.08150	-.00370	.03810	.08200	.08970	.00341	-.00160
1.068	4.730	.27390	.24730	-.10460	-.00280	.03830	.08070	.09180	.00195	-.00152
1.068	5.720	.33300	.24280	-.12540	-.00240	.03910	.08010	.09440	.00073	-.00160
1.068	6.700	.39950	.23840	-.14530	-.00200	.03970	.08080	.09690	-.00061	-.00145
1.068	7.680	.44760	.23420	-.16920	-.00300	.04040	.08140	.09890	-.00094	-.00152
	GRADIENT	.06500	-.00099	-.02654	.00090	-.00016	-.00132	.00020	-.00070	.00008

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

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IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA15) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 29/ 0 RN/L = 7.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
1.268	-6.480	-.44770	.29010	.17120	-.01360	.03470	.07940	.07750	.01002	-.00145
1.268	-5.430	-.36590	.29220	.13850	-.01270	.03400	.07710	.07670	.00980	-.00131
1.268	-4.290	-.28400	.29460	.10650	-.01300	.03360	.07510	.07620	.01009	-.00123
1.268	-3.310	-.21710	.29700	.08100	-.01350	.03340	.07350	.07560	.01074	-.00145
1.268	-2.330	-.15010	.29920	.05540	-.01270	.03330	.07210	.07480	.01045	-.00181
1.268	-1.340	-.08420	.30160	.02990	-.01260	.03300	.07140	.07410	.01016	-.00181
1.268	-.360	-.02520	.30210	.00850	-.01170	.03290	.07030	.07380	.00929	-.00189
1.268	.610	.02980	.30110	-.01250	-.01050	.03220	.06940	.07390	.00813	-.00167
1.268	1.590	.08430	.29880	-.03210	-.00860	.03190	.06850	.07400	.00675	-.00152
1.268	2.550	.14120	.29620	-.05360	-.00730	.03170	.06760	.07360	.00566	-.00116
1.268	3.530	.20170	.29300	-.07630	-.00530	.03140	.06660	.07340	.00414	-.00094
1.268	4.590	.26780	.29000	-.10050	-.00420	.03120	.06390	.07440	.00283	-.00094
1.268	5.660	.33100	.29110	-.12390	-.00610	.03100	.06200	.07620	.00341	-.00145
1.268	6.700	.39180	.28900	-.14740	-.00680	.03100	.06020	.07760	.00341	-.00160
	GRADIENT	.06122	-.00033	-.02295	.00109	-.00029	-.00117	-.00023	-.00091	.00006

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA16) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 SDFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 9.000

RUN NO. 34/ 0 RN/L = 9.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
1.078	-6.620	-.47900	.25050	.19670	-.01190	.04610	.09760	.09190	.00907	-.00203
1.078	-5.480	-.39310	.25210	.16220	-.01040	.03950	.09490	.08950	.00828	-.00181
1.078	-4.470	-.32090	.25330	.13370	-.00870	.03890	.09280	.08830	.00740	-.00167
1.078	-3.440	-.24860	.25390	.10500	-.00850	.03630	.09080	.08730	.00733	-.00203
1.078	-2.390	-.17800	.25530	.07580	-.00750	.03790	.08880	.08660	.00675	-.00203
1.078	-1.320	-.10600	.25650	.04760	-.00680	.03780	.08760	.08610	.00568	-.00203
1.078	-.160	-.03220	.25540	.01470	-.00620	.03770	.08640	.08520	.00553	-.00181
1.078	.910	.03240	.25360	-.01090	-.00460	.03740	.08490	.08770	.00472	-.00199
1.078	1.930	.09330	.25030	-.03760	-.00410	.03730	.08370	.08740	.00443	-.00174
1.078	3.060	.16710	.24850	-.06500	-.00410	.03720	.08220	.08750	.00436	-.00174
1.078	4.130	.23150	.24520	-.09860	-.00200	.03760	.08390	.08980	.00247	-.00131
1.078	5.210	.29590	.24110	-.11360	-.00190	.03810	.07990	.09200	.00131	-.00145
1.078	6.270	.36190	.23700	-.13600	-.00160	.03860	.07950	.09460	.00000	-.00131
1.078	GRADIENT	.05396	-.00095	-.02600	.00075	-.00016	-.00133	.00015	-.00053	.00005

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

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IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA17) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 11.000

RUN NO. 37/ 0 RN/L = 10.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
.597	-6.370	-.34420	.10230	.10090	-.00550	.02290	.07310	.05900	.00312	-.00218
.597	-5.350	-.28400	.10500	.07790	-.00520	.02240	.07160	.05800	.00312	-.00211
.597	-4.350	-.22930	.11150	.05730	-.00660	.02210	.06960	.05740	.00428	-.00247
.597	-3.300	-.17020	.11200	.03500	-.00510	.02200	.05970	.05690	.00319	-.00211
.597	-2.340	-.12220	.11370	.01720	-.00620	.02240	.06740	.05760	.00392	-.00254
.597	-1.380	-.06860	.11310	-.00190	-.00390	.02220	.06590	.05660	.00269	-.00211
.597	-.410	-.01630	.11360	-.02070	-.00510	.02200	.06590	.05670	.00348	-.00240
.597	.550	.03760	.11310	-.04060	-.00360	.02130	.06500	.05640	.00254	-.00225
.597	1.510	.08780	.11170	-.05990	-.00250	.02070	.06400	.05670	.00189	-.00240
.597	2.560	.14670	.11040	-.08360	-.00250	.02000	.06350	.05720	.00167	-.00232
.597	3.510	.19980	.10910	-.10390	-.00240	.01940	.06200	.05710	.00152	-.00240
.597	4.560	.26120	.10520	-.12770	-.00270	.01920	.06180	.05770	.00116	-.00261
.597	5.610	.31630	.09850	-.14780	-.00270	.01970	.06230	.05880	.00087	-.00276
	GRADIENT	.05477	-.00061	-.02061	.00049	-.00038	-.00091	.00001	-.00034	-.00002

ORIGINAL PAGE IS
OF POOR QUALITY

1A141 04 14 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA18) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDGRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 32/ 0 RN/L = 11.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
.997	-6.810	-.46970	.20530	.17100	-.01010	.03560	.09560	.07950	.00573	-.00240
.997	-5.680	-.38480	.20400	.13700	-.01060	.03470	.09140	.07590	.00682	-.00269
.997	-4.620	-.30950	.20340	.10930	-.00920	.03440	.08930	.07470	.00510	-.00247
.997	-3.610	-.24210	.20480	.08240	-.00660	.03420	.08790	.07280	.00501	-.00203
.997	-2.500	-.17120	.20560	.05600	-.00790	.03370	.08790	.07270	.00566	-.00232
.997	-1.490	-.10520	.20650	.03040	-.00660	.03370	.08760	.07120	.00457	-.00211
.997	-.490	-.04270	.20740	.00560	-.00530	.03390	.08650	.07130	.00385	-.00219
.997	.500	.01660	.20330	-.01860	-.00490	.03390	.08420	.07400	.00392	-.00232
.997	1.600	.08350	.19990	-.04600	-.00510	.03420	.08310	.07480	.00414	-.00203
.997	2.690	.15340	.19860	-.07330	-.00460	.03400	.08210	.07460	.00399	-.00189
.997	3.790	.22210	.19420	-.10150	-.00240	.03420	.08190	.07640	.00254	-.00131
.997	4.880	.28340	.19130	-.12740	-.00250	.03440	.08250	.07720	.00181	-.00131
.997	5.970	.35820	.18720	-.15390	-.00190	.03400	.08320	.07880	.00007	-.00131
.997	6.980	.42030	.18050	-.17900	-.00280	.03340	.07920	.07910	-.00015	-.00138
	GRADIENT	.06275	-.00140	-.02483	.00065	.00002	-.00095	.00041	-.00038	.00010

RUN NO. 33/ 0 RN/L = 11.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
1.095	-6.890	-.49570	.25220	.20130	-.00940	.03910	.09560	.08980	.00646	-.00174
1.095	-5.680	-.40570	.25320	.16510	-.00790	.03980	.09390	.08820	.00603	-.00152
1.095	-4.600	-.32970	.25280	.13590	-.00610	.03930	.09170	.08700	.00494	-.00145
1.095	-3.480	-.25250	.25490	.10580	-.00530	.03790	.08910	.08620	.00443	-.00160
1.095	-2.450	-.18170	.25580	.07770	-.00540	.03750	.08760	.08600	.00465	-.00203
1.095	-1.420	-.11200	.25720	.04980	-.00510	.03720	.08620	.08530	.00421	-.00203
1.095	-.400	-.04710	.25780	.02180	-.00410	.03700	.08520	.08480	.00334	-.00189
1.095	.600	.01280	.25540	-.00340	-.00330	.03630	.08370	.08330	.00312	-.00181
1.095	1.610	.07640	.25230	-.02910	-.00280	.03680	.08290	.08640	.00261	-.00167
1.095	2.710	.14520	.24960	-.05670	-.00240	.03650	.08130	.08700	.00261	-.00160
1.095	3.820	.21470	.24790	-.08430	.00000	.03650	.07930	.08780	.00102	-.00116
1.095	4.930	.28640	.24450	-.11150	-.00080	.03680	.07850	.08970	.00116	-.00116
1.095	6.020	.35170	.23910	-.13490	-.00240	.03730	.07760	.09260	.00080	-.00160
	GRADIENT	.05410	-.00100	-.02599	.00062	-.00017	-.00131	.00025	-.00042	.00005

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKA18) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 35/ 0 RN/L = 11.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNF	CAF	CLMF	CY	CABO	CABE	CABS	CYN	CBL
1.273	-6.930	-.47120	.28770	.18020	-.01110	.03450	.08060	.07810	.00886	-.00145
1.273	-5.820	-.38540	.29060	.14610	-.01160	.03410	.07830	.07730	.00900	-.00138
1.273	-4.630	-.30050	.29200	.11240	-.01150	.03390	.07630	.07690	.00922	-.00123
1.273	-3.500	-.22320	.29420	.08280	-.01230	.03370	.07460	.07640	.00957	-.00145
1.273	-2.470	-.15190	.29670	.05450	-.01190	.03350	.07320	.07520	.00973	-.00160
1.273	-1.440	-.08520	.29860	.02930	-.01180	.03340	.07190	.07450	.00973	-.00181
1.273	-.420	-.02410	.29930	.00670	-.01020	.03310	.07100	.07390	.00806	-.00181
1.273	.580	.03300	.29910	-.01440	-.00930	.03220	.06990	.07400	.00726	-.00174
1.273	1.590	.09020	.29640	-.03520	-.00700	.03160	.06930	.07400	.00573	-.00145
1.273	2.700	.15540	.29360	-.05920	-.00540	.03120	.06790	.07350	.00486	-.00116
1.273	3.810	.22150	.29070	-.08280	-.00400	.03110	.06610	.07380	.00363	-.00102
1.273	4.930	.28970	.28910	-.10760	-.00460	.03100	.06410	.07580	.00334	-.00123
1.273	5.940	.34790	.28700	-.12840	-.00610	.03100	.06220	.07710	.00370	-.00167
	GRADIENT	.05090	-.00043	-.02265	.00097	-.00036	-.00118	-.00022	-.00077	.00004

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 03 T5 S8 NO GRIT

(AFKB01) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 1/ 0 RN/L = 7.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPBS	CPBE	CPBC
1.269	-6.560	.02240	.00930	.01430	.02290	.02870	-.34310	-.41970	-.35650	-.36160
1.269	-5.530	.02220	.00880	.01420	.02250	.02860	-.34040	-.41790	-.34700	-.35850
1.269	-4.440	.02190	.00940	.01400	.02280	.02850	-.33910	-.41440	-.33790	-.35390
1.269	-3.460	.02170	.00950	.01390	.02280	.02840	-.33530	-.41270	-.33220	-.34980
1.269	-2.470	.02120	.00910	.01370	.02260	.02810	-.33140	-.40710	-.32710	-.34230
1.269	-1.480	.02090	.00910	.01360	.02250	.02790	-.32910	-.40500	-.32230	-.33760
1.269	-.500	.02070	.00920	.01340	.02230	.02760	-.32410	-.40080	-.31850	-.33430
1.269	.460	.02050	.00930	.01310	.02230	.02760	-.31660	-.40070	-.31430	-.33090
1.269	1.420	.02030	.00630	.01300	.02250	.02770	-.31140	-.40280	-.31200	-.32810
1.269	2.440	.02020	.00490	.01280	.02260	.02780	-.30740	-.40430	-.30970	-.32610
1.269	3.460	.02000	.00320	.01270	.02240	.02770	-.30410	-.40180	-.30220	-.32360
1.269	4.470	.02000	.00340	.01260	.02270	.02790	-.30140	-.40880	-.29380	-.32250
1.269	5.480	.01990	.00570	.01260	.02330	.02850	-.30000	-.41920	-.28540	-.32190
1.269	6.470	.01990	.00770	.01250	.02390	.02910	-.29730	-.42860	-.27750	-.31940
	GRADIENT	-.00022	-.00079	-.00017	-.00002	-.00008	.00448	.00090	.00448	.00355

1A141 02 15 S8 .0065 GRIT ON WING

(AFKB02) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 2/ 0 RN/L = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLM90	CPBO	CPBS	CPBE	CPBC
1.267	-6.540	.02210	.00840	.01410	.02310	.02880	-.33790	-.42050	-.35400	-.35700
1.267	-5.430	.02200	.00920	.01400	.02290	.02850	-.33590	-.41430	-.34340	-.35570
1.267	-4.440	.02170	.00860	.01380	.02280	.02840	-.33230	-.41150	-.33480	-.35080
1.267	-3.420	.02140	.00920	.01370	.02270	.02830	-.32940	-.40820	-.32850	-.34610
1.267	-2.420	.02100	.00910	.01350	.02260	.02800	-.32490	-.40400	-.32360	-.33840
1.267	-1.410	.02060	.00760	.01330	.02250	.02780	-.32110	-.40080	-.31860	-.33230
1.267	-.440	.02050	.00750	.01320	.02230	.02760	-.31850	-.39840	-.31600	-.33050
1.267	.530	.02020	.00750	.01290	.02230	.02760	-.31070	-.39770	-.31120	-.32650
1.267	1.500	.02010	.00510	.01270	.02250	.02770	-.30550	-.40050	-.31010	-.32400
1.267	2.520	.01980	.00440	.01260	.02250	.02770	-.30150	-.40040	-.30590	-.31980
1.267	3.490	.01960	.00170	.01250	.02250	.02760	-.29840	-.39950	-.29830	-.31730
1.267	4.510	.01950	.00310	.01240	.02270	.02790	-.29580	-.40640	-.29030	-.31550
1.267	5.520	.01950	.00460	.01230	.02320	.02840	-.29110	-.41580	-.28070	-.31520
1.267	6.520	.01950	.00790	.01220	.02380	.02900	-.29080	-.42480	-.27260	-.31490
	GRADIENT	-.00025	-.00081	-.00017	-.00002	-.00007	.00433	.00078	.00448	.00392

ORIGINAL PAGE IS
 OF POOR QUALITY

1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKB03) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPCBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 4/ 0 RN/L = 7.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPBS	CPBE	CPBC
.972	-6.450	.02370	.01050	.01540	.01840	.02420	-.37340	-.34740	-.41960	-.39190
.972	-5.430	.02300	.00950	.01500	.01830	.02400	-.36460	-.34400	-.40080	-.37100
.972	-4.420	.02210	.00990	.01440	.01760	.02310	-.34980	-.33120	-.39570	-.35730
.972	-3.450	.02160	.00950	.01410	.01770	.02310	-.34550	-.33220	-.39030	-.34830
.972	-2.460	.02140	.00750	.01400	.01730	.02260	-.34180	-.32360	-.38730	-.34470
.972	-1.480	.02110	.00680	.01390	.01690	.02220	-.33790	-.31730	-.38210	-.34060
.972	-.500	.02110	.00610	.01390	.01660	.02180	-.34220	-.31130	-.37780	-.34080
.972	.460	.02100	.00660	.01380	.01700	.02290	-.33720	-.30360	-.36930	-.33900
.972	1.430	.02080	.00530	.01370	.01610	.02330	-.33500	-.29520	-.36150	-.33650
.972	2.390	.02090	.00470	.01390	.01820	.02340	-.34060	-.28820	-.36120	-.33790
.972	3.350	.02080	.00340	.01370	.01860	.02390	-.33610	-.28470	-.35950	-.33500
.972	4.350	.02080	.00340	.01370	.01920	.02440	-.33490	-.28580	-.35830	-.33560
.972	5.370	.02060	.00430	.01350	.01910	.02430	-.33100	-.28560	-.35330	-.33220
.972	6.370	.02060	.00590	.01340	.02020	.02550	-.32630	-.28770	-.35040	-.33240
	GRADIENT	-.00013	-.00074	-.00006	.00019	.00016	.00138	-.00309	.00491	.00210

RUN NO. 3/ 0 RN/L = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPBS	CPBE	CPBC
1.069	-6.520	.02720	.01200	.01740	.02620	.03520	-.41840	-.52010	-.44600	-.43880
1.069	-5.410	.02630	.01010	.01670	.02680	.03350	-.40060	-.49320	-.42500	-.42420
1.069	-4.380	.02580	.00840	.01640	.02630	.03290	-.39510	-.48300	-.41570	-.41550
1.069	-3.380	.02520	.00710	.01610	.02580	.03230	-.38940	-.47370	-.40730	-.40630
1.069	-2.370	.02440	.00630	.01570	.02540	.03170	-.38360	-.46590	-.40020	-.39440
1.069	-1.370	.02400	.00560	.01550	.02510	.03130	-.37610	-.46120	-.39590	-.38770
1.069	-.370	.02370	.00550	.01530	.02490	.03100	-.37190	-.45990	-.39330	-.38230
1.069	.610	.02330	.00520	.01520	.02540	.03140	-.36920	-.46620	-.39410	-.37590
1.069	1.590	.02310	.00450	.01510	.02570	.03170	-.36950	-.46920	-.38010	-.37090
1.069	2.570	.02310	.00350	.01510	.02610	.03210	-.36350	-.47470	-.37790	-.37320
1.069	3.550	.02340	.00230	.01530	.02650	.03270	-.37490	-.48550	-.37550	-.37750
1.069	4.530	.02380	.00270	.01550	.02750	.03370	-.37690	-.50250	-.37090	-.38370
1.069	5.500	.02440	.00310	.01580	.02830	.03460	-.38340	-.51790	-.36910	-.39320
1.069	6.510	.02510	.00530	.01620	.02900	.03560	-.39110	-.53100	-.36690	-.40530
	GRADIENT	-.00025	-.00062	-.00011	.00013	.00008	.00204	-.00202	.00487	.00397

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKB04) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 9.000

RUN NO. 5/ 0 RN/L = 9.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPBS	CPBE	CPBC
1.083	-6.720	.02610	.01210	.01660	.02660	.03330	-.39930	-.49320	-.43280	-.42110
1.083	-5.650	.02570	.01110	.01640	.02620	.03280	-.39190	-.48410	-.42150	-.41470
1.083	-4.610	.02540	.00990	.01620	.02580	.03230	-.38970	-.47680	-.41350	-.40930
1.083	-3.600	.02500	.00770	.01600	.02560	.03200	-.38530	-.47070	-.40500	-.40270
1.083	-2.580	.02440	.00720	.01560	.02530	.03160	-.37690	-.46650	-.39970	-.39300
1.083	-1.560	.02390	.00670	.01540	.02500	.03110	-.37130	-.46000	-.39560	-.38540
1.083	-.560	.02360	.00560	.01530	.02490	.03100	-.37020	-.46010	-.39220	-.38160
1.083	.430	.02320	.00490	.01510	.02530	.03130	-.36540	-.46610	-.38390	-.37510
1.083	1.430	.02280	.00440	.01490	.02580	.03170	-.36480	-.47260	-.38090	-.36820
1.083	2.420	.02270	.00350	.01490	.02580	.03170	-.36360	-.47100	-.37790	-.36660
1.083	3.410	.02280	.00320	.01490	.02620	.03210	-.36360	-.47900	-.37450	-.36760
1.083	4.450	.02320	.00240	.01520	.02680	.03280	-.36940	-.49180	-.37080	-.37470
1.083	5.490	.02360	.00460	.01530	.02760	.03390	-.36990	-.50750	-.36510	-.38120
1.083	6.520	.02480	.00670	.01580	.02970	.03520	-.38100	-.52690	-.36100	-.39980
	GRADIENT	-.00029	-.00080	-.00013	.00011	.00005	.00256	-.00156	.00456	.00451

1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKB05) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 EDFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 7/ 0 RN/L = 11.20 GRADIENT INTERVAL = -5.00/ 5.07

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMEO	CPBO	CPBS	CPBE	CPBC
.981	-6.860	.02280	.01370	.01510	.01990	.02570	-.37240	-.37800	-.42860	-.36800
.981	-5.790	.02340	.01240	.01520	.02030	.02620	-.36790	-.38330	-.41600	-.37750
.981	-4.620	.02220	.01310	.01440	.01820	.02380	-.34950	-.34470	-.40780	-.35890
.981	-3.620	.02150	.01030	.01420	.01790	.02330	-.34680	-.33790	-.39960	-.34730
.981	-2.520	.02150	.01100	.01420	.01860	.02400	-.34730	-.35010	-.39720	-.34740
.981	-1.520	.02160	.00940	.01420	.01810	.02350	-.34680	-.34330	-.39550	-.34800
.981	-.500	.02120	.00780	.01390	.01720	.02250	-.34180	-.32460	-.38440	-.34210
.981	.490	.02090	.00640	.01390	.01820	.02350	-.34090	-.34280	-.37530	-.33900
.981	1.490	.02110	.00720	.01400	.01930	.02460	-.34290	-.36100	-.37370	-.34060
.981	2.490	.02090	.00440	.01380	.01900	.02430	-.33690	-.35610	-.37360	-.33780
.981	3.590	.02070	.00170	.01360	.01920	.02450	-.33420	-.36180	-.36620	-.33410
.981	4.680	.02080	.00310	.01380	.02020	.02550	-.33870	-.37930	-.36700	-.33580
.981	5.780	.02100	.00660	.01360	.02090	.02630	-.33090	-.39230	-.36530	-.33830
.981	6.860	.02070	.00890	.01340	.02120	.02650	-.32380	-.39600	-.35670	-.33480
GRADIENT		-.00014	-.00113	-.00007	.00020	.00017	.00147	-.00344	.00468	.00221

RUN NO. 6/ 0 RN/L = 11.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMEO	CPBO	CPBS	CPBE	CPBC
1.099	-7.070	.02560	.01610	.01620	.02620	.03130	-.38850	-.48520	-.42360	-.41350
1.099	-5.890	.02530	.01150	.01610	.02580	.03130	-.38720	-.47760	-.41840	-.40860
1.099	-4.810	.02510	.01030	.01600	.02560	.03200	-.38310	-.47250	-.40960	-.40440
1.099	-3.790	.02470	.00900	.01580	.02540	.03170	-.37980	-.46790	-.40210	-.39910
1.099	-2.670	.02420	.00750	.01550	.02520	.03140	-.37250	-.46360	-.39390	-.39470
1.099	-1.640	.02380	.00740	.01530	.02500	.03110	-.36830	-.46310	-.39140	-.38430
1.099	-.620	.02360	.00740	.01510	.02470	.03080	-.36510	-.45730	-.38960	-.38030
1.099	.390	.02320	.00560	.01500	.02510	.03110	-.36180	-.46320	-.37990	-.37460
1.099	1.400	.02300	.00460	.01480	.02550	.03140	-.35860	-.46650	-.37590	-.37090
1.099	2.510	.02270	.00310	.01480	.02560	.03150	-.35970	-.46740	-.37140	-.36620
1.099	3.520	.02250	.00090	.01470	.02610	.03200	-.35710	-.46790	-.36770	-.36290
1.099	4.620	.02250	.00080	.01470	.02670	.03250	-.35720	-.49000	-.36090	-.35280
1.099	5.730	.02290	.00360	.01490	.02750	.03350	-.36230	-.50680	-.35590	-.34980
1.099	6.830	.02370	.00870	.01530	.02840	.03460	-.37050	-.52170	-.35130	-.34260
GRADIENT		-.00029	-.00101	-.00014	.00011	.00005	.00084	-.00158	.00492	.00463

1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKB05) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 8/ 0 RN/L = 11.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPBS	CPBE	CPBC
1.269	-7.010	.02180	.01440	.01390	.02300	.02660	-.33250	-.42110	-.35830	-.35110
1.269	-5.750	.02160	.01350	.01380	.02290	.02650	-.33100	-.41590	-.34820	-.34910
1.269	-4.660	.02140	.01350	.01370	.02280	.02630	-.32890	-.41290	-.34120	-.34540
1.269	-3.630	.02100	.01380	.01350	.02280	.02820	-.32440	-.41170	-.33420	-.33950
1.269	-2.600	.02060	.01420	.01320	.02270	.02800	-.31950	-.40860	-.32880	-.33280
1.269	-1.570	.02040	.01380	.01320	.02260	.02790	-.31890	-.40600	-.32440	-.32900
1.269	-.550	.02020	.01450	.01310	.02240	.02760	-.31760	-.40180	-.32090	-.32670
1.269	.450	.02010	.01150	.01280	.02240	.02760	-.30990	-.40030	-.31730	-.32490
1.269	1.560	.02000	.00790	.01270	.02250	.02770	-.30400	-.40240	-.31320	-.32270
1.269	2.670	.01970	.00580	.01250	.02250	.02770	-.29950	-.40230	-.30780	-.31810
1.269	3.780	.01950	.00260	.01240	.02260	.02770	-.29550	-.40360	-.29990	-.31540
1.269	4.880	.01950	.00620	.01230	.02310	.02820	-.29360	-.41460	-.29150	-.31490
1.269	5.990	.01950	.00940	.01220	.02370	.02880	-.29130	-.42480	-.28240	-.31430
1.269	7.070	.01950	.01120	.01220	.02420	.02940	-.29010	-.43460	-.27370	-.31510
	GRADIENT	-.00019	-.00119	-.00015	.00000	-.00004	.00386	.00046	.00476	.00307

ORIGINAL PAGE IS
 OF POOR QUALITY

IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKB06) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 9/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPB5	CPBE	CPBC
1.062	-6.490	.02880	6.33870	.01880	.02510	.03230	-.45930	-.45920	-.45260	-.46470
1.062	-5.470	.02830	6.32960	.01840	.02480	.03200	-.44690	-.45270	-.44680	-.45600
1.062	-4.460	.02810	6.32430	.01820	.02460	.03160	-.44210	-.44610	-.43560	-.45320
1.062	-3.400	.02790	6.32060	.01810	.02460	.03160	-.43820	-.44310	-.42750	-.44940
1.062	-2.330	.02740	6.31660	.01770	.02420	.03110	-.42940	-.43340	-.41990	-.44260
1.062	-1.350	.02730	6.31290	.01760	.02380	.03070	-.42390	-.42740	-.41120	-.43990
1.062	-.370	.02710	6.30860	.01730	.02360	.03070	-.41580	-.42750	-.40830	-.43720
1.062	.590	.02700	6.30710	.01710	.02350	.03070	-.40950	-.42970	-.40630	-.43550
1.062	1.560	.02710	6.30810	.01710	.02400	.03090	-.40980	-.43420	-.40070	-.43680
1.062	2.520	.02710	6.30550	.01710	.02420	.03110	-.40910	-.43870	-.40020	-.43730
1.062	3.490	.02710	6.30380	.01710	.02440	.03130	-.40780	-.44240	-.39640	-.43750
1.062	4.540	.02740	6.30600	.01730	.02470	.03170	-.41210	-.44790	-.39200	-.44220
1.062	5.600	.02780	6.30910	.01750	.02540	.03250	-.41850	-.45930	-.39330	-.44810
1.062	6.740	.02840	6.31210	.01790	.02630	.03350	-.42560	-.47380	-.39200	-.45930
	GRADIENT	-.00009	-.00217	-.00012	.00000	-.00000	.00392	-.00034	.00462	.00136

DATE 15 JUL 76

TABULATED SOURCE DATA - IAI41.

