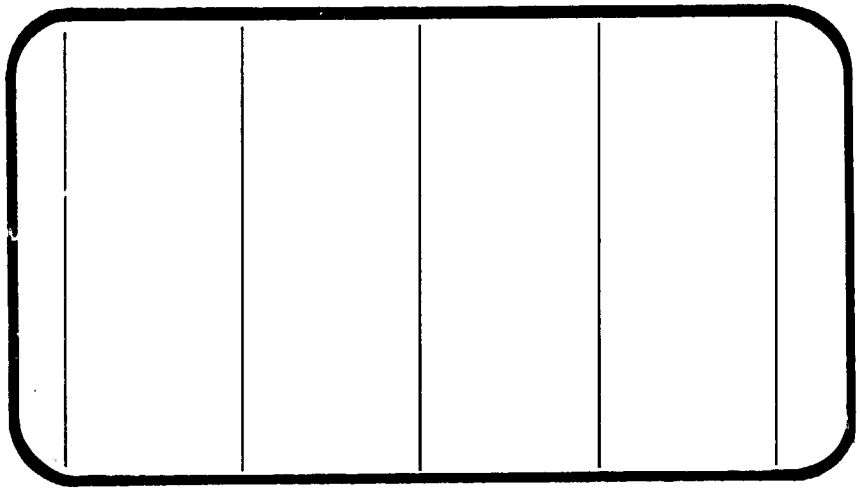
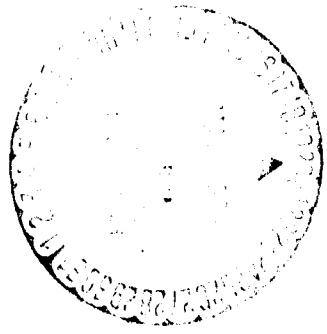
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

NASA CR-
134450





SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT

JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANagement services

SPACE DIVISION CHRYSLER CORPORATION

March, 1975

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VOLUME 8 OF 11

AIRLOADS INVESTIGATION OF AN 0.030-SCALE MODEL OF THE SPACE SHUTTLE VEHICLE 140A/B LAUNCH CONFIGURATION (MODEL 47-OTS) IN THE ARC 11-FOOT UNITARY PLAN WIND TUNNEL FOR MACH RANGE 0.6 TO 1.4 (IA14A)

by

R. L. Gillins
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Prepared under NASA Contract Number NAS9-13247

by

Data Management Services
Chrysler Corporation Space Division

for

Engineering Analysis Division

Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL SPECIFICS:

Test Number:	ARC 11-716
NASA Series No.:	IA14A
Model Number:	47-OTS
Test Dates:	4 through 13 September 1973

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AIRLOADS INVESTIGATION OF AN 0.030-SCALE MODEL OF THE SPACE SHUTTLE VEHICLE 140A/B LAUNCH CONFIGURATION (MODEL 47-OTS) IN THE ARC 11-FOOT UNITARY PLAN WIND TUNNEL FOR MACH RANGE 0.6 TO 1.4 (IA14A)

VOLUME 8

By R. L. Gillins, Rockwell International Space Division

ABSTRACT

This report presents results of tests conducted on an 0.030-scale launch configuration model of the Space Shuttle Vehicle 140A/B in the NASA/ARC 11-Foot Unitary Plan Wind Tunnel. Aerodynamic loads data were obtained at Mach numbers from 0.6 to 1.4.

Surface pressure distributions were obtained simultaneously with six-component stability and control force data on the complete launch configuration. The configuration consisted of the orbiter, an external tank, two solid rocket boosters, and associated intercomponent attach hardware. Angles of attack and sideslip from -10 degrees to +10 degrees were investigated. The tests, designated IA14A, were conducted from 4 September 1973 through 13 September 1973.

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INTRODUCTION

The 0.030-scale aero loads Space Shuttle Model was tested in the ARC Unitary Plan Wind Tunnels as follows:

IA14A	4 thru 13 Sept. 1973
IA14B	17 thru 19 Sept. 1973
OA22A	13 thru 14 Sept. 1973
OA22B	19 thru 20 Sept. 1973

For tests IA14B, OA22A, and OA22B, see reference 34, 35, and 36, respectively.

The testing was conducted in the 11-foot and the 9- by 7-foot tunnels of the ARC Unitary Plan Wind Tunnels. The IAI4A/B tests were for the launch configurations at Mach numbers from 0.6 to 2.2. The OA22A/B tests were for the orbiter alone configuration at Mach numbers from 0.6 to 2.2. The effects of control surface deflections were also investigated in tests OA22A/B.

This report for test IA14A consists of one volume of force data and ten volumes of pressure data for a total of eleven volumes arrayed in the following manner:

Volume No.	Contents	Page
1.	IA14A force data	
2.	IA14A plotted pressure data	
3.	IA14A tabulated pressure data	
	(a) Orbiter fuselage (B)	1-725
	(b) Orbiter base (C)	726-918

NOMENCLATURE
General

SYMBOL	SADSAC SYMBOL	DEFINITION
a		speed of sound; m/sec, ft/sec
C_p	CP	pressure coefficient; $(p_l - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m^2, psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m^2, psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m^3, $slugs/ft^3$
		Reference & C.G. Definitions
A_b		base area; m^2, ft^2
b	BREF	reference span; m, ft
c.g.		center of gravity
$\bar{c}$		reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m^2, ft^2
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
∞	free stream

NOMENCLATURE (Continued)

Body-Axis System

SYMBOL	SADSAC SYMBOL	DEFINITION
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{A_b}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$
C_ℓ	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$
		Stability-Axis System
C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS\ell_{REF}}$
C_n	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qSb}$
C_ℓ	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qSb}$
L/D	L/D	lift-to-drag ratio; C_L/C_D

NOMENCLATURE (Continued)
Additions To Standard List

Symbol	SADSAC Symbol	Definition
$A_{(\ )}$		model base area, subscript is base orifice number and identifies location
C_{A_b}	CAB	model base axial-force coefficient
$C_{p_{(\ )}}$		model static pressure coefficient, subscript is orifice number, $[p_{(\ )} - p_\infty]/q$
C_{AU}	CA	axial-force coefficient, unadjusted
C_{AF}	CAF	forebody axial-force coefficient, C_{AU} adjusted for base terms
ET		external tank
IV		integrated vehicle, consists of orbiter, external tank, and two solid rocket motors
ℓ_{REF}	LREF	reference length, inches
MRC		moment reference center
OMS		orbital maneuvering system
δ_e	ELEVON	elevon, surface deflection angle, positive deflection trailing edge down, degrees
δ_f	BDFLAP	orbiter body flap deflection angle, positive deflection angle is trailing edge down, degrees
δ_R	RUDDER	rudder, surface deflection angle, positive deflection trailing edge to the left, degrees
δ_{SB}	SPDBRK	speed brake deflection angle, left split rudder trailing edge left and right split rudder trailing edge right, $\delta_{SB} = (\delta_{RL} + \delta_{RR})/2$, positive deflection, degrees
i_o	ORBINC	incidence angle between the orbiter and external tank, $i_0 = \alpha_0 - \alpha_T$, degrees

NOMENCLATURE (Continued)

β_T	BETAT	angle of sideslip of external tank, degrees
α_T	ALPHAT	angle of attack of external tank, degrees
ℓ_B	LB	length of orbiter body, in
ℓ_T	LT	length of external tank, in
ℓ_S	LS	length of SRM booster, in
ℓ_{NM}	LNM	length of OMS nozzle, positive direction forward of exit plane, in
ℓ_{NP}	LNP	length of MPS nozzle, positive direction forward of exit plane,in
b/2	BW	wing semi-span, in
b_v	BV	vertical tail span, in
x	X	distance from component nose, in
y	Y	lateral distance from centerline, in
z	Z	vertical distance measured from W.L. 500 (vertical tail reference root chord), in
c_w	CW	local wing chord, in
c_v	CV	local vertical tail chord, in
x/ℓ_B	X/LB	longitudinal position/orbiter body length
x/ℓ_T	X/LT	longitudinal position/external tank length
x/ℓ_S	X/LS	longitudinal position/booster length
x/ℓ_{NM}	X/LNM	longitudinal position/OMS nozzle length

NOMENCLATURE (Concluded)

x/ℓ_{NP}	X/LNP	longitudinal position/MPS nozzle length
x/c_w	X/CW	local chordwise position/local wing chord length
x/c_v	X/CV	local chordwise position/local vertical tail chord length.
η	Y/BW	local spanwise position/wing semi-span
η_v	Z/BV	local spanwise position/vertical tail span
x_{CP}/ℓ	XCP/L	center of pressure distance from MRC, expressed as a fraction of body length
β_0	BETAO	angle of sideslip of orbiter
α_0	ALPHAO	angle of attack of orbiter

CONFIGURATIONS INVESTIGATED

The 0.030-scale Aero Loads Model, 47-OTS, was configured after the Shuttle Vehicle MCR 0200 Baseline R1, as defined in drawing number VL70-000088B. The orbiter configuration was a combination of the VL70-000140A orbiter and a VL70-000140B wing and midbody, from which the 140A/B designation was derived. The basic launch configuration consisted of the orbiter, an external tank with simulated fuel and vent lines, and two solid rocket boosters, designated O_1 T_{12} S_{12} N_{25}.

Three launch configurations were tested. One was the basic configuration described above mounted on a dual balance and sting arrangement, illustrated in figure 2d. A second contained attach hardware, designated AT_{10}, mating the orbiter with the external tank and mounted on a single sting and balance in the orbiter, illustrated in figure 2b. The third utilized a similar attach hardware configuration, designated AT_{11}, which was attached to the orbiter but not to the external tank and was mounted on the same dual sting and balance arrangement as the basic configuration (figure 2c). In all three configurations, the SRB-to-ET attach hardware was simulated at the forward attach location but not at the aft attach location. Model and component general arrangements are shown in figures 2e through 2o.

Component	Description
O_1	140A/B orbiter minus the main propulsion system nozzles
T_{12}	324-inch diameter external tank with ogive nose and external fuel and vent lines
S_{12}	142.3-inch diameter solid rocket boosters

N_{25}	Nozzles for S_{12} boosters
AT_{10}	Orbiter-to-ET attach hardware, fixed to both vehicles
AT_{11}	Orbiter-to-ET attach hardware, fixed to orbiter only
LV	O_1 T_{12} S_{12} N_{25}
LVA	O_1 T_{12} S_{12} N_{25} AT_{10}
LVA^P	O_1 T_{12} S_{12} N_{25} AT_{11}

The orbiter O_1, consisted of the following components:

B_{26} C_9 F_8 M_7 N_{28} V_8 R_5 W_{116} E_{26}.

B_{26}	Double delta wing fuselage, 140A/B
C_9	Canopy, 140A
F_8	Body flap, 140A
M_7	OMS pods, 140A
N_{28}	OMS nozzles, 140A
V_8	Vertical tail, 140A
R_5	Rudder, 140A
W_{116}	Double delta wing, 140B
E_{26}	Elevons, 140B

Parametric investigations were limited to angles of attack and sideslip with all orbiter control surfaces at 0° deflection.

INSTRUMENTATION DESCRIPTION

The left side of the orbiter and the external tank and the left hand SRB were extensively instrumented with pressure orifices for measurement of surface static pressure distributions. Additionally, there were clusters of orifices around inter-component attach structure locations on the right hand side of the orbiter and external tank. The orbiter contained 471 operational orifices, of which 83 were clustered around attach structure. The external tank contained 270 operational orifices, of which 127 were clustered around attach structure. The SRB contained 124 operational orifices. A three-tube total pressure rake was installed in the opening between the orbiter and external tank. Tables and sketches defining orifice locations are included in this report. All model pressures were measured by model mounted Scanivalve, Inc., S-type scanivalve modules - twelve in the orbiter, seven in the external tank, and five in the SRB.

Force instrumentation consisted of a six-component internal force balance in both the orbiter and external tank for the LV and LVAP configurations, and a single six-component internal force balance in the orbiter for the attached LVA configuration.

TEST FACILITY DESCRIPTION

The tests were conducted in the Ames 11- by 11-Foot Transonic Wind Tunnel which is a variable density, closed return, continuous flow type. This tunnel has an adjustable nozzle (two flexible walls) and a slotted test section to permit transonic testing over a Mach number range continuously variable from 0.4 to 1.4.

DATA REDUCTION

Data were reduced to coefficient form about body axes using the following reference constants:

$S_{REF} = 2.421\ ft^2$	reference area for force and moment coefficients
$\ell_{REF} = 38.709$ in	reference length for moment coefficients
$A_1 = 0.07670\ ft^2$	Orbiter sting cavity
$A_2 = 0.21340\ ft^2$	Orbiter heat shield base
$A_3 = 0.08560\ ft^2$	Orbiter OMS base (2)
A_4 = (see table below)	Orbiter speed brake base
$A_{501} = 0.07266\ ft^2$	Tank sting cavity
$A_{502} = 0.44264\ ft^2$	Tank base
$A_{801} = 0.19600\ ft^2$	SRM nozzle base (2)
$A_{802} = 0.16590\ ft^2$	SRM skirt base (2)

δ_{SB} = deg	A_4 = ft^2
0	0
14.92	0.02327
24.92	0.03866
34.92	0.05370
54.92	0.08252
84.92	0.12083

$X_{MRP} = 0$ in

$Y_{MRP} = 0$ in

$Z_{MRP} = 9.99$ in

The incidence angle between the orbiter and the external tank is equal to zero for angle of attack and angle of sideslip. Therefore, the angle of attack, ALPHA, used in the force plots is equal to ALPHAO. Also the angle of sideslip, BETA, used in the force plots is equal to BETAO.

The force and moment data recorded by the orbiter balance for configuration LV and LVAP are identified as RB10XX datasets. Force and moment data recorded by the tank balance for configuration LV and LVAP and by the orbiter balance for LVA (composite) are identified by RB11XX.

The pressure data were recorded for each component. The fourth character in each dataset identifier (i.e. RB1BXX, B for fuselage) represents the individual component. The following list indicates the symbol for each component.

SYMBOL	COMPONENT
B	Orbiter fuselage
C	Orbiter base
E	OMS nozzle
F	Body flap
M	OMS pod outside
L	Lower wing surface
U	Upper wing surface
R	Right vertical tail surface
V	Left vertical tail surface
S	SRM booster
T	External tank
X	SRM nozzle

SYMBOL	COMPONENT
Y	External tank base & SRM booster base
1	Orbiter attach points
2	External tank attach points
3	External tank base rake

REFERENCES

1. Orbiter - Lines and Configuration Control Drawings
2. VL70-000140A, Orbiter Configuration Control Drawing MCR 0200 Baseline
3. VL70-000143A, Lines Control, Vehicle 4 Forward Body - Cabin - Canopy MCR 0200 Baseline
4. VL70-000200, Lines Control, Midbody - Wing - Boot Fairing MCR 200 R3 dated 7-2-73
5. VL70-000145, Lines Control - Aft Body - OMS/RCS Pods, MCR 0200 - R1 baseline
6. VL70-000146A, Lines Control (Vehicle 4) Vertical Tail MCR 0200 Baseline
7. External Oxygen Hydrogen Tank (EOHT) - Lines and Configuration Control Drawings
8. VL78-000041B, External Tank - Configuration Control MCR 0200 Baseline R2
9. VL78-000024A, Structural Assy - External Tank MCR 0200 R2
10. VL78-000031A, Thermal Protection - External Tank, MCR 0200 Baseline
11. Solid Rocket Boosters (SRB) - Lines and Configuration Control Drawings
12. VL77-000036A, SRB Configuration Control MCR 0200 R1
13. VL77-000041, SRB Booster Assy, MCR 0200 R1
14. Integrated Vehicle - Lines and Configuration Control Drawings
15. VL72-000088A, Shuttle Configuration MCR 0200 Baseline R1
16. VL72-000089, SRB-ET-Orbiter Interface Disconnects MCR 0200 Baseline
17. VL72-000075, External Tank to SRB Attach Interface MCR 0074 Baseline
18. Aero Loads Model 47-OTS - Model Fabrication, Assembly and Installation Drawings

19. SS-A00119, Orbiter Assy - .030 Scale Pressure/Loads Model (140A/B Lines)

20. SS-A00120, Assy & Details - EOHT - .030 Scale Pressure/Loads Model (140A Lines)

21. SS-A00121, Orbiter/EOHT Attachments .030 Scale Pressure/Loads Model (140A Lines)

22. SS-A00122, Assy & Details - SRM - .030 Scale Pressure/Loads Model (140A Lines)

23. SS-A00123, Assy & Details - Forebody - .030 Scale Pressure/Loads Model (140A Lines)

24. SS-A00124, Assy & Details - Aft Fuselage - .030 Scale Pressure/Loads Model (140A Lines)

25. SS-A00125, Assy & Details - Wing Splice Plate & Cuff - .030 Scale Pressure/Loads Model (140A Lines)

26. SS-A00126, Assy & Details - Vertical Stabilizer - .030 Scale Pressure/Loads Model (140A Lines)

27. SS-A00127, Ames 11-ft x 11-ft Wind Tunnel Installation - .030 Scale Pressure/Loads Model (140A/B Lines)

28. SS-A00128, Ames 9-ft x 7-ft Wind Tunnel Installation - .030 Scale Pressure/Loads Model (140A/B Lines)

29. SS-A00130, Lines Control - Profile VL70-000140A - .030 Scale Pressure/Loads Model (140A/B Lines)

30. W-1104S Sting - Ames MK II 4" Balance (Male End), Ames MK XX 2.5" Balance

31. W-1105S, Sting - Ames MK II 4" Balance (Male End), RI MK I 2.75 Balance

32. W-1106A, Adapter - Ames MK II, 4" Balance (Male & Female)

33. W-1107A, 13.5" Bent Sting Adapter Ames MK II 4" Balance (Male & Female)

34. (DMS-DR-2129), "Airloads Investigation of an 0.030-Scale Model of the Space Shuttle Vehicle 140A/B Launch Configuration (Model 47-OTS) in the ARC 9- by 7-foot Unitary Plan Wind Tunnel for Mach Range 1.55 and 2.2 (IA14B)"

35. (DMS-DR-2130), "Airloads Investigation of an 0.030-Scale Model of the Space Shuttle Vehicle 140A/B Orbiter Configuration (Model 47-O) in the ARC 11-foot Unitary Plan Wind Tunnel for Mach Range 0.6 and 0.9 (OA22A)"

36. (DMS-DR-2131), "Airloads Investigation of an 0.030-Scale Model of the Space Shuttle Vehicle 140A/B Orbiter Configuration (Model 47-O) in the ARC 9- by 7-foot Unitary Plan Wind Tunnel for Mach Range 1.55 and 2.2 (OA22B)"

TABLE I.

TEST : IA-14A

DATE : 9-13-73

TEST CONDITIONS

MACH NUMBER	REYNOLDS NUMBER (per unit length)	DYNAMIC PRESSURE (pounds/sq. ft.)	STAGNATION TEMPERATURE (degrees Fahrenheit)
0.60	4.0×10^6	480	120
0.75	3.75×10^6	540	120
0.85	3.5×10^6	550	120
0.90	3.5×10^6	580	120
0.95	3.25×10^6	610	120
0.975	3.0×10^6	530	120
1.00	3.0×10^6	535	120
1.025	3.0×10^6	540	120
1.05	3.0×10^6	545	120
1.10	3.0×10^6	550	120
1.15	3.0×10^6	575	120
1.25	2.75×10^6	540	120
1.40	2.75×10^6	570	120

BALANCE UTILIZED: LVA: 2.5-in MK XX (ORBITER)
LVAP: 2.5-in MK XX (ORB.), 2.75-in MK I (ET)

	CAPACITY. MK XX	CAPACITY. MK I	ACCURACY: MK XX	ACCURACY: MK I	COEFFICIENT TOLERANCE:
NF	6000	7500			
SF	3000	3750	0.2%	0.2%	
AF	600	700	0.2%	0.2%	
PM					
RM	4000	4000	0.2%	0.2%	
YM					

COMMENTS: Test conditions for LVA and LVAP model configurations

TABLE I. - Concluded.

TEST : 1A-14A

DATE : 9-13-73

TEST CONDITIONS

MACH NUMBER	REYNOLDS NUMBER (per unit length)	DYNAMIC PRESSURE (pounds/sq. ft)	TAGNATION TEMPERATURE (degrees Fahrenheit)
0.60	4.0×10^6	480	120
0.75	4.25×10^6	610	120
0.85	4.5×10^6	710	120
0.90	4.5×10^6	750	120
0.95	4.5×10^6	780	120
0.975	4.25×10^6	750	120
1.05	4.25×10^6	790	120
1.10	4.0×10^6	760	120
1.15	3.75×10^6	720	120
1.25	2.75×10^6	735	120
1.40	3.0×10^6	620	120

BALANCE UTILIZED: 2.5-in MK XX (ORB.), 2.75-in MK I (ET)

	CAPACITY: MK XX	CAPACITY: MK I	ACCURACY: MK XX	ACCURACY: MK I	COEFFICIENT TOLERANCE:
NF	6000	7500	0.2%	0.2%	
SF	3000	3750	0.2%	0.2%	
AF	600	700	0.2%	0.2%	
PM					
RM	4000	4000	0.2%	0.2%	
YM					

COMMENTS: Test conditions for LV model config.

TABLE II

TEST : IA-1A

DATA SET RUN NUMBER COLLATION SUMMARY

DATE : 13 Sept 1973

DATA SET IDENTIFIER	CONFIGURATION	SCHD. α	SCHD. β	CONTROL DEFLECTION	NO OF RUNS	MACH NUMBERS OR ALTERNATE INDEPENDENT VARIABLE 0.9	0.975	1.1	1.25
QB1.17	Φ1+T12+S12+N25+ATI	3	0	C		4	93	92	89
18	" +ATI	0	3	"		4	0	91	90
24	Φ1+T12+S12+N25+ITIO	-10	2			5*			
25		-8				9*			
26		-6				10			
27		-4	-10			11*			
28		0	4						38
29		-10	0						39*
30	Φ1+T12+S12+N25+ATII	C	0						D/2

TEST RUN NUMBERS

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

CN CLM CA CAF CY CYN CBL

n SCHEDULES

α(B) = β(B = -8, -4, C, 4, 8 COEFFICIENTS

β(Z) = -10, +10

IDVAR (1) B(Y) = -10, -8, -6, -4, -2, 0

DVAR (2) MAC (D) = 0, .975, 1.0, 1.1, 1.25

NDV

NASA-MSFC-MAF

* FORCE DATA NOT AVAILABLE.

TABLE II - Continued

TEST: IA14A — DATA SET RUN NUMBER COLLATION SUMMARY — DATE: 12 Sept 1975

DATA SET IDENTIFIER	CONFIGURATION	SCHED.	PARAMETERS/VALUES M	Δe	ΔR	S_{SB}	NO. OF RUNS	NO. (OR #) OF ALTERNATE INDEPENDENT VARIABLE(S) -10	-8	-6	-4	-2	0	2	4	6	8	10
RB1x31	$P_1+T_{12}+S_{12}N_{25}+AT_{10}$	A	.9	C	C	C		1*	2*	3*	4*	5	6	7	12	13	14	15
32			1.1					16*	17*	18*	19*	20	21	22	23	24	25	26
33	↓	↓	1.25					27*	28*	29*	30*	31	32	33	34	35	36	37
34	$+AT_{11}$	B	1.00						47		48		49		50		51	
35			.75						56		55		54		53		52	
36			.85						42		43		44		45		46	
37			.95						57		58		59		60		61	
38			1.05						63		64		65		66		67	
39			1.15						68		69		70		71		72	
40	↓		1.4						84		85		86		87		88	
41			.65						149		148		147		146		145	
42			.75						140		141		142		143		144	
43			.85						135		136		137		138		139	
44			.95						130		131		132		133		134	
45			1.05						125		126		127		128		129	
46			1.15						120		121		122		123		124	
47			1.00						115		116		117		118		119	
48	↓	↓	1.10						110		111		112		113		114	

TEST RUN NUMBERS

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

α OR β SCHEDULES: $\alpha(A) = -10$ to $+10$, 2 [illegible] COEFFICENTS

$\alpha(B) = -8, -4, 4, 8$

IDVAR (1) IDVAR (2) NDV

* FORCE DATA NOT AVAILABLE.

TABLE II - Concluded

TEST: TA14A — DATA SET/RUN NUMBER COLLATION SUMMARY — DATE: 13 Sept. 1973

DATA SET IDENTIFIER	CONFIGURATION	SCHD.	PARAMETERS/VALUES				NO. OF RUNS	ALPHA (OR ALTERNATE INDEPENDENT VARIABLE)					TEST RUN NUMBERS
		B	M					-8	-4	0	4	8	
RB1x49	$D_1+T_2+S_{12}N_{25}$	B	1.15	0	0	0		105	106	107	108	109	
50			1.25					95	96	97	98	99	
51			1.40					100	101	102	103	104	

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

α OR β SCHEDULES: $\rho(B_j) = -8, -4, 0, 4,$ — COEFFICENTS — IDVAR (1) IDVAR (2) NDV

TABLE III. - MODEL DIMENSIONAL DATA

MODEL COMPONENT: ATTACH STRUCTURE - AT_{10}

GENERAL DESCRIPTION: Attach structure for Integrated Vehicle Configuration 4 per VL72-000088B and VL72-000089, modified as follows: Removed ET-to-SRM aft attach struts (4) and left orbiter to right ET aft attach crossover rod.

MODEL SCALE: 0.030

DRAWING NO.: SEE DESCRIPTION

DIMENSIONS:	FULL SCALE	MODEL SCALE
FORWARD ATTACH		
Orbiter to Tank		
Number of struts	2	2
Diameter - In.	6.000	0.180
Location - In.		
X_O	382.000	11.460
X_T	1078.000	32.340
DRAG LINK ATTACH		
Orbiter to Tank		
Number of struts	2	2
Diameter, In.	15.000	0.450
Location, In.		
X_O	1307.000	39.210
X_T	1859.000	55.770
AFT ATTACH		
Orbiter to Tank		
Number of struts	2	2
Diameter - In.	12.000	0.360
Location - In.		
X_O	1307.000	39.210
X_T	2058.000	61.740
CROSSOVER ROD (RIGHT ORBITER TO LEFT ET)		
Diameter, In.	8.000	0.240
Location - In.		
X_O	1307.000	39.210
X_T	2058.000	61.740

TABLE III. - Continued.

MODEL COMPONENT: ATTACH STRUCTURE - AT_{11}

GENERAL DESCRIPTION: Attach structure, same as AT_{10} except the forward attach struts are rotated to the vertical, and the structure extends from the orbiter but is not attached to the tank.

MODEL SCALE: 0.030

DIMENSIONS:	FULL SCALE	MODEL SCALE
FORWARD ATTACH		
Orbiter to Tank		
Location - In.		
X_O	382.000	11.460
X_T	1133.000	33.990
Clearance, tank to strut - In.	16.667	0.500
DRAG LINK ATTACH		
Orbiter to Tank		
Clearance, tank to strut - In.	8.333	0.250
AFT ATTACH		
Orbiter to Tank		
Clearance, Tank to strut - In.	8.333	0.250
Crossover Rod		
Clearance, tank to strut - In.	8.333	0.250

TABLE III. - Continued.

MODEL COMPONENT: BODY - B_{26}

GENERAL DESCRIPTION: Orbiter Fuselage Configuration 140 A/B

NOTE: B_{26} identical to B_{24} except underside of fuselage refaired to accept W_{116}.

Model Scale = .030

DRAWING NUMBER: VL70-000193
VL70-000140A

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Length (Body Fwd Sta X_o = 238) - in.	1293.3	38.799
Max. Width (at X_o = 1520) - in.	262.0	7.860
Max. Depth (at X_o = 1464) - in.	250.0	7.500
Fineness Ratio	0.26357	0.26357
Area - ft^2		
Max. Cross-Sectional	340.88462	0.30679
Planform		
Wetted		
Base		

TABLE III. - Continued.

MODEL COMPONENT: CANOPY - C_9

GENERAL DESCRIPTION: Configuration 3A

Model Scale = .030

DRAWING NUMBER VL70-000140A
VL70-000143A

DIMENSION:	FULL SCALE	MODEL SCALE
Length (X_o=434.643 to 670)	235.357	7.06071
Max Width (@ X_o=513.127)	152.412	4.57236
Max Depth (@ X_o=485.0)	25.000	0.75000
Fineness Ratio		
Area		
Max Cross-Sectional		
Planform		
Wetted		
Base		

TABLE III. - Continued.

MODEL COMPONENT: ELEVON - E_{26}

GENERAL DESCRIPTION: Configuration 4

NOTE: VL70-000400 data for (1) of (2) sides. Identical to E_{25} except airfoil thickness

Model Scale = .030

DRAWING NUMBER: VL70-000 200
VL70-000140 B

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area	223.5814	0.20122
Span (equivalent)	368.34	11.05020
Inb'd equivalent chord	119.623	3.58869
Outb'd equivalent chord	55.1922	1.65577
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	0.00	0.00
Tailing Edge	-10.056	-10.056
Hingeline	0.00	0.00
Area Moment (Normal to hinge line)	851.1502	0.76604

TABLE III. - Continued.

MODEL COMPONENT: Body Flap - F_8

GENERAL DESCRIPTION: Configuration 4

Model Scale - .030

DRAWING NUMBER VL70-000140B, VL70-000200

DIMENSION:	FULL SCALE	MODEL SCALE
Length in.	84.7	2.541
Max Width in.	262.308	7.86924
Max Depth in.	23.000	0.69000
Fineness Ratio		
Area - ft^2		
Max Cross-Sectional		
Planform	158.85350	0.14297
Wetted		
Base	41.89642	0.03771

TABLE III. - Continued.

MODEL COMPONENT: OMS POD - M7

GENERAL DESCRIPTION: Configuration 3A

Model Scale = .030

DRAWING NUMBER VL70-000140A
VL70-000145

DIMENSION:	FULL SCALE	MODEL SCALE
Length (OMS Fwd Sta X_o=1233.0) - IN.	327.000	9.810
Max Width (@ X_o=1450.0) - IN.	94.5	2.8350
Max Depth (@ X_o=1493.0) - IN.	109.000	3.270
Fineness Ratio		
Area		
Max Cross-Sectional		
Planform		
Wetted		
Base		

TABLE III. - Continued.

MODEL COMPONENT: BSRM NOZZLES - N_{25}

GENERAL DESCRIPTION: Configuration 3A BSRM Nozzles

Model Scale = .030

DRAWING NO. VL72-000088A
VL77-000096A

DIMENSIONS	FULL-SCALE	MODEL SCALE
MACH NO.		
DIAMETER DEX ~ IN (One Nozzle)	141.3	4.2390
DIAMETER DT ~ IN		
DIAMETER DIN ~ IN		
ON ~ DEGREES		
AREA - FT^2 (One Nozzle)		
MAX CROSS-SECTIONAL	108.89595	0.09801

GIMBAL ORIGIN	X_o	Y_o	Z_o
LEFT NOZZLE ~ IN. F.S.	1825.3	-243	400
RIGHT NOZZLE ~ IN. FS	1825.3	+243	400

NULL POSITION - DEG.	PITCH	YAW
LEFT NOZZLE	±8	±8
RIGHT NOZZLE	±8	±8

TABLE III. - Continued.

MODEL COMPONENT: NOZZLES - N_{28}

GENERAL DESCRIPTION: Configuration 3A OMS Nozzle

Model Scale = .030

DRAWING NO. VL70-000140A

DIMENSIONS	FULL-SCALE	MODEL SCALE
MACH NO.		
DIAMETER DEX ~ IN (One nozzle)		
DIAMETER DT ~ IN		
DIAMETER DIN ~ IN		
ON ~ DEGREES		
AREA - Ft^2 (one nozzle)		
MAX CROSS-SECTIONAL		

GIMBAL ORIGIN	X_o	Y_o	Z_o
LEFT NOZZLE ~ IN.	1518.0	-88.0	492.0
RIGHT NOZZLE ~ IN.	1518.0	+88.0	492.0

NULL POSITION	PITCH	YAW
LEFT NOZZLE (Null Pitch 15°49'; Yaw 12°17' OUTB'D)	±8°	13°17' OUTB'D 2°30' INB'D
RIGHT NOZZLE (Null Pitch 15°49': Yaw 12°17' OUTB'D)	±8°	13°17' OUTB'D 2°17' INB'D

TABLE III. - Continued.

MODEL COMPONENT: RUDDER - R5

GENERAL DESCRIPTION: 2A, 3 and 3A Configuration per Rockwell Lines VL70-000095

Model Scale = .030

DRAWING NUMBER: VL70-000095

DIMENSIONS:	FULL-SCALE	MODEL SCALE
Area - FT^2	106.38	0.09574
Span (equivalent) - IN.	201.0	6.0300
Inb'd equivalent chord	91.585	2.74755
Outb'd equivalent chord	50.833	1.52499
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
Tailing Edge	26.25	26.25
Hingeline	34.83	34.83
Area Moment (Normal to hinge line)- FT^3 Product of Area and Mean Chord	526.13	0.01420

TABLE III. - Continued.

MODEL COMPONENT: BOOSTER SOLID ROCKET MOTOR - S_{12}

GENERAL DESCRIPTION: Configuration 3A, Data for (1) of (2) sides, per Rockwell Lines VL77-000036A

Model Scale = .030

DRAWING NUMBER VL72-000088A VL77-000036A

DIMENSION:	FULL SCALE	MODEL SCALE
Length (Includes Nozzle) - IN.	1741.0	52.2300
Max Width (Tank Dia) - IN.	142.3	4.2690
Max Depth (Aft Shroud) - IN.	192.0	5.7600
Fineness Ratio	9.06771	9.06771
Area - FT^2		
Max Cross-Sectional	201.06193	0.18096
Planform		
Wetted		
Base		
WP of BSRM Centerline (Z_T) - IN.	400	12.000
FS of BSRM Nose (X_T) - IN.	200	6.000

TABLE III. - Continued.

MODEL COMPONENT: EXTERNAL TANK - T12

GENERAL DESCRIPTION: External Oxygen Hydrogen Tank

NOTE: Identical to T11 with external fuel lines added

Model Scale = .030

DRAWING NUMBER VL78-000031A
VL78-000041A

DIMENSION:	FULL SCALE	MODEL SCALE
Length - IN. (Nose @ X_T = 309)	1865	57.629
Max Width (Dia) - IN.	324	9.72
Max Depth		
Fineness Ratio	5.75617	5.75617
Area - FT^2		
Max Cross-Sectional	572.555	17.177
Planform		
Wetted		
Base		
WP of Tank Centerline (X_T) - IN.	400.0	

TABLE III. - Continued.

MODEL COMPONENT: VERTICAL - V_8

GENERAL DESCRIPTION: Configuration 3A

NOTE: Similar to V5 with radius on TE upper corner and LE lower corner where vertical meets fuselage.

Model Scale = .030

DRAWING NUMBER: VL70-000140A
VL70-000146A

DIMENSIONS:	**FULL-SCALE**	**MODEL SCALE**
TOTAL DATA		
Area (Theo) Ft^2	413.253	0.37193
Planform		
Span (Theo) In	315.720	9.47160
Aspect Ratio	1.675	1.675
Rate of Taper	0.507	0.507
Taper Ratio	0.40399	0.40399
Sweep Back Angles, degrees		
Leading Edge	45.00	45.00
Trailing Edge	25.947	25.947
0.25 Element Line	41.130	41.1300
Chords:		
Root (Theo) WP	268.500	8.05500
Tip (Theo) WP	108.470	3.25410
MAC	199.80756	5.99423
Fus. Sta. of .25 MAC	1463.50	43.9050
W. P. of .25 MAC	635.522	19.06566
B. L. of .25 MAC	0.00	0.00
Airfoil Section		
Leading Wedge Angle Deg	10.00	10.00
Trailing Wedge Angle Deg	14.920	14.920
Leading Edge Radius (Min) - IN.	2.00	0.060
Void Area	13.17	0.01185
Blanketed Area	0.00	0.00

TABLE III. - Concluded.

MODEL COMPONENT: WING-W116

GENERAL DESCRIPTION: Configuration 4

NOTE: Identical to W_{114} except airfoil thickness. Dihedral angle is along trailing edge of wing.

Model Scale = .030

TEST NO. DWG. NO. VL70-000140B VL70-000200

DIMENSIONS:	FULL-SCALE	MODEL SCALE
TOTAL DATA		
Area (Theo.) Ft^2	2690.00	2.4210
Planform	936.6816	28.10045
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(at X_o=1506.623,Y_o=	0.500	0.500
Incidence Angle, degrees 105, Z_o= 282.75)	+3.000	+3.000
Aerodynamic Twist, degrees		
Sweep Back Angles, degrees	45.00	45.00
Leading Edge	-10.056	-10.056
Trailing Edge	35.209	35.209
0.25 Element Line		
Chords:		
Root (Theo) B.P.0.0.	689.2429	20.67729
Tip, (Theo) B.P.	137.8486	4.13546
MAC	474.8117	14.24435
Fus. Sta. of .25 MAC	1126.721	33.80163
W.P. of .25 MAC	291.00	8.73000
B.L. of .25 MAC	187.33491	5.62005
EXPOSED DATA		
Area (Theo) Ft^2	1812.2205	1.63010
Span, (Theo) In. BP108	736.6816	22.10045
Aspect Ratio	2.058	2.058
Taper Ratio	0.2451	0.2451
Chords		
Root BP108	570.6230	17.11869
Tip 1.00 $\frac{b}{2}$	137.8512	4.13554
MAC	354.2376	10.62713
Fus. Sta. of .25 MAC	1164.237	34.92711
W.P. of .25 MAC	292.00	8.76000
B.L. of .25 MAC	239.67786	7.19034
Airfoil Section (Rockwell Mod NASA) XXXX-64		
Root $\frac{b}{2}$ = 0.425	0.113	0.113
Tip $\frac{b}{2}$ = 1.00	0.12	0.12
Data for (1) of (2) Sides		
Leading Edge Cuff Planform Area Ft^2	118.333	0.10650
Leading Edge Intersects Fus M. L. @ Sta	505.0	15.15000
Leading Edge Intersects Wing @ Sta	1003.5	30.10500

TABLE IV. - ORBITER FUSELAGE PRESSURE ORIFICE LOCATIONS

	ORBITER X_o IN.			RADIAL LOCATION Ø DEGREES																		
	FULL	MODEL	Xo/lo	o	20	40	55	70	90	105	110	120	135	140	150	151	156	162	165	169	174	180
	235	7.05	0	6																		9
	245	7.35	.008	7					8													13
	265	7.95	.023	10	11	12	13	14	15			16			17							27
	295	8.85	.047	19	20	21	22	23	24			25			26							36
	325	9.75	.070	28	29	30	31	32	33			34			35							45
	380	11.40	.112	37	38	39	40	41	42			43			44						46	
	440	13.20	.159														54			55		56
	450	13.50	.167	47	48	49	50	51	52			53				57		58				
	465	13.95	.178																68			69
	500	15.00	.205	59	60	61	62	63	64			65		66	67				76			77
	560	16.80	.252	70		71		72	73			74			75				84			85
	625	18.75	.301	78		79		80	81			82			83				92			93
	725	21.75	.379	86		87		88	89			90			91				100			101
	880	26.40	.499	94		95		96	97			98			99							
	980	29.40	.576	102		103													110			111
	1080	32.40	.653	104		105		106	107			108			109							118
	1180	35.40	.730	112		113		114	115			116			117				127			128
	1245	37.35	.781	119		120		121	122	123		124	125		126							137
	1300	39.00	.823	129		130		131	132	133		134	135		136				146			
	1375	41.25	.882	138		139		140	141	142		143	144		145				155			
	1430	42.90	.923	147		148		149	150	151		152	153		154				164			
	1480	44.40	.963	156		157		158	159	160		161	162		163							
a	1530	45.90	1.002								165	166										
b	1530	45.90	1.002								167	168										
	1555	46.65	1.021	169		170																
c	1590	47.70	1.048	171		172																
d	1590	47.70	1.048	173		174																

ℓo = 1293.3 full scale

ℓ_o = 38.799 model

a: OMS pod, inside

b: OMS pod, outside

c: Body flap lower surface

d: Body flap upper surface

data in datasets RB1BXX

TABLE V. - ORBITER WING PRESSURE ORIFICE LOCATIONS

ORBITER WING

ORBITER B.P.~Y_0				X/C ~ LOCAL WING CHORD																																						
FULL	MODEL	η		0	.02	.04	.05	.08	.081	.086	.094	.15	.163	.177	.229	.246	.250	274	.362	.390	.400	.402	.497	.55	.565	.60	.65	.70	.725	.75	.760	.779	.808	.834	.85	.857	.865	.90	.905	.95	.953	.965
140	4.20	.299	U				180				181				182				183									185						186			187	188				189
			L.E.	179																																						
			L				190				191				192				193				195					195						196			197	198				199
170	5.10	.364	U			201				202						204^1				205^2																						
			L.E.	200																																						
			L			206				207			208			209				210																						
200	6.00	.427	U		212^3	213^4				214				215				216				217									219		220			221			222		223	
			L.E.	211																																						
			L		224^3	225^4				226				227				228				229			230						231		232			233			234		235	
250	7.50	.534	U		237		238	239				240					241				242			243					244			245			246			247		248		
			L.E.	236																																						
			L		249		250	251				252					253				254			255					256			257			258			259		260		
315	9.45	.673	U		262		263					264					265				266			267				268				269			270				271			
			L.E.	261																																						
			L		272		273					274					275				276			277				278				279			280				281			
365	10.95	.780	U		283		284					285					286										287			288					289					290		
			L.E.	282																																						
			L		291		292					293					294										295			296					297					298		
415	12.45	.887	U		300		301					302					303				304					305				306								307				
			L.E.	299																																						
			L		308		309					310					311				312					313				314								315				

1 X/C = .19
2 X/C = .34
3 X/C = .03
4 X/C = .045

data in data sets RB1LXX (lower surface and RB1UXX (upper surface)

TABLE VI. - ORBITER VERTICAL TAIL PRESSURE ORIFICE LOCATIONS

ORBITER VERTICAL TAIL

VERTICAL $W_L \sim Z_o$				X/C_V								
FULL	MODEL	η_V		0	.025	.05	.15	.30	.52	.685	.775	.90
550	16.50	.158	RH	316		324	325	326	327	328	329	
			LE		317	318	319	320	321	322	323	
			LH									
600	18.00	.316	RH	330		339	340	341	342	343	344	345
			LE		331	332	333	334	335	336	337	338
			LH									
690	20.70	.600	RH	346		355	356	357	358	359	360	361
			LE		347	348	349	350	351	352	353	354
			LH									
765	22.95	.840	RH	362		371	372	373	374	375	376	377
			LE		363	364	365	366	367	368	369	370
			LH									
792	23.76	.925	RH	378		387	388	389	390	391	392	393
			LE		379	380	381	382	383	384	385	386
			LH									

data in datasets RB1VXX (left side) and RB1RXX (right side)

TABLE VII. - ORBITER BASE, BODYFLAP, AND OMS NOZZLE PRESSURE ORIFICE LOCATIONS

ORBITER BASE

LOCATION	ORIFICE NUMBER
Orbiter Sting Cavity	1
Orbiter Base (Lower Left Corner)	2
OMS Nozzle Base	3

data in datasets RB1CXX

RUDDER FLARE BASE

RUDDER $W_L \sim Z_o$		X/C_V
FULL	MODEL	.75
725	18.75	4
625	21.75	5

data in datasets RB1CXX

BODY FLAP

ORBITER $\sim X_o$		$\emptyset \sim$ Deg	
FULL	MODEL	0	40
1555	46.65	169	170
1590	47.70	Upper 173	174
1590	47.70	Lower 171	172

data in datasets RB1FXX

LEFT OMS NOZZLE SURFACE

$X \sim$ IN. FWD. NOZZLE EXIT		$\emptyset \sim$ DEG.		
FULL	MODEL	135	180	225
10	.30	175	176	177
20	.60		178	

data in datasets RB1EXX

TABLE VIII. - EXTERNAL TANK PRESSURE ORIFICE LOCATIONS

EXTERNAL TANK

TANK STATION $\sim X_T$			$\emptyset\sim$ DEG.									
FULL SCALE	MODEL SCALE	$\frac{X_T}{\ell_T}$	0	30	60	90	120	135	150	165	180	270
309	9.27	0	503									
324	9.72	.008	504			505					506	507
400	12.00	.049	508	509	510	511	512		513		514	
520	15.60	.113	515	516	517	518	519		520	521	522	
640	19.20	.178	523	524	525	526	527		528	529	530	
670	20.10	.194	531	532	533	534	535		536	537	538	
710	21.30	.215	539	540	541	542	543		544	545	546	
760	22.80	.242	547	548	549	550	551	552	553	554	555	
850	25.50	.290	556	557	558	559	560		561	562	563	564
950	28.50	.344	565	566	567		568	569	570	571	572	
1050	31.30	.394	573	574	575	576	577		578	579	580	
1150	34.50	.451	581	582	583	584	585	586	587	588	589	
1250	37.50	.505	590	591	592	593	594		595	596	597	
1350	40.50	.558	598	599	600	601	602	603	604	605	606	
1500	45.00	.638	607	608	609	610	611		612	613	614	
1700	51.00	.746	615	616	617	618	619	620	621	622	623	
1900	57.00	.853	624	625	626	627	628	629	630	631	632	
2040	61.20	.928	633	634	635		636	637	638	639	640	
TANK BASE STING CAVITY			501								502	

ℓ_T = 1865 IN. FULL SCALE
55.950 IN. MODEL SCALE

data in datasets RB1TXX

TABLE IX. - SRM PRESSURE ORIFICE LOCATIONS

LEFT SRM

SRM STATION ~ X_s			ø ~ DEG.							
FULL SCALE	MODEL SCALE	$\frac{X_s}{\ell_s}$	0	45	90	135	180	225	270	315
200	6.00	0	805							
260	7.80	.034	806	807	808	809	810	811	812	813
370	11.10	.098	814	815	816	817	818	819	820	821
400	12.00	.115	822	823	824	825	826	827		828
450	13.50	.144	829	830	831	832	833	834	835	836
550	16.50	.201	837	838	839	840	841	842	843	844
700	21.00	.287	845		846		847	848	849	850
850	25.50	.373	851		852		853		854	
1050	31.50	.488	855		856		857			
1250	37.50	.603	858		859		860			
1450	43.50	.718	861		862		863		864	
1650	49.50	.833	865		866		867		868	
1750	52.50	.890	869	870	871	872	873	874	875	876
1796	53.88	.917	877	878	879	880	881	882	883	884
1835	55.05	.939	885	886	887	888	889	890	891	892
1868	56.04	.958	893	894	895	896	897	898	899	900
SKIRT BASE			802			803		804		
NOZZLE BASE			801							
NOZZLE EXTERNAL PRESSURE										
1850	55.50	.948	901	902	903	904	905	906	907	908
1905	57.15	.979	909	910	911	912	913	914	915	916
1928	57.84	.993	917	918	919	920	921	922	923	924

ℓ_s = 1741 IN. FULL SCALE
52.53 IN. MODEL SCALE

data in datasets RB1SXX

TABLE X. - ORBITER ATTACH POINT PRESSURE ORIFICE LOCATIONS

			ORBITER ATTACH POINT ORIFICE LOCATIONS															
	X_o FULL SCALE		347	357	367	377	387	397	407	1252	1262	1272	1282	1292	1302	1312	1322	1332
	X_o MODEL		10.41	10.71	11.01	11.31	11.61	11.91	12.21	37.56	37.86	38.16	38.46	38.76	39.06	39.36	39.96	40.26
	X_o/L_o		.087	.095	.102	.110	.118	.126	.133	.788	.796	.804	.811	.819	.827	.835	.850	.858
η	F.S. Y_o	MODEL Y_o	394	397					412				436	447		468	474	480
.021	10	.30		396	399	403	407	411	415				435	446	457	467	473	479
.043	20	.60		395	398	402	406	410	414				434	445	456	466	472	478
.064	30	.90				401	405	409	413				433	444	455	465	471	477
.085	40	1.20											432	443	454	464	470	476
.107	50	1.50															469	475
.149	69.75	2.09											431	442	453	463		
.170	79.75	2.39										424	430	441	452	462		
.192	89.75	2.69									419	423	429	440	451	461		
.213	99.75	2.99								416	418	422	428					
.234	109.75	3.29									417	421	427	439	450	460		
.256	119.75	3.59										420	426	438	449	459		
.277	129.75	3.89											425	437	448	458		

data in datasets RB11XX

TABLE XI. - EXTERNAL TANK ATTACH POINT PRESSURE ORIFICE LOCATIONS

X_T Full Scale	1103	1093	1083	1073	1063	1053	1043	
X_T Model Scale	33.09	32.79	32.49	32.19	31.89	31.59	31.29	
X_T/l_T	.424	.419	.413	.408	.402	.397	.391	
								Ø DEG.
FWD ATTACH POINT (ORBITER TO E-T)	684	676	668	660				182.84
	685	677	669	661				136.38
	686	678	670	662	655			189.92
	687	679	671	663	656	652		193.46
	688	680			657	653	651	197.0
	689	681	673	665	658	654		200.54
	690	682	674	666	659			204.08
	691	683	675	667				207.62

data in datasets RB12XX

TABLE XI. - EXTERNAL TANK ATTACH POINT PRESSURE ORIFICE LOCATIONS

(CONTINUED)

	X_T FULL SCALE	1874	1864	1854	1844	1834	1824	1814	
	X_T MODEL SCALE	56.22	55.92	55.62	55.32	55.02	54.72	54.42	
	X_T/ℓ_T	.839	.834	.828	.823	.818	.812	.807	
									$\phi \sim$ DEG.
		719	713	707					222.84
FWD DRAG LINK ATTACH POINT		720	714	708	701				226.38
		721	715	709	702	696			229.92
		722		710	703	697	693		233.46
					704	698	694	692	237.00
						699	695		240.54
		723	718	712	706	700			244.08

data in datasets RB12XX

TABLE XI. - EXTERNAL TANK ATTACH POINT PRESSURE ORIFICE LOCATIONS

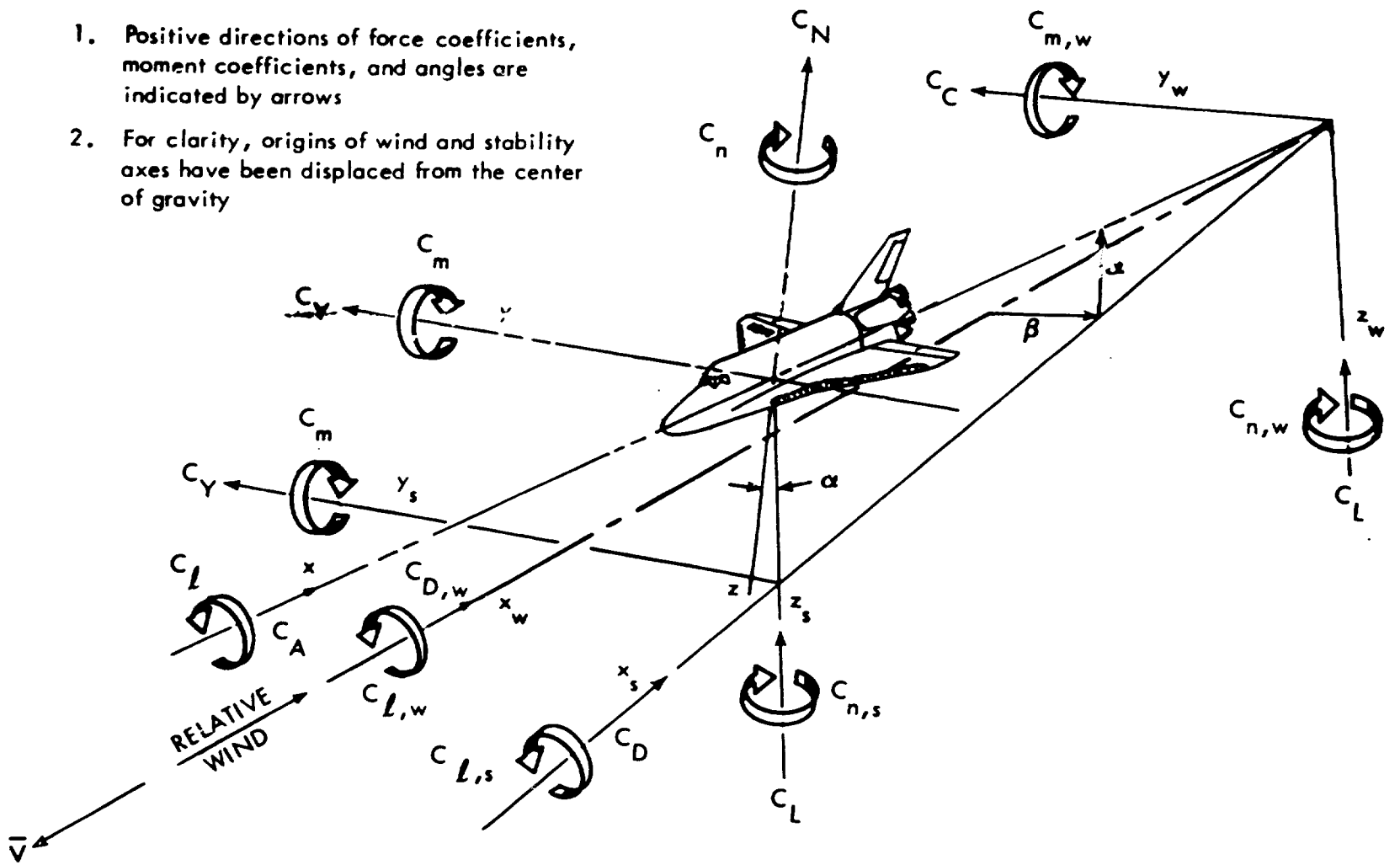
(CONCLUDED)

	X_T FULL SCALE	2078	2068	2058	2048	2038	2028	2018	
	X_T MODEL SCALE	62.34	62.04	61.74	61.44	61.14	60.84	60.54	
	X_T/ℓ_T	.948	.943	.938	.932	.927	.921	.916	
									Ø ~ DEG.
AFT UPPER ATTACH		777	766	754					234.04
		778	767	755	742				237.58
		779	768	756	743	732			241.12
		780	769		744	733	726		244.66
		781	770		745	734	727	724	248.2
					746	735	728		251.74
			771	759	747	736			255.28
AFT LOWER ATTACH		782	772	760					323.51
		783	773	761	748				327.05
		784	774	762	749	737			330.59
		785	775		750	738	729		334.13
		786	776		751	739	730	725	337.67
					752	740	731		341.21
				765	753	741			344.75

data in datasets RB12XX

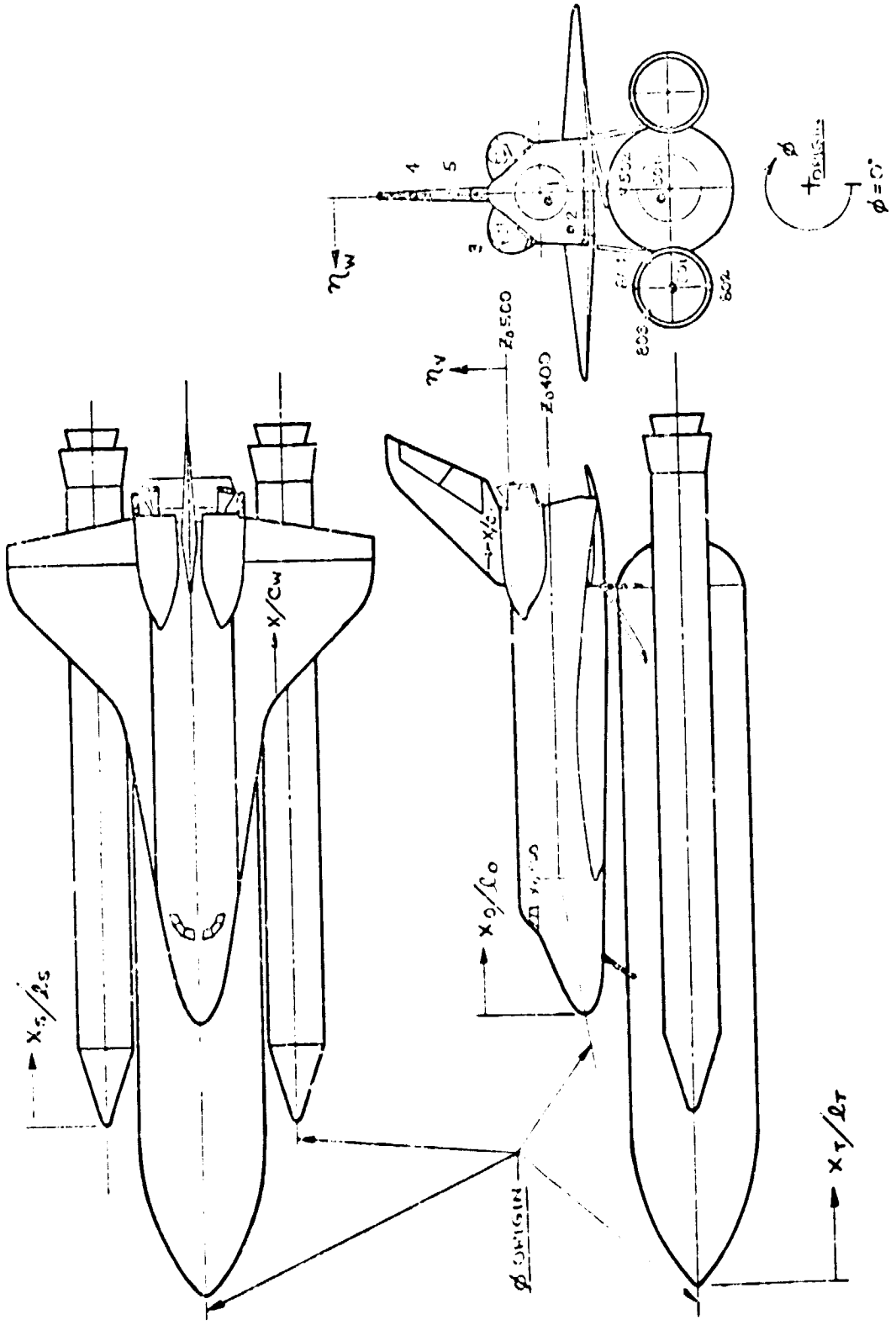
Notes:

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



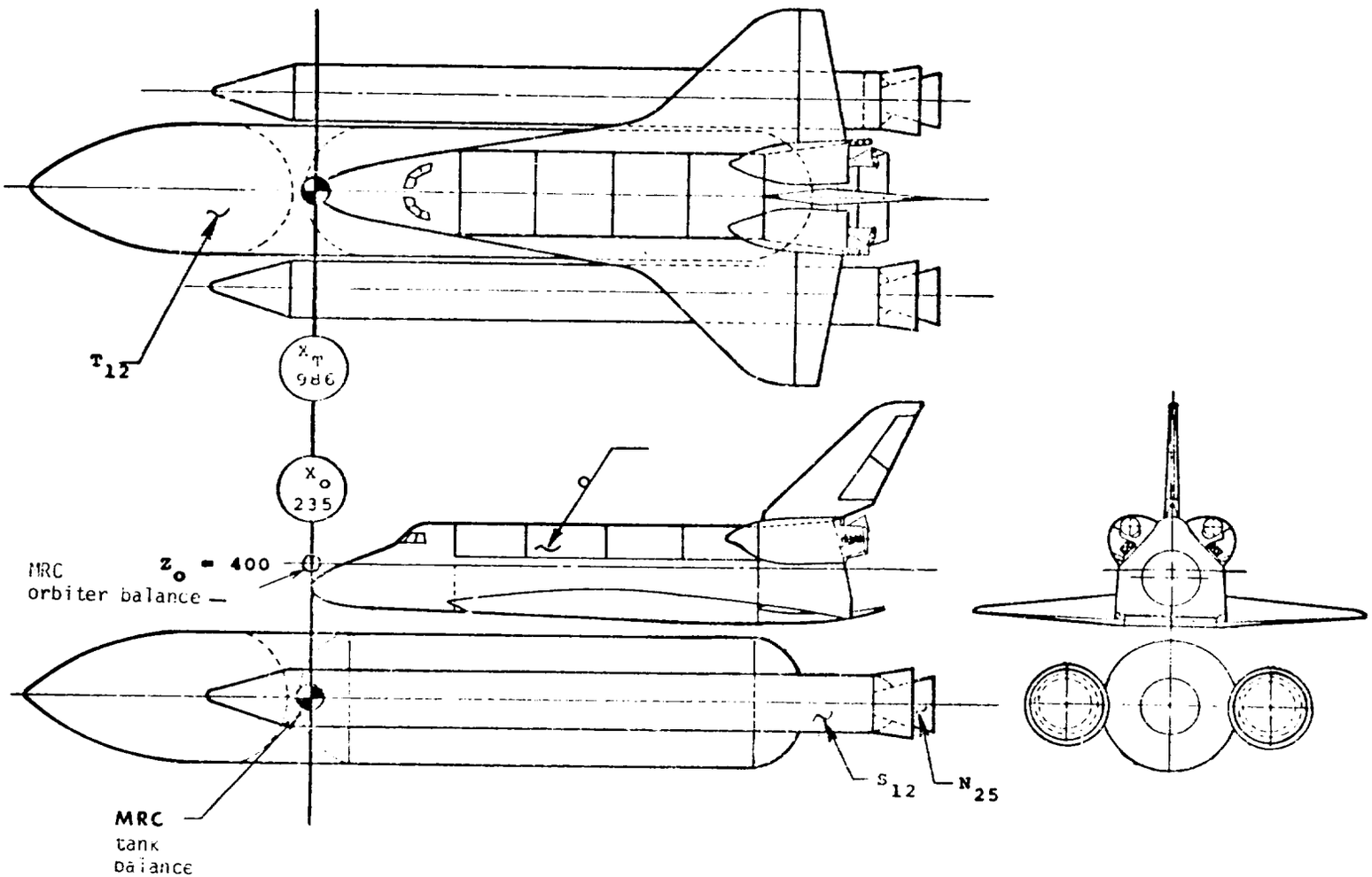
a. Stability and body axis systems

Figure 1. - Axis Systems



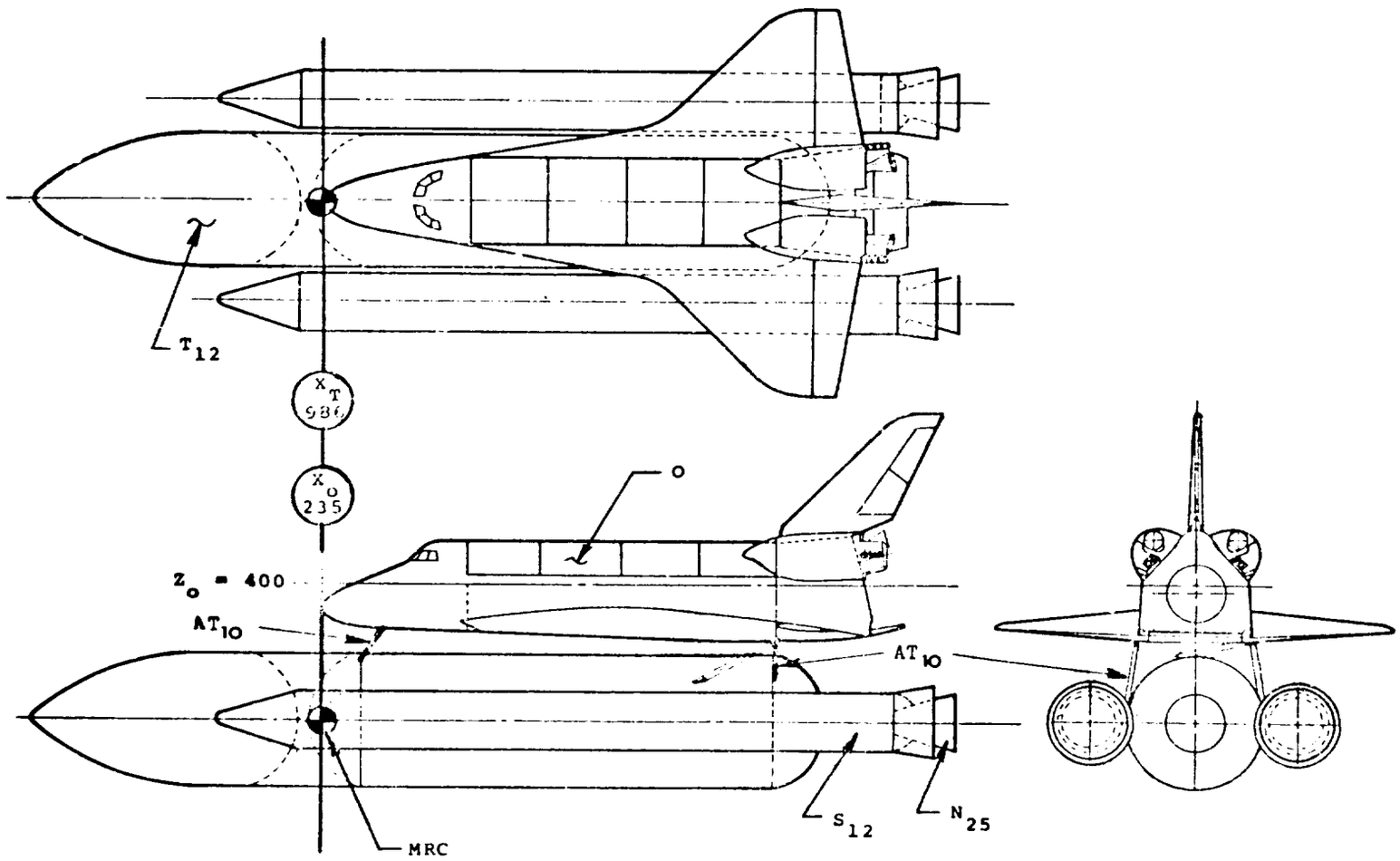
b. Orifice location nomenclature diagram

Figure 1. - Concluded



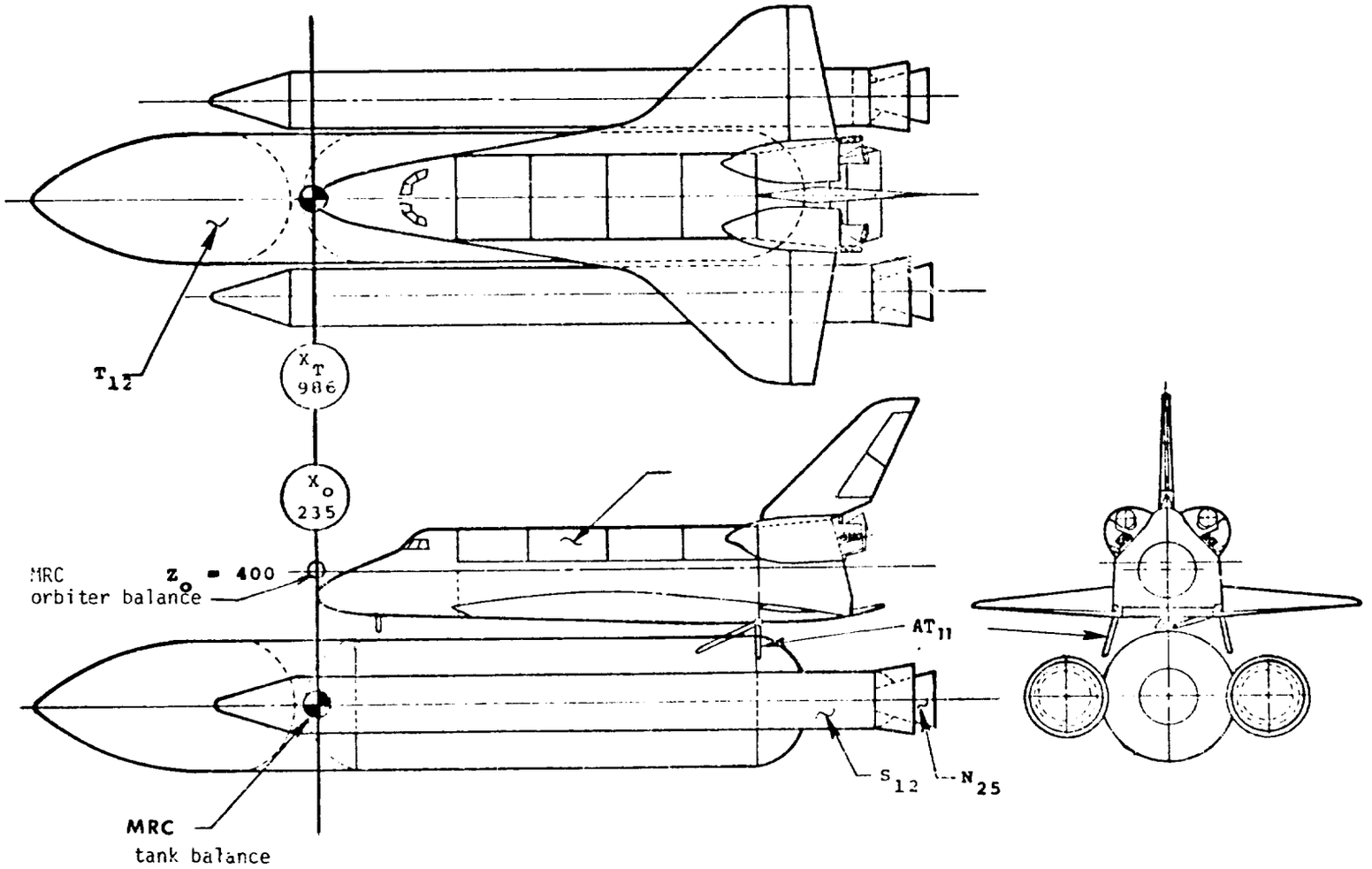
a. Integrated vehicle - 2 balances, no attach structure

Figure 2. - Model Sketches



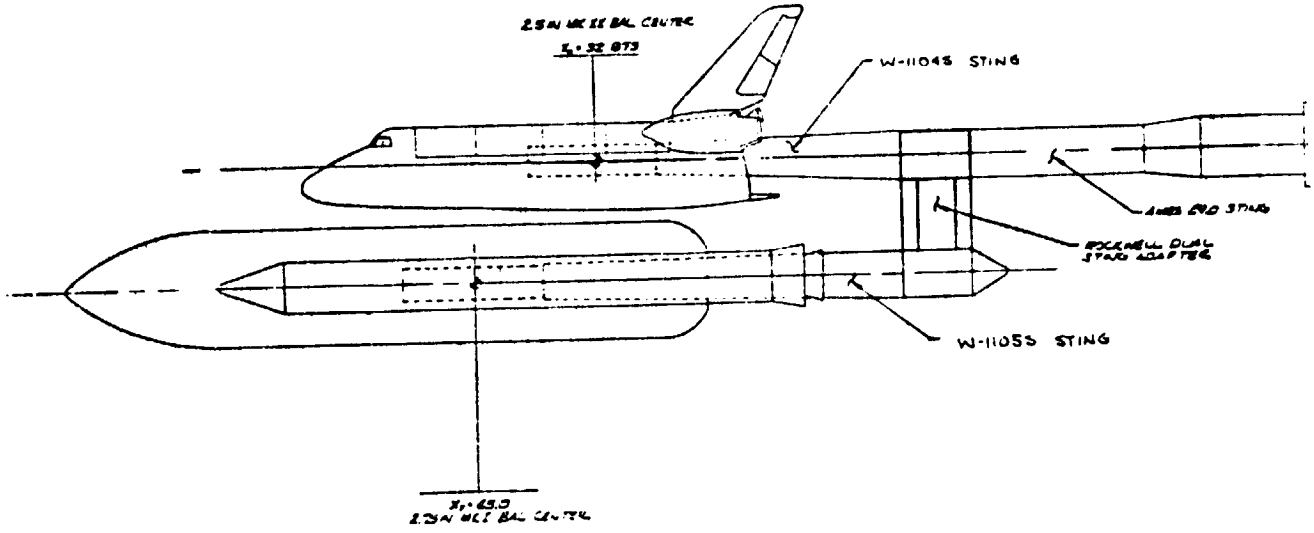
b. Integrated vehicle - 1 balance with attach structure

Figure 2. - Continued

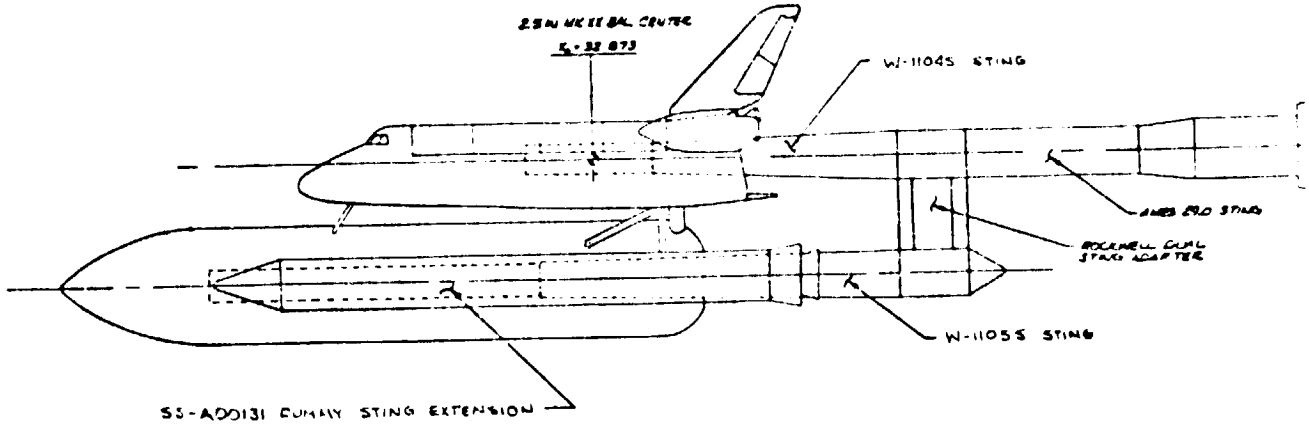


c. Integrated vehicle - 2 balances with attach structure

Figure 2. - Continued



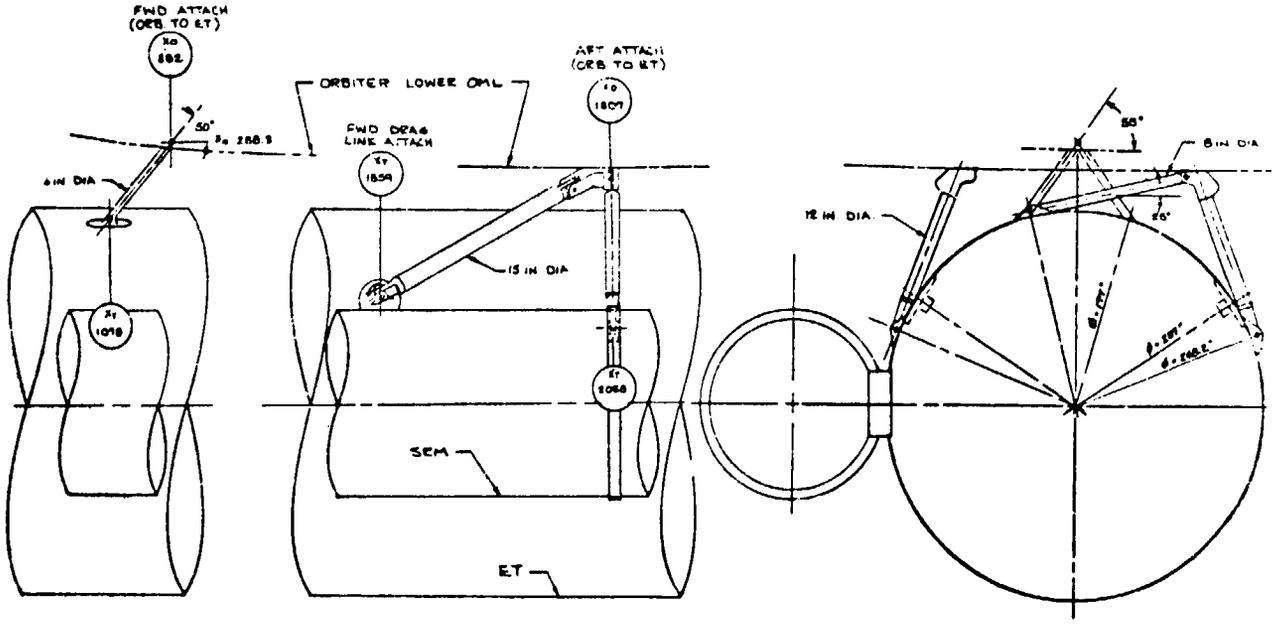
DUAL BALANCE CONFIGURATION ~ LV & LVAP



SINGLE BALANCE CONFIGURATION ~ LVA

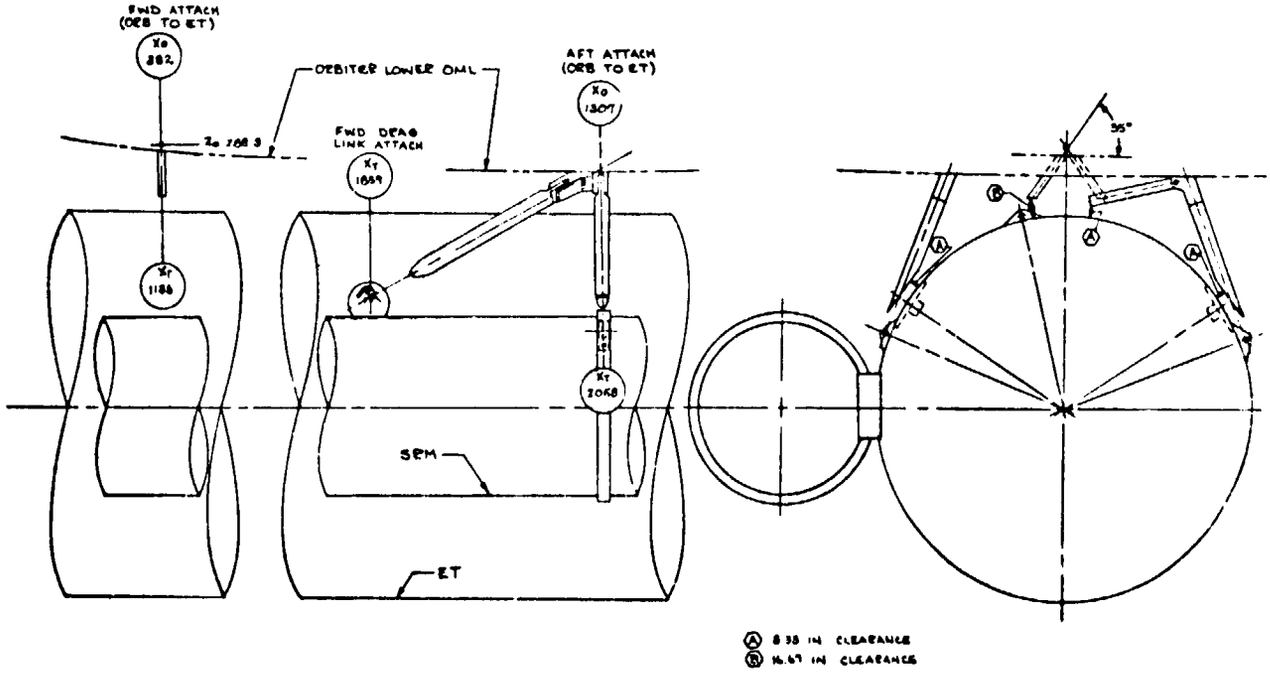
d. Installation side views

Figure 2. - Continued



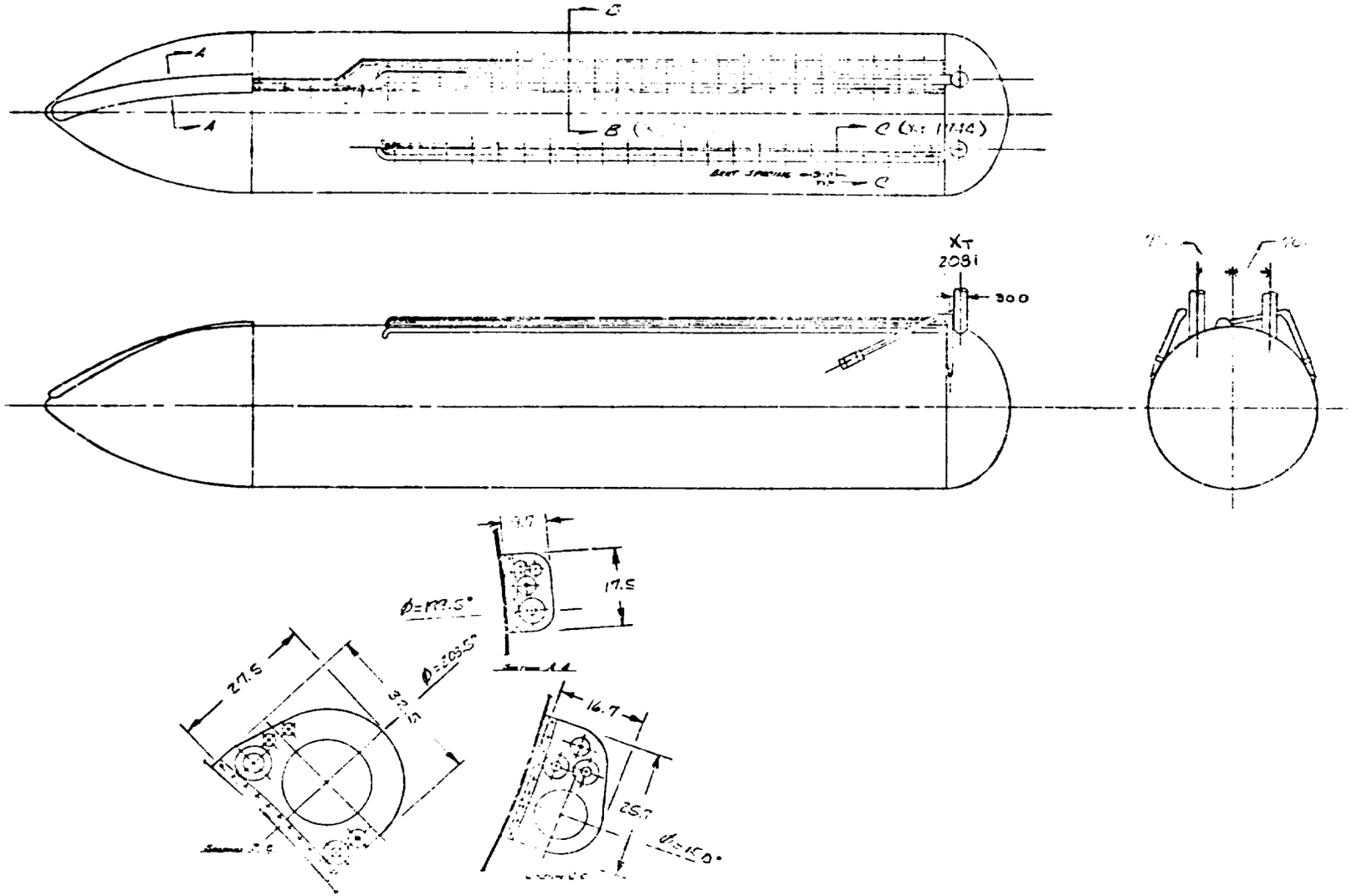
ATTACH HARDWARE CONFIGURATION — AT10

ATTACH HARDWARE CONFIGURATION — AT11



e. Attach hardware

Figure 2. Continued

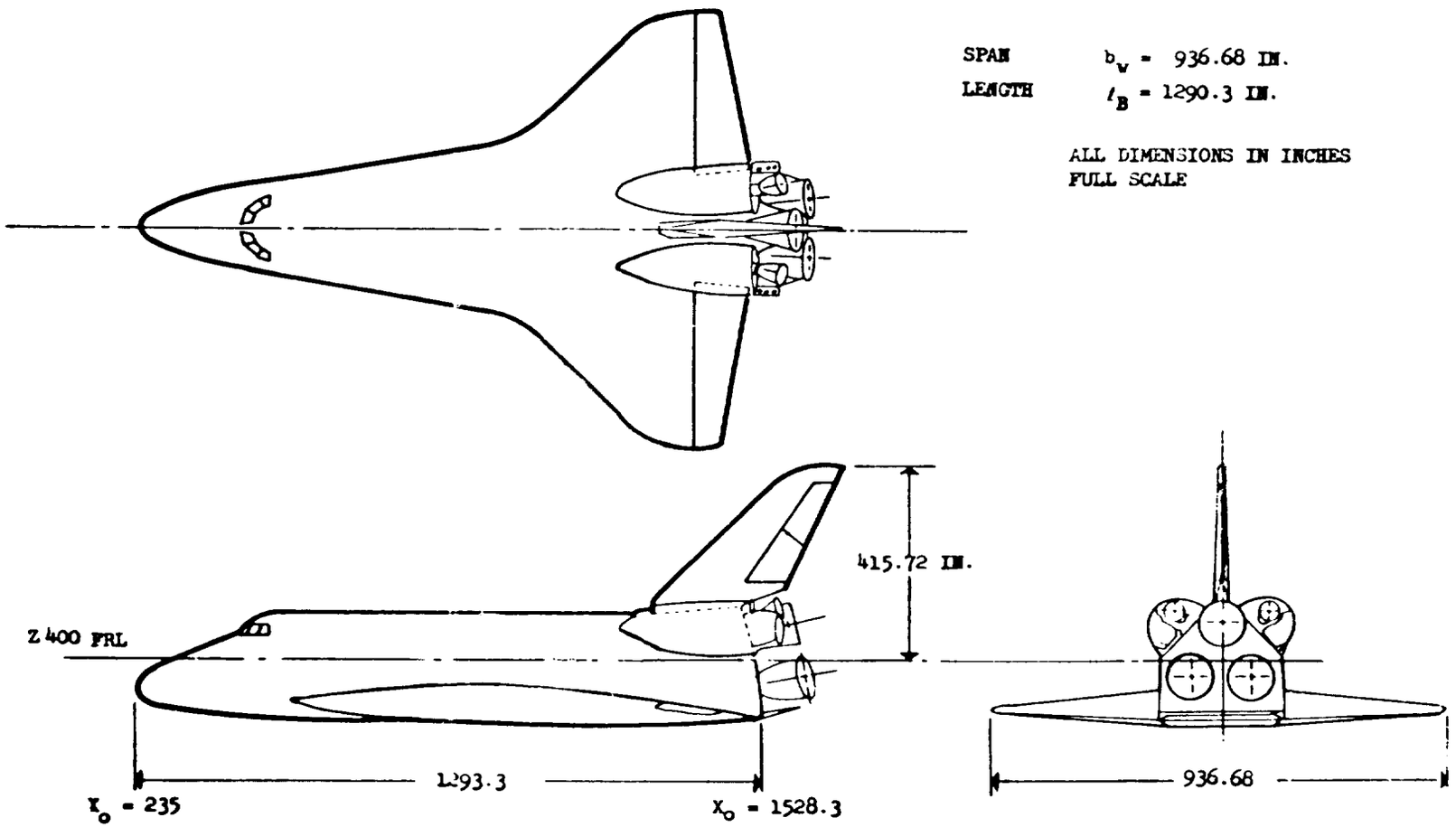


f. External tank protuberances

Figure 2. - Continued

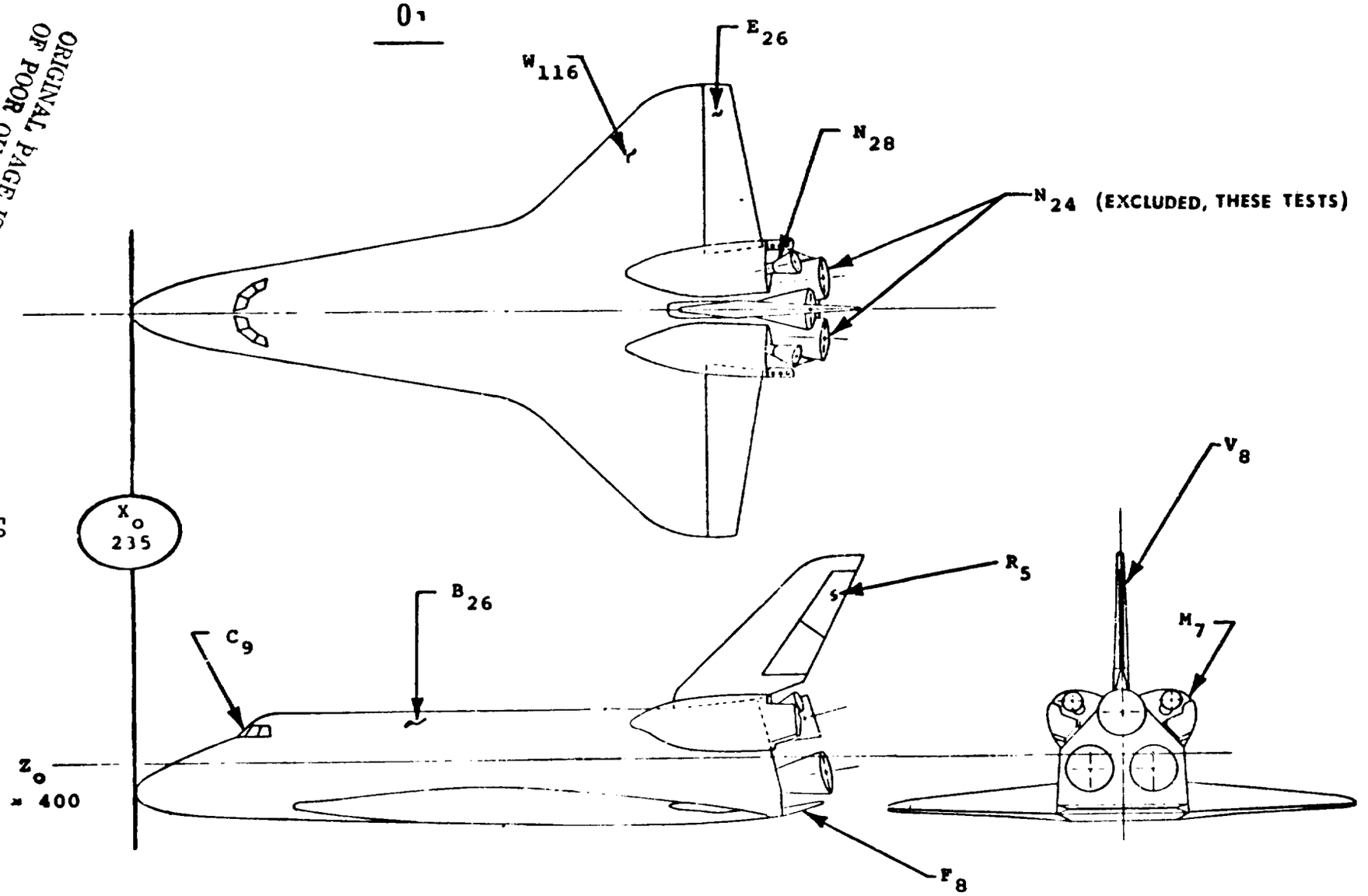
REFERENCE	DIMENSIONS (FS)
AREA	S_v = 2690 FT^2
MAC	C = 474.8 IN.
SPAN	b_v = 936.68 IN.
LENGTH	ℓ_B = 1290.3 IN.

ALL DIMENSIONS IN INCHES
FULL SCALE



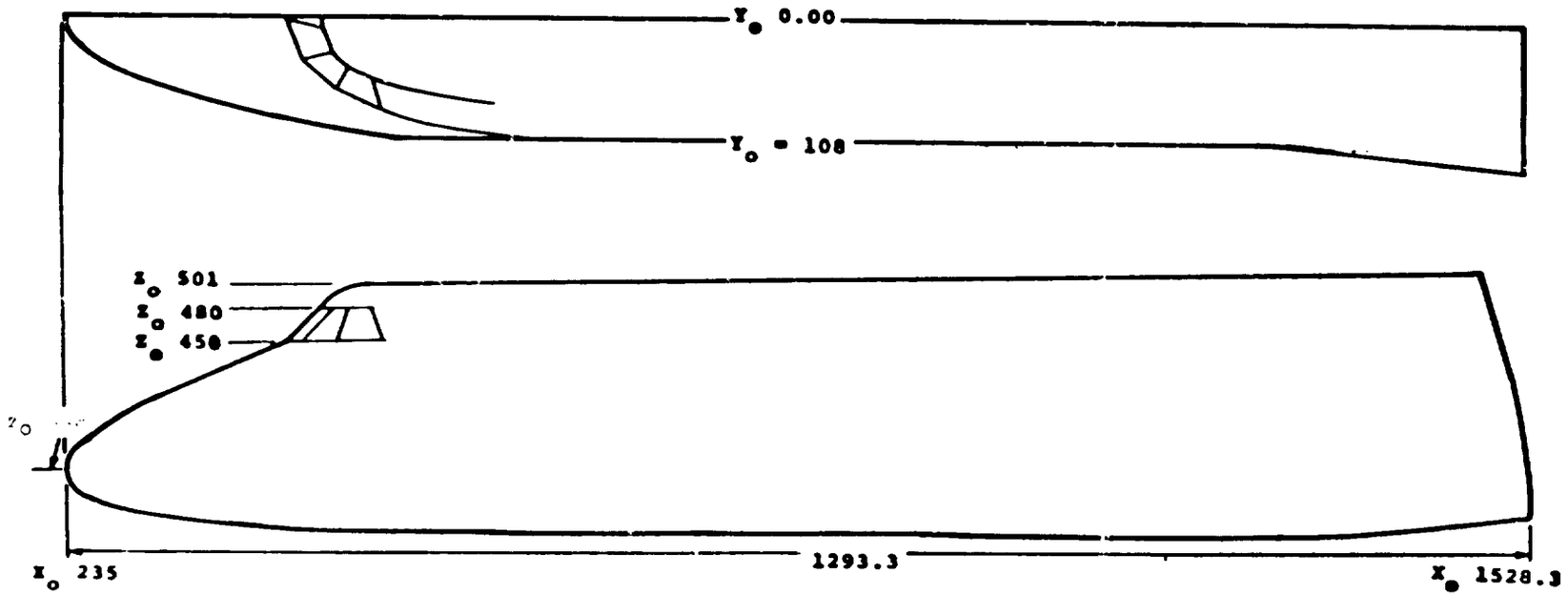
g. SSV orbiter configuration 140A/B

Figure 2. - Continued



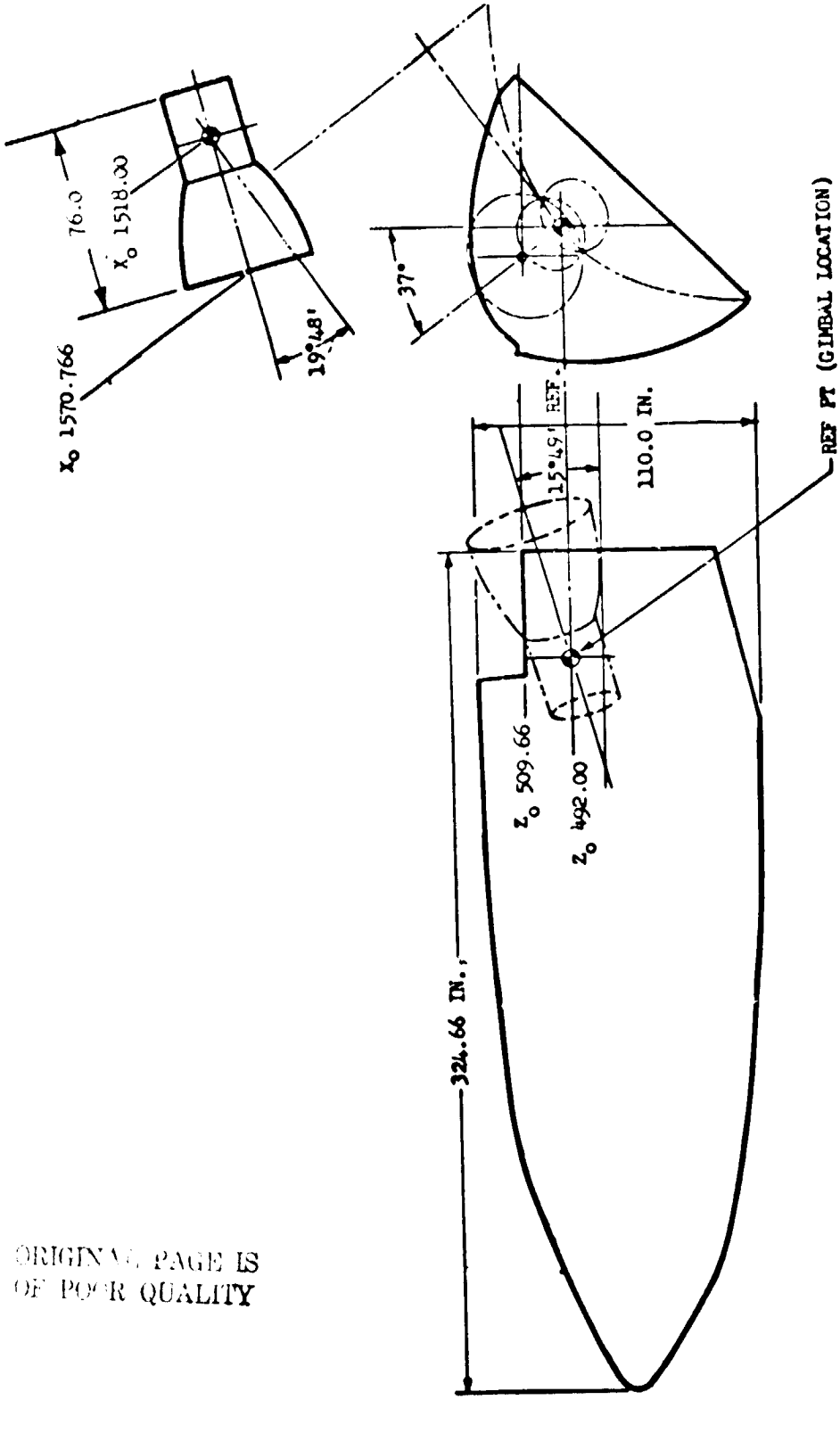
h. Orbiter nomenclature

Figure 2. - Continued



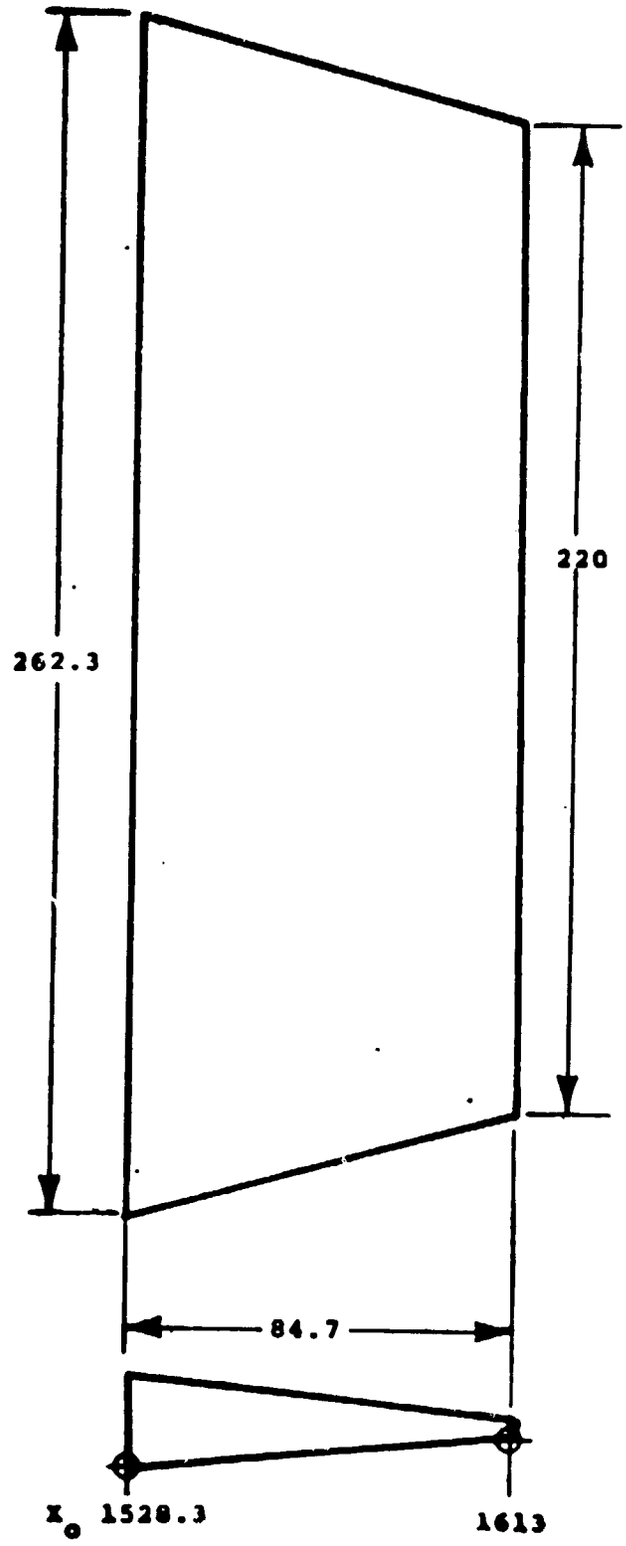
i. Canopy, C_9, and body, B_{26}, lines drawing VL70-00193 and VL70-000140A/B

Figure 2. - Continued



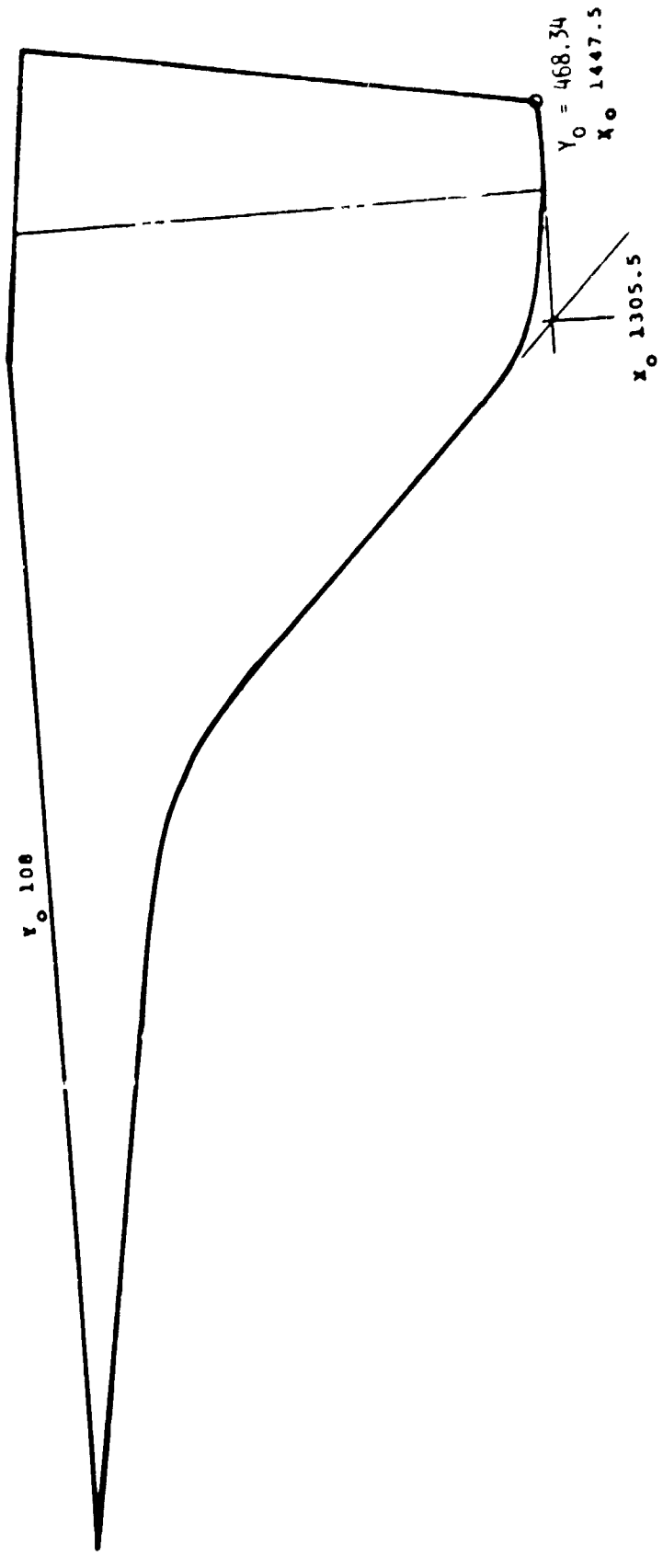
j. M_7 - OMS Pod

Figure 2. - Continued



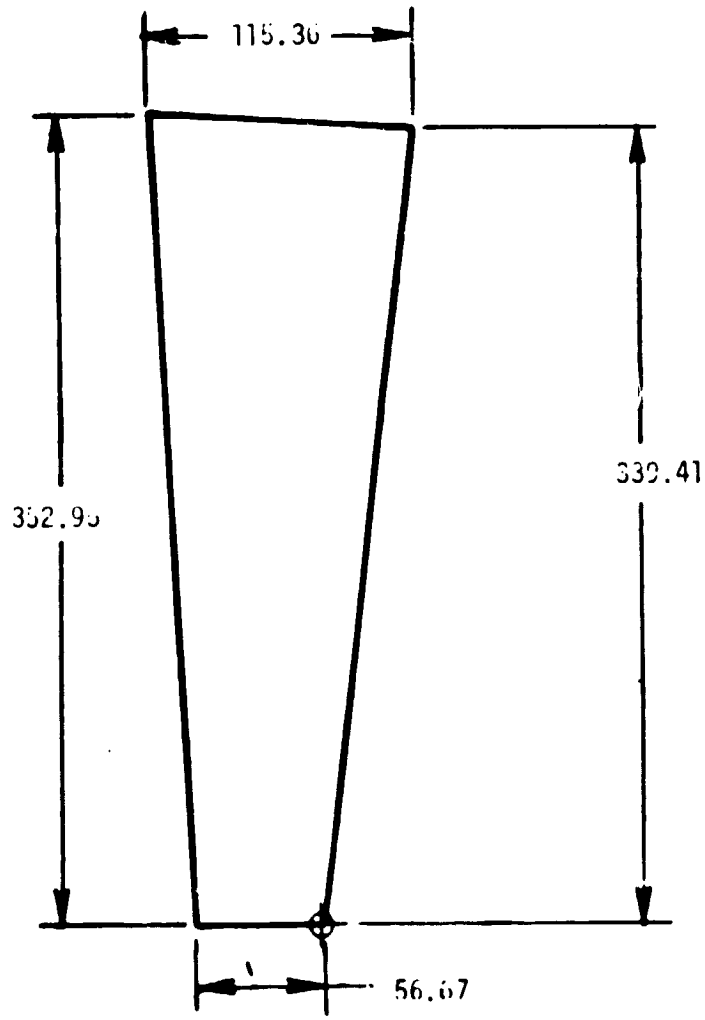
k. Body flap, F_8, lines drawing no. VL70-000140A/B

Figure 2. - Continued



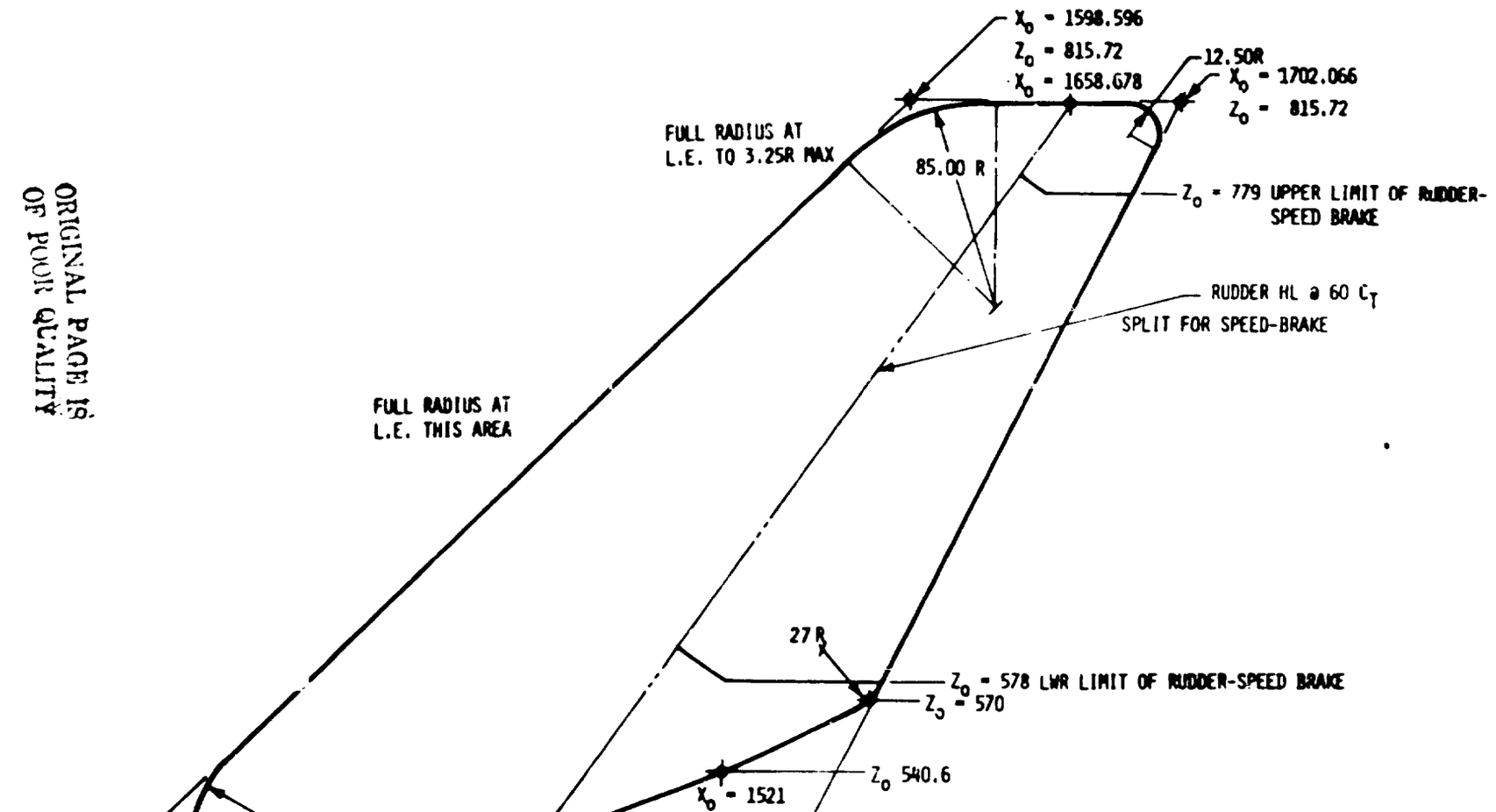
1. Wing, W116, lines drawing no. VL70-000200

Figure 2. - Continued



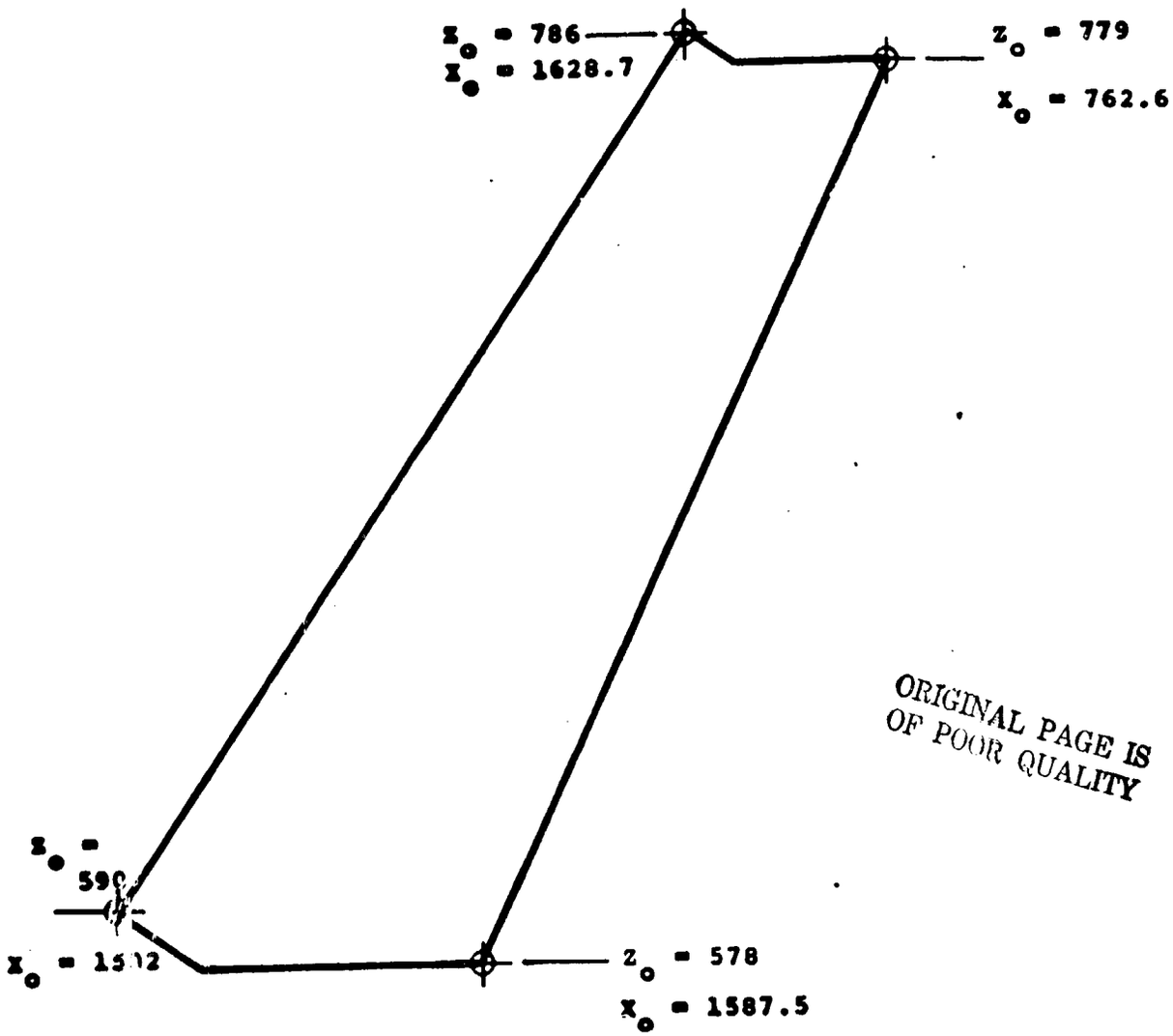
m. Elevon, E_{26}, lines drawing no. VL70-000200, VL70-000140A/B

Figure 2. - Continued



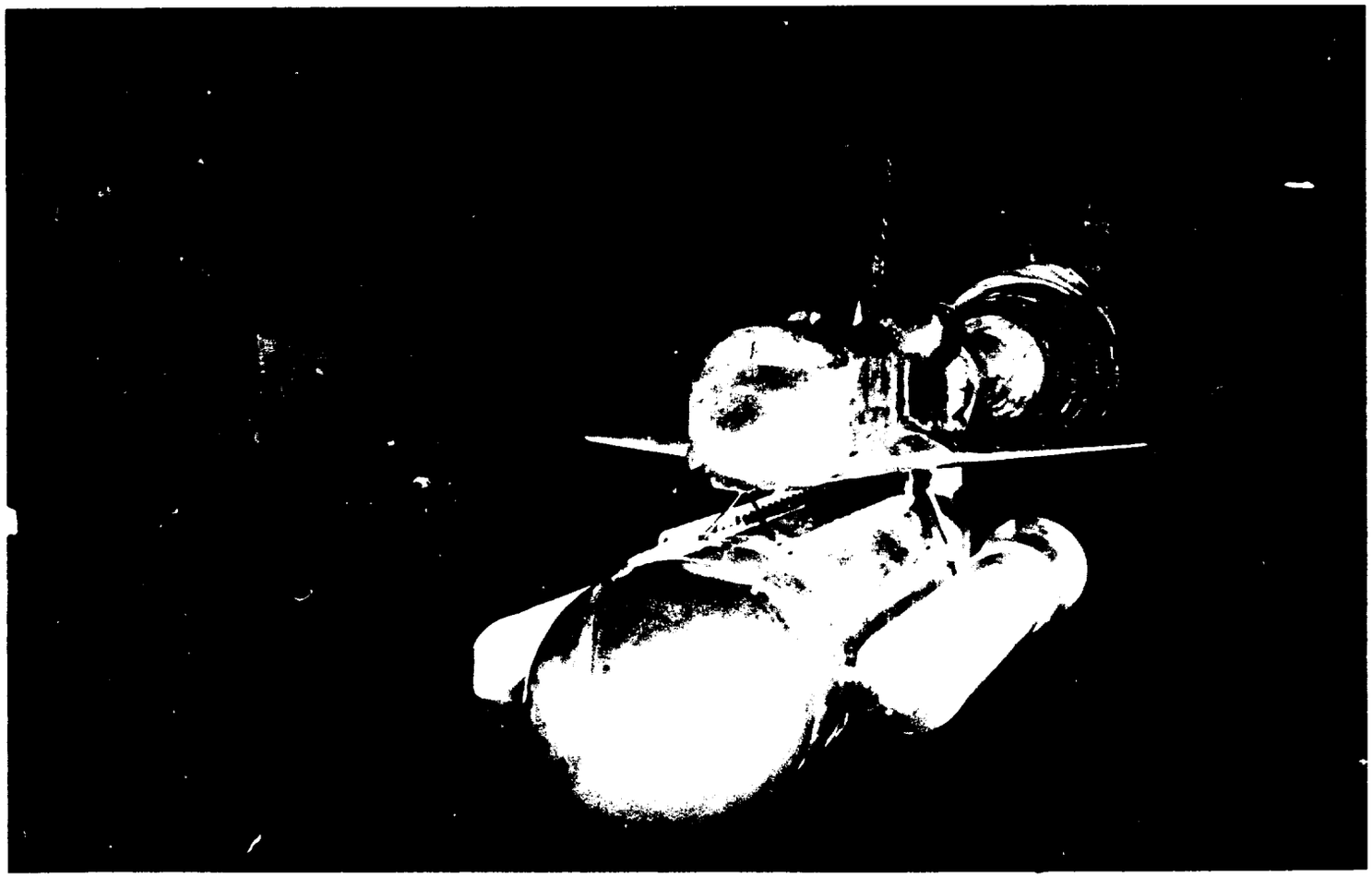
n. Vertical tail, V_8, and rudder, R_5, lines drawing no. VL7U-000146A

Figure 2. - Continued



o. Rudder, R_5, lines drawing no. VL70-000095

Figure 2. - Concluded



a. Front view of model installed in tunnel

Figure 3. - Model photographs.

b. Rear view of model installed in tunnel

Figure 3. - Concluded.

TABULATED PRESSURE DATA

ARC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1S17) (03 OCT 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

BETAO = .000 ELEVON = .000
RUDDER = .000 SPDBRK = .000

MACH (1) = .898 ALPHAO(1) = -8.170

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1020	.0542	-.3095	-.9432	-.5610	-.4750	-.1742	-.0803	-.0882	-.1504	-.0988	-.2941	-.1589	-.0278	-.1331
45.000		.0441	-.2798	-1.1440	-.4610	-.3362							-.1144	-.0630	-.1123
90.000		.1000	-.2482	-1.12 0	-.4954	-.3514	-.3782	-.2762	-.2319	-.2673	-.0587	-.2785	-.0927	.0406	.0052
135.000		.3275	-.1075	-1.0100	-.3019	-.2964							-.0835	.2172	.1501
180.000	1.1020	.5739	.0657	-.8743	-.0899	-.1280	-.2346	-.0830	-.0122	-.0199	.0360	-.3463	-.2000	.0025	0119
225.000		.5761	.1874	-.3225	-.0765	-.0572	-.1381						-.2381	-.1952	-.1637
270.000		.2192	.4931		-.6089	-.7797	-.2215	.0029			.2206	-.3617	-.2919	-.2352	-.2071
315.000		.0091	-.5182	-.6766	-.6151	-.6275	-.1312						-.3092	-.2404	-.2168

X/LS	.9580
PHI	
.000	-.2036
45.000	-.1867
90.000	-.0754
135.000	.0472
180.000	-.0309
225.000	-.1517
270.000	-.2011
315.000	-.1976

MACH (1) = .898 ALPHAO(2) = -4.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1870	.1693	-.2318	-1.1220	-.4493	-.3413	-.0899	-.0282	-.0143	-.0202	.0378	-.2291	-.1378	-.0627	-.1080
45.000		.1721	-.2008	-1.1120	-.4011	-.1781							-.0716	.0219	-.0166
90.000		.2211	-.1615	-1.0930	-.3510	-.1613	-.1929	-.1042	-.0691	-.0788	.0393	-.2079	-.0294	.0887	.0671
135.000		.3296	-.0839	-1.0550	-.1771	-.1544							-.0197	.1704	.1211
180.000	1.1870	.4582	.0041	-.9395	-.0862	-.1001	-.1732	-.0706	.0029	.0229	.1079	-.2858	-.1455	.0936	.0573
225.000		.5088	.0927	-.8528	-.1970	-.0889	-.1190						-.2213	-.1822	-.1502
270.000		.3787	.6372		-.5420	-.5914	-.1593	-.0018			.2313	-.3418	-.2722	-.2204	-.2163
315.000		.2040	-.3103	-.7985	-.5415	-.5727	-.1034						-.2814	-.2057	-.2146

X/LS	9580

ARC11-716 IA14 01+712+S12N25+AT11 SRM BOOSTER (RB1817)

MACH (1) = .898 ALPHAO(2) = -4.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
.000	-.1585
45.000	-.0934
90.000	-.0255
135.000	.0202
180.000	-.0006
225.000	-.1308
270.000	-.2073
315.000	-.2146

MACH (1) = .898 ALPHAO(3) = -.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0960	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2170	.2799	-.1576	-1.0820	-.4594	-.2591	-.1206	-.0410	-.0084	.0052	.0950	-.2003	-.0992	.0115	-.0124
45.000		.2608	-.1471	-1.0770	-.4434	-.0736							-.0099	.1114	.0911
90.000		.2737	-.1209	-1.0720	-.0783	-.0354	-.0764	-.0427	.0009	.0205	.1091	-.1588	.0161	.1230	.1059
135.000		.3005	-.0947	-1.0630	-.2561	-.0468							-.0139	.0965	.0642
180.000	1.2170	.3537	-.0682	-1.0440	-.1526	-.0397	-.1052	-.0780	.0166	.0580	.1293	-.2526	-.1112	.0918	.0230
225.000		.4145	-.0317	-.9426	-.3920	-.0680	-.0496						-.2159	-.1870	-.1497
270.000		.4424	-.0041		-.6594	-.3018	.0100	-.1055			.2618	-.3279	-.2638	-.2217	-.1896
315.000		.3585	-.1515	-.9929	-.5478	-.5516	.0193						-.2487	-.1494	-.1781

X/LS .9580

PHI	
.000	-.0568
45.000	.0000
90.000	.0131
135.000	-.0252
180.000	-.0481
225.000	-.1323
270.000	-.2008
315.000	-.1948

ARC11-716 TA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1317)

MACH (1) = .898 ALPHAO(4) = 3.830

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2000	.3981	-.0851	-1.0401	-.3729	-.1424	-.0370	-.0195	.0033	.0263	.1374	-.2063	-.0449	.1183	.0782
45.000		.3103	-.1173	-1.0540	-.5223	-.0644							.0269	.1993	.1597
90.000		.2528	-.1193	-1.0760	-.3101	-.0238	-.0536	-.0495	.0021	.0517	.1423	-.1350	.0290	.1324	.0827
135.000		.2304	-.1315	-1.0883	-.2924	-.0497							-.0098	.0749	.0420
180.000	1.2000	.2314	-.1332	-1.0770	-.2779	-.1590	-.0534	-.0582	.0366	.1077	.1609	-.2341	-.0800	.0489	-.0232
225.000		.2814	-.1723	-.9318	-.4468	-.4521	.0040						-.2176	-.1685	-.1441
270.000		.4038	.6800		-.5255	-.5621	-.0787	-.1133			.3047	-.3294	-.2572	-.2128	-.1702
315.000		.4588	-.0247	-.8987	-.4095	-.3924	.0138						-.2438	-.1398	-.1648

X/LS	.9580
PHI	
.000	.0112
45.000	.0551
90.000	-.0049
135.000	-.0509
180.000	-.1012
225.000	-.1303
270.000	-.1649
315.000	-.1736

MACH (1) = .898 ALPHAO(5) = 8.030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1220	.5199	-.0210	-.9596	-.1386	-.0761	-.0438	-.0348	-.0145	.0145	.0999	-.2009	-.0493	.2449	.2071
45.000		.3210	-.0998	-1.0320	-.2372	-.1155							.0245	.2762	.1889
90.000		.1501	-.1856	-1.1010	-.3054	-.1414	-.1536	-.1519	-.0882	.0273	.1411	-.1598	-.0083	.1309	.0250
135.000		.1097	-.2020	-1.1220	-.3433	-.1270							-.0268	.0757	-.0116
180.000	1.1220	.1129	-.2025	-.9599	-.4607	-.2438	-.0678	-.0584	.0251	.1110	.1635	-.2573	-.0769	.1196	.0196
225.000		.0862	-.3683	-.9155	-.4994	-.5281	-.0396						-.2080	-.1382	-.1201
270.000		.2743	.5636		-.4712	-.3427	-.0569	-.0490			.1983	-.3209	-.2501	-.2049	-.1450
315.000		.5365	.1065	-.7783	-.2092	-.0294	.0070						-.2498	-.1363	-.1361

X/LS	.9580
PHI	
.000	.1151
45.000	.0707
90.000	-.0711
135.000	-.1159
180.000	-.0656

ARC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (R81817)

MACH (1) = .898 ALPHAO(5) = 8.030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1206
270.000	-.1448
315.000	-.1328

MACH (2) = .977 ALPHAO(1) = -7.920

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1510	.1443	-.1647	-.9311	-.6217	-.4462	-.2895	-.1564	.0306	-.0073	.0320	-.3782	-.1637	.0012	-.1206
45.000		.1311	-.1342	-.9360	-.7614	-.3087							-.1103	-.0329	-.0838
90.000		.1840	-.1121	-.9175	-.4727	-.4437	-.5282	-.5350	-.1148	-.1834	.0301	-.4156	-.0832	.0910	.0684
135.000		.4061	.0259	-.8159	-.2119	-.2857							-.0691	.1594	.1604
180.000	1.1510	.5370	.1789	-.6789	-.0076	-.0602	-.2531	-.3749	.0415	.0591	.0728	-.4849	-.2390	-.0529	-.0319
225.000		.5283	.2895	-.4047	.0144	.0353	-.1456						-.3045	-.2958	-.2591
270.000		.2890	.5658		-.7745	-.6352	-.2203	-.1131			.2406	-.4062	-.3402	-.2875	-.2721
315.000		.1043	-.3762	-.8220	-.7965	-.6975	-.1809						-.3306	-.2503	-.2555

X/LS .9580

PHI	
.000	-.2036
45.000	-.1726
90.000	-.0162
135.000	.0721
180.000	-.0607
225.000	-.2195
270.000	-.2381
315.000	-.2279

MACH (2) = .975 ALPHAO(2) = -5.880

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2200	.2620	-.0663	-.9003	-.5711	-.3607	-.1581	-.0586	.0305	.0480	.1382	-.2949	-.1362	-.0163	-.0827
45.000		.2620	-.0545	-.8917	-.6912	-.1695							-.0580	.0306	.0095
90.000		.3070	-.0219	-.8771	-.6238	-.1325	-.2767	-.2382	.0068	-.0020	.1265	-.3437	-.0215	.1386	.1248
135.000		.4096	.0581	-.8420	-.4790	-.1529							-.0240	.2100	.1791
180.000	1.2200	.5229	.1179	-.7437	-.1783	-.0470	-.1778	-.3096	.0573	.0942	.1525	-.4346	-.1830	.0237	.0063
225.000		.5585	.1922	-.6650	-.3143	.0027	-.1263						-.2898	-.2723	-.2415

ARC11-716 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1817)

MACH (2) = .976 ALPHAO(2) = -3.880

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.4457	.6915		-.6909	-.7105	-.2037	-.0794			.2514	-.3871	-.3184	-.2823	-.2571
315.000		.2987	-.1594	-.9008	-.6918	-.6449	-.1469						-.3043	-.1818	-.2359

X/LS	.9580
PHI	
.000	-.1590
45.000	-.0734
90.000	.0349
135.000	.0802
180.000	-.0546
225.000	-.2084
270.000	-.2409
315.000	-.2445

MACH (2) = .977 ALPHAO(3) = .090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2410	.3699	-.0139	-.8640	-.5019	-.3159	-.0478	-.0358	.0267	.0670	.1585	-.2805	-.1412	.0302	-.0100
45.000		.3470	-.0029	-.8607	-.6280	-.1234							-.0392	.1337	.1123
90.000		.3524	.0103	-.8601	-.6151	-.0385	-.0361	-.1019	.0534	.0960	.1989	-.2635	.0075	.1485	.1390
135.000		.3748	.0296	-.8549	-.5905	-.0250							-.0004	.1477	.1232
180.000	1.2410	.4130	.0443	-.8449	-.4138	-.0305	-.0695	-.2095	.0695	.1402	.2194	-.3866	-.1187	.0880	.0073
225.000		.4665	.0661	-.7632	-.4758	-.1256	-.0522						-.2729	-.2419	-.2254
270.000		.5008	.7565		-.6357	-.5560	-.1558	-.0706			.2964	-.3753	-.3099	-.2711	-.2467
315.000		.4322	-.0078	-.7972	-.5345	-.5120	-.0555						-.2973	-.2147	-.2250

X/LS	.9580
PHI	
.000	-.0669
45.000	.0291
90.000	.0427
135.000	.0274
180.000	-.0672
225.000	-.1956
270.000	-.2179
315.000	-.2261

AEC11-716 1A14 01+T12+S12N25+AT11 SRM BOOSTER (RB1817)

MACH (2) = .975 ALPHAO(4) = 4.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2240	.4748	.0465	-.8399	-.3824	-.3173	-.0154	-.0129	.0203	.0761	.1962	-.2544	-.1075	.1534	.0960
45.000		.3919	.0354	-.8568	-.5993	-.1525							-.0267	.2044	.1712
90.000		.3109	-.0052	-.8902	-.6256	-.0617	-.0033	-.0660	.0233	.1103	.2108	-.2268	-.0079	.1474	.1004
135.000		.2332	-.0146	-.8918	-.6468	-.0656							-.0167	.1526	.0875
180.000	1.2240	.2965	-.0265	-.8991	-.3387	-.1907	.0044	-.1109	.0648	.1680	.2242	-.3416	-.1051	.0598	-.0212
225.000		.3425	-.0745	-.7772	-.4441	-.5427	.0640						-.2616	-.2022	-.1906
270.000		.4521	.7300		-.4817	-.5503	-.0120	-.0580			.3286	-.3679	-.3001	-.2468	-.2095
315.000		.5174	.1162	-.7218	-.3546	-.4226	-.0022						-.2740	-.1418	-.1796

X/LS .9580

PHI	
.000	.0394
45.000	.0793
90.000	.0077
135.000	-.0121
180.000	-.0934
225.000	-.1833
270.000	-.1091
315.000	-.1944

MACH 2) = .977 ALPHAO(5) = 8.030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1470	.5892	.1092	-.7539	-.3025	-.1761	-.0062	-.0206	-.0033	.0636	.1665	-.2497	-.1039	.2376	.2204
45.000		.4017	.0254	-.8248	-.4602	-.2559							-.0496	.2783	.2108
90.000		.2150	-.0680	-.9210	-.6509	-.0635	-.0877	-.1456	-.0795	.0839	.2102	-.2121	-.0643	.1140	.0408
135.000		.1693	-.0826	-.9141	-.5338	-.0837							-.0719	.0957	.0067
180.000	1.1470	.1773	-.0984	-.8783	-.4550	-.2657	-.0134	-.0799	.0440	.1617	.2343	-.3190	-.1054	.1412	.0375
225.000		.1530	-.2588	-.7153	-.4630	-.5407	-.0109						-.2378	-.1457	-.1465
270.000		.3103	.6047		-.4530	-.5395	-.0801	-.0426			.2507	-.3564	-.3053	-.2455	-.1930
315.000		.5026	.2145	-.6377	-.2696	-.0924	.0146						-.2578	-.1369	-.1551

X/LS .9580

PHI	
.000	.1412
45.000	.1142
90.000	-.0496
135.000	-.1001
180.000	-.0383

ARC11-716 1A14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1517)

MACH (2) = .977 ALPHA0(5) = 8.030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9590

PHI	
225.000	-.1646
270.000	-.1776
315.000	-.1590

MACH (3) = 1.102 ALPHA0(1) = -7.940

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2290	.1915	-.0087	-.5687	-.4435	-.2785	-.1634	-.1311	-.1267	-.0041	.1203	-.3093	-.1651	.0668	-.0419
													-.1161	.0310	-.0138
45.000		.1626	.0195	-.6756	-.5420	-.2035									
90.000		.2617	.0485	-.6596	-.3329	-.2876	-.3797	-.4347	-.3145	-.1844	.1113	-.2947	-.0526	.1018	.1684
													-.0316	.1925	.2811
135.000		.4836	.1637	-.5740	-.0603	-.1221									
180.000	1.2280	.6900	.3287	-.4345	.1420	.1007	-.0968	-.2110	-.2335	.0510	.0477	-.3979	-.1645	.0395	.0783
													-.2654	-.2386	-.2138
225.000		.6492	.4302	-.1733	.1774	.1965	-.0120								
270.000		.5047	.6604		-.6083	-.4529	-.1014	-.0774			.2848	-.3786	-.3089	-.2705	-.2629
315.000		.1360	-.2154	-.6016	-.6109	-.5043	-.0625						-.2789	-.0944	-.1654

X/LS .9580

PHI	
.000	-.1213
45.000	-.0938
90.000	.1098
135.000	.2039
180.000	.0366
225.000	-.1920
270.000	-.2649
315.000	-.1555

MACH (3) = 1.101 ALPHA0(2) = -5.890

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2880	.3077	.0671	-.6457	-.4399	-.2381	-.0629	-.0482	-.0907	-.0039	.1855	-.2500	-.1716	.0880	.0008
													-.1256	.1062	.1126
45.000		.3112	.1047	-.6382	-.4791	-.0667									
90.000		.3611	.1374	-.6235	-.4199	-.0695	-.1481	-.1823	-.1718	-.0103	.2029	-.2280	-.0922	.1927	.2437
													-.0215	.2362	.3043
135.000		.4608	.1981	-.5927	-.3025	-.0109									
180.000	1.2860	.5683	.2373	-.5510	-.1040	.1080	-.0572	-.1367	-.1869	.0853	.2119	-.3459	-.1055	.0865	.0862
225.000		.5947	.3184	-.4297	-.3002	.1618	-.0230						-.2508	-.2027	-.1948

AP 11-716 IA14 OL+T12+S12N25+AT11 SRM BOOSTER (RB1817)

MACH (3) = 1.101 ALPHAO(2) = -3.890

SECTION 1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.4851	.7854		-.5348	-.4849	-.1008	-.0369			.5056	-.3521	-.3112	-.2807	-.2519
315.000		.3406	-.0051	-.6810	-.5358	-.4761	-.0645						-.2600	-.1051	-.1855

X/LS	.9580
PHI	
.000	-.0699
45.000	.0433
90.000	.1668
135.000	.2172
180.000	.0400
225.000	-.1685
270.000	-.2478
315.000	-.1757

MACH (3) = 1.101 ALPHAO(3) = .090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3010	.4072	.1394	-.6129	-.3551	-.2188	.0047	.0007	-.0492	-.0170	.2549	-.2298	-.1657	.0902	.0990
45.000		.3965	.1340	-.6069	-.4272	-.0736							.1125	.1624	.2055
90.000		.4011	.1640	-.6056	-.4190	.0216	.0289	-.0359	-.0884	.0430	.2997	-.1557	-.1128	.2202	.2708
135.000		.4159	.1803	-.6003	-.4056	.0193							-.0475	.2440	.2882
180.000	1.3010	.4366	.1921	-.5987	-.2349	.0103	.0311	-.0959	-.1273	.1213	.3013	-.2948	-.0593	.1406	.1153
225.000		.4815	.2059	-.5333	-.3365	-.1255	.0479						-.2359	-.1605	-.1771
270.000		.5217	.8553		-.4741	-.4336	-.1198	-.0669			.3290	-.3312	-.2991	-.2619	-.2312
315.000		.4585	.1495	-.5578	-.3769	-.3570	-.0201						-.2503	-.1309	-.1805

X/LS	.9580
PHI	
.000	.0452
45.000	.1332
90.000	.1871
135.000	.1699
180.000	.0483
225.000	-.1757
270.000	-.2265
315.000	-.1913

ARC11-716 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1817)

MACH (3) = 1.100 ALPHAO(4) = 4.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1190	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2860	.4971	.2020	-.5823	-.2383	-.1518	-.0062	.0235	-.0107	-.0194	.2732	-.1805	-.1425	.1886	.1884
45.000		.4223	.1752	-.5952	-.3765	-.1503							-.0970	.2512	.2455
90.000		.3506	.1477	-.6179	-.4307	-.0364	.0615	.0151	-.0714	.0445	.2682	-.1197	-.0742	.[illegible]41	.1872
135.000		.3202	.1524	-.6295	-.4620	-.0290							-.1464	.2[illegible]9	.2373
180.000	1.2560	.3229	.1112	-.6388	-.2675	-.1436	.0988	-.0337	-.0707	.1512	.3099	-.2692	-.0647	.1458	.1113
225.000		.3579	.0617	-.6161	-.3413	-.4138	.1327						-.2080	-.1157	-.1425
270.000		.4766	.8201		-.3822	-.4406	-.0338	-.0556			.3209	-.3180	-.2677	-.2269	-.1905
315.000		.5322	.2135	-.4681	-.2785	-.2442	.0040						-.2264	-.0733	-.1227

X/LS	.9580
PHI	
.000	.1422
45.000	.1744
90.000	.0869
135.000	.1402
180.000	.0392
225.000	-.1609
270.000	-.1870
315.000	-.1535

MACH (3) = 1.099 ALPHAO(5) = 8.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1190	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2380	.6110	.2528	-.5289	-.1369	-.0728	-.0135	.0126	-.0043	-.0181	.2351	-.1636	-.1275	.3248	.3193
45.000		.4366	.1769	-.5896	-.3265	-.1691							-.1027	.3182	.2928
90.000		.2451	.0805	- 6503	-.4690	-.1857	-.0467	-.0344	-.1359	.0131	.2770	-.1017	-.1065	.1890	.1182
135.000		.1898	.0544	-.6684	-.5371	-.0856							-.1160	.1309	.0898
180.000	1.2380	.2047	.0311	-.6624	-.3201	-.2154	.0594	-.0053	-.0401	.1296	.2921	-.2493	-.0587	.2264	.1291
225.000		.1445	-.1561	-.4971	-.3818	-.4303	.0532						-.1825	-.0748	-.1055
270.000		.3505	.6933		-.3782	-.1929	-.0002	-.0393			.2327	-.3041	-.2582	-.1900	-.1422
315.000		.5093	.3525	-.4302	- 2246	-.0158	.0312						-.1933	-.0189	-.0391

X/LS	.9580
PHI	
.000	.2806
45.000	.2147
90.000	.0378
135.000	-.0010
180.000	.0518

ADC11-716 IA14 C1+T12+S12+25+AT11 SRM BOOSTER (RB1S17)

MACH (3) = 1.099 ALPHA(3) = 8.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	.1351
270.000	-.1460
315.000	-.0434

MACH (4) = 1.248 ALPHA(1) = -7.940

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3750	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3090	.1104	.0419	-.4964	-.3952	-.3619	-.1750	-.1200	-.1439	-.0556	.1241	-.2295	-.3049	.0912	-.0802
45.000		.0671	.0840	-.4949	-.4232	-.2759							-.2425	.0242	.0027
90.000		.1711	.1416	.4720	-.3919	-.2167	-.3440	.4437	-.3145	-.2049	.0140	-.2454	-.1908	.0218	.1101
135.000		.4015	.2830	-.4113	-.2155	-.0714							-.1413	.0414	.2740
180.000	1.3394	.5916	.4100	-.3421	-.1497	.1[illegible]	.3149	-.1011	.2210	-.0196	.0279	-.3302	-.2675	-.0192	.0947
225.000		.6579	.4366	-.2057	-.1114	.2992	.0434						-.2207	-.1973	-.1720
270.000		.5143	.3287		-.1716	-.0148	-.2543	-.0705			.2927	-.3159	-.2447	-.2039	-.2050
315.000		.1256	-.1479	-.5971	-.5427	-.4[illegible]	-.1261						-.2391	-.0693	-.0994

X/LS .9580

PHI	
.000	-.0706
45.000	-.0806
90.000	.1983
135.000	.2704
180.000	.0735
225.000	-.1629
270.000	-.2034
315.000	-.1279

MACH (4) = 1.248 A PHA(2) = -3.840

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3750	.4880	.6030	.7180	.8330	.9900	.9170	.9390
PHI															
.000	1.3440	.2002	.1481	-.4993	-.3736	-.3100	-.0304	-.0081	-.0625	-.0583	.1602	-.1909	-.2424	.0510	.0842
45.000		.0920	.1897	-.4474	-.3563	-.2131							-.2422	.0705	.1117
90.000		.1973	.2292	-.4363	-.3248	-.1602	-.1308	-.1274	-.1967	-.1010	.1607	-.1648	-.2503	.1275	.2312
135.000		.3185	.2931	-.4130	-.2753	-.0477							-.2701	.1083	.3286
180.000	1.3440	.4646	.3442	-.3871	-.1414	.1702	.0020	-.0583	-.1619	.0599	.1230	-.2664	-.2837	.0580	.1900
225.000		.5251	.4094	-.2920	-.3651	.2632	.0297						-.2109	-.1410	-.1498

ARC11-716 TA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1517)

MACH (4) = 1.246 ALPHAO(2) = -3.840

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4586	.9168		-.4668	-.4741	-.1984	-.0760			.3082	-.2872	-.2495	-.2286	-.1980
315.000		.3047	.0850	-.4871	-.4850	-.4736	-.1395						-.2222	-.0508	-.1275

X/LS .9580

PHI	
.000	-.0162
45.000	.0813
90.000	.2016
135.000	.2969
180.000	.1099
225.000	-.1439
270.000	-.1971
315.000	-.1262

MACH (4) = 1.244 ALPHAO(3) = .050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3520	.2461	.2275	-.4287	-.3041	-.2296	-.0149	-.0234	-.0237	-.0242	.2498	-.1768	-.2121	.0602	.1000
45.000		.1734	.2518	-.4216	-.3145	-.1810							-.1792	.1496	.1942
90.000		.1862	.2602	-.4187	-.3059	-.1600	.0032	.0125	-.0809	-.0595	.2786	-.0641	-.2017	.1805	.2567
135.000		.1915	.2735	-.4205	-.3064	-.0627							-.2906	.1250	.3367
180.000	1.3520	.2754	.2756	-.4192	-.2675	-.0658	.0330	.0141	-.1096	.1333	.3179	-.2236	-.2938	.1010	.2446
225.000		.4326	.2966	-.3666	-.3254	-.3123	.0626						-.2040	-.0503	-.1000
270.000		.4872	.9615		-.3974	-.4331	-.3023	-.1191			.3092	-.2658	-.2498	-.2123	-.1645
315.000		.4069	.2487	-.3817	-.3440	-.3634	-.0918						-.2117	-.0900	-.1471

X/LS .9580

PHI	
.000	.0748
45.000	.1609
90.000	.2347
135.000	.2873
180.000	.1753
225.000	-.1191
270.000	-.1749
315.000	-.1392

APC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1817)

MACH (4) = 1.249 ALPHAO(4) = 4.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3400	.4446	.2952	-.3959	-.2131	-.1388	-.0427	-.0205	.0059	.0025	.2608	-.1235	-.1631	.1760	.1925
45.000		.3026	.2701	-.4068	-.2893	-.1634							-.1090	.2398	.2335
90.000		.1896	.2349	-.4276	-.3194	-.1790	-.0059	.0237	-.0350	-.0444	.2872	-.0453	-.1570	.1883	.1484
135.000		.1050	.2153	-.4361	-.3362	-.1586							-.2554	.1397	.2992
180.000	1.3400	.1820	.1983	-.4392	-.2568	-.1593	.0544	.0618	-.0589	.1415	.3703	-.1975	-.2801	.0727	.2622
225.000		.3033	.1399	-.4522	-.3130	-.4121	.0805						-.1911	-.0621	-.0742
270.000		.4395	.9259		-.3386	-.4071	-.0330	-.0841			.2639	-.2544	-.2221	-.1796	-.1447
315.000		.4941	.3642	-.3020	-.3167	-.2464	.0009						-.1897	-.0420	-.0857

X/LS	.9580
PHI	
.000	.1633
45.000	.1913
90.000	.1072
135.000	.2393
180.000	.1787
225.000	-.1018
270.000	-.1466
315.000	-.0820

MACH (4) = 1.249 ALPHAO(5) = 7.930

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3020	.5577	.3523	-.3635	-.0939	-.0775	-.0503	-.0432	-.0050	.0085	.2202	-.1020	-.1207	.2981	.3343
45.000		.3805	.2618	-.4094	-.2708	-.1802							-.0936	.2851	[illegible]
90.000		.1676	.1616	-.4652	-.3982	-.2655	-.1646	-.0542	-.0595	-.0380	.2710	-.0222	-.1399	.2028	.1263
135.000		.0480	.1126	-.4858	-.4092	-.1646							-.2438	.1107	.107
180.000	1.3020	.0964	.0833	-.4739	-.2491	-.2712	.0040	.0343	-.0209	.1116	.3055	-.1774	-.2840	.0944	.2641
225.000		.1522	-.0920	-.4263	-.3369	-.3947	-.0127						-.1690	-.0241	-.0378
270.000		.3351	.8275		-.3286	-.2967	.0082	.0128			.2051	-.2467	-.2110	-.1567	-.1064
315.000		.5580	.4465	-.2341	-.2742	-.0797	.0207						-.1682	.0369	.0024

X/LS	.9580
PHI	
.000	.2988
45.000	.2537
90.000	.0821
135.000	.0510
180.000	.1445

ARC11-716 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1S17)

MACH (4) = 1.249 ALPHAO(5) = 7.930

SECTION (1):SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.0803
270.000	-.0995
315.000	.0163

ARC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (R81818) (02 OCT 78)

REFERENCE DATA

SREF = 8.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAO = .000 ELEVON = .000
RUDDER = .000 SPDBRK = .000

MACH (1) = .899 BETAO (1) = -8.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2180	.2822	-.1686	-1.0930	-.2657	-.2294	-.0469	-.0203	.0008	.0300	.1360	-.2298	-.1884	-.0730	-.1686
45.000		.3275	-.1088	-1.0500	-.1757	-.1064							-.0347	.1755	.0906
90.000		.3924	-.0377	-1.0075	-.0784	-.0132	-.0242	-.0114	.0292	.0609	.1410	-.1058	.0879	.3312	.2525
135.000		.3795	-.0392	-1.0200	-.0192	.0132							.0765	.2689	.2310
180.000	1.2180	.3505	-.0750	-1.0570	-.0352	.0068	-.0024	-.0146	.0685	.1628	.2682	-.2008	-.0328	.1022	.0263
225.000		.3600	-.0735	-.9866	-.3409	-.1051	.0231						-.2458	-.1087	-.1933
270.000		.3882	.7019		-.5557	-.4801	-.1394	-.0651			.1202	-.3492	-.2888	-.2342	-.1995
315.000		.3170	-.1794	-.9841	-.4864	-.4063	-.0183						-.2973	-.2135	-.2153

X/LS	.9580
PHI	
.000	-.2285
45.000	-.0229
90.000	.1184
135.000	.0979
180.000	-.0769
225.000	-.2212
270.000	-.1711
315.000	-.2138

MACH (1) = .898 BETAO (2) = -4.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2210	.2812	-.1549	-1.0850	-.3282	-.2551	-.0543	-.0287	-.0048	.0130	.1058	-.2363	-.1565	-.0483	-.0964
45.000		.2936	-.1237	-1.0630	-.3082	-.1019							-.0212	.1391	.0641
90.000		.3248	-.0778	-1.0430	-.2079	-.0363	-.0578	-.0311	.0108	.0382	.1209	-.1373	.0573	.2192	.1750
135.000		.3415	-.0745	-1.0430	-.1505	-.0191							.0382	.1802	.1486
180.000	1.2210	.3529	-.0668	-1.0510	-.0767	-.0262	-.0520	-.0455	.0466	.1204	.2142	-.2186	-.0495	.1357	.0414
225.000		.3645	-.0553	-.9700	-.3756	-.1432	-.0143						-.2276	-.1652	-.1687
270.000		.4124	.7042		-.5709	-.3936	.0046	-.0435			.2587	-.3419	-.2770	-.2268	-.1977
315.000		.3334	-.1666	-.9793	-.5068	-.4860	-.0120						-.2800	-.2011	-.2024

X/LS	.9580

ARC11-716 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1518)

MACH (1) = .898 BETAO (2) = -4.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
.000	-.1518
45.000	-.0113
90.000	.0586
135.000	.0386
180.000	-.0582
225.000	-.1636
270.000	-.1715
315.000	-.2069

MACH (1) = .897 BETAO (3) = .030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2180	.2793	-.1598	-1.0960	-.4701	-.2576	-.0696	-.0359	-.0128	.0050	.0887	-.2081	-.0992	.0053	-.0244
45.000		.2610	-.1466	-1.0800	-.3604	-.0750							-.0024	.1101	.0814
90.000		.2710	-.1203	-1.0750	-.3287	-.0304	-.0830	-.0464	.0003	.0233	.1063	-.1648	.0184	.1331	.1064
135.000		.3046	-.0964	-1.0660	-.2603	-.0476							-.0151	.0886	.0681
180.000	1.2180	.3518	-.0674	-1.0490	-.1498	-.0492	-.1072	-.0744	.0129	.0611	.1276	-.2536	-.1082	.0899	.0166
225.000		.4136	-.0352	-.9492	-.3935	-.0656	-.0467						-.2167	-.1865	-.1503
270.000		.4403	.7058		-.6477	-.3380	.0119	-.1070			.2645	-.3282	-.2671	-.2222	-.1985
315.000		.3565	-.1568	-.9901	-.5419	-.3549	.0243						-.2492	-.1571	-.1827

X/LS .9580

PHI	
.000	-.0710
45.000	-.0007
90.000	.0087
135.000	-.0231
180.000	-.0513
225.000	-.1231
270.000	-.1967
315.000	-.1977

ARC11-716 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1818)

MACH (1) = .898 BETAO (4) = 4.100

SECTION (.)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2060	.2725	-.1623	-1.0800	-.5528	-.2017	-.0556	-.0313	-.0058	.0041	.0961	-.1852	-.0463	.0848	.0731
45.000		.2268	-.1718	-1.0890	-.5791	-.0549							.0101	.1474	.1071
90.000		.2276	-.1593	-1.0920	-.5768	-.0046	-.0761	-.0450	-.0011	.0100	.0803	-.1626	-.0122	.1051	.0391
135.000		.2651	-.1304	-1.0830	-.4030	-.0748							-.0602	.0171	-.0078
180.000	1.2060	.3466	-.0759	-1.0390	-.2942	-.0799	-.1592	-.1020	-.0103	.0263	.0529	-.2433	-.1347	.0039	-.0458
225.000		.4452	-.0036	-.9099	-.3863	-.0105	-.0903						-.2171	-.1706	-.1243
270.000		.4718	.6994		-.7652	-.2216	-.0385	-.1451			.2192	-.3000	-.2253	-.1885	-.1714
315.000		.3713	-.1397	-.9908	-.5724	-.4890	.0182						-.2292	-.1288	-.1271

X/LS	.9580
PHI	
.000	.0073
45.000	.0068
90.000	-.0431
135.000	-.0846
180.000	-.1077
225.000	-.1373
270.000	-.1860
315.000	-.1279

MACH (1) = .898 BETAO (5) = 8.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1890	.2588	-.1746	-1.0750	-.5898	-.1624	-.0488	-.0253	-.0023	.0059	.1031	-.1781	.0180	.1882	.1897
45.000		.1928	-.2035	-1.1010	-.4047	-.0493							.0271	.1587	.1156
90.000		.1889	-.1940	-1.1060	-.4261	.0064	-.0736	-.0402	-.0018	.0069	.0564	-.1670	-.0075	.1224	.0642
135.000		.2236	-.1706	-1.1010	-.4860	-.1161							-.0817	-.0087	-.0468
180.000	1.1890	.3392	-.0775	-1.0270	-.3645	-.1255	-.2153	-.1313	-.0268	.0143	-.0010	-.2644	-.1802	-.0930	-.1198
225.000		.4739	.0352	-.8961	-.3441	-.0070	-.1376						-.2151	-.1643	-.1400
270.000		.4956	.6967		-.8050	-.1344	-.1092	-.2105			.1802	-.3010	-.2272	-.1949	-.1704
315.000		.3890	-.1220	-.9761	-.5718	-.3960	-.0001						-.2077	-.0418	-.0122

X/LS	.9580
PHI	
.000	.1017
45.000	.0125
90.000	-.0249
135.000	-.1067
180.000	-.1639

ARC11-718 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1518)

MACH (1) = .898 BETAO (5) = 8.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1627
270.000	-.1965
315.000	-.0160

MACH (2) = .978 BETAO (1) = -8.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2600	.3508	-.0289	-.8714	-.4929	-.1927	-.1280	-.0558	.0260	.0899	.2319	-.2781	-.1836	-.0586	-.1108
45.000		.3914	.0315	-.8342	-.5547	-.0512							-.0436	.1903	.1363
90.000		.4449	.0374	-.7936	-.4778	.0511	-.0170	-.0598	.0547	.1212	.2316	-.2302	.1003	.3630	.3054
135.000		.4334	.0791	-.8160	-.5075	.0860							.1221	.3652	.3090
180.000	1.2600	.3993	.0367	-.8493	-.2798	.0696	.0418	-.1214	.0918	.2320	.3571	-.3779	-.0112	.1825	.1047
225.000		.4145	.0421	-.7884	-.5062	-.0971	.0614						-.2959	-.1136	-.2512
270.000		.4458	.7733		-.5930	-.6995	-.1793	-.0345			.3206	-.3932	-.3497	-.2944	-.2572
315.000		.3823	-.0337	-.8196	-.5321	-.4505	-.0521						-.3395	-.2578	-.2820

X/LS .9580

PHI	
.000	-.2162
45.000	.0323
90.000	.1779
135.000	.1740
180.000	-.0035
225.000	-.2759
270.000	-.2280
315.000	-.2803

MACH (2) = .976 BETAO (2) = -4.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2570	.3590	-.0222	-.8700	- 4974	-.2490	-.1053	-.0517	.0339	.0953	.2113	-.2769	-.1630	-.0316	-.0993
45.000		.3678	.0164	-.8523	-.5989	-.0780							-.0257	.1557	.1266
90.000		.3962	.0478	-.8350	-.5554	.0024	-.0522	-.1031	.0509	.1061	.2250	- 2533	.0608	.2710	.2368
135.000		.4088	.0374	-.8382	-.5546	.0200							.0688	.2754	.2365
180.000	1.2570	.4142	.0451	-.8484	-.4787	.0033	-.0162	-.1787	.0923	.1941	.3124	-.3875	-.0423	.1526	.0739
225.000		.4427	.0541	-.7796	-.4780	-.2081	-.0046						-.2854	-.1664	-.2224

ARC11-716 TA14 01+712+S12*25+AT11 SRM BOOSTER (RB1S18)

MACH (2) = .978 BETAO (2) = -4.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4980	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4731	.7845		-.5958	-.6098	-.2307	-.0550			.3365	-.3820	-.3140	-.2594	-.2376
315.000		.4020	-.0294	-.8169	-.5344	-.4028	-.0954						-.3189	-.2575	-.2578

X/LS	.9580
PHI	
.000	-.1560
45.000	.0333
90.000	.1230
135.000	.1175
180.000	-.0199
225.000	-.2305
270.000	-.2073
315.000	-.2490

MACH (2) = .975 BETAO (3) = .040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4980	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2430	.3603	-.0257	-.8739	-.5110	-.3111	-.0461	-.0272	.0304	.0636	.1593	-.2851	-.1443	.0153	-.0268
45.000		.3398	-.0116	-.8697	-.5385	-.1183							-.0375	.1192	.1038
90.000		.3513	.0048	-.8664	-.6212	-.0432	-.0599	-.1103	.0496	.0875	.1971	-.2896	.0092	.1568	.1435
135.000		.3784	.0265	-.8600	-.5113	-.0378							.0035	.1483	.1312
180.000	1.2430	.4137	.0442	-.8479	-.4066	-.0400	-.0717	-.2149	.0653	.1344	.2251	-.3872	-.1262	.1063	.0222
225.000		.4720	.0693	-.7621	-.4485	-.1564	-.0569						-.2754	-.2296	-.2221
270.000		.4975	.7502		-.6170	-.6126	-.1895	-.0579			.2903	-.3677	-.3052	-.2534	-.2451
315.000		.4197	-.0216	-.8113	-.5472	-.5218	-.0907						-.3030	-.2215	-.2304

X/LS	.9580
PHI	
.000	-.0841
45.000	.0142
90.000	.0469
135.000	.0301
180.000	-.0581
225.000	-.1919
270.000	-.2262
315.000	-.2453

ARC11-716 1A14 01+T12+S12N25+AT11 SRM BOOSTER (RB1S18)

MACH (2) = .976 BETAO (4) = 4.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2220	.3561	-.0257	-.8648	-.5432	-.3610	-.0315	-.0308	.0281	.0620	.1631	-.2613	-.0893	.1005	.0705
45.000		.3144	-.0343	-.8753	-.6556	-.1457							-.0210	.1527	.1130
90.000		.3111	-.0293	-.8789	-.6612	-.0735	-.0523	-.1093	.0497	.0754	.1500	-.2671	-.0184	.1713	.0765
135.000		.3439	-.0025	-.8709	-.5955	-.0073							-.0494	.0776	.0285
180.000	1.2220	.4118	.0442	-.8322	-.3980	-.0869	-.1226	-.2329	.0356	.0939	.1074	-.3513	-.1567	.0050	-.0627
225.000		.4938	.0996	-.7259	-.4003	-.0255	-.0781						-.2555	-.2123	-.1820
270.000		.5175	.7292		-.7634	-.3328	-.0375	-.0921			.2428	-.3359	-.2669	-.2220	-.1976
315.000		.4343	-.0037	-.7899	-.5726	-.4835	-.0211						-.2586	-.1443	-.1651

X/LS	.9580
PHI	
.000	.0123
45.000	.0147
90.000	-.0165
135.000	-.0620
180.000	-.1260
225.000	-.1676
270.000	-.1960
315.000	-.1712

MACH (2) = .974 BETAO (5) = 8.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2000	.3285	-.0356	-.8715	-.5552	-.4246	-.0138	-.0189	.0258	.0577	.1537	-.2737	-.0700	.1699	.1543
45.000		.2696	-.0652	-.8996	-.6813	-.1736							-.0218	.1642	.1225
90.000		.2585	-.0644	-.9054	-.6970	-.0992	-.0392	-.0947	.0405	.0643	.1205	-.2726	-.0318	.1644	.0704
135.000		.2895	-.0378	-.8982	-.5759	-.1631							-.1131	-.0024	-.0562
180.000	1.2000	.3841	.0537	-.8229	-.3171	-.1929	-.1620	-.1983	.0003	.0643	.0471	-.3381	-.2109	-.1019	-.1360
225.000		.4784	.1281	-.7062	-.2331	-.0994	-.1449						-.2774	-.2129	-.1941
270.000		.4924	.7629		-.7346	-.2396	-.0298	-.1244			.2117	-.3576	-.2692	-.2140	-.2013
315.000		.4256	.0109	-.7752	-.5560	-.4513	-.0086						-.2579	-.1407	-.1500

X/LS	.9580
PHI	
.000	.0772
45.000	.0518
90.000	-.0193
135.000	-.1254
180.000	-.1953

ARC11-716 IA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1S18)

MACH (2) = .974 BETAO (5) = 8.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2049
270.000	-.2204
315.000	-.1389

MACH (3) = 1.102 BETAO (1) = -8.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3270	.4507	.1259	-.6243	-.4263	-.2024	-.0558	-.0574	-.0357	.0866	.2980	-.2162	-.2971	.0014	-.0529
45.000		.4705	.1696	-.5900	-.3768	-.1463							-.2913	.1796	.2135
90.000		.5195	.2474	-.5593	-.3139	-.0463	.0912	.0104	-.0396	.1233	.3330	-.1259	-.2643	.2830	.3771
135.000		.5009	.2259	-.5761	-.3504	.1287							-.2235	.2738	.4317
180.000	1.3270	.4631	.1913	-.6106	-.3762	.1269	.1710	.0089	-.0442	.2519	.4627	-.3174	-.0787	.1518	.2609
225.000		.4752	.1792	-.5951	-.3706	-.0171	.1911						-.2380	-.1878	-.2500
270.000		.5145	.2669		-.4260	-.6515	-.1987	-.0599			.3925	-.3461	-.3199	-.3170	-.2889
315.000		.4514	.1221	-.5902	-.4223	-.3684	-.0283						-.3063	-.1959	-.2830

X/LS .9580

PHI	
.000	-.1208
45.000	.1367
90.000	.2826
135.000	.3030
180.000	.1365
225.000	-.2710
270.000	-.2674
315.000	-.2914

MACH (3) = 1.100 BETAO (2) = -4.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3110	.4080	.1279	-.6222	-.4045	-.2099	-.0155	-.0370	-.0426	.0141	.2818	-.2257	-.2150	.0371	.0013
45.000		.4229	.1709	-.6059	-.4127	-.1131							-.2178	.1897	.2144
90.000		.4507	.1993	-.5907	-.3753	.0044	.0758	-.0217	-.0687	.0586	.3156	-.1444	-.1881	.2627	.3566
135.000		.4596	.2057	-.5948	-.3802	.0901							-.0426	.2783	.3736
180.000	1.3110	.4525	.1899	-.6054	-.3389	.0957	.1103	-.0311	-.1030	.1834	.3974	-.3189	-.0385	.1758	.2054
225.000		.4824	.1942	-.5902	-.3637	-.1731	.1174						-.2556	-.1386	-.1953

APC11-716 TA14 C4+T12+S12N25+AT11 SRM BOOSTER (RB1S18)

MACH (3) = 1.100 BETAO (2) = -4.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.5150	.8565		-.4667	-.5015	- 1567	-.06 6			.3775	-.3289	-.3019	-.2805	-.2582
315.000		.4494	.1245	-.5795	-.4076	-.3490	-.065						-.2835	-.1935	-.2478

X/LS	.9580
PHI	
.000	-.0554
45.000	.1421
90.000	.2432
135.000	.2603
180.000	.1872
225.000	-.2197
270.000	-.2328
315.000	-.2034

MACH (3) = 1.102 BETAO (3) = .030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2960	.3927	.1349	-.6131	-.3759	-.2100	.0014	-.0025	-.04 5	-.0099	.2573	-.2348	-.1828	.0726	.0970
45.000		.3690	.1505	-.6041	-.4308	-.0691							-.1335	.1665	.2066
90.000		.3802	.1675	-.6018	-.4144	.0209	.0259	-.0415	-.0877	.0447	.2897	-.1585	-.1245	.2328	.2798
135.000		.4080	.1941	-.5972	-.3990	.0252							-.0446	.2512	.2951
180.000	1.2960	.4378	.1994	-.5928	-.2840	.0121	.0297	-.0908	-.1245	.1249	.3109	-.2994	-.0573	.1419	.1179
225.000		.4812	.2147	-.5271	-.3134	-.1494	.0471						-.2296	-.1451	-.1747
270.000		.5092	.6506		-.4492	-.4653	-.1319	-.0665			.3277	-.3363	-.2980	-.2667	-.2411
315.000		.4422	.1356	-.5647	-.3964	-.3550	-.0583						-.2546	-.1362	-.1896

X/LS	.9580
PHI	
.000	.0455
45.000	.1365
90.000	.1985
135.000	.1970
180.000	.0557
225.000	-.1651
270.000	-.2215
315.000	-.2029

P011-716 TA14 01+712+S12N25+AT11 SRM BOOSTER (RB1518)

MACH (3) = 1.100 BETAO (4) = 4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4890	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2750	.3569	.1311	-.6162	-.3622	-.2459	-.0266	.0005	-.0553	.0333	.2431	-.2119	-.1132	.2027	.2004
45.000		.3342	.1260	-.6232	-.4525	-.0421							-.0865	.2661	.2201
90.000		.3334	.1262	-.6253	-.4597	.0064	-.0107	-.0670	-.1085	.0819	.2229	-.1845	-.0784	.2830	.1988
135.000		.3592	.1523	-.6216	-.4209	-.0189							-.0306	.1687	.1426
180.000	1.2750	.4149	.1819	-.5937	-.2376	.0174	-.0502	-.1648	-.1113	.0814	.1567	-.3009	-.1024	.0390	-.0247
225.000		.4542	.2389	-.5011	-.3469	.0750	-.0031						-.2162	-.1751	-.1515
270.000		.4535	.2150		-.3034	-.2049	-.0957	-.0614			.2907	-.3127	-.2508	-.2280	-.2024
315.000		.4019	.1536	-.5463	-.3014	-.2140	-.0379						-.2144	-.0858	-.1091

X/LS .9580

PHI	
.000	.1449
45.000	.1375
90.000	.1116
135.000	.0679
180.000	-.1029
225.000	-.1656
270.000	-.2193
315.000	-.0931

MACH (3) = 1.100 BETAO (5) = 8.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4890	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2920	.3378	.1157	-.6185	-.3493	-.2498	-.0425	-.0092	-.0401	.0278	.2543	-.2108	-.1349	.3058	.2807
45.000		.2939	.0943	-.6373	-.4688	-.0308							-.0521	.2603	.2467
90.000		.2904	.0887	-.6399	-.4854	-.0175	-.0364	-.0828	-.0787	.0539	.2060	-.1878	-.0137	.3173	.2176
135.000		.3064	.1132	-.6399	-.4147	-.1319							-.0704	.1342	.0538
180.000	1.2920	.3879	.1969	-.5775	-.2217	-.1038	-.0984	-.2036	-.0713	.0551	.0984	-.2956	-.1552	-.0550	-.1209
225.000		.4667	.2497	-.4652	-.2365	.0249	-.0926						-.2365	-.1775	-.1650
270.000		.4761	.2491		-.5197	-.3370	-.1133	-.0907			.2778	-.3225	-.2559	-.2209	-.2001
315.000		.4156	.1606	-.5194	-.3718	-.2402	-.0614						-.2112	-.0333	-.0641

X/LS .9580

PHI	
.000	.2079
45.000	.1531
90.000	.1194
135.000	-.0225
180.000	-.1960

ARC11-718 IA14 C1+T12+S12*20+AT11 SRM BOOSTER (RB1518)

MACH (3) = 1.100 BETAO (5) = 8.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/B .9590

PHI

229.000 +.1360
270.000 +.2172
315.000 +.1442

MACH (4) = 1.252 BETAO (1) = -8.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/B .0000 .0340 .0990 .1150 .1440 .2010 .2870 .3730 .4590 .6310 .7190 .8330 .8900 .9170 .9390

PHI

000 1.3990 .4141 .2411 +.0179 -.0190 -.0766 -.1543 -.0106 -.0402 -.0131 .0203 -.1735 -.3507 -.0724 .0253
45.000 .4148 .1158 -.3902 -.0017 -.1420 -.2171 .1022 .1579
90.000 .3731 .3587 -.1007 .0771 -.1340 .0615 .0429 -.0717 .0715 .3810 -.0480 -.1054 .1811 .2736
135.000 .4667 .2417 -.0744 .2412 .1051 .2741 .0970 .3887
180.000 1.3990 .4103 .2316 -.4114 -.0271 .2150 .2358 .1018 .0226 .2419 .5057 -.2263 -.3254 .0035 .3745
225.000 .4737 .2418 .1771 .1111 -.1375 .0948 -.2795 -.1576 -.1405
270.000 .3334 .1525 .1111 -.1337 -.2725 -.2350 .3417 -.2930 -.2909 -.2691 -.2702
315.000 .4103 .2316 -.3981 .1477 .2315 -.1405 -.3012 -.0939 -.2056

X/B .9590

PHI

.000 -.0563
45.000 .1439
90.000 .2093
135.000 .3732
180.000 .3565
225.000 -.1336
270.000 -.2745
315.000 -.2360

MACH (4) = 1.244 BETAO (2) = -4.030

SECTION 1)SRM BOOSTER DEPENDENT VARIABLE CP

X/B .0000 .0340 .0990 .1150 .1440 .2010 .2870 .3730 .4590 .6310 .7190 .8330 .8900 .9110 .9390

PHI

.000 1.3900 .3478 .2374 +.4274 +.0056 -.2334 +.0664 +.0121 +.0423 +.0214 .2914 -.1694 -.2728 .0271 .0420
45.000 .3109 .2684 +.4176 +.0419 -.1674 -.2022 .1372 .1886
90.000 .3284 .2263 +.3694 +.0419 -.1491 .0101 .0566 +.0563 +.0674 .3323 -.0559 -.1854 .1721 .2749
135.000 .3410 .2378 +.4056 .0000 -.1419 -.2368 .1006 .3764
180.000 1.3900 .3477 .2374 +.4196 .0000 .2017 .1355 .0441 .0385 .1319 .4441 .2360 -.3102 .0338 .3514
225.000 .4810 .2435 +.3774 +.1005 +.3973 .1768 -.2562 -.1139 -.1298

ARC11-718 [A14 C1+718+12N25+AT11 SRM BOOSTER (RB1518)

MACH (-4) = 1.244 BETA (-2) = -4.030

SECTION (-1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2470	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.5027	.9842		-.4129	-.4372	-.31	-.0756			.3523	-.2601	-.2513	-.2515	-.2008
315.000		.4329	.2419	-.3499	-.3557	-.3469	-.1515						-.2345	-.1114	-.1888

X/LS .9590

PHI	
.000	.0108
45.000	.1718
90.000	.2715
135.000	.3531
180.000	.2770
225.000	-.1469
270.000	-.1795
315.000	-.1935

MACH (-4) = 1.249 BETA (-2) = .03

SECTION (-1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2470	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3550	.2102	.24	-.4266	-.3045	-.2360	-.0238	-.0144	-.0220	-.0210	.2488	-.1777	-.2207	.0579	.0914
45.000		.1653	.2525	-.4170	-.3114	-.1776							-.1838	.1491	.1909
90.000		.1930	.2627	-.4130	-.3016	-.1556	.0007	.0098	-.0944	-.0643	.2699	-.0637	-.1996	.1735	.2552
135.000		.1926	.2803	-.4143	-.3018	-.0662							-.2870	.1176	.3328
180.000	1.3550	.2512	.2949	-.4128	-.2993	-.0553	.0335	.0177	-.1050	.1204	.3078	-.2287	-.2864	.0909	.2494
225.000		.4421	.3058	-.3973	-.3350	-.3141	.0671						-.1988	-.0595	-.1058
270.000		.4896	.9644		-.3987	-.4342	-.3051	-.1097			.3172	-.2630	-.2461	-.2168	-.1901
315.000		.3982	.2400	-.5038	-.3493	-.3732	-.1316						.2118	-.0992	-.1511

X/LS .9580

PHI	
.000	.0728
45.000	.1560
90.000	.2407
135.000	.2932
180.000	.1791
225.000	-.1212
270.000	-.1845
315.000	-.1497

ARC11-716 TA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1318)

MACH (4) = 1.246 BETAO (4) = 4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3200	.2174	.2068	-.4344	-.3078	-.2255	-.0148	-.0298	-.0176	-.0311	.2378	-.1687	-.1626	.1582	.2073
45.000		.1113	.2112	-.4363	-.3394	-.1676							-.1750	.2528	.2293
90.000		.1088	.0105	-.4358	-.3333	-.1236	-.0027	-.0042	-.0908	-.0044	.2146	-.0871	-.2019	.1446	.2115
135.000		.1423	.2341	-.4344	-.3264	-.0697							-.2636	.1685	.2682
180.000	1.3200	.3151	.2722	-.4201	-.2404	-.0185	-.0505	-.0321	-.1461	.0355	.1731	-.2354	-.1071	.1010	.0755
225.000		.4230	.3226	-.3437	-.2999	-.1565	-.0077						-.1844	-.1171	-.1219
270.000		.4545	.9574		-.3960	-.4129	-.3169	-.1725			.2966	-.2818	-.2282	-.1849	-.1483
315.000		.3773	.2394	-.3819	-.3209	-.3444	-.0473						-.1971	-.0056	-.0298

X/LS .9580

PHI	
.000	.1853
45.000	.1903
90.000	.1898
135.000	.2019
180.000	.0111
225.000	-.1422
270.000	-.1462
315.000	.0226

MACH (4) = 1.249 BETAO (5) = 9.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2890	.2463	.1640	-.4393	-.2953	-.2351	-.0330	-.0276	.0085	-.0189	.2547	-.1856	-.1624	.2626	.3579
45.000		.0715	.1662	-.4473	-.3549	-.1501							-.1605	.2125	.2566
90.000		.0386	.1599	-.4444	-.3487	-.0605	-.0066	.0088	-.0880	.0229	.2099	-.1294	-.2348	.3130	.2587
135.000		.1503	.1832	-.4499	-.3476	-.1095							-.0840	.1603	.1007
180.000	1.2890	.3177	.2575	-.4203	-.2049	-.0818	-.1443	-.0711	-.0859	.0491	.1050	-.2544	-.1207	-.0039	-.0709
225.000		.4385	.3299	-.3294	-.2560	-.1440	-.0936						-.1950	-.1477	-.1260
270.000		.4471	.9405		-.3895	-.3591	-.2897	-.1569			.3082	-.2874	-.2290	-.1994	-.1667
315.000		.3650	.2518	-.3673	-.2979	-.2899	-.0725						-.1876	.0063	-.0184

X/LS .9580

PHI	
.000	.2985
45.000	.1918
90.000	.1887
135.000	.0395
180.000	-.1251

ARC11-716 TA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1S18)

MACH (4) = 1.248 BETAO (5) = 8.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1527
270.000	-.1659
315.000	.0190

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1824) (28 SEP 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAO = -10.000 ELEVON = .000
RUDDER = .000 SPOBRK = .000

MACH (1) = .902 BETAO (1) = -9.890

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	[illegible]	[illegible]	[illegible]	-1.1800	[illegible]	[illegible]	[illegible]	-.2567	[illegible]	[illegible]	[illegible]	-.3892	-.3479	-.2587	-.3597
45.000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							-.2911	-.1899	-.3353
90.000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
135.000		.5131	.0640	[illegible]	[illegible]	[illegible]							.0617	.5541	.2898
180.000	[illegible]	.6364	.1207	[illegible]	.1161	[illegible]	[illegible]	[illegible]	.0965	.1074	.0831	-.2155	[illegible]	.2716	.1422
225.000		.3741	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						-.3365	-.0770	-.2408
270.000		[illegible]	[illegible]		[illegible]	[illegible]	[illegible]				-.2029	.4218	-.4159	-.3600	-.3421
315.000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						-.4149	-.3727	-.3319

X/LS	.9580
PHI	
.000	-.4005
45.000	-.4227
90.000	-.0275
135.000	.1485
180.000	-.0059
225.000	-.3118
270.000	-.3090
315.000	-.3244

MACH (1) = .902 BETAO (2) = 10.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	.9845	-.0207	-.3025	-1.0610	-.5186	-.5764	-.1201	.0033	-.0137	-.0538	-.0175	-.2254	-.0278	.2778	.2617
45.000		-.0165	-.3152	-1.1560	-.5094	-.2949							-.0788	.1225	.0177
90.000		-.1242	-.4111	-1.2130	-.6411	-.3978	-.3445	-.2059	-.1237	-.1064	-.1012	-.2374	-.1253	-.0614	-.0930
135.000		.0805	-.3393	-1.1050	-.6815	-.4716							-.1986	-.1411	-.1754
180.000	.9845	.5993	.0450	-.3572	-.2415	-.4353	-.4294	-.2262	-.0565	-.0730	-.1592	-.3391	-.2638	-.2062	-.2328
225.000		.7189	.3300	.0961	.0328	-.1776	-.1872						-.2932	-.2795	-.2815
270.000		.1470	.3919		-.5433	-.7832	-.2583	-.0298			.0294	-.3702	-.3349	-.2989	-.2825
315.000		-.1408	-.3040	-.5094	-.5436	-.5755	-.1689						-.2589	-.1225	-.1421

X/LS	.9580

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1824)

MACH (1) = .899 BETAO (2) = 10.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
.000	.1559
45.000	-.0847
90.000	-.1450
135.000	-.2025
180.000	-.2499
225.000	-.2800
270.000	-.2815
315.000	-.1421

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1S25) (26 SEP 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .1300 SCALE

PARAMETRIC DATA

ALPHAO = -8.000 ELEVON = .000
RUDDER = .000 SPOBRK = .000

MACH (1) = .899 BETAO (1) = -9.930

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1240	.1724	-.3237	-1.1103	-.5146	-.5488	-.2496	-.1519	-.1342	-.1278	.0073	-.3212	-.3133	-.2296	-.3488
45.000		.2705	-.3110	-1.1467	-.5111	-.4311							-.2472	-.1447	-.2563
90.000		.2629	-.1205	-1.1[illegible]	-.[illegible]	-.2629	-.3505	-.0830	-.0741	-.0519	-.1119	-.2129	-.0744	.1813	.1142
135.000		.5071	.0690	-.[illegible]	.7193	-.[illegible]							.0731	.3633	.2893
180.000	1.1290	.5[illegible]	.0153	-.[illegible]	.5[illegible]	.0003	.0029	.0289	.0930	.1201	.2548	-.1986	-.0244	.2745	.1483
225.000		.4[illegible]	.1365	-.4792	.0053	.[illegible]	.0259						-.3214	-.0762	-.2312
270.000		.[illegible]	.5261		-.[illegible]	-.[illegible]	-.1229	-.[illegible]			.1140	-.4078	-.4[illegible]	-.3575	-.3302
315.000		.0464	-.4030	-.7[illegible]	-.[illegible]	-.[illegible]	-.[illegible]						-.4034	-.3542	-.3185

X/LS .9590

PHI	
.000	-.3959
45.000	-.3448
90.000	-.0030
135.000	.1432
180.000	.0031
225.000	-.3039
270.000	-.3093
315.000	-.3175

MACH (1) = .899 BETAO (2) = 10.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0530	.0270	-.2973	-1.0320	-.6341	-.5125	-.0657	.0057	-.0115	-.0346	.0166	-.2159	-.0055	.2878	.2650
45.000		.0341	-.2981	-1.1530	-.4846	-.2022							-.0436	.1858	.0933
90.000		-.0260	-.3417	-1.1900	-.5304	-.3009	-.2472	-.1581	-.0942	-.0739	-.0525	-.2188	-.0956	-.0228	-.0755
135.000		.1248	-.3113	-1.1280	-.6505	-.7898							-.1734	-.1245	-.1541
180.000	1.0530	.5421	.0171	-.5621	-.2755	-.4398	-.3586	-.2051	-.0507	-.0396	-.1343	-.3234	-.2455	-.1809	-.2229
225.000		.6828	.2722	-.0275	-.0607	-.2049	-.1571						-.2838	-.2585	-.2692
270.000		.2623	.4702		-.5606	-.8011	-.1705	-.0314			.0513	-.3678	-.3217	-.2779	-.2690
315.000		-.0078	-.4941	-.5955	-.5573	-.5844	-.1385						-.2433	-.1068	-.1213

X/LS .9580

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1325)

MACH (1) = .898 BETAO (2) = 10.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LB .9580

PHI	
.000	.1582
45.000	-.0148
90.000	-.1322
135.000	-.1857
180.000	-.2446
225.000	-.2735
270.000	-.2727
315.000	-.1307

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1528) (26 SEP 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5830 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAO = -5.000 ELEVON = .000
RUDDER = .000 SPDBRK = .000

MACH (1) = .897 BETAO (1) = -9.940

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1660	.1249	-.2704	-1.1280	-.4588	-.4992	-.2107	-.1048	-.0828	-.0650	.0574	-.2852	-.2032	-.1941	-.3362
45.000		.1444	-.2498	-1.1210	-.3008	-.3495							-.2189	-.0748	-.1813
90.000		.3252	-.0115	-1.0040	-.1650	-.1671	-.2337	-.1852	-.1379	-.1481	-.0348	-.1817	-.1272	.2224	.1403
135.000		.4827	.0513	-.9077	.0110	.0049							.0837	.3685	.2804
180.000	1.1660	.5121	.0484	-.0588	.0839	.0881	.0007	.0232	.0886	.1358	.2737	-.1934	-.0187	.2698	.1400
225.000		.3587	.0937	-.0725	-.0570	.0667	.0110						-.3036	-.0740	-.2393
270.000		.2771	.5915		-.1512	.7095	-.1071	.0552			.0019	-.3932	-.3715	-.3268	-.3138
315.000		.1329	-.4032	-.6543	-.2010	-.1643	-.0364						-.3762	-.3307	-.3133

X/LS .9580

PHI	
.000	-.3909
45.000	-.2723
90.000	.0274
135.000	.1369
180.000	.0035
225.000	-.2979
270.000	-.2997
315.000	-.3106

MACH (1) = .898 BETAO (2) = 10.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1090	.0883	-.2686	-1.1120	-.6561	-.4762	-.0256	.0001	-.0053	-.0196	.0459	-.8093	.0048	.2682	.2545
45.000		.0871	-.2706	-1.1300	-.4770	-.1444							-.0010	.2086	.1476
90.000		.0578	-.2863	-1.1620	-.4852	-.2075	-.1943	-.1422	-.0669	-.0466	-.0128	-.1999	-.0751	.0112	-.0475
135.000		.1610	-.2639	-1.1320	-.6031	-.4125							-.1543	-.0926	-.1197
180.000	1.1090	.4908	-.0016	-.9250	-.3063	-.4546	-.3280	-.1857	-.0441	-.0345	-.1034	-.2922	-.2273	-.1579	-.2100
225.000		.6396	.2168	-.1777	-.1312	-.2292	-.1785						-.2720	-.2464	-.2586
270.000		.3524	.5539		-.5505	-.6978	-.1372	-.0323			.1033	-.3657	-.3085	-.2650	-.2574
315.000		.1129	-.3730	-.8273	-.5578	-.5740	-.0888						-.2362	-.1023	-.1167

X/LS .9580

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1826)

MACH (1) = .898 BETAO (2) = 10.070

SECTION (11)SRM BOOSTER DEPENDENT VARIABLE CP

X/_S .9580

PHI	
.000	.1472
45.000	.0396
90.000	-.1202
135.000	-.1671
180.000	-.2432
225.000	-.2735
270.000	-.2631
315.000	-.1249

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1327) (28 SEP 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAO = -4.000 ELEVON = .000
RUDDER = .000 SPDBRK = .000

MACH (1) = .899 BETAO (1) = -9.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0640	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1850	.1779	-.2333	-1.1290	-.3555	-.4035	-.1616	-.0754	-.0452	-.0164	.1021	-.2623	-.2517	-.1550	-.3157
45.000		.2194	-.1940	-1.0865	-.2443	-.2534							-.1717	.0035	-.0968
90.000		.3711	-.0297	-.9327	-.0716	-.0017	-.1344	-.0989	-.0589	-.0514	.0387	-.1463	.0141	.2625	.1849
135.000		.4712	.0432	-.9402	.0528	.0284							.0950	.3744	.2826
180.000	1.1950	.4639	.0113	-.9293	.0619	.0794	.0063	.0163	.0946	.1617	.2938	-.1816	-.0115	.2506	.1411
225.000		.4297	.0348	-.8937	-.1273	.0603	.0160						-.2872	-.0732	-.2292
270.000		.3349	.6472		-.5033	-.2596	-.1171	-.0000			.0748	-.3776	-.3512	-.3198	-.3030
315.000		.2053	-.3110	-.8482	-.5011	-.4467	-.0119						-.3522	-.2926	-.3007

X/LS	.9580
PHI	
.000	-.3943
45.000	-.1843
90.000	.0520
135.000	.1556
180.000	.0016
225.000	-.2886
270.000	-.2910
315.000	-.3045

AFC11-716 TA14 T4+T12+S12N25+AT10 SRM BOOSTER (RB1526) (28 SEP 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 23.5900 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAO = .000 ELEVON = .000
RUDDR = .000 SPOBRK = .000

MACH (1) = 1.248 BETAO (1) = -10.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.4050	.4373	.247	-.3476	-.3615	-.3541	-.3099	.0125	-.3316	.0570	.2058	-.2250	-.4061	-.1690	-.0950
45.000		.4730	.2993	-.3944	-.2441	-.1355							-.2558	.0476	.1281
90.000		.5361	.3773	-.3.6	-.1.7	.845	.0824	.2311	.0875	+.2230	.3714	-.0665	-.1939	.1549	.3348
135.000		.5220	.3587	-.3794	-.2107	-.1072							-.2617	.1155	.4511
180.000	1.4051	.4951	.2495	-.4151	-.2751	-.1.1	.0127	-.0984	-.0459	-.0327	.5578	-.2741	-.3785	-.0087	.4783
225.000		.5078	.3711	-.3716	-.3870	.645	.3465						-.2418	-.0997	-.0089
270.000		.5469	.3754		-.4113	-.3445	-.2640	-.1.1.1			.2955	-.3751	-.3049	-.2191	-.1809
315.000		.4006	.2758	-.3535	-.3.8.1	-.1.1.1	-.1.1.1						-.3229	-.0979	-.1918

X/LS .9580

PHI	
.000	-.1041
45.000	.1173
90.000	.3235
135.000	.3951
180.000	.3474
225.000	-.0582
270.000	-.1933
315.000	-.2432

MACH (1) = 1.245 BETAO (2) = -7.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3980	.4097	.2411	-.4278	-.3080	-.2220	-.1657	-.0095	-.0487	-.0143	.2669	-.1926	-.3578	-.0882	-.0343
45.000		.4256	.2900	-.4007	-.2624	-.1532							-.2361	.0783	.1482
90.000		.4699	.3551	-.3744	-.2110	-.1112	.0536	.0281	-.0185	-.0485	.3590	-.0720	-.1990	.1732	.3059
135.000		.4627	.3546	-.3893	-.2431	-.1209							-.2619	.0914	.4208
180.000	1.3960	.4524	.2938	-.4182	-.2992	-.2106	.2413	.0874	-.0022	.2490	.5231	-.2583	-.3821	-.0234	.4308
225.000		.4916	.2969	-.3757	-.3833	-.3462	.2876						-.2735	-.1160	-.1185
270.000		.5338	.9999		-.4289	-.4653	-.2778	-.0744			.3348	-.3301	-.2960	-.2489	-.2094
315.000		.4632	.2404	-.3958	-.3588	-.3524	-.1369						-.2976	-.0832	-.1886

X/LS .9580

APC11-716 TA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1528)

MACH (1) = 1.245 BETAO (2) = -7.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
.000	-.0590
45.000	.1379
90.000	.3020
135.000	.3806
180.000	.3376
225.000	-.1103
270.000	-.2218
315.000	-.2336

MACH (1) = 1.245 BETAO (3) = -8.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0100	.0240	.0400	.0600	.0800	.1000	.1200	.1400	.1600	.1800	.2000	.2200	.2400	.2600	.2800	.3000	.3200	.3400	.3600	.3800	.4000	.4200	.4400	.4600	.4800	.5000	.5200	.5400	.5600	.5800	.6000	.6200	.6400	.6600	.6800	.7000	.7200	.7400	.7600	.7800	.8000	.8200	.8400	.8600	.8800	.9000	.9170	.9390
PHI																																																	
.000	1.3640	.3752	.2597	-.4233	-.3588	-.2990	-.1046	-.0788	-.0514	-.0224	.2524	-.2035	-.3461	-.0488	.0155																																	
45.000		.3642	.2516	-.4430	-.3771	-.1636							-.2329	.0862	.1558																																	
90.000		.3541	.2418	-.3998	-.3396	-.1311	-.0101	.0168	-.0411	-.0631	.3470	-.0761	-.1940	.1682	.2893																																	
135.000		.4771	.3611	-.5092	-.2613	-.1312							-.2692	.0993	.4080																																	
180.000	1.3661	.4470	.3310	-.4781	-.2301	-.1023	.1822	.0645	-.0243	.2059	.4942	-.2459	-.3767	.0124	.3944																																	
225.000		.4778	.3614	-.5	-.2310	-.1033	.2711						-.2574	-.0931	-.0716																																	
270.000		.4238	.3647		-.1939	-.0549	-.2076	-.0814					.3470	-.3229	-.2767	-.2310	-.1861																															
315.000		.4457	.3339	-.3996	-.1674	-.1511	-.1402								-.2654	-.0997	-.1757																															

X/LS .9580

PHI	
.000	-.0198
45.000	.1461
90.000	.2888
135.000	.3655
180.000	.3354
225.000	-.0984
270.000	-.1822
315.000	-.1980

AC(1)-718 TA14 OI+T12+S12N25+AT10 SRM BOOSTER (RB1528)

MACH (1) = 1.247 BETA (A) = -3.950

SECTION 1/SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4890	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.3780	.5365	.2348	-.4249	-.3199	-.2374	-.0624	-.0107	-.0451	-.0244	.2682	-.1945	-.2997	-.0046	.0422
45.000		.2899	.2719	-.4291	-.3014	-.1685							-.2201	.1105	.1722
90.000		.3161	.3124	-.3971	-.2681	-.1472	-.0213	.0306	-.0670	-.0768	.3329	-.0716	-.1953	.1640	.2801
135.000		.3334	.3132	-.4001	-.2743	-.1331							-.2763	.1042	.3809
180.000	1.3780	.5002	.2631	-.4126	-.2713	-.1126	.1228	.0429	-.0528	.1781	.4568	-.2353	-.3616	.0519	.3433
225.000		.4473	.2834	-.3874	-.2617	-.0977	.1535						-.2430	-.0862	-.1038
270.000		.5116	.6619		-.4191	-.4481	-.3175	-.0969			.3294	-.2925	-.2507	-.2240	-.1949
315.000		.4293	.0346	-.3944	-.3611	-.3563	-.1491						-.2443	-.0948	-.1827

X/LS	.9580
PHI	
.000	.0075
45.000	.1573
90.000	.2709
135.000	.3454
180.000	.3761
225.000	-.1206
270.000	-.1987
315.000	-.0024

MACH (1) = 1.246 BETA (A) = -2.049

SECTION 1/SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4890	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.3670	.5027	.2286	-.4308	-.3112	-.2451	-.0353	-.0107	-.0374	-.0239	.2676	-.1867	-.2655	.0387	.0642
45.000		.2150	.2544	-.4159	-.3050	-.1758							-.2144	.1321	.1914
90.000		.2479	.2858	-.4078	-.2943	-.1569	-.0221	.0330	-.0819	-.0788	.3075	-.0678	-.2045	.1622	.2727
135.000		.2623	.3004	-.4094	-.2996	-.1396							-.2849	.1002	.3549
180.000	1.3670	.3511	.2999	-.4146	-.2957	-.0936	.0917	.0245	-.0785	.1679	.4079	-.2294	-.3402	.0549	.3113
225.000		.4515	.3069	-.3639	-.3576	-.3516	.1136						-.2273	-.0887	-.0983
270.000		.5027	.9606		-.4133	-.4441	-.3144	-.0998			.3325	-.2818	-.2294	-.2046	-.1877
315.000		.4139	.2325	-.3953	-.3612	-.3718	-.1499						-.2154	-.1092	-.1825

X/LS	.9580
PHI	
.000	.0333
45.000	.1764
90.000	.2548
135.000	.3242
180.000	.2526

ARC:1-T16 1A14 C1+T12+S12N25+A710 SRM BOOSTER (RB1S28)

MACH (1) = 1.246 BETAO (5) = -2.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L= .9580

PHI	
225.000	-.1261
270.000	-.1924
315.000	-.1924

MACH (1) = 1.246 BETAO (5) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X	.0000	.0010	.0020	.0040	.0060	.0080	.0100	.0120	.0140	.0160	.0180	.0200	.0220	.0240	.0260
PHI															
0.000	.3411	.1681	.0918	-.4547	.3111	.2351	.1774	.0228	.0253	.0274	.3413	.2076	-.2368	.0390	.1946
45.000		.1681	.0918	-.4547	.3111	.2351							-.2071	.1429	.1942
90.000		.1681	.0918	-.4547	.3111	.2351	.1774	.125	-.0965	-.0513	.2760	-.0761	-.2109	.1907	.2788
135.000		.1681	.0918	-.4547	.3111	.2351							-.2343	.1331	.3443
180.000	.3411	.1681	.0918	-.4547	.3111	.2351	.1774	.0228	-.1139	.1414	.3136	-.2192	-.3119	.1118	.3121
225.000		.1681	.0918	-.4547	.3111	.2351	.1774	.0228					-.2318	-.0606	-.0553
270.000		.1681	.0918	-.4547	.3111	-.6[illegible]	-.2[illegible]	-.1139			.3113	-.2748	-.2411	-.1950	-.1429
315.000		.1681	.0918	.3041	.3111	-.3[illegible]	-.1[illegible]						-.2166	-.0939	-.1323

X/L= .9580

PHI	
.000	.0779
45.000	.1701
90.000	.2443
135.000	.2942
180.000	.2218
225.000	-.1269
270.000	-.1695
315.000	-.1917

APC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1529) (28 SEP 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 38.7090 INCHES YMPP = .0000 INCHES
DREF = 38.7090 INCHES ZMPP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETPIC DATA

ALPHAO = -10.000 ELEVON = .000
RUDDER = .000 SPDBRK = .000

MACH (1) = 1.245 BETAO (1) = .030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7190	.8350	.8900	.9170	.9390
PHI															
.000	1.2760	.0909	-.0092	-.5298	-.4012	-.3418	-.2775	-.1917	-.0921	-.0695	.0791	-.2649	-.3474	.0320	.0145
45.000		.0473	.0040	-.5288	-.4691	-.3092							-.2197	.0772	-.0151
90.000		.1309	.0772	-.5090	-.3957	-.3100	-.4816	-.5945	-.3788	-.2547	-.0376	-.2864	-.0748	-.0148	.0418
135.000		.4439	.2619	-.4207	-.0693	-.0849							-.0689	.0212	.3072
180.000	1.2760	.6909	.4394	-.2735	.1617	.1632	.0006	-.1392	-.0332	-.0519	.0011	-.3570	-.2147	.0460	.1517
225.000		.6615	.5477	-.1524	.0712	.2716	.0903						-.2869	-.1783	-.1807
270.000		.2800	.7335		-.5628	-.2907	-.3639	-.1130			.3013	-.3143	-.3045	-.2541	-.2491
315.000		.0567	-.3212	-.5575	-.5578	-.3943	-.1403						-.2795	-.1523	-.1135

X/LS	.0580
PHI	
.000	-.0752
45.000	-.0838
90.000	.0767
135.000	.2497
180.000	.0555
225.000	-.2171
270.000	-.2442
315.000	-.1174

ARC11-716 IA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1S30) (02 OCT 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5900 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAO = .000 ELEVON = .000
RUDDER = .000 SPOBRK = .000

MACH (1) = .972 BETAO (1) = .040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0960	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2410	.3944	-.0289	-.8751	-.5581	-.7339	-.0519	-.0573	.0291	.0638	.1641	-.2817	-.1436	.0125	-.0269
45.000		.3353	-.0181	-.0899	-.6304	-.1217							-.0339	.1185	.1067
90.000		.3472	.0011	-.8876	-.3020	-.7441	-.0884	.1152	.0490	.0719	.1868	-.2758	.0075	.1540	.1432
135.000		.3774	.0239	-.8515	-.5014	-.7411							-.0054	.1507	.1306
180.000	1.2410	.4071	.0451	-.8145	-.7091	-.1431	-.0777	-.2163	.0662	.1378	.2197	-.3912	-.1336	.0912	.0129
225.000		.4702	.0726	-.7717	-.4370	-.1403	-.0597						-.2753	-.2436	-.2207
270.000		.4027	.7533		-.8115	-.6105	-.1082	-.0547			.2336	-.3721	-.3101	-.2635	-.2488
315.000		.4419	-.0279	-.0147	-.5591	-.3377	-.0935						-.3000	-.2190	-.2370

X/LS	.9580
PHI	
.000	-.0837
45.000	.0161
90.000	.0486
135.000	.0285
180.000	-.0601
225.000	-.1932
270.000	-.2277
315.000	-.2336

MACH (2) = 1.002 BETAO (1) = .040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0960	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2490	.3742	.0171	-.8120	-.4796	-.3131	-.0868	-.0561	.0171	.0923	.2032	-.2756	-.1401	.0462	.0204
45.000		.3579	.0218	-.8074	-.5857	-.1098							-.0321	.1535	.1491
90.000		.3713	.0416	-.8032	-.5684	-.0288	-.0724	-.1261	.0272	.1103	.2263	-.2525	.0162	.2001	.1887
135.000		.4017	.0649	-.7974	-.5331	-.0178							.0178	.1955	.1744
180.000	1.2490	.4403	.0848	-.7845	-.3763	-.0015	-.0631	-.2219	.0286	.1527	.2420	-.3702	-.0999	.1000	.0227
225.000		.4822	.1100	-.7011	-.4184	-.0709	-.0493						-.2816	-.2268	-.2177
270.000		.5035	.7792		-.6035	-.6036	-.2146	-.1071			.3061	-.3771	-.3141	-.2825	-.2552
315.000		.4300	.0140	-.7521	-.5231	-.4900	-.1299						-.2925	-.1882	-.2342

X/LS	.9580

ARC11-716 IA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1330)

MACH (2) = 1.002 BETAO (1) = .040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
.000	-.0394
45.000	.0560
90.000	.0906
135.000	.0740
180.000	-.0510
225.000	-.2030
270.000	-.2424
315.000	-.2468

MACH (3) = 1.025 BETAO (1) = .040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2586	.3724	.0531	-.7987	-.4471	-.2847	-.0641	-.0509	-.0775	.0894	.2153	-.2668	-.1325	.0648	.0465
45.000		.3612	.0540	-.7626	-.5503	-.0944							-.0280	.1595	.1664
90.000		.3781	.0747	-.7492	-.5271	-.0047	-.0521	-.1066	-.1284	.1110	.2455	-.2271	.0248	.2266	.2207
135.000		.4075	.0973	-.7325	-.4990	.0079							.0374	.2395	.2107
180.000	1.2586	.4411	.1148	-.7414	-.7400	.0203	-.0356	-.1912	-.1156	.1452	.2571	-.3537	-.0766	.1147	.0485
225.000		.4910	.1397	-.6579	-.3796	-.0494	-.0216						-.2662	-.2089	-.2047
270.000		.5012	.7960		-.5513	-.5586	-.1881	-.0993			.3225	-.3654	-.3077	-.2803	-.2474
315.000		.4281	.0374	-.7116	-.4893	-.4551	-.1130						-.2829	-.1732	-.2283

X/LS .9580

PHI	
.000	-.0088
45.000	.0838
90.000	.1266
135.000	.1122
180.000	-.0265
225.000	-.1964
270.000	-.2550
315.000	-.2426

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1S31) (06 FEB 74)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .900 ELEVON = .000
RUDDER = .000 SPDBRK = .000

ALPHAO(1) = -10.140 BETAO (1) = -8.370

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0760	.0131	-.3359	.0000	-.5059	-.5929	-.2968	-.2382	-.1890	-.1765	-.0317	-.3869	-.3554	-.2653	-.3525
45.000		-.0162	-.3573	.0000	-.4770	-.4662							-.2544	-.1789	-.3156
90.000		.1735	-.1928	.0000	-.3626	-.3333	-.5283	-.4114	-.3362	-.3399	-.1592	-.2527	-.1184	.1180	.0666
135.000		.4820	.0385	-.8741	-.0765	-.0964							.0408	.3313	.2656
180.000	1.0760	.6291	.1231	-.5463	.0918	.0616	-.0602	.0057	.0771	.0944	.2090	-.2389	-.0553	.2852	.1369
225.000		.5187	.1887	-.3583	.0421	.0653	-.0302						-.3424	-.0802	-.2403
270.000		.1181	.4704		-.6608	-.7706	-.2436	-.0058			-.0904	-.4279	-.4273	-.3708	-.3387
315.000		-.0421	-.5843	-.6372	-.6606	-.6613	-.1150						-.4119	-.3816	-.3337

X/LS	.9580
PHI	
.000	-.3771
45.000	-.3922
90.000	-.0429
135.000	.1301
180.000	-.0028
225.000	-.3059
270.000	-.3187
315.000	-.3227

ALPHAO(1) = -10.130 BETAO (2) = -6.560

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0650	.0097	-.3332	.0000	-.5116	-.5691	-.2712	-.2085	-.1797	-.1694	-.0309	-.3787	-.3535	-.2561	-.3118
45.000		-.0284	-.3635	.0000	-.4514	-.4543							-.2292	-.1521	-.2883
90.000		.1345	-.2172	.0000	-.4112	-.3612	-.5637	-.3960	-.3365	-.3660	-.1504	-.2687	-.1277	.0778	.0441
135.000		.4440	.0096	-.9030	-.1345	-.1428							.0095	.2940	.2303
180.000	1.0650	.6279	.1094	-.5267	.0552	.0175	-.1032	-.0149	.0574	.0693	.1782	-.2499	-.0763	.2871	.1226
225.000		.5270	.1880	-.3088	.0183	.0303	-.0687						-.3289	-.1181	-.2315
270.000		.1120	.4576		-.6311	-.7879	-.2924	-.0250			.0343	-.4175	-.4115	-.3651	-.3421
315.000		-.0636	-.5938	-.6077	-.6240	-.6751	-.1450						-.3938	-.3621	-.3257

X/LS	.9580

APC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHA0(1) = -10.130 BETA0 (2) = -6.560

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
.000	-.3411
45.000	-.3535
90.000	-.0634
135.000	.0968
180.000	-.3106
225.000	-.2812
270.000	-.3131
315.000	-.3204

ALPHA0(1) = -10.130 BETA0 (3) = -4.840

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0960	.1150	.1440	.2150	.2970	.3730	.4890	.6730	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.0630	.0124	-.3273	.0000	-.4200	-.5331	-.2379	-.0321	-.1744	-.1809	-.0374	-.1732	-.3261	-.2504	-.2925
45.000		-.0211	-.3459	.0000	-.4647	-.4094							-.2047	-.1283	-.2560
90.000		.1007	-.2367	.0000	-.4428	-.3733	-.5977	-.3971	-.1385	-.3599	-.1515	-.2709	-.1275	.0553	.0194
135.000		.4113	-.0167	-.9137	-.1803	-.2612							-.0187	.2845	.2049
180.000	1.0630	.6219	.1120	-.5738	.0000	-.1251	-.1540	-.0355	.0439	.0483	.1542	-.2754	-.1082	.2966	.1259
225.000		.5498	.2039	-.0775	.2101	.0333	-.0960						-.3228	-.1586	-.2248
270.000		.1127	.4523		-.6022	-.3453	-.3031	-.0967			.1394	-.4009	-.3936	-.3491	-.3510
315.000		-.0720	-.5911	.3752	-.6035	-.3933	-.1670						-.3928	-.3554	-.3179

X/LS .9580

PHI	
.000	-.3212
45.000	-.3287
90.000	-.0786
135.000	.0785
180.000	-.0043
225.000	-.2613
270.000	-.2970
315.000	-.3192

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1831)

ALPHAO(1) = -10.080 BETAO (4) = -3.250

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4980	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0650	.0106	-.3336	.0000	-.4855	-.5294	-.2491	-.1953	-.2332	-.1881	-.0538	-.3727	-.3108	-.2378	-.2714
45.000		-.0214	-.3348	.0000	-.4933	-.4086							-.1903	-.1273	-.2227
90.000		.0784	-.2600	.0000	-.4826	-.3810	-.6193	-.3862	-.3326	-.3611	-.1186	-.2871	-.1362	.0303	-.0082
135.000		.3771	-.0474	-.9449	-.2332	-.2505							-.0558	.2641	.1684
180.000	1.0650	.6202	.1	-.7415	-.0123	-.0677	-.1983	-.0556	.0222	.0254	.1202	-.3018	-.1512	.2807	.1078
225.000		.5615	.2	-.2557	-.0031	-.0243	-.1350						-.3122	-.1741	-.2205
270.000		.1253	.44		-.6064	-.7075	-.7157	-.0314			.1951	-.4076	-.3930	-.3391	-.3218
315.000		-.0718	.5216	-.5849	-.6046	-.7613	-.1769						-.3777	-.3397	-.3093

X/LS	.9580
PHI	
.000	-.3048
45.000	-.2941
90.000	-.0950
135.000	.0462
180.000	-.0097
225.000	-.2603
270.000	-.3028
315.000	-.3213

ALPHAO(1) = -10.040 BETAO (5) = -1.500

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0620	.0078	-.3184	1.1250	-.5220	-.4309	-.2379	-.1626	-.2551	-.2465	-.1054	-.3712	-.2828	-.1972	-.2325
45.000		-.0189	-.3370	-1.1680	-.5099	-.3906							-.1751	-.1160	-.1886
90.000		.0511	-.2814	-1.1250	-.5242	-.4092	-.6496	-.3767	-.3191	-.3505	-.0972	-.2933	-.1348	.0104	-.0418
135.000		.3457	-.0915	-.0642	-.2393	-.3048							-.0939	.2563	.1279
180.000	1.0620	.6233	.001	-.7956	-.0445	-.1084	-.2329	-.0661	.0068	.0021	.0812	-.3095	-.1817	.2193	.0650
225.000		.5823	.2217	-.2171	-.0095	-.0467	-.1511						-.2848	-.1602	-.2333
270.000		.1260	.4458		-.6007	-.8043	-.3248	-.0177			.2207	-.3967	-.3832	-.3359	-.3232
315.000		-.0780	-.5903	-.5842	-.6078	-.6473	-.1930						-.3522	-.3186	-.3034

X/LS	.9580
PHI	
.000	-.2808
45.000	-.2612
90.000	-.1172
135.000	.0209
180.000	-.0432

AR511-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1531)

ALPHAO(1) = -10.040 BETAO (5) = -1.600

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2617
270.000	-.2938
315.000	-.3096

ALPHAO(1) = -10.040 BETAO (6) = .100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8350	.8900	.9170	.9390
PHI															
.000	1.0540	.0083	-.3297	-1.1290	-.4896	-.5312	-.2193	-.1169	-.1516	-.2211	-.1426	-.3651	-.2405	-.1132	-.1354
													-.1509	-.0877	-.1505
45.000		-.0198	-.3305	-1.1660	-.5037	-.3612									
							-.6402	-.3637	-.3078	-.3347	-.0677	-.2905	-.1371	-.0096	-.0612
90.000		.0252	-.3005	-1.1440	-.5702	-.4088									
													-.1329	.2124	.1011
135.000		.3079	-.1096	-.9899	-.3491	-.3342									
180.000	1.0540	.6216	.0969	-.7545	-.0776	-.1701	-.2635	-.0935	-.0111	-.0213	.0714	-.3124	-.2059	.0852	.0018
													-.2725	-.1959	-.2272
225.000		.6032	.2327	-.1637	-.0185	-.0075	-.1569								
270.000		.1317	.4393		-.5392	-.8209	-.3137	-.0110			.2253	-.3736	-.3589	-.3141	-.3036
315.000		-.0919	-.5946	-.5735	-.5954	-.6317	-.1859						-.3457	-.3046	-.2905

X/LS .9580

PHI	
.000	-.2199
45.000	-.2280
90.000	-.1320
135.000	.0016
180.000	-.0935
225.000	-.2496
270.000	-.2805
315.000	-.2832

ALPHAO(1) = -10.040 BETAO (7) = 1.810

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8350	.8900	.9170	.9380
PHI															
.000	1.0510	.0071	-.3256	-1.1210	-.5218	-.5423	-.1940	-.0871	-.0537	-.1229	-.1076	-.3491	-.1931	.0180	-.0625
													-.1517	-.0882	-.1285
45.000		-.0145	-.3246	-1.1610	-.5145	-.3309									
							-.6063	-.3432	-.2822	-.3041	-.0366	-.3104	-.1435	-.0332	-.0781
90.000		.0014	-.3166	-1.1530	-.6059	-.4035									
													-.1878	.1653	.0827
135.000		.2708	-.1601	-1.0160	-.4072	-.5049									
180.000	1.0510	.6160	.0845	-.7694	-.1137	-.2112	-.2948	-.1100	-.0330	-.0382	-.0210	-.3386	-.2341	-.1032	-.0833
225.000		.6228	.2473	-.1252	-.0260	-.0953	-.1711						-.2794	-.2488	-.2187

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(1) = -10.040 BETAO (7) = 1.810

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.1470	.4338		-.6018	-.8190	-.3175	-.0087			.2102	-.3887	-.3399	-.3012	-.2663
315.000		-.0923	-.5872	-.5824	-.5983	-.6369	-.1027						-.3533	-.2882	-.2710

X/LS	.9580
PHI	
.000	-.1590
45.000	-.2084
90.000	-.1460
135.000	-.0183
180.000	-.1558
225.000	-.2257
270.000	-.2597
315.000	-.2124

ALPHAO(1) = -10.130 BETAO (8) = 3.590

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0420	.0055	-.2979	-1.1130	-.4716	-.5460	-.1846	-.0552	-.0255	-.0705	-.0620	-.3248	-.1410	.0921	.0609
45.000		-.0159	-.3160	-1.1560	-.5128	-.2985							-.1256	-.0415	-.1048
90.000		-.0248	-.3356	-1.1630	-.5122	-.3876	-.5415	-.2919	-.2277	-.2325	-.0151	-.3094	-.1277	-.0345	-.0873
135.000		.0332	.1933	-1.0370	-.4672	-.5952							-.1659	.1085	-.0168
180.000	1.0420	.6153	.0799	-.6222	-.1443	-.2594	-.3252	-.1264	-.0432	-.0455	-.0699	-.3263	-.2318	.0028	-.1113
225.000		.6478	.2669	-.0515	-.0121	-.1120	-.1686						-.2756	-.2054	-.2209
270.000		.1565	.4295		-.5719	-.8057	-.3057	-.0029			.1838	-.4017	-.3313	-.2799	-.2393
315.000		-.0969	-.5367	-.5596	-.5699	-.6106	-.2069						-.3033	-.1954	-.1622

X/LS	.9580
PHI	
.000	-.0178
45.000	-.1858
90.000	-.1559
135.000	-.1074
180.000	-.1802
225.000	-.2335
270.000	-.2448
315.000	-.1994

APC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1331

ALPHA0(1) = -10.130 BETA0 (9) = 5.250

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0300	.0010	-.2855	-1.1120	-.4872	-.5531	-.1760	-.0310	-.0265	-.0647	-.0491	-.2862	-.1023	.1569	.1521
45.000		-.0172	-.3134	-1.1590	-.5260	-.2946							-.1208	-.0265	-.1018
90.000		-.0497	-.3526	-1.1780	-.6402	-.3593	-.4230	-.2385	-.1716	-.1671	-.0154	-.2887	-.1294	-.0555	-.0972
135.000		.1961	-.2202	-1.0590	-.5252	-.6616							-.1736	.0006	-.1058
180.000	1.0300	.6081	.0696	-.5272	-.1713	-.3171	-.3390	-.1586	-.0657	-.0472	-.1045	-.3236	-.2450	-.0527	-.1666
225.000		.6652	.2795	-.1049	-.0041	-.1380	-.1625						-.2969	-.2194	-.2656
270.000		.1578	.4233		-.5767	-.7971	-.3046	-.0146			.1490	-.4240	-.3274	-.2651	-.2485
315.000		-.1022	-.4691	-.5488	-.5654	-.5953	-.2207						-.2892	-.1314	-.1215

X/LS .9580

PHI	
.000	.0747
45.000	-.1770
90.000	-.1664
135.000	-.1800
180.000	-.2107
225.000	-.2767
270.000	-.2534
315.000	-.1265

ALPHA0(1) = -10.120 BETA0 (10) = 7.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0180	-.0046	-.2945	-1.0860	-.5031	-.5578	-.1552	-.0138	-.0176	-.0610	-.0398	-.2677	-.0730	.2175	.2163
45.000		-.0193	-.3116	-1.1580	-.5268	-.2939							-.1220	.0086	-.0916
90.000		-.0759	-.3720	-1.1990	-.6896	-.3922	-.5568	-.2094	-.1435	-.1372	-.0490	-.2692	-.1410	-.0878	-.1119
135.000		.1556	-.2555	-1.0620	-.5865	-.7334							-.1780	-.0805	-.1398
180.000	1.0180	.6061	.0625	-.4529	-.1972	-.3613	-.3168	-.1882	-.0717	-.0515	-.1335	-.3421	-.2542	-.1084	-.1928
225.000		.6852	.2991	.0323	.0099	-.1564	-.1614						-.3107	-.2418	-.2815
270.000		.1533	.4170		-.5548	-.7631	-.3096	-.0198			.1135	-.4351	-.3277	-.2772	-.2536
315.000		-.1139	-.3416	-.5235	-.5464	-.5702	-.2154						-.2687	-.1039	-.1062

X/LS .9580

PHI	
.000	.1285
45.000	-.1634
90.000	-.1662
135.000	-.1916
180.000	-.2292

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(1) = -10.120 BETAO (10) = 7.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2922
270.000	-.2564
315.000	-.1067

ALPHAO(1) = -10.130 BETAO (11) = 8.780

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4080	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0060	-.0098	-.2949	-1.0690	-.5054	-.5645	-.1299	-.0002	-.0091	-.0564	-.0241	-.2369	-.0462	.2478	.2438
45.000		-.0142	-.3089	-1.1520	-.5172	-.3935							-.1023	.0817	-.0266
90.000		-.0975	-.3766	-1.1040	-.3662	-.3947	-.1920	-.1990	-.1245	-.1103	-.0772	-.2503	-.1393	-.0854	-.1073
135.000		.1131	-.3764	-1.0750	-.3734	-.4033							-.1816	-.1287	-.1480
180.000	1.0060	.0758	.0544	-.3.02	-.2106	-.3970	-.3217	-.2119	-.0609	-.0665	-.1468	-.3363	-.2628	-.1842	-.2227
225.000		.7265	.3512	.0773	.1066	-.1544	-.1903						-.2844	-.2599	-.2756
270.000		.4567	.4093		- 5547	-.7709	-.2836	-.0209			.0629	-.3709	-.3231	-.2931	-.2848
315.000		- 1247	- 2973	-.5167	-.5460	-.5755	- 1879						-.2615	-.1197	-.1257

X/LS .9580

PHI	
.000	.1471
45.000	-.1165
90.000	-.1472
135.000	-.1854
180.000	-.2399
225.000	-.2771
270.000	-.2764
315.000	-.1247

ALPHAO(2) = -8.110 BETAO (1) = -8.350

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4080	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1290	.0725	-.3065	-1.0920	-.5146	-.5273	-.2578	-.1357	-.1201	-.1131	.0181	-.3401	-.3084	-.2188	-.3105
45.000		.0661	-.2980	-1.1380	-.3978	-.4063							-.2238	-.1280	-.2362
90.000		.2440	-.1320	-1.0340	-.2772	-.2639	-.3729	-.2916	-.2250	-.2456	-.0970	-.2228	-.0777	.1534	.0993
135.000		.4790	.0418	-.9033	-.0493	-.0614							.0558	.3502	.2628
180.000	1.1290	.5766	.0829	-.7915	.0748	.0577	-.0427	.0073	.0747	.1059	.2371	-.2161	-.0323	.2845	.1413
225.000		.4929	.1464	-.5198	- 0067	.0527	-.0202						-.3125	-.0807	-.2273

AP311-716 IA14 C1+712+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHA(2) = -8.110 BETA(1) = -8.350

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.2077	.5297		-.3662	-.7806	-.1491	.0112			.0346	-.4029	-.3855	-.3487	-.3300
315.000		.0507	-.4000	-.7991	-.5707	-.3858	-.0584						-.3818	-.3474	-.3145

X/LS	.9580
PHI	
.000	-.3507
45.000	-.3153
90.000	-.0123
135.000	.1272
180.000	.0055
225.000	-.2921
270.000	-.3026
315.000	-.3043

ALPHA(2) = -8.120 BETA(2) = -5.640

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1280	.0685	-.3042	-1.0940	-.5150	-.8212	-.2486	-.1250	-.1253	-.1088	.0177	-.3346	-.2873	-.2005	-.2788
45.000		.0604	-.2964	-1.1460	-.6090	-.3069							-.1977	-.1093	-.2281
90.000		.2128	-.1575	-1.0640	-.3105	-.2027	-.3698	-.2786	-.2283	-.2534	-.0953	-.2406	-.0866	.1210	.0736
135.000		.4481	.0200	-.9216	-.0873	-.1114							.0359	.3063	.2374
180.000	1.1280	.5719	.0780	-.8753	.0447	.0177	-.0870	-.0120	.0582	.0810	.2068	-.2361	-.0545	.2999	.1364
225.000		.5073	.1475	-.5839	-.0328	.0104	-.0526						-.3092	-.1161	-.2256
270.000		.2110	.5284		-.6699	-.7943	-.1641	.0120			.1450	-.3945	-.3797	-.3409	-.3174
315.000		.0398	-.5030	-.8000	-.6661	-.5941	-.0653						-.3683	-.3412	-.3066

X/LS	.9580
PHI	
.000	-.3184
45.000	-.2948
90.000	-.0328
135.000	.1044
180.000	.0007
225.000	-.2728
270.000	-.2981
315.000	-.3109

ARC11-716 TA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHA0(2) = -8.120 BETA0 (3) = -4.940

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1250	.0715	-.2965	-1.0540	-.5171	-.5234	-.2402	-.1197	-.1222	-.1062	.0140	-.3211	-.2723	-.1910	-.2471
45.000		.0584	-.2908	-1.1440	-.4216	-.3842							-.1771	-.1014	-.2070
90.000		.1964	-.1820	-1.0780	-.3619	-.3009	-.3744	-.2848	-.2327	-.2596	-.0905	-.2462	-.0930	.0937	.0540
135.000		.4199	-.0050	-.9333	-.1379	-.1524							.0038	.3010	.2128
180.000	1.1250	.5783	.0745	-.8791	.0103	-.0192	-.1279	-.0308	.0412	.0618	.1819	-.2552	-.0883	.3136	.1398
225.000		.5245	.1584	-.6293	-.0534	-.0068	-.0941						-.3019	-.1569	-.2163
270.000		.2122	.5265		-.6555	-.7992	-.1916	.0135			.2190	-.3892	-.3551	-.3304	-.3151
315.000		.0334	-.1034	-.7956	-.6538	-.6119	-.0939						-.3636	-.3259	-.2998

X/LS	.9580
PHI	
.000	-.2946
45.000	-.2765
90.000	-.0541
135.000	.0822
180.000	.0079
225.000	-.2593
270.000	-.2946
315.000	-.3081

ALPHA0(2) = -8.130 BETA0 (4) = -5.270

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1210	.0735	-.2915	-1.0250	-.5206	-.5119	-.2103	-.1091	-.1352	-.1131	.0025	-.3096	-.2407	-.1570	-.2165
45.000		.0601	-.2845	-1.1420	-.4441	-.3814							-.1516	-.0892	-.1770
90.000		.1629	-.1969	-1.0900	-.4016	-.3062	-.3669	-.2771	-.2273	-.2512	-.0760	-.2569	-.0952	.0776	.0314
135.000		.3893	-.0299	-.9493	-.1942	-.1619							-.0280	.2962	.1919
180.000	1.1210	.5729	.0759	-.8769	-.0201	-.0599	-.1065	-.0461	.0289	.0447	.1469	-.2758	-.1233	.2635	.1308
225.000		.5407	.1667	-.6262	-.0613	-.0307	-.1045						-.2780	-.1675	-.2153
270.000		.2234	.5218		-.6576	-.7996	-.2045	.0168			.2511	-.3706	-.3582	-.3298	-.3030
315.000		.0329	-.1020	-.7663	-.6325	-.6283	-.1109						-.3502	-.3151	-.2900

X/LS	.9580
PHI	
.000	-.2705
45.000	-.2454
90.000	-.0662
135.000	.0640
180.000	.0124

AFC11-1-18 TA14A 25+T12+L12*25+AT10 SRM BOOSTER (RB1831)

ALPHAC(2) = -8.130 BETAC(4) = -1.270

SECTION (1) SRM BOOSTER DEPENDENT VARIABLE CP

X/L5 .9590

PHI
225.000 -.2474
270.000 -.2757
315.000 -.2885

ALPHAC(2) = -8.130 BETAC(5) = -1.630

SECTION (1) SRM BOOSTER DEPENDENT VARIABLE CP

X/L5	.0000	.0340	.0940	.1140	.1440	.2010	.2870	.3730	.4590	.6030	.7140	.8330	.8900	.9170	.9390
PHI															
.000	1.1180	.0672	-.2956	-.9491	-.4794	-.4[illegible]	-.1942		-.1343	-.1702	-.0475	-.7214	-.2067	-.1101	-.1767
45.000		.0533	-.2748	-1.1547	-.5[illegible]	-.[illegible]							-.1303	-.0717	-.1499
90.000		.1[illegible]	-.2[illegible]	-1.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	-.0494	-.0702	.2613	-.1006	.0602	.0055
135.000		.3[illegible]	-.1[illegible]	-1.[illegible]	-.[illegible]	-.[illegible]							-.0[illegible]	.[illegible]	.1526
180.000	1.1114	.[illegible]	.[illegible]	-.[illegible]	-.[illegible]		-.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	.[illegible]	.[illegible]
225.000		.[illegible]	.[illegible]	-.[illegible]	-.[illegible]		-.[illegible]						-.0742	-.1634	-.2028
270.000		.[illegible]	.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]		-.2[illegible]	-.[illegible]	-.[illegible]	-.3174	-.3016
315.000		.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]						-.[illegible]	-.2920	-.2770

X/L5 .9590

PHI
.000 -.2539
45.000 -.2274
90.000 -.0672
135.000 .0349
180.000 -.0172
225.000 -.2384
270.000 -.2630
315.000 -.2720

ALPHAC(2) = -8.130 BETAC(6) = .010

SECTION (1) SRM BOOSTER DEPENDENT VARIABLE CP

X/L5	.0000	.0340	.0940	.1140	.1440	.2010	.2870	.3730	.4590	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1130	.0595	-.2983	-.9539	-.5613	-.4674	-.1655	-.0826	-.0778	-.1354	-.0848	-.3163	-.1869	-.0557	-.1428
45.000		.0522	-.2847	-1.1547	-.4646	-.[illegible]							-.1315	-.0751	-.1290
90.000		.1[illegible]	-.2[illegible]	-1.[illegible]	-.[illegible]	-.[illegible]	-.3693	-.2611	-.2192	-.2541	-.0548	-.2778	-.1097	.0231	-.0256
135.000		.3214	-.1042	-1.[illegible]	-.[illegible]	-.2916							-.0968	.2211	.1174
180.000	1.1130	.5664	.0631	-.[illegible]	-.[illegible]	-.1428	-.2492	-.[illegible]	-.0049	-.0079	.0562	-.3143	-.1[illegible]	.0891	.0276
225.000		.[illegible]	.1[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]						-.2578	-.1754	-.2068

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1531)

ALPHAC(2) = -8.150 BETAC (6) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L S	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.2326	.5123		-.6065	-.7874	-.2537	.0020			.2312	-.3618	-.3345	-.3015	-.2848
315.000		.0162	-.1145	-.7297	-.6093	-.6317	-.1420						-.3226	-.2616	-.2647

X/L S	.9540
PHI	
000	-.2317
45.000	-.2101
90.000	-.1084
135.000	.0147
180.000	-.0434
225.000	-.2377
270.000	-.2753
315.000	-.2447

ALPHAC (2) = -8.120 BETAC (6) = 1.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L S	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
000	1.1152	.6	-.2967	-.2187	-.5761	-.523	-.1741	-.2545	-.0301	-.0533	-.1210	-.3096	-.1651	.0234	-.0619
45.000		.5	-.1.7	-1.1695	-.6442	-.016							-.1188	-.0585	-.1088
90.000		.2	-.1.1	-1.1.1	-.1.1	.1.1	.3301	.7675	-.0837	.1396	-.2315	-.2223	-.2857	-.1140	.0125	-.0431
135.000		.1	-.1.0	-1.0.1	-1.0.1	-.3635	-.1.1							-.1352	.2020	.0977
180.000	1.1152	.5.1	.5.7	-.2842	-.2.16	.7.1	-.2746	-.0956	-.0010	-.0157	.0209	-.2731	-.2326	-.0425	-.0729
225.000		.5.2	.5.6	-.0.1	-.1.1.6	-.1.1.0	-.1.1.2						-.2553	-.2198	-.1902
270.000		.0.9.9	.5.1.5		-.1.1.1	-.1.1.0	-.2651	-.0010			.2159	-.3497	-.3175	-.2992	-.2729
315.000		.1.2.8	-.5.3.8	-.3.2.7	-.1.1.7	-.5.1.3	-.1.1.2						-.3305	-.2451	-.2491

X/L S	.9580
PHI	
000	-.1747
45.000	-.1812
90.000	-.1153
135.000	.0039
180.000	-.1198
225.000	-.1925
270.000	-.2642
315.000	-.2296

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RS1331)

ALPHAO(2) = -9.110 BETAO (8) = 5.340

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0980	.0580	-.2911	-.9270	-.5979	-.4627	-.1204	-.0317	-.0195	-.0451	-.0009	-.2957	-.1293	.1076	.0575
45.000		.0476	-.2303	-1.1520	-.4467	-.2797							-.1055	-.0289	-.0800
90.000		.0672	-.2740	-1.1550	-.4091	-.3486	-.3471	-.2185	-.1707	-.1923	.0048	-.2952	-.1112	-.0411	-.0550
135.000		.2576	-.1677	-1.0720	-.4295	-.3935							-.1396	.1329	.0416
180.000	1.0980	.5596	.0479	-.8998	-.1710	-.2193	-.3002	-.1243	-.0334	-.0344	-.0324	-.3379	-.2386	-.0677	-.1189
225.000		.6151	.2093	-.2185	-.0909	-.1274	-.1601						-.2518	-.2280	-.2292
270.000		.2527	.5041		-.5786	-.7604	-.2349	-.0116			.1927	-.3708	-.3334	-.2909	-.2599
315.000		.0190	-.5031	-.6986	-.5952	-.6088	-.1434						-.2960	-.1826	-.2020

X/LS	.9580
PHI	
.000	-.0332
45.000	-.1521
90.000	-.1166
135.000	-.0416
180.000	-.1719
225.000	-.2461
270.000	-.2596
315.000	-.1987

ALPHAO(2) = -9.090 BETAO (9) = 4.950

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0930	.0612	-.2842	-.9366	-.6276	-.4789	-.0929	-.0192	-.0195	-.0430	.0045	-.2570	-.1013	.1647	.1572
45.000		.0566	-.2760	-1.1380	-.4627	-.2501							-.0882	.0201	-.0578
90.000		.0524	-.2772	-1.1470	-.5132	-.3372	-.2999	-.1800	-.1259	-.1303	.0188	-.2749	-.1001	-.0219	-.0513
135.000		.2283	-.1913	-1.0750	-.4742	-.3563							-.1311	.0589	-.0401
180.000	1.0930	.5515	.0437	-.8929	-.1979	-.3096	-.3145	-.1413	-.0509	-.0348	-.0700	-.3208	-.2346	-.0960	-.1582
225.000		.6287	.2276	-.1875	-.0894	-.1524	-.1646						-.2575	-.2264	-.2378
270.000		.2636	.5031		-.5863	-.7602	-.2346	-.0128			.1666	-.3858	-.3282	-.2706	-.2431
315.000		.0255	-.4915	-.7048	-.5818	-.5977	-.1361						-.2761	-.1489	-.1589

X/LS	.9580
PHI	
.000	.0802
45.000	-.1310
90.000	-.1247
135.000	-.1170
180.000	-.1961

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (R81331)

ALPHAO(2) = -8.090 BETAO (9) = 4.950

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2501
270.000	-.2461
315.000	-.1549

ALPHAO(2) = -8.090 BETAO (10) = 5.750

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0810	.3538	-.2897	-.9501	-.6275	-.4930	-.0774	-.0093	-.0075	-.0387	.0045	-.2368	-.0552	.2213	.2188
45.000		.0513	-.2807	-1.1420	-.4646	-.2300							-.0857	.0790	-.0378
90.000		.0261	-.3730	-1.1605	-.5157	-.3145	-.2522	-.1561	-.1034	-.1007	-.0093	-.2432	-.1115	-.0499	-.0658
135.000		.1064	-.2026	-1.1330	-.5343	-.4299							-.1446	-.0574	-.1023
180.000	1.0810	.4513	.0355	-.8921	-.3310	-.2547	-.3346	-.1714	-.0614	-.0338	-.1044	-.3091	-.2440	-.1342	-.1770
225.000		.6446	.2284	-.7160	-.0750	-.1958	-.1639						-.2574	-.2439	-.2444
270.000		.2651	.4062		-.3555	-.1766	-.1008	-.0172			.1314	-.3569	-.3063	-.2646	-.2509
315.000		.0170	-.4459	-.6413	-.3760	-.2983	-.1328						-.2484	-.1083	-.1312

X/LS .9580

PHI	
.000	.1209
45.000	-.1229
90.000	-.1267
135.000	-.1577
180.000	-.2151
225.000	-.2509
270.000	-.2561
315.000	-.1254

ALPHAO(2) = -8.090 BETAO (11) = 8.570

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0720	.0422	-.2928	-.9882	-.6492	-.5180	-.0742	-.0016	-.0115	-.0401	.0088	-.2313	-.0316	.2540	.2456
45.000		.0439	-.2890	-1.1460	-.4841	-.2180							-.0707	.1359	.0459
90.000		.0012	-.3234	-1.1770	-.5213	-.3092	-.2439	-.1575	-.1012	-.0924	-.0368	-.2358	-.1066	-.0575	-.0840
135.000		.1551	-.2656	-1.1170	-.5362	-.7234							-.1615	-.1134	-.1299
180.000	1.0720	.5448	.0238	-.7422	-.2577	-.4026	-.3585	-.1997	-.0605	-.0525	-.1213	-.3165	-.2487	-.1703	-.2141
225.000		.6651	.2557	-.0652	-.0789	-.1927	-.1605						-.2801	-.2575	-.2640

APC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(2) = -8.090 BETAO (11) = 9.570

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.2634	.4827		-.5853	-.7990	-.1929	-.0254			.0835	-.3661	-.3188	-.2791	-.2643
315.000		.0052	-.4944	-.6324	-.5729	-.5933	-.1316						-.2505	-.1171	-.1246

X/LS	.9580
PHI	
.000	.1402
45.000	-.0531
90.000	-.1392
135.000	-.1803
180.000	-.2402
225.000	-.2678
270.000	-.2786
315.000	-.1387

ALPHAO(3) = -6.100 BETAO (1) = -9.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1690	.1282	-.2865	-1.1270	-.4264	-.4771	-.2005	-.0913	-.0714	-.0535	.0664	-.2963	-.2596	-.1708	-.2806
45.000		.1482	-.2377	-1.1110	-.3219	-.3226							-.1885	-.0649	-.1615
90.000		.3228	-.0784	-1.0230	-.1827	-.1757	-.2391	-.1841	-.1321	-.1431	-.0266	-.1929	-.0323	.1944	.1276
135.000		.4613	.0358	-.9158	-.0090	-.0306							.0681	.3238	.2565
180.000	1.1690	.5162	.0452	-.9007	.0651	.0528	-.0433	-.0019	.0751	.1204	.2562	-.2071	-.0286	.2829	.1437
225.000		.4700	.1002	-.8471	-.0722	.0355	-.0214						-.2976	-.0774	-.2185
270.000		.2927	.5934		-.6345	-.7655	-.1565	.0092			.1322	-.3804	-.3583	-.3181	-.3039
315.000		.1339	-.3923	-.8376	-.6220	-.5880	-.0423						-.3513	-.3054	-.3016

X/LS	.9580
PHI	
.000	-.3444
45.000	-.2451
90.000	.0120
135.000	.1137
180.000	.0073
225.000	-.2751
270.000	-.2899
315.000	-.2899

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(3) = -6.110 BETAO (2) = -6.480

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1660	.1275	-.2607	-1.1130	-.4330	-.4670	-.1943	-.0885	-.0661	-.0542	.0629	-.2980	-.2469	-.1681	-.2555
45.000		.1445	-.2354	-1.1120	-.3511	-.3065							-.1649	-.0609	-.1480
90.000		.2761	-.1031	-1.0430	-.2331	-.1906	-.2548	-.1861	-.1391	-.1469	-.0209	-.2081	-.0437	.1645	.1116
135.000		.4378	.0164	-.9288	-.0400	-.0696							.0480	.3076	.2388
180.000	1.1680	.5170	.0471	-.9020	.0413	.0177	-.0776	-.0200	.0585	.1028	.2354	-.2203	-.0437	.2970	.1388
225.000		.4804	.1064	-.8484	-.0984	.0103	-.0507						-.2901	-.0943	-.2105
270.000		.3992	.5032		-.0228	-.7610	-.1634	.0100			.2112	-.3693	-.3541	-.3138	-.2965
315.000		.1317	-.3909	-.8387	-.6203	-.6142	-.0509						-.3487	-.3066	-.2928

X/LS	.9580
PHI	
.000	-.3106
45.000	-.2265
90.000	-.0016
135.000	.0985
180.000	.0034
225.000	-.2570
270.000	-.2960
315.000	-.2935

ALPHAO(3) = -6.130 BETAO (3) = -6.820

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1670	.1262	-.2538	-1.1120	-.4470	-.4468	-.1750	-.0865	-.0653	-.0588	.0546	-.2799	-.2375	-.1531	-.2172
45.000		.1349	-.2395	1.1220	-.3777	-.2981							-.1469	-.0558	-.1399
90.000		.2477	-.1383	-1.0970	-.2672	-.2087	-.2696	-.1898	-.1404	-.1501	-.0240	-.2201	-.0518	.1347	.0838
135.000		.4113	-.0053	-.9504	-.0913	-.1074							.0239	.2963	.2142
180.000	1.1670	.5180	.0429	-.9080	.0126	-.0175	-.1149	-.0334	.0447	.0815	.2093	-.2420	-.0680	.3163	.1395
225.000		.4944	.1128	-.8356	-.1122	-.0195	-.0850						-.2816	-.1384	-.2024
270.000		.2911	.5978		-.6109	-.7593	-.1855	.0065			.2467	-.3683	-.3449	-.3115	-.2954
315.000		.1250	-.4003	-.8439	-.6129	-.6198	-.0728						-.3408	-.2962	-.2844

X/LS	.9580
PHI	
000	-.2819
45.000	-.2131
90.000	-.0242
135.000	.0799
180.000	.0145

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1831)

ALPHAO(3) = -6.130 BETAO (3) = -4.820

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2505
270.000	-.2763
315.000	-.2969

ALPHAO(3) = -6.140 BETAO (4) = -3.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1670	.1292	-.2539	-1.1310	-.4491	-.4706	-.1520	-.0720	-.0606	-.0616	.0467	-.2595	-.2032	-.1229	-.1929
45.000		.1329	-.2779	-1.1220	-.3991	-.2772							-.1233	-.0451	-.1193
90.000		.2257	-.1848	-1.0730	-.3094	-.1455	-.0701	-.0151	-.0752	-.1529	-.0152	-.2044	.0556	.1030	.0674
135.000		.3466	.0242	-.9757	-.1241	-.0471							.0004	.2838	.1913
180.000	1.1670	.5163	.1671	-.8312	.0324	.0140	-.1430	-.2481	-.0937	.0624	.1001	.2575	-.0333	.2890	.1381
225.000		.5130	.1819	-.8191	-.1159	.0476	-.1104						-.2749	-.1569	-.1932
270.000		.4751	.1251		-.2177	-.2221	-.1477	-.0036			.2503	-.3622	-.3318	-.0970	-.2854
315.000		.4345	-.3347	-.8420	-.2211	-.1617	-.1115						-.3369	-.2826	-.2713

X/LS .9580

PHI	
.000	-.2613
45.000	-.1941
90.000	-.0355
135.000	.0642
180.000	.0193
225.000	-.2307
270.000	-.2701
315.000	-.2693

ALPHAO(3) = -6.030 BETAO (3) = -1.620

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1610	.1245	-.2558	-1.0960	-.4610	-.3935	-.1355	-.0564	-.0571	-.0838	.0101	-.2657	-.1768	-.0997	-.1629
45.000		.1268	-.2403	-1.1250	-.4181	-.2635							-.1060	-.0392	-.1019
90.000		.2025	-.1730	-1.0900	-.3503	-.2301	-.2757	-.1717	-.1375	-.1557	-.0115	-.2308	-.0566	.0754	.0395
135.000		.3815	-.0439	-1.0110	-.1697	-.1799							-.0208	.2508	.1617
180.000	1.1610	.5144	.0348	-.9066	-.0547	-.0960	-.1772	-.0504	.0156	.0372	.1430	-.2647	-.1109	.2372	.1123
225.000		.4838	.1294	-.8055	-.1363	-.0632	-.1188						-.2572	-.1403	-.1892

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(3) = -6.030 BETAO (5) = -1.620

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2370	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3121	.5869		-.5955	-.7060	-.1832	.0000			.2499	-.3466	-.3367	-.2845	-.2699
315.000		.1259	-.3965	-.8441	-.5945	-.5965	-.0891						-.3237	-.2539	-.2486

X/LS .9580

PHI	
.000	-.2411
45.000	-.1879
90.000	-.0595
135.000	.0378
180.000	.0931
225.000	-.2329
270.000	-.2892
315.000	-.2614

ALPHAO(3) = -6.030 BETAO (5) = .00

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2370	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1510	.1273	-.1141	-.1800	-.4037	-.6116	-.1241	-.0390	-.0309	-.0598	-.0039	-.2676	-.1448	-.0514	-.1358
45.000		.1275	-.2314	-.1607	-.5813	-.9263							-.0991	-.0351	-.0868
90.000		.1844	-.3114	-.1088	-.5976		-.2266	-.1574	-.1226	-.1402	-.0034	-.2432	-.0644	.0414	.0125
135.000		.3379	-.2909	-.1313	-.4813	-.4144							-.0512	.2239	.1301
180.000	1.1810	.4195	-.1335	-.0917	-.2958	-.1611	-.2132	-.0711	.2050	.4157	.0997	-.2981	-.1547	.1439	.0625
225.000		.5427	.1414	.2965	.1405	.0016	-.1323						-.2400	-.1808	-.1850
270.000		.5252	.5807		-.5991	-.6041	-.1943	-.0007			.2387	-.5396	-.3105	-.2955	-.2485
315.000		.1332	-.3978	-.9344	-.5969	-.5945	-.1172						-.3016	-.2265	-.2330

X/LS .9580

PHI	
.000	-.2118
45.000	-.1660
90.000	-.0733
135.000	.0187
180.000	-.0294
225.000	-.2208
270.000	-.2465
315.000	-.2423

AC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1831)

ALPHA(3) = -8.030 BETA(7) = 1.540

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1180	.1410	.2010	.2810	.3730	.4980	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1570	.1258	.0451	-1.1040	-.8265	-.3879	.1509	-.0277	-.0159	-.0247	.0291	-.2665	-.1391	.0137	-.0980
45.000		.1233	-.2335	-1.1180	-.4204	-.0110							-.0881	-.0164	-.0675
90.000		.1854	-.1917	-1.1030	-.4244	.2338	-.1178	-.1401	-.0781	-.1703	.0192	-.2477	-.0758	.0149	-.0067
135.000		.3037	-.1135	-1.0401	-.3056	-.0481							-.0924	.2055	.1066
180.000	1.1570	.5078	.0221	-.8337	-.1185	-.1631	-.1137	-.0778	-.0034	.0031	.0530	-.3471	-.2049	-.0035	-.0269
225.000		.5593	.1530	-.8257	-.1593	-.1137	-.1449						-.2443	-.2093	-.1804
270.000		.3765	.5966		-.5514	-.6954	-.2020	-.0134			.0510	-.3416	-.3060	-.2669	-.2467
315.000		.1341	-.3911	-.8114	-.5557	-.5979	-.1167						-.3047	-.2412	-.2499

X/LS	.9580
PHI	
.000	-.1493
45.000	-.1527
90.000	-.0859
135.000	.0159
180.000	-.0790
225.000	-.1750
270.000	-.2397
315.000	-.2019

ALPHA(3) = -4.190 BETA(7) = 3.330

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1180	.1410	.2010	.2810	.3730	.4980	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1490	.1251	-.2440	-1.0340	-.7287	-.4137	-.0031	-.0414	-.0043	-.0208	.0354	-.2736	-.1171	.0797	.0527
45.		.1190	-.2323	-1.1100	-.4336	-.1004							-.0776	-.0013	-.0455
90.		.1416	-.2128	-1.1060	-.4369	-.0343	-.2615	-.1324	-.0919	-.1039	.0431	-.2509	-.0816	-.0146	-.0239
135.00		.2913	-.1411	-1.0380	-.3743	-.2974							-.0992	.1270	.0497
180.000	1.1490	.5091	.0260	-.8969	-.1767	-.1030	-.2625	-.1000	-.0201	-.0068	.0172	-.3071	-.1942	-.0067	-.0813
225.000		.5945	.1092	-.8317	-.1520	-.1319	-.1529						-.2316	-.2119	-.2077
270.000		.3516	.5817		-.5473	-.6517	-.1954	.0048			.2083	-.3405	-.2989	-.2780	-.2538
315.000		.1335	-.3768	-.8245	-.5510	-.5795	-.1315						-.2902	-.1888	-.2023

X/LS	.9580
PHI	
.000	-.0112
45.000	-.1182
90.000	-.0961
135.000	-.0274
180.000	-.1444

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1531)

ALPHAO(3) = -6.180 BETAO (8) = 3.330

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	- 2305
270.000	-.2421
315.000	-.1929

ALPHAO(3) = -6.180 BETAO (9.0) = 5.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1340	.1115	-.2460	-1.1010	-.6125	-.4505	-.0603	-.0060	-.0053	+.0236	.0312	-.2248	-.0502	.1829	.1878
45.000		.1037	-.2445	-1.1210	-.4622	-.1626							-.0516	.1184	.0430
90.000		.1004	-.2495	-1.1310	-.4547	.2301	-.1998	-.1191	-.0680	-.0627	.0294	-.2094	-.0831	-.0127	-.0470
135.000		.2219	-.1910	-1.0900	-.4945	-.3539							-.1238	-.0233	-.0837
180.000	1.1340	.5002	.0160	-.9929	-.2534	-.3035	-.2956	-.1838	-.0451	-.0110	-.0665	-.3049	-.2150	-.0982	-.1892
225.000		.6099	.1911	-.3717	-.1545	-.1896	-.1675						-.2539	-.2243	-.2420

ALPHAO(3) = -6.140 BETAO (10.) = 6.740

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1340	.1113	-.2460	-1.1010	-.6125	-.4505	-.0603	-.0060	-.0053	+.0236	.0312	-.2248	-.0502	.1829	.1878
45.000		.1037	-.2445	-1.1210	-.4622	-.1626							-.0516	.1184	.0430
90.000		.1004	-.2495	-1.1310	-.4547	.2301	-.1998	-.1191	-.0680	-.0627	.0294	-.2094	-.0831	-.0127	-.0470
135.000		.2219	-.1910	-1.0900	-.4945	-.3539							-.1238	-.0233	-.0837
180.000	1.1340	.5002	.0160	-.9929	-.2534	-.3035	-.2956	-.1838	-.0451	-.0110	-.0665	-.3049	-.2150	-.0982	-.1892
225.000		.6099	.1911	-.3717	-.1545	-.1896	-.1675						-.2539	-.2243	-.2420

AFC11-716 TA14 S1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHA(31) = -6.140 BETA0 (10) = 5.740

SECTION 11 SRM BOOSTER DEPENDENT VARIABLE CP

X/L	.0000	.0340	.0987	.1350	.1734	.2017	.2870	.3730	.4980	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
27.000		.3539	.5726		-.3361	.6505	-.1716	-.0758			.1549	-.3644	-.3053	-.2555	-.2497
315.000		.1316	-.3702	-.7211	-.5436	.1375	.0144						-.2436	-.1096	-.1425

X/L = .9580

PHI	
.000	.0997
45.000	-.0284
90.000	-.1041
135.000	-.1435
180.000	-.1918
225.000	-.2435
270.000	-.2442
315.000	-.1317

ALPHA(31) = -6.140 BETA0 (10) = 5.740

SECTION 11 SRM BOOSTER DEPENDENT VARIABLE CP

X/L	.0000	.0340	.0987	.1350	.1734	.2017	.2870	.3730	.4980	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1210	.1314	-.3842	-.7211	-.6234	-.4752	-.0435	.0027	-.0099	-.0254	.0382	-.2132	.0210	.2327	.2533
45.000		.0941	.3541	.6139	.5046	.1515							-.0267	.1614	.1153
90.000		.1316	-.3702	-.7211	-.5436	.1375	.0144						-.2436	-.1096	-.1425
135.000		.1314	.3273	.6139	.5439	.1374							-.1334	-.0587	-.1344
180.000	1.1210	.1314	.0021	-.1331	-.2792	-.3741	-.3095	-.1653	-.0467	-.0194	-.0859	-.2243	.0147	-.1305	-.1906
225.000		.0941	.2963	-.0472	-.1472	-.2152	-.1937						-.2645	-.2472	-.2437
270.000		.3539	.5726		-.3361	-.6505	-.1716	-.0758			.1549	-.3644	-.3053	-.2555	-.2497
315.000		.1316	-.3702	-.7211	-.5436	-.1375	.0144						-.2436	-.1096	-.1425

X/L = .9580

PHI	
.000	.1334
45.000	.0181
90.000	-.1149
135.000	-.1557
180.000	-.2260
225.000	-.2629
270.000	-.2497
315.000	-.1225

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1531)

ALPHAO(41) = -4.170 BETAO (1) = -9.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L	.0000	.0340	.0960	.1150	.1440	.2010	.2970	.3730	.4480	.6030	.7180	.8330	.9900	.9170	.9390
PHI															
.000	1.1151	.8 1	.0 4	-1.1420	-.3569	-.3879	.1645	- .0 20	-.0295	.0149	.1044	- 2636	-.2562	-.1580	-.3079
45.000		.2218	-.1883	-1.378	- .9473	- .2501							-.1743	.0015	-.0925
90.000		.5 .6	.2661	-.3373	.1 4	.0 40	.1 30	.0 17	-.0544	.0099	.0414	-.1453	.01 3	.2813	.1621
135.000		.46 4	.3123	-.1432	.854	.273							.0958	.3662	.2775
1 .000	1.1 1	.6 5	.3 6	.1 5	.0440	.0 0	.0 66	.0 26	.1 9	.1515	.2049	-.1843	-.00 4	.25 1	.1 94
225.000		.7 3	.4 4	-.6 13	-.1233	.1 2	.0 7						-.2902	-.0727	-.2121
27 .000		.7 1	.6 1		-.5 7	-.3 26	- .0 1	- .0 1				.0 10	-.3453	-.3109	- .2267
315 .000		.6 1	- .6	- .6 4	- .8 3	- .62	-. 1						-.3515	-.29 4	- .2662

X/L .9380

PHI

.000	-.3364
45.000	-.1723
90.000	.0401
135.000	.1054
180.000	.0043

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L	.0000	.0340	.0960	.1150	.1440	.2010	.2970	.3730	.4480	.6030	.7180	.8330	.9900	.9170	.9390
PHI															
.000	1.1990	.1957	.0	-.1160	- .3672	.3870	-.1468	- .0723	-.1350	-.0147	.1059	-.2723	-.2410	-.1493	-.2829
45.000		.2176	-.1	-1.0351	-.4014	.0405							-.1539	.0001	.0769
90.000		.5471	-.0563	-.0129	-.1120	-.1139	-.1483	- .1066	-.0633	-.1 14	.0430	-.1608	.0068	.2024	.1663
135.000		.4591	.0246	-.9536	.0358	-.0048							.0904	.3166	.2471
180.000	1.1990	.4512	.0 .2	.3319	.1 03	.0485	-.0527	-.0071	.0042	.1417	.2731	-.1961	-.0212	.2667	.1381
225.000		.6 5	.0453	-.8813	-.1378	.0253	-.0189						-.2795	-.0716	-.2109
270.000		.3439	.6505		- .5916	- .7645	-.1311	-.0011			.1769	-.3753	-.3426	-.3007	-.2860
315.000		.2286	-.3926	-.8608	-.5803	.0594	-.0265						-.3436	-.2780	-.2878

X/L .9380

PHI

.000	-.3364
45.000	-.1723
90.000	.0401
135.000	.1054
180.000	.0043

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(4) = -4.190 BETAO (2) = -7.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2678
270.000	-.2646
315.000	-.2838

ALPHAO(4) = -4.210 BETAO (3) = -5.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2050	.1850	-.0152	-1.1090	-.3792	-.3779	-.1400	-.0656	-.0278	-.0137	.0979	-.2665	-.2238	-.1585	-.2264
													-.1271	-.0030	-.0687
45.000		.2100	-.1882	-1.0990	-.3371	-.2234							-.0005	.1920	.1389
90.000		.3128	-.0915	-1.0360	-.2004	-.1207	-.0741	-.0348	-.0148	-.0068	.0427	-.1903	.0198	.2862	.2226
135.000		.4144	.0234	-.8725	-.0064	-.0142							.0318	.2862	.1351
180.000	1.2047	.4672	.1156	-.7337	.0218	.0119	.0264	.0322	.0521	.1162	.2513	-.2141	-.2911	-.0840	-.1965
225.000		.4586	.0551	-.7221	-.1655	-.2192	-.0884						-.3367	-.2959	-.2810
270.000		.3537	.0557		-.4511	-.1711	-.1328	.0014			.2394	-.3606	-.3344	-.2759	-.2795
315.000		.2111	-.0042	-.8452	-.5976	-.5735	-.0452								

X/LS .9580

PHI	
.000	-.2953
45.000	-.1554
90.000	.0230
135.000	.0951
180.000	.0049
225.000	-.2503
270.000	-.2725
315.000	-.2755

ALPHAO(4) = -4.190 BETAO (4) = -3.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2000	.1849	-.2141	-1.1130	-.3955	-.3415	-.1256	-.0554	-.0241	-.0154	.0795	-.2614	-.2068	-.1181	-.1984
													-.1066	.0034	-.0558
45.000		.1996	-.1920	-1.1000	-.3581	-.2096							-.0109	.1541	.1112
90.000		.2841	-.1767	-1.0590	-.2729	-.1341	-.1798	-.1143	-.0534	-.0646	.0432	-.1898	.0354	.2634	.1933
135.000		.3862	-.0151	-1.0020	-.0529	-.0904							-.0634	.3129	.1393
180.000	1.2000	.4567	.0159	-.9436	.0084	-.0305	-.1081	-.0459	.0439	.0935	.2202	-.2515	-.2742	-.1231	-.1986
225.000		.4710	.0665	-.8725	-.1659	-.0505	-.0847								

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHA(4) = -4.190 BETA(4) = -3.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
270.000		.3639	.6486		-.5843	-.6509	-.1359	-.0003			.2552	-.3535	-.3273	-.2890	-.2678
315.000		.2108	-.3046	-.8280	-.5590	-.5744	-.0604						-.3175	-.2659	-.2693

X/LS .9580

PHI	
.000	-.2598
45.000	-.1402
90.000	.0005
135.000	.0636
180.000	.0167
225.000	-.2314
270.000	-.2651
315.000	-.1722

ALPHA(4) = -4.190 BETA(5) = -3.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.1960	.1849	-.2072	1.1760	-.4265	-.3249	-.1105	.0360	-.0192	-.0197	.0647	-.2561	-.1795	-.0857	-.1643
45.000		.1906	-.1963	1.2078	-.3966	.1878							-.0912	.0102	-.0446
90.000		.2560	-.1654	1.1747	-.3273	-.1465	-.1091	-.1108	-.0633	.0670	.0467	-.1951	-.0152	.1112	.0801
135.000		.3614	-.0375	1.1931	.1114	-.114A							.0096	.2405	.1600
180.000	1.1980	.4117	.0107	.8742	-.1303	-.2714	-.1459	-.0555	.0309	.0697	.1848	-.2516	-.0910	.2712	.1235
225.000		.4478	.0811	-.0697	.1373	-.1476	.1073						-.2576	-.1307	-.1939
270.000		.3781	.6472		-.5525	-.6106	-.1513	.0021			.2543	-.3413	-.3183	-.2745	-.2639
315.000		.2164	-.2972	-.0128	-.5431	-.4761	-.0949						-.3078	-.2447	-.2481

X/LS .9580

PHI	
.000	-.2283
45.000	-.1359
90.000	-.0231
135.000	.0349
180.000	.0041
225.000	-.2291
270.000	-.2614
315.000	-.2163

AP211-715 TA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1531)

ALPHA(4) = -4.180 BETA(6) = .03

SECTION 1 SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7190	.8350	.8900	.9170	.9380
PHI															
.000	1.1920	.1814	-.2238	-1.1067	-.4429	-.3344	.0966	-.0233	-.0132	-.0137	.0492	-.2350	-.1590	-.0732	-.1224
45.000		.1824	-.1965	-1.2360	-.3961	-.1687							-.0804	-.0018	-.0395
90.000		.2324	-.1402	-1.0773	-.3722	-.1546	-.1254	-.1211	-.0625	-.0690	.0507	-.2171	-.0332	.0708	.0483
135.000		.3561	.2601	-1.0441	-.2228	-.1418							-.0478	.2254	.1227
180.000	1.1920	.4607	.5111	-.8221	-.1107	-.1101	-.1316	-.0751	.0141	.0403	.1379	-.3312	-.1352	.0715	.0285
225.000		.5094	.3939	-.8657	-.1317	-.1139	-.1207						-.2428	-.2142	-.1865
270.000		.5268	.6446		-.4312	-.4118	-.1619	-.0227			.2473	-.3265	-.2976	-.2544	-.2365
315.000		.2160	-.1847	-.7297	-.5384	-.4742	-.1762						-.3031	-.2422	-.2523

X/LS	.9580
PHI	
.000	-.1868
45.000	-.1159
90.000	-.0492
135.000	.0232
180.000	-.0836
225.000	-.1799
270.000	-.2211
315.000	-.2483

ALPHA(4) = -4.170 BETA(7) = 3.020

SECTION 1 SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7190	.8350	.8900	.9170	.9380
PHI															
.000	1.1900	.1907	-.2117	-1.1760	-.4845	-.3501	-.0926	-.0119	-.0058	-.0063	.0490	-.2330	-.1357	.0009	-.0282
45.000		.1788	-.2022	-1.2605	-.4103	-.1674							-.0657	.0311	-.0163
90.000		.2113	-.1673	-1.0917	-.3901	-.1573	-.1997	-.0911	-.0449	-.0529	.0635	-.2166	-.0494	.0321	.0190
135.000		.3108	-.1096	-1.0555	-.2031	-.1547							-.0650	.1777	.0982
180.000	1.1900	.4452	.0954	-.9291	-.1479	-.1479	-.2006	-.0797	.0007	.0256	.0907	-.3072	-.1894	.0272	-.0195
225.000		.5254	.3017	-.8456	-.2005	-.1447	-.1910						-.2306	-.1936	-.1686
270.000		.4004	.6483		-.5131	-.5569	-.1631	.0044			.2350	-.3263	-.2988	-.2629	-.2474
315.000		.2251	-.2834	-.7709	-.5224	-.4574	-.1762						-.2932	-.2230	-.2382

X/LS	.9580
PHI	
.000	-.0991
45.000	-.1004
90.000	-.0724
135.000	-.0006
180.000	-.0702

ARC11-716 1A14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHA0(4) = -4.170 BETA0 (7) = 2.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LB .9580

PHI	
225.000	-.1675
270.000	-.2406
315.000	-.2232

ALPHA0(4) = -4.240 BETA0 (8) = 4.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LB	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6050	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1750	.1756	-.2577	-1.1700	-.5324	-.3167	-.0710	-.0060	.0043	-.0170	.0570	-.2249	-.0954	.0950	.0717
45.000		.1418	-.2076	-1.1700	-.4178	-.1496							-.0287	.1042	.0042
90.000		.1141	-.1667	-1.1700	-.3296	-.0661	-.0101	.0307	.0351	.0310	.0745	-.2090	-.0419	.0367	.0113
135.000		.0918	-.1340	-1.1700	-.2600	-.0292							-.0437	.0139	.0260
180.000	1.1750	.0738	-.1078	-1.1700	-.2051	-.0129	.0248	.0068	.0122	.0091	.0397	-.2497	-.1464	-.1152	-.0541
225.000		.0593	-.0866	-1.1700	-.1618	-.0057	-.0110						-.2362	-.1552	-.1694
270.000		.0476	-.0696	-1.1700	-.1276	-.0025	-.0046				.0169	-.3404	-.2365	-.2209	-.2062
315.000		.0383	-.0559	-1.1700	-.1007	-.0011	.0041						-.2453	-.1412	-.1550

X/LB .9580

PHI	
.000	.0081
45.000	-.0481
90.000	-.0949
135.000	-.0582
180.000	-.1311
225.000	-.1687
270.000	-.2096
315.000	-.1710

ALPHA0(4) = -4.230 BETA0 (9) = 6.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LB	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6050	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1690	.1659	-.2160	-1.1150	-.5395	-.4055	-.0510	-.0012	-.0007	-.0079	.0543	-.2189	-.0581	.1440	.1451
45.000		.1516	-.2238	-1.1040	-.4589	-.1355							-.0017	.2055	.1040
90.000		.1365	-.2055	-1.1170	-.4159	-.1542	-.1615	-.0909	-.0398	-.0304	.0622	-.1438	-.0349	.0398	-.0111
135.000		.2539	-.1606	-1.0900	-.4148	-.2619							-.0786	.0448	-.0359
180.000	1.1690	.4453	-.0089	-.9307	-.2603	-.2509	-.2479	-.1234	-.0297	.0007	-.0069	.2584	-.1695	.0112	-.1118
225.000		.5673	.1351	-.7864	-.1189	-.1699	-.1608						-.2394	-.1673	.2113

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(4) = -4.230 BETAO (9) = 6.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4210	.6302		-.5016	-.5367	-.1293	-.0081			.1926	-.3860	-.2744	-.2161	-.1912
315.000		.2288	-.2758	-.7539	-.5049	-.5670	-.0600						-.2252	-.1098	-.1083

X/LS	.9580
PHI	
.000	.0557
45.000	-.0069
90.000	-.0948
135.000	-.1160
180.000	-.1765
225.000	-.2309
270.000	-.2032
315.000	-.1230

ALPHAO(4) = -4.200 BETAO (10) = 8.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1610	.1597	-.2180	-1.1060	-.5715	-.4117	-.0257	.0074	.0055	-.0044	.0675	-.2000	-.0122	.2032	.2046
45.000		.1457	-.2277	-1.1000	-.4504	-.1195							.0137	.1857	.1404
90.000		.1417	-.2182	-1.1130	-.4419	-.1453	-.1500	-.1011	-.0462	-.0266	.0426	-.1768	-.0340	.0429	-.0245
135.000		.2261	-.1870	-1.0970	-.5059	-.2005							-.0952	-.0138	-.0713
180.000	1.1610	.4434	-.0123	-.9159	-.3015	-.2708	-.2604	-.1504	-.0316	.0015	-.0398	-.2664	-.1412	-.0578	-.1480
225.000		.5797	.1530	-.7317	-.2150	-.2123	-.1522						-.2510	-.1692	-.2116
270.000		.4258	.6266		-.5024	-.5301	-.0991	-.0311			.1720	-.3761	-.2748	-.2233	-.1844
315.000		.2272	-.2678	-.7472	-.5116	-.5735	-.0488						-.2047	-.0780	-.0847

X/LS	.9580
PHI	
.000	.1045
45.000	.0299
90.000	-.1108
135.000	-.1433
180.000	-.1951
225.000	-.2285
270.000	-.2130
315.000	-.1018

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1531)

ALPHAO(4) = -4.200 BETAO (11) = 10.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1460	.1453	-.2246	-1.1090	-.5860	-.4036	-.0087	.0054	.0072	-.0051	.0658	-.1984	.3059	.2580	.2430
45.000		.1300	-.2279	-1.1060	-.4558	-.1110							.0172	.2103	.1595
90.000		.1174	-.2341	-1.1310	-.4579	-.1334	-.1476	-.1481	-.0793	-.0207	.0278	-.1932	-.0535	.0403	-.0299
135.000		.1888	-.2179	-1.1140	-.5610	-.3418							-.1311	-.0725	-.1107
180.000	1.1460	.4396	-.0145	-.9115	-.3217	-.4212	-.2871	-.1523	-.0345	-.0093	-.0703	-.2985	-.2015	-.1389	-.1933
225.000		.5955	.1745	-.5418	-.1979	-.2462	-.1717						-.2603	-.2279	-.2516
270.000		.4255	.6206		-.5416	-.5565	-.0788	-.0558			.1418	-.3652	-.3013	-.2531	-.2416
315.000		.2279	-.2667	-.7621	-.5478	-.5756	-.0299						-.2363	-.1010	-.1156

X/LS	.9580
PHI	
.000	.1392
45.000	.0473
90.000	-.0979
135.000	-.1606
180.000	-.2265
225.000	-.2613
270.000	-.2538
315.000	-.1220

ALPHAO(5) = -2.870 BETAO (1) = -9.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2060	.2178	-.2036	-1.1120	-.3130	-.3437	-.1308	-.0596	-.0219	.0066	.1246	-.2528	-.2408	-.1448	-.2921
45.000		.2653	-.1616	-1.0650	-.2114	-.2031							-.1376	.0498	-.0371
90.000		.3917	-.0256	-.9852	-.0503	-.0499	-.0788	-.0361	-.0152	-.0001	.0843	-.1225	.0434	.2916	.2094
135.000		.4444	.0115	-.9705	.0640	.0360							.0978	.3472	.2717
180.000	1.2060	.4221	-.0172	-.9667	.0757	.0654	.0117	.0108	.0890	.1709	.3026	-.1753	-.0098	.2284	.1295
225.000		.4079	-.0006	-.9269	-.1621	.0404	.0260						-.2808	-.0687	-.2319
270.000		.3587	.6734		-.5625	-.6975	-.1064	-.0140			.0979	-.3698	-.3425	-.3018	-.2928
315.000		.2451	-.2579	-.9414	-.5562	-.5087	-.0017						-.3467	-.2698	-.2981

X/LS	.9580
PHI	
.000	-.3650
45.000	-.1408
90.000	.0703
135.000	.1235
180.000	-.0128

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (R91S31)

ALPHAO(5) = -2.870 BETAO (1) = -9.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.9580
PHI	
225.000	-.2853
270.000	-.2978
315.000	-.3053

ALPHAO(5) = -2.890 BETAO (2) = -7.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2130	.2238	-.1954	-1.1040	-.3256	-.3391	-.1229	-.0655	-.0183	.0054	.1234	-.2600	-.2265	-.1402	-.2559
45.000		.2577	-.1381	-1.0670	-.2740	-.1898							-.1209	.0303	-.0279
90.000		.3654	-.0480	-1.0050	-.1529	-.0672	-.0377	-.0694	-.0191	-.0077	.0804	-.1430	.0279	.2450	.1852
135.000		.4210	-.0029	-.9877	.0196	.0062							.0808	.2907	.2383
180.000	1.2130	.4212	-.0203	-1.0000	.0602	.0324	-.0296	-.0121	.0739	.1515	.2808	-.1991	-.0183	.2395	.1298
225.000		.4164	.0059	-.9194	-.1788	-.0049	-.0098						-.2823	-.0682	-.2117
270.000		.3690	.6774		-.5571	-.6581	-.1185	-.0107			.1834	-.3685	-.3381	-.2946	-.2795
315.000		.2516	-.2498	-.9499	-.5534	-.5350	-.0165						-.3337	-.2714	-.2833

X/LS	.9580
PHI	
.000	-.3192
45.000	-.1272
90.000	.0561
135.000	.0981
180.000	-.0047
225.000	-.2698
270.000	-.2708
315.000	-.2903

ALPHAO(5) = -2.870 BETAO (3) = -5.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2140	.2210	-.1953	-1.1020	-.3455	-.3138	-.1104	-.0505	-.0151	.0062	.1128	-.2558	-.2093	-.1154	-.2185
45.000		.2480	-.1628	-1.0770	-.3086	-.1773							-.0996	.0408	-.0218
90.000		.3542	-.0707	-1.0290	-.2089	-.0842	-.1161	-.0762	-.0248	-.0156	.0784	-.1531	.0230	.2098	.1613
135.000		.3984	-.0181	-1.0090	-.0398	-.0245							.0655	.2608	.2083
180.000	1.2140	.4246	-.0215	-1.0100	.0312	-.0008	-.0565	-.0272	.0633	.1325	.2604	-.1988	-.0230	.2537	.1286
225.000		.4316	.0144	-.9128	-.1908	-.0544	-.0424						-.2736	-.0822	-.1945

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(3) = -2.870 BETAO (3) = -5.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3794	.6790		-.5564	-.6217	-.1261	-.0035			.2319	-.3602	-.3347	-.2938	-.2735
315.000		.2556	-.2515	-.9438	-.5414	-.5389	-.0330						-.3227	-.2596	-.2695

X/LS	.9580
PHI	
.000	-.2780
45.000	-.1126
90.000	.0337
135.000	.0705
180.000	-.0025
225.000	-.2490
270.000	-.2652
315.000	-.2742

ALPHAO(3) = -2.860 BETAO (4) = -5.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2140	.2238	-.1855	-1.0920	-.3637	-.2960	-.0980	-.0388	-.0103	.0097	.1028	-.2565	-.1970	-.1007	-.1792
45.000		.2376	-.1606	-1.0750	-.3445	-.1559							-.0822	.0441	-.0161
90.000		.3070	-.0895	-1.0410	-.2977	-.0903	-.1302	-.0735	-.0250	-.0152	.0818	-.1648	.0131	.1673	.1312
135.000		.3782	-.0366	-1.0150	-.1145	-.0361							.0478	.2271	.1788
180.000	1.2140	.4244	-.0174	-1.0040	.0001	-.0351	-.0912	-.0386	.0503	.1094	.2368	-.2168	-.0445	.2874	.1314
225.000		.4481	.0255	-.8962	-.2050	-.1004	-.0652						-.2696	-.1119	-.1871
270.000		.3936	.6796		-.5416	-.5910	-.1351	-.0019			.2481	-.3467	-.3268	-.2813	-.2636
315.000		.2651	-.2425	-.9179	-.5328	-.5532	-.0471						-.3226	-.2569	-.2467

X/LS	.9580
PHI	
.000	-.2336
45.000	-.1055
90.000	.0104
135.000	.0503
180.000	.0109
225.000	-.2219
270.000	-.2552
315.000	-.2629