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IAI41 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFK807) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 11/ 0 RN/L = 11.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPBS	CPBE	CPBC
.990	-6.890	.02610	6.53380	.01750	.01820	.02460	-.43270	-.33780	-.41050	-.42180
.990	-5.720	.02760	6.50060	.01770	.01740	.02420	-.42500	-.31970	-.39580	-.44570
.990	-4.670	.02740	6.48890	.01750	.01720	.02390	-.42190	-.31280	-.38560	-.44140
.990	-3.570	.02680	6.48270	.01730	.01870	.02530	-.41990	-.33520	-.38300	-.43320
.990	-2.560	.02700	6.47730	.01730	.01900	.02570	-.41650	-.33880	-.38080	-.43640
.990	-1.540	.02700	6.46530	.01700	.01790	.02460	-.40550	-.31970	-.37620	-.43500
.990	-.530	.02650	6.45660	.01680	.01790	.02440	-.40200	-.32120	-.37550	-.42740
.990	.460	.02610	6.45470	.01650	.01850	.02500	-.39300	-.33550	-.37830	-.42170
.990	1.450	.02610	6.45570	.01640	.01910	.02550	-.39130	-.34550	-.37950	-.42100
.990	2.440	.02570	6.44790	.01610	.01870	.02510	-.39000	-.33710	-.37520	-.41540
.990	3.530	.02540	6.44550	.01580	.01890	.02520	-.37390	-.33760	-.38020	-.40980
.990	4.710	.02530	6.45480	.01600	.02020	.02650	-.38190	-.36140	-.38050	-.40870
.990	5.800	.02570	6.46380	.01620	.02100	.02750	-.38530	-.37650	-.37540	-.41430
.990	6.880	.02420	6.45940	.01510	.02040	.02650	-.35800	-.36560	-.37360	-.39050
	GRADIENT	-.00023	-.00438	-.00019	.00019	.00014	.00539	-.00321	.00047	.00361

RUN NO. 10/ 0 RN/L = 11.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPBS	CPBE	CPBC
1.100	-7.000	.02630	6.57640	.01720	.02290	.02950	-.42040	-.41670	-.42960	-.42510
1.100	-5.830	.02640	6.55590	.01720	.02300	.02960	-.42000	-.41700	-.42220	-.42600
1.100	-4.660	.02640	6.54860	.01720	.02290	.02950	-.41890	-.41470	-.41520	-.42650
1.100	-3.540	.02630	6.53820	.01710	.02290	.02950	-.41410	-.41370	-.40920	-.42380
1.100	-2.510	.02630	6.52980	.01700	.02280	.02950	-.41050	-.40860	-.40020	-.42430
1.100	-1.480	.02620	6.52480	.01680	.02260	.02920	-.40560	-.40480	-.39450	-.42300
1.100	-.450	.02620	6.51910	.01670	.02250	.02910	-.40080	-.40410	-.38960	-.42270
1.100	.560	.02610	6.51570	.01650	.02300	.02960	-.39500	-.41520	-.38500	-.42130
1.100	1.570	.02600	6.51630	.01650	.02330	.02990	-.39320	-.42100	-.38740	-.42030
1.100	2.680	.02610	6.50880	.01640	.02360	.03030	-.39140	-.42830	-.38600	-.42160
1.100	3.680	.02630	6.50400	.01650	.02400	.03060	-.39300	-.43520	-.38120	-.42390
1.100	4.790	.02660	6.50550	.01670	.02460	.03130	-.39720	-.44630	-.37750	-.42850
1.100	5.880	.02690	6.51040	.01690	.02550	.03230	-.40280	-.46100	-.37850	-.43420
	GRADIENT	.00000	-.00452	-.00007	.00017	.00018	.00280	-.00346	.00372	.00002

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

PAGE 35

IA141 04 T4 S7 .0965 GRIT ON WING,BODY AND VERT

(AFKB07) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0900 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BOFLAP = .000
 SPDGRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 12/ 0 RN/L = 11.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMRO	CPBO	CPBS	CPBE	CPBC
1.269	-6.980	.02290	6.57310	.01490	.02100	.02680	-.36060	-.32100	-.36830	-.37040
1.269	-5.860	.02280	6.56700	.01480	.02100	.02670	-.35900	-.37980	-.36250	-.36780
1.269	-4.770	.02240	6.55690	.01460	.02070	.02640	-.35520	-.37440	-.35720	-.36220
1.269	-3.540	.02210	6.55050	.01440	.02050	.02610	-.35170	-.36940	-.35250	-.35700
1.269	-2.410	.02190	6.54270	.01430	.02030	.02580	-.34900	-.36230	-.34680	-.35420
1.269	-1.380	.02190	6.54030	.01420	.01990	.02540	-.34520	-.35440	-.34580	-.35390
1.269	-.350	.02190	6.53860	.01410	.01960	.02540	-.34250	-.35240	-.34300	-.35350
1.269	.660	.02180	6.53610	.01400	.01920	.02550	-.33950	-.35670	-.33830	-.35210
1.269	1.680	.02170	6.53260	.01400	.02030	.02530	-.33590	-.35670	-.33470	-.35110
1.269	2.790	.02160	6.53140	.01370	.02050	.02600	-.32950	-.36750	-.32850	-.34910
1.269	3.990	.02150	6.53220	.01370	.02070	.02620	-.32730	-.37140	-.32210	-.34780
1.269	5.000	.02160	6.53640	.01360	.02090	.02640	-.32530	-.37550	-.31530	-.34890
1.269	6.100	.02170	6.54260	.01370	.02100	.02660	-.32830	-.37790	-.31130	-.35000
	GRADIENT	-.00008	-.00219	-.00010	.00003	.00002	.00321	-.00046	.00409	.00125

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

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IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKB08) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 13/ 0 RN/L = 6.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPBS	CPBE	CPBC
1.061	-6.540	.01840	-6.34550	.01240	.02440	.02930	-.30890	-.44460	-.32380	-.29740
1.061	-5.490	.02730	-6.34180	.01790	.03120	.03830	-.43530	-.57510	-.45650	-.44110
1.061	-4.490	.02700	-6.33740	.01760	.03080	.03780	-.42710	-.56670	-.44950	-.43590
1.061	-3.430	.02670	-6.33520	.01730	.03040	.03740	-.42000	-.55750	-.44780	-.43150
1.061	-2.370	.02640	-6.33330	.01710	.03010	.03690	-.41500	-.54890	-.43840	-.42600
1.061	-1.400	.02610	-6.33170	.01690	.02990	.03670	-.41060	-.54010	-.43520	-.42060
1.061	-.350	.02590	-6.32800	.01680	.02980	.03660	-.40700	-.53690	-.43040	-.41870
1.061	.630	.02570	-6.32720	.01670	.02960	.03630	-.40480	-.53200	-.42530	-.41500
1.061	1.680	.02570	-6.32690	.01660	.02950	.03600	-.40280	-.52780	-.41730	-.41480
1.061	2.730	.02600	-6.32720	.01670	.02950	.03620	-.40330	-.52750	-.41430	-.41960
1.061	3.790	.02610	-6.32490	.01680	.02960	.03630	-.40440	-.52810	-.41090	-.42110
1.061	4.840	.02640	-6.32210	.01690	.02970	.03650	-.40810	-.52890	-.41000	-.42580
1.061	5.980	.02690	-6.31980	.01720	.03000	.03700	-.41380	-.52350	-.40920	-.43440
1.061	6.970	.02730	-6.31660	.01750	.03070	.03780	-.42020	-.51720	-.41460	-.44020
	GRADIENT	-.00008	.00150	-.00007	-.00012	-.00015	.00214	.00279	.00466	.00126

ORIGINAL PAGE IS
 OF POOR QUALITY

IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKB09) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-UL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 15/ 0 RN/L = 10.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CN90	CNBF	CLMBO	CP80	CP85	CP8E	CP8C
.996	-6.810	.02820	-6.54360	.01730	.02410	.03120	-.40410	-.45980	-.42280	-.45560
.996	-5.680	.02820	-6.51960	.01690	.02370	.03090	-.39060	-.45160	-.41110	-.45450
.996	-4.630	.02800	-6.51360	.01680	.02400	.03110	-.38780	-.45410	-.40200	-.45150
.996	-3.520	.02780	-6.50750	.01660	.02430	.03130	-.39210	-.45270	-.39900	-.44990
.996	-2.420	.02760	-6.49860	.01650	.02470	.03170	-.37810	-.45660	-.39280	-.44820
.996	-1.410	.02770	-6.49440	.01660	.02500	.03200	-.39180	-.46100	-.39330	-.44690
.996	-.390	.02740	-6.49130	.01630	.02550	.03250	-.37560	-.46090	-.39380	-.44200
.996	.610	.02730	-6.48730	.01630	.02560	.03260	-.37240	-.47140	-.39810	-.44000
.996	1.610	.02720	-6.48750	.01620	.02560	.03190	-.37180	-.46190	-.39500	-.43930
.996	2.600	.02690	-6.48590	.01600	.02500	.03190	-.36380	-.46030	-.37740	-.43450
.996	3.610	.02690	-6.48290	.01590	.02550	.03240	-.36170	-.46510	-.37650	-.43410
.996	4.800	.02690	-6.47830	.01570	.02530	.03220	-.35640	-.46030	-.37110	-.43350
.996	5.890	.02660	-6.47560	.01560	.02520	.03210	-.35320	-.45620	-.37300	-.42980
.996	6.970	.02580	-6.47430	.01510	.02520	.03180	-.34210	-.45400	-.36250	-.41690
	GRADIENT	-.00013	.00342	-.00011	.00013	.00011	-.00311	-.00098	.00317	.00204

RUN NO. 14/ 0 RN/L = 11.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CN90	CNBF	CLMBO	CP80	CP85	CP8E	CP8C
1.089	-6.940	.02700	-6.59070	.01750	.03020	.03720	-.42560	-.55980	-.44190	-.43570
1.089	-5.900	.02740	-6.57460	.01760	.03060	.03770	-.42520	-.56550	-.44190	-.44140
1.089	-4.720	.02740	-6.56650	.01740	.03040	.03750	-.41730	-.55990	-.43990	-.44150
1.089	-3.600	.02720	-6.55880	.01730	.03010	.03710	-.41330	-.55090	-.43720	-.43970
1.089	-2.480	.02710	-6.55240	.01710	.02980	.03680	-.40800	-.54350	-.43110	-.43750
1.089	-1.450	.02710	-6.54980	.01700	.02970	.03680	-.40360	-.54280	-.42850	-.43200
1.089	-.420	.02700	-6.54620	.01690	.02960	.03660	-.39990	-.54140	-.42070	-.43620
1.089	.600	.02700	-6.54210	.01690	.02940	.03640	-.39960	-.53910	-.42280	-.43640
1.089	1.600	.02710	-6.54050	.01690	.02940	.03640	-.39820	-.53920	-.41400	-.43790
1.089	2.720	.02720	-6.53930	.01690	.02940	.03640	-.39700	-.53670	-.40820	-.43930
1.069	3.930	.02740	-6.53670	.01700	.02930	.03640	-.39950	-.53350	-.40590	-.44250
1.089	5.030	.02770	-6.53110	.01710	.02950	.03680	-.40350	-.53710	-.40070	-.44630
1.089	6.130	.02790	-6.52810	.01730	.03010	.03730	-.40660	-.54550	-.40390	-.45010
	GRADIENT	-.00001	.00322	-.00005	-.00012	-.00012	.00226	.00254	.00412	-.00003

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKB09) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDGRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 16/ 0 RN/L = 11.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPBS	CPBE	CPBC
1.256	-6.980	.02230	-6.59640	.01420	.02580	.03160	-.34020	-.46830	-.37580	-.35950
1.256	-5.720	.02190	-6.59050	.01390	.02540	.03110	-.33410	-.46100	-.36900	-.35370
1.256	-4.610	.02150	-6.58770	.01370	.02510	.03080	-.32830	-.45390	-.36920	-.34770
1.256	-3.560	.02130	-6.58490	.01360	.02520	.03080	-.32530	-.45310	-.36700	-.34450
1.256	-2.530	.02110	-6.57650	.01350	.02490	.03040	-.32350	-.44770	-.36100	-.34050
1.256	-1.510	.02090	-6.57600	.01340	.02480	.03030	-.32270	-.44590	-.35800	-.33820
1.256	-.390	.02080	-6.57310	.01330	.02470	.03010	-.32220	-.44470	-.35130	-.33500
1.256	.620	.02080	-6.57190	.01340	.02450	.02990	-.32290	-.44180	-.34780	-.33520
1.256	1.640	.02090	-6.57500	.01340	.02450	.03000	-.32450	-.44280	-.34460	-.33780
1.256	2.750	.02110	-6.57250	.01350	.02460	.03010	-.32620	-.44270	-.34020	-.34020
1.256	3.850	.02100	-6.56970	.01350	.02450	.03000	-.32560	-.44140	-.33030	-.33970
1.256	4.950	.02130	-6.56740	.01360	.02460	.03020	-.32830	-.44280	-.32390	-.34330
1.256	6.040	.02150	-6.55820	.01370	.02470	.03030	-.33070	-.44370	-.31850	-.34720
	GRADIENT	-.00002	.00179	-.00001	-.00007	-.00008	-.00013	.00125	.00465	.00042

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 OF POOR QUALITY

DATE 15 JUL 75

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKB10) (15 JUL 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 19/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPBS	CPBE	CPBC
.955	-6.380	.02280	-6.30770	.01480	.02220	.02800	-.35890	-.42680	-.40770	-.36820
.955	-5.220	.02360	-6.30570	.01520	.02240	.02840	-.35670	-.42980	-.39810	-.38150
.955	-4.210	.02330	-6.30470	.01500	.02280	.02880	-.36080	-.43500	-.39380	-.37670
.955	-3.150	.02310	-6.29990	.01480	.02320	.02910	-.35700	-.43480	-.38940	-.37250
.955	-2.190	.02310	-6.29890	.01470	.02380	.02980	-.35400	-.43690	-.38990	-.37350
.955	-1.220	.02260	-6.29560	.01440	.02440	.03030	-.34720	-.44770	-.38370	-.36460
.955	-.250	.02240	-6.29420	.01440	.02480	.03060	-.34610	-.45530	-.37980	-.36230
.955	.710	.02240	-6.29360	.01430	.02490	.03070	-.34470	-.45920	-.37860	-.36170
.955	1.660	.02180	-6.29410	.01400	.02450	.03020	-.33720	-.45090	-.37170	-.35260
.955	2.710	.02160	-6.29970	.01380	.02450	.03020	-.33130	-.45080	-.36490	-.34950
.955	3.760	.02130	-6.28840	.01360	.02470	.03030	-.32650	-.44970	-.36100	-.34350
.955	4.820	.02100	-6.28650	.01350	.02450	.03000	-.32350	-.44270	-.35130	-.33980
.955	5.860	.02050	-6.28380	.01310	.02460	.03000	-.31480	-.44220	-.34870	-.33030
.955	6.890	.02050	-6.28490	.01290	.02470	.03000	-.30890	-.44200	-.34350	-.33060
	GRADIENT	-.00026	.00181	-.00017	.00018	.00013	.00424	-.00147	.00448	.00426

RUN NO. 18/ 0 RN/L = 7.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPBS	CPBE	CPBC
1.060	-6.470	.02780	-6.35130	.01840	.03340	.04060	-.45390	-.61800	-.47180	-.44810
1.060	-5.450	.02740	-6.34440	.01810	.03290	.04010	-.44330	-.50720	-.45650	-.44250
1.060	-4.450	.02720	-6.33970	.01790	.03240	.03950	-.43820	-.59620	-.44960	-.43910
1.060	-3.380	.02700	-6.33770	.01770	.03190	.03890	-.43270	-.58460	-.44410	-.43610
1.060	-2.310	.02670	-6.33530	.01750	.03140	.03840	-.42630	-.57330	-.43510	-.43160
1.060	-1.330	.02670	-6.33420	.01740	.03130	.03830	-.42430	-.57130	-.43010	-.43130
1.060	-.360	.02680	-6.33210	.01740	.03100	.03800	-.42070	-.56650	-.42260	-.43260
1.060	.610	.02690	-6.33050	.01740	.03060	.03750	-.42090	-.55930	-.41780	-.43420
1.060	1.660	.02670	-6.33110	.01720	.03040	.03730	-.41630	-.55810	-.40850	-.43120
1.060	2.720	.02690	-6.32980	.01730	.03030	.03730	-.41570	-.55440	-.40360	-.43480
1.060	3.690	.02720	-6.32830	.01740	.03020	.03720	-.41730	-.55230	-.40190	-.43890
1.060	4.840	.02750	-6.32690	.01750	.03030	.03740	-.41810	-.55170	-.39580	-.44320
1.060	5.890	.02790	-6.32250	.01760	.03070	.03790	-.42360	-.55770	-.39560	-.45020
1.060	6.830	.02840	-6.31850	.01790	.03140	.03880	-.42470	-.57110	-.39850	-.45890
	GRADIENT	.00303	.00130	-.00004	-.00023	-.00024	.00219	.00456	.00599	-.00344

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0055 GRIT ON WING,BODY AND VERT

(AFKB10) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 17/ 0 RN/L = 7.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMEO	CPBO	CPBS	CPBE	CPBC
1.262	-6.491	.02210	-6.36820	.01450	.02630	.03210	-.35680	-.49050	-.37090	-.35630
1.262	-5.450	.02160	-6.36670	.01430	.02600	.03170	-.35050	-.47430	-.36460	-.34900
1.262	-4.420	.02130	-6.36340	.01410	.02580	.03140	-.34820	-.46870	-.36080	-.34430
1.262	-3.440	.02120	-6.36080	.01410	.02590	.03150	-.34800	-.46870	-.35770	-.34160
1.262	-2.460	.02090	-6.35900	.01390	.02590	.03140	-.34380	-.46760	-.35330	-.33750
1.262	-1.480	.02080	-6.35630	.01380	.02590	.03120	-.34030	-.46580	-.34670	-.33500
1.262	-.500	.02040	-6.35560	.01360	.02570	.03110	-.33650	-.46460	-.33990	-.32990
1.262	.470	.02050	-6.35400	.01360	.02550	.03090	-.33340	-.46060	-.33590	-.33040
1.262	1.450	.02060	-6.35860	.01360	.02520	.03060	-.33360	-.45680	-.33180	-.33200
1.262	2.610	.02080	-6.35810	.01370	.02500	.03040	-.33620	-.45270	-.32640	-.33630
1.262	3.670	.02060	-6.35710	.01360	.02480	.03020	-.33310	-.44930	-.31910	-.33300
1.262	4.730	.02100	-6.35430	.01380	.02480	.03030	-.33730	-.44870	-.31100	-.33930
1.262	5.780	.02120	-6.34870	.01390	.02490	.03040	-.33830	-.44810	-.30520	-.34270
1.262	6.820	.02170	-6.34400	.01420	.02520	.03090	-.34430	-.45500	-.30450	-.35100
1.262	GRADIENT	-.00005	.00063	-.00005	-.00014	-.00016	.00155	.00253	.00540	.00069

IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFK811) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 20/ 0 RN/L = 11.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPBS	CPBE	CPBC
.998	-6.810	.02450	-6.54870	.01600	.02680	.03310	-.39100	-.50370	-.42930	-.39480
.998	-5.640	.02530	-6.52790	.01630	.02610	.03260	-.39370	-.49030	-.40390	-.40900
.998	-4.580	.02540	-6.51900	.01620	.02630	.03280	-.39100	-.49180	-.39460	-.40940
.998	-3.480	.02510	-6.51230	.01600	.02630	.03280	-.38400	-.48680	-.39190	-.40520
.998	-2.370	.02500	-6.50320	.01590	.02660	.03300	-.38140	-.49700	-.38840	-.40290
.998	-1.360	.02470	-6.49870	.01570	.02670	.03310	-.37400	-.49020	-.38530	-.39900
.998	-.340	.02440	-6.49400	.01540	.02720	.03350	-.36850	-.49910	-.38680	-.39410
.998	.670	.02430	-6.49000	.01530	.02720	.03350	-.36550	-.50070	-.38660	-.39190
.998	1.760	.02400	-6.48300	.01520	.02670	.03300	-.36420	-.49250	-.38140	-.38700
.998	2.860	.02410	-6.48730	.01520	.02700	.03320	-.36080	-.49510	-.37420	-.38860
.998	3.960	.02450	-6.48170	.01510	.02930	.03470	-.35580	-.51330	-.37250	-.39480
.998	5.050	.02420	-6.47690	.01500	.02730	.03360	-.35350	-.49370	-.37130	-.38980
.998	6.140	.02350	-6.47280	.01470	.02750	.03410	-.34960	-.50280	-.37060	-.37980
	GRADIENT	-.00014	.00408	-.00014	.00017	.00015	.00399	-.00208	.00244	.00230

RUN NO. 21/ 0 RN/L = 11.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPBS	CPBE	CPBC
1.094	-6.950	.02540	-6.58520	.01710	.03170	.03630	-.42420	-.58460	-.43760	-.41020
1.094	-5.860	.02560	-6.57190	.01700	.03170	.03640	-.41820	-.58510	-.43750	-.41290
1.094	-4.810	.02550	-6.56170	.01690	.03140	.03610	-.41450	-.57800	-.43040	-.41120
1.094	-3.690	.02530	-6.55750	.01670	.03080	.03740	-.40940	-.56430	-.42470	-.40830
1.094	-2.570	.02520	-6.55270	.01660	.03040	.03700	-.40540	-.55460	-.41890	-.40700
1.094	-1.540	.02520	-6.54830	.01650	.03010	.03670	-.40130	-.54830	-.41350	-.40720
1.094	-.520	.02550	-6.54780	.01660	.03010	.03670	-.40230	-.54790	-.40830	-.41140
1.094	.490	.02570	-6.54440	.01660	.02970	.03640	-.40300	-.54300	-.40470	-.41530
1.094	1.590	.02560	-6.54100	.01650	.02960	.03630	-.39910	-.54240	-.39890	-.41350
1.094	2.700	.02560	-6.53970	.01650	.02960	.03620	-.39650	-.54010	-.39190	-.41390
1.094	3.910	.02620	-6.53500	.01670	.029F3	.03640	-.40180	-.54070	-.38520	-.42260
1.094	5.010	.02630	-6.52990	.01680	.02990	.03670	-.40270	-.54290	-.37790	-.42720
1.094	6.110	.02680	-6.52280	.01690	.03040	.03730	-.40370	-.55210	-.38210	-.43230
1.094	7.140	.02750	-6.51110	.01730	.03090	.03810	-.41290	-.56270	-.39170	-.44300
	GRADIENT	.00008	.00296	-.00302	-.00020	-.00019	.00135	.00390	.00510	-.00130

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

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IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKB11) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 22/ 0 RN/L = 11.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMEQ	CPBO	CPBS	CPBE	CPBC
1.267	-7.000	.02240	-6.59350	.01470	.02680	.03270	-.36060	-.49860	-.38020	-.37090
1.267	-5.900	.02180	-6.58860	.01440	.02650	.03220	-.35270	-.48290	-.37440	-.3180
1.267	-4.810	.02140	-6.58590	.01420	.02620	.03180	-.35020	-.47690	-.37070	-.34190
1.267	-3.680	.02120	-6.57930	.01410	.02610	.03160	-.34850	-.47160	-.36490	-.34200
1.267	-2.450	.02090	-6.57220	.01390	.02610	.03160	-.34400	-.47090	-.35830	-.33710
1.267	-1.430	.02080	-6.56870	.01380	.02590	.03130	-.34010	-.46810	-.35060	-.33520
1.267	-.310	.02060	-6.56740	.01370	.02580	.03120	-.33750	-.46640	-.34510	-.33210
1.267	.710	.02060	-6.56670	.01370	.02550	.03090	-.33620	-.46200	-.34060	-.33230
1.267	1.810	.02070	-6.56980	.01370	.02520	.03060	-.33690	-.45720	-.33550	-.33450
1.267	2.920	.02090	-6.56730	.01370	.02500	.03040	-.33620	-.45270	-.32950	-.33690
1.267	4.030	.02090	-6.56780	.01370	.02490	.03030	-.33640	-.45140	-.31990	-.33690
1.267	5.120	.02120	-6.56310	.01380	.02490	.03050	-.33810	-.45130	-.31430	-.34190
1.267	6.210	.02160	-6.55100	.01410	.02520	.03080	-.34330	-.45580	-.30940	-.34930
1.267	GRADIENT	-.00005	.00177	-.00006	-.00016	-.00018	.00162	.00292	.00555	.00091

1A141 04 T4 S7 .0065 GRIT WING,BODY AND VERT

(AFKB12) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 25/0 RN/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPBS	CPBE	CPBC
.957	-6.420	.02490	6.29650	.01620	.01830	.02440	-.39550	-.33340	-.40000	-.40220
.957	-5.280	.02480	6.29190	.01610	.01820	.02430	-.39110	-.33000	-.38730	-.40020
.957	-4.290	.02510	6.28870	.01630	.01830	.02450	-.39410	-.33150	-.38180	-.40550
.957	-3.250	.02520	6.28470	.01620	.01840	.02460	-.39100	-.32850	-.37690	-.40630
.957	-2.280	.02500	6.28080	.01600	.01810	.02430	-.38600	-.31970	-.37340	-.40370
.957	-1.320	.02470	6.27630	.01570	.01800	.02410	-.37790	-.31830	-.37330	-.39890
.957	-.360	.02400	6.27470	.01530	.01800	.02390	-.36790	-.31830	-.37230	-.38790
.957	.600	.02360	6.27140	.01500	.01800	.02390	-.35990	-.31990	-.37600	-.38140
.957	1.640	.02350	6.26850	.01480	.01800	.02380	-.35560	-.32060	-.36660	-.37640
.957	2.690	.02280	6.26590	.01450	.01800	.02370	-.34780	-.32060	-.36540	-.36790
.957	3.730	.02220	6.26420	.01420	.01840	.02390	-.34150	-.32550	-.36110	-.35850
.957	4.780	.02060	6.26990	.01350	.01880	.02400	-.32790	-.32250	-.35990	-.33300
.957	5.820	.01990	6.27240	.01300	.01900	.02410	-.31860	-.33710	-.35600	-.32190
	GRADIENT	-.00047	-.00255	-.00030	.00003	-.00008	.00731	-.00003	.00222	.00753