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1S31)

ALPHAO(5) = -2.840 BETAO (5) = -1.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2130	.6210	-.1921	-1.0980	-.3906	-.3010	-.0819	-.0240	-.0092	.0049	.0845	-.2426	-.1778	-.0850	-.1437
45.000		.2260	-.1730	-1.0850	-.3618	-.1493							-.0673	.0580	-.0099
90.000		.2793	-.1134	-1.0810	-.3179	-.1012	-.1470	-.0717	-.0285	-.0198	.0823	-.1709	.0078	.1358	.1022
135.000		.3544	-.0625	-1.0340	-.1641	-.0855							.0259	.1983	.1472
180.000	1.2130	.4211	-.0225	-1.0070	-.0494	-.0309	-.1214	-.0570	.0353	.0838	.1984	-.2272	-.0704	.2676	.1183
225.000		.4610	.0325	-.9887	-.2223	-.1447	-.0840						-.2590	-.1017	-.1769
270.000		.4060	.6774		-.5376	-.5595	-.1330	-.0087			.2509	-.3300	-.3131	-.2663	-.2458
315.000		.2685	-.2396	-.8960	-.5326	-.5695	-.0590						-.3032	-.2363	-.2261

X/LS	.9580
PHI	
.000	-.2059
45.000	-.1040
90.000	-.0124
135.000	.0244
180.000	.0024
225.000	-.2131
270.000	-.2533
315.000	-.2481

ALPHAO(5) = -2.840 BETAO (6) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2070	.2204	-.1976	-1.0960	-.4348	-.3135	-.0729	-.0172	-.0044	-.0019	.0733	-.2283	-.1456	-.0685	-.0986
45.000		.2177	-.1779	-1.0870	-.3778	-.1356							-.0630	.0285	.0024
90.000		.2559	-.1314	-1.0720	-.3658	-.1068	-.1372	-.0678	-.0263	-.0212	.0827	-.1816	-.0207	.0906	.0862
135.000		.3333	-.0800	-1.0450	-.2264	-.1158							-.0266	.1937	.1145
180.000	1.2070	.4231	-.0209	-1.0000	-.0925	-.1077	-.1467	-.0631	.0194	.0537	.1507	-.2839	-.1634	.0662	.0148
225.000		.4793	.0505	-.8630	-.2284	-.1636	-.1000						-.2287	-.2132	-.1930
270.000		.4175	.6754		-.5279	-.5475	-.1601	-.0056			.2559	-.3231	-.2925	-.2472	-.2316
315.000		.2698	-.2380	-.8727	-.5294	-.5930	-.0530						-.2923	-.2057	-.2423

X/LS	.9580
PHI	
.000	-.1527
45.000	-.0782
90.000	-.0313
135.000	.0142
180.000	-.0410

ARC11-716 IA14 01+T12+S12N25+A[illegible].0 SRM BOOSTER (RB1831)

ALPHAO(5) = -2.840 BETAO (6) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1764
270.000	-.2283
315.000	-.2401

ALPHAO(5) = -2.840 BETAO (7) = 2.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1980	.2159	-.1874	-1.0970	-.4602	-.3200	-.0626	-.0199	-.0034	.0009	.0727	-.2192	-.1184	.0311	.0040
													-.0363	.0526	.0091
45.000		.2015	-.1894	-1.0900	-.3927	-.1247									
90.000		.2279	-.1539	-1.0900	-.3952	-.1007	-.1341	-.0653	-.0236	-.0145	.0792	-.1855	-.0269	.0701	.0314
													-.0466	.1400	.0692
135.000		.2274	-.1037	-1.0860	-.3720	-.1417									
180.000	1.1990	.1183	-.0127	-.9981	-.2161	-.1319	-.1716	-.0799	.0043	.0324	.0932	-.2814	-.1761	.0209	-.0230
													-.2351	-.1922	-.1760
225.000		.4088	.0501	-.8459	-.2488	-.1515	-.1011								
270.000		.4311	.0717		-.0272	-.0875	-.0726	-.0345			.2420	-.3265	-.2319	-.2528	-.2286
315.000		.2158	.2313	-.0986	-.5532	-.5153	-.0205						-.2717	-.1700	-.2044

X/LS .9580

PHI	
.000	-.0649
45.000	-.0801
90.000	-.0669
135.000	-.0241
180.000	-.0796
225.000	-.1645
270.000	-.2301
315.000	-.2094

ALPHAO(5) = -2.860 BETAO (8) = 4.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1970	.2102	-.1889	-1.0980	-.5154	-.3249	-.0558	-.0172	.0000	.0042	.0805	-.2156	-.0866	.0929	.0743
													-.0122	.1790	.0855
45.000		.1924	-.1997	-1.0900	-.4116	-.1075									
90.000		.2057	-.1721	-1.0970	-.4676	-.0945	-.1328	-.0638	-.0190	-.0098	.0832	-.1898	-.0323	.0556	.0150
													-.0601	.0450	.0078
135.000		.2917	-.1279	-1.0750	-.3868	-.1720									
180.000	1.1970	.4164	-.0234	-.9851	-.2264	.1751	-.1979	-.0986	-.0113	.0168	.0409	-.2685	-.1647	.0059	-.0888
225.000		.5211	.0803	-.8115	-.2632	-.1373	-.1043						-.2312	-.2029	-.2082

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(5) = -2.860 BETAO (8) = 4.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4476	.6720		-.6015	-.4705	-.0516	-.0683			.2193	-.3455	-.2761	-.2314	-.2245
315.000		.2831	-.2290	-.9266	-.5628	-.6136	-.0243						-.2473	-.1433	-.1575

X/LS .9580

PHI	
.000	.0010
45.000	-.0202
90.000	-.0667
135.000	-.0670
180.000	-.1378
225.000	-.2176
270.000	-.2253
315.000	-.1652

ALPHAO(5) = -2.870 BETAO (9) = 6.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1860	.2019	-.2019	-1.1090	-.5520	-.2866	-.0435	-.0187	.0017	.0046	.0861	-.2077	-.0427	.1231	.1217
45.000		.1748	-.2137	-1.1070	-.4230	-.0892							.0173	.2245	.1610
90.000		.1808	-.1926	-1.1170	-.4967	-.0977	-.1149	-.0712	-.0390	-.0167	.0685	-.1880	-.0435	.0646	-.0037
135.000		.2540	-.1560	-1.0990	-.4654	-.2058							-.0809	-.0105	-.0392
180.000	1.1860	.4063	-.0301	-.9662	-.2758	-.2000	-.2182	-.1156	-.0251	.0039	.0012	-.2730	-.1757	-.0588	-.1323
225.000		.5286	.0997	-.8006	-.2896	-.1298	-.1084						-.2360	-.2070	-.2151
270.000		.4537	.6655		-.6439	-.3917	-.0157	-.1363			.2017	-.3486	-.2761	-.2294	-.2247
315.000		.2902	-.2230	-1.0020	-.6324	-.5859	.0040						-.2335	-.1062	-.1230

X/LS .9580

PHI	
.000	.0573
45.000	.0521
90.000	-.0834
135.000	-.1122
180.000	-.1738
225.000	-.2280
270.000	-.2307
315.000	-.1353

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1831)

ALPHAO(5) = -2.870 BETAO (10) = 8.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1760	.1933	-.2047	-1.1030	-.3657	-.2639	-.0356	-.0171	.0072	.0027	.0910	-.2030	-.0171	.1510	.1685
45.000		.1656	-.2090	-1.1080	-.4673	-.0977							.0215	.1914	.1557
90.000		.1610	-.2055	-1.1180	-.4993	-.0814	-.1157	-.0861	-.0734	-.0248	.0554	-.1941	-.0478	.0793	-.0094
135.000		.2311	-.1780	-1.1030	-.5152	-.2268							-.1052	-.0359	-.0756
180.000	1.1760	.4025	-.0314	-.9469	-.3222	-.2287	-.2366	-.1416	-.0349	.0022	-.0267	-.2853	-.1958	-.0954	-.1536
225.000		.5423	.1133	-.7970	-.2987	-.1441	-.1257						-.2517	-.2253	-.2313
270.000		.4569	.6506		-.6556	-.3446	-.0292	-.1703			.1812	-.3479	-.2860	-.2498	-.2363
315.000		.2879	-.2141	-1.0220	-.6320	-.5657	-.0022						-.2299	-.0864	-.1006

X/LS	.9580
PHI	
.000	.0878
45.000	.0483
90.000	-.0851
135.000	-.1373
180.000	-.2005
225.000	-.2468
270.000	-.2418
315.000	-.1044

ALPHAO(5) = -2.830 BETAO (11) = 10.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1620	.1793	-.2170	-1.1060	-.5718	-.2373	-.0253	-.0117	.0069	.0034	.0886	-.1925	.0155	.2406	.2295
45.000		.1486	-.2344	-1.1170	-.4455	-.0788							.0301	.1975	.1495
90.000		.1434	-.2253	-1.1280	-.4644	-.0761	-.1115	-.1038	-.0769	-.0325	.0373	-.1915	-.0424	.0805	.0086
135.000		.2051	-.2108	-1.1180	-.5637	-.2556							-.1274	-.0611	-.1075
180.000	1.1620	.3999	-.0412	-.9403	-.3581	-.2506	-.2571	-.1550	.0357	-.0080	-.0484	-.2957	-.2023	-.1178	-.1743
225.000		.5547	.1277	-.7795	-.3022	-.1830	-.1404						-.2656	-.2285	-.2425
270.000		.4575	.6571		-.6554	-.3491	-.0427	-.1959			.1696	-.3557	-.2989	-.2535	-.2339
315.000		.2869	-.2063	-1.0100	-.6499	-.5215	-.0067						-.2133	-.0722	-.0778

X/LS	.9580
PHI	
.000	.1219
45.000	.0309
90.000	-.0705
135.000	-.1989
180.000	-.2157

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1531)

ALPHAO(5) = -2.830 BETAO (11) = 10.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2540
270.000	-.2447
315.000	-.0895

ALPHAO(6) = -.690 BETAO (1) = -10.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2170	.2750	-.1664	-1.0190	-.2652	-.2336	.0500	-.0169	.0031	.0359	.1469	-.2419	-.2389	-.1220	-.2416
45.000		.3329	-.1129	-1.0350	-.1526	-.1164							-.0815	.1371	.0447
90.000		.4146	-.0075	-.9755	-.0135	.0013	-.0102	-.0016	.0384	.0696	.1452	-.0875	.0845	.3424	.2443
135.000		.4064	-.0105	-.9893	.0436	.0414							.1027	.3291	.2522
180.000	1.2170	.3686	-.0647	-.9873	-.0530	.0418	.0245	.0059	.0913	.1961	.3194	-.1667	-.0054	.1909	.0994
225.000		.3710	-.0574	-.9708	-.2913	-.0204	.0403						-.2765	-.0785	-.2311
270.000		.3899	.7015		-.5578	-.1075	-.1070	-.0640			.0679	.3617	-.3427	-.3060	-.2871
315.000		.3038	-.1930	-.9981	-.4986	-.4122	-.0104						-.3387	-.2371	-.2963

X/LS .9580

PHI	
.000	-.3228
45.000	-.0689
90.000	.1058
135.000	.1041
180.000	-.0384
225.000	-.2670
270.000	-.2334
315.000	-.3168

ALPHAO(6) = -.680 BETAO (2) = -7.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2240	.2817	-.1546	-1.0760	-.2678	-.2417	-.0428	-.0226	.0055	.0327	.1411	-.2411	-.2205	-.1123	-.2059
45.000		.3220	-.1111	-1.0350	-.2388	-.1121							-.0661	.1250	.0479
90.000		.3650	-.0253	-.9906	-.1293	-.0127	-.0331	-.0117	.0297	.0610	.1450	-.1100	.0690	.2908	.2158
135.000		.3870	-.0241	-.9996	-.0240	.0214							.0927	.2891	.2222
180.000	1.2240	.3631	-.0592	-1.0350	-.0139	.0138	-.0092	-.0117	.0768	.1802	.3006	-.1840	-.0070	.2104	.1076
225.000		.3754	-.0509	-.9639	-.3136	-.0975	.0084						-.2700	-.0550	-.2091

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (R81331)

ALPHAO(6) = -.680 BETAO (2) = -7.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3954	.7073		-.5703	-.5091	-.1468	-.0545			.1099	-.3626	-.3396	-.2882	-.2731
315.000		.3139	.1733	-.9936	-.4093	-.4301	-.0158						-.3322	-.2425	-.2728

X/LS .9580

PHI	
.000	-.2778
45.000	-.0589
90.000	.0633
135.000	.0793
180.000	-.0280
225.000	-.2678
270.000	-.2599
315.000	-.2830

ALPHAO(6) = -.670 BETAO (3) = -5.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2230	.2805	-.1502	-1.0860	-.5012	-.2502	-.0479	-.0250	.0008	.0241	.1278	-.2470	-.2043	-.0950	-.1704
45.000		.3041	-.1265	-1.0560	-.2719	.1087							-.0572	.1185	.0413
90.000		.3519	-.0553	-1.0230	-.1793	-.0307	-.0527	-.0275	.0187	.0504	.1333	-.1210	.0533	.2400	.1770
135.000		.3664	-.0444	-1.0240	-.0891	-.0031							.0696	.2370	.1832
180.000	1.2230	.3615	-.0650	-1.0460	-.0353	-.0035	-.0343	-.0280	.0633	.1544	.2728	-.1891	-.0131	.2144	.1090
225.000		.3925	-.0813	-.9701	-.3354	-.1296	-.0192						-.2617	-.0490	-.1877
270.000		.4014	.7036		-.5733	-.4537	-.0976	-.0431			.1827	-.3592	-.3305	-.2703	-.2638
315.000		.3197	-.1749	-.9937	-.5059	-.4532	-.0201						-.3193	-.2448	-.2565

X/LS .9580

PHI	
.000	-.2330
45.000	-.0602
90.000	.0523
135.000	.0469
180.000	-.0191
225.000	-.2450
270.000	-.2588
315.000	-.2638

ARC11-716 IA14 OL+T12+S12NE5+AT10 SRM BOOSTER (RB1331)

ALPHAO(6) = -.660 BETAO (4) = -3.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2220	.2843	-.1519	-1.0720	-.3451	-.2554	-.0472	-.0279	-.0044	.0185	.1094	-.2388	-.1685	-.0752	-.1255
45.000		.2924	-.1311	-1.0510	-.3391	-.0995							-.0398	.1048	.0520
90.000		.3285	-.0741	-1.0310	-.2921	-.0331	-.0599	-.0380	.0126	.0422	.1269	-.1269	.0402	.2022	.1465
135.000		.3513	-.0561	-1.0250	-.1615	-.0188							.0515	.2116	.1561
180.000	1.2220	.3624	-.0561	-1.0320	-.0778	-.0173	-.0571	-.0465	.0516	.1314	.2434	-.1935	-.0314	.2207	.1080
225.000		.3931	-.0410	-.9501	-.3503	-.1157	-.0185						-.2509	-.0664	-.1720
270.000		.4129	.7062		-.6052	-.4561	-.0146	-.0432			.2540	-.3374	-.3173	-.2587	-.2474
315.000		.3273	-.1651	-.9770	-.5180	-.5001	-.0052						-.3086	-.2246	-.2367

X/LS	.9380
PHI	
.000	-.1913
45.000	-.0545
90.000	.0252
135.000	.0249
180.000	-.0141
225.000	-.2317
270.000	-.2359
315.000	-.2496

ALPHAO(6) = -.660 BETAO (5) = -1.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2190	.2837	-.1538	-1.0790	-.4082	-.2685	-.0592	-.0344	-.0069	.0121	.0952	-.2161	-.1448	-.0485	-.0777
45.000		.2755	-.1426	-1.0650	-.4065	-.0892							-.0301	.0984	.0572
90.000		.3000	-.0957	-1.0510	-.2983	-.0362	-.0647	-.0391	.0052	.0327	.1174	-.1341	.0311	.1797	.1237
135.000		.3307	-.0732	-1.0430	-.1966	-.0329							.0316	.1661	.1212
180.000	1.2190	.3612	-.0617	-1.0360	-.0912	-.0314	-.0791	-.0538	.0337	.1000	.1975	-.2061	-.0480	.1954	.0802
225.000		.4073	-.0342	-.9456	-.3649	-.0612	-.0311						-.2396	-.0975	-.1821
270.000		.4281	.7040		-.6416	-.3729	-.0054	-.0700			.2885	-.3234	-.2930	-.2353	-.2207
315.000		.3361	-.1639	-.9867	-.5422	-.5298	.0073						-.2742	-.1898	-.2073

X/LS	.9380
PHI	
.000	-.1935
45.000	-.0491
90.000	.0039
135.000	.0012
180.000	-.0330

ARC11-716 IA14 OL+T12+S12M25+AT10 SRM BOOSTER (RB1331)

ALPHAO(6) = -.680 BETAO (5) = -1.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2350
270.000	-.2257
315.000	-.2367

ALPHAO(6) = -.680 BETAO (6) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9580
PHI															
.000	1.2190	.2785	-.1422	-1.0770	-.4615	-.2627	-.0643	-.0392	-.0098	.0079	.0514	-.2082	-.1065	-.0179	-.0440
45.000		.2585	-.1552	-1.0710	-.4495	-.0712							-.0217	.0808	.0600
90.000		.2750	-.1190	-1.0650	-.3940	-.0331	-.0029	-.0489	-.0051	.0234	.1137	-.1697	.0011	.1060	.0822
135.000		.3155	-.0816	-1.0550	-.2677	-.0464							-.0231	.1177	.0733
180.000	1.2190	.3625	-.0622	-1.0350	-.1371	-.0821	-.1073	-.0679	.0152	.0671	.1490	-.2687	-.1490	.0805	-.0059
225.000		.4215	-.0217	-.9334	-.3024	-.0643	-.0472						-.2400	-.2010	-.1913
270.000		.4354	.1731		-.6355	-.3054	.0055	-.1068			.2774	-.3178	-.2887	-.2546	-.2284
315.000		.3431	-.1573	-.9982	-.5672	-.1375	.0259						-.2735	-.1599	-.2110

X/LS .9580

PHI	
.000	-.0926
45.000	-.0295
90.000	-.0192
135.000	-.0538
180.000	-.0731
225.000	-.1945
270.000	-.2249
315.000	-.2215

ALPHAO(6) = -.670 BETAO (7) = 2.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9580
PHI															
.000	1.2120	.2708	-.1595	-1.0850	-.5196	-.2261	-.0580	-.0375	-.0048	.0076	.0961	-.2009	-.0818	.0450	.0228
45.000		.2377	-.1710	-1.0850	-.3919	-.0627							-.0079	.1232	.0906
90.000		.2493	-.1408	-1.0840	-.4127	-.0229	-.0839	-.0430	.0029	.0209	.1035	-.1649	-.0066	.0873	.0481
135.000		.2936	-.1094	-1.0710	-.3132	-.0655							-.0368	.0677	.0297
180.000	1.2120	.3623	-.0655	-1.0350	-.1963	-.0637	-.1354	-.0835	.0055	.0484	.1052	-.2611	-.1504	.0500	-.0272
225.000		.4385	-.0080	-.9210	-.3536	-.0225	-.0679						-.2223	-.1905	-.1712

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (P91831)

ALPHA(6) = -.670 BETA0 (7) = 2.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.4573	.7019		-.7361	-.2651	-.0170	-.1286			.2587	-.3128	-.2703	-.2295	-.0082
315.000		.5505	-.1535	-1.0020	-.5748	-.5291	.0176						-.2521	-.1395	-.1769

X/LS .9580

PHI	
.000	-.0585
45.000	-.0051
90.000	-.0445
135.000	-.0622
180.000	-.0899
225.000	-.1649
270.000	-.2137
315.000	-.1952

ALPHA(8) = -.680 BETA0 (8) = 4.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2110	.2701	-.1585	-1.0770	-.5729	-.2055	-.0522	-.0281	.0018	.0090	.1012	-.1992	-.0547	.0842	.0775
45.000		.2261	-.1771	-1.0850	-.4605	-.0646							.0127	.1896	.1195
90.000		.2303	-.1538	-1.0990	-.4270	-.0103	-.0848	-.0430	.0039	.0122	.0915	-.1697	-.0078	.1033	.0502
135.000		.2733	-.1260	-1.0760	-.4055	-.0953							-.0524	.0241	-.0036
180.000	1.2110	.3593	-.0668	-1.0260	-.2801	-.0022	-.1661	-.0949	-.0024	.0340	.0624	-.2613	-.1432	.0213	-.0735
225.000		.4592	.0102	-.8941	-.3647	-.0428	-.0920						-.2331	-.1996	-.2053
270.000		.4750	.6987		-.7758	-.2711	-.0353	-.1498			.2384	-.3296	-.2570	-.2303	-.2084
315.000		.3625	-.1464	-.9956	-.5820	-.5074	.0137						-.2200	-.1117	-.1429

X/LS .9580

PHI	
.000	.0048
45.000	.0172
90.000	-.0903
135.000	-.0820
180.000	-.1347
225.000	-.2174
270.000	-.2234
315.000	-.1629

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1831)

ALPHA0(6) = -.000 BETA0 (9) = 8.060

SECTION = 1 SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0540	.0900	.1150	.1440	.2010	.2670	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.8050	.2615	-.1697	-1.0900	-.5958	-.1803	-.0497	-.0288	.0005	.0131	.1045	-.1965	-.0299	.1344	.1280
45.000		.2583	-.1948	-1.0960	-.6037	-.0575							.0142	.1599	.1171
90.000		.0037	-.1762	-1.1137	-.1303	-.0065	-.0790	-.0457	-.0013	.0092	.0696	-.1892	-.0181	.1319	.0406
135.000		.2589	-.1464	-1.0910	.5039	-.1071							-.0748	.0091	-.0329
180.000	1.2080	.3801	-.0740	-1.0027	-.3312	-.1247	-.1084	-.0865	-.0160	.0302	.0397	-.2640	-.1582	-.0319	-.1116
225.000		.3619	.0169	-.8033	-.3540	-.0739	-.1168						-.2382	-.2088	-.2065
270.000		.4010	.0919		-.7366	-.1714	-.0700	-.1744			.2323	-.3361	-.2691	-.2195	-.2146
315.000		.3720	-.1775	-.9427	-.6363	-.0551	.0016						-.2219	-.0811	-.1075

X/LS	.9590
PHI	
.000	.0540
45.000	.0069
90.000	-.0439
135.000	-.1067
180.000	-.1603
225.000	-.2171
270.000	-.2316
315.000	-.1727

ALPHA0(6) = -.000 BETA0 (9) = 8.080

SECTION = 1 SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0540	.0900	.1150	.1440	.2010	.2670	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1930	.2514	-.1856	-1.0810	-.6096	-.1660	-.0445	-.0224	.0038	.0097	.1097	-.1928	-.0025	.1875	.1841
45.000		.1910	-.2054	-1.1078	-.6151	-.0617							.0226	.1648	.1173
90.000		.1865	-.1916	-1.1130	-.1439	-.0744	-.0801	.0399	.0003	.0070	.0601	-.1789	-.0163	.1284	.0531
135.000		.0093	-.1669	-1.1030	-.5543	-.1354							-.0845	-.0170	-.0658
180.000	1.1930	.3491	-.0717	-1.0220	-.3531	-.1461	-.2098	-.1250	-.0175	.0225	.0159	-.2709	-.1792	-.0668	-.1416
225.000		.4472	.0859	-.8552	-.3264	-.0693	-.1388						-.2438	-.2145	-.2257
270.000		.4496	.6955		-.7177	-.1502	-.1007	-.2113					-.2730	-.2352	-.2263
315.000		.3773	-.1337	-.9989	-.6210	-.4259	-.0057				.2173	-.3402	-.2196	-.0536	-.0614

X/LS	.9580
PHI	
.000	.0980
45.000	.0089
90.000	-.0590
135.000	-.1709
180.000	-.1464

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(6) = -.690 BETAO (10) = 8.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2347
270.000	-.2357
315.000	-.0771

ALPHAO(6) = -.690 BETAO (11) = 10.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1770	.2386	-.1874	-1.0860	-.5986	-.1590	-.0403	.0164	.0074	.0114	.0956	-.1773	.0305	.2460	.2317
45.000		.1707	-.2262	-1.1150	-.4265	-.0458							.0409	.1982	.1267
90.000		.1702	-.2099	-1.1210	-.4372	-.0037	-.0724	-.0399	-.0008	.0039	.0401	-.1709	-.0107	.1168	.0553
135.000		.2074	-.1951	-1.1180	-.5409	-.1643							-.1067	-.0240	-.0873
180.000	1.1770	.3426	-.0676	-1.0120	-.3994	-.1839	-.2262	-.1324	-.0226	.0109	-.0084	-.2721	-.1779	-.0813	-.1529
225.000		.4999	.0559	-.8285	-.3228	-.0637	-.1553						-.2435	-.2141	-.2254
270.000		.5001	.6913		-.8245	-.0806	-.1493	-.2410			.2105	-.3454	-.2733	-.2417	-.2177
315.000		.3781	-.1292	-.9893	-.6029	-.3731	-.0240						-.2074	-.0242	-.0235

X/LS .9580

PHI	
.000	.1224
45.000	.0134
90.000	-.0428
135.000	-.1514
180.000	-.2024
225.000	-.2432
270.000	-.2469
315.000	-.0441

ALPHAO(7) = 2.080 BETAO (1) = -10.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2170	.3492	-.1188	-1.0540	-.1641	-.1560	-.0107	.0029	.0241	.0540	.1601	-.2329	-.2069	-.0511	-.1478
45.000		.4004	-.0675	-1.0010	-.0564	-.0464							-.0082	.2411	.1400
90.000		.4187	-.0060	-.9708	.0044	.0195	.0309	.0276	.0674	.1188	.2045	-.0679	.1170	.3707	.2709
135.000		.3430	-.0553	-1.0010	-.0516	-.0011							.0928	.2926	.2200
180.000	1.2170	.2908	-.1153	-.8101	-.2190	-.0393	.0385	.0034	.0911	.2190	.3263	-.1927	-.0070	.1555	.0636
225.000		.3097	-.1369	-.9051	-.4243	-.2596	.0862						-.2594	-.0511	-.2164

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(7) = 2.000 BETAO (1) = -10.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3827	.7076		-.4759	-.4109	-.1823	-.0884			.0014	-.3461	-.3409	-.2942	-.2730
315.000		.3622	-.1069	-.9291	-.3686	-.3006	-.0196						-.3312	-.2199	-.3106

X/LS	.9580
PHI	
.000	-.2415
45.000	.0122
90.000	.1264
135.000	.0673
180.000	-.0671
225.000	-.2819
270.000	-.2740
315.000	-.3266

ALPHAO(7) = 1.960 BETAO (2) = -5.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2200	.3529	-.1121	-1.0530	-.2091	-.2197	-.0398	-.0137	.0119	.0423	.1495	-.2210	-.1487	-.0189	-.0917
													.0045	.1983	.1242
45.000		.3601	-.0895	-1.0250	-.1840	-.0760									
90.000		.3547	-.0516	-1.0160	-.1352	-.0178	-.0158	-.0040	.0416	.0899	.1777	-.1021	.0843	.2557	.1922
													.0667	.2075	.1477
135.000		.3133	-.0737	-1.0440	-.1495	-.0300									
180.000	1.2200	.2873	-.1138	-1.0450	-.1778	-.0835	-.0046	-.0265	.0686	.1756	.2666	-.1897	-.0204	.1591	.0553
225.000		.3148	-.1354	-.8779	-.4184	-.3706	.0701						-.2464	-.0492	-.1808
270.000		.3954	.7021		-.4179	-.4664	.0315	-.0424			.2172	-.3401	-.2981	-.2450	-.2309
315.000		.3793	-.0939	-.9115	-.3647	-.4433	.0226						-.2882	-.2093	-.2326

X/LS	.9580
PHI	
.000	-.1716
45.000	.0116
90.000	.0636
135.000	.0155
180.000	-.0604
225.000	-.2376
270.000	-.2384
315.000	-.2478

ARC11-716 TA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1S31)

ALPHAO(7) = 1.970 BETAO (3) = -3.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2200	.3525	-.1055	-1.0610	-.2702	-.2239	-.0508	-.0127	.0051	.0407	.1440	-.2135	-.1342	-.0048	-.0541
45.000		.3378	-.0975	-1.0440	-.2584	-.0722							.0061	.1762	.1218
90.000		.3226	-.0712	-1.0440	-.2239	-.0250	-.0339	-.0194	.0294	.0798	.1618	-.1102	.0652	.2066	.1459
135.000		.2920	-.0812	-1.0620	-.2036	-.0379							.0481	.1762	.1111
180.000	1.2200	.2861	-.1057	-1.0680	-.1843	-.1043	-.0245	-.0396	.0588	.1557	.2389	-.1931	-.0280	.1497	.0546
225.000		.3250	-.1250	-.8948	-.4419	-.3552	.0464						-.2418	-.0591	-.1777
270.000		.4114	.7073		-.4412	-.4984	.0035	-.0653			.2861	-.3393	-.2987	-.2342	-.2158
315.000		.3936	-.0931	-.9197	-.3989	-.4652	.0151						-.2795	-.1789	-.2033

X/LS	.9580
PHI	
.000	-.1279
45.000	.0108
90.000	.0292
135.000	-.0114
180.000	-.0569
225.000	-.2336
270.000	-.2248
315.000	-.2378

ALPHAO(7) = 1.980 BETAO (4) = -1.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2160	.3506	-.1076	-1.0490	-.3401	-.2312	-.0492	-.0197	.0086	.0304	.1393	-.2026	-.1016	.0119	-.0195
45.000		.3170	-.1144	-1.0450	-.3939	-.0765							.0066	.1470	.1108
90.000		.2995	-.0922	-1.0500	-.2754	-.0266	-.0453	-.0318	.0249	.0654	.1494	-.1197	.0469	.1670	.1194
135.000		.2837	-.0927	-1.0590	-.2467	-.0442							.0264	.1457	.0915
180.000	1.2160	.2891	-.0942	-1.0640	-.1994	-.1151	-.0403	-.0526	.0459	.1308	.2127	-.1934	-.0466	.1244	.0381
225.000		.3547	-.1141	-.8973	-.4504	-.3904	.0330						-.2352	-.0892	-.1834
270.000		.4209	.7015		-.4891	-.5362	.0128	-.0961			.3159	-.3150	-.2712	-.2308	-.2127
315.000		.4041	-.0788	-.9183	-.4184	-.5168	.0204						-.2565	-.1699	-.1929

X/LS	.9580
PHI	
.000	-.0921
45.000	.0082
90.000	.0033
135.000	-.0247
180.000	-.0677

ARC11-716 IA14 01+T12+S12M25+AT10 SRM BOOSTER (RB1S31)

ALPHAO(7) = 1.980 BETAO (4) = -1.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2338
270.000	-.2144
315.000	-.2161

ALPHAO(7) = 1.980 BETAO (5) = .060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2160	.3513	-.0996	-1.0490	-.4103	-.2489	-.0422	-.0190	.0050	.0223	.1359	-.1933	-.0885	.0355	.0149
45.000		.2979	-.1301	-1.0560	-.4874	-.0731							.0060	.1265	.1059
90.000		.2719	-.1156	-1.0660	-.2830	-.0171	-.0497	-.0296	.0147	.0534	.1357	-.1339	.0238	.1201	.0837
135.000		.2679	-.1096	-1.0670	-.2675	-.0395							-.0106	.0874	.0381
180.000	1.2160	.2672	-.1035	-1.0640	-.2083	-.1330	-.0604	-.0564	.0353	.1072	.1780	-.2363	-.1233	.0772	-.0215
225.000		.3464	-.1026	-.9148	-.4839	-.2734	.0191						-.2344	-.1998	-.1901
270.000		.4392	.7045		-.4799	-.5430	-.0158	-.1330			.3267	-.3256	-.2699	-.2398	-.2150
315.000		.4179	-.0723	-.9139	-.4293	-.5438	.0248						-.2607	-.1351	-.1951

X/LS .9580

PHI	
.000	-.0432
45.000	.0102
90.000	-.0143
135.000	-.0607
180.000	-.0872
225.000	-.1768
270.000	-.2133
315.000	-.2091

ALPHAO(7) = 1.970 BETAO (6) = 2.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2140	.3426	-.1121	-1.0480	-.4334	-.2399	-.0344	-.0198	.0039	.0212	.1339	-.1925	-.0597	.0767	.0620
45.000		.2734	-.1468	-1.0650	-.4306	-.0696							.0133	.1313	.1017
90.000		.2516	-.1315	-1.0750	-.3184	-.0069	-.0540	-.0302	.0128	.0436	.1210	-.1396	.0073	.1113	.0864
135.000		.2610	-.1165	-1.0720	-.3019	-.0465							-.0245	.0626	.0111
180.000	1.2140	.2926	-.0971	-1.0600	-.2371	-.1221	-.0841	-.0610	.0273	.0903	.1408	-.2473	-.1190	.0632	-.0354
225.000		.3635	-.0866	-.9283	-.4639	-.3576	-.0104						-.2254	-.1900	-.1618

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(7) = 1.970 BETAO (6) = 2.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4547	.7047		-.5199	-.5606	-.0667	-.1692			.3222	-.3091	-.2544	-.2145	-.1952
315.000		.4327	-.0639	-.9077	-.4464	-.5539	.0242						-.2524	-.1259	-.1815

X/LS	.9580
PHI	
.000	-.0077
45.000	.0046
90.000	-.0339
135.000	-.0855
180.000	-.1044
225.000	-.1570
270.000	-.1977
315.000	-.1722

ALPHAO(7) = 2.050 BETAO (7) = 4.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2070	.3443	-.1114	-1.0470	-.4678	-.2207	-.0373	-.0219	-.0016	.0155	.1181	-.1911	-.0306	.1264	.1095
45.000		.2527	-.1658	-1.0750	-.4200	-.0593							.0246	.1643	.1196
90.000		.2297	-.1538	-1.0870	-.3554	.0079	-.0559	-.0318	.0068	.0373	.1069	-.1421	.0180	.1260	.0674
135.000		.2448	-.1362	-1.0840	-.3255	-.0477							-.0358	.0591	.0048
180.000	1.2070	.2884	-.1054	-1.0610	-.2985	-.1413	-.1094	-.0754	.0207	.0767	.1049	-.2368	-.1144	.0196	-.0655
225.000		.3728	-.0786	-.9310	-.4752	-.3107	-.0402						-.2201	-.1774	-.1824
270.000		.4710	.7029		-.5527	-.5506	-.1025	-.1912			.3060	-.3160	-.2587	-.2141	-.1949
315.000		.4412	-.0571	-.9100	-.4531	-.5207	.0231						-.2321	-.0810	-.1210

X/LS	.9580
PHI	
.000	.0271
45.000	.0145
90.000	-.0370
135.000	-.0918
180.000	-.1438
225.000	-.2034
270.000	-.2064
315.000	-.1261

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(7) = 2.090 BETAO (8) = 6.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2010	.3412	-.1251	-1.0440	-.4946	-.1845	-.0374	-.0307	-.0052	.0081	.1048	-.1856	-.0055	.1868	.1712
45.000		.2347	-.1824	-1.0850	-.4170	-.0520							.0284	.1704	.1109
90.000		.2110	-.1691	-1.0950	-.3988	.0136	-.0530	-.0364	.0044	.0299	.0964	-.1382	.0155	.1316	.0640
135.000		.2308	-.1485	-1.0900	-.3787	-.0616							-.0497	.0416	-.0035
180.000	1.2010	.2822	-.1059	-1.0570	-.3787	-.1407	-.1298	-.0851	.0120	.0638	.0933	-.2330	-.1286	-.0050	-.0930
225.000		.3828	-.0569	-.9437	-.4951	-.2597	-.0754						-.2287	-.1788	-.1910
270.000		.4937	.6998		-.5940	-.3549	-.1102	-.1909			.2857	-.3110	-.2540	-.2115	-.2006
315.000		.4584	-.0438	-.8975	-.4738	-.4408	.0121						-.2160	-.0581	-.0810

X/LS	.9580
PHI	
.000	.0841
45.000	-.0030
90.000	-.0471
135.000	-.0693
180.000	-.1642
225.000	-.2174
270.000	-.2149
315.000	-.0833

ALPHAO(7) = 2.040 BETAO (8) = 8.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1910	.3298	-.1309	-1.0400	-.5719	-.1424	-.0458	-.0341	-.0119	.0032	.0969	-.1717	.0093	.2447	.2300
45.000		.2109	-.1995	-1.0910	-.4238	-.0491							.0236	.1679	.0999
90.000		.1944	-.1825	-1.0990	-.4179	.0148	-.0540	-.0348	.0000	.0273	.0897	-.1440	.0135	.1351	.0557
135.000		.2149	-.1611	-1.0960	-.3968	-.0668							-.0631	.0303	-.0324
180.000	1.1910	.2805	-.1057	-1.0500	-.4061	-.1433	-.1572	-.0943	-.0010	.0542	.0546	-.2406	-.1416	-.0312	-.1271
225.000		.4015	-.0427	-.9321	-.4960	-.1743	-.1051						-.2291	-.1872	-.2154
270.000		.5024	.6973		-.7319	-.4699	-.1118	-.1809			.2674	-.3182	-.2568	-.2199	-.2209
315.000		.4696	-.0388	-.8951	-.4992	-.5577	-.0053						-.2060	-.0063	-.0237

X/LS	.9580
PHI	
.000	.1221
45.000	-.0114
90.000	-.0505
135.000	-.1198
180.000	-.1893

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1831)

ALPHAO(7) = 2.040 BETAO (9) = 8.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2292
270.000	-.2341
315.000	-.0306

ALPHAO(7) = 2.020 BETAO (10) = 10.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.1740	.3144	-.1414	-1.0480	-.5999	-.1276	-.0636	-.0425	-.0222	-.0128	.0784	-.1681	.0386	.3008	.2487
45.000		.1845	-.2272	-1.1090	-.4217	-.0620							.0423	.1744	.1006
90.000		.1741	-.2049	-1.1100	-.4175	-.0043	-.0531	-.0425	-.0049	.0132	.0769	-.1485	.0107	.1289	.0596
135.000		.1956	-.1864	-1.1140	-.4200	-.0838							-.0919	.0164	-.0520
180.000	1.1740	.2736	-.1164	-1.0530	-.4272	-.1530	-.1806	-.1103	-.0083	.0399	.0384	-.2547	-.1644	-.0804	-.1395
225.000		.4122	-.0294	-.9321	-.4600	-.1317	-.1506						-.2417	-.1949	-.2071
270.000		.5021	.6939		-.8000	-.4303	-.1222	-.1835			.2477	-.3321	-.2693	-.2266	-.2257
315.000		.4723	-.0348	-.8988	-.5114	-.2579	-.0150						-.1992	.0238	.0142

X/LS .9580

PHI	
.000	.1324
45.000	-.0217
90.000	-.0554
135.000	-.1321
180.000	-.2063
225.000	-.2415
270.000	-.2542
315.000	.0253

ALPHAO(8) = 4.110 BETAO (1) = -10.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2000	.4034	-.0646	-1.0040	-.0376	-.1427	-.0040	.0152	.0341	.0682	.1747	-.2199	-.1645	.0299	-.0797
45.000		.4363	-.0159	-.9748	.0714	-.0378							.0368	.3113	.2024
90.000		.3950	-.0016	-.9710	.0401	-.0075	.0349	.0331	.0689	.1302	.2178	-.0604	.1169	.3881	.2716
135.000		.2842	-.0973	-.7007	-.2178	-.0552							.0632	.2436	.1529
180.000	1.2000	.2360	-.1576	-.5898	-.3015	-.1065	.0506	.0088	.0942	.2117	.2810	-.2137	-.0188	.1324	.0282
223.000		.2519	-.2041	-.6994	-.3135	-.4058	.1294						-.2461	-.0304	-.1732

ARC11-716 1A14 01+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(8) = 4.110 BETAO (1) = -10.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3536	.6810		-.3392	-.4186	-.0048	-.0368			.1262	-.3455	-.3196	-.2680	-.2450
315.000		.3871	-.0634	-.8943	-.2457	-.3474	.0445						-.2993	-.1988	-.2791

X/LS	.9580
PHI	
.000	-.1788
45.000	.0615
90.000	.1303
135.000	.0218
180.000	-.1059
225.000	-.2567
270.000	-.2425
315.000	-.2969

ALPHAO(8) = 4.130 BETAO (2) = -7.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2020	.4084	-.0734	-1.7300	-.0680	-.1476	-.0079	.0123	.0320	.0622	.1704	-.2061	-.1348	.0359	-.0470
45.000		.4135	-.0290	-.9983	-.0349	-.0479							.0365	.2884	.1998
90.000		.3607	-.0313	-1.0050	-.0003	-.0251	.0058	.0165	.0514	.1115	.2092	-.0825	.0991	.3223	.2285
135.000		.2657	-.1075	-.8637	-.2444	-.0610							.0597	.1868	.1119
180.000	1.2020	.2271	-.1556	-.6832	-.0970	-.1298	.0245	.0010	.0792	.1936	.2708	-.2083	-.0152	.1503	.0452
225.000		.2469	-.2109	-.7118	-.3455	-.4326	.1049						-.2331	-.0282	-.1720
270.000		.3562	.6776		-.3445	-.4514	-.0052	-.0418			.1893	-.3349	-.3013	-.2523	-.2234
315.000		.4020	-.0526	-.8951	-.2666	-.3760	.0393						-.2894	-.1956	-.2418

X/LS	.9580
PHI	
.000	-.1338
45.000	.0892
90.000	.0975
135.000	-.0162
180.000	-.0813
225.000	-.2385
270.000	-.2238
315.000	-.2612

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(8) = 4.150 BETAO (3) = -5.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2050	.4106	-.0757	-1.0390	-.1112	-.1615	-.0134	.0031	.0287	.0539	.1696	-.2050	-.1159	.0437	-.0178
45.000		.3909	-.0508	-1.0150	-.0809	-.0597							.0401	.2612	.1871
90.000		.3311	-.0530	-1.0290	-.1116	-.0406	-.0146	-.0077	.0321	.0966	.1945	-.0934	.0803	.2566	.1863
135.000		.2558	-.1083	-1.0490	-.2214	-.0691							.0503	.1598	.0910
180.000	1.2050	.2290	-.153.	-.8684	-.2379	-.1488	.0036	-.0251	.0660	.1733	.2559	-.2013	-.0305	.1574	.0475
225.000		.2508	-.2091	-.7267	-.3540	-.4519	.0858						-.2339	-.0426	-.1726
270.000		.3684	.6774		-.4116	-.4909	-.0257	-.0598			.2574	-.3279	-.2946	-.2361	-.2111
315.000		.4169	-.0432	-.6883	-.3128	-.4154	.0328						-.2791	-.1810	-.2203

X/LS	.9580
PHI	
.000	-.1069
45.000	.0594
90.000	.0606
135.000	-.0397
180.000	-.0688
225.000	-.2344
270.000	-.2265
315.000	-.2439

ALPHAO(8) = 4.160 BETAO (4) = -5.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2030	.4069	-.0747	-1.0440	-.1654	-.1711	-.0218	-.0054	.0167	.0462	.1586	-.2023	-.1012	.0474	.0181
45.000		.3638	-.0799	-1.0340	-.2332	-.0695							.0306	.2199	.1629
90.000		.2987	-.0804	-1.0520	-.2079	-.0453	-.0370	-.0352	.0157	.0819	.1795	-.1095	.0595	.1983	.1415
135.000		.2432	-.1220	-1.0810	-.2403	-.0702							.0354	.1455	.0757
180.000	1.2030	.2265	-.1519	-.9939	-.2929	-.1621	-.0191	-.0428	.0541	.1639	.2336	-.1934	-.0349	.1454	.0445
225.000		.2561	-.2025	-.7576	-.3897	-.4705	.0445						-.2303	-.0563	-.1741
270.000		.3748	.6769		-.4565	-.5255	-.0422	-.0849			.2853	-.3189	-.2896	-.2224	-.2143
315.000		.4312	-.0391	-.9002	-.3636	-.3968	.0226						-.2641	-.1619	-.1972

X/LS	.9580
PHI	
.000	-.0703
45.000	.0438
90.000	.0229
135.000	-.0551
180.000	-.0755

ARC11-716 1A14 01+T12+S12N25+A110 SRM BOOSTER (RB1831)

ALPHAO(8) = 4.180 BETAO (4) = -3.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2352
270.000	-.2232
315.000	-.2170

ALPHAO(8) = 4.040 BETAO (8) = -1.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2040	.4097	-.0735	-1.0354	-.2911	-.1541	-.0970	.0106	.0144	.0311	.1553	-.1994	-.0809	.0715	.0416
45.000		.3413	-.0970	-1.0377	-.3176	-.0540							.0254	.1930	.1495
90.000		.2773	-.1031	-1.0398	-.3397	-.0296	-.0474	-.0295	.0090	.0747	.1663	-.1177	.0446	.1590	.1071
135.000		.2410	-.1078	-1.0414	-.3538	-.0181							.0255	.1369	.0711
180.000	1.2040	.2345	-.1101	-1.0422	-.3577	-.0157	-.0335	-.0513	.0473	.1495	.2130	-.1945	-.0449	.1255	.0313
225.000		.2641	-.0993	-.9987	-.4405	-.4774	.0000						-.2292	.0739	-.1707
270.000		.3130	-.0619		-.4104	-.4460	-.0765	-.0996			.3011	-.3085	-.2732	-.2197	-.2090
315.000		.4455	-.0127	-.0960	-.3935	-.3940	-.1429						-.2634	-.1484	-.1776

X/LS .9580

PHI	
.000	-.0429
45.000	.0350
90.000	-.0170
135.000	-.0588
180.000	-.0771
225.000	-.2197
270.000	-.2546
315.000	-.1981

ALPHAO(8) = 4.050 BETAO (8) = .030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1990	.4086	-.0732	-1.0360	-.3842	-.1297	-.0337	-.0222	.0031	.0277	.1391	-.2012	-.0627	.1008	.0670
45.000		.3154	-.1217	-1.0530	-.5672	-.0605							.0132	.1769	.1411
90.000		.2519	-.1289	-1.0770	-.3230	-.0242	-.0529	-.0495	.0002	.0586	.1506	-.1250	.0181	.1133	.0641
135.000		.2271	-.1294	-1.0490	-.2926	-.0436							-.0057	.0961	.0358
180.000	1.1990	.2305	-.1398	-1.0780	-.2792	-.1571	-.0514	-.0549	.0444	.1230	.1876	-.2278	-.0982	.1015	-.0130
225.000		.2719	-.1836	-.8379	-.4700	-.4581	.0031						-.2352	-.1860	-.1879

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(6) = 4.050 BETAO (6) = .050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2670	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4048	.6773		-.5401	-.5470	-.0907	-.1026			.2917	-.3151	-.2759	-.2401	-.2156
315.000		.4622	-.0055	-.9011	-.4190	-.3500	.0056						-.2668	-.1602	-.1950

X/LS	.9580
PHI	
.000	-.0120
45.000	.0339
90.000	-.0393
135.000	-.0723
180.000	-.0927
225.000	-.1813
270.000	-.2159
315.000	-.2007

ALPHAO(8) = 4.050 BETAO (7) = 2.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1970	.4000	-.0841	-1.0300	-.4491	-.1144	-.0477	-.0345	-.0003	.0164	.1200	-.2050	-.0531	.1328	.1008
45.000		.2870	-.1432	-1.0640	-.6695	-.0618							.0072	.1769	.1175
90.000		.2280	-.1465	-1.0860	-.3475	-.0015	-.0037	-.0530	.0012	.0514	.1327	-.1595	.0078	.0936	.0394
135.000		.2204	-.1450	-1.0870	-.3227	-.0275							-.0204	.0889	.0271
180.000	1.1970	.2280	-.1450	-1.0850	-.2953	-.1542	-.0729	-.0538	.0406	.1122	.1577	-.2257	-.0970	.0806	-.0254
225.000		.2810	-.1681	-.8933	-.5124	-.4310	-.0222						-.2041	-.1608	-.1583
270.000		.4225	.6786		-.5973	-.5591	-.0908	-.0949			.2754	-.3074	-.2405	-.2131	-.1812
315.000		.4810	-.0028	-.8774	-.4306	-.3220	-.0009						-.2471	-.1363	-.1631

X/LS	.9580
PHI	
.000	.0279
45.000	.0201
90.000	-.0423
135.000	-.0722
180.000	-.1076
225.000	-.1577
270.000	-.1671
315.000	-.1596

ARC11-716 IA14 O1+T12+S12N25+AT1D SRM BOOSTER (R81331)

ALPHA(8) = 4.030 BETA(8) = 4.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1880	.4003	-.0864	-1.0260	-.4927	-.1117	-.0490	-.0420	-.0101	.0058	.1017	-.1857	-.0257	.1746	.1508
45.000		.2680	-.1645	-1.0740	-.6124	-.0677							.0167	.1729	.1148
90.000		.2114	-.1640	-1.0360	-.3691	.0031	-.0618	-.0507	.0007	.0390	.1166	-.1264	.0115	.0978	.0353
135.000		.2179	-.1545	-1.0890	-.3373	-.0328							-.0187	.0907	.0336
180.000	1.1880	.2203	-.1371	-1.0850	-.3045	-.1446	-.0925	-.0573	.0375	.0940	.1308	-.2083	-.0925	.0432	-.0460
225.000		.2233	-.1550	-.9361	-.5379	-.3374	-.0424						-.2127	-.1421	-.1666
270.000		.4390	.6748		-.6276	-.5238	-.0919	-.0912			.2650	-.3099	-.2389	-.2091	-.1883
315.000		.4944	-.0019	-.8562	-.4447	-.2567	-.0002						-.2162	-.1022	-.1174

X/LS	.9580
PHI	
.000	.0577
45.000	.0021
90.000	-.0750
135.000	-.0665
180.000	-.1293
225.000	-.2002
270.000	-.1955
315.000	-.1246

ALPHA(8) = 4.020 BETA(9) = 8.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7100	.8330	.8900	.9170	.9390
PHI															
.000	1.1810	.3958	-.0894	-1.0260	-.5248	-.0994	-.0620	-.0557	-.0313	-.0070	.0812	-.1734	-.0077	.2084	.2070
45.000		.2576	-.1914	-1.0930	-.4830	-.0748							.0161	.1642	.0899
90.000		.1891	-.1937	-1.1100	-.3861	.0057	-.0689	-.0594	-.0100	.0261	.1001	-.1552	.0102	.0963	.0259
135.000		.2002	-.1872	-1.1020	-.3741	-.0265							-.0309	.0938	.0283
180.000	1.1810	.2277	-.1404	-1.0890	-.3900	-.1395	-.0990	-.0639	.0224	.0831	.1092	-.2156	-.1075	.0260	-.0691
225.000		.3044	-.1498	-.9716	-.5664	-.3337	-.0719						-.2215	-.1386	-.1739
270.000		.4551	.6731		-.6774	-.4894	-.0867	-.0841			.2646	-.3031	-.2444	-.2032	-.1872
315.000		.5124	.0093	-.8939	-.4587	-.1721	-.0057						-.2220	-.0783	-.0866

X/LS	.9580
PHI	
.000	.1051
45.000	-.0228
90.000	-.0866
135.000	-.0752
180.000	-.1552

AP311-718 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (R01831)

ALPHAO(8) = 4.020 BETAO (9) = 8.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2093
270.000	-.2031
315.000	-.0802

ALPHAO(8) = 4.010 BETAO (10) = 8.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.1740	.3862	-.1089	-1.0150	-.5775	-.0940	-.0865	-.0699	-.0472	-.0187	.0665	-.1733	.0067	.2857	.2429
45.000		.2124	-.2115	-1.0980	-.4726	-.0837							.0165	.1639	.0825
90.000		.1710	-.1969	-1.1100	-.4078	.0040	-.0663	-.0664	-.0232	.0157	.0897	-.1342	.0081	.1054	.0276
135.000		.1899	-.1730	-1.1040	-.3943	-.0243							-.0473	.0787	.0077
180.000	1.1740	.2241	-.1405	-1.0780	-.4419	-.1429	-.1232	-.0728	.0172	.0734	.0946	-.2242	-.1312	-.0059	-.1091
225.000		.3197	-.1299	-.9944	-.5078	-.2662	-.1057						-.2282	-.1658	-.1935
270.000		.4728	.6742		-.7854	-.3955	-.0839	-.0728			.2746	-.3134	-.2518	-.2067	-.2015
315.000		.5260	.0195	-.8079	-.4826	-.0882	-.0300						-.2110	-.0319	-.0385

X/LS .9580

PHI	
.000	.1326
45.000	-.0525
90.000	-.0928
135.000	-.0858
180.000	-.1695
225.000	-.2110
270.000	-.2164
315.000	-.0288

ALPHAO(8) = 4.000 BETAO (11) = 10.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.1620	.3717	-.1169	-1.0130	-.5831	-.0929	-.1007	-.0821	-.0484	-.0237	.0528	-.1622	.0329	.3096	.2681
45.000		.1825	-.2371	-1.1110	-.4385	-.1008							.0295	.1907	.0734
90.000		.1550	-.2108	-1.1090	-.4167	-.0830	-.0731	-.0777	-.0279	.0024	.0814	-.1506	.0073	.1055	.0239
135.000		.1756	-.1890	-1.1130	-.4109	-.0366							-.0696	.0612	.0033
180.000	1.1620	.2205	-.1422	-1.0760	-.4519	-.1522	-.1418	-.0770	.0048	.0546	.0677	-.2396	-.1363	-.0247	-.1318
225.000		.3331	-.1084	-.9837	-.5608	-.2399	-.1317						-.2281	-.1693	-.1925

ARC11-716 1A14 C1+T12+S12N2S+AT10 SRM BOOSTER (RB1331)

ALPHA0(8) = 4.000 BETA0 (11) = 10.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4780	.6719		-.4055	-.3212	-.0849	-.0678			.2657	-.3240	-.2408	-.2101	-.2214
315.000		.5349	.0261	-.7937	-.1631	-.0302	-.0366						-.2084	-.0153	.0015

X/LS .9580

PHI	
.000	.1496
45.000	-.0370
90.000	-.0788
135.000	-.0845
180.000	-.1597
225.000	-.2291
270.000	-.2529
315.000	.0279

ALPHA0(9) = 6.000 BETA0 (1) = 9.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1780	.4590	-.0353	-.9822	.0445	-.0636	.0277	.0362	.0571	.0855	.1858	-.2174	-.1295	.0699	-.0095
45.000		.4791	.0059	-.9374	.0948	-.0020							.0695	.3892	.2610
90.000		.3631	-.0173	-.9568	.0140	-.0257	.0142	.0148	.0529	.1318	.2547	-.0678	.1032	.3842	.2531
135.000		.2173	-.1452	-.6036	-.2816	-.0694							.0268	.2100	.0977
180.000	1.1780	.1702	-.1985	-.5757	-.3696	-.1428	.0341	.0047	.0800	.2086	.2650	-.2569	-.0360	.1144	.0017
225.000		.1859	-.2940	-.7757	-.3319	-.4154	.1054						-.2351	.0369	-.1436
270.000		.3057	.6414		-.3514	-.3690	-.0092	-.0481			.1253	-.3380	-.3105	-.2545	-.2259
315.000		.4123	-.0045	-.8922	-.1519	-.2325	.0589						-.2900	-.1858	-.2733

X/LS .9580

PHI	
.000	-.1193
45.000	.1174
90.000	.1103
135.000	-.0581
180.000	-.1360
225.000	-.2259
270.000	-.2292
315.000	-.2917

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(2) = 5.930 BETAO (2) = -7.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1780	.4672	-.0335	-.9959	.0122	-.0897	.0237	.0315	.0515	.0808	.1817	-.2006	-.1164	.0861	.0215
45.000		.4447	-.0010	-.9605	.0729	-.0208							.0647	.3494	.2528
90.000		.3287	-.0340	-.9832	.0009	-.0484	-.0152	-.0132	.0268	.1155	.2257	-.0880	.0903	.3301	.2141
135.000		.2002	-.1431	-.6916	-.3039	-.1033							.0249	.1598	.0643
180.000	1.1780	.1708	-.1864	-.6141	-.3627	-.1691	.0095	-.0081	.0691	.1959	.2525	-.2374	-.0265	.1590	.0271
225.000		.1828	-.2779	-.7812	-.3313	-.4554	.0760						-.2238	.0300	-.1389
270.000		.3112	.6408		-.3721	-.4256	-.0193	-.0480			.1458	-.3346	-.3003	-.2547	-.2125
315.000		.4317	.0249	-.8907	-.1908	-.1937	.0513						-.2778	-.1710	-.2389

X/LS	.9580
PHI	
.000	-.0752
45.000	.1146
90.000	.0819
135.000	-.0841
180.000	-.0984
225.000	-.2179
270.000	-.2189
315.000	-.2603

ALPHAO(3) = 5.960 BETAO (3) = -5.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1790	.4701	-.0338	-.9992	-.0129	-.0979	.0202	.0207	.0429	.0738	.1740	-.1918	-.0857	.0960	.0437
45.000		.4159	-.0208	-.9843	.0204	-.0394							.0546	.3002	.2271
90.000		.2950	-.0609	-1.0240	-.0218	-.0640	-.0414	-.0367	.0052	.0959	.2109	-.1024	.0620	.2586	.1670
135.000		.1965	-.1483	-.8165	-.2999	-.1118							.0214	.1219	.0432
180.000	1.1790	.1729	-.1850	-.7141	-.3914	-.1943	-.0112	-.0281	.0567	.1762	.2413	-.2270	-.0361	.1918	.0606
225.000		.1791	-.2815	-.7875	-.3634	-.4875	.0616						-.2176	.0096	-.1391
270.000		.3171	.6363		-.3897	-.4545	-.0418	-.0603			.1870	-.3208	-.2813	-.2349	-.2112
315.000		.4483	.0361	-.8755	-.2085	-.2035	.0386						-.2700	-.1609	-.2203

X/LS	.9580
PHI	
.000	-.0443
45.000	.0967
90.000	.0488
135.000	-.0837
180.000	-.0626

ARC11-716 1A14 01+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(9) = 5.960 BETAO (3) = -5.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2107
270.000	-.2097
315.000	-.2364

ALPHAO(9) = 5.950 BETAO (4) = -3.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9...
PHI															
.000	1.1760	.4678	-.0321	-1.0070	-.0830	-.1159	-.0041	.0108	.0348	.0641	.1610	-.1956	-.0821	.1071	.0704
45.000		.3865	-.0331	-1.0100	-.1228	-.0822							.0443	.2616	.2002
90.000		.2645	-.0937	-1.0570	-.1679	-.0776	-.0637	-.0517	-.0093	.0763	.1932	-.1066	.0548	.2059	.1257
135.000		.1847	-.1485	-1.0400	-.2743	-.1132							.0228	.1127	.0340
180.000	1.1760	.1690	-.1797	-.9052	-.3818	-.2024	-.0250	-.0290	.0560	.1624	.2347	-.1986	-.0293	.1970	.0601
225.000		.1869	-.2721	-.7859	-.3776	-.5175	.0323						-.2100	-.0058	-.1534
270.000		.3344	.6405		-.3974	-.4695	-.0429	-.0652			.2390	-.3153	-.2723	-.2140	-.1982
315.000		.4681	.0302	-.8418	-.2511	-.2839	.0190						-.2574	-.1504	-.1910

X/LS .9580

PHI	
.000	-.0147
45.000	.0825
90.000	.0105
135.000	-.0943
180.000	-.0522
225.000	-.2115
270.000	-.2108
315.000	-.2189

ALPHAO(9) = 5.940 BETAO (5) = -1.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1740	.4679	-.0277	-.9976	-.1758	-.0963	-.0095	-.0052	.0163	.0516	.1482	-.1936	-.0586	.1586	.1015
45.000		.3592	-.0611	-1.0160	-.3215	-.0653							.0380	.2443	.1779
90.000		.2451	-.1217	-1.0610	-.2666	-.0745	-.0764	-.0735	-.0252	.0653	.1810	-.1203	.0354	.1594	.0843
135.000		.1851	-.1489	-1.0910	-.2765	-.1047							.0119	.1105	.0258
180.000	1.1740	.1751	-.1707	-.9592	-.3977	-.2515	-.0348	-.0437	.0516	.1521	.2148	-.2034	-.0422	.1596	.0473
225.000		.1929	-.2657	-.7703	-.3904	-.5239	.0162						-.2129	-.0283	-.1498

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(8) = 5.940 BETAO (5) = -1.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3443	.6394		-.4144	-.4870	-.0606	-.0683			.2314	-.3060	-.2766	-.2089	-.1905
315.000		.4852	.0544	-.8100	-.2800	-.2702	.0326						-.2616	-.1676	-.1656

X/LS	.9580
PHI	
.000	.0148
45.000	.0636
90.000	-.0301
135.000	-.0961
180.000	-.0573
225.000	-.2014
270.000	-.2002
315.000	-.1940

ALPHAO(9) = 5.940 BETAO (6) = .040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1710	.4679	-.0348	-.9934	-.2882	-.1070	-.0224	-.0186	-.0024	.0265	.1327	-.1992	-.0652	.1629	.1255
45.000		.3316	-.0901	-1.0310	-.4980	-.0847							.0194	.2164	.1598
90.000		.2172	-.1474	-1.0770	-.3294	-.0728	-.0845	-.0873	-.0353	.0520	.1602	-.1291	.0108	.1185	.0498
135.000		.1781	-.1519	-1.0930	-.3073	-.0845							-.0203	.1013	.0074
180.000	1.1710	.1780	-.1713	-1.0010	-.3850	-.2329	-.0397	-.0533	.0452	.1362	.1910	-.2334	-.0946	.1196	.0017
225.000		.1914	-.2578	-.7586	-.4513	-.5301	-.0017						-.2326	-.1668	-.1703
270.000		.3550	.6364		-.4783	-.5055	-.0692	-.0797			.2603	-.3217	-.2726	-.2403	-.2083
315.000		.5022	.0642	-.8168	-.3247	-.2743	.0250						-.2735	-.1428	-.1991

X/LS	.9580
PHI	
.000	.0309
45.000	.0413
90.000	-.0605
135.000	-.1039
180.000	-.0908
225.000	-.1790
270.000	-.1991
315.000	-.1927

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(6) = 5.880 BETAO (7) = 2.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1680	.4572	-.0393	-.9935	-.4197	-.1101	-.0575	-.0458	-.0119	.0104	.0984	-.1993	-.0485	.1757	.1592
45.000		.2984	-.1315	-1.0530	-.5947	-.0876							.0093	.1926	.1259
90.000		.1948	-.1627	-1.0900	-.3731	-.0551	-.0905	-.0872	-.0271	.0456	.1391	-.1373	-.0053	.0907	.0201
135.000		.1769	-.1625	-1.0980	-.3454	-.0705							-.0264	.1127	.0230
180.000	1.1680	.1795	-.1625	-1.0840	-.3816	-.2131	-.0513	-.0532	.0464	.1209	.1702	-.2340	-.1065	.0955	-.0147
225.000		.2033	-.2434	-.7622	-.4666	-.5144	-.0093						-.2096	-.1376	-.1406
270.000		.3754	.6351		-.5432	-.4306	-.0752	-.0813			.2470	-.3139	-.2608	-.2069	-.1734
315.000		.5220	.0713	-.8232	-.3823	-.2102	-.0059						-.2603	-.1599	-.1650

X/LS	.9580
PHI	
.000	.0689
45.000	.0155
90.000	-.0827
135.000	-.0926
180.000	-.0935
225.000	-.1542
270.000	-.1739
315.000	-.1663

ALPHAO(9) = 5.990 BETAO (8) = 4.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1610	.4582	-.0499	-.9864	-.4661	-.0621	-.0767	-.0668	-.0344	-.0143	.0764	-.2071	-.0396	.2070	.1976
45.000		.2698	-.1651	-1.0670	-.6644	-.1011							.0037	.1754	.1066
90.000		.1710	-.1820	-1.1030	-.4092	-.0392	-.0986	-.0867	-.0290	.0333	.1161	-.1434	-.0074	.0803	.0049
135.000		.1685	-.1721	-1.1040	-.3695	-.0230							-.0278	.1222	.0346
180.000	1.1610	.1737	-.1725	-1.0950	-.3961	-.1826	-.0727	-.0631	.0345	.1059	.1382	-.2197	-.0895	.0794	-.0290
225.000		.2061	-.2379	-.8509	-.6021	-.4431	-.0476						-.2109	-.1201	-.1656
270.000		.3839	.6333		-.6446	-.3630	-.1117	-.0685			.1896	-.3161	-.2308	-.1928	-.1735
315.000		.5371	.0791	-.8159	-.3983	-.0348	-.0229						-.2185	-.1312	-.1362

X/LS	.9580
PHI	
.000	.1123
45.000	-.0054
90.000	-.0946
135.000	-.0863
180.000	-.1163

APC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(8) = 5.990 BETAO (8) = 4.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.9580
PHI	
225.000	-.2023
270.000	-.1889
315.000	-.1297

ALPHAO(9) = 5.990 BETAO (9) = 6.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1520	.4500	-.0659	-.9794	-.5013	-.0735	-.1005	-.0847	-.0554	-.0266	.0551	-.2033	-.0295	.2593	.2405
45.000		.2347	-.1992	-1.0860	-.6394	-.1206							.0077	.1876	.0863
90.000		.1470	-.2019	-1.1140	-.4219	-.03[illegible]	-.1037	-.0938	-.0384	.0214	.1018	-.1569	-.0068	.0810	-.0084
135.000		.1583	-.1811	-1.1000	-.3911	-.0107							-.0361	.0832	.0290
180.000	1.1520	.1727	-.1670	-1.1010	-.4000	-.1470	-.0930	-.0603	.0255	.0953	.1172	-.2316	-.1019	.0567	-.0570
225.000		.2154	-.2257	-.9395	-.6553	-.3817	-.0788						-.2144	-.1245	-.1626
270.000		.4005	.6281		-.0967	-.2271	-.1027	-.0623			.2026	-.3114	-.2316	-.1928	-.1775
315.000		.5619	.0901	-.7976	-.4097	-.0007	-.0199						-.2267	-.1121	-.1037

X/LS	.9580
PHI	
.000	.1383
45.000	-.0250
90.000	-.1084
135.000	-.0681
180.000	-.1423
225.000	-.1965
270.000	-.1869
315.000	-.0725

ALPHAO(9) = 6.020 BETAO (10) = 8.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1410	.4422	-.0742	-.9742	-.5065	-.0919	-.1166	-.1016	-.0718	-.0424	.0412	-.1993	-.0159	.2775	.2578
45.000		.2047	-.2263	-1.1010	-.6038	-.1489							.0049	.1862	.0697
90.000		.1321	-.2164	-1.1230	-.4358	-.0278	-.1031	-.1011	-.0454	0010	.0909	-.1590	-.0098	.0692	-.0026
135.000		.1515	-.1917	-1.1040	-.4018	-.0101							-.0470	.1091	.0289
180.000	1.1410	.1672	-.1694	-1.1010	-.4268	-.1403	-.0974	-.0634	.0120	.0820	.1046	-.2198	-.1124	.0422	-.0838
225.000		.2239	-.2159	-.9946	-.6631	-.3035	-.0977						-.2221	-.1336	-.1765

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1531)

ALPHAO(9) = 8.020 BETAO (10) = 8.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4179	.6219		-.8713	-.1327	-.0948	-.0560			.2403	-.3083	-.2351	-.1975	-.1873
315.000		.5783	.0991	-.7715	-.4125	-.1418	-.0181						-.2221	-.0836	-.0551

X/LS	.9580
PHI	
.000	.1554
45.000	-.0442
90.000	-.1137
135.000	-.0633
180.000	-.1675
225.000	-.2115
270.000	-.2103
315.000	-.0024

ALPHAO(9) = 9.990 BETAO (11) = 10.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1300	.4279	-.0808	-.9628	-.4920	-.1127	-.1310	-.1184	-.0770	-.0465	.0252	-.2047	.0117	.2826	.2795
45.000		.1722	-.2575	-1.1120	-.5212	-.1882							-.0032	.1613	.0480
90.000		.1163	-.2322	-.9791	-.4712	-.0401	-.1042	-.1068	-.0623	-.0151	.0792	-.1566	-.0166	.0685	-.0098
135.000		.1438	-.1965	-1.0560	-.4442	-.0372							-.0560	.1043	.0316
180.000	1.1300	.1614	-.1713	-1.0940	-.3742	-.1655	-.1170	-.0692	.0025	.0625	.0885	-.2396	-.1253	.0054	-.1066
225.000		.2331	-.1933	-1.0020	-.6455	-.3171	-.1207						-.2255	-.1608	-.1919
270.000		.4242	.6192		-.7649	-.0749	-.0692	-.0561			.2392	-.3248	-.2450	-.2087	-.2077
315.000		.5862	.1050	-.7336	-.3977	.0325	-.0123						-.2204	-.0762	.0410

X/LS	.9580
PHI	
.000	.1732
45.000	-.0682
90.000	-.1093
135.000	-.0608
180.000	-.1852
225.000	-.2225
270.000	-.2415
315.000	.0745

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1831)

ALPHAO(10) = 8.050 BETAO (1) = -9.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1390	.5099	-.0082	-.9406	.0537	-.0785	.0534	.0684	.0775	.1071	.2132	-.2007	-.0860	.1719	.0711
45.000		.4893	.0268	-.9113	.0630	-.0040							.0997	.4525	.2968
90.000		.3152	-.0385	-.9463	-.0557	-.0673	-.0294	-.0057	.0325	.1242	.2306	-.0806	.0919	.3780	.2301
135.000		.1397	-.1807	-.5863	-.2689	-.1359							-.0008	.1785	.0350
180.000	1.1390	.1184	-.2258	-.5558	-.3563	-.1889	.0100	.0097	.0763	.1954	.2070	-.2492	-.0646	.0632	-.0470
225.000		.1203	-.3471	-.6007	-.2718	-.3833	.0808						-.2076	.0856	-.0975
270.000		.2503	.5941		-.2530	-.4505	.0423	.0268			.2467	-.3336	-.2937	-.2234	-.1712
315.000		.4367	.0414	-.8379	-.0834	-.2177	.0884						-.2590	-.1493	-.2342

X/LS	.9580
PHI	
.000	-.0452
45.000	.1589
90.000	.0979
135.000	-.0868
180.000	-.1632
225.000	-.1833
270.000	-.1919
315.000	-.2676

ALPHAO(10) = 8.000 BETAO (2) = -7.950

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1350	.5189	-.0047	-.9641	.0443	-.0834	.0411	.0582	.0680	.1003	.2065	-.1860	-.0618	.1924	.1164
45.000		.4600	.0046	-.9408	.0554	-.0376							.0915	.4003	.2686
90.000		.2774	-.0709	-.9837	-.1038	-.0973	-.0555	-.0358	.0016	.1020	.2185	-.0854	.0655	.3257	.1899
135.000		.1275	-.1939	-.5977	-.3136	-.1392							-.0118	.1354	.0055
180.000	1.1350	.1131	-.2236	-.5645	-.3654	-.2020	.0007	-.0062	.0592	.1737	.1882	-.2366	-.0349	.0980	-.0264
225.000		.1034	-.3627	-.6884	-.2980	-.4135	.0595						-.1984	.0458	-.1046
270.000		.2449	.5839		-.2668	-.4418	-.0010	.0176			.2663	-.3121	-.2736	-.2154	-.1740
315.000		.4518	.0622	-.8424	-.0926	-.2909	.0727						-.2458	-.1385	-.2113

X/LS	.9580
PHI	
.000	.0048
45.000	.1491
90.000	.0636
135.000	-.1184
180.000	-.1481

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(10) = 8.000 BETAO (2) = -7.950

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1804
270.000	-.1950
315.000	-.2385

ALPHAO(10) = 7.980 BETAO (3) = -5.950

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1340	.5208	-.0035	-.9660	.0227	-.0931	.0285	.0429	.0578	.0670	.2061	-.1839	-.0498	.1787	.1338
45.000		.4271	-.0101	-.9630	.0408	-.0651							.0814	.3605	.2672
90.000		.2436	-.1133	-1.0150	-.1509	-.1152	-.0835	-.0679	-.0194	.0809	.2056	-.1008	.0480	.2661	.1407
135.000		.1234	-.1911	-.6166	-.3466	-.1388							-.0111	.1044	-.0052
180.000	1.1340	.1164	-.2206	-.6050	-.3952	-.2353	-.0170	-.0175	.0458	.1528	.1794	-.2306	-.0555	.1485	.0170
225.000		.0982	-.3659	-.7549	-.3163	-.4235	.0442						-.2111	-.0014	-.1235
270.000		.2476	.5792		-.2935	-.5142	-.0214	-.0062			.3231	-.2934	-.2690	-.2172	-.1756
315.000		.4707	.0758	-.8441	-.1169	-.2885	.0614						-.2367	-.1312	-.1893

X/LS .9580

PHI	
.000	.0311
45.000	.1298
90.000	.0188
135.000	-.1298
180.000	-.1000
225.000	-.1930
270.000	-.1920
315.000	-.2242

ALPHAO(10) = 7.940 BETAO (4) = -3.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1320	.5191	.0001	-.9722	-.0120	-.1074	.0116	.0322	.0406	.0715	.1943	-.1835	-.0425	.1784	.1497
45.000		.3938	-.0451	-.9891	.0003	-.0917							.0628	.3213	.2378
90.000		.2107	-.1392	-1.0510	-.2127	-.1310	-.1100	-.0911	-.0417	.0642	.1933	-.1057	.0359	.2000	.0955
135.000		.1177	-.1866	-.6695	-.3671	-.1379							-.0110	.0868	-.0064
180.000	.0	.1135	-.2175	-.6491	-.4250	-.2685	-.0287	-.0328	.0379	.1452	.1845	-.2117	-.0626	.1652	.0510
225.000		.0979	-.3661	-.8786	-.3502	-.4784	.0197						-.2187	-.0315	-.1391

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(10) = 7.940 BETAO (4) = -3.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.2557	.5788		-.3231	-.5487	-.0672	-.0353			.3333	-.2892	-.2878	-.2119	-.1814
315.000		.4876	.0799	-.8388	-.1421	-.3128	.0446						-.2311	-.1153	-.1610

X/LS	.9580
PHI	
.000	.0448
45.000	.1033
90.000	-.0265
135.000	-.1295
180.000	-.0635
225.000	-.2064
270.000	-.2007
315.000	-.1980

ALPHAO(10) = 7.940 BETAO (5) = -1.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1290	.5188	-.0159	-.9679	-.0663	-.1095	-.0013	.0035	.0251	.0556	.1778	-.1808	-.0200	.1847	.1581
45.000		.3572	-.0744	-1.0110	-.0646	-.1110							.0473	.2737	.2014
90.000		.1787	-.1642	-1.0850	-.2603	-.1356	-.1229	-.1110	-.0573	.0573	.1815	-.1161	.0146	.1567	.0543
135.000		.1184	-.1934	-.8263	-.3693	-.1321							-.0095	.0886	-.0040
180.000	1.1290	.1172	-.2123	-.7423	-.4412	-.2843	-.0419	-.0437	.0382	.1402	.1810	-.2117	-.0637	.1834	.0631
225.000		.0950	-.3643	-.8594	-.4616	-.4678	-.0227						-.2064	-.0471	-.1502
270.000		.2658	.5733		-.3230	-.5289	-.1051	-.0427			.2100	-.2966	-.2553	-.2093	-.1817
315.000		.5089	.0929	-.8097	-.1777	-.2536	.0316						-.2269	-.1283	-.1195

X/LS	.9580
PHI	
.000	.0576
45.000	.0756
90.000	-.0581
135.000	-.1208
180.000	-.0537
225.000	-.2140
270.000	-.1814
315.000	-.1528

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (R61331)

ALPHAO(10) = 7.890 BETAO (6) = .030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1250	.5178	-.0145	-.9640	-.1464	-.0754	-.0348	-.0326	-.0098	.0177	.1524	-.1957	-.0493	.2174	.1858
45.000		.3261	-.1020	-1.0330	-.2437	-.1107							.0136	.2651	.1774
90.000		.1554	-.1855	-1.1010	-.3173	-.1336	-.1451	-.1472	-.0854	.0368	.1502	-.1402	-.0066	.1147	.0217
135.000		.1114	-.1917	-1.1170	-.3362	-.1147							-.0214	.1098	-.0102
180.000	1.1250	.1159	-.2089	-.9640	-.4500	-.2530	-.0627	-.0489	.0339	.1264	.1910	-.2379	-.0849	.1676	.0485
225.000		.0929	-.3586	-.9093	-.5059	-.5182	-.0296						-.2138	-.0569	-.1597
270.000		.2800	.5724		-.5052	-.3190	-.0548	-.0489			.1974	-.3142	-.2720	-.2466	-.1900
315.000		.5336	.1066	-.7840	-.2104	-.0166	.0033						-.2570	-.1425	-.1376

X/LS	.9580
PHI	
.000	.0934
45.000	.0526
90.000	-.0867
135.000	-.1264
180.000	-.0574
225.000	-.1853
270.000	-.1821
315.000	-.1538

ALPHAO(10) = 7.940 BETAO (7) = 2.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1240	.5124	-.0160	-.9577	-.2339	-.0627	-.0624	-.0602	-.0353	-.0051	.0837	-.2055	-.0550	.2299	.2156
45.000		.2902	-.1576	-1.0480	-.3681	-.1372							-.0020	.2188	.1306
90.000		.1375	-.2003	-1.1090	-.3942	-.1238	-.1453	-.1543	-.0725	.0329	.1312	-.1558	-.0267	.0854	-.0044
135.000		.1188	-.1956	-1.1160	-.3658	-.0851							-.0402	.0942	-.0017
180.000	1.1240	.1213	-.2040	-1.0500	-.4598	-.2127	-.0634	-.0594	.0353	.1209	.1591	-.2407	-.0885	.1139	.0041
225.000		.1027	-.3451	-.8796	-.5751	-.5171	-.0373						-.1984	-.1061	-.1279
270.000		.2935	.5698		-.5455	-.2772	-.0903	-.0528			.1728	-.2941	-.2516	-.2093	-.1706
315.000		.5509	.1189	-.7615	-.2595	.0029	.0026						-.2533	-.1487	-.1547

X/LS	.9580
PHI	
.000	.1242
45.000	.0140
90.000	-.1101
135.000	-.1198
180.000	-.0918

APC11-716 IA14 O1+T12+S12N23+AT10 SRM BOOSTER (RB1331)

ALPHAO(10) = 7.940 BETAO (7) = 2.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1609
270.000	-.1644
315.000	-.1540

ALPHAO(10) = 8.010 BETAO (8) = 4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.1110	.5122	-.0301	-.9603	-.2850	-.0756	-.0870	-.0831	-.0541	-.0317	.0509	-.2077	-.0199	.2817	.2578
45.000		.2542	-.1878	-1.0900	-.4950	-.1717							-.0064	.2048	.1083
90.000		.1036	-.2292	-1.1360	-.4294	-.1300	-.1537	-.1534	-.0650	.0161	.1063	-.1490	-.0251	.0703	-.0201
135.000		.1046	-.2078	-1.1320	-.3939	-.0698							-.0490	.0933	-.0041
180.000	1.1110	.1087	-.2090	-1.0910	-.4039	-.2063	-.0741	-.0633	.0324	.1010	.1250	-.2332	-.0991	.0864	-.0224
225.000		.0975	-.3477	-.8718	-.6164	-.4772	-.0513						-.2039	-.1153	-.1569
270.000		.3002	.5604		-.5934	-.2614	-.0595	-.0446			.1684	-.3010	-.2183	-.1823	-.1714
315.000		.5708	.1231	-.7156	-.2592	-.0103	.0010						-.2187	-.1118	-.1048

X/LS .9580

PHI	
.000	.1514
45.000	-.0122
90.000	-.1246
135.000	-.1131
180.000	-.1124
225.000	-.1966
270.000	-.1812
315.000	-.0929

ALPHAO(10) = 8.000 BETAO (9) = 6.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.1090	.5087	-.0292	-.9396	-.3648	-.1005	-.1065	-.1016	-.0799	-.0442	.0424	-.2054	-.0067	.2897	.2584
45.000		.2192	-.2189	-1.0860	-.5671	-.1992							-.0031	.2021	.0917
90.000		.0878	-.2373	-1.1310	-.4473	-.1092	-.1432	-.1366	-.0676	.0005	.0946	-.1627	-.0254	.0705	-.0270
135.000		.1116	-.2051	-1.1180	-.4074	-.0412							-.0538	.0788	-.0096
180.000	1.1090	.1170	-.1952	-1.1030	-.4652	-.2135	-.0811	-.0656	.0213	.0878	.1026	-.2332	-.1052	.0685	-.0510
225.000		.1142	-.3213	-.9297	-.6256	-.4748	-.0655						-.2170	-.1237	-.1636

ARC11-716 TA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(10) = 6.000 BETAO (9) = 5.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3281	.5584		-.5891	-.2751	-.0446	-.0400			.2017	-.3084	-.2332	-.1980	-.1713
315.000		.6019	.1404	-.6432	-.3041	.0033	.0227						-.2192	-.0956	-.0746

X/LS	.9580
PHI	
.000	.1568
45.000	-.0355
90.000	-.1327
135.000	-.1065
180.000	-.1421
225.000	-.2064
270.000	-.1941
315.000	-.0471

ALPHAO(10) = 7.980 BETAO (10) = 8.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0990	.4949	-.0496	-.9414	-.5860	-.1314	-.1220	-.1158	-.0987	-.0520	.0208	-.1877	.0102	.3123	.3011
45.000		.1827	-.2558	-1.1160	-.4537	-.2448							-.0089	.1639	.0445
90.000		.0723	-.2546	-1.0100	-.5250	-.1105	-.1418	-.1338	-.0799	-.0128	.0741	-.1690	-.0216	.0700	-.0295
135.000		.1102	-.2200	-.9535	-.4939	-.0460							-.0550	.0798	.0026
180.000	1.0990	.1125	-.1986	-1.1230	-.4254	-.2027	-.0905	-.0695	.0037	.0718	.0963	-.2337	-.1137	.0492	-.0755
225.000		.1242	-.3056	-.8131	-.6100	-.4313	-.0769						-.2143	-.1456	-.1725
270.000		.3468	.5509		-.6364	-.2230	-.0464	-.0500			.2396	-.3023	-.2345	-.1981	-.1771
315.000		.6194	.1443	-.5822	-.2943	-.0092	.0258						-.2105	-.0615	.0057

X/LS	.9580
PHI	
.000	.1880
45.000	-.0748
90.000	-.1399
135.000	-.0991
180.000	-.1625
225.000	-.2030
270.000	-.2104
315.000	.0411

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(10) = 7.950 BETAO (11) = 10.200

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0910	.4830	-.0615	-.9253	-.3967	-.1715	-.1231	-.1206	-.0974	-.0685	.0319	-.1626	.0798	.3698	.3539
45.000		.1486	-.2852	-1.1215	-.4478	-.2972							.0049	.1789	.0315
90.000		.0676	-.2643	-.8065	-.5541	-.1200	-.1271	-.1295	-.0841	-.0215	.0798	-.1564	-.0202	.0701	-.0271
135.000		.1100	-.2215	-.9934	-.5108	-.0839							-.0704	.0569	-.0120
180.000	1.0910	.1152	-.1981	-1.0940	-.4254	-.2108	-.0634	-.0870	-.0113	.0634	.0919	-.2437	-.1424	.0283	-.1040
225.000		.1425	-.2997	-.7601	-.6584	-.4798	-.0969						-.2242	-.1627	-.1820
270.000		.3594	.5602		-.5434	-.4210	-.1071	-.1127			.2849	-.3115	-.2358	-.2101	-.2365
315.000		.6296	.1570	-.5089	-.2932	-.0617	.0351						-.1757	-.0088	.2116

X/LS	.9580
PHI	
.000	.2035
45.000	-.0944
90.000	-.1247
135.000	-.1084
180.000	-.1644
225.000	-.2261
270.000	-.2909
315.000	.2062

ALPHAO(11) = 9.990 BETAO (1) = -9.930

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0900	.5672	.0281	-.9035	.0501	.0289	.0774	.0907	.0979	.1265	.2090	-.1799	-.0628	.2235	.1226
45.000		.5003	.0335	-.878.	.0373	.0127							.1048	.4544	.3289
90.000		.2508	-.0905	-.9749	-.1060	-.1219	-.0967	-.0698	-.0167	.0959	.2290	-.0922	.0364	.3430	.1090
135.000		.0519	-.2474	-.6167	-.3424	-.1960							-.0594	.1385	-.0279
180.000	1.0800	.0605	-.2647	-.5933	-.2405	-.2175	-.0240	-.0292	.0482	.1760	.1781	-.2750	-.0872	.0702	-.0660
225.000		.0310	-.3766	-.5244	-.3219	-.4056	.0300						-.1998	.1454	-.0626
270.000		.1553	.5243		-.3340	-.2925	.0522	.0482			.2002	-.3428	-.2857	-.1991	-.1654
315.000		.4492	.0633	-.6999	-.0693	-.0016	.0884						-.2640	-.1268	-.2172

X/LS	.9580
PHI	
.000	.0070
45.000	.1842
90.000	.0820
135.000	-.1525
180.000	-.1625

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(11) = 9.990 BETAO (1) = -9.930

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1518
270.000	-.1850
315.000	-.2499

ALPHAO(11) = 10.010 BETAO (2) = -7.910

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.0860	.5762	.0231	-.9204	.0328	.0162	.0549	.0642	.0827	.1063	.1913	.1617	-.0387	.2188	.1511
45.000		.4694	.0049	-.9129	.0111	-.0278							.0933	.4209	.3083
90.000		.2079	-.1333	-1.0250	-.1362	-.1532	-.1270	-.1077	-.0510	.0696	.2063	-.0992	.0221	.2848	.1450
135.000		.0392	-.2556	-.6354	-.3800	-.1987							-.0507	.1080	-.0407
180.000	1.0860	.0518	-.2716	-.6146	-.2711	-.2286	-.0412	-.0592	.0187	.1333	.1395	-.2750	-.0846	.1233	-.0412
225.000		.0296	-.4137	-.3597	-.3715	-.4594	.0030						-.2033	.1349	-.0868
270.000		.1474	.5276		-.3650	-.2906	.0157	.0248			.1962	-.3345	-.2802	-.1970	-.1617
315.000		.4675	.0714	-.6675	-.0812	-.0036	.0792						-.2562	-.1339	-.1791

X/LS .9580

PHI	
.000	.0369
45.000	.1621
90.000	.0214
135.000	-.1655
180.000	-.1657
225.000	-.1607
270.000	-.1771
315.000	-.2247

ALPHAO(11) = 9.620 BETAO (3) = -5.920

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.890	.9170	.9380
PHI															
.000	1.0840	.5740	.0330	-.9238	.0104	-.0004	.0318	.0409	.0593	.0898	.1629	-.1827	-.0248	.2283	.1746
45.000		.4555	-.0221	-.9397	-.0187	-.0610							.0748	.3707	.2795
90.000		.1711	-.1618	1.0620	-.1629	-.1790	-.1804	-.1429	-.0820	.0493	.1911	-.1181	.0047	.0214	.0919
135.000		.0737	-.2509	-.6479	-.4213	-.1964							-.0545	.0832	-.0435
180.000	1.0840	.0450	-.2616	.6588	-.2668	-.2452	-.0578	-.0693	.0041	.0919	.1240	.2748	-.0872	.1914	-.0004
225.000		.0035	-.4463	-.4054	-.4019	.4893	-.0248						-.1976	.1045	-.0808

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1831)

ALPHAO(11) = 9.920 BETAO (3) = -5.920

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.1514	.5016		-.3971	-.2717	.0097	.0102			.1722	-.3305	-.2754	-.1834	-.1808
315.000		.4859	.0789	-.6372	-.1135	-.0152	.0630						-.2499	-.1248	-.1685

X/LS	.9580
PHI	
.000	.0611
45.000	.1377
90.000	-.0258
135.000	-.1688
180.000	-.1074
225.000	-.1725
270.000	-.1800
315.000	-.2031

ALPHAO(11) = 9.940 BETAO (4) = -5.950

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE C

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0800	.5786	.0313	-.9097	-.0172	-.0089	.0105	.0188	.04 4	.0757	.1484	-.1884	-.0108	.2640	.2102
45.000		.3954	-.0470	-.9536	-.0587	-.0878							.0584	.3401	.2465
90.000		.1384	-.1824	-1.0800	-.1970	-.1913	-.1882	-.1706	-.1087	.0416	.1744	-.1302	-.0094	.1784	.0503
135.000		.0414	-.2357	-.6945	-.4345	-.1747							-.0482	.0821	-.0416
180.000	1.0800	.0544	-.2446	-.7073	-.2937	-.2567	-.0726	-.0692	-.0099	.0784	.1261	-.2584	-.0781	.2104	.0434
225.000		-.0035	-.4454	-.4290	-.4156	-.5003	-.0565						-.1885	.0818	-.1001
270.000		.1578	.5004		-.4067	-.2782	-.0047	.0056			.1793	-.3207	-.2581	-.1881	-.1500
315.000		.5104	.0959	-.6215	-.1273	-.0174	.0544						-.2354	-.1209	-.1428

X/LS	.9580
PHI	
.000	.1001
45.000	.1154
90.000	-.0610
135.000	-.1627
180.000	-.0595
225.000	-.1788
270.000	-.1733
315.000	-.1572

ARC11-716 IA14 01+T12+S12/25+AT10 SRM BOOSTER (RB1831)

ALPHAO(11) = 9.840 BETAO (5) = -1.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0780	.5783	.0225	-.9101	-.0516	-.0349	-.0095	-.0111	.0098	.0429	.1268	-.1821	.0011	.2881	.2389
45.000		.3553	-.0794	-.9903	-.1160	-.1307							.0410	.3015	.2114
90.000		.1078	-.2080	-1.1010	-.2586	-.2047	-.2003	-.2011	-.1293	.0292	.1557	-.1339	-.0201	.1328	.0104
135.000		.0452	-.2405	-.7204	-.4266	-.1613							-.0471	.0723	-.0417
180.000	1.0780	.0592	-.2400	-.7482	-.3410	-.2719	-.0710	-.0714	-.0096	.0819	.1412	-.2382	-.0820	.1937	.0580
225.000		-.0054	-.4522	-.4609	-.4458	-.5030	-.0644						-.1908	.0340	-.1122
270.000		.1720	.4990		-.4309	-.2815	-.0090	-.0052			.1721	-.3111	-.2449	-.1764	-.1490
315.000		.5343	.1246	-.3660	-.1038	-.0196	.0484						-.2274	-.0943	-.1207

X/LS	.9580
PHI	
.000	.1233
45.000	.0837
90.000	-.1016
135.000	-.1629
180.000	-.0493
225.000	-.1939
270.000	-.1728
315.000	-.1326

ALPHAO(11) = 9.880 BETAO (6) = .040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0750	.5763	.0116	-.9112	-.1251	-.0591	-.0337	-.0253	-.0133	.0188	.1151	-.1801	.0004	.2955	.2543
45.000		.3155	-.1136	-1.0180	-.2083	-.1691							.0166	.2747	.1745
90.000		.0802	-.2295	-1.1110	-.3384	-.2128	-.2153	-.2052	-.1194	.0328	.1391	-.1422	-.0234	.0955	-.0208
135.000		.0463	-.2313	-.9666	-.4342	-.1502							-.0467	.0551	-.0436
180.000	1.0750	.0601	-.2330	-.8295	-.3565	-.2991	-.0753	-.0640	.0068	.0837	.1352	-.2441	-.0826	.1701	.0451
225.000		-.0033	-.4518	-.5075	-.4623	-.5103	-.0591						-.1964	-.0250	-.1225
270.000		.1851	.5021		-.4472	-.3142	-.0268	-.0206			.2244	-.2986	-.2528	-.1966	-.1567
315.000		.5591	.1416	-.6378	-.1716	-.0406	.0426						-.2208	-.0955	-.0987

X/LS	.9580
PHI	
.000	.1359
45.000	.0465
90.000	-.1366
135.000	-.1597
180.000	-.0523

ARC11-716 1A14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1331)

ALPHAO(11) = 9.880 BETAO (6) = .040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1989
270.000	-.1785
315.000	-.1118

ALPHAO(11) = 9.960 BETAO (7) = 2.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0710	.5654	.0019	-.9138	-.1841	-.0027	-.0594	-.0358	-.0294	.0051	.1053	-.1675	.0244	.3264	.2702
45.000		.2745	-.1664	-1.0470	- 2676	-.2099							.0099	.2105	.1220
90.000		.0596	-.2446	-1.0420	-.4216	-.2080	-.2088	-.1057	-.0646	.0449	.1230	-.1295	-.0243	.0791	-.0375
135.000		.0495	-.2295	-1.0390	-.4643	-.1334							-.0520	.0505	-.0456
180.000	1.0710	.0672	-.2290	-.9633	-.3677	-.3373	-.0650	-.0536	.0175	.0969	.1110	-.2424	-.0983	.1028	-.0002
225.000		.0019	-.4337	-.5754	-.4541	-.4926	-.0540						-.2085	-.0943	-.1402
270.000		.2022	.5007		-.4544	-.3759	-.1046	-.0709			.2942	-.3096	-.2427	-.1913	-.1404
315.000		.5804	.1500	-.5876	-.1880	-.0491	.0357						-.1977	.0163	-.0195

X/LS .9580

PHI	
.000	.1527
45.000	-.0016
90.000	-.1466
135.000	-.1528
180.000	-.0794
225.000	-.1732
270.000	-.1652
315.000	-.0214

ALPHAO(11) = 9.990 BETAO (8) = 4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.9900	.9170	.9390
PHI															
.000	1.0580	.5691	-.0012	-.9044	-.2219	-.1158	-.0794	-.0575	-.0469	-.0139	.0958	-.1704	.0315	.4057	.3027
45.000		.2404	-.2069	-1.0620	-.2894	-.2304							-.0070	.1814	.0748
90.000		.0286	-.2680	-1.0020	-.4893	-.2136	-.2033	-.1719	-.0659	.0288	.1112	-.1458	-.0377	.0543	-.0528
135.000		.0519	-.2320	-.9947	-.4796	-.1322							-.0729	.0207	-.0605
180.000	1.0580	.0620	-.2243	-.9.21	-.3759	-.3652	-.0429	-.0526	.0217	.0885	.0862	-.2635	-.1309	.0414	-.0550
225.000		-.0026	-.4350	-.5834	-.4471	-.4911	-.0468						-.2127	-.1572	-.1599

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1831)

ALPHAO(11) = 9.990 BETAO (8) = 4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.2147	.4885		-.4464	-.4674	-.1707	-.1128			.3362	-.3000	-.2339	-.2028	-.1861
315.000		.6037	.1647	-.4933	-.2044	-.0663	.0323						-.2080	.0647	.0185

X/LS	.9580
PHI	
.000	.1792
45.000	-.0348
90.000	-.1575
135.000	-.1635
180.000	-.1283
225.000	-.1883
270.000	-.2139
315.000	.0283

ALPHAO(11) = 9.980 BETAO (9) = 6.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0490	.5583	-.0102	-.9994	-.2667	-.1459	-.0999	-.0799	-.0722	-.0404	.0720	-.1606	.0494	.4265	.3250
45.000		.1934	-.2419	-1.0900	-.3653	-.2988							-.0136	.1752	.0508
90.000		.0092	-.2833	-.7661	-.5241	-.1959	-.1666	-.1379	-.0695	.0121	.0926	-.1451	-.0313	.0572	-.0593
135.000		.0573	-.2325	-.8197	-.5017	-.1164							-.0701	.0102	-.0685
180.000	1.0490	.0609	-.2221	-.9707	-.4027	-.3552	-.0404	-.0508	.0099	.0767	.0720	-.2624	-.1317	.0178	-.0737
225.000		.0045	-.4164	-.6891	-.4717	-.4940	-.0520						-.2098	-.1495	-.1666
270.000		.2396	.4849		-.4764	-.5105	-.1952	-.1421			.3264	-.3043	-.2307	-.1942	-.1888
315.000		.6302	.1772	-.3993	-.2094	-.0557	.0389						-.1775	.1452	.1109

X/LS	.9580
PHI	
.000	.1947
45.000	-.0625
90.000	-.1531
135.000	-.1608
180.000	-.1521
225.000	-.2010
270.000	-.2318
315.000	.1026

AP611-716 IA14 01+712+612*25+AT10 SRM BOOSTER (RB1331)

ALPHAO(11) = 10.030 BETAO (10) = 9.170

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0240	.0390	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.0380	.5492	-.0231	-.8990	-.3045	-.1747	-.1255	-.1095	-.1033	-.0643	.0459	-.1549	.0806	.4185	.3421
45.000		.1571	-.2910	-1.1190	-.3753	-.2402							-.0083	.1807	.0319
90.000		-.0110	-.3016	-.7146	-.5524	-.1994	-.1535	-.1451	-.0910	-.0167	.0752	-.1433	-.0358	.0521	-.0457
135.000		.0533	-.2419	-.9225	-.5198	-.1119							-.0772	-.0113	-.0611
180.000	1.0380	.0558	-.2238	-1.0170	-.4364	-.3497	-.0280	-.0692	-.0027	.0604	.0617	-.2466	-.1430	.0134	-.0922
225.000		.0098	-.4122	-.7715	-.5059	-.5089	-.0631						-.2173	-.1619	-.1739
270.000		.2492	.4724		-.5052	-.5547	-.2194	-.1913			.3051	-.3005	-.2431	-.2005	-.2116
315.000		.6528	.1899	-.2914	-.2063	-.0437	.0467						-.1369	.1904	.2279

X/LS	.9580
PHI	
.000	.2006
45.000	-.0946
90.000	-.1597
135.000	-.1537
180.000	-.1686
225.000	-.2173
270.000	-.2706
315.000	.1939

ALPHAO(11) = 10.050 BETAO (11) = 10.230

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.0320	.5414	-.0345	-.8747	-.3327	-.2057	-.1446	-.1427	-.1228	-.0782	.0202	-.1532	.1047	.4804	.3610
45.000		.1141	-.3182	-1.1220	-.5075	-.3938							-.0204	.1917	-.0079
90.000		-.0220	-.3113	-.7098	-.5777	-.1749	-.1599	-.1537	-.1013	-.0298	.0704	-.1600	-.0469	.0535	-.0540
135.000		.0597	-.2381	-.9044	-.5226	-.1023							-.0984	-.0073	-.0701
180.000	1.0320	.0550	-.2209	-1.0530	-.4340	-.3644	-.0505	-.0918	-.0147	.0560	.0523	-.2733	-.1559	-.0238	-.1187
225.000		.0148	-.3965	-.8239	-.5418	-.5105	-.1007						-.2220	-.1754	-.1984
270.000		.2677	.4724		-.5309	-.6194	-.2552	-.2458			.2855	-.3225	-.2508	-.2054	-.2732
315.000		.6694	.2046	-.2013	-.1930	-.0449	.0408						-.0992	.2749	.3154

X/LS	.9580
PHI	
.000	.2048
45.000	-.1304
90.000	-.1512
135.000	-.1621
180.000	-.1969

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1S31)

ALPHAO(11) = 10.050 BETAO (11) = 10.230

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2229
270.000	-.3349
315.000	.2541

APC11-716 1A14 OB+T12+S12N25+AT10 SRM BOOSTER (RB1332) (17 APR 74)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 58.7090 INCHES YMRP = .0000 INCHES
BREF = 58.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.100 ELEVON = .000
RUDDER = .000 SPOBRK = .000

ALPHA(1) = -10.240 BETA (1) = -9.900

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0840	.1150	.1440	.2010	.2670	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2350	.2210	-.0678	-.7734	-.4096	-.3498	.4557	-.5107	-.3778	-.1113	.0720	-.3564	-.2757	-.0816	-.2544
45.000		.2084	-.0657	-.7089	-.5403	-.4854							-.1638	-.1092	-.1089
90.000		.3994	.1341	-.5995	-.7077	-.1347	-.3569	-.4526	-.4092	-.2713	.0590	-.4158	-.0610	.2183	.2623
135.000		.6631	.3225	-.4613	-.2161	.1047							.0923	.4917	.4730
180.000	1.2360	.7595	.3624	-.4238	-.179	-.0153	-.1611	-.3369	.0364	.0240	.3844	.5871	.0081	.3858	.2998
225.000		.6539	.4122	-.3710	.0562	.3758	.1645						-.2713	-.1797	-.1190
270.000		.3445	.0140		-.5141	-.8310	-.8133	-.3677				.0035	-.4134	-.4041	-.3712	-.3541
315.000		.1317	-.2114	-.3134	-.5432	-.7048	-.1877						-.4072	-.3554	-.3481

X/LS	.9580
PHI	
.000	-.3644
45.000	-.1828
90.000	.1695
135.000	.3445
180.000	.1464
225.000	-.2648
270.000	-.3242
315.000	-.3414

ALPHA(1) = -10.220 BETA (2) = -7.890

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2670	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2310	.2047	-.0743	-.7081	-.4686	-.3820	-.4271	-.5721	-.6259	-.1068	.0892	-.3631	-.2902	-.0740	-.2254
45.000		.1863	-.0735	-.7180	-.5635	-.3799							-.1409	-.1033	-.0895
90.000		.3598	.0914	-.6263	-.1816	-.2444	-.4009	-.4877	-.5211	-.2954	.0738	-.4139	-.0372	.1908	.2685
135.000		.6371	.2998	-.4895	.1377	.0567							.0636	.4384	.4526
180.000	1.2310	.7686	.3608	-.4240	.2027	.2457	.0985	-.0801	-.0363	.1963	.3184	-.3636	-.0119	.3387	.2964
225.000		.6699	.421	-.3569	.2439	.2753	.1287						-.2948	-.1845	-.1473
270.000		.3310	.6768		-.5716	-.4100	-.1895	-.0739			.1817	-.4213	-.4063	-.3722	-.3714
315.000		.1700	-.3239	-.5773	-.0791	-.2910	-.1417						-.4099	-.3720	-.3547

X/LS	.9580

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHAO(1) = -10.22° BETAO (2) = -7.890

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
.000	-.3105
45.000	-.1740
90.000	.1655
135.000	.3200
180.000	.1434
225.000	-.2877
270.000	-.3519
315.000	-.3581

ALPHAO(1) = -10.220 BETAO (2) = -5.900

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0741	.1241	.1750	.2241	.2741	.3730	.4880	.6470	.7190	.8330	.8900	.9170	.9390
PHI														
.000	1.2180	.1938	-.0492	-.2065	-.2981	-.3449	-.3819	-.4004	-.5633	-.1754	.0762	-.3523	-.2662	-.0594	-.1906
45.000		.1692	-.1381	-.2479	-.3054	-.3373							-.1257	-.0781	-.0937
90.000		.1775	-.1036	-.1907	-.2611	-.2959	-.4519	-.5249	-.3519	-.2990	.0685	-.4047	-.0287	.1934	.2499
135.000		.4582	.2705	-.0203	-.1211	-.1709							.0533	.4146	.4237
180.000	1.2180	.3781	.3643	-.4746	.3554	.1095	.0569	-.1211	-.0907	.1646	.2620	-.3666	-.0111	.2763	.2917
225.000		.3920	.4100	-.3333	.0236	.2444	.1039						-.2933	-.1561	-.2047
270.000		.3145	.0532		-.6193	-.4306	-.1651	-.0909			.2933	-.4156	-.3986	-.3614	-.3683
315.000		.1611	-.3417	-.5112	-.6172	-.4375	-.1101						-.3903	-.3439	-.3242

X/LS .9580

PHI	
.000	-.2670
45.000	-.1675
90.000	.1485
135.000	.2913
180.000	.1366
225.000	-.2445
270.000	-.3578
315.000	-.3231

A*C11-*16 3*14 C1+*12+S12N25+A*10 SRM BOOSTER (RB1332)

ALPHA(1) = -10.230 BETA(4) = -3.930

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1130	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2070	.1805	-.0893	-.6895	-.4563	-.3686	-.2918	-.2981	.4283	-.2017	.0369	-.3660	-.2547	-.0251	-.14..
45.000		.1527	-.0474	-.7115	-.5561	-.3311							-.1124	-.0328	-.0850
90.000		.2757	.0349	-.6581	-.2005	-.3268	-.1897	-.5550	-.3417	-.2872	.0623	-.3946	-.0184	.1372	.2394
135.000		.5674	.2454	-.5202	.0223	-.5626							.0311	.3263	.4004
180.000	1.2070	.7718	.3552	-.4192	.0244	.1557	.0251	-.1579	-.1279	.1462	.2007	-.0797	-.0413	.1981	.2556
225.000		.6944	.4479	-.2325	.2702	.2442	.0527						-.3166	-.1785	-.2038
270.000		.3039	.4764		-.5546	-.4401	-.1636	-.0009			.3398	-.4095	-.3914	-.3457	-.3283
315.000		.1242	-.3315	-.5877	-.6.47	-.5796	-.0928						-.3702	-.2595	-.2645

X/LS .9580

PHI	
.000	.2192
45.000	-.1437
90.000	.1368
135.000	.2676
180.000	.3201
225.000	-.2497
270.000	-.5247
315.000	-.2497

ALPHA(1) = -10.230 BETA(5) = -1.945

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1130	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1890	.1758	-.0846	-.7045	-.4494	-.3634	-.2813	-.2690	-.0565	-.0591	.0163	-.3493	-.2173	-.0070	-.0856
45.000		.1426	-.0695	-.7191	-.5709	-.2978							-.1221	.0083	-.0715
90.000		.2361	.0046	-.6813	-.2379	-.3782	-.5151	-.6021	-.3563	-.2912	.0899	-.3448	-.0449	.1076	.1883
135.000		.5354	.2251	-.5374	-.0728	-.1324							.0150	.2635	.3435
180.000	1.1890	.7774	.3595	-.4192	.1900	.1157	-.0397	-.2115	-.1398	.1025	.1112	-.3904	-.0664	.1457	.1764
225.000		.7093	.4530	.0005	.2316	.1907	.0495						-.3163	-.1985	-.2366
270.000		.2864	.6181		-.5988	-.4575	-.1569	-.1036			.3345	-.3941	-.3749	-.3185	-.2988
315.000		.1061	-.3527	-.5776	-.6110	-.5502	-.0932						-.3427	-.1878	-.1920

X/LS .9580

PHI	
.000	-.1706
45.000	-.1424
90.000	.1059
135.000	.2324
180.000	.2901

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (R81532)

ALPHA(1) = -10.290 BETA(5) = -1.940

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9590

PHI	
225.000	-.2882
270.000	-.2981
315.000	-.1722

ALPHA(1) = -10.240 BETA(6) = .030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
000	1.1760	.1737	-.0537	- 7095	- 4409	-.3550	-.3239	- 2123	-.0912	-.0005	.0647	-.3482	-.2017	.0433	-.0340
45.000		1386	-.0546	.7181	- 5743	-.0930							-.1394	.0243	-.0403
90.000		3454	-.1009	- 7095	- 5317	-.427	-.4939	-.6333	-.3425	- 2710	.0562	-.3422	-.0648	.0667	.1535
135.000		.4541	.1737	-.5602	.3045	-.3239							.0210	.2088	.2763
180.000	1.1760	.2116	.7611	-.0455	.506	-.5037	-.0105	-.2547	-.1149	.0662	.0317	-.4146	- 1340	.0913	.1072
225.000		7737	.4045	-.451	9315	-.1703	2078						-.3713	-.2362	-.2461
270.000		.2 3	51.7		.1.37	- 3735	-.15 9	-.1080			.2995	-.3976	-.3602	-.3096	-.2802
315.000		7734	- 7.1	-.1576	- 6283	-.5744	-.1029						-.3245	-.1347	-.1468

X/LS .3590

PHI	
.000	-.1231
45.000	-.1345
90.000	.0745
135.000	.1496
180.000	.0323
225.000	- 2890
270.000	-.2789
315.000	-.1348

ALPHA(1) = -10.250 BETA(7) = 2.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
000	1.1590	.1712	-.0548	- 7048	-.4525	- 3436	-.2072	-.1543	-.0952	.0113	.1334	-.3314	-.2388	.1808	.0796
45.000		1403	-.0559	-.7103	-.5666	-.2659							-.1350	.0684	-.0057
90.000		.4338	- 3462	-.7092	-.3691	-.4559	-.4871	-.6609	-.2923	-.1515	.0417	-.3506	-.0716	.0591	.0580
135.000		4578	1291	- 5691	- 1551	-.2681							-.0429	.1817	.1581
180.000	1.1590	.1908	3461	- 6171	.1321	.0259	-.1598	-.3737	-.1496	.0313	.211	-.4199	- 1525	.0224	.0234
225.000		.7440	4934	.0022	.2769	.1541	.0221						- 3210	-.2379	-.2424

AP011-718 TA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHA(1) = -10.250 BETA(1) = 2.040

SECTION 1 SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4890	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.2725	.5720		-.6231	-.4914	.1776	-.1178			.2635	-.3995	-.3601	-.3046	-.2708
315.000		.0753	-.3631	-.5314	-.6322	-.5327	-.1152						-.3169	-.1121	-.1407

X/LS .9561

PHI	
.000	-.0176
45.000	-.1037
90.000	.0220
135.000	.1101
180.000	-.0950
225.000	-.2698
270.000	-.2736
315.000	-.1537

ALPHA(1) = -10.260 BETA(1) = 4.030

SECTION 1 SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4890	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1400	.1417	-.0449	-.6954	-.6776	-.3831	-.1891	-.1311	-.0924	.0155	.1653	-.3058	-.2807	.2203	.1961
45.000		.1201	-.0946	-.7060	-.6915	-.3934							-.1385	.1037	.0081
90.000		.1256	-.0735	-.7018	-.6376	-.4002	-.5152	-.5318	-.2386	-.0938	.0402	-.3784	-.0906	.0140	.0063
135.000		.4094	.0830	-.6061	-.2139	-.7414							-.1110	.0715	.0315
180.000	1.1400	.7577	.3354	-.3751	.0955	-.2197	-.1560	-.3463	-.1846	-.0197	-.0565	-.4291	-.2341	-.0545	-.1190
225.000		.7293	.5755	.2549	.2416	.1422	.0052						-.3282	-.2478	-.2727
270.000		.2205	.1967		-.6269	-.4959	-.1829	-.1171			.2096	-.4071	-.3705	-.3089	-.2768
315.000		.0345	-.6564	-.5431	-.6326	-.5335	-.1332						-.3178	-.1019	-.1333

X/LS .9590

PHI	
.000	.1308
45.000	-.0756
90.000	-.0592
135.000	-.0418
180.000	-.1827
225.000	-.2343
270.000	-.2872
315.000	-.1264

AP011-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHA0(1) = -10.250 BETA0 (9) = 6.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1270	.1282	-.0402	-.6901	-.4643	-.3407	-.1775	-.1103	-.0847	.0215	.1762	-.3051	-.2880	.2267	.2459
45.000		.0181	-.0513	-.7067	-.554[illegible]	-.2475							-.1536	.0830	-.0255
90.000		.0921	-.1171	-.7331	-.4319	-.5309	-.5267	-.4541	-.2662	-.0896	.0805	-.3253	-.1261	-.0147	-.0575
135.000		.3679	.0789	-.6120	-.2693	-.4037							-.1537	-.0443	-.0906
180.000	1.1270	.7504	.5211	-.2352	.0738	-.0613	-.2047	-.3931	-.2804	-.0391	-.0569	-.4059	-.2532	-.0966	-.1911
225.000		.7543	.5271	.3740	.0549	.1724	-.0234						-.3294	-.2625	-.3083
270.000		.1773	.4916		-.6731	-.4346	-.1611	-.1312			.1559	-.4276	-.3748	.3047	-.2768
315.000		.1281	-.3746	-.8458	-.7314	.1330	-.1647						-.3094	-.1141	-.1187

X/LS .9590

PHI

.000	1911
45.000	-.1057
90.000	-.1262
135.000	-.1663
180.000	-.2396
225.000	-.3171
270.000	-.2638
315.000	-.1116

ALPHA0(1) = -10.240 BETA0 (9) = 8.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1070	.1026	-.0471	-.6946	-.4711	-.3420	-.1594	-.0980	-.0861	-.0217	.1737	-.3556	-.2680	.2492	.2954
45.000		.0161	-.0610	-.7044	-.5569	-.2431							-.1779	.1425	.0644
90.000		.0891	-.1231	-.7542	-.4442	-.5076	-.5071	-.3351	-.3390	-.0033	.0319	-.3191	-.1520	.0343	-.0498
135.000		.3597	-.0120	-.6367	-.3298	-.4032							-.2051	-.1319	-.1399
180.000	1.1070	.7383	.5155	-.2854	.0547	-.0021	-.2431	-.4193	-.2810	-.0582	-.0671	-.4123	-.3226	-.2492	-.2453
225.000		.7472	.5257	.3483	.2724	.1226	-.0501						-.3381	-.3041	-.2922
270.000		.1468	.5755		-.6287	-.4388	-.1795	-.1026			.0474	-.4019	-.3443	-.3205	-.3059
315.000		.0421	-.3745	-.8538	-.6373	-.5291	-.1656						-.3086	-.0874	-.1347

X/LS .9590

PHI

.000	2207
45.000	-.0350
90.000	-.1113
135.000	-.1901
180.000	-.2681

(RB1532)

.9900 .9170 .9390

ARC11-716 IA14 G1-T12+S12N25+AT10 SRM BOOSTER (RB1892)

ALPHA(2) = -8.190 BETAD (1) = -9.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L=	.0000	.0240	.0980	.1150	.1440	.2010	.2470	.3730	.4880	.6050	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4136	.3507		-.6399	-.4041	-.2791	-.0601			.1036	-.4004	-.3872	-.3570	-.3319
315.000		.2695	-.1601	-.7319	-.6424	-.5970	-.3548						-.3867	-.3141	-.3479

X/L= .9590

PHI	
0000	-.3420
45.0000	-.1232
90.0000	.0991
135.0000	.3852
180.0000	.1635
225.0000	-.1951
270.0000	-.2748
315.0000	.7463

[illegible]

[illegible]															
[illegible]															
[illegible]		-.1246	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.3219	[illegible]	.1418	.3497	-.0541	-.0586	-.2068
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			-.1553	-.0683	.0311
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1096	-.3750	[illegible]	.2014	.2352
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						.0624	.4201	.4636
[illegible]		.1286	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1617	.3163	-.0044	.3514	.3098
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					-.2553	-.1437	.1205
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		.2673	-.4002	-.3932	.3434	.3474
[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					-.3963	.3289	-.3358

X/L= .9580

PHI	
.0000	-.5018
45.0000	-.1140
90.0000	.1694
135.0000	.3275
180.0000	.1671
225.0000	-.2674
270.0000	-.3278
315.0000	-.3401

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHAO(2) = -8.210 BETAO (3) = -5.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2610	.2378	-.0097	-.6819	-.4823	-.3264	-.2487	-.1972	-.2775	-.0600	.1475	-.3371	-.2315	-.0288	-.1628
45.000		.2373	-.0019	-.6822	-.5237	-.2691							-.1182	-.0516	-.0247
90.000		.3[illegible]	.1207	-.5210	-.3755	-.1870	-.2875	-.4346	-.3128	-.1921	.1156	-.3720	-.0414	.1728	.2883
135.000		.[illegible]990	.2789	-.5304	.0806	.0400							.0464	.3810	.4420
180.000	1.2410	.7099	.3319	-.4577	.2550	.2004	.0622	-.1013	-.1354	.1688	.3106	-.3323	-.0136	.3050	.2971
225.000		.6457	.3920	-.3940	.1794	.2305	.0964						-.2677	-.1226	-.1811
270.000		.3979	.7054		-.6127	-.4395	-.1344	-.0721			.3387	-.4033	-.3774	-.3355	-.3368
315.000		.2210	-.1922	-.6709	-.6239	-.5464	-.0587						-.3697	-.3046	-.2937

X/LS	.9580
PHI	
.000	-.2626
45.000	-.0958
90.000	.1791
135.000	.3078
180.000	.1506
225.000	-.2440
270.000	-.3329
315.000	-.3010

ALPHAO(2) = -8.220 BETAO (4) = -1.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2410	.2054	-.0097	-.6716	-.4579	-.2900	-.1803	-.1612	-.2733	-.1425	.1697	-.3406	-.2183	.0395	-.0792
45.000		.1975	.0010	-.6778	-.5381	-.2189							-.1146	.0015	-.0390
90.000		.2949	.0709	-.6458	-.3607	-.2604	-.3317	-.4701	-.3319	-.1799	.1130	-.3232	-.0260	.1325	.2291
135.000		.5216	.2267	-.5566	.0041	-.0737							.0270	.2722	.3698
180.000	1.2410	.6927	.3335	-.4409	.1828	.1166	-.0190	-.1789	-.2015	.1078	.1548	-.3701	-.0500	.1569	.2092
225.000		.6424	.4164	-.3342	.1849	.1905	.0567						-.2968	-.1713	-.2135
270.000		.3488	.6801		-.5994	-.4593	-.1301	-.0797			.3363	-.3811	-.3539	-.2983	-.2660
315.000		.1747	-.2066	-.8190	-.6074	-.5140	-.0529						-.3165	-.1403	-.1593

X/LS	.9580
PHI	
.000	-.1685
45.000	-.0954
90.000	.1447
135.000	.2559
180.000	.1213

ARC11-716 1A14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1532)

ALPHAO(2) = -8.220 BETAO (4 = -1.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2704
270.000	-.2686
315.000	-.1495

ALPHAO(2) = -8.150 BETAO (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2300	.1962	-.0045	-.6702	-.4462	-.2790	-.1531	-.1345	-.1306	.0039	.1189	-.3167	-.1879	.0595	-.0391
45.000		.1985	.0064	-.6762	-.5506	-.2057							-.1082	.0312	-.0202
90.000		.2706	.0609	-.6694	-.5291	-.2061	-.3620	-.4243	-.3131	-.1927	.1171	-.3036	-.0382	.0982	.1879
135.000		.4942	.1929	-.5765	-.0572	-.1303							-.0076	.2199	.2999
180.000	1.2300	.6992	.3267	-.4397	.1469	.0721	-.0540	-.2271	-.2248	.0692	.0832	-.3825	-.1086	.1219	.1423
225.000		.6593	.4317	-.2003	.1917	.1536	.0263						-.3127	-.2141	-.2144
270.000		.5201	.5672		-.6109	-.4721	-.1274	-.0847			.3073	-.3765	-.3399	-.2881	-.2539
315.000		.1402	-.2139	-.6114	-.6147	-.5075	-.0805						-.2979	-.0744	-.1361

X/LS .9580

PHI	
.000	-.1198
45.000	-.0982
90.000	.1058
135.000	.2092
180.000	.0654
225.000	-.2560
270.000	-.2604
315.000	-.1384

ALPHAO(2) = -9.190 BETAO (6) = 2.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2170	.1818	-.0027	-.6680	-.4313	-.2728	-.1341	-.1068	-.0933	.0261	.1817	-.2919	-.2001	.2115	.0742
45.000		.1839	.0100	-.6749	-.5455	-.1936							-.1044	.0709	.0206
90.000		.2479	.0271	-.6724	-.3390	-.3294	-.3740	-.4090	-.2674	-.1233	.1089	-.2983	-.0519	.0890	.1066
135.000		.4640	.1514	-.5911	-.1194	-.2044							-.0229	.2057	.2236
180.000	1.2170	.6969	.3209	-.4375	.1061	.0290	-.0928	-.2807	-.1863	.0363	.0726	-.3960	-.1550	.0879	.0397
225.000		.6671	.4435	-.0560	.1943	.1406	.0328						-.3021	-.2100	-.2146

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (R81S32)

ALPHAO(2) = -8.190 BETAO (6) = 2.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4890	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3235	.6653		-.6143	-.4814	-.1523	-.0943			.2718	-.3742	-.3333	-.2870	-.2509
315.000		.1548	-.2161	-.6019	-.6202	-.5096	-.0775						-.2865	-.0801	-.1401

X/LS .9580

PHI	
.000	-.0249
45.000	-.0756
90.000	.0583
135.000	.1430
180.000	-.0532
225.000	-.2491
270.000	-.2597
315.000	-.1561

ALPHAO(2) = -8.240 BETAO (7) = 4.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4890	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1890	.1420	-.0090	-.6773	-.4430	-.2703	-.1238	-.0974	-.0798	.0183	.1983	-.2810	-.2717	.2610	.2107
45.000		.1531	.0018	-.6854	-.3508	-.1917							-.1459	.1283	.0337
90.000		.1819	-.0028	-.6846	-.3595	-.3733	-.3935	-.3938	-.3018	-.0686	.0929	-.3432	-.0787	.0540	.0380
135.000		.3906	.1100	-.6217	-.1739	-.2833							-.0981	.0904	.0657
180.000	1.1890	.3500	.3302	-.4312	.0952	-.0179	-.1427	-.3324	-.1572	.0000	-.0197	-.4135	-.2454	-.0874	-.1218
225.000		.6184	.4677	.1542	.2091	.1104	.0311						-.3070	-.2748	-.2550
270.000		.2099	.6282		-.6407	-.3021	-.1792	-.1098			.2109	-.3714	-.3230	-.3022	-.2889
315.000		.0621	-.2209	-.5598	-.6506	-.5090	-.1194						-.3000	-.0958	-.1605

X/LS .9580

PHI	
.000	.1414
45.000	-.0411
90.000	-.0279
135.000	.0088
180.000	-.1751
225.000	-.2894
270.000	-.2947
315.000	-.1587

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1S32)

ALPHAO(2) = -8.220 BETAO (8) = 6.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1810	.0993	-.0016	-.6732	-.4341	-.2773	-.1173	-.0739	-.0713	.0177	.2185	-.2822	-.2659	.2446	.2581
													-.1727	.1579	.0232
45.000		.1245	.0012	-.6797	-.5552	-.1803									
90.000		.1598	-.0235	-.7013	-.3752	-.3960	-.3815	-.3473	-.1881	-.0514	.1136	-.3117	-.1164	.0404	-.0080
													-.1511	-.0473	-.0850
135.000		.3641	.0728	-.6372	-.2311	-.3473									
180.000	1.1810	.6535	.3196	-.4401	.0540	-.0901	-.1979	-.3730	-.2159	-.0259	-.0240	-.3989	-.2813	-.1761	-.1787
													-.3165	-.2741	-.2643
225.000		.6107	.5090	.2153	.2104	.1100	-.0250								
270.000		.1422	.6490		-.6313	-.3041	-.1792	-.1063			.1598	-.3748	-.3323	-.3082	-.2813
													-.2394	-.0801	-.1330
315.000		.0154	-.2019	-.5359	-.6354	-.5034	-.1334								

X/LS	.9580
PHI	
.000	.1[illegible]
45.000	-.[illegible]34
90.000	-.0732
135.000	-.1333
180.000	-.2129
225.000	-.2774
270.000	-.2964
315.000	-.1260

ALPHAO(2) = -8.230 BETAO (9) = 8.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2050	.0617	-.0026	-.6753	-.4117	-.2770	-.1087	-.0575	-.0790	.0309	.2284	-.3164	-.2204	.2822	.3191
													-.1606	.2704	.1494
45.000		.0972	-.0013	-.6810	-.5184	-.1900									
90.000		.1249	-.0466	-.7165	-.3945	-.4184	-.3591	-.3401	-.2173	-.0319	.0802	-.3009	-.1199	.1191	.0083
													-.1745	-.0797	-.0991
135.000		.3256	.0273	-.6605	-.2827	-.4286									
180.000	1.2050	.6620	.3137	-.4628	.0351	-.1025	-.2439	-.4153	-.2243	-.0269	-.0342	-.3874	-.2875	-.2113	-.2243
													-.3231	-.2976	-.2772
225.000		.6248	.5320	.2732	.2269	.0998	-.0489								
270.000		.0894	.6304		-.6206	-.5083	-.1657	-.1091			.0861	-.3835	-.3267	-.3087	-.2943
													-.2892	-.0640	-.1240
315.000		-.0165	-.2244	-.4893	-.6264	-.5078	-.1359								

X/LS	.9580
PHI	
.000	.2283
45.000	.0467
90.000	-.0565
135.000	-.1568
180.000	-.2654

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (R81332)

ALPHAO(2) = -8.230 BETAO (9) = 8.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9590

PHI	
225.000	-.2974
270.000	-.3003
315.000	-.1187

ALPHAO(2) = -8.240 BETAO (10) = 10.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1990	.0222	-.0008	-.6735	-.4246	-.2703	-.0955	-.0648	-.0964	.0423	.2407	-.3491	-.2018	.3211	.3372
45.000		.0748	-.0010	-.6777	-.5598	-.1752							-.1169	.3521	.2455
90.000		.0916	-.0696	-.7053	-.4131	-.4173	-.3671	-.3922	-.0324	-.0080	.0575	-.2781	-.0988	.1369	.0264
135.000		.2925	-.0180	-.0758	-.3401	-.4021							-.1947	-.0518	-.1110
180.000	1.1990	.6697	.3048	-.3737	.0116	-.1352	-.2677	-.4414	-.1272	-.0422	-.0450	-.3899	-.2933	-.2261	-.2550
225.000		.6212	.5570	.3148	.2424	.0209	-.0967						-.3314	-.2898	-.2864
270.000		.0497	.6155		-.6000	-.5137	-.1537	-.1254			-.0028	-.3958	-.3289	-.3073	-.2950
315.000		-.0619	-.2542	-.4395	-.6037	-.4997	-.1405						-.2765	-.0509	-.1270

X/LS .9580

PHI	
.000	.2318
45.000	.1374
90.000	-.0528
135.000	-.1611
180.000	-.2021
225.000	-.3043
270.000	-.3085
315.000	-.1119

ALPHAO(3) = -8.210 BETAO (1) = -10.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3040	.3089	.0230	-.6712	-.5142	-.3170	-.2403	-.1437	-.1598	-.0147	.2061	-.3018	-.2543	-.1119	-.2310
45.000		.3389	.0588	-.6485	-.4556	-.2141							-.2771	-.0432	.0263
90.000		.5001	.2301	-.5639	-.3011	-.0120	-.1341	-.2890	-.2058	-.0779	.1525	-.3085	-.0615	.2252	.3333
135.000		.6329	.3196	-.5173	-.2009	.1791							.0774	.4501	.4981
180.000	1.3040	.6469	.2990	-.5271	.1119	.2942	.1565	-.0129	-.0664	.2377	.4409	-.2972	.0952	.3643	.3341
225.000		.5959	.3311	-.4543	-.4377	.2967	.1629						-.2184	-.1537	-.1175

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHAO(3) = -6.210 BETAO (1) = -10.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4631	.6020		-.6079	-.4106	-.1257	-.0478			.1815	-.3920	-.3748	-.3298	-.2922
315.000		.3298	-.0917	-.7047	-.6141	-.5474	-.0220						-.3603	-.2487	-.3282

X/LS	.9580
PHI	
.000	-.3107
45.000	-.0572
90.000	.2270
135.000	.3560
180.000	.1705
225.000	-.2231
270.000	-.2789
315.000	-.3269

ALPHAO(3) = -6.220 BETAO (2) = -7.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2980	.2931	.0276	-.6698	-.4962	-.3065	-.2205	-.1249	-.1608	-.0221	.2056	-.3028	-.2442	-.0755	-.2104
45.000		.3158	.0562	-.6513	-.4776	-.1867							-.2167	-.0295	.0283
90.000		.4616	.2043	-.5851	-.3382	-.0669	-.1696	-.3124	-.2333	-.0862	.1587	-.3256	-.0575	.1970	.3176
135.000		.6022	.2991	-.5340	-.2269	.1296							.0560	.3942	.4695
180.000	1.2980	.6410	.2983	-.5235	.1202	.2419	.1095	-.0573	-.0921	.2047	.4010	-.2859	-.0009	.3359	.3224
225.000		.6027	.3371	-.4441	-.4013	.2591	.1164						-.2318	-.1250	-.1093
270.000		.4564	.7827		-.5915	-.4326	-.1242	-.0557			.3204	-.3879	-.3625	-.3198	-.3087
315.000		.3144	-.0824	-.7045	-.5956	-.5395	-.0275						-.3568	-.2758	-.3017

X/LS	.9580
PHI	
.000	-.2894
45.000	-.0467
90.000	.2132
135.000	.3287
180.000	.1729
225.000	-.2462
270.000	-.3041
315.000	-.3115

ARC11-718 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1532)

ALPHAO(3) = -8.230 BETAO (3) = -5.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2930	.2787	.0289	-.5688	-.4769	-.2965	-.1874	-.1166	-.1621	-.0287	.1948	-.2961	-.2168	-.0417	-.1622
													-.1465	-.0060	.0361
45.000		.2922	.0556	-.6590	-.4941	-.1532									
90.000		.4262	.1713	-.6064	-.3699	-.1072	-.2008	-.3161	-.2535	-.0953	.1587	-.3351	-.0379	.1871	.3111
135.000		.5793	.2804	-.5437	-.2416	.0721							.0522	.3566	.4476
180.000	1.2930	.6439	.3019	-.5173	.1049	.2022	.0650	-.0922	-.1202	.1774	.3544	-.3035	-.0009	.3137	.3099
225.000		.6121	.3437	-.4339	-.3511	.2234	.0862						-.2432	-.0956	-.1575
270.000		.4497	.7676		-.5782	-.4600	-.1224	-.0560			.3719	-.3867	-.3555	-.3121	-.3044
315.000		.2952	-.0972	-.7079	-.8959	-.5345	-.0344						-.3471	-.2538	-.2585

X/LS	.9590
PHI	
.000	-.2474
45.000	-.0346
90.000	.2059
135.000	.3775
180.000	.1642
225.000	-.2332
270.000	-.3041
315.000	-.2760

ALPHAO(3) = -6.120 BETAO (4) = -1.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2750	.2589	.0308	-.6496	-.4342	-.2824	-.1278	-.1021	-.1485	-.1063	.1181	-.3001	-.1929	.0487	-.0588
													-.1252	.0403	.0260
45.000		.2593	.0530	-.6571	-.5090	-.1290									
90.000		.3549	.1198	-.6287	-.4209	-.1612	-.2293	-.2799	-.2519	-.0944	.1559	-.2831	-.0248	.1758	.2512
135.000		.5150	.2232	-.5759	-.1574	-.0220							.0347	.2910	.3711
180.000	1.2750	.6326	.2999	-.4990	.1383	.1193	-.0062	-.1647	-.1796	.1178	.2256	-.3342	-.0309	.1927	.2149
225.000		.6224	.3650	-.3926	-.1065	.1624	.0436						-.2798	-.1518	-.2000
270.000		.4333	.7507		-.5557	-.4902	-.1239	-.0616			.3523	-.3650	-.3339	-.2825	-.2446
315.000		.2665	-.1006	-.6947	-.5608	-.5069	-.0436						-.2947	-.1258	-.1495

X/LS	.9580
PHI	
.000	-.1503
45.000	-.0302
90.000	.1669
135.000	.2580
180.000	.1268

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1832)

ALPHAO(3) = -6.120 BETAO (4) = -1.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2629
270.000	-.2462
315.000	-.1467

ALPHAO(3) = -6.130 BETAO (5) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2600	.2407	.0347	-.6514	-.4636	-.2362	-.0950	-.0836	-.1082	-.0094	.1635	-.2834	-.1891	.0852	-.0258
45.000		.2403	.0867	-.6558	-.5127	-.1368							-.1048	.0535	.0252
90.000		.3101	.1011	-.6377	-.4205	-.1830	-.2379	-.2 [illegible]	-.2342	-.0902	.1576	-.2719	-.0372	.1374	.1951
135.000		.4295	.2113	-.5058	-.0913	-.1782							.0056	.2211	.2942
180.000	1.2600	.6009	.3001	-.4752	.1361	.0773	.0380	-.2011	-.1895	.0921	.1609	-.3479	-.0597	.1409	.1591
225.000		.5722	.3923	-.3993	.1009	.1403	.0415						-.3043	-.1877	-.2050
270.000		.3570	.2622		-.5361	-.4871	-.1273	-.0744			.3104	-.3659	-.3210	-.2795	-.2412
315.000		.2333	-.0979	-.7046	-.5080	-.4350	-.0552						-.2825	-.0890	-.1502

X/LS .9580

PHI	
.000	-.1046
45.000	-.0407
90.000	.1246
135.000	.2063
180.000	.0753
225.000	-.2606
270.000	-.2433
315.000	-.1420

ALPHAO(3) = -6.120 BETAO (6) = 2.030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2410	.2068	.0371	-.6587	-.4821	-.2172	-.0915	-.0645	-.0848	-.01[illegible]	.2137	-.2659	-.1924	.2645	.0971
45.000		.2234	.0552	-.6574	-.5172	-.1368							-.0865	.0912	.0573
90.000		.2687	.0836	-.6504	-.4410	-.2112	-.2199	-.2835	-.2003	-.07[illegible]	.1573	-.2614	-.0318	.1160	.1347
135.000		.4117	.1719	-.6015	-.1244	-.1394							-.0032	.2002	.2268
180.000	1.2410	.5716	.3006	-.4637	.0976	.0309	-.0643	-.2596	-.1700	.0507	.0912	-.3545	-.1106	.1405	.0693
225.000		.5404	.4004	-.3451	.0881	.1183	.0236						-.2910	-.1616	-.2012

AP011-716 TA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1S32)

ALPHAO(3) = -6.120 BETAO (6) = 3.030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		*4	.7529		-.6274	-.4972	-.1321	-.0866			.2750	-.3617	-.3054	-.2613	-.2271
315.000		.1621	-.0651	-.6990	-.6284	-.4911	-.0733						-.2982	-.0775	-.1377