RUN NO. 24/0 RN/L = 6.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPBS	CPBE	CPBC
1.058	-6.520	.02930	6.33710	.01930	.02610	.03350	-.47190	-.47790	-.47180	-.47290
1.058	-5.430	.02880	6.32760	.01890	.02570	.03300	-.46000	-.46920	-.46880	-.46520
1.058	-4.430	.02870	6.32290	.01870	.02550	.03270	-.45530	-.46390	-.46390	-.46270
1.058	-3.370	.02820	6.32070	.01840	.02540	.03250	-.44760	-.45920	-.45000	-.45440
1.058	-2.310	.02770	6.31280	.01800	.02510	.03200	-.43690	-.44900	-.42090	-.44640
1.058	-1.250	.02750	6.30880	.01780	.02440	.03130	-.43090	-.43860	-.41270	-.44360
1.058	-.280	.02740	6.30730	.01770	.02430	.03120	-.42750	-.43420	-.40870	-.44210
1.058	.680	.02740	6.30630	.01750	.02440	.03140	-.41900	-.44100	-.40290	-.44150
1.058	1.730	.02740	6.30580	.01760	.02440	.03130	-.41940	-.44130	-.39790	-.44160
1.058	2.780	.02740	6.30410	.01740	.02450	.03140	-.41610	-.44160	-.39460	-.44250
1.058	3.840	.02750	6.30490	.01750	.02490	.03190	-.41340	-.44510	-.39170	-.44440
1.058	4.890	.02770	6.30650	.01760	.02520	.03220	-.42160	-.45080	-.38890	-.44730
1.058	5.990	.02820	6.31010	.01790	.02600	.03320	-.42750	-.45750	-.38970	-.45560
	GRADIENT	-.00009	-.00182	-.00012	-.00005	-.00007	.00382	.00052	.00514	.00137

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKB12) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 9DFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 23/ 0 RN/L = 7.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CMBF	CLMBO	CPBO	CPBS	CPBE	CPBC
1.262	-6.570	.02330	6.34720	.01540	.02150	.02740	-.37660	-.39180	-.35800	-.57650
1.262	-5.510	.02290	6.34520	.01510	.02130	.02710	-.36990	-.38750	-.35640	-.56910
1.262	-4.480	.02260	6.33980	.01490	.02120	.02690	-.36610	-.38500	-.35190	-.56490
1.262	-3.420	.02240	6.33590	.01480	.02080	.02650	-.36310	-.37860	-.34170	-.56080
1.262	-2.250	.02210	6.33510	.01460	.02070	.02630	-.35760	-.37340	-.33670	-.55670
1.262	-1.270	.02180	6.33390	.01440	.02050	.02600	-.35280	-.36820	-.33410	-.55270
1.262	-.290	.02160	6.33080	.01420	.02030	.02570	-.34930	-.36380	-.33120	-.54880
1.262	.670	.02140	6.33150	.01410	.02040	.02590	-.34500	-.35660	-.33310	-.54600
1.262	1.730	.02140	6.33120	.01410	.02060	.02600	-.34450	-.35660	-.32420	-.54600
1.262	2.790	.02120	6.33070	.01390	.02070	.02610	-.33810	-.37360	-.31980	-.54200
1.262	3.850	.02120	6.33030	.01380	.02100	.02640	-.33640	-.37850	-.31550	-.54260
1.262	4.910	.02120	6.33370	.01370	.02110	.02650	-.33420	-.38750	-.30940	-.54170
1.262	5.950	.02130	6.33440	.01390	.02130	.02670	-.33710	-.39440	-.30760	-.54390
	GRADIENT	-.02016	-.00071	-.00013	.00001	-.00003	.00352	.00007	.00399	.00253

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

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IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT

(AFKB13) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-1R = 10.000 BDFLAP = .000
 SPD3RK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 26/ 0 RN/L = 11.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMEO	CPBO	CPBS	CPBE	CPBC
.989	-6.770	.02680	6.52170	.01740	.02040	.02710	-.42340	-.37200	-.41690	-.43230
.989	-5.630	.02650	6.49630	.01720	.01970	.02630	-.41660	-.35890	-.40090	-.42810
.989	-4.580	.02630	6.48530	.01700	.01980	.02630	-.41070	-.35810	-.39280	-.42400
.989	-3.490	.02630	6.47989	.01690	.01990	.02650	-.40710	-.35880	-.38280	-.42410
.939	-2.270	.02640	6.46950	.01690	.01990	.02640	-.40680	-.35350	-.38010	-.42530
.989	-1.260	.02600	6.46330	.01670	.01950	.02600	-.40160	-.34770	-.37710	-.41960
.989	-.250	.02590	6.45810	.01650	.01970	.02620	-.39720	-.35050	-.37640	-.41740
.989	.730	.02540	6.45180	.01620	.01960	.02610	-.38840	-.35340	-.37640	-.40970
.989	1.810	.02490	6.44940	.01590	.01980	.02600	-.38260	-.35390	-.37430	-.40180
.989	2.910	.02500	6.44440	.01590	.02020	.02600	-.38030	-.36180	-.37250	-.40290
.989	4.000	.02380	6.44170	.01520	.02030	.02630	-.36700	-.36350	-.37370	-.39370
.989	5.070	.02280	6.44520	.01470	.02030	.02610	-.35740	-.36170	-.37060	-.36770
.989	6.160	.02150	6.45020	.01410	.02010	.02560	-.34310	-.35810	-.36680	-.34750
	GRADIENT	-.00327	-.00522	-.00020	.00005	-.00002	.00496	-.00357	.00189	.00441

RUN NO. 27/ 0 RN/L = 11.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPBS	CPBE	CPBC
1.094	-6.920	.02640	6.57890	.01730	.02390	.03050	-.42130	-.43180	-.43380	-.42590
1.094	-5.750	.02670	6.56140	.01750	.02370	.03040	-.42640	-.42900	-.42210	-.43080
1.094	-4.640	.02700	6.55280	.01760	.02350	.03030	-.42720	-.42510	-.41170	-.43590
1.094	-3.580	.02710	6.54650	.01760	.02360	.03040	-.42580	-.42470	-.40520	-.43730
1.094	-2.540	.02670	6.53550	.01730	.02340	.03020	-.41910	-.41690	-.39940	-.43160
1.094	-1.500	.02640	6.52860	.01710	.02310	.02970	-.41340	-.41010	-.39120	-.42590
1.094	-.470	.02620	6.52560	.01680	.02290	.02950	-.40630	-.40590	-.38660	-.42260
1.094	.550	.02630	6.52250	.01680	.02340	.03010	-.40270	-.41890	-.38500	-.42400
1.094	1.580	.02610	6.52180	.01660	.02350	.03010	-.39730	-.42200	-.37590	-.42170
1.094	2.600	.02620	6.51360	.01660	.02380	.03050	-.39760	-.43020	-.37550	-.42350
1.094	3.620	.02630	6.50740	.01650	.02410	.03080	-.39530	-.43620	-.37230	-.42500
1.094	4.720	.02660	6.50850	.01680	.02460	.03140	-.39990	-.44550	-.36780	-.42590
1.094	5.830	.02700	6.51210	.01700	.02540	.03230	-.40640	-.45830	-.36800	-.43540
1.094	6.800	.02730	6.51240	.01710	.02600	.03290	-.40640	-.46710	-.36970	-.43980
	GRADIENT	-.00007	-.00472	-.00011	.00010	.00009	.00352	-.00225	.00464	.00112

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKB13) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = 9.000
 ELV-CR = 9.000 ELV-IL = 10.070
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 28/ 0 RN/L = 11.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMEO	CPBO	CPBS	CPBE	CPBC
1.270	-7.010	.02340	6.58370	.01530	.02160	.02750	-.37360	-.38980	-.36400	-.37710
1.270	-5.910	.02310	6.57230	.01520	.02130	.02720	-.37060	-.38580	-.35110	-.37260
1.270	-4.820	.02280	6.56620	.01500	.02110	.02690	-.36580	-.38170	-.34550	-.36780
1.270	-3.580	.02250	6.55770	.01470	.02090	.02650	-.36050	-.37660	-.33960	-.36270
1.270	-2.540	.02220	6.55180	.01450	.02070	.02630	-.35490	-.37080	-.33480	-.35790
1.270	-1.500	.02190	6.54820	.01430	.02050	.02610	-.34930	-.36570	-.33150	-.35300
1.270	-.470	.02170	6.54610	.01420	.02030	.02580	-.34600	-.36200	-.32820	-.35030
1.270	.550	.02160	6.54830	.01410	.02040	.02590	-.34370	-.35520	-.32860	-.34800
1.270	1.560	.02150	6.54630	.01400	.02060	.02610	-.34270	-.36910	-.32320	-.34700
1.270	2.660	.02130	6.54270	.01380	.02070	.02620	-.33550	-.37150	-.31920	-.34340
1.270	3.770	.02120	6.54180	.01370	.02090	.02640	-.33250	-.37580	-.31450	-.34280
1.270	4.880	.02120	6.54490	.01370	.02110	.02650	-.33210	-.37910	-.30920	-.34240
1.270	5.980	.02110	6.55120	.01360	.02120	.02660	-.33080	-.37960	-.30410	-.34080
1.270	7.010	.02100	6.54740	.01360	.02140	.02680	-.32800	-.38150	-.30650	-.33960
1.270	GRADIENT	-.00017	-.00202	-.00013	.00000	-.00003	.00354	.00007	.00346	.00263

ORIGINAL PAGE IS
OF POOR QUALITY

1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKB14) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 4.500

RUN NO. 36/ 0 RN/L = 4.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPBS	CPBE	CPBC
.595	-6.100	.01570	.00340	.00960	.01900	.02310	-.22430	-.33840	-.31760	-.25340
.595	-5.050	.01550	.00240	.00960	.01820	.02230	-.22490	-.32500	-.30770	-.25090
.595	-4.090	.01540	.00150	.00950	.01780	.02190	-.22280	-.31950	-.29910	-.24930
.595	-3.090	.01510	.00280	.00940	.01780	.02180	-.22110	-.31870	-.29530	-.24390
.595	-2.090	.01490	.00140	.00930	.01790	.02190	-.22050	-.32110	-.29010	-.24150
.595	-1.080	.01460	.00130	.00910	.01770	.02150	-.21520	-.31920	-.28930	-.23670
.595	-.160	.01450	.00050	.00890	.01760	.02140	-.21060	-.31720	-.28500	-.23380
.595	.760	.01420	.00010	.00880	.01740	.02120	-.20920	-.31360	-.28080	-.22950
.595	1.850	.01380	-.00050	.00860	.01780	.02150	-.20460	-.31880	-.27630	-.22370
.595	2.850	.01340	-.00020	.00830	.01790	.02150	-.19920	-.31730	-.27020	-.21630
.595	3.850	.01290	.00090	.00800	.01790	.02140	-.19990	-.31710	-.26460	-.20860
.595	4.850	.01260	.00100	.00800	.01820	.02160	-.19250	-.32380	-.26460	-.20380
.595	5.850	.01250	.00150	.00790	.01870	.02210	-.18840	-.33170	-.26450	-.20210
	GRADIENT	-.00031	-.00019	-.00018	.00003	-.00005	.00389	-.00003	.00409	.00506

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKB15) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .500 RUDDER = .000
 RN/L = 7.000

RUN NO. 31/ 0 RN/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPBS	CPBE	CPBC
.950	-6.420	.02050	.00850	.01360	.02010	.02530	-.33330	-.38020	-.41310	-.33050
.950	-5.330	.02030	.00850	.01340	.01990	.02510	-.33020	-.37590	-.40410	-.32790
.950	-4.330	.02060	.00800	.01360	.01990	.02510	-.33400	-.37380	-.39980	-.33180
.950	-3.270	.02070	.00830	.01360	.01980	.02500	-.33180	-.37000	-.39080	-.33470
.950	-2.310	.02110	.00720	.01370	.01960	.02490	-.33390	-.36420	-.38670	-.34040
.950	-1.350	.02140	.00680	.01380	.01960	.02510	-.33390	-.36470	-.38630	-.34590
.950	-.400	.02150	.00640	.01390	.01960	.02530	-.33650	-.37100	-.39090	-.34700
.950	.560	.02130	.00510	.01380	.02060	.02600	-.33290	-.38100	-.37560	-.34420
.950	1.610	.02130	.00440	.01380	.02090	.02630	-.33530	-.38490	-.37000	-.34440
.950	2.750	.02120	.00360	.01370	.02060	.02600	-.33190	-.37960	-.36660	-.34150
.950	3.800	.02090	.00250	.01350	.02080	.02620	-.32850	-.38470	-.36020	-.33660
.950	4.840	.02010	.00430	.01320	.02090	.02610	-.32090	-.38570	-.35250	-.32490
.950	5.880	.01980	.00630	.01290	.02120	.02630	-.31610	-.39030	-.34510	-.31950
.950	6.860	.01910	.00640	.01260	.02170	.02660	-.30830	-.39720	-.34260	-.30900
	GRADIENT	-.00002	-.00060	-.00003	.00015	.00016	.00092	-.00219	.00476	.00035

RUN NO. 30/ 0 RN/L = 7.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPBS	CPBE	CPBC
1.068	-6.430	.02650	.01150	.01730	.02990	.03670	-.42110	-.54980	-.44680	-.42810
1.068	-5.420	.02550	.01020	.01660	.02840	.03500	-.40410	-.52140	-.42610	-.41170
1.068	-4.420	.02500	.00760	.01630	.02790	.03440	-.39640	-.51090	-.41450	-.40330
1.068	-3.430	.02440	.00640	.01500	.02750	.03390	-.38980	-.50290	-.40490	-.39410
1.068	-2.400	.02400	.00620	.01570	.02740	.03360	-.38390	-.49880	-.39880	-.38790
1.068	-1.370	.02370	.00620	.01560	.02710	.03330	-.38210	-.49340	-.39150	-.38280
1.068	-.250	.02350	.00510	.01550	.02680	.03290	-.38030	-.48950	-.38540	-.37910
1.068	.740	.02320	.00430	.01530	.02740	.03350	-.37600	-.48000	-.37970	-.37460
1.068	1.760	.02330	.00160	.01530	.02740	.03340	-.37520	-.49790	-.37210	-.37580
1.068	2.750	.02360	.00340	.01540	.02770	.03380	-.37570	-.50220	-.36920	-.38080
1.068	3.740	.02390	.00180	.01560	.02800	.03430	-.38050	-.51030	-.36460	-.38650
1.068	4.730	.02410	.00230	.01570	.02860	.03490	-.38240	-.52250	-.35900	-.38880
1.068	5.720	.02480	.00320	.01610	.02940	.03590	-.39010	-.53730	-.35620	-.39990
1.068	6.700	.02510	.00420	.01630	.03010	.03670	-.39590	-.55120	-.35920	-.40340
1.068	7.680	.02520	.00640	.01650	.03080	.03740	-.40310	-.56290	-.36210	-.40620
	GRADIENT	-.00009	-.00064	-.00006	.00007	.00005	.00154	-.00114	.00587	.00147

1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKB15) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 29/ 0 RN/L = 7.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMPO	CPBO	CPBS	CPBL	CPBC
1.268	-6.480	.02190	.01140	.01420	.02420	.02990	- 34640	- 44090	- 35340	- 35340
1.268	-5.430	.02140	.01000	.01390	.02400	.02960	- 33960	- 43660	- 34290	- 34490
1.268	-4.290	.02110	.01010	.01380	.02400	.02940	- 33490	- 43330	- 33390	- 34130
1.268	-3.310	.02080	.01020	.01360	.02390	.02930	- 33340	- 43000	- 32690	- 33610
1.268	-2.330	.02060	.00900	.01350	.02370	.02900	- 33220	- 42570	- 32090	- 33260
1.268	-1.340	.02030	.00910	.01340	.02350	.02880	- 32690	- 42160	- 31750	- 32790
1.268	-.360	.02020	.00890	.01330	.02340	.02870	- 32910	- 41990	- 31260	- 32580
1.268	.610	.01990	.00790	.01310	.02350	.02870	- 32110	- 42030	- 30860	- 32160
1.268	1.590	.01990	.00650	.01300	.02360	.02870	- 31820	- 42130	- 30490	- 32050
1.268	2.550	.01980	.00570	.01300	.02350	.02860	- 31650	- 41900	- 30070	- 31950
1.268	3.530	.01970	.00400	.01290	.02340	.02850	- 31340	- 41770	- 29210	- 31810
1.268	4.590	.01970	.00390	.01280	.02370	.02880	- 31120	- 42320	- 28390	- 31790
1.268	5.650	.01970	.00650	.01280	.02420	.02940	- 30920	- 43360	- 27590	- 31860
1.268	6.700	.01990	.00800	.01280	.02470	.02990	- 30920	- 44130	- 26770	- 32060
	GRADIENT	-.00016	-.00077	-.00011	-.00004	-.00008	00290	.00130	.00517	.00264

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

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IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKB16) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SFDBRK = .000 RUDDER = .000
 RN/L = 9.000

RUN NO. 34/ 0 RN/L = 9.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNBF	CLMBO	CPBO	CPBS	CPBE	CPBC
1.078	-6.620	.02530	.01120	.01650	.02830	.03480	-.40040	-.52260	-.43430	-.40830
1.078	-5.480	.02490	.00910	.01620	.02760	.03410	-.39400	-.50950	-.42220	-.40170
1.078	-4.470	.02440	.00680	.01590	.02740	.03370	-.38760	-.50220	-.41270	-.39440
1.078	-3.440	.02400	.00650	.01570	.02720	.03340	-.38250	-.49650	-.40380	-.38680
1.078	-2.390	.02370	.00540	.01550	.02700	.03320	-.37790	-.49270	-.39500	-.38250
1.078	-1.320	.02340	.00530	.01540	.02690	.03290	-.37670	-.49000	-.38960	-.37770
1.078	-.160	.02320	.00430	.01530	.02680	.03280	-.37560	-.49030	-.38420	-.37420
1.078	.910	.02300	.00270	.01520	.02730	.03330	-.37280	-.49900	-.37760	-.37190
1.078	1.980	.02320	.00170	.01520	.02730	.03340	-.37210	-.49730	-.37230	-.37500
1.078	3.060	.02340	.00180	.01520	.02740	.03350	-.37100	-.49810	-.36550	-.37760
1.078	4.130	.02370	.00020	.01540	.02800	.03410	-.37510	-.51110	-.35980	-.38180
1.078	5.210	.02400	.00210	.01560	.02860	.03490	-.38020	-.52350	-.35510	-.38770
1.078	6.270	.02450	.00360	.01590	.02940	.03580	-.38500	-.53850	-.35380	-.39550
	GRADIENT	-.00009	-.00078	-.00007	.00006	.00004	.00154	-.00091	.00591	.00152

IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKB17) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-TL = 10.000
 ELV-IR = 10.000 BDFLAP = .800
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.000

RUN NO. 37 0 RN/L = 10.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CN80	CN870	CN8F	CLM80	CP80	CP85	CP8E	CP8C
.597	-6.370	.01560	.00550	.00970	.01870	.02280	-.22830	-.33580	-.32530	-.31840	-.25190
.597	-5.350	.01580	.00490	.00960	.01830	.02250	-.22380	-.33000	-.31840	-.30950	-.25600
.597	-4.350	.01550	.00610	.00940	.01810	.02210	-.22060	-.32690	-.30550	-.30950	-.24970
.597	-3.300	.01530	.00470	.00940	.01790	.02190	-.22010	-.32390	-.30550	-.30550	-.24770
.597	-2.340	.01520	.00560	.00950	.01800	.02200	-.22390	-.32760	-.29990	-.29990	-.24640
.597	-1.380	.01500	.00330	.00930	.01770	.02170	-.22170	-.32200	-.29770	-.29770	-.24280
.597	-.410	.01480	.00430	.00920	.01770	.02160	-.21930	-.32250	-.29780	-.29780	-.23880
.597	.550	.01460	.00320	.00900	.01750	.02140	-.21270	-.32070	-.28910	-.28910	-.23540
.597	1.510	.01410	.00190	.00870	.01760	.02160	-.20620	-.32250	-.28490	-.28490	-.22800
.597	2.560	.01370	.00220	.00850	.01810	.02180	-.19990	-.32560	-.28260	-.28260	-.22220
.597	3.510	.01330	.00210	.00820	.01810	.02180	-.19390	-.32470	-.27580	-.27580	-.21450
.597	4.560	.01300	.00320	.00810	.01830	.02180	-.19150	-.32820	-.27520	-.27520	-.21070
.597	5.610	.01290	.00350	.00820	.01870	.02210	-.19720	-.33460	-.27710	-.27710	-.20850
.597	GRADIENT	-.03029	-.00041	-.00017	.00002	-.00004	.00382	-.00005	.00401	.00463	

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKB18) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 32/ 0 RN/L = 11.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNEF	CLMBC	CPBO	CPBS	CPBE	CPBC
.997	-6.810	.02180	.01510	.01440	.02390	.02950	-.35500	-.44640	-.42980	-.35120
.997	-5.680	.02170	.01420	.01410	.02310	.02850	-.34630	-.43210	-.40670	-.34270
.997	-4.620	.02110	.01190	.01400	.02270	.02820	-.34320	-.42530	-.39740	-.34090
.997	-3.610	.02070	.00790	.01380	.02230	.02760	-.34130	-.41450	-.39110	-.33500
.997	-2.500	.02070	.00950	.01370	.02240	.02770	-.33620	-.41390	-.39110	-.33470
.997	-1.490	.02100	.00810	.01370	.02190	.02720	-.33610	-.40520	-.38980	-.33830
.997	-.490	.02070	.00610	.01370	.02170	.02700	-.33720	-.40570	-.38480	-.33390
.997	.500	.02090	.00510	.01380	.02260	.02800	-.33790	-.42110	-.37450	-.33690
.997	1.600	.02090	.00510	.01390	.02300	.02840	-.34100	-.42540	-.36950	-.33720
.997	2.690	.02090	.00400	.01380	.02300	.02840	-.33950	-.42460	-.36530	-.33680
.997	3.790	.02120	.00120	.01390	.02350	.02900	-.34120	-.43450	-.36450	-.34280
.997	4.880	.02110	.00300	.01400	.02370	.02920	-.34360	-.43950	-.35830	-.33990
.997	5.970	.02100	.00450	.01380	.02430	.02970	-.33910	-.44860	-.35690	-.33860
.997	6.980	.02070	.00760	.01360	.02450	.02990	-.33360	-.44980	-.35240	-.33470
	GRADIENT	.00003	-.00094	.00001	.00014	.00016	-.00021	-.00231	.00425	-.00033

RUN NO. 33/ 0 RN/L = 11.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNEF	CLMBO	CPBO	CPBS	CPBE	CPBC
1.095	-6.890	.02450	.01270	.01600	.02770	.03400	-.39050	-.51100	-.42510	-.39590
1.095	-5.680	.02440	.00920	.01590	.02750	.03360	-.38730	-.50170	-.41750	-.39340
1.095	-4.600	.02410	.00660	.01570	.02730	.03320	-.38190	-.49520	-.40810	-.38980
1.095	-3.480	.02370	.00540	.01550	.02680	.03290	-.37810	-.49020	-.39650	-.38220
1.095	-2.450	.02350	.00530	.01540	.02680	.03290	-.37420	-.48930	-.38970	-.37990
1.095	-1.420	.02320	.00540	.01520	.02660	.03260	-.37090	-.48520	-.38350	-.37520
1.095	-.400	.02300	.00430	.01510	.02630	.03230	-.36950	-.48230	-.37910	-.37180
1.095	.600	.02280	.00280	.01500	.02680	.03270	-.36690	-.49090	-.37240	-.36780
1.095	1.610	.02290	.00240	.01500	.02690	.03290	-.36710	-.49180	-.36860	-.37000
1.095	2.710	.02270	.00100	.01490	.02720	.03310	-.36480	-.49480	-.36170	-.36710
1.095	3.820	.02280	-.00220	.01490	.02740	.03330	-.36390	-.49950	-.35520	-.36810
1.095	4.930	.02300	.00000	.01500	.02790	.03390	-.36690	-.51040	-.34920	-.37090
1.095	6.020	.02340	.00480	.01530	.02880	.03490	-.37200	-.52710	-.34520	-.37750
	GRADIENT	-.00012	-.00084	-.00008	.00009	.00007	.00173	-.00151	.00585	.00198

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

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IA141 04 T4 S7 .0065 GRIT ON WING, BODY AND VERT

(AFKB18) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-CL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 35/ 0 RN/L = 11.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CABC	BETA	CNBO	CNEF	CLMBC	CPBO	CPBS	CPBE	CPBC
1.273	-6.930	.02170	.01280	.01410	.02430	.02990	-.34470	-.44460	-.35870	-.34990
1.273	-5.820	.02140	.01390	.01400	.02420	.02970	-.34040	-.44000	-.34810	-.34490
1.273	-4.630	.02110	.01310	.01380	.02410	.02950	-.33860	-.43760	-.33920	-.34030
1.273	-3.500	.02100	.01390	.01380	.02400	.02950	-.33640	-.43470	-.33200	-.33830
1.273	-2.470	.02070	.01320	.01360	.02370	.02910	-.33460	-.42780	-.32580	-.33470
1.273	-1.440	.02050	.01290	.01360	.02350	.02880	-.33290	-.42370	-.31980	-.33150
1.273	-.420	.02030	.01200	.01340	.02340	.02860	-.33010	-.42050	-.31590	-.32830
1.273	.580	.02010	.01020	.01310	.02340	.02870	-.32080	-.42110	-.31050	-.32400
1.273	1.590	.01990	.00750	.01290	.02350	.02860	-.31500	-.42130	-.30830	-.32090
1.273	2.700	.01980	.00480	.01280	.02330	.02850	-.31160	-.41800	-.30190	-.32030
1.273	3.810	.01990	.00360	.01280	.02340	.02860	-.31010	-.41970	-.29420	-.32080
1.273	4.930	.01990	.00610	.01280	.02400	.02920	-.30950	-.43160	-.28520	-.32160
1.273	5.940	.02000	.00960	.01280	.02440	.02960	-.30690	-.43850	-.27670	-.32250
1.273	GRADIENT	-.00014	-.00112	-.00013	-.00004	-.00007	.00359	.00122	.00526	.00229

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

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IA141 03 T5 S8 NO GRIT

(AFKCO1) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFI AP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 2001/ 0 RN/L = 7.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPBI
1.269	-6.560	1.98530	.44390	.14680	.04750	.19430	-.02610	-.00430	.00600	-.33900
1.269	-5.530	1.94640	.39070	.14330	.04190	.18520	-.00840	-.00100	.00710	-.33650
1.269	-4.440	1.89620	.33100	.13850	.03540	.17400	.00910	.00210	.00860	-.33010
1.269	-3.460	1.85810	.27940	.13520	.02990	.16510	.02500	.00500	.01000	-.32720
1.269	-2.470	1.81710	.22190	.13160	.02380	.15540	.04060	.00770	.01150	-.32240
1.269	-1.480	1.77270	.16710	.12760	.01790	.14550	.05610	.01040	.01320	-.32150
1.269	-.500	1.75180	.12180	.12560	.01300	.13870	.06920	.01270	.01480	-.32040
1.269	.460	1.73370	.07910	.12430	.00840	.13280	.08130	.01480	.01640	-.31780
1.269	1.420	1.70900	.04220	.12220	.00450	.12670	.09100	.01650	.01770	-.31550
1.269	2.440	1.67220	.00650	.11910	.00070	.11980	.10130	.01840	.01900	-.31310
1.269	3.460	1.62440	-.01420	.11520	-.00300	.11210	.11250	.02030	.02040	-.31070
1.269	4.470	1.56780	-.03170	.11050	-.00680	.10370	.12260	.02220	.02140	-.30960
1.269	5.480	1.49630	-.04790	.10480	-.01030	.09450	.13310	.02400	.02240	-.30800
1.269	6.470	1.39380	-.06310	.09660	-.01350	.08230	.14290	.02580	.02320	-.30480
	GRADIENT	-.03396	-.04189	-.00290	-.00473	-.00764	.01261	.00222	.00148	.00225

1A141 02 T5 S8 .0065 GRIT ON WING.