X/LS .9580

PHI	
.000	.0086
45.000	-.0358
90.000	.0749
135.000	.1485
180.000	-.0279
225.000	-.2393
270.000	-.2580
315.000	-.1395

ALPHAO(3) = -6.110 BETAO (7) = 4.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2220	.1630	.0385	-.6629	-.5049	-.1912	-.0845	-.0555	-.0679	.0321	.2271	-.2599	-.2293	.2235	.2062
45.000		.1952	.0490	-.6629	-.5238	-.1286							-.1318	.1670	.0676
90.000		.2341	.0609	-.6952	-.4479	-.0346	-.2149	-.2771	-.1650	-.0229	.1430	-.2766	-.0477	.0838	.0794
135.000		.3631	.1308	-.6327	-.1575	-.2093							-.0528	.1214	.1068
180.000	1.2220	.5414	.3055	-.4638	.0695	-.0077	-.1175	-.2758	-.1231	.0291	.0325	-.3977	-.1099	-.0138	-.0955
225.000		.5262	.4083	-.2836	.1461	.0095	-.0210						-.2927	-.2509	-.2411
270.000		.2839	.7004		-.6594	-.5125	-.1414	-.0990			.2306	-.3576	-.3004	-.2801	-.2617
315.000		.1117	-.0514	-.6965	-.6470	-.4595	-.1023						-.2685	-.0707	-.1462

X/LS .9580

PHI	
.000	.1412
45.000	-.0037
90.000	.0002
135.000	.0468
180.000	-.1540
225.000	-.2560
270.000	-.2725
315.000	-.1372

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (R81332)

ALPHA0(3) = -6.190 BETA0 (8) = 6.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2270	.0869	.0306	-.6599	-.4746	-.1610	-.0821	-.0433	-.0543	.0325	.2321	-.2580	-.2462	.2517	.2669
45.000		.1452	.0393	-.6583	-.5236	-.1117							-.2011	.2999	.1406
90.000		.1789	.0396	-.6728	-.4300	-.2609	-.2058	-.2516	-.1440	-.0145	.1462	-.2844	-.0832	.1353	.0569
135.000		.3017	.1112	-.6322	-.2020	-.2790							-.1112	.0238	-.0084
180.000	1.2270	.5040	.3197	-.4407	.0517	-.0482	-.1745	-.3117	-.1543	.0021	.0112	-.3746	-.2163	-.0973	-.1481
225.000		.4793	.4283	.0989	.1817	.0684	-.0505						-.2978	-.2597	-.2516
270.000		.1438	.7204		-.6348	-.5167	-.1594	-.1080			.1819	-.3595	-.3099	-.2890	-.2641
315.000		.0255	-.0360	-.6712	-.6263	-.3860	-.1237						-.2683	-.0484	-.1051

X/LS	.9590
PHI	
.000	.1898
45.000	.0539
90.000	-.0160
135.000	-.0855
180.000	-.2115
225.000	-.2751
270.000	-.2803
315.000	-.1035

ALPHA0(3) = -6.190 BETA0 (9) = 9.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2280	.0418	.0322	-.6614	-.4121	-.1372	-.0773	-.0314	-.0654	.0301	.2329	-.2686	-.2192	.2662	.3091
45.000		.0985	.0322	-.6619	-.5344	-.1098							-.1943	.3554	.2808
90.000		.1359	.0307	-.6831	-.3977	-.2706	-.2069	-.2450	-.1891	-.0092	.1281	-.2710	-.0812	.1704	.0653
135.000		.2612	.0915	-.6464	-.2460	-.3492							-.1314	-.0115	-.0518
180.000	1.2280	.4816	.3278	-.4346	.0421	-.0878	-.2167	-.3579	-.1657	-.0018	-.0046	-.3617	-.2380	-.1616	-.2026
225.000		.4514	.4425	.1952	.2100	.0587	-.0680						-.3036	-.2693	-.2629
270.000		.0855	.6942		-.6271	-.5265	-.1640	-.1111			.1291	-.3704	-.3162	-.2935	-.2713
315.000		-.0143	-.0391	-.6258	-.6132	-.3273	-.1158						-.2621	-.0423	-.0883

X/LS	.9590
PHI	
.000	.2208
45.000	.1822
90.000	-.0051
135.000	-.1154
180.000	-.2591

APC11-716 TA14 O1+T12+S12M25+AT10 SRM BOOSTER (RB1532)

ALPHAO(3) = -6.190 BETAO (9) = 8.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2890
270.000	-.2883
315.000	-.0711

ALPHAO(3) = -6.170 BETAO (10) = 10.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4890	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2140	.0022	.0261	-.6511	-.5734	-.4275	-.2573	-.0404	-.0964	.0419	.2336	-.2546	-.1923	.3410	.2913
45.000		.0549	.0269	-.6677	-.5335	-.4033							-.1549	.3793	.3197
90.000		.1087	-.0010	-.6316	-.4945	-.2748	-.2245	-.0764	-.0817	.0092	.1107	-.2577	-.0492	.1689	.0719
135.000		.2110	.0454	-.6914	-.5183	-.4174							-.1516	.0365	-.0622
180.000	1.2140	.4455	.3325	-.6420	-.4995	-.4235	-.2560	-.0498	-.0402	-.0110	-.0931	-.3522	-.2578	-.1752	-.2366
225.000		.4169	.4709	.2036	.0375	.0465	-.0704						-.3104	-.2745	-.2740
270.000		.0174	.6519		-.4984	-.4210	-.1557	-.1273			.3922	-.3779	-.3224	-.2941	-.2744
315.000		-.0762	-.0541	-.5277	-.5211	-.3113	-.1145						-.2525	-.0414	-.0979

X/LS .9580

PHI	
.000	.1944
45.000	.2105
90.000	.0003
135.000	-.1182
180.000	-.2829
225.000	-.2935
270.000	-.2955
315.000	-.0973

ALPHAO(4) = -4.240 BETAO (1) = -10.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4890	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3150	.3459	.0506	-.6679	-.5243	-.3943	-.1963	-.0794	-.0941	.0246	.2476	-.2876	-.2835	.1179	-.1950
45.000		.3907	.1015	-.6339	-.4870	-.3726							-.3319	.0159	.0753
90.000		.5225	.2349	-.5964	-.2979	-.0140	-.0740	-.1733	-.1382	.0136	.2011	-.2605	-.1041	.2476	.3424
135.000		.7941	.2783	-.5476	-.2644	-.1819							.0507	.4095	.4755
180.000	1.3150	.8765	.2542	-.5795	-.2392	-.2026	-.1814	-.0165	-.0422	.2456	.4567	-.2715	-.0044	.3383	.3285
225.000		.8147	.2334	-.5922	-.2527	-.2033	-.1615						-.0245	-.1592	-.1349

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1S32)

ALPHAO(4) = -4.240 BETAO (1) = -10.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4922	.8340		-.5975	-.4653	-.1122	-.0394			.2657	-.3953	-.3703	-.3258	-.2780
315.000		.3791	-.0046	-.6672	-.5975	-.5221	-.0003						-.3448	-.2220	-.3076

X/LS	.9580
PHI	
.000	-.2666
45.000	-.0023
90.000	.2407
135.000	.3742
180.000	.1675
225.000	-.2114
270.000	-.2752
315.000	-.3201

ALPHAO(4) = -4.270 BETAO (2) = -8.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3110	.3941	.0589	-.6605	-.5041	-.2893	-.1591	-.0884	-.0958	.0171	.2455	-.2784	-.2493	-.0736	-.1726
45.000		.3756	.1056	-.6332	-.4491	-.1274							-.2487	.0476	.0860
90.000		.4959	.2120	-.5769	-.3755	-.0063	-.0961	-.1419	-.1621	.0055	.2101	-.2668	-.0452	.2389	.3362
135.000		.5153	.2755	-.4551	-.2103	.1531							.0618	.3705	.4606
180.000	1.3110	.5749	.2524	-.5701	-.1862	.2330	.1169	-.0535	-.0739	.2166	.4275	-.2642	-.0030	.3141	.3231
225.000		.5638	.2917	-.4009	-.4832	.3516	.1210						-.2246	-.1308	-.1103
270.000		.4010	.0224		-.5712	-.4015	-.1103	-.0486			.3607	-.3765	-.3504	-.3049	-.2640
315.000		.3726	-.0034	-.6647	-.5699	-.5036	-.0034						-.3331	-.2400	-.2747

X/LS	.9580
PHI	
.000	-.2443
45.000	.0065
90.000	.2355
135.000	.3224
180.000	.1790
225.000	-.2197
270.000	-.2809
315.000	-.2931

AR011-716 IA14 01+712+S12N25+A710 SRM BOOSTER (RB1532)

ALPHA0(4) = -4.290 BETA0 (3) = -5.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3070	.3291	.0529	-.6565	-.4382	-.2762	-.1241	-.0930	-.0978	.0045	.2260	-.2665	-.2180	-.0372	-.1380
45.000		.3523	.0976	-.6393	-.4613	-.1042							-.1898	.0892	.0929
90.000		.4541	.1905	-.5940	-.3577	-.0334	-.1125	-.1531	-.1815	-.0090	.2091	-.2678	-.0248	.2412	.5205
135.000		.5475	.2512	-.5567	-.2319	.1111							.0725	.3579	.4354
180.000	1.3070	.5812	.2553	-.5672	-.1556	.2021	.0924	-.0335	-.1116	.1874	.3909	-.2753	.0199	.3128	.3071
225.000		.5720	.2326	-.4921	-.4456	.2163	.0904						-.2209	-.0793	-.1424
270.000		.4907	.8143		-.5569	-.4981	-.1130	-.0481			.3977	-.3669	-.3354	-.2878	-.2766
315.000		.3590	-.0060	-.6690	-.5542	-.5019	-.0153						-.3202	-.2128	-.2356

X/LS .9590

PHI	
.000	-.2081
45.000	.0166
90.000	.2187
135.000	.3010
180.000	.1714
225.000	-.2200
270.000	-.2703
315.000	-.2997

ALPHA0(4) = -4.250 BETA0 (4) = -3.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3040	.3230	.0702	-.6406	-.4633	-.2573	-.0949	-.0839	-.0933	-.0027	.1944	-.2630	-.1971	-.0071	-.0891
45.000		.3410	.0983	-.6375	-.4724	-.0987							-.1693	.0833	.1031
90.000		.4265	.1732	-.6044	-.3823	-.0305	-.1178	-.1592	-.1804	-.0189	.2127	-.2521	-.0256	.2310	.5018
135.000		.5221	.2359	-.5746	-.2351	.0935							.0620	.3374	.4045
180.000	1.3040	.5747	.2555	-.5608	-.1290	.1612	.0606	-.1130	-.1427	.1608	.3481	-.2898	.0098	.2671	.2800
225.000		.5809	.3020	-.4659	-.3997	.1623	.0784						-.2725	-.1158	-.1527
270.000		.4936	.8107		-.5561	-.5033	-.1209	-.0496			.3902	-.3580	-.3242	-.2877	-.2369
315.000		.3566	-.0057	-.6642	-.5566	-.4935	-.0245						-.2922	-.1389	-.1634

X/LS .9580

PHI	
.000	-.1587
45.000	.0317
90.000	.2058
135.000	.2775
180.000	.1470

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1532)

ALPHAO(4) = -4.250 BETAO (4) = -3.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2130
270.000	-.2358
315.000	-.2192

ALPHAO(4) = -4.240 BETAO (5) = -1.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2930	.3164	.0677	-.6343	-.4414	-.2398	-.0724	-.0688	-.0946	-.0112	.1809	-.2750	-.1713	.0232	-.0474
45.000		.3202	.0958	-.6395	-.4749	-.0715							-.1455	.0964	.1030
90.000		.3907	.1539	-.6143	-.4024	-.0619	-.1272	-.1756	-.1782	-.0274	.2209	-.2789	-.0488	.2142	.2730
135.000		.5010	.2189	-.5826	-.3066	.0255							.0430	.2959	.3626
180.000	1.2930	.5902	.2528	-.5556	-.1917	.1249	.0222	-.1438	-.1691	.1282	.2992	-.2998	-.0022	.2288	.2342
225.000		.5894	.3094	-.4523	-.3479	.1555	.0526						-.2588	-.1115	-.1674
270.000		.4917	.3010		-.5333	-.4950	-.1179	-.0582			.3539	-.3491	-.3096	-.2619	-.2224
315.000		.3467	-.0043	.6632	-.5312	-.4834	-.0367						-.2781	-.1159	-.1559

X/LS .9580

PHI	
.000	-.1188
45.000	.0410
90.000	.1843
135.000	.2494
180.000	.1339
225.000	-.2396
270.000	-.2235
315.000	-.1897

ALPHAO(4) = -4.220 BETAO (6) = .020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2860	.3030	.0691	-.6433	-.4331	-.2387	-.0564	-.0484	-.0824	.0185	.1955	-.2674	-.1714	.0650	.0000
45.000		.3037	.0910	-.6394	-.4809	-.0698							-.1260	.1076	.1094
90.000		.3631	.1367	-.6231	-.4250	-.0797	-.1260	-.1846	-.1722	-.0167	.2104	-.2331	-.0602	.1926	.2381
135.000		.4705	.2015	-.5927	-.3079	-.0244							.0123	.2556	.3169
180.000	1.2860	.5753	.2590	-.5511	-.1870	.0849	-.0010	-.1704	-.1789	.0993	.2412	-.3283	-.0618	.1528	.1687
225.000		.5900	.3245	-.4313	-.3102	.1309	.0590						-.2984	-.1831	-.1885

ARC1I-716 1A14 C1+T12+S12M25+AT1C SRM BOOSTER (RB1332)

ALPHAO(4) = -4.220 BETAO (6) = .020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1160	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4792	.7332		-.5368	-.5012	-.1299	-.0628			.3272	-.3559	-.3040	-.2699	-.2227
315.000		.3297	.0003	-.6594	-.5368	-.4788	-.0610						-.2759	-.1055	-.1639

X/LS	.9580
PHI	
.000	-.0765
45.000	.0385
90.000	.1600
135.000	.2188
180.000	.0871
225.000	-.2401
270.000	-.2191
315.000	-.1667

ALPHAO(4) = -4.290 BETAO (7) = 2.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1160	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2720	.2662	.0737	-.6465	-.4422	-.2385	-.0525	-.0374	-.0784	.0384	.2283	-.2553	-.1975	.2728	.1426
45.000		.2954	.0868	-.6403	-.4881	-.0795							-.0881	.1456	.1177
90.000		.3308	.1176	-.6338	-.4460	-.0985	-.1253	-.1931	-.1642	.0155	.1867	-.2362	-.0340	.1631	.1763
135.000		.4302	.1721	-.6042	-.2830	-.0926							.0009	.1978	.2117
180.000	1.2720	.5497	.2599	-.5411	-.0686	.0434	-.0259	-.2050	-.1541	.0854	.1606	-.3327	-.0898	.1169	.0842
225.000		.5844	.3327	-.3910	-.2182	.1096	.0257						-.2810	-.1818	-.1901
270.000		.4511	.8070		-.5676	-.5072	-.1519	-.0768			.2944	-.3474	-.2883	-.2477	-.2108
315.000		.3183	.0054	-.6473	-.5515	-.4674	-.0897						-.2436	-.0900	-.1454

X/LS	.9580
PHI	
.000	.0506
45.000	.0287
90.000	.0906
135.000	.1274
180.000	-.0260
225.000	-.2300
270.000	-.2196
315.000	-.1231

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHAO(4) = -4.310 BETAO (8) = 4.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LB	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2450	.2536	.0747	-.6447	-.4651	-.2098	-.0569	-.0325	-.0570	.0366	.2483	-.2455	-.2193	.2065	.2013
45.000		.2569	.0706	-.6442	-.4944	-.0880							-.1269	.2702	.1559
90.000		.2774	.0957	-.6439	-.4635	-.1202	-.1146	-.1938	-.1363	.0164	.1922	-.2412	-.0433	.1317	.1215
135.000		.3649	.1516	-.6185	-.2780	-.1417							-.0349	.1224	.1169
180.000	1.2450	.4913	.2721	-.5193	-.0020	.0027	-.0781	-.2303	-.1111	.0497	.0898	-.3559	-.1504	.0304	-.0646
225.000		.5027	.3455	-.3925	-.0559	.0798	-.0020						-.2685	-.2315	-.2227
270.000		.3359	.6138		-.6253	-.5168	-.1759	-.0909			.2353	-.3438	-.2883	-.2636	-.2429
315.000		.2573	.0324	-.6328	-.5786	-.3689	-.1141						-.2469	-.0734	-.1396

X/LS .9580

PHI	
.000	.1389
45.000	.0560
90.000	.0329
135.000	.0470
180.000	-.1357
225.000	-.2484
270.000	-.2603
315.000	-.1243

ALPHAO(4) = -4.220 BETAO (9) = 8.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2450	.1191	.0765	-.6519	-.4799	-.1121	-.0525	-.0129	-.0630	.0309	.2416	-.2550	-.1421	.2334	.2780
45.000		.1622	.0484	-.6440	-.5169	-.0697							-.1651	.3489	.3045
90.000		.1705	.0577	-.6717	-.4971	-.1557	-.1247	-.1727	-.1399	.0180	.1628	-.2513	-.0614	.1849	.0898
135.000		.2368	.1013	-.6498	-.2435	-.2789							-.1098	.0387	-.0179
180.000	1.2450	.4014	.2843	-.4760	.0127	-.0841	-.1835	-.2893	-.1122	.0222	.0288	-.3450	-.2088	-.1182	-.1848
225.000		.4211	.3383	-.1204	.1120	.0034	-.1299						-.2914	-.2436	-.2532
270.000		.1764	.7918		-.6477	-.5497	-.1835	-.0946			.1911	-.3618	-.3046	-.2764	-.2563
315.000		.0752	.0656	-.6182	-.5357	-.2119	-.1265						-.2461	-.0492	-.0920

X/LS .9580

PHI	
.000	.1968
45.000	.2048
90.000	.0217
135.000	-.0923
180.000	-.2490

ARC11-715 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1532)

ALPHAO(4) = -4.220 BETAO (9) = 8.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2810
270.000	-.2701
315.000	-.0756

ALPHAO(4) = -4.210 BETAO (10) = 10.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2320	.0412	.0705	-.6489	-.4647	-.1058	-.0338	-.0255	-.0732	.0494	.2370	-.2360	-.1416	.3277	.2877
45.000		.0919	.0450	-.6442	-.5251	-.0533							-.0356	.2979	.2882
90.000		.1205	.0457	-.6765	-.4744	-.1495	-.1324	-.2043	-.1811	.0391	.1508	-.2344	-.0255	.2191	.1163
135.000		.1776	.0764	-.6606	-.2883	-.3490							-.1232	.0933	-.0165
180.000	1.2320	.3520	.6006	-.7510	.0177	-.1136	-.2228	-.3091	-.1034	.0171	.0054	-.3402	-.2269	-.1360	-.2183
225.000		.3965	.3255	.0435	.1443	-.0217	-.1401						-.3020	-.2530	-.2613
270.000		.1162	.7628		-.5961	-.5519	-.1765	-.1078			.1680	-.3691	-.3183	-.2816	-.2563
315.000		.0347	.0728	-.6083	-.5056	-.1796	-.1003						-.2405	-.0361	-.0792

X/LS .9580

PHI	
.000	.1966
45.000	.1851
90.000	.0292
135.000	-.0303
180.000	-.2711
225.000	-.2845
270.000	-.2719
315.000	-.0569

ALPHAO(5) = -2.920 BETAO (1) = -10.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3220	.3754	.0785	-.6543	-.4967	-.2816	-.1571	-.0769	-.0619	.0587	.2757	-.2830	-.3275	-.0879	-.1458
45.000		.4250	.1310	-.6157	-.4111	-.1394							-.3617	.0538	.1111
90.000		.5347	.2417	-.5576	-.2904	.0373	-.0247	-.0802	-.0939	.0687	.2503	-.2153	-.1561	.2639	.3552
135.000		.5727	.2662	-.5542	-.2957	-.1346							.0351	.3871	.4598
180.000	1.3220	.5385	.2250	-.5934	-.2839	.2543	.1597	-.0033	-.0256	.2612	.4734	-.2635	-.0077	.3165	.3222
225.000		.5314	.2417	-.5226	-.5122	.2550	.1026						-.2258	-.1339	-.1455

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1832)

ALPHAO(5) = -2.920 BETAO (1) = -10.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.5055	.8548		-.5708	-.5603	-.1066	-.0403			.2933	-.3952	-.3676	-.3178	-.2644
315.000		.4080	.0425	-.6357	-.5524	-.4799	.0052						-.3303	-.2024	-.2924

X/LS	.9580
PHI	
.000	-.2158
45.000	.0341
90.000	.2515
135.000	.3232
180.000	.1674
225.000	-.1987
270.000	-.2636
315.000	-.3167

ALPHAO(5) = -2.930 BETAO (2) = -8.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3200	.3675	.0807	-.6521	-.4853	-.2800	-.1255	-.0847	-.0685	.0433	.2631	-.2729	-.2734	-.0568	-.1286
45.000		.4094	.1262	-.6225	-.4263	-.1061							-.3015	.0881	.1239
90.000		.5015	.2219	-.5744	-.3262	.0171	-.0474	-.0842	-.1214	.0471	.2513	-.2268	-.1132	.2557	.3462
135.000		.5483	.2538	-.5653	-.3065	.1597							.0470	.3589	.4463
180.000	1.3200	.5386	.2255	-.5890	-.2568	.2268	.1240	-.0367	-.0656	.2301	.4427	-.2629	-.0064	.2933	.3172
225.000		.5369	.2495	-.5180	-.4726	.2137	.1266						-.2331	-.1405	-.1198
270.000		.5062	.8485		-.5505	-.5834	-.1076	-.0501			.3717	-.3758	-.3494	-.3056	-.2700
315.000		.4028	.0418	-.6365	-.5368	-.4788	-.0055						-.3218	-.2113	-.2680

X/LS	.9580
PHI	
.000	-.2003
45.000	.0460
90.000	.2407
135.000	.3120
180.000	.1731
225.000	-.2021
270.000	-.2690
315.000	-.2851

ARC11-716 1A14 01+T12+S12N25+AT10 SRM BOOSTER (RB1S32)

ALPHAO(5) = -2.930 BETAO (5) = -5.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3160	.3566	.0952	-.6466	-.4639	-.2555	-.0997	-.0796	-.0713	.0324	.2443	-.2603	-.2284	-.0255	-.1098
45.000		.3841	.1243	-.6249	-.4410	-.0955							-.2444	.1096	.1341
90.000		.4691	.2020	-.5963	-.3538	-.0029	-.0529	-.0904	-.1362	.0319	.2530	-.2259	-.0544	.2509	.3291
135.000		.5026	.2455	-.5703	-.3177	.1040							.0777	.3557	.4283
180.000	1.3160	.5391	.2337	-.0824	- 2314	.1000	.0982	-.0599	-.1000	.2018	.4149	-.2653	.0197	.3069	.3038
225.000		.5439	.2594	-.5095	-.4319	.1782	.1026						-.2178	-.0846	-.1296
270.000		.5104	.8459		-.5270	-.5571	-.1154	-.0457			.3943	-.3553	-.5274	-.2867	-.2606
315.000		.3987	.0441	-.6344	-.5200	-.4717	-.0161						-.5094	-.2016	-.2304

X/LS .9580

PHI	
.000	-.1750
45.000	.0585
90.000	.2306
135.000	.2969
180.000	.1759
225.000	-.2081
270.000	-.3649
315.000	-.2562

ALPHAO(5) = -2.910 BETAO (4) = -3.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3100	.3525	.0952	-.6328	-.4522	-.2555	-.0598	-.0672	-.0708	.0183	.2230	-.2607	-.2161	-.0064	-.0649
45.000		.3719	.1225	-.6252	-.4535	-.0650							-.1976	.1193	.1467
90.000		.4406	.1870	-.5985	-.3817	-.0055	-.0423	-.1077	-.1356	.0181	.2561	-.2164	-.0390	.2491	.3137
135.000		.5020	.2297	-.5800	-.3359	.0960							.0621	.3366	.3993
180.000	1.3100	.5326	.2361	-.5777	-.2059	.1569	.0770	-.0889	-.1299	.1712	.3745	-.2722	.0172	.2759	.2816
225.000		.5523	.2716	-.4958	-.3944	.1502	.0901						-.2575	-.1020	-.1445
270.000		.5127	.9363		-.5124	-.5777	-.1221	-.0455			.3804	-.3536	-.3183	-.2743	-.2282
315.000		.3949	.0475	-.6304	-.5067	-.4661	-.0260						-.2858	-.1588	-.2005

X/LS .9580

PHI	
.000	-.1169
45.000	.0736
90.000	.2160
135.000	.2731
180.000	.1669

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHAO(5) = -2.910 BETAO (4) = -3.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2036
270.000	-.2311
315.000	-.2324

ALPHAO(5) = -2.910 BETAO (5) = -2.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3010	.3411	.1034	-.6312	-.4401	-.2388	-.0422	-.0491	-.0731	.0042	.2291	-.2638	-.1901	.0077	-.0345
45.000		.3458	.1172	-.6283	-.4583	-.0503							-.1612	.1319	.1498
90.000		.4049	.1712	-.6094	-.4005	-.0099	-.0458	-.1207	-.1364	.0093	.2570	-.2035	-.0617	.2374	.2850
135.000		.4739	.2139	-.5993	-.3439	.0539							.0442	.3026	.3559
180.000	1.3010	.5379	.2367	-.5756	-.1907	.1248	.0449	-.1152	-.1529	.1411	.3307	-.2962	.0065	.2364	.2346
225.000		.5612	.2799	-.4877	-.3618	.1282	.0681						-.2524	-.0913	-.1530
270.000		.5190	.8251		-.5069	-.5743	-.1339	-.0532			.3589	-.3378	-.3035	-.2584	-.2186
315.000		.3839	.0471	-.6299	-.5004	-.4555	-.0370						-.2754	-.1528	-.1769

X/LS .9580

PHI	
.000	-.0621
45.000	.0811
90.000	.1975
135.000	.2443
180.000	.1368
225.000	-.2290
270.000	-.2228
315.000	-.2140

ALPHAO(5) = -2.910 BETAO (6) = .020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2930	.3322	.0917	-.6405	-.4402	-.2417	-.0362	-.0331	-.0743	.0040	.2338	-.2654	-.1598	.0380	.0165
45.000		.3371	.1113	-.6340	-.4676	-.0552							-.1360	.1387	.1472
90.000		.3969	.1511	-.6215	-.4256	-.0274	-.0585	-.1346	-.1419	.0095	.2443	-.2098	-.0670	.2119	.2519
135.000		.4593	.1967	-.6014	-.3492	.0280							.0151	.2613	.3117
180.000	1.2930	.5311	.2373	-.5748	-.1596	.0911	.0113	-.1465	-.1655	.1050	.2665	-.3081	-.0429	.1823	.1854
225.000		.5635	.2895	-.4720	-.3341	.1218	.0594						-.2892	-.1659	-.1752

ARC11-716 1A14 C1+T12+S12N25+AT10 SRM BOOSTER (R81332)

ALPHAO(5) = -2.910 BETAO (6) = .020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.5051	.8127		-.5218	-.5432	-.1300	-.0631			.3314	-.3492	-.3047	-.2677	-.2151
315.000		.3762	.0492	-.6329	-.5080	-.4489	-.0634						-.2737	-.1409	-.1805

X/LS	.9580
PHI	
.000	-.0438
45.000	.0771
90.000	.1683
135.000	.2101
180.000	.1003
225.000	-.2286
270.000	-.2172
315.000	-.1971

ALPHAO(5) = -2.910 BETAO (7) = 2.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2800	.3272	.1017	-.6398	-.4322	-.2519	-.0330	-.0230	-.0726	.0470	.2388	-.2618	-.2140	.2571	.1705
45.000		.3241	.0991	-.6380	-.4782	-.0634							-.0839	.1581	.1482
90.000		.3575	.1305	-.6316	-.4490	-.0470	-.0692	-.1406	-.1427	.0524	.2116	-.2176	-.0431	.1867	.1994
135.000		.4294	.1765	-.6117	-.3566	-.0481							-.0029	.2104	.2259
180.000	1.2800	.5244	.2330	-.5711	-.1530	.0478	-.0014	-.1857	-.1500	.1011	.1997	-.3263	-.0860	.1255	.0730
225.000		.5661	.3009	-.4577	-.3053	.1113	.0488						-.2829	-.1819	-.1886
270.000		.4980	.8097		-.5334	-.5471	-.1385	-.0744			.3096	-.3521	-.2870	-.2458	-.2027
315.000		.3715	.0594	-.6250	-.5102	-.4351	-.0886						-.2490	-.1109	-.1468

X/LS	.9580
PHI	
.000	.0921
45.000	.0764
90.000	.1130
135.000	.1387
180.000	-.0173
225.000	-.2253
270.000	-.2095
315.000	-.1240

ARC11-718 IA14 O1+T12+S12N23+AT10 SRM BOOSTER (RB1S32)

ALPHAO(5) = -2.920 BETAO (8) = 4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3750	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2700	.3158	.0957	-.6384	-.4164	-.2689	-.0375	-.0207	-.0591	.0407	.2503	-.2542	-.1770	.2204	.2324
45.000		.3071	.0880	-.6275	-.4841	-.0687							-.1291	.3301	.2177
90.000		.3233	.1129	-.6379	-.4640	-.0565	-.0740	-.1416	-.1297	.0448	.2136	-.2157	-.0325	.1737	.1303
135.000		.3893	.1538	-.6223	-.3472	-.0979							-.0255	.1418	.1178
180.000	1.2700	.5001	.2286	-.5624	-.1486	.0113	-.0466	-.2108	-.1044	.0728	.1268	-.3158	-.1300	.0716	-.0454
225.000		.5462	.3093	-.4222	-.2574	.1022	.0009						-.2750	-.1495	-.2098
270.000		.4717	.8356		-.5523	-.5184	-.1605	-.0860			.2775	-.3560	-.2817	-.2431	-.1999
315.000		.3573	.0654	-.6079	-.5149	-.4091	-.1159						-.2265	-.0649	-.0874

X/LS	.9580
PHI	
.000	.1682
45.000	.1304
90.000	.0588
135.000	.0333
180.000	-.1297
225.000	-.2511
270.000	-.2170
315.000	-.0879

ALPHAO(5) = -2.930 BETAO (9) = 6.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3750	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2500	.2880	.0941	-.6431	-.4296	-.2638	-.0514	-.0269	-.0341	.0308	.2524	-.2596	-.1060	.2147	.2362
45.000		.2743	.0763	-.6288	-.4956	-.0780							-.1521	.3417	.2800
90.000		.2805	.0949	-.6515	-.4815	-.0678	-.0840	-.1483	-.0994	.0344	.2032	-.2200	-.0680	.2038	.1186
135.000		.3301	.1310	-.6371	-.3727	-.1547							-.0698	.0922	.0428
180.000	1.2500	.4444	.2520	-.5486	-.0730	-.0338	-.0825	-.2338	-.0799	.0509	.0841	-.3225	-.1744	-.0020	-.1142
225.000		.4883	.3222	-.4353	-.0467	.0574	-.0188						-.2886	-.1652	-.2397
270.000		.3916	.8500		-.5951	-.5301	-.1941	-.1025			.2524	-.3829	-.2977	-.2451	-.2116
315.000		.3209	.0933	-.5961	-.5110	-.3057	-.1231						-.2174	-.0222	-.0404

X/LS	.9580
PHI	
.000	.1623
45.000	.1076
90.000	.0394
135.000	-.0510
180.000	-.1899

APC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHAO(5) = -2.850 BETAO (9) = 6.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2624
270.000	-.2252
315.000	-.0437

ALPHAO(5) = -2.920 BETAO (10) = 8.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2160	.2230	.0980	-.6437	-.4312	-.2575	-.0553	-.0093	-.0544	.0387	.2543	-.2390	-.1457	.2720	.2859
45.000		.2184	.0833	-.6353	-.4950	-.0759							-.0847	.2947	.2548
90.000		.2161	.0761	-.6575	-.4927	-.0824	-.0948	-.1448	-.1585	.0326	.1774	-.2289	-.0599	.2327	.1208
135.000		.2554	.1170	-.6406	-.3323	-.2198							-.0983	.0704	-.0034
180.000	1.2160	.3867	.2619	-.5304	.0160	-.1775	-.1256	-.2495	-.0805	.0462	.0518	-.3372	-.1926	-.0971	-.1754
225.000		.4281	.3233	-.4257	.1192	.0016	-.0992						-.2797	-.2350	-.2467
270.000		.2552	.1439		-.6017	-.5570	-.2160	-.0999			.2293	-.3548	-.2939	-.2727	-.2517
315.000		.2232	.1185	-.5904	-.4024	-.2242	-.1098						-.2439	-.0357	-.0809

X/LS .9580

PHI	
.000	.2076
45.000	.1576
90.000	.0518
135.000	-.0808
180.000	-.2409
225.000	-.2728
270.000	-.2613
315.000	-.0593

ALPHAO(5) = -2.900 BETAO (11) = 10.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2440	.1164	.0949	-.6397	-.4332	-.2228	-.0299	-.0063	-.0680	.0496	.2456	-.2228	-.1564	.3428	.2847
45.000		.1489	.0580	-.6546	-.5068	-.0662							-.0428	.3235	.2803
90.000		.1542	.0624	-.6684	-.5052	-.0834	-.0811	-.1760	-.1656	.0328	.1658	-.2169	-.0063	.2669	.1501
135.000		.1892	.0934	-.6603	-.2802	-.2867							-.1036	.1105	-.0059
180.000	1.2440	.3378	.2662	-.5036	-.0029	-.1179	-.1503	-.2619	-.0929	.0347	.0306	-.3294	-.2102	-.1074	-.2064
225.000		.3833	.3101	-.3936	.0624	-.0599	-.1710						-.2979	-.2373	-.2569

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (R81832)

ALPHAO(5) = -2.000 BETAO (11) = 10.100

SECTION (11)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.1819	.8477		-.5834	-.5614	-.1870	-.1004			.2080	-.3659	-.3087	-.2725	-.2482
315.000		.1119	.1329	-.5704	-.4432	-.1759	-.0907						-.2389	-.0256	-.0609

X/LS	.9580
PHI	
.000	.1925
45.000	.1835
90.000	.0494
135.000	-.0830
180.000	-.2652
225.000	-.2661
270.000	-.2611
315.000	-.0393

ALPHAO(6) = -.750 BETAO (1) = -10.000

SECTION (11)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3290	.4275	.1175	-.6468	-.4534	-.2219	-.0963	-.0617	-.0293	.0999	.3057	-.2722	-.4239	-.0551	-.0663
45.000		.4714	.1563	-.6079	-.3790	-.1737							-.3582	.1123	.1742
90.000		.5419	.2530	-.5620	-.2912	-.0127	.0726	.0060	-.0306	.1429	.3186	-.1521	-.2302	.2984	.3785
135.000		.5097	.2360	-.5924	-.3376	.1696							-.0102	.3644	.4387
180.000	1.3290	.4794	.1756	-.6261	-.3907	.1921	.1799	.0213	.0022	.2916	.5006	-.2592	-.0165	.2945	.3096
225.000		.4876	.1797	-.5735	-.4491	.0460	.1967						-.2152	-.1508	-.1524
270.000		.5162	.9694		-.5439	-.6514	-.2001	-.0492			.2949	-.3960	-.3711	-.3138	-.2522
315.000		.4553	.1035	-.6041	-.4622	-.4079	-.0180						-.3309	-.1829	-.2992

X/LS	.9580
PHI	
.000	-.1502
45.000	.0981
90.000	.2768
135.000	.3045
180.000	.1542
225.000	-.2033
270.000	-.2572
315.000	-.3266

AEC11-713 IA14 OM+712+S12*25+AT10 SRM BOOSTER (RB1332)

ALPHAC(6) = -.740 BETAC (2) = -5.040

SECTION (11)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3220	.4198	.1191	-.6340	-.4419	-.2253	-.0661	-.0393	-.0452	.0842	.2327	-.2658	-.3665	-.0184	-.0481
45.000		.4617	.1654	-.6018	-.3991	-.1527							-.3218	.1379	.1891
90.000		.5137	.2371	-.5696	-.5204	-.0742	.0690	-.0025	-.0542	.1183	.3218	-.1591	-.2237	.2827	.3640
135.000		.5034	.2296	-.5982	-.3511	.0142							-.0158	.3514	.4229
180.000	1.3220	.4702	.1841	-.6147	-.3677	.1174	.1533	-.0066	-.0483	.2628	.4766	-.2539	-.0181	.2591	.2998
225.000		.4461	.1692	-.5612	-.4203	.0132	.1677						-.2325	-.1449	-.1558
270.000		.5162	.6624		-.5191	-.6350	-.1775	-.0390			.3614	-.3856	-.3518	-.3083	-.2504
315.000		.4520	.1118	-.6945	-.4478	-.3643	-.0271						-.3056	-.1742	-.2673

X/LS .9580

PHI	
.000	-.1264
45.000	.1106
90.000	.2628
135.000	.2951
180.000	.1554
225.000	-.1667
270.000	-.2488
315.000	-.2975

ALPHAC(6) = -.720 BETAC (3) = -5.990

SECTION (11)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3190	.4121	.1216	-.6330	-.4324	-.2207	-.0359	-.0541	-.0482	.0559	.2793	-.2621	-.2992	.0004	-.0258
45.000		.4366	.1592	-.6090	-.4081	-.1370							-.2842	.1566	.1982
90.000		.4796	.2169	-.5845	-.3556	.0032	.0691	-.0164	-.0722	.0899	.3189	-.1664	-.1691	.2793	.3457
135.000		.4822	.2200	-.5915	-.3682	.1116							.0176	.3419	.4034
180.000	1.3190	.4683	.1881	-.6124	-.3528	.1087	.1332	-.0257	-.0847	.2284	.4475	-.2536	-.0007	.2699	.2915
225.000		.4861	.1953	-.5566	-.3943	-.0553	.1435						-.2385	-.1070	-.1354
270.000		.5142	.8575		-.5012	-.5778	-.1612	-.0624			.3782	-.3628	-.3315	-.2835	-.2347
315.000		.4454	.1138	-.5931	-.4404	-.3692	-.0434						-.3006	-.1728	-.2373

X/LS .9580

PHI	
.000	-.0941
45.000	.1221
90.000	.2487
135.000	.2779
180.000	.1628

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1532)

ALPHA0(8) = -.720 BETA0 (3) = -5.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L8 .9580

PHI	
225.000	-.1878
270.000	-.2360
315.000	-.2532

ALPHA0(8) = -.710 BETA0 (4) = -3.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L8	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3130	.4073	.1289	-.6252	-.4173	-.2224	-.0159	-.0401	-.0489	.0285	.2802	-.2636	-.2592	.0232	.0091
45.000		.4164	.1551	-.6096	-.4212	-.1055							-.2246	.1680	.2072
90.000		.4472	.2011	-.5929	-.3775	.0 68	.0681	-.0293	-.0781	.0659	.3150	-.1602	-.0880	.2739	.3283
135.000		.4626	.2117	-.5949	-.3772	.0760							.0448	.3267	.3767
180.000	1.3130	.4611	.1940	-.6036	-.1205	.0671	.1153	-.0461	-.1091	.1979	.4145	-.2558	.0134	.2783	.2711
225.000		.4461	.2066	-.5455	-.3594	-.1593	.1264						-.2383	-.0776	-.1283
270.000		.4203	.1560		-.4740	-.3206	-.1658	-.0572			.3764	-.3442	-.3117	-.2674	-.2149
315.000		.4447	.1143	-.5877	-.4233	-.3657	-.0579						-.2964	-.1717	-.2191

X/L8 .9580

PHI	
.000	-.0483
45.000	.1337
90.000	.2321
135.000	.2586
180.000	.1569
225.000	-.1861
270.000	-.2222
315.000	-.2422

ALPHA0(8) = -.700 BETA0 (5) = -2.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L8	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3040	.3941	.1318	-.6216	-.3983	-.2124	-.0025	-.0211	-.0497	.0046	.2770	-.2552	-.2087	.0435	.0383
45.000		.3949	.1450	-.6125	-.4301	-.0701							-.1702	.1761	.2082
90.000		.4173	.1830	-.6018	-.3991	.0332	.0532	-.0437	-.0871	.0528	.3094	-.1627	-.0783	.2812	.3099
135.000		.4404	.2023	-.5997	-.3833	.0603							.0363	.3065	.3485
180.000	1.3040	.4594	.1992	-.6007	-.2938	.0517	.0940	-.0701	-.1268	.1653	.3773	-.2642	.0167	.2504	.2391
225.000		.4993	.2151	-.5360	-.3331	-.1322	.1079						-.2330	-.0708	-.1332

A/C11-716 SA14 C1+712+512+25+AT10 SRM BOOSTER (RB1532)

ALPHA(6) = .700 BETA(6) = -2.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0540	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
270.000		.5250	.8524		-.4595	-.4832	-.1606	-.0649			.3624	-.3359	-.2997	-.2514	-.2068
315.000		.4461	.1219	-.5925	-.4085	-.3595	-.0694						-.2741	-.1695	-.2057

X/LS	.9580
PHI	
.000	-.0035
45.000	.1393
90.000	.2166
135.000	.2346
180.000	.1360
225.000	-.2060
270.000	-.2146
315.000	-.2203

ALPHA(6) = -.690 BETA(6) = .040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0540	.0980	.1150	.1440	.2010	.2870	.3730	.4881	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.2970	.5928	.1452	-.6248	-.3821	-.2297	.0002	-.0035	-.0535	-.0012	.2606	-.2531	-.1744	.0374	.0622
45.000		.5812	.1356	-.6166	-.4394	-.0534							-.1166	.1625	.1950
90.000		.5951	.1655	-.6139	-.4233	.0190	.0293	-.0530	-.0966	.0492	.2881	-.1697	-.0917	.2541	.2808
135.000		.4263	.1477	-.6077	-.4014	.0183							.0052	.2728	.2999
180.000	1.2970	.4642	.2031	-.6001	-.2703	.0141	.0553	-.1046	-.1253	.1260	.3115	-.2789	-.0123	.1883	.1852
225.000		.5009	.2286	-.5253	-.3192	-.1272	.0743						-.2740	-.1393	-.1671
270.000		.5202	.1471		-.4697	-.4790	-.1561	-.0721			.3539	-.3360	-.3024	.2620	-.2094
315.000		.4442	.1270	-.5903	-.4071	-.3718	-.0652						-.2729	-.1811	-.1972

X/LS	.9580
PHI	
.000	.0282
45.000	.1261
90.000	.1913
135.000	.1946
180.000	.0984
225.000	-.2184
270.000	-.2133
315.000	-.2024

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1S32)

ALPHAO(6) = -.690 BETAO (7) = 2.030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2850	.3841	.1307	-.6286	-.3766	-.2535	-.0085	-.0042	-.0605	.0287	.2445	-.2514	-.1409	.1380	.1483
45.000		.3625	.1166	-.6259	-.4563	-.0729							-.0900	.2175	.2277
90.000		.3728	.1415	-.6293	-.4466	-.0006	.0044	-.0685	-.1104	.0905	.2537	-.1804	-.0555	.2630	.2331
135.000		.4137	.1699	-.6197	-.4122	.0258							-.0006	.2180	.2254
180.000	1.2850	.4629	.1982	-.6015	-.2587	-.0219	.0170	-.1464	-.1213	.1134	.2311	-.3008	-.0540	.1470	.0827
225.000		.5095	.2353	-.5170	-.3043	-.0780	.0383						-.2565	-.1334	-.1762
270.000		.5175	.8392		-.4949	-.4715	-.1571	-.0835			.3139	-.3429	-.2798	-.2310	-.1867
315.000		.4367	.1294	-.5770	-.4107	-.3615	-.0606						-.2403	-.1087	-.1260

X/LS	.9580
PHI	
.000	.0950
45.000	.1465
90.000	.1501
135.000	.1313
180.000	-.0151
225.000	-.2226
270.000	-.1971
315.000	-.1348

ALPHAO(6) = -.710 BETAO (8) = 4.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2790	.3706	.1272	-.6250	-.3644	-.2715	-.0199	-.0034	-.0552	.0437	.2405	-.2263	-.1289	.1578	.1746
45.000		.3394	.1220	-.6309	-.4621	-.0789							-.1139	.2778	.2300
90.000		.3409	.1267	-.6330	-.4619	-.0059	-.0112	-.0752	-.1070	.0849	.2287	-.1930	-.0753	.2619	.1903
135.000		.3770	.1540	-.6260	-.4202	-.0616							-.0322	.1627	.1371
180.000	1.2790	.4466	.1952	-.5976	-.2424	-.0478	-.0169	-.1688	-.0956	.0995	.1688	-.3224	-.1081	.0578	-.0308
225.000		.5073	.2467	-.5007	-.2872	-.0001	.0091						-.2509	-.1931	-.1986
270.000		.5047	.8374		-.5132	-.3760	-.1444	-.0855			.3126	-.3270	-.2731	-.2488	-.2294
315.000		.4246	.1388	-.5645	-.4023	-.3353	-.0507						-.2398	-.0996	-.1369

X/LS	.9580
PHI	
.000	.1042
45.000	.1497
90.000	.1011
135.000	.0604
180.000	-.1179

ARC11-718 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1532)

ALPHAO(8) = -.710 BETAO (8) = 4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2286
270.000	-.2411
315.000	-.1281

ALPHAO(8) = -.720 BETAO (9) = 6.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2680	.3573	.1296	-.6264	-.3612	-.2796	-.0411	-.0112	-.0369	.0310	.2459	-.2235	-.1485	.2482	.2500
45.000		.3172	.0995	-.6368	-.4711	-.0931							-.0871	.2147	.2098
90.000		.3192	.1077	-.6410	-.4782	-.0155	-.0300	-.0830	-.0845	.0593	.2237	-.1950	-.0858	.3020	.1869
135.000		.3496	.1347	-.6363	-.4115	-.0964							-.0532	.1277	.0720
180.000	1.2680	.4230	.1695	-.5935	-.2283	-.0905	-.0514	-.1959	-.0786	.0904	.1336	-.3254	-.1433	.0051	-.0937
225.000		.5027	.2480	-.4976	-.2679	-.0161	-.0140						-.2620	-.2000	-.2143
270.000		.5069	.9324		-.5131	-.3427	-.1554	-.3064			.3020	-.3378	-.2763	-.2461	-.2260
315.000		.4245	.1469	-.5509	-.3966	-.3153	-.0618						-.2362	-.0557	-.1002

X/LS .9580

PHI	
.000	.1864
45.000	.1179
90.000	.1109
135.000	-.0150
180.000	-.1717
225.000	-.2437
270.000	-.2450
315.000	-.0940

ALPHAO(8) = -.730 BETAO (10) = 8.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2460	.3302	.1096	-.6274	-.3619	-.3193	-.0422	-.0159	-.0444	.0307	.2495	-.2272	-.1588	.2973	.2841
45.000		.2911	.0811	-.6451	-.4781	-.0916							-.0646	.2811	.2460
90.000		.2883	.0867	-.6516	-.4914	-.0292	-.0465	-.0935	-.0806	.0615	.2056	-.1991	-.0297	.3379	.2083
135.000		.3115	.1101	-.6469	-.4158	-.1547							-.0746	.1380	.0483
180.000	1.2460	.3932	.1909	-.5764	-.1948	-.0215	-.0783	-.3150	-.0490	.0739	.0994	-.3310	-.1726	-.0427	-.1478
223.000		.4747	.2592	-.4641	-.1441	-.0172	-.0810						-.2779	-.2090	-.2328

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHAO(6) = -.730 BETAO (10) = 8.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4690	.8605		-.5065	-.4539	-.1639	-.1144			.2772	-.3478	-.2890	-.2551	-.2365
315.000		.4906	.1485	-.5356	-.3976	-.2983	-.0603						-.2402	-.0316	-.0807

X/LS	.9580
PHI	
.000	.2083
45.000	.1490
90.000	.1259
135.000	-.0359
180.000	-.2207
225.000	-.2633
270.000	-.2526
315.000	-.0595

ALPHAO(6) = -.740 BETAO (11) = 10.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2150	.2720	.1109	-.6181	-.3655	-.3374	-.0336	.0119	-.0667	.0571	.2442	-.2218	-.1304	.3303	.2548
45.000		.2434	.0625	-.6490	-.4723	-.1023							-.0331	.3226	.2743
90.000		.2368	.0700	-.6550	-.4980	-.0354	-.0202	-.0904	-.0867	.0897	.1998	-.1900	.0130	.2961	.2008
135.000		.2517	.0921	-.6435	-.4292	-.1959							-.0791	.1440	.0269
180.000	1.2150	.3371	.2253	-.5705	-.0409	-.1012	-.0821	-.2049	-.0654	.0623	.0754	-.3170	-.1869	-.0681	-.1798
225.000		.4024	.2796	-.4619	.0498	.0295	-.0859						-.2893	-.2193	-.2416
270.000		.3523	.8767		-.5170	-.4461	-.1502	-.0889			.2764	-.3547	-.3017	-.2663	-.2378
315.000		.3291	.1909	-.5269	-.3670	-.2531	-.0643						-.2435	-.0240	-.0645

X/LS	.9580
PHI	
.000	.1715
45.000	.1756
90.000	.0862
135.000	-.0599
180.000	-.2513
225.000	-.2773
270.000	-.2515
315.000	-.0331

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHAO(7) = 2.030 BETAO (1) = -10.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3270	.4917	.1621	-.6162	-.3759	-.1336	-.0302	-.0307	-.0165	.1429	.3440	-.2815	-.4167	-.0083	.0172
45.000		.5366	.2105	-.5748	-.3290	-.0932							-.2783	.1982	.2396
90.000		.5440	.2546	-.5550	-.2918	-.1319	.1413	.0726	.0180	.2062	.3911	-.0791	-.2290	.3225	.3881
135.000		.4639	.1945	-.6053	-.3874	-.0015							-.2438	.2837	.4028
180.000	1.3270	.4090	.1304	-.6470	-.3246	-.1131	.2170	.0372	.0064	.3208	.5188	-.2491	-.0501	.2102	.2907
225.000		.4283	.1031	-.6172	-.3788	-.0907	.3022						-.1926	-.1458	-.1455
270.000		.5068	.2642		-.3673	-.4241	-.3322	-.0765			.2943	-.3981	-.3697	-.2980	-.2266
315.000		.4994	.1777	-.5524	-.3022	-.2900	-.0730						-.3446	-.1559	-.3025

X/LS	.9580
PHI	
.000	-.0684
45.000	.1744
90.000	.2935
135.000	.2806
180.000	.1389
225.000	-.1865
270.000	-.2310
315.000	-.3384

ALPHAO(7) = 2.060 BETAO (2) = -8.030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3180	.4869	.1668	-.6083	-.3599	-.1322	-.0096	-.0246	-.0126	.1068	.3386	-.2527	-.3757	.0383	.0482
45.000		.5147	.2049	-.5753	-.3427	-.0991							-.2645	.2152	.2547
90.000		.5070	.2352	-.5680	-.3245	-.1212	.1342	.0616	.0008	.1656	.3881	-.0866	-.2279	.2969	.3619
135.000		.4347	.1985	-.6075	-.4030	.0088							-.1814	.2709	.3801
180.000	1.3180	.3903	.1334	-.6400	-.3354	-.1403	.1938	.0208	-.0141	.2902	.5009	-.2380	-.0414	.2131	.2840
225.000		.4149	.1036	-.6133	-.3760	-.4935	.2646						-.2142	-.1421	-.1434
270.000		.4992	.8567		-.3832	-.4008	-.3254	-.0925			.3209	-.3837	-.3543	-.3016	-.2305
315.000		.4950	.1871	-.5423	-.2969	-.2612	-.0786						-.3112	-.1468	-.2715

X/LS	.9580
PHI	
.000	-.0329
45.000	.1863
90.000	.2729
135.000	.2610
180.000	.1380

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1532)

ALPHAO(7) = 2.060 BETAO (2) = -8.030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1799
270.000	-.2308
315.000	-.2951

ALPHAO(7) = 2.080 BETAO (3) = -5.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3130	.4716	.1695	-.6094	-.3499	-.1393	.0106	-.0143	-.0166	.0605	.3284	-.2415	-.3109	.0711	.0737
45.000		.4863	.1937	-.5872	-.3634	-.1096							-.2319	.2202	.2594
90.000		.4660	.2159	-.5852	-.3586	-.0919	.1186	.0453	-.0225	.1232	.3734	-.1030	-.1790	.2732	.3332
135.000		.4125	.1934	-.6139	-.4191	-.0029							-.0751	.2780	.3635
180.000	1.3135	.3637	.1356	-.6391	-.3376	-.1475	.1697	.0047	-.0460	.2571	.4737	-.2371	-.0179	.2290	.2738
225.000		.4107	.1076	-.6143	-.3780	-.4793	.2160						-.2283	-.1148	-.1392
270.000		.4955	.8470		-.3909	-.3971	-.3504	-.1013			.3359	-.3608	-.3259	-.2810	-.2151
315.000		.4971	.1889	-.5416	-.3035	-.2452	-.0865						-.2877	-.1483	-.2460

X/LS .9580

PHI	
.000	.0004
45.000	.1889
90.000	.2481
135.000	.2476
180.000	.1385
225.000	-.1639
270.000	-.2179
315.000	-.2577

ALPHAO(7) = 1.940 BETAO (4) = -4.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3100	.4667	.1707	-.6044	-.2831	-.1731	.0283	.0088	-.0202	.0227	.2905	-.2360	-.2175	.0812	.0781
45.000		.4548	.1810	-.5901	-.3799	-.1122							-.1582	.2140	.2482
90.000		.4350	.1972	-.5934	-.3955	-.0047	.1139	.0312	-.0424	.0314	.3478	-.1120	-.1148	.2610	.3052
135.000		.3975	.1774	-.6127	-.4282	.0017							-.0279	.2972	.3450
180.000	1.3100	.3831	.1463	-.6234	-.3118	-.1194	.1573	-.0156	-.0793	.2244	.4348	-.2368	.0673	.2600	.2577
225.000		.4107	.1226	-.5994	-.3805	-.4246	.2010						-.2185	-.0650	-.1161

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHAO(7) = 1.940 BETAO (4) = -4.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4941	.8481		-.3808	-.4231	-.0921	-.0 *			.3087	-.3433	-.3114	-.2474	-.1826
315.000		.4900	.1938	-.5344	-.3006	-.3262	.0185						-.2702	-.1423	-.1963

X/LS	.9580
PHI	
.000	.0165
45.000	.1751
90.000	.2150
135.000	.2314
180.000	.1338
225.000	-.1706
270.000	-.1916
315.000	-.2095

ALPHAO(7) = 1.950 BETAO (5) = -2.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3030	.4533	.1757	-.6000	-.2936	-.1837	.0172	.0163	-.0251	-.0030	.2711	-.2216	-.1700	.0997	.1024
45.000		.4289	.1703	-.5964	-.4011	-.1006							-.1169	.2034	.2273
90.000		.4045	.1806	-.6024	-.4068	.0071	.0944	.0145	-.0581	.0730	.3234	-.1203	-.0787	.2406	.2725
135.000		.3750	.1721	-.6125	-.4333	.0153							-.0194	.2835	.3192
180.000	1.3030	.3694	.1487	-.6153	-.3073	-.0870	.1349	-.0395	-.0929	.1902	.3850	-.2461	.0145	.2463	.2173
225.000		.4134	.1328	-.5878	-.3717	-.3734	.1734						-.2130	-.0624	-.1308
270.000		.4858	.8457		-.3930	-.4453	-.0452	-.0606			.3350	-.3324	-.2891	-.2222	-.1727
315.000		.4863	.1986	-.5257	-.2943	-.3277	.0292						-.2416	-.1098	-.1574

X/LS	.9580
PHI	
.000	.0478
45.000	.1556
90.000	.1836
135.000	.2082
180.000	.1125
225.000	-.1900
270.000	-.1864
315.000	-.1820

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHAO(7) = 1.950 BETAO (6) = .040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2930	.4443	.1719	-.6024	-.2807	-.1937	.0032	.0173	-.0320	-.0163	.2616	-.2216	-.1568	.1312	.1388
45.000		.4046	.1681	-.6056	-.4058	-.1248							-.0795	.1805	.2060
90.000		.3877	.1624	-.6144	-.4238	-.0017	.0706	-.0014	-.0749	.0587	.2940	-.1366	-.0684	.2121	.2335
135.000		.3779	.1583	-.6178	-.4381	.0145							-.0579	.2576	.2832
180.000	1.2930	.3787	.1521	-.6240	-.3229	-.0597	.0940	-.0728	-.0946	.1482	.3194	-.2683	-.0187	.1805	.1561
225.000		.4106	.1367	-.5840	-.3996	-.2635	.1133						-.2437	-.1138	-.1567
270.000		.4754	.8429		-.4519	-.4313	-.0447	-.0589			.3292	-.3254	-.2865	-.2370	-.1774
315.000		.4767	.2037	-.5179	-.3146	-.3043	.0102						-.2465	-.1008	-.1442

X/LS	.9580
PHI	
.000	.0876
45.000	.1272
90.000	.1447
135.000	.1856
180.000	.0793
225.000	-.2078
270.000	-.1930
315.000	-.1595

ALPHAO(7) = 1.930 BETAO (7) = 2.030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2840	.4191	.1784	-.5999	-.2863	-.2069	-.0129	.0173	-.0363	.0062	.2591	-.2166	-.1233	.1895	.2049
45.000		.3750	.1417	-.6108	-.4215	-.1347							-.0519	.1918	.2021
90.000		.3470	.1427	-.6207	-.4433	.0009	.0537	-.0135	-.0865	.0959	.2666	-.1538	-.0487	.2185	.2175
.000		.3503	.1435	-.6160	-.4493	.0017							-.0232	.2464	.2381
.000	1.2840	.3634	.1604	-.6196	-.3250	-.0612	.0647	-.0973	-.0857	.1282	.2509	-.2718	-.0466	.1382	.0771
225.000		.3925	.1599	-.5669	-.4031	-.1714	.0755						-.2353	-.1070	-.1708
270.000		.4405	.8457		-.4947	-.3783	-.0396	-.0530			.3382	-.3285	-.2662	-.2133	-.1680
315.000		.4524	.2124	-.5004	-.3268	-.2789	-.0070						-.2146	-.0645	-.0871

X/LS	.9580
PHI	
.000	.1501
45.000	.1198
90.000	.1260
135.000	.1375
180.000	-.0129

(RB1532)

ALPHAO(7) = 1.930 BETAO (7) = 2.030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2162
270.000	-.1862
315.000	-.0853

ALPHAO(7) = 1.930 BETAO (8) = 4.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2720	.3856	.1711	-.5992	-.2993	-.2217	-.0321	.0045	-.0436	.0259	.2559	-.2057	-.1088	.2447	.2682
45.000		.3334	.1235	-.6229	-.4334	-.1512							-.0602	.2830	.2407
90.000		.3146	.1255	-.6329	-.4657	-.0960	.0314	-.0320	-.0933	.0927	.2505	-.1594	-.0485	.2997	.2085
135.000		.3220	.1381	-.6312	-.4576	-.0942							-.0199	.2332	.1771
180.000	1.2720	.3421	.1544	-.6226	-.3271	-.0601	.0265	-.1277	-.0778	.1192	.1998	-.2715	-.0973	.1020	-.0022
225.000		.3603	.1675	-.5505	-.3854	-.0692	.0337						-.2307	-.0962	-.1784
270.000		.4033	.8542		-.5121	-.3576	-.0768	-.0692			.5556	-.3343	-.2596	-.2049	-.1643
315.000		.4179	.2213	-.4816	-.3371	-.2475	-.0385						-.2079	-.0308	-.0502

X/LS .9580

PHI	
.000	.2004
45.000	.1538
90.000	.1105
135.000	.0789
180.000	-.0972
225.000	-.2239
270.000	-.1905
315.000	-.0437

ALPHAO(7) = 1.960 BETAO (9) = 6.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2490	.3368	.1625	-.5875	-.2912	-.2302	-.0546	-.0122	-.0374	.0266	.2486	-.2221	-.1090	.3153	.3081
45.000		.2802	.1023	-.6317	-.4405	-.1603							-.0605	.2716	.2420
90.000		.2702	.1049	-.6416	-.4816	-.0981	.0105	-.0403	-.0832	.0691	.2509	-.1575	-.0537	.3117	.1900
135.000		.2725	.1242	-.6379	-.4615	-.0129							-.0439	.1924	.1074
180.000	1.2490	.2830	.1041	-.6153	-.7211	-.1956	-.0025	-.1525	-.0684	.1051	.1671	-.2740	-.1253	.0865	-.0591
225.000		.3132	.1905	-.5401	-.3551	-.0044	-.0113						-.2337	-.1090	-.1909

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1832)

ALPHAO(7) = 1.960 BETAO (9) = 6.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3302	.8582		-.5677	-.2839	-.0897	-.0798			.3190	-.3414	-.2659	-.2056	-.1700
315.000		.3749	.2402	-.4699	-.3255	-.1831	-.0631						-.2040	.0019	-.0050

X/LS	.9580
PHI	
.000	.2408
45.000	.1495
90.000	.0918
135.000	.0164
180.000	-.1459
225.000	-.2251
270.000	-.2022
315.000	.0120

ALPHAO(7) = 1.950 BETAO (10) = 8.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2240	.2944	.1849	-.5886	-.2736	-.2374	-.0680	-.0242	-.0245	.0174	.2432	-.2353	-.1399	.3073	.2986
45.000		.2348	.0801	-.6390	-.4541	-.1610							-.0734	.2503	.2228
90.000		.2346	.0357	-.6493	-.4938	-.0060	-.0075	-.0510	-.0650	.0709	.2478	-.1721	-.0422	.2950	.1857
135.000		.2367	.1059	-.6437	-.4026	-.0288							-.0680	.1817	.0863
180.000	1.2240	.2467	.1685	-.6134	-.2997	-.0530	-.0368	-.1775	-.0430	.0949	.1516	-.3168	-.1529	-.0057	-.1097
225.000		.2653	.2150	-.5330	-.2797	.0156	-.0523						-.2615	-.1834	-.2179
270.000		.2807	.8479		-.5663	-.1996	-.1034	-.0959			.3074	-.3374	-.2777	-.2446	-.2252
315.000		.3457	.2469	-.4702	-.2619	-.1276	-.0871						-.2277	.0020	-.0044

X/LS	.9580
PHI	
.000	.2195
45.000	.1308
90.000	.0830
135.000	-.0031
180.000	-.1871
225.000	-.2519
270.000	-.2396
315.000	.0228

AP611-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1832)

ALPHA0(7) = 1.940 BETA0 (11) = 10.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2120	.2710	.1654	-.5851	-.2625	-.2452	-.0779	.0219	-.0413	.0280	.2254	-.2332	-.0751	.3338	.2856
45.000		.1930	.0685	-.6491	-.4668	-.1640							-.0156	.2621	.2125
90.000		.1979	.0710	-.6507	-.4977	-.0116	-.0085	-.0131	-.0874	.0810	.2346	-.1832	.0153	.3064	.1930
135.000		.1994	.0985	-.6533	-.4648	-.0588							-.0514	.1868	.0746
180.000	1.2120	.2122	.1790	-.6063	-.2623	-.0917	-.0591	-.1599	-.0578	.0841	.1400	-.3166	-.1533	-.0238	-.1395
225.000		.2485	.2280	-.5176	-.2081	.0035	-.0724						-.2720	-.1985	-.2254
270.000		.2513	.8399		-.5597	-.1720	-.1195	-.0915			.3084	-.3493	-.2926	-.2534	-.2251
315.000		.3198	.2476	-.4673	-.2040	-.1195	-.1036						-.2174	.0174	.0346

X/LS	.9580
PHI	
.000	.2044
45.000	.1199
90.000	.0963
135.000	-.0092
180.000	-.2103
225.000	-.2577
270.000	-.2603
315.000	.0492

ALPHA0(8) = 3.970 BETA0 (1) = -9.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3140	.5428	.2029	-.5989	-.3422	-.0839	.0078	.0065	.0152	.1540	.3653	-.2588	-.3961	.0088	.0731
45.000		.5729	.2562	-.5558	-.3037	-.0599							-.2327	.2506	.2859
90.000		.5269	.2559	-.5594	-.3081	-.1125	.1381	.0931	.0445	.2247	.4208	-.0323	-.2068	.3295	.3738
135.000		.4076	.1638	-.6270	-.4304	-.1057							-.3284	.1967	.3324
180.000	1.3140	.3562	.0900	-.6648	-.2415	-.2228	.1784	.0574	.0062	.3295	.5079	-.2402	-.1010	.1356	.2660
225.000		.3762	.0337	-.6120	-.2927	-.4998	.2457						-.1883	-.1253	-.1126
270.000		.4796	.8367		-.2849	-.3200	-.3383	-.1512			.2447	-.4015	-.3641	-.2799	-.1962
315.000		.5243	.2214	-.5183	-.2243	-.1962	-.0600						-.3705	-.1386	-.2643

X/LS	.9580
PHI	
.000	-.0043
45.000	.2225
90.000	.2974
135.000	.2334
180.000	.1143

ARC11-716 TA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHAO(8) = 3.970 BETAO (1) = -9.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1892
270.000	-.1923
315.000	-.3365

ALPHAO(8) = 3.990 BETAO (2) = -8.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3110	.5196	.1980	-.5902	-.2866	-.1102	.0250	.0164	.0148	.1094	.3420	-.2398	-.3412	.0860	.1082
45.000		.5499	.2297	-.5637	-.3141	-.0770							-.2230	.2687	.3027
90.000		.4871	.2245	-.5748	-.3325	-.0824	.1252	.0770	.0174	.1786	.4068	-.0504	-.2158	.3095	.3490
135.000		.3832	.1434	-.6276	-.4412	-.0486							-.2413	.1962	.3012
180.000	1.3110	.3371	.0956	-.6578	-.2353	-.2194	.1522	.0379	-.0142	.2981	.4972	-.2303	-.0849	.1807	.2732
225.000		.3569	.0354	-.6893	-.2996	-.4093	.2139						-.2072	-.1109	-.1133
270.000		.4609	.3269		-.2844	-.3520	-.2755	-.1656			.1771	-.3820	-.3446	-.2809	-.2048
315.000		.5222	.2338	-.5101	-.1220	-.2339	-.0034						-.3133	-.1330	-.2523

X/LS .9580

PHI	
.000	.0279
45.000	.2281
90.000	.2750
135.000	.2011
180.000	.1189
225.000	-.1749
270.000	-.2006
315.000	-.2803

ALPHAO(8) = 3.970 BETAO (3) = -6.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3050	.5259	.2008	-.5874	-.2441	-.1373	.0146	.0400	.0133	.0703	.3078	-.2506	-.2641	.1187	.1176
45.000		.5156	.2093	-.5711	-.3333	-.0940							-.2012	.2778	.2978
90.000		.4529	.2016	-.5874	-.3594	-.0511	.0628	.0731	-.0047	.1285	.3768	-.0734	-.1399	.2591	.3004
135.000		.3643	.1474	-.6297	-.4492	-.0444							-.1342	.2219	.2912
180.000	1.3050	.3275	.0999	-.6487	-.2267	-.19	.1442	.0341	-.0316	.2520	.4479	-.2301	-.0763	.2277	.2570
225.000		.3527	.0421	-.5438	-.2612	-.4497	.1919						-.1920	-.0599	-.1073

AFC11-716 1A14 C1+T12+S12*25+AT10 SRM BOOSTER (PB1532)

ALPHA(B) = 3.970 BETA(B) = -6.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4553	.6224		-.2984	-.4232	.0012	-.0551			.2226	-.3546	-.3079	-.2468	-.1758
315.000		.5271	.2358	-.5017	-.2246	-.3189	.0284						-.2700	-.1167	-.1947

X/LS .9580

PHI	
.000	.0551
45.000	.2241
90.000	.2259
135.000	.1789
180.000	.1129
225.000	-.1663
270.000	-.1836
315.000	-.2214

ALPHA(B) = 3.930 BETA(B) = -5.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3020	.5210	.2006	-.5942	-.2511	-.1491	.0169	.0417	.0073	.0274	.3020	-.2130	-.2127	.1455	.1513
45.000		.4845	.1965	-.5795	-.3533	-.1139							-.1404	.2663	.2825
90.000		.4170	.1841	-.5903	-.3826	-.0541	.1015	.0489	-.0312	.0897	.3530	-.0886	-.0727	.2145	.2497
135.000		.3435	.1476	-.6276	-.4603	-.0426							-.0920	.2516	.2851
180.000	1.3020	.3263	.1027	-.6297	-.2359	-.1027	.1395	.0148	-.0550	.0233	.4194	-.254.	-.0048	.2489	.2404
225.000		.3571	.0523	-.5700	-.2653	-.4357	.1739						-.1953	-.0488	-.1121
270.000		.4699	.6204		-.3242	-.4432	.0240	-.0356			.2905	-.3469	-.2970	-.2241	-.1632
315.000		.5303	.2400	-.4954	-.2401	-.3330	.0281						-.2401	-.0950	-.1546

X/LS .9580

PHI	
.000	.0882
45.000	.2105
90.000	.1881
135.000	.1729
180.000	.1114
225.000	-.1718
270.000	-.1736
315.000	-.1795

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1532)

ALPHA(8) = 3.930 BETA(5) = -2.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LB	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4980	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.2950	.5155	.1935	-.5957	-.2497	-.1482	.0065	.0326	-.0054	.0009	.2928	-.2008	-.1612	.1755	.1788
45.000		.4559	.1437	-.5904	-.3727	-.1206							-.1001	.2588	.2827
90.000		.3898	.1150	-.6110	-.4172	-.0896	.0009	.0301	-.0567	.0656	.3252	-.1056	-.0513	.1879	.2105
135.000		.3744	.1434	-.6247	-.4005	-.0305							-.0874	.2755	.2761
180.000	1.2950	.5174	.1914	-.6210	-.2543	-.1656	.1287	-.0102	-.0093	.1928	.3753	-.2467	-.0011	.2452	.2025
225.000		.3551	.0592	-.6066	-.3986	-.4262	.1615						-.1943	-.0463	-.1359
270.000		.4077	.0212		-.3518	-.4510	.0117	-.0471			.3144	-.3368	-.2797	-.2165	-.1569
315.000		.5371	.2451	-.4905	-.2521	-.3.03	.0161						-.2247	-.0795	-.1291

X/LS .9580

PHI	
.000	.1146
45.000	.1939
90.000	.1203
135.000	.1679
180.000	.0917
225.000	-.1997
270.000	-.1754
315.000	-.1802

ALPHA(8) = 3.940 BETA(6) = .040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4980	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.2830	.4947	.2022	-.5812	-.2410	-.1524	-.0087	.0234	-.0151	-.0171	.2750	-.2001	-.1423	.1971	.2036
45.000		.4192	.1642	-.5956	-.3801	-.1496							-.0890	.2582	.2505
90.000		.3543	.1410	-.6186	-.4353	-.0977	.0640	.0124	-.0710	.0595	.3014	-.1253	-.0547	.1607	.1736
135.000		.3503	.1347	-.6318	-.4675	-.0101							-.0946	.2787	.2574
180.000	1.2890	.5253	.1146	-.6411	-.2793	-.1411	.1135	-.0410	-.0311	.1592	.3091	-.2632	-.0181	.1995	.1497
225.000		.3501	.0635	-.6193	-.3601	-.4075	.1361						-.2113	-.0851	-.1423
270.000		.4613	.0181		-.3046	-.4472	-.0325	-.0632			.3016	-.3260	-.2763	-.2135	-.1557
315.000		.5306	.2521	-.4719	-.2933	-.2403	-.0018						-.2206	-.0670	-.0972

X/LS .9580

PHI	
.000	.1442
45.000	.1783
90.000	.0878
135.000	.1557
180.000	.0949

(RB1332)

ALPHAC(0) = 5.940 BETAC (0) = .040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .0580

PHI	
225.000	-.2067
270.000	-.1715
315.000	-.1143

ALPHAC(0) = 4.030 BETAC (0) = 2.030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0540	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2740	.4854	.2042	-.5890	-.2411	-.1693	-.0296	.0105	-.0304	-.0160	.2525	-.1990	-.1236	.2486	.2615
45.000		.3875	.1422	-.6694	-.3068	-.1872							-.0759	.2687	.2430
90.000		.3216	.137	-.6300	-.[illegible]	-.[illegible]	.1522	-.0157	.0331	.0371	.2615	-.1527	-.0546	.1670	.1569
135.000		.[illegible]	.1264	-.6346	-.[illegible]	-.[illegible]							-.0641	.2857	.2368
180.000	1.2740	[illegible]	.1027	-.6311	-.[illegible]	-.[illegible]	.[illegible]	-.0152	-.0834	.[illegible]	.2651	-.2017	-.0474	.1597	.0875
225.000		.[illegible]	.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	.0142						-.2162	-.0950	-.1532
270.000		.4270	.13		-.[illegible]	-.[illegible]	-.[illegible]	-.0701			.2962	-.3205	-.2513	-.2031	-.1670
315.000		.[illegible]	.[illegible]	-.4402	-.[illegible]	-.[illegible]	-.0316						-.2092	-.0359	-.0604

X/LS .9580

PHI	
.000	.1939
45.000	.1607
90.000	.0699
135.000	.1599
180.000	-.0040
225.000	-.2049
270.000	-.1752
315.000	-.0698

ALPHAC(0) = 4.020 BETAC (0) = 4.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0540	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2600	.4845	.1925	-.5796	-.2459	-.1902	-.0500	-.0059	-.0411	.0105	.2358	-.1975	-.1267	.2678	.2622
45.000		.3[illegible]	.1922	-.6222	-.4055	-.2211							-.0653	.2408	.2172
90.000		.3[illegible]	.1124	-.6425	-.[illegible]	-.[illegible]	.0245	-.0267	-.0979	.0885	.2404	-.1611	-.0527	.1902	.1426
135.000		.2694	.1162	-.[illegible]	-.[illegible]	-.[illegible]							-.0261	.2503	.1849
180.000	1.2600	.[illegible]	.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	.0468	-.[illegible]	-.[illegible]	.1347	.2124	-.2858	-.[illegible]	.0984	.0061
225.000		.[illegible]	.[illegible]	-.[illegible]	-.4573	-.[illegible]	.0390						-.[illegible]	-.1459	-.1802

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1S32)

ALPHAO(8) = 4.020 BETAO (8) = 4.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1130	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4461	.8146		-.5229	-.3329	-.1264	-.0808			.2949	-.3178	-.2551	-.2207	-.1873
315.000		.5297	.2670	-.4248	-.3621	-.1724	-.0562						-.2253	-.0644	-.0756

X/LS	.9580
PHI	
.000	.2145
45.000	.1348
90.000	.0474
135.000	-.0983
180.000	-.0785
225.000	-.2249
270.000	-.2536
315.000	-.0549

ALPHAO(8) = 4.010 BETAO (8) = 4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1130	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2510	.4593	.1841	-.5730	-.2471	-.2210	-.0703	-.0286	-.0302	.0089	.2266	-.2168	-.1261	.2619	.2704
45.000		.3294	.0946	-.6383	-.4104	-.2523							-.0676	.2277	.1987
90.000		.2768	.0936	-.6511	-.4922	-.0415	-.0047	-.0522	-.0884	.0609	.2457	-.1628	-.0547	.2068	.1277
135.000		.2754	.0972	-.6942	-.4945	-.0219							-.0423	.2073	.1346
180.000	1.2510	.2089	.1138	-.6436	-.3325	-.1243	.0169	-.1130	-.0423	.1190	.1878	-.2959	-.1165	.0752	-.0408
225.000		.3248	.0894	-.6026	-.4487	-.2222	-.0117						-.2375	-.1534	-.1888
270.000		.4354	.0220		-.5354	-.2555	-.1295	-.0960			.3157	-.3246	-.2589	-.2259	-.1950
315.000		.5159	.2790	-.4068	-.3229	-.0955	-.0548						-.2292	-.0624	-.0439

X/LS	.9580
PHI	
.000	.2142
45.000	.1128
90.000	.0285
135.000	.0460
180.000	-.1266
225.000	-.2296
270.000	-.2132
315.000	-.0037

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1532)

ALPHAO(8) = 4.080 BETAO (10) = 8.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2210	.4138	.1988	-.5633	-.2457	-.2253	-.0968	-.0430	-.0106	.0007	.2166	-.2345	-.1205	.2825	.2958
45.000		.2772	.0725	-.6490	-.4201	-.2913							-.0591	.2103	.1709
90.000		.2370	.0764	-.6602	-.4999	-.0439	-.0428	-.0670	-.0846	.0626	.2446	-.1756	-.0490	.2347	.1245
135.000		.2478	.0921	-.6505	-.4914	-.0255							-.0492	.2013	.1175
180.000	1.2210	.2535	.1180	-.6427	-.3399	-.1221	-.0176	-.1365	-.0206	.1163	.1901	-.3092	-.1334	.0441	-.0738
225.000		.2932	.1152	-.5844	-.4219	-.1371	-.0694						-.2543	-.1604	-.1955
270.000		.3681	.8218		-.5630	-.1386	-.1270	-.1058			.3182	-.3348	-.2734	-.2348	-.2072
315.000		.4792	.2832	-.4026	-.2730	-.0435	-.0946						-.2287	-.0306	.0255

X/LS	.9580
PHI	
.000	.2300
45.000	.0835
90.000	.0263
135.000	.0338
180.000	-.1559
225.000	-.2350
270.000	-.2334
315.000	.0675

ALPHAO(8) = 4.050 BETAO (11) = 10.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2130	.4253	.1686	-.5572	-.2475	-.2656	-.1096	-.0286	-.0294	-.0032	.1987	-.2420	-.0755	.2896	.2852
45.000		.2852	.0481	-.6572	-.4310	-.2994							-.0212	.1979	.1586
90.000		.2318	.0600	-.6608	-.5040	-.0574	-.0523	.0369	-.1145	.0753	.2313	-.1852	-.0045	.2642	.1494
135.000		.2372	.0831	-.5556	-.4827	-.0623							-.0389	.2038	.1209
180.000	1.2130	.2483	.1150	-.6338	-.3168	-.1506	-.0356	-.1253	-.0327	.1194	.1779	-.3121	-.1390	.0153	-.0945
225.000		.3053	.1250	-.5590	-.4090	-.1251	-.0931						-.2608	-.1743	-.2049
270.000		.4113	.8349		-.5427	-.1150	-.1318	-.1044			.3233	-.3465	-.2856	-.2407	-.2187
315.000		.5115	.2927	-.3833	-.2519	-.0933	-.0923						-.2187	.0058	.0731

X/LS	.9580
PHI	
.000	.2108
45.000	.0649
90.000	.0423
135.000	.0369
180.000	-.1733

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1532)

ALPHAO(8) = 4.050 BETAO (11) = 10.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2432
270.000	-.2674
315.000	.1049

ALPHAO(9) = 5.980 BETAO (1) = -9.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2940	.5964	.2362	-.5748	-.2597	-.0835	.0353	.0587	.0482	.1667	.3299	-.2442	-.3614	.0754	.1238
45.000		.6036	.2753	-.5393	-.2712	-.0477							-.1929	.3062	.3226
90.000		.4962	.2378	-.5671	-.3229	-.0664	.0007	.0908	.0449	.2270	.4181	-.0052	-.1895	.3519	.3282
135.000		.3479	.1157	-.6520	-.4410	-.1150							-.3570	.1446	.2311
180.000	1.2940	.3047	.0494	-.6421	-.2527	-.2593	.0984	.0769	.0423	.3090	.4474	-.2411	-.1856	.0886	.1813
225.000		.3223	-.0425	-.4382	-.2342	-.4176	.1202						-.2029	.0100	-.0498
270.000		.4442	.2053		-.2189	-.3323	.0934	-.0597			.1263	-.4034	-.3351	-.2404	-.1483
315.000		.5529	.2636	-.4899	-.1807	-.2415	.0527						-.3405	-.0978	-.1996

X/LS .9580

PHI	
.000	.0458
45.000	.2569
90.000	.2603
135.000	.1601
180.000	.0465
225.000	-.1645
270.000	-.1535
315.000	-.2663

ALPHAO(9) = 5.980 BETAO (2) = -7.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2900	.5956	.2433	-.5702	-.2319	-.0935	.0244	.0570	.0446	.1335	.3241	-.2289	-.3143	.1393	.1623
45.000		.5748	.2626	-.5487	-.2959	-.0711							-.1889	.3235	.3377
90.000		.4839	.2140	-.5858	-.3598	-.0787	.0072	.0688	.0195	.1809	.3922	-.0280	-.2042	.3240	.3061
135.000		.3198	.1026	-.6554	-.4429	-.0857							-.2775	.1437	.1986
180.000	1.2900	.2864	.0476	-.6448	-.2462	-.2403	.0830	.0600	.0169	.2848	.4076	-.2382	-.1302	.1577	.1011
225.000		.3004	-.0574	-.4421	-.2317	-.4033	.1221						-.1722	.0332	-.0645

APC11-716 IA14 C1+T12+S12N23+AT10 SRM BOOSTER (RB1532)

ALPHAO(9) = 5.960 BETAO (2) = -7.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2210	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4316	.7922		-.2473	-.3824	.0424	.0092			.2008	-.3871	-.3064	-.2211	-.1373
315.000		.5542	.2728	-.4808	-.2018	-.2744	.0509						-.2826	-.0780	-.1731

X/LS	.9580
PHI	
.000	.0861
45.000	.2648
90.000	.2427
135.000	.1141
180.000	.0480
225.000	-.1757
270.000	-.1544
315.000	-.2058

ALPHAO(9) = 5.940 BETAO (3) = -5.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2210	.2870	.3730	.4980	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2340	.5848	.2487	-.5677	-.2109	-.0961	.0259	.0668	.0353	.0843	.3108	-.2102	-.2519	.1737	.1885
45.000		.5330	.2431	-.5534	-.3221	-.0940							-.1687	.3239	.3275
90.000		.4133	.1705	-.6004	-.3786	-.1033	.0161	.0648	-.0147	.1258	.3734	-.0517	-.1879	.3010	.2689
135.000		.2965	.1006	-.6518	-.4887	-.0787							-.1956	.1509	.1839
180.000	1.2840	.2721	.0654	-.6617	-.2539	-.2386	.0874	.0466	-.0155	.2343	.4093	-.2244	-.1074	.2325	.2260
225.000		.2845	-.0459	-.4488	-.2778	-.4252	.1172						-.1765	.0036	-.0761
270.000		.4237	.7842		-.2378	-.4049	.0033	-.0450			.2094	-.3694	-.2993	-.2216	-.1476
315.000		.5595	.2756	-.4654	-.2464	-.2145	.0336						-.2536	-.0712	-.1520

X/LS	.9580
PHI	
.000	.1135
45.000	.2517
90.000	.2029
135.000	.0869
180.000	.0773
225.000	-.1704
270.000	-.1569
315.000	-.1923

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1S32)

ALPHAO(9) = 5.980 BETAO (4) = -3.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2820	.5794	.2312	-.5663	-.1963	-.0391	.0267	.0550	.0236	.0390	.2969	-.1919	-.1878	.2094	.2120
45.000		.5028	.2058	-.5720	-.3249	-.1202							-.1277	.3164	.3106
90.000		.3795	.1570	-.6130	-.4018	-.1202	.0519	.0370	-.0478	.0719	.3482	-.0715	-.1223	.2545	.2223
135.000		.2880	.1059	-.6507	-.4927	-.0791							-.1403	.1968	.1832
180.000	1.2820	.2759	.0676	-.6486	-.2654	-.2332	.1027	.0275	-.0419	.2090	.4048	-.2280	-.0491	.2834	.2261
225.000		.2870	-.0334	-.4720	-.3080	-.4496	.1074						-.1754	-.0149	-.0938
270.000		.4324	.7813		-.3309	-.4140	-.0131	-.0587			.2268	-.3496	-.2805	-.2170	-.1457
315.000		.5655	.2802	-.4543	-.2636	-.1948	.0224						-.2298	-.0679	-.1288

X/LS	.9580
PHI	
.000	.1465
45.000	.2369
90.000	.1583
135.000	.0825
180.000	.0959
225.000	-.1646
270.000	-.1589
315.000	-.1532

ALPHAO(9) = 5.970 BETAO (5) = -1.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2760	.5713	.2276	-.5662	-.1923	-.0925	.0078	.0362	.0072	.0072	.2721	-.1891	-.1470	.2250	.2263
45.000		.4699	.1810	-.5862	-.3426	-.1459							-.0977	.3014	.2919
90.000		.3409	.1395	-.6258	-.4225	-.1167	.0153	.0172	-.0808	.0434	.3169	-.0902	-.0838	.2312	.1905
135.000		.2765	.1053	-.6534	-.5016	-.0597							-.1456	.2484	.1810
180.000	1.2760	.2713	.0680	-.6464	-.2903	-.2229	.1058	.0033	-.0539	.1856	.3817	-.2357	-.0252	.2847	.1974
225.000		.2878	-.0309	-.5016	-.3416	-.4574	.1100						-.1761	-.0256	-.1157
270.000		.4345	.7779		-.3595	-.3953	-.0367	-.0632			.2531	-.3401	-.2719	-.2015	-.1377
315.000		.5702	.2852	-.4381	-.2810	-.1171	.0135						-.2110	-.0536	-.0893

X/LS	.9580
PHI	
.000	.1671
45.000	.2160
90.000	.1164
135.000	.0893
180.000	.0837

APC11-716 IA14 C1+T12+S12R25+AT10 SRM BOOSTER (RB1S32)

ALPHAO(9) = 5.970 BETAO (5) = -1.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1746
270.000	-.1530
315.000	-.1169

ALPHAO(9) = 5.980 BETAO (6) = .030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2680	.5528	.2292	-.5602	-.1944	-.1059	-.0086	.0233	-.0060	-.0153	.2505	-.1894	-.1316	.2518	.2600
45.000		.4307	.1652	-.5932	-.3562	-.1730							-.0818	.2806	.2667
90.000		.3104	.1225	-.6220	-.4450	-.1473	.0243	.0037	-.0074	.0441	.2893	-.1169	-.0771	.2012	.1371
135.000		.2626	.1024	-.6407	-.5034	-.0602							-.1427	.2718	.1800
180.000	1.2680	.2644	.0757	-.6577	-.5039	-.1814	.1037	-.0176	-.0400	.1817	.3201	-.2513	-.0207	.2428	.1525
225.000		.2782	-.0176	-.5976	-.3760	-.4402	.1069						-.1819	-.0517	-.1195
270.000		.4171	.1741		-.4002	-.3139	-.0955	-.0798			.2269	-.3356	-.2686	-.2016	-.1356
315.000		.5648	.2936	-.4124	-.3091	-.0506	-.0014						-.2059	-.0351	-.0621

X/LS .9580

PHI	
.000	.1970
45.000	.1916
90.000	.0804
135.000	.0946
180.000	.0583
225.000	-.1860
270.000	-.1608
315.000	-.0790

ALPHAO(9) = 5.970 BETAO (7) = 2.030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2550	.5386	.2302	-.5570	-.1892	-.1471	-.0326	.0068	-.0245	-.0316	.2551	-.1927	-.1254	.2863	.2898
45.000		.3985	.1407	-.6077	-.3658	-.2152							-.0764	.2709	.2407
90.000		.2824	.1032	-.6428	-.4674	-.1084	.0044	-.0093	-.1108	.0715	.2736	-.1360	-.0738	.1963	.1333
135.000		.2557	.0494	-.6499	-.5012	-.0475							-.1066	.3047	.1997
180.000	1.2533	.342	.0027	-.6560	-.5252	.1400	.0759	-.0386	-.0474	.1539	.2754	-.2520	-.0447	.1958	.0943
225.000		.4127	-.0101	-.6400	-.4788	-.0825	.0880						-.1945	-.0514	-.1507

ARC11-716 TA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1S32)

ALPHAO(9) = 5.970 BETAO (7) = 2.030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3912	.7679		-.4669	-.2430	-.0589	-.0835			.2415	-.3241	-.2494	-.1905	-.1397
315.000		.5508	.3122	-.3936	-.2981	-.0501	-.0049						-.1971	-.0205	-.0368

X/LS	.9580
PHI	
.000	.2311
45.000	.1741
90.000	.0582
135.000	.0952
180.000	.0125
225.000	-.1856
270.000	-.1657
315.000	-.0436

ALPHAO(9) = 5.950 BETAO (8) = 4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2380	.5061	.2262	-.5405	-.1864	-.1582	-.0617	-.0136	-.0375	-.0131	.2155	-.2062	-.1218	.2856	.2954
45.000		.3532	.1158	-.6160	-.3755	-.2577							-.0578	.2520	.2318
90.000		.2499	.0896	-.6486	-.4853	-.1185	-.0010	-.0290	-.1089	.0837	.2618	-.1481	-.0527	.1918	.1219
135.000		.2327	.0917	-.6473	-.5074	-.0220							-.0339	.2643	.1761
180.000	1.2380	.2291	.0922	-.6473	-.3381	-.1032	.0595	-.0568	-.0339	.1447	.2267	-.2755	-.0707	.1345	.0367
225.000		.2255	.0103	-.6432	-.4849	-.5025	.0308						-.2141	-.1168	-.1688
270.000		.3250	.7627		-.5038	-.1349	-.0403	-.0692			.2472	-.3063	-.2497	-.2124	-.1734
315.000		.5157	.3308	-.4108	-.2548	-.0292	-.0289						-.2134	-.0494	-.0479

X/LS	.9580
PHI	
.000	.2458
45.000	.1521
90.000	.0265
135.000	.0789
180.000	-.0500
225.000	-.2115
270.000	-.1907
315.000	-.0197

AP011-71G 1A14 01+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHA0(9) = 5.940 BETA0 (9) = 6.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2130	.4575	.2290	-.5355	-.1859	-.1715	-.0930	-.0410	-.0387	.0075	.2089	-.2155	-.1158	.3147	.3371
45.000		.2814	.0964	-.6339	-.3829	-.3005							-.0522	.2309	.1959
90.000		.1959	.0669	-.6514	-.4013	-.3255	-.0340	-.0577	-.1023	.0559	.2516	-.1586	-.0445	.1869	.1024
135.000		.2010	.0652	-.6542	-.5039	-.3917							-.0358	.2232	.1440
180.000	1.2130	.1996	.0957	-.6485	-.3078	-.0516	.0304	-.0802	-.0279	.1246	.2009	-.2894	-.1015	.1114	-.0147
225.000		.1653	.0374	-.6407	-.4733	-.1706	-.0175						-.2229	-.1229	-.1760
270.000		.2716	.7357		-.5192	-.0412	-.0393	-.0588			.2699	-.3154	-.2494	-.2103	-.1734
315.000		.4887	.3387	-.3395	-.1995	-.0440	-.0515						-.2070	-.0101	.0247

X/LS	.9580
PHI	
.000	.2760
45.000	.1187
90.000	.0027
135.000	.0617
180.000	-.0998
225.000	-.2170
270.000	-.2007
315.000	.0675

ALPHA0(9) = 5.920 BETA0 (10) = 8.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1920	.4134	.2280	-.5323	-.1849	-.1834	-.1317	-.0613	-.0285	-.0303	.2123	-.2246	-.1313	.3537	.3797
45.000		.2265	.0628	-.6513	-.3913	-.3411							-.0559	.2206	.1812
90.000		.1614	.0517	-.6703	-.5102	-.0703	-.0748	-.1120	-.0908	.0438	.2432	-.1742	-.0447	.2021	.1025
135.000		.1840	.0738	-.6445	-.5052	-.0106							-.0354	.1874	.1285
180.000	1.1920	.1573	.0962	-.6494	-.3380	-.0544	-.0206	-.1058	-.0136	.1152	.1979	-.3015	-.1250	.0901	-.0397
225.000		.1203	.0489	-.6239	-.4423	-.1343	-.0622						-.2381	-.1426	-.1902
270.000		.2134	.7112		-.5040	-.0242	-.0640	-.0714			.2848	-.3292	-.2624	-.2206	-.1880
315.000		.4521	.3460	-.2479	-.1571	-.0495	-.0790						-.2115	.0378	.1136

X/LS	.9580
PHI	
.000	.3073
45.000	.0979
90.000	-.0025
135.000	.0441
180.000	-.1254

ARC11-716 TA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHAO(9) = 5.920 BETAO (10) = 8.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2301
270.000	-.2319
315.000	.1581

ALPHAO(9) = 5.980 BETAO (11) = 10.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1840	.4566	.2212	-.5245	-.1806	-.2349	-.1440	-.0437	-.0154	-.0408	.2013	-.2336	-.1016	.3705	.3942
45.000		.2264	.0283	-.6647	-.4149	-.3944							-.0114	.2127	.1685
90.000		.1722	.0391	-.4751	-.5154	-.0939	-.1143	-.1160	-.1105	.0480	.2241	-.1838	-.0158	.2510	.1157
135.000		.0337	.0645	-.3429	-.5107	-.0465							-.0200	.1699	.1190
180.000	1.1840	.1020	.0848	-.3486	-.2957	-.1606	-.0413	-.1046	-.0393	.1161	.2023	-.3124	-.1243	.0666	-.0525
225.000		.1073	.0645	-.6125	-.4331	-.2403	-.0751						-.2433	-.1577	-.1922
270.000		.3003	.7892		-.4686	-.2647	-.0981	-.0984			.3137	-.3395	-.2769	-.2349	-.2239
315.000		.5411	.3337	-.4103	-.0528	-.1306	-.1203						-.1949	.0789	.2000

X/LS .9590

PHI	
.000	.3042
45.000	.0791
90.000	.0124
135.000	.0352
180.000	-.1391
225.000	-.2347
270.000	-.2962
315.000	.2547

ALPHAO(10) = 5.080 BETAO (1) = -9.950

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2690	.6503	.2747	-.3530	-.1699	-.0584	.0390	.0469	.0741	.1912	.3490	-.2119	-.3066	.1608	.1824
45.000		.6256	.2860	-.5252	-.2387	-.0454							-.1526	.3784	.3699
90.000		.4565	.2086	-.5819	-.3298	-.0945	-.0420	.0623	.0541	.2230	.4004	.0144	-.1761	.3045	.2617
135.000		.2808	.0591	-.6830	-.3191	-.1528							-.3728	.1018	.1119
180.000	1.2690	.2581	.0065	-.5853	-.2877	-.2566	.0080	.0610	.0771	.2750	.3454	-.2560	-.2233	.0377	.0329
225.000		.2631	-.1332	-.4360	-.2492	-.3429	.0265						-.2091	.1383	-.0350

(RB1332)

ALPHA0(10) = 8.080 BETA0 (1) = -9.950

SECTION (1)SPM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0010	.0340	.0640	.1150	.1440	.2010	.2870	.3730	.4890	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3997	.7520		-.2058	-.3241	-.3193	.09			.2705	-.3980	-.2803	-.1622	-.1009
315.000		.5791	.3055	-.4690	-.1915	-.1962	.0479						-.3068	-.0358	-.1359

X/LS .9580

PHI	
.000	.1084
45.000	.3029
90.000	.2097
135.000	.0756
180.000	-.0482
225.000	-.1444
270.000	-.1242
315.000	-.1919

ALPHA0(10) = 8.110 BETA0 (2) = -7.950

SECTION (1)SPM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0009	.0340	.0640	.1150	.1440	.2010	.2870	.3730	.4890	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2600	.6487	.2755	-.5465	-.1355	-.0542	.0460	.0798	.0645	.1572	.3352	-.1962	-.2647	.2020	.2170
45.000		.5959	.2702	-.5314	-.2572	-.0935							-.1470	.3688	.3673
90.000		.4097	.1712	-.5985	-.3598	-.1259	-.0527	.0332	.0116	.1813	.3795	-.0074	-.1900	.2800	.2328
135.000		.2546	.0462	-.6831	-.3366	-.1496							-.3580	.1147	.0959
180.000	1.2600	.2414	.0019	-.5940	-.3052	-.2577	-.0758	.0431	.0385	.2422	.3299	-.2473	-.1903	.0623	.0666
225.000		.2360	-.1576	-.3710	-.2631	-.3639	.0345						-.2204	.1219	-.0329
270.000		.3796	.7431		-.2402	-.3432	.0051	.0676			.2578	-.3898	-.2862	-.1840	-.1076
315.000		.5809	.3203	-.4450	-.2229	-.1702	.0639						-.2734	-.0317	-.1122

X/LS .9560

PHI	
.000	.1587
45.000	.2905
90.000	.1744
135.000	.0498
180.000	-.0381
225.000	-.1405
270.000	-.1254
315.000	-.1936

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHAO(10) = 8.130 BETAO (3) = -5.940

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2550	.6476	.2729	-.5467	-.1270	-.0565	.0302	.0736	.0518	.1050	.3051	-.1853	-.2118	.2400	.2494
45.000		.5504	.2445	-.5532	-.2905	-.0999							-.1347	.3616	.3567
90.000		.3669	.1391	-.6223	-.3967	-.1426	-.0627	.0156	-.0473	.1211	.3509	-.0365	-.1882	.2589	.2049
135.000		.2272	.0474	-.6943	-.4209	-.1323							-.2396	.1120	.0874
180.000	1.2550	.2231	.0179	-.6215	-.2903	-.2624	.0251	.0288	-.0108	.1914	.3200	-.2213	-.1985	.1870	.1222
225.000		.2159	-.1440	-.4401	-.2310	-.3909	.0310						-.1995	.0794	-.0543
270.000		.3695	.7258		-.2766	-.3616	.0023	.0526			.2424	-.3797	-.2903	-.2014	-.1834
315.000		.5567	.3294	-.4460	-.2363	-.1102	.0402						-.2427	-.0307	-.0962

X/LS	.9580
PHI	
.000	.1725
45.000	.2767
90.000	.1379
135.000	.0156
180.000	.0238
225.000	-.1593
270.000	-.1428
315.000	-.1260

ALPHAC(10) = 7.980 BETAC (4) = -5.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2560	.6338	.2701	-.5368	-.1258	-.0541	.0188	.0674	.0394	.0593	.2754	-.1773	-.1811	.2640	.2731
45.000		.5193	.2274	-.5598	-.3175	-.1272							-.1229	.3421	.3389
90.000		.3281	.1228	-.6282	-.4259	-.1941	-.0752	.0064	-.0808	.0690	.3354	-.0563	-.1661	.2356	.1748
135.000		.2148	.0596	-.6716	-.5189	-.1238							-.1992	.1070	.1076
180.000	1.2560	.2164	.0279	-.6512	-.2695	-.2707	.0374	.0246	-.0356	.1705	.3583	-.2070	-.2476	.2981	.2003
225.000		.2000	-.1291	-.4021	-.3189	-.4392	.0394						-.1727	.0203	-.0693
270.000		.3662	.7238		-.3207	-.3191	-.0074	-.0110			.2027	-.3437	-.2817	-.2016	-.1279
315.000		.5900	.3457	-.4438	-.2525	-.0663	.0307						-.2258	-.0332	-.0862

X/LS	.9580
PHI	
.000	.2006
45.000	.2601
90.000	.1035
135.000	.0218
180.000	.0787

AR511-718 1A14 O1+T12+S12N2L AT10 SRM BOOSTER (RB1S32)

ALPHAO(10) = 7.980 BETAO (4) = -3.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1579
270.000	-.1406
315.000	-.1093

ALPHAO(10) = 8.010 BETAO (5) = -1.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2470	.6189	.2560	-.5419	-.1345	-.0661	.0101	.0306	.0119	.0121	.2490	-.1817	-.1395	.2971	.3069
45.000		.4765	.1956	-.6913	-.3370	-.1551							-.1028	.3299	.3185
90.000		.2994	.0983	-.6406	-.4553	-.1703	-.0319	-.0300	-.1194	.0280	.3033	-.0942	-.1203	.2190	.1495
135.000		.2065	.0588	-.6714	-.5417	-.1790							-.1511	.1422	.1003
180.000	1.2470	.2127	.0879	-.6507	-.5225	-.0618	.0537	.0032	-.0449	.1456	.3519	-.2210	-.0752	.3075	.1760
225.000		.1245	-.1349	-.6732	-.3422	-.1430	.0433						-.1503	.0086	-.0062
270.000		.3569	.2006		-.3511	-.2502	-.0217	-.0444			.2014	-.3527	-.2735	-.1832	-.1166
315.000		.5971	.3436	-.4491	-.2411	-.0948	.0306						-.2033	-.0108	-.0444

X/LS .9580

PHI	
.000	.2365
45.000	.2411
90.000	.0745
135.000	.0109
180.000	.0665
225.000	-.1649
270.000	-.1425
315.000	-.0600

ALPHAO(10) = 7.930 BETAO (6) = .060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2410	.5989	.2535	-.5545	-.1416	-.0732	-.0212	.0135	.0007	-.0136	.2372	-.1821	-.1246	.3331	.3353
45.000		.4241	.1676	-.5927	-.3352	-.1339							-.0946	.3214	.2992
90.000		.2504	.0809	-.6526	-.4275	-.2043	-.0341	-.0316	-.1289	.0345	.2806	-.1064	-.0954	.2145	.1536
135.000		.1994	.0463	-.6659	-.5462	-.1872							-.0373	.1791	.0939
180.000	1.2410	.2157	.0914	-.6514	-.5265	-.0549	.0660	-.0052	-.0238	.1430	.3545	-.2455	.0181	.2875	.1478
225.000		.1260	-.1370	-.6813	-.3472	-.1430	.0548						.1547	-.0...	-.0...

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHAO(10) = 7.980 BETAO (6) = .060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2670	.3730	.4880	.6030	.7160	.8330	.8900	.9170	.9580
PHI															
270.000		.3305	.7059		-.3779	-.2053	-.0089	-.0455			.2101	-.3317	-.2612	-.1778	-.1222
315.000		.5739	.3532	-.4373	-.2371	-.0223	.0277						-.1845	.0109	-.0076

X/LS	.9580
PHI	
.000	.2669
45.000	.2229
90.000	.0491
135.000	.0059
180.000	.0486
225.000	-.1694
270.000	-.1472
315.000	-.0274

ALPHAO(10) = 7.970 BETAO (7) = 2.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2670	.3730	.4880	.6030	.7160	.8330	.8900	.9170	.9580
PHI															
.000	1.2230	.5871	.2446	-.5296	-.1558	-.1154	-.0700	-.0049	-.0220	-.0420	.2331	-.1945	-.1231	.3571	.3684
45.000		.4022	.1254	-.6110	-.3182	-.2395							-.0799	.2360	.2678
90.000		.2379	.0652	-.6667	-.4848	-.2045	-.0457	-.0318	-.1333	.0625	.2664	-.1267	-.0731	.2111	.1147
135.000		.1988	.0655	-.6729	-.5412	-.0850							-.0604	.1999	.0992
180.000	1.2230	.2047	.0364	-.6783	-.3310	-.1928	.0543	-.0159	-.0241	.1436	.2489	-.2428	-.0407	.2148	.0939
225.000		.1735	-.1228	-.5109	-.4335	-.4075	.0475						-.1855	-.0413	-.1431
270.000		.3561	.5383		-.4083	-.2069	.0200	-.0279			.2534	-.3190	-.2407	-.1760	-.1303
315.000		.5676	.3704	-.3891	-.2295	-.0411	.0174						-.1804	.0261	.0341

X/LS	.9580
PHI	
.000	.2956
45.000	.1909
90.000	.0199
135.000	.0055
180.000	.0109
225.000	-.1884
270.000	-.1534
315.000	.0404

A*C11+*16 IA14 C6+*12+S12*25+AT10 SRM BOOSTER (RB1532)

ALPHAC(10) = 7.890 BETAC (8) = 4.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L=	.0000	.0340	.0940	.1140	.1440	.2010	.2670	.3730	.4980	.6030	.7180	.8330	.8900	.9170	.9390
PH1															
.000	1.2050	.5800	.2419	-.5170	-.1498	-.1482	-.1147	-.0190	-.0274	-.0241	.2561	-.2137	-.1570	.3684	.3906
45.000		.3594	.0390	-.6224	-.3002	- 2885							-.0709	.2741	.2446
90.000		.1997	.0444	-.6705	-.4077	-.1693	-.0611	-.0256	-.1119	.0760	.2579	-.1437	-.0510	.2259	.1057
135.000		.1966	.0472	-.6689	-.5334	-.0911							.0387	.1732	.1049
180.000	1.2090	.1671	.0462	-.6679	-.3171	-.0103	.0501	-.0190	-.0197	.1445	.2042	-.2918	-.0926	.1526	.0506
225.000		.1947	-.1125	-.4919	-.4046	-.3965	.0274						-.2253	-.1549	-.1690
270.000		.6216	.3744		-.4044	-.3655	.0146	-.0327			.3410	-.3104	-.2500	-.2125	-.1732
315.000		.6648	.3996	-.3115	-.1577	-.0984	-.0037						-.2158	.0245	.0164

X/L= .9580

PH1	
.000	.3173
45.000	.1662
90.000	.0040
135.000	.0141
180.000	-.0469
225.000	-.2092
270.000	-.1486
315.000	.0830

ALPHAC(10) = 7.920 BETAC (9) = 6.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L=	.0000	.0340	.0940	.1140	.1440	.2010	.2670	.3730	.4980	.6030	.7180	.8330	.8900	.9170	.9390
PH1															
.000	1.1980	.5868	.2327	-.5110	-.1477	-.1769	-.1151	-.0511	-.0465	.0039	.2369	-.2200	-.1541	.4069	.4251
45.000		.3270	.0376	-.6441	-.3136	-.3423							-.0711	.2655	.2184
90.000		.1947	.0263	-.6628	-.4100	-.1355	-.0914	-.0644	-.1232	.0559	.2547	-.1495	-.0505	.2142	.0888
135.000		.1954	.0359	-.6651	-.5373	-.0954							-.0400	.1613	.1002
180.000	1.1990	.1974	.0340	-.6655	-.3203	-.0076	.0315	-.0519	-.0259	.1320	.1991	-.2936	-.1146	.0923	-.0168
225.000		.1719	-.1001	-.4939	-.4046	-.3965	.0274						-.2393	-.1518	-.1780
270.000		.5411	.2907		-.4046	-.4043	-.0262	-.0327			.3745	-.3146	-.2546	-.2197	-.1833
315.000		.6210	.3776	-.2770	-.1012	-.0867	-.0341						-.2188	.0529	.0801

X/L= .9580

PH1	
.000	.3440
45.000	.1593
90.000	-.0161
135.000	.0114
180.000	-.0641

APC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHAO(10) = 7.920 BETAO (9) = 6.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9530

PHI	
225.000	-.2192
270.000	-.2092
315.000	.1620

ALPHAO(10) = 7.910 BETAO (10) = 9.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1730	.5379	.2323	-.4946	-.1318	-.1846	-.1969	-.0624	-.0591	-.0369	.2196	-.2346	-.1512	.4154	.4469
45.000		.2570	.0268	-.6585	-.3446	-.3901							-.0586	.2372	.1884
90.000		.1392	.0144	-.6968	-.5195	-.1476	-.1065	-.0961	-.0997	.0322	.2419	-.1673	-.0493	.1969	.0824
135.000		.1727	.0515	-.6621	-.5314	-.0525							-.0419	.1482	.0918
180.000	1.1730	.1603	.0522	-.6657	-.5031	-.1540	-.0110	-.0782	-.0149	.1213	.2039	-.3012	-.1268	.0768	-.0357
225.000		.1215	-.0561	-.5581	-.4512	-.3174	-.0189						-.2466	-.1632	-.1897
270.000		.2757	.7167		-.4510	-.5071	-.0779	-.0729			.3572	-.3264	-.2645	-.2292	-.2092
315.000		.4060	.3716	-.2562	-.0608	-.0927	-.0802						-.2132	.1389	.2451

X/LS .9580

PHI	
.000	.3509
45.000	.1033
90.000	-.0219
135.000	.0093
180.000	-.1115
225.000	-.2254
270.000	-.2654
315.000	.2934

ALPHAO(10) = 8.060 BETAO (11) = 10.180

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1520	.4984	.2468	-.4827	-.1251	-.1921	-.2246	-.0660	-.0281	-.0757	.2017	-.2302	-.1134	.4527	.4675
45.000		.1842	-.0032	-.6768	-.3729	-.4433							.0095	.2331	.1771
90.000		.0972	-.0052	-.6948	-.5241	-.1597	-.1766	-.0933	-.1354	.0195	.2225	-.1838	-.0176	.1970	.0912
135.000		.1537	.0450	-.6645	-.5305	-.0469							-.0258	.1437	.0998
180.000	1.1520	.1407	.0612	-.6603	-.5284	-.1143	-.0428	-.0815	-.0292	.1173	.1926	-.3217	-.1304	.0716	-.0451
225.000		.0962	-.0271	-.6200	-.4968	-.2244	-.0745						-.2500	-.1666	-.1817

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHAC(10) = 8.060 BETAO (11) = 10.180

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.2079	.7218		-.4852	-.5278	-.1370	-.1043			.3241	-.3371	-.2771	-.2261	-.2707
315.000		.5580	.3498	-.1616	-.0443	-.0952	-.1207						-.1852	.2519	.3703

X/LS	.9580
PHI	
.000	.3522
45.000	.0929
90.000	-.0147
135.000	.0035
180.000	-.1277
225.000	-.2278
270.000	-.3532
315.000	.3754

ALPHAC(11) = 10.040 BETAO (1) = -9.930

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2350	.7021	.2929	- 5292	-.0821	-.0220	.0662	.1182	.1050	.2156	.3792	-.1845	-.2590	.2414	.2467
45.000		.6430	.2924	-.5107	-.2003	-.0445							-.1120	.4423	.4208
90.000		.4065	.1601	-.6010	-.3412	-.2133	-.1095	.0145	.0339	.2106	.3908	.0287	-.1680	.3135	.2414
135.000		.2110	-.0135	-.7153	-.4664	-.1762							-.3743	.0476	-.0379
180.000	1.2350	.2169	-.0412	-.6294	-.4021	-.2355	-.0299	.0200	.0681	.2498	.2986	-.2588	-.3116	.0042	-.0180
225.000		.1992	-.2221	-.2287	-.2717	-.3267	-.0136						-.2119	.1471	-.0413
270.000		.3372	.7147		-.2348	-.3214	-.0281	.0896			.3569	-.3892	-.2597	-.1372	-.0748
315.000		.6004	.3245	-.3979	-.2215	-.1246	.0728						-.2805	.0067	-.0912

X/LS	.9580
PHI	
.000	.1644
45.000	.3358
90.000	.1636
135.000	-.0585
180.000	-.0968
225.000	-.1428
270.000	-.1025
315.000	-.1587

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1S32)

ALPHAO(11) = 9.930 BETAO (2) = -7.950

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2290	.7016	.3005	-.5195	-.0710	-.0035	.0549	.0839	.0882	.1741	.3434	-.1840	-.2266	.2599	.2731
45.000		.6065	.2710	-.5231	-.2249	-.0657							-.1181	.4192	.4055
90.000		.3624	.1336	-.6172	-.3775	-.2631	-.1203	-.0162	-.0292	.1652	.3714	-.0012	-.1884	.2662	.2111
135.000		.1899	-.0173	-.7130	-.5463	-.1723							-.3805	.0854	.0003
180.000	1.2290	.2023	-.0418	-.6537	-.4054	-.2510	-.0344	.0041	.0147	.2084	.2846	-.2558	-.2379	.0340	.0148
225.000		.1725	-.2477	-.2602	-.2890	-.3689	-.0222						-.2354	.1576	-.0198
270.000		.3200	.6927		-.2695	-.2947	-.0050	.0852			.2556	-.3859	-.2808	-.1734	-.0959
315.000		.6043	.3325	-.3770	-.2286	-.0441	.0655						-.2531	-.0137	-.0852

X/LS	.9580
PHI	
.000	.1894
45.000	.3209
90.000	.1381
135.000	-.0426
180.000	-.0826
225.000	-.1222
270.000	-.1107
315.000	-.1242

ALPHAO(11) = 9.960 BETAO (3) = -5.920

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2200	.6998	.2945	-.5148	-.0741	-.0065	.0375	.0741	.0615	.1146	.3001	-.1755	-.1898	.2872	.3051
45.000		.5684	.2423	-.5430	-.2521	-.1010							-.1171	.3909	.3851
90.000		.3150	.0952	-.6418	-.4173	-.3002	-.1568	-.0289	-.0940	.1080	.3406	-.0335	-.1882	.2297	.1694
135.000		.1676	-.0273	-.7186	-.5742	-.1645							-.2983	.0982	.0193
180.000	1.2200	.1803	-.0475	-.6751	-.3793	-.2618	-.0302	-.0147	-.0409	.1462	.2735	-.2299	-.2535	.1537	.0747
225.000		.1421	-.2736	-.2931	-.3161	-.4012	-.0340						-.2022	.1074	-.0375
270.000		.3051	.6684		-.2995	-.2550	.0069	.0574			.1650	-.3806	-.2922	-.1983	-.1128
315.000		.6100	.3389	-.3374	-.2285	-.0221	.0630						-.2449	-.0173	-.0799

X/LS	.9580
PHI	
.000	.2218
45.000	.3008
90.000	.0985
135.000	-.0528
180.000	-.0359

ARC11-716 IA14 01+T12+S12+25+AT10 SRM BOOSTER (RB1532)

ALPHAO(11) = 9.960 BETAO (3) = -5.920

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1392
270.000	-.1280
315.000	-.1062

ALPHAO(11) = 9.960 BETAO (4) = -3.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2160	.6924	.2930	-.5063	-.0850	-.0256	.0255	.0745	.0474	.0643	.2885	-.1640	-.1488	.3251	.3381
45.000		.5285	.2165	-.5539	-.2707	-.1346							-.1102	.3762	.3693
90.000		.2697	.0716	-.6521	-.4452	-.3088	-.1504	-.0597	-.1336	.0626	.3140	-.0579	-.1571	.2028	.1371
135.000		.1474	-.0090	-.7018	-.5641	-.1438							-.2127	.0970	.0273
180.000	1.2160	.1651	-.0156	-.6918	-.3433	-.2506	-.0155	-.0112	-.0464	.1194	.2948	-.2221	-.2039	.2078	.0939
225.000		.1223	-.2347	-.3116	-.3231	-.4120	-.0325						-.1630	.0743	-.0554
270.000		.2915	.6567		-.3155	-.2555	.0111	.0527			.1026	-.3658	-.2833	-.1798	-.1111
315.000		.6129	.3487	-.2922	-.2111	-.0222	.0601						-.2186	.0126	-.0330

X/LS .9580

PHI	
.000	.2547
45.000	.2830
90.000	.0650
135.000	-.0562
180.000	.0030
225.000	-.1415
270.000	-.1328
315.000	-.0613

ALPHAO(11) = 9.950 BETAO (3) = -1.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2110	.6788	.2903	-.5028	-.1010	-.0453	-.0063	.0451	.0410	.0355	.3091	-.1587	-.1492	.3806	.3703
45.000		.4821	.1859	-.5744	-.2754	-.1773							-.1169	.3722	.3430
90.000		.2247	.0507	-.6865	-.4709	-.2374	-.1205	-.0879	-.1315	.0557	.2869	-.0758	-.1331	.1896	.1104
135.000		.1373	.0092	-.6972	-.5489	-.1172							-.1567	.1152	.0323
180.000	1.2110	.1660	-.0135	-.6985	-.3462	-.2632	.0059	.0080	-.0463	.1157	.2814	-.2299	-.0764	.2354	.1026
225.000		.1163	-.2309	-.3043	-.3261	-.4176	-.0218						-.1611	.0361	-.0245

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB15321)

ALPHAO(11) = 9.950 BETAO (5) = -1.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.2843	.6523		-.2957	-.2976	-.0426	.0425			.3416	-.3320	-.2560	-.1816	-.1205
315.000		.6192	.3590	-.2808	-.1827	-.0528	.0308						-.1995	.0626	.0039

X/LS	.9580
PHI	
.000	.2891
45.000	.2573
90.000	.0363
135.000	-.0575
180.000	.0249
225.000	-.1554
270.000	-.1322
315.000	-.0054

ALPHAO(11) = 9.950 BETAO (6) = .030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2000	.6800	.2857	-.4891	-.0954	-.0617	-.0402	.0049	.0190	.0031	.3179	-.1739	-.1430	.3996	.3939
45.000		.4388	.1399	-.5902	-.2384	-.2147							-.1250	.3464	.3144
90.000		.1885	.0302	-.6773	-.4967	-.2044	-.1605	-.0702	-.1308	.0650	.2718	-.0911	-.1063	.1691	.0882
135.000		.1378	.0024	-.6939	-.5291	-.1107							-.1095	.1098	.0392
180.000	1.2000	.1698	-.0075	-.6602	-.3501	-.2713	.0346	.0150	-.0209	.1107	.2282	-.2405	-.0495	.2063	.1031
225.000		.1113	-.2465	-.3259	-.3159	-.3434	.0298						-.2025	-.0277	-.1355
270.000		.2946	.6445		-.3099	-.3241	-.0529	.0180			.3935	-.3184	-.2504	-.1855	-.1189
315.000		.6306	.3919	-.2823	-.0997	-.0385	.0223						-.2051	.0821	.0342

X/LS	.9580
PHI	
.000	.3100
45.000	.2307
90.000	.0052
135.000	-.0528
180.000	.0299
225.000	-.1860
270.000	-.1388
315.000	.0410

ARC11-716 1A14 C1+T12+312N25+A710 SRM BOOSTER (RB1332)

ALPHAO(11) = 9.950 BETAO (7) = 2.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0930	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1940	.6680	.2768	-.4854	-.1018	-.0889	-.0980	-.0197	.0043	-.0230	.2899	-.1986	-.1373	.4133	.4212
45.000		.4064	.1084	-.6056	-.2414	-.2682							-.1045	.3259	.2806
90.000		.1760	.0119	-.6849	-.5002	-.2365	-.1517	-.0529	-.1187	.0678	.2549	-.1090	-.0799	.1834	.0789
135.000		.1556	.0114	-.6870	-.5464	-.1230							-.0774	.1055	.0456
180.000	1.1940	.1788	-.0033	-.6873	-.3325	-.2849	.0574	.0146	-.0033	.1209	.2020	-.2438	-.0776	.1568	.0645
225.000		.1225	-.2456	-.3502	-.3417	-.3705	.0360						-.2026	-.0404	-.1412
270.000		.2990	.6362		-.3427	-.3613	-.0344	.0096			.3924	-.3137	-.2456	-.1791	-.1109
315.000		.6501	.3951	-.2240	-.0996	-.0334	.0192						-.1978	.1147	.1104

X/LS	.9580
PHI	
.000	.3357
45.000	.1984
90.000	-.0178
135.000	-.0478
180.000	-.0112
225.000	-.1939
270.000	-.1387
315.000	.1329

ALPHAO(11) = 9.960 BETAO (8) = 4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1870	.6558	.2640	-.4790	-.0946	-.1175	-.1301	-.0418	-.0314	-.0207	.2578	-.2215	-.1608	.4232	.4299
45.000		.3653	.0714	-.6277	-.2753	-.3213							-.1095	.2961	.2451
90.000		.1404	-.0155	-.7034	-.5113	-.2607	-.1336	-.0705	-.1309	.0801	.2439	-.1366	-.0639	.1914	.0740
135.000		.1432	.0120	-.6888	-.5568	-.1213							-.0639	.1095	.0476
180.000	1.1870	.1607	.0054	-.6853	-.3309	-.2690	.0449	-.0042	-.0090	.1377	.1915	-.2835	-.1058	.0932	.0051
225.000		.1002	-.2371	-.3879	-.3965	-.3875	.0251						-.2297	-.1476	-.1730
270.000		.2832	.6155		-.3860	-.4495	-.0457	-.0108			.3886	-.3092	-.2573	-.2202	-.1720
315.000		.6613	.4021	-.1327	-.0942	-.0429	.0089						-.2220	.0848	.0998

X/LS	.9580
PHI	
.000	.3497
45.000	.1645
90.000	-.0257
135.000	-.0451
180.000	-.0627

AP(11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHAO(11) = 9.980 BETAO (8) = 4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.9580
PHI	
225.000	-.2083
270.000	-.1907
315.000	.1650

ALPHAO(11) = 10.040 BETAO (9) = 8.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1510	.6257	.2636	-.4636	-.0919	-.1448	-.1590	-.0775	-.0648	.0389	.2258	-.2383	-.1497	.4628	.4668
45.000		.2879	.0268	-.6499	-.3106	-.3841							-.0711	.2844	.2239
90.000		.0995	-.0394	-.7118	-.5115	-.2697	-.1199	-.0975	-.1397	.0513	.2349	-.144	-.0492	.2177	.0721
135.000		.1151	.0045	-.6811	-.5565	-.1213							-.0599	.1018	.0503
180.000	1.1510	.1192	.0051	-.6758	-.3497	-.2334	.0275	-.0292	-.0196	.1230	.1783	-.2946	-.1261	.0602	-.0340
225.000		.0336	-.2183	-.4350	-.4311	-.3640	.0099						-.2395	-.1568	-.1752
270.000		.1930	.6132		-.4298	-.5385	-.0691	-.0401			.3764	-.3162	-.2657	-.2261	-.1888
315.000		.6195	.4078	-.0292	-.0640	-.0442	.0065						-.2195	.1480	.2075

X/LS	.9580
PHI	
.000	.3701
45.000	.1343
90.000	-.0301
135.000	-.0450
180.000	-.1086
225.000	-.2207
270.000	-.2158
315.000	.2674

ALPHAO(11) = 10.030 BETAO (10) = 8.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1220	.5842	.2545	-.4519	-.0896	-.1663	-.1931	-.1050	-.0522	-.0837	.2033	-.2424	-.1442	.4985	.4828
45.000		.2169	-.0079	-.6748	-.3505	-.4472							-.0548	.2649	.1864
90.000		.0407	-.0549	-.7210	-.5101	-.2721	-.1648	-.1383	-.1065	.0177	.2289	-.1683	-.0507	.2086	.0620
135.000		.0962	.0137	-.6812	-.5578	-.1075							-.0596	.0920	.0493
180.000	1.1220	.0921	.0157	-.6771	-.3601	-.1791	-.0116	-.0619	-.0010	.1175	.1750	-.3185	-.1383	.0432	-.0584
225.000		-.0023	-.1649	-.5145	-.4744	-.3318	-.0230						-.2494	-.1657	-.1931

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AP11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1332)

ALPHAO(11) = 10.030 BETAO (10) = 9.160

SECTION 11SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0050	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.1024	.6290		-.4780	-.3688	-.1040	-.0828			.3571	-.3305	-.2692	-.2271	-.2348
315.000		.5981	.4054	.0575	.0012	-.0531	-.0342						-.2088	.2387	.3389

X/LS	.9580
PHI	
.000	.3739
45.000	.0964
90.000	-.0376
135.000	-.0407
180.000	-.1250
225.000	-.2192
270.000	-.2875
315.000	.3604

ALPHAO(11) = 10.070 BETAO (11) = 10.230

SECTION 11SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1140	.5424	.2696	-.4360	-.0930	-.1702	-.2102	-.0968	-.0281	-.0922	.1942	-.2184	-.1299	.5208	.4793
45.000		.1555	-.0423	-.6943	-.3984	-.4956							-.0399	.2455	.1595
90.000		-.0138	-.0614	-.7183	-.4994	-.2561	-.2506	-.1377	-.1506	-.0160	.2324	-.1773	-.0175	.2006	.0727
135.000		.0407	.0180	-.6690	-.5419	-.0960							-.0346	.0965	.0573
180.000	1.1140	.0367	.0291	-.6670	-.3593	-.1455	-.0324	-.0521	-.0294	.1049	.1701	-.3336	-.1367	.0369	-.0701
225.000		-.1085	-.1319	-.4897	-.4852	-.2951	-.0513						-.2468	-.1677	-.1804
270.000		.0631	.6405		-.4836	-.5664	-.1329	-.1069			.3283	-.3556	-.2705	-.2147	-.2906
315.000		.5841	.4025	.0938	.0859	-.0437	-.0622						-.1725	.3635	.4594

X/LS	.9580
PHI	
.000	.3724
45.000	.0733
90.000	-.0196
135.000	-.0341
180.000	-.1471
225.000	-.2205
270.000	-.3817
315.000	.4229

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1533) (17 APR 74)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.250 ELEVON = .000
RUDDER = .000 SPOBRK = .000

ALPHAO(1) = -10.340 BETAO (1) = -9.910

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3430	.2604	.0536	-.5075	-.4481	-.3808	-.4186	-.5277	-.5287	-.2130	.0248	-.3162	-.5336	-.0854	-.1879
45.000		.2369	.0616	-.5110	-.4165	-.3300							-.2648	-.2104	-.1131
90.000		.4260	.2463	-.4197	-.2411	-.0702	-.2182	-.3456	-.4045	-.4212	-.2225	-.3830	-.3292	-.0742	.2973
135.000		.5701	.4331	-.3311	-.0962	.2132							-.1047	.1072	.6271
180.000	1.3430	.7539	.4542	-.3199	.0766	.3792	.2299	.0511	.0033	.2387	.3408	-.3981	-.0536	.0974	.5421
225.000		.6643	.5023	-.2345	-.2143	.4078	.2564						-.2611	-.1779	-.0105
270.000		.4096	.8144		-.5880	-.2300	-.3006	-.1792			.0292	-.3929	-.3329	-.3026	-.2695
315.000		.2528	-.1598	-.6106	-.5801	-.3364	-.2862						-.3350	-.2705	-.2785

X/LS	.9580
PHI	
.000	-.2651
45.000	-.1084
90.000	.2302
135.000	.4384
180.000	.2991
225.000	-.1236
270.000	-.2496
315.000	-.2672

ALPHAO(1) = -10.260 BETAO (2) = -7.920

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3360	.2338	.0369	-.5058	-.4336	-.3667	-.3498	-.3999	-.6714	-.2935	.0247	-.2859	-.2978	-.0293	-.1507
45.000		.2061	.0516	-.5086	-.4271	-.3282							-.1836	-.1032	-.1119
90.000		.3636	.2201	-.4339	-.2773	-.1126	-.2615	-.3816	-.4442	-.4418	-.0886	-.3728	-.1414	-.0420	.2838
135.000		.6228	.4121	-.3418	-.1202	.1604							-.0394	.0995	.5968
180.000	1.3360	.7381	.4543	-.3135	.1049	.3362	.1846	.0161	-.0330	.1071	.2780	-.4118	-.0574	.0968	.5074
225.000		.6593	.5033	-.2214	-.1858	.3740	.2214						-.2931	-.1611	-.0237
270.000		.3998	.8050		-.5629	-.2430	-.3178	-.2026			.1438	-.3548	-.3267	-.2983	-.2878
315.000		.2237	-.1795	-.5918	-.5595	-.3457	-.3595						-.3291	-.2931	-.2752

X/LS	.9580

AP011-716 TA14 B14+T12+S12N25+AT10 SRM BOOSTER (RB1333)

ALPHAO(1) = -10.260 BETAO (2) = -7.920

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9380

PHI	
.000	-.2046
45.000	-.1111
90.000	.2569
135.000	.4158
180.000	.2822
225.000	-.0669
270.000	-.2727
315.000	-.2753

ALPHAO(1) = -10.250 BETAO (3) = -5.920

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.9900	.9170	.9390
PHI															
.000	1.3260	.1982	.0203	-.5139	-.4024	-.3534	-.7110	-.3599	-.5559	-.4254	-.0159	-.2807	-.2656	-.0294	-.1392
45.000		.1715	.0092	-.5172	-.4439	-.3220							-.1562	-.0507	-.1125
90.000		.2930	.1827	-.4559	-.3078	-.1667	-.3120	-.4373	-.4909	-.3331	-.0533	-.3516	-.0814	-.0440	.2405
135.000		.5740	.3815	-.3630	-.1431	.0962							-.0224	.0803	.5585
180.000	1.3260	.7195	.4548	-.3053	.0135	.2960	.1410	-.0274	-.0755	.0549	.2179	-.4134	-.0907	.0971	.4635
225.000		.6459	.5157	-.2135	-.1379	.3344	.1901						-.2840	-.1230	-.0491
270.000		.5489	.7960		-.5525	-.2650	-.3398	-.2195			.2880	-.3461	-.3175	-.2792	-.2824
315.000		.1749	-.2125	-.5486	-.5491	-.3599	-.3710						-.3126	-.2677	-.2367

X/LS .9580

PHI	
.000	-.1787
45.000	-.1397
90.000	.2167
135.000	.3776
180.000	.2638
225.000	-.1034
270.000	-.2829
315.000	-.2401

APC11-T16 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1533)

ALPHAO(1) = -10.240 BETAO (4) = -5.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3140	.1553	.0149	-.5163	-.4066	-.3376	-.2846	-.3257	-.4058	-.2529	-.0518	-.2793	-.3038	-.0240	-.1022
45.000		.1380	.0286	-.5200	-.4524	-.3204							-.1717	-.0271	-.0781
90.000		.2390	.1470	-.4751	-.3387	-.2106	-.3629	-.4818	-.5340	-.3041	-.0440	-.3198	-.0742	-.0479	.1851
135.000		.5245	.3483	-.3930	-.1576	.0382							-.0332	.0527	.5085
180.000	1.3140	.6986	.4486	-.2966	.1295	.2464	.1072	-.0677	-.1265	.0332	.1813	-.4023	-.1358	.0745	.4033
225.000		.6346	.5243	-.1975	-.0822	.3095	.1724						-.2522	-.1338	-.0884
270.000		.3069	.7714		-.5363	-.2791	-.3465	-.2206			.3253	-.3384	-.3035	-.2675	-.2610
315.000		.1227	-.2399	-.5276	-.5334	-.3769	-.2916						-.2944	-.2202	-.1846

X/LS .9580

PHI	
.000	-.1467
45.000	-.1373
90.000	.1947
135.000	.3452
180.000	.2465
225.000	-.1467
270.000	-.2623
315.000	-.1879

ALPHAO(1) = -10.250 BETAO (5) = -1.970

SECTION 1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3000	.1082	.0056	-.5337	-.3956	-.3291	-.2749	-.2877	-.3067	-.0955	.0004	-.2716	-.3195	-.0115	-.0586
45.000		.0949	.0205	-.5253	-.4610	-.3123							-.1981	.0015	-.0292
90.000		.1779	.1179	-.4912	-.3683	-.2624	-.4172	-.5347	-.3904	-.2747	-.0289	-.2935	-.0701	-.0341	.1077
135.000		.4745	.3563	-.4037	-.1223	-.0280							-.0524	.0243	.4024
180.000	1.3000	.6926	.4459	-.2987	.1696	.2033	.0525	-.1063	-.1803	.0286	.1026	-.3520	-.1770	.0156	.2871
225.000		.6239	.5330	-.1852	.0114	.2875	.1196						-.2932	-.1378	-.1425
270.000		.2565	.7592		-.5295	-.2903	-.3599	-.2215			.3177	-.3216	-.3086	-.2565	-.2419
315.000		.0615	-.2699	-.5345	-.5279	-.4044	-.2259						-.2880	-.1921	-.1601

X/LS .9580

PHI	
.000	-.1078
45.000	-.1021
90.000	.1549
135.000	.3145
180.000	.1806

AFC11-716 TA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1533)

ALPHA(1) = -10.250 BETA(5) = -1.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9590

PHI	
225.000	-.2015
270.000	-.2451
315.000	-.1572

ALPHA(1) = -10.180 BETA(6) = .020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2640	.0966	-.0042	-.5275	-.4016	-.3390	-.2698	-.1725	-.0902	-.0662	.0881	-.2635	-.3365	.0419	.0217
45.000		.0750	.0129	-.5267	-.4662	-.2977							-.2124	.0617	-.0105
90.000		.1369	.0941	-.5065	-.3940	-.2074	-.1656	-.5792	-.3568	-.2474	-.0254	-.2850	-.0785	-.0172	.0514
135.000		.4430	.2558	-.4213	-.0132	-.0066							-.0691	.0207	.3106
180.000	1.2840	.6923	.4206	-.2748	.1334	.1645	.0004	-.1369	-.2299	-.0326	.0020	-.3573	-.2223	.0366	.1631
225.000		.6519	.5412	-.1394	.2156	.2713	.0362						-.2925	-.1756	-.1806
270.000		.2725	.7332		-.5522	-.3012	-.2526	-.1090			.3058	-.3094	-.2961	-.2480	-.2385
315.000		.0408	-.2943	-.6522	-.6567	-.5719	-.1421						-.2742	-.1357	-.1043

X/LS .9590

PHI	
.000	-.0717
45.000	-.0786
90.000	.3898
135.000	.2610
180.000	.0682
225.000	-.2173
270.000	-.2343
315.000	-.1077

ALPHA(1) = -10.180 BETA(7) = 2.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2640	.0676	-.0167	-.5298	-.4024	-.3256	-.1980	-.1243	-.0917	-.0463	.1329	-.2527	-.2953	.1432	.1515
45.000		.0463	.0092	-.5270	-.4654	-.2791							-.1379	.1243	.0322
90.000		.0890	.0852	-.5178	-.4180	-.1417	-.1147	-.6267	-.3620	-.2283	-.0245	-.2971	-.0431	.0131	.0373
135.000		.3312	.2245	-.4416	-.1116	-.1836							-.0580	.0736	.2147
180.000	1.2640	.6546	.4168	-.2780	.1116	.2183	-.0937	-.1730	-.2538	-.0817	-.0504	-.3650	.2274	.0013	.0143
225.000		.6588	.5470	-.1147	.2444	.2911	.0634						.2693	-.1746	-.1738

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (R81333)

ALPHA0(1) = -10.180 BETA0 (7) = 2.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.2656	.7204		-.5536	-.3098	-.2001	-.1155			.2717	-.3242	-.2918	-.2455	-.2140
315.000		.0255	-.3030	-.5442	-.5594	-.4913	-.1301						-.2599	-.1093	-.0823

X/L	.9580
PHI	
.000	.0791
45.000	-.0355
90.000	.0467
135.000	.1576
180.000	-.0551
225.000	-.2117
270.000	-.2159
315.000	-.0692