(AFK02) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 2002/ 0 RN/L = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHET	CHCO	CHET	CNW	CBW	CTW	CPBI
1.267	-6.540	2.00110	.47480	.14660	.05030	.19690	-.02600	-.00420	.00610	-.34160
1.267	-3.430	1.95740	.40640	.14240	.04300	.18550	-.00570	-.00050	.00730	-.33670
1.267	-4.440	1.92190	.34620	.13940	.03660	.17600	.01040	.00230	.00870	-.33050
1.267	-3.420	1.87600	.28870	.13510	.03050	.16570	.02660	.00520	.01010	-.32460
1.267	-2.420	1.83770	.23180	.13160	.02450	.15620	.04230	.00800	.01170	-.32000
1.267	-1.410	1.80270	.17770	.12860	.01880	.14740	.05770	.01070	.01350	-.31820
1.267	-.440	1.78390	.13240	.12690	.01400	.14100	.07090	.01300	.01520	-.31820
1.267	.530	1.76060	.08440	.12510	.00890	.13400	.08230	.01510	.01660	-.31630
1.267	1.500	1.73760	.04220	.12310	.00440	.12760	.09260	.01700	.01800	-.31280
1.267	2.530	1.70900	-.00050	.12070	-.00010	.12060	.10290	.01890	.01930	-.30990
1.267	3.490	1.66520	-.01970	.11720	-.00410	.11300	.11290	.02080	.02030	-.30900
1.267	4.510	1.61330	-.04230	.11290	-.00890	.10390	.12390	.02280	.02150	-.30760
1.267	5.520	1.54360	-.06170	.10730	-.01310	.09410	.13440	.02480	.02230	-.30580
1.267	6.520	1.43990	-.07950	.09910	-.01690	.08220	.14400	.02660	.02310	-.30340
	GRADIENT	-.03134	-.04453	-.00268	-.00504	-.00773	.01252	.00226	.00147	.00240

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKCO3) (15 JUL 76)

REFERENCE DATA

SREF = 2620.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 2004/ 0 RN/L = 7.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPB1
.972	-6.450	.92390	.42540	.07030	.05260	.12300	-.04700	-.00850	.00320	-.37290
.972	-5.430	.86480	.41930	.06540	.05190	.11740	-.03150	-.00580	.00570	-.36690
.972	-4.420	.79650	.41480	.06010	.05150	.11170	-.01590	-.00320	.00810	-.35500
.972	-3.450	.76970	.41830	.05790	.05190	.10990	-.03450	-.00090	.01000	-.34880
.972	-2.460	.73420	.41100	.05510	.05100	.10610	.01760	.00130	.01170	-.34510
.972	-1.480	.69590	.40340	.05200	.05000	.10210	.02120	.00380	.01390	-.34320
.972	-.500	.64990	.38820	.04850	.04820	.09680	.03490	.00630	.01580	-.34500
.972	.460	.61300	.37350	.04550	.04630	.09190	.04800	.00890	.01740	-.33830
.972	1.430	.56620	.34590	.04120	.04300	.08420	.05290	.01160	.01900	-.33860
.972	2.390	.52840	.32420	.03980	.04030	.08010	.07640	.01400	.02090	-.34190
.972	3.350	.53260	.30260	.03940	.03760	.07700	.09960	.01620	.02270	-.34030
.972	4.360	.52690	.26900	.03890	.03340	.07230	.11200	.01830	.02460	-.33950
.972	5.370	.54850	.22400	.04060	.02790	.06860	.11380	.02030	.02630	-.33840
.972	6.370	.60480	.18320	.04500	.02280	.06790	.12280	.02180	.02800	-.33260
	GRADIENT	-.03438	-.01708	-.00269	-.00211	-.00481	.01371	.00251	.00187	.00136

RUN NO. 2003/ 0 RN/L = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPB1
1.069	-6.520	1.62950	.51200	.12360	.05880	.18250	-.04990	-.00860	.00620	-.42060
1.069	-5.410	1.58730	.51420	.11940	.05880	.17820	-.03170	-.00550	.00930	-.40630
1.069	-4.380	1.53950	.51860	.11500	.05920	.17420	-.01570	-.00270	.01170	-.40000
1.069	-3.380	1.51710	.51630	.11300	.05890	.17200	-.00360	-.00010	.01340	-.39200
1.069	-2.370	1.50930	.52030	.11210	.05930	.17140	.01150	.00260	.01540	-.38200
1.069	-1.370	1.48680	.50490	.11010	.05750	.16760	.02770	.00560	.01750	-.37940
1.069	-.370	1.44620	.47070	.10680	.05370	.16060	.04350	.00850	.01890	-.37580
1.069	.610	1.38920	.41500	.10180	.04730	.14910	.05950	.01130	.02000	-.37130
1.069	1.590	1.33130	.35730	.09730	.04080	.13820	.07250	.01380	.02120	-.37090
1.069	2.570	1.27930	.30160	.09310	.03450	.12770	.08540	.01610	.02240	-.37170
1.069	3.550	1.21490	.23940	.08810	.02740	.11660	.09730	.01820	.02350	-.37790
1.069	4.530	1.16030	.18020	.08390	.02070	.10690	.10890	.02030	.02440	-.38320
1.069	5.500	1.11140	.12560	.08010	.01440	.09460	.11940	.02220	.02520	-.39040
1.069	6.510	1.05400	.07300	.07580	.00840	.08430	.12940	.02390	.02610	-.40020
	GRADIENT	-.04406	-.04020	-.00363	-.00457	-.00619	.01437	.00263	.00143	.00204

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OF POOR QUALITY

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 Q4 T4 S7 .0055 GRIT ON WING,BODY AND VERT

(AFK004) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 9.000

RUN NO. 2005/ Q RN/L = 9.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHE1	CHE0	CHET	CNW	CEW	CTW	CPB1
1.083	-6.720	1.96150	.63180	.12130	.05580	.17820	-.05050	-.00860	.00560	-.40210
1.093	-5.650	1.91810	.63200	.11800	.05580	.17480	-.03310	-.00560	.00840	-.39740
1.093	-4.610	1.87560	.63610	.11450	.05710	.17170	-.01770	-.00290	.01090	-.39380
1.093	-3.600	1.84580	.63780	.11240	.05730	.16980	-.00360	-.00030	.01290	-.38900
1.093	-2.580	1.82530	.64290	.11070	.05760	.16830	.01100	.00240	.01480	-.38090
1.093	-1.560	1.79650	.62900	.10860	.05640	.16510	.02700	.00530	.01680	-.37590
1.083	-.560	1.76250	.58570	.10630	.05260	.15890	.04300	.00830	.01840	-.37470
1.083	.430	1.69320	.51880	.10130	.04660	.14790	.05760	.01100	.01260	-.37010
1.083	1.430	1.61990	.44840	.09630	.04040	.13670	.07210	.01369	.02090	-.36700
1.083	2.420	1.54830	.36000	.09140	.03250	.12400	.03510	.01600	.02210	-.36680
1.083	3.410	1.46420	.28010	.08600	.02530	.11140	.03310	.01830	.02320	-.36930
1.083	4.450	1.39080	.20960	.08120	.01900	.10030	.11010	.02040	.02430	-.37580
1.083	5.490	1.32530	.14050	.07710	.01270	.08990	.12100	.02230	.02530	-.37960
1.083	6.520	1.26550	.07930	.07280	.00720	.08010	.13070	.02410	.02620	-.39310
	GRADIENT	-.05443	-.05044	-.00376	-.00450	-.00826	.01439	-.00263	.00147	.00243

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

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IA141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT

(AFK005) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 2007/ 0 RN/L = 11.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPBI
.991	-6.860	1.39090	.64920	.06940	.05040	.11989	-.05100	-.00900	.00180	-.37380
.991	-5.790	1.35300	.66930	.06760	.05220	.11990	-.03610	-.00640	.00430	-.36970
.991	-4.620	1.15130	.63200	.05690	.04970	.10670	-.01890	-.00340	.00640	-.35300
.991	-3.620	1.10400	.64490	.05400	.05050	.10460	-.00580	-.00110	.00840	-.34980
.991	-2.520	1.11370	.65180	.05450	.05090	.10540	.00820	.00140	.01100	-.35060
.991	-1.520	1.05340	.63180	.05130	.04940	.10080	.02160	.00380	.01300	-.35020
.991	-.500	.94400	.59780	.04570	.04700	.09270	.03620	.00650	.01490	-.34290
.991	.490	.89830	.57550	.04330	.04520	.08850	.05020	.00920	.01680	-.34110
.991	1.490	.87360	.54290	.04190	.04240	.09440	.03400	.01180	.01850	-.34490
.991	2.490	.82750	.50110	.03970	.03940	.07920	.07930	.01430	.02040	-.33770
.991	3.490	.77700	.44740	.03710	.03520	.07240	.03260	.01690	.02210	-.33810
.991	4.680	.81290	.40180	.03880	.03150	.07040	.10430	.01890	.02410	-.34460
.991	5.780	.86660	.32390	.04170	.02540	.06720	.11530	.02110	.02570	-.33760
.991	6.860	.90960	.24400	.04410	.01920	.06340	.12470	.02230	.02730	-.33170
	GRADIENT	-.04329	-.02659	-.00227	-.00208	-.00435	.01352	.00246	.00169	.00141

RUN NO. 2006/ 0 RN/L = 11.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPBI
1.099	-7.070	2.35710	.76170	.12230	.05420	.17660	-.05250	-.00900	.00500	-.39150
1.099	-5.890	2.27890	.76910	.11760	.05510	.17280	-.03530	-.00600	.00740	-.39060
1.099	-4.810	2.21360	.77620	.11310	.05360	.16870	-.01870	-.00310	.01000	-.38750
1.099	-3.790	2.18460	.78020	.11110	.05590	.16710	-.00410	-.00040	.01220	-.38420
1.099	-2.670	2.14790	.79110	.10860	.05670	.16540	.01210	.00250	.01450	-.37720
1.099	-1.640	2.11590	.77470	.10670	.05560	.16230	.02800	.00550	.01640	-.37200
1.099	-.620	2.07980	.71970	.10430	.05160	.15600	.04320	.00840	.01780	-.36970
1.099	.590	2.00930	.63400	.09990	.04550	.14540	.05840	.01120	.01920	-.36480
1.099	1.400	1.92330	.54210	.09480	.03900	.13380	.07210	.01370	.02040	-.36110
1.099	2.310	1.83720	.43350	.08960	.03120	.12080	.08680	.01640	.02170	-.35010
1.099	3.520	1.72920	.33550	.08370	.02430	.10800	.09920	.01860	.02280	-.35940
1.099	4.620	1.64310	.22730	.07870	.01640	.09510	.11160	.02090	.02370	-.36120
1.099	5.730	1.53900	.13470	.07310	.00970	.08290	.12330	.02290	.02460	-.36810
1.099	6.830	1.45260	.06720	.06870	.00490	.07370	.13280	.02460	.02580	-.37850
	GRADIENT	-.06116	-.06172	-.00370	-.00440	-.00211	.01404	.00259	.00143	.00310

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFK05) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 CLV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 2008/ 0 RN/L = 11.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPBI
1.269	-7.010	2.67090	.69940	.14120	.04790	.18920	-.02990	-.00520	.00540	-.33530
1.269	-5.750	2.61370	.62390	.13690	.04280	.17980	-.00930	-.00140	.00670	-.33460
1.269	-4.660	2.56840	.54240	.13360	.03730	.17100	.00800	.00170	.00810	-.32950
1.269	-3.630	2.51730	.45320	.12970	.03110	.16090	.02400	.00470	.00950	-.32270
1.269	-2.600	2.47560	.36170	.12650	.02420	.15070	.04020	.00760	.01110	-.31790
1.269	-1.570	2.42730	.26060	.12310	.01790	.14100	.05540	.01030	.01260	-.31770
1.269	-.550	2.39030	.18530	.12050	.01270	.13320	.06960	.01280	.01440	-.31810
1.269	.450	2.37120	.11700	.11930	.00800	.12740	.08150	.01500	.01600	-.31640
1.269	1.560	2.32770	.05150	.11640	.00350	.11990	.09320	.01710	.01740	-.31480
1.269	2.670	2.26500	-.00270	.11220	-.00030	.11180	.10410	.01900	.01890	-.31090
1.269	3.780	2.18750	-.03200	.10730	-.00440	.10290	.11490	.02100	.02010	-.30760
1.269	4.890	2.08970	-.06000	.10120	-.00830	.09290	.12570	.02300	.02120	-.30630
1.269	5.990	1.98210	-.08950	.09470	-.01240	.08230	.13620	.02500	.02210	-.30310
1.269	7.070	1.84150	-.11310	.08660	-.01570	.07090	.14560	.02670	.02290	-.30220
1.269	GRADIENT	-.04590	-.06446	-.00311	-.00474	-.00786	.01225	.00220	.00141	.00206

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFK06) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 2009/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPB1
1.062	-6.490	1.17950	.48210	.08720	.05660	.14390	-.02420	-.00440	.01070	-.45700
1.062	-5.470	1.13770	.48110	.08370	.05643	.14010	-.00510	-.00100	.01330	-.44840
1.062	-4.460	1.09310	.48410	.08000	.05670	.13670	.01290	.00240	.01540	-.44480
1.062	-3.400	1.06440	.48970	.07760	.05730	.13490	.03190	.00600	.01750	-.44190
1.062	-2.330	1.03190	.49370	.07480	.05760	.13250	.05060	.00940	.01930	-.43450
1.062	-1.350	1.00220	.49400	.07250	.05770	.13030	.06720	.01240	.02100	-.43100
1.062	-.370	.92920	.48640	.06680	.05680	.12360	.08340	.01520	.02260	-.42700
1.062	.590	.87620	.47600	.06270	.05560	.11830	.09760	.01780	.02390	-.42280
1.062	1.560	.84010	.45910	.05990	.05370	.11110	.11110	.02010	.02510	-.42370
1.062	2.520	.79290	.42490	.05630	.04970	.10610	.12440	.02230	.02660	-.42480
1.062	3.490	.74830	.38360	.05300	.04490	.09790	.13690	.02440	.02810	-.42390
1.062	4.540	.67730	.33680	.04780	.03950	.08740	.14830	.02630	.02940	-.42780
1.062	5.600	.62870	.29610	.04430	.03480	.07910	.16000	.02930	.03060	-.43380
1.062	6.740	.59780	.24950	.04130	.02940	.07070	.16990	.02990	.03190	-.44310
GRADIENT		-.04707	-.01541	-.00365	-.00179	-.00544	.01514	.00266	.00154	.00220

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

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IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKCO7) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 EDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 2011/ 0 RN/L = 11.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CMW	CBW	CTW	CPB1
.990	-6.890	.87020	.52510	.04120	.04060	.08190	-.03340	-.00620	.00740	-.43160
.990	-5.720	.67730	.44260	.03220	.03500	.06720	-.01660	-.00320	.01000	-.42700
.990	-4.670	.59220	.40820	.02800	.03230	.06030	.00100	.00000	.01200	-.42460
.990	-3.570	.55620	.43100	.02600	.03380	.05980	.01930	.00330	.01500	-.42590
.990	-2.560	.50580	.43320	.02360	.03400	.05770	.03660	.00660	.01720	-.42110
.990	-1.540	.44600	.41500	.02080	.03290	.05380	.05370	.00960	.01920	-.41110
.990	-.530	.40650	.40840	.01890	.03230	.05120	.06960	.01250	.02130	-.40840
.990	.460	.38960	.40490	.01810	.03220	.05010	.08430	.01520	.02370	-.40000
.990	1.450	.40840	.41150	.01900	.03250	.05150	.09750	.01730	.02630	-.40040
.990	2.440	.39150	.40130	.01820	.03180	.05010	.11000	.01930	.02840	-.39010
.990	3.530	.36800	.37270	.01720	.02970	.04690	.12090	.02100	.03050	-.38350
.990	4.710	.40190	.36970	.01880	.02930	.04810	.13010	.02230	.03270	-.39000
.990	5.800	.40660	.34590	.01880	.02760	.04640	.14300	.02460	.03400	-.39130
.990	6.880	.35800	.30340	.01730	.02440	.04170	.15400	.02650	.03460	-.36020
.990	GRADIENT	-.02198	-.00550	-.00105	-.00040	-.00145	.01409	.00244	.00221	.00473

RUN NO. 2010/ 0 RN/L = 11.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CMW	CBW	CTW	CPB1
1.100	-7.000	1.85000	.73990	.08920	.05260	.14190	-.02430	-.00450	.00860	-.41860
1.100	-5.830	1.70010	.72700	.08110	.05290	.13320	-.00170	-.00040	.01140	-.42150
1.100	-4.660	1.61280	.72730	.07610	.05210	.12820	.02090	.00370	.01390	-.42220
1.100	-3.540	1.57450	.74020	.07400	.05300	.12710	.04020	.00740	.01600	-.41820
1.100	-2.510	1.53790	.74910	.07190	.05360	.12590	.05670	.01050	.01770	-.41810
1.100	-1.480	1.48740	.75010	.06940	.05380	.12320	.07360	.01350	.01990	-.41380
1.100	-.450	1.41330	.74500	.06540	.05340	.11880	.08920	.01630	.02160	-.41200
1.100	.560	1.29900	.72680	.05940	.05220	.11160	.10400	.01890	.02320	-.40910
1.100	1.570	1.25830	.69640	.05740	.05000	.10740	.11770	.02120	.02470	-.40880
1.100	2.660	1.19420	.63860	.05420	.04590	.10020	.13190	.02360	.02660	-.40990
1.100	3.680	1.12000	.56840	.05060	.04100	.09160	.14310	.02550	.02810	-.41160
1.100	4.790	1.00960	.49070	.04520	.03550	.08070	.15480	.02760	.02950	-.41550
1.100	5.880	.93100	.41780	.04150	.03030	.07190	.16630	.02940	.03090	-.42120
1.100	GRADIENT	-.06480	-.02371	-.00333	-.00166	-.00499	.01425	.00252	.00166	.00096

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

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IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKCO7) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 2012/ 0 RN/L = 11.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPBI
1.269	-6.980	2.39190	.72120	.12030	.04950	.16980	-.01280	-.00230	.00000	-.35640
1.269	-5.860	2.31410	.72550	.11520	.04990	.16520	.00730	.00130	.00120	-.35370
1.269	-4.770	2.25720	.73440	.11130	.05050	.16180	.02530	.00460	.00270	-.34970
1.269	-3.540	2.20350	.74500	.10780	.05120	.15910	.04680	.00840	.00500	-.34710
1.269	-2.410	2.14960	.74220	.10460	.04990	.15450	.06520	.01160	.00750	-.34570
1.269	-1.380	2.11160	.68240	.10210	.04700	.14910	.08110	.01440	.00970	-.34540
1.269	-.350	2.05620	.61050	.09870	.04200	.14080	.09590	.01700	.01190	-.34470
1.269	.660	1.95560	.50490	.09260	.03480	.12740	.11010	.01940	.01400	-.34570
1.269	1.680	1.87280	.41650	.08790	.02870	.11660	.12300	.02170	.01610	-.34480
1.269	2.790	1.78050	.32110	.08270	.02210	.10490	.13600	.02400	.01810	-.34230
1.269	3.890	1.69420	.22830	.07790	.01570	.09370	.14810	.02500	.02000	-.34110
1.269	5.000	1.57660	.15110	.07160	.01040	.08200	.15850	.02780	.02170	-.34130
1.269	6.100	1.47050	.08080	.06600	.00560	.07160	.16910	.02960	.02320	-.34320
	GRADIENT	-.07007	-.06669	-.00411	-.00459	-.00870	.01364	.00238	.00199	.00077

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKCOB) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BOFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 2013/ 0 RN/L = 6.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPB1
1.061	-6.540	2.01060	.51930	.16220	.06050	.22270	-.08070	-.01200	-.00160	-.30780
1.061	-5.490	1.94910	.51600	.15570	.06000	.21570	-.05010	-.00820	.00450	-.42990
1.061	-4.490	1.89720	.49200	.15030	.05710	.20750	-.03930	-.00600	.00620	-.42190
1.061	-3.430	1.84770	.43930	.14530	.05090	.19630	-.02490	-.00380	.00820	-.41580
1.061	-2.370	1.78100	.37350	.13880	.04330	.18210	-.01170	-.00150	.01010	-.41130
1.061	-1.400	1.74250	.30750	.13520	.03560	.17090	.00010	.00050	.01160	-.40770
1.061	-.350	1.68470	.24020	.12980	.02780	.15760	.01210	.00260	.01310	-.40480
1.061	.630	1.62900	.17820	.12480	.02050	.14550	.02740	.00510	.01550	-.40400
1.061	1.680	1.56060	.11700	.11860	.01350	.13210	.04140	.00780	.01690	-.40330
1.061	2.730	1.46950	.07580	.11060	.00870	.11940	.05520	.01040	.01820	-.40460
1.061	3.790	1.38750	.03890	.10370	.00450	.10820	.06920	.01290	.01920	-.40550
1.061	4.840	1.32150	.00450	.09830	.00050	.09980	.07950	.01500	.01980	-.41010
1.061	5.980	1.29520	-.00990	.09620	-.00230	.09390	.08980	.01710	.02050	-.41720
1.061	6.970	1.29030	-.03100	.09600	-.00720	.08880	.09820	.01870	.02100	-.42320
	GRADIENT	-.06208	-.05466	-.00561	-.00634	-.01196	.01282	.00229	.00152	.00132

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFK09) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 2015/ 0 RN/L = 10.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPBI
.996	-6.810	2.12850	.71990	.11500	.05520	.17030	-.35810	-.01000	-.00070	-.40030
.996	-5.680	1.96010	.66820	.10490	.05190	.15690	-.04480	-.00770	.00050	-.39850
.996	-4.630	1.87930	.64590	.09940	.05020	.14960	-.03260	-.00540	.00220	-.39550
.996	-3.520	1.78780	.61580	.09360	.04790	.14150	-.01950	-.00310	.00400	-.39140
.996	-2.420	1.68870	.56690	.08730	.04400	.13140	-.00610	-.00070	.00620	-.37620
.996	-1.410	1.61640	.50940	.08310	.03960	.12270	.00640	.00130	.00840	-.37960
.996	-.390	1.59090	.46920	.08160	.03650	.11820	.01860	.00340	.01040	-.37100
.996	.610	1.56320	.44080	.08090	.03430	.11520	.03130	.00520	.01230	-.37040
.996	1.610	1.57960	.40640	.08110	.03170	.11290	.04370	.00780	.01400	-.36840
.996	2.600	1.57250	.35780	.08090	.02800	.10900	.05660	.01010	.01560	-.36260
.996	3.610	1.59090	.29630	.08200	.02320	.10530	.06900	.01250	.01700	-.36110
.996	4.800	1.64260	.20120	.08550	.01580	.10130	.08260	.01500	.01860	-.35890
.996	5.890	1.65020	.12280	.08630	.00970	.09600	.09570	.01730	.02030	-.35550
.996	6.970	1.56830	-.06870	.08140	.00540	.08680	.10680	.01940	.02160	-.34790
GRADIENT		-.02490	-.04489	-.00145	-.00347	-.00491	.01232	.00217	.00179	.00290

RUN NO. 2014/ 0 RN/L = 11.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPBI
1.089	-6.940	2.81270	.78580	.15890	.05580	.21480	-.06600	-.01090	.00220	-.41750
1.089	-5.800	2.73510	.78860	.15300	.05640	.20950	-.05290	-.00850	.00370	-.41740
1.089	-4.720	2.66010	.74700	.14670	.05350	.20620	-.03910	-.00620	.00550	-.41130
1.089	-3.600	2.59940	.64700	.14160	.04630	.18800	-.02650	-.00380	.00740	-.40750
1.089	-2.480	2.53330	.52940	.13620	.03790	.17420	-.01310	-.00150	.00920	-.40330
1.089	-1.450	2.44440	.42390	.12980	.03040	.16030	-.00070	.00050	.01090	-.40040
1.089	-.420	2.38220	.32900	.12520	.02360	.14880	.01320	.00270	.01290	-.39800
1.089	.600	2.29960	.23790	.11930	.01710	.13640	.02740	.00510	.01480	-.39920
1.089	1.600	2.23570	.15920	.11510	.01140	.12650	.04090	.00760	.01650	-.40090
1.089	2.720	2.09850	.09550	.10610	.00680	.11300	.05570	.01040	.01780	-.40040
1.089	3.930	1.99160	.04270	.09960	.00300	.10270	.06960	.01320	.01890	-.40320
1.089	5.030	1.90930	-.00570	.09460	-.00090	.09370	.08120	.01540	.01970	-.40910
1.089	6.130	1.89860	-.02510	.09410	-.00360	.09040	.09130	.01740	.02030	-.41150
GRADIENT		-.07716	-.08454	-.00545	-.00606	-.01151	.01281	.00224	.00162	.00093

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TABULATED SOURCE DATA - IA141.

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IA141 04 T4 S7 .0055 GRIT ON WING,BODY AND VERT

(AFKC09) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUUNDER = .000
 RN/L = 11.500

RUN NO. 2016/ 0 RN/L = 11.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPBI
1.256	-6.980	2.74410	.37200	.14760	.02550	.17320	-.05500	-.00910	.00600	-.33380
1.256	-5.720	2.68520	.24770	.14250	.01700	.15960	-.03940	-.00600	.00720	-.32960
1.256	-4.610	2.63120	.16120	.13830	.01100	.14940	-.02390	-.00320	.00850	-.32570
1.256	-3.560	2.57760	.09200	.13410	.00630	.14050	-.01010	-.00070	.00970	-.32320
1.256	-2.530	2.51690	.03910	.12950	.00260	.13220	.00440	.00180	.01110	-.32180
1.256	-1.510	2.43980	-.00780	.12400	-.00100	.12290	.01950	.00420	.01250	-.32190
1.256	-.390	2.34240	-.03900	.11710	-.00530	.11170	.03300	.00380	.01390	-.32160
1.256	.620	2.24930	-.06200	.11070	-.00850	.10220	.04600	.00910	.01510	-.32350
1.256	1.640	2.15350	-.08690	.10470	-.01190	.09270	.05810	.01130	.01610	-.32510
1.256	2.750	2.05660	-.11450	.09750	-.01570	.08170	.06930	.01340	.01670	-.32940
1.256	3.850	1.91440	-.13260	.09030	-.01820	.07200	.07940	.01530	.01730	-.32970
1.256	4.950	1.79110	-.14490	.08310	-.01990	.06310	.08790	.01700	.01770	-.33360
1.256	6.040	1.67820	-.15980	.07690	-.02200	.05480	.09710	.01860	.01830	-.33700
1.256	GRADIENT	-.09911	-.03057	-.00568	-.00330	-.00921	.01194	.00215	.00101	-.00097

IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFK10) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .008 RUDDER = .000
 RN/L = 7.000

RUN NO. 2019/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPBI
.955	-6.390	10.66360	10.43390	.03430	-.00020	.03400	-.00880	-.00140	-.00900	-.36120
.955	-5.220	10.66150	10.45090	.03410	.00200	.03610	.00360	.00090	-.00670	-.37130
.955	-4.210	10.64720	10.46120	.03290	.00330	.03620	.01340	.00290	-.00480	-.36580
.955	-3.150	10.58670	10.46070	.02830	.00320	.03150	.02520	.00510	-.00260	-.36040
.955	-2.190	10.54310	10.44430	.02490	.00110	.02610	.03600	.00710	-.00050	-.35890
.955	-1.220	10.45490	10.42850	.01830	-.00160	.01670	.04820	.00920	.00140	-.35050
.955	-.250	10.39040	10.41680	.01360	-.00450	.00900	.05990	.01130	.00340	-.34920
.955	.710	10.30670	10.40360	.00740	-.00760	-.00030	.07190	.01350	.00530	-.34860
.955	1.660	10.21240	10.37420	.00060	-.01520	-.01450	.08350	.01550	.00690	-.34030
.955	2.710	10.18300	10.32550	-.00440	-.02750	-.03190	.09760	.01810	.00880	-.33430
.955	3.760	10.17140	10.27910	-.00700	-.03920	-.04630	.11200	.02080	.01070	-.32970
.955	4.820	10.16590	10.24780	-.00830	-.04720	-.05550	.12490	.02330	.01220	-.32720
.955	5.860	10.17100	10.22540	-.00710	-.05290	-.06010	.13790	.02570	.01390	-.31630
.955	6.890	10.15700	10.21030	-.01030	-.05700	-.06730	.14860	.02780	.01530	-.31160
	GRADIENT	-.05994	-.02428	-.00502	-.00576	-.01078	.01244	.00226	.00190	.00438

RUN NO. 2018/ 0 RN/L = 7.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPBI
1.060	-6.470	10.78320	10.41400	.04030	-.00480	.03540	-.02730	-.00390	-.00580	-.44870
1.060	-5.450	10.70030	10.41920	.03420	-.00360	.03050	-.01570	-.00170	-.00430	-.43770
1.060	-4.450	10.62110	10.41550	.02850	-.00450	.02400	-.00480	.00030	-.00280	-.43280
1.060	-3.380	10.57500	10.40630	.02530	-.00660	.01860	.00690	.00260	-.00110	-.42890
1.060	-2.310	10.52150	10.37760	.02150	-.01320	.00820	.02110	.00500	.00100	-.42410
1.060	-1.330	10.46540	10.35300	.01760	-.01890	-.00120	.03320	.00710	.00300	-.42290
1.060	-.360	10.40540	10.33460	.01350	-.02310	-.00960	.04650	.00930	.00490	-.42230
1.060	.610	10.35550	10.31850	.01010	-.02690	-.01670	.05980	.01170	.00680	-.42280
1.060	1.660	10.32750	10.29990	.00830	-.03120	-.02290	.07440	.01440	.00860	-.41930
1.060	2.720	10.30020	10.28720	.00640	-.03420	-.02770	.08820	.01700	.01000	-.42100
1.060	3.690	10.27780	10.27260	.00490	-.03760	-.03260	.09970	.01920	.01120	-.42410
1.060	4.840	10.21830	10.24610	.00100	-.04380	-.04280	.11140	.02140	.01250	-.42810
1.060	5.890	10.18670	10.21130	-.00330	-.05210	-.05540	.12040	.02310	.01340	-.43420
1.060	6.830	10.15540	10.17730	-.00980	-.06010	-.07000	.12820	.02470	.01390	-.44110
	GRADIENT	-.04322	-.01835	-.00295	-.00426	-.00720	.01288	.00232	.00171	.00060

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DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKC10) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 2017/ 0 RN/L = 7.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTH	CPBI
1.262	-6.490	10.85500	10.32550	.04170	-.02330	.01840	-.02190	-.00280	-.00170	-.34570
1.262	-5.450	10.79780	10.29920	.03790	-.02900	.00690	-.00750	-.00010	-.00040	-.33920
1.262	-4.420	10.73280	10.27510	.03350	-.03410	-.00040	.00610	.00250	.00060	-.33780
1.262	-3.440	10.66900	10.25480	.02940	-.03840	-.00900	.01990	.00500	.00180	-.33820
1.262	-2.460	10.60740	10.23850	.02540	-.04190	-.01650	.03330	.00750	.00290	-.33550
1.262	-1.480	10.55000	10.22020	.02170	-.04580	-.02410	.04590	.00990	.00450	-.33250
1.262	-.500	10.48790	10.20430	.01770	-.04910	-.03130	.06010	.01210	.00620	-.32920
1.262	.470	10.42660	10.19410	.01380	-.05140	-.03750	.07210	.01420	.00750	-.32870
1.262	1.450	10.36690	10.18280	.01010	-.05380	-.04370	.08330	.01620	.00860	-.33030
1.262	2.610	10.27060	10.17170	.00410	-.05620	-.05210	.09540	.01840	.00960	-.33450
1.262	3.670	10.19650	10.16030	-.00120	-.05870	-.05990	.10470	.02010	.01040	-.33150
1.262	4.730	10.17270	10.14760	-.00570	-.06140	-.06710	.11290	.02170	.01100	-.33680
1.262	5.780	10.17570	10.13130	-.06490	-.06490	-.06990	.12100	.02310	.01180	-.33910
1.262	6.820	10.14740	10.11950	-.01050	-.06750	-.07800	.12980	.02470	.01280	-.34700
1.262	GRADIENT	-.06366	-.01351	-.00427	-.00290	-.00717	.01185	.00211	.00120	.00038

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TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING, BODY AND VERT

(AFKC11) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 2020/ 0 RN/L = 11.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPBI
.998	-6.810	10.54510	10.41280	.01530	-.00330	.01190	-.02610	-.00390	-.00920	-.39360
.998	-5.640	10.79050	10.42170	.02710	-.00200	.02510	-.01110	-.00130	-.00750	-.40020
.998	-4.580	10.86290	10.43110	.03060	-.00050	.03000	.00110	.00090	-.00570	-.39890
.998	-3.480	10.85300	10.43290	.03010	-.00030	.02990	.01310	.00320	-.00360	-.39050
.998	-2.370	10.80050	10.42520	.02760	-.00150	.02610	.02710	.00560	-.00100	-.38760
.998	-1.360	10.72200	10.40860	.02390	-.00400	.01970	.03970	.00780	.00130	-.38240
.998	-.340	10.64170	10.39450	.02000	-.00620	.01370	.05210	.01000	.00340	-.37710
.998	.670	10.50470	10.37010	.01360	-.01000	.00360	.06500	.01230	.00540	-.37340
.998	1.760	10.29230	10.32940	.00390	-.01630	-.01240	.07920	.01490	.00730	-.37020
.998	2.860	10.17700	10.27360	-.00350	-.02510	-.02870	.09290	.01740	.00940	-.36750
.998	3.960	10.14010	10.20050	-.00870	-.03650	-.04530	.10570	.01990	.01080	-.36550
.998	5.050	10.11720	10.14430	-.01190	-.04550	-.05740	.11830	.02240	.01220	-.36120
.998	6.140	10.07590	10.09110	-.01760	-.05380	-.07150	.13150	.02490	.01360	-.35720
	GRADIENT	-.09688	-.02578	-.00497	-.00401	-.00899	.01240	.00223	.00198	.00388

RUN NO. 2021/ 0 RN/L = 11.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPBI
1.094	-6.950	11.22500	10.42080	.04520	-.00200	.04320	-.03430	-.00500	-.00560	-.41800
1.094	-5.860	11.04220	10.42720	.03670	-.00110	.03560	-.02070	-.00260	-.00380	-.40960
1.094	-4.810	10.92330	10.41250	.03120	-.00320	.02790	-.00860	-.00030	-.00210	-.40690
1.094	-3.690	10.85500	10.36490	.02800	-.01000	.01800	.00440	.00200	-.00030	-.40340
1.094	-2.570	10.76440	10.31600	.02400	-.01700	.00690	.01840	.00440	.00170	-.40150
1.094	-1.540	10.66770	10.28110	.01970	-.02200	-.00230	.03140	.00660	.00370	-.39940
1.094	-.520	10.58120	10.25190	.01590	-.02620	-.01030	.04480	.00680	.00560	-.40280
1.094	.490	10.50260	10.22720	.01250	-.02980	-.01720	.05880	.01120	.00770	-.40570
1.094	1.590	10.41530	10.20190	.00880	-.03350	-.02470	.07370	.01410	.00930	-.40310
1.094	2.700	10.34620	10.18100	.00590	-.03650	-.03050	.08780	.01670	.01080	-.40210
1.094	3.910	10.26480	10.14910	.00250	-.04130	-.03870	.10180	.01950	.01210	-.40990
1.094	5.010	10.18760	10.12280	-.00190	-.04500	-.04720	.11220	.02160	.01320	-.41370
1.094	6.110	10.16100	10.07990	-.00540	-.05140	-.05680	.12190	.02350	.01400	-.41860
1.094	7.140	10.13920	10.02990	-.00820	-.05900	-.06730	.13280	.02560	.01500	-.42910
	GRADIENT	-.07793	-.02929	-.00339	-.00423	-.00760	.01288	.00229	.00169	-.00028

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKC11) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 2022/ 0 RN/L = 11.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHE1	CHEO	CHET	CNW	CBN	CTW	CPBI
1.267	-7.000	11.13050	10.28010	.03910	-.02120	.01780	-.02660	-.00400	-.00110	-.35290
1.267	-5.900	11.04090	10.23830	.03510	-.02700	.00810	-.01280	-.00130	-.00010	-.34460
1.267	-4.810	10.95450	10.19540	.03130	-.03290	-.00160	.00200	.00130	.00110	-.34190
1.267	-3.680	10.85230	10.15330	.02670	-.03860	-.01190	.01750	.00420	.00260	-.34150
1.267	-2.450	10.73610	10.12110	.02170	-.04310	-.02130	.03430	.00730	.00410	-.33790
1.267	-1.430	10.65610	10.09760	.01940	-.04640	-.02800	.04790	.00970	.00570	-.33540
1.267	-.310	10.56600	10.07610	.01460	-.04930	-.03470	.06240	.01230	.00740	-.33420
1.267	.710	10.48650	10.05730	.01130	-.05190	-.04050	.07450	.01440	.00870	-.33360
1.267	1.810	10.38330	10.03830	.00710	-.05450	-.04740	.08680	.01670	.00980	-.33520
1.267	2.920	10.25320	10.02250	.00190	-.05680	-.05480	.09790	.01870	.01080	-.33630
1.267	4.030	10.17670	10.00360	-.00320	-.05940	-.06260	.10710	.02050	.01150	-.33650
1.267	5.120	10.14790	9.98260	-.00670	-.06240	-.06920	.11510	.02210	.01210	-.33970
1.267	6.210	10.15590	9.96080	-.00570	-.06550	-.07130	.12330	.02350	.01300	-.34630
1.267	GRADIENT	-.08789	-.02078	-.00378	-.00287	-.00665	.01206	.00219	.00122	.00068

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 CT .0065 GRIT ON HING.BODY AND VERT

(AFKC12) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SC/LE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 2025/ 0 RN/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPB1
.957	-6.420	10.12680	10.38980	-.01720	-.01140	-.02660	.01130	.00190	-.00210	-.38790
.957	-5.280	10.13480	10.39730	-.01540	-.00950	-.02500	.03040	.00520	.00160	-.38590
.957	-4.290	10.13250	10.40050	-.01580	-.00870	-.02460	.04520	.00800	.00430	-.39020
.957	-3.250	10.13250	10.40440	-.01580	-.00770	-.02360	.06160	.01100	.00700	-.38870
.957	-2.280	10.13100	10.40270	-.01620	-.00810	-.02440	.07680	.01390	.00930	-.38580
.957	-1.320	10.12880	10.39760	-.01670	-.00940	-.02620	.09300	.01690	.01150	-.37780
.957	-.360	10.12390	10.38980	-.01780	-.01140	-.02920	.10760	.01940	.01350	-.36590
.957	.600	10.12120	10.37790	-.01840	-.01440	-.03290	.12350	.02220	.01560	-.35920
.957	1.640	10.11520	10.36350	-.01970	-.01810	-.03790	.13960	.02500	.01760	-.35350
.957	2.690	10.11500	10.35220	-.01980	-.02100	-.04080	.15430	.02730	.01980	-.34480
.957	3.730	10.11370	10.34270	-.02020	-.02350	-.04370	.16840	.02970	.02140	-.33820
.957	4.780	10.10970	10.32740	-.02110	-.02740	-.04850	.18140	.03200	.02320	-.32000
.957	5.820	10.10940	10.31020	-.02120	-.03190	-.05310	.19230	.03380	.02470	-.30940
.957										
	GRADIENT	-.00278	-.00884	-.00064	-.00226	-.00289	.01523	.00257	.00208	.00770

RUN NO. 2024/ 0 RN/L = 6.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPB1
1.058	-6.520	10.21970	10.40470	.00110	-.00700	-.00590	.01480	.00280	-.00020	-.47180
1.058	-5.430	10.19340	10.40220	-.00190	-.00760	-.00960	.03600	.00650	.00300	-.46230
1.058	-4.430	10.18140	10.40390	-.00440	-.00720	-.01160	.05410	.00990	.00550	-.45720
1.058	-3.370	10.16740	10.40850	-.00730	-.00620	-.01350	.07180	.01330	.00770	-.44890
1.058	-2.310	10.14760	10.40970	-.01140	-.00580	-.01730	.09000	.01670	.00980	-.43900
1.058	-1.250	10.13210	10.40580	-.01460	-.00670	-.02140	.10690	.01970	.01190	-.43440
1.058	-.280	10.12490	10.39990	-.01610	-.00810	-.02430	.12180	.02220	.01380	-.43090
1.058	.680	10.11880	10.39250	-.01740	-.00980	-.02720	.13480	.02450	.01530	-.42920
1.058	1.750	10.11770	10.37990	-.01760	-.01280	-.03040	.14860	.02680	.01710	-.42800
1.058	2.780	10.11850	10.36630	-.01740	-.01600	-.03350	.16210	.02910	.01900	-.42830
1.058	3.840	10.12010	10.35440	-.01720	-.01980	-.03600	.17440	.03110	.02080	-.43030
1.058	4.980	10.11630	10.34020	-.01800	-.02210	-.04010	.18680	.03330	.02220	-.43160
1.058	5.990	10.11540	10.32920	-.01820	-.02480	-.04300	.19880	.03550	.02320	-.43760
1.058										
	GRADIENT	-.00651	-.00736	-.00136	-.00172	-.00308	.01412	.00247	.00179	.00254

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFK12) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 2023/ 0 RN/L = 7.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPBI
1.262	-6.570	10.72600	10.41640	.03320	-.00390	.02920	.02100	.00380	-.00670	-.36680
1.262	-5.510	10.69080	10.41690	.03080	-.00380	.02700	.03920	.00720	-.00530	-.36180
1.262	-4.480	10.66020	10.42610	.02890	-.00190	.02700	.05660	.01040	-.00370	-.35940
1.262	-3.420	10.62390	10.42690	.02650	-.00170	.02480	.07460	.01360	-.00160	-.35670
1.262	-2.250	10.57080	10.41250	.02300	-.00480	.01920	.09380	.01690	.00080	-.35390
1.262	-1.270	10.53820	10.39630	.02100	-.00820	.01270	.10860	.01950	.00310	-.35090
1.262	-.290	10.49770	10.37620	.01830	-.01250	.00570	.12260	.02190	.00530	-.34790
1.262	.670	10.44570	10.35690	.01500	-.01670	-.00160	.13540	.02410	.00740	-.34600
1.262	1.730	10.39260	10.33450	.01170	-.02140	-.00970	.14910	.02640	.00970	-.34520
1.262	2.790	10.34260	10.31110	.00860	-.02650	-.01780	.16070	.02840	.01170	-.34170
1.262	3.850	10.27850	10.29150	.00460	-.03070	-.02600	.17220	.03030	.01360	-.34050
1.262	4.910	10.21970	10.27600	.00100	-.03490	-.03300	.18280	.03220	.01540	-.33850
1.262	5.950	10.18920	10.26460	-.00260	-.03650	-.03910	.19260	.03390	.01690	-.34120
1.262	GRADIENT	-.04697	-.01763	-.00299	-.00377	-.00674	.01341	.00231	.00208	.00224

1A141 04 T4 S7 .0065 GRIT ON WING, BODY AND VERT

(AFK13) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 2026/ 0 RN/L = 11.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPB1
.989	-6.770	10.02100	10.36120	-.02510	-.01140	-.03650	.00960	.00150	-.00270	-.42300
.989	-5.630	10.03790	10.36210	-.02290	-.01140	-.03430	.02750	.00460	.00060	-.41650
.989	-4.580	10.04790	10.36850	-.02150	-.01040	-.03190	.04270	.00750	.00320	-.41270
.989	-3.490	10.04540	10.37480	-.02190	-.00940	-.03130	.06040	.01090	.00639	-.41130
.989	-2.270	10.05540	10.37750	-.02050	-.00910	-.02960	.07970	.01450	.00930	-.41140
.989	-1.260	10.06190	10.37190	-.01960	-.00980	-.02950	.09560	.01750	.01170	-.40510
.989	-.250	10.06630	10.36240	-.01900	-.01130	-.03040	.11130	.02020	.01420	-.40090
.989	.730	10.05970	10.34430	-.02000	-.01420	-.03420	.12640	.02290	.01610	-.39110
.989	1.810	10.05940	10.32070	-.02000	-.01790	-.03800	.14140	.02540	.01820	-.38380
.989	2.910	10.04740	10.30150	-.02170	-.02100	-.04270	.15630	.02790	.02000	-.38310
.989	4.000	10.04170	10.28260	-.02260	-.02400	-.04670	.17090	.03040	.02170	-.36770
.989	5.070	10.04340	10.25970	-.02250	-.02780	-.05030	.18390	.03260	.02310	-.35260
.989	6.160	10.04050	10.23060	-.02300	-.03260	-.05560	.19580	.03470	.02440	-.33610
	GRADIENT	-.00019	-.01100	-.00005	-.00174	-.00179	.01500	.00267	.00216	.00522

RUN NO. 2027/ 0 RN/L = 11.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPB1
1.094	-6.920	10.45060	10.39400	.01020	-.00580	.00440	.01220	.00200	-.00110	-.42850
1.094	-5.750	10.33620	10.38720	.00540	-.00670	-.00130	.03600	.00640	.00170	-.43450
1.094	-4.640	10.27640	10.38770	.00290	-.00670	-.00370	.05710	.01040	.00430	-.43770
1.094	-3.580	10.21760	10.39490	.00050	-.00560	-.00510	.07530	.01390	.00670	-.43690
1.094	-2.540	10.17250	10.40050	-.00380	-.00480	-.00870	.09200	.01710	.00880	-.42940
1.094	-1.500	10.13140	10.39780	-.00900	-.00520	-.01430	.10850	.02000	.01090	-.42300
1.094	-.470	10.10450	10.39330	-.01240	-.00590	-.01830	.12420	.02280	.01300	-.41850
1.094	.550	10.08430	10.38640	-.01500	-.00690	-.02190	.13900	.02530	.01480	-.41920
1.094	1.590	10.07100	10.36570	-.01670	-.00980	-.02650	.15190	.02760	.01660	-.41500
1.094	2.600	10.06480	10.34210	-.01750	-.01320	-.03080	.16420	.02960	.01850	-.41540
1.094	3.620	10.05450	10.31810	-.01880	-.01670	-.03560	.17540	.03140	.02020	-.41550
1.094	4.720	10.04770	10.29310	-.01990	-.02030	-.04010	.18630	.03330	.02180	-.41810
1.094	5.830	10.04590	10.27090	-.02000	-.02360	-.04360	.19990	.03570	.02290	-.42300
1.094	6.800	10.05570	10.25010	-.01890	-.02660	-.04550	.20940	.03780	.02340	-.42690
	GRADIENT	-.02311	-.01045	-.00254	-.00150	-.00405	01389	.00244	.00187	.00246

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

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IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKC13) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 2028/ 0 RN/L = 11.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPBI
1.270	-7.010	11.00040	10.40980	.03290	-.00340	.02950	.01440	.00250	-.00800	-.37240
1.270	-5.910	10.96620	10.41210	.03140	-.00310	.02830	.03280	.00600	-.00670	-.37090
1.270	-4.820	10.92070	10.42430	.02940	-.00140	.02790	.05110	.00940	-.00520	-.36840
1.270	-3.580	10.83310	10.42540	.02560	-.00120	.02430	.07200	.01330	-.00310	-.36530
1.270	-2.540	10.75630	10.40830	.02240	-.00360	.01870	.08970	.01630	-.00090	-.36080
1.270	-1.500	10.69620	10.38610	.01980	-.00660	.01320	.10550	.01920	.00150	-.35740
1.270	-.470	10.65400	10.35780	.01810	-.01040	.00760	.12050	.02170	.00390	-.35470
1.270	.550	10.57630	10.32750	.01490	-.01460	.00020	.13540	.02420	.00650	-.35310
1.270	1.560	10.50750	10.29290	.01210	-.01930	-.00720	.14780	.02630	.00880	-.35180
1.270	2.660	10.43440	10.25610	.00910	-.02430	-.01520	.16030	.02830	.01120	-.34750
1.270	3.770	10.33540	10.22160	.00520	-.02900	-.02380	.17210	.03030	.01340	-.34550
1.270	4.880	10.23580	10.19600	.00120	-.03260	-.03130	.18280	.03230	.01510	-.34380
1.270	5.980	10.18130	10.17370	-.00250	-.03570	-.03830	.19360	.03420	.01680	-.34270
1.270	7.010	10.14940	10.15740	-.00650	-.03800	-.04450	.20210	.03580	.01780	-.34210
1.270	GRADIENT	-.06808	-.02598	-.00280	-.00355	-.00633	.01363	.00234	.00219	.00254

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFK14) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 4.500

RUN NO. 2036/ 0 RN/L = 4.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPBI
.595	-6.100	10.25250	10.43550	.00760	.00010	.00770	.00830	.00140	-.00550	-.23250
.595	-5.050	10.24950	10.43480	.00710	.00000	.00700	.02490	.00400	-.00200	-.23190
.595	-4.090	10.24670	10.43410	.00660	-.00040	.00620	.03530	.00600	.00040	-.23010
.595	-3.090	10.24380	10.43280	.00620	-.00110	.00500	.04900	.00810	.00300	-.22840
.595	-2.090	10.24230	10.43130	.00600	-.00190	.00400	.05930	.01010	.00500	-.22720
.595	-1.080	10.23940	10.42960	.00550	-.00280	.00270	.07120	.01220	.00720	-.22440
.595	-.160	10.23790	10.42770	.00530	-.00380	.00140	.08330	.01430	.00960	-.22120
.595	.760	10.23580	10.42530	.00500	-.00510	-.00010	.09230	.01620	.01120	-.21900
.595	1.850	10.23360	10.42210	.00460	-.00680	-.00210	.10310	.01830	.01330	-.21460
.595	2.850	10.23210	10.41780	.00440	-.00920	-.00470	.11600	.02080	.01570	-.20740
.595	3.850	10.22990	10.41320	.00410	-.01160	-.00750	.12810	.02300	.01790	-.20240
.595	4.850	10.22850	10.40860	.00390	-.01410	-.01020	.13960	.02530	.01990	-.19880
.595	5.850	10.22480	10.40430	.00330	-.01650	-.01310	.15100	.02770	.02190	-.19770
	GRADIENT	-.09203	-.00281	-.00031	-.00151	-.00180	.01145	.00215	.00216	.00364

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 OF POOR QUALITY

1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKC15) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 2031/ 0 RN/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPBI
.960	-6.420	10.27710	10.41320	.00540	-.00550	-.00010	-.01020	-.00140	-.00690	-.33240
.960	-5.330	10.25680	10.41340	.00390	-.00470	-.00070	.00510	.00120	-.00400	-.32560
.960	-4.330	10.24010	10.41940	.00270	-.00390	-.00120	.01830	.00370	-.00160	-.32790
.960	-3.270	10.22560	10.42130	.00160	-.00340	-.00180	.03200	.00620	.00080	-.32580
.960	-2.310	10.20300	10.42190	.00000	-.00330	-.00330	.04520	.00860	.00310	-.32450
.960	-1.350	10.19810	10.41940	-.00100	-.00390	-.00500	.05810	.01090	.00540	-.32330
.960	-.400	10.18010	10.41520	-.00510	-.00490	-.01010	.07950	.01340	.00740	-.32460
.960	.560	10.16050	10.41440	-.00950	-.00510	-.01470	.08370	.01580	.00930	-.32230
.960	1.610	10.13390	10.40330	-.01550	-.00790	-.02350	.09890	.01860	.01110	-.32530
.960	2.750	10.10650	10.38170	-.02170	-.01340	-.03520	.11640	.02170	.01290	-.32210
.960	3.800	10.09190	10.35320	-.02500	-.02070	-.04570	.13190	.02440	.01450	-.32020
.960	4.840	10.08720	10.32460	-.02610	-.02800	-.05420	.14630	.02690	.01600	-.31640
.960	5.880	10.08970	10.29360	-.02560	-.03600	-.06170	.15960	.02920	.01740	-.31190
.960	6.860	10.09310	10.26220	-.02520	-.04420	-.06940	.17090	.03110	.01880	-.30340
.960	GRADIENT	-.01800	-.00958	-.00361	-.00243	-.00605	.01402	.00256	.00192	.00091

RUN NO. 2030/ 0 RN/L = 7.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPBI
1.068	-6.430	10.55760	10.40690	.02420	-.00650	.01760	-.01310	-.00150	-.00400	-.42680
1.068	-5.420	10.50820	10.40810	.02070	-.00620	.01450	.00310	.00110	-.00120	-.41060
1.068	-4.420	10.45700	10.40970	.01710	-.00580	.01130	.01840	.00390	.00110	-.40230
1.068	-3.430	10.43510	10.40970	.01560	-.00580	.00970	.03320	.00660	.00360	-.39460
1.068	-2.400	10.41320	10.41260	.01410	-.00510	.00890	.04890	.00960	.00580	-.38840
1.068	-1.370	10.38690	10.40770	.01230	-.00630	.00600	.06500	.01260	.00790	-.38530
1.068	-.250	10.33620	10.39530	.00890	-.00890	.00900	.08210	.01580	.00980	-.38220
1.068	.740	10.28430	10.38000	.00540	-.01270	-.00730	.09660	.01850	.01140	-.37820
1.068	1.760	10.23580	10.35680	.00210	-.01810	-.01590	.10970	.02080	.01270	-.37960
1.068	2.750	10.20880	10.34090	.00030	-.02190	-.02150	.12170	.02300	.01420	-.37330
1.068	3.740	10.19850	10.32610	-.00090	-.02530	-.02630	.13250	.02480	.01550	-.36830
1.068	4.730	10.19780	10.31150	-.00100	-.02880	-.02980	.14320	.02670	.01680	-.36910
1.068	5.720	10.19780	10.29150	-.00100	-.03350	-.03460	.15250	.02850	.01770	-.36970
1.068	6.700	10.18850	10.26360	-.00300	-.04020	-.04320	.16210	.03020	.01860	-.40290
1.068	7.680	10.16140	10.23720	-.00870	-.04660	-.05530	.17090	.03190	.01890	-.40700
1.068	GRADIENT	-.03275	-.01181	-.00226	-.00276	-.00502	.01383	.00253	.00168	.00126

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKC15) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 2029/ 0 RN/L = 7.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPB1
1.268	-6.480	10.89710	10.40080	.04460	-.00720	.03730	.00590	.00120	-.00250	-.34560
1.268	-5.430	10.85430	10.38000	.04170	-.01170	.03000	.02330	.00450	-.00120	-.33810
1.268	-4.290	10.80120	10.35420	.03810	-.01720	.02090	.04090	.00770	.00040	-.33600
1.268	-3.310	10.74620	10.33460	.03440	-.02130	.01300	.05600	.01040	.00200	-.33200
1.268	-2.330	10.69220	10.31540	.03090	-.02540	.00540	.07070	.01310	.00370	-.33000
1.268	-1.340	10.64580	10.29740	.02780	-.02930	-.00140	.08570	.01570	.00550	-.32900
1.268	-.360	10.60400	10.27830	.02510	-.03330	-.00820	.09900	.01810	.00730	-.32860
1.268	.610	10.58120	10.26310	.02360	-.03660	-.01290	.11060	.02020	.00880	-.32640
1.268	1.590	10.54650	10.24820	.02140	-.03980	-.01830	.12070	.02200	.01030	-.32480
1.268	2.550	10.49980	10.23200	.01840	-.04320	-.02470	.13050	.02370	.01170	-.32340
1.268	3.530	10.44780	10.21710	.01520	-.04650	-.03130	.13980	.02550	.01270	-.32160
1.268	4.590	10.38120	10.20110	.01100	-.04990	-.03890	.15020	.02740	.01390	-.32010
1.268	5.660	10.30670	10.18610	.00630	-.05310	-.04680	.16020	.02930	.01490	-.31920
1.268	6.700	10.22270	10.17190	.00000	-.05630	-.05630	.16910	.03100	.01560	-.31950
	GRADIENT	-.04418	-.01716	-.00285	-.00367	-.00651	.01226	.00220	.00156	.00163