ALPHA0(1) = -10.220 BETA0 (8) = 4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2440	.0180	-.0392	-.5358	-.4304	-.3098	-.1575	-.1155	-.0950	-.0531	.1915	-.2249	-.2816	.1423	.2619
45.000		.0439	-.0042	-.5290	-.4656	-.2553							-.2272	.0887	.0521
90.000		.0379	.0126	-.5362	-.4143	-.3823	-.5622	-.4741	-.3802	-.2110	-.0225	-.2501	-.1103	.0473	.0304
135.000		.0306	.1607	-.4643	-.1367	-.2265							-.1038	.0615	.0337
180.000	1.2440	.6364	.4110	-.2714	.1572	.0795	-.0670	-.2079	-.2901	-.1223	-.0815	-.3381	-.2047	-.0012	-.1095
225.000		.6310	.5547	.1053	.3023	.2345	.0453						-.2752	-.1749	-.2492
270.000		.1674	.7172		-.4532	-.2161	-.1807	-.1213			.2285	-.3407	-.2875	-.2453	-.2193
315.000		-.0624	-.3073	-.5209	-.5614	-.4900	-.1427						-.2576	-.1038	.0723

X/L	.9580
PHI	
.000	.1902
45.000	-.0107
90.000	-.0240
135.000	-.0151
180.000	-.1554
225.000	-.2559
270.000	-.2227
315.000	-.0376

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (R81333)

ALPHA0(11) = -10.250 BETA0 (9) = 6.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2180	-.0478	-.0455	-.5296	-.3807	-.2945	-.1189	-.1086	-.1078	.0086	.1697	-.2913	-.2629	.1688	.3142
45.000		.0245	-.0251	-.5319	-.4607	-.2327							-.2140	.1045	.0650
90.000		.0328	-.0408	-.5621	-.4295	-.4390	-.5732	-.4702	-.4018	-.1476	.0278	-.2634	-.1254	.0363	-.0088
135.000		.2511	.1332	-.4787	-.1743	-.2932							-.1273	-.0285	-.0494
180.000	1.2180	.5733	.4035	-.2489	.1655	.0653	-.0791	-.2272	-.2996	-.1193	-.0525	-.3287	-.2177	-.0530	-.1499
225.000		.5819	.5330	.1767	.3309	.1947	-.0027						-.2815	-.2054	-.2677
270.000		.1042	.7370		-.5532	-.3312	-.1567	-.1266			.1945	-.3513	-.3028	-.2498	-.2282
315.000		-.1857	-.2693	-.4981	-.5634	-.4710	-.1449						-.2557	-.0795	-.0623

X/LS	.9580
PHI	
.000	.2630
45.000	-.0345
90.000	-.0575
135.000	-.1102
180.000	-.1430
225.000	-.2696
270.000	-.2322
315.000	-.0283

ALPHA0(1. = -10.250 BETA0 (10) = 8.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1770	-.0955	-.0340	.5227	-.3803	-.2282	-.0975	-.0832	-.0843	-.0401	.1632	-.3386	-.2213	.2501	.3861
45.000		.0000	-.0208	-.5282	-.4550	-.2125							-.2992	.1583	.1699
90.000		.0079	-.0811	-.5761	-.4322	-.4856	-.4985	-.4853	-.3844	-.1578	.0316	-.2161	-.1514	.0986	-.0051
135.000		.1681	.0796	-.4887	-.2130	-.3484							-.1600	-.0756	-.1105
180.000	1.1770	.5186	.4451	-.2350	.1749	.0435	-.1001	-.2636	-.2987	-.0674	-.0710	-.3165	-.2179	-.1029	-.1934
225.000		.5766	.5220	.2485	.3673	.1614	-.0261						-.2955	-.2253	-.2783
270.000		.0566	.7213		-.5421	-.3353	-.1537	-.1204			.1490	-.3669	-.3067	-.2553	-.2339
315.000		-.2644	-.2206	-.4507	-.5528	-.4543	-.1472						-.2392	-.0402	.0769

X/LS	.9580
PHI	
.000	.3416
45.000	.0221
90.000	-.0606
135.000	-.1634
180.000	-.2189

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1333)

ALPHAO(1) = -10.250 BETAO (10) = 8.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2794
270.000	-.2433
315.000	.0034

ALPHAO(1) = -10.240 BETAO (11) = 10.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1300	-.1439	-.0473	-.5417	-.3762	-.2501	-.0721	-.0648	-.0349	-.0378	.1641	-.3554	-.1125	.2719	.4163
45.000		-.0369	-.0293	-.5307	-.4553	-.1584							-.3284	.1905	.3117
90.000		-.0319	-.1075	-.5915	-.4540	-.5300	-.4744	-.4876	-.4234	-.1207	.0401	-.2269	-.1807	.0779	.0120
135.000		.0941	.0519	-.5142	-.2598	-.4076							-.1971	-.0925	-.1432
180.000	1.1300	.4867	.4549	-.2276	.1765	.0197	-.0986	-.2709	-.2836	-.0879	-.0652	-.3510	-.2710	-.2102	-.2000
225.000		.5458	.5057	.3399	.3816	.1252	.0058						-.2806	-.2505	-.2452
270.000		-.0030	.6931		-.5093	-.3428	-.1617	-.1053			.1109	-.3375	-.2858	-.2716	-.2593
315.000		-.3238	-.1975	-. 144	-.5205	-.4182	-.1181						-.2414	-.0483	-.0009

X/LS .9580

PHI	
.000	.3671
45.000	.1573
90.000	-.0478
135.000	-.1835
180.000	-.2246
225.000	-.2622
270.000	-.2633
315.000	- 0334

ALPHAO(2) = -8.220 BETAO (1) = -9.940

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3680	.2899	.0971	-.4907	-.4237	-.3736	-.3591	-.3227	-.5016	-.1687	.1093	-.2602	-.3492	-.0772	-.1507
45.000		.2320	.1248	-.4821	-.3744	-.2927							-.3845	-.1389	-.0412
90.000		.4620	.2954	-.4025	-.2262	-.0190	-.1378	-.2582	-.3409	-.2421	-.1872	-.3089	-.3562	-.0022	.2988
135.000		.6437	.4286	-.3425	-.1269	.2437							-.2912	.0961	.6285
180.000	1.3680	.6883	.4291	-.3530	-.1054	.3890	.2315	.0560	.0006	.2087	.3989	-.3510	-.2449	.0239	.5425
225.000		.6287	.4559	-.2697	-.3087	.4200	.2491						-.2821	-.1839	-.1768

APC11-716 IA14 01+712+S12N25+A710 SRM BOOSTER (RB1333)

ALPHAO(2) = -8.220 BETAO (1) = -9.940

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4540	.8633		-.5711	-.2418	-.3006	-.1337			.1269	-.3601	-.2977	-.2740	-.2508
315.000		.3089	-.0504	-.5740	-.5722	-.3935	-.2117						-.2966	-.2502	-.2675

X/LS	.9580
PHI	
.000	-.2335
45.000	-.0553
90.000	.2760
135.000	.4727
180.000	.3202
225.000	-.1669
270.000	-.2461
315.000	-.2636

ALPHAO(2) = -8.240 BETAO (2) = -7.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3600	.2841	.0055	-.4928	-.4246	-.3618	-.2774	-.2640	-.4083	-.3191	.0996	-.2490	-.3231	-.0082	-.1192
45.000		.2542	.1143	-.4862	-.3895	-.2876							-.3291	-.1004	-.0805
90.000		.4087	.2648	-.4175	-.2691	-.0873	-.1770	-.0913	-.3328	-.2432	-.1953	-.0200	-.2816	-.0089	.2761
135.000		.5976	.4087	-.3554	-.1507	.1915							-.1251	.1055	.5810
180.000	1.3600	.6703	.4219	-.3533	-.0526	.3470	.1349	.0192	-.0346	.1123	.0429	-.3803	-.0645	.0982	.5097
225.000		.6233	.4623	-.2616	-.2887	.3925	.2107						-.2352	-.1514	-.0302
270.000		.4374	.3517		-.5492	-.2540	-.3266	-.1597			.2891	-.3486	-.3055	-.2802	-.2624
315.000		.2847	-.0727	-.5853	-.5492	-.4101	-.3479						-.3040	-.2488	-.2384

X/LS	.9580
PHI	
.000	-.1787
45.000	-.0578
90.000	.2570
135.000	.4292
180.000	.2988
225.000	-.0646
270.000	-.2614
315.000	-.2407

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1S33)

ALPHAO(2) = -8.240 BETAO (3) = -5.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3530	.2346	.0709	-.4904	-.4133	-.3495	-.2302	-.2239	-.2974	-.4045	.0823	-.2795	-.3185	.0335	-.1032
45.000		.2092	.0999	-.4917	-.4054	-.2756							-.2912	-.0754	-.0505
90.000		.3350	.2321	-.4348	-.2921	-.0997	-.2198	-.3372	-.4209	-.2665	-.1576	-.3326	-.2207	-.0128	.2228
135.000		.5487	.3777	-.3708	-.1760	.1324							-.0952	.0803	.5189
180.000	1.3530	.6524	.4202	-.3504	-.0038	.2994	.1443	-.0195	-.0734	.0624	.2924	-.3874	-.1292	.0847	.4671
225.000		.6165	.4715	-.2521	-.2585	.3408	.1800						-.2781	-.1309	-.0531
270.000		.4176	.8438		-.5266	-.2679	-.3449	-.1898			.3558	-.3367	-.2922	-.2584	-.2468
315.000		.2530	-.0996	-.5920	-.5292	-.4351	-.3332						-.2898	-.1981	-.1943

X/LS	.9580
PHI	
.000	-.1700
45.000	-.0559
90.000	.2376
135.000	.4016
180.000	.2852
225.000	-.0653
270.000	-.2491
315.000	-.1878

ALPHAO(2) = -8.250 BETAO (4) = -3.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3400	.1934	.0592	-.4915	-.4209	-.3724	-.3057	-.1558	-.1826	-.2260	.0339	-.2612	-.3230	.1381	-.0766
45.000		.1628	.0849	-.4962	-.4163	-.2637							-.2214	-.0266	-.0419
90.000		.2797	.2004	-.4509	-.3239	-.1380	-.2688	-.3709	-.4626	-.2697	-.0586	-.3230	-.1785	-.0027	.1962
135.000		.4997	.3449	-.3859	-.1951	.0768							-.0816	.0603	.4757
180.000	1.3400	.6327	.4159	-.3484	.0217	.2564	.1203	-.0531	-.1217	.0236	.2198	-.3715	-.1696	.0607	.4112
225.000		.6008	.4749	-.2394	-.2186	.3127	.1555						-.2790	-.1528	-.0863
270.000		.3772	.8314		-.5466	-.2860	-.3278	-.0921			.3672	-.3277	-.2873	-.2556	-.2356
315.000		.2098	-.1210	-.6054	-.5484	-.5198	-.1377						-.2886	-.1316	-.1558

X/LS	.9580
PHI	
.000	-.1435
45.000	-.0656
90.000	.2229
135.000	.3858
180.000	.2760

APC11-716 IA14 01+712+S12N25+AT10 SRM BOOSTER (RB1S33)

ALPHAO(2) = -8.250 BETAO (4) = -3.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1239
270.000	-.2429
315.000	-.1430

ALPHAO(2) = -8.250 BETAO (5) = -1.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3250	.1428	.0450	-.4974	-.4090	-.3623	-.2545	-.1340	-.2285	-.1863	.0319	-.2602	-.3185	.0436	-.0638
45.000		.1296	.0742	-.4974	-.4215	-.2490							-.2194	-.0048	-.0196
90.000		.2233	.1670	-.4639	-.3492	-.1741	-.3102	-.4108	-.3856	-.2373	-.0098	-.2831	-.1574	.0071	.1520
135.000		.4516	.3146	-.3998	-.2129	.0135							-.0682	.0413	.3617
180.000	1.3250	.6129	.4128	-.3459	-.0317	.2103	.0417	-.0887	-.1702	.0242	.1417	-.3122	-.1573	.0451	.2916
225.000		.5802	.4854	-.2224	-.1747	.2372	.0996						-.2695	-.1409	-.1297
270.000		.3211	.8164		-.5421	-.2372	-.3079	-.0947			.3587	-.3034	-.2880	-.2442	-.2355
315.000		.1398	-.1405	-.6015	-.5411	-.5006	-.1362						-.2734	-.1138	-.1124

X/LS .9580

PHI	
.000	-.1053
45.000	-.0971
90.000	.1832
135.000	.3474
180.000	.207
225.000	-.190
270.000	-.2345
315.000	-.0995

ALPHAO(2) = -8.250 BETAO (6) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3070	.1035	.0343	-.5062	-.4091	-.3458	-.1883	-.1236	-.1483	-.0508	.1228	-.2406	-.3115	.0874	.0023
45.000		.1090	.0644	-.5041	-.4330	-.2319							-.1906	.0171	-.0004
90.000		.1752	.1335	-.4947	-.3799	-.2185	-.3474	-.4558	-.3252	-.2026	.0445	-.2646	-.1029	.0114	.0993
135.000		.4046	.2777	-.4212	-.2080	-.0120							-.0736	.0430	.3103
180.000	1.3070	.5923	.4078	-.3577	-.0113	.1681	-.0174	-.1236	-.2253	-.0198	.0639	-.3175	-.2249	.0474	.1893
225.000		.4703	.4943	-.2103	-.0025	.2503	.0980						-.2663	-.1087	-.1510

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1533)

ALPHAO(2) = -8.250 BETAO (8) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.2743	.8009		-.5448	-.3104	-.2230	-.0970			.3205	-.3006	-.2807	-.2300	-.2137
315.000		.0802	-.1590	-.6102	-.5516	-.4885	-.1179						-.2614	-.0736	-.0764

X/LS	.9580
PHI	
.000	-.0593
45.000	-.0648
90.000	.1183
135.000	.2738
180.000	.1038
225.000	-.1930
270.000	-.2116
315.000	-.0971

ALPHAO(2) = -8.230 BETAO (7) = 2.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2930	.0774	.0291	-.5077	-.3975	-.3349	-.1222	-.1088	-.0989	-.0413	.1680	-.2257	-.2629	.2056	.1456
45.000		.0938	.0654	-.5007	-.4295	-.2189							-.1199	.1205	.0436
90.000		.1285	.1080	-.4920	-.3369	-.2509	-.3742	-.4600	-.3037	-.1770	.0370	-.2616	-.0240	.0507	.0976
135.000		.3573	.2392	-.4342	-.1729	-.1081							-.0462	.1153	.2542
180.000	1.2930	.5745	.4024	-.3419	.0788	.1237	-.0680	-.1645	-.2547	-.0324	-.0141	-.3265	-.2250	.0540	.0452
225.000		.5660	.5134	-.1505	-.0301	.2378	.0330						-.2529	-.1517	-.1745
270.000		.2566	.7735		-.5473	-.3155	-.1691	-.1155			.2788	-.3059	-.2787	-.2312	-.2048
315.000		.0462	-.1697	-.6080	-.5536	-.4797	-.1136						-.2446	-.0717	-.0923

X/LS	.9580
PHI	
.000	.0573
45.000	-.0251
90.000	.0754
135.000	.1918
180.000	-.0319
225.000	-.2077
270.000	-.2090
315.000	-.0878

AP011-718 1A14 C1+T12+312N23+AT10 SRM BOOSTER (RB1533)

ALPHAO(2) = -8.230 BETAO (8) = 4.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.2730	.0512	.0267	-.5095	-.4051	-.3079	-.0942	-.1003	-.0977	-.0449	.2124	-.2090	-.2677	.1696	.2768
45.000		.0861	.0557	-.4995	-.4245	-.2043							-.2658	.1029	.0555
90.000		.0943	.0764	-.5032	-.4155	-.2892	-.0932	-.3256	-.0855	-.1446	.0367	-.2499	-.1052	.0568	.0651
135.000		.3225	.2032	-.4570	-.1851	-.1775							-.0961	.0570	.0788
180.000	1.2730	.5067	.3836	-.3374	.0766	.0741	-.0796	-.1909	-.2769	-.0019	-.0475	-.3393	-.2094	-.0836	-.0883
225.000		.5805	.5006	-.0374	.0330	.2006	.0078						-.2428	-.2126	-.2008
270.000		.2224	.7796		-.5564	-.3201	-.1449	-.1164			.2410	-.3039	-.2555	-.2382	-.2355
315.000		.0029	-.1493	-.6055	-.5589	-.4752	-.1704						-.2454	-.0372	-.0682

X/LS	.9580
PHI	
.000	.1853
45.000	.0179
90.000	.0096
135.000	.0376
180.000	-.1219
225.000	-.2059
270.000	-.2383
315.000	-.0648

ALPHAO(2) = -8.220 BETAO (9) = 6.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.2560	.0009	.0262	-.5014	-.3885	-.2859	-.0720	-.0930	-.0791	.0168	.2096	-.2244	-.2572	.1599	.2985
45.000		.0636	.0412	-.4964	-.4181	-.1987							-.2970	.1236	.0550
90.000		.0923	.0254	-.5209	-.4321	-.3059	-.3547	-.2903	-.2882	-.0817	.0713	-.2499	-.1509	.0399	.0019
135.000		.2477	.1557	-.4726	-.2005	-.2469							-.1477	-.0495	-.0450
180.000	1.2560	.5109	.3764	-.3094	.0809	.0459	-.0912	-.2165	-.2900	-.0676	-.0225	-.3295	-.2469	-.1769	-.1507
225.000		.5283	.5034	-.0907	.0957	.1762	-.0222						-.2615	-.2224	-.2093
270.000		.1601	.8005		-.5568	-.3401	-.1261	-.1252			.1990	-.3147	-.2630	-.2538	-.2524
315.000		-.0727	-.1341	-.5915	-.5595	-.4791	-.1399						-.2440	-.0780	-.0853

X/LS	.9580
PHI	
.000	.2442
45.000	-.0018
90.000	-.0352
135.000	-.0917
180.000	-.1694

ARC11-716 IA14 C1+T12+S12+25+AT10 SRM BOOSTER (RB1S33)

ALPHAO(8) = -8.220 BETAO (9) = 8.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2181
270.000	-.2482
315.000	-.0320

ALPHAO(8) = -8.220 BETAO (10) = 9.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2300	-.0462	.0202	-.5075	-.3790	-.2327	-.0720	-.0569	-.0423	-.0252	.2194	-.3013	-.2119	.2300	.3673
45.000		.0345	.0246	-.5001	-.4159	-.1575							-.2826	.1868	.2106
90.000		.0599	-.0062	-.5384	-.4367	-.3209	-.3001	-.3395	-.3093	-.1115	.0658	-.2348	-.1468	.0993	.0097
135.000		.1782	.1103	-.4884	-.2217	-.3099							-.1619	-.0782	-.0916
180.000	1.2300	.4691	.3561	-.2804	.1196	.0293	-.0979	-.2500	-.2919	-.0553	-.0399	-.3239	-.2526	-.1954	-.1881
225.000		.5237	.4378	-.0760	.2001	.1412	-.0540						-.2658	-.2339	-.2242
270.000		.1277	.7088		-.5800	-.3409	-.1226	-.1276			.1527	-.3211	-.2901	-.2650	-.2478
315.000		-.1333	-.1143	-.6755	-.5563	-.4604	-.1631						-.2393	-.0571	.0003

X/LS .9580

PHI	
.000	.3253
45.000	.1062
90.000	-.0352
135.000	-.1325
180.000	-.2125
225.000	-.2365
270.000	-.2486
315.000	-.0038

ALPHAO(8) = -8.220 BETAO (11) = 10.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	9170	.9390
PHI															
.000	1.1860	-.0923	.0076	-.5091	-.3748	-.2176	-.0472	-.0359	-.0727	-.0345	.2576	-.3375	-.1426	.2622	.4435
45.000		.0028	.0081	-.5062	-.4081	-.1376							-.3105	.2055	.3559
90.000		.0206	-.0451	-.5531	-.4509	-.3549	-.2725	-.3198	-.2892	-.0992	.0736	-.2089	-.1706	.1067	.0534
135.000		.1001	.0768	-.5070	-.2480	-.3748							-.1894	-.0550	-.1253
180.000	1.1860	.4126	.4177	-.2609	.1388	.0076	-.1123	-.2588	-.3043	-.0672	-.0508	-.3315	-.2541	-.1988	-.1901
225.000		.5095	.4605	.0906	.3177	.0930	-.0597						- 2689	-.2377	-.2333

ARC11-716 IA14 C14T12+S12N25+A710 SRM BOOSTER (RB1833)

ALPHAO(2) = -6.220 BETAO (11) = 10.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.0781	.7854		-.3379	-.3602	-.1180	-.0966			.1199	-.3289	-.2858	-.2626	-.2456
315.000		-.1979	-.0931	-.5510	-.5447	-.4242	-.1237						-.2395	-.0403	.0146

X/LS	.9580
PHI	
.000	.3531
45.000	.2039
90.000	-.0046
135.000	-.1577
180.000	-.2197
225.000	-.2508
270.000	-.2490
315.000	-.0411

ALPHAO(3) = -6.280 BETAO (1) = -9.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3890	.3212	.1362	-.4754	-.3936	-.3569	-.4247	-.3036	-.2466	-.1159	.1667	-.2761	-.3628	-.1010	-.1287
45.000		.3435	.1774	-.4573	-.3375	-.2659							-.3659	-.1073	.0095
90.000		.4907	.3243	-.3862	-.2097	-.1111	-.0576	-.1857	-.2765	-.1776	.0105	-.2405	-.3172	.0569	.3055
135.000		.6159	.4148	-.3519	-.1560	.2254							-.2985	.1063	.5612
180.000	1.3890	.6335	.3925	-.3723	-.1497	.3032	.2386	.0700	.0009	.1791	.4449	-.3193	-.3581	.0009	.5311
225.000		.6008	.4254	-.2959	-.3931	.4409	.2531						-.2704	-.1669	-.1599
270.000		.4933	.9084		-.5905	-.3458	-.2940	-.0435			.1869	-.3594	-.2998	-.2800	-.2538
315.000		.3599	.0378	-.5190	-.5803	-.5515	-.1130						-.2972	-.1782	-.2824

X/LS	.9580
PHI	
.000	-.1650
45.000	-.0159
90.000	.2853
135.000	[illegible]
180.000	[illegible]
225.000	-.[illegible]54
270.000	-.2431
315.000	-.2730

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1S33)

ALPHAO(3) = -6.280 BETAO (2) = -7.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3790	.2940	.1278	-.4745	-.3990	-.3583	-.3718	-.1675	-.3170	-.1456	.1411	-.2213	-.3129	-.0316	-.0926
45.000		.2995	.1661	-.4603	-.3520	-.2726							-.3411	-.0522	.0341
90.000		.4325	.2978	-.3996	-.2421	-.1167	-.0953	-.2276	-.3215	-.1918	.0172	-.2578	-.3127	.0418	.2759
135.000		.5689	.3886	-.3630	-.1926	.1805							-.3038	.0865	.5187
180.000	1.3790	.6101	.3881	-.3712	-.1367	.3556	.1916	.0356	-.0334	.1099	.3903	-.3184	-.2858	.0128	.4654
225.000		.5878	.4247	-.2912	-.3702	.4011	.2096						-.2733	-.1436	-.1704
270.000		.4753	.9015		-.5916	-.3282	-.3122	-.0431			.2981	-.3437	-.2790	-.2610	-.2469
315.000		.3563	.0222	-.5279	-.5779	-.5386	-.1089						-.2730	-.1987	-.2430

X/LS	.9580
PHI	
.000	-.1652
45.000	.0098
90.000	.2698
135.000	.4530
180.000	.3253
225.000	-.1627
270.000	-.2398
315.000	-.2493

ALPHAO(3) = -6.300 BETAO (3) = -8.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3710	.2637	.1205	-.4661	-.4037	-.3580	-.2627	-.0895	-.1946	-.1632	.1340	-.2109	-.2952	.0134	-.0756
45.000		.2439	.1575	-.4605	-.3668	-.2714							-.3250	-.0181	.0442
90.000		.3511	.2717	-.4126	-.2709	-.1266	-.1357	-.2626	-.3494	-.2092	.0033	-.2673	-.3113	.0300	.2424
135.000		.5166	.3899	-.3711	-.1998	.1405							-.3019	.0679	.4466
180.000	1.3710	.5875	.3874	-.3658	-.1108	.3212	.1572	.0030	-.0743	.0820	.3359	-.3059	.2546	.0254	.4032
225.000		.5753	.4346	-.2909	-.3489	.3602	.1790						-.2567	-.1324	-.1573
270.000		.4580	.8930		-.5650	-.3205	-.3155	-.0438			.3468	-.3247	-.2633	-.2353	-.2260
315.000		.3092	.0080	-.5342	-.5652	-.5301	-.1072						-.2601	.1544	-.2065

X/LS	.9580
PHI	
.000	-.1472
45.000	.0202
90.000	.2468
135.000	.4261
180.000	.3038

AP[11-716 TA14 C1+712+S12N25+AT10 SRM BOOSTER (RB1533)

ALPHAC(3) = -6.300 BETAC (3) = -6.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1595
270.000	-.2268
315.000	-.2233

ALPHAC(3) = -6.260 BETAC (4) = -3.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3590	.2265	.1116	-.4652	-.4049	-.3518	-.1968	-.0977	-.1523	-.1719	.1167	-.2182	-.3020	.0845	-.0704
45.000		.1757	.1507	-.4547	-.3799	-.2600							-.2968	.0074	.0332
90.000		.3541	.2463	-.4272	-.2919	-.1771	-.1714	-.2932	-.2352	-.2137	.0562	-.2725	-.2916	.0430	.2229
135.000		.4672	.3453	-.3947	-.2226	.0998							-.2099	.0822	.4361
180.000	1.3590	.5672	.3913	-.3863	-.0999	.2949	.1047	-.0392	-.1167	.0924	.2796	-.3477	-.2214	.0560	.4181
225.000		.5639	.4406	-.2756	-.3210	.3273	.1343						-.2720	-.1461	-.0820
270.000		.4401	.0971		-.5371	-.3162	-.3074	-.0600			.3901	-.3182	-.2777	-.2447	-.2118
315.000		.2804	-.0027	-.5436	-.5420	-.5090	-.1195						-.2741	-.1033	-.1264

X/LS .9580

PHI	
.000	-.1298
45.000	.0017
90.000	.2271
135.000	.3459
180.000	.2851
225.000	-.0920
270.000	-.2100
315.000	-.1279

ALPHAC(3) = -6.180 BETAC (5) = .030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3290	.1416	.0567	-.4743	-.4211	-.3612	-.0874	-.0900	-.1062	-.0861	.1326	-.2151	-.2824	.1308	-.0048
45.000		.0945	.1114	-.4698	-.3943	-.2672							-.2457	.0419	.0407
90.000		.2711	.1967	-.4595	-.3340	-.1716	-.2273	-.2929	-.2693	-.1277	.0903	-.2235	-.2348	.0653	.1372
135.000		.3730	.2811	-.4412	-.2518	-.0418							-.1332	.0679	.3050
180.000	1.3290	.4730	.3291	-.3971	-.1444	.1444	.1111	-.0154	-.2176	-.0500	.1064	-.2813	-.1921	.0771	.3060
225.000		.4709	.3744	-.3141	-.2144	.3437	.1545						-.2555	-.1..	-.0...

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1333)

ALPHA0(3) = -8.160 BETA0 (5) = .030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4380	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3446	.8680		-.5185	-.3287	-.1880	-.0921			.3225	-.2905	-.2582	-.2256	-.1949
315.000		.1800	-.0176	-.5519	-.5227	-.4887	-.1219						-.2402	-.0691	-.0964

X/LS	.9580
PHI	
.000	-.0447
45.000	-.0147
90.000	.1466
135.000	.2761
180.000	.1260
225.000	-.1928
270.000	-.1920
315.000	-.0090

ALPHA0(3) = -5.820 BETA0 (6) = 2.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4380	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3100	.1093	.0011	-.4855	-.4054	-.3317	-.0641	-.0845	-.0759	-.0427	.2012	-.2180	-.2588	.2703	.1342
45.000		.1099	.1145	-.4753	-.3906	-.1978							-.1304	.1172	.0685
90.000		.1826	.1874	-.4693	-.3607	-.1812	-.2800	-.2384	-.2642	-.1112	.0931	-.2183	-.0552	.0923	.1348
135.000		.3317	.2659	-.4273	-.2627	-.0629							-.0552	.1146	.2591
180.000	1.3100	.5703	.3747	-.3054	-.1040	.1723	-.0601	-.1373	-.2269	.0035	.0299	-.2923	-.2045	.1004	.0935
225.000		.7141	.4672	-.2275	-.1694	.2203	.0057						-.2510	-.1386	-.1810
270.000		.2934	.6555		-.5314	-.3251	-.1479	-.1055			.2831	-.2980	-.2549	-.2141	-.1837
315.000		.1142	-.0224	-.5577	-.5335	-.4769	-.1245						-.2254	-.0654	-.0716

X/LS	.9580
PHI	
.000	.1042
45.000	.0075
90.000	.1047
135.000	.2113
180.000	-.0006
225.000	-.1974
270.000	-.1839
315.000	-.0243

A*11-716 DATA 01+712+S12N25+A710 SRM BOOSTER (RB1833)

ALPHA(3) = -6.350 BETA(7) = 6.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0960	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2940	.0391	.0805	-.4091	-.4035	-.3164	-.2542	-.2038	-.1660	-.0381	.2424	-.2092	-.2549	.1854	.2852
45.000		.1149	.1059	-.4747	-.3931	-.1829							-.2536	.1425	.0891
90.000		.1303	.1041	-.4914	-.3448	-.1555	.2537	-.2062	-.1736	-.0004	.1123	-.2039	-.1313	.0998	.1084
135.000		.2003	.2148	-.4801	-.2743	-.1276							-.1156	.1292	.1378
180.000	1.2940	.4184	.3555	-.3778	-.2004	.1727	-.0939	-.1716	-.0415	-.0408	-.0030	-.0693	-.1728	.0552	-.0494
225.000		.6206	.4681	-.2046	-.414	.1942	-.0183						-.2512	-.1226	-.2111
270.000		.2703	.8429		-.5432	-.3377	-.1347	-.1177			.2497	-.3119	-.2578	-.2171	-.1894
315.000		.0781	-.0282	-.5576	-.5440	-.4027	-.1603						-.2252	-.0297	-.0244

X/LS .8580

PHI	
.000	.2330
45.000	.0839
90.000	.0459
135.000	.0833
180.000	-.1094
225.000	-.2330
270.000	-.1874
315.000	-.0197

ALPHA(3) = -6.360 BETA(8) = 6.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2790	.0468	.0625	-.4900	-.4062	-.2694	-.2053	-.1621	-.0327	.0295	.2424	-.2110	-.2506	.2041	.3089
45.000		.0914	.0939	-.4794	-.3993	-.1557							-.2955	.2190	.1417
90.000		.1185	.0859	-.4951	-.4098	-.2119	-.2249	-.2009	-.0190	-.0189	.1202	-.2232	-.1411	.1278	.0845
135.000		.0373	.1714	-.4721	-.2741	-.1056							-.1186	.0069	-.0074
180.000	1.2760	.4551	.3422	-.3653	-.0101	.2014	-.1103	-.2006	-.2260	-.0451	.0116	-.3109	-.2109	-.1126	-.1144
225.000		.4902	.4656	-.1734	-.0332	.1401	-.0509						-.2471	-.2104	-.2015
270.000		.2147	.8439		-.5595	-.3510	-.1155	-.1189			.2213	-.3093	-.2625	-.2447	-.2323
315.000		.0182	-.0202	-.5470	-.5596	-.4640	-.1639						-.2353	-.0384	-.0381

X/LS .9590

PHI	
.000	.2568
45.000	.0933
90.000	.0511
135.000	.0926
180.000	-.1216
225.000	-.2568
270.000	-.2084
315.000	-.0219

A7C11-716 1A14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1333)

ALPHA(3) = -8.380 BETA (8) = 9.090

SECTION 1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9590

PHI	
225.000	-.2131
270.000	-.2286
315.000	.0015

ALPHA(3) = -5.270 BETA (9) = 8.100

SECTION 1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0090	.0340	.0590	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.2590	.0732	.0579	-.4921	-.3951	-.2273	-.0651	-.0400	-.0277	-.0041	.2627	-.2698	-.1910	.2427	.3868
45.000		.0611	.0678	-.4811	-.3867	-.1316							-.2535	.2865	.2897
90.000		.0964	.0834	-.5061	-.4178	-.2175	-.1915	-.2046	-.1939	-.0831	.1037	-.2290	-.1310	.1355	.0540
135.000		.1016	.1045	-.4915	-.3742	-.2653							-.1378	-.0345	-.0582
180.000	1.2594	.4145	.3357	-.3777	-.1731	.0042	-.1174	-.2334	-.2009	-.0299	-.0018	-.3189	-.2321	-.1623	-.1710
225.000		.4747	.4033	-.1719	.0134	.1234	-.0631						-.2609	-.2259	-.2162
270.000		.5061	.4434		-.1411	-.3604	-.1119	-.1139			.1922	-.3226	-.2823	-.2551	-.2331
315.000		-.1241	-.0111	-.5314	-.5046	-.4229	-.1962						-.2379	-.0327	.0244

X/LS .9590

PHI	
.000	.5243
45.000	.1975
90.000	.2148
135.000	-.0998
180.000	-.2744
225.000	-.2331
270.000	-.2357
315.000	.0015

ALPHA(3) = -8.280 BETA (10) = 10.090

SECTION 1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0090	.0340	.0590	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2350	-.0345	.0355	-.4969	-.4016	-.2057	-.0372	-.0182	-.0498	-.0315	.2845	-.3045	-.1419	.2556	.4457
45.000		-.011	.0848	-.4759	-.3934	-.1141							-.2547	.2260	.3779
90.000		.0496	.0290	-.5189	-.4190	-.2350	-.1369	-.2086	-.2096	-.0673	.1117	-.2056	-.1745	.1268	.0918
135.000		.1058	.0955	-.4956	-.3797	-.3255							.1718	-.0064	-.0836
180.000	1.2351	.3745	.3748	-.3294	-.1764	-.0089	-.1136	-.2382	-.2311	-.0328	.210	-.3484	-.2370	-.1741	-.1775
225.000		.4671	.4548	-.2120	-.1266	.0024	-.1093						-.2601	-.2283	-.2215

A=C11+T16 TA14 C1+T12+S12N25+AT10 SRM BOOSTER (BB1533)

ALPHA(31) = -8.260 BETA(10) = 10.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/S	.0000	.0340	.0940	.1140	.1440	.2710	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.1492	.8533		-.5664	-.3773	-.0741	-.0951			.1888	-.3223	-.2839	-.2596	-.2339
315.000		-.0704	.0139	-.8146	-.5594	-.3567	-.1510						-.2480	-.0168	.0334

X/S .9590

PHI	
.000	.3526
45.000	.2738
90.000	.0428
135.000	-.1213
180.000	-.2084
225.000	-.2397
270.000	-.2355
315.000	-.2061

ALPHA(41) = -4.200 BETA(11) = -9.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/S	.0000	.0340	.0940	.1140	.1440	.2710	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.4000	.3699	.1771	-.4691	-.3851	-.3047	-.3024	-.0549	-.0798	-.0080	.2142	-.2242	-.3681	-.1017	-.0957
45.000		.3911	.2231	-.4345	-.3588	-.2177							-.3313	-.0557	.0583
90.000		.5121	.4548	-.3245	-.1890	-.1042	.0142	.1112	-.1374	-.1122	.2285	-.1684	-.2649	.1213	.3342
135.000		.5809	.5908	-.1686	-.1674	-.0740							-.2845	.1102	.5241
180.000	1.4000	.5746	.5858	-.1041	-.2091	.0842	.2469	.0762	-.1008	.2633	.4849	-.0445	-.2946	-.0089	.4919
225.000		.5661	.5370	-.2045	-.4514	.2313	.2633						.2668	-.1454	-.1489
270.000		.4814	.4427		-.5476	-.5161	-.2236	-.2410			.2579	-.3454	-.3042	-.2757	-.2322
315.000		.4748	.4224	-.4703	-.5112	-.4900	-.0862						-.3095	-.1209	-.2453

X/S .9590

PHI	
.000	-.1326
45.000	.0488
90.000	.2016
135.000	.4493
180.000	.5461
225.000	.5224
270.000	.3966
315.000	.3747

ARC11-715 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (R81833)

ALPHAO(4) = -4.230 BETAO (2) = -7.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3930	.3332	.1762	-.4532	-.3645	-.3175	-.2372	-.0418	-.0917	-.0882	.1950	-.2055	-.3313	-.0665	-.0832
45.000		.3422	.2230	-.4325	-.3181	-.2217							-.3151	-.0249	.0844
90.000		.4467	.3309	-.3848	-.2265	-.1301	-.0251	-.1452	-.1301	-.1375	.2026	-.1848	-.2639	.1070	.3056
135.000		.5289	.3782	-.3696	-.2055	-.0788							-.2939	.0915	.4777
180.000	1.3930	.5455	.3628	-.3896	-.2080	.2419	.2047	.0536	-.0315	.2092	.4395	-.2827	-.3772	-.0019	.4243
225.000		.5495	.3843	-.3207	-.4471	.2661	.2176						-.2705	-.1294	-.1505
270.000		.5053	.9408		-.5416	-.5360	-.3051	-.0474			.3030	-.3405	-.2959	-.2647	-.2324
315.000		.3911	.1177	-.4882	-.5095	-.4952	-.0877						-.2803	-.1345	-.2196

X/LS	.9580
PHI	
.000	-.1369
45.000	.0703
90.000	.2797
135.000	.4301
180.000	.3410
225.000	-.1515
270.000	-.2244
315.000	- 2265

ALPHAO(4) = -4.180 BETAO (3) = -5.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3830	.3055	.1660	-.4581	-.3733	-.3203	-.1327	-.0519	-.0883	-.0899	.1742	-.1853	-.2839	-.0163	-.0623
45.000		.2985	.2089	-.4431	-.3364	-.2318							-.2929	.0317	.1219
90.000		.3811	.3018	-.4051	-.2607	-.1443	-.0500	-.1036	-.1505	-.1515	.2126	-.1890	-.2621	.1108	.2881
135.000		.4814	.3570	-.3859	-.2233	-.0078							-.2998	.0827	.4210
180.000	1.3830	.5221	.3565	-.3936	-.1965	.2604	.1693	.0200	-.0681	.1835	.3983	-.2661	-.3161	.0266	.3778
225.000		.5396	.3964	-.3214	-.4381	.2677	.1872						-.2557	-.1094	-.1448
270.000		.4949	.9327		-.5237	-.5333	-.3046	-.0429			.3618	-.3200	-.2568	-.2350	-.2221
315.000		.3671	.1042	-.4809	-.5084	-.4916	-.0832						-.2454	-.1417	-.1842

X/LS	.9580
PHI	
.000	-.1203
45.000	.0859
90.000	.2632
135.000	.4040
180.000	.3011

ARC11-716 IA14 O1+T12+S1CN25+AT10 SRM BOOSTER (P91333)

ALPHAO(4) = -4.180 BETAO (3) = -5.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1521
270.000	-.2205
315.000	-.1984

ALPHAO(4) = -4.170 BETAO (4) = -3.950

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3700	.2470	.1732	-.4502	-.3697	-.3262	-.0963	-.0564	-.0859	-.0883	.1347	-.2102	-.3009	-.0222	-.0576
45.000		.1915	.2028	-.4417	-.3427	-.2339							-.2940	.0347	.1039
90.000		.3064	.2784	-.4141	-.2950	-.1550	-.0891	-.1909	-.1716	-.1602	.1899	-.1911	-.2659	.1012	.2569
135.000		.4140	.3374	-.3943	-.2470	-.0085							-.2751	.1073	.3972
180.000	1.3700	.4896	.3382	-.3903	-.1912	.2285	.1007	-.0158	-.0944	.1479	.3425	-.3311	-.2839	.0802	.4194
225.000		.5237	.3931	-.3117	-.4192	.2517	.1245						-.2704	-.1037	-.0362
270.000		.4777	.9297		-.5139	-.4822	-.2821	-.0636			.3620	-.3051	-.2759	-.2360	-.1797
315.000		.3419	.0996	-.4812	-.5018	-.4915	-.1026						-.2640	-.0328	-.1314

X/LS .9580

PHI	
.000	-.1050
45.000	.0712
90.000	.2337
135.000	.3732
180.000	.2915
225.000	-.0693
270.000	-.1712
315.000	-.1553

ALPHAO(4) = -4.150 BETAO (5) = -2.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3600	.1982	.1692	-.4469	-.3676	-.3158	-.0613	-.0525	-.0788	-.0772	.1354	-.2121	-.2818	.0237	-.0243
45.000		.1361	.1927	-.4416	-.3473	-.2223							-.2698	.0636	.1039
90.000		.2474	.2559	-.4205	-.3032	-.1547	-.1213	-.1435	-.1897	-.1422	.1902	-.1768	-.2332	.1140	.2440
135.000		.3594	.3191	-.3906	-.2602	-.0161							-.2510	.1	.3541
180.000	1.3600	.4633	.3610	-.3847	-.1918	.2146	.0972	-.0411	-.1120	.1389	.3864	-.2401	-.2698		
225.000		.5121	.4139	-.2911	-.4134	.2653	.0710						-.2511		

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1S33)

ALPHAO(4) = -4.150 BETAO (5) = -2.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4635	.9281		-.5020	-.4832	-.2290	-.0761			.3579	-.2831	-.2568	-.2177	-.1798
315.000		.3137	.0941	-.4803	-.4956	-.4840	-.220						-.2458	-.0467	-.1094

X/LS	.9580
PHI	
.000	-.0649
45.000	.0777
90.000	.2165
135.000	.3462
180.000	.2553
225.000	-.1580
270.000	-.1716
315.000	-.1182

ALPHAO(4) = -4.080 BETAO (6) = -.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3450	.1875	.1648	-.4526	-.3678	-.3092	-.0315	-.0593	-.0615	-.0554	.1617	-.2038	-.2627	.0418	.0231
45.000		.0938	.1829	-.4422	-.3518	-.2122							-.2516	.0745	.1081
90.000		.1902	.2322	-.4317	-.3211	-.1549	-.1315	-.1033	-.1922	-.0780	.1746	-.1697	-.2535	.1294	.2288
135.000		.3101	.2940	-.4091	-.2757	-.0283							-.2643	.1099	.3294
180.000	1.3450	.4583	.3466	-.3943	-.1401	.1836	-.0100	-.0560	-.1611	.0655	.1440	-.2524	-.2858	.0954	.2567
225.000		.5193	.4137	-.2930	-.3611	.2601	.0196						-.2487	-.1325	-.1160
270.000		.4467	.9200		-.4929	-.4743	-.1871	-.0898			.3285	-.2882	-.2500	-.2165	-.1712
315.000		.2914	.0917	-.4812	-.4804	-.4732	-.1399						-.2336	-.0555	-.1115

X/LS	.9580
PHI	
.000	-.0205
45.000	.0769
90.000	.1955
135.000	.3091
180.000	.1718
225.000	-.1709
270.000	-.1696
315.000	-.1088

[illegible] DATA QUALIFICATION SRM BOOSTER (RB1333)

ALPHAC(4) = -4.210 BETAC (7) = 8.410

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1130	.1440	.2010	.2870	.3730	.4980	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.3290	.1610	.1512	-.4629	-.3730	-.3019	-.0177	-.0570	-.0499	-.0443	.2097	-.2159	-.2359	.2674	.1553
45.000		.0891	.1674	-.4514	-.3004	-.1902							-.1979	.2147	.1523
90.000		.1605	.2012	-.4407	-.2404	-.1100	-.0413	-.1091	-.1950	-.0499	.1393	-.1838	-.1674	.1563	.2135
135.000		.2826	.2651	-.4282	-.2001	-.0317							-.1405	.1417	.2837
180.000	1.3290	.4517	.3410	-.3877	-.1514	.1375	-.0764	-.1057	-.1705	.0252	.0973	-.2584	-.1724	.0923	.1092
225.000		.4043	.4191	-.3777	-.3169	.2075	-.0121						-.2402	-.1370	-.1544
270.000		.4061	.3191		-.4040	-.3000	-.1382	-.1128					-.2437	-.2097	-.1670
315.000		.2581	.0993	-.4833	-.4219	-.4010	-.1394				.3010	-.2928	-.2192	-.0646	-.0988

X/LS	.9580
PHI	
.000	.0999
45.000	.0925
90.000	.1659
135.000	.2233
180.000	.0171
225.000	-.1910
270.000	-.1696
315.000	.0486

ALPHAC(4) = -4.200 BETAC (8) = 4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1130	.1440	.2010	.2870	.3730	.4980	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.3130	.1192	.1508	-.4674	-.3786	-.2904	-.0258	-.0597	-.0417	-.0302	.2434	-.2092	-.2504	.1835	.2748
45.000		.1023	.1501	-.4567	-.3643	-.1745							-.2320	.2280	.1445
90.000		.1372	.1723	-.4567	-.3576	-.1427	-.1417	-.1083	-.1829	-.0435	.1353	-.1599	-.2048	.1333	.1532
135.000		.2674	.2284	-.4399	-.3133	-.0687							-.1540	.1365	.1704
180.000	1.3130	.4159	.3284	-.3942	-.2099	.1039	-.0984	-.1375	-.1917	-.0232	.0501	-.2366	-.1660	.0813	-.0140
225.000		.4629	.4213	-.2653	-.2799	.2051	-.0539						-.2358	-.1101	-.1870
270.000		.3091	.9056		-.5127	-.3595	-.1271	-.1264			.2683	-.3011	-.2520	-.2078	-.1708
315.000		.1575	.0900	-.4808	-.4989	-.4289	-.1696						-.2178	-.0100	.0064

X/LS	.9580
PHI	
.000	.2567
45.000	.1097
90.000	.0982
135.000	.1103
180.000	-.0437

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1533)

ALPHAO(4) = -4.200 BETAO (8) = 4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2118
270.000	-.1807
315.000	-.0016

ALPHAO(4) = -4.210 BETAO (9) = 6.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2980	.0842	.1024	-.4742	-.3761	-.2694	-.0341	-.0464	-.0346	.0189	.2505	-.2236	-.2180	.2191	.3519
45.000		.1035	.1246	-.4611	-.3707	-.1488							- 2366	.2606	.2821
90.000		.1258	.1418	-.4690	-.3771	-.1360	-.1179	-.1187	-.1813	.0099	.1655	-.1864	-.1880	.1708	.1180
135.000		.2214	.1936	-.4576	-.3205	-.1301							-.1028	.0913	.0630
180.000	1.2980	.3019	.3179	-.4094	-.2852	.0318	-.1328	-.1636	-.1649	-.0052	.0545	-.2713	-.1623	.0096	.0969
225.000		.4347	.4207	-.2494	-.2205	.1431	-.0898						-.2501	-.1456	-.2043
270.000		.2515	.8300		-.5132	-.3660	-.1301	-.1174			.2484	-.3241	-.2573	-.2168	-.1843
315.000		.1024	.0961	-.4737	-.4897	-.3692	-.1771						-.2233	.0014	.0419

X/LS .9580

PHI	
.000	.3096
45.000	.2255
90.000	.0691
135.000	-.0060
180.000	-.1445
225.000	-.2168
270.000	-.1939
315.000	.0498

ALPHAO(4) = -4.200 BETAO (10) = 8.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2780	.0595	.1036	-.4728	-.3606	-.2735	-.0469	-.0362	-.0060	-.0150	.2598	-.2451	-.1820	.2198	.3594
45.000		.0883	.1042	-.4611	-.3667	-.1229							-.2347	.2669	.3475
90.000		.1071	.1044	-.4779	-.3903	-.1303	-.1082	-.1312	-.1612	-.0137	.1489	-.1905	-.1752	.1729	.1083
135.000		.1749	.1545	-.4734	-.3219	-.1936							-.1176	.0381	-.0031
180.000	1.2780	.3537	.3059	-.3868	-.0667	-.0147	-.1294	-.1882	-.1212	.0067	.0384	-.2986	-.1873	-.1007	-.1404
225.000		.4226	.4271	-.2350	-.1399	.1086	-.1108						-.2440	-.2107	-.2035

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1S33)

ALPHAO(4) = -4.200 BETAO (10) = 8.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.2423	.8993		-.5136	-.3793	-.1294	-.1108			.2458	-.3129	-.2718	-.2462	-.2217
315.000		.0756	.1021	-.4656	.4943	-.3047	-.1667						-.2358	-.0138	.0128

X/LS	.9580
PHI	
.000	.3021
45.000	.2641
90.000	.0701
135.000	-.0575
180.000	-.1921
225.000	-.2203
270.000	-.2254
315.000	.0041

ALPHAO(4) = -4.160 BETAO (11) = 10.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2550	.0283	.1001	-.4810	-.3627	-.2431	-.0229	-.0102	-.0389	-.0280	.2625	-.2589	-.1736	.2211	.3764
45.000		.0677	.0991	-.4692	-.3763	-.0685							-.2044	.2646	.3645
90.000		.0853	.0859	-.4896	-.3961	-.1144	-.0645	-.1394	-.1839	-.0118	.1509	-.1792	-.2025	.1768	.1562
135.000		.1397	.1210	-.4927	-.3280	-.2653							-.1448	.0579	-.0329
180.000	1.2550	.3223	.3123	-.3649	-.0194	-.0340	-.0608	-.1666	-.1878	-.0004	.0144	-.3021	-.2094	-.1234	-.1538
225.000		.4078	.4197	-.2399	-.0418	.0001	-.1489						-.2555	-.2168	-.2089
270.000		.2070	.9041		-.5059	-.3098	-.0581	-.0737			.2295	-.3014	-.2764	-.2477	-.2217
315.000		.0431	.1171	-.4444	-.4746	-.2373	-.1185						-.2512	-.0122	.0051

X/LS	.9580
PHI	
.000	.3107
45.000	.2767
90.000	.0892
135.000	-.0787
180.000	-.1953
225.000	-.2278
270.000	-.2265
315.000	-.0065

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1333)

ALPHAO(5) = -2.870 BETAO (1) = -10.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.4070	.3896	.2067	-.4441	-.3378	-.2788	-.2595	-.0301	-.0542	-.0431	.2501	-.2152	-.3794	-.1167	-.0833
45.000		.4163	.2617	-.4131	-.2786	-.1862							-.3005	-.0173	.0854
90.000		.5169	.3868	-.3669	-.1886	-.0965	.0563	-.0556	-.0569	-.0829	.2894	-.1286	-.2321	.1380	.3305
135.000		.5523	.3824	-.3659	-.1992	-.0845							-.2751	.0995	.4800
180.000	1.4070	.5328	.3357	-.3982	-.2356	.0144	.2634	.0845	.0015	.2610	.5109	-.2719	-.3874	-.0254	.4694
225.000		.5420	.3559	-.3389	-.4689	.0204	.2861						-.2849	-.1310	-.1377
270.000		.5351	.9626		-.5055	-.5667	-.2810	-.0437			.2817	-.3495	-.3105	-.2694	-.2185
315.000		4363	.1744	-.4334	-.4417	-.4389	-.1155						-.3174	-.1076	-.2265

X/LS	.9580
PHI	
.000	-.1172
45.000	.0717
90.000	.3057
135.000	.4311
180.000	.3575
225.000	-.1009
270.000	-.2158
315.000	-.2585

ALPHAO(5) = -2.870 BETAO (2) = -8.030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3960	.3539	.2042	-.4392	-.3396	-.2845	-.1988	-.0324	-.0680	-.0540	.2213	-.1996	-.3416	-.0639	-.0658
45.000		.3650	.2548	-.4153	-.2930	-.1924							-.2845	0154	.1086
90.000		.4601	.3449	-.3772	-.2172	-.1218	.0211	-.0815	-.0828	-.1011	.2737	-.1395	-.2305	.1386	.3167
135.000		.4993	.3684	-.3705	-.2190	-.1080							-.2802	.0644	.4550
180.000	1.3960	.5005	.3317	-.3969	-.2377	.1169	.2169	.0616	-.0218	.2298	.4733	-.2581	-.3858	-.0100	.4245
225.000		.5250	.3552	-.3379	-.4680	.0317	.2377						-.2734	-.1259	-.1408
270.000		.5209	.9569		-.4991	-.5561	-.2963	-.0540			.3299	-.3358	-.2892	-.2608	-.2227
315.000		.4172	.1721	-.4336	-.4440	-.4364	-.1069						-.2778	-.1020	-.1959

X/LS	.9580
PHI	
.000	-.1068
45.000	.0992
90.000	.2928
135.000	.4121
180.000	.3464

A2011-716 IA14 C1+T12+S12N25+A710 SRM BOOSTER (RB1833)

ALPHAO(5) = -2.870 BETAO (2) = -8.030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9590

PHI	
225.000	-.1598
270.000	-.2153
315.000	-.2164

ALPHAO(5) = -2.870 BETAO (5) = -7.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1180	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3960	.3209	.1978	-.4392	-.3402	-.2867	-.1163	-.0299	-.0753	-.0549	.1990	-.1925	-.3110	-.0277	-.0387
													-.2743	.0359	.1288
45.000		.3056	.2434	-.4206	-.3092	-.2025									
90.000		.3752	.3199	-.3918	-.2470	-.1389	-.0184	-.0903	-.1030	-.1157	.2641	-.1449	-.2351	.1308	.2983
													-.2648	.0855	.4198
135.000		.4451	.3507	-.3830	-.2335	-.1140									
180.000	1.3960	.4762	.3510	-.3976	-.2334	.1409	.1933	.0330	-.0422	.1955	.4334	-.2520	-.3703	.0104	.3592
													-.2544	-.1015	-.1298
225.000		.5116	.3569	-.2359	-.4025	.0523	.1927								
270.000		.5070	.6519		-.4809	-.5302	-.2939	-.0603			.3489	-.3183	-.2631	-.2396	-.2136
315.000		.3947	.1618	-.4391	-.4492	-.4477	-.1913						-.2491	-.0985	-.1723

X/LS .9590

PHI	
.000	-.0958
45.000	.1135
90.000	.2764
135.000	.3921
180.000	.3236
225.000	-.1343
270.000	-.2039
315.000	-.1942

ALPHAO(5) = -2.860 BETAO (4) = -3.920

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1180	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3780	.2729	.1942	-.4365	-.3447	-.2879	-.0674	-.0335	-.0656	-.0525	.1792	-.2134	-.3167	-.0211	-.0172
													-.2671	.0547	.1374
45.000		.2159	.2336	-.4245	-.3209	-.2264									
90.000		.2767	.3084	-.4009	-.2433	-.1419	-.0211	-.0911	-.1252	-.1233	.2560	-.1374	-.2370	.1420	.2903
													-.2693	.1009	.3892
135.000		.3401	.3130	-.3727	-.2366	-.1175									
180.000	1.3780	.4486	.3311	-.3793	-.2364	.1441	.1918	.0309	-.0427	.1927	.4262	-.2417	-.3747	.0120	.4141
													-.2588	-.0954	-.1251
225.000		.5044	.3411	-.2381	-.4078	.0511	.1913								
270.000		.5000	.6447		-.4870	-.5369	-.2975	-.0611			.3440	-.3052	-.2665	-.2255	-.2059
315.000		.3893	.1600	-.4447	-.4549	-.4534	-.1937						-.2524	-.0927	-.1661

APC11-T16 1A14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1553)

ALPHA0(3) = -2.660 BETA0 (4) = -3.920

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4971	.9511		-.4776	-.4987	-.2855	-.0693			.3575	-.2932	-.2678	-.2232	-.1681
315.000		.3720	.1582	-.4408	-.4477	-.4516	-.1135						-.2556	-.0679	-.1398

X/LS	.9580
PHI	
.000	-.0580
45.000	.1136
90.000	.2499
135.000	.3630
180.000	.2269
225.000	-.0559
270.000	-.1639
315.000	-.1597

ALPHA0(5) = -2.660 BETA0 (5) = -2.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3820	.2194	.1872	-.4393	-.3453	-.2869	-.0447	-.0383	-.0579	-.0476	.2104	-.1989	-.2788	.0130	-.0052
45.000		.1571	.2197	-.4276	-.3298	-.2037							-.2529	.0860	.1507
90.000		.2560	.2717	-.4137	-.2939	-.1528	-.0780	-.0489	-.1403	-.1157	.2439	-.1245	-.2312	.1477	.2688
135.000		.3107	.3133	-.4009	-.2703	-.0497							-.2582	.1168	.3632
180.000	.3820	.4136	.3271	-.3983	-.2269	.0491	.0531	-.0214	-.0902	.1427	.3197	-.2511	-.2925	.0027	.3582
225.000		.4936	.3662	-.3910	-.4200	.0544	.0755						-.2534	-.0529	-.0433
270.000		.4990	.3439		-.4691	-.4931	-.2558	-.0812			.3516	-.2820	-.2521	-.2089	-.1687
315.000		.3859	.1517	-.4430	-.4441	-.4521	-.1350						-.2307	-.0790	-.1228

X/LS	.9580
PHI	
.000	-.0265
45.000	.1254
90.000	.2361
135.000	.3329
180.000	.2548
225.000	-.1407
270.000	-.1666
315.000	-.1439

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1333)

ALPHAO(5) = -2.850 BETAO (6) = .020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3500	.1697	.1803	-.4413	-.3488	-.2898	-.0171	-.0423	-.0491	-.0396	.2143	-.2079	-.2407	.0293	.0388
45.000		.1201	.2076	-.4309	-.3357	-.2026							-.2417	.1071	.1548
90.000		.1850	.2467	-.4234	-.3119	-.1527	-.0775	-.0510	-.1540	-.0642	.2166	-.1272	-.2359	.1458	.2402
135.000		.2612	.2905	-.4101	-.2837	-.0514							-.2568	.1165	.3269
180.000	1.3500	.3698	.3261	-.3949	-.1971	.1104	-.0052	-.0431	-.1389	.0780	.1919	-.2351	-.3052	.1066	.2881
225.000		.4930	.3812	-.3109	-.4053	.0417	.0204						-.2438	-.0997	-.0949
270.000		.4700	.9410		-.4656	-.4727	-.2040	-.0929			.3291	-.2849	-.2499	-.2074	-.1622
315.000		.3261	.1452	-.4442	-.4458	-.4494	-.1468						-.2251	-.0855	-.1220

X/LS	.9580
PHI	
.000	.0114
45.000	.1269
90.000	.2072
135.000	.2976
180.000	.2035
225.000	-.1593
270.000	-.1603
315.000	-.1332

ALPHAO(5) = -2.850 BETAO (7) = 2.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3380	.1535	.1759	-.4460	-.3494	-.2746	-.0089	-.0424	-.0347	-.0341	.2271	-.2180	-.2358	.2202	.1860
45.000		.0876	.1931	-.4370	-.3435	-.1809							-.1796	.1895	.1701
90.000		.1400	.2220	-.4346	-.3278	-.1339	-.0880	-.0519	-.1543	-.0286	.1835	-.1366	-.2250	.1877	.2491
135.000		.2309	.2627	-.4217	-.2997	-.0594							-.2414	.1525	.3056
180.000	1.3380	.4036	.3216	-.3961	-.1660	.0679	-.0458	-.0726	-.1610	.0349	.1137	-.2457	-.2109	.1149	.1389
225.000		.4932	.3854	-.3024	-.3737	.0460	-.0206						-.2356	-.1230	-.1409
270.000		.4594	.9450		-.4554	-.4584	-.1551	-.1119			.3185	-.2878	-.2435	-.2025	-.1590
315.000		.3103	.1475	-.4434	-.4378	-.4428	-.1533						-.2159	-.0577	-.0892

X/LS	.9580
PHI	
.000	.1271
45.000	.1292
90.000	.1965
135.000	.2822
180.000	.2533

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1333)

ALPHAO(5) = -2.850 BETAO (7) = 2.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9380

PHI	
225.000	-.1606
270.000	-.1644
315.000	-.0689

ALPHAO(5) = -2.770 BETAO (8) = 4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3180	.1749	.1691	-.4304	-.3507	-.2716	-.0089	-.0424	-.0283	-.0278	.2504	-.1896	-.2254	.1715	.2231
45.000		.0645	.1789	-.4394	-.3494	-.1642							-.2007	.2932	.1864
90.000		.1060	.1974	-.4429	-.3427	-.1258	-.0899	-.0532	-.1503	-.0164	.1588	-.1251	-.2288	.1984	.1954
135.000		.2172	.2396	-.4330	-.3165	-.0731							-.1506	.1461	.1813
180.000	1.3180	.4028	.3114	-.3991	-.1455	.0500	-.1127	-.1042	-.1782	.0204	.0999	-.2527	-.1315	.0535	.0027
225.000		.4970	.3938	-.2901	-.3427	.0946	-.0689						-.2118	-.1662	-.1566
270.000		.4218	.9339		-.4554	-.4504	-.1434	-.1411			.2932	-.2779	-.2352	-.2161	-.1921
315.000		.2974	.1515	-.4402	-.4338	-.4194	-.1628						-.2118	-.0429	-.0602

X/LS .9580

PHI	
.000	.2070
45.000	.1478
90.000	.1425
135.000	.1251
180.000	-.0661
225.000	-.1736
270.000	-.1956
315.000	-.0149

ALPHAO(5) = -2.790 BETAO (9) = 6.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3090	.1379	.1543	-.4539	-.3442	-.2699	-.0190	-.0389	-.0299	.0170	.2452	-.2021	-.1984	.1850	.2918
45.000		.0827	.1548	-.4470	-.3554	-.1460							-.2119	.2568	.2924
90.000		.1165	.1709	-.4510	-.3554	-.1089	-.0771	-.0636	-.1582	.0315	.1998	-.1603	-.2276	.1914	.1468
135.000		.2263	.2092	-.4451	-.3311	-.1041							-.1006	.1022	.0824
180.000	1.3090	.3879	.2968	-.4040	-.1372	.0083	-.1471	-.1280	-.1468	.0296	.0890	-.2673	-.1367	-.0058	-.0711
225.000		.4347	.3906	-.2835	-.3049	.0931	-.1047						-.2188	-.1752	-.1739

AP011-716 IA14 01+712+S12+25+A710 SRM BOOSTER (RB1S33)

ALPHA(S) = -2.790 BETA(9) = 6.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3320	.9323		-.4608	-.4364	-.1405	-.1431			.2705	-.2875	-.2482	-.2248	-.1995
315.000		.2047	.1593	-.4296	-.4216	-.3563	-.1338						-.2130	.0114	.0162

X/LS	.9580
PHI	
.000	.2346
45.000	.2359
90.000	.1059
135.000	.0191
180.000	-.1276
225.000	-.1928
270.000	-.2035
315.000	.0093

ALPHA(S) = -2.790 BETA (10) = 8.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2850	.0904	.1363	-.4594	-.3404	-.2657	-.0434	-.0323	.0075	-.0193	.2531	-.2218	-.1736	.2213	.3152
45.000		.0943	.1363	-.4549	-.3607	-.1264							-.2107	.2877	.2859
90.000		.1034	.1367	-.4610	-.3669	-.0919	-.0734	-.0930	-.1592	-.0246	.1770	-.1641	-.2147	.2136	.1444
135.000		.1741	.1688	-.4610	-.3332	-.1574							-.1040	.0789	.0304
180.000	1.2850	.3259	.2910	-.4071	-.1224	-.0355	-.1722	-.1545	-.0938	.0307	.0652	-.2965	-.1615	-.0647	-.1345
225.000		.3972	.3951	-.2679	-.2329	.0915	-.1423						-.2329	-.1956	-.1969
270.000		.2609	.9244		-.4642	-.4044	-.1503	-.1232			.2655	-.3076	-.2531	-.2294	-.2102
315.000		.1279	.1669	-.4207	-.4042	-.2870	-.1105						-.2205	.0249	.0215

X/LS	.9580
PHI	
.000	.2772
45.000	.2273
90.000	.1014
135.000	-.0295
180.000	-.1852
225.000	-.2158
270.000	-.2139
315.000	.0297

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AP311-716 1A14 C1+T12+D12125+AT10 SRM BOOSTER (RB1533)

ALPHA(5) = -2.770 BETA(11) = 10.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2620	.0397	.1282	-.4642	-.3312	-.2445	-.0140	.0006	-.0246	-.0344	.2652	-.2286	-.1699	.2874	.3878
45.000		.0623	.1079	-.4663	-.3643	-.0790							-.1791	.1954	.2839
90.000		.0956	.1060	-.4719	-.3747	-.0597	-.0452	-.1030	-.1985	-.0211	.1714	-.1617	-.2445	.2423	.1924
135.000		.1356	.1330	-.4802	-.3355	-.2139							-.1259	.1000	.0086
180.000	1.2620	.2874	.2934	-.3630	-.0985	-.0569	-.1749	-.1439	-.1473	.0707	.0399	-.2842	-.1762	-.0804	-.1445
225.000		.3754	.3660	-.2589	-.1388	.0526	-.1842						-.2440	-.2015	-.2015
270.000		.2355	.9275		-.4527	-.3069	-.1341	-.0747			.2563	-.3120	-.2657	-.2372	-.2095
315.000		.1076	.1768	-.4097	-.3037	-.2321	-.0707						-.2424	.0120	.0017

X/LS	.9580
PHI	
.000	.3164
45.000	.2188
90.000	.1212
135.000	-.0469
180.000	-.1941
225.000	-.2202
270.000	-.2162
315.000	.0133

ALPHA(6) = -.780 BETA(11) = -10.520

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.4070	.4414	.2396	-.4314	-.3049	-.2027	-.2217	-.0091	-.0258	.0094	.2990	-.2324	-.4143	-.1918	-.1055
45.000		.4804	.3009	-.3963	-.2427	-.1360							-.2622	.0399	.1214
90.000		.5455	.3810	-.3507	-.1719	-.0784	.0990	.0401	.0105	-.0174	.3695	-.0699	-.1915	.1847	.3564
135.000		.5297	.3605	-.3800	-.2164	-.1030							-.2674	.1153	.4521
180.000	1.4070	.4931	.3003	-.4175	-.2753	-.2031	.2916	.1142	.0560	.2916	.5639	-.2760	-.3785	-.0130	.4807
225.000		.5130	.2996	-.3758	-.3576	-.4574	.3567						-.2394	-.1066	-.0050
270.000		.5493	.9720		-.4101	-.4641	-.2462	-.0445			.2739	-.3808	-.3128	-.2175	-.1845
315.000		.4913	.2382	-.3969	-.3458	-.3579	-.1422						-.3507	-.1055	-.1931

X/LS	.9580
PHI	
.000	-.1102
45.000	.1122
90.000	.3259
135.000	.3975
180.000	.3480

[illegible]+A12+S12N25+AT10 SRM BOOSTER (PS1533)

ALPHA0(0) = -.760 BETA0 (1) = -10.820

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9590

PHI	
225.000	-.0512
270.000	-.1819
315.000	-.2550

ALPHA0(0) = -.730 BETA0 (2) = -8.420

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3980	.4121	.2414	-.4251	-.3039	-.2173	-.1799	-.0183	-.0468	-.0119	.2654	-.1964	-.3643	-.1125	-.0470
													-.2408	.0714	.1418
45.000		.4288	.2964	-.3967	-.2576	-.1495							-.1886	.1687	.2984
90.000		.4773	.3616	-.3600	-.2039	-.1069	.0603	.0269	-.0152	-.0409	.3577	-.0723	-.2627	.0828	.4144
135.000		.4736	.3522	-.3954	-.2383	-.1235							-.3785	-.0331	.4345
180.000	1.3690	.4553	.2979	-.4147	-.2795	-.2161	.2483	.0989	.0038	.2531	.5254	-.2651	-.2847	-.1152	-.1133
225.000		.4926	.3917	-.3718	-.3036	-.3480	.3005						-.2962	-.2513	-.2093
270.000		.5347	.3697		-.4240	-.4654	-.2710	-.0750			.3184	-.3577	-.3082	-.0860	-.1949
315.000		.4757	.2395	-.3043	-.3573	-.3514	-.1424								

X/LS .9580

PHI	
.000	-.0737
45.000	.1305
90.000	.3034
135.000	.3797
180.000	.3413
225.000	-.0932
270.000	-.2081
315.000	-.2384

ALPHA0(0) = -.730 BETA0 (3) = -8.290

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3920	.3727	.2421	-.4206	-.3041	-.2260	-.1125	-.0135	-.0518	-.0204	.2467	-.2037	-.3509	-.0870	-.0010
													-.2362	.0785	.1455
45.000		.3694	.2892	-.3997	-.2749	-.1578							-.1931	.1638	.2830
90.000		.3394	.2219	-.3814	-.2347	-.1247	.0224	.0800	-.0369	-.0609	.3489	-.0779	-.2738	.0944	.4051
135.000		.4066	.3177	-.3969	-.2554	-.1476							-.3773	-.0212	.3900
180.000	1.3620	.4184	.2716	-.4133	-.2852	-.1775	.1939	-.0017	-.0354	-.0081	.4899	-.2441	-.2973	-.0314	-.0819
225.000		.4331	.2918	-.3911	-.2981	-.3950	.2453								

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1S33)

ALPHAO(6) = -.730 BETAO (3) = -6.290

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.5220	.9682		-.4271	-.4518	-.2925	-.0822			.3426	-.3232	-.2804	-.2353	-.2006
315.000		.4474	.2389	-.3906	-.3604	-.3495	-.1458						-.2748	-.0863	-.1826

X/LS	.9580
PHI	
.000	-.0272
45.000	.1376
90.000	.2859
135.000	.3657
180.000	.3394
225.000	-.0958
270.000	-.1933
315.000	-.1968

ALPHAO(6) = -.710 BETAO (4) = -4.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3830	.3310	.2377	-.4200	-.3047	-.2319	-.0728	-.0079	-.0464	-.0223	.2615	-.1980	-.3151	-.0156	.0342
45.000		.2808	.2734	-.4031	-.2865	-.1624							-.2219	.1011	.1652
90.000		.3032	.3151	-.3895	-.2576	-.1426	-.0090	.0252	-.0515	-.0757	.3260	-.0711	-.1951	.1550	.2675
135.000		.3257	.3154	-.3949	-.2719	-.1399							-.2819	.0934	.3726
180.000	1.3830	.3875	.2066	-.4090	-.2711	.0133	.1322	.0384	-.0534	.1769	.4381	-.2420	-.3631	.0141	.3498
225.000		.4584	.2966	-.3644	-.3670	-.3738	.1655						-.2450	-.0905	-.1023
270.000		.5107	.9653		-.4200	-.4461	-.3178	-.0953			.3305	-.2983	-.2540	-.2275	-.1965
315.000		.4306	.2356	-.3898	-.3617	-.3560	-.1527						-.2529	-.0975	-.1862

X/LS	.9580
PHI	
.000	.0019
45.000	.1504
90.000	.2689
135.000	.3466
180.000	.3186
225.000	-.1178
270.000	-.1912
315.000	-.2030

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1333)

ALPHAO(6) = -.700 BETAO (5) = -2.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3670	.2813	.2343	-.4196	-.3027	-.2382	-.0336	-.0080	-.0294	-.0180	.2700	-.1873	-.2654	.0335	.0643
45.000		.2130	.2588	-.4065	-.2984	-.1691							-.2056	.1290	.1870
90.000		.2460	.2918	-.3985	-.2788	-.1517	-.0217	.0227	-.0721	-.0729	.3069	-.0645	-.2012	.1578	.2663
135.000		.2528	.3037	-.4004	-.2820	-.1034							-.2839	.0998	.3552
180.000	1.3670	.3130	.3034	-.4049	-.2614	-.0164	.0858	.0224	-.0745	.1661	.4124	-.2294	-.3392	.0479	.3125
225.000		.4528	.3106	-.3547	-.3565	-.3468	.1190						-.2226	-.0896	-.0970
270.000		.5037	.9630		-.4085	-.4366	-.3131	-.1026			.3304	-.2792	-.2314	-.2079	-.1886
315.000		.4169	.2359	-.3844	-.3573	-.3688	-.1555						-.2184	-.1056	- 1774

X/LS	.9580
PHI	
.000	.0346
45.000	.1706
90.000	.2562
135.000	.3262
180.000	.2630
225.000	-.1219
270.000	-.1979
315.000	-.1926

ALPHAO(6) = -.700 BETAO (6) = .030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3520	.1915	.2237	-.4259	-.3087	-.2358	-.0150	-.0161	-.0217	-.0161	.2506	-.2058	-.2406	.0429	.0971
45.000		.1677	.2406	-.4157	-.3119	-.1767							-.2042	.1423	.1930
90.000		.1923	.2651	-.4107	-.2990	-.1532	-.0182	.0165	-.0917	-.0516	.2741	-.0729	-.2085	.1755	.2763
135.000		.2020	.2844	-.4112	-.2958	-.0611							-.2560	.1306	.3439
180.000	1.3520	.2414	.2870	-.4085	-.2504	-.0328	.0212	.0181	-.1081	.1357	.3134	-.2209	-.3183	.0987	.3135
225.000		.4543	.3182	-.3498	-.3460	-.2100	.0577						-.2300	-.0592	-.0578
270.000		.5058	.9574		-.4027	-.4379	-.2869	-.1121			.3108	-.2722	-.2387	-.1960	-.1416
315.000		.3897	.2326	-.3890	-.3575	-.3835	-.1243						-.2154	-.0920	-.1272

X/LS	.9580
PHI	
.000	.0791
45.000	.1714
90.000	.2456
135.000	.2982
180.000	.2263

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1S33)

ALPHAO(6) = -.700 BETAO (6) = .030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.9580
PHI	
225.000	-.1248
270.000	-.1475
315.000	-.1293

ALPHAO(6) = -.700 BETAO (7) = 2.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3350	.1706	.2101	-.4366	-.3168	-.2308	-.0078	-.0310	-.0209	-.0264	.2276	-.1937	-.1655	.1127	.1525
45.000		.1321	.2167	-.4307	-.3308	-.1681							-.1424	.1707	.2110
90.000		.1462	.2323	-.4291	-.3190	-.1400	-.0209	-.0020	-.0999	-.0131	.2363	-.0916	-.1780	.2504	.2810
135.000		.1684	.2591	-.4256	-.3126	-.0556							-.2339	.1831	.3175
180.000	1.3350	.2344	.2861	-.4149	-.2367	-.0012	-.0291	-.0211	-.1371	.0700	.1839	-.2099	-.2086	.1541	.1928
225.000		.4602	.3245	-.3450	-.3297	-.1523	.0076						-.2120	-.0557	-.1250
270.000		.4989	.3547		-.4023	-.4349	-.2651	-.1403			.2768	-.2870	-.2323	-.1822	-.1381
315.000		.3722	.2263	-.3938	-.3562	-.3841	-.0608						-.1934	-.0536	-.0795

X/LS	.9580
PHI	
.000	.1279
45.000	.1684
90.000	.2322
135.000	.2452
180.000	.0759
225.000	-.1737
270.000	-.1480
315.000	-.0763

ALPHAO(6) = -.710 BETAO (8) = 4.270

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3220	.1843	.2039	-.4369	-.3104	-.2319	-.0139	-.0296	-.0161	-.0256	.2390	-.1924	-.1690	.1524	.2043
45.000		.1077	.2026	-.4369	-.3412	-.1649							-.1887	.2721	.2448
90.000		.1022	.2031	-.4377	-.3351	-.1169	-.0185	-.0041	-.1081	.0002	.2163	-.0919	-.1978	.2051	.2106
135.000		.1435	.2367	-.4348	-.3281	-.0588							-.2557	.1726	.2295
180.000	1.3220	.2966	.2791	-.4179	-.2306	-.0097	-.0815	-.0437	-.1513	.0430	.1601	-.2113	-.1578	.1420	.0413
225.000		.4296	.3350	-.3345	-.3136	-.1233	-.0376						-.2020	-.0472	-.1564

ARC11-716 TA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1S33)

ALPHAO(8) = -.710 BETAO (8) = 4.270

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.4495	.9498		-.5978	-.4176	-.2713	-.1800			.2872	-.2930	-.2286	-.1748	-.1409
315.000		.3708	.2311	-.3884	-.3412	-.3532	-.0469						-.2031	.0002	-.0119

X/LS	.9580
PHI	
.000	.1608
45.000	.2024
90.000	.1648
135.000	.1 2
180.000	-.1410
225.000	-.1818
270.000	-.1577
315.000	.0041

ALPHAO(8) = -.730 BETAO (9) = 6.350

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3060	.2469	.2003	-.4421	-.3069	-.2560	-.0341	-.0346	-.0227	.0146	.2380	-.2005	-.1789	.2244	.2850
45.000		.0905	.1728	-.4466	-.3531	-.1580							-.1905	.2635	.2315
90.000		.0677	.1820	-.4476	-.3473	-.0879	-.0162	-.0159	-.1142	.0400	.2233	-.1148	-.2227	.2446	.1992
135.000		.1462	.2056	-.4474	-.3406	-.0895							-.1325	.1453	.1096
180.000	1.3060	.3233	.2673	-.4219	-.2132	-.0481	-.1295	-.0765	-.1214	.0623	.1262	-.2390	-.1401	.0600	-.0485
225.000		.4276	.3367	-.3319	-.2849	-.1163	-.0808						-.2290	-.1286	-.1686
270.000		.4279	.9394		-.3975	-.3934	-.2682	-.1947			.3252	-.3002	-.2485	-.1994	-.1540
315.000		.3556	.2397	-.3815	-.3260	-.3173	-.0626						-.2142	.0214	.0261

X/LS	.9580
PHI	
.000	.2661
45.000	.1800
90.000	.1535
135.000	.0419
180.000	-.1095
225.000	-.1893
270.000	-.1662
315.000	.0542

AR311-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1333)

ALPHAO(6) = -.750 BETAO (10) = 8.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2890	.2307	.1796	-.4473	-.3036	-.2467	-.0508	-.0346	.0103	-.0202	.2476	-.2178	-.1573	.2781	.3627
45.000		.0697	.1543	-.4541	-.3619	-.1473							-.1777	.2049	.2619
90.000		.0408	.1603	-.4536	-.3545	-.0595	-.0268	-.0181	-.0938	.0298	.2117	-.1291	-.2419	.2987	.2215
135.000		.1739	.1925	-.4570	-.3516	-.1157							-.1019	.1298	.0687
180.000	1.2890	.3213	.2601	-.4251	-.1961	-.0959	-.1645	-.1024	-.0715	.0631	.1103	-.2738	-.1566	.0043	-.0942
225.000		.4379	.3367	-.3273	-.2601	-.1189	-.1249						-.2406	-.1460	-.1845
270.000		.4344	.9384		-.3967	-.3710	-.2563	-.1885			.3026	-.3511	-.2455	-.2071	-.1718
315.000		.3529	.2390	-.3798	-.3144	.2959	-.0762						-.2052	.0447	.0439

X/LS	.9580
PHI	
.000	.3218
45.000	.1977
90.000	.1706
135.000	.0033
180.000	-.1531
225.000	-.2047
270.000	-.1797
315.000	.0544

ALPHAO(6) = -.750 BETAO (11) = 10.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2670	.1739	.1716	-.4488	-.2918	-.2470	-.0209	-.0103	-.0222	-.0374	.2517	-.1959	-.1619	.3156	.3870
45.000		.0923	.1381	-.4621	-.3659	-.1046							-.1780	.2561	.3089
90.000		.0687	.1369	-.4576	-.3548	-.0265	-.0007	-.0361	-.1232	.0164	.2077	-.1361	-.2619	.2818	.2494
135.000		.1407	.1911	-.4660	-.3492	-.1533							-.1098	.1871	.0573
180.000	1.2670	.2753	.2601	-.4213	-.1766	-.1048	-.1222	-.1101	-.1243	.0478	.0829	-.2875	-.1546	-.0415	-.1344
225.000		.3776	.3501	-.3084	-.1938	-.1058	-.1845						-.2404	-.1844	-.1924
270.000		.3328	.9438		-.3855	-.3421	-.2203	-.0998			.2818	-.3067	-.2538	-.2257	-.1972
315.000		.2706	.2458	-.3894	-.3000	-.2561	-.0493						-.2330	.0083	-.0114

X/LS	.9580
PHI	
.000	.3142
45.000	.2436
90.000	.1611
135.000	-.0019
180.000	-.1844

AP611-716 TA14 [illegible] SRM BOOSTER (PB1833)

ALPHAO(6) = -.750 BETAO (11) = 10.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2146
270.000	-.2030
315.000	.0203

ALPHAO(7) = 2.010 BETAO (1) = -10.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.4040	.4993	.2947	-.4075	-.2545	-.1369	-.1009	.0053	-.0095	.0385	.3468	-.2084	-.3765	-.1590	-.0838
													-.1869	.1448	.1809
45.000		.5299	.3391	-.3738	-.2052	-.0836							-.1321	.2358	.2754
90.000		.5501	.3772	-.3606	-.1799	-.0926	-.0694	.1170	.0630	.0257	.4433	.0058	-.2502	.0697	.3480
135.000		.4565	.3169	-.4020	-.2583	-.1200							-.3599	-.0393	.4203
180.000	1.4040	.4190	.2519	-.4376	-.3150	-.2129	.2031	.1496	.0786	.2931	.5878	-.2537	-.3070	-.0799	.0319
225.000		.4612	.2272	-.4191	-.3024	-.4608	.2260						-.3154	-.2088	-.1633
270.000		.5429	.9685		-.3166	-.3498	-.2814	-.1661			.2438	-.3760	-.3609	-.1163	-.1705
315.000		.5333	.3123	-.3500	-.2660	-.2557	-.1213								

X/LS .9580

PHI	
.000	-.0854
45.000	.1659
90.000	.2992
135.000	.3409
180.000	.3185
225.000	-.0093
270.000	-.1578
315.000	-.2413

ALPHAO(7) = 2.000 BETAO (2) = -8.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3980	.4786	.2888	-.4056	-.2542	-.1559	-.0648	.0069	-.0117	.0113	.3446	-.1896	-.3395	-.0778	.0051
45.000		.4833	.3308	-.3707	-.2239	-.0857							-.1746	.1608	.2022
90.000		.4687	.3544	-.3741	-.2103	-.0536	-.0401	.1139	.0319	.0032	.4271	-.0009	-.1385	.2269	.2690
135.000		.4256	.3245	-.3935	-.2182	-.1350							-.2338	.0800	.3549
180.000	.3960	.5883	.2946	-.4[illegible]	-.3[illegible]	-.2[illegible]	.1723	.1135	.0473	.2504	.5612	-.0472	-.5622	-.0196	.4157
225.000													-.[illegible]	-.[illegible]	-.[illegible]

ARC11-716 IA14 O1+T1Z+S12N25+AT10 SRM BOOSTER (RB1S33)

ALPHAO(1) = 2.000 BETAO (2) = -8.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.5282	.9622		-.3283	-.3607	-.3001	-.1534			.2504	-.3440	-.2948	-.2187	-.1719
315.000		.5170	.5141	-.3472	-.2810	-.2624	-.1150						-.3114	-.0817	-.1696

X/LS	.9580
PHI	
.000	.0019
45.000	.1823
90.000	.2857
135.000	.3295
180.000	.3139
225.000	-.0435
270.000	-.1564
315.000	-.2183

ALPHAO(1) = 2.000 BETAO (3) = -6.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3870	.4463	.2870	-.4040	-.2560	-.1688	-.0444	-.0009	-.0195	.0061	.3373	-.1644	-.3065	-.0133	.0696
45.000		.4238	.3160	-.3861	-.2449	-.1229							-.1763	.1585	.2025
90.000		.3914	.3314	-.3959	-.2402	-.1350	-.0077	.1007	.0064	-.0177	.4062	-.0098	-.1479	.2107	.2441
135.000		.3392	.2907	-.4135	-.2967	-.1440							-.2494	.0857	.3426
180.000	1.3870	.3458	.2364	-.4347	-.3245	-.2372	.1336	.0960	.0022	.2258	.5351	-.2402	-.3632	-.0116	.3742
225.000		.4131	.2258	-.4265	-.3147	-.4696	.1892						-.2512	-.0805	-.0124
270.000		.5136	.9577		-.3364	-.3719	-.3181	-.1584			.2379	-.3186	-.2719	-.2200	-.1696
315.000		.5179	.3167	-.3438	-.2930	-.2703	-.1006						-.2767	-.0798	-.1804

X/LS	.9580
PHI	
.000	.0584
45.000	.1903
90.000	.2577
135.000	.3148
180.000	.3084
225.000	-.0696
270.000	-.1641
315.000	-.2137

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (R81333)

ALPHAO(7) = 1.920 BETAO (4) = -3.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3780	.4191	.2853	-.4047	-.2592	-.1806	-.0366	.0025	-.0114	-.0020	.3220	-.1883	-.2797	.0395	.1054
45.000		.3581	.2991	-.3939	-.2656	-.1426							-.1760	.1627	.2118
90.000		.3087	.3074	-.3973	-.2666	-.1539	.0017	.0805	-.0169	-.0418	.3765	-.0216	-.1595	.2013	.2432
135.000		.2472	.2790	-.4166	-.3086	-.1360							-.2593	.1062	.5445
180.000	1.3780	.3033	.2344	-.4316	-.3115	-.2061	.1087	.0701	-.0261	.1943	.4974	-.2318	-.3606	.0215	.3844
225.000		.3961	.2062	-.4229	-.3210	-.4690	.1596						-.2368	-.0543	-.0161
270.000		.5026	.9555		-.3450	-.4034	-.2504	-.1517			.2613	-.3143	-.2483	-.1983	-.1569
315.000		.4822	.3143	-.3432	-.2949	-.2908	-.0497						-.2436	-.0794	-.1606

X/LS	.9580
PHI	
.000	.0696
45.000	.1918
90.000	.2493
135.000	.5059
180.000	.2963
225.000	-.0675
270.000	-.1529
315.000	-.1740

ALPHAO(7) = 1.920 BETAO (5) = -2.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3630	.3610	.2770	-.4089	-.2632	-.1957	-.0399	.0050	-.0078	-.0067	.2761	-.1742	-.2195	.0683	.1042
45.000		.2823	.2786	-.4028	-.2854	-.1543							-.1703	.1700	.2075
90.000		.2419	.2920	-.4092	-.2900	-.1593	.0035	.0741	-.0345	-.0531	.3576	-.0344	-.1743	.1940	.2439
135.000		.1937	.2679	-.4200	-.3116	-.1442							-.2615	.1257	.3351
180.000	1.3630	.2526	.2429	-.4284	-.2963	-.0816	.0807	.0577	-.0555	.1732	.4445	-.2438	-.3546	.0713	.3367
225.000		.3828	.2184	-.4142	-.3330	-.4278	.1339						-.2254	-.0311	-.0179
270.000		.4928	.9528		-.3708	-.4485	-.0363	-.0799			.2845	-.3041	-.2372	-.1836	-.1392
315.000		.4704	.3130	-.3432	-.2916	-.3381	-.0121						-.2068	-.0832	-.1102

X/LS	.9580
PHI	
.000	.0760
45.000	.1819
90.000	.2336
135.000	.2869
180.000	.2573

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1533)

ALPHAO(7) = 1.920 BETAO (5) = -2.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.0799
270.000	-.1439
315.000	-.1269

ALPHAO(7) = 1.920 BETAO (6) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3500	.3067	.2736	-.4125	-.2647	-.1859	-.0391	-.0124	-.0077	-.0093	.2602	-.1626	-.1948	.1032	.1451
45.000		.2293	.2564	-.4131	-.3011	-.1692							-.1489	.1593	.1785
90.000		.1878	.2580	-.4195	-.3077	-.1659	.0160	.0463	-.0486	-.0410	.2962	-.0525	-.1814	.1971	.2331
135.000		.1521	.2514	-.4245	-.3196	-.1198							-.2658	.1413	.3333
180.000	1.3500	.1722	.2415	-.4308	-.3001	-.1018	.0426	.0411	-.0793	.1501	.3672	-.2210	-.3235	.0915	.3072
225.000		.3703	.2254	-.4084	-.3484	-.3924	.0914						-.2150	-.0512	-.0554
270.000		.4780	.9509		-.3959	-.4514	-.0399	-.0743			.2787	-.2836	-.2362	-.1796	-.1264
315.000		.4746	.3142	-.3415	-.3022	-.3231	-.0174						-.2063	-.0459	-.0849

X/LS .9580

PHI	
.000	.1084
45.000	.1435
90.000	.2049
135.000	.2751
180.000	.2093
225.000	-.1010
270.000	-.1337
315.000	-.0954

ALPHAO(7) = 1.920 BETAO (7) = 2.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1190	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3330	.2832	.2490	-.4177	-.2618	-.1837	-.0473	-.0313	-.0106	-.0171	.2512	-.1660	-.1432	.1850	.2155
45.000		.1839	.2317	-.4238	-.3197	-.1642							-.0795	.1677	.1828
90.000		.1416	.2323	-.4304	-.3240	-.1502	.0114	.0260	-.0588	-.0155	.2619	-.0682	-.1555	.2277	.2458
135.000		.1206	.2364	-.4301	-.3292	-.0797							-.2389	.1958	.3398
180.000	1.3330	.1515	.2364	-.4325	-.2983	-.1037	.0012	.0161	-.1071	.1027	.2642	-.1815	-.2124	.1399	.2097
225.000		.3632	.2364	-.4000	-.3475	-.3305	.0534						-.1948	-.0393	-.1068

APOLLO-TYPE 1A14 CM+T12+S1B+S5+ATM SRM BOOSTER (R91833)

ALPHAO(Y) = 1.020 BETAO (Y) = 2.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9360
PHI															
270.000		.4701	.9487		-.3990	-.4484	-.0562	-.0809			.2783	-.2816	-.2210	-.1880	-.1190
315.000		.4891	.3107	-.3385	-.3094	-.3003	-.0294						-.1828	-.0100	-.0406

X/LS	.9580
PHI	
.000	.1797
45.000	.1287
90.000	.1962
135.000	.2520
180.000	.0921
225.000	-.1646
270.000	-.1292
315.000	-.0245

ALPHAO(Y) = 1.900 BETAO (8) = 4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9360
PHI															
.000	1.3170	.3818	.2555	-.4207	-.2476	-.1841	-.0654	-.0365	-.0100	-.0213	.2725	-.1498	-.1818	.2351	.2887
45.000		.1755	.2119	-.4337	-.3524	-.1757							-.1176	.1939	.1957
90.000		.1748	.2093	-.4400	-.3359	-.1416	.0085	.0127	-.0680	.0055	.2683	-.0735	-.1774	.2281	.2247
135.000		.0854	.2195	-.4389	-.3393	-.0774							-.2794	.2015	.2679
180.000	1.3170	.1887	.2328	-.4379	-.2946	-.0651	-.0363	-.0014	-.1147	.0727	.2161	-.1947	-.1443	.1497	.0768
225.000		.3367	.2445	-.3932	-.3435	-.2628	.0192						-.1816	-.0183	-.1388
270.000		.4297	.9506		-.4130	-.4410	-.0930	-.0922			.3085	-.2880	-.2098	-.1494	-.1106
315.000		.4258	.5142	-.5330	-.3094	-.2688	-.0512						-.1818	.0484	.0387

X/LS	.9580
PHI	
.000	.2593
45.000	.1486
90.000	.1791
135.000	.1897
180.000	-.0077
225.000	-.1742
270.000	-.1353
315.000	.0543

AFC11-716 IA14 CM+712+012M294+A710 SRM BOOSTER (RB1333)

ALPHA(7) = 8.040 BETA0 (9) = 6.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7190	.8350	.8900	.9170	.9390
PHI															
.000	1.3030	.2970	.2426	-.4238	-.2595	-.1797	-.0905	-.0428	-.0197	.0174	.2494	-.1529	-.1616	.2808	.3458
45.000		.1613	.1828	-.4458	-.3501	-.1039							-.1598	.2567	.2913
90.000		.0004	.1830	-.4511	-.3513	-.1157	.0177	.0046	-.0720	.0547	.2424	-.0884	-.1953	.2857	.2073
135.000		.1073	.1935	-.4492	-.3476	-.0774							-.2076	.1939	.1697
180.000	1.3030	.1797	.2191	-.4434	-.2960	-.0745	-.0824	-.0263	-.0932	.0979	.1729	-.2065	-.1216	.1030	-.0102
225.000		.2457	.2419	-.3916	-.3405	-.1690	-.0422						-.1992	-.0490	-.1570
270.000		.3530	.9400		-.0454	-.4016	-.1399	-.0899			.3320	-.3004	-.2255	-.1607	-.1283
315.000		.3754	.3216	-.3210	-.3331	-.1979	-.0874						-.1874	.0732	.0585

X/LS	.9580
PHI	
.000	.3117
45.000	.1966
90.000	.1521
135.000	.0993
180.000	-.0915
225.000	-.1835
270.000	-.1470
315.000	.0825

ALPHA(7) = 2.050 BETA0 (10) = 8.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2850	.2535	.2279	-.4295	-.2430	-.1859	-.1117	-.0443	.0143	-.0160	.2511	-.1776	-.1432	.3297	.3640
45.000		.1021	.1555	-.4583	-.3645	-.2082							-.1771	.2586	.2735
90.000		.0769	.1558	-.4598	-.3579	-.0779	.0109	.0360	-.0549	.0259	.2508	-.1015	-.2238	.3101	.2316
135.000		.1035	.1705	-.4559	-.3540	-.0779							-.1097	.1842	.1262
180.000	1.2860	.1626	.2099	-.4459	-.2824	-.0912	-.1398	-.0612	-.0083	.0854	.1605	-.2515	-.1272	.0561	-.0591
225.000		.2501	.2501	-.3828	-.3310	-.1007	-.1122						-.2109	-.0992	-.1607
270.000		.3212	.9339		-.4626	-.3437	-.1782	-.0865			.3532	-.2995	-.2369	-.2062	-.1792
315.000		.3462	.3276	-.3138	-.3381	-.1477	-.1175						-.2075	[illegible]	.0083

X/LS	.9580
PHI	
.000	.3033
45.000	.2087
90.000	.1642
135.000	.0912
180.000	-.1224

DATE 08 JAN 75 TABULATED PRESSURE DATA - [illegible]

[illegible] (RB1533)

ALPHAC = 2.050 BETAC (1) = 8.110

SECTION 1 SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .0580

PHI	
225.000	-.1922
270.000	-.1692
315.000	.1111

ALPHAC(7) = 2.350 BETAC (11) = 10.190

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0540	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2650	.2120	.2135	-.4322	-.2329	-.1974	-.0625	-.0263	-.0226	-.0305	.2294	-.1617	-.1638	.3007	.3156
45.000		.0884	.1298	-.4701	-.3725	-.2175							-.1774	.2512	.8551
90.000		.0784	.1317	-.4646	-.3651	-.2346	.0322	.0172	-.0763	.0075	.2388	-.1151	-.2370	.2353	.2270
135.000		.0965	.1542	-.4659	-.3472	-.2685							-.1070	.1906	.1061
180.000	1.2650	.1469	.2022	-.4821	-.2923	-.1111	-.1219	-.0681	-.1049	.0708	.1540	-.2650	-.1369	.0018	-.0862
225.000		.2139	.2559	-.3717	-.3073	-.2359	-.1711						-.2241	-.1630	-.1749
270.000		.2939	.0223		-.4712	-.2740	-.1924	-.0521			.3359	-.3134	-.2496	-.2148	-.1850
315.000		.3587	.3469	-.2997	-.3318	-.0741	-.1209						-.2196	.0018	.0359

X/LS .9580

PHI	
.000	.2763
45.000	.2190
[illegible].000	.1542
135.000	.0978
180.000	-.1409
225.000	-.2511
270.000	-.2036
315.000	.0849

ALPHAC (8) = 4.500 BETA[illegible] = 9.180

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .0000 .0540 [illegible] .1150 [illegible] .2870 .3730 .4880 .6030 .7180 .83[illegible] [illegible] .9170 .9390

PHI

.000 [illegible] .0258 .0374 .3949

45.000 [illegible]

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (R81533)

ALPHA(8) = 4.300 BETA(1) = -9.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.1247	.0437		-.2605	-.3285	-.1924	-.2557			.1477	-.3641	-.2909	-.1780	-.1057
315.000		.5642	.3814	-.3150	-.2418	-.2345	.0010						-.4048	-.1148	-.0718

X/LS	.9580
PHI	
.000	-.0309
45.000	.2070
90.000	.2190
135.000	.2487
180.000	.2686
225.000	.0404
270.000	-.0987
315.000	-.1122

ALPHA(8) = 4.300 BETA(2) = -9.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3960	.1579	.0252	-.3676	-.2075	-.1145	.0053	.0274	.0266	.0378	.3593	-.2002	-.3105	-.0324	.0379
45.000		.5268	.3515	-.3654	-.1378	-.0806							-.1415	.2003	.2389
90.000		.4595	.3412	-.3737	.2175	-.1215	-.1017	.0570	.0497	.0154	.4461	.0305	-.1149	.2448	.2755
135.000		.3553	.2654	-.4304	-.3117	-.1319							-.2231	.0756	.2135
180.000	1.3960	.3404	.1959	-.4525	-.2099	-.2472	.0487	.1131	.0929	.2602	.5684	-.2224	-.3579	-.0585	.3542
225.000		.3668	.1358	-.4980	-.2559	-.4275	.0581						-.2983	-.0991	.0815
270.000		.5073	.0389		-.2756	-.3561	-.0548	-.1996			.1037	-.3335	-.2863	-.2017	-.1292
315.000		.6473	.3641	-.3135	.2499	-.2548	.0170						-.3392	-.0696	-.0885

X/LS	.9580
PHI	
.000	.0542
45.000	.2150
90.000	.2114
135.000	.2702
180.000	.2933
225.000	.0048
270.000	-.1158
315.000	-.1079

APC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1533)

ALPHAO(8) = 4.200 BETAO (3) = -5.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3800	.5093	.3219	-.3897	-.2103	-.1309	-.0152	.0199	.0199	.0298	.3175	-.1750	-.2744	.0448	.1380
45.000		.4706	.3323	-.3763	-.2240	-.1044							-.1403	.1925	.2378
90.000		.3774	.3198	-.3952	-.2510	-.1464	-.1076	.0755	.0184	-.0097	.4011	.0071	-.1306	.2299	.2167
135.000		.2904	.2474	-.4351	-.3292	-.1430							-.2328	.0812	.2585
180.000	1.3800	.3034	.1895	-.4517	-.2160	-.2541	.0526	.0994	.0225	.2121	.5236	-.2173	-.3603	-.0294	.3494
225.000		.3606	.1209	-.4627	-.2659	-.4172	.0764						-.2433	-.0435	.0393
270.000		.4873	.9311		-.2912	-.3786	.0040	-.0814			.0878	-.3230	-.2553	-.1948	-.1297
315.000		.5361	.3664	-.3101	-.2591	-.2750	.0240						-.2743	-.0490	-.1245

X/LS	.9580
PHI	
.000	.1080
45.000	.2166
90.000	.1958
135.000	.2644
180.000	.2893
225.000	-.0261
270.000	-.1271
315.000	-.1646

ALPHAO(8) = 4.200 BETAO (4) = -5.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3660	.4845	.3218	-.3896	-.2092	-.1483	-.0232	.0076	.0172	.0175	.3033	-.1589	-.2325	.1024	.1569
45.000		.4164	.3140	-.3872	-.2467	-.1326							-.1288	.1926	.2302
90.000		.3100	.2849	-.4093	-.2801	-.1696	-.0778	.0554	-.0038	-.0332	.3657	-.0128	-.1404	.2253	.2003
135.000		.2038	.2340	-.4389	-.3411	-.1376							-.2425	.1084	.2907
180.000	1.3660	.2523	.1823	-.4473	-.2316	-.2500	.0513	.0939	-.0054	.1792	.4813	-.2087	-.3554	.0127	.3601
225.000		.3348	.1159	-.4665	-.2922	-.4181	.0877						-.2229	-.0361	.0220
270.000		.4716	.9281		-.3114	-.4017	-.0014	-.0698			.1735	-.3131	-.2391	-.1817	-.1249
315.000		.5191	.3672	-.3092	-.2796	-.2735	.0171						-.2312	-.0340	-.1135

X/LS	.9590
PHI	
.000	.1243
45.000	.1903
90.000	.1799
135.000	.2634
180.000	.2797

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1333)

ALPHAO(8) = 4.200 BETAO (4) = -3.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.0491
270.000	-.1243
315.000	-.1322

ALPHAO(8) = 4.220 BETAO (5) = -2.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0540	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3580	.4601	.3224	-.3929	-.2118	-.1516	-.0265	-.0033	.0108	.0069	.2906	-.1488	-.1931	.1504	.1937
45.000		.3617	.2886	-.3976	-.2699	-.1590							-.1159	.1935	.2280
90.000		.2490	.2591	-.4208	-.3041	-.1745	-.0503	.0456	-.0226	-.0456	.3327	-.0327	-.1516	.2190	.1859
135.000		.1475	.2211	-.4405	-.3427	-.1406							-.2474	.1387	.3168
180.000	1.3560	.2024	.1834	-.4410	-.2389	-.2220	.0443	.0758	-.0283	.1631	.4373	-.2033	-.3399	.0534	.3360
225.000		.3112	.1113	-.4686	-.3043	-.4225	.0851						-.2067	-.0168	.0019
270.000		.4549	.0232		-.3293	-.4204	-.0288	-.0808			.2273	-.2993	-.2202	-.1669	-.1189
315.000		.5080	.3698	-.3043	-.3146	-.2693	.0051						-.2035	-.0150	-.0787

X/LS .9580

PHI	
.000	.1518
45.000	.1885
90.000	.1614
135.000	.2597
180.000	.2477
225.000	-.0785
270.000	-.1210
315.000	-.0908

ALPHAO(8) = 4.240 BETAO (6) = -.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0540	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3580	.4434	.3010	-.4004	-.2088	-.1405	-.0419	-.0226	-.0002	-.0036	.2626	-.1479	-.1764	.1845	.2164
45.000		.3125	.2599	-.4136	-.2959	-.1734							-.1239	.2251	.2265
90.000		.1920	.2326	-.4354	-.3269	-.1879	-.0129	.0188	-.0396	-.0380	.2912	-.0607	-.1729	.2001	.1534
135.000		.1006	.2128	-.4433	-.3453	-.1513							-.2515	.1629	.3218
180.000	1.3580	.1753	.1917	-.4472	-.2763	-.1583	.0379	.0576	-.0658	.1442	.3755	-.2031	-.3035	.0852	.3002
225.000		.2698	.1339	-.4649	-.3327	-.4257	.0764						-.1974	-.0323	-.0388

VOC11-716 IA14 C1+T12+S12N23+AT10 SRM BOOSTER (RB1833)

ALPHAO(6) = 4.240 BETAO (6) = -.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.4052	.9170		-.3569	-.4129	-.0435	-.0872			.2283	-.2919	-.2228	-.1670	-.1143
315.000		.4861	.3687	-.3041	-.3348	-.2253	-.0092						-.1959	-.0144	-.0357

X/LS	.9580
PHI	
.000	.1802
45.000	.1888
90.000	.1167
135.000	.2444
180.000	.1968
225.000	-.1020
270.000	-.1172
315.000	-.0552

ALPHAO(6) = 4.220 BETAO (7) = 1.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3210	.4118	.2851	-.3988	-.1988	-.1370	-.0549	-.0389	-.0144	-.0077	.2305	-.1475	-.1344	.2385	.2814
45.000		.2589	.2306	-.4216	-.3114	-.1758							-.0763	.2553	.2425
90.000		.1434	.2049	-.4397	-.3399	-.1711	.0002	-.0012	-.0496	-.0118	.2564	-.0740	-.1421	.2229	.1621
135.000		.0718	.2013	-.4410	-.3449	-.1128							-.2317	.2055	.3233
180.000	1.3210	.1657	.1979	-.4486	-.2837	-.1752	.0186	.0333	-.0721	.1179	.2961	-.1675	-.2380	.1293	.2264
225.000		.2316	.1392	-.4557	-.3386	-.3925	.0539						-.1765	-.0014	-.0866
270.000		.3635	.9174		-.3743	-.3799	-.0563	-.0848			.2082	-.2803	-.2101	-.1521	-.0956
315.000		.4556	.3740	-.2925	-.3404	-.1713	-.0185						-.1796	.0215	.0004

X/LS	.9580
PHI	
.000	.2422
45.000	.1960
90.000	.1143
135.000	.2325
180.000	.1044
225.000	-.1582
270.000	-.1105
315.000	.0185

*RC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1333)

ALPHAO(8) = 4.430 BETAO (8) = 4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8350	.8900	.9170	.9390
PHI															
.000	1.3040	.4131	.2824	-.4006	-.1791	-.1493	-.0942	-.0572	-.0156	-.0224	.2341	-.1170	-.1478	.2659	.3151
45.000		.2199	.2078	-.4364	-.3238	-.1998							-.1319	.2836	.2532
90.000		.0945	.1833	-.4528	-.3553	-.1687	-.0030	-.0136	-.0635	-.0008	.2487	-.0750	-.1728	.2017	.1475
135.000		.0352	.1831	-.4491	-.3537	-.0980							-.2742	.1890	.2698
180.000	1.3040	.1536	.1838	-.4593	-.2830	-.1783	-.0069	.0215	-.0684	.0985	.2362	-.2066	-.1083	.1402	.1017
225.000		.2361	.1360	-.4588	-.3448	-.3698	.0267						-.1788	-.0869	-.1174
270.000		.3776	.9139		-.3687	-.3488	-.0379	-.0765			.2263	-.2651	-.2104	-.1768	-.1357
315.000		.4743	.3941	-.2875	-.3145	-.1912	-.0293						-.1901	.0176	.0041

X/LS	.9580
PHI	
.000	.2772
45.000	.2007
90.000	.0924
135.000	.1786
180.000	.0174
225.000	-.1578
270.000	-.1431
315.000	.0367

ALPHAO(8) = 4.410 BETAO (9) = 6.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8350	.8900	.9170	.9390
PHI															
.000	1.2870	.3858	.2745	-.4016	-.1719	-.1618	-.1215	-.0637	-.0284	-.0193	.2208	-.1447	-.1485	.2852	.3290
45.000		.1949	.1802	-.4497	-.3437	-.2233							-.1499	.2339	.2456
90.000		.0655	.1584	-.4596	-.3697	-.1455	-.0139	-.0324	-.0867	.0457	.2444	-.0830	-.1884	.2173	.1641
135.000		.0328	.1646	-.4510	-.3581	-.0800							-.2385	.1898	.1937
180.000	1.2870	.1258	.1737	-.4589	-.2853	-.1863	-.0233	-.0008	-.0551	.1179	.1980	-.2135	-.1027	.1137	.0219
225.000		.2015	.1397	-.4552	-.3353	-.3400	.0147						-.1895	-.1060	-.1367
270.000		.3446	.9122		-.3675	-.3133	-.0225	-.0650			.2841	-.2750	-.2166	-.1792	-.1463
315.000		.4680	.3917	-.2746	-.2824	-.1822	-.0345						-.1900	.0282	.0283

X/LS	.9580
PHI	
.000	.2959
45.000	.1865
90.000	.0987
135.000	.1101
180.000	-.0505

AP11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1533)

ALPHAO(8) = 4.410 BETAO (9) = 6.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1673
270.000	-.1523
315.000	.0810

ALPHAO(8) = 4.410 BETAO (10) = 8.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2700	.3594	.2585	-.4093	-.1793	-.1685	-.1448	-.0695	.0243	-.0183	.2161	-.1664	-.1500	.2816	.3566
45.000		.1560	.1443	-.4687	-.3648	-.2454							-.1563	.2265	.2536
90.000		.0355	.1320	-.4727	-.3798	-.1022	-.0324	-.0082	-.0878	.0092	.2499	-.1001	-.2080	.2772	.1932
135.000		.0439	.1453	-.4582	-.3645	-.0751							-.1139	.1900	.1594
180.000	1.2700	.1164	.1674	-.4653	-.2880	-.1777	-.0604	-.0253	-.0491	.1080	.1942	-.2372	-.1090	.0855	-.0206
225.000		.1633	.1461	-.4514	-.3430	-.2994	-.0342						-.2056	-.1207	-.1428
270.000		.3204	.9080		-.3551	-.2906	-.0434	-.0703			.3074	-.2921	-.2255	-.1867	-.1565
315.000		.4546	.3961	-.2690	-.2732	-.1518	-.0504						-.1968	.0215	.0624

X/LS .9580

PHI	
.000	.3124
45.000	.1771
90.000	.1178
135.000	.0858
180.000	-.0882
225.000	-.1827
270.000	-.1688
315.000	.1258

ALPHAO(8) = 4.390 BETAO (11) = 10.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.24[illegible]	.3203	.2533	-.4138	-.[illegible]845	[illegible]767	-.1540	-.0284	-.0215	-.0271	.1992	-.1863	.1574	.2398	.3028
45.000		.1129	.1462	-.4[illegible]829	-.[illegible]	.[illegible]742							-.1638	.22[illegible]	.1[illegible]30
90.000		[illegible]	[illegible]	-.[illegible]	[illegible]7887	[illegible]405	[illegible]	-.[illegible]	-.0985	-.0004	[illegible]2857	-.[illegible]	.2227	[illegible]28	398
135.000		[illegible]	[illegible]	[illegible]	-.[illegible]7825	[illegible]375							-.[illegible]	[illegible]	.1438
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]7830		-.[illegible]		[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]8	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	[illegible]

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1533)

ALPHAO(8) = 4.390 BETAO (11) = 10.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.2467	.9108		-.3741	-.2380	-.0559	-.0441			.2984	-.3046	-.2414	-.1970	-.1609
315.000		.4090	.3934	-.2671	-.2317	-.1341	-.0559						-.1927	.0249	.1126

X/LS	.9580
PHI	
.000	.2564
45.000	.1434
90.000	.1144
135.000	.0617
180.000	-.1103
225.000	-.1899
270.000	-.2012
315.000	.1659

ALPHAO(9) = 6.340 BETAO (1) = -9.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3820	.6226	.3594	-.3705	-.1903	-.0593	-.0254	.0483	.0660	.1054	.3513	-.1747	-.3018	-.0235	.0598
45.000		.6174	.3853	-.3445	-.1493	-.0298							-.1035	.2805	.3110
90.000		.5033	.3464	-.3747	-.1944	-.1028	-.0869	.0691	.0782	.1007	.4429	.0644	-.0801	.2922	.2744
135.000		.3612	.2276	-.4489	-.3275	-.1333							-.2205	.0577	.0032
180.000	1.3820	.3360	.1648	-.4697	-.1831	-.2270	.0063	.0764	.0712	.2626	.4478	-.1770	-.3766	-.0713	.1546
225.000		.3671	.0665	-.3770	-.2466	-.3459	-.0170						-.3541	-.0503	.1313
270.000		.4965	.9119		-.2078	-.3146	.0167	.0644			.0800	-.3484	-.2599	-.1437	-.0860
315.000		.5946	.3999	-.2857	-.1991	-.1999	.0265						-.3268	-.0538	-.0826

X/LS	.9580
PHI	
.000	.0573
45.000	.2772
90.000	.2282
135.000	.0671
180.000	.1237
225.000	.0019
270.000	-.0855
315.000	-.1492

AP611-716 TA14 C1+T12+S12*25+AT10 SRM BOOSTER (RB1333)

ALPHAO(9) = 6.380 BETAO (2) = -7.970

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3730	.6032	.3614	-.3668	-.1481	-.0871	.0214	.0294	.0527	.0699	.3357	-.1547	-.2700	.0484	.1349
45.000		.5677	.3669	-.3529	-.1720	-.0696							-.0984	.2880	.3140
90.000		.4359	.3210	-.3910	-.2311	-.1363	-.1149	.0517	.0473	.0647	.4056	.0450	-.0968	.2529	.2294
135.000		.3044	.2172	-.4540	-.3458	-.1515							-.2230	.0738	.0370
180.000	1.3730	.3000	.1529	-.4687	-.2009	-.2500	.0112	.0673	.0439	.2250	.4310	-.1803	-.3662	-.0446	.2024
225.000		.3350	.0421	-.3941	-.2693	-.3773	-.0054						-.2958	-.0289	.1292
270.000		.4725	.9031		-.2576	-.3496	-.0041	.0330			.0723	-.3367	-.2569	-.1588	-.0944
315.000		.5817	.4069	-.2799	-.2657	-.2030	.0294						-.2851	-.0359	-.0734

X/LS	.9580
PHI	
.000	.1193
45.000	.2624
90.000	.1673
135.000	.0785
180.000	.1536
225.000	-.0025
270.000	-.0991
315.000	-.1222

ALPHAO(9) = 5.990 BETAO (3) = -8.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3670	.5875	.3516	-.3718	-.1591	-.1113	.0141	.0107	.0351	.0481	.3155	-.1552	-.2422	.0943	.1676
45.000		.5071	.3456	-.3665	-.2056	-.1329							-.1093	.2852	.2969
90.000		.3669	.2919	-.4041	-.2631	-.1654	-.1316	.0385	.0157	.0094	.3927	.0214	-.1161	.1998	.1815
135.000		.2545	.2062	-.4532	-.3553	-.1617							-.2193	.0979	.0912
180.000	1.3670	.2711	.1491	-.4627	-.2178	-.2634	.0110	.0762	.0209	.1937	.4639	-.1990	-.3553	-.0330	.3000
225.000		.3139	.0494	-.4427	-.2844	-.3919	.0061						-.2576	-.0265	.0876
270.000		.4589	.9024		-.2875	-.3630	.0055	-.0319			.0993	-.3211	-.2521	-.1812	-.1151
315.000		.5616	.4037	-.2807	-.2930	-.2190	.0421						-.2560	-.0359	-.0700

X/LS	.9580
PHI	
.000	1525
45.000	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

\PC11-715 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1333)

ALPHAO(8) = 5.980 BETAO (5) = -6.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.0077
270.000	-.1044
315.000	-.1175

ALPHAO(8) = 5.980 BETAO (4) = -4.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3550	.5445	.3538	-.3750	-.1597	-.1229	-.0064	-.0056	.0271	.0287	.2955	-.1425	-.2043	.1512	.2098
45.000		.4548	.3184	-.3903	-.2321	-.1373							-.1043	.2715	.2885
90.000		.3079	.2631	-.4199	-.2941	-.1901	-.1345	.0196	-.0085	-.0322	.3602	.0016	-.1248	.1660	.1449
135.000		.1710	.1920	-.4570	-.3607	-.1646							-.2209	.1240	.1685
180.000	1.3550	.2221	.1393	-.4607	-.2240	-.2685	.0162	.0749	-.0025	.1842	.4581	-.1907	-.3511	-.0028	.3439
225.000		.2860	.0375	-.4544	-.3007	-.4125	.0230						-.2293	-.0168	.0554
270.000		.4376	.5960		-.3102	-.3922	.0017	-.0442			.1292	-.3058	-.2375	-.1769	-.1056
315.000		.5500	.4000	-.2002	-.3167	-.2100	.0302						-.2261	-.0275	-.0793

X/LS .9580

PHI	
.000	.1735
45.000	.2519
90.000	.1107
135.000	.1725
180.000	.2576
225.000	-.0322
270.000	-.1051
315.000	-.0964

ALPHAO(8) = 6.010 BETAO (5) = -2.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3410	.5193	.3336	-.3790	-.1591	-.1150	-.0272	-.0215	.0129	.0170	.2708	-.1328	-.1724	.1989	.2370
45.000		.4001	.2910	-.3950	-.2576	-.1657							-.1039	.2752	.2827
90.000		.2502	.2339	-.4333	-.3201	-.2127	-.1223	.0030	-.0322	-.0499	.3298	-.0139	-.1289	.1442	.1214
135.000		.1136	.1827	-.4609	-.3761	-.1565							-.2259	.1564	.2370
180.000	1.3410	.1798	.1299	-.4635	-.2261	-.2712	.0129	.0731	-.0228	.1446	.4318	-.1834	-.3443	.0383	.3435
225.000		.2531	.0178	-.4714	-.3180	-.4275	.0180						-.2045	-.0137	.0206

AP211-710 TA14 CP=T12+S12*Z3+AT10 SRM BOOSTER (RB1333)

ALPHA0(9) = 6.010 BETA0 (5) = -2.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4097	.8905		-.3270	-.3778	-.0162	-.0455			.1673	-.2978	-.2196	-.1634	-.1051
315.000		.5372	.4047	-.2760	-.3259	-.1646	.0186						-.1990	-.0225	-.0496

X/LS .9580

PHI	
000	.1960
45.000	.2422
90.000	.0900
135.000	.1960
180.000	.2393
225.000	-.0669
270.000	-.1099
315.000	-.0671

ALPHA0(9) = 6.020 BETA0 (6) = .050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3250	.4911	.3244	-.3817	-.1552	-.1098	-.0491	-.0415	-.0040	.0009	.2316	-.1331	-.1555	.2251	.2777
45.000		.3473	.2592	-.4108	-.2918	-.1795							-.1093	.2677	.2697
90.000		.1840	.1990	-.4471	-.3440	-.2129	-.0749	-.0165	-.0476	-.0330	.2919	-.0391	-.1397	.1404	.1158
135.000		.0724	.1678	-.4605	-.3663	-.1592							-.2381	.1971	.2676
180.000	1.3290	.1502	.1546	-.4542	-.2436	-.2632	.0186	.0603	-.0429	.1369	.3597	-.1857	-.3193	.0813	.3115
225.000		.2031	.0531	-.4744	-.3374	-.4239	.0285						-.1770	-.0045	-.0151
270.000		.3696	.8748		-.3494	-.3535	-.0105	-.0371			.1594	-.2909	-.2180	-.1508	-.0866
315.000		.5125	.4096	-.2708	-.3243	-.1358	.0072						-.1848	.0145	-.0017

X/LS .9580

PHI	
.000	.2416
45.000	.2226
90.000	.0719
135.000	.1935
180.000	.2302
225.000	-.0715
270.000	-.1167
315.000	-.0714

ARC11-716 TA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1S33)

ALPHAO(9) = 6.010 BETAO (7) = 2.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3080	.4726	.3163	-.3869	-.1460	-.1140	-.0771	-.0497	-.0226	-.0091	.2117	-.1365	-.1258	.2848	.3429
45.000		.2972	.2290	-.4278	-.3065	-.1878							-.0861	.3030	.2873
90.000		.1315	.1697	-.4613	-.3641	-.2018	- 0833	-.0304	-.0539	-.0101	.2566	-.0561	-.1185	.1880	.1335
135.000		.0303	.1689	-.4613	-.3662	-.1295							-.2226	.2531	.2811
180.000	1.3080	.1147	.1500	-.4647	-.2506	-.2152	.0115	.0442	-.0456	.1220	.3000	-.1628	-.2474	.1379	.2291
225.000		.2077	.0549	-.4839	-.3436	-.4102	.0822						-.1621	.0169	-.0831
270.000		.3722	.6795		-.3409	-.3292	.0154	-.0302			.1725	-.2849	-.2077	-.1406	-.0830
315.000		.5234	.4131	-.2632	-.3066	-.1358	.0092						-.1650	.0404	.0375

X/LS	.9580
PHI	
.000	.2999
45.000	.2351
90.000	.0648
135.000	.1947
180.000	.1159
225.000	-.1499
270.000	-.1045
315.000	.0432

ALPHAO(9) = 5.990 BETAO (8) = 4.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2910	.4500	.3089	-.3860	-.1324	-.1228	-.1078	-.0644	-.0229	-.0151	.2239	-.1144	-.1332	.2999	.3810
45.000		.2493	.2037	-.4390	-.3231	-.2065							-.1274	.2651	.2681
90.000		.0867	.1570	-.4642	-.3733	-.1979	-.0470	-.0339	-.0587	.0015	.2508	-.0597	-.1713	.1962	.1368
135.000		.0091	.1581	-.4608	-.3644	-.1027							-.2628	.2086	.2520
180.000	1.2910	.0923	.1562	-.4655	-.2529	-.2228	.0050	.0295	-.0420	.1102	.2399	-.2069	-.1187	.1438	.1156
225.000		.1536	.0575	-.4823	-.3359	-.3877	.0354						-.1779	-.0841	-.1215
270.000		.3293	.8834		-.3321	-.3449	.0092	-.0172			.2342	-.2805	-.2078	-.1755	-.1254
315.000		.5060	.4178	-.2544	-.2763	-.1386	-.0152						-.1820	.0538	.0422

X/LS	.9580
PHI	
.000	.3187
45.000	.2111
90.000	.0866
135.000	.1654
180.000	.0908

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1333)

ALPHAO(8) = 5.990 BETAO (8) = 4.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1531
270.000	-.1309
315.000	.0894

ALPHAO(9) = 5.980 BETAO (9) = 6.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4980	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2720	.4255	.2978	-.5890	-.1293	-.1350	-.1510	-.0762	-.0306	-.0212	.2246	-.1464	-.1360	.3111	.3772
													-.1425	.2272	.2384
45.000		.2106	.1654	-.4569	-.3404	-.2455									
													-.1878	.2043	.1442
90.000		.0575	.1268	-.4742	-.3908	-.1809	-.0446	-.0430	-.0733	.0397	.2559	-.0751			
													-.2404	.1932	.1943
135.000		.0154	.1374	-.4645	-.3674	-.0881									
													-.1019	.1244	.0284
180.000	1.2720	.0673	.1374	-.4695	-.2649	-.2214	.0050	.0060	-.0347	.1261	.2088	-.2131			
													-.1042	-.0975	-.1266
225.000		.0946	.0881	-.4853	-.3428	-.3063	.0335								
													-.2107	-.1677	-.1294
270.000		.2755	.8735		-.3404	-.3389	-.0090	-.0324			.2933	-.2691			
													-.1779	.0788	.0803
315.000		.4917	.4269	-.2415	-.2518	-.1103	-.0392								

X/LS .9580

PHI	
.000	.3586
45.000	.1891
90.000	.0801
135.000	.1096
180.000	-.0479
225.000	-.1639
270.000	-.1396
315.000	.1493

ALPHAO(9) = 5.970 BETAO (10) = 8.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.000	.034	.098	.115	.144	.201	.297	.373	.498	.603	.718	.833	.890	.917	.9390
PHI															
.000										-.0145					
45.000															

AP211-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1533)

ALPHA0(9) = 9.970 BETA0 (10) = 9.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.2492	.8712		- 3523	-.3440	-.0421	-.0508			.3225	-.2859	-.2173	-.1784	-.1270
315.000		.4806	.4321	-.2298	-.E293	-.0893	-.0564						-.1897	.1108	.1427

X/LS .9580

PHI	
.000	.3703
45.000	.1702
90.000	.0691
135.000	.0007
[illegible]	- 0767
225.000	-.1753
270.000	-.1633
315.000	.2316

ALPHA(9) = 1.950 BETA(11) = 9.160

SECTION 1)SRM BOOSTER DEPENDENT VARIABLE CP

X/S	[illegible]	.0340	[illegible]	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PH															
.000	1.2330	.3581	.2799	- 3581	-.1379	-.1533	-.1660	-.0267	-.0168	-.0238	.2003	-.1690	-.1102	.3248	.3878
45.000		.1152	.0697	-.4940	-.3738	-.3120							-.1078	.1650	.1775
90.000		.0148	.0913	-.1920	-.4060	-.0927	-.0375	-.1159	-.0883	-.0119	.2377	-.1078	-.2122	.2931	.1569
135.000		.0330	.1066	-.4623	- 3645	-.0551							-.1480	.1734	.1601
180.000	1.2330	.0221	.1379	- 4726	-.2567	-.2052	-.0145	-.0233	-.0721	.0894	.2019	-.2512	-.1091	.0863	-.0192
225.000		.0119	.0973	.4765	-.3592	-.2887	-.0054						-.2099	-.1149	-.1519
270.000		.1990	.0751		-.3537	-.3546	-.0619	-.0303			.3183	-.3033	-.2396	-.1844	-.1586
315.000		.4436	.4311	-.2243	-.1922	-.0680	-.0516						-.1897	.0834	.2110

X/LS .9580

PHI	
.000	.3442
45.000	.1149
90.000	.0796
135.000	.0718
180.000	-.0915
225.000	-.1648
270.000	-.2219
315.000	.2643

AEC11-716 TA14 C1+712+S12N25+AY10 SRM BOOSTER (NB1533)

ALPHAC(10) = 7.910 BETAO (1) = -10.030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3000	.6712	.3882	-.3601	-.1262	-.0489	.0042	.0605	.0828	.1210	.3638	-.1504	-.2718	.0429	.1312
45.000		.6422	.4112	-.3579	-.1335	-.0303							-.0749	.3564	.3682
90.000		.4806	.3306	-.3899	-.2164	-.1220	-.1095	.0357	.0709	.1415	.4258	.0819	-.0681	.3248	.2965
135.000		.3212	.1803	-.4725	-.3591	-.1007							-.2355	.0408	-.0308
180.000	1.5800	.3096	.1254	-.4822	-.2025	-.2377	-.0328	.0507	.0675	.2441	.3718	-.1520	-.3920	-.0700	.0570
225.000		.3500	.0003	-.3546	-.2071	-.3232	-.0596						-.3669	.0120	.1222
270.000		.4676	.0791		-.0323	-.3074	-.0250	.0817			.1819	-.3525	-.2262	-.0752	-.0360
315.000		.6176	.4214	-.2584	-.2590	-.1517	.0427						-.3035	-.0010	-.0231

X/LS .9580

PHI	
.000	.1201
45.000	.3289
90.000	.2432
135.000	-.0515
180.000	.0192
225.000	-.0340
270.000	-.0593
315.000	-.0838

ALPHAC(10) = 7.930 BETAO (2) = -8.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3580	.6524	.3854	-.3617	-.1089	-.0708	.0296	.0397	.0638	.0881	.3585	-.1359	-.2373	.1088	.1085
45.000		.5916	.3995	-.3517	-.1624	-.0700							-.0757	.3329	.3629
90.000		.4195	.2904	-.4088	-.2499	-.1593	-.1400	.0158	.0304	.0845	.3998	.0576	-.0902	.2853	.2544
135.000		.2721	.1624	-.4830	-.3800	-.1769							-.2428	.0521	-.0055
180.000	1.3580	.0741	.1127	-.4966	-.2254	-.2024	-.0411	.0314	.0353	.1994	.3468	-.1528	-.3808	-.0284	.1047
225.000		.0348	-.0341	-.3752	-.2931	-.3540	-.0741						-.3244	.0276	.1490
270.000		.1389	.0653		-.3729	-.3270	-.0276	.0564			.1365	-.3413	-.2324	-.1282	-.0611
315.000		.2941	.2909	-.2632	-.3411	-.1405	.0301						-.2646	.0079	-.0380

X/LS .9580

PHI	
.000	.1664
45.000	.3478
90.000	.2437
135.000	-.0340
180.000	.0419

ARC11-716 TA14 C1+T12+S12*25+AT10 SRM BOOSTER (781533)

ALPHAC(10) = 7.830 BETAC (2) = -8.030

SECTION 11SRM BOOSTER DEPENDENT VARIABLE CP

X/LB .8580

PHI	
225.000	-.0281
270.000	-.0852
315.000	-.0749

ALPHAC(10) = 7.810 BETAC 3) = -8.970

SECTION 11SRM BOOSTER DEPENDENT VARIABLE CP

X/LB	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3480	.6286	.3715	-.3641	-.0994	-.0920	.0247	.0190	.0384	.0581	.3024	-.1332	-.2098	.1398	.2459
45.000		.5579	.3540	-.3696	-.1939	-.1043							-.0857	.3110	.3391
90.000		.3474	.2031	-.4252	-.3857	-.1952	-.1537	-.0069	-.0007	.0231	.3626	.0314	-.1106	.2342	.1969
135.000		.2243	.1458	-.4825	-.3022	-.1660							-.2409	.0518	.0327
180.000	1.3480	.2419	.1131	-.4791	-.3374	-.2736	-.0289	.0299	.0092	.1670	.3735	-.1563	-.3642	-.0025	.2219
225.000		.2627	.1004	-.3971	-.3076	-.3923	-.0341						-.2664	.0027	.1230
270.000		.4198	.3505		-.1713	-.3230	-.0170	.0335			.0830	-.3214	-.2446	-.1585	-.0422
315.000		.5042	.4247	-.2591	-.2660	-.1134	.0361						-.0259	-.0074	-.0464

X/LB .9580

PHI	
.000	.2090
45.000	.3031
90.000	.1398
135.000	.0182
180.000	.1471
225.000	-.0211
270.000	.0791
315.000	-.0749

ALPHAC(10) = 7.830 BETAC (4) = -4.000

SECTION 11SRM BOOSTER DEPENDENT VARIABLE CP

X/LB	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3340	.6049	.3670	-.3841	-.0992	-.0971	.0144	-.0021	.0247	.0361	.2699	-.1236	-.1787	.2014	.2825
45.000		.4862	.3282	-.3824	-.2199	-.1398							-.0867	.3022	.3225
90.000		.2879	.2264	-.4397	-.3145	-.2256	-.1788	-.0324	-.0327	-.0272	.3472	.0121	-.1185	.1991	.1479
135.000		.1480	.1367	-.4847	-.4033	-.1912							-.2286	.0972	.0705
180.000	1.3340	.1990	.0922	-.4823	-.2518	-.2846	-.0272	.0317	-.0107	.1382	.4140	-.1683	-.3549	.0098	.3189
225.000		.2292	-.0099	-.4164	-.3245	-.4073	-.0301						-.2166	-.0089	.0715

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1S33)

ALPHAO(10) = 7.830 BETAO (4) = -4.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8350	.8900	.9170	.9390
PHI															
270.000		.3978	.8486		-.3198	-.3101	-.0192	.0108			.0682	-.3091	-.2400	-.1589	-.0907
315.000		.5850	.4302	-.2544	-.3013	-.1016	.0359						-.2086	-.0029	-.0385

X/LS	.9580
PHI	
.000	.2232
45.000	.2811
90.000	.1145
135.000	.0499
180.000	.2203
225.000	-.0364
270.000	-.0879
315.000	-.0534

ALPHAO(10) = 7.830 BETAO (5) = -2.030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8350	.8900	.9170	.9390
PHI															
.000	1.3200	.5795	.3612	-.3647	-.1011	-.0870	-.0063	-.0175	.0019	.0182	.2496	-.1181	-.1451	.2531	.3000
45.000		.4311	.2868	-.3969	-.2478	-.1616							-.0890	.2955	.3101
90.000		.2251	.1963	-.4537	-.3421	-.2502	-.1811	-.0385	-.0598	-.0528	.3178	-.0083	-.1229	.1768	.1267
135.000		.0899	.1296	-.4859	-.4101	-.1778							-.2217	.1696	.1358
180.000	1.3200	.1574	.0818	-.4927	-.2597	-.2893	-.0213	.0459	-.0226	.1283	.4088	-.1698	-.3326	.0465	.3267
225.000		.1860	-.0828	-.4301	-.3426	-.4281	-.0228						-.1672	.0031	.0336
270.000		.3628	.6384		-.3400	-.2903	.0002	-.0048			.0798	-.3056	-.2298	-.1571	-.0880
315.000		.5649	.4349	-.2457	-.2968	-.0995	.0431						-.1867	.0113	-.0058

X/LS	.9580
PHI	
.000	.2611
45.000	.2855
90.000	.0955
135.000	.0855
180.000	.2174
225.000	-.0392
270.000	-.0945
315.000	-.057

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1S33)

ALPHAO(10) = 7.840 BETAO (6) = .040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4680	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3080	.5580	.3496	-.3673	-.0956	-.0802	-.0447	-.0395	-.0030	.0089	.2248	-.1225	-.1264	.3003	.3510
45.000		.3796	.2567	-.4110	-.2721	-.1803							-.1005	.2925	.3068
90.000		.1716	.1641	-.4667	-.3673	-.2664	-.1620	-.0520	-.0616	-.0234	.2781	-.0304	-.1360	.1840	.1271
135.000		.0410	.1152	-.4855	-.4097	-.1633							-.2391	.1528	.1413
180.000	1.3080	.1095	.0844	-.4745	-.2486	-.2789	-.0014	.0425	-.0208	.1268	.3297	-.1682	-.2969	.0981	.2843
225.000		.1595	-.0881	-.4227	-.3409	-.3982	-.0136						-.1550	.0309	- 0120
270.000		.3403	.8346		-.3339	-.3026	.0115	.0146			.1734	-.2632	-.2017	-.1274	-.0691
315.000		.5606	.4396	-.2386	-.2794	-.0920	.0229						-.1597	.0699	.0598

X/LS	.9580
PHI	
.000	.3086
45.000	.2590
90.000	.0062
135.000	.0741
180.000	.1716
225.000	-.1070
270.000	-.0838
315.000	.0586

ALPHAO(10) = 7.830 BETAO (7) = 2.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2860	.5262	.3388	-.3708	-.0914	-.0851	-.0922	-.0685	-.0212	-.0020	.2373	-.1388	-.1120	.3552	.4189
45.000		.3233	.2199	-.4296	-.2972	-.1975							-.0804	.2991	.3156
90.000		.1198	.1304	-.4787	-.3897	-.2592	-.1327	-.0565	-.0599	.0019	.2563	-.0403	-.1130	.2296	.1436
135.000		.0092	.1050	-.4863	-.3970	-.1460							-.2186	.1901	.1846
180.000	1.2860	.0710	.0981	-.4716	-.2510	-.2548	.0245	.0437	-.0124	.1205	.2804	-.1719	-.2249	.1490	.2020
225.000		.1063	-.0798	-.4128	-.3379	-.3736	.0048						-.1605	.0346	-.0925
270.000		.3025	.8188		-.3372	-.3342	-.0152	.0068			.2540	-.2762	-.1891	-.1190	-.0511
315.000		.5457	.4455	-.2253	-.2552	-.0742	-.0147						-.1521	.1096	.1226

X/LS	.9580
PHI	
.000	.3696
45.000	.2614
90.000	.0986
135.000	.1044
180.000	.0953

ARC11-716 TA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1333)

ALPHAO(10) = 7.830 BETAO (7) = 2.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1583
270.000	-.0713
315.000	.1431

ALPHAO(10) = 7.870 BETAO (8) = 4.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2680	.5104	.3327	-.3708	-.0794	-.0907	-.1247	-.0910	-.0380	-.0199	.2340	-.1104	-.1135	.3389	.4065
45.000		.2797	.1887	-.4485	-.3132	-.2374							-.1188	.2610	.2684
90.000		.0710	.1012	-.4925	-.4079	-.2672	-.1137	-.0602	-.0664	-.0043	.2595	-.0473	-.1602	.2164	.1353
135.000		-.0186	.1020	-.4786	-.3908	-.1336							-.2549	.1878	.1878
180.000	1.2680	.0406	.0994	-.4833	-.2635	-.2541	.0271	.0383	-.0113	.1176	.2281	-.2095	-.1089	.1379	.1044
225.000		.0575	-.0473	-.4179	-.3592	-.3761	.0178						-.1769	-.0753	-.1160
270.000		.2615	.8141		-.3566	-.3599	-.0254	-.0033			.2629	-.2533	-.2090	-.1688	-.1152
315.000		.5364	.4559	-.2072	-.2240	-.0434	-.0411						-.1803	.0877	.1020

X/LS .9580

PHI	
.000	.3669
45.000	.2201
90.000	.0760
135.000	.1072
180.000	.0243
225.000	-.1491
270.000	-.1171
315.000	.1673

ALPHAO(10) = 7.970 BETAO (9) = 6.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2470	.3009	.3218	-.3701	.0798	[illegible]	-.1536	-.1301	-.0471	-.0361	.2075	-.1305	-.1142	.3424	.4583
45.000		.2401	.1438	-.4647	.0748	-.1321							-.1511	.2346	.1811
90.000		.0311	.0331	-.5001	-.4125	-.2614	-.1135	-.0681	-.0328	.2571	.2538	-.0607	-.1600	.2270	.1600
135.000		-.0571	.1015	-.4871	-.3966	-.1344							-.2550	.1867	.1840
180.000	1.2470	.0211	.0981	-.4917	-.2693	-.2550	.0271	.0383	-.0113	.1176	.2281	-.2095	-.1089	.1379	.1044
225.000		.0575	-.0473	-.4179	-.3592	-.3761	.0178						-.1769	-.0753	-.1160
270.000		.2615	.8141		-.3566	-.3599	-.0254	-.0033			.2629	-.2533	-.2090	-.1688	-.1152
315.000		.5364	.4559	-.2072	-.2240	-.0434	-.0411						-.1803	.0877	.1020

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1S33)

ALPHAO(10) = 7.970 BETAO (9) = 6.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.2365	.8128		-.3738	-.3733	-.0385	-.0257			.2975	-.2630	-.2033	-.1516	-.1159
315.000		.5375	.4650	-.1759	-.1798	-.0093	-.0547						-.1729	.1174	.1680

X/LS	.9590
PHI	
.000	.4011
45.000	.2072
90.000	.0699
135.000	.0808
180.000	-.0467
225.000	-.1579
270.000	-.1348
315.000	.2438

ALPHAO(10) = 7.960 BETAO (10) = 8.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2260	.4734	.3094	-.3710	-.0863	-.1067	-.1788	-.1571	.0278	-.0207	.1939	-.1625	-.1073	.3630	.4735
45.000		.1874	.1071	-.4887	-.3419	-.3230							-.1105	.2027	.2211
90.000		.0027	.0449	-.5102	-.4365	-.2323	-.1097	-.1353	-.0665	-.0134	.2361	-.0811	-.1617	.2325	.1465
135.000		-.0004	.0917	-.4818	-.3838	-.0965							-.1354	.1553	.1405
180.000	1.2260	.0071	.0814	-.4976	-.2931	-.2347	-.0095	.0068	-.0175	.1151	.2110	-.2393	-.1016	.0998	.0071
225.000		-.0310	-.0330	-.4876	-.3898	-.3472	-.0144						-.1875	-.0974	-.1324
270.000		.1946	.8164		-.3927	-.3952	-.0722	-.0504			.3223	-.2820	-.2169	-.1686	-.1374
315.000		.5288	.4764	-.1796	-.1371	-.0067	-.0741						-.1835	.1716	.2750

X/LS	.9580
PHI	
.000	.4147
45.000	.1740
90.000	.0726
135.000	.0662
180.000	-.0652
225.000	-.1699
270.000	-.1706
315.000	.3334

AP311-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1333)

ALPHAO(10) = 7.960 BETAO (11) = 10.250

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2040	.4444	.3001	-.3691	-.0887	-.1174	-.1785	-.0472	-.0323	-.0439	.1675	-.1639	-.0884	.3757	.4630
45.000		.1303	.0697	-.5116	-.3601	-.3641							-.0675	.1953	.1872
90.000		-.0251	.0307	-.5187	-.4464	-.1818	-.1215	-.1516	-.1061	-.0394	.2187	-.1104	-.1592	.2548	.1305
135.000		.0052	.0749	-.4851	-.3817	-.0750							-.1310	.1566	.1398
180.000	1.2040	-.0198	.0923	-.4887	-.3002	-.2122	.0026	-.0042	-.0601	.0889	.1979	-.2646	-.1064	.0920	-.0135
225.000		-.0679	-.0094	-.5032	-.3956	-.3048	-.0094						-.1978	-.1012	-.1348
270.000		.1669	.8169		-.3991	-.4075	-.0807	-.0593			.3027	-.2978	-.2283	-.1697	-.1812
315.000		.5238	.4792	-.2060	-.1066	.0080	-.0601						-.1746	.1926	.3528

X/LS	.9580
PHI	
.000	.4017
45.000	.1250
90.000	.0564
135.000	.0548
180.000	-.0875
225.000	-.1749
270.000	-.2723
315.000	.4030

ALPHAO(11) = 9.890 BETAO (1) = -9.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3410	.7298	.4161	-.3385	-.0494	-.0266	.0342	.0820	.1037	.1544	.3854	-.1339	-.2211	.1315	.2413
45.000		.6670	.4138	-.3262	-.1038	-.0222							-.0351	.4055	.4339
90.000		.4451	.2843	-.4073	-.2315	-.1566	-.1445	-.0585	.0481	.1783	.4138	.0981	-.0608	.3360	.3085
135.000		.2722	.1248	-.5010	-.3987	-.1951							-.2492	.0192	-.0608
180.000	1.3410	.2798	.0823	-.4939	-.2390	-.2249	-.0777	-.0023	.0567	.2184	.3026	-.1584	-.4029	-.0869	-.0167
225.000		.2725	-.0964	-.5013	-.2783	-.2757	-.0661						-.3585	.0655	.0608
270.000		.4218	.0332		-.2603	-.2559	-.0336	.0704			.2763	-.3325	-.1655	-.0203	.0086
315.000		.5443	.4525	-.2296	-.2587	-.0629	.0554						-.2775	.0515	.0363

X/LS	.9580
PHI	
.000	.2172
45.000	.3907
90.000	.2538
135.000	.1413
180.000	.0000

ARC11-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1S33)

ALPHAO(11) = 9.990 BETAO (1) = -9.960

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.9580
PHI	
225.000	-.0723
270.000	-.0245
315.000	-.0295

ALPHAO(11) = 9.930 BETAO (2) = -7.920

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3310	.7144	4144	-.3367	-.0297	-.0444	.0613	.0818	.0832	.1157	.3477	-.1157	-.1901	.1903	.2882
45.000		.6173	.3938	-.3396	-.1339	-.0579							-.0411	.3926	.4260
90.000		.3791	.2515	-.4239	.2657	-.1373	-.1769	-.0800	.0093	.1095	.3702	.0767	-.0792	.3018	.2686
135.000		.2265	.1088	-.5046	-.4143	-.2167							-.2503	.0403	-.0506
180.000	1.3310	.2461	.0669	-.5093	-.2616	-.2566	.0985	-.0201	.0120	.1653	.2809	-.1461	-.3807	-.0425	.0241
225.000		.2368	-.1313	-.3234	-.3109	-.3311	-.0754						-.3319	.0764	.1082
270.000		.3902	.8156		-.2950	-.2379	-.0317	.0633			.1632	-.3249	-.1870	-.0685	-.0035
315.000		.6352	.4559	-.2193	-.2595	-.0543	.0687						-.2373	.0576	.0362

X/LS	.9580
PHI	
.000	.2501
45.000	.3822
90.000	.2139
135.000	-.1006
180.000	-.0302
225.000	-.0422
270.000	-.0313
315.000	-.0139

ALPHAO(11) = 9.940 BETAO (3) = -6.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3230	.6928	.4087	-.3398	-.0277	-.0561	.0466	.0394	.0572	.0820	.3067	-.1131	-.1763	.2177	.3011
45.000		.5654	.3694	-.3584	-.1695	-.0930							-.0600	.3513	.3895
90.000		.3068	.2230	-.4428	-.3014	-.2319	-.2129	-.0892	-.0390	.0538	.3369	.0475	-.1017	.2820	.2253
135.000		.1863	.0935	-.5075	-.4294	-.2262							-.2553	.0436	-.0248
180.000	1.3230	.2150	.0619	-.5065	-.2761	-.2856	-.0972	-.0229	-.0203	.1226	.2789	-.1325	-.3711	.0030	.1028
225.000		.1971	-.1634	-.3383	-.3265	-.3846	-.1006						-.3004	.0433	.1382

AP711-716 IA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1833)

ALPHAO(11) = 9.940 BETAO (3) = -6.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3632	.6002		-.3072	-.2266	-.0208	.0572			.0509	-.3089	-.2294	-.1339	-.0478
315.000		.6246	.4590	-.2184	-.2557	-.0549	.0699						-.2185	.0213	.0086

X/LS .9580

PHI	
.000	.2776
45.000	.3513
90.000	.1669
135.000	-.0553
180.000	.0262
225.000	-.0258
270.000	-.0483
315.000	-.0295

ALPHAO(11) = 9.890 BETAO (4) = -3.990

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3110	.6860	.4030	-.3444	-.0358	-.0533	.3166	.0115	.0417	.0559	.3053	-.1079	-.1455	.2619	.3239
45.000		.5120	.3386	-.3752	-.2046	-.1343							-.0709	.3411	.3719
90.000		.2495	.1911	-.4570	-.3316	-.2660	-.2325	-.0847	-.0531	.0236	.3151	.0248	-.1188	.2573	.1884
135.000		.1221	.0859	-.5085	-.4395	-.3192							-.2481	.0506	.0130
180.000	1.3110	.1732	.0538	-.5038	-.2824	-.2948	-.0598	.0047	-.0188	.1024	.2898	-.1403	-.3601	.0430	.1775
225.000		.1634	-.1758	-.3616	-.3326	-.3783	-.0746						-.2406	.0510	.0940
270.000		.3425	.7958		-.3216	-.2785	-.0707	.0425			.1487	-.2979	-.2336	-.1451	-.0673
315.000		.6087	.4610	-.2242	-.2555	-.0663	.0494						-.2004	.0301	.0115

X/LS .9580

PHI	
.000	.2845
45.000	.3298
90.000	.1317
135.000	-.0235
180.000	.0889
225.000	-.0441
270.000	-.0679
315.000	.0006

ARC11-716 IA14 01+T12+S12N25+AT10 SRM BOOSTER (RB1333)

ALPHAO(11) = 9.900 BETAO (5) = -1.980

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2980	.6470	.3849	-.3480	-.0243	-.0508	-.0221	-.0192	.0190	.0333	.3329	-.1122	-.1135	.3237	.3825
45.000		.4595	.2884	-.3982	-.2293	-.1583							-.0811	.3343	.3608
90.000		.1926	.1528	-.4759	-.3678	-.2993	-.2459	-.0816	-.0634	.0284	.2916	.0068	-.1363	.1838	.1635
135.000		.0663	.0677	-.5132	-.4489	-.1968							-.2284	.0679	.0549
180.000	1.2960	.1282	.0333	-.5062	-.2812	-.2804	-.0320	.0165	-.0148	.1041	.2812	-.1436	-.3416	.0836	.2328
225.000		.1205	-.2021	-.3475	-.3314	-.3464	-.0461						-.2147	.0635	.0472
270.000		.3106	.7802		-.3236	-.3176	-.1549	.0154			.3161	-.2726	-.2025	-.1292	-.0495
315.000		.6040	.4724	-.2175	-.2402	-.0455	.0102						-.1711	.0847	.0726

X/LS	.9580
PHI	
.000	.3279
45.000	.3110
90.000	.1011
135.000	-.0008
180.000	.1254
225.000	-.0781
270.000	-.0524
315.000	.0669

ALPHAO(11) = 9.910 BETAO (6) = .020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2750	.6253	.3802	-.3511	-.0219	-.0386	-.0533	-.0515	-.0108	.0150	.2890	-.1139	-.1007	.3793	.4331
45.000		.4053	.2449	-.4151	-.2543	-.1848							-.0989	.3225	.3465
90.000		.1341	.1238	-.4908	-.3958	-.3237	-.2515	-.0954	-.0699	.0205	.2750	-.0211	-.1412	.2458	.1425
135.000		.0151	.0566	-.5132	-.4516	-.1868							-.2102	.0977	.0880
180.000	1.2750	.0838	.0249	-.5067	-.2764	-.2907	.0032	.0293	.0076	.1138	.2564	-.1582	-.2804	.1281	.2289
225.000		.0788	-.2217	-.3561	-.3383	-.3528	-.0325						-.1648	.0621	-.0284
270.000		.2782	.7691		-.3368	-.3253	-.1154	.0050			.3008	-.2675	-.1705	-.0918	-.0261
315.000		.5992	.4766	-.2033	-.2198	-.0100	-.0087						-.1518	.1516	.1322

X/LS	.9580
PHI	
.000	.3731
45.000	.2936
90.000	.0800
135.000	.0205
180.000	.1195

ARC11-716 TA14 C1+T12+S12N25+AT10 SRM BOOSTER (RB1933)

ALPHAO(11) = 9.910 BETAO (6) = .020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1190
270.000	-.0449
315.000	.1332

ALPHAO(11) = 9.900 BETAO (7) = 2.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2570	.6043	.3723	-.3575	-.0428	-.0472	-.0858	-.0863	-.0377	-.0100	.2401	-.1345	-.0875	.3982	.4708
45.000		.3558	.2088	-.4375	-.2763	-.2141							-.0722	.3160	.3385
90.000		.0877	.0835	-.5075	-.4231	-.3453	-.2521	-.0972	-.0775	-.0043	.2538	-.0382	-.1096	.2762	.1539
135.000		-.0208	.0502	-.5184	-.4544	-.1770							-.1830	.1375	.1208
180.000	1.2570	.0502	.0233	-.5122	-.2923	-.2955	.0236	.0350	.0066	.1100	.2331	-.1739	-.1853	.1583	.1746
225.000		.0365	-.2332	-.3703	-.3526	-.3644	-.0131						-.1430	.0378	-.0829
270.000		.2569	.7544		-.3500	-.3449	-.0603	-.0064			.2829	-.2666	-.1783	-.1017	-.0394
315.000		.5947	.4774	-.1770	-.1872	.0071	-.0144						-.1472	.1588	.1707

X/LS .9580

PHI	
.000	.4049
45.000	.2870
90.000	.0782
135.000	.0399
180.000	.0748
225.000	-.1461
270.000	-.0615
315.000	.1940

ALPHAO(11) = 9.900 BETAO (8) = 4.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2570	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-.0858	-.0859	.2372	[illegible]	[illegible]	[illegible]	[illegible]
45.000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
90.000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
135.000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
180.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ARC11-716 1A14 01+T12+S12N35+AT10 SRM BOOSTER (RB1333)

ALPHAO(11) = 9.900 BETAO (8) = 4.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.2401	.7458		-.3607	-.3646	-.0687	-.0095			.2698	-.2502	-.2031	-.1637	-.1075
315.000		.5968	.4859	-.1748	-.1441	.0243	-.0295						-.1826	.1399	.1474

X/LS	.9580
PHI	
.000	.4067
45.000	.2371
90.000	.0627
135.000	.0495
180.000	.0190
225.000	-.1453
270.000	-.1077
315.000	.2392

ALPHAO(11) = 9.880 BETAO (9) = 6.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2140	.5693	.3460	-.3518	-.0398	-.0735	-.1484	-.1366	-.0764	-.0592	.1722	-.1530	-.1027	.3776	.4828
45.000		.2591	.1262	-.4851	-.2978	-.3101							-.1426	.2550	.2716
90.000		-.0096	.0042	-.5384	-.4679	-.3594	-.1671	-.1314	-.1202	.0182	.2419	-.0742	-.1572	.2485	.1284
135.000		-.0330	.0386	-.5078	-.4240	-.1603							-.1225	.1279	.1034
180.000	1.2140	-.0057	.0389	-.5096	-.2967	-.2858	.0254	.0220	-.0025	.1196	.1975	-.2197	-.0963	.1109	.0232
225.000		-.0647	-.1726	-.3766	-.3788	-.3688	-.0063						-.1801	-.0875	-.1248
270.000		.1951	.7425		-.3767	-.3873	-.0955	-.0327			.3204	-.2594	-.2055	-.1822	-.1288
315.000		.9901	.4999	-.1830	-.0780	.0550	-.0376						-.1746	.1801	.2485

X/LS	.9580
PHI	
.000	.4295
45.000	.2175
90.000	.0521
135.000	.0283
180.000	-.0495
225.000	-.1591
270.000	-.1419
315.000	.3518

ARC11-716 TA14 M1+T12+S12*25+AT10 SRM BOOSTER (PB1533)

ALPHAC(11) = 9.870 BETAC (10) = 9.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1940	.5305	.3274	-.5452	-.0389	-.0845	-.1590	-.1565	-.0034	-.0423	.1755	-.1681	-.0959	.4057	.5006
45.000		.1992	.0836	-.5096	-.3010	-.3546							-.1169	.2343	.2428
90.000		-.0509	-.0322	-.5520	-.4796	-.3206	-.1925	-.2072	-.0978	-.0324	.2246	-.0842	-.1461	.2473	.1430
135.000		-.0261	.0420	-.5005	-.4190	-.1732							-.0929	.1273	.1037
180.000	1.1940	-.0402	.0420	-.5125	-.3170	-.2453	-.0098	.0134	-.0070	.1097	.1962	-.2467	-.1077	.0978	.0003
225.000		-.1291	-.1497	-.5333	-.3978	-.3515	-.0284						-.1967	-.1138	-.1368
270.000		.1495	.7468		-.5362	-.4276	-.1315	-.0490			.3596	-.2800	-.2146	-.1720	-.1593
315.000		.5691	.5014	-.1012	-.0249	.0429	-.0417						-.1772	.2330	.3378

X/LS	.9580
PHI	
.000	.4319
45.000	.1910
90.000	.0639
135.000	.0235
180.000	-.0685
225.000	-.1669
270.000	-.2042
315.000	.4099

ALPHAC(11) = 10.000 BETAC (11) = 10.190

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1710	.4985	.3325	-.5206	-.0218	-.0935	-.1227	-.1141	-.0609	-.0718	.1343	-.1853	-.0827	.4363	.5236
45.000		.1315	.0413	-.5247	-.3295	-.4108							-.0710	.2180	.1999
90.000		-.0969	-.0704	-.5649	-.4883	-.2255	-.2691	-.1603	-.1335	-.0629	.2104	-.1026	-.1255	.2284	.1225
135.000		-.0210	.0341	-.5025	-.4048	-.0749							-.0836	.1097	.0861
180.000	1.1710	-.0741	.0428	-.5036	-.3127	-.1943	.0043	-.0009	-.0476	.0867	.1754	-.2702	-.1155	.0799	-.0400
225.000		-.2091	-.1172	-.4156	-.4069	-.3431	-.0420						-.2104	-.1299	-.1422
270.000		-.1931	-.0824		-.5111	-.4013	-.0979	-.0468			.3136	-.2377	-.2327	-.1901	-.2471
315.000		.1..	.4..	.0113	-.1..	-.0..	-.0346						-.1..	.3276	.5007

X/LS	.9580
PHI	
.000	.4...
45.000	.1...
90.000	.0...
135.000	.0...
180.000	-.0...
225.000	-.1...
270.000	-.2...
315.000	.4...