IA141.04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKC16) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.030
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .010
 RN/L = 9.000

RUN NO. 2034/ 0 RN/L = 9.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPBI
1.078	-6.620	10.65950	10.40150	.02420	-.00600	.01820	-.01470	-.00190	-.00430	-.40700
1.078	-5.480	10.58190	10.40140	.02000	-.00600	.01390	.00740	.00140	-.00050	-.40130
1.078	-4.470	10.52430	10.40430	.01680	-.00550	.01130	.00200	.00240	-.00300	-.39420
1.078	-3.440	10.49140	10.40530	.01510	-.00530	.00970	.03150	.00540	.00300	-.38820
1.078	-2.390	10.45910	10.41020	.01330	-.00440	.00890	.04640	.00920	.00510	-.38300
1.078	-1.320	10.42660	10.40460	.01160	-.00540	.00610	.06440	.01240	.00770	-.37990
1.078	-.160	10.36550	10.39050	.00840	-.00790	.00040	.08220	.01580	.00980	-.37750
1.078	.910	10.28290	10.36350	.00410	-.01280	-.00870	.09790	.01860	.01150	-.37590
1.078	1.980	10.22190	10.33920	.00090	-.01720	-.01620	.11620	.02150	.01410	-.37750
1.078	3.060	10.19560	10.31660	-.00110	-.02130	-.02250	.11660	.02280	.01300	-.37900
1.078	4.130	10.18670	10.29700	-.00260	-.02490	-.02750	.13470	.02530	.01560	-.38190
1.078	5.210	10.18900	10.27510	-.00220	-.02900	-.03120	.14500	.02720	.01670	-.38660
1.078	6.270	10.19120	10.23750	-.00190	-.03590	-.03780	.15660	.02920	.01790	-.39170
	GRADIENT	-.04406	-.01356	-.00245	-.00245	-.00489	.01487	.00264	.00194	.00141

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TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKCI7) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 0.000 SDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.000

RUN NO. 2037/ 0 RN/L = 10.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPBI
.597	-6.370	10.31390	10.43370	.00730	-.00020	.00700	.00800	.00 03	-.00550	-.23270
.597	-5.350	10.30810	10.43110	.00690	-.00080	.00600	.02260	.00340	-.00230	-.23670
.597	-4.350	10.30520	10.42990	.00680	-.00110	.00560	.03390	.00540	.00000	-.23170
.597	-3.300	10.30020	10.42690	.00640	-.00180	.00460	.04450	.00750	.00210	-.23170
.597	-2.340	10.29440	10.42330	.00610	-.00270	.00330	.05460	.00940	.00400	-.23320
.597	-1.380	10.28430	10.41880	.00530	-.0070	.00160	.06410	.01130	.00600	-.23220
.597	-.410	10.28720	10.41510	.00560	-.00460	.00100	.07530	.01340	.00810	-.22930
.597	.550	10.28220	10.41020	.00520	-.00570	-.00040	.08820	.01550	.01100	-.22360
.597	1.510	10.27710	10.40420	.00490	-.00710	-.00220	.09740	.01740	.01290	-.22100
.597	2.560	10.27490	10.39640	.00480	-.00890	-.00410	.11060	.01990	.01540	-.21500
.597	3.510	10.27420	10.38800	.00470	-.01090	-.00610	.12210	.02210	.01760	-.20900
.597	4.560	10.27130	10.37750	.00450	-.01340	-.00880	.13610	.02470	.02030	-.20710
.597	5.610	10.27060	10.36920	.00450	-.01530	-.01070	.14930	.02720	.02270	-.20520
	GRADIENT	-.00377	-.00573	-.00025	-.00134	-.00157	.01146	.00215	.00230	.00315

IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKC18) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT¹
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 2032/ 0 RN/L = 11.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPB1
.997	-6.810	10.18050	10.39380	-.00300	-.00620	-.00930	-.01490	-.00210	-.00670	-.35630
.997	-5.680	10.25750	10.39960	.00240	-.00540	-.00300	.00130	.00070	-.00420	-.34660
.997	-4.620	10.28870	10.40510	.00380	-.00460	-.00080	.01650	.00330	-.00160	-.34400
.997	-3.610	10.27350	10.40940	.00310	-.00390	-.00060	.02960	.00560	.00680	-.33900
.997	-2.500	10.25540	10.40930	.00230	-.00390	-.00160	.04490	.00860	.00350	-.33090
.997	-1.490	10.23360	10.40470	.00130	-.00460	-.00330	.05900	.01120	.00600	-.32970
.997	-.490	10.19500	10.39560	-.00100	-.00600	-.00710	.07280	.01360	.00820	-.33240
.997	.500	10.17430	10.39340	-.00390	-.00640	-.01030	.08620	.01640	.01030	-.33250
.997	1.600	10.13530	10.38400	-.00930	-.00780	-.01720	.10090	.01910	.01250	-.33570
.997	2.690	10.09370	10.36290	-.01500	-.01110	-.02620	.11540	.02160	.01420	-.33380
.997	3.790	10.07680	10.32820	-.02150	-.01660	-.03820	.12870	.02400	.01550	-.33850
.997	4.880	10.01700	10.29070	-.02570	-.02250	-.04820	.14110	.02630	.01660	-.33960
.997	5.970	9.99450	10.24590	-.02900	-.02950	-.05860	.15430	.02870	.01770	-.33660
.997	6.980	9.99340	10.20420	-.03070	-.03630	-.06710	.16570	.03070	.01850	-.33010
	GRADIENT	-.02976	-.01100	-.00323	-.00172	-.00496	.01329	.00245	.00197	.00005

RUN NO. 2033/ 0 RN/L = 11.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPB1
1.095	-6.890	10.83710	10.39270	.02710	-.00600	.02110	-.01820	-.00260	-.00440	-.39510
1.095	-5.680	10.73210	10.39570	.02260	-.00560	.01690	.00040	.00060	-.00180	-.39330
1.095	-4.600	10.64790	10.39690	.01880	-.00540	.01340	.01690	.00350	.00090	-.38770
1.095	-3.480	10.61150	10.40280	.01720	-.00460	.01260	.03360	.00660	.00350	-.38340
1.095	-2.450	10.57220	10.40880	.01550	-.00370	.01180	.04920	.00950	.00590	-.38030
1.095	-1.420	10.52010	10.40130	.01330	-.00430	.00840	.06530	.01250	.00800	-.37650
1.095	-.400	10.45060	10.38330	.01030	-.00740	.00290	.08050	.01540	.00980	-.37390
1.095	.600	10.34550	10.35300	.00590	-.01190	-.00530	.09420	.01800	.01130	-.37060
1.095	1.610	10.26040	10.32140	.00230	-.01640	-.01400	.10680	.02030	.01250	-.37300
1.095	2.710	10.19360	10.28990	-.00110	-.02090	-.02210	.12010	.02270	.01390	-.37130
1.095	3.820	10.17560	10.26180	-.00350	-.02510	-.02860	.13230	.02430	.01530	-.37170
1.095	4.930	10.16670	10.23240	-.00460	-.02940	-.03410	.14380	.02700	.01650	-.37310
1.095	6.020	10.16720	10.20340	-.00460	-.03380	-.03840	.15450	.02890	.01760	-.37700
	GRADIENT	-.05865	-.01931	-.00275	-.00281	-.00557	.01345	.00250	.00161	.00157

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

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IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKCI8) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 2035/ 0 RN/L = 11.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	ELV-IL	ELV-OL	CHEI	CHEO	CHET	CNW	CBW	CTW	CPB1
1.273	-6.930	11.20330	10.40250	.04240	-.00440	.03800	.00150	.00030	-.00360	-.34300
1.273	-5.820	11.14220	10.36810	.03970	-.00910	.03050	.02250	.00390	-.00080	-.33850
1.273	-4.630	11.06130	10.32880	.03600	-.01460	.02140	.03750	.00700	.00000	-.33600
1.273	-3.500	10.97980	10.29380	.03240	-.01940	.01300	.05480	.01020	.00200	-.33390
1.273	-2.470	10.91410	10.26340	.02950	-.02360	.00590	.07030	.01300	.00380	-.33220
1.273	-1.440	10.84770	10.23550	.02680	-.02740	-.00080	.08540	.01570	.00560	-.33110
1.273	-.420	10.80250	10.20650	.02460	-.03140	-.00670	.09880	.01810	.00740	-.33020
1.273	.580	10.77040	10.17950	.02330	-.03510	-.01180	.11150	.02030	.00020	-.32770
1.273	1.599	10.71720	10.15610	.02100	-.03840	-.01730	.12170	.02220	.01050	-.32430
1.273	2.700	10.63350	10.13090	.01750	-.04190	-.02440	.13300	.02420	.01210	-.32260
1.273	3.810	10.55280	10.10360	.01410	-.04580	-.03160	.14310	.02610	.01330	-.32270
1.273	4.930	10.44570	10.07480	.00970	-.04980	-.04010	.15360	.02810	.01440	-.32180
1.273	5.940	10.33260	10.05200	.00510	-.05300	-.04790	.16110	.02970	.01490	-.32140
1.273	GRADIENT	-.05992	-.02624	-.00256	-.00364	-.00619	.01210	.00219	.00149	.00160

ORIGINAL PAGE IS
 OF POOR QUALITY

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 03 T5 S8 NO GRIT

(AFK001) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 3001/ 0 RN/L = 7.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.269	-6.560	-.30200	-.38040	-.43210	-.43940	-.38750	-.35650	-.35580	-.35360	-.36960
1.269	-5.530	-.30110	-.38370	-.43220	-.43850	-.38310	-.34700	-.34580	-.34840	-.36860
1.269	-4.440	-.30760	-.37660	-.43040	-.43580	-.37720	-.33900	-.33560	-.34440	-.36330
1.269	-3.460	-.30770	-.37090	-.43020	-.43410	-.37380	-.33230	-.32960	-.34050	-.35920
1.269	-2.470	-.30740	-.36440	-.42590	-.42870	-.36680	-.32730	-.32330	-.33280	-.35180
1.269	-1.480	-.31010	-.35580	-.42430	-.42660	-.36420	-.32250	-.31950	-.32820	-.34700
1.269	-.500	-.30340	-.34870	-.42030	-.42300	-.35910	-.31880	-.31370	-.32490	-.34370
1.269	.460	-.29040	-.34150	-.42070	-.42480	-.35660	-.31450	-.30860	-.32050	-.34120
1.269	1.420	-.28290	-.33590	-.42330	-.42730	-.35780	-.31240	-.30510	-.31710	-.33910
1.269	2.440	-.27790	-.33120	-.42560	-.42770	-.35950	-.31010	-.30120	-.31540	-.33670
1.269	3.460	-.27470	-.32700	-.42300	-.42480	-.35760	-.30250	-.29580	-.31320	-.33390
1.269	4.470	-.27060	-.32420	-.42840	-.43130	-.36690	-.29410	-.28780	-.31210	-.33300
1.269	5.480	-.26830	-.32370	-.43900	-.44160	-.37680	-.28570	-.27960	-.31030	-.33350
1.269	6.470	-.25710	-.32020	-.45010	-.45330	-.38240	-.27780	-.27050	-.30640	-.33230
	GRADIENT	.00495	.00621	.00044	.00065	.00161	.00445	.00507	.00372	.00338

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

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IA141 02 15 S8 .0065 GRIT ON WING

(AFKD02) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 3002/ 0 RN/L = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.267	-6.540	-.29110	-.36090	-.43620	-.43850	-.38680	-.35430	-.34980	-.35140	-.36270
1.267	-5.430	-.29240	-.37850	-.43150	-.43390	-.37760	-.34350	-.33950	-.34660	-.36470
1.267	-4.440	-.29550	-.37080	-.42980	-.43210	-.37240	-.33500	-.33090	-.34050	-.36120
1.267	-3.420	-.30230	-.36140	-.42840	-.42870	-.36760	-.32880	-.32380	-.33630	-.35600
1.267	-2.420	-.30230	-.35240	-.42570	-.42470	-.36160	-.32380	-.31890	-.32840	-.34840
1.267	-1.410	-.29850	-.34660	-.42330	-.42230	-.35690	-.31890	-.31290	-.32180	-.34270
1.267	-.440	-.29580	-.34150	-.42090	-.42030	-.35390	-.31640	-.30820	-.32040	-.34080
1.267	.530	-.29130	-.33460	-.42080	-.42110	-.35120	-.31170	-.30200	-.31520	-.33770
1.267	1.500	-.27540	-.32810	-.42330	-.42370	-.35430	-.31060	-.30010	-.31150	-.33640
1.267	2.520	-.27170	-.32290	-.42450	-.42310	-.35380	-.30560	-.29390	-.30770	-.33180
1.267	3.490	-.26760	-.31960	-.42360	-.42130	-.35370	-.29880	-.28880	-.30630	-.32820
1.267	4.510	-.26590	-.31690	-.42880	-.42770	-.36280	-.29070	-.28220	-.30480	-.32650
1.267	5.520	-.26080	-.31570	-.43820	-.43720	-.37210	-.28120	-.27190	-.30430	-.32610
1.267	6.520	-.25640	-.31260	-.44900	-.44840	-.37690	-.27310	-.26370	-.30270	-.32720
	GRADIENT	.00456	.00605	.00030	.00058	.00143	.00444	.00522	.00411	.00375

1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKD03) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 3004/ 0 RN/L = 7.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
.972	-6.450	-.33120	-.41610	-.34640	-.35700	-.33880	-.41970	-.41900	-.37930	-.38440
.972	-5.430	-.33580	-.39100	-.34510	-.35500	-.33190	-.40070	-.40330	-.36440	-.37770
.972	-4.420	-.32970	-.36660	-.33220	-.34080	-.32060	-.39550	-.39870	-.34690	-.36750
.972	-3.450	-.33220	-.35550	-.33460	-.34020	-.32172	-.39010	-.39400	-.34100	-.35550
.972	-2.460	-.33470	-.34570	-.32600	-.33060	-.31410	-.38710	-.39120	-.33680	-.35350
.972	-1.480	-.32690	-.34370	-.31920	-.32390	-.30870	-.39390	-.39420	-.33220	-.34900
.972	-.500	-.33750	-.34410	-.31270	-.31710	-.30410	-.37760	-.38210	-.33550	-.34600
.972	.460	-.33190	-.34130	-.33360	-.34200	-.31630	-.36810	-.37230	-.33110	-.34680
.972	1.430	-.33090	-.33540	-.34110	-.34680	-.32070	-.36130	-.36560	-.32900	-.34400
.972	2.390	-.33630	-.34370	-.34260	-.35050	-.32140	-.36110	-.36270	-.33370	-.34220
.972	3.350	-.32850	-.33950	-.35150	-.36380	-.32620	-.35840	-.36030	-.32820	-.34180
.972	4.360	-.32410	-.34090	-.36140	-.37650	-.33750	-.35820	-.35920	-.32820	-.34300
.972	5.370	-.31690	-.33770	-.35970	-.37290	-.33760	-.35020	-.35750	-.32440	-.34000
.972	6.370	-.30890	-.33740	-.38160	-.39280	-.35870	-.35030	-.35540	-.32410	-.34070
.972	GRADIENT	.00039	.00238	-.00342	-.00422	-.00167	.00489	.00516	.00176	.00242

RUN NO. 3003/ 0 RN/L = 7.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.069	-6.520	-.36820	-.46640	-.53110	-.54570	-.48340	-.44630	-.44090	-.43050	-.44710
1.069	-5.410	-.35220	-.44310	-.50430	-.51730	-.45800	-.42520	-.42170	-.41480	-.43360
1.069	-4.380	-.35030	-.43490	-.49520	-.50670	-.44710	-.41600	-.41070	-.40560	-.42550
1.069	-3.380	-.34820	-.42510	-.48680	-.49890	-.43560	-.40750	-.40230	-.39690	-.41580
1.069	-2.370	-.34620	-.41080	-.47860	-.49280	-.42620	-.40050	-.39410	-.38420	-.40460
1.069	-1.370	-.34530	-.40340	-.47370	-.48770	-.42220	-.39630	-.38930	-.37870	-.39660
1.069	-.370	-.34430	-.39560	-.46880	-.48470	-.42310	-.39360	-.38770	-.37240	-.39340
1.069	.610	-.34600	-.39050	-.47870	-.49480	-.42520	-.38450	-.37650	-.36430	-.38740
1.069	1.590	-.34870	-.38890	-.48470	-.49840	-.42450	-.38030	-.37500	-.36110	-.38460
1.069	2.570	-.34990	-.38690	-.49190	-.50470	-.42750	-.37840	-.36970	-.36090	-.38550
1.069	3.550	-.35290	-.39390	-.50140	-.51550	-.43950	-.37570	-.37080	-.36000	-.38910
1.069	4.530	-.35170	-.39570	-.51770	-.52850	-.46120	-.37110	-.36720	-.37230	-.39520
1.069	5.500	-.35540	-.40440	-.53260	-.54210	-.47890	-.36930	-.36580	-.36190	-.40440
1.069	6.510	-.35960	-.41330	-.54690	-.55200	-.49420	-.36700	-.36380	-.35970	-.41460
1.069	GRADIENT	-.00046	.00454	-.00251	-.00253	-.00102	.00487	.00483	.00426	.00367

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFK004) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BOFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 9.000

RUN NO. 3005/ 0 RN/L = 9.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.083	-6.720	-.34840	-.44450	-.50040	-.51970	-.45340	-.43310	-.42640	-.41330	-.42900
1.083	-5.650	-.34210	-.43620	-.49310	-.51010	-.44910	-.42180	-.41550	-.40700	-.42250
1.083	-4.610	-.34640	-.42880	-.48680	-.50200	-.44140	-.41380	-.40710	-.40150	-.41700
1.083	-3.600	-.34410	-.42180	-.48150	-.49690	-.43370	-.40530	-.39870	-.39500	-.41040
1.083	-2.580	-.34140	-.40860	-.47730	-.49460	-.42770	-.39910	-.39120	-.38360	-.40240
1.083	-1.560	-.34130	-.39680	-.47080	-.48890	-.42030	-.39600	-.38830	-.37570	-.39510
1.083	-.560	-.34320	-.39260	-.46900	-.48770	-.42360	-.39260	-.38620	-.37100	-.39220
1.083	.430	-.34130	-.38480	-.47650	-.49620	-.42560	-.38410	-.37880	-.36320	-.38700
1.083	1.430	-.34190	-.38500	-.48600	-.50450	-.42710	-.38110	-.37680	-.35590	-.38050
1.083	2.420	-.34060	-.38330	-.48620	-.50260	-.42420	-.37810	-.37330	-.35460	-.37860
1.083	3.410	-.33850	-.38310	-.49390	-.51050	-.43260	-.37460	-.37140	-.35610	-.37910
1.083	4.450	-.34230	-.38990	-.50450	-.52010	-.45070	-.37100	-.36720	-.36410	-.38540
1.083	5.490	-.33840	-.39160	-.52000	-.53450	-.46780	-.36520	-.36330	-.36910	-.39330
1.083	6.520	-.34330	-.40650	-.54120	-.54990	-.48960	-.36120	-.35760	-.39240	-.40730
	GRADIENT	.00048	.00478	-.00206	-.00213	-.00048	.00458	.00412	.00496	.00406

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

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IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKD05) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BOFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 3007/ 0 RN/L = 11.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
.981	-6.860	-.33480	-.40860	-.37610	-.39250	-.36550	-.42880	-.42290	-.37930	-.35680
.981	-5.790	-.33590	-.39800	-.38300	-.40000	-.36700	-.41590	-.41720	-.37160	-.39330
.981	-4.620	-.33010	-.36530	-.34410	-.35480	-.33510	-.40770	-.41010	-.34930	-.36660
.981	-3.620	-.33260	-.35800	-.33760	-.34920	-.32690	-.39940	-.40310	-.34410	-.35060
.981	-2.520	-.33350	-.35760	-.35020	-.36250	-.33760	-.39710	-.40000	-.34350	-.35130
.981	-1.520	-.33550	-.35480	-.34200	-.36250	-.33760	-.39710	-.39920	-.34050	-.35540
.981	-.500	-.33060	-.35190	-.32400	-.35390	-.33400	-.39540	-.39920	-.34050	-.35050
.981	.490	-.33180	-.34970	-.34360	-.35590	-.31570	-.38410	-.38930	-.33380	-.34320
.981	1.490	-.33050	-.35320	-.36400	-.37690	-.32900	-.37520	-.37820	-.33280	-.34320
.981	2.490	-.32690	-.34620	-.35790	-.37440	-.33590	-.37340	-.37590	-.32730	-.34820
.981	3.490	-.32080	-.34390	-.36260	-.36040	-.34230	-.36620	-.36610	-.32770	-.34060
.981	4.680	-.32250	-.34890	-.36050	-.40020	-.35710	-.36620	-.36680	-.33110	-.34050
.981	5.780	-.31460	-.34050	-.39470	-.36960	-.36520	-.36520	-.36750	-.32840	-.34830
.981	6.860	-.30530	-.33430	-.39980	-.41270	-.37540	-.35660	-.35730	-.32530	-.34450
.981	GRADIENT	.00117	.00183	-.00371	-.00460	-.00199	.00468	.00484	.00221	.00221

RUN NO. 3006/ 0 RN/L = 11.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.099	-7.070	-.33880	-.43520	-.49330	-.51180	-.45050	-.42390	-.41690	-.40440	-.42250
1.099	-5.890	-.34410	-.42670	-.48630	-.50390	-.44250	-.41870	-.41170	-.39970	-.41760
1.099	-4.810	-.34140	-.42040	-.48230	-.49720	-.43920	-.40980	-.40420	-.39560	-.41330
1.099	-3.790	-.34280	-.41230	-.47870	-.49380	-.43130	-.40240	-.39530	-.39040	-.40790
1.099	-2.670	-.34490	-.39540	-.47450	-.49150	-.42470	-.39420	-.38890	-.37960	-.40190
1.099	-1.640	-.34640	-.38720	-.47120	-.48950	-.41960	-.39180	-.38470	-.37030	-.39830
1.099	-.620	-.34430	-.38130	-.46640	-.48510	-.42040	-.38990	-.38420	-.36390	-.39660
1.099	.390	-.34290	-.37770	-.47370	-.49290	-.42310	-.38210	-.37630	-.35740	-.39180
1.099	1.400	-.33920	-.37560	-.47970	-.49910	-.42180	-.37610	-.37130	-.35340	-.38840
1.099	2.510	-.33940	-.37970	-.48200	-.49820	-.42220	-.37170	-.36540	-.35170	-.38070
1.099	3.520	-.33540	-.37640	-.49240	-.50870	-.43250	-.36790	-.35370	-.34860	-.37730
1.099	4.620	-.33200	-.37830	-.50240	-.51780	-.44970	-.36100	-.35020	-.35020	-.37530
1.099	5.730	-.33120	-.38750	-.51800	-.53260	-.46980	-.35590	-.35470	-.35170	-.37790
1.099	6.830	-.33400	-.39880	-.53530	-.54350	-.48630	-.35150	-.34800	-.37810	-.38710
1.099	GRADIENT	.00108	.00434	-.00202	-.00207	-.00064	.00494	.00452	.00521	.00405

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFK005) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 3008/ 0 RN/L - 11.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.269	-7.010	-.29230	-.36980	-.43380	-.44240	-.39710	-.35860	-.35180	-.34230	-.36000
1.269	-5.750	-.29070	-.36760	-.43140	-.43780	-.37860	-.34850	-.34280	-.34090	-.35730
1.269	-4.660	-.29790	-.35930	-.42930	-.43510	-.37440	-.34160	-.33480	-.33690	-.35400
1.269	-3.630	-.30180	-.34870	-.42950	-.43330	-.37240	-.33450	-.32820	-.33170	-.34720
1.269	-2.600	-.30080	-.33990	-.42810	-.43080	-.36690	-.32910	-.32330	-.32470	-.34090
1.269	-1.570	-.30160	-.33750	-.42600	-.42770	-.36420	-.32470	-.31840	-.32110	-.33690
1.269	-.550	-.30010	-.33450	-.42190	-.42360	-.35980	-.32130	-.31320	-.31970	-.33370
1.269	.450	-.28200	-.32820	-.42140	-.42460	-.35660	-.31770	-.30930	-.31610	-.33370
1.269	1.560	-.27160	-.32550	-.42330	-.42690	-.35700	-.31370	-.30320	-.31430	-.33110
1.269	2.670	-.26820	-.31940	-.42470	-.42690	-.35530	-.30830	-.29770	-.30970	-.32650
1.269	3.780	-.26390	-.31500	-.42550	-.42720	-.35810	-.30040	-.29020	-.30690	-.32390
1.269	4.880	-.26260	-.31180	-.43510	-.43810	-.37080	-.29190	-.28290	-.30570	-.32410
1.269	5.990	-.26200	-.30890	-.44680	-.44960	-.37790	-.28270	-.27560	-.30350	-.32500
1.269	7.070	-.25920	-.30910	-.45640	-.45980	-.38770	-.27420	-.26350	-.30410	-.32620
	GRADIENT	.00491	.00462	-.00001	.00019	.00120	.00474	.00522	.00316	.00298

ORIGINAL PAGE IS
 OF POOR QUALITY

DATE 15 JUL 76

TABULATED SOURCE DATA - [A141].