ARC11-716 IA14 O1+T12+S12N25+AT10 SRM BOOSTER (RB1535)

ALPHAO(11) = 10.000 BETAO (11) = 10.190

SECTION (11)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1689
270.000	-.3289
315.000	.5103

ARC11-716 IA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1534) (14 FEB 74)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .600 ELEVON = .000
RUDDER = .000 SPOBRK = .000

ALPHAT(1) = -8.360 BETAT (1) = -8.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0540	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	.9692	-.0758	-.7419	-.6801	-.3163	-.3623	-.1687	-.1569	-.1554	-.1587	-.0875	-.2584	-.2384	-.1082	-.2487
45.000		-.0722	-.7715	-.6801	-.3653	-.3703							-.2241	-.0208	-.1816
90.000		.1060	-.4457	-.4592	-.2703	-.2497	-.2643	-.2636	-.2619	-.2886	-.2009	-.1628	-.0499	.2437	.0951
135.000		.3611	-.0990	-.2553	-.0911	-.0654							.0682	.3903	.2321
180.000	.9692	.4766	-.2513	-.1507	.0114	.0323	.0160	.0187	.0323	-.0062	.0314	-.1500	-.0386	.1869	.0420
225.000		.3808	-.1337	-.1564	-.0451	-.0036	.0269						-.2426	-.1249	-.1613
270.000		.0394	.2033		-.6516	-.7573	-.2351	-.1533			.0184	-.3682	-.2943	-.2589	-.1995
315.000		-.1140	-.7449	-.5871	-.6791	-.4532	-.0753						-.3181	-.2628	-.2207

X/LS	.9580
PHI	
.000	-.2819
45.000	-.2288
90.000	-.0197
135.000	.0749
180.000	-.0734
225.000	-.1792
270.000	-.1667
315.000	-.2160

ALPHAT(1) = -8.330 BETAT (2) = -4.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0540	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	.9659	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-.1526	-.1612	-.0897	[illegible]	[illegible]	-.0711	-.1807
45.000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	.0250	-.1340
90.000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-.2677	.2909	-.1978	[illegible]	[illegible]	.1815	.0545
135.000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]	[illegible]
180.000	.9659	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-.0134	-.0565	-.0116	[illegible]	[illegible]	[illegible]	[illegible]
225.000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]	[illegible]
270.000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
315.000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

APC11-716 IA14 [illegible] AT11 S7A BOOSTER (RB1334)

ALPHAT (1) = -8.330 BETAT (2) = -4.040

SECTION (1)89M BOOSTER DEPENDENT VARIABLE CP

M/L8 .8580

PHI

.000	-.2262
45.000	-.1960
90.000	-.0498
135.000	.0171
180.000	-.0538
225.000	-.1016
270.000	-.1597
315.000	-.2554

ALPHAT (1) = -8.330 BETAT (3) = .00

SECTION (1)89M BOOSTER DEPENDENT VARIABLE CP

X/L	.0000	.0050	.0940	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	.9474	.5674	.2784	-.6366	.3194	.3129	-.1012	-.1007	-.1315	-.1966	-.1615	-.2077	-.1254	.0114	-.1184
45.000		-.0016	-.1542	-.2148	-.2809	-.2658							-.0949	.0461	-.0999
90.000		-.2361	-.4.33	-.62	-.3225	-.2902	-.2785	-.2633	-.2573	-.2758	-.1651	-.1606	-.0608	.1420	.0122
135.000		.6674	-.5.59	-.6744	-.4523	.3302							.0025	.2266	.1025
180.000	.9474	.4467	.2668	-.0360	.0019	-.0214	-.0939	-.0817	-.0536	-.1064	-.0702	-.1707	-.0336	.2181	.0906
225.000		.3479	-.1.37	-.1.636	-.1.933	-.1614	-.0256						-.1938	-.0468	-.0756
270.000		.0693	.2043		.6038	-.6945	-.2003	-.1064			.1471	-.3259	-.2507	-.1898	-.1486
315.000		-.1474	-.7261	-.5721	-.6429	-.4892	-.0942						-.2460	-.0855	-.1025

M/L5 .8580

PHI

.000	-.2047
45.000	-.1989
90.000	-.1119
135.000	-.0428
180.000	-.0440
225.000	-.1198
270.000	-.1612
315.000	-.1402

AP611-716 IA14 DIAT12+S12N25+AT11 SRM BOOSTER (RB1S34)

ALPHAT(1) = -8.320 BETAT (4) = 4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	.9329	-.1002	-.7365	-.6577	-.3258	-.2860	-.0760	-.0695	-.0633	-.0883	-.0695	-.1504	-.0186	.3315	.1375
45.000		-.0954	-.7407	-.7187	-.2496	-.2095							-.0370	.0830	-.0402
90.000		-.0942	-.7410	-.7074	-.3294	-.2810	-.2554	-.2285	-.2020	-.1951	-.0912	-.1434	-.0377	.1038	-.0148
135.000		.0875	-.6058	-.5391	-.3366	-.3108							-.0324	.1707	.0532
180.000	.9329	.4124	-.2992	-.3139	.1653	-.1633	-.1624	-.1318	-.0987	-.1347	-.1132	-.2050	-.0916	.1707	.0292
225.000		.4867	-.0622	-.1614	-.0303	-.0778	-.0454						-.2135	-.1286	-.1236
270.000		.0909	.2051		-.6041	-.6502	-.1781	-.0871			.1234	-.3611	-.2421	-.1767	-.1374
315.000		-.1547	-.7238	-.5650	-.6241	-.4767	-.0775						-.1954	.0129	-.0269

X/LS	.9580
PHI	
.000	.0232
45.000	-.1409
90.000	-.1168
135.000	-.0684
180.000	-.0702
225.000	-.1415
270.000	-.1556
315.000	-.0627

ALPHAT(1) = -8.350 BETAT (5) = 8.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	.9078	-.1155	-.7364	-.6619	-.3400	-.2520	-.0655	-.0550	-.0590	-.0773	-.0548	-.0910	.0839	.3791	.2407
45.000		-.1045	-.7367	-.7126	-.2169	-.1715							.0004	.2684	.0335
90.000		-.1479	-.7738	-.7526	-.3261	-.2719	-.2225	-.1705	-.1474	-.1512	-.0809	-.1095	-.0167	.0841	-.0146
135.000		-.0051	-.6910	-.6100	-.4183	-.3907							-.0642	.0445	-.0349
180.000	.9078	.3912	-.3350	-.3539	-.2243	-.2283	.2159	-.1947	-.1165	-.1367	-.1649	-.2194	-.1247	-.0229	-.0754
225.000		.5332	-.0369	-.1471	-.0870	-.0610	-.0700						-.1989	-.1287	-.1201
270.000		.1107	.2034		-.5994	-.6082	-.1424	-.0868			.0677	-.3750	-.2404	-.1684	-.1931
315.000		-.1539	-.7155	-.5614	-.6271	-.4290	-.0741						-.1431	.0925	.0631

X/LS	.9580
PHI	
.000	[illegible]
45.000	[illegible]
90.000	[illegible]
135.000	[illegible]
180.000	[illegible]

ARC11-716 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1S34)

ALPHAT(1) = -8.350 BETAT (5) = 8.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1475
270.000	-.2226
315.000	.0076

ALPHAT(2) = -4.310 BETAT (1) = -8.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9590
PHI															
.000	1.0610	.0442	-.6972	-.6871	-.2556	-.1783	-.0999	-.0817	-.0725	-.0772	-.0165	-.2310	-.2017	-.0461	-.2039
45.000		.0334	-.6454	-.5478	-.2401	-.1967							-.1368	.1068	-.0438
90.000		.2252	-.4334	.3515	.1686	-.0999	-.1023	-.0968	-.0941	-.1131	-.0673	-.0797	.0379	.3253	.1624
135.000		.3389	-.3276	-.2622	-.0604	-.0113							.0823	.3760	.2104
180.000	1.0610	.3622	-.3093	-.2205	-.0223	.0236	.0088	.0113	.0363	.0296	.0681	-.1466	-.0488	.1833	.0354
225.000		.3332	-.3044	-.2914	-.0970	.0416	.0233						-.2154	-.0894	-.1429
270.000		.2060	.3444		-.7933	-.0510	-.0393	-.0396			.1185	-.3418	-.2624	-.2179	-.1924
315.000		.0549	-.8012	-.6842	-.7314	-.1473	-.0940						-.2713	-.1899	-.1965

X/LS .9580

PHI	
.000	-.2539
45.000	-.1273
90.000	.0358
135.000	.0584
180.000	-.0755
225.000	-.1779
270.000	-.1371
315.000	-.2094

ALPHAT(2) = -4.300 BETAT (2) = -4.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9590
PHI															
.000	1.0590	.0301	-.7147	-.6881	-.2632	-.1620	-.0889	-.0777	-.0715	-.0768	-.0243	-.1919	-.1451	-.0070	-.1221
45.000		.0560	-.6714	-.5979	-.2271	-.1641							-.0723	.1281	-.0140
90.000		.1519	-.5450	-.4664	-.1858	-.1260	-.1238	-.1100	-.1058	-.1221	-.0634	-.0894	.0247	.2627	.1186
135.000		.2690	-.4025	-.3352	-.1183	-.0698							.0508	.3004	.1615
180.000	1.0590	.3527	-.3411	-.2567	-.0648	-.0179	-.0406	-.0363	-.0046	-.0 [illegible]	.0542	.1305	.0054	.1894	.0271
225.000		.3537	-.3142	-.3227	-.1290	.0079	-.0193						-.2027	-.1242	-.0969

AC11-716 TA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1S34)

ALPHAT(2) = -4.300 BETAT (2) = -4.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.2089	.3354		-.8449	-.0329	-.0439	-.0425			.1777	-.3135	-.2759	-.2546	-.2382
315.000		.0488	-.8110	-.7440	-.7694	-.1522	-.0782						-.2597	-.1842	-.1958

X/LS	.9580
PHI	
.000	-.1842
45.000	-.0981
90.000	-.0055
135.000	.0173
180.000	-.0625
225.000	-.1085
270.000	-.2237
315.000	-.2050

ALPHAT(2) = -4.300 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0510	.0180	-.7161	-.7070	-.2594	-.1495	-.0827	-.0682	-.0632	-.0751	-.0463	-.1767	-.0892	.0250	-.0468
45.000		.0304	-.6927	-.6477	-.2127	-.1402							-.0356	.1410	.0112
90.000		.0950	-.6122	-.5534	-.2094	-.1439	-.1328	-.1175	-.1055	-.1240	-.0638	-.0963	.0146	.2086	.0742
135.000		.1983	-.4931	-.4211	-.1738	-.1306							.0271	.2223	.1080
180.000	1.0510	.3392	-.3679	-.3095	-.1117	-.0732	-.0910	-.0745	-.0444	-.0602	-.0269	-.1550	-.0365	.1743	.0781
225.000		.3923	-.2932	-.2395	-.1439	-.0169	-.0478						-.1938	-.1027	-.0932
270.000		.2299	.3299		-.8638	-.0004	-.0547	-.0465			.1466	-.3047	-.2201	-.1631	-.1280
315.000		.0422	-.8163	-.7499	-.7703	-.1536	-.0681						-.1984	-.0872	-.1041

X/LS	.9580
PHI	
.000	-.1292
45.000	-.1014
90.000	-.0487
135.000	-.0218
180.000	-.0458
225.000	-.1310
270.000	-.1791
315.000	-.1547

APC11-716 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1534)

ALPHAT(2) = -4.300 BETAT (4) = 4.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0320	.0022	-.7176	-.7235	-.2639	-.1387	-.0812	-.0569	-.0526	-.0669	-.0399	-.1139	.0197	.2690	.1437
45.000		.0355	-.7078	-.6618	-.1926	-.1167							.0203	.1911	.0162
90.000		.0262	-.6570	-.6548	-.2126	-.1477	-.1282	-.1061	-.0926	-.0977	-.0337	-.0801	.0221	.1707	.0348
135.000		.1219	-.5000	-.7349	-.2375	-.1905							.0008	.1624	.0608
180.000	1.0320	.3092	-.3091	-.3598	-.1617	-.1122	-.1430	-.1159	-.0799	-.1064	-.0673	-.1748	-.0512	.1325	.0380
225.000		.4074	-.2773	-.2324	-.1493	-.0576	-.0679						-.1775	-.0711	-.0807
270.000		.2802	.3375		-.0026	-.0153	-.0506	-.0589			.1167	-.3157	-.2031	-.1430	-.1041
315.000		.0136	-.8005	-.7280	-.7011	-.1720	-.0607						-.1437	.0289	.0019

X/LS	.9580
PHI	
.000	.0120
45.000	-.0952
90.000	-.0801
135.000	-.0618
180.000	-.0675
225.000	-.1251
270.000	-.1336
315.000	-.0419

ALPHAT(2) = -4.300 BETAT (5) = 4.135

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0080	-.0172	-.7224	-.7738	-.2716	-.1327	-.0753	-.0535	-.0445	-.0586	-.0138	-.0739	.1044	.3637	.2514
45.000		-.0232	-.7197	-.6670	-.1870	-.1011							.0786	.3120	.1493
90.000		-.0190	-.6929	-.6614	-.2101	-.1367	-.1199	-.1043	-.0906	-.0919	-.0038	-.0851	.0100	.1740	.0028
135.000		.0557	-.6494	-.6574	-.2939	-.2453							-.0375	.0835	-.0026
180.000	1.0080	.2252	-.4187	-.4071	-.2133	-.1876	-.1926	-.1500	-.0957	-.0985	-.1125	-.2079	-.1127	-.0172	-.0656
225.000		.4432	-.2421	-.3143	-.1453	-.0539	-.0916						-.1833	-.1199	-.1014
270.000		.2810	.3418		-.0044	-.0129	-.0777	-.0779			.0683	-.3431	-.2305	-.1456	-.1549
315.000		.0339	-.7719	-.6981	-.7293	-.1535	-.0521						-.1263	.1117	.1272

X/LS	.9580
PHI	
.000	.0764
45.000	.0135
90.000	-.0985
135.000	-.0974
180.000	-.1257

AP011-718 IA14 C1+T12+S12*24+AT11 SRM BOOSTER (RB1534)

ALPHAT(2) = -4.300 BETAT (5) = 3.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	- 1272
270.000	-.2113
315.000	.0599

ALPHAT(3) = -.490 BETAT (1) = -8.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0940	.1581	-.6230	-.5481	-.1858	-.1139	-.0601	-.0438	-.0365	-.0311	.0315	-.1918	-.1406	.0437	-.1081
45.000		.2106	-.5419	-.4271	-.1507	-.0886							-.0122	.2492	.0809
90.000		.2818	-.4232	-.3417	-.0386	-.0245	-.0148	-.0089	.0006	-.0045	.0348	-.0092	.1059	.3881	.2089
135.000		.2919	-.4006	-.3122	-.0650	.0026							.0823	.3569	.1830
180.000	1.0940	.2630	-.4292	-.3242	-.0564	.0221	.0103	.0124	.0430	.0657	.1002	-.1436	-.0460	.1622	.0259
225.000		.2624	-.4590	-.3994	-.1851	.0489	.0109						-.1834	-.0729	-.1127
270.000		.2704	.4243		-.7649	.0103	-.0207	-.0134			.1715	-.3033	-.2400	-.1968	-.1628
315.000		.1928	-.6872	-.6030	-.4038	-.1657	-.0261						-.2403	-.1504	-.1726

X/LS .9580

PHI	
.000	-.1753
45.000	-.0315
90.000	.0639
135.000	.0318
180.000	-.0795
225.000	-.1521
270.000	-.1426
315.000	-.1916

ALPHAT(3) = -.470 BETAT (2) = -4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0940	.1454	-.6336	.5704	-.1998	- .142	- .0677	-.0430	-.0380	-.0350	.0145	-.1728	.1418	.0784	-.0834
45.000		.1619	-.5516	-.4373	-.1643	-.98							-.0	.2493	.0995
90.000		.2318	-.4328	-.3513	-.0524	-.0	-.0159	-.0094	-.0041	-.0282	.0260	-.0341	.0997	.3	.1906
135.000		.2033	-.4101			-.0741	-.0360						.0592	.3	.1745
180.000	1.0940	.2733	-.4387	-.3			-.0	-.0058	.00	.0049	.1319	-.0599	-.0	.1	.0177
225.000		.2727	-.4	-.4	-.1	-.0	.0						-.1	-.0	-.1319

APC11-716 IA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1S34)

ALPHAT(3) = -.470 BETAT (2) = -4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.2809	.4196		-.8266	-.0291	-.0567	-.0454			.1758	-.2907	-.2593	-.2212	-.2046
315.000		.1835	-.6994	-.6399	-.4227	-.1965	-.0434						-.2344	-.1405	-.1814

X/LS	.9580
PHI	
.000	-.1136
45.000	-.0200
90.000	.0102
135.000	.0008
180.000	-.0824
225.000	-.1029
270.000	-.1986
315.000	.2018

ALPHAT(3) = -.470 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0080	.1312	.3436	-.5952	-.2100	-.1130	-.0694	-.0450	-.0326	-.0419	.0013	-.1499	-.0428	.1282	.0489
45.000		.1232	-.6223	-.5468	-.1711	-.0911							.0478	.2345	.1105
90.000		.1475	-.5657	-.4920	-.1483	-.0759	-.0577	-.0493	-.0350	-.0380	.0069	-.0413	.0716	.2505	.1147
135.000		.1812	-.5274	-.4534	-.1420	-.0780							.0381	.2165	.1084
180.000	1.0080	.2312	-.4825	-.4107	-.1318	-.0634	-.0792	-.0588	-.0249	-.0189	.0140	-.1531	-.0364	.1096	.0275
225.000		.2903	-.4609	-.4578	-.0354	-.0285	-.0691						-.1751	-.0627	-.0869
270.000		.3010	.4191		-.8432	-.0408	-.0804	-.0565			.1576	-.2825	-.2099	-.1476	-.1141
315.000		.1908	-.6928	-.6263	-.4302	-.1986	-.0554						-.1802	-.0606	-.0961

X/LS	.9580
PHI	
.000	-.0995
45.000	-.0256
90.000	-.0196
135.000	-.0333
180.000	-.0674
225.000	-.1290
270.000	-.1236
315.000	-.1314

MSC11-716 IA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1S34)

ALPHAT(3) = -.470 BETAT (4) = 4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0690	.1145	-.6452	-.5988	-.2257	-.1182	-.0735	-.0455	-.0377	-.0443	-.0030	-.1053	.0586	.2616	.1723
45.000		.0793	-.6545	-.5959	-.1716	-.0883							.0835	.2527	.1190
90.000		.0849	-.6162	-.5567	-.1575	-.0799	-.0613	-.0496	-.0368	-.0428	-.0161	-.0446	.0552	.2284	.0657
135.000		.1225	-.5809	-.5259	-.1715	-.1075							.0149	.1745	.0666
180.000	1.0690	.2100	-.5013	-.4439	-.1703	-.1116	-.1137	-.0904	-.0544	-.0455	-.0223	-.1582	-.0526	.0962	.0225
225.000		.3123	-.4148	-.4173	-.2320	-.0473	-.0872						-.1594	-.0676	-.0736
270.000		.3283	.4238		-.8601	-.0336	-.0931	-.0687			.1525	-.3004	-.1981	-.1256	-.0903
315.000		.2090	-.6707	-.6127	-.4284	-.1990	-.0488						-.1463	.0483	.0484

X/LS	.9580
PHI	
.000	.0377
45.000	-.0260
90.000	-.0550
135.000	-.0523
180.000	-.0759
225.000	-.1127
270.000	-.1229
315.000	.0084

ALPHAT(3) = -.470 BETAT (5) = 8.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0470	.0953	-.6592	-.5865	-.2356	-.1292	-.0794	-.0514	-.0455	-.0538	-.0012	-.0568	.1245	.3599	.2341
45.000		.0364	-.6839	-.6181	-.1807	-.0956							.0917	.2800	.1169
90.000		.0409	-.6511	-.5839	-.1545	-.0755	-.0563	-.0499	-.0431	-.0490	-.0265	-.0391	.0529	.1997	.0645
135.000		.0690	-.6300	-.5817	-.2083	-.1407							-.0081	.1477	.0284
180.000	1.0470	.1856	-.5217	-.4645	-.2145	-.1589	-.1520	-.1211	-.0721	-.0599	-.0529	-.1955	-.0994	.0183	-.0368
225.000		.3385	-.3821	-.4097	-.2344	-.0622	-.1077						-.1747	-.0816	-.0700
270.000		.3545	.4322		-.8523	-.0452	-.1137	-.1031			.1384	-.3087	-.2168	-.1378	-.1291
315.000		.2287	-.6340	-.5697	-.3973	-.1940	-.0557						-.0944	.1574	.1748

X/LS	.9580
PHI	
.000	.0770
45.000	-.0304
90.000	-.0593
135.000	-.0787
180.000	-.1031

ARC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1S34)

ALPHAT(3) = -.470 BETAT (5) = 3.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1087
270.000	-.1817
315.000	.1064

ALPHAT(4) = 3.950 BETAT (1) = -8.170

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	[illegible]	[illegible]	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0740	[illegible]	[illegible]	[illegible]	[illegible]	.0346	-.0165	-.0046	.0064	.0042	.0621	-.1434	-.0765	.1562	-.0145
45.000		[illegible]	-.4149	-.3271	-.1195	-.0247							.0819	.3514	.1795
90.000		[illegible]	[illegible]	[illegible]	[illegible]	-.0220	-.0032	.0055	.0174	.0360	.0902	.0153	.1211	.4079	.2058
135.000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							.0325	.2915	.1171
180.000	1.0740	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-.0111	-.0092	.0034	.0961	.1082	-.1439	-.0751	.1008	-.0038
225.000		[illegible]	[illegible]	[illegible]	.1397	-.0855	.0058						-.1757	-.0659	-.1137
270.000		.2455	.4424		-.7730	-.1087	-.0339	-.0070			.1538	-.2849	-.2329	-.1815	-.1484
315.000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						-.2311	-.1232	-.1848

[illegible] .9590

PHI	
.000	-.1769
45.000	.7940
90.000	.0654
135.000	-.0172
180.000	-.0168
225.000	-.1402
270.000	-.1243
315.000	.1778

ALPHAT (2) = 3.970 BETAT (2) = -4.350

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0720	[illegible]	-.5055	-.3981	-.1257	-.0421	-.0308	-.0208	-.0099	-.0098	.0493	-.1267	-.0370	.1391	.0525
45.000		.2515	-.4702	-.3781	-.1191	-.0508							.0836	.3326	.1775
90.000		.1937	-.4998	-.4209	-.1289	-.0565	-.0406	-.0327	-.0130	.0078	.0882	-.0165	.0904	.3284	.1390
135.000		.1365	-.5423	-.4579	-.1405	-.0658							.0259	.2145	.0877
180.000	1.0720	.1126	-.5680	-.4821	-.1492	-.0564	-.0394	-.0270	-.0170	-.0111	-.0177	-.1189	-.0380	.0922	-.0109
225.000		.1282	-.6836	-.5759	-.1309	-.1200	-.0308						.1563	-.0841	-.0831

AP611-716 IA14 C8+T12+S12N25+AT11 SRM BOOSTER (RB1534)

ALPHAT(4) = 3.970 BETAT (2) = -4.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.2543	.4052		-.8020	-.1156	-.0699	-.0258			.1812	-.2586	-.2096	-.1951	-.1589
315.000		.3058	-.4839	-.4259	-.2347	-.0406	-.0573						-.2087	-.1053	-.1356

X/LS	.9500
PHI	
.000	-.0457
45.000	.0404
90.000	.0259
135.000	-.0343
180.000	-.0962
225.000	-.0992
270.000	-.1494
315.000	-.1649

ALPHAT(4) = 3.970 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0680	.2720	-.5187	-.4292	-.1506	-.0632	-.0564	-.0407	-.0300	-.0294	.0253	-.1185	.0034	.2168	.1308
45.000		.1863	-.5496	-.4533	-.1560	-.0831							.0768	.2892	.1532
90.000		.1260	-.5672	-.5003	-.1502	-.0753	-.0650	-.0534	-.0333	-.0090	.0432	-.0404	.0603	.2271	.0882
135.000		.1015	-.5788	-.5209	-.1495	-.0750							.0285	.1497	.0411
180.000	1.0680	.1024	-.5794	-.5348	-.1704	-.0822	-.0669	-.0416	-.0013	.0352	.0612	-.1338	-.0321	.1326	.0111
225.000		.1326	-.5246	-.5087	-.4507	-.1506	-.0576						-.1444	-.0646	-.0625
270.000		.2735	.4049		-.8291	-.1029	-.0896	-.0448			.1690	-.2842	-.2345	-.1795	-.1443
315.000		.3326	-.4979	-.4527	-.2437	-.0401	-.0618						-.1934	-.0539	-.0948

X/LS	.9580
PHI	
.000	.0138
45.000	.0141
90.000	-.0301
135.000	-.0776
180.000	-.0923
225.000	-.0870
270.000	-.1512
315.000	-.1903

ARC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1S34)

ALPHAT(4) = 3.980 BETAT (4) = 4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.0520	.2521	-.5360	-.4472	.1768	-.0935	-.0897	-.0665	-.0644	-.0596	-.0039	-.0998	.0646	.3095	.2056
45.000		.1200	-.6254	-.5257	-.1926	-.1180							.0661	.2631	.1153
90.000		.0679	-.6227	-.5577	-.2610	-.0743	-.0700	-.0602	-.0441	-.0278	.0154	-.0429	.0487	.1710	.0335
135.000		.0758	-.6191	-.5580	-.2572	-.0205							.0224	.2021	.0690
180.000	1.0820	.0834	-.1913	-.1556	-.1059	-.1013	-.0841	.0560	-.0162	.0448	.0259	-.1492	-.0427	.1333	.0249
225.000		.1407	-.6111	-.5983	-.4077	-.1630	-.0727						-.1429	-.0542	-.0557
270.000		.3511	.0139		-.2429	-.0979	-.0945	.19			.4557	-.2919	-.1995	-.1266	-.0742
315.000		.3541	-.3734	-.4463	-.2467	-.0361	-.0836						-.1399	.0507	.0449

X/LS .5590

PHI	
.000	.0656
45.000	-.0238
90.000	-.0[illegible]
135.000	.0[illegible]
180.000	.0[illegible]
225.000	-.1[illegible]
270.000	-.1[illegible]
315.000	.0[illegible]

A[illegible] S[illegible]

SECTION SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	.0296	.2235	.5494	-.4659	.2104	.1032	-.1186	-.0982	-.0939	-.0771	-.0267	-.0564	.1129	.3962	.2436
45.000		.0513	-.6711	-.5935	-.2261	-.1535							.0554	.2430	.0611
90.000		.0187	-.6741	-.5938	-.1617	-.0814	-.0774	-.0718	-.0623	-.0470	-.0043	-.0311	.0401	.1672	.0106
135.000		.0340	-.6355	-.5905	-.1670	-.0174							.0122	.2191	.0761
180.000	.0297	.0741	-.6240	-.5611	.0335	.1131	-.0840	-.0744	-.0309	-.0110	.0032	-.1421	-.0584	.1060	-.0031
225.000		.1324	-.5807	-.5734	-.4519	-.1883	-.0834						-.1449	-.0614	-.0659
270.000		.3341	.4212		-.2296	-.0487	-.0910	-.0641			.1627	-.2854	-.2081	-.1207	-.0913
315.000		.3798	-.4280	-.4140	-.2235	-.0211	-.0490						-.0850	.1770	.1847

X/LS .9580

PHI	
.000	.0787
45.000	-.0662
90.000	-.1171
135.000	-.0469
180.000	-.0855

[illegible] (RR1534)

ALPHAT(4) = 3.150 BETAT (3) = [illegible]

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9300

PHI	
225.000	-.1038
270.000	-.1389
315.000	.1259

ALPHAT(5) = 7.940 BETAT (1) = -8.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2370	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	.9995	.4187	-.3540	-.2484	-.0470	.0163	.0216	.0279	.0367	.0541	.0796	-.1029	-.0119	.2207	.0769
													.1231	.4195	.2323
45.000		.3634	-.3465	-.2585	-.0616	-.0126							.0741	.3547	.1537
90.000		.1779	-.4579	-.3652	-.1695	-.0379	-.0940	-.0742	-.0444	.0033	.0790	-.0235	-.0345	.1920	.0185
135.000		.0275	-.5997	-.5060	-.2169	-.1550							-.0759	.0594	-.0711
180.000	.9898	.0118	-.6042	-.4341	-.1730	-.1140	-.0619	-.0500	-.0075	.0545	.0630	-.1599	-.1664	-.0651	-.1087
225.000		-.0132	-.6247	-.4630	-.6827	-.1211	.0121						-.2131	-.1749	-.1351
270.000		.1191	.3809		-.5106	.0444	-.0069	.0024			.1429	-.2615	-.1991	-.0699	-.1294
315.000		.3419	-.3266	-.2578	-.1161	.0509	.0266								

X/LS .9500

PHI	
.000	-.0419
45.000	.0793
90.000	.0240
135.000	-.0927
180.000	-.1566
225.000	-.1485
270.000	-.1258
315.000	-.1665

ALPHAT(5) = 7.980 BETAT (2) = -4.090

SECTION (1 SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2370	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	.9995	.4071	-.3[illegible]	-.2817	[illegible]	[illegible]	[illegible]	.0002	-.0001	.0045	.0570	[illegible]	[illegible]	[illegible]	.1343
													[illegible]	[illegible]	[illegible]
45.000		[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]	[illegible]
90.000		[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	-.0897	-.0380	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
135.000		[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]	[illegible]
180.000	.9814	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	-.1261	[illegible]	[illegible]	[illegible]
225.000		[illegible]	[illegible]										[illegible]	[illegible]	[illegible]

APC11-716 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (R81334)

ALPHAT(51) = 7.980 BETAT(21) = -4.090

SECTION 1 1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0050	.0340	.0980	.1150	.1440	.2010	.2670	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.1257	.3044		-.6751	.0275	-.0294	-.0243			.1532	-.2471	-.2078	-.1837	-.1356
315.000		.3797	-.3015	-.2682	-.1359	.0299	.0106						-.1933	-.0490	-.1082

X/LS	.9580
PHI	
.000	.0061
45.000	.0419
90.000	-.0354
135.000	-.1027
180.000	-.1336
225.000	-.1035
270.000	-.1333
315.000	-.1831

A PHAT(4 = 7.940 BETAT(51) = .010

SECTION 1 SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0050	.0340	.0980	.1150	.1440	.2010	.2670	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	.3794	.3551	.1066	.0116	.0197	.0818	-.0553	-.0417	-.0382	-.0364	.0140	-.0917	.0529	.3182	.2011
45.000		.1895	.0181	-.0412	.1074	.1420							.0577	.3034	.1394
90.000		.0313	-.0271	-.0402	.2267	-.1586	-.1553	-.1448	-.1112	.0501	.0440	-.0698	.0136	.1868	.0089
135.000		.0189	.0466	-.0610	-.1410	.1207							.0024	.1058	-.0195
180.000	.9798	.0164	.0416	.0703	-.0111	.1225	-.0836	-.0620	-.0227	.0292	.0606	-.1371	-.0259	.1755	.0483
225.000		.0409	-.0148	-.0143	.0026	.1114	-.0828						-.1341	-.0344	-.0566
270.000		.1155	.0057		.1316	.0125	-.0479	-.0313			.1561	-.2645	-.1963	-.1539	-.1150
315.000		.4090	.2790	-.2761	-.1420	.0149	-.0051						-.1740	-.0012	-.0254

X/LS	.9580
PHI	
.000	.0539
45.000	-.0135
90.000	-.1034
135.000	-.1500
180.000	-.0496
225.000	-.0899
270.000	.0496
315.000	-.0834

A5611-716 TA14 01+712+512+25+A711 SRM BOOSTER (RB1534)

ALPHAT(5) = 7.970 BETAT (5) = 4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/S	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	.9999	.3663	-.4222	-.3503	-.1500	-.0917	-.0961	-.0848	-.0791	-.0770	-.0249	-.0675	.0955	.615	.2522
45.000		.1073	-.8156	-.4967	-.2525	-.1473							.0339	.2662	.0815
90.000		-.0293	-.6664	-.6001	-.2359	-.1603	-.1575	-.1430	.0898	-.0399	.0229	-.0562	.0118	.1381	-.0212
135.000		-.0230	-.6556	-.6115	-.1791	-.1000							-.0054	.1642	.0000
180.000	.9999	-.0314	-.6502	-.6097	-.0310	-.1208	-.0991	-.0641	-.0200	.0185	.0336	-.1294	-.0300	.1771	.0551
225.000		-.0491	-.6081	-.5879	-.2904	-.1146	-.0625						-.1388	-.0337	-.0436
270.000		.1670	.3006		-.7485	-.0011	-.0509	-.0372			.1636	-.2785	-.1945	-.1096	-.0642
315.000		.4416	-.2460	-.2573	-.1341	.0772	-.0032						-.0975	.1265	.1176

X/S .9580

PHI	
.000	.0904
45.000	-.0552
90.000	-.1298
135.000	-.1227
180.000	-.0520
225.000	-.0952
270.000	-.1003
315.000	.0624

ALPHAT(5) = 7.980 BETAT (5) = 8.240

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/S	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	.9374	.3415	-.4333	-.3801	-.1933	-.1415	-.1404	-.1311	-.1269	-.1099	-.0526	-.0429	.1304	.4362	.2716
45.000		.0236	-.7001	-.5745	-.3036	-.2659							.0127	.2346	.0172
90.000		-.0673	-.7746	-.6471	-.2332	-.1617	-.1413	-.1287	-.1016	-.0744	.0003	-.0532	.0109	.1141	-.0273
135.000		-.0333	-.6695	-.6075	-.1705	-.0931							.0032	.2263	.0550
180.000	.9374	-.0360	-.6631	-.6020	-.0643	-.1334	-.1078	-.0693	.0237	.0548	.0222	-.1343	-.0341	.1645	.0458
225.000		-.0473	-.6572	-.5833	-.2900	-.1134	-.0798						-.1194	-.0234	-.0361
270.000		.2214	.3338		-.7798	-.0423	-.0502	-.0362			.1905	-.2603	-.1769	-.0909	-.0837
315.000		.4411	-.2441	-.2573	-.1330	.0783	-.0033						-.0955	.1303	.2626

X/S .9580

PHI	
.000	.0647
45.000	.0111
90.000	-.1423
135.000	-.1227
180.000	-.0520

AFC11-718 TA14 O1+T12+S12N25+AT11 SRM BOOSTER (R81534)

ALPHAT(5) = 7.950 BETAT (5) = 9.240

SECTION 11 SRM BOOSTER DEPENDENT VARIABLE CP

R/LS .9580

PHI	
225.000	-.0961
270.000	-.1491
315.000	.1759

AP011-716 IA14 01+712+S12N25+AT11 SRM BOOSTER (RB1S35) (14 FEB 74)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .750 ELEVON = .000
RUDDER = .000 SPDBRK = .000

ALPHAT(1) = -5.470 BETAT (1) = -8.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.0370	-.0295	-.5600	-.7330	-.4466	-.4230	-.1736	-.1488	-.1488	-.1539	-.0666	-.3045	-.2601	-.1461	-.2694
45.000		-.0300	-.5512	-.8495	-.3932	-.4078							-.2279	-.0559	-.1988
90.000		.1471	-.3901	-.7582	-.2762	-.2680	-.2863	-.2699	-.2547	-.2845	-.1802	-.1889	-.0580	.2145	.1024
135.000		.3988	-.1676	-.5919	-.0854	-.0746							.0642	.3582	.2447
180.000	1.0370	.5139	-.1017	-.3941	.0169	.0304	.0049	.0137	.0450	.0258	.0872	-.1762	-.0343	.1625	.0391
225.000		.4244	-.0443	-.1966	-.0456	.0041	.0189						-.2425	-.1596	-.1792
270.000		.0989	.3432		-.6456	-.9302	-.2620	-.1477			-.0077	-.4011	-.2987	-.2179	-.1793
315.000		-.0632	-.6632	-.6348	-.6448	-.5649	-.0901						-.3518	-.2754	-.2121

X/LS	.9580
PHI	
.000	-.2991
45.000	-.2538
90.000	-.0095
135.000	.1020
180.000	-.0790
225.000	-.2013
270.000	-.1278
315.000	-.2206

ALPHAT(1) = -5.430 BETAT (2) = -4.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.0330	-.0347	-.5472	-.7507	.4221	-.3926	-.1440	-.1259	-.1488	-.1542	-.0704	-.2889	-.2138	-.1080	-.1899
45.000		-.0442	-.5467	-.7799	-.3992	-.3573							.1548	-.0215	-.1504
90.000		.0759	-.4480	-.8935	-.3183	-.3023	-.3078	-.2860	-.2828	-.2917	-.1762	-.197.	-.0869	.1479	.0591
135.000		.3285	-.2377	-.7366	-.1719	-.139							.0220	.2399	.1545
180.000	1.0330	.5001	-.1134	-.4707	-.0710	-.0437	-.0607	-.0611	.0042	-.0242	.0543	-.2214	-.0414	.2479	.0952
225.000		.4581	-.0701	-.1954	-.0375	-.0107	-.0204						-.2517	-.1639	-.1917
270.000		.0935	.2737		-.6157	-.914	-.2343	-.1539			.1377	-.3711	.3097	-.2244	-.1617
315.000		-.0881	-.6.10	-.6	-.6181	-.5.6	-.0..						-.3161	-.2867	-.2375

X/LS .9580

ARC11-716 IA14 C1+T12+S12N25+A111 SRM BOOSTER (RB1S35)

ALPHAT(1) = -8.430 BETAT (2) = -4.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
.000	-.2378
45.000	-.2070
90.000	-.0492
135.000	.0231
180.000	-.0374
225.000	-.1086
270.000	-.0993
315.000	-.2489

ALPHAT(1) = -8.420 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0253	-.0421	.5348	-.7356	-.0969	-.3734	-.1097	-.0860	.1250	-.1869	-.1474	-.2329	-.1379	-.0027	-.1244
45.000		-.0401	.5046	-.7454	-.4425	-.3024							-.0970	-.0014	-.1025
90.000		.0671	.4810	-.9360	-.5456	-.3232	-.3067	-.2707	-.2455	-.2707	-.1355	-.1970	-.0631	.0854	.0060
135.000		.2354	.5402	-.7939	.2671	-.2626							-.0275	.2046	.1006
180.000	-.0220	.4208	.1427	-.5291	.1012	-.1149	-.1189	.0827	-.0414	-.0841	-.0305	-.2210	-.1173	.2635	.0799
225.000		.4504	-.0038	-.1709	-.0898	-.0775	-.0505						-.1828	-.1350	-.1043
270.000		.1238	.3315		-.5973	-.7824	-.2021	-.0739			.1692	-.3529	-.3012	-.2320	-.2019
315.000		-.0394	-.6246	.5991	-.5948	-.5963	-.0859						-.2891	-.1708	-.1733

X/LS .9580

PHI	
.000	-.1940
45.000	-.1828
90.000	-.0945
135.000	-.0204
180.000	-.0146
225.000	-.1104
270.000	-.2054
315.000	-.1555

ARC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1335)

ALPHAT(1) = -8.450 BETAT (4) = 4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0040	-.0300	-.5262	-.7823	-.3777	-.3609	-.0769	-.0565	-.0600	-.0806	-.0608	-.1856	-.0409	.2779	.1561
45.000		-.0510	-.5244	-.7163	-.4277	-.2391							-.0483	.0665	-.0354
90.000		-.0532	-.5411	-.9113	-.3732	-.3205	-.2854	-.2296	-.1828	-.1891	-.0576	-.1874	-.0505	.0430	-.0183
135.000		.1421	-.4252	-.8376	-.3692	-.3487							-.0623	.1331	.0403
180.000	1.0040	.4686	-.1715	-.4945	-.1843	-.1925	-.1775	-.1367	-.0822	-.1105	-.1036	-.2178	-.1258	.1211	-.0062
225.000		.5370	.0364	-.1303	-.1008	-.1005	-.0679						-.1837	-.1405	-.1458
270.000		.1460	.3319		-.5748	-.7463	-.1761	-.0592			.1310	-.3630	-.2546	-.2183	-.1915
315.000		-.1069	-.6041	-.6091	-.5871	-.5770	-.0827						-.2313	-.0425	-.0855

X/LS	.9580
PHI	
.000	.0474
45.000	-.1241
90.000	-.1185
135.000	-.0624
180.000	-.0893
225.000	-.1681
270.000	-.1817
315.000	-.0887

ALPHAT(1) = -8.450 BETAT (5) = 8.170

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	.9757	-.0733	-.5322	-.8096	-.3869	-.3568	-.0552	-.0412	-.0491	-.0756	-.0433	-.1310	.0582	.3416	.2418
45.000		-.0637	-.5330	-.7076	-.4138	-.1950							-.0205	.2099	.0274
90.000		-.1008	-.5716	-.8687	-.3903	-.3020	-.2353	-.1629	-.1322	-.1374	-.0735	-.1465	-.0438	.0380	-.0339
135.000		.0501	-.5013	-.9170	-.4630	-.4295							-.0900	-.0200	-.0608
180.000	.9757	.4424	-.1940	-.4154	-.2456	-.2728	-.2405	-.1745	-.1004	-.1138	-.1542	-.2406	-.1530	-.0717	-.1155
225.000		.5785	.0663	-.1199	-.1015	-.1249	-.0834						-.2007	-.1544	-.1351
270.000		.1695	.3319		-.5662	-.7161	-.1415	-.0472			.0759	-.3425	-.2479	-.1624	-.1651
315.000		-.1091	-.5844	-.5855	-.5736	-.5529	-.0786						-.1640	.0316	.0227

X/LS	.9580
PHI	
.000	.1161
45.000	-.0890
90.000	-.1048
135.000	-.1281
180.000	-.1625

ARC11-718 IA14 01+T12+S12N25+AT11 SRM BOOSTER (R81335)

ALPHAT(1) = -8.450 BETAT (5) = 8.170

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1611
270.000	-.1968
315.000	-.0160

ALPHAT(2) = -4.370 BETAT (1) = -8.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1220	.0377	-.4814	-.5692	-.3523	-.2695	-.0660	-.0704	-.0625	-.0654	.0163	-.2267	-.1970	-.0698	-.2041
45.000		.1351	-.4294	-.7793	-.2437	-.2272							-.1239	.0815	-.0400
90.000		.2678	-.2724	-.8336	-.1481	-.1115	-.1007	-.0948	-.0833	-.0977	-.0387	-.0358	.0343	.3078	.1796
135.000		.3725	-.1958	-.7131	-.0475	-.0179							.0789	.3560	.2350
180.000	1.1220	.3956	-.1509	-.6322	-.0155	.0179	.0037	.0081	.0432	.0649	.1354	-.1673	-.0472	.1341	.0280
225.000		.3732	-.1673	-.5928	-.1302	.0022	.0100						-.2343	-.1176	-.1667
270.000		.2566	-.4917		-.5692	-.5071	-.1055	-.1035			.0802	-.3574	-.2630	-.2041	-.1766
315.000		.1110	-.3631	-.3703	-.5621	-.4743	-.0363						-.2819	-.2063	-.1906

X/LS .9580

PHI	
.000	-.2524
45.000	-.1209
90.000	.0439
135.000	.0847
180.000	-.0710
225.000	-.1983
270.000	-.1378
315.000	-.1925

ALPHAT(2) = -4.370 BETAT (2) = -4.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1230	.0802	-.4875	-.7330	-.4126	-.2389	-.0955	-.0741	-.0683	-.0659	-.0137	-.2226	-.1607	-.0472	-.1480
45.000		.1096	-.4474	-.7892	-.2957	-.1902							-.0855	.0985	-.0108
90.000		.1939	-.3614	-.8242	-.1894	-.1475	-.1303	-.1187	-.1044	-.1147	-.0457	-.1203	.0137	.2398	.1300
135.000		.3109	-.2431	-.7871	-.1032	-.0815							.0405	.2498	.1538
180.000	1.1230	.3873	-.2012	-.7118	-.0568	-.0213	-.0491	-.0398	.0029	-.0134	-.0714	-.1725	.0414	.2004	.0719
225.000		.3928	-.1523	-.5554	-.1666	-.0014	-.0244						-.0039	-.1345	-.1049

C11-715 IA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1S35)

ALPHAT(2) = -4.370 BETAT (2) = -4.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4890	.5030	.7180	.8330	.8900	.9170	.9590
PHI															
270.000		.2624	.4807		-.6997	-.1483	-.0315	-.0425			.1803	-.3381	-.2941	-.2587	-.2400
315.000		.1024	-.5944	-1.0370	-.6926	-.3222	-.0792						-.2746	-.1927	-.2085

X/LS	.9580
PHI	
.000	-.2000
45.000	-.1038
90.000	.0078
135.000	.0201
180.000	-.0438
225.000	-.0988
270.000	-.2175
315.000	-.2175

ALPHAT(2) = -4.360 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4890	.5030	.7180	.8330	.8900	.9170	.9590
PHI															
.000	1.1090	.0675	-.4822	-.7691	-.4357	-.2083	-.0841	-.0522	-.0609	-.0715	-.0339	-.1965	-.1032	-.0079	-.0694
45.000		.0795	-.4649	-.7895	-.3474	-.1571							-.0469	.0872	-.0006
90.000		.1292	-.4151	-.8632	-.2033	-.1603	-.1427	-.1191	-.1008	-.1179	-.0392	-.1404	.0016	.1538	.0705
135.000		.2399	-.3252	-.9224	-.1787	-.1417							.0090	.1691	.0945
180.000	1.1090	.3771	-.2217	-.7462	-.1061	-.0315	-.1046	-.0813	-.0426	-.0360	.0047	-.1911	-.0712	.1176	.0541
225.000		.4253	-.1239	-.5810	-.1021	-.0102	-.0529						-.1993	-.1310	-.1095
270.000		.2832	.4792		-.7606	-.0779	-.0103	-.0547			.1613	-.3014	-.2585	-.2034	-.1632
315.000		.0979	-.5993	-1.0290	-.7823	-.3197	-.0609						-.2316	-.1217	-.1560

X/LS	.9580
PHI	
.000	-.1425
45.000	-.0960
90.000	-.0421
135.000	-.0232
180.000	-.0224
225.000	-.0987
270.000	-.2165
315.000	-.2224

ARC11-716 IA14 01+712+S12N25+AT11 SRM BOOSTER (R91S35)

ALPHAT(2) = -4.370 BETAT (4) = 4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0950	.0555	-.4880	-.8070	-.4372	-.1796	-.0736	-.0528	-.0481	-.0570	-.0157	-.1585	-.0179	.2211	.1424
45.000		.0537	-.4790	-.7873	-.3720	-.1212							.0085	.1478	.0188
90.000		.0726	-.4575	-.8629	-.2587	-.1541	-.1336	-.1083	-.0790	-.0837	-.0105	-.1277	.0019	.0983	.0188
135.000		.1631	-.3993	-.8904	-.2555	-.2045							-.0309	.0961	.0310
180.000	1.0950	.3542	-.2414	-.7958	-.1690	-.1463	-.1590	-.1196	-.0716	-.0721	-.0497	-.1938	-.1050	.0880	-.0200
225.000		.4607	-.1055	-.5106	-.1963	-.0365	-.0796						-.1559	-.1272	-.1172
270.000		.3087	.4922		-.7930	-.0360	-.0524	-.0724			.1310	-.3150	-.2683	-.2018	-.1649
315.000		.1082	-.5710	-1.0200	-.7924	-.2373	-.0556						-.2068	-.0373	-.0492

X/LS	.9580
PHI	
.000	.0310
45.000	-.0833
90.000	-.0878
135.000	-.0621
180.000	-.0783
225.000	-.1445
270.000	-.1863
315.000	-.0809

ALPHAT(2) = -4.380 BETAT (5) = 5.190

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0750	.0455	-.4735	-.8135	-.4301	-.1519	-.0603	-.0400	-.0316	-.0471	.0163	-.1255	.0682	.2960	.2375
45.000		.0325	-.4864	-.7490	-.4023	-.0972							.0606	.2603	.1619
90.000		.0257	-.4848	-.7968	-.3491	-.1477	-.1150	-.1081	-.0779	-.0829	-.0193	-.1034	-.0023	.1132	-.0026
135.000		.1062	-.4518	-.9359	-.3317	-.2622							-.0695	.0258	-.0435
180.000	1.0750	.3368	-.2601	-.7241	-.2365	-.2016	-.2082	-.1521	-.0848	-.0742	-.0950	-.2205	-.1513	-.0715	-.1125
225.000		.4942	-.0765	-.4197	-.1976	-.0582	-.1079						-.1810	-.1510	-.1339
270.000		.3337	.4843		-.8084	-.0083	-.0663	-.1063			.0881	-.3396	-.2420	-.1669	-.1645
315.000		.1146	-.5406	-.9978	-.7857	-.2056	-.0447						-.1757	.0137	.0330

X/LS	.9580
PHI	
.000	.1045
45.000	.0349
90.000	-.0863
135.000	-.1029
180.000	-.1547

(RB1S35)

ALPHAT(2) = -4.380 BETAT (5) = 8.190

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1603
270.000	-.2076
315.000	.0268

ALPHAT(3) = -.320 BETAT (1) = -8.200

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1480	.2009	-.4109	-.7595	-.2421	-.1877	-.0806	-.0562	-.0383	-.0234	.0515	-.2218	-.1607	.0039	-.1315
45.000		.2476	-.3516	-.7722	-.1498	-.1108							-.0219	.2192	.0815
90.000		.3167	-.2642	-.6873	-.0919	-.0333	-.0183	-.0118	.0041	.0060	.0578	-.0372	.0988	.3668	.2223
135.000		.3172	-.2560	-.6764	-.0534	.0044							.0745	.3230	.1972
180.000	1.1480	.2895	-.2843	-.6571	-.0519	.0304	.0048	.0036	.0458	.0919	.1420	-.1699	-.0525	.1129	.0108
225.000		.2964	-.2919	-.6754	-.2449	.0574	.0131						-.2192	-.1093	-.1527
270.000		.3118	.5561		-.6446	-.0455	-.0057	-.0262			.1753	-.3428	-.2566	-.2235	-.1837
315.000		.2327	-.4529	-.8420	-.4574	-.271	-.0178						-.2527	-.1731	-.1911

X/LS .9580

PHI	
.000	-.1979
45.000	-.0323
90.000	.0903
135.000	.0523
180.000	-.0856
225.000	-.1821
270.000	-.1620
315.000	-.2024

ALPHAT(3) = -.510 BETAT (2) = -4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.1500	.1928	-.4113	-.8007	-.2547	-.2076	-.0874	-.0499	-.0299	-.0294	.0346	-.2002	-.1498	.0126	-.0459
45.000		.2688	-.3803	-.8154	-.1719	-.1231							.0026	.2169	.1036
90.000		.3491	-.2815	-.7015	-.1122	-.0777	-.0434	-.0332	-.0142	-.0066	.0431	-.0215	.0778	.2892	.1786
135.000		.2998	-.2998	-.7491	-.0701	-.0341							.0875	.2811	.1333
180.000	1.1500	.3071	-.2	-.7137	-.03	-.0214	-.0130	-.0047	.0121	.0504	.0814	-.1648	-.0410	.0111	.0219
225.000		.2981	.2814	-.7433	-.3783	.027	-.0313						-.2003	-.1126	-.1097

ARC11-716 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1535)

ALPHAT(3) = -.510 BETAT (2) = -4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3296	.5543		-.7219	-.0660	-.0599	-.0658			.2013	-.3169	-.2535	-.2248	-.2110
315.000		.2365	-.4517	-.8905	-.4854	-.2604	-.0351						-.2425	-.1458	-.1850

X/LS	.9580
PHI	
.000	-.1265
45.000	-.0107
90.000	.0438
135.000	.0151
180.000	-.0760
225.000	-.1131
270.000	-.2035
315.000	-.2025

ALPHAT(3) = -.510 BETAT (3) = .020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1470	.1883	.6174	.8299	-.2752	-.1465	-.0587	-.0419	-.0241	-.0304	.0252	-.1723	-.0695	.0787	.0312
45.000		.1675	.4053	-.9317	-.2161	-.1000							.0317	.1868	.1056
90.000		.1849	-.3693	-.8267	.1661	-.0761	-.0592	-.0472	-.0241	-.0204	.0323	-.0758	.0539	.2028	.1124
135.000		.2217	-.3365	-.7901	-.1285	-.0748							.0128	.1460	.0765
180.000	1.1470	.2609	-.3023	-.7569	-.1267	-.0553	-.0874	-.0640	-.0173	.0070	.0501	-.1734	-.0530	.1006	.0126
225.000		.3293	-.2722	-.7189	-.3403	-.0007	-.0761						-.1705	-.1167	-.1011
270.000		.3529	.5590		-.7722	-.0611	-.0945	-.0864			.1972	-.3080	-.2725	-.2214	-.1857
315.000		.2529	-.4361	-.9236	-.5076	-.2458	-.0382						-.2199	-.1278	-.1619

X/LS	.9580
PHI	
.000	-.0481
45.000	-.0129
90.000	-.0068
135.000	-.0283
180.000	-.0777
225.000	-.0898
270.000	-.1968
315.000	-.1635

AP611-716 IA1- 01+T12+S12*25+AT11 SRM BOOSTER (RB1S35)

ALPHAT (3) = -.500 BETAT (4) = 4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1320	.1629	-.4135	-.8612	-.2965	-.1395	-.0687	-.0388	-.0328	-.0349	.0248	-.1670	-.0065	.1885	.1487
													.0577	.2045	.1077
45.000		.1216	-.4590	-.7987	-.2821	-.0922									
90.000		.1250	-.4164	-.8346	-.2279	-.0752	-.0705	-.0552	-.0307	-.0270	.0095	-.0875	.0358	.1709	.0560
													-.0199	.0786	.0100
135.000		.1642	-.3980	-.8266	-.1852	-.1100									
180.000	1.1320	.2541	-.3216	-.7966	-.1825	-.1004	-.1308	-.0990	-.0441	-.0249	.0001	-.1691	-.0713	.0497	-.0234
													-.1507	-.1065	-.0932
225.000		.3595	-.2432	-.7107	-.3461	-.0250	-.0993								
270.000		.3774	.5579		-.8159	-.0473	-.1221	-.1024			.1868	-.3015	-.2808	-.2229	-.1525
													-.2098	-.0943	-.0674
315.000		.2647	-.4265	-.9327	-.5204	-.2179	-.0323								

X/LS	.9580
PHI	
.000	.0415
45.000	-.0120
90.000	-.0529
135.000	-.0860
180.000	-.0931
225.000	-.1228
270.000	-.1594
315.000	-.0550

ALPHAT (3) = -.500 BETAT (5) = 6.180

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1130	.1447	-.4365	-.8827	-.2923	-.1320	-.0689	-.0404	-.0367	-.0386	.0322	-.1311	.0726	.3039	.2467
													.0784	.2471	.1342
45.000		.0854	-.4565	-.7525	-.3313	-.0940									
90.000		.0864	-.4486	-.7539	-.2889	-.0728	-.0657	-.0504	-.0393	-.0386	-.0058	-.0731	.0323	.1691	.0592
													-.0157	.0704	-.0092
135.000		.1165	-.4296	-.8532	-.2318	-.1408									
180.000	1.1130	.2380	-.3263	-.8523	-.2394	-.1627	-.1685	-.1191	-.0539	-.0302	-.0352	-.1972	-.1230	-.0471	-.0826
													-.1725	-.1331	-.1173
225.000		.3890	-.2021	-.7870	-.3348	-.0834	-.1319								
270.000		.4009	.5635		-.8343	-.0539	-.1535	-.1312			.1688	-.2923	-.2448	-.1750	-.1475
													-.1704	.0228	.1003
315.000		.2866	-.3374	-.8991	-.5050	-.1891	-.0320								

X/LS	.9580
PHI	
.000	.1158
45.000	-.0007
90.000	-.0479
135.000	-.0841
180.000	-.1351

ARC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1335)

(PHAT(3) = -.500 BETAT (5) = 8.180

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1419
270.000	-.1902
315.000	.0770

ALPHAT(4) = 3.960 BETAT (1) = -8.200

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1270	.3368	-.3063	-.7908	-.1049	-.0448	-.0138	-.0001	.0060	.0131	.0897	-.1652	-.0908	.1045	-.0172
45.000		.3456	-.2569	-.7393	-.0783	-.0238							.0745	.3489	.1959
90.000		.2963	-.2457	-.7961	-.0802	-.0239	-.0027	.0047	.0233	.0568	.1203	-.0087	.1216	.3984	.2263
135.000		.2906	-.3364	-.7561	-.1124	-.0391							.0360	.2651	.1287
180.000	1.1270	.1614	-.3728	-.6287	-.1561	-.0810	-.0159	-.0114	.0365	.1107	.1572	-.1684	-.0721	.0638	-.0282
225.000		.1774	-.4404	-.7904	-.4934	-.1313	.0218						-.1906	-.0849	-.1391
270.000		.2852	.5341		-.6455	-.2276	-.0522	-.0398			.1414	-.3170	-.2612	-.2121	-.1582
315.000		.3268	-.3192	-.7215	-.2618	-.0930	-.0105						-.2318	-.1307	-.1680

X/LS .9580

PHI	
.000	-.1144
45.000	.0541
90.000	.0830
135.000	-.0051
180.000	-.1184
225.000	-.1842
270.000	-.1465
315.000	-.1879

ALPHAT(4) = 3.960 BETAT (2) = -4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1290	.3266	-.3184	-.8270	-.1274	-.0529	-.0380	-.0214	-.0046	.0020	.0716	-.1635	-.0488	.1185	.0482
45.000		.2885	-.2999	-.8162	-.1120	-.0525							.0718	.2979	.1921
90.000		.2252	-.3275	-.7843	-.1183	-.0394	-.0419	-.0358	-.0088	.0251	.0965	-.0464	.0844	.2998	.1740
135.000		.1648	-.3574	-.7615	-.1539	-.0679							.0227	.1712	.0820
180.000	1.1290	.1501	-.3811	-.7155	-.2011	-.0683	-.0432	-.0303	.0198	.0841	.1262	-.1527	-.0479	.0897	-.0125
225.000		.1707	-.4440	-.8810	-.5321	-.1515	-.0230						-.1800	-.0887	-.1006

(P211+P10 (X1A 01+X12+012X25+A711 SRM BOOSTER (RB1535)

ALPHAT(4) = 3.980 BETAT (2) = -1.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.2961	.5307		-.7292	-.6373	-.0976	-.0477			.1969	-.2994	-.2290	-.1890	-.1687
315.000		.3496	-.2997	-.7530	-.2350	-.1762	-.0451						-.2293	-.1366	-.1629

X/LS	.9590
PHI	
.000	-.0280
45.000	.0642
90.000	.0435
135.000	-.0379
180.000	-.1011
225.000	-.1265
270.000	-.1369
315.000	-.1759

ALPHAT(4) = 3.980 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1260	.3191	-.3253	-.6405	-.1600	-.0616	-.0548	-.0404	-.0259	-.0226	.0463	-.1569	-.0215	.1643	.1289
45.000		.2220	-.3671	-.8320	-.1565	-.0811							.0578	.2530	.1651
90.000		.1626	-.3740	-.6182	-.1779	-.0724	-.0617	-.0580	-.0244	.0025	.0709	-.0592	.0498	.1866	.0886
135.000		.1364	-.3777	-.7741	-.2011	-.0729							.0182	.1330	.0397
180.000	1.1260	.1364	-.3795	-.7730	-.2289	-.0843	-.0693	-.0507	.0096	.0545	.0914	-.1496	-.0475	.0828	-.0084
225.000		.1775	-.4300	-.8950	-.5032	-.1880	-.0598						-.1567	-.0958	-.0752
270.000		.3192	.5320		-.7972	-.2135	-.1163	-.0627			.1909	-.3002	-.2377	-.1993	-.1538
315.000		.3751	-.2687	-.7489	-.3119	-.0546	-.0606						-.2148	-.1130	-.1290

X/LS	.9590
PHI	
.000	.0268
45.000	.0358
90.000	-.0213
135.000	-.0634
180.000	-.0963
225.000	-.1
270.000	-.1454
315.000	-.1

C11-716 IA14 C1+T1C+S12N25+A711 SRM BOOSTER (RB1355)

ALPHAT(4) = 5.980 BETAT (4) = [illegible]

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LB	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1057	.2954	-.5468	-.8224	-.2022	-.1037	-.0953	-.0772	-.0613	-.0373	.0110	-.1293	.0305	.2566	.8135
45.000		.1442	-.4368	-.8790	-.2014	-.1287							.0442	.2080	.1006
90.000		.0961	-.4331	-.7976	-.0219	.0816	-.0754	-.0616	-.0452	-.0234	.0321	-.0627	.0308	.1339	.0317
135.000		.1003	-.4180	-.7623	-.0555	-.0731							.0068	.1507	.0422
180.000	1.1075	.1190	-.3952	-.8160	-.0317	-.1195	-.0938	-.0624	-.0161	.0252	.0479	-.1465	-.0457	.0948	.0012
225.000		.1013	-.4211	-.8471	-.0571	-.1555	-.0910						-.1374	-.0790	-.0772
270.000		.1564	-.4369		-.8106	-.1442	-.1212	-.0874			.1876	-.2923	-.2229	-.1613	-.1265
315.000		.4129	.2891	-.6611	-.3275	-.0371	-.0614						-.1949	-.0211	.0024

X/LB .9580

PHI	
.000	.9810
45.000	[illegible]
90.000	[illegible]
135.000	[illegible]
180.000	[illegible]
225.000	[illegible]
270.000	[illegible]
315.000	[illegible]

ALPHA = 5.98 [illegible]

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LB	.0000	.034[illegible]	[illegible]	[illegible]	[illegible]	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0910	.2781	-.5857	-.8127	-.2003	.1184	-.1123	-.0905	-.0762	-.0[illegible]	-.0040	-.1035	.0[illegible]18	.3513	.8490
45.000		.1[illegible]35	-.4740	-.8365	-.2060	.1442							.0516	.2208	.0800
90.000		.0667	-.4635	-.7886	-.0601	-.0791	-.0768	-.0691	-.0532	-.0377	.0227	-.0549	.0373	.1388	.0224
135.000		.0956	-.4354	-.7725	-.0513	-.0868							-.0037	.1448	.0555
180.000	1.0910	.1179	-.4215	-.8379	-.2586	-.1368	-.1005	-.0725	-.0200	.0060	.0246	-.1470	-.0812	.0718	-.0277
225.000		.2133	-.3975	-.8529	-.1361	-.1695	-.0966						-.1409	-.0868	-.0785
270.000		.3843	.5415		-.1268	-.0932	-.1106	-.0709			.2052	-.2698	-.2046	-.1536	-.1193
315.000		.4356	-.2543	-.5950	-.3148	-.0099	-.0464						-.1473	.0642	.1027

X/LB .9580

PHI	
.000	.1349
45.000	-.0454
90.000	-.0942
135.000	-.0573
180.000	-.1061

(RB1535)

ALPHAT(4) = 3.980 BETAT(5) = 9.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

K/LS .9580

PHI	
225.000	-.1187
270.000	-.1533
315.000	.0881

ALPHAT(5) = 7.990 BETAT(1) = 8.200

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

K/LS	.0000	.0340	.0980	.1150	.144	.2115	.2870	.3730	.4940	.6030	.7160	.8350	.9900	.9170	.9390
PHI															
.000	1.0515	.4925	-.2213	-.5821	-.0476	.142	.0270	.0514	.0313	.0496	.1037	-.1242	-.0315	.1877	.0752
45.000		.3930	-.2123	-.6022	-.0645	-.1223							.1113	.4150	.2545
90.000		.2567	-.3189	-.6287	-.1635	-.2156	-.0703	.0700	-.0307	.0277	.1219	-.0401	.0740	.5464	.1687
135.000		.0562	-.4198	-.7265	-.1708	-.1667							-.0218	.1685	.0149
180.000	1.0515	.0423	-.4014	-.6911	-.1771	-.1514	-.0727	-.0602	.0007	.0774	.1074	-.1799	-.0688	.0800	-.0587
225.000		.0246	-.5296	-.6911	-.1564	-.1544	.0013						-.1725	-.0300	-.0942
270.000		.1614	.4355		-.1215	-.1014	-.0021	-.0223			.1439	-.3095	-.2414	-.1898	-.1356
315.000		.3821	-.1740	-.4377	-.1404	.0411	.0180						-.2209	-.1027	-.1507

K/LS .9580

PHI	
.000	-.0554
45.000	.1031
90.000	.0567
135.000	-.0811
180.000	-.1454
225.000	-.1407
270.000	-.1588
315.000	-.1701

ALPHAT(5) = 6.790 BETAT(2) = 4.700

SECTION (1) SRM BOOSTER DEPENDENT VARIABLE CP

K/LS	.0000	.0340	.0980	.1150	.144	.2115	.2870	.3730	.4940	.6030	.7160	.8350	.9900	.9170	.9390
PHI															
.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0043	.0169	.0758	[illegible]	[illegible]	[illegible]	[illegible]
45.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
90.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
135.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
180.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
225.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
270.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
315.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

APC11-716 IA14 C1+T12+S12*C5+AT11 SRM BOOSTER (R91535)

A PHAT(5) = 8.050 BETAT (2) = -4.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/S	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.1471	.4235		-.4751	-.0516	-.0627	-.0462			.1527	-.2805	-.2243	-.1661	-.1231
315.000		.4107	-.1535	-.5229	-.1663	.0279	-.0053						-.2040	-.0766	-.1234

X/S .9580

PHI	
.000	.0256
45.000	.0352
90.000	-.1221
135.000	-.1177
180.000	-.0991
225.000	-.0810
270.000	-.1214
315.000	.0425

[illegible] DEPENDENT VARIABLE CP

[illegible]							.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	-.1464	.0322	[illegible]	[illegible]	[illegible]	.0288	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]		-.1014							.0673	.0366	-.1674
[illegible]		[illegible]	[illegible]	[illegible]		-.1684	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]		-.1482							[illegible]	[illegible]	-.0174
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-.1456	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						-.1443	-.0478	-.0864
[illegible]		[illegible]	.4158	[illegible]	[illegible]	.0464	-.0432				[illegible]	-.2799	-.0202	-.1700	-.1264
[illegible]		.4549	[illegible]	-.4743	[illegible]	[illegible]	[illegible]						-.1875	-.0608	-.0699

X/S .9580

PHI	
000	.0913
45.000	.0318
90.000	-.0660
135.000	-.1212
180.000	-.0991
225.000	-.0810
270.000	-.1214
315.000	.0425

AP611-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1S35)

ALPHAT(5) = 8.030 BETAT (4) = 4.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0250	.4187	-.2731	-.6135	-.1663	-.1002	-.0959	-.0932	-.0837	-.0756	-.0057	-.1174	.0535	.3086	.2487
45.000		.1628	-.4336	-.8236	-.2525	-.2127							.0313	.2452	.1020
90.000		.0133	-.4740	-.8641	-.2579	-.1791	-.1618	-.1538	-.0935	-.0325	.0446	-.0769	.0036	.1050	-.0094
135.000		.0157	-.4573	-.7434	-.3005	-.1069							-.0127	.1158	.0006
180.000	1.0250	.0217	-.4559	-.7373	-.3040	-.1558	-.0845	-.0662	-.0172	.0365	.0488	-.1390	-.0419	.1274	.0373
225.000		-.0041	-.5038	-.8805	-.7464	-.2245	-.0595						-.1311	-.0556	-.0517
270.000		.2079	.4208		-.6923	-.0217	-.0442	-.0443			.1704	-.2705	-.2134	-.1477	-.1001
315.000		.4833	-.1054	-.4124	-.1912	.0095	.0021						-.1763	-.0122	.0079

X/LS	.9580
PHI	
.000	.1158
45.000	-.0324
90.000	-.1243
135.000	-.1219
180.000	-.0773
225.000	-.1025
270.000	-.1177
315.000	.0031

ALPHAT(5) = 8.020 BETAT (5) = 8.270

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0050	.3923	-.2926	-.5767	-.2194	-.1440	-.1486	-.1221	-.1111	-.0983	-.0304	-.1006	.0941	.3747	.2994
45.000		.0712	-.4978	-.8974	-.3393	-.2715							.0147	.2165	.0339
90.000		-.0319	-.5044	-.7631	-.3094	-.1607	-.1505	-.1277	-.0971	-.0617	.0155	-.0795	.0124	.0982	-.0267
135.000		.0086	-.4635	-.7345	-.3018	-.0918							-.0091	.1630	.0297
180.000	1.0050	.0042	-.4442	-.7716	-.3195	-.1407	-.0936	-.0675	-.0236	.0221	.0367	-.1527	-.0499	.1068	.0019
225.000		.0141	-.5304	-.8796	-.7697	-.1998	-.0867						-.1223	-.0650	-.0591
270.000		.2560	.4295		-.6976	-.0222	-.0459	-.0427			.1998	-.2615	-.1800	-.1383	-.0918
315.000		.5364	-.0639	-.3123	-.1726	.0189	.0129						-.1352	.0643	.1568

X/LS	.9580
PHI	
.000	.1442
45.000	-.0897
90.000	-.125
135.000	-.0759
180.000	-.0918

ARC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1S35)

ALPHAT(5) = 8.020 BETAT (5) = 8.270

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	- 1024
270.000	-.1525
315.000	.1605

(RB1S36) (14 FEB 74)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5800 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .850 ELEVON = .000
RUDDER = .000 SPDBRK = .000

ALPHAT(1) = -8.570 BETAT (1) = -6.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0910	.0227	-.4090	-.7632	-.5273	-.4931	-.2103	-.1477	-.1399	-.1392	-.0311	-.3190	-.2744	-.1758	-.2728
45.000		.0227	-.3867	-.9690	-.4192	-.4477							-.2124	-.0883	-.2133
90.000		.1952	-.2289	-1.1710	-.2521	-.2990	-.3338	-.2899	-.2536	-.2778	-.1497	-.2230	-.0663	.1702	.1132
135.000		.4432	-.0373	-.8218	-.0736	-.0795							.0535	.2920	.2633
180.000	1.0910	.5535	.0162	-.5670	.0510	.0424	-.0190	.0092	.0605	.0629	.1554	-.2238	-.0408	.2066	.0758
225.000		.4697	.0767	-.4164	-.0393	.0290	.0021						-.2548	-.1895	-.1879
270.000		.1578	.4604		-.6701	-.8564	-.2059	-.0660			.0037	-.3899	-.3137	-.2335	-.2058
315.000		-.0056	-.6067	-.7648	-.6644	-.5828	-.0716						-.3442	-.2933	-.2350

X/LS	.9580
PHI	
.000	-.3031
45.000	-.2731
90.000	-.0036
135.000	.1234
180.000	-.0538
225.000	-.2102
270.000	-.1566
315.000	-.2317

ALPHAT(1) = -8.540 BETAT (2) = -4.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0850	.0184	-.3907	-.7419	-.5538	-.4322	-.1772	-.1330	-.1366	-.1374	-.0371	-.2939	-.2473	-.1558	-.2089
45.000		.0069	-.3744	-.9279	-.4839	-.3947							-.1560	-.0590	-.1677
90.000		.1231	-.2867	-1.2340	-.2769	-.3357	-.3567	-.2933	-.2554	-.2835	-.1315	-.2390	-.0773	.0949	.0541
135.000		.3671	-.0991	-1.0820	-.1649	-.1879							.0050	.0408	.1720
180.000	1.0850	.5485	.0076	-.6430	-.0215	-.0377	-.0388	-.0410	.0169	.0092	.0957	-.2594	-.1818	.0245	.0939
225.000		.3909	.0977	-.3492	-.0960	-.1054	-.0760						-.2311	-.2058	-.1867
270.000		.1625	.4007		-.6115	-.8377	-.2314	-.0673			.1771	-.5762	-.2932	-.2148	-.1574
315.000		-.0337	-.6028	-.7629	-.6600	-.5184	-.0809						-.3269	-.2811	-.2485

X/LS	.9580

AP011-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1S36)

ALPHAT(1) = -8.540 BETAT (2) = -4.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
.000	-.2452
45.000	-.2255
90.000	-.0445
135.000	.0494
180.000	.0003
225.000	-.1489
270.000	-.0949
315.000	-.2666

ALPHAT(1) = -8.480 BETAT (3) = -.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0040	.0190	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0780	.0131	.0034	-.7655	- 5336	-.4119	-.1382	-.0913	-.1190	-.1752	-.1265	-.2818	-.1641	-.0407	-.1345
45.000		.6041	.3674	-.7960	-.5185	-.3350							-.1177	-.0418	-.1079
90.000		.7558	.5301	-1.2730	-.3114	-.3580	-.3466	-.2780	-.2431	-.2669	-.0932	-.2476	-.0910	.0419	-.0075
135.000		.2871	-.1830	-1.1477	-.2569	-.2994							-.0642	.2352	.1261
180.000	1.0780	.5303	-.0064	-.7000	-.1046	-.1291	-.1679	-.0901	-.0263	-.0477	.0139	-.2795	-.1717	.0972	.0541
225.000		.5418	.1218	-.2943	-.0881	-.0807	-.0969						-.2086	-.1643	-.1393
270.000		.1769	.4438		-.5979	-.8013	-.2321	-.0472			.1911	-.3604	-.2965	-.2385	-.2137
315.000		-.0394	-.5969	-.6456	-.5941	-.6076	-.1093						-.3135	-.2362	-.2147

X/LS .9580

PHI	
.000	-.2064
45.000	-.1880
90.000	-.0981
135.000	.0180
180.000	-.0228
225.000	-.1201
270.000	-.1787
315.000	-.1906

AP611-716 IA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1S36)

ALPHAT(1) = -8.490 BETAT (4) = 4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0620	.0072	-.3819	-.8252	-.5060	-.4470	-.0965	-.0380	-.0393	-.0675	-.0418	-.2274	-.0956	.1779	.1240
45.000		.0021	-.3660	-.7640	-.5239	-.2746							-.0748	.0261	-.0530
90.000		.0008	-.3754	-1.2000	-.3054	-.3578	-.3060	-.2191	-.1779	-.1857	-.0240	-.2411	-.0793	-.0065	-.0499
135.000		.1978	-.2697	-1.2060	.3765	-.3889							-.0948	.1353	.0220
180.000	1.0620	.5215	-.0291	-.7444	-.1988	-.2294	-.2330	-.1307	-.0682	-.0736	-.0840	-.2697	-.1799	-.0367	-.0820
225.000		.5864	.1521	-.1995	-.0991	-.1184	-.1171						-.1915	-.1567	-.1490
270.000		.2052	.4383		-.5699	-.7588	-.2152	-.0298			.1448	-.3347	-.2834	-.2535	-.2234
315.000		-.0421	-.5803	-.5894	-.5784	-.5983	-.1073						-.2787	-.1562	-.1468

X/LS	.9580
PHI	
.000	.0489
45.000	-.1393
90.000	-.1339
135.000	-.0611
180.000	-.1328
225.000	-.1535
270.000	-.2278
315.000	-.1282

ALPHAT(1) = -8.520 BETAT (5) = 8.180

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0340	-.0115	-.3684	-.8861	-.4382	-.4809	-.0601	-.0131	-.0364	-.0621	-.0225	-.1885	.0050	.2861	.2528
45.000		-.0050	-.3677	-.7610	-.5703	-.2072							-.0560	.1426	.0275
90.000		-.0498	-.4083	-.8535	-.5150	-.3428	-.2419	-.1569	-.1179	-.1202	-.0511	-.1988	-.0804	-.0259	-.0613
135.000		.1122	-.3371	-1.2390	-.4559	-.5052							-.1249	-.0719	-.1055
180.000	1.0340	.5066	-.0475	-.5976	-.2695	-.3109	-.2874	-.1777	-.0755	-.0814	-.1478	-.2726	-.2020	-.1300	-.1631
225.000		.6318	.1846	-.1079	-.1006	-.1409	-.1357						-.2265	-.1925	-.1866
270.000		.2286	.4321		-.5532	-.7457	-.1766	-.0287			.0688	-.3393	-.3081	-.2408	-.2127
315.000		-.0519	-.4873	-.5460	-.5516	-.5749	-.1123						-.2349	-.0745	-.0551

X/LS	.9580
PHI	
.000	.1388
45.000	-.0848
90.000	-.1181
135.000	-.1532
180.000	-.1906

AEC11-716 TA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1S36)

ALPHAT(1) = -8.520 BETAT (5) = 8.180

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9380

PHI	
225.000	-.1949
270.000	-.2500
315.000	-.0572

ALPHAT(2) = -4.300 BETAT (1) = -3.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1690	.1479	-.3232	-.7432	-.4177	-.3119	-.1056	-.0645	-.0503	-.0352	.0587	-.2311	-.2077	-.1059	-.2166
45.000		.1634	-.2667	-1.1000	-.2735	-.2428							-.1271	.0616	-.0449
90.000		.3101	-.1399	-1.1280	-.0939	-.1212	-.1231	-.0979	-.0711	-.0778	.0033	-.1281	.0317	.2766	.1887
135.000		.4077	-.0482	-1.0470	-.0227	-.0154							.0719	.3170	.2495
180.000	1.1690	.4287	-.0902	-.7317	.0018	.0306	-.0139	.0024	.0578	.1038	.2029	-.1995	-.0262	.1379	.0332
225.000		.4113	-.1712	-.7147	-.1631	-.0002	-.0005						-.2557	-.1207	-.1926
270.000		.3093	.5044		-.5589	-.6857	-.1373	-.0393			.1201	-.3548	-.2791	-.2205	-.1890
315.000		.1692	.3073	-.9678	-.0560	-.5279	-.0216						-.3125	-.2287	-.2086

X/LS .9390

PHI	
.000	-.2723
45.000	-.1369
90.000	.0624
135.000	.1119
180.000	-.0796
225.000	-.2107
270.000	-.1393
315.000	-.2027

ALPHAT(2) = -4.290 BETAT (2) = -4.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1690	.1424	-.3203	-.8427	-.4285	-.2892	-.0894	-.0540	-.0430	-.0383	.0384	-.2409	-.1737	-.0728	-.1542
45.000		.1613	-.2735	-1.0590	-.3605	-.2194							-.0850	.0630	-.0174
90.000		.2493	-.1930	-1.1900	-.1057	-.1540	-.1513	-.1112	-.0792	-.0862	.0029	-.1678	.0062	.1980	.1397
135.000		.3569	-.1027	-1.0920	-.0635	-.0863							.0325	.1951	.1595
180.000	1.1690	.4290	-.0652	-.9468	-.0315	-.0425	-.0733	-.0378	.0271	.0573	.1558	-.2329	-.0691	.2599	.0951
225.000		.4380	-.0111	-.8827	-.1907	-.0628	-.0494						-.2173	-.1774	-.1545

(PP1336)

ALPHAT(2) = -4.290 BETAT (2) = -.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3229	.5887		-.5422	-.6112	-.1248	-.0368			.2025	-.3378	-.2695	-.2013	-.1729
315.000		.1681	-.3951	-.8670	-.5378	-.5512	-.0440						-.2832	-.2337	-.1979

X/LS	.9560
PHI	
.000	-.2059
45.000	-.0983
90.000	.0279
135.000	.0381
180.000	-.0129
225.000	-.1447
270.000	-.1179
315.000	-.1932

ALPHAT(2) = -4.270 BETAT (3) = .030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1610	.1335	-.3047	-.9548	-.4677	-.3080	-.0719	-.0363	-.0299	-.0412	.0114	-.2149	-.1285	-.0473	-.0913
45.000		.1361	-.2791	-.9269	-.4198	-.2027							-.0808	.0426	-.0036
90.000		.1839	-.2383	-1.2360	-.1766	-.1915	-.1605	-.1032	-.0807	-.0923	.0067	-.1964	-.0204	.0959	.0689
135.000		.2925	-.1574	-1.1840	-.1279	-.1066							-.0163	.1414	.0894
180.000	1.1610	.4219	-.0682	-1.0710	-.1033	-.1090	-.1378	-.0707	-.0109	-.0006	.0718	-.2549	-.1204	.1400	.0646
225.000		.4742	.0208	-.9134	-.2030	-.1126	-.0949						-.1953	-.1562	-.1241
270.000		.3464	.5945		-.5323	-.5151	-.1371	-.0152			.2013	-.3337	-.2769	-.2298	-.2145
315.000		.1695	-.3919	-.8726	-.5289	-.5648	-.0627						-.2818	-.1923	-.2008

X/LS	.9560
PHI	
.000	-.1498
45.000	-.0872
90.000	-.0217
135.000	-.0135
180.000	-.0102
225.000	-.1096
270.000	-.2142
315.000	-.2060

APC11-715 A14 C1+T12+S12^25+AT11 SRM BOOSTER (RB1536)

ALPHAT(2) = -4.280 BETAT (4) = 4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1470	.1189	-.3229	-1.2580	-.4251	-.2759	-.0615	-.0351	-.0278	-.0343	.0237	-.2008	-.0617	.1524	.1181
													-.0149	.1323	.0180
45.000		.1084	-.3060	-1.0420	-.4109	-.1447							-.0358	.0450	-.0026
90.000		.1280	-.2865	-1.1940	-.3296	-.1696	-.1471	-.0937	-.0591	-.0650	.0281	-.1856	-.0557	.0552	.0093
135.000		.2250	-.2290	-1.2410	-.0033	-.2254							-.1478	.0011	-.0591
180.000	1.1470	.4029	-.0906	-1.0870	-.1093	-.1686	-.1905	-.1145	-.0511	-.0429	-.0227	-.2381	-.1876	-.1536	-.1373
225.000		.5092	.0416	-.8373	-.2350	-.1160	-.0896						-.2838	-.2336	-.2070
270.000		.3671	.5963		-.6741	-.3349	-.0514	-.0712			.1630	-.3175	-.2420	-.1235	-.1181
315.000		.1739	-.3953	-.9293	-.6472	-.5526	-.0269								

X/LS	.9580
PHI	
.000	.0252
45.000	-.0818
90.000	-.0932
135.000	-.0730
180.000	-.1101
225.000	-.1497
270.000	-.2122
315.000	-.1192

ALPHAT(2) = -4.290 BETAT (5) = 8.150

SECTION 1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1270	.1028	-.3212	-1.1970	-.4519	-.2345	-.0492	-.0215	-.0155	-.0287	.0427	-.1790	.0166	.2292	.2175
													.0391	.2369	.1538
45.000		.0912	-.3222	-.8419	-.5047	-.1106							-.0288	.0623	-.0163
90.000		.0877	-.3189	-1.0010	-.4921	-.1639	-.1317	-.1026	-.0673	-.0606	.0100	-.1518	-.0964	-.0319	-.0721
135.000		.1663	-.2857	-1.2620	-.2937	-.2963							-.1842	-.1183	-.1482
180.000	1.1270	.3945	-.1050	-1.0720	- 2720	-.2397	-.2423	-.1498	-.0632	-.0483	-.0794	-.2571	-.2001	-.1623	-.1509
225.000		.5450	.0719	-.5860	-.2389	-.1031	-.1175						-.2854	-.2114	-.1879
270.000		.3889	.5870		-.6498	-.5013	-.0322	-.1235			.1140	-.3208	-.2099	-.0747	-.0243
315.000		.1798	-.3610	-.8934	-.6643	-.5088	-.0106								

X/LS	.9580
PHI	
.000	.85
45.000	.09
90.000	- 0876
135.000	-.1256
180.000	-.1781

AFC11-715 1A14 01+T12+512M25+AT11 SRM BOOSTER (RB1S36)

ALPHAT(2) = -4.290 BETAT (5) = 8.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1742
270.000	-.2189
315.000	-.0238

ALPHAT(3) = -.530 BETAT (1) = -8.180

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1930	.2495	-.2548	-.7810	-.3452	-.2382	-.0697	-.0465	-.0262	-.0033	.0849	-.2301	-.1732	-.0440	-.1488
45.000		.2922	-.1919	-1.0490	-.1595	-.1204							-.0321	.1911	.0876
90.000		.3519	-.1117	-1.1400	-.0227	-.0359	-.0267	-.0108	.0174	.0305	.0996	-.0846	.0876	.3258	.2376
135.000		.3555	-.1117	-1.1130	-.0211	.0023							.0722	.2771	.2102
180.000	1.1930	.3299	-.1441	-.6501	-.1201	.0165	.0080	-.0018	.0588	.1263	.2129	-.1861	-.0437	.0851	.0054
225.000		.3387	-.1371	-.7749	-.3247	-.0192	.0303						-.2343	-.1298	-.1699
270.000		.3591	.6528		-.5549	-.2828	.0252	-.0228			.1672	-.3563	-.2657	-.2216	-.2013
315.000		.2824	-.2697	-.9453	-.4725	-.4444	-.0262						-.2816	-.2043	-.2004

X/LS .9580

PHI	
.000	-.2093
45.000	-.0258
90.000	.0995
135.000	.0770
180.000	-.0980
225.000	-.1907
270.000	-.1732
315.000	-.2052

ALPHAT(3) = -.530 BETAT (2) = -4.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1920	.2395	-.2556	-1.1360	-.3043	-.2477	-.0748	-.0464	-.0244	-.0087	.0696	-.2156	-.1399	-.0192	-.0786
45.000		.2518	-.2146	-1.2000	-.1701	-.1225							-.0114	.1592	.0925
90.000		.2987	-.1635	-1.1940	-.0432	-.0656	-.0583	-.0319	-.0058	.0104	.0737	-.1122	.0607	.2327	.1712
135.000		.3111	-.1449	-1.1870	-.0018	-.0377							.0404	.1710	.1334
180.000	1.1920	.3247	-.1443	-1.0770	-.0439	-.0109	-.0484	-.0337	-.0217	-.0129	.1491	-.2022	-.0517	.1225	.0268
225.000		.3399	-.1262	-1.0640	-.3129	-.0271	-.0169						-.2144	-.1598	-.1465

AEC11-716 TA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1336)

ALPHAT(3) = -.530 BETAT (2) = -4.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3794	.6505		-.6118	-.2341	.0017	-.0639			.2477	-.3288	-.2632	-.2319	-.1959
315.000		.2907	-.2661	-1.0410	-.5133	-.4894	-.0045						-.2531	-.1670	-.1874

X/LS	.9590
PHI	
.000	-.1350
45.000	-.0050
90.000	.0517
135.000	.0206
180.000	-.0505
225.000	-.1347
270.000	-.1952
315.000	-.2154

ALPHAT(3) = -.540 BETAT (3) = .020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1910	.2358	-.2588	-1.2360	.2864	-.2200	-.0601	-.0402	-.0224	-.0087	.0620	-.1903	-.0887	.0301	.0207
45.000		.2173	-.2437	-1.2310	.2499	-.1059							.0125	.1427	.1006
90.000		.2333	-.2122	-1.2240	.1697	-.0712	-.0627	-.0492	-.0157	.0009	.0672	-.1171	.0306	.1656	.1147
135.000		.2685	-.1825	-1.2110	.0800	-.0720							-.0123	.0960	.0544
180.000	1.1910	.3201	-.1495	-1.1830	-.0944	-.0496	-.0999	-.0647	-.0053	.0340	.0875	-.2171	-.0948	.0911	.0189
225.000		.3801	-.1110	-1.0590	-.3774	.0029	-.0612						-.2000	-.1473	-.1182
270.000		.4012	.6532		-.6931	-.1949	-.0462	-.1107			.2438	-.3102	-.2666	-.2274	-.2114
315.000		.3042	-.2504	-1.0890	-.5605	-.4545	.0063						-.2377	-.1442	-.1815

X/LS	.9580
PHI	
.000	-.0539
45.000	-.0108
90.000	.0039
135.000	-.0417
180.000	-.0822
225.000	-.1032
270.000	-.1998
315.000	-.1842

AP311-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1836)

ALPHAT(3) = -.550 BETAT (4) = 8.180

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1590	.2044	-.2726	-1.2280	-.3139	-.1605	-.0612	-.0337	-.0175	-.0199	.0727	-.1688	.0251	.2189	.2135
45.000		.1420	-.2980	-.7572	-.5099	-.0713							.0509	.1933	.1225
90.000		.1437	-.2845	-.8721	-.4770	-.0499	-.0719	-.0492	-.0229	-.0198	.0282	-.1321	.0084	.1435	.0655
135.000		.1767	-.2614	-1.2610	-.2244	-.1546							-.0671	.0197	-.0294
180.000	1.1590	.2941	-.1628	-1.1750	-.2213	-.1529	-.2002	-.1231	-.0402	-.0069	-.0151	-.2331	-.1675	-.0777	-.1076
225.000		.4400	-.0393	-1.0280	-.4249	-.0131	-.1379						-.1955	-.1334	-.1270
270.000		.4605	.6912		-.7865	-.1045	-.1536	-.1947			.1765	-.2822	-.2336	-.1804	-.1532
315.000		.3443	-.2103	-1.0070	-.5342	-.2983	-.0113						-.1870	-.0320	.0343

X/LS	.9580
PHI	
.000	.1144
45.000	.0079
90.000	-.0330
135.000	-.1025
180.000	-.1519
225.000	-.1555
270.000	-.1926
315.000	.0379

ALPHAT(4) = 3.740 BETAT (1) = -4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.14	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1730	.3660	-.1739	-1.1780	-.0640	-.1033	-.0272	-.0109	.0119	.0291	.1138	-.1895	-.0785	.0604	.0380
45.000		.3294	-.1548	-1.1690	-.0285	-.0604							.0563	.2707	.1991
90.000		.2726	-.1677	-1.1730	-.0919	-.0533	-.0336	-.0284	.0065	.0531	.1341	-.0931	.0743	.2589	.1789
135.000		.2196	-.1979	-.7207	-.3077	-.0023							.0204	.1338	.0762
180.000	1.1730	.2014	-.2221	-.9467	-.3296	-.1163	-.0310	-.0351	.0375	.1230	.1706	-.1842	-.0604	.0498	-.0218
225.000		.2260	-.2712	-.9969	-.1601	-.3419	.0160						-.1974	-.1266	-.1325
270.000		.3479	.6319		.0402	-.4740	-.0925	-.0752			.2386	-.3162	-.2476	-.2057	-.1781
315.000		.3913	-.1334	-1.0800	-.3109	-.2502	.0001						-.2449	-.1586	-.1810

X/LS	.9580
PHI	
.000	-.0417
45.000	.0774
90.000	.0611
135.000	-.0350
180.000	-.0985

ARC11-716 IA14 O1+T12+S12M25+A711 SRM BOOSTER (RB1336)

ALPHAT(4) = 3.740 BETAT (1) = -4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1557
270.000	-.1636
315.000	-.1918

ALPHAT(4) = 3.740 BETAT (2) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0010	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1730	.3604	-.1747	-1.1810	-.0837	-.0987	-.0467	-.0289	-.0130	.0029	.0929	-.1846	-.0513	.1326	.1023
45.000		.2707	-.2024	-1.1975	-.0918	-.0736							.0484	.2165	.1588
90.000		.2113	-.2317	-1.1730	-.0433	-.0561	-.0616	-.0539	-.0163	.0275	.1055	-.1008	.0423	.1597	.0918
135.000		.1437	-.2744	-1.0526	-.0488	-.0597							-.0019	.1032	.0481
180.000	1.1730	.0776	-.3131	-1.0231	-.0533	-.1130	-.0690	-.0544	.0224	.0634	.1277	-.1884	-.0697	.0520	-.0254
225.000		.0236	-.3440	-1.0210	-.0503	-.0837	-.0395						-.1923	-.1299	-.1111
270.000		.0351	-.3361	-1.0346	-.0405	-.0705	-.1068	-.0844			.0500	-.3197	-.2447	-.2032	-.1670
315.000		.0413	-.3147	-1.0210	-.0569	-.0940	-.0140						-.2328	-.1361	-.1536

X/LS .9580

PHI	
.000	.0246
45.000	.0487
90.000	-.0177
135.000	-.0618
180.000	-.1020
225.000	-.1193
270.000	-.1372
315.000	-.1692

ALPHAT(4) = 3.730 BETAT (3) = 4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0010	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1630	.3483	-.1847	-1.1730	-.1437	-.1099	-.0682	-.0525	-.0328	-.0215	.0602	-.1656	-.0231	.1654	.1543
45.000		.2200	-.2449	-1.2220	-.2167	-.1014							.0204	.1797	.1134
90.000		.1636	-.2475	-.7723	-.4566	-.0447	-.0682	-.0536	-.0220	.0062	.0740	-.1065	.0228	.1098	.0398
135.000		.1707	-.2369	-.8507	-.4010	-.0527							-.0150	.1095	.0406
180.000	1.1630	.1908	-.2142	-1.2030	-.2266	-.1245	-.0975	-.0638	.0082	.0527	.0812	-.1902	-.0745	.0493	-.0235
225.000		.2614	-.2185	-1.0000	-.5702	-.2296	-.0736						-.1706	-.1078	-.0994

AP211-716 IA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1336)

ALPHA(4) = 3.730 BETA (5) = 4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L8	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.4087	.6427		-.7021	-.4173	-.1098	-.0790			.8350	-.2787	.2003	-.1551	-.1272
315.000		.4905	-.0929	-.9826	-.3814	-.1512	-.0314						-.2134	-.1043	-.0827

X/L8	.9580
PHI	
.000	.0613
45.000	.0044
90.000	-.0648
135.000	-.0836
180.000	-.1022
225.000	-.1159
270.000	-.1471
315.000	-.0834

ALPHA(4) = 3.730 BETA (4) = 8.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L8	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.1430	.3309	-.2066	-1.1620	-.1935	-.1165	-.1045	-.0853	-.0632	-.0032	.0287	-.1470	.0356	.2895	.2442
45.000		.1591	-.2994	-1.1300	-.3370	-.1321							.0269	.1729	.0782
90.000		.1280	-.2960	-.6862	-.4995	-.0415	-.0747	-.0727	-.0372	-.0172	.0509	-.0995	.0161	.1108	.0195
135.000		.1448	-.2651	-.8191	-.4518	-.0559							-.0290	.1082	.0359
180.000	1.1450	.1916	-.2258	-1.2270	-.2559	-.1502	-.1294	-.0681	-.0095	.0351	.0471	-.1953	-.0832	.0251	-.0536
225.000		.2857	-.2051	-1.0310	-.5759	-.2111	-.1061						-.1646	-.1084	-.1039
270.000		.4459	.6457		-.7966	-.3111	-.1037	-.0709			.2525	-.2797	-.1988	-.1525	-.1432
315.000		.4857	-.0654	-.8936	-.3796	-.0539	-.0400						-.1770	.0016	.0177

X/L8	.9580
PHI	
.000	.1301
45.000	-.0320
90.000	-.0993
135.000	-.0611
180.000	-.1331
225.000	-.1496
270.000	-.1729
315.000	.0349

A2C11-718 IA14 OI+T12+S12N25+AT11 SRM BOOSTER (RB1338)

ALPHAT(5) = 8.030 BETAT (1) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4800	.6330	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0920	.4830	-.0832	-1.0870	-.1091	-.0564	-.0469	-.0366	-.0234	-.0069	.0662	-.1671	-.0033	.2575	.2103
45.000		.2941	-.1005	-1.1660	-.1355	-.1361							.0366	.2842	.1839
90.000		.1147	-.2715	-.8970	-.5007	-.1641	-.1506	-.1444	-.0962	.0006	.1040	-.1159	.0088	.1279	.0232
135.000		.0667	-.2874	-.7009	-.4037	-.1278							-.0133	.0796	-.0128
180.000	1.0920	.0718	-.2913	-.7076	-.4174	-.1939	-.0855	-.0580	.0013	.0801	.1245	-.1998	-.0569	.1235	.0242
225.000		.0519	-.4415	-1.0020	-.5969	-.4376	-.0467						-.1727	-.0999	-.0937
270.000		.2427	.5197		-.5572	-.1939	-.0775	-.0456			.1760	-.3020	-.2251	-.1735	-.1269
315.000		.1136	.0224	-.8542	-.2172	.0085	-.0066						-.2171	-.0937	-.0919

X/LS .9580

PHI	
.000	.1097
45.000	.0638
90.000	-.0742
135.000	-.1189
180.000	-.0758
225.000	.0044
270.000	-.1501
315.000	-.1226

ALPHAT(5) = 8.040 BETAT (2) = -.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4990	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.0400	.4766	-.1040	-1.0780	-.1500	-.0936	-.0868	-.0852	-.0696	-.0501	.0313	-.1567	.0070	.2931	.2583
45.000		.2140	-.2558	-1.2090	-.2070	-.2003							.0008	.2263	.1107
90.000		.0660	-.3033	-.7602	-.4687	-.1639	-.1538	-.1398	-.0795	-.0099	.0783	-.1112	-.0081	.0813	-.0131
135.000		.0668	-.2862	-.6959	-.4665	-.0952							-.0189	.0974	-.0030
180.000	1.0400	.0445	-.2816	-.7855	-.4184	-.1739	-.0917	-.0652	.0088	.0684	.0824	-.1930	-.0535	.1196	.0123
225.000		.0598	-.4170	-.9660	-.6605	-.3675	-.0595						-.1540	-.0781	-.0856
270.000		.2761	.5252		-.6192	-.1091	-.0559	-.0394			.1861	-.2727	-.1855	-.1294	-.0982
315.000		.1435	.0524	-.7187	-.2353	.0141	-.0064						-.1901	-.0778	-.0483

X/LS .9580

PHI	
.000	.1512
45.000	-.0161
90.000	-.1093
135.000	-.1085
180.000	-.0799

ARC11-716 TA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1S36)

ALPHAT(3) = 8.020 BETAT (2) = 4.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1085
270.000	-.1103
315.000	-.0437

ALPHAT(5) = 8.010 BETAT (3) = 8.270

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8350	.8900	.9170	.9390
PHI															
.000	1.0600	.4502	-.1351	-1.0590	-.2368	-.1376	-.1302	-.1334	-.1198	-.0861	-.0064	-.1507	.0203	.3025	.2999
45.000		.1320	-.3415	-1.2510	-.2978	-.2714							-.0043	.1752	.0478
90.000		.0223	-.3431	-.7101	-.5141	-.1474	-.1484	-.1430	-.0933	-.0469	.0443	-.1177	-.0137	.0771	-.0245
135.000		.0634	-.2991	-.6734	-.5100	-.0778							-.0384	.1081	.0210
180.000	1.0600	.0655	-.2956	-.8384	-.4319	-.1739	-.1011	-.0752	-.0049	.0366	.0602	-.1954	-.0811	.0849	-.0234
225.000		.0659	-.3912	-.9115	-.6857	-.3569	-.0869						-.1588	-.0913	-.0880
270.000		.3061	.5207		-.6521	-.1255	-.0558	-.0554			.2231	-.2690	-.1982	-.1347	-.1222
315.000		.5831	.0747	-.5383	-.2321	-.0010	.0226						-.1923	-.0660	.0416

X/LS .9580

PHI	
.000	.1757
45.000	-.0788
90.000	-.1310
135.000	-.0814
180.000	-.1036
225.000	-.1294
270.000	-.1550
315.000	.0757

ARC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1337) (14 FEB 74)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 39.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .950 ELEVON = .000
RUDDER = .000 SPDBRK = .000

ALPHAT(1) = -8.540 BETAT (1) = -4.050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1500	.1163	-.2094	-.9855	-.5902	-.5053	-.3050	-.1229	-.1452	-.0752	.0474	-.3195	-.2277	-.1196	-.1962
45.000		.1019	-.1888	-.9873	-.7633	-.3386							-.1124	-.0349	-.1371
90.000		.2139	-.1113	-.9356	-.3866	-.3990	-.4828	-.2469	-.2030	-.2335	-.0293	-.3991	-.0498	.1600	.1114
135.000		.4498	.0601	-.8036	-.1045	-.1935							.0167	.2898	.2458
180.000	1.1500	.6152	.1528	-.7278	.0470	-.0010	-.1195	-.3016	.0657	.0820	.1791	-.4856	-.1414	.2013	.1086
225.000		.5698	.2363	-.5776	-.0099	.0443	-.0704						-.2815	-.2553	-.2278
270.000		.2519	.5669		-.7001	-.7123	-.2280	-.0295			.2875	-.3935	-.3164	-.2486	-.2243
315.000		.0724	-.4091	-.8104	-.7190	-.6742	-.1293						-.3526	-.3113	-.2660

X/LS	.9580
PHI	
.000	-.2423
45.000	-.2129
90.000	.0141
135.000	.1272
180.000	.0174
225.000	-.2209
270.000	-.1751
315.000	-.2642

ALPHAT(1) = -8.510 BETAT (2) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1360	.1115	-.2008	-.9968	-.6230	-.5048	-.2368	-.0722	-.0202	-.0738	-.0334	-.3713	-.1754	-.0125	-.1194
45.000		.0972	-.1827	-1.0000	-.8136	-.3217							-.1198	-.0522	-.0864
90.000		.1526	-.1625	-.9818	-.4944	-.4528	-.5438	-.2954	-.1897	-.2314	-.0053	-.3623	-.1083	.0714	.0353
135.000		.3773	-.0199	-.8843	-.2490	-.3261							-.0983	.1543	.1400
180.000	1.1360	.6180	.1436	-.7394	-.0383	-.0963	-.2717	-.3893	.0220	.0238	.0544	-.5039	-.2506	-.0810	-.0475
225.000		.6114	.2581	-.4026	-.0296	-.0024	-.1691						-.2954	-.2845	-.2455
270.000		.2618	.5404		-.7385	-.7496	-.2303	-.0514			.2264	-.4011	-.3280	-.2770	-.2578
315.000		.0651	-.4246	-.8320	-.7447	-.6698	-.1840						-.3334	-.2818	-.2433

X/LS	.9580

ARC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1337)

ALPHAT(1) = -8.510 BETAT (2) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
.000	-.2010
45.000	-.1747
90.000	-.0457
135.000	.0485
180.000	-.0687
225.000	-.2123
270.000	-.2273
315.000	-.2152

ALPHAT(1) = -8.520 BETAT (3) = 4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9360
PHI															
.000	1.1130	.1092	-.2025	-1.0070	-.6093	-.4911	-.1596	-.0265	.0009	-.0150	.0576	-.3285	-.1387	.1186	.0814
45.000		.0946	-.1826	-1.0070	-.8323	-.2898							-.1036	-.0057	-.0712
90.000		.0972	-.2002	-1.0130	-.5613	-.4133	-.5270	-.1551	-.1236	-.1358	.0445	-.3267	-.1075	-.0039	-.0492
135.000		.2987	-.0947	-.9374	-.3846	-.4742							-.1520	-.0073	-.0138
180.000	1.1130	.6097	.1265	-.7474	-.1224	-.1918	-.3342	-.3508	-.0482	-.0083	-.0641	-.4170	-.2602	-.1631	-.1603
225.000		.6596	.2867	-.1618	-.0408	-.0402	-.1771						-.2972	-.2444	-.2136
270.000		.2813	.5225		-.7135	-.7751	-.2424	-.0352			.1300	-.3737	-.2813	-.2403	-.2189
315.000		.0689	-.4253	-.8445	-.7237	-.6423	-.2009						-.2625	-.2097	-.1902

X/LS .9580

PHI	
.000	.0362
45.000	-.1514
90.000	-.1214
135.000	-.0803
180.000	-.1785
225.000	-.2426
270.000	-.2447
315.000	-.2031

ARC11-716 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1337)

ALPHAT(1) = -8.550 BETAT (4) = 8.180

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0810	.1009	-.2074	-.9909	-.5942	-.4720	-.1338	-.0059	.0094	-.0026	.0662	-.2874	-.0731	.1767	.1707
45.000		.0922	-.1878	-.9899	-.7794	-.2735							-.0964	.0865	.0065
90.000		.0502	-.2381	-1.0170	-.6127	-.4127	-.4219	-.1981	-.1034	-.0701	-.0102	-.3084	-.1416	-.0562	-.0850
135.000		.2345	-.1575	-.9456	-.5013	-.6212							-.1863	-.1114	-.1318
180.000	1.0810	.6140	.1136	-.7285	-.1717	-.2803	-.4158	-.3725	-.0701	-.0309	-.1197	-.3965	-.2706	-.2154	-.2246
225.000		.6911	.3161	.0126	.0066	-.0713	-.1853						-.2712	-.2220	-.2326
270.000		.2780	.5002		-.6699	-.7725	-.2531	-.0534			.0000	-.372*	-.2724	-.2416	-.2422
315.000		.0585	-.4152	-.7581	-.6639	-.6030	-.2106						-.2265	-.0994	-.1412

X/LS	.9580
PHI	
.000	.1009
45.000	-.0707
90.000	-.1361
135.000	-.1714
180.000	-.2324
225.000	-.2463
270.000	-.2399
315.000	-.1472

ALPHAT(2) = -4.410 BETAT (1) = -8.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2270	.2238	-.1360	-.9710	-.4997	-.3843	-.2298	-.0747	-.0208	.0119	.1459	-.3085	-.2198	-.1179	-.2457
45.000		.2584	-.0865	-.9428	-.6751	-.1954							-.1135	.0401	-.0272
90.000		.3799	.0293	-.8771	-.5230	-.0781	-.2002	-.1441	-.0441	-.0280	.0865	-.3404	.0493	.2975	.2346
135.000		.4733	.1009	-.8425	-.0446	.0245							.1079	.3781	.3190
180.000	1.2270	.4892	.0840	-.8422	.1079	.0828	-.0275	-.1248	.0855	.1662	.2937	-.4261	-.0275	.1998	.1155
225.000		.4744	.1144	-.7646	-.0539	.0828	-.0116						-.3029	-.1579	-.2315
270.000		.3810	.7011		-.6279	-.7342	-.1735	.0083			.2845	-.4024	-.3350	-.2842	-.2523
315.000		.2519	-.2110	-.9392	-.6266	-.6092	-.0505						-.3433	-.3090	-.2752

X/LS	.9580
PHI	
.000	-.3208
45.000	-.1148
90.000	.1125
135.000	.1861
180.000	.0083

ARC11-718 IA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1S37)

ALPHAT(2) = -4.410 BETAT (1) = -8.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9590

PHI	
225.000	-.2569
270.000	-.2275
315.000	-.2543

ALPHAT(2) = -4.390 BETAT (2) = -4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2240	.2295	-.1265	-.9578	-.5250	-.3750	-.1685	-.0648	-.0040	.0162	.1281	-.2886	-.1579	-.0433	-.1553
45.000		.2446	-.0884	-.9485	-.7186	-.1729							-.0773	.0361	-.0161
90.000		.3275	-.0198	-.9114	-.6076	-.1185	-.2686	-.2194	-.0397	-.0369	.0918	-.3503	.0188	.2192	.1778
135.000		.4310	.0584	-.8742	-.3259	-.0593							.0497	.2945	.2449
180.000	1.2240	.4989	.0915	-.8285	.0220	.0127	-.1007	-.2363	.0694	.1199	.2372	-.4378	-.1005	.1885	.0941
225.000		.5107	.1427	-.7454	-.0830	.0224	-.0730						-.2733	-.2364	-.2264
270.000		.4031	.6909		-.6287	-.7391	-.2031	-.0221			.3111	-.3859	-.3020	-.2527	-.2275
315.000		.2577	-.2102	-.9390	-.6254	-.6235	-.1004						-.3182	-.2640	-.2445

X/LS .9580

PHI	
.000	-.2198
45.000	-.0865
90.000	.0760
135.000	.1268
180.000	.0113
225.000	-.2188
270.000	-.1877
315.000	-.2412

ALPHAT(2) = -4.390 BETAT (3) = -.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2120	.2271	-.1310	-.9671	-.5237	-.3757	-.1167	-.0345	.0094	.0143	.0944	-.2920	-.1352	-.0346	-.0942
45.000		.2366	-.1036	-.9548	-.7515	-.1731							.0675	.0066	-.0103
90.000		.3242	-.0281	-.9125	-.6237	-.1159	-.2773	-.1664	-.0331	-.0429	.0906	-.3253	-.0377	.1979	.0959
135.000		.3827	.0017	-.8761	-.3250	.0167							-.0369	.1900	.1504
180.000	1.2120	.4745	.0435	-.8275	.0235	.0229	-.1075	-.2849	.0337	.0535	.1303	-.4454	-.2000	.0003	.0040
225.000		.5465	.1467	-.7424	-.0783	.0333	-.0729						-.2340	-.2501	-.2256

ARC11-716 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1337)

ALPHAT(2) = -4.390 BETAT (3) = -.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4206	.6744		-.6158	-.7182	-.1997	-.0308			.2448	-.3746	-.3080	-.2702	-.2441
315.000		.2609	-.2115	-.9309	-.6187	-.6263	-.1433						-.3008	-.2017	-.2263

X/LS	.9580
PHI	
.000	-.1627
45.000	-.0855
90.000	.0158
135.000	.0119
180.000	-.0367
225.000	-.1865
270.000	-.2268
315.000	-.2256

ALPHAT(2) = -4.390 BETAT (4) = 4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1870	.2174	-.1321	-.9729	-.5415	-.3813	-.0754	-.0100	.0154	.0210	.0997	-.2682	-.0978	.0941	.0683
45.000		.2087	-.1167	-.9693	-.7773	-.1767							-.0458	.1123	.0214
90.000		.2259	-.1078	-.9599	-.7193	-.1703	-.1774	-.0916	-.0231	-.0134	.1093	-.2792	-.0472	.0176	.0060
135.000		.3239	-.0547	-.9410	-.3926	-.2935							-.0704	.0807	.0371
180.000	1.1870	.4929	.0715	-.8024	-.1876	-.1946	-.2409	-.2278	-.0126	.0254	.0263	-.3720	-.1949	-.0294	-.0872
225.000		.5672	.1974	-.6386	-.1412	-.0950	-.1526						-.2538	-.2107	-.1895
270.000		.4293	.6436		-.6344	-.7030	-.1794	-.0308			.1579	-.3362	-.2595	-.2206	-.1997
315.000		.2675	-.1966	-.9291	-.6349	-.6168	-.1211						-.2708	-.1825	-.1756

X/LS	.9580
PHI	
.000	.0046
45.000	-.0685
90.000	-.0762
135.000	-.0449
180.000	-.1342
225.000	-.1772
270.000	-.2055
315.000	-.1994

* (...) ... D+*12+D12*D3+A711 SRM BOOSTER (R81337)

ALPHAT(2) = -4.410 BETAT (5) = 8.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0345	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1850	.1853	-.1299	-.9634	-.5579	-.3173	-.0381	-.0074	.0157	.0200	.1069	-.2593	-.0599	.1470	.1634
45.000		.1779	-.1394	-.9631	-.7498	-.1795							-.0068	.1755	.1588
90.000		.1772	-.1387	-.6933	-.7774	-.2614	-.1452	-.1496	-.0624	-.0089	.0748	-.2482	-.0593	.0443	-.0132
135.000		.2703	-.1070	-.9616	-.4758	-.4642							-.1225	-.0405	-.0734
180.000	1.1650	.4838	.0687	-.7759	-.2003	-.3961	-.2843	-.2100	-.0387	.0126	-.0463	-.3384	-.2445	-.1541	-.1753
225.000		.5641	.2322	-.5935	-.1647	-.1215	-.1720						-.2669	-.1973	-.1877
270.000		.3614	.5479		-.0575	-.2502	-.1053	-.0469			.1096	-.3425	-.2659	-.2332	-.2141
315.000		.2307	-.1735	-.9188	-.6407	-.5551	-.0941						-.2313	-.1329	-.1574

X/LS .9580

PHI	
.000	.0967
45.000	.0710
90.000	-.0950
135.000	-.1204
180.000	-.1969
225.000	-.2094
270.000	-.2191
315.000	-.1595

ALPHAT(3) = -.520 BETAT (1) = -8.170

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0345	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2450	.3243	-.0714	-.9405	-.4188	-.2067	-.0055	-.0422	.0130	.0633	.2006	-.2608	-.1751	-.0775	-.1659
45.000		.3643	-.0187	-.9042	-.6028	-.0491							-.0332	.1616	.1062
90.000		.4188	.0437	-.7065	-.5198	.0378	-.0209	-.0453	.0446	.0915	.1932	-.2334	.1014	.3378	.2753
135.000		.4043	.0797	-.7789	-.3374	.1621							.1052	.3286	.2730
180.000	1.2450	.3945	.0036	-.8127	-.1373	.3777	.0134	-.0039	.0907	.2031	.3219	-.3737	-.0269	.1612	.0788
225.000		.4001	.0092	-.8139	-.4281	-.0841	.0344						-.2974	-.1254	-.2325
270.000		.4261	.7519		-.5771	-.2015	-.1516	-.0056			.2811	-.3909	-.3281	-.2791	-.2326
315.000		.3764	-.0910	-.8974	-.7219	-.4637	-.0331						-.3319	-.2597	-.2872

X/LS .9580

PHI	
.000	-.2351
45.000	.0044
90.000	.1492
135.000	.1394
180.000	-.0240

ARC11-716 TA14 C1+712+S12N25+AT11 SRM BOOSTER (RB1337)

ALPHAT(3) = -.520 BETAT (1) = -8.170

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2520
270.000	-.2117
315.000	-.2512

ALPHAT 3) = -.510 BETAT (2) = -4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2470	.3352	-.0682	-.9347	-.4366	-.2408	-.0761	-.0285	.0210	.0541	.1816	-.2656	-.1450	-.0513	-.1074
45.000		.3436	-.0382	-.0171	-.6488	-.0599							-.0079	.1231	.1004
[illegible]		[illegible]	[illegible]	-.0903	-.6074	.0075	-.0571	-.0683	.0349	.0736	.1888	-.2461	.0645	.2277	.2062
135.000		.36	[illegible]	-.0995	-.5828	.0167							.0648	.2280	.2059
[illegible]	1.2470	.3275	[illegible]	[illegible]	-.1842	-.0176	-.0337	-.1434	.0724	.1512	.2820	-.3703	-.0403	.1676	.0784
225.000		.4273	[illegible]	-.0375	-.4283	-.2242	-.0117						-.2036	-.1814	-.1925
[illegible]		.4544	[illegible]		-.5724	-.5967	-.1674	-.0149			.3165	-.3538	-.2975	-.2372	-.2046
[illegible]		.3771	[illegible]	-.6903	-.5233	-.4949	-.0436						-.3068	-.2457	-.2217

X/LS .9580

PHI	
.000	.1572
45.000	.0066
90.000	.0325
135.000	.0849
180.000	-.0354
225.000	-.1371
270.000	-.1669
315.000	-.2167

ALPHAT(3) = -.510 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2360	.3371	-.0607	-.9284	-.4939	-.2792	-.0423	-.0313	.0174	.0414	.1307	-.2715	-.1239	.0103	-.0288
45.000		.3156	-.0508	-.9230	-.6853	-.0926							-.0188	.1046	.0856
90.000		.3269	-.0295	-.9196	-.6636	-.0244	-.0631	-.1078	.0366	.0631	.1695	-.2531	.0055	.1284	.1170
135.000		.3340	-.0052	-.9129	-.6288	-.0326							-.0058	.1340	.1109
180.000	1.2390	.4043	.0173	-.8974	-.3843	-.0536	-.0835	-.2156	.0568	.1104	.1925	-.3869	-.1388	.1032	.0335
225.000		.4595	.0474	-.8087	-.4038	-.1976	-.0528						-.2536	-.2233	-.2055

-716 DATA 1+712+512N25+AT11 SRM BOOSTER (RB1337)

ALPHAT (3) = -.510 BETAT (4) = .090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4838	.7374		-.8304	-.5473	-.1042	-.0428			.2817	-.3670	-.2916	-.2506	-.2215
315.000		.3974	-.0611	-.9859	-.5408	-.5339	-.0198						-.2903	-.2089	-.2199

X/LS	.9580
PHI	
.000	-.0858
45.000	.0034
90.000	.0249
135.000	.0174
180.000	-.0390
225.000	-.1658
270.000	-.2014
315.000	-.2109

ALPHAT (3) = -.510 BETAT (4) = 4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2180	.3255	-.0677	-.0353	.7844	-.5188	-.0305	-.0352	.0159	.0382	.1362	-.2604	-.0771	.0979	.0672
45.000		.2937	-.0742	-.9455	-.7198	-.1034							-.0077	.1399	.1021
90.000		.2910	-.0724	-.9489	-.7170	-.0486	-.0580	-.1034	.0264	.0477	.1215	-.2491	-.0199	.1156	.0423
135.000		.3113	-.0642	-.9478	-.6610	-.0591							-.0609	.0401	-.0033
180.000	1.2180	.3135	-.0695	-.9876	-.6177	-.0604	-.1778	-.2297	.0221	.0648	.0772	-.2300	-.1720	-.0272	-.0772
225.000		.4919	-.0709	-.7971	-.4925	-.0449	-.0735						-.2485	-.2186	-.1735
270.000		.5783	.7162		-.7787	-.7216	-.0004	-.1134			.2231	-.3702	-.2033	-.2171	-.1841
315.000		.4145	-.0503	-.9640	-.5024	-.1259	.0184						-.2631	-.1575	-.1686

X/LS	.9580
PHI	
.000	.0037
45.000	.0068
90.000	-.0411
135.000	-.0804
180.000	-.1254
225.000	-.1668
270.000	-.1851
315.000	-.1863

ARC11-718 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1337)

ALPHAT (5) = -.520 BETAT (5) = 8.190

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1950	.3055	-.0781	-.9311	-.5822	-.3521	-.0189	-.0238	.0187	.0366	.1338	-.2590	-.0347	.1683	.1635
45.000		.2444	-.1106	-.9572	-.7348	-.1120							.0019	.1599	.1241
90.000		.2368	-.1052	-.9629	-.7529	-.0587	-.0486	-.0594	.0251	.0394	.0956	-.2453	-.0263	.1179	.0625
135.000		.2687	-.0794	-.9562	-.5954	-.1368							-.0990	-.0168	-.0807
180.000	1.1950	.3722	.0135	-.8773	-.3163	-.1935	-.1666	-.1581	-.0051	.0419	.0298	-.3143	-.2145	-.1007	-.1594
225.000		.4765	.0931	-.7503	-.2529	-.1141	-.1164						-.2646	-.2062	-.1857
270.000		.4973	.7406		-.7754	-.2894	-.0199	-.1630			.1885	-.3387	-.2507	-.2098	-.1891
315.000		.4134	-.0296	-.8351	-.5840	-.4892	.0139						-.2533	-.1249	-.1223

X/LS	.9580
PHI	
.000	.0896
45.000	.0322
90.000	-.0286
135.000	-.1239
180.000	-.1850
225.000	-.1949
270.000	-.2041
315.000	-.1115

ALPHAT (4) = 3.960 BETAT (1) = -8.210

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2270	.4451	.0162	-.8912	-.2416	-.1346	-.0053	.0146	.0402	.0910	.2163	-.2482	-.1334	.0392	-.0316
45.000		.4525	.0612	-.8569	-.5205	.0016							.0435	.2937	.2405
90.000		.3953	.0530	-.8690	-.5328	.0182	.0186	.0065	.0560	.1423	.2615	-.1672	.1011	.3392	.2798
135.000		.3029	-.0288	-.9216	-.2577	-.0415							.0581	.2421	.1806
180.000	1.2270	.2643	-.0769	-.9111	-.2797	-.1670	.0503	-.0249	.0851	.2309	.3184	-.3431	-.0323	.1148	.0357
225.000		.2935	-.1335	-.6564	-.3230	-.5229	.1378						-.2620	-.0892	-.1867
270.000		.5939	.7272		-.3228	-.4420	-.0056	-.0479			.1806	-.3755	-.3208	-.2594	-.2193
315.000		.4389	.0349	-.7798	-.2892	-.3719	.0342						-.3075	-.2102	-.2451

X/LS	.9580
PHI	
.000	-.1083
45.000	.1218
90.000	.1522
135.000	.0680
180.000	-.0755

(RB1537)

ALPHAT(4) = 3.960 BETAT(2) = -4.780

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .0000 .0340 .0990 .1150 .1440 .2010 .2870 .3730 .4880 .6030 .7190 .8330 .8900 .9170 .9390

PHI

PHI															
.000	1.2290	.4524	.0097	-.8929	-.3170	-.1800	-.0318	-.0098	.0251	.0732	.1973	-.2437	-.0967	.0765	.0250
45.000		.4109	.0179	-.8854	-.3783	-.0366							.0207	.2341	.2056
90.000		.3472	-.0051	-.9040	-.6101	.0071	-.0131	-.0445	.0320	.1139	.2078	-.1874	.0435	.2211	.1810
135.000		.2891	-.0251	-.9329	-.4721	-.0348							.0248	.1487	.1090
180.000	1.2295	.2740	-.0539	-.9337	-.3117	-.1017	.0199	-.0767	.0743	.1906	.2648	-.3156	-.0729	.1141	.0267
225.000		.3005	-.1105	-.7004	-.3717	-.1446	.1054						-.2583	-.1660	-.1902
270.000		.4193	-.2137		-.2753	-.0120	.0107	-.0623			.3047	-.3668	-.2920	-.2490	-.2096
315.000		.4677	-.0466	-.7765	-.3131	-.0470	.0166						-.2756	-.1768	-.1938

X/LS .9590

PHI

PHI	
.000	-.0404
45.000	.0960
90.000	.0714
135.000	-.0098
180.000	-.0674
225.000	-.1894
270.000	-.1913
315.000	-.2072

ALPHAT(4) = 3.960 BETAT(3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .0000 .0340 .0990 .1150 .1440 .2010 .2870 .3730 .4880 .6030 .7190 .8330 .8900 .9170 .9390

PHI

PHI															
.000	1.2147	.4550	.0250	-.8926	-.3620	-.0217	-.0237	-.0227	.0173	.0582	.1799	-.2468	-.0850	.1204	.0890
45.000		.3671	-.0220	-.9037	-.6217	.1440							.0210	.1951	.1658
90.000		.2751	-.0413	-.9331	-.6774	-.0361	-.0331	-.0726	.0141	.0893	.1929	-.2171	.0248	.1729	.1178
135.000		.2274	-.0477	-.9337	-.6119	-.1326							-.0148	.0510	.0640
180.000	1.2198	.2327	-.0539	-.9337	-.3441	-.1643	.0199	-.0767	.0743	.1431	.2029	-.3267	-.1057	.0503	-.0212
225.000		.3225	-.0943	-.7004	-.3776	-.1933	.1054						-.2541	-.1703	-.1797

ARC11-716 TA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1337)

ALPHAT(4) = 5.990 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L8	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4475	.7035		-.4473	-.5853	-.0285	-.0993			.3199	-.3488	-.2877	-.2392	-.1980
315.000		.4969	.0661	-.7678	-.3631	-.4437	.0097						-.2738	-.1900	-.1838

X/L8	.9580
PHI	
.000	.0191
45.000	.[illegible]076
90.000	-.[illegible]39
135.000	-.[illegible]21
[illegible]	.[illegible]016
[illegible]	.[illegible]695
[illegible]	-.[illegible]113
[illegible]	-.[illegible]001

ALPHAT(4) = 5.990 BETAT (4) = 4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L8	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1975	.4416	.0068	-.8884	-.4832	-.3398	-.0268	-.0454	.0000	.0347	.1442	-.2473	-.0609	.1973	.1682
45.000		.3136	-.0653	.9267	-.6566	-.0916							-.0125	.1705	.1271
90.000		.2516	-.0769	.9519	-.7158	-.0151	-.0034	-.0927	.0150	.1628	.1513	-.2272	-.0194	.0974	.0581
135.000		.2435	-.0772	-.9468	-.7053	-.0166							-.0531	.0844	.0251
180.000	1.1975	.2694	-.0537	-.9444	-.6783	-.1352	-.0063	-.1359	.0454	.1061	.1211	-.3167	-.1324	.0141	-.0527
225.000		.3257	-.0725	-.9542	-.5191	-.3394	-.0077						-.2369	-.1858	-.1513
270.000		.4547	.6009		-.4727	-.5510	-.0055	-.1116			.2747	-.3396	-.2407	-.1807	-.1619
315.000		.5243	.0800	-.7302	-.4355	-.3572	.0039						-.2395	-.1350	-.1431

X/L8	.9580
PHI	
.000	.0857
45.000	.0928
90.000	-.0973
135.000	-.0898
180.000	-.1289
225.000	-.1544
270.000	-.1557
315.000	-.1354

A321-200 W/O 26+12+512+25+A311 SPM BOOSTER (PR1537)

ALPHAT (AV) = 3.960 BETAT (B) = 0.000

SECTION (1) SPM BOOSTER DEPENDENT VARIABLE CP

X/C	.0000	.0540	.0950	.1140	.1440	.2010	.2970	.3750	.4860	.6030	.7180	.8350	.8900	.9170	.9380
PHI															
.000	1.1780	.4332	-.0126	-.6710	-.4049	-.1719	-.0471	-.0620	-.0185	.0071	.1094	-.2032	-.0256	.2429	.2268
45.000		.2687	-.1151	-.3817	-.2540	-.0561							.0124	.1687	.0978
90.000		.2478	-.1143	-.3695	-.2663	-.0811	-.0366	-.0366	-.0029	.0352	.1314	-.2081	-.0059	.0960	.0348
135.000		.1026	-.0366	-.2557	-.2324	-.1113							-.0576	.0627	.0144
180.000	1.1780	.2614	-.0417	-.3141	-.2741	-.1715	-.0964	-.1172	-.0271	.0774	.0934	-.2745	-.1229	.0159	-.0769
225.000		.0393	-.0517	-.2407	-.2277	-.0939	-.0939						-.2142	-.1816	-.1380
270.000		.1405	.1914		-.3741	-.1987	-.0510	-.0849			.2590	-.3215	-.2229	-.1774	-.1550
315.000		.5399	.1036	-.6997	-.4770	-.1559	-.0109						-.2219	-.1042	-.0734

X/C = .9580

PHI	
.000	.1452
45.000	-.0013
90.000	-.0690
135.000	-.0706
180.000	-.1581
225.000	-.1947
270.000	-.1823
315.000	-.0600

ALPHAT (1) = 7.980 BETAT (1) = -8.190

SECTION (1) SPM BOOSTER DEPENDENT VARIABLE CP

X/C	.0000	.0540	.0950	.1140	.1440	.2010	.2970	.3750	.4860	.6030	.7180	.8350	.8900	.9170	.9380
PHI															
.000	1.1650	.5496	.0855	-.8354	-.5710	-.1711	.0524	.0619	.0785	.1227	.2433	-.1917	-.0788	.1928	.1281
45.000		.4925	.0771	-.8017	-.4374	-.0990							.0445	.3900	.3191
90.000		.3044	-.0295	-.6144	-.4330	-.1747	-.0477	-.0319	.0004	.1219	.2533	-.1332	.0098	.3032	.2170
135.000		.1500	-.1121	-.5435	-.3913	-.2111							-.0751	.1499	.0357
180.000	1.1650	.1337	-.1557	-.5019	-.3711	-.1993	-.0910	-.0540	-.0859	.1911	.2099	-.3391	-.1113	.0340	-.0601
225.000		.0179	-.2379	-.5647	-.3746	-.1401	-.0400						-.2532	-.1047	-.1649
270.000		.0617	.0314		-.4141	-.1787	-.0459	.0259			.3311	-.3510	-.3263	-.2617	-.2233
315.000		.4812	.1363	-.7537	-.4483	-.1425	-.0963						-.2740	-.1295	-.2200

X/C = .9580

PHI	
.000	.0251
45.000	.1965
90.000	.1042
135.000	-.0765
180.000	-.1601

AEDC11-716 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1837)

ALPHAT(5) = 7.980 BETAT (1) = -8.190

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L= .0500

PHI	
225.000	.1914
270.000	-.2035
315.000	-.2344

ALPHAT(5) = 8.010 BETAT (2) = -4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L=	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1630	.5603	.2718	-.8362	-.2514	-.1414	.0374	.0341	.0542	.1007	.2529	-.2009	-.0438	.1984	.1542
45.000		.4366	.2402	-.8582	-.4885	-.0697							.0305	.3122	.2620
90.000		.2814	.2114	-.0996	-.6511	-.0669	-.0951	-.0946	-.0325	.0995	.2360	-.1678	-.0189	.1979	.1180
135.000		.1439	.1157	-.8973	-.2942	-.1075							-.0699	.0892	-.0045
180.000	1.1630	.1501	.1112	-.7421	.4930	-.2740	-.0155	-.0434	.0437	.1643	.2038	-.3131	-.1205	.0930	-.0056
225.000		.1394	.0968	-.7502	-.7026	-.4425	.0226						-.2504	-.1696	-.1791
270.000		.2023	.6205		-.1743	-.5591	-.0631	-.0365			.3791	-.3360	-.2761	-.2361	-.2133
315.000		.5231	.1607	-.7184	-.1661	-.4517	.0714						-.2553	-.0977	-.1796

X/L= .500

PHI	
.000	.0720
45.000	.1490
90.000	.0212
135.000	-.1071
180.000	-.0814
225.000	-.1814
270.000	-.1754
315.000	-.1961

ALPHAT(5) = 8.010 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L=	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1480	.5617	.2697	-.8204	-.3454	-.0414	-.0222	-.0291	.0038	.0462	.1492	-.2405	-.0897	.2198	.2042
45.000		.3779	.2125	-.8910	-.5275	-.0483							-.0281	.2510	.2083
90.000		.2016	.1015	-.9578	-.6052	-.0555	-.1159	-.1388	-.0640	.0667	.1078	-.2092	-.0394	.0970	.0355
135.000		.1548	.1184	-.9790	-.3456	-.0690							-.0594	.0730	-.0028
180.000	1.1480	.1602	.1317	-.9145	-.4981	-.2862	-.0879	-.0732	.0450	.1459	.1965	-.3130	-.1321	.1129	.0275
225.000		.1423	.0991	-.7614	-.6156	-.4535	-.0108						-.2541	-.1737	-.1548

AP011-P16 TA14 B1+T12+S12N25+4T11 SRM BOOSTER (RB1337)

ALPHAT(3) = 8.010 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.3148	.5957		-.4552	-.4792	-.0681	-.0529			.2521	-.3492	-.2927	-.2418	-.1984
315.000		.5645	.1730	-.6910	-.2772	-.0732	.0054						-.2618	-.1427	-.1642

X/LS	.9580
PHI	
.000	.1155
45.000	.0920
90.000	-.0542
135.000	-.1079
180.000	-.0548
225.000	-.1567
270.000	-.1667
315.000	-.1598

ALPHAT(5) = 8.000 BETAT (4) = 4.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.1220	.5572	.0514	-.8168	-.3497	-.0773	-.0587	-.0695	-.0422	.0044	.0966	-.2679	-.0615	.2224	.2309
45.000		.3144	-.0913	-.9263	-.5093	-.0776							-.0292	.1865	.1151
90.000		.1597	-.1399	-.9798	-.7355	-.0608	-.1092	-.1603	-.0468	.0366	.1407	-.2278	-.0496	.0517	-.0162
135.000		.1584	-.1228	-.9785	-.4404	-.0353							-.0684	.0886	-.0078
180.000	1.1220	.1663	-.1257	-.9731	-.4864	-.2129	-.0446	-.0893	.0430	.1099	.1330	-.3137	-.1062	.0742	-.0129
225.000		.1537	-.2628	-.7261	-.5711	-.4968	-.0328						-.2196	-.1393	-.1238
270.000		.3393	.5843		-.5610	-.2926	-.0564	-.0535			.2202	-.3301	-.2368	-.1759	-.1464
315.000		.5996	.1818	-.6269	-.3047	-.0269	.0104						-.2345	-.1480	-.1186

X/LS	.9580
PHI	
.000	.1704
45.000	.0199
90.000	-.1082
135.000	-.1033
180.000	-.0940
225.000	-.1552
270.000	-.1459
315.000	-.1023

ARC11-716 TA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1537)

ALPHAT(5) = 7.990 BETAT (5) = 8.260

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LB	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.1040	.3353	.0353	-.7982	-.3412	-.2341	-.0883	-.1041	-.0749	-.0275	.0684	-.2772	-.0307	.2519	.2736
45.000		.2395	-.1576	-.9611	-.5500	-.1192							-.0289	.1550	.0586
90.000		.1242	-.1731	-.9969	-.5919	-.0794	-.0986	-.1519	-.0618	.0024	.1116	-.2303	-.0428	.0487	-.0223
135.000		.1495	-.1311	-.9794	-.4236	-.0157							-.0559	.0929	.0331
180.000	1.1040	.1546	-.1163	-.9719	-.4925	-.1661	-.0660	-.1144	.0159	.0802	.1027	-.3108	-.1239	.0481	-.0473
225.000		.1563	-.2183	-.7198	-.6324	-.3931	-.0670						-.2189	-.1536	-.1320
270.000		.3417	.5689		-.6195	-.1268	-.0292	-.0597			.2455	-.3160	-.2366	-.1742	-.1644
315.000		.6207	.2067	-.4935	-.2769	-.0529	.0323						-.2207	-.1034	-.0257

X/LS	.0580
PHI	
.000	.2014
45.000	-.0477
90.000	-.1190
135.000	-.0670
180.000	-.1324
225.000	-.1682
270.000	-.1868
315.000	.0258

APC11-718 TA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1S38) (14 FEB 74)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.050 ELEVON = .000
RUDDER = .000 SPDBRK = .000

ALPHAT(1) = -8.600 BETAT (1) = -8.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2330	.1934	-.1004	-.7913	-.5177	-.4121	-.3015	-.2787	-.3279	-.0760	.1289	-.3219	-.2310	-.0684	-.2328
45.000		.2012	-.0722	-.7855	-.6067	-.3110							-.0988	-.0103	-.0554
90.000		.3692	.0797	-.6954	-.3713	-.2233	-.3049	-.4745	-.3159	-.1825	.0622	-.3954	.0299	.2968	.2836
135.000		.5901	.2450	-.5990	.1070	.0358							.1407	.4770	.4382
180.000	1.2330	.6772	.2784	-.5492	.2449	.1912	.0567	-.1096	-.1080	.1592	.3143	-.4258	.0421	.2748	.2331
225.000		.6028	.3342	-.4753	.1669	.2152	.0833						-.3020	-.1677	-.2717
270.000		.3426	.6774		-.6430	-.5009	-.1953	-.0979			.2562	-.4263	-.3543	-.3227	-.3093
315.000		.1825	-.2896	-.6778	-.6517	-.6283	-.0975						-.3669	-.3364	-.3293

X/LS	.9580
PHI	
.000	-.3274
45.000	-.1448
90.000	.1727
135.000	.3044
180.000	.0991
225.000	-.2780
270.000	-.2725
315.000	-.3130

ALPHAT(1) = -8.580 BETAT (2) = -5.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2160	.1771	-.0775	-.7788	-.5252	-.3977	-.2848	-.2321	-.3467	-.0860	.1219	-.3192	-.1857	-.0033	-.1381
45.000		.1716	-.0648	-.7846	-.6168	-.2944							-.0918	.0001	-.0418
90.000		.3091	.0335	-.7265	-.3993	-.2788	-.3674	-.5284	-.3585	-.1983	.0778	-.4083	.0195	.2393	.2495
135.000		.5466	.2057	-.6252	.0197	-.0474							.0915	.3964	.3854
180.000	1.2160	.6874	.2811	-.5371	.1852	.1347	-.0369	-.1697	-.1802	.1300	.2493	-.4035	-.0257	.1838	.1572
225.000		.6238	.3438	-.4434	.1444	.1752	.0086						-.3009	-.2150	-.2348
270.000		.3252	.6444		-.6550	-.5263	-.1762	-.1093			.3355	-.4049	-.3341	-.2835	-.2604
315.000		.1499	-.2864	-.6661	-.6671	-.5995	-.0988						-.3365	-.2830	-.2825

X/LS	.9580

ARC11-718 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1838)

ALPHAT(1) = -8.580 BETAT (2) = -5.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE C_P

X/LS .9360

PHI	
.000	-.2262
45.000	-.1224
90.000	.1448
135.000	.2630
180.000	.0954
225.000	-.2580
270.000	-.2130
315.000	-.2754

ALPHAT(1) = -8.580 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE C_P

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1870	.1768	-.0669	-.7690	-.5203	-.3495	-.2250	-.1770	-.1232	.0117	.0883	-.3348	-.1515	.0420	-.0553
45.000		.1610	-.0487	-.7759	-.6306	-.2585							-.0738	.0206	-.0269
90.000		.2322	-.0202	-.7589	-.3943	-.3699	-.4495	-.4802	-.3144	-.1786	.0872	-.3587	-.0267	.1131	.1391
135.000		.4673	.1257	-.6698	-.1235	-.1949							-.0112	.1972	.2381
180.000	1.1870	.6915	.2769	-.5255	.0839	.0341	-.1675	-.2696	-.1683	.0566	.0548	-.4312	-.1788	.0012	.0333
225.000		.6594	.3786	-.2149	.1196	.1338	-.0741						-.2717	-.2589	-.2236
270.000		.3150	.6131		-.6789	-.5432	-.1562	-.1195			.2655	-.3823	-.3116	-.2668	-.2375
315.000		.1410	-.2917	-.6839	-.6837	-.3802	-.1101						-.2956	-.1368	-.1898

X/LS .9360

PHI	
.000	-.1437
45.000	-.1074
90.000	.0723
135.000	.1555
180.000	-.0034
225.000	-.2017
270.000	-.2478
315.000	-.1925

ARC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1338)

ALPHAT(1) = -8.570 BETAT (4) = 4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.1490	.1631	-.0640	-.7617	-.5014	-.3386	-.1681	-.1153	-.0875	.0069	.1715	-.2768	-.1322	.2328	.1956
45.000		.1558	-.0451	-.7680	-.6293	-.2223							-.0811	.1081	.0166
90.000		1693	-.0685	-.7783	-.4153	-.4250	-.4668	-.4197	-.1986	-.0965	.0831	-.2977	-.0776	.0315	.0304
135.000		.3863	.0497	-.6941	-.2512	-.3368							-.1530	-.0270	.0148
180.000	1.1490	.6773	.2615	-.5182	.0140	-.0547	-.2471	-.3856	-.1970	-.0035	-.0298	-.3666	-.2819	-.2071	-.1651
225.000		.6756	.4218	.0718	.1364	.1034	-.0874						-.3039	-.2513	-.2087
270.000		.2740	.5891		-.6905	-.5582	-.1662	-.1274			.1507	-.3535	-.2722	-.2473	-.2612
315.000		.1039	-.2861	-.6391	-.6852	-.5687	-.1497						-.2665	-.1021	-.1524

X/LS	.9580
PHI	
.000	.1399
45.000	-.0699
90.000	-.0392
135.000	-.0331
180.000	-.1816
225.000	-.2115
270.000	-.2785
315.000	-.1603

ALPHAT(1) = -8.600 BETAT (5) = 8.200

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.1240	.1263	-.0561	-.7617	-.4779	-.3253	-.1360	-.0928	-.0753	.0557	.1851	-.2857	-.0830	.2817	.2652
45.000		.1279	-.0503	-.7693	-.6254	-.2086							-.0578	.2470	.1115
90.000		.1104	-.1096	-.8025	-.4550	-.4402	-.4206	-.3789	-.2217	-.0168	.0560	-.2999	-.0980	.0867	-.0029
135.000		.3129	-.0263	-.7237	-.3522	-.4755							-.1697	-.0781	-.0917
180.000	1.1240	.6761	.2452	-.4647	-.0300	-.1407	-.2987	-.4701	-.2115	-.0333	-.0581	-.3753	-.2784	-.2119	-.2240
225.000		.6913	.4696	.1908	.1638	.0821	-.1100						-.3156	-.2511	-.2372
270.000		.2192	.5842		-.6773	-.5731	-.1934	-.1387			-.0332	-.3913	-.2549	-.2343	-.2409
315.000		.0817	-.2895	-.5677	-.6820	-.5634	-.1913						-.2161	-.0425	-.0992

X/LS	.9580
PHI	
.000	.1882
45.000	.0113
90.000	-.0747
135.000	-.1507
180.000	-.2512

ARC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1338)

ALPHAT(1) = -8.000 BETAT (5) = 8.200

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2809
270.000	-.2641
315.000	-.1139

ALPHAT(2) = -4.450 BETAT (1) = -8.170

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2850	.2992	-.0033	-.7508	-.5298	-.3074	-.1898	-.1017	-.1090	.0048	.2194	-.2559	-.1913	-.0590	-.1983
45.000		.3373	.0535	-.7242	-.5187	-.1441							-.0963	.1040	.0752
90.000		.4631	.1624	-.6631	-.3917	-.0578	-.1440	-.1795	-.1747	-.0135	.1787	-.2766	.0446	.3287	.3386
135.000		.5494	.2333	-.6346	-.3375	.1064							.1095	.4524	.4266
180.000	1.2850	.5557	.2101	-.6531	-.2166	.1927	.0758	-.0925	-.1012	.1899	.3754	-.3685	.0324	.2505	.2135
225.000		.5376	.2343	-.5674	-.4997	.2081	.0833						-.2795	-.1422	-.2616
270.000		.4547	.7801		-.6027	-.5507	-.1537	-.0554			.3556	-.3818	-.3358	-.3094	-.2929
315.000		.3276	-.0731	-.7540	-.6051	-.5510	-.0296						-.3340	-.2660	-.3019

X/LS .9580

PHI	
.000	-.2737
45.000	-.0117
90.000	.2206
135.000	.2698
180.000	.0909
225.000	-.2756
270.000	-.2703
315.000	-.3045

ALPHAT(2) = -4.430 BETAT (2) = -4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2740	.2948	.0034	-.7380	-.5043	-.3001	-.1541	-.1050	-.1018	.0109	.1834	-.2739	-.1475	-.0024	-.0901
45.000		.3149	.0447	-.7298	-.5465	-.1282							-.0854	.1145	.0985
90.000		.4048	.1134	-.6936	-.4515	-.1063	-.1930	-.2192	-.1940	-.0173	.1613	-.2933	.0144	.2730	.2937
135.000		.5105	.1936	-.6614	-.3601	.0175							.0693	.3496	.3605
180.000	1.2740	.5096	.2090	-.6432	-.1591	.1226	-.0200	-.1578	-.1612	.1439	.3050	-.3603	-.0238	.1799	.1457
225.000		.5087	.2537	-.5426	-.4200	.1482	.0020						-.2752	-.1678	-.2181

ARC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1S38)

ALPHAT (2) = -4.430 BETAT (2) = -4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4621	.7605		-.5962	-.5697	-.1534	-.0740			.3457	-.3689	-.3106	-.2729	-.2452
315.000		.3221	-.0763	-.7578	-.5946	-.5577	-.0651						-.2739	-.1404	-.2051

X/LS	.9580
PHI	
.000	-.1758
45.000	.0219
90.000	.1852
135.000	.2432
180.000	.0717
225.000	-.2244
270.000	-.2141
315.000	-.2581

ALPHAT(2) = -4.430 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2510	.2851	.0174	-.7366	-.4887	-.2909	-.1158	-.0830	-.0845	.0245	.1803	-.2635	-.1278	.0777	-.0113
45.000		.2909	.0380	-.7302	-.5619	-.1132							-.0498	.0967	.0894
90.000		.3456	.0719	-.7142	-.4955	-.1345	-.2180	-.2415	-.1881	-.0104	.1730	-.2779	-.0045	.1976	.2144
135.000		.4565	.1445	-.6794	-.3400	-.0821							.0128	.2347	.2532
180.000	1.2510	.5639	.2181	-.6123	-.1371	.0437	-.1135	-.2255	-.1632	.0965	.1899	-.3753	-.1244	.0610	.0504
225.000		.5345	.2932	-.4924	-.3124	.0097	-.0718						-.2627	-.2308	-.2042
270.000		.4611	.7475		-.6014	-.3619	-.1462	-.0872			.2825	-.3606	-.3030	-.2691	-.2525
315.000		.3119	-.0740	-.7505	-.6020	-.5519	-.1109						-.2653	-.1180	-.2107

X/LS	.9580
PHI	
.000	-.0996
45.000	.0130
90.000	.1307
135.000	.1642
180.000	-.0118
225.000	-.1929
270.000	-.2549
315.000	-.2197

ARC11-716 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1538)

ALPHAT(2) = -4.490 BETAT (4) = 4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.5030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2150	.2332	.0190	-.7356	-.5459	-.2005	-.0841	-.0536	-.0699	.0300	.2264	-.2404	-.0986	.1924	.1712
45.000		.2394	.0268	-.7364	-.5723	-.1163							-.0423	.2666	.1275
90.000		.2605	.0554	-.7359	-.5319	-.1660	-.1790	-.2181	-.1272	.0023	.1705	-.2648	-.0150	.1002	.0806
135.000		.3499	.0952	-.7068	-.2609	-.1965							-.0572	.0840	.0788
180.000	1.2150	.4881	.2295	-.5852	-.0243	-.0429	-.1656	-.2877	-.1138	.0258	.0707	-.3485	-.1929	-.0741	-.0925
225.000		.4970	.3220	-.4535	.0145	.0483	-.0917						-.2645	-.2169	-.1727
270.000		.3024	.7577		-.6868	-.5886	-.1519	-.1083			.2076	-.3351	-.2464	-.2251	-.2154
315.000		.2274	-.0272	-.7272	-.6427	-.4107	-.1267						-.2307	-.0923	-.1458

X/LS	.9580
PHI	
.000	.1119
45.000	.0341
90.000	-.0024
135.000	.0216
180.000	-.1379
225.000	-.1864
270.000	-.2452
315.000	-.1640

ALPHAT(2) = -4.490 BETAT (5) = 8.180

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2080	.1145	.0200	-.7368	-.4448	-.0899	-.0567	-.0514	-.0792	.0372	.2078	-.2438	-.0473	.2380	.2460
45.000		.1578	.0098	-.7370	-.5997	-.0769							-.0095	.3485	.2810
90.000		.1745	.0038	-.7536	-.5199	-.1571	-.1825	-.2213	-.1655	.0397	.1367	-.2611	-.0391	.1649	.0606
135.000		.2461	.0563	-.7273	-.2843	-.3254							-.1084	.0166	-.0218
180.000	1.2080	.4019	.2547	-.5381	-.0345	-.1164	-.2438	-.3434	-.1309	.0197	.0049	-.3269	-.2348	-.1604	-.1819
225.000		.5955	.3205	.0087	.0955	.0006	-.1476						-.2773	-.2249	-.2043
270.000		.1343	.7074		-.6548	-.5971	-.1775	-.1277			.1279	-.3463	-.2897	-.2583	-.2341
315.000		.0659	-.0142	-.7033	-.5536	-.2215	-.1044						-.2173	-.0698	-.1069

X/LS	.9580
PHI	
.000	.1647
45.000	.1772
90.000	-.0161
135.000	-.0943
180.000	-.2267

-FOR THE DATA SET A*T12+S12N25+A*T11 SRM BOOSTER (RB1538)

ALPHAT (2) = -4.450 BETAT (5) = -9.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2283
270.000	-.2457
315.000	-.0985

ALPHAT (3) = -.540 BETAT (1) = -8.170

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2990	.3952	.0722	-.7165	-.4957	-.2435	-.0948	-.0672	-.0347	.0746	.2718	-.2587	-.2109	-.0057	-.0816
45.000		.4381	.1241	-.6819	-.4506	-.1400							-.1619	.2114	.2090
90.000		.4903	.1927	-.6488	-.3792	.0102	.0498	-.0415	-.0502	.1160	.2943	-.1643	-.0290	.3568	.3708
135.000		.4764	.1720	-.6651	-.4119	.1124							.0661	.3886	.3905
180.000	1.2990	.4428	.1301	-.6987	-.4230	.1231	.1182	-.0479	-.0562	.2376	.4200	-.3406	.0186	.2209	.1910
225.000		.4560	.1324	-.6422	-.4001	-.0557	.1333						-.2643	-.1325	-.2398
270.000		.4891	.9294		-.5623	-.6060	-.1812	-.0583			.3752	-.3689	-.3249	-.2973	-.2781
315.000		.4253	.0620	-.6711	-.4925	-.4194	-.0377						-.3089	-.2148	-.2865

X/LS .9580

PHI	
.000	-.1535
45.000	.1122
90.000	.2543
135.000	.2574
180.000	.0703
225.000	-.2671
270.000	-.2576
315.000	-.2920

ALPHAT (3) = -.530 BETAT (2) = -4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2890	.3860	.0772	-.7100	-.4709	-.2591	-.0672	-.0509	-.0367	.0682	.2619	-.2457	-.1739	.0315	-.0197
45.000		.4004	.1091	-.6931	-.4825	-.1093							-.0905	.2031	.2048
90.000		.4317	.1448	-.6757	-.4416	.0028	.0096	-.0758	-.0798	.1008	.2873	-.1844	-.0053	.2971	.3177
135.000		.4440	.1550	-.6781	-.4408	.0605							.0653	.3263	.3297
180.000	1.2890	.4468	.1414	-.6881	-.3744	.1743	.054	.0068	-.1094	.1964	.3661	-.3330	.0066	.1966	.1467
225.000		.4747	.1498	-.6267	-.4183	-.0507	.0620						-.2535	-.1292	-.1955

ARC11-718 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1338)

ALPHAT(3) = -.930 BETAT (2) = -4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.9008	.8170		-.3336	-.5902	-.1930	-.0758			.3734	-.3448	-.3020	-.2383	-.2745
315.000		.4303	.0677	-.6852	-.4780	-.4167	-.0914						-.2826	-.2030	-.2400

X/LS	.9580
PHI	
.000	-.0702
45.000	.1207
90.000	.2120
135.000	.2109
180.000	.0659
225.000	-.2179
270.000	-.2140
315.000	-.2579

ALPHAT(3) = -.520 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2700	.3735	.0761	-.7092	-.4416	-.2831	-.0526	-.0303	-.0475	.0522	.2332	-.2508	-.1355	.0731	.0681
45.000		.3612	.0963	-.7018	-.5098	-.0972							-.0418	.1595	.1809
90.000		.3753	.1074	-.6992	-.4908	-.0143	-.0358	-.0853	-.1000	.0858	.2572	-.2081	-.0145	.2315	.2426
135.000		.4066	.1291	-.6931	-.4653	-.0180							.0228	.2370	.2343
180.000	1.2700	.4441	.1452	-.6839	-.3289	-.0235	-.0479	-.1566	-.1215	.1348	.2757	-.3353	-.0604	.1246	.0755
225.000		.4892	.1719	-.6054	-.3758	-.0668	-.0264						-.2494	-.1953	-.1953
270.000		.5090	.8090		-.5337	-.5494	-.1890	-.0874			.3178	-.3505	-.3057	-.2679	-.2446
315.000		.4311	.0746	-.6570	-.4674	-.4180	-.1103						-.2659	-.1672	-.2152

X/LS	.9580
PHI	
.000	.0191
45.000	.1013
90.000	.1508
135.000	.1375
180.000	-.0062
225.000	-.1821
270.000	-.2409
315.000	-.2275

AP011-716 IA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1338)

ALPHAT (3) = -.920 BETAT (4) = 4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2480	.3471	.0726	-.7113	-.4295	-.3010	-.0385	-.0162	-.0504	.0384	.2145	-.2255	-.0729	.1800	.1679
45.000		.3194	.0700	-.7193	-.5315	-.0904							-.0057	.2474	.2034
90.000		.3218	.0663	-.7227	-.5320	-.0154	-.0461	-.0856	-.0953	.0660	.1993	-.2192	.0060	.2722	.1763
135.000		.3532	.0935	-.7164	-.4794	-.0540							-.0110	.1481	.1055
180.000	1.2480	.4190	.1407	-.6931	-.2955	-.0339	-.0874	-.2174	-.0819	.0778	.1412	-.3237	-.1081	.0408	-.0399
225.000		.4442	.1958	-.5806	-.3395	.0299	-.0461						-.2215	-.1838	-.1575
270.000		.4860	.7978		-.6011	-.3594	-.0958	-.0780			.2715	-.3172	-.2530	-.2257	-.2051
315.000		.4095	.0917	-.6435	-.4586	-.3949	-.0501						-.2265	-.0976	-.1274

X/LS	.9580
PHI	
.000	.1095
45.000	.1098
90.000	.0832
135.000	.0146
180.000	-.1258
225.000	-.1648
270.000	-.2167
315.000	-.1329

ALPHAT (3) = -.930 BETAT (5) = 8.180

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	[illegible]	.9380
PHI															
.000	1.2100	.3549	.0802	-.7046	-.4070	-.3450	-.0132	-.0275	-.0760	.0722	.2271	-.2267	-.05[illegible]	[illegible]	[illegible]
45.000		.2919	.0341	-.7275	-.5339	-.0977							.0[illegible]	[illegible]	5
90.000		.2851	.0339	-.7325	-.5541	-.0223	-.0413	-.1062	-.0765	.0933	.1796	-.2086	.0[illegible]	[illegible]	[illegible]
135.000		.3060	.0608	-.7275	-.4703	-.1225							-.07[illegible]	.1164	.0269
180.000	1.2100	.3847	.1518	-.6590	-.1792	-.0924	-.1160	-.2373	-.0684	.0662	.0802	-.2983	-.1697	[illegible]	-.1348
225.000		.4581	.2199	-.5483	-.1117	.0196	-.0940						-.2460	-.1841	-.1688
270.000		.4623	.8427		-.5557	-.4183	-.1210	-.1025			.2540	-.3339	-.2649	-.2228	-.2116
315.000		.4104	.1111	-.6044	-.4328	-.3441	-.0366						-.2182	-.0614	-.1023

X/LS	.9580
PHI	
.000	.1645
45.000	.1165
90.000	.0693
135.000	-.0584
180.000	-.1993

ARC11-716 IA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1338)

ALPHAT(3) = -.330 BETAT (5) = 8.180

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9360

PHI	
225.000	-.1987
270.000	-.2245
315.000	-.0926

ALPHAT (4) = 3.950 BETAT (1) = -8.200

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1190	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9360
PHI															
.000	1.2790	.5094	.1419	-.6604	-.3409	-.1327	-.0010	.0081	.0195	.1208	.3221	-.2041	-.2419	.1079	.0707
45.000		.5214	.1972	-.6475	-.3928	-.1164							-.1831	.3279	.3192
90.000		.4577	.1910	-.6604	-.4007	-.0971	.0849	.0433	.0073	.1842	.3709	-.0657	-.1978	.3559	.3556
135.000		.3479	.0228	-.7160	-.5095	-.0900							-.1112	.2464	.2873
180.000	1.2790	.3054	.1394	-.7476	-.2900	-.2748	.1256	.0049	-.0228	.2920	.4284	-.3120	-.0204	.1414	.1378
225.000		.3300	.0218	-.6720	-.3301	-.2056	.1903						-.2501	-.1273	-.2042
270.000		.4446	.1962		-.3385	-.2735	-.1979	-.1545			.2784	-.3606	-.3183	-.2916	-.2464
315.000		.4959	.1598	-.5934	-.2779	-.2455	-.0725						-.2905	-.1705	-.2845

X/LS .9580

PHI	
.000	-.0085
45.000	.2193
90.000	.2543
135.000	.1896
180.000	.0146
225.000	-.2208
270.000	-.2592
315.000	-.2955

ALPHAT (4) = 3.980 BETAT (2) = -4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9360
PHI															
.000	1.2790	.5000	.1457	-.6733	-.2995	-.2046	-.0910	.0095	.0055	.0873	.2737	-.2073	-.1508	.1355	.1119
45.000		.4658	.1464	-.6667	-.4151	-.1568							-.0851	.2830	.2752
90.000		.3949	.1260	-.6870	-.4571	-.0610	.0270	.0045	-.0366	.1494	.3244	-.1127	-.0592	.2594	.2614
135.000		.3259	.0858	-.7192	-.5305	-.0774							-.0010	.1993	.2069
180.000	1.2790	.3053	.0457	-.7261	-.2961	-.2345	.0735	-.0403	-.0618	.2334	.3685	-.3016	-.0044	.1967	.1522
225.000		.3323	-.0078	-.6337	-.3465	-.1908	.1507						-.2199	-.0901	-.1594

A?C11-716 IA14 OH+712+512'25+AT11 SRM BOOSTER (RB1538)

ALPHA(4) = 3.980 BETA (2) = -4.110

SECTION 1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.4409	789.		-.3693	-.4957	-.0106	-.0728			.3234	-.3434	-.2927	-.2540	-.2174
315.000		.5097	.1814	-.5772	-.2977	-.3650	-.0134						-.2570	-.1339	-.1018

X/LS	.9580
PHI	
.000	.0512
45.000	.1095
90.000	.1712
135.000	.0945
180.000	.0371
225.000	-.1800
270.000	-.2058
315.000	-.2174

ALPHA(4) = 3.980 BETA (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2570	.4862	.1445	-.6645	-.3019	-.2156	-.0491	-.0023	-.0072	.0532	.2505	-.2027	-.1154	.1795	.1798
45.000		.4095	.1129	-.6870	-.4482	-.2056							-.0567	.2534	.2377
90.000		.3382	.0921	-.7057	-.5037	-.0757	.0126	-.0261	-.0756	.1199	.2685	-.1542	-.0292	.1769	.1621
135.000		.3016	.0799	-.7181	-.5385	-.0670							-.0156	.2520	.1884
180.000	1.2570	.3097	.0650	-.7265	-.5200	-.1933	.0465	-.0892	-.0560	.1810	.2904	-.2962	-.0586	.1207	.0626
225.000		.3451	.0105	-.6967	-.4239	-.4500	.0932						-.2249	-.1390	-.1624
270.000		.4606	.7823		-.4638	-.5091	-.0033	-.0887			.3394	-.3339	-.2978	-.2432	-.2040
315.000		.5190	.1909	-.5456	-.3405	-.2955	-.0541						-.2425	-.0987	-.1490

X/LS	.9580
PHI	
.000	.1189
45.000	.1574
90.000	.0782
135.000	.0845
180.000	-.1145
225.000	-.1742
270.000	-.2026
315.000	-.1997

ARC11-716 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (R81338)

ALPHAT(4) = 3.950 BETAT (4) = 4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2280	.4658	.1440	-.6625	-.3091	-.2324	-.0728	.0038	-.0447	.0247	.2149	-.2010	-.0865	.2606	.2505
45.000		.3515	.0689	-.7073	-.4700	-.2598							-.0194	.2350	.2063
90.000		.2877	.0553	-.7273	-.5418	-.0715	.0020	-.0311	-.0897	.0837	.2228	-.1866	.0020	.1816	.1219
135.000		.2734	.0572	-.7170	-.5534	-.0391							-.0050	.2230	.1508
180.000	1.2280	.2762	.0678	-.7260	-.3800	-.1194	-.0035	-.1148	-.0387	.1228	.1844	-.2927	-.0843	.0570	-.0210
225.000		.3071	.0330	-.6883	-.5139	-.2494	-.0022						-.2078	-.1498	-.1408
270.000		.4130	.7748		-.5941	-.3934	-.1524	-.0670			.3031	-.3084	-.2277	-.1917	-.1654
315.000		.5030	.2201	-.4997	-.4237	-.1503	-.0841						-.2052	-.0807	-.0793

X/LS	.9580
PHI	
.000	.1974
45.000	.1189
90.000	.0221
135.000	.0634
180.000	-.1034
225.000	-.1678
270.000	-.1912
315.000	-.0896

ALPHAT(4) = 3.950 BETAT (5) = 9.230

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1950	.4397	.1307	-.6451	-.3114	-.2657	-.0511	-.0189	-.0696	.0589	.1894	-.2305	-.0576	.2528	.2607
45.000		.2877	.0254	-.7279	-.4834	-.2783							-.0022	.2250	.1632
90.000		.2476	.0241	-.7393	-.5617	-.0513	-.0022	-.0693	-.1026	.0867	.2136	-.1873	.0119	.1989	.1039
135.000		.2508	.0433	-.7306	-.5483	-.0365							-.0312	.1937	.1052
180.000	1.1950	.2606	.0722	-.7151	-.3699	-.1471	-.0487	-.1475	-.0293	.1049	.1576	-.2888	-.1085	.0282	-.0683
225.000		.3068	.0683	-.6569	-.4747	-.1903	-.0691						-.2105	-.1481	-.1460
270.000		.4192	.7651		-.6137	-.2316	-.1442	-.0811			.3152	-.3173	-.2366	-.1933	-.1656
315.000		.5189	.2314	-.4750	-.3546	-.0969	-.0621						-.2052	-.0657	-.0053

X/LS	.9580
PHI	
.000	.1899
45.000	.0630
90.000	-.0087
135.000	.0191
180.000	-.1514

AP211-716 IA14 01+T12-S12N25+AT11 SRM BOOSTER (RB1338)

ALPHAT(4) = 3.980 BETAT (5) = 8.230

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1855
270.000	-.2018
315.000	.0238

ALPHAT(5) = 7.990 BETAT (1) = -8.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2310	.6166	.2154	-.6314	-.1969	-.0994	.0141	.0620	.0670	.1565	.3118	-.1703	-.1929	.2248	.1875
45.000		.5654	.2135	-.6180	-.3212	-.1124							-.1168	.4062	.3690
90.000		.3793	.1059	-.6839	-.4272	-.1425	-.0666	.0075	-.0082	.1792	.3476	-.0299	-.1975	.3027	.2473
135.000		.2143	-.0221	-.7755	-.3185	-.1760							-.3123	.1547	.1068
180.000	1.2310	.2005	-.0596	-.5795	-.3705	-.2970	-.0037	.0200	.0263	.2330	.2958	-.2963	-.1193	.0744	.0138
225.000		.1989	-.2169	-.4146	-.2934	-.4017	.0214						-.2133	-.0350	-.0901
270.000		.3415	.7048		-.2826	-.3951	-.0414	.0315			.2958	-.3528	-.3118	-.2562	-.2091
315.000		.5452	.2595	-.5370	-.2446	-.2248	.0109						-.2574	-.0922	-.1928

X/LS .9580

PHI	
.000	.1013
45.000	.2742
90.000	.1762
135.000	.0195
180.000	-.0931
225.000	-.1371
270.000	-.2002
315.000	-.2139

ALPHAT(5) = 8.000 BETAT (2) = -4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2170	.6151	.2121	-.6212	-.1842	-.0997	-.0225	.0173	.0259	.1003	.2596	-.1722	-.1410	.2604	.2397
45.000		.4995	.1748	-.6441	-.3733	-.1764							-.0831	.3546	.3305
90.000		.3015	.0653	-.7158	-.4990	-.2028	-.0963	-.0518	-.1001	.1298	.3095	-.0831	-.1225	.2202	.1664
135.000		.1852	-.0025	-.7649	-.5708	-.1659							-.1296	.1299	.0696
180.000	1.2170	.1834	-.0293	-.7340	-.5617	-.3032	-.0042	-.0303	-.0426	.1792	.3118	-.2658	-.0375	.2306	.1020
225.000		.1701	-.1947	-.5642	-.3704	-.4996	.0073						-.1912	-.0481	-.1118

ARC11-716 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1338)

ALPHAT(5) = 8.000 BETAT (2) = -4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3333	.6791		-.3725	-.3733	-.0656	-.0521			.2596	-.5308	-.2873	-.2511	-.1870
315.000		.5656	.2848	-.5231	-.2924	-.0987	-.0149						-.2554	-.0844	-.1391

X/LS	.9580
PHI	
.000	.1664
45.000	.2394
90.000	.0929
135.000	-.0255
180.000	.0105
225.000	-.1409
270.000	-.1994
315.000	-.1504

ALPHAT(5) = 8.020 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2010	.6054	.2030	-.6127	-.2043	-.1372	-.0619	-.0010	-.0167	.0359	.2185	-.1856	-.0937	.3340	.3145
45.000		.4240	.1193	-.6766	-.3874	-.2590							-.0619	.3298	.2827
90.000		.2384	.0207	-.7429	-.5361	-.2370	-.0885	-.0742	-.1552	.1164	.2583	-.1341	-.0671	.1698	.1022
135.000		.1806	-.0015	-.7617	-.6140	-.1430							-.0589	.1394	.0704
180.000	1.2010	.1877	-.0206	-.7540	-.3829	-.2587	.0107	-.0492	-.0358	.1676	.2753	-.2741	-.0369	.2060	.0936
225.000		.1666	-.1886	-.5770	-.4669	-.4949	.0057						-.2000	-.0905	-.1197
270.000		.3340	.6482		-.4598	-.2516	-.0677	-.0761			.2606	-.3242	-.2696	-.2090	-.1515
315.000		.5968	.3008	-.5044	-.2883	-.0661	-.0223						-.2073	-.0433	-.0612

X/LS	.9580
PHI	
.000	.2426
45.000	.1926
90.000	.0194
135.000	-.0359
180.000	.0162
225.000	-.1510
270.000	-.1576
315.000	-.0683

ARC11-718 TA14 01+T12+312N25+AT11 SRM BOOSTER (RB1838)

ALPHAT(5) = 8.000 BETAT (4) = 4.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1750	.5950	.1867	-.5970	-.2078	-.2129	-.1011	-.0136	-.0484	-.0013	.2176	-.2102	-.0911	.3485	.3513
45.000		.3561	.0425	-.7080	-.3454	-.3542							-.0442	.2817	.2132
90.000		.1878	-.0110	-.7602	-.5645	-.1781	-.0864	-.0438	-.1277	.0934	.2372	-.1680	-.0385	.1402	.0821
135.000		.1790	-.0024	-.7538	-.5948	-.1080							-.0453	.1443	.0584
180.000	1.1750	.1871	-.0034	-.7536	-.3626	-.2640	.0173	-.0482	-.0141	.1432	.1821	-.2792	-.0988	.0894	.0058
225.000		.1616	-.1684	-.5622	-.4177	-.4487	.0108						-.1974	-.1348	-.1330
270.000		.3450	.6500		-.4251	-.3734	-.0 3	-.0220			.3126	-.2934	-.2137	-.1682	-.1512
315.000		.6172	.3169	-.3945	-.1783	-.1436	-.0311						-.1846	-.0272	-.0181

X/LS	.9580
PHI	
.000	.2814
45.000	.1248
90.000	-.0410
135.000	-.0399
180.000	-.0549
225.000	-.1583
270.000	-.1707
315.000	.0146

ALPHAT(5) = 7.960 BETAT (5) = 8.300

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1520	.5466	.1946	-.5749	-.1920	-.2462	-.2165	-.0158	-.0744	-.0093	.1881	-.2353	-.0741	.3629	.4095
45.000		.2618	-.0217	-.7392	-.3971	-.4497							-.0103	.2412	.1564
90.000		.1363	-.0425	-.7708	-.5780	-.1647	-.0767	-.0968	-.1408	.0579	.2245	-.1846	-.0205	.1423	.0455
135.000		.1560	-.0007	-.7474	-.5985	-.0695							-.0422	.1361	.0736
180.000	1.1520	.1391	.0071	-.7426	-.3614	-.1847	.0094	-.0854	-.0273	.1264	.1764	-.2891	-.1177	.0351	-.0405
225.000		.1042	-.1144	-.5373	-.4786	-.3543	-.0130						-.2047	-.1347	-.1218
270.000		.2555	.6443		-.4744	-.4648	-.0574	-.0569			.3408	-.2967	-.2024	-.1557	-.1487
315.000		.5935	.3431	-.2609	-.1339	-.1345	-.0835						-.1574	.0315	.1255

X/LS	.9580
PHI	
.000	.3183
45.000	.0562
90.000	-.0620
135.000	-.0198
180.000	-.1147

ARC11-716 IA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1338)

ALPHAT(5) = 7.980 BETAT (5) = 8.300

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1738
270.000	-.1900
315.000	.2055

AP011-716 1A14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1339) (14 FEB 74)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.150 ELEVON = .000
RUDDER = .000 SPDBRK = .000

ALPHAT(1) = -8.670 BETAT (1) = -8.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3030	.2488	.0103	-.6120	-.5036	-.3755	-.3937	-.2958	-.4696	-.0799	.1485	-.2558	-.2376	-.0173	-.1583
45.000		.2555	.0456	-.6068	-.4745	-.3233							-.1672	-.0831	-.0097
90.000		.4193	.1862	-.5292	-.3160	-.1118	-.2698	-.3843	-.3163	-.1574	.0593	-.3252	-.1220	.0804	.3595
135.000		.6191	.3414	-.4534	-.1753	.1360							.0074	.2440	.5786
180.000	1.3030	.6915	.3652	-.4263	.0454	.2880	.1341	-.0270	-.0834	.2189	.3529	-.3569	-.0701	.1498	.3848
225.000		.6248	.4119	-.3523	-.3012	.3151	.1559						-.3123	-.2195	-.2663
270.000		.4077	.7627		-.6008	-.3517	-.2338	-.0386			.3146	-.3693	-.3300	-.3139	-.3055
315.000		.2495	-.1550	-.6833	-.6033	-.5717	-.1107						-.3420	-.2971	-.3163

X/LS	.9580
PHI	
.000	-.2573
45.000	-.0499
90.000	.2627
135.000	.4087
180.000	.2038
225.000	-.2884
270.000	-.2724
315.000	-.2922

ALPHAT(1) = -8.640 BETAT (2) = -4.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2850	.2124	-.0242	-.6176	-.4731	-.3032	-.2897	-.1738	-.3084	-.0868	.0935	-.2664	-.2094	.0226	-.0621
45.000		.2039	.0072	-.6188	-.5012	-.2305							-.1228	-.0229	.0054
90.000		.3299	.1032	-.5698	-.4031	-.2229	-.3506	-.4793	-.2791	-.1654	.1079	-.2956	-.1336	.0996	.3184
135.000		.5486	.2696	-.4934	-.0932	.0060							-.0400	.2666	.4823
180.000	1.2850	.6983	.3488	-.4077	.1963	.2024	.0297	-.1348	-.1404	.1540	.2250	-.3483	-.1154	.1457	.2486
225.000		.6207	.4194	-.3132	-.0194	.2571	.0799						-.2945	-.2061	-.2442
270.000		.3644	.6984		-.5703	-.3306	-.1598	-.0465			.3610	-.3533	-.3402	-.2884	-.3053
315.000		.1905	-.2054	-.6374	-.5693	-.5478	-.0683						-.3238	-.1296	-.2469

X/LS	.9580

ARC11-716 TA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1939)

ALPHAT(1) = -8.640 BETAT (2) = -4.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
.000	-.1911
45.000	-.0775
90.000	.1785
135.000	.3019
180.000	.1283
225.000	-.2598
270.000	-.2599
315.000	-.2464

ALPHAT(1) = -8.620 BETAT (3) = -.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0840	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2630	.1234	.0104	-.6161	-.4506	-.3051	-.1845	-.1427	-.0949	.0444	.1506	-.2685	-.2082	.0883	-.0271
45.000		.1549	.0195	-.6237	-.5230	-.2397							-.1121	.0427	.0007
90.000		.2244	.0684	-.6019	-.4282	-.2962	-.3982	-.5106	-.3310	-.1047	.1122	-.2475	-.0472	.1139	.1882
135.000		.4459	.2151	-.5293	-.0935	-.1040							-.0083	.2127	.3183
180.000	1.2630	.6336	.3597	-.3907	.1110	.1205	-.0831	-.1940	-.2347	.1093	.0773	-.3624	-.1252	.0549	.0967
225.000		.5908	.4519	-.2166	-.0146	.2199	-.0067						-.2370	-.2160	-.1886
270.000		.2599	.7077		-.6122	-.4040	-.1174	-.0877			.3163	-.3496	-.2785	-.2456	-.2323
315.000		.0963	-.2254	-.6388	-.6162	-.5247	-.1006						-.2557	-.0766	-.1410

X/LS .9580

PHI	
.000	-.0999
45.000	-.0713
90.000	.1389
135.000	.2500
180.000	.0704
225.000	-.1734
270.000	-.2441
315.000	-.1450

ARC11-716 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1539)

ALPHAT(1) = -8.640 BETAT (4) = 4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2220	.0204	-.0144	-.6153	-.4168	-.2825	-.0983	-.0785	-.0315	-.0044	.2282	-.2561	-.2498	.2359	.2077
													-.1783	.1387	.0316
45.000		.0739	.0215	-.6126	-.5128	-.2031							-.1125	.0210	.0351
90.000		.1359	.0190	-.6254	-.4058	-.3473	-.3840	-.3659	-.2473	-.0890	.1021	-.3008	-.1715	-.0273	.0515
135.000		.3273	.1322	-.5605	-.1621	-.2445							-.2782	-.1933	-.1315
180.000	1.2220	.5702	.3512	-.3645	.1079	.0395	-.1529	-.2543	-.2491	-.0139	-.0002	-.3431	-.2782	-.2254	-.1930
225.000		.5507	.4701	.0790	.2324	.1751	-.0418								
270.000		.1324	.7013		-.6015	-.4203	-.1004	-.0758			.2155	-.3396	-.2512	-.2360	-.2378
315.000		-.0674	-.1888	-.5653	-.6146	-.4914	-.1069						-.2517	-.1023	-.1199

X/LS	.9580
PHI	
.000	.1630
45.000	-.0305
90.000	-.0179
135.000	.0209
180.000	-.1415
225.000	-.1975
270.000	-.2575
315.000	-.1133

ALPHAT(1) = -8.670 BETAT (5) = 8.210

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2090	-.0518	.0085	-.6020	-.3757	-.2020	-.0869	-.0426	-.0608	-.0009	.2265	-.2904	-.2324	.2607	.3423
													-.2338	.2317	.1717
45.000		.0418	.0246	-.6075	-.5003	-.1554							-.1445	.0980	-.0072
90.000		.0907	-.0123	-.6381	-.3826	-.3997	-.3380	-.3604	-.2946	-.0580	.0769	-.2874	-.1885	-.1061	-.1086
135.000		.2374	.0650	-.5825	-.2333	-.3546							-.2782	-.2286	-.2158
180.000	1.2090	.5195	.3995	-.3396	.1173	-.0057	-.2063	-.3439	-.3162	-.0193	-.0412	-.3405	-.2857	-.2321	-.2151
225.000		.4921	.5067	.3429	.3062	.1617	-.0427						-.2859	-.2632	-.2458
270.000		-.0138	.6616		-.5713	-.4237	-.1442	-.1007			.0898	-.3525	-.2518	-.0487	-.0589
315.000		-.2017	-.1345	-.4579	-.5848	-.4260	-.1265								

X/LS	.9580
PHI	
.000	.2684
45.000	.0732
90.000	-.0528
135.000	-.1488
180.000	-.2246

ARC11-718 IA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1338)

ALPHAT(1) = -8.870 BETAT (5) = 8.210

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2221
270.000	-.2471
315.000	-.0389

ALPHAT(2) = -4.490 BETAT (1) = -8.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1190	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3430	.3303	.0940	-.5845	-.4698	-.3414	-.1612	-.0597	-.0657	-.0080	311	-.2138	-.2733	-.0412	-.1898
45.000		.3654	.1537	-.5574	-.4060	-.2331							-.3435	.0381	.1238
90.000		.4815	2539	-.5024	-.2932	-.0164	-.0796	-.1774	-.1334	.0465	.2261	-.2148	-.2842	.1598	.3627
135.000		.5610	.3059	-.4831	-.2575	.1776							-.1070	.2282	.3407
180.000	1.3430	.5643	.2875	-.5029	-.2095	.2895	.1452	-.0114	-.0457	.2243	.4256	-.3100	-.0760	.1434	.3741
225.000		.5478	.3178	-.4286	-.4878	.2905	.1561						-.2859	-.1905	-.2437
270.000		.4939	.4696		-.5611	-.4852	-.1772	-.0271			.3774	-.3315	-.3087	-.3021	-.2785
315.000		.3640	.0332	-.5951	-.5564	-.5054	-.0336						-.2989	-.2071	-.2687

X/LS .9580

PHI	
.000	-.1947
45.000	.0561
90.000	.2920
135.000	.3996
180.000	.2188
225.000	-.2617
270.000	-.2594
315.000	-.2724

ALPHAT(2) = -4.470 BETAT (2) = -4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3280	.2079	.0095	-.5731	-.4630	-.3292	-.1049	-.0930	-.0695	-.0175	.1969	-.1998	-.2078	.0230	-.0880
45.000		.2983	.1406	-.5624	-.4350	-.1981							-.2882	.0941	.1836
90.000		.3834	.2072	-.5295	-.3525	-.0754	-.1248	-.1506	-.1985	.0229	.2550	-.1925	-.2039	.1928	.3317
135.000		.4852	.2719	-.5027	-.2943	.0973							-.0314	.2883	.4582
180.000	1.3280	.5380	.2923	-.4954	-.1712	.2172	.0319	-.0802	-.1139	.1608	.3544	-.2937	-.0383	.1767	.2583
225.000		.5419	3334	-.4101	-.4469	2339	.0704						-.2178	-.1371	-.2105

ARC11-716 TA14 01+712+S12N25+AT11 SRM BOOSTER (RB1639)

ALPHAT(2) = -4.470 BETAT (2) = -4.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4690	.8467		-.5451	-.4817	-.1333	-.0640			.3850	-.3151	-.2795	-.2588	-.2374
315.000		.3272	.0138	-.6047	-.5463	-.5072	-.0629						-.2498	-.0946	-.1623

X/LS	.9580
PHI	
.000	-.1237
45.000	.0707
90.000	.2530
135.000	.3358
180.000	.1687
225.000	-.2183
270.000	-.2198
315.000	-.1833

ALPHAT(2) = -4.480 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3090	.2571	.0821	-.5751	-.4466	-.3205	-.0655	-.0852	-.0521	.0298	.2052	-.2165	-.1579	.0088	.0341
45.000		.2546	.1288	-.5701	-.4493	-.1500							-.1211	.1220	.1558
90.000		.3019	.1634	-.5565	-.4002	-.1057	-.1679	-.1727	-.2012	.0310	.2154	-.1874	-.0867	.1969	.2854
135.000		.4204	.2319	-.5278	-.3240	.0036							-.0202	.2517	.3725
180.000	1.3090	.5296	.2905	-.4924	-.1159	.1362	-.0555	-.1412	-.1865	.1380	.2022	-.3066	-.0944	.1125	.1381
225.000		.5615	.3567	-.3852	-.3685	.1967	-.0221						-.2193	-.1761	-.1691
270.000		.4539	.3316		-.5501	-.4437	-.1095	-.0857			.3258	-.3188	-.2720	-.2472	-.2154
315.000		.2984	.0097	-.6078	-.5489	-.4992	-.1086						-.2245	-.0548	-.1498

X/LS	.9580
PHI	
.000	-.0387
45.000	.0765
90.000	.2102
135.000	.2881
180.000	.1001
225.000	-.1591
270.000	-.2181
315.000	-.1491

ARC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1339)

ALPHAT (2) = -4.480 BETAT (4) = 4.170

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2790	.1795	.0974	-.3825	-.4562	-.2872	-.0185	-.0286	-.0191	.0033	.2613	-.2097	-.2097	.2084	.2120
45.000		.1831	.1064	-.5749	-.4535	-.1155							-.1877	.2727	.1488
90.000		.2047	.1101	-.5780	-.4413	-.1412	-.1021	-.1672	-.1307	-.0042	.1881	-.2055	-.0741	.1331	.1291
135.000		.3043	.1759	-.5603	-.3215	-.1306							-.0540	.1329	.1351
180.000	1.2790	.4551	.2758	-.4878	-.0906	.0295	-.1379	-.1795	-.1702	.0352	.0786	-.3066	-.1429	-.0126	-.0315
225.000		.4793	.3714	-.3286	-.2336	.1404	-.0655						-.2167	-.1858	-.1564
270.000		.3027	.8287		-.5788	-.4453	-.1119	-.0778			.2461	-.2964	-.2307	-.2132	-.2092
315.000		.1841	.0295	-.5863	-.5493	-.4218	-.1217						-.2072	-.0689	-.1041

X/LS	.9580
PHI	
.000	.1691
45.000	.0780
90.000	.0521
135.000	.0765
180.000	-.0895
225.000	-.1571
270.000	-.2152
315.000	-.0940

ALPHAT (2) = -4.480 BETAT (5) = 8.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2230	.0650	.0499	-.5730	-.4203	-.1835	-.0481	-.0297	-.0391	.0168	.2495	-.2368	-.1996	.2384	.2949
45.000		.1182	.0959	-.5635	-.4492	-.0733							-.1821	.3268	.2949
90.000		.1462	.0964	-.5874	-.4440	-.1451	-.1251	-.1781	-.1516	.0263	.1400	-.2256	-.0966	.1727	.0845
135.000		.2230	.1389	-.5730	-.2658	-.2236							-.1271	.0079	-.0213
180.000	1.2230	.3831	.3187	-.4449	.0451	-.0119	-.1436	-.2449	-.1961	.0330	.0193	-.3041	-.2266	-.1454	-.1615
225.000		.4300	.3768	-.3195	.1319	.0824	-.1014						-.2614	-.1956	-.1811
270.000		.1799	.8817		-.5833	-.4590	-.1578	-.1019			.1870	-.3236	-.2602	-.2267	-.2019
315.000		.0434	.0965	-.5504	-.5167	-.2218	-.1316						-.2071	-.0188	-.0372

X/LS	.9580
PHI	
.000	.2279
45.000	.2135
90.000	.0314
135.000	-.0767
180.000	-.1941

ARC11-716 TA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1539)

ALPHAT(2) = -4.480 BETAT (5) = 8.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1964
270.000	-.2047
315.000	-.0101

ALPHAT(3) = -.330 BETAT (1) = -4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0960	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3380	.3828	.1656	-.5491	-.3873	-.2322	-.0325	-.0437	-.0185	.0421	.3169	-.1895	-.2644	.0585	.0434
45.000		.5673	.2068	-.5315	-.3755	-.1707							-.2332	.1902	.2372
90.000		.4099	.2414	-.5172	-.3415	-.1594	.0388	.0103	-.0779	.1140	.3617	-.0854	-.2298	.2540	.3543
135.000		.4159	.2424	-.5222	-.3533	-.0148							-.2553	.2299	.4106
180.000	1.3380	.4231	.2262	-.5355	-.3342	-.0285	.1012	-.0116	-.0746	.2169	.4397	-.2724	-.0873	.1623	.2784
225.000		.4630	.2299	-.4638	-.3739	-.2257	.1251						-.2363	-.1146	-.1590
270.000		.5038	.8986		-.4615	-.4782	-.2927	-.0884			.4074	-.2929	-.2750	-.2605	-.2228
315.000		.4372	.1642	-.5099	-.4035	-.3622	-.1192						-.2528	-.1462	-.2185

X/LS .9580

PHI	
.000	-.0089
45.000	.1792
90.000	.2791
135.000	.3173
180.000	.1709
225.000	-.1834
270.000	-.2092
315.000	-.2280

ALPHAT(3) = -.320 BETAT (2) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0960	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3170	.3558	.1741	-.5498	-.3714	-.2405	-.0126	-.0344	-.0250	.0579	.2899	-.2111	-.1961	.0958	.1240
45.000		.3282	.1645	-.5425	-.4008	-.1681							-.1561	.1753	.2217
90.000		.3504	.2010	-.5387	-.3840	-.0992	.0196	-.0207	- 1082	.1133	.3207	-.1190	-.2117	.2321	.2981
135.000		.3642	.2195	-.5374	-.3734	-.0389							-.1622	.2375	.3503
180.000	1.3170	.4075	.2293	-.8324	-.2963	-.0136	.0064	-.0554	-.1367	.1812	.3463	-.2667	-.0807	.1571	.1730
225.000		.4672	.2529	-.4685	-.3460	-.2086	.0250						-.1970	-.0999	-.1434

ARC11-716 IA14 OL+T12+S12N25+AT11 SRM BOOSTER (RB1839)

ALPHAT(1) = -.520 BETAT (2) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3750	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.5047	.8927		-.4519	-.4777	-.2025	-.1134			.3600	-.5055	-.2738	-.2400	-.2002
315.000		.4242	.1701	-.5055	-.3903	-.3853	-.1135						-.2275	-.1019	-.1616

X/LS	.9580
PHI	
.000	.0911
45.000	.1639
90.000	.2325
135.000	.2556
180.000	.1075
225.000	-.1400
270.000	-.1990
315.000	-.1546

ALPHAT(3) = -.530 BETAT (3) = 4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3750	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2950	.3153	.1717	-.5469	-.3475	-.2615	.0201	.0102	-.0027	.0035	.2494	-.1881	-.1373	.1880	.2114
45.000		.2646	.1567	-.5509	-.4161	-.1443							-.1573	.2525	.2290
90.000		.2598	.1605	-.5522	-.4164	-.0520	.0564	-.0238	-.0972	.0590	.2364	-.1418	-.1457	.2164	.2131
135.000		.3051	.1868	-.5486	-.3942	-.0674							-.0772	.1890	.1980
180.000	1.2990	.3760	.2261	-.5290	-.2537	-.0628	-.0696	-.1035	-.1060	.0908	.1817	-.2655	-.0857	.0799	.0210
225.000		.4475	.2749	-.4438	-.3201	-.1196	-.0445						-.1907	-.1474	-.1256
270.000		.4657	.8910		-.4591	-.4393	-.1868	-.0917			.3188	-.2928	-.2342	-.2119	-.1810
315.000		.3948	.1862	-.4896	-.3693	-.3425	-.0623						-.1985	-.0584	-.0879

X/LS	.9580
PHI	
.000	.1588
45.000	.1659
90.000	.1457
135.000	.1268
180.000	-.0558
225.000	-.1375
270.000	-.1815
315.000	-.0948

AFC11-718 IA14 C1+712+S12N25+AT11 SRM BOOSTER (RB1839)

ALPHAT(3) = -.540 BETAT (4) = 0.200

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L4	.0000	.0340	.0800	.1190	.1440	.2010	.2870	.3790	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.8710	.3243	.1809	-.5455	-.3105	-.2478	-.0437	-.0119	-.0019	.0065	.2649	-.1785	-.1908	.3271	.3187
45.000		.2784	.1565	-.5585	-.4228	-.1018							-.1026	.2938	.2990
90.000		.2659	.1347	-.5600	-.4275	-.0196	-.0069	-.0615	-.0840	.0886	.2092	-.1715	-.1169	.3459	.2154
135.000		.2945	.1638	-.5605	-.3818	-.1136							-.0730	.1344	.0466
180.000	1.8710	.3812	.2287	-.5203	-.2071	-.0629	-.0852	-.1765	-.1081	.0722	.1100	-.2827	-.1542	-.0902	-.0809
225.000		.4556	.2883	-.4128	-.2687	.0927	-.0667						-.2144	-.1847	-.1401
270.000		.4690	.0783		-.5245	-.1900	-.0689	-.0737			.3052	-.5084	-.2316	-.1956	-.1803
315.000		.4044	.2019	-.4706	-.3295	-.2845	-.0519						-.1944	-.0183	-.0520

X/L5	.9580
PHI	
.000	.2463
45.000	.1764
90.000	.1366
135.000	-.0111
180.000	-.1525
225.000	-.1743
270.000	-.1959
315.000	-.0248

ALPHAT(4) = 3.090 BETAT (1) = -0.200

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L5	.0000	.0340	.0900	.1190	.1440	.2010	.2870	.3790	.4880	.6030	.7180	.8330	.8900	. 70	.9380
PHI															
.000	1.3420	.5395	.2413	-.5143	-.2726	-.1241	.0074	.0505	.0581	.0875	.3518	-.1725	-.2877	.0934	.1086
45.000		.5440	.2788	-.4877	-.2770	-.0979							-.1713	.2644	.3070
90.000		.4875	.2886	-.4987	-.2917	-.1560	.0059	.1214	.0438	.1425	.4349	.0002	-.1661	.2718	.3199
135.000		.5891	.1938	-.5515	-.3950	-.1437							-.3153	.1078	.3045
180.000	1.3420	.5448	.1554	-.5814	-.2291	-.2160	.1504	.0388	.0105	.2968	.5039	-.2610	-.3930	.0252	.2879
225.000		.5780	.0737	-.5568	-.2701	-.4796	.1714						-.2738	-.1583	-.1486
270.000		.4931	.8739		-.2852	-.3792	-.2092	-.2025			.2364	-.3142	-.2945	-.2788	-.2218
315.000		.9361	.2790	-.4397	-.2521	-.2677	.0074						-.2878	-.1155	-.2488

X/L8	.9580
PHI	
.000	.0980
45.000	.2965
90.000	.2877
135.000	.2493
180.000	.1778

ARC11-716 IA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1339)

ALPHAT(4) = 3.950 BETAT (1) = -8.200

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1802
270.000	-.2043
315.000	-.2644

ALPHAT(4) = 3.980 BETAT (2) = -4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3270	.4964	.2411	-.5092	-.2676	-.1540	-.0131	.0152	.0157	.0796	.3249	-.1425	-.1991	.1571	.1569
45.000		.4565	.2489	-.5021	-.3240	-.1352							-.1325	.2927	.3012
90.000		.3824	.2265	-.5209	-.3498	-.1625	.0053	.0652	-.0279	.0719	.3867	-.0185	-.1489	.2300	.2618
135.000		.3168	.1919	-.5498	-.4119	-.1069							-.2834	.1940	.2938
180.000	1.3270	.3072	.1451	-.5548	-.2424	-.2122	.0764	.0523	-.0406	.2222	.4458	-.2275	-.1741	.1421	.2750
225.000		.3458	.0887	-.5440	-.2962	-.4511	.1263						-.2035	-.0506	-.1153
270.000		.4083	.8715		-.3323	-.4467	.0087	-.0926			.3210	-.2851	-.2570	-.2173	-.1794
315.000		.5191	.2829	-.4260	-.2579	-.3373	.0112						-.2249	-.0821	-.1582

X/LS .9580

PHI	
.000	.1071
45.000	.2461
90.000	.2174
135.000	.2122
180.000	.1573
225.000	-.1427
270.000	-.1784
315.000	-.1712

ALPHAT(4) = 3.950 BETAT (3) = .020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3070	.4604	.2458	-.5089	-.2411	-.1631	-.0421	-.0165	-.0026	.0672	.3001	-.1461	-.1448	.2127	.2133
45.000		.3750	.2076	-.5194	-.3570	-.1661							-.1141	.2746	.2703
90.000		.3004	.1862	-.5387	-.3963	-.1583	.0207	.0240	-.0836	.1069	.3217	-.0717	-.1178	.1692	.1893
135.000		.2619	.1725	-.5500	-.4240	-.0675							-.2879	.2398	.2922
180.000	1.3070	.2713	.1517	-.5550	-.3082	-.2156	.0572	-.0016	-.0756	.2100	.3629	-.2296	-.1255	.1504	.1858
225.000		.3199	.1042	-.5500	-.3692	-.4450	.0983						-.1857	-.0648	-.1051

ARC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1839)

ALPHAT(4) = 3.950 BETAT (3) = .020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4488	.8701		-.4005	-.4620	-.0558	-.1038			.3438	-.2827	-.2409	-.1935	-.1599
315.000		.3042	.2930	-.4101	-.3245	-.2705	-.0346						-.1962	-.0421	-.0892

X/LS	.9580
PHI	
.000	.1647
45.000	.2069
90.000	.1200
135.000	.1922
180.000	.0952
225.000	-.1286
270.000	-.1614
315.000	-.0862

ALPHAT(4) = 3.950 BETAT (4) = 4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2820	.4172	.2260	-.5125	-.2256	-.1798	-.0806	.0031	-.0083	.0051	.2480	-.1477	-.1218	.2619	.2695
45.000		.2891	.1677	-.5439	-.3855	-.2197							-.1011	.2422	.2209
90.000		.2161	.1493	-.5604	-.4270	-.1229	.0614	.0145	-.0745	.0555	.2537	-.1183	-.1145	.1861	.1492
135.000		.2086	.1496	-.5584	-.4285	-.0569							-.1404	.2539	.2251
180.000	1.2820	.2285	.1493	-.5627	-.3490	-.1360	-.0233	-.0351	-.0505	.1301	.2316	-.2341	-.0680	.1010	.0519
225.000		.2707	.1203	-.5466	-.4363	-.3002	-.0019						-.1659	-.1067	-.1080
270.000		.3819	.8550		-.4872	-.3419	-.1365	-.0870			.3046	-.2698	-.1958	-.1591	-.1290
315.000		.4666	.3080	-.3857	-.3896	-.1230	-.0776						-.1706	-.0322	-.0307

X/LS	.9360
PHI	
.000	.2283
45.000	.1554
90.000	.0782
135.000	.1412
180.000	-.0173
225.000	-.1335
270.000	-.1467
315.000	-.0140

ARC11-716 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1339)

ALPHAT(4) = 3.980 BETAT (5) = 8.210

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2540	.4119	.2248	-.4993	-.2036	-.1746	-.1024	-.0447	-.0335	.0026	.2238	-.1993	-.0997	.2581	.2534
45.000		.2804	.1412	-.5518	-.3792	-.2376							-.0616	.2700	.2243
90.000		.2376	.1320	-.5616	-.4289	-.0505	-.0063	-.0363	-.1164	.0570	.2461	-.1445	-.0259	.2650	.1664
135.000		.2311	.1441	-.5503	-.4191	-.0323							-.0194	.2063	.1444
180.000	1.2540	.2492	.1691	-.5476	-.2913	-.1353	-.0773	-.0917	-.0631	.1058	.1819	-.2528	-.0835	.0684	-.0197
225.000		.2805	.1513	-.5155	-.3821	-.1921	-.0668						-.1784	-.1082	-.1117
270.000		.4074	.8524		-.4846	-.2072	-.1206	-.0950			.3343	-.2745	-.1888	-.1449	-.1236
315.000		.3116	.3290	-.3427	-.3128	-.0392	-.0768						-.1736	-.0400	.0058

X/LS	.9580
PHI	
.000	.2184
45.000	.1447
90.000	.0728
135.000	.0656
180.000	-.0949
225.000	-.1516
270.000	-.1519
315.000	.0352

ALPHAT(5) = 7.980 BETAT (1) = -8.210

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2980	.6504	.3109	-.4735	-.1466	-.0597	.0445	.0724	.0833	.1418	.3491	-.1388	-.2148	.2019	.2198
45.000		.5988	.3174	-.4607	-.2276	-.0763							-.1004	.3778	.3850
90.000		.4265	.2132	-.5222	-.3211	-.1892	-.1155	.0516	.0243	.1592	.3958	.0329	-.1362	.3013	.2624
135.000		.2749	.0958	-.5991	-.4435	-.1781							-.3215	.1001	.0895
180.000	1.2980	.2608	.0477	-.5645	-.2594	-.2785	-.0039	.0528	.0439	.2370	.3414	-.2191	-.2465	.0380	.0905
225.000		.2633	-.1031	-.4013	-.2637	-.3617	.0187						-.2387	.0821	.0097
270.000		.4104	.7876		-.2449	-.3480	-.0056	.0617			.2784	-.3101	-.2732	-.1991	-.1257
315.000		.5913	.3486	-.3788	-.2378	-.1709	.0556						-.2365	-.0359	-.1112

X/LS	.9580
PHI	
.000	.1702
45.000	.3296
90.000	.2069
135.000	.0810
180.000	-.0015

ARC11-716 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1539)

ALPHAT(5) = 7.980 BETAT (1) = -8.210

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.9580
PHI	
225.000	-.0719
270.000	-.1195
315.000	-.1408

ALPHAT(5) = 8.010 BETAT (2) = -4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2900	.6187	.2964	-.4772	-.1302	-.0788	-.0072	.0035	.0358	.1095	.2962	-.1120	-.1537	.2720	.2891
45.000		.5066	.2574	-.4935	-.2792	-.1435							-.0881	.3613	.3719
90.000		.3205	.1606	-.5560	-.3890	-.2632	-.1080	-.0255	-.0594	.0926	.3611	.0033	-.1457	.2556	.2014
135.000		.2067	.0718	-.6054	-.4969	-.1772							-.2384	.1037	.1204
180.000	1.2900	.2104	.0365	-.5901	-.2906	-.2896	.0003	.0249	-.0272	.1822	.3810	-.1969	-.3200	.2376	.2128
225.000		.2103	-.1370	-.4446	-.3318	-.4338	.0055						-.1857	.0173	-.0604
270.000		.3765	.7674		-.3320	-.3363	-.0176	-.0131			.2520	-.2785	-.2479	-.1743	-.1232
315.000		.5813	.3542	-.3505	-.2959	-.0923	.0194						-.2034	-.0164	-.0724

X/LS	.9580
PHI	
.000	.2305
45.000	.3037
90.000	.1450
135.000	.0533
180.000	.0962
225.000	-.1255
270.000	-.1210
315.000	-.0794

ALPHAT(5) = 8.020 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2680	.5820	.2934	-.4764	-.1271	-.0971	-.0646	-.0261	.0084	.1213	.2653	-.1274	-.1081	.3656	.3679
45.000		.4102	.1986	-.5259	-.3114	-.1961							-.0899	.3470	.3388
90.000		.2200	.1167	-.5792	-.4294	-.2791	-.1096	-.0490	-.0998	.0870	.3049	-.0559	-.1098	.2101	.1558
135.000		.1556	.0948	-.5936	-.4865	-.1441							-.1568	.1595	.1290
180.000	1.2680	.1730	.0665	-.5845	-.3002	-.2615	.0056	.0060	-.0197	.1728	.3233	-.2184	-.1203	.2550	.1750
225.000		.1633	-.0881	-.4620	-.3731	-.4493	.0121						-.1520	-.0220	-.0722

ARC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1339)

ALPHAT(3) = 8.020 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.5360	.7494		-.3731	-.2840	.0076	-.0294			.2599	-.2709	-.2268	-.1629	-.1045
315.000		.5729	.3678	-.3086	-.2892	-.0939	.0131						-.1600	.0315	.0166

X/LS	.9580
PHI	
.000	.3112
45.000	.2685
90.000	.0892
135.000	.0452
180.000	.0952
225.000	-.1055
270.000	-.1116
315.000	.0131

ALPHAT(5) = 8.000 BETAT (4) = 4.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2370	.5669	.2720	-.4671	-.1290	-.1327	-.1457	.0190	-.0070	.0163	.2819	-.1499	-.1147	.3607	.3885
45.000		.3213	.1386	-.5527	-.3155	-.2706							-.1053	.2804	.2594
90.000		.1346	.0770	-.5944	-.4660	-.2211	-.0387	-.0058	-.0890	.0560	.2786	-.0925	-.0897	.2399	.1222
135.000		.1165	.0787	-.5863	-.4779	-.0991							-.0919	.1970	.1266
180.000	1.2370	.1334	.0775	-.5894	-.2864	-.2462	.0350	.0146	-.0093	.1434	.2230	-.2172	-.0687	.1375	.0678
225.000		.1353	-.0951	-.4448	-.3640	-.3869	.0435						-.1538	-.1036	-.0928
270.000		.5271	.7340		-.3005	-.3677	.0060	.0240			.3521	-.2412	-.1715	-.1379	-.1183
315.000		.5877	.3981	-.2179	-.2133	-.0901	-.0225						-.1483	.0239	.0161

X/LS	.9580
PHI	
.000	.3429
45.000	.1899
90.000	.0520
135.000	.0449
180.000	.0081
225.000	-.1245
270.000	-.1383
315.000	.0690

ARC11-716 IA14 C1+T12+912N25+AT11 SRM BOOSTER (RB1S38)

ALPHAT(5) = 7.980 BETAT (5) = 8.290

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3770	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2100	.5427	.2780	-.4437	-.1040	-.1393	-.1641	-.0733	-.0356	-.0184	.2196	-.1911	-.1093	.3938	.4544
45.000		.2662	.0848	-.5841	-.3040	-.3396							-.0078	.2470	.2164
90.000		.1160	.0567	-.6075	-.4743	-.1662	-.0926	-.0838	-.1195	.0410	.2400	-.1361	.0008	.2077	.1143
135.000		.1232	.0888	-.5814	-.4642	-.0599							-.0050	.1562	.1151
180.000	1.2100	.1143	.0878	-.5819	-.2788	-.1797	-.0143	-.0460	-.0778	.1148	.1977	-.2473	-.0383	.0552	-.0021
225.000		.0850	-.0336	-.4693	-.4017	-.3168	-.0017						-.1665	-.0986	-.0853
270.000		.2315	.7378		-.4029	-.4500	-.0598	-.0453			.3745	-.2565	-.1705	-.1266	-.1040
315.000		.5789	.4286	-.2122	-.0772	-.0332	-.1137						-.1305	.0803	.1614

X/LS	.9590
PHI	
.000	.3690
45.000	.1430
90.000	.0168
135.000	.0389
180.000	-.0684
225.000	-.1376
270.000	-.1429
315.000	.2491

ARC11-716 IA14 O1+T12+S12N25+AT11 SRM BOOSTER (RB1S40) (14 FEB 74)

REFERENCE DATA

BREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 39.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.400 ELEVON = .000
RUDDER = .000 SPDBRK = .000

ALPHAT(1) = -8.470 BETAT (1) = -8.190

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	.4370	.0895	.1578	-.3387	-.2931	-.3152	-.4494	-.2998	-.3296	-.1961	.0719	-.2166	-.3207	-.1109	-.1483
45.000		.1602	.2042	-.3389	-.2822	-.2285							-.3131	-.1311	-.0785
90.000		.3402	.3301	-.2794	-.1768	-.1145	-.0740	-.1913	-.2820	-.3255	-.2156	-.2479	-.2989	-.0623	.1079
135.000		.5133	.4133	-.2229	-.0881	-.0192							-.2785	-.0192	.3444
180.000	(.4370	.5665	.5091	-.2130	-.0417	.1285	.2658	.1228	.0544	-.0477	.2207	-.2474	-.3863	-.0398	.2207
225.000		.5920	.5597	-.1301	-.2103	.3224	.2933						-.2989	-.0858	-.0279
270.000		.4660	.3730		-.5193	-.1529	-.1937	-.0452			.0792	-.3235	-.2732	-.2381	-.2218
315.000		.2721	.2145	-.4436	-.5170	-.4670	-.2368						-.2676	-.2217	-.2152

X/LS	.9580
PHI	
.000	-.1879
45.000	-.0519
90.000	.2323
135.000	.4593
180.000	.5047
225.000	.0151
270.000	-.2112
315.000	-.2084

ALPHA (1) = -8.440 BETAT (2) = -4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.4020	.0197	.1114	-.3448	-.3012	-.3100	-.1658	-.1025	-.2729	-.3089	-.0101	-.2220	-.2885	-.0287	-.0623
45.000		.0944	.1633	-.3493	-.2976	-.2338							-.2611	-.0645	-.0601
90.000		.2304	.2505	-.3113	-.2373	-.1704	-.1549	-.2691	-.3674	-.3253	-.2462	-.2356	-.2737	-.0096	.1272
135.000		.3921	.4144	-.2485	-.1429	-.0156							-.3299	-.0134	.2213
180.000	1.4020	.4492	.4933	-.2155	-.0381	.1382	.1560	.0648	-.0552	-.1028	.0667	-.2989	-.3059	-.0066	.2263
225.000		.4026	.5632	-.1202	-.1894	.4314	.2041						-.2404	-.1773	-.1371
270.000		.2507	.9639		-.4707	-.1095	-.2386	-.1398			.3464	-.2933	-.2636	-.2369	-.2131
315.000		.0609	-.0298	-.4639	-.4700	-.4324	-.3928						-.2563	-.1098	-.1088

X/LS	.9580

ARC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1S40)

ALPHAT(1) = -8.440 BETAT (2) = -4.000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
.000	-.1648
45.000	-.0626
90.000	.1732
135.000	.3919
180.000	.3984
225.000	-.1462
270.000	-.1917
315.000	-.1368

ALPHAT(1) = -8.420 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3610	-.0307	.0908	-.3741	-.3236	-.3303	-.1291	-.1159	-.1111	-.0616	.1417	-.2007	-.2628	.0679	-.0071
45.000		.0263	.1159	-.3710	-.3150	-.2279							-.2855	.0478	-.0224
90.000		.1332	.1613	-.3543	-.2953	-.1957	-.2474	-.3503	-.4104	-.2325	-.1149	-.1944	-.2420	.0063	.0747
135.000		.3068	.3337	-.2891	-.2000	-.0706							-.3076	-.0042	.1921
180.000	1.3610	.4523	.4707	-.2302	.0116	.2193	.0507	-.0077	-.1280	-.1234	-.0251	-.3079	-.2798	-.0631	.0986
225.000		.5552	.5643	-.1164	-.1320	.4221	.1292						-.2231	-.1900	-.1639
270.000		.4009	.9368		-.4861	-.1288	-.2838	-.0914			.3007	-.2814	-.2329	-.2209	-.2097
315.000		.1142	-.0623	-.4877	-.4904	-.4420	-.2436						-.2542	-.0697	-.0863

X/LS .9580

PHI	
.000	-.0738
45.000	-.0480
90.000	.0936
135.000	.2916
180.000	.1465
225.000	-.1595
270.000	-.2180
315.000	-.1124

ARC11-716 IA14 C1+T12+S12NB5+AT11 SRM BOOSTER (RB1340)

ALPHAT(1) = -8.430 BETAT (4) = 4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3140	-.0299	.0684	-.3918	-.3282	-.3246	-.0776	-.0680	-.0792	-.0591	.1658	-.1888	-.2337	.0693	.2116
45.000		-.0274	.0858	-.3806	-.3185	-.1951							-.2591	.0451	-.0173
90.000		.0459	.0911	-.3837	-.3386	-.2354	-.2957	-.3913	-.3015	-.1867	.0036	-.1987	-.2647	.0196	.0346
135.000		.2476	.2519	-.3248	-.2430	-.1136							-.1624	-.0188	.0656
180.000	1.3140	.4981	.4478	-.2387	.0384	.1801	-.0193	-.0553	-.2283	-.1104	-.0561	-.3225	-.2342	-.1333	-.0832
225.000		.6282	.5698	-.0909	-.0491	.3587	.0608						-.2162	-.1903	-.1720
270.000		.5681	.9174		-.4839	-.1615	-.2970	-.0903			.2484	-.2860	-.2378	-.2206	-.2140
315.000		.1150	-.0743	-.4892	-.4833	-.4369	-.1857						-.2190	-.0386	-.0320

X/LS	.9580
PHI	
.000	.1725
45.000	-.0221
90.000	.0046
135.000	.0550
180.000	-.0873
225.000	-.1645
270.000	-.2107
315.000	-.0448

ALPHAT(1) = -8.530 BETAT (5) = 8.270

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2640	.0521	.0466	-.3807	-.3450	-.3023	-.0472	-.0494	-.0530	-.0637	.0941	-.2256	-.2317	.1320	.3079
45.000		-.0545	.0352	-.3939	-.3141	-.1664							-.2494	.0530	.3217
90.000		-.0158	.0259	-.4123	-.3867	-.2694	-.3345	-.3659	-.3455	-.1553	.0388	-.1690	-.2374	.0335	.0526
135.000		.2120	.1624	-.3615	-.2368	-.2151							-.1801	-.0575	-.0687
180.000	1.2640	.5140	.4149	-.2427	.0808	.0895	-.0777	-.1035	-.2740	-.1251	-.0536	-.2842	-.2468	-.1874	-.1586
225.000		.6127	.5584	-.0518	.1071	.2396	-.0185						-.2458	-.1907	-.1731
270.000		.5074	.8924		-.4798	-.2142	-.2573	-.1345			.1479	-.2748	-.2308	-.2113	-.1940
315.000		.0385	-.0527	-.4788	-.4798	-.4225	-.1902						-.1890	.0088	.0055

X/LS	.9580
PHI	
.000	.2852
45.000	.1543
90.000	-.0142
135.000	-.0844
180.000	-.1659

ARC11-718 TA14 C1+T12+S12+25+AT11 SRM BOOSTER (RB1340)

ALPHAT(1) = -8.530 BETAT (5) = 8.270

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9380

PHI	
225.000	-.1817
270.000	-.1838
315.000	.0388

ALPHAT(2) = -4.380 BETAT (1) = -8.200

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.4680	.1527	.2529	-.3042	-.2372	-.2424	-.3533	-.0607	-.0736	-.0905	.1152	-.1447	-.2798	-.0940	-.1153
													-.2456	-.0460	.0185
45.000		.2551	.3096	-.2897	-.2125	-.1465									
													-.1847	.0806	.1513
90.000		.3803	.4060	-.2483	-.1457	-.0729	.0341	-.0557	-.1577	-.1037	-.0786	-.1250			
													-.2155	-.0158	.0370
135.000		.4180	.4627	-.2313	-.1208	-.0388									
													-.3522	-.1378	.3101
180.000	1.4680	.3600	.4434	-.2420	-.1206	-.1671	.2715	.1575	.0319	-.0529	.3883	-.1845			
													-.3012	-.0988	.0879
225.000		.3182	.4810	-.1798	-.3191	-.1391	.2858								
													-.2712	-.2406	-.2074
270.000		.5214	1.0410		-.4415	-.4374	-.2002	-.0494			.3612	-.3013			
													-.2778	-.0614	-.1861
315.000		.2692	.1976	-.3314	-.3930	-.4329	-.1603								

X/LS .9580

PHI	
.000	-.1988
45.000	-.0093
90.000	.1426
135.000	.4312
180.000	.4528
225.000	.0554
270.000	-.1757
315.000	-.1682

ALPHAT(2) = -4.340 BETAT (2) = -4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.4340	.0921	.1921	-.3163	-.2535	-.2544	-.2527	-.0205	-.0666	-.0789	.0995	-.1501	-.2493	-.0295	-.0655
													-.2152	.0225	.0730
45.000		.1749	.2538	-.3098	-.2380	-.1664									
													-.1899	.0745	.1333
90.000		.2698	.3107	-.2844	-.1997	-.1216	-.0188	-.1256	-.1424	-.1498	-.0503	-.1242			
													-.2553	-.0436	.1985
135.000		.3220	.3960	-.2606	-.1700	-.0921									
													-.3145	-.0701	.3078
180.000	1.4340	.2976	.4267	-.2514	-.1360	-.1662	.1610	.0492	-.0736	-.1104	.2728	-.2195			
													-.2492	-.1374	-.0286
225.000		.2322	.4796	-.1792	-.3170	-.0270	.1866								

ARC11-716 IA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1540)

ALPHA(2) = -4.340 BETA (2) = -4.100

SECTION 1) SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.1710	1.0260		-.4458	-.4299	-.2491	-.0180			.3860	-.2816	-.2520	-.2153	-.1783
315.000		.0824	.1751	-.3493	-.4147	-.4402	-.1556						-.2643	.0308	-.1042

X/LS	.9580
PHI	
.000	-.1975
45.000	-.1[illegible]
90.000	-.[illegible]
135.000	.3975
180.000	.3[illegible]
225.000	.07[illegible]
270.000	-.1579
315.000	-.1539

ALPHA(2) = -4.250 BETA (3) = .000

SECTION 1) SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3940	.0457	.1693	-.3299	-.2705	-.2655	-.0861	-.0268	-.0671	-.0576	.1501	-.1414	-.2427	.0001	-.0012
45.000		.1086	.2067	-.3234	-.2538	-.1747							-.1937	.0449	.0736
90.000		.1806	.2340	-.3127	-.2409	-.1485	-.0750	-.1822	-.1358	-.1577	.0849	-.1250	-.1884	.0846	.1477
135.000		.2428	.3203	-.2983	-.2084	-.1119							-.2556	.0414	.2837
180.000	1.3940	.2546	.4075	-.2581	-.1500	.0061	.0729	-.0243	-.1385	-.0921	.0964	-.2329	-.2528	-.0285	.1806
225.000		.2195	.4873	-.1699	-.2970	-.0259	.1250						-.2026	-.1539	-.1283
270.000		.1490	1.0210		-.4327	-.4151	-.2794	.0026			.3411	-.2708	-.2309	-.2055	-.1815
315.000		.0610	.1544	-.3538	-.4172	-.4345	-.1787						-.2233	-.0095	-.0764

X/LS	.9580
PHI	
.000	-.0210
45.000	.0647
90.000	.2004
135.000	.3283
180.000	.2190
225.000	-.1296
270.000	-.1627
315.000	-.1094

AP311-716 IA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1540)

ALPHAT(2) = -4.260 BETAT (4) = 4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9360
PHI															
.000	1.3530	.0125	.1553	-.3454	-.2885	-.2696	-.0093	-.0292	-.0385	-.0259	.1985	-.1576	-.2338	.0525	.1804
45.000		.0557	.1699	-.3411	-.2635	-.1745							-.1866	.1609	.0852
90.000		.0994	.1691	-.3408	-.2701	-.1408	-.1119	-.1101	-.1452	-.1058	.0844	-.1357	-.2058	.0980	.1195
135.000		.1628	.2539	-.3185	-.2516	-.1174							-.2401	.0683	.1836
180.000	1.3530	.2155	.3894	-.2659	-.1195	.0344	-.0375	-.0415	-.2096	-.0201	.0138	-.2565	-.2182	-.0363	.0137
225.000		.2199	.4968	-.1532	-.2592	.1089	.0384						-.2015	-.1709	-.1491
270.000		.1307	1.0190		-.4192	-.3715	-.2951	-.0312			.2721	-.2800	-.2321	-.2095	-.1813
315.000		.0364	.1628	-.3474	-.4078	-.4182	-.2229						-.2227	-.0183	-.0158

X/LS	.9580
PHI	
.000	.1814
45.000	.0829
90.000	.1025
135.000	.1441
180.000	-.0191
225.000	-.1423
270.000	-.1716
315.000	-.0005

ALPHAT(2) = -4.260 BETAT (5) = 8.210

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9360
PHI															
.000	1.3080	.0447	.1428	-.3569	-.2994	-.2685	-.0073	-.0405	-.0702	-.0405	.2015	-.1759	-.1584	.1884	.2981
45.000		-.0008	.1222	-.3549	-.2788	-.1653							-.1670	.2078	.3360
90.000		.0304	.0976	-.3706	-.2986	-.1313	-.1179	-.0851	-.1734	-.0798	.1207	-.1176	-.2240	.1583	.1321
135.000		.1207	.1807	-.3475	-.2986	-.1701							-.1244	.0825	.0426
180.000	1.3080	.4087	.3610	-.2788	-.0933	.0556	-.1262	-.0877	-.2150	-.0554	.0266	-.2447	-.1645	-.0785	-.0793
225.000		.5908	.4910	-.1429	-.1914	.2963	-.0523						-.2169	-.1497	-.1203
270.000		.4370	1.0040		-.4216	-.2291	-.1829	-.0733			.2150	-.2737	-.2078	-.1818	-.1195
315.000		.2528	.1710	-.3359	-.4005	-.3574	-.2034						-.1832	.0514	.1000

X/LS	.9580
PHI	
.000	.2983
45.000	.2590
90.000	.1013
135.000	.0193
180.000	-.1137

ARC11-718 IA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1540)

ALPHAT (5) = -4.290 BETAT (5) = 8.210

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9590

PHI	
225.000	.1320
270.000	-.1195
315.000	.1792

ALPHAT (1) = .560 BETAT (1) = -8.250

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0590	.1150	.1440	.2010	.2870	.3750	.4880	.6030	.7180	.8330	.8900	.9170	.9590
PHI															
.000	1.4790	.2364	.3159	-.2761	-.1916	-.1672	-.1467	-.0357	-.0002	-.0255	.2094	-.1442	-.3098	-.1637	-.1118
45.000		.3591	.3773	-.2559	-.1586	-.0847							-.1597	.0910	.1388
90.000		.3597	.4216	-.2378	-.1271	-.0524	-.0563	.0477	.0270	-.0002	.2361	.0135	-.0927	.1992	.2267
135.000		.3525	.4134	-.2486	-.1546	-.0678							-.1708	.0460	.0554
180.000	1.4790	.2536	.3148	-.2688	-.1798	-.1537	.2428	.1827	.0242	-.0207	.5102	-.1414	-.3397	-.1927	-.0403
225.000		.2411	.3005	-.2388	-.3238	-.3880	.2790						-.3003	-.0942	.0496
270.000		.3547	.3940		-.3351	-.3677	-.2227	-.0656			.3301	-.2885	-.2604	-.2053	-.1766
315.000		.2554	.3529	-.2496	-.2860	-.2044	-.1577						-.2965	-.1000	-.1597

X/LS .0590

PHI	
.000	-.1325
45.000	.1053
90.000	.1781
135.000	-.0423
180.000	.3889
225.000	.1267
270.000	-.1531
315.000	-.2196

ALPHAT (3) = -.540 BETAT (2) = -4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3750	.4880	.6030	.7180	.8330	.8900	.9170	.9590
PHI															
.000	1.4490	.1746	.2849	-.2906	-.2052	-.1915	-.1087	-.0022	-.0250	-.0285	.2322	-.1452	-.2744	-.0855	-.0177
45.000		.2909	.3309	-.2765	-.1981	-.1197							-.1588	.1280	.1829
90.000		.2894	.3477	-.2694	-.1832	-.0995	-.0403	.0038	-.0064	-.0455	.2587	.0008	-.1011	.1871	.2078
135.000		.2677	.3610	-.2739	-.1930	-.1091							-.1894	.0209	.0238
180.000	1.4490	.1971	.3474	-.2820	-.1948	-.1795	.1795	.0777	-.0352	-.0740	.4135	-.1701	-.3401	-.1034	.1941
225.000		.1694	.3647	-.2448	-.3495	-.3848	.2509						-.2489	-.0518	.0381

ARC11-T16 TA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1540)

ALPHA(3) = -.540 BETA (2) = -4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L=	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.2026	1.0800		-.3470	-.3924	-.2384	-.0355			.3809	-.2724	-.2415	-.2057	-.1726
315.000		.1901	.3162	-.2595	-.3061	-.3282	-.1556						-.2664	-.0868	-.1628

X/L=	.9580
PHI	
.000	-.0140
45.000	.1259
90.000	.1421
135.000	.2061
180.000	.3855
225.000	.0171
270.000	-.1678
315.000	-.1860

ALPHA(3) = -.540 BETA (3) = -.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L=	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.4090	.1312	.2670	-.3001	-.2199	-.2037	-.0445	-.0040	-.0267	-.0177	.2240	-.1369	-.2089	.0185	.0983
45.000		.1761	.2687	-.2976	-.2249	-.1434							-.1269	.1471	.1754
90.000		.1981	.2685	-.2971	-.2171	-.1212	-.0180	.0010	-.0303	-.0682	.2345	-.0140	-.1146	.1744	.1832
135.000		.1911	.2972	-.2938	-.2178	-.1247							-.2079	.0421	.0906
180.000	1.4090	.1568	.5341	-.2987	-.1956	-.1527	.1270	-.0022	-.0720	-.0966	.2375	-.2087	-.2622	-.0040	.2780
225.000		.1583	.3691	-.2571	-.3419	-.2869	.1925						-.2003	-.1096	-.0588
270.000		.1728	1.0560		-.3426	-.3842	-.2517	-.0438			.3522	-.2499	-.2268	-.1985	-.1682
315.000		.1990	.3165	-.2463	-.3049	-.3327	-.1305						-.2132	-.0720	-.1321

X/L=	.9580
PHI	
.000	.0835
45.000	.1541
90.000	.1209
135.000	.3235
180.000	.9047
225.000	-.0084
270.000	-.1631
315.000	-.1207

AS011-716 IA14 01+T12+S12N23+AT11 SRM BOOSTER (RB1340)

ALPHA(3) = -.550 BETA (4) = 4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3660	.0976	.2377	-.3099	-.2387	-.2258	-.0217	-.0187	-.0215	-.0168	.1937	-.1315	-.1854	.1162	.1487
[illegible]		.1071	.2147	-.3205	-.2546	-.1664							-.1418	.1995	.1802
[illegible]		.1163	.2062	-.3246	-.2405	-.1341	-.0125	-.0083	-.0471	-.0619	.1815	-.0599	-.1297	.2062	.1447
[illegible]		.1216	.2367	-.3183	-.2459	-.1316							-.2103	.0828	.2236
[illegible]	[illegible]	.1258	.3161	-.2938	-.1978	-.0353	.0282	-.0257	-.1307	.0060	.0943	-.2070	-.2342	.0317	.0743
225.000		.1503	.3890	-.2205	-.3198	-.2234	.1511						-.1809	-.1338	-.1152
270.000		.1475	1.0420		-.3286	-.3746	-.2631	-.0709			.3072	-.2650	-.2181	-.1875	-.1555
[illegible]		.221	.3.64	-.2539	-.2985	-.3324	-.0205						-.2003	-.0183	-.0426

X/LS	.9580
PHI	
.000	.1505
45.000	.1592
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
315.000	-.0195

ALPHA(3) = -.550 BETA (5) = 9.210

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3220	.0572	.2147	-.3261	-.2529	-.2188	-.0423	-.0470	-.0218	-.0321	.2043	-.1405	-.1395	.2104	.3174
45.000		.0477	.1622	-.3436	-.2825	-.1764							-.1372	.2129	.2432
90.000		.0532	.1502	-.3464	-.2610	-.1135	.0002	-.0301	-.0838	-.0427	.1963	-.0554	-.1628	.2332	.2545
135.000		.0605	.1848	-.3442	-.2382	-.1019							-.1742	.1760	.1567
180.000	1.3220	.0848	.2993	-.3043	-.1929	-.0491	-.0441	-.0543	-.1625	.0078	.0990	-.2075	-.1052	.0169	-.0411
225.000		.1562	.3997	-.2072	-.2935	-.0990	.0571						-.1880	-.1266	-.1122
270.000		.1409	1.0360		-.3205	-.3393	-.2919	-.0334			.2931	-.2649	-.2059	-.1617	-.1178
315.000		.0959	.3178	-.2450	-.2746	-.2960	-.0332						-.1865	.0382	[illegible]

X/LS	.9580
PHI	
.000	.2936
45.000	.2132
90.000	.1884
135.000	.0694
180.000	-.0837

ARC11-716 IA14 C1+T12+S12N25+AT11 SRM BOOSTER (RB1340)

ALPHAT(3) = -.550 BETAT (5) = 8.210

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1303
270.000	-.1255
315.000	.0243

ALPHAT(4) = 4.070 BETAT (1) = -8.210

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.4630	.3582	.4072	-.2384	-.1218	-.0995	-.0024	.0387	.0399	.0209	.3192	-.1373	-.2477	-.0562	.0010
45.000		.4216	.4469	-.2268	-.1203	-.0369							-.0738	.2077	.2411
90.000		.3857	.4122	-.2412	-.1391	-.0657	-.0591	.0237	.0939	.0532	.4089	.1097	-.0173	.3074	.2997
135.000		.2734	.3294	-.2836	-.2090	-.0998							-.1196	.1128	.0833
180.000	1.4630	.1672	.2703	-.2993	-.1813	-.1747	.0238	.0744	.0934	.0627	.5622	-.0841	-.3100	-.2198	-.1856
225.000		.2234	.2187	-.3273	-.2123	-.3494	.0001						-.2824	-.0884	.0080
270.000		.3322	1.0400		-.2373	-.3117	-.1212	-.1660			.1452	-.2645	-.2468	-.1647	-.1298
315.000		.3384	.4634	-.1698	-.2590	-.2189	.0258						-.3356	-.1108	-.0661

X/LS .9580

PHI	
.000	-.0036
45.000	.2253
90.000	.2405
135.000	-.0278
180.000	.1615
225.000	.1632
270.000	-.0901
315.000	-.1112

ALPHAT(4) = 4.080 BETAT (2) = -4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.4310	.2882	.3812	-.2507	-.1359	-.1362	.0083	.0168	.0038	.0151	.2486	-.1107	-.2006	.0238	.0642
45.000		.3275	.3847	-.2550	-.1645	-.0957							-.0664	.1885	.2107
90.000		.2772	.3270	-.2780	-.1958	-.1157	-.0986	.0501	.0431	-.0117	.3434	.0536	-.0501	.2906	.2491
135.000		.1915	.2740	-.3065	-.2320	-.1096							-.1406	.0887	.0647
180.000	1.4310	.1025	.2415	-.3149	-.1862	-.2063	.0231	.0353	.0308	-.0042	.4978	-.1132	-.3374	-.1796	-.1321
225.000		.1075	.1885	-.3439	-.2259	-.3572	-.0017						-.2565	-.0673	.0228

ARC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1540)

ALPHAT(1) = 4.090 BETAT (2) = -4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.2095	1.0300		-.2534	-.3308	-.0602	-.1127			.1682	-.2683	-.2301	-.1733	-.1256
315.000		.2565	.4594	-.1720	-.2668	-.2443	.0403						-.2813	-.0580	-.0741

X/LS	.9580
PHI	
.000	.0942
45.000	.2017
90.000	.1954
135.000	-.0555
180.000	.2861
225.000	.1140
270.000	-.1110
315.000	-.1105

ALPHAT(4) = 4.010 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3950	.2493	.3547	-.2610	-.1559	-.1567	-.0177	-.0224	-.0109	.0091	.1950	-.0977	-.1618	.1153	.1632
45.000		.2401	.3150	-.2837	-.2105	-.1446							-.0608	.1998	.2002
90.000		.1840	.2421	-.3064	-.2360	-.1476	-.1028	.0338	.0073	-.0448	.2633	.0063	-.0847	.2600	.1602
135.000		.1256	.2259	-.3198	-.2456	-.1151							-.1643	.0731	.0498
180.000	1.3950	.0537	.2249	-.3261	-.2269	-.2103	.0518	-.0042	-.0112	.0198	.3450	-.1462	-.2820	-.0590	.1802
225.000		.0519	.1835	-.3415	-.2590	-.3576	.0568						-.1964	-.0862	.0106
270.000		.1166	1.0280		-.2756	-.3523	.0043	-.0686			.2188	-.2491	-.2125	-.1700	-.1241
315.000		.1964	.4569	-.1673	-.2716	-.2412	.0398						-.2042	-.0192	-.0655

X/LS	.9580
PHI	
.000	.1637
45.000	.1715
90.000	.1210
135.000	-.0049
180.000	.3046
225.000	-.0269
270.000	-.1215
315.000	-.0549

ARC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (R81340)

ALPHAT(4) = 4.040 BETAT (4) = 4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3480	.2123	.3334	-.2697	-.1616	-.1628	-.0540	-.0585	-.0137	-.0089	.1496	-.1156	-.1344	.1985	.2851
45.000		.1683	.2473	-.3136	-.2536	-.1998							-.0858	.2260	.2140
90.000		.1043	.1745	-.3386	-.2679	-.1519	-.0087	.0025	-.0246	-.0417	.1945	-.0284	-.1128	.1901	.1142
135.000		.0699	.1828	-.3333	-.2510	-.1227							-.1887	.0916	.2179
180.000	1.3480	.0189	.2196	-.3305	-.2404	-.2058	.0292	-.0565	-.0480	.0624	.1963	-.1545	-.2581	.0399	.1790
225.000		.0488	.2186	-.3234	-.2833	-.3503	.0818						-.1709	-.1000	-.0864
270.000		.1404	1.0180		-.3004	-.3355	.0142	-.1059			.2377	-.2547	-.2020	-.1602	-.1185
315.000		.2181	.4604	-.1616	-.2702	-.1872	.0319						-.1832	.0142	.0090

X/LS	.9580
PHI	
.000	.2567
45.000	.1851
90.000	.0906
135.000	.2320
180.000	.1168
225.000	-.1009
270.000	-.1140
315.000	.0437

ALPHAT(4) = 4.080 BETAT (5) = 8.240

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3040	.2074	.3049	-.2841	-.1676	-.1296	-.1128	-.0827	-.0195	-.0188	.1965	-.1007	-.1241	.2629	.3202
45.000		.0952	.1705	-.3491	-.3015	-.2261							-.0935	.2617	.2708
90.000		.0343	.1206	-.3572	-.2851	-.1439	-.0088	-.0548	-.0659	-.0573	.2013	-.0438	-.1241	.2430	.2065
135.000		.0094	.1550	-.3468	-.2705	-.1029							-.2151	.1938	.2189
180.000	1.3040	-.0108	.1967	-.3446	-.2596	-.1527	-.0168	-.0737	-.0912	.0591	.1680	-.1662	-.0679	.1182	.0483
225.000		.0506	.2211	-.3158	-.2768	-.3020	.0663						-.1652	-.0859	-.0733
270.000		.2276	1.0070		-.2606	-.2947	.0481	-.1098			.3114	-.2467	-.1828	-.1280	-.0711
315.000		.2580	.4637	-.1570	-.2392	-.1314	.0162						-.1552	.0486	.0833

X/LS	.9580
PHI	
.000	.2983
45.000	.2204
90.000	.1546
135.000	.1394
180.000	-.0020

ARC11-718 (A14 01+T12+S12N25+AT11 SRM BOOSTER (RB1S40)

ALPHAT(4) = 4.080 BETAT (5) = 8.240

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.0980
270.000	-.0758
315.000	.1439

ALPHAT(5) = 8.120 BETAT (1) = -8.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3750	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.4340	.5857	.4774	-.2111	-.0402	-.0723	.0201	.0686	.0601	.0854	.3015	-.0725	-.1750	.0831	.1547
45.000		.5292	.4711	-.2154	-.0877	-.0170							-.0087	.3363	.3726
90.000		.3655	.3615	-.2705	-.1693	-.1064	-.1163	-.1060	.0318	.0521	.3660	.1264	-.0042	.3050	.2836
135.000		.1839	.2324	-.3337	-.2725	-.1661							-.1371	.0893	-.0038
180.000	1.4340	.1016	.1789	-.3554	-.1671	-.2173	-.0600	-.0060	.0318	.1672	.3530	-.0815	-.2884	-.1070	-.1542
225.000		.2880	.0368	-.3402	-.2725	-.3310	-.0899						-.3251	-.0729	.1134
270.000		.4661	.9757		-.2631	-.2389	-.0262	.0639			.1349	-.2532	-.2079	-.1135	-.0543
315.000		.5872	.5389	-.1175	-.2020	-.0836	.0358						-.2333	-.0023	-.0270