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[A141] 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKD06) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 3009/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.062	-6.490	-.44010	-.47770	-.47240	-.47470	-.42760	-.46330	-.45060	-.45550	-.47390
1.062	-5.470	-.42570	-.46670	-.46820	-.46630	-.42300	-.44730	-.43710	-.44620	-.46590
1.062	-4.460	-.41970	-.46170	-.46330	-.45750	-.41750	-.43710	-.42860	-.44270	-.46370
1.062	-3.400	-.41500	-.45770	-.46380	-.45230	-.41330	-.42780	-.42010	-.43900	-.45980
1.062	-2.330	-.40530	-.44850	-.45690	-.44670	-.39670	-.42010	-.41520	-.43100	-.45430
1.062	-1.350	-.39640	-.44420	-.44900	-.44330	-.38980	-.41140	-.40790	-.42760	-.45220
1.062	-.370	-.38190	-.43850	-.44900	-.44650	-.38700	-.40860	-.40410	-.42380	-.45070
1.062	.590	-.37230	-.43440	-.45000	-.45190	-.38720	-.40640	-.40310	-.42270	-.44850
1.062	1.560	-.37260	-.43310	-.45260	-.45580	-.39400	-.40140	-.38760	-.42580	-.44790
1.062	2.520	-.36800	-.43230	-.45550	-.45900	-.40070	-.40080	-.38840	-.42690	-.44770
1.062	3.490	-.36690	-.43250	-.46000	-.46200	-.40520	-.39720	-.38260	-.42720	-.44780
1.062	4.540	-.37050	-.43800	-.46590	-.46700	-.41100	-.39290	-.37470	-.43160	-.45290
1.062	5.600	-.37660	-.44510	-.47890	-.47940	-.41970	-.39410	-.37820	-.43720	-.45900
1.062	6.740	-.37720	-.45660	-.49500	-.49450	-.43180	-.39300	-.37150	-.44730	-.46930
	GRADIENT	.00642	.00313	-.00002	-.00155	.00085	.00456	.00578	.00130	.00141

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

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IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKD07) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 3011/ 0 RN/L = 11.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPP7	CPB8	CPBC1	CPBC2
.990	-6.890	-.42190	-.44460	-.34360	-.35470	-.31520	-.41130	-.39470	-.42960	-.41410
.990	-5.720	-.40710	-.44090	-.32850	-.33230	-.29820	-.39720	-.38880	-.43140	-.46010
.990	-4.670	-.40230	-.43900	-.32460	-.31910	-.29490	-.38610	-.37530	-.42970	-.45300
.990	-3.570	-.39660	-.43710	-.35220	-.33620	-.31720	-.38340	-.37490	-.42910	-.43730
.990	-2.560	-.39540	-.43310	-.35900	-.34040	-.31710	-.38100	-.37590	-.42660	-.44610
.990	-1.540	-.38310	-.42240	-.33820	-.32330	-.29750	-.37630	-.37390	-.41900	-.45090
.990	-.530	-.37740	-.42030	-.33770	-.32950	-.29650	-.37570	-.37150	-.41860	-.43610
.990	.460	-.36260	-.41400	-.34980	-.34870	-.30800	-.37850	-.37490	-.41240	-.43090
.990	1.453	-.35280	-.41080	-.36080	-.36060	-.31520	-.37990	-.37120	-.41070	-.43120
.990	2.440	-.34890	-.40110	-.35360	-.35320	-.30470	-.37580	-.36340	-.40000	-.43080
.990	3.530	-.34100	-.39710	-.35610	-.35410	-.30260	-.38080	-.36840	-.39550	-.42420
.990	4.710	-.35330	-.40260	-.38080	-.36080	-.32270	-.38120	-.36660	-.40150	-.41590
.990	5.800	-.36120	-.40350	-.39670	-.39730	-.33560	-.37600	-.36310	-.40290	-.42570
.990	6.880	-.33790	-.37600	-.38450	-.38570	-.32650	-.37450	-.36030	-.37070	-.41030
	GRADIENT	.00670	.00476	-.00350	-.00520	-.00092	.00044	.00112	.00385	.00336

RUN NO. 3010/ 0 RN/L = 11.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.100	-7.000	-.40570	-.43680	-.43160	-.43390	-.38470	-.43020	-.41760	-.41670	-.43360
1.100	-5.830	-.40450	-.43400	-.43290	-.43140	-.38680	-.42270	-.41250	-.41690	-.43510
1.100	-4.660	-.40140	-.43310	-.43130	-.42650	-.38640	-.41560	-.40680	-.41770	-.43540
1.100	-3.540	-.39600	-.42820	-.43250	-.42410	-.38460	-.40960	-.40150	-.41300	-.43450
1.100	-2.510	-.38620	-.42720	-.43070	-.42120	-.37400	-.40050	-.39420	-.41290	-.43570
1.100	-1.480	-.37920	-.42370	-.42560	-.42120	-.36780	-.39470	-.39030	-.41030	-.43570
1.100	-.450	-.36910	-.42130	-.42390	-.42290	-.36550	-.38970	-.38720	-.40940	-.43610
1.100	.560	-.35820	-.41790	-.43440	-.43680	-.37430	-.38870	-.38390	-.40700	-.43540
1.100	1.570	-.35550	-.41530	-.43870	-.44240	-.38180	-.38480	-.37280	-.40870	-.43190
1.100	2.680	-.34930	-.41490	-.44540	-.44910	-.39040	-.38670	-.37410	-.41050	-.43270
1.100	3.680	-.35030	-.41700	-.44510	-.45490	-.39910	-.38200	-.36680	-.41310	-.43480
1.100	4.790	-.35310	-.42290	-.46360	-.46540	-.41000	-.37840	-.36190	-.41760	-.43940
1.100	5.880	-.35800	-.42900	-.47990	-.48080	-.42220	-.37930	-.36300	-.42300	-.44530
	GRADIENT	.00594	.00151	-.00319	-.00456	-.00261	.00365	.00468	.00011	-.00006

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

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IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKD07) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 3012/ 0 RM/L = 11.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.269	-6.980	-.33670	-.38850	-.39620	-.39860	-.34840	-.36900	-.35520	-.36330	-.37740
1.269	-5.860	-.33790	-.38530	-.39550	-.39760	-.34640	-.36310	-.35060	-.36040	-.37520
1.269	-4.770	-.33670	-.37910	-.39070	-.39270	-.33990	-.35790	-.34450	-.35560	-.36870
1.269	-3.540	-.33550	-.37260	-.38600	-.38760	-.33460	-.35320	-.33880	-.35100	-.36290
1.269	-2.410	-.33130	-.37010	-.38180	-.38170	-.32340	-.34730	-.33580	-.34620	-.36220
1.269	-1.380	-.32360	-.36550	-.37490	-.37570	-.31270	-.34630	-.33480	-.34400	-.36380
1.269	-.350	-.31860	-.36420	-.37390	-.37440	-.30890	-.34350	-.33190	-.34180	-.36510
1.269	.660	-.31260	-.36060	-.37590	-.37700	-.31700	-.33890	-.32740	-.34070	-.36350
1.269	1.680	-.30970	-.35600	-.38300	-.38490	-.32560	-.33520	-.32380	-.33930	-.36290
1.269	2.790	-.29750	-.34880	-.38650	-.38750	-.32860	-.32910	-.31670	-.33830	-.35990
1.269	3.890	-.29470	-.34620	-.38960	-.39110	-.33370	-.32280	-.30900	-.33800	-.35760
1.269	5.000	-.28990	-.34470	-.39340	-.39480	-.33830	-.31600	-.30120	-.33820	-.35970
1.269	6.100	-.29410	-.34750	-.39620	-.39720	-.34030	-.31200	-.29990	-.33990	-.36010
1.269	GRADIENT	.00523	.00361	-.00055	-.00057	-.00027	.00409	.00416	.00172	.00077

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

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IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFK008) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 3013/ 0 RN/L = 6.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.061	-6.540	-.26710	-.35180	-.46060	-.46390	-.40930	-.32440	-.31230	-.29380	-.30090
1.061	-5.490	-.40890	-.46710	-.58730	-.59060	-.54730	-.45660	-.45350	-.44070	-.44140
1.061	-4.490	-.40250	-.45700	-.58060	-.58290	-.53660	-.44950	-.44900	-.43480	-.43690
1.061	-3.430	-.39710	-.44720	-.57350	-.57470	-.52420	-.44790	-.44470	-.43090	-.43210
1.061	-2.370	-.39230	-.44170	-.56660	-.56800	-.51200	-.43840	-.43760	-.42480	-.42710
1.061	-1.400	-.38820	-.43590	-.56420	-.56710	-.51000	-.43530	-.43490	-.41980	-.42150
1.061	-.350	-.38530	-.43290	-.56210	-.56640	-.50940	-.43050	-.42990	-.41810	-.41920
1.061	.630	-.38050	-.42980	-.55720	-.56290	-.50600	-.42530	-.42460	-.41480	-.41520
1.061	1.630	-.37690	-.42840	-.55240	-.55930	-.50180	-.41750	-.41230	-.41360	-.41600
1.061	2.730	-.37680	-.42840	-.55530	-.55950	-.49760	-.41460	-.40970	-.41970	-.41950
1.061	3.790	-.37770	-.43010	-.55690	-.55940	-.49800	-.41110	-.40830	-.42140	-.42080
1.061	4.840	-.37750	-.43680	-.55950	-.55910	-.49830	-.41030	-.40330	-.42630	-.42530
1.061	5.980	-.37880	-.44540	-.56490	-.56170	-.50370	-.40960	-.40160	-.43320	-.43560
1.061	6.970	-.38560	-.45170	-.57890	-.57390	-.51870	-.41450	-.40570	-.43780	-.44250
1.061	GRADIENT	.00280	.00230	.00236	.00229	.00369	.00463	.00516	.00111	.00141

ORIGINAL PAGE IS
OF POOR QUALITY

IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKD09) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 3015/ 0 RN/L = 10.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
.996	-6.810	-.36720	-.44470	-.45430	-.46800	-.45700	-.42320	-.41480	-.40970	-.50150
.996	-5.680	-.35500	-.42840	-.44710	-.46230	-.44550	-.41140	-.40500	-.39830	-.51070
.996	-4.630	-.35450	-.42230	-.45330	-.46630	-.44270	-.40210	-.40030	-.39480	-.50830
.996	-3.520	-.34900	-.41610	-.45740	-.46620	-.43460	-.39900	-.39950	-.39130	-.50640
.996	-2.420	-.34960	-.40860	-.46560	-.47090	-.43360	-.39260	-.39650	-.38600	-.50450
.996	-1.410	-.34810	-.41790	-.47060	-.47720	-.43530	-.39330	-.39330	-.38950	-.50340
.996	.590	-.34330	-.40670	-.48020	-.48670	-.44290	-.38870	-.38990	-.38060	-.50340
.996	1.610	-.34160	-.40530	-.48230	-.48980	-.44200	-.38810	-.39700	-.38020	-.49990
.996	2.600	-.33330	-.40380	-.47980	-.48080	-.43430	-.38500	-.38450	-.37620	-.50030
.996	3.610	-.33280	-.39600	-.47030	-.47850	-.43200	-.37750	-.37520	-.37050	-.49850
.996	4.800	-.33070	-.39340	-.47980	-.48170	-.43390	-.37700	-.36610	-.37170	-.49650
.996	5.890	-.32210	-.38820	-.47720	-.47590	-.42790	-.37150	-.36200	-.37110	-.49600
.996	6.970	-.31710	-.38690	-.47500	-.47200	-.42160	-.37380	-.35820	-.36710	-.49240
.996	GRADIENT	-.30690	-.37150	-.47450	-.46900	-.41860	-.36340	-.34650	-.35710	-.47670
		.00306	.00337	-.00236	-.00146	.00089	.00312	.00420	.00275	.00132

RUN NO. 3014/ 0 RN/L = 11.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.089	-6.940	-.38990	-.46840	-.56920	-.57560	-.53470	-.44290	-.42130	-.41990	-.45140
1.089	-5.800	-.39030	-.46800	-.57620	-.58270	-.53770	-.44240	-.43240	-.42260	-.45020
1.089	-4.720	-.39110	-.45000	-.57250	-.57790	-.52920	-.44000	-.43690	-.42370	-.45930
1.089	-3.600	-.38770	-.44480	-.56630	-.56930	-.51680	-.43730	-.43480	-.41980	-.45960
1.089	-2.480	-.38200	-.43870	-.56060	-.56260	-.50720	-.43120	-.42900	-.41590	-.45940
1.089	-1.450	-.37630	-.43430	-.56050	-.56340	-.50440	-.42850	-.42820	-.41370	-.46230
1.089	-.420	-.37240	-.42920	-.55810	-.56270	-.50330	-.42070	-.42100	-.41070	-.46170
1.089	.600	-.37420	-.42540	-.55430	-.56070	-.50230	-.42300	-.41920	-.41030	-.46250
1.089	1.600	-.37160	-.42210	-.55330	-.56120	-.50180	-.41440	-.40610	-.41210	-.46360
1.089	2.720	-.36980	-.42090	-.55350	-.55930	-.49720	-.40830	-.40470	-.41270	-.46580
1.089	3.930	-.37010	-.42540	-.55260	-.55630	-.49140	-.40620	-.40030	-.41670	-.46830
1.089	5.030	-.36980	-.43160	-.55850	-.56020	-.49240	-.40110	-.39360	-.42130	-.47130
1.089	6.130	-.37080	-.43750	-.56620	-.56520	-.50520	-.40440	-.39460	-.42400	-.47620
	GRADIENT	.00252	.00331	.00217	.00193	.00351	.00410	.00456	.00094	-.00099

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKD09) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0160

PARAMETRIC DATA

BETA = -6.000 ELV-OL = .000
 ELV-OR = .000 ELV-IL = .000
 ELV-IR = .000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 3016/ 0 RN/L = 11.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPB1	CPB2
1.256	-6.980	-.30940	-.37740	-.48560	-.48990	-.42340	-.37620	-.36850	-.34770	-.37130
1.256	-5.720	-.30300	-.36950	-.47880	-.48130	-.42300	-.36920	-.36520	-.33990	-.36750
1.256	-4.610	-.29850	-.36050	-.47360	-.47400	-.41390	-.36940	-.36530	-.33470	-.36070
1.256	-3.560	-.29830	-.35410	-.47460	-.47430	-.41030	-.36710	-.36470	-.33330	-.35570
1.256	-2.530	-.29920	-.34950	-.46860	-.46970	-.40480	-.36100	-.36110	-.33260	-.34830
1.256	-1.510	-.29850	-.34760	-.46720	-.46920	-.40120	-.35790	-.35940	-.33070	-.34570
1.256	-.390	-.29660	-.34330	-.46560	-.46870	-.40000	-.35120	-.35370	-.32840	-.34160
1.256	.620	-.29830	-.34670	-.46210	-.46540	-.39770	-.34770	-.34930	-.33060	-.33980
1.256	1.640	-.29970	-.34770	-.46310	-.46590	-.39940	-.34460	-.34410	-.33440	-.34130
1.256	2.750	-.30130	-.34790	-.46310	-.46510	-.39980	-.34030	-.33840	-.33770	-.34270
1.256	3.850	-.29880	-.34830	-.46210	-.46290	-.39920	-.33040	-.32870	-.33820	-.34120
1.256	4.950	-.29970	-.35160	-.46380	-.46280	-.40190	-.32420	-.31960	-.34250	-.34410
1.256	6.040	-.30200	-.35310	-.46560	-.46540	-.40000	-.31880	-.31300	-.34580	-.34860
1.256	GRADIENT	-.00016.	.00074	.00125	.00124	.00124	.00464	.00474	-.00083	.00167

1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKD10) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 3019/ 0 RN/L = 7.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
.955	-6.380	-.33520	-.38030	-.41880	-.43010	-.43150	-.40780	-.40470	-.36980	-.36660
.955	-5.220	-.33880	-.39010	-.42240	-.43800	-.42920	-.39830	-.39520	-.38070	-.38230
.955	-4.210	-.33350	-.38300	-.43000	-.44490	-.43030	-.39580	-.39270	-.37460	-.37890
.955	-3.150	-.33050	-.38010	-.43770	-.44620	-.42060	-.38820	-.39150	-.37090	-.37410
.955	-2.190	-.32890	-.37410	-.44910	-.45070	-.41700	-.38280	-.39090	-.36940	-.37770
.955	-1.220	-.32610	-.36490	-.46010	-.46190	-.42100	-.38360	-.38440	-.35870	-.37050
.95	-.250	-.32190	-.36720	-.46760	-.47240	-.42750	-.37960	-.38220	-.35800	-.36670
.955	.710	-.32150	-.36390	-.46940	-.47530	-.43010	-.37850	-.38050	-.35610	-.36720
.955	1.660	-.31570	-.35550	-.46140	-.47060	-.42080	-.37170	-.37010	-.34680	-.35840
.955	2.710	-.30730	-.35240	-.46270	-.46920	-.42060	-.36520	-.35960	-.34310	-.35390
.955	3.760	-.30250	-.34730	-.46550	-.46680	-.41690	-.36150	-.35200	-.33780	-.34930
.955	4.820	-.30170	-.34180	-.46160	-.45850	-.40800	-.35180	-.34020	-.33240	-.34720
.955	5.860	-.29250	-.33580	-.46340	-.45800	-.40520	-.34960	-.33240	-.32300	-.33750
.955	6.890	-.29210	-.33320	-.46470	-.45530	-.40550	-.34430	-.32770	-.32520	-.33610
	GRADIENT	.00380	.00452	-.00335	-.00253	.00129	.00441	.00582	.00477	.00375

RUN NO. 3018/ 0 RN/L = 7.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.060	-6.470	-.43400	-.47900	-.62890	-.63580	-.58940	-.47230	-.46270	-.44520	-.45100
1.060	-5.450	-.42600	-.46630	-.62010	-.62530	-.57520	-.45650	-.45600	-.43800	-.44700
1.060	-4.450	-.42130	-.46050	-.61070	-.61430	-.56370	-.44960	-.44630	-.43390	-.44440
1.060	-3.380	-.41420	-.45420	-.60080	-.60330	-.54950	-.44450	-.43760	-.43060	-.44150
1.060	-2.310	-.40860	-.44800	-.59140	-.59100	-.53760	-.43540	-.43060	-.42560	-.43770
1.060	-1.330	-.40530	-.44470	-.59010	-.59040	-.53330	-.43030	-.42690	-.42450	-.43800
1.060	-.360	-.39870	-.44110	-.58390	-.58680	-.52870	-.42260	-.42230	-.42550	-.43980
1.060	.610	-.39800	-.44200	-.57570	-.58060	-.52460	-.41780	-.41660	-.42740	-.44110
1.060	1.660	-.39100	-.43850	-.57260	-.57940	-.52220	-.40880	-.40250	-.42460	-.43780
1.060	2.720	-.38680	-.43920	-.57040	-.57550	-.51740	-.40380	-.39960	-.42900	-.44060
1.060	3.690	-.38620	-.44170	-.56890	-.57350	-.51450	-.40220	-.39430	-.43410	-.44370
1.060	4.840	-.37970	-.44640	-.57020	-.57190	-.51300	-.39620	-.38890	-.44150	-.44490
1.060	5.890	-.37710	-.45050	-.57770	-.57850	-.51700	-.39590	-.38840	-.44900	-.45150
1.060	6.830	-.37590	-.45700	-.59200	-.59020	-.53110	-.39890	-.39070	-.45760	-.46000
	GRADIENT	.00433	.00163	.00447	.00420	.00500	.00597	.00624	-.00067	-.00021

DATE 15 JUL 76

TABULATED SOURCE DATA - IA141.

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IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKD10) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 3917/ 0 RN/L = 7.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.262	-6.490	-.33340	-.39140	-.49630	-.50110	-.44410	-.37110	-.36780	-.34920	-.36330
1.262	-5.450	-.32440	-.38780	-.49040	-.49320	-.43940	-.36460	-.36410	-.34040	-.35770
1.262	-4.420	-.32260	-.38420	-.48620	-.48700	-.43300	-.36090	-.35970	-.33550	-.35320
1.262	-3.440	-.32380	-.38210	-.48850	-.48760	-.43000	-.35770	-.35890	-.33310	-.35010
1.262	-2.460	-.32300	-.37290	-.48880	-.48810	-.42590	-.35320	-.35620	-.32970	-.34540
1.262	-1.480	-.32020	-.36930	-.48640	-.48700	-.42400	-.34650	-.35080	-.32750	-.34260
1.262	-.500	-.31700	-.36020	-.48420	-.48630	-.42330	-.33970	-.34330	-.32360	-.33630
1.262	.470	-.31480	-.35660	-.47990	-.48250	-.41960	-.33560	-.33830	-.32390	-.33690
1.262	1.450	-.31650	-.35380	-.47550	-.47780	-.41700	-.33180	-.33310	-.32540	-.33850
1.262	2.610	-.31880	-.35530	-.47090	-.47250	-.41460	-.32650	-.32470	-.32910	-.34350
1.262	3.670	-.31700	-.35080	-.46790	-.46870	-.41120	-.31930	-.31490	-.32720	-.33880
1.262	4.730	-.31890	-.35610	-.46740	-.46790	-.41070	-.31140	-.30370	-.33350	-.34500
1.262	5.780	-.31760	-.35810	-.46840	-.46870	-.40720	-.30570	-.29690	-.33630	-.34910
1.262	6.820	-.31990	-.36610	-.47520	-.47640	-.41330	-.30490	-.29680	-.34330	-.35860
1.262	GRADIENT	.00067	.00359	.00264	.00249	.00247	.00536	.00617	.00039	.00101

ORIGINAL PAGE IS
 OF POOR QUALITY

1A141-04 14 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKD11) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 3020/ 0 RN/L = 11.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
.998	-6.810	-.37660	-.40270	-.50480	-.51420	-.49220	-.42910	-.43430	-.39350	-.39610
.998	-5.640	-.36830	-.41260	-.49140	-.50340	-.47610	-.40390	-.40240	-.40940	-.40870
.998	-4.580	-.36260	-.41140	-.49500	-.50630	-.47420	-.39470	-.39160	-.41030	-.40860
.998	-3.480	-.35360	-.40780	-.49580	-.50250	-.46220	-.39210	-.38780	-.40470	-.40600
.998	-2.370	-.35010	-.40650	-.50080	-.50230	-.45780	-.38850	-.38750	-.40100	-.40480
.998	-1.360	-.34360	-.39590	-.50400	-.50730	-.45940	-.38550	-.38150	-.39650	-.40160
.998	-.340	-.33900	-.38950	-.51190	-.51680	-.46860	-.38700	-.38270	-.39200	-.39620
.998	.670	-.33560	-.38750	-.51300	-.51990	-.46910	-.38680	-.38120	-.38890	-.39480
.998	1.760	-.33910	-.38430	-.50400	-.51370	-.46000	-.38180	-.37420	-.38360	-.39050
.998	2.860	-.33120	-.38360	-.50830	-.51550	-.46160	-.37500	-.36080	-.38500	-.39210
.998	3.960	-.31780	-.38420	-.53290	-.53530	-.47150	-.37320	-.35910	-.39500	-.39480
.998	5.050	-.31430	-.38460	-.51480	-.51360	-.45270	-.37210	-.35620	-.38960	-.39000
.998	6.140	-.31710	-.37450	-.52550	-.52060	-.46220	-.37170	-.34960	-.37630	-.38340
	GRADIENT	.00439	.00369	-.00323	-.00300	-.00001	.00236	.00376	.00253	.00207

RUN NO. 3021/ 0 RN/L = 11.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.094	-6.950	-.39800	-.45670	-.59630	-.60320	-.55440	-.43840	-.42070	-.40770	-.41280
1.094	-5.860	-.39930	-.44560	-.59790	-.60360	-.55370	-.43790	-.43110	-.40610	-.41970
1.094	-4.810	-.39660	-.44020	-.59210	-.59700	-.54470	-.43050	-.42770	-.40510	-.41730
1.094	-3.690	-.39100	-.43380	-.58020	-.58450	-.52820	-.42490	-.42000	-.40110	-.41550
1.094	-2.570	-.38730	-.42760	-.57210	-.57400	-.51810	-.41900	-.41540	-.39990	-.41420
1.094	-1.540	-.38220	-.42240	-.56710	-.56790	-.50980	-.41360	-.41220	-.39940	-.41490
1.094	-.520	-.38030	-.42380	-.56620	-.56850	-.50880	-.40820	-.40910	-.40340	-.41940
1.094	.490	-.37920	-.42410	-.56890	-.56450	-.50590	-.40470	-.40500	-.40650	-.42410
1.094	1.590	-.37350	-.42070	-.55770	-.56430	-.50530	-.39900	-.39560	-.40530	-.42170
1.094	2.700	-.36910	-.41940	-.55700	-.56210	-.50110	-.39210	-.38800	-.40620	-.42150
1.094	3.910	-.36770	-.42780	-.55760	-.56180	-.50260	-.38540	-.38080	-.41800	-.42710
1.094	5.010	-.36200	-.43240	-.56170	-.56370	-.50340	-.37820	-.37220	-.42540	-.42910
1.094	6.110	-.35730	-.43500	-.57190	-.57280	-.51150	-.38250	-.37400	-.43050	-.43400
1.094	7.140	-.36660	-.44300	-.58310	-.58210	-.52290	-.39230	-.38020	-.44160	-.44430
	GRADIENT	.00334	.00162	.00379	.00358	.00433	.00509	.00514	-.00133	-.00126

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A14) 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFK011) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = -6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 3022/ 0 RN/L = 11.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.267	-7.000	-.34030	-.38860	-.50570	-.51120	-.44890	-.39060	-.37440	-.35240	-.36930
1.267	-5.900	-.33150	-.38190	-.49910	-.50400	-.44550	-.37460	-.36970	-.34270	-.36100
1.267	-4.810	-.32820	-.38030	-.49370	-.49670	-.44030	-.37090	-.36680	-.33590	-.35590
1.267	-3.680	-.32780	-.37630	-.49130	-.49210	-.43150	-.36500	-.36370	-.33180	-.35210
1.267	-2.450	-.32580	-.36840	-.49180	-.49260	-.42840	-.35820	-.36010	-.32780	-.34630
1.267	-1.430	-.32170	-.36330	-.48800	-.49050	-.42580	-.35040	-.35370	-.32630	-.34410
1.267	-.310	-.32070	-.35760	-.48560	-.48920	-.42440	-.34490	-.34810	-.32490	-.33940
1.267	.710	-.31920	-.35598	-.48070	-.48460	-.42080	-.34050	-.34240	-.32390	-.34070
1.267	1.810	-.32020	-.35490	-.47490	-.47830	-.41830	-.33550	-.33480	-.32600	-.34300
1.267	2.920	-.31870	-.35380	-.47080	-.47360	-.41380	-.32960	-.32740	-.32860	-.34520
1.267	4.030	-.31900	-.35370	-.46910	-.47200	-.41320	-.32010	-.31710	-.32930	-.34450
1.267	5.120	-.31810	-.35640	-.46990	-.47150	-.41250	-.31480	-.30540	-.33440	-.34930
1.267	6.210	-.32050	-.36310	-.47490	-.47780	-.41480	-.30970	-.30180	-.34050	-.35810
	GRADIENT	.00118	.00317	.00304	.00286	.00284	.00554	.00561	.00065	.00117

1A141 04 T4 S7 .0065 GRIT ON WING BODY AND VERT

(AFKD12) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 3025/ 0 RN/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
.957	-6.420	-.39730	-.40140	-.34500	-.35320	-.30210	-.40060	-.38840	-.39830	-.40500
.957	-5.280	-.39000	-.39740	-.34240	-.34550	-.30210	-.38770	-.37940	-.39760	-.40280
.957	-4.290	-.39060	-.40150	-.34540	-.34310	-.30500	-.38220	-.37530	-.40370	-.40720
.957	-3.250	-.38330	-.40090	-.34640	-.33760	-.30140	-.37720	-.36990	-.40470	-.40780
.957	-2.280	-.37610	-.39600	-.34090	-.32800	-.29010	-.37350	-.36980	-.40280	-.40450
.957	-1.320	-.36350	-.39240	-.33890	-.32850	-.28760	-.37340	-.37260	-.39600	-.40190
.957	-.360	-.35500	-.38270	-.33890	-.32980	-.28630	-.37230	-.37140	-.38470	-.39117
.957	.600	-.34290	-.37870	-.33990	-.33330	-.28640	-.37610	-.37480	-.37740	-.38540
.957	1.640	-.34210	-.37140	-.33960	-.33730	-.28480	-.36690	-.35920	-.37320	-.37950
.957	2.690	-.33640	-.36240	-.33940	-.33640	-.28550	-.36620	-.35120	-.36350	-.37230
.957	3.730	-.33100	-.35540	-.34660	-.34450	-.29560	-.36180	-.34830	-.35640	-.36050
.957	4.780	-.32260	-.34120	-.35450	-.35260	-.29030	-.36040	-.34760	-.33110	-.33500
.957	5.820	-.31360	-.33270	-.35890	-.35950	-.29290	-.35680	-.34180	-.32160	-.32220
	GRADIENT	.00756	.00665	-.00050	-.00129	.00169	.00217	.00324	.00767	.00738

RUN NO. 3024/ 0 RN/L = 6.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.058	-6.520	-.46050	-.48350	-.49220	-.49750	-.44400	-.47230	-.46210	-.46600	-.47990
1.058	-5.430	-.44570	-.47180	-.48460	-.48660	-.43650	-.44930	-.44050	-.45910	-.47140
1.058	-4.430	-.44160	-.46710	-.47980	-.47990	-.43190	-.43700	-.42860	-.45690	-.46850
1.058	-3.370	-.43530	-.45880	-.47870	-.47280	-.42610	-.43040	-.42270	-.44900	-.45980
1.058	-2.310	-.42210	-.44950	-.47230	-.46380	-.41110	-.42120	-.41470	-.43980	-.45300
1.058	-1.250	-.41320	-.44510	-.46020	-.45530	-.40100	-.41300	-.40760	-.43640	-.45090
1.058	-.280	-.40880	-.44290	-.45730	-.45550	-.39680	-.40900	-.40420	-.43470	-.44950
1.058	.680	-.38810	-.43030	-.46070	-.46190	-.40050	-.40310	-.39850	-.43370	-.44930
1.058	1.730	-.39330	-.43700	-.45940	-.46190	-.40280	-.39660	-.38440	-.43410	-.44910
1.058	2.780	-.38310	-.43690	-.46190	-.46670	-.40980	-.39530	-.38160	-.43500	-.45000
1.058	3.840	-.38570	-.43930	-.46900	-.47340	-.41680	-.39260	-.37490	-.43760	-.45120
1.058	4.980	-.39450	-.43880	-.47470	-.47840	-.42330	-.38970	-.37370	-.43960	-.45500
1.058	5.990	-.39820	-.44660	-.49060	-.49370	-.43330	-.38950	-.37370	-.44740	-.46320
	GRADIENT	.00610	.00282	.00095	-.00019	.00080	.00509	.00627	.00156	.00118

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKD12) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 3023/ 0 RN/L = 7.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.262	-6.570	-.35900	-.40400	-.40480	-.41130	-.35930	- 35860	-.34810	-.36910	-.38380
1.262	-5.510	-.35130	-.39550	-.40200	-.40700	-.35340	- 35680	-.34710	-.36120	-.37710
1.262	-4.480	-.34660	-.39220	-.39920	-.40490	-.35080	- 35240	-.34250	-.35650	-.37320
1.262	-3.420	-.34490	-.38760	-.39300	-.39870	-.34420	- 34220	-.33300	-.35370	-.36800
1.262	-2.250	-.33700	-.38200	-.39060	-.39480	-.33460	- 33710	-.32970	-.34940	-.36390
1.262	-1.270	-.33220	-.37510	-.38630	-.39090	-.32740	- 33450	-.32670	-.34470	-.36070
1.262	-.290	-.32980	-.37010	-.38240	-.38670	-.32220	- 33160	-.32330	-.34120	-.35650
1.262	.670	-.32510	-.36390	-.38500	-.38730	-.32750	- 33360	-.32030	-.33810	-.35440
1.262	1.730	-.32870	-.35960	-.38820	-.38930	-.33430	- 32470	-.31300	-.33870	-.35320
1.262	2.790	-.32090	-.35160	-.39090	-.39280	-.33700	- 32040	-.30770	-.33630	-.34770
1.262	3.850	-.31960	-.34920	-.39540	-.39750	-.34270	- 31610	-.30330	-.33720	-.34800
1.262	4.910	-.31810	-.34610	-.39860	-.40120	-.34760	- 31010	-.29510	-.33650	-.34680
1.262	5.950	-.32170	-.34860	-.40090	-.40330	-.34910	- 30840	-.29300	-.33950	-.34830
	GRADIENT	.00311	.00520	-.00012	.00033	.00001	.0039F	.00463	.00224	.00283

IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKD13) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 3026/ 0 RN/L = 11.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
.989	-6.770	-.42070	-.42650	-.38480	-.39170	-.33930	-.41750	-.40470	-.42690	-.43760
.989	-5.630	-.41070	-.42250	-.37190	-.37540	-.32940	-.40130	-.39440	-.42380	-.43230
.989	-4.580	-.40710	-.41230	-.37270	-.37170	-.32990	-.39520	-.38470	-.41950	-.42860
.989	-3.490	-.39690	-.41320	-.37620	-.36890	-.33150	-.38310	-.37590	-.41950	-.42860
.989	-2.270	-.39250	-.41670	-.37510	-.36250	-.32290	-.38030	-.37520	-.42210	-.42860
.989	-1.260	-.36980	-.40990	-.36820	-.35820	-.31680	-.37730	-.37390	-.41750	-.42160
.989	-.250	-.38490	-.40570	-.37190	-.36480	-.31480	-.37640	-.37640	-.41480	-.42010
.989	.730	-.37770	-.39640	-.37310	-.36910	-.31810	-.37660	-.37250	-.40590	-.41350
.989	1.810	-.37270	-.39130	-.37260	-.37080	-.31830	-.37470	-.36570	-.39900	-.40460
.989	2.910	-.36810	-.38990	-.38040	-.37980	-.32520	-.37300	-.36180	-.40000	-.40560
.989	4.000	-.35790	-.37550	-.38310	-.38310	-.32440	-.37420	-.36410	-.38130	-.38610
.989	5.070	-.35150	-.36810	-.38330	-.38410	-.31780	-.37130	-.35820	-.36630	-.36870
.989	6.160	-.33910	-.35400	-.37930	-.38020	-.31780	-.36760	-.35040	-.34700	-.34800
	GRADIENT	.00526	.00440	-.00085	-.00164	.00078	.00187	.00227	.00421	.00462

RUN NO. 3027/ 0 RN/L = 11.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.094	-6.920	-.41820	-.41710	-.45010	-.45080	-.39450	-.43440	-.42210	-.41770	-.43420
1.094	-5.750	-.41650	-.42820	-.44700	-.44590	-.39400	-.42230	-.41270	-.42490	-.43670
1.094	-4.640	-.41630	-.42760	-.44390	-.43980	-.39170	-.41210	-.40250	-.43030	-.44160
1.094	-3.580	-.41360	-.42680	-.44540	-.43750	-.39110	-.40570	-.39580	-.43250	-.44220
1.094	-2.540	-.40590	-.42210	-.44200	-.43100	-.37790	-.39980	-.39210	-.42580	-.43740
1.094	-1.500	-.39750	-.41970	-.43480	-.42820	-.36720	-.39150	-.38540	-.42000	-.43180
1.094	-.470	-.38960	-.41090	-.43180	-.42640	-.36850	-.38680	-.38220	-.41530	-.42980
1.094	.550	-.37700	-.41190	-.44130	-.43820	-.37700	-.38550	-.37560	-.41760	-.43050
1.094	1.580	-.37190	-.40490	-.44280	-.44140	-.38180	-.37640	-.36500	-.41640	-.42710
1.094	2.600	-.36870	-.40870	-.44920	-.44970	-.39170	-.37630	-.36120	-.41760	-.42930
1.094	3.620	-.36570	-.40770	-.45460	-.45570	-.39820	-.37310	-.35640	-.42040	-.42970
1.094	4.720	-.36950	-.41220	-.46460	-.46500	-.40990	-.36860	-.35280	-.42350	-.43630
1.094	5.830	-.38170	-.41450	-.47930	-.47780	-.41760	-.36870	-.35460	-.43010	-.44070
1.094	6.800	-.37370	-.41870	-.48920	-.48920	-.42390	-.37080	-.34990	-.43280	-.44670
	GRADIENT	.00604	.00224	-.00188	-.00292	-.00195	.00460	.00554	.00115	.00111

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TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKD13) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = 6.000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 3028/ 0 RN/L = 11.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.270	-7.010	-.35400	-.39450	-.40680	-.40820	-.35430	-.36450	-.35310	-.36980	-.38440
1.270	-5.910	-.35330	-.38760	-.40210	-.40500	-.35040	-.35150	-.34290	-.36520	-.37990
1.270	-4.820	-.35020	-.37890	-.39820	-.40170	-.34510	-.34600	-.33700	-.36080	-.37490
1.270	-3.580	-.34280	-.37330	-.39380	-.39620	-.33980	-.34010	-.33100	-.35620	-.36930
1.270	-2.540	-.33530	-.36870	-.39010	-.39080	-.33160	-.33520	-.32850	-.35140	-.36440
1.270	-1.500	-.32850	-.36210	-.38730	-.38960	-.32030	-.33180	-.32580	-.34600	-.36000
1.270	-.470	-.32480	-.35860	-.38270	-.38430	-.31900	-.32850	-.32230	-.34290	-.35770
1.270	.550	-.32490	-.35330	-.38540	-.38540	-.32490	-.32910	-.31850	-.34030	-.35560
1.270	1.560	-.32330	-.35310	-.38910	-.38770	-.33060	-.32370	-.31260	-.33930	-.35470
1.270	2.660	-.31780	-.34110	-.39110	-.38930	-.33410	-.31990	-.30630	-.33680	-.35010
1.270	3.770	-.31480	-.33710	-.39490	-.39390	-.33850	-.31520	-.30140	-.33710	-.34850
1.270	4.880	-.31500	-.33750	-.39760	-.39750	-.34220	-.30990	-.29570	-.33670	-.34800
1.270	5.980	-.31550	-.33430	-.39900	-.39900	-.34080	-.30480	-.29230	-.33670	-.34490
1.270	7.010	-.30780	-.33420	-.40280	-.40170	-.34000	-.30720	-.29270	-.33490	-.34440
	GRADIENT	.00352	.00455	-.00009	.00038	-.00008	00343	.00419	.00255	.00273

ORIGINAL PAGE IS
 OF POOR QUALITY

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKD14) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 4.500

RUN NO. 3036/ 0 RN/L = 4.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
.595	-6.100	-.18640	-.25400	-.35810	-.36990	-.28710	-.31820	-.30660	-.24660	-.26030
.595	-5.050	-.18790	-.25480	-.34360	-.35260	-.27880	-.30820	-.29840	-.24460	-.25720
.595	-4.090	-.18550	-.25290	-.33600	-.34520	-.27730	-.29950	-.29150	-.24330	-.25530
.595	-3.090	-.18650	-.24850	-.33550	-.34420	-.27650	-.29560	-.28910	-.23700	-.25080
.595	-2.090	-.19090	-.24360	-.33830	-.34250	-.28250	-.29020	-.28790	-.23540	-.24750
.595	-1.080	-.18730	-.23400	-.33320	-.34310	-.28130	-.28950	-.28790	-.23040	-.24290
.595	-.160	-.18390	-.22680	-.33200	-.34110	-.27860	-.28520	-.28010	-.22820	-.23940
.595	.760	-.18350	-.22490	-.32830	-.33420	-.27840	-.28090	-.27780	-.22280	-.23610
.595	1.850	-.18070	-.21850	-.33620	-.33880	-.28140	-.27660	-.27090	-.21860	-.22880
.595	2.850	-.17690	-.21040	-.33720	-.33560	-.27910	-.27060	-.26210	-.20980	-.22280
.595	3.850	-.17300	-.19440	-.33720	-.33520	-.27890	-.26480	-.26100	-.20150	-.21570
.595	4.850	-.17510	-.20380	-.34390	-.34230	-.28520	-.26490	-.25830	-.19840	-.20920
.595	5.850	-.16830	-.19930	-.35310	-.35220	-.28990	-.26480	-.25840	-.19730	-.20700
.595	GRADIENT	.09170	.00633	-.00052	.00087	-.00044	.00409	.00410	.00503	.00508

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TABULATED SOURCE DATA - IA141.

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IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKD15) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 3031/ 0 RN/L = 6.70 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
.960	-6.420	-.33000	-.33760	-.37850	-.39750	-.36440	-.41320	-.41110	-.32840	-.33260
.950	-5.330	-.32780	-.33730	-.37510	-.39510	-.35710	-.40410	-.32700	-.32880	
.960	-4.330	-.33190	-.34220	-.37440	-.39250	-.35450	-.39980	-.39990	-.33100	-.37260
.960	-3.270	-.33170	-.33790	-.37270	-.38700	-.35030	-.39080	-.39010	-.33460	-.33490
.960	-2.310	-.33480	-.34250	-.36910	-.37980	-.34360	-.38670	-.38690	-.33950	-.34130
.960	-1.350	-.33700	-.34150	-.37020	-.37990	-.34400	-.38630	-.38560	-.34450	-.34730
.960	-.400	-.33950	-.34550	-.37400	-.38930	-.34950	-.38090	-.38050	-.34400	-.35010
.960	.560	-.33470	-.34170	-.38750	-.40200	-.35350	-.37560	-.37450	-.34120	-.34720
.960	1.610	-.33500	-.34560	-.39360	-.40690	-.35400	-.37010	-.36750	-.34140	-.34740
.960	2.750	-.33000	-.34380	-.38830	-.40480	-.34620	-.36660	-.36500	-.33920	-.34370
.960	3.800	-.32610	-.33900	-.39290	-.41110	-.35010	-.36040	-.35650	-.33590	-.33740
.960	4.840	-.31700	-.32950	-.39390	-.41490	-.35130	-.35280	-.34710	-.32490	-.32480
.960	5.880	-.31330	-.32300	-.39930	-.41730	-.35430	-.34540	-.34010	-.32010	-.31890
.960	6.860	-.30380	-.31770	-.40870	-.42150	-.36150	-.34280	-.33540	-.30960	-.30850
	GRADIENT	.00128	.00057	-.00296	-.00353	-.00009	.00473	.00528	.00039	.00032

RUN NO. 3030/ 0 RN/L = 7.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.068	-6.430	-.39690	-.43940	-.53260	-.57530	-.51160	-.44710	-.44140	-.42090	-.43530
1.068	-5.420	-.38140	-.42020	-.53470	-.54290	-.48360	-.42640	-.42110	-.40330	-.42010
1.068	-4.420	-.37610	-.41080	-.52570	-.53360	-.47330	-.41480	-.40940	-.39520	-.41150
1.068	-3.430	-.37210	-.40260	-.51910	-.52600	-.46360	-.40520	-.39970	-.38740	-.40080
1.068	-2.400	-.36740	-.39580	-.51590	-.52410	-.45630	-.39830	-.39250	-.38030	-.39560
1.068	-1.370	-.36800	-.39290	-.51120	-.51970	-.44940	-.39180	-.38550	-.37640	-.38930
1.068	-.250	-.36760	-.39110	-.50560	-.51390	-.44970	-.38580	-.37800	-.37400	-.39410
1.068	.740	-.36370	-.38610	-.51670	-.52710	-.45620	-.38000	-.37300	-.37000	-.37930
1.068	1.760	-.36030	-.38560	-.51590	-.52480	-.45290	-.37230	-.36660	-.36890	-.38260
1.068	2.750	-.35460	-.38920	-.52140	-.52980	-.45530	-.36980	-.35890	-.37220	-.38930
1.068	3.740	-.35840	-.39490	-.52800	-.53730	-.46570	-.36510	-.35550	-.37840	-.39470
1.068	4.730	-.35820	-.39990	-.53960	-.54620	-.48100	-.35930	-.35340	-.38210	-.39560
1.068	5.720	-.36420	-.40870	-.55400	-.55710	-.49800	-.35650	-.34920	-.39290	-.40690
1.068	6.700	-.36970	-.41510	-.56770	-.56990	-.51500	-.35970	-.34930	-.39840	-.41240
1.068	7.680	-.37750	-.42490	-.57970	-.58010	-.52890	-.35260	-.35240	-.40080	-.41150
	GRADIENT	.00206	.00128	-.00140	-.00145	-.00057	.00586	.00619	.00149	.00146

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TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKD15) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 7.000

RUN NO. 3029/ 0 RN/L = 7.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.268	-6.480	-.30780	-.38580	-.45680	-.45840	-.40750	-.35370	-.34840	-.34590	-.36090
1.268	-5.430	-.30670	-.37410	-.45330	-.45500	-.40150	-.34310	-.33900	-.33720	-.35250
1.268	-4.290	-.30070	-.36800	-.45150	-.45290	-.39570	-.33420	-.32920	-.33360	-.34910
1.268	-3.310	-.31140	-.35690	-.45000	-.44970	-.39050	-.32710	-.32240	-.32870	-.34350
1.268	-2.330	-.31400	-.35250	-.44610	-.44510	-.38540	-.32120	-.31530	-.32410	-.34110
1.268	-1.340	-.30950	-.34780	-.44360	-.44140	-.37970	-.31790	-.31100	-.31950	-.33630
1.268	-.360	-.31140	-.34420	-.44190	-.43970	-.37780	-.31300	-.30500	-.31710	-.33440
1.268	.610	-.30090	-.33610	-.44300	-.44180	-.37600	-.30900	-.30120	-.31330	-.32980
1.268	1.590	-.29640	-.33350	-.44410	-.44300	-.37680	-.30540	-.29550	-.31260	-.32840
1.268	2.550	-.29560	-.33050	-.44210	-.44060	-.37420	-.30130	-.29850	-.31180	-.32710
1.268	3.530	-.29190	-.32670	-.44120	-.43940	-.37250	-.29260	-.28180	-.31150	-.32470
1.268	4.590	-.29020	-.32340	-.44590	-.44600	-.37770	-.28440	-.27490	-.31140	-.32440
1.268	5.660	-.28640	-.32190	-.45640	-.45700	-.38720	-.27640	-.26650	-.31160	-.32560
1.268	6.700	-.28590	-.32230	-.46480	-.46610	-.39510	-.26840	-.25440	-.31260	-.32850
1.268	GRADIENT	.00230	.00478	.00081	.00092	.00218	.00513	.00591	.00251	.00279

DATE 15 JUL 76

TABULATED SOURCE DATA - 1A141.

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1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKD16) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 SREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPOBRK = .000 RUDDER = .000
 RN/L = 9.000

RUN NO. 3034/ 0 RN/L = 9.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.078	-6.620	-.38120	-.41310	-.53300	-.54890	-.48580	-.43470	-.42840	-.40160	-.41500
1.078	-5.480	-.37460	-.40620	-.52060	-.53440	-.47350	-.42260	-.41460	-.39440	-.40900
1.078	-4.470	-.36950	-.39900	-.51600	-.52490	-.46570	-.41310	-.40590	-.38660	-.40230
1.078	-3.440	-.36680	-.39240	-.51170	-.51980	-.45820	-.40420	-.39730	-.37970	-.39400
1.078	-2.390	-.36390	-.38700	-.50890	-.51750	-.45160	-.39540	-.38770	-.37530	-.38970
1.078	-1.320	-.36460	-.38560	-.50630	-.51560	-.44810	-.39000	-.38220	-.37120	-.39410
1.078	-.160	-.36560	-.38380	-.50510	-.51480	-.45100	-.38470	-.37630	-.37070	-.37770
1.078	.910	-.36180	-.38070	-.51450	-.52580	-.45660	-.37790	-.37180	-.36710	-.37670
1.078	1.980	-.35740	-.38140	-.51460	-.52480	-.45260	-.37260	-.36740	-.36720	-.38280
1.078	3.060	-.35100	-.38320	-.51590	-.52530	-.45300	-.36580	-.35830	-.36850	-.38670
1.078	4.130	-.35430	-.38910	-.52720	-.53630	-.46970	-.36020	-.35310	-.37270	-.39100
1.078	5.210	-.35630	-.39760	-.53880	-.54500	-.48670	-.35550	-.34640	-.38130	-.39410
1.078	6.270	-.36030	-.40310	-.55350	-.55730	-.50460	-.35440	-.34260	-.38720	-.40390
	GRADIENT	.00191	.00128	-.00119	-.00135	-.00018	.00592	.00584	.00168	.00136

1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKD17) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.000

RUN NO. 3037/ 0 RN/L = 10.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPB72
.597	-6.370	-.18170	-.27050	-.35260	-.36680	-.28790	-.32560	-.31970	-.24500	-.25180
.597	-5.350	-.18620	-.24850	-.34600	-.35870	-.28530	-.31880	-.31220	-.25010	-.25190
.597	-4.350	-.18320	-.24700	-.34080	-.35470	-.28520	-.30970	-.30640	-.24420	-.25520
.597	-3.300	-.18510	-.24340	-.33790	-.34820	-.28570	-.30590	-.29770	-.24230	-.25300
.597	-2.340	-.18240	-.25220	-.34010	-.35170	-.29110	-.33010	-.29630	-.24190	-.25090
.597	-1.380	-.19000	-.24280	-.33440	-.34570	-.28580	-.29780	-.29490	-.23860	-.24590
.597	-.410	-.18560	-.24300	-.33440	-.34570	-.28740	-.29790	-.29640	-.23510	-.24260
.597	.550	-.18110	-.23330	-.33090	-.34390	-.28730	-.28930	-.28530	-.23200	-.23880
.597	1.510	-.18250	-.21500	-.33620	-.34060	-.29080	-.28510	-.28180	-.22500	-.23110
.597	2.560	-.18290	-.20170	-.34110	-.34450	-.29110	-.28290	-.27840	-.21780	-.22650
.597	3.510	-.17190	-.20090	-.34070	-.34660	-.28690	-.27620	-.26870	-.21050	-.21840
.597	4.560	-.17440	-.19300	-.34500	-.34830	-.29130	-.27530	-.27180	-.20970	-.21180
.597	5.610	-.17640	-.20990	-.35180	-.35560	-.29650	-.27750	-.27030	-.20590	-.21110
	GRADIENT	.00133	.00698	-.00041	.00075	-.00048	.00401	.00404	.00431	.00496

IA141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKD18) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-IL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 3032/ 0 RN/L = 11.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPB81	CPB82
.997	-6.810	-.34730	-.36130	-.44960	-.47350	-.41610	-.43000	-.42520	-.34820	-.35410
.997	-5.680	-.33810	-.35420	-.43450	-.45890	-.40280	-.40690	-.40300	-.33910	-.34630
.997	-4.620	-.33380	-.35170	-.42860	-.45170	-.39550	-.39750	-.39500	-.33880	-.34300
.997	-3.610	-.33210	-.35260	-.41950	-.43880	-.38530	-.39120	-.38880	-.33330	-.33660
.997	-2.500	-.33200	-.34580	-.42230	-.43650	-.38290	-.39120	-.38920	-.33170	-.33760
.997	-1.490	-.33470	-.34370	-.41220	-.42610	-.37730	-.38990	-.38820	-.33620	-.34040
.997	-.490	-.33030	-.34900	-.40890	-.42700	-.38130	-.39490	-.38380	-.33200	-.33590
.997	.500	-.33270	-.34860	-.42580	-.44620	-.39120	-.37460	-.37210	-.33590	-.33800
.997	1.600	-.33130	-.35600	-.43410	-.45320	-.38900	-.36960	-.36730	-.33590	-.33850
.997	2.690	-.33050	-.35420	-.43340	-.45460	-.38560	-.36550	-.36170	-.33780	-.33570
.997	3.790	-.33440	-.35080	-.44300	-.46530	-.39520	-.36490	-.35790	-.34350	-.34220
.997	4.880	-.33460	-.35670	-.44710	-.46960	-.40180	-.35860	-.35190	-.33920	-.34070
.997	5.970	-.33040	-.35040	-.45770	-.47730	-.41070	-.35720	-.35250	-.33800	-.33920
.997	6.980	-.32830	-.34250	-.46170	-.47520	-.41250	-.35280	-.34600	-.33340	-.33590
	GRADIENT	-.00005	-.00064	-.00273	-.00312	-.00107	.00422	.00470	-.00063	-.00004

RUN NO. 3033/ 0 RN/L = 11.30 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPB81	CPB82
1.095	-6.890	-.37160	-.40470	-.52120	-.53640	-.47560	-.42540	-.41860	-.39030	-.40150
1.095	-5.680	-.36910	-.39940	-.51360	-.52630	-.46520	-.41780	-.41110	-.38730	-.39940
1.095	-4.600	-.36480	-.39320	-.50800	-.51740	-.46020	-.40850	-.40080	-.38200	-.39550
1.095	-3.480	-.36170	-.38910	-.50530	-.51250	-.45290	-.39680	-.38960	-.37540	-.38900
1.095	-2.450	-.35970	-.38270	-.50530	-.51380	-.44880	-.39000	-.38360	-.37310	-.38660
1.095	-1.420	-.35570	-.38060	-.50120	-.51090	-.44350	-.38370	-.37810	-.36810	-.38220
1.095	-.400	-.35690	-.37780	-.49640	-.50760	-.44290	-.37940	-.37230	-.36550	-.37800
1.095	.600	-.35530	-.37470	-.50520	-.51740	-.45020	-.37270	-.36680	-.36170	-.37400
1.095	1.610	-.35080	-.37750	-.50770	-.52000	-.44760	-.36900	-.36080	-.36280	-.37710
1.095	2.710	-.34740	-.37330	-.51250	-.52370	-.44820	-.36210	-.35510	-.35970	-.37460
1.095	3.820	-.34580	-.37410	-.51540	-.52690	-.45610	-.35560	-.34830	-.35980	-.37650
1.095	4.930	-.34890	-.37870	-.52580	-.53450	-.47080	-.34950	-.34410	-.36180	-.38070
1.095	6.020	-.35100	-.38800	-.54200	-.54790	-.49120	-.34550	-.33980	-.36820	-.38690
	GRADIENT	.00192	.00170	-.00172	-.00198	-.00080	.00585	.00578	.00218	.00176

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OF POOR QUALITY

1A141 04 T4 S7 .0065 GRIT ON WING,BODY AND VERT

(AFKD18) (15 JUL 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1290.3000 INCHES YMRP = .0000 IN. YT
 BREF = 1290.3000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELV-OL = 9.000
 ELV-OR = 9.000 ELV-TL = 10.000
 ELV-IR = 10.000 BDFLAP = .000
 SPDBRK = .000 RUDDER = .000
 RN/L = 11.500

RUN NO. 3035/ 0 RN/L = 11.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CPB2	CPB3	CPB4	CPB5	CPB6	CPB7	CPB8	CPBC1	CPBC2
1.273	-6.930	-.31330	-.37770	-.45870	-.46230	-.41290	-.35900	-.35320	-.34320	-.35660
1.273	-5.820	-.31570	-.36690	-.45530	-.45830	-.40630	-.34830	-.34430	-.33810	-.35170
1.273	-4.630	-.32350	-.35630	-.45370	-.45660	-.40260	-.33950	-.33500	-.33410	-.34660
1.273	-3.500	-.32290	-.35250	-.45280	-.45400	-.39720	-.33230	-.32720	-.33100	-.34560
1.273	-2.470	-.32340	-.34820	-.44700	-.44770	-.38880	-.32610	-.32020	-.32620	-.34310
1.273	-1.440	-.32130	-.34620	-.44300	-.44280	-.38520	-.32010	-.31390	-.32240	-.34060
1.273	-.420	-.32090	-.33920	-.44060	-.44080	-.38030	-.31630	-.30860	-.31940	-.33710
1.273	.580	-.30360	-.33100	-.44180	-.44260	-.37890	-.31090	-.30320	-.31540	-.33250
1.273	1.590	-.29520	-.32550	-.44230	-.44360	-.37800	-.30880	-.29860	-.31360	-.32810
1.273	2.700	-.28900	-.32300	-.44390	-.44000	-.37500	-.30250	-.29040	-.31380	-.32690
1.273	3.810	-.28850	-.31910	-.44080	-.44240	-.37600	-.29480	-.28400	-.31490	-.32670
1.273	4.930	-.28850	-.31810	-.45220	-.45600	-.38640	-.28560	-.27640	-.31600	-.32720
1.273	5.940	-.28680	-.31860	-.45950	-.46200	-.39180	-.27720	-.26830	-.31550	-.32950
	GRADIENT	.00474	.00446	.00078	.00068	.00221	.00523	.00595	.00211	.00247