X/LS .9580

PHI	
.000	.1584
45.000	.3493
90.000	.2521
135.000	-.0805
180.000	.0937
225.000	.1394
270.000	-.0459
315.000	-.0560

ALPHAT(5) = 8.100 BETAT (2) = -4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3750	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3980	.4440	.4520	-.2211	-.0539	-.1103	.0498	.0288	.0022	.0383	.2272	-.0701	-.1398	.1655	.2431
45.000		.3989	.4019	-.2480	-.1455	-.0893							-.0295	.3053	.3280
90.000		.2432	.2705	-.3087	-.2351	-.1685	-.1651	-.1301	-.0369	-.0283	.3148	.0801	-.0391	.2151	.1765
135.000		.1066	.1854	-.3479	-.2955	-.1731							-.1468	.0877	-.0311
180.000	1.3980	.0307	.1376	-.3446	-.1910	-.2412	-.0550	.0012	.0173	.0989	.3715	-.0764	-.2981	-.1092	-.1049
225.000		.0723	-.0095	-.3697	-.2976	-.3583	-.0606						-.2684	-.0665	.0641

```
                                                            (RP1540)

                                                           .7180   .8330   .8900   .9170   .9390

                .2497   .0516                              .1074  -.2500  -.2097  -.1355  -.0339
                                                                          -.2042   .0113   .0090

 K/LS          .9590

   PHI
      .000     .2328
    45.000     .3047
    90.000     .1474
   135.000    -.1105
   180.000     .2065
   225.000     .1135
   270.000    -.1530
   315.000    -.0090

 ALPHAT( 5) =     8.040    BETAT ( 3) =      .000

 SECTION ( 1)SRM BOOSTER                   DEPENDENT VARIABLE CP

 K/LS          .0000   .0340   .0980   .1150   .1440   .2010   .2870   .3730   .4880   .6030   .7180   .8330   .8900   .9170   .9390

   PHI
      .000    1.3550   .4017   .4297  -.2273  -.0591  -.1190  -.1131  -.0306  -.0216   .0179   .1231  -.0906  -.0956   .2435   .3120
    45.000             .2949   .3299  -.2772  -.1067  -.1576                                                  -.0492   .0392   .2826
    90.000             .1407   .1930  -.3426  -.2635  -.2174  -.1771  -.0023  -.0401  -.0316   .0511   .0370  -.0730   .1771   .1109
   135.000             .0512   .1306  -.3570  -.3019  -.1506                                                  -.1605   .0947  -.0114
   180.000    1.3550  -.0109   .1130  -.3571  -.2073  -.2431  -.0040   .0041   .0104   .0910   .3043  -.1255  -.2091  -.0307   .1935
   225.000            -.0014  -.0279  -.3976  -.2000  -.1356  -.0104                                          -.1983  -.1356   .0572
   270.000             .1341   .1149          -.1022  -.1071   .0135  -.0064                   .2204  -.2453  -.2151  -.1459  -.0316
   315.000             .3521   .5434  -.1092  -.1910  -.1209   .0047                                          -.1550   .1507   .0673

 K/LS          .9580

   PHI
      .000     .2919
    45.000     .2574
    90.000     .1330
   135.000    -.1116
   180.000     .0472
   225.000     .1027
   270.000    -.1657
   315.000     .1670
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ARC11-716 IA14 01+T12+S12N25+AT11 SRM BOOSTER (RB1540)

ALPHAT(5) = 8.150 BETAT (4) = 8.300

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.2540	.[illegible]	.5609	-.2554	-.0615	-.0695	-.1065	-.1210	-.0467	-.0352	.1290	-.0893	-.0587	.2990	.4108
45.000		.[illegible]	.1623	-.3580	-.3025	-.2723							-.0339	.1982	.2015
90.000		.[illegible]	.0391	-.4061	-.[illegible]	-.2317	-.0992	-.1479	-.0796	-.0575	.2116	-.0109	.1116	.2400	.1789
135.000		.[illegible]	.0721	-.3755	.[illegible]	-.1361							-.2034	.1725	.2098
180.000	1.1354	[illegible]	[illegible]	-.4721	-.2554	.2425	.0340	-.0242	-.0422	.0722	.1947	-.1673	-.0597	.1356	.0765
225.000	[illegible]	[illegible]	[illegible]	[illegible]	.4124	.[illegible]	.3243	.0069					-.1440	-.0503	-.0387
270.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.[illegible]	-.2979	-.0450	-.0995		.2070	-.2234	-.1560	-.0936	-.0388
315.000	[illegible]	[illegible]	[illegible]	-.1826	-.1137	.0535	.0085						-.1232	.1500	.2765

X/LS .[illegible]

PHI

.000	[illegible]
45.000	[illegible]
90.000	[illegible]
135.000	[illegible]
180.000	[illegible]
225.000	[illegible]
270.000	[illegible]
315.000	[illegible]

REFERENCE DATA

PARAMETRIC DATA

MACH = .600 ELEVON = .000

ALPHA = -8.000 BETA = .000

SPOILER 1 ON BOOSTER

		.0340						.1730	.4890	.6530	.7190	.8330	.8900	.9170	.9390

ALPHA = -3.270 BETA = .000

SPOILER 1 ON BOOSTER

		.0340						.1730	.4890	.6530	.7190	.8330	.8900	.9170	.9390

ARC11-716 IA14 OL+T12+S12N25 SRM BOOSTER (RB1841)

ALPHAT(1) = -8.270 BETAT (2 = 4.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9530

PHI

.000	.0177
45.000	-.1297
90.000	-.1023
135.000	-.0734
180.000	.0176
225.000	.1150
270.000	.1197
315.000	.1198

[illegible] 17.

[illegible] DEPENDENT VARIABLE CP

[illegible]														
[illegible]						.0010	.2070	.3750	.4980	.6030	[illegible]	.8530	.8900	.9170	.9360
[illegible]															
[illegible]						.5487	-.1667	-.1618	-.0623	-.0809	-.0572	-.0640	.1008	.3990	.2507
[illegible]						.1552							.0183	.2982	.0528
[illegible]						-.2890	-.2001	.597	-.1517	-.1364	-.0883	-.0955	.0154	.1150	.0192
[illegible]						.3515							-.0167	.1117	.0369
[illegible]						-.2003	-.2226	.1917	-.1296	-.1629	-.1769	-.2494	-.0827	.0436	.0068
[illegible]						-.0970	-.0775						-.1970	-.0920	-.0808
[illegible]			.2099			.5922	-.1639	.0749			.0032	-.4907	-.2412	-.1047	-.1187
[illegible]			-.7262	-.5505		.4755	-.0795						-.1339	.1295	.1047

[illegible] .3490

PHI

XXX	[illegible]
[illegible]	.874
[illegible]	.843
[illegible]	.[illegible]
[illegible]	[illegible]
[illegible]	.[illegible]
[illegible]	-.1754
[illegible]	.0215

AR211-718 TA14 [illegible] SRM BOOSTER (RB1341)

ALPHAT (2) = -4.310 BETAT (1) = -5.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4590	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0610	.0435	-.7048	-.6693	-.2496	-.1738	-.0992	-.0918	-.0[illegible]	.0810	-.0181	-.2121	-.1835	-.0343	-.1854
45.000		.0669	-.6516	-.5455	-.2405	-.1901							-.1079	.1349	-.0201
90.000		.2253	-.4307	-.3559	-.1465	-.0972	-.0389	-.0833	-.0963	-.1169	-.0555	-.0649	.0634	.3516	.1875
135.000		.3366	-.3213	-.2595	-.0589	-.0167							.0968	.3828	.2250
180.000	1.0610	.3599	-.3117	-.2231	-.0232	.0207	.0111	.0051	.0166	-.0102	.0220	-.2336	-.0832	.1465	.0352
225.000		.3230	-.2914	-.2775	-.1016	.0421	.0014						-.2545	-.1612	-.1671
270.000		.2268	.3379		-.7360	-.0307	-.0350	-.0429			.1483	-.3025	-.2315	-.1713	-.1483
315.000		.0605	-.8014	-.8729	-.7122	-.1905	-.0852						-.2636	-.1639	-.1619

X/LS .9580

PHI	
.000	-.2299
45.000	-.1115
90.000	.0516
135.000	.0717
180.000	-.0686
225.000	-.1696
270.000	-.1168
315.000	-.1748

ALPHAT (2) = -4.290 BETAT (2) = -4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4590	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0600	.0321	-.7113	-.6[illegible]	-.2479	-.1665	-.0930	-.0778	-.0734	-.0844	-.0347	-.[illegible]515	-.1257	-.0181	-.0480
45.000		.0597	-.6730	-.5990	-.2252	-.1665							-.0504	.1648	.0456
90.000		.1553	-.5350	-.4512	-.1752	-.1250	-.1216	-.1168	-.1103	-.1242	-.0691	-.[illegible]035	.0551	.3026	.1579
135.000		.2690	-.3949	-.3245	-.1178	-.0727							.0771	.3145	.1021
180.000	1.0600	.3467	-.3446	-.2876	-.0604	-.0231	-.0111	-.0589	-.0178	-.0838	-.1124	-.2081	-.1434	.1613	-.0505
225.000		.3507	-.3050	-.2576	-.1214	-.0[illegible]	-.0[illegible]						-.1721	-.0[illegible]	-.0571
270.000		.2136	.3777		-.8031	-.0[illegible]	-.0[illegible]	-.0497			.1497	-.3011	-.2459	-.1968	-.1721
315.000		.0615	-.8181	-.7801	-.7481	-.1625	-.0[illegible]						-.2294	-.1[illegible]	-.1482

X/LS .9580

PHI	
.000	-.1679
45.000	-.0890
90.000	.0179
135.000	.0405
180.000	-.0487

ARC11-716 IA14 C1+T12+S12N25 SRM BOOSTER (PB1341)

ALPHAT(2) = -4.290 BETAT (2) = -4.080

SECTION = 1 SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.0995
270.000	-.1747
315.000	-.1744

ALPHAT(2) = -4.290 BETAT (3) = .000

SECTION = 1 SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0440	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0000	.0000	-.7144	-.7127	-.1567	.1474	-.0918	.1363	-.0697	-.0965	-.0826	-.1606	-.0824	.0330	-.0225
45.000			-.7221	-.7036	-.2027	-.1410							-.0104	.1746	.0421
90.000			-.8247	-.8467	-.1546	-.1340	-.1332	-.1157	-.1140	-.1311	-.0850	-.0824	.0456	.2504	.1084
135.000			-.8102	-.8271	-.1124	-.1205							.0447	.2522	.1477
180.000	1.0000	.0000	-.7144	-.7127	-.1567	.1474	-.0918	.1363	-.0697	-.0965	-.0826	-.1606	-.0824	.0330	-.0225
225.000			-.7221	-.7036	-.2027	-.1410							-.0104	.1746	.0421
270.000			-.8247	-.8467	-.1546	-.1340	-.1332	-.1157	-.1140	-.1311	-.0850	-.0824	.0456	.2504	.1084
315.000			-.8102	-.8271	-.1124	-.1205							.0447	.2522	.1477

X/LS .9580

PHI	
.000	-.1091
45.000	-.0759
90.000	-.0961
135.000	-.0749
180.000	-.0449
225.000	-.1759
270.000	-.1104
315.000	-.1284

ALPHAT(2) = -4.290 BETAT (4) = 4.290

SECTION = 1 SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0440	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0000	.0000	-.7129	-.7067	-.2571	-.1528	-.0827	-.0589	-.0477	-.0709	-.0391	-.1192	.0307	.2018	.1943
45.000		.0104	-.7017	-.8608	-.1978	-.1124							.0394	.2018	.0421
90.000		.0893	-.8452	-.8138	-.2128	-.1402	-.1227	-.1057	-.0894	-.0979	-.0849	-.0689	.0485	.2100	.0739
135.000		.1241	-.8721	-.8137	-.2317	-.1961							.0224	.1739	.0912
180.000	1.0000	.0000	-.7129	-.7067	-.2571	-.1528	-.0827	-.0589	-.0477	-.0709	-.0391	-.1192	.0307	.2018	.1943
225.000		.0104	-.7017	-.8608	-.1978	-.1124							.0394	.2018	.0421
270.000		.0893	-.8452	-.8138	-.2128	-.1402	-.1227	-.1057	-.0894	-.0979	-.0849	-.0689	.0485	.2100	.0739
315.000		.1241	-.8721	-.8137	-.2317	-.1961							.0224	.1739	.0912
180.000	1.0000	.0000	-.7129	-.7067	-.2571	-.1528	-.0827	-.0589	-.0477	-.0709	-.0391	-.1192	-.0375	.1117	.0821
225.000		.0179	-.2521	-.0133	-.1501	-.0337	-.0810						-.1699	-.0460	-.0448

[illegible] SRM BOOSTER (RB1841)

ALPHAT 1 = -4.190 BETAT 1 = 8.040

SECTION 1 SRM BOOSTER DEPENDENT VARIABLE CP

X/L	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7190	.8350	.8900	.9170	.9390
RM1															
.000	1.0090	-.0143	-.7127	-.6903	-.2041	-.1231	-.0784	-.0482	-.0358	-.0391	-.0161	-.0620	.1283	.3855	.2424
45.000		-.0164	-.7172	-.6905	-.1807	-.1060							.1029	.3258	.1616
90.000		-.0173	-.6773	-.6601	-.2057	-.1748	-.1167	-.1067	-.0915	-.1006	-.0452	-.0755	.0325	.2096	.0194
135.000		.0551	-.6351	-.6555	-.2572	-.2761							.0067	.1525	-.0526
180.000	1.0090	.2734	-.6193	-.6409	-.3111	-.3553	-.1904	-.1537	-.1006	-.1239	-.1181	-.2288	-.0226	.0417	-.0000
225.000		.4368	-.7041	-.8017	-.3118	-.3111	-.2964						-.1015	-.0344	-.0163
270.000		.2838	.3431		-.3419	-.3120	-.2228	-.0985			.0168	-.3949	-.2126	-.1.00	-.1.00
315.000		.0621	-.7659	-.6775	-.6571	-.1330	-.0731						.1197	.1561	.0620

X/L	.9580
RM1	
.000	.0824
45.000	.1147
90.000	.0196
135.000	-.0586
180.000	-.1682
225.000	-.0963
270.000	-.1732
315.000	-.0214

ALPHAT 2 = -4.190 BETAT 2 = 8.140

SECTION 1 SRM BOOSTER DEPENDENT VARIABLE CP

X/L	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7190	.8350	.8900	.9170	.9390
RM1															
.000	1.0090	-.0145	-.7127	-.6903	-.2041	-.1231	-.0784	-.0482	-.0358	-.0391	-.0161	-.0620	.1283	.3855	.2424
45.000		-.0164	-.7172	-.6905	-.1807	-.1060							.1029	.3258	.1616
90.000		-.0173	-.6773	-.6601	-.2057	-.1748	-.1167	-.1067	-.0915	-.1006	-.0452	-.0755	.0325	.2096	.0194
135.000		.0551	-.6351	-.6555	-.2572	-.2761							.0067	.1525	-.0526
180.000	1.0090	.2734	-.6193	-.6409	-.3111	-.3553	-.1904	-.1537	-.1006	-.1239	-.1181	-.2288	-.0226	.0417	-.0000
225.000		.4368	-.7041	-.8017	-.3118	-.3111	-.2964						-.1015	-.0344	-.0163
270.000		.2838	.3431		-.3419	-.3120	-.2228	-.0985			.0168	-.3949	-.2126	-.1.00	-.1.00
315.000		.0621	-.7659	-.6775	-.6571	-.1330	-.0731						.1197	.1561	.0620

X/L	.9580
RM1	
.000	.0824
45.000	.1147
90.000	.0196
135.000	-.0586
180.000	-.1682
225.000	-.0963
270.000	-.1732
315.000	-.0214

APC11-710 IA14 01+T12+S12+25 SRM BOOSTER (RB1841)

ALPHAT(3) = -.480 BETAT (1) = -8.150

SECTION = 1) SRM BOOSTER DEPENDENT VARIABLE CP

X/L=	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0890	.7144	.6250	.5493	-.1931	-.1206	-.0669	-.0528	-.0422	-.0496	.0255	-.1701	-.1155	.0618	-.0883
45.000		.2543	.1835	.4181	.1601	-.0991							.0047	.2703	.0951
90.000		.1116	.0275	-.1347	-.0532	-.0325	-.0279	-.0128	-.0131	-.0170	.0551	-.0059	.1149	.4062	.2172
135.000		.2111	.4130	.3[illegible]	.0670	-.0086							.0709	.3536	.[illegible]3
180.000	1.0690	.1[illegible]	.[illegible]2[illegible]	.3[illegible]	.[illegible]47	.[illegible]174	.0047	-.0008	.0227	.0186	.0[illegible]	-.2010	-.0830	.1227	.[illegible]18
225.000		.[illegible]	.[illegible]	.4[illegible]	-.[illegible]	.[illegible]364	.[illegible]747						-.2266	-.1413	-.1548
270.000		.[illegible]	.[illegible]		-.[illegible]	.[illegible]	-.[illegible]	-.0225			.1668	-.2751	-.2136	-.1648	-.1462
315.000		.[illegible]	.[illegible]	-.6032	-.[illegible]	-.1762	-.[illegible]						-.2330	-.1433	-.1591

X/L= .9[illegible]

PHI	
.000	-.[illegible]
45.000	-.[illegible]
90.000	.[illegible]
135.000	.412
180.000	-.[illegible]
225.000	.[illegible]
270.000	-.1171
315.000	-.[illegible]

ALPHAT(3) = -4.[illegible] BETAT (2) = 4.[illegible]

SECTION = 1) SRM BOOSTER DEPENDENT VARIABLE CP

X/L=	.0000	.[illegible]	.0980	.1150	.1440	.[illegible]	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.[illegible]	.1356	-.6347	.5673	-.1945	-.1141	-.[illegible]687	-.0509	-.0425	-.0495	.0068	-.1478	-.0722	.1042	-.0117
45.000		.1819	-.[illegible]	-.4[illegible]	.1624	-.[illegible]							.0405	.2799	.1234
[illegible]		[illegible]	.[illegible]	.4[illegible]	.[illegible]	-.[illegible]	-.0478	-.0402	-.0329	-.0347	.0165	-.0223	.1018	.3550	.1848
[illegible]		.2[illegible]	.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]462							.0634	.2943	.1595
[illegible]	1.[illegible]	.2[illegible]	-.[illegible]	-.[illegible]	.[illegible]	-.[illegible]	-.0376	-.0378	-.0299	-.0191	.0[illegible]	-.1895	-.0654	.1154	.0256
[illegible]		.2668	-.[illegible]	.4[illegible]	.[illegible]	-.[illegible]	-.[illegible]420						-.1915	-.0931	-.0749
[illegible]		.2[illegible]	.4146		-.[illegible]	-.[illegible]246	-.[illegible]569	-.0499			.1461	-.2582	-.2259	-.1801	-.1439
[illegible]		.1[illegible]	-.69[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]						-.2074	-.1091	-.1560

X/L= .9[illegible]

PHI	
.000	-.[illegible]987
45.000	.[illegible]
90.000	.[illegible]411
135.000	.[illegible]176
180.000	-.[illegible]772

(RB1541)

	.0000	.0340	.0680	.1020	.1360	.1700	.2040	.2380	.2720	.3060	.3400	.3740	.4080	.4420
	1.0000	.1282	-.6392	-.5962	-.2109	-.1130	.0473	-.0457	-.0443	-.0531	.0000	-.1371	-.0246	.1573
		.1194	-.6278	-.5494	-.1790	-.0947							.0566	.2603
		.1417	-.6633	-.4912	-.1436	-.0781	.0423	-.0804	-.0416	-.0437	.0035	-.0431	.0993	.2791
		.1745	-.6949	-.4506	-.1415	-.0810							.0389	.2215
	.5000	.2091	.4839	.4191	-.1374	-.0699	.0764	-.0528	-.0340	-.0491	-.0223	.0049	-.0632	.0903
		.2602	-.4671	-.4523	-.2421	-.0315	.0700						-.1695	-.0940
		.3201	.4183		-.2572	-.0426	.0774	-.0313			.1292	-.2794	-.2184	-.1422
		.1949	-.6744	-.6291	-.4319	-.1903	.0844						-.1726	-.0517

	.9590													
	.0000	-.0284												
		-.0272												
		-.0008												
		-.2119												
		.0509												
		-.1041												
		-.1109												
		-.1144												

	.0000	.0340	.0680	.1020	.1360	.1700	.2040	.2380	.2720	.3060	.3400	.3740	.4080	.4420
	1.0000	.1119	-.6494	-.6004	-.2234	-.1216	-.0511	-.0437	.0000	-.0159	-.0000	-.0000	.0000	.0000
		.0792	-.6192	-.5814	-.2196	-.1139							.0393	.2483
		.0469	-.5833	-.5403	-.1843	-.0961	.0511	-.0437	-.0415	-.0227	.0527	.0000	.0000	.2693
		.0180	-.5396	-.5123	-.1755	-.0926							.0271	.1778
	.5000	.2178	-.6014	-.4761	-.1717	-.0874	.1134	-.0455	-.0638	-.0757	-.0473	.2062	-.0505	.0113
		.3183	-.6144	-.4282	-.1896	-.1436	-.0703						-.1664	-.0665

	.9590													
	.0000	-.0284												
		-.0272												
		-.0008												
		-.2119												
		.0509												
		-.1041												
		-.1109												
		-.1144												

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1841)

ALPHAT(3) = -.480 BETAT (4) = 4.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3281	.4254		-.8573	-.0454	-.0999	-.0762			.1210	-.3441	-.2310	-.1250	-.0602
315.000		.2132	-.6607	-.6117	-.4272	-.1866	-.0557						-.1564	.0736	.0755

X/LS	.9580
PHI	
.000	.0523
45.000	-.0163
90.000	-.0157
135.000	-.0334
180.000	-.[illegible]
225.000	-.[illegible]
270.000	-.[illegible]
315.000	.[illegible]

ALPHAT(3) = -.470 BETAT (5) = [illegible]

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0470	.0883	-.6557	-.5311	-.2410	-.1317	-.0847	-.0573	-.0535	-.0621	-.0071	-.0480	.1373	.3687	.2480
45.000		.0340	-.6843	-.6255	-.1776	-.0981							.1056	.2975	.1218
90.000		.0307	-.6504	-.5776	-.1512	-.0771	-.0643	-.0547	-.0526	-.0576	-.0373	-.0332	.0702	.2110	.0819
135.000		.0614	-.6316	-.5770	-.2061	-.1490							.0133	.1830	.0529
180.000	1.0470	.1855	-.5213	-.4602	-.2120	-.1611	-.1579	-.1223	-.0804	-.0898	-.0643	-.2175	-.0756	.0760	.0140
225.000		.3360	-.3840	-.4159	-.2410	-.0723	-.1226						-.1780	-.0577	-.0320
270.000		.3569	.4317		-.8724	-.0613	-.1274	-.1025			.0020	-.3616	-.2314	-.0949	-.0968
315.000		.2299	-.6288	-.5758	-.4004	-.1887	-.0569						-.0812	.1951	.2203

X/LS	.9580
PHI	
.000	.0879
45.000	-.0162
90.000	-.0443
135.000	-.0572
180.000	-.0628
225.000	-.0850
270.000	-.1439
315.000	.1454

VCC11-718 A14 C1A12+S12N2S SRM BOOSTER (RS1341)

ALPHAT(4) = 4.000 BETAT (1) = -3.170

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4590	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0710	.2979	-.4643	-.3809	-.1113	-.0347	-.0165	-.0074	.0017	-.0036	.0559	-.1304	-.0810	.1532	.0081
45.000		.3129	-.4125	-.3034	-.0869	-.0239							.0913	.3765	.1681
90.000		.2560	-.3935	-.3.93	-.0358	-.0267	-.0127	-.0071	.0073	.0234	.0775	.0017	.1202	.4121	.2113
135.000		.1626	-.5055	-.4138	-.1301	-.0684							.0078	.2790	.1055
180.000	1.0710	.1192	-.5532	.4528	-.1340	-.0371	-.0177	-.0136	.0158	.0474	.0602	-.2066	-.1283	.0761	-.0502
225.000		.1272	-.6135	-.5203	-.4059	-.0911	-.0007						-.2224	-.1431	-.1490
270.000		.2393	.4065		-.7448	-.4025	-.0415	-.0116			.1719	-.2788	-.2341	-.1862	-.1405
315.000		.2847	-.5050	-.4105	-.2122	-.0253	-.0397						-.1929	-.0948	-.1368

X/LS .9580

PHI	
.000	-.0906
45.000	.0468
90.000	.0655
135.000	-.0194
180.000	-.1317
225.000	-.1605
270.000	-.1238
315.000	-.1635

ALPHAT(4) = 4.100 BETAT (2) = -4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4590	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0700	.2989	-.4389	-.3312	-.1202	-.0456	-.0355	-.0171	-.0138	-.0303	.0396	-.1148	-.0166	[illegible]	.0547
45.000		.2515	-.4666	-.3594	-.1211	-.0504							[illegible]	[illegible]	.1609
90.000		.1952	-.4349	-.4117	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0367	[illegible]	.1559
135.000		.1322	-.5391	-.4629	-.1410	-.0556							[illegible]	[illegible]	[illegible]
180.000	1.0700	.1133	-.5729	-.4871	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
225.000		.1239	-.6410	-.5663	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]	[illegible]
270.000		.2534	.3361		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
315.000		.3039	-.4690	-.4113	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]	[illegible]

X/LS .9595

PHI	
.000	-.0288
45.000	.0525
90.000	.0525
135.000	-.0328
180.000	-.1076

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1541)

ALPHAT(4) = 4.100 BETAT (2) = -4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1017
270.000	-.1055
315.000	-.1453

ALPHAT(4) = 4.110 BETAT (3) = .030

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1130	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0560	.2744	.5155	-.4115	-.1468	-.0690	-.0574	-.0409	-.0365	-.0427	.0128	-.0992	.0382	.3608	.1603
45.000		.1359	-.5379	-.4586	-.1504	-.0876							.0936	.3177	.1656
90.000		.1222	-.5650	-.4889	-.1407	-.0811	-.0642	-.0601	-.0427	-.0302	.0279	-.0458	.0659	.2564	.1042
135.000		.0969	-.5977	-.5014	-.1512	-.0829							.0173	.1539	.0528
180.000	1.0560	.0945	-.6074	-.5195	-.1746	-.0848	-.0660	-.0501	-.0155	.0005	.0127	-.1888	-.0497	.0915	.0259
225.000		.1389	-.6402	-.5819	-.4594	-.1598	-.0974						-.1355	-.0297	-.0320
270.000		.2702	-.6923		-.5064	-.0909	-.0929	-.0486			.1555	-.2618	-.1820	-.1029	-.0592
315.000		.5307	-.4583	-.4118	-.2399	-.0344	-.0580						-.1372	.0129	-.0246

X/LS .9580

PHI	
.000	.0218
45.000	.0153
90.000	-.0261
135.000	-.0627
180.000	-.0769
225.000	-.0964
270.000	-.0875
315.000	-.0749

ALPHAT(4) = 4.100 BETAT (4) = 4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0530	.2548	-.5345	-.4341	-.1722	-.0920	-.0859	-.0689	-.0639	-.0645	-.0152	-.0764	.0943	.3823	.2309
45.000		.1217	-.6250	-.5357	-.1893	-.1194							.0796	.2949	.1231
90.000		.0655	-.6232	-.5490	-.1645	-.0858	-.0747	-.0645	-.0498	-.0419	.0054	-.0508	.0474	.2006	.0460
135.000		.0681	-.6115	-.5460	-.1568	-.0864							.0354	.2074	.0655
180.000	1.0530	.0811	-.5985	-.5519	-.1975	-.1065	-.0838	-.0586	-.0283	-.0246	-.0067	-.1836	-.0297	.1308	.0578
225.000		.1423	-.6123	-.5819	-.4525	-.1598	-.0711						-.1181	-.0070	-.0111

ARC11-716 IA14 C1+T12+S12N25 SRM BOOSTER (RB1841)

ALPHAT(4) = 4.100 BETAT (4) = 4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.2997	.4064		-.0210	-.0706	-.0947	-.0545			.1358	-.3054	-.1817	-.0794	-.0258
315.000		.3398	-.4671	-.4367	-.2405	-.0349	-.0564						-.0986	.1349	.1040

X/LS .9580

PHI	
.000	.0825
45.000	-.0124
90.000	-.0701
135.000	-.0672
180.000	-.0459
225.000	-.0693
270.000	-.0704
315.000	.0404

ALPHAT(4) = 4.100 BETAT (5) = 8.200

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0240	.2243	-.5447	-.4606	-.2074	-.1292	-.1268	-.1026	-.0926	-.0896	-.0368	-.0525	.1371	.4187	.2586
45.000		.0521	-.6778	-.5924	-.2252	-.1611							.0584	.2567	.0861
90.000		.0143	-.6467	-.5345	-.1617	-.0100	-.0717	-.0769	-.0704	-.0647	-.0102	-.0339	.0431	.1672	.0158
135.000		.0285	-.6385	-.5344	-.1644	-.0932							.0390	.2739	.1158
180.000	1.0240	.0598	-.6130	-.5663	-.2341	-.1377	-.1059	-.0792	-.0470	-.0440	-.0283	-.1679	-.0128	.1542	.0092
225.000		.1536	-.6039	-.5590	-.4612	-.1899	-.0984						-.1192	.0308	-.0010
270.000		.3235	.4092		-.8152	-.0351	-.0916	-.0742			.1327	-.3431	-.1729	-.0457	-.0229
315.000		.3825	-.4218	-.4085	-.2145	-.0209	-.0469						-.0576	.2497	.1513

X/LS .9580

PHI	
.000	.0901
45.000	-.0609
90.000	-.0979
135.000	-.0117
180.000	-.0398
225.000	-.0735
270.000	-.1005
315.000	.1653

ARC11-716 1A14 O1+T12+S12N25 SRM BOOSTER (RB1841)

ALPHAT(5) = 8.040 BETAT (1) = -8.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	.9861	.4177	-.3520	-.2482	-.0474	.0166	.0240	.0291	.0341	.0297	.0691	-.0688	.0108	.2656	.1044
45.000		.3601	-.3444	-.2586	-.0664	-.0122							.1332	.4436	.2400
90.000		.1708	-.4430	-.3577	-.1572	-.0982	-.0701	-.0723	-.0570	-.0142	.0332	-.0332	.0716	.3510	.1522
135.000		.0245	-.6019	-.5039	-.2127	-.1607							-.0470	.1849	.0152
180.000	.9861	[illegible]	[illegible]	-.4891	-.1672	-.1206	-.0852	-.0632	-.0183	.0373	.0527	-.1908	-.0974	.0530	-.0799
225.000		-.2114	-.6412	-.4725	-.6614	-.1387	.0014						-.1944	-.1104	-.1084
270.000		[illegible]	.3153		-.5901	.0392	.0005	.0074			.1561	-.2685	-.2076	-.1612	-.1064
315.000		.0[illegible]	-.3370	-.2573	-.1155	.0539	.0286						-.1666	-.0309	-.0797

X/LS	.9580
PHI	
.000	-.0183
45.000	.0878
90.000	.0239
135.000	-.0952
180.000	-.1557
225.000	-.1475
270.000	-.1096
315.000	-.1435

ALPHAT(5) = 8.080 BETAT (2) = -4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	.9917	.4111	-.3694	-.2753	-.0740	-.0169	-.0094	-.0065	.0009	-.0021	.0509	-.0680	.0418	.2899	.1575
45.000		.2788	-.4263	-.3252	-.1274	-.0753							.1047	.3921	.2115
90.000		.0930	-.5642	-.4502	-.2031	-.1407	-.1320	-.1277	-.1050	-.0575	.0197	-.0694	.0280	.2810	.0913
135.000		.0096	-.8232	-.6495	-.2127	-.1476							-.0368	.1458	-.0100
180.000	.9917	-.0074	-.6212	-.4230	-.1975	-.1181	-.0789	-.0711	-.0481	-.0145	.0100	-.1551	-.0710	.0377	-.0542
225.000		-.0335	-.6813	-.5280	-.7579	-.1379	-.0189						-.1452	-.0598	-.0574
270.000		.1188	.2913		-.6833	.0330	-.0242	-.0189			.1615	-.2348	-.1927	-.1118	-.0761
315.000		.3750	-.2945	-.2650	-.1331	.0336	.0082						-.1564	-.0097	-.0672

X/LS	.9580
PHI	
.000	.0295
45.000	.0643
90.000	-.0230
135.000	-.1091
180.000	-.1383

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1541)

ALPHAT(5) = 8.080 BETAT (2) = -4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.0870
270.000	-.0825
315.000	-.1162

ALPHAT(5) = 8.090 BETAT (3) = -.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	.9754	.3951	-.3935	-.3069	-.1084	-.0521	-.0517	-.0442	-.0427	-.0445	.0100	-.0619	.0884	.3612	.2205
45.000		.1964	-.5114	-.4112	-.1961	-.1397							.0707	.3184	.1496
90.000		.0310	-.6139	-.5395	-.2263	-.1695	-.1554	-.1476	-.1195	-.0710	.0156	-.0843	-.0013	.2043	.0150
135.000		-.0109	-.6423	-.5955	-.1900	-.1282							-.0149	.0981	-.0236
180.000	.9754	-.0148	-.6423	-.5539	-.2150	-.1488	-.0801	-.0349	-.0365	-.0019	.0197	-.1444	-.0405	.1498	.0325
225.000		-.0495	-.7038	-.5622	-.7917	-.1327	-.0437						-.1216	.0050	.0012
270.000		.1397	.2893		-.7147	.0041	-.0057	-.0362			.1487	-.2529	-.1818	-.0880	-.0366
315.000		.4098	-.2682	-.2559	-.1382	.0136	.0065						-.0989	.0853	.0333

X/LS .9580

PHI	
.000	.0698
45.000	.0020
90.000	-.0948
135.000	-.1325
180.000	-.0822
225.000	-.0913
270.000	-.0731
315.000	-.0270

ALPHAT(5) = 7.950 BETAT (4) = 8.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	.9567	.3395	-.3775	-.3495	-.1216	-.0761	-.0747	-.0563	-.0378	-.0487	.0374	-.0647	.1507	.4548	.2651
45.000		.0155	-.6095	-.5051	-.2117	-.1644							.0015	.2349	.0132
90.000		-.0738	-.6907	-.5407	-.2346	-.1782	-.1641	-.1563	-.1283	-.0928	-.0418	.0021	-.0132	.1180	-.0288
135.000		-.0511	-.6477	-.6111	-.2171	-.1533							.0129	.2319	.0515
180.000	.9783	.0467	-.6904	-.6011	-.2665	-.1937	-.1114	-.0751	-.1254	.0397	-.1106	-.1424	.0032	.2032	.1030
225.000		-.1347	-.8037	-.5943	-.7221	-.1731	-.0914						-.0949	.0369	.0285

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1841)

ALPHAT(5) = 7.950 BETAT (4) = 8.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.1973	.2964		-.7239	-.0573	-.0585	-.0625			.1642	-.3101	-.1732	-.0359	-.0151
315.000		.4855	-.1966	-.2549	-.1156	.0127	-.0009						.0102	.3350	.3157

X/LS	.9580
PHI	
.000	.0935
45.000	-.1137
90.000	-.1399
135.000	-.0449
180.000	-.0118
225.000	-.0617
270.000	-.0390
315.000	.1151

AP011-716 DA14 01+713+012+25 SRM BOOSTER (RB1842) (14 FEB 74)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMC = 39.5800 INCHES
LREF = 38.7000 INCHES YMC = .0000 INCHES
BREF = 38.7000 INCHES ZMC = .0000 INCHES
SCALE = .0370 SCALE

PARAMETRIC DATA

MACH = .750 ELEVON = .000
RUDDER = .000 SPOBRK = .000

ALPHAT(1) = -8.370 BETAT (1) = -8.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2970	.3750	.4890	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0390	-.0320	-.3641	-.7690	-.4420	-.4153	-.1750	-.1594	-.1525	-.1625	-.0667	-.2953	-.2524	-.1384	-.2489
													-.2009	-.0514	-.1714
45.000		-.0340	-.3587	-.8598	-.3785	-.4059									
90.000		.1518	-.3790	-.7829	-.2818	-.2627	-.2934	-.2769	-.2608	-.2929	-.1770	-.1902	-.0167	.2742	.1584
													.0878	.4215	.2977
135.000		.4048	-.1549	-.6221	-.0877	-.0640									
180.000	1.0380	.5139	-.0964	-.4402	.0166	.0286	.0100	.0119	.0416	-.0094	.0392	-.3352	-.1132	.1259	.0787
													-.2941	-.2385	-.2138
225.000		.4180	-.0311	-.2260	-.0495	-.0041	.0232								
270.000		.1034	.3457		-.6457	-.0414	-.2409	-.1494			.0518	-.3607	-.2724	-.2232	- 1996
													-.3231	-.2574	-.1886
315.000		-.0663	-.6731	-.6361	-.6499	-.5501	-.0934								

X/LS	.9590
PHI	
.000	-.2790
45.000	-.2317
90.000	.0343
135.000	.1419
180.000	-.0239
225.000	-.2072
270.000	-.1485
315.000	-.1814

ALPHAT(1) = -8.220 BETAT (2) = -4.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2970	.3750	.4890	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0332	-.0349	-.3529	-.7535	-.4200	-.3931	-.1647				-.1514	-.2911	-.2332	-.1197	-.0961	-.1576
														.1205	.0042	-.1179
45.000		-.0323	-.3411	-.7967	-.3577	-.3811										
90.000		.0806	-.4423	-.8027	-.3117	-.2611	-.3014	-.2770	-.2710	-.3035	-.1596	-.2907	-.0911	.2593	.1354	
													.0570	.3271	.2113	
135.000		.3298	-.1304	-.7266	-.1870	-.1881										
180.000	1.0320	.5033	-.1241	-.4313	-.0405	-.0171	-.0501	.0141	-.0096	-.0666	-.0089	-.3269	-.1093	.0961	.0795	
													-.2565	.1590	-.0855	
225.000		.4521	-.0241	-.1941	-.0821	-.0414	-.0107									
270.000		.1755	.3597		-.6100	-.0476	-.2338	-.1242			.1612	-.3427	-.2735	-.1999	-.1521	
315.000		-.0662	-.6573	-.6191	-.6376	-.5412	-.0936						-.3097	-.2271	-.1974	

X/LS	.9590

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1342)

ALPHAT(1) = -8.220 BETAT (2) = -4.060

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
.000	-.2158
45.000	-.1889
90.000	.0249
135.000	.1709
180.000	-.0954
225.000	-.1014
270.000	-.1914
315.000	-.2142

ALPHAT(1) = -8.20 BETAT (3) = .010

SECTION (2)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0140	.0980	.1470	.1470	.2010	.2870	.3730	.4980	.6030	.7190	.8330	.9900	.9170	.9390
PHI															
.000	1.0210	-.0405	-.3393	-.7618	-.4229	-.3567	-.1099	-.0977	-.1352	-.1928	-.1593	-.2326	-.1227	-.0062	-.1033
45.000		-.0412	-.5397	-.7401	-.4853	-.2930							-.0824	.0228	-.0750
90.000		.0247	-.4967	-.6284	-.3479	-.2223	-.2907	-.2717	-.2501	-.2818	-.1391	-.1905	-.0357	.1325	.0641
135.000		.2599	-.3424	-.5342	-.2632	-.2556							-.0010	.1855	.1568
180.000	1.0210	.4894	.432	-.5242	-.1139	-.1155	-.1159	-.0915	-.0514	-.1159	-.0762	-.2819	-.0566	.1163	.0720
225.000		.4834	-.0013	-.1639	-.0971	-.0971	-.0520						-.2161	-.0890	-.0589
270.000		.1216	.3343		-.5934	-.7808	-.2178	-.0899			.1466	-.3318	-.2654	-.1961	-.1349
315.000		-.0909	-.6369	-.8125	-.6081	-.5705	-.0969						-.2551	-.1134	-.1038

X/LS .9580

PHI	
.000	-.1907
45.000	-.1695
90.000	-.0460
135.000	.0248
180.000	-.0398
225.000	-.0939
270.000	-.1370
315.000	-.1015

APC11-716 1A14 C1+Y12+S12+25 SRM BOOSTER (R81342)

ALPHAT (1) = -8.210 BETAT (4) = 4.090

SECTION 1 SRM BOOSTER DEPENDENT VARIABLE CP

X / S	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0000	-.0519	.5350	-.7909	-.3917	-.3138	-.0754	-.0826	-.0704	-.0957	-.0744	.1660	-.0137	.3354	.1788
45.000		-.0513	-.5345	-.7336	-.4181	-.2395							-.0261	.0926	-.0099
90.000		-.0482	-.5393	-.9191	-.3607	-.3156	-.2007	-.2245	-.1840	-.2004	-.0607	-.1816	-.0202	.0463	.0214
135.000		.1394	-.4310	-.8555	-.2566	-.3431							-.0287	.1185	.0824
180.000	1.0000	.4627	-.1775	.5186	-.1377	-.1973	-.1835	-.1389	-.0934	-.1472	-.1340	.2801	-.0766	.0730	.0657
225.000		.5320	.0247	-.149	-.1100	-.1031	-.0625						-.2264	-.1260	-.0956
270.000		.1810	.3359		-.5963	-.7237	-.1743	-.0660			.0825	-.3789	-.3009	-.1928	-.1077
315.000		-.1051	-.6283	-.6[illegible]	-.5769	-.3646	-.0765						-.2193	-.0184	-.0161

X/LS .9580

PHI	
.000	.0580
45.000	-.1150
90.000	-.0835
135.000	-.0235
180.000	-.0152
225.000	-.1299
270.000	-.1315
315.000	-.0249

ALPHAT (1) = -8.400 BETAT (5) = 8.190

SECTION (1) SRM BOOSTER DEPENDENT VARIABLE CP

X / S	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	.9789	-.0751	-.5419	-.8137	-.3[illegible]	-.3495	-.0554	-.0510	-.0644	-.0971	-.0532	-.1274	.0761	.3894	.1707
45.000		-.0645	-.5424	-.7295	-.4126	-.1956							-.[illegible]	.2[illegible]	-.[illegible]
90.000		-.1081	-.5791	-.9[illegible]	-.3977	-.3028	-.2360	-.1713	-.1392	-.1537	-.0[illegible]	-.1[illegible]	-.[illegible]	-.[illegible]	-.[illegible]
135.000		.0[illegible]	-.5146	-.8484	-.2[illegible]	-.[illegible]							-.[illegible]	.0516	-.0[illegible]
180.000	.9789	.4409	-.[illegible]	-.4[illegible]	-.[illegible]	-.[illegible]		-.[illegible]	-.[illegible]	.1470	-.[illegible]	-.2934	-.[illegible]	-.[illegible]	-.[illegible]
225.000		.4747	-.[illegible]	-.1[illegible]	-.[illegible]	-.[illegible]	-.[illegible]						-.[illegible]	-.[illegible]	-.[illegible]
270.000		.1[illegible]	.3[illegible]		-.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]			-.[illegible]	.[illegible]	-.[illegible]	-.[illegible]	-.1[illegible]
315.000		-.[illegible]	-.[illegible]	-.8[illegible]	-.[illegible]	-.[illegible]	-.[illegible]						-.2[illegible]	-.[illegible]	-.[illegible]

X / S .9583

PHI	
.000	.1293
45.000	-.[illegible]
90.000	-.[illegible]
135.000	.[illegible]
180.000	-.[illegible]

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (R81342)

ALPHAT(1) = -8.400 BETAT (5) = 8.190

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI

225.000 -.1522
270.000 -.2956
315.000 .0304

ALPHAT(2) = -4.200 BETAT (1) = -8.190

SECTION (2)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	-.1156		.428	.6214	-.3554	-.2831	- .0992	- .0745	-.0720	-.0751	.0103	-.2315	-.1988	-.0838	-.0114
45.000			-.1462	-.3044	-.2687	-.2326							-.1125	.0997	-.0224
90.000			.0221	-.1.0	- .1427	-.1145	-.1135	-.1050	-.0921	-.1026	-.0318	-.1005	.0615	.2402	.2141
135.000			.0[illegible]	-.1[illegible]	-.[illegible]	-.0516	-.0187						.0794	.3629	.2838
180.000	-.1[illegible]		-.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	.0064	.0004	.0328	.0247	.0931	-.2956	-.1316	.0900	.0788
225.000			.1764	.[illegible]	-.[illegible]	-.0005	.0167						-.3014	-.2376	-.2343
270.000			.[illegible]	.[illegible]	-.[illegible]	-.1310	-.1346	-.1164			.1372	-.3315	-.2663	-.2068	-.1703
315.000			.[illegible]	.4904	-.[illegible]	-.4904	-.0416						-.2908	-.2188	-.1885

X/LS .9580

PHI

.000 -.2486
45.000 -.1169
90.000 .0721
135.000 .0[illegible]
180.000 -.[illegible]49
225.000 -.[illegible]19
270.000 -.1134
315.000 -.1[illegible]

ALPHAT(3) = -4.380 BETAT (2) = -4.190

SECTION (3)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	-.1[illegible]	.0799	-.4[illegible]	-.7600	-.3[illegible]	-.2437	-.0923	-.0765	-.0725	-.0760	-.0148	-.2007	.1420	-.0568	-.0172
45.000		.1003	-.4565	-.8162	-.2908	-.1911							-.0570	.1277	.0169
90.000		.1944	-.3601	-.3231	-.1[illegible]	-.1420	-.1339	-.1167	-.1063	-.1302	-.0443	-.1122	.0522	.2769	.1731
135.000		.3104	-.2461	-.7929	-.1022	-.0770							.0577	.2970	.2178
180.000	-.1140	.[illegible]	-.2024	-.7168	-.[illegible]	-.0206	-.0492	-.0417	-.0091	-.0261	.0332	-.2491	-.0657	.1034	.0560
225.000		.3[illegible]	-.1567	-.5167	-.1[illegible]	-.0022	-.0218						-.2095	-.1129	-.0849

A2011-718 A14 31+112+5121.25 STM BOOSTER (RB1342)

ALPHAT (2) = -4.360 BETAT (2 = -4.120

SECTION 1 STM BOOSTER DEPENDENT VARIABLE CP

M=1														
Y/LS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.3750	.4590	.6030	.7180	.8330	.8900	.9170	.9390
[illegible]		.2634	.4797		-.6575	[illegible]	-.0361	-.0445			.1679	-.3101	-.2725	-.2212	-.1908
[illegible]		.0990	-.5955	-.9471	-.7264	-.4444	-.0755						-.2471	-.1758	-.1771

M=1	
Y/LS	.9590
.000	-.1755
45.000	-.0765
90.000	.0455
135.000	.0835
180.000	-.0257
225.000	-.1044
270.000	-.1799
315.000	-.1815

ALPHAT (2) = -4.390 BETAT (3) = .010

SECTION 1 STM BOOSTER DEPENDENT VARIABLE CP

M=1														
Y/LS	.0000	.0540	.0980	.1180	.1440	.2010	.2870	.3750	.4590	.6030	.7180	.8330	.8900	.9170	.9390
.000	1.1110	.0670	-.4959	-.7970	-.4097	-.2147	[illegible]	[illegible]	-.0658	-.0774	-.0358	-.2015	-.0860	.0121	-.0401
45.000		.0762	-.4709	-.7977	-.3545	-.1564							-.0234	.1244	.0539
90.000		.1311	-.4142	-.8623	-.2142	.1641	-.1449	-.1254	-.1096	-.1282	-.0391	-.1468	.0233	.2011	.1201
135.000		.2458	-.3307	-.8021	-.1267	-.1471							.0173	.1869	.1498
180.000	1.1110	.3766	-.2177	-.7525	-.1004	[illegible]	-.1037	[illegible]	-.0479	-.0757	-.0551	-.2462	-.0622	[illegible]	[illegible]
[illegible]		.4187	-.1295	-.6717	-.1620	[illegible]	-.0554						.0554	[illegible]	[illegible]
270.000		.3025	.4765		-.7373	[illegible]	[illegible]	-.0607			.1151	[illegible]	-.2440	[illegible]	[illegible]
315.000		[illegible]	-.5906	-1.0300	[illegible]	[illegible]	[illegible]						-.1221	[illegible]	[illegible]

M=1	
Y/LS	[illegible]
[illegible]	-1.35
45.000	[illegible]
[illegible]	[illegible]
135.000	.0213
180.000	-.0332
[illegible]	-.1118
[illegible]	-.1345
[illegible]	-.1379

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (PB1842)

ALPHAT(2) = -4.580 BETAT (4) = 4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LB	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0940	.1456	- 4935	-.2319	.4134	-.1815	-.0771	-.0580	-.0487	-.0649	-.0182	-.1634	.0056	.2571	.1603
45.000		.0554	.4852	-.7578	-.3949	-..244							.0317	.1796	.0460
90.000		.0762	.4566	-.6740	-.3432	-.1562	- 1357	-.1093	-.0978	-.0962	-.0166	-.1187	.0252	.1633	.0854
135.000		.1774	- 3534	- 5955	-.2407	-.2049							-.0137	.1192	.0810
180.000	1.0940	.3511	-.0574	-.4036	-.1760	-.1431	.1569	-.1061	-.0823	- 1054	-.0798	-.2531	-.0855	.0508	.0589
225.000		.4547	.1026	- 5094	-.2137	-.0407	-.0724						-.2304	-.1355	-.0968
270.000		.3511	-.0574		-.1970	-.0674	-.0472	-.0912			.0858	-.3718	-.2755	-.1862	-.1137
315.000		.1456	-.4935	-.0139	-.1815	-.2611	-.0583						-.2086	-.0347	-.0015

X/LB .9580

PHI

000	.1177
45.000	.1857
90.000	- 0658
135.000	- 0598
180.000	- 0963

ALPHAT(2) = -4.560 BETAT (5) = 8.190

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LB	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0940	.0344	-.4929	.8462	-.4134	-.1526	-.0698	-.0484	-.0419	-.0571	.0112	-.1278	.0910	.3378	.2545
45.000		.0250	-.4998	-.7578	-.3949	-.1023							.0938	.3145	.1800
90.000		.0241	-.4871	-.6740	- 3215	-.1402	- 1257	-.1102	-.0967	-.0941	.0321	-.1129	.0218	.1726	.0308
135.000		.0171	-.4917	-.5404	- 3351	-.2053							-.0353	.0846	.0447
180.000	1.0940	.3525	-.2639	- 6917	-.2417	- 2029	-.2157	-.1617	-.0955	-.1054	-.1186	-.2632	-.1440	-.0419	-.0486
225.000		.4511	-.0749	-.4414	-.2091	-.0574	-.1091						-.2388	-.1525	-.1090
270.000		.3514	.4663		-.1996	.0047	-.0747	-.1146			.0124	-.3907	-.2956	-.1819	-.1611
315.000		.1176	-.8459	-.3979	-.1815	-.0192	-.0658						-.1987	.0174	.0929

X/LB .9580

PHI

000	.1177
45.000	.1857
90.000	- 0658
135.000	- 0598
180.000	- 0963

AEDC-TR-74-118 (ARO-VKF-TR-74-82) SRM BOOSTER (RB1542)

ALPHAT SW = 4.380 BETAT SW = 0.190

SECTION 1 SRM BOOSTER DEPENDENT VARIABLE CP

R/LS .9590

PHI

225.000	-.1231
270.000	-.1955
315.000	.0571

ALPHAT SW = -.980 BETAT SW = -0.200

SECTION 1 SRM BOOSTER DEPENDENT VARIABLE CP

R/LS	.0000	.0540	.0990	.1150	.1440	.2110	.2870	.5730	.4880	.6030	.7180	.8350	.8900	.9170	.9390
PHI															
.000	1.1450	.1903	-.4283	-.7746	-.2470	-.1116	-.0843	-.0620	-.0491	-.0423	.0454	-.1959	-.1480	.0152	-.1095
45.000		.2400	-.5722	-.7855	-.1884	-.1154							.0015	.2189	.1007
90.000		.3094	-.2714	-.6147	-.1745	-.0996	-.0841	-.0715	-.0071	.0525	-.0545	.1138	.3997	.2466	
135.000		.3170	-.2626	-.5478	-.0643								.0745	.3595	.2141
180.000	1.1450	.2991	-.2003	-.4664	-.0555	-.1137	.0041	-.0013	.0279	.0495	.0863	-.2324	-.1036	.0717	.0063
225.000		.2953	-.2003	-.4700	-.2035	-.1137	-.0114						-.2454	-.1724	-.1740
270.000		.3112	.5499		-.6005	-.1137	-.0114	-.0563			.1965	-.3006	-.2449	-.1977	-.1757
315.000		.2229	-.4095	-.8407	-.4773	-.2137	-.0235						-.2459	-.1900	-.1780

R/LS .9590

PHI

.000	-.1776
45.000	-.2188
90.000	.0992
135.000	.0695
180.000	.0761
225.000	-.1154
270.000	-.1437
315.000	-.1711

ALPHAT SW = .550 BETAT SW = 3.040

SECTION 1 SRM BOOSTER DEPENDENT VARIABLE CP

R/LS	.0000	.0540	.0990	.1150	.1440	.2110	.2870	.3730	.4880	.6030	.7180	.8350	.8900	.9170	.9390
PHI															
.000	1.1467	.1841	-.4143	-.8144	-.2470	-.1116	-.0843	-.0620	-.0491	-.0423	.0454	-.1917	.0978	.0479	-.0565
45.000		.2400	-.5722	-.8855	-.1884	-.1154							.0283	.2542	.1126
90.000		.3094	-.2714	-.6147	-.1745	-.0996	-.0837	-.0647	-.0383	-.0243	.0525	-.0554	.1001	.3251	.2059
135.000		.3170	-.2626	-.5478	-.0643	-.0437							.0320	.2402	.1721
180.000	1.1467	.2991	-.2003	-.4664	-.0555	-.1137	.0041	-.0013	.0279	.0495	.0863	-.2241	-.0955	.0474	.0149
225.000		.2953	-.2003	-.4700	-.2035	-.1137	-.0114						-.2459	-.1924	-.1618

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1842)

ALPHAT(3) = -.550 BETAT (2) = -4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3285	.5489		-.7334	-.0672	-.0614	-.0694			.1312	-.2897	-.2423	-.1986	-.1549
315.000		.2323	-.4569	-.9035	-.5039	-.2605	-.0393						-.2216	-.1337	-.1583

X/LS	.9580
PHI	
.000	-.1049
45.000	.0099
90.000	.0694
135.000	.0195
180.000	-.0693
225.000	-.1143
270.000	-.1547
315.000	-.1765

ALPHAT(3) = -.540 BETAT (3 = .020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1430	.1729	-.4305	-.8451	-.2716	-.1341	-.0702	-.0495	-.0351	-.0451	.0153	-.1902	-.0501	.0954	.0490
45.000		.1607	-.4243	-.8362	-.2175	-.1056							.0455	.2116	.1235
90.000		.1798	-.3777	-.8322	-.1704	-.0725	-.0683	-.0527	-.0370	-.0377	.0209	-.0853	.0694	.2298	.1504
135.000		.2155	-.3460	-.8033	-.1329	-.0314							.0140	.1717	.1223
180.000	1.1430	.2687	-.3075	-.7630	-.1330	-.0597	-.0906	-.0731	-.0351	-.0307	.0072	-.2214	-.0860	.0297	.0067
225.000		.3276	-.2744	-.7180	-.3479	-.0074	-.0774						-.2101	-.1117	-.0978
270.000		.3460	.5489		-.7734	-.0505	-.0994	-.0979			.1605	-.3003	-.2480	-.1797	-.1266
315.000		.2394	-.4483	-.9238	-.5185	-.2424	-.0442						-.2179	-.1052	-.1149

X/LS	.9580
PHI	
.000	-.0409
45.000	-.0006
90.000	.0247
135.000	.0101
180.000	-.0651
225.000	-.1140
270.000	-.1303
315.000	-.1359

AP211-716 IA14 C1+T12+S12N25 SRM BOOSTER (RB1542)

ALPHAT(3) = -.550 BETAT (4) = 4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4990	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1290	.1592	-.4311	-.8701	-.2895	-.1441	-.0850	-.0469	-.0393	-.0455	.0215	-.1678	.0252	.2271	.1967
45.000		.1185	-.4490	-.8237	-.2757	-.0936							.0788	.2271	.1302
90.000		.1274	-.4202	-.7919	-.2468	-.0833	-.0727	-.0581	-.0427	-.0467	-.0063	-.0937	.0521	.2142	.1025
135.000		.1652	-.3998	-.8212	-.1837	-.1157							-.0088	.1253	.0816
180.000	1.1290	.2548	-.3179	-.7993	-.1647	-.1130	-.1320	-.1021	-.0636	-.0594	-.0290	-.2392	-.0944	.0103	.0192
225.000		.3580	-.2419	-.6735	-.3530	-.0315	-.1000						-.2147	-.1292	-.0908
270.000		.3793	.5575		-.8072	-.0453	-.1191	-.1104			.1472	-.3424	-.2797	-.1662	-.0994
315.000		.2603	-.4294	-.9355	-.5263	-.2032	-.0414						-.2189	-.0590	.0054

X/LS	.9580
PHI	
.000	.0756
45.000	.0010
90.000	-.0106
135.000	-.0255
180.000	-.0515
225.000	-.1097
270.000	-.1050
315.000	.0098

ALPHAT(3) = -.540 BETAT (5) = 8.230

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4980	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1110	.1416	-.4405	-.8871	-.2913	-.1424	-.0763	-.0492	-.0445	-.0517	.0258	-.1273	.1060	.3358	.2751
45.000		.0774	-.4799	-.7778	-.3294	-.0927							.1019	.2799	.1503
90.000		.0790	-.4572	-.7726	-.2887	-.0769	-.0700	-.0601	-.0496	-.0527	-.0141	-.0894	.0590	.2022	.0904
135.000		.1137	-.4396	-.8927	-.2325	-.1533							-.0037	.1286	.0516
180.000	1.1110	.2352	-.3334	-.8105	-.2475	-.1625	-.1754	-.1303	-.0733	-.0698	-.0341	-.2440	-.1109	.0015	-.0164
225.000		.3885	-.2003	-.7973	-.3330	-.0334	-.1[illegible]						-.2210	-.1257	-.0776
270.000		.4090	.5656		-.8373	-.0875	-.1[illegible]	-.1413			.1001	-.3036	-.2848	-.1[illegible]	-.1075
315.000		.2730	-.4011	-.9148	-.5145	-.[illegible]	-.[illegible]						-.1917	.0069	.1556

X/LS	.9590
PHI	
.000	.1300
45.000	.0124
90.000	-.0257
135.000	-.0436
180.000	-.0934

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1342)

ALPHAT(3) = -.540 BETAT (5) = 8.230

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1153
270.000	-.1595
315.000	.1173

ALPHAT(4) = 4.160 BETAT (1) = -8.210

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	-.1154	-.3034	.3627	-.3370	-.2614	-.2637	.5970	.5879	.5999	.5999	.5946	.5965	.5955	.5999	-.2596
45.000		-.2970	-.2819	-.1285	-.2590	-.2628							.5941	.6056	-.2389
90.000		-.2969	-.3611	-.3535	-.2595	-.2597	.6027	.6027	.5975	.5999	.6061	.5984	.5941	.6056	-.2645
135.000		-.3191	-.3198	-.2603	-.2644	-.2609							.5965	.6070	-.2613
180.000	-.1154	-.3117	-.3409	-.2585	-.2594	.5970	.6051	.5936	.5989	.5999	.6018	.5994	.5917	-.2599	-.2608
225.000		-.3201	-.3568	-.2039	-.2635	.6051	.5979						.5965	-.2673	-.2585
270.000		-.3133	-.3361		-.2609	.5979	.6013	.5999			.6018	.5965	.5960	-.2671	-.2592
315.000		-.3165	-.3207	-.2604	-.2598	.6061	.5970						.5941	-.2638	-.2622

X/LS .9580

PHI	
.000	-.2599
45.000	-.2603
90.000	-.2601
135.000	-.2578
180.000	-.2599
225.000	-.2654
270.000	-.2661
315.000	-.2666

ALPHAT(4) = 4.160 BETAT (2) = -4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
000	1.1250	.3277	-.3268	-.8051	-.1287	-.0458	-.0359	-.0218	-.0137	-.0056	.0655	-.1496	-.0386	.1430	.0650
45.000		.2865	-.3351	-.7818	-.1131	-.0533							.0876	.3247	.2099
90.000		.2223	-.3321	-.8053	-.1192	-.0574	-.0500	-.0357	-.0206	.0120	.0820	-.0643	.0992	.3194	.1885
135.000		.1620	-.3624	-.7967	-.1441	-.0691							.0060	.1918	.1007
180.000	1.1250	.1446	-.3866	-.7392	-.1993	-.0748	-.0463	-.0410	.0060	.0530	.0774	-.2273	-.1147	.0080	-.0376
225.000		.1625	-.4550	-.8640	-.5650	-.1549	-.0248						-.2266	-.1487	-.1080

APOLLO 16 IA14 01+712 312N25 SRM BOOSTER (RB1542)

ALPHAT(4) = 4.180 BETAT (2) = -4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.2955	.5253		-.7420	-.2429	-.1091	-.0651			.1355	-.2775	-.2271	-.1617	-.1229
315.000		.3507	-.3020	-.7343	-.2915	-.0651	-.0410						-.2176	-.1268	-.1408

X/LS	.9580
PHI	
.000	-.0229
45.000	.0731
90.000	.0558
135.000	-.0136
180.000	-.0978
225.000	-.1199
270.000	-.1052
315.000	-.1478

ALPHAT(4) = 4.190 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1210	.3167	-.3346	-.8424	-.1572	-.0603	-.0611	-.0430	-.0335	-.0326	.0389	-.1512	.0089	.2197	.1586
45.000		.2209	-.3814	-.8378	-.1488	-.0874							.0788	.2904	.1810
90.000		.1564	-.3842	-.8408	-.1684	-.0834	-.0727	-.0640	-.0415	-.0161	.0555	-.0845	.0570	.2184	.1098
135.000		.1329	-.3879	-.8144	-.1835	-.0819							.0091	.1121	.0454
180.000	1.1210	.1354	-.3891	-.7960	-.2282	-.0947	-.0741	-.0518	-.0069	.0120	.0449	-.2266	-.0770	.0458	.0175
225.000		.1717	-.4439	-.8999	-.5909	-.1568	-.0611						-.1685	-.0603	-.0344
270.000		.3168	.5257		-.7915	-.2002	-.1281	-.0666			.1860	-.2935	-.2080	-.1036	-.0784
315.000		.3761	-.2813	-.7473	-.3213	-.0491	-.0585						-.1930	-.0659	-.0798

X/LS	.9580
PHI	
.000	.0496
45.000	.0506
90.000	-.0069
135.000	-.0507
180.000	-.0674
225.000	-.0923
270.000	-.0983
315.000	-.0976

ARC11-716 IA14 O1+712+S12N25 SRM BOOSTER (RB1842)

ALPHAT(4) = 4.160 BETAT (4) = 4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.1110	.3006	-.3485	-.8313	-.1986	-.0957	-.0929	-.0765	-.0601	-.0608	.0047	-.1385	.0477	.2883	.2289
45.000		.1578	-.4321	-.8735	-.1920	-.1237							.0625	.2519	.1385
90.000		.1021	-.4237	-.8096	-.2523	-.0871	-.0841	-.0728	-.0471	-.0353	.0274	-.0782	.0390	.1542	.0458
135.000		.1007	-.4169	-.8591	-.2408	-.0817							.0185	.1671	.0675
180.000	1.1110	.1317	-.3976	-.8315	-.2496	-.1147	-.0932	-.0670	-.0228	-.0054	.0135	-.2245	-.0595	.0710	.0339
225.000		.1315	-.4232	-.8880	-.5705	-.1535	-.0832						-.1653	-.0472	-.0407
270.000		.2478	-.3363		-.8173	-.1683	-.1270	-.0754			.1744	-.3222	-.2178	-.1201	-.0592
315.000		.4771	-.1283	-.6881	-.3231	-.0349	-.0621						-.1574	.0306	.0479

X/LS .9580

PHI	
.000	.1220
45.000	.0047
90.000	-.0589
135.000	-.0499
180.000	-.0409
225.000	-.0799
270.000	-.0795
315.000	.0272

ALPHAT(4) = 4.180 BETAT (5) = 8.240

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.0860	.2765	-.3618	-.8060	-.2305	-.1212	-.1248	-.1022	-.0897	-.0788	-.0179	-.1185	.1041	.3757	.2733
45.000		.0917	-.4804	-.9040	-.2368	-.1565							.0621	.2461	.0967
90.000		.0590	-.4383	-.7811	-.2695	-.0844	-.0893	-.0762	-.0654	-.0570	.0068	-.0610	.0417	.1409	.0239
135.000		.0760	-.4361	-.7942	-.2519	-.0870							.0288	.2044	.1008
180.000	1.0860	.1077	-.4004	-.8434	-.2603	-.1431	-.1132	-.0746	-.0343	-.0235	-.0108	-.2049	-.0493	.1101	.0596
225.000		.2019	-.3966	-.8600	-.5503	-.1693	-.1032						-.1547	-.0367	-.0381
270.000		.3779	-.3407		-.9237	-.0676	-.1159	-.0862			.1692	-.3402	-.2155	-.0988	-.0469
315.000		.4353	-.2349	-.5928	-.3148	-.0140	-.0557						-.1094	.1151	.1952

X/LS .9580

PHI	
.000	.1202
45.000	-.0357
90.000	-.0675
135.000	-.0146
180.000	-.0262

AR211-716 IA14 01+712+12N25 SRM BOOSTER (R81842)

ALPHAT(4) = 4.180 BETAT (5) = 8.240

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.0815
270.000	-.0845
315.000	.1559

ALPHAT(5) = 8.160 BETAT (1) = -8.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0470	.4584	-.2268	-.5945	-.0474	.0126	.0262	.0316	.0351	.0401	.1002	-.1167	-.0087	.2235	.1039
45.000		.3947	-.2168	-.7153	-.0611	-.0161							.1267	.4404	.2737
90.000		.2072	-.3134	-.7494	-.1558	-.1052	-.0872	-.0736	-.0420	.0087	.0926	-.0524	.0733	.5585	.1795
135.000		.0531	-.4272	-.7429	-.2005	-.1610							-.0499	.1758	.0232
180.000	1.0470	.0412	-.4288	-.5994	-.2196	-.1628	-.0693	-.0652	-.0106	.0658	.0758	-.2218	-.1014	.0189	-.0840
225.000		.0182	-.5245	-.6615	-.5630	-.3857	.0049						-.2159	-.1282	-.1189
270.000		.1652	.4287		-.5158	-.1050	-.0255	-.0232			.1787	-.2918	-.2576	-.1896	-.1298
315.000		.3826	-.1943	-.4240	-.1409	.0408	.0239						-.1964	-.0770	-.1128

X/LS .9580

PHI	
.000	-.0088
45.000	.1191
90.000	.0497
135.000	-.0827
180.000	-.1592
225.000	-.1552
270.000	-.1104
315.000	-.1412

ALPHAT(5) = 8.200 BETAT (2) = -4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0470	.4478	-.2361	-.6161	-.0876	-.0189	-.0100	-.0081	-.0012	.0083	.0732	-.1089	.0869	.2678	.1731
45.000		.3153	-.2740	-.8053	-.1210	-.0787							.0977	.3783	.2527
90.000		.1250	-.3627	-.8285	-.2071	-.1547	-.1241	-.1233	-.1027	-.0394	.0609	.0000	.0256	.2625	.1046
135.000		.0269	-.4434	-.7772	-.2181	-.1552							-.0395	.1091	-.0150
180.000	1.0470	.0241	-.4460	-.6598	-.2016	-.1926	-.0931	-.0794	-.0374	.0159	.0351	-.2098	-.0865	.0114	-.0628
225.000		-.0016	-.5590	-.7349	-.6536	-.3607	-.0209						-.1793	-.0693	-.0762

ARC11-716 TA14 O1+T12+S12N25 SRM BOOSTER (RB1842)

ALPHAT(5) = 8.200 BETAT (2) = -4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9590
PHI															
270.000		.1812	.4190		-.5734	-.0857	-.0603	-.0438			.1795	-.2628	-.2287	-.1453	-.0963
315.000		.4132	-.1585	-.4282	-.1737	.0286	.0026						-.1829	-.0402	-.0867

X/LS	.9590
PHI	
.000	.0473
45.000	.0904
90.000	-.0109
135.000	-.1085
180.000	-.1335
225.000	-.1074
270.000	-.0362
315.000	-.1027

ALPHAT(5) = 8.090 BETAT (3) = .020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0400	.4374	-.2542	-.6333	-.1249	-.0587	-.0531	-.0527	-.0437	-.0379	.0284	-.1093	.0593	.3206	.2547
45.000		.2364	-.3687	-.7840	-.1945	-.1495							.0623	.3190	.1817
90.000		.0708	-.4359	-.8676	-.2208	-.1758	-.1582	-.1582	-.1196	-.0564	.0474	-.1005	-.0029	.1777	.0249
135.000		.0270	-.4480	-.7724	-.2467	-.1350							-.0226	.0772	-.0138
180.000	1.0400	.0217	-.4497	-.7060	-.2919	-.1760	-.0850	-.0749	-.0319	.0144	.0350	-.1605	-.0591	.1059	.0300
225.000		-.0098	-.5698	-.8572	-.7077	-.2704	-.0499						-.1427	-.0210	-.0240
270.000		.1842	.4145		-.6300	-.0317	-.0556	-.0525			.1613	-.2755	-.1887	-.1151	-.0604
315.000		.4498	-.1335	-.4393	-.1855	.0155	-.0069						-.1510	.0066	-.0128

X/LS	.9580
PHI	
.000	.0986
45.000	.0584
90.000	-.0762
135.000	-.1233
180.000	-.0702
225.000	-.0750
270.000	-.0792
315.000	-.0511

[illegible] (RB1542)

ALPHA1 S = 0.070 BETA1 S = 0.150

POSITION	LOW BOOSTER	DEPENDENT VARIABLE OF												
[illegible]	[illegible]	.0340	.0690	.1040	.1390	.1740	.2090	.2440	.2790	.3140	.3490	.3840	.4190	.4540
PH1														
.000	1.0000	.4108	-.2355	-.6121	-.5147	-.3011	-.1001	.0961	-.0554	-.2819	-.0193	-.1063	.0780	.3554	.2725
45.000		.1527	-.4462	-.3854	-.1661	-.0140							.0309	.2395	.1108
90.000		.0100	-.6746	-.4714	-.2854	-.1183	-.1474	-.1126	-.0847	-.0541	.0314	-.0977	-.0017	.1151	-.0175
135.000		.0157	-.4915	-.3777	-.2737	-.1183							-.0133	.1084	-.0103
180.000	1.0000	.0122	-.4477	-.3411	-.2335	-.1139	-.0993	-.0708	-.0483	-.0249	.0164	-.1825	-.0397	.1490	.0375
225.000		-.0139	-.5603	-.4234	-.2845	-.1414	-.1231						-.1349	-.0126	-.0094
270.000		.0175	.4185		-.2615	-.1301	-.1163	-.0905			.1667	-.3080	-.2004	-.1002	-.0409
315.000		.4827	-.1107	-.3303	-.2711	-.1345	-.1014						-.1240	.0735	.0997

X/LS .9580

PH1

.000	.1228
45.000	-.0311
90.000	-.1234
135.000	-.1247
180.000	-.0295
225.000	-.0548
270.000	-.0721
315.000	.0638

ALPHA1 S1 = 0.060 BETA1 S1 = 0.310

POSITION	LOW BOOSTER	DEPENDENT VARIABLE OF												
X/LS	.0000	.0340	.0690	.1040	.1390	.1740	.2090	.2440	.2790	.3140	.3490	.3840	.4190	.4540
PH1														
.000	1.0020	.3928	-.2837	-.5[illegible]	-.4[illegible]	-.1417	-.1007	-.1347	-.1245	-.1[illegible]	-.0485	-.0[illegible]	.1288	.0217	[illegible]
45.000		.0597	-.5027	-.4[illegible]	-.3[illegible]	-.2[illegible]							.0096	[illegible]	-.[illegible]
90.000		-.0319	-.5[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	-.1430	-.1[illegible]	-.0[illegible]	[illegible]	-.[illegible]	.0048	[illegible]	-.[illegible]
135.000		.0222	-.4[illegible]	-.[illegible]	-.[illegible]	-.[illegible]							[illegible]	[illegible]	[illegible]
180.000	1.0020	-.0010	.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	-.0957	-.0[illegible]	-.0[illegible]	-.0[illegible]	-.0[illegible]	-.[illegible]	-.[illegible]	[illegible]	[illegible]
225.000		-.0[illegible]	[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	[illegible]						-.1[illegible]	-.[illegible]	[illegible]
270.000		.24[illegible]	.[illegible]	[illegible]	-.[illegible]	[illegible]	[illegible]	.[illegible]			.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]	-.[illegible]
315.000		.[illegible]	-.[illegible]	-.2902	-.[illegible]	[illegible]	[illegible]						-.[illegible]	[illegible]	[illegible]

X/LS .9560

PH1

.000	.1494
45.000	-.0328
90.000	-.1520
135.000	-.1736
180.000	-.0310

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1842)

ALPHAT(5) = 8.080 BETAT (5) = 8.310

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.0493
270.000	-.0599
315.000	.2514

ARC11-716 TA14 C6+712+S12N25 SRM BOOSTER (RB1S43) (14 FEB 74)

REFERENCE DATA

SREF = 2.4210 SQ.FT. YMRP = 29.5800 INCHES
LREF = 33.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0500 SCALE

PARAMETRIC DATA

MACH = .850 ELEVON = .000
RUDDER = .000 SPOBRK = .000

ALPHAT(1) = -8.480 BETAT (1) = -5.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9590
PHI															
.000	1.0900	.0210	-.4058	-.7747	-.5284	-.5095	-.2196	-.1510	-.1504	-.1508	-.0219	-.2942	-.2765	-.1713	-.2715
45.000		.0157	-.3882	-1.1180	-.4123	-.4535							-.1750	-.0450	-.1838
90.000		.1984	-.2277	-1.1800	-.2475	-.2925	-.3581	-.2964	-.2632	-.2886	-.1314	-.1960	-.0215	.2374	.1634
135.000		.4427	-.0374	-.9734	-.0772	-.0902							.0627	.3396	.2978
180.000	1.0900	.5512	.0175	-.5863	.0443	.0405	-.0113	.0107	.0517	.0129	.1087	-.2671	-.0448	.0958	.0040
225.000		.4657	.0792	-.4812	-.0396	.0241	.0081						-.3095	-.1885	-.2289
270.000		.1647	.4595		-.6755	-.8575	-.2060	-.0592			.1142	-.3558	-.3091	-.2849	-.2614
315.000		-.0076	-.6027	-.7895	-.6712	-.5862	-.0697						-.3444	-.3182	-.2543

X/LS	.9580
PHI	
.000	-.2922
45.000	-.2457
90.000	.0441
135.000	.1646
180.000	-.0902
225.000	-.2291
270.000	-.2129
315.000	-.2297

ALPHAT(1) = -9.320 BETAT (2) = -4.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9590
PHI															
.000	1.0890	.0178	-.4012	-.7487	-.5426	-.4830	-.1777	-.1385	-.1403	-.1454	-.0327	-.2814	-.2478	.1588	-.2041
45.000		.0058	-.3845	-.8943	-.4745	-.3902							-.1415	-.0347	-.1315
90.000		.1298	-.2966	-1.0400	-.2640	-.2757	-.3434	-.2617	-.2539	-.2894	-.1174	-.2234	-.0513	.1482	.1185
135.000		.3716	-.1024	-1.0190	-.1634	-.1826							-.0014	.2000	.2192
180.000	1.0890	.5430	.0035	-.6352	-.0293	-.0103	-.0938	-.0446	.0071	-.0371	.0182	-.3192	-.0865	.0823	.0222
225.000		.4061	.0592	-.4115	-.0725	-.0753	-.0496						-.2691	-.2185	-.2030
270.000		.1603	.4484		-.6103	-.8107	-.2322	-.1639			.2129	-.3590	-.2962	-.2529	-.2228
315.000		.0201	-.6115	-.6603	-.6133	-.6278	-.0934						-.3497	-.3096	-.2516

X/LS .9580

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1543)

ALPHAT(1) = -8.320 BETAT (2) = -4.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
.000	-.2252
45.000	-.1945
90.000	.0240
135.000	.1070
180.000	-.0683
225.000	-.1573
270.000	-.1249
315.000	-.2411

ALPHAT 1) = -8.320 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS		.0040	.0240	.0990	.1190	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI																
.000	1.0770	.0028	-.3674	-.7843	-.1504	-.4255	-.1483	-.0845	-.1187	-.1781	-.1384	-.2685	-.1449	-.0271	-.1246
45.000		.0004	-.3747	-.8179	-.4357	-.3374							-.1042	-.0206	-.0982
90.000		.0562	-.3359	-1.0130	-.2843	-.3543	-.3532	-.2758	-.2514	-.2809	-.0945	-.2450	-.0577	.0748	.0518
135.000		.2892	-.1927	-1.1820	-.2660	-.2883							-.0248	.1400	.1257
180.000	1.0770	.5335	-.0031	-.9936	-.1077	-.1378	-.1725	-.0959	-.0382	-.0849	-.0251	-.3292	-.0749	.1129	.0871
225.000		.5245	.1145	-.3446	-.0869	-.0011	-.1020						-.2338	-.1369	-.0984
270.000		.1796	.4437		-.5993	-.1935	-.2353	-.0444			.1709	-.3486	-.3090	-.2407	-.1865
315.000		-.0363	-.6104	-.6441	-.0980	-.6137	-.1113						-.2978	-.1586	-.1484

X/LS .9580

PHI	
.000	-.1896
45.000	-.1684
90.000	-.0400
135.000	.0278
180.000	-.0793
225.000	-.1159
270.000	-.1724
315.000	-.1438

...SC11-716 TA14 01+712+S12N25 SRM BOOSTER (RB1845)

ALPHAT (1) = -8.370 BETAT (4) = 4.120

SECTION 1 SRM BOOSTER DEPENDENT VARIABLE CP

X/L	.0000	.0540	.0980	.1150	.144	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0390	.0013	-.3785	-.8135	-.5177	-.4706	-.0988	-.0406	-.0442	-.0905	-.0430	-.2580	-.0649	.2844	.1743
45.000		.0023	-.3718	-.7916	-.5161	-.4713							-.0608	.0445	-.0223
90.000		.0060	-.3775	-1.2440	-.3669	-.1521	-.3097	-.2237	-.1767	-.1933	-.0234	-.2562	-.0585	.0400	.0115
135.000		.1965	-.2745	-1.2317	-.3703	-.7980							-.0739	.0526	.0628
180.000	1.0390	.5151	-.0357	-.197	-.2001	-.2217	-.2339	-.1352	-.0803	-.1139	-.1152	-.3418	-.1230	.0188	.0251
225.000		.5933	.1445	-.2396	-.1188	-.1259	-.1141						-.2775	-.1995	-.1604
270.000		.2085	.4395		-.5764	-.7855	-.2057	-.0370			.0871	-.4001	-.3365	-.2477	-.1627
315.000		-.0435	-.5084	-.6239	-.5780	-.6061	-.1179						-.2735	-.0997	-.0712

X/L .9580

PHI	
.000	.0736
45.000	-.1090
90.000	-.0714
135.000	-.0103
180.000	-.0296
225.000	.1571
270.000	-.1537
315.000	-.0522

ALPHAT (1) = -8.420 BETAT (5) = 8.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L	.0000	.0540	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0350	-.0178	-.3794	-.9321	-.4778	-.4759	-.0609	-.1244	-.0443	-.0775	-.0340	-.1900	.0471	.3560	.0911
45.000		-.0105	-.3792	-.8019	-.5597	-.2162							-.0[illegible]	.[illegible]	.0761
90.000		-.0529	-.4205	-.9311	-.5177	-.3475	-.2442	-.1678	-.1335	-.1383	-.0617	-.2053	-.0[illegible]	.[illegible]312	.0089
135.000		.1093	-.3567	-1.2770	-.4611	-.6371							-.1108	-.[illegible]145	-.0166
180.000	1.0350	.5013	-.0560	-.6540	-.2935	.5135	.2371	-.1219	-.0084	-.1139	.1[illegible]	.3466	-.2223	.1265	-.0041
225.000		.6261	.1771	-.1341	-.1[illegible]	-.1434	-.1419						-.3171	-.2370	-.1733
270.000		.2240	.4768		-.5535	-.7440	-.1[illegible]	-.[illegible]331			-.0211	-.4422	-.3455	-.2[illegible]	-.2167
315.000		-.0559	-.5[illegible]	-.[illegible]965	-.[illegible]776	-.[illegible]	-.1[illegible]						-.2492	-.[illegible]555	-.[illegible]194

X/L .9580

PHI	
.000	.1612
45.000	-.[illegible]492
90.000	-.[illegible]432
135.000	-.[illegible]819
180.000	-.[illegible]161

AP611-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1843)

ALPHAT(1) = -0.420 BETAT (5) = 0.220

SECTION 1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L .9590

RM1
829.000 -.1711
870.000 -.2934
919.000 -.[illegible]

ALPHAT(2) = [illegible] BETAT (1) = -0.210

SECTION 1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L [illegible] .0790 .1150 .1440 .2010 .2870 .3730 .4880 .6030 .7190 .8350 .8900 .9170 .9390

RM1
[illegible] .17 .1420 -.3257 -.7774 .4185 -.3339 -.1227 -.0729 -.0625 -.0524 .0554 -.2255 -.1948 -.0900 -.2115
45.[illegible] [illegible] .1765 -1.0[illegible] -.2494 -.2600 -.0960 .0892 -.0241
[illegible] [illegible] -.[illegible] -.[illegible] -.[illegible] -.[illegible] -.1211 -.1506 -.1037 -.0867 -.0928 .0043 -.1226 .0591 .3285 .2260
199.[illegible] .4133 -.[illegible] -.[illegible] -.[illegible] -.[illegible] .0779 .3560 .2760
[illegible] -.1770 -.[illegible] -.[illegible] -.[illegible] .1554 .0226 -.0053 -.0016 .0478 .0599 .1819 -.2369 -.0558 .0661 -.0085
259.[illegible] .4[illegible] .[illegible] -.[illegible] -.[illegible] .0047 -.2910 -.1702 -.2012
[illegible] .1[illegible] .[illegible] -.[illegible] -.[illegible] -.1395 .0644 .1937 -.3247 -.2912 -.2443 -.2258
319.[illegible] .[illegible] -.[illegible] -.[illegible] -.[illegible] -.5336 -.0270 -.3012 -.2546 -.2308

X/L .9590

RM1
.000 -.2800
45.000 -.1141
[illegible] .0944
[illegible] .1345
[illegible] -.[illegible]
[illegible] -.2189
[illegible] -.1904
[illegible] -.[illegible]

ALPHAT(2) = -4.260 BETAT (2) = -4.10[illegible]

SECTION 1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L .0000 .0340 .0980 .1150 .1440 .2010 .2870 .3730 .4880 .6030 .7190 .8350 .8900 .9170 .9390

RM1
.000 -.1660 .1289 -.3252 -.8502 -.4740 -.3052 -.1002 -.0614 -.0451 -.0587 .0530 -.2458 .1919 -.0801 -.1582
45.[illegible] .1[illegible] -.2905 -1.0[illegible] -.3[illegible] -.2[illegible] .0790 .0564 .0027
90.[illegible] .24[illegible] -.2[illegible] -1.2150 -.1[illegible] -.[illegible] -.1577 -.1211 -.0920 -.1111 -.0032 .2011 .0221 .2079 .1893
135.[illegible] .3[illegible] -.1[illegible] -1.1580 -.[illegible] -.[illegible] .0101 .2168 .2520
180.[illegible] 1.1660 .42[illegible] -.0[illegible] -1.[illegible] -.[illegible] -.0[illegible] -.0727 -.0[illegible] .0[illegible] .0[illegible] .1[illegible] -.3194 -.1[illegible] -.0[illegible] -.[illegible]
225.[illegible] .4294 -.[illegible] -.[illegible] -.[illegible] -.[illegible] -.0455 -.2948 -.2251 -.1774

APOLLO 716 SA14 09+712+S12M25 SRM BOOSTER (RB1543)

ALPHAT (2) = -4.280 BETAT (2) = -4.100

SECTION 1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L'S	.0900	.0340	.0940	.1150	.1440	.2010	.2870	.3750	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
315.000		.3132	.5864		-.5507	-.6136	-.1351	-.0475			.2268	-.3170	-.2879	-.2193	-.1791
0.000		.1564	-.4157	-.8781	-.5447	-.5991	-.0457						-.3067	-.2527	-.2001

X/L'S .9540

PHI	
.000	-.1918
45.000	-.0757
90.000	.0739
135.000	.1161
180.000	-.0144
225.000	-.1645
270.000	-.1315
315.000	-.1913

ALPHAT (2) = -4.000 BETAT (3) = .000

SECTION 1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L'S	.0900	.0340	.0940	.1150	.1440	.2010	.2870	.3750	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1650	.1206	-.3143	-1.1192	-.4144	-.3205	-.0757	-.0380	-.0414	-.0533	.0024	-.2232	-.1202	-.0489	-.0818
45.000		.1331	-.2955	-1.2260	-.3587	-.2012							-.0405	.0728	.0271
90.000		.1863	-.2472	-1.2470	-.1952	-.1721	-.1333	-.1127	-.0914	-.1033	.0030	-.2046	.0015	.1448	.1215
135.000		.2367	-.1759	-1.2010	-.1239	-.1605							-.0192	.1141	.1262
180.000	1.1650	.4165	-.0780	-1.1007	-.1140	-.1034	-.1298	-.0764	-.0252	-.0344	.0388	-.2921	-.0758	.0604	.0475
225.000		.4624	-.0029	.0711	-.2000	-.1169	-.0890						-.2393	-.1401	-.0903
270.000		.5409	.5900		-.3587	-.8260	-.2787	-.0308			.1714	-.3191	-.2722	-.2043	-.1717
315.000		.1621	-.5990	-.8695	-.5354	-.5795	-.0546						-.2665	-.1819	-.1521

X/L'S .9540

PHI	
.000	-.1391
45.000	-.0655
90.000	.0146
135.000	.0279
180.000	-.0421
225.000	-.1648
270.000	-.1313
315.000	-.1819

ARC11-713 TA14 O1+T12+S12N25 SRM BOOSTER (RB1343)

ALPHAT(2) = -4.240 BETAT (4) = 4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1450	.1144	-.3169	-1.2580	-.4317	-.2766	-.0648	-.0408	-.0380	-.0459	.0208	-.2139	-.0486	.1747	.1385
45.000		.0079	-.3109	-1.2170	-.4223	-.2576							.0067	.1822	.0528
90.000		.1278	-.2898	-1.2740	-.3262	-.1770	-.1507	-.1034	-.0756	-.0835	.0243	-.1876	-.0087	.0944	.0575
135.000		.2238	-.2335	-1.2390	-.2182	-.2304							-.0605	.0456	.0490
180.000	1.1450	.4004	-.0914	-1.0900	.2054	-.1668	-.1990	-.1249	-.0648	-.0803	-.0506	-.3043	-.1471	-.0162	.0115
225.000		.5049	.0357	-.8252	-.2524	-.0952	-.0911						-.2528	-.2022	-.1629
270.000		.3499	.1512		-.6302	-.3415	-.0511	-.0855			.0967	-.3680	-.3155	-.2363	-.1663
315.000		.1698	-.3869	-.8800	-.6320	-.5572	-.0269						-.2619	-.1074	-.0827

X/LS	.9580
PHI	
.000	.0441
45.000	-.0515
90.000	-.0348
135.000	-.0262
180.000	-.0364
225.000	-.1599
270.000	-.1611
315.000	-.0791

ALPHAT(2) = -4.260 BETAT (5) = 8.210

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1230	.0923	-.3295	-1.2810	-.4299	-.2621	-.0477	-.0346	-.0275	-.0404	.0416	-.1786	.0394	.2712	.2574
45.000		.0816	-.3366	-.8832	-.5019	-.1170							.0731	.2782	.1908
90.000		.0920	-.3287	-1.1290	-.4615	-.1637	-.1390	-.1175	-.0815	-.0787	-.0026	-.1631	-.0073	.1296	.0299
135.000		.1545	-.2995	-1.2790	-.2984	-.2940							-.0710	.0256	.0238
180.000	1.1230	.3932	-.1202	-1.1070	-.2892	-.2297	-.2480	-.1584	-.0315	-.0821	-.1077	-.3056	-.1908	-.1059	-.0900
225.000		.5373	.0518	-.5327	-.2579	-.1079	-.1218						-.2837	-.2109	-.1661
270.000		.3893	.5816		-.6882	-.3475	-.0269	-.1197			.0152	-.4123	-.3303	-.2335	-.1798
315.000		.1708	-.3724	-.8976	-.6992	-.4890	-.0190						-.2222	-.0625	.0137

X/LS	.9580
PHI	
.000	.1429
45.000	.0628
90.000	-.0506
135.000	-.0450
180.000	-.1220

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ALPHAT(2) = -4.260 BETAT (5) = 8.210

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1600
270.000	-.1962
315.000	.0072

ALPHAT(3) = -.600 BETAT (1) = -8.240

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1900	.2429	-.2584	-.8366	-.3262	-.2597	-.0930	-.0559	-.0325	-.0158	.0870	-.2049	-.1545	-.0308	-.1285
45.000		.2879	-.2015	-1.1350	-.1313	-.1279							-.0121	.2205	.1134
90.000		.3553	-.1166	-1.1490	-.0193	-.0326	-.0209	-.0173	.0081	.0184	.0953	-.0727	.1090	.3795	.2729
135.000		.3566	-.1144	-1.1510	-.0139	.0025							.0603	.3113	.2422
180.000	1.1900	.3264	-.1477	-.6776	-.0995	.0158	.0155	-.0034	.0465	.0903	.1556	-.2332	-.1176	.0119	-.0192
225.000		.3355	-.1431	-.8422	-.7286	-.0295	.0429						-.2688	-.2032	-.1892
270.000		.3541	.6489		-.5429	-.2656	.0206	-.0279			.1990	-.3162	-.2729	-.2302	-.1981
315.000		.2723	-.2763	-.9398	-.4932	-.4[illegible]	-.0215						-.2694	-.2124	-.2011

X/LS .9580

PHI	
.000	-.1981
45.000	-.004[illegible]
90.000	.13[illegible]
135.000	.1024
180.000	-.0780
225.000	-.1983
270.000	-.1748
315.000	-.1949

ALPHAT(3) = -.600 BETAT (2) = -5.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1920	.2384	-.2522	-1.1520	-.2910	-.2547	-.0810	-.0564	-.0351	-.0283	.0729	-.2038	-.1400	-.0227	-.0790
45.000		.2598	-.2179	-1.2160	-.1566	-.1373							.0014	.1898	.1240
90.000		.3031	-.1550	-1.1960	-.0393	-.0572	-.0317	-.0361	-.0140	.0010	.0790	-.1156	.0853	.2976	.2300
135.000		.3220	-.1388	-1.1830	-.0099	-.0265							.0200	.2096	.1858
180.000	1.1920	.3233	-.1494	-1.0770	-.0532	-.0383	-.0272	-.0357	.0226	.0557	.1158	-.2594	-.1187	.0054	-.0174
225.000		.3442	-.1368	-1.0890	-.3497	.0000	.0000						-.2508	-.1751	-.1545

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ALPHAT(3) = -.600 BETAT (2) = -5.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3676	.6471		-.6207	-.2478	.0147	-.0512			.2402	-.3176	-.2697	-.2167	-.1829
315.000		.2788	-.2717	-1.0280	-.5121	-.5077	-.0049						-.2600	-.1901	-.1875

X/LS	.9580
PHI	
.000	-.1331
45.000	.0252
90.000	.1034
135.000	.0749
180.000	-.0695
225.000	-.1411
270.000	-.1630
315.000	-.1591

A PHAT(3) = -.600 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1860	.2251	-.2513	-1.2580	-.2986	-.2244	-.0706	-.0479	-.0286	-.0202	.0584	-.2010	-.0888	.0488	.0257
45.000		.2110	-.2471	-1.2520	-.3324	-.1099							.0142	.1640	.1183
90.000		.2292	-.2118	-1.2430	-.2488	-.0776	-.0300	-.0502	-.0274	-.0198	.0563	-.1520	.0387	.1711	.1449
135.000		.2657	-.1908	-1.2300	-.1093	-.0156							-.0356	.0935	.1096
180.000	1.1360	.3111	-.1479	-1.2070	-.0902	-.0532	-.1044	-.0749	-.0150	.0021	.0473	-.2762	-.1311	-.0390	-.0238
225.000		.3743	-.1163	-1.0820	-.0946	-.0075	-.0028						-.2286	-.1748	-.1431
270.000		.3992	.6515		-.6875	-.2173	-.0502	-.1267			.2067	-.3101	-.2765	-.2338	-.1738
315.000		.2995	-.2629	-1.1040	-.5694	-.4925	-.0081						-.2499	-.1564	-.1676

X/LS	.9580
PHI	
.000	-.0399
45.000	.0178
90.000	.0360
135.000	.0142
180.000	-.0685
225.000	-.1152
270.000	-.1704
315.000	-.1698

AP211-716 IA14 C1+712+S12N25 SRM BOOSTER (RB1543)

ALPHAT(3) = -.600 BETAT (4) = 4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1750	.2172	-.2556	-1.2440	-.3161	-.1827	-.0240	-.0406	-.0245	-.0250	.0597	-.1942	-.0483	.1392	.1435
45.000		.1758	-.2732	-1.2560	-.3785	-.0861							.0392	.1923	.1378
90.000		.1780	-.2522	-1.2030	-.3480	-.0627	-.0733	-.0321	-.0253	-.0253	.0356	-.1441	.0190	.1739	.0967
135.000		.2146	-.2223	-1.2450	-.1835	-.1089							-.0502	.0514	.0370
180.000	1.1750	.3042	-.1563	-1.1900	-.1537	-.0988	-.1524	-.1014	-.0370	-.0296	.0063	-.2720	-.1427	-.0491	-.0230
225.000		.4054	-.0775	-1.0280	-.4005	.0004	-.1047						-.2388	-.1892	-.1503
270.000		.4292	.6523		-.7490	-.1506	-.1043	-.1530			.1676	-.3458	-.3127	-.2321	-.1577
315.000		.3142	-.2417	-1.1130	-.5925	-.4064	-.0044						-.2009	-.1190	-.0841

X/LS	.9580
PHI	
.000	.0680
45.000	.0263
90.000	-.0007
135.000	-.0330
180.000	-.0505
225.000	-.1325
270.000	-.1427
315.000	-.0611

ALPHAT(3) = -.590 BETAT (5) = 8.230

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1590	.1968	-.2742	-1.2490	-.3061	-.1649	-.0634	-.0388	-.0271	-.0265	.0616	-.1738	.0462	.2454	.2560
45.000		.1367	-.3083	-.8534	-.4995	-.0745							.0778	.2346	.1580
90.000		.1353	-.2934	-.9461	-.4687	-.0309	-.0745	-.0542	-.0346	-.0326	.0095	-.1258	.0398	.1893	.1109
135.000		.1717	-.2700	-1.2730	-.2150	-.1595							-.0371	.0784	.0387
180.000	1.1590	.2959	-.1698	-1.1940	-.2244	-.1585	-.2041	-.1269	-.0579	-.0440	-.0419	-.2735	-.1559	-.0656	-.0572
225.000		.4358	-.0491	-1.0120	-.4259	-.0226	-.1474						-.2576	-.1860	-.1235
270.000		.4536	.6568		-.7985	-.0024	-.1519	-.1954			.1119	-.3744	-.3224	-.2146	-.1489
315.000		.3336	-.2215	-1.1090	-.5706	-.3141	-.0135						-.2075	-.0207	.0725

X/LS	.9580
PHI	
.000	.1464
45.000	.0335
90.000	.0014
135.000	-.0424
180.000	-.0895

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ALPHAT(3) = -.590 BETAT (5) = 8.230

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1275
270.000	-.1659
315.000	.0713

ALPHAT(4) = 4.050 BETAT (1) = -8.260

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1590	.3715	-.1726	-1.0520	-.0683	-.0992	-.0076	-.0048	.0107	.0259	.1258	-.1695	-.0975	.1037	.0003
45.000		.3861	-.1340	-1.1430	-.0199	-.0447							.0831	.3630	.2406
90.000		.3332	-.1250	-1.1480	-.0395	-.0319	.0019	.0019	.0287	.0671	.1554	-.0534	.1193	.4091	.2696
135.000		.2339	-.1904	-.6735	-.1835	-.0687							.0137	.2540	.1498
180.000	1.1680	.1958	-.2344	-.6117	-.2834	-.1180	.0126	-.0116	.0434	.1176	.1540	-.2356	-.1383	-.0141	.0676
225.000		.2088	-.2927	-.7[illegible]	-.3951	-.3587	.0590						-.2723	-.1887	-.1830
270.000		.3193	.6265		-.4702	-.4338	-.0587	-.0645			.2111	-.3225	-.2961	-.2442	-.1862
315.000		.3641	-.1475	-.9918	-.2782	-.2432	.0195						-.2552	-.1564	-.2050

X/LS .9380

PHI	
.000	-.0930
45.000	.0960
90.000	.1269
135.000	.0250
180.000	-.1290
225.000	-.1944
270.000	-.1652
315.000	-.1970

ALPHAT(4) = 5.990 BETAT (2) = -4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1710	.3816	-.1744	-1.1950	-.0770	-.0996	-.0306	-.0223	-.0008	.0100	.1069	-.1781	-.0598	.1039	.0553
45.000		.3249	-.1780	-1.1850	-.0469	-.0649							.0679	.2927	.2167
90.000		.2665	-.1790	-1.2040	-.0804	-.0549	-.0430	-.0379	-.0054	.0302	.1195	-.1099	.0716	.2818	.2040
135.000		.2069	-.2105	-.7849	-.2693	-.0745							-.0155	.1394	.0991
180.000	1.1710	.1897	-.2350	-.6891	-.3057	-.1228	-.0338	-.0435	.0185	.0827	.1241	-.2420	-.1290	-.0388	-.0622
225.000		.2092	-.2895	-.8200	-.4857	-.3756	.0146						-.2497	-.1894	-.1587

AEC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1543)

ALPHAT(4) = 3.990 BETAT (2) = -4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3383	.6238		-.5792	-.4824	-.0967	-.0811			.2467	-.3084	-.2826	-.2114	-.1798
315.000		.3876	.1380	-1.0170	-.3139	-.2102	-.0075						-.2382	-.1599	-.1756

X/LS	.9580
PHI	
.000	-.0274
45.000	.0938
90.000	.0791
135.000	-.0006
180.000	-.1098
225.000	-.1479
270.000	-.1475
315.000	-.1758

ALPHAT(3) = 4.000 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1680	.3635	-.1725	-1.1880	-.1011	-.0985	-.0512	-.0543	-.0230	-.0076	.0819	-.1876	-.0419	.1367	.1284
45.000		.2698	-.2134	-1.2050	-.1410	-.0823							.0492	.2495	.1891
90.000		.2118	-.2188	-1.2330	-.2226	-.0673	-.0673	-.0598	-.0297	.0073	.0893	-.1295	.0391	.1807	.1148
135.000		.1860	-.2237	-1.1460	-.2478	-.0725							-.0197	.0841	.0569
180.000	1.1680	.1897	-.2235	-1.1610	-.2284	-.1383	-.0735	-.0584	.0051	.0555	.0918	-.2644	-.1251	-.0414	-.0298
225.000		.2280	-.2702	-.9159	-.5364	-.3386	-.0399						-.2251	-.1526	-.1047
270.000		.3665	.6278		-.6581	-.4529	-.1180	-.0898			.2422	-.3210	-.2702	-.1857	-.1324
315.000		.4201	-.1163	-.8929	-.3551	-.1666	-.0224						-.2348	-.1302	-.1588

X/LS	.9580
PHI	
.000	.0424
45.000	.0668
90.000	.0051
135.000	-.0454
180.000	-.0843
225.000	-.1141
270.000	-.1242
315.000	-.1376

ARC11-716 IA14 C1+T12+S12N25 SRM BOOSTER (RB1S45)

ALPHAT(4) = 4.100 BETAT (4) = 4.200

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1570	.3510	-.1839	-1.1830	-.1580	-.0971	-.0833	-.0675	-.0473	-.0391	.0429	-.1851	-.0013	.2152	.2011
45.000		.2105	-.2630	-1.2380	-.2194	-.1099							.0291	.2075	.1392
90.000		.1566	-.2600	-.9655	-.3999	-.0531	-.0809	-.070*	-.0373	-.0091	.0623	-.1301	.0149	.1201	.0453
135.000		.1556	-.2488	-1.0110	-.3705	-.0585							-.0124	.1238	.0693
180.000	1.1570	.1745	-.2281	-1.2510	-.2209	-.1384	-.1016	-.0687	-.0053	.0252	.0516	-.2642	-.1086	-.0049	.0032
225.000		.2?44	-.2480	-1.0370	-.5802	-.2797	-.0789						-.2125	-.1185	-.0792
270.000		.3902	.6324		-.7403	-.3915	-.1215	-.0792			.2221	-.3523	-.2553	-.1519	-.1021
315.000		.4525	-.0370	-.9495	-.3701	-.0950	-.0437						-.2198	-.0922	-.0405

X/LS	.9580
PHI	
.000	.1058
45.000	.0248
90.000	-.0494
135.000	-.0251
180.000	-.0558
225.000	-.0921
270.000	-.0909
315.000	-.0123

ALPHAT(4) = 4.130 BETAT (5) = 8.300

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1350	.3557	-.2034	-1.1750	-.2059	-.1139	-.1185	-.0952	-.0729	-.0612	.0112	-.1663	.0598	.3543	.2826
45.000		.1496	-.3123	-1.2410	-.3018	-.1435							.0377	.2188	.1065
90.000		.1141	-.2069	-.7086	-.5004	-.049*	-.0927	-.0831	-.0564	-.0389	.0361	-.1014	.0278	.1142	.0514
135.000		.1295	-.2737	-.8249	-.4356	-.0655							.0078	.1607	.0968
180.000	1.1350	.1642	-.2343	-1.2490	-.2475	-.1495	-.1250	-.0923	-.0226	-.0027	.0126	-.2410	-.0891	.0515	.0310
225.000		.2600	-.2242	-1.1180	-.5962	-.2259	-.1119						-.2118	-.1003	-.0815
270.000		.4281	.6343		-.7967	-.2488	-.1201	-.0933			.2147	-.3645	-.2668	-.1484	-.0815
315.000		.4832	-.0679	-.8655	-.3698	-.0268	-.0512						-.1788	.0539	.1209

X/LS	.9580
PHI	
.000	.1499
45.000	-.0181
90.000	-.0775
135.000	-.0089
180.000	-.0410

APC11-716 IA14 01+710+S12N25 SRM BOOSTER (R81S43)

ALPHAT(4) = 4.150 BETAT (5) = 8.300

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1051
270.000	-.1132
315.000	.1205

ALPHAT(5) = 8.140 BETAT (1) = -8.260

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0980	.4919	-.0925	-1.0600	-.0258	.0109	.0336	.0372	.0435	.0607	.1375	-.1458	-.0297	.1968	.1015
45.000		.4334	-.0764	-1.0430	-.0338	-.0190							.1074	.4325	.2955
90.000		.2428	-.1745	-1.1610	-.1284	-.1007	-.0809	-.0653	-.0365	.0317	.1419	-.0962	.0592	.3451	.1970
135.000		.0965	-.2840	-.6336	-.2779	-.1734							-.0556	.1379	.0150
180.000	1.0980	.0735	-.3138	-.6312	-.3091	-.1925	-.0445	-.0549	.0058	.0972	.1206	-.2454	-.1132	-.0114	-.0994
225.000		.0596	-.4554	-.2766	-.4559	-.4760	.0170						-.2471	-.1451	-.1463
270.000		.2036	.5192		-.4545	-.2300	-.0244	-.0337			.1797	-.3143	-.2913	-.2206	-.1587
315.000		.4208	-.0498	-.7969	-.1556	.0239	.0326						-.2542	-.1451	-.1554

X/LS .9580

PHI	
.000	-.0034
45.000	.1530
90.000	.0715
135.000	-.0878
180.000	-.1591
225.000	-.1707
270.000	-.1428
315.000	-.1797

ALPHAT(5) = 8.180 BETAT (2) = -4.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0970	.4906	-.0909	-1.0970	-.0537	-.0241	-.0010	-.0067	.0090	.0238	.1050	-.1677	-.0044	.2598	.1605
45.000		.3618	-.1270	-1.1050	-.0755	-.0930							.0817	.3385	.2589
90.000		.1714	-.2294	-1.1900	-.1627	-.1551	-.1404	-.1304	-.0907	-.0125	.1071	-.1453	.0105	.0373	.1159
135.000		.0747	-.2843	-.6873	-.3476	-.1615							-.0577	.0767	-.0259
180.000	1.0970	.0711	-.3058	-.6681	-.4127	-.1992	-.0758	-.0756	-.0262	.0441	.0723	-.2498	-.1112	-.0160	-.0687
225.000		.0393	-.4627	-.9660	-.5203	-.5334	-.0230						-.2321	-.1256	-.1057

ARC11-716 IA14 C1+T12+S12N25 SRM BOOSTER (R81543)

ALPHAT(5) = 9.160 BETAT (2) = -4.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE C?

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4980	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.2120	.5114		-.5099	-.2355	-.0726	-.0665			.1892	-.3140	-.2594	-.1960	-.1318
315.000		.4568	-.0054	-.9095	-.1905	.0063	.0111						-.2367	-.1287	-.1367

X/LS	.9580
PHI	
.000	.0693
45.000	.1198
90.000	.0095
135.000	-.1077
180.000	-.1419
225.000	-.1298
270.000	-.1103
315.000	-.1366

ALPHAT(5) = 9.160 BETAT (5 = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE C?

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0900	.4925	-.1009	-1.1061	-.2110	-.0596	-.0521	-.0500	-.0381	-.0193	.0600	-.1726	.0146	.2794	.2366
45.000		.2832	-.2239	-1.1850	-.1308	-.1470							.0410	.3101	.2006
90.000		.1050	-.2781	-1.1000	-.2790	-.1740	-.1668	-.1638	-.1197	-.0308	.0868	-.1502	-.0127	.1450	.0306
135.000		.0622	-.2871	-.7179	-.4034	-.1392							-.0358	.0505	-.0218
180.000	1.0900	.0647	-.2949	-.7295	-.4324	-.1956	-.0959	-.0774	-.0169	.0503	.0909	-.2320	-.0908	.0719	.0057
225.000		.0406	-.4531	-1.0190	-.6003	-.4700	-.0513						-.1989	-.0810	-.0770
270.000		.2334	.5108		-.5606	-.1950	-.0598	-.0689			.1946	-.3226	-.2355	-.1607	-.0958
315.000		.4961	.0188	-.8246	-.2213	.0057	-.0094						-.2104	-.0742	-.0893

X/LS	.9580
PHI	
.000	.1203
45.000	.0673
90.000	-.0677
135.000	-.1175
180.000	-.0893
225.000	-.1008
270.000	-.0916
315.000	-.0777

APC11-7:8 IA14 01+712+S12N25 SRM BOOSTER (RB1543)

ALPHAT(5) = 0.150 BETAT (4) = 4.180

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0720	.4702	-.1237	-1.0960	-.1661	-.1049	-.0978	-.0910	-.0848	-.0683	.0117	-.1781	.0330	.3129	.2800
45.000		.2048	-.2955	-1.2260	-.2091	-.2189							.0082	.2340	.1211
90.000		.0563	-.3215	-.8138	-.4193	-.1792	-.1725	-.1649	-.1015	-.0390	.0619	-.1456	-.0131	.0826	-.0205
135.000		.0363	-.3021	-.7147	-.4600	-.1087							-.0290	.0820	-.0018
180.000	1.0720	.0300	-.2981	-.8200	-.4404	-.1326	-.1006	-.0916	-.0137	.0355	.0477	-.2426	-.0970	.0965	.0544
225.000		.0345	-.4360	-1.0020	-.6650	-.4126	-.0650						-.1924	-.0722	-.0542
270.000		.2545	.5071		-.6139	-.1433	-.0572	-.0563			.1871	-.3335	-.2403	-.1424	-.0659
315.000		.5308	.0398	-.6919	-.2329	.0094	-.0023						-.1986	-.0375	.0125

X/LS	.9580
PHI	
.000	.1542
45.000	-.0072
90.000	-.1151
135.000	-.1129
180.000	-.0297
225.000	-.0877
270.000	-.0789
315.000	.0256

ALPHAT(5) = 0.220 BETAT (5) = 8.380

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0540	.4516	-.1377	-1.0730	-.2493	-.1890	-.1256	-.1132	-.1128	-.0924	-.0065	-.1373	.1151	.4257	.3430
45.000		.1237	-.3579	-1.2630	-.5030	-.2870							.0098	.2067	.0904
90.000		.0147	-.3550	-.7192	-.4809	-.1604	-.1512	-.1357	-.1033	-.0699	.0342	-.1193	-.0054	.0718	-.0201
135.000		.0343	-.3086	-.7174	-.4357	-.1091							-.0181	.1075	.0419
180.000	1.0540	.0577	-.2891	-.9176	-.4173	-.3119	-.0665	-.0721	-.0242	.0154	.0273	-.2295	-.0823	.0874	.0615
225.000		.0531	-.3907	-.9176	-.5447	-.5009	-.0750						-.2097	-.1025	-.0333
270.000		.2925	.5166		-.4927	-.1567	.0600	-.1393			.2042	-.3426	-.2841	-.1441	-.0780
315.000		.5793	.0735	-.4519	-.2312	-.0769	.0224						-.1904	.2406	.3138

X/LS	.9580
PHI	
.000	.1874
45.000	-.0854
90.000	-.1239
135.000	-.0724
180.000	-.0231

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1343)

ALPHAT(9) = 8.220 BETAT (5) = 8.380

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L.B .9580

PHI	
225.000	-.0772
270.000	-.1487
315.000	.2592

ARC11-716 IA14 C1+T12+S12N25 SRM BOOSTER (RB1544) (14 FEB 74)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 39.7090 INCHES YMRP = .0000 INCHES
BREF = 39.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .900 ELEVON = .000
RUDDER = .000 SPDBRK = .000

ALPHAT(1) = -8.990 BETAT (1) = -8.190

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1210	.0572	-.3177	-1.1170	-.5187	-.5294	-.2601	-.1522	-.1465	-.1406	.0097	-.3083	-.2898	-.1927	-.2953
45.000		.0544	-.3033	-1.1480	-.4288	-.4150							-.1789	-.0725	-.1896
90.000		.2309	-.1522	-1.0490	-.2989	-.2706	-.4177	-.3016	-.2514	-.2787	-.0929	-.2102	-.0255	.2204	.1659
135.000		.4707	.0369	-.9163	-.0573	-.0691							.0669	.3727	.3152
180.000	1.1210	.5791	.0729	-.8865	.0604	.0514	-.0374	-.0003	.0610	.0424	.1570	-.2681	-.0363	.1332	.0345
225.000		.4926	.1397	-.6269	-.0326	.0479	-.0077						-.3169	-.2073	-.2412
270.000		.1994	.5204		-.6756	-.7907	-.1740	.0031			.1681	-.3703	-.3226	-.2995	-.2844
315.000		.0363	-.5117	-.7756	-.6900	-.5916	-.0652						-.3610	-.3578	-.2790

X/LS	.9580
PHI	
.000	-.3031
45.000	-.2559
90.000	.0510
135.000	.1884
180.000	-.0700
225.000	-.2449
270.000	-.2415
315.000	-.2445

ALPHAT(1) = -8.990 BETAT (2) = -4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1150	.0510	-.3119	-1.0680	-.5292	-.7190	-.2428	-.1314	-.1512	-.1331	-.0039	-.2967	-.2420	-.1486	-.2092
45.000		.0405	-.2953	-1.1550	-.4867	-.3737							-.1323	-.0515	-.1457
90.000		.1619	-.2027	-1.0950	-.4057	-.3165	-.4249	-.3038	-.2585	-.2900	-.0812	-.2492	-.0547	.1344	.1095
135.000		.4014	-.0264	-.9777	-.1699	-.1837							-.0056	.2596	.2263
180.000	1.1150	.5759	.0764	-.9910	-.0119	-.0331	-.1395	-.0424	.0219	-.0115	.0879	-.3309	-.1261	.0822	.0587
225.000		.5275	.1590	-.5721	-.0711	-.0189	-.0877						-.3250	-.2744	-.2379
270.000		.2012	.5039		-.6483	-.7367	-.2205	.0059			.2478	-.3474	-.3292	-.2805	-.2665
315.000		.0158	-.5255	-.7854	-.6552	-.6039	-.1716						-.3668	-.3408	-.2799

X/LS	.9580

[illegible]P211-P10 IA14 C1+T12+S12*25 SRM BOOSTER (R81844)

ALPHAT(1) = -0.550 BETAT (2) = -4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
.000	-.2285
45.000	-.1480
90.000	.0155
135.000	.1245
180.000	-.0419
225.000	-.0737
270.000	-.1158
315.000	-.2514

ALPHAT(1) = -0.521 BETAT (3) = .020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0050	.0340	.0990	.1440	.2010	.2670	.3730	.4880	.6030	.7190	.8330	.8900	.9170	.9390
PHI														
.000	1.1178	.7810	-.3054	-.1.[illegible]	-.3760	-.4932	-.1732	-.0891	-.0345	-.1544	-.0996	-.2806	-.1419	-.0079	-.1165
45.000		.4[illegible]4	-.0977	-.154[illegible]	-.4[illegible]	-.5325							-.1026	-.0374	-.0876
90.000		.1515	.0923	-.1.[illegible]	-.4937	-.5418	-.3791	-.2797	-.2427	-.2799	-.0527	-.2714	-.0777	.0967	.0545
135.000		.3394	-.1112	-.0390	-.3094	-.2814							-.0610	.1895	.1646
180.000	1.1[illegible]41	.5[illegible]6	.0615	-.[illegible]375	-.1[illegible]1	-.1[illegible]202	-.2474	-.0877	-.0216	-.0519	-.0019	-.3806	-.1538	.0648	.0797
225.000		.4754	.1936	-.3516	-.0642	-.2712	-.1461						-.2892	-.2028	-.1547
270.000		.2164	.4977		-.[illegible]164	-.[illegible]748	-.2507	.0015			.1469	-.3528	-.3147	-.2608	-.2194
315.000		.[illegible]325	-.5243	-.6[illegible]89	-.6[illegible]62	-.[illegible]257	-.1442						-.3044	-.1785	-.1732

X/LS .9580

PHI	
.000	-.1959
45.000	-.1709
90.000	-.0281
135.000	.0420
180.000	-.0009
225.000	-.1485
270.000	-.1908
315.000	-.1978

A[311-716 TA14 06+712+812N25 SM BOOSTER (RB1544)

ALPHAT(1) = -0.540 BETAT (4) = 4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3750	.4980	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0470	.3465	-.5030	-.9210	-.6146	-.4922	-.1171	-.0351	-.0306	-.0692	-.0083	-.2670	-.0935	.2091	.1519
45.000		.0391	-.2176	-1.1550	-.5015	-.2717							-.0803	.0021	-.0367
90.000		.0423	-.2990	-1.1610	-.4963	-.3433	-.3451	-.2223	-.1725	-.1309	.0086	-.2807	-.0866	.0081	.0018
135.000		.2436	-.1942	-1.0990	-.4636	-.3902							-.0969	.0773	.1000
180.000	1.0470	.6560	.0414	-.0018	-.1918	-.2237	-.3204	-.1411	-.0540	-.0929	-.1011	-.3904	-.1851	-.0781	-.0070
225.000		.6168	.2131	-.1579	-.1068	-.1139	-.1663						-.3021	-.2537	-.2041
270.000		.2419	.4865		-.5929	-.7553	-.2370	-.0186			.0946	-.4194	-.3574	-.2825	-.2200
315.000		-.0018	-.6204	-.6513	-.5341	-.0149	-.1481						-.3135	-.1341	-.1156

X/LS .9580

PHI	
.000	.0875
45.000	-.1101
90.000	-.0704
135.000	.0235
180.000	-.0356
225.000	-.1004
270.000	-.1958
315.000	-.0965

ALPHAT(1) = -0.570 BETAT (5) = 0.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3750	.4980	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0660	.0338	-.5005	-1.0010	-.6362	-.5173	-.0481	-.0191	-.0264	-.0515	.0141	-.2360	.0011	.3162	.2964
45.000		.0336	-.2493	-1.1420	-.4923	-.2173							-.0458	.1889	.0724
90.000		-.0044	-.3316	-1.1720	-.5442	-.3159	-.2759	-.1933	-.1212	-.1180	-.0271	-.2460	-.0843	.0002	-.0134
135.000		.1838	-.2722	-1.1160	-.6020	-.4610							-.1413	-.0481	-.0392
180.000	1.0860	.5550	.0252	-.8769	-.2622	-.3572	-.3780	-.2175	-.1834	-.0901	-.1557	-.3843	-.2545	-.1698	-.1060
225.000		.6621	.2501	-.0693	-.1495	-.1401	-.1701						-.3425	-.2836	-.2166
270.000		.2435	.4728		-.5705	-.7581	-.2710	-.0372			-.0607	-.4363	-.3711	-.2967	-.2349
315.000		-.0234	-.5791	-.6178	-.5783	-.0448	-.1552						-.2714	-.1159	-.0475

X/LS .9590

PHI	
.000	.1866
45.000	-.0356
90.000	-.0461
135.000	-.0429
180.000	-.1296

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1544)

ALPHAT(1) = -8.570 BETAT (5) = 8.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1854
270.000	-.2145
315.000	-.0349

ALPHAT(2) = -4.500 BETAT (1) = -8.230

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	-.1920	.1745	-.2351	-1.1250	-.3861	-.4132	-.1614	-.0807	-.0498	-.0377	.0970	-.2450	-.2100	-.1176	-.2246
45.000		.2131	-.1907	-1.0910	-.3137	-.2478							-.0984	.0622	-.0272
90.000		.3331	-.0756	-1.0170	-.1521	-.1078	-.1574	-.1178	-.0799	-.0784	.0391	-.1509	.0449	.3107	.2342
135.000		.4388	.0176	-.9778	.0254	-.0067							.0903	.3370	.2874
180.000	1.1920	.4529	.0051	-.9849	.0664	.0406	-.0188	-.0120	.0560	.0813	.1945	-.2283	-.0409	.1104	.0190
225.000		.4357	.0362	-.9864	-.1443	.0225	-.0037						-.2925	-.1811	-.2140
270.000		.3355	.6433		-.5886	-.7335	-.1376	-.0144			.2618	-.3386	-.2867	-.2664	-.2530
315.000		.1965	-.3183	-.9289	-.5886	-.5662	-.0292						-.3154	-.2808	-.2485

X/LS .9580

PHI	
.000	-.2698
45.000	-.1145
90.000	.1067
135.000	.1543
180.000	-.0687
225.000	-.2257
270.000	-.2186
315.000	-.2209

ALPHAT(2) = -4.350 BETAT (2) = -4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0540	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1950	.1762	-.2260	-1.1160	-.4141	-.3457	-.1340	-.0599	-.0358	-.0379	.0752	-.2375	-.1851	-.0988	-.1704
45.000		.1916	-.1955	-1.1030	-.4097	-.2120							-.0781	.0425	-.0050
90.000		.2778	-.1157	-1.0600	-.2863	-.1389	-.1838	-.1197	-.0773	-.0905	.0434	-.1870	.0162	.2009	.1731
135.000		.3858	-.0404	-1.0220	-.0939	-.0766							.0222	.2392	.2137
180.000	1.1950	.4565	-.0012	-.9968	-.0019	-.0268	-.1001	-.0536	.0243	.0341	.1497	-.2959	-.0950	.0699	.0184
225.000		.4623	.0513	-.8740	-.1754	-.0522	-.0726						-.2838	-.2384	-.2190

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1344)

ALPHAT(2) = -4.350 BETAT (2) = -4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3564	.6423		-.5652	-.6461	-.1581	-.0099			.2784	-.3146	-.2972	-.2492	-.2278
315.000		.2014	-.3146	-.8189	-.5711	-.5798	-.0664						-.3246	-.2810	-.2541

X/LS	.9580
PHI	
.000	-.2073
45.000	-.0787
90.000	.0677
135.000	.1125
180.000	-.0532
225.000	-.1900
270.000	-.1790
315.000	-.2118

ALPHAT(2) = -4.240 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1890	.1674	-.2259	-1.1260	-.4560	-.3412	-.0990	-.0307	-.0244	-.0337	.0376	-.2267	-.1341	-.0575	-.0934
45.000		.1727	-.2040	-1.1160	-.4313	-.1795							-.0564	.0460	.0114
90.000		.2239	-.1624	-1.0980	-.3620	.1526	-.1993	-.1102	-.0717	-.0861	.0433	-.2110	-.0098	.1250	.1053
135.000		.3326	-.0914	-1.0580	-.2328	.1511							-.0058	.1753	.1482
180.000	1.1890	.4541	-.0011	-.9823	-.1017	-.1038	-.1807	-.0779	-.0036	-.0085	.0744	-.3199	-.0942	.0932	.0605
225.000		.5008	.0802	-.8362	-.2076	-.1129	-.1258						-.2565	-.1720	-.1496
270.000		.3782	.6382		-.5455	-.5855	-.1712	-.0060			.2119	-.3291	-.2980	-.2320	-.1915
315.000		.2082	-.3120	-.7906	-.5419	-.5736	-.0958						-.2756	-.1914	-.1890

X/LS	.9580
PHI	
.000	-.1484
45.000	-.0705
90.000	.0085
135.000	.0548
180.000	-.0135
225.000	-.1273
270.000	-.1740
315.000	-.1883

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1544)

ALPHAT(2) = -4.290 BETAT (4) = 4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1770	.1637	-.2237	-1.1200	-.4962	-.3864	-.0763	-.0202	-.0195	-.0292	.0511	-.2307	-.0816	.1173	.1055
45.000		.1558	-.2163	-1.1160	-.4514	-.1529							-.0148	.1443	.0468
90.000		.1764	-.1960	-1.1160	-.4232	-.1558	-.1628	-.0978	-.0501	-.0628	.0703	-.2063	-.0318	.0552	.0451
135.000		.2753	-.1441	-1.0840	-.4177	-.2224							-.0550	.0697	.0795
180.000	1.1770	.4464	-.0071	-.9503	-.2395	-.1750	-.2428	-.1219	-.0361	-.0438	-.0095	-.3399	-.1512	.0005	.0229
225.000		.5403	.1139	-.7780	-.2368	-.1426	-.1511						-.2715	-.2028	-.1709
270.000		.4389	.6223		-.5223	-.5504	-.1653	-.0103			.1314	-.3720	-.3319	-.2450	-.1890
315.000		.2109	-.0320	-.7614	-.5197	-.5725	-.0969						-.2747	-.1464	-.1411

X/LS	.9580
PHI	
.000	.0404
45.000	-.0494
90.000	-.0373
135.000	.0133
180.000	-.0244
225.000	-.1596
270.000	-.1687
315.000	-.1216

ALPHAT(2) = -4.310 BETAT (5) = 8.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1540	.1435	-.2358	-1.1330	-.5432	-.4060	-.0338	-.0097	-.0151	-.0244	.0632	-.2062	.0019	.2151	.2430
45.000		.1331	-.2386	-1.1270	-.4833	-.1203							.0341	.2196	.1845
90.000		.1293	-.2354	-1.1450	-.4932	-.1474	-.1646	-.1177	-.0729	-.0526	.0319	-.2041	-.0307	.0815	.0204
135.000		.2123	-.2055	-1.1240	-.5297	-.2933							-.0790	.0041	.0204
180.000	1.1540	.4336	-.0241	-.9503	-.3271	-.2391	-.2761	-.1693	-.0638	-.0532	-.0874	-.3213	-.2105	-.1183	-.0992
225.000		.5730	.1391	-.6860	-.2402	-.1589	-.1598						-.2974	-.2587	-.1954
270.000		.4259	.6208		-.5297	-.5334	-.0960	-.0437			.0696	-.3982	-.3530	-.2577	-.1935
315.000		.2158	-.2898	-.7625	-.5314	-.5832	-.0540						-.2556	-.1120	-.0495

X/LS	.9580
PHI	
.000	.1461
45.000	.0782
90.000	-.0364
135.000	-.0381
180.000	-.1231

AC211-716 1A14 C1+T12+S12N25 SRM BOOSTER (RB1S44)

ALPHAT(2) = -4.310 BETAT (5) = 9.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9590

PHI	
225.000	-.1777
270.000	-.1659
315.000	-.0419

ALPHAT(3) = -.210 BETAT (1) = -9.240

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2210	.2855	-.1613	-1.0950	-.2993	-.2347	-.0534	-.0277	-.0060	.0139	.1333	-.2110	-.1662	-.0511	-.1507
45.000		.3292	-.1116	-1.0550	-.2055	-.1048							-.0102	.1974	.1129
90.000		.3827	-.0382	-1.0150	-.1109	-.0143	-.0229	-.0144	.0231	.0451	.1422	-.0092	.1040	.3459	.2771
135.000		.3738	-.0441	-1.0300	-.0712	.0067							.0669	.3055	.2434
180.000	1.2210	.3409	-.0809	-1.0660	-.0844	-.0071	.0060	-.0197	.0547	.1194	.2170	-.2220	-.0687	.0518	-.0186
225.000		.3565	-.0812	-.0995	-.3591	-.1395	.0296						-.2732	-.1620	-.2016
270.000		.3894	.7025		-.5492	-.4696	-.1526	-.0751			.1915	-.3244	-.2912	-.2686	-.2290
315.000		.3183	-.1761	-.9851	-.4785	-.4145	-.0186						-.2907	-.2434	-.2280

X/LS .9580

PHI	
.000	-.2017
45.000	.0050
90.000	.1411
135.000	.1097
180.000	-.0927
225.000	-.2160
270.000	-.2097
315.000	-.2168

ALPHAT(3) = -.580 BETAT (2) = -4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2190	.2807	-.1586	-1.0930	-.3404	-.2517	-.0398	-.0408	-.0184	-.0101	.1022	-.2189	-.1490	-.0290	-.0774
45.000		.2915	-.1303	-1.0730	-.3375	-.1150							-.0133	.1610	.1103
90.000		.3254	-.0790	-1.0500	-.2641	-.0387	-.0575	-.0402	.0211	.0213	.1201	-.1418	.0601	.2429	.2062
135.000		.3437	-.0627	-1.0490	-.1905	-.0210							.0243	.1753	.1706
180.000	1.2190	.3548	-.0655	-1.0500	-.1216	-.0248	-.0419	-.0133	.0351	.0775	.1625	-.0633	-.1101	.0075	-.0107
225.000		.3845	-.0541	-.9767	-.3964	-.1363	-.0031						-.2650	-.1806	-.1627

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1344)

ALPHAT(3) = -.580 BETAT (2) = -4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4098	.7025		-.5808	-.4237	-.0242	-.0545			.2786	-.3313	-.2983	-.2382	-.2005
315.000		.3243	-.1770	-.9865	-.5077	-.5404	.0007						-.2889	-.2085	-.1917

X/LS	.9580
PHI	
.000	-.1343
45.000	.0075
90.000	.0900
135.000	.0700
180.000	-.0695
225.000	-.1595
270.000	-.1799
315.000	-.1955

ALPHAT (3) = -.590 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2180	.2699	-.1613	-1.0980	-.4668	-.2661	-.0730	-.0463	-.0164	-.0071	.0897	-.2148	-.1078	.0094	-.0082
45.000		.2562	-.1556	-1.0930	-.4235	-.0754							-.0106	.1148	.1058
90.000		.2708	-.1245	-1.0950	-.3692	-.0295	-.0815	-.0520	-.0077	.0054	.1030	-.1829	.0120	.1261	.1337
135.000		.3036	-.0977	-1.0770	-.2875	-.0450							-.0388	.0804	.0969
180.000	1.2180	.3511	-.0689	-1.0520	-.1594	-.0440	-.1025	-.0773	.0035	.0298	.0960	-.2996	-.1429	-.0321	-.0137
225.000		.4095	-.0335	-.9813	-.3000	-.0514	-.0425						-.2668	-.2116	-.1492
270.000		.4343	.7001		-.6542	-.3719	-.0017	-.1224			.2342	-.3355	-.2981	-.2375	-.2016
315.000		.3421	-.1665	-1.0040	-.5619	-.5711	.0165						-.2744	-.1645	-.1838

X/LS	.9580
PHI	
.000	-.0507
45.000	.0289
90.000	.0448
135.000	.0200
180.000	-.0604
225.000	-.1376
270.000	-.1876
315.000	-.1838

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1344)

ALPHAT(3) = -.590 BETAT (4) = 4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2080	.2638	-.1649	-1.0880	-.5688	-.1991	-.0597	-.0424	-.0139	-.0044	.1006	-.2028	-.0550	.0804	.0963
45.000		.2204	-.1818	-1.0990	-.4016	-.0596							.0135	.1621	.1295
90.000		.2223	-.1626	-1.1010	-.4218	-.0047	-.0867	-.0493	-.0134	-.0060	.0749	-.1805	-.0071	.1376	.0673
135.000		.2625	-.1338	-1.0910	-.4267	-.0728							-.0576	.0346	.0297
180.000	1.2080	.3448	-.0731	-1.0460	-.3223	-.0704	-.1678	-.1068	-.0248	-.0014	.0336	-.3092	-.1713	-.0629	-.0359
225.000		.4418	-.0039	-.9209	-.4116	-.0024	-.0943						-.2841	-.2242	-.1686
270.000		.4659	.6348		-.7900	-.2041	-.0480	-.1620			.1741	-.3558	-.3244	-.2521	-.1859
315.000		.3608	-.1460	-1.0050	-.5864	-.4984	.0107						-.2852	-.1210	-.1190

X/LS	.9580
PHI	
.000	.0376
45.000	.0327
90.000	-.0090
135.000	-.0315
180.000	-.0619
225.000	-.1402
270.000	-.1638
315.000	-.0958

ALPHAT(3) = -.570 BETAT (5) = 8.240

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1890	.2479	-.1830	-1.0970	-.5674	-.1683	-.0502	-.0324	-.0087	-.0043	.0982	-.1854	.0238	.2128	.2307
45.000		.1855	-.2141	-1.1220	-.4439	-.0642							.0484	.1844	.1453
90.000		.1832	-.2008	-1.1270	-.4559	-.0035	-.0752	-.0513	-.0107	-.0106	.0435	-.1636	.0214	.1548	.1147
135.000		.2176	-.1788	-1.1210	-.5190	-.1254							-.0633	.0347	.0246
180.000	1.1890	.3352	-.0849	-1.0450	-.3929	-.1309	-.2153	-.1415	-.0404	-.0227	-.0272	-.2869	-.1898	-.1045	-.0762
225.000		.4695	.0207	-.8834	-.3597	-.0135	-.1365						-.2805	-.2061	-.1549
270.000		.4877	.6986		-.8272	-.1309	-.1091	-.2294			.1186	-.3663	-.3198	-.2442	-.1747
315.000		.3744	-.1372	-.9957	-.5806	-.3921	-.0072						-.2421	-.0302	.0141

X/LS	.9580
PHI	
.000	.1384
45.000	.0338
90.000	.0198
135.000	-.0429
180.000	-.1[illegible]

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1844)

ALPHAT(3) = -.570 BETAT (5) = 8.240

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1592
270.000	-.1705
315.000	.0190

ALPHAT(4) = 4.100 BETAT (1) = -8.280

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2000	.4[illegible]	[illegible].1845	-1.0360	-.1326	-.1577	-.0110	.0005	.0243	.0476	.1658	-.1889	-.1068	.0710	-.0189
45.000		.4119	-.0529	-1.0050	-.0719	-.0498							.0656	.3419	.2410
90.000		.3811	-.0469	-1.0110	-.0754	-.0325	.0008	.0021	.0343	.0879	.1909	-.0997	.1103	.3671	.2706
135.000		.2662	-.1113	-.0725	-.2142	-.0756							.0205	.2299	.1510
180.000	1.2000	.2227	-.1647	-.7474	-.2303	-.1437	.0259	-.0153	.0555	.1472	.1974	-.2476	-.1148	-.0061	-.0742
225.000		.2432	-.2178	[illegible].7[illegible]	-.3387	-.4426	.1064						-.2795	-.1932	-.1967
270.000		.3549	.6783		-.[illegible]783	-.4598	.0149	-.0568			.2447	-.3227	-.3179	-.2590	-.2078
315.000		.3971	-.0571	-.[illegible]9[illegible]	-.2761	-.4045	.0302						-.2822	-.2020	-.2171

X/LS .9580

PHI	
.000	-.0971
45.000	.1132
90.000	.1420
135.000	.0345
180.000	-.1292
225.000	-.2060
270.000	-.1885
315.000	-.2120

ALPHAT(4) = 4.120 BETAT (2) = -4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
000	1.1990	.4041	-.0810	-1.0350	-.1969	-.1620	-.0202	-.0060	.0134	.0342	.1548	-.1907	-.0774	.0691	.0401
45.000		.3612	-.0383	-1.0280	-.2442	-.0705							.0516	.2747	.2219
90.000		.3018	-.0896	-1.0470	-.2336	-.0426	-.0317	-.0325	.0108	.0581	.1623	-.1328	.0617	.2398	.1989
135.000		.2440	-.1175	-1.0790	-.2698	-.0638							-.0150	.1146	.0928
180.000	1.1990	.2273	-.1469	-1.0090	-.2757	-.1744	-.0143	-.0479	.0392	.1178	.1674	-.2452	-.1274	-.0462	-.0617
225.000		.2317	-.2065	-.7393	-.3760	-.4954	.0537						-.2774	-.2060	-.1714

ARC11-716 TA14 01+T12+S12N25 SRM BOOSTER (RB1544)

ALPHAT(4) = 4.120 BETAT (2) = -4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3748	.6758		-.4832	-.5475	-.0536	-.0856			.3023	-.3086	-.2957	-.2585	-.1828
315.000		.4247	-.0426	-.8904	-.3613	-.3951	.0237						-.2647	-.1676	-.1834

X/LS	.9580
PHI	
.000	-.0262
45.000	.1027
90.000	.0647
135.000	.0078
180.000	-.1133
225.000	-.1670
270.000	-.1587
315.000	-.1725

ALPHAT(4) = 4.000 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1990	.4011	-.0877	-1.0420	-.3696	-.1285	-.0374	-.0295	-.0085	.0139	.1282	-.2051	-.0559	.1260	.1041
45.000		.3073	-.1286	-1.0580	-.5361	-.0618							.0140	.2281	.1834
90.000		.2460	-.1344	-1.0830	-.3383	-.0241	-.0603	-.0623	-.0117	.0316	.1347	-.1579	.0140	.1507	.1054
135.000		.2197	-.1375	-1.0960	-.3422	-.0404							-.0398	.0515	.0432
180.000	1.1950	.2212	-.1380	-1.0930	-.2949	-.1706	-.0599	-.0703	.0261	.0827	.1343	-.2801	-.1512	-.0579	-.0515
225.000		.2630	-.1892	-.8446	-.4909	-.4865	-.0036						-.2807	-.1965	-.1536
270.000		.4028	.6732		-.5542	-.5531	-.0977	-.1115			.2353	-.3424	-.3060	-.2285	-.1775
315.000		.4579	-.0276	-.8827	-.4236	-.3154	.0016						-.2708	-.1546	-.1605

X/LS	.9580
PHI	
.000	.0309
45.000	.0786
90.000	.0225
135.000	-.0365
180.000	-.0370
225.000	-.1352
270.000	-.1624
315.000	-.1655

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1844)

ALPHAT(4) = 4.00 BETAT (4) = 4.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1850	.3940	-.0923	-1.0310	-.5028	-.1160	-.0626	-.0487	-.0257	-.0077	.0918	-.2090	-.0332	.1790	.1867
45.000		.2572	-.1667	-1.0800	-.5790	-.0715							.0154	.1972	.1346
90.000		.2024	-.1694	-1.1040	-.4022	-.0015	-.0721	-.0641	-.0212	.0151	.1070	-.1628	.0035	.0963	.0444
135.000		.1994	-.1574	-1.0990	-.3804	-.0254							-.0378	.0653	.0591
180.000	1.1850	.2201	-.1388	-1.0950	-.3389	-.1473	-.0979	-.0748	.0077	.0495	.0969	-.2974	-.1418	-.0316	-.0163
225.000		.2847	-.1614	-.9315	-.5378	-.4129	-.0468						-.2507	-.1626	-.1135
270.000		.4537	.6718		-.6111	-.5371	-.1008	-.0966			.2532	-.3650	-.2850	-.1930	-.1356
315.000		.4907	-.0079	.8562	-.4425	-.2521	-.0097						-.2570	-.1277	-.0776

X/LS	.9590
PHI	
.000	.1062
45.000	.0429
90.000	-.0402
135.000	-.0232
180.000	-.0620
225.000	-.1028
270.000	-.1230
315.000	-.0614

ALPHAT(4) = 4.070 BETAT (5) = 8.300

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1680	.3614	-.1107	-1.0200	-.5656	-.0904	-.1032	-.0840	-.0553	-.0344	.0515	-.2034	.0309	.3106	.2801
45.000		.1999	-.2182	-1.1030	-.4471	-.1015							.0292	.2035	.1134
90.000		.1649	-.2043	-1.1180	-.4323	-.0060	-.0781	-.0798	-.0363	-.0137	.0747	-.1539	.0154	.0987	.0364
135.000		.1813	-.1800	-1.1120	-.4259	-.0256							-.0207	.1187	.0894
180.000	1.1680	.2133	-.1426	-1.0870	-.4443	-.1428	-.1273	-.0880	-.0105	.0210	.0366	-.2638	-.1161	-.0140	.0060
225.000		.3034	-.1363	-1.0090	-.6060	-.2816	-.1053						-.2358	-.1506	-.1066
270.000		.4545	.6679		-.7936	-.5615	-.0901	-.0795			.2294	-.3695	-.277	-.1908	-.1211
315.000		.5147	.0128	-.7896	-.4690	-.0586	-.0371						-.2305	-.0333	.0626

X/LS	.9590
PHI	
.000	.1838
45.000	.0074
90.000	-.0624
135.000	.0315
180.000	-.0481

17611-715 IA14 C14712+S12N2 SRM BOOSTER (RB1344)

ALPHAT(4) = 4.070 BETAT (5) = 9.300

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1179
270.000	-.1271
315.000	.0029

ALPHAT(5) = 9.120 BETAT (1) = -8.270

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1543	.2010	.2970	.3730	.4980	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1300	.5196	-.0202	-.9800	.0419	-.0915	.0333	.0437	.0585	.0915	.2068	-.1637	-.0409	.2204	.1239
45.000		.4600	-.0050	-.9539	.0448	-.0409							.1022	.4553	.3184
90.000		.2609	-.1026	-1.0360	-.0500	-.1046	-.0648	-.0454	-.0144	.0666	.1814	-.1178	.0514	.3409	.2073
135.000		.1172	-.2096	-.6221	-.2814	-.1600							-.0662	.1336	-.0019
180.000	1.1300	.1035	-.2410	-.5731	-.3181	-.2110	-.0606	-.0167	.0221	.1275	.1379	-.2775	-.1322	-.0299	-.1156
225.000		.0967	-.3029	-.6146	-.3474	-.4019	.0455						-.3079	-.1840	-.1735
270.000		.2381	.5737		-.2771	-.4904	.0001	.0072			.3323	-.3332	-.3103	-.2653	-.1971
315.000		.4456	.0299	-.7978	-.1029	-.2929	.0310						-.2496	-.1267	-.1994

X/LS .9580

PHI	
.000	.0189
45.000	.1808
90.000	.0929
135.000	-.0879
180.000	-.1810
225.000	-.1806
270.000	-.1756
315.000	-.2142

ALPHAT(5) = 8.110 BETAT (2) = -4.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1443	.2010	.2970	.3730	.4980	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1270	.5229	-.0123	-.9748	-.0224	-.1034	.0087	.0176	.0248	.0566	.1821	-.1600	-.0189	.2059	.1556
45.000		.3952	-.0470	-.9926	-.0437	-.0360							.0591	.3452	.2649
90.000		.2054	-.1485	-1.0720	-.1905	-.1316	-.1231	-.1197	-.0768	.0117	.1532	-.1655	-.0069	.2189	.1206
135.000		.1052	-.2071	-.8638	-.3243	-.1613							-.0711	.0525	-.0333
180.000	1.1270	.1031	-.2218	-.6432	-.4366	-.2581	-.0489	-.0464	.0172	.0899	.1169	-.2734	-.1442	-.0417	-.0915
225.000		.0915	-.3818	-.7821	-.3511	-.4639	.0114						-.2491	-.2187	-.1748

ARC11-716 IA14 OL+T12+S12N25 SRM BOOSTER (RB1944)

ALPHAT(5) = 8.110 BETAT (2) = -4.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.2471	.5636		-.3953	-.5618	-.0750	-.0428			.2889	-.3163	-.2872	-.2428	-.1950
315.000		.4855	.0779	-.8408	-.1547	-.0510	.0330						-.2605	-.1379	-.1606

X/LS	.9580
PHI	
.000	.0649
45.000	.1379
90.000	.0217
135.000	-.1098
180.000	-.1459
225.000	-.1555
270.000	-.1629
315.000	-.1746

ALPHAT(5) = 8.190 BETAT (5) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1210	.5223	-.0146	-.9803	-.1659	-.0487	-.0454	-.0453	-.0263	.0032	.0988	-.2141	-.0301	.2519	.2249
45.000		.3254	-.1325	-1.0300	-.2722	-.1212							.0214	.2858	.2036
90.000		.1519	-.1905	-1.0980	-.3981	-.1430	-.1600	-.1691	-.1129	-.0082	.1261	-.1907	-.0375	.1362	.0340
135.000		.1034	-.2004	-1.1190	-.3895	-.1155							-.0530	.0415	-.0180
180.000	1.1210	.1094	-.2079	-1.0050	-.4605	-.2559	-.0668	-.0694	.0022	.0916	.1276	-.2715	-.1089	.0644	.0125
225.000		.0786	-.3690	-.9265	-.5163	-.5539	-.0437						-.2361	-.1420	-.1043
270.000		.2731	.5600		-.5205	-.3069	-.0779	-.0591			.2167	-.3392	-.2795	-.2079	-.1378
315.000		.5333	.1057	-.7558	-.2230	-.0367	.0076						-.2655	-.1382	-.1153

X/LS	.9580
PHI	
.000	.1554
45.000	.0667
90.000	-.0568
135.000	-.1138
180.000	-.0507
225.000	-.1179
270.000	-.1155
315.000	-.1044

A[illegible]-716 TA14 OL+712-S12N25 SRM BOOSTER (RB1544)

ALPHAT(5) = 8.190 BETAT (4) = 4.180

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.1000	.5104	-.0428	-.9564	-.2641	-.0887	-.0911	-.0892	-.0768	-.0453	.0467	-.2273	-.0150	.2834	.2878
45.000		.0498	-.2039	-1.0900	-.4225	-.1668							-.0095	.2214	.1337
90.000		.0994	-.2376	-1.1300	-.4699	-.1417	-.1610	-.1705	-.0919	-.0189	.0950	-.1868	-.0396	.0712	-.0202
135.000		.0479	-.2175	-1.1330	-.4323	-.0995							-.0604	.0593	-.0041
180.000	1.1000	.1138	-.2133	-1.1021	-.4669	-.2136	-.0782	-.0770	-.0023	.0544	.0768	-.2782	-.1168	.0455	.0328
225.000		.0788	-.3535	-.8913	-.6154	-.3069	-.0579						-.2388	-.1383	-.0961
270.000		.2956	.5511		-.5995	-.2111	-.0622	-.0583			.2139	-.3363	-.2912	-.1879	-.1182
315.000		.5667	.1153	-.6667	-.2496	-.0027	.0116						-.2280	-.1186	-.0591

X/LS	.9580
PHI	
.000	.1830
45.000	.0092
90.000	-.1099
135.000	-.0994
180.000	-.0295
225.000	-.0969
270.000	-.0919
315.000	-.0217

ALPHAT(5) = 8.210 BETAT (5) = 8.380

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0480	.4961	-.0524	-.9346	-.3678	-.1333	-.1239	-.1199	-.1060	-.0792	.0119	.2177	.0483	.3514	.3450
45.000		.1766	-.2668	-1.1150	-.5202	-.2655							-.0152	.1724	.0558
90.000		.0624	-.2628	-1.0955	-.4886	-.1174	-.1359	-.1475	-.0978	-.0546	.0556	-.1670	-.0300	.0404	-.0255
135.000		.0965	-.2221	-1.0810	-.4409	-.0481							-.0465	.0950	.0322
180.000	1.0980	.0974	-.2056	-1.1775	-.4737	-.2[illegible]	-.0974	-.0923	-.0263	.0234	.0455	-.[illegible]19	-.1166	.0592	.0310
225.000		.0965	-.3234	-.9207	-.6464	-.[illegible]	-.[illegible]						-.2743	-.1252	-.0780
270.000		.3221	.5422		-.6171	-.2[illegible]	-.[illegible]746				.2[illegible]	-.3[illegible]	-.3040	-.1924	-.1477
315.000		.6076	.1564	-.4917	-.2[illegible]	-.[illegible]	-.[illegible]						-.2358	-.0024	.1448

X/LS	.9580
PHI	
.000	.2161
45.000	-.0671
90.000	-.1167
135.000	-.0548
180.000	-.0559

ARC11-T18 TA14 C1+T12+S12N25 SRM BOOSTER (RB1844)

ALPHAT(5) = 0.210 BETAT (5) = 5.360

SECTION (11SRM BOOSTER DEPENDENT VARIABLE CP

X/LB .95 M

R+I	
225.000	-.1026
270.000	-.1541
315.000	.1929

ARC11-716 1A14 C*+T12+S12N25 SRM BOOSTER (RB1545) (21 FEB 74)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 39.7090 INCHES YMRP = .0000 INCHES
BREF = 39.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .950 ELEVON = .000
RUDDER = .000 SPDBRK = .000

ALPHAT(1) = -8.560 BETAT (1) = -8.200

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1520	.0973	-.2356	-1.0150	-.5620	-.5249	-.3229	-.1875	-.1209	-.1157	.0492	-.3573	-.3091	-.1832	-.3058
45.000		.0879	-.2236	-1.0120	-.6575	-.3551							-.1713	-.0570	-.1857
90.000		.2692	-.0731	-.9214	-.2817	-.3164	-.4355	-.2370	-.2395	-.2554	-.0406	-.3875	-.0103	.2679	.1961
135.000		.5059	.1070	-.8025	-.0049	-.0681							.0937	.4196	.3533
180.000	1.1520	.5066	.1479	-.7628	.1078	.0815	-.0327	-.1542	.0780	.0804	.2097	-.4574	-.0606	.1494	.0722
225.000		.5223	.2067	-.7095	.0040	.0867	-.0039						-.3606	-.2483	-.2788
270.000		.2370	.5733		-.6093	-.6955	-.2234	.0149			.2341	-.4329	-.3615	-.3473	-.3248
315.000		.0740	-.4241	-.7725	-.6930	-.6788	-.1083						-.4093	-.3883	-.3266

X/LS	.9580
PHI	
.000	-.3442
45.000	-.2660
90.000	.0821
135.000	.2196
180.000	-.0164
225.000	-.2757
270.000	-.2678
315.000	-.2909

ALPHAT(1) = -8.420 BETAT (2) = -4.090

SECTION (2)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1450	.1012	-.2224	-1.0040	-.6104	-.5205	-.3234	-.1401	-.1733	-.0992	.0348	-.3165	-.2439	-.1190	-.1994
45.000		.0869	-.2073	-1.0050	-.7809	-.3498							-.1154	-.0185	-.1322
90.000		.2059	-.1199	-.9510	-.4087	-.3994	-.4950	-.4999	-.2198	-.2605	-.0220	-.4149	-.0370	.2109	.1445
135.000		.4436	.0507	-.8531	-.1167	-.1035							.0177	.2921	.2623
180.000	1.1450	.6112	.1477	-.7507	.0423	-.0059	-.1218	-.3047	.0538	.0395	.1336	-.4699	-.1286	.1050	.0479
225.000		.5610	.2291	-.6627	-.0172	.0202	-.0688						-.3514	-.3187	-.2921
270.000		.2457	.5583		-.7119	-.7209	-.2559	-.0362			.2739	-.4053	-.3733	-.3150	-.3032
315.000		.0638	-.4297	-.8006	-.7106	-.6865	-.1399						-.4025	-.3697	-.3139

X/LS	.9580

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1S45)

ALPHAT(1) = -8.420 BETAT (2) = -4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
.000	-.2161
45.000	-.2004
90.000	.0471
135.000	.1491
180.000	-.0496
225.000	-.2549
270.000	-.2559
315.000	-.2895

ALPHAT(1) = -9.410 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0090	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1310	.1009	-.2153	-1.0090	-.6149	-.5135	-.2488	-.0782	-.0273	-.0940	-.0444	-.4096	-.2010	-.0281	-.1302
45.000		.0961	-.1991	-1.2110	-.8194	-.5283							-.1294	-.0474	-.0977
90.000		.1470	-.1676	-.9904	-.5115	-.4476	-.5430	-.3391	-.2017	-.2498	.0037	-.4330	-.1314	.0936	.0784
135.000		.3772	-.0272	-.9068	-.2578	-.3324							-.1790	.0456	.1447
180.000	1.1310	.5141	.1416	-.7509	-.0509	-.1135	-.2262	-.3917	.0196	-.0032	-.0065	-.4579	-.3204	-.1874	-.0809
225.000		.6077	.2546	-.4949	-.0430	-.0334	-.1290						-.3870	-.3354	-.2568
270.000		.2573	.5394		-.7332	-.7598	-.2628	-.0546			.1704	-.4196	-.3832	-.3204	-.2852
315.000		.0531	-.4352	-.8193	-.7331	-.6668	-.1772						-.3912	-.2790	-.2483

X/LS .9580

PHI	
.000	-.2027
45.000	-.1605
90.000	.0078
135.000	.0865
180.000	-.0761
225.000	-.2135
270.000	-.2452
315.000	-.1972

ARC11-716 IA14 C1+T12+S12N25 SRM BOOSTER (RB1545)

ALPHAT(1) = -8.530 BETAT (4) = 4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1150	.1010	-.2136	-1.0110	-.6149	-.5129	-.1689	-.0365	-.0067	-.0329	.0620	-.3680	-.1532	.1252	.1121
45.000		.0907	-.1973	-1.0090	-.8374	-.3050							-.1066	-.0082	-.0494
90.000		.0947	-.2096	-1.0160	-.5817	-.4328	-.5350	-.1844	-.1396	-.1591	.0433	-.3813	-.1269	.0106	.0085
135.000		.2997	-.1073	-.9495	-.4033	-.4874							-.1920	-.0224	.0314
180.000	1.1130	.6103	.1229	-.7575	-.1395	-.2189	-.3342	-.4033	-.0524	-.0332	-.1059	-.4609	-.3347	-.2275	-.1186
225.000		.6527	.2803	-.1197	-.0624	-.0760	-.1660						-.3758	-.3159	-.2571
270.000		.2730	.5177		-.7319	-.7994	-.2000	-.0454			.0580	-.4399	-.4024	-.3386	-.2817
315.000		.0542	-.4364	-.9146	-.7339	-.6556	-.2091						-.3824	-.2059	-.2031

X/LS	.9580
PHI	
.000	.0629
45.000	-.1213
90.000	-.0567
135.000	-.0038
180.000	-.1168
225.000	-.2399
270.000	-.2557
315.000	-.1649

ALPHAT(1) = -8.560 BETAT (5) = 8.260

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0800	.0868	-.2182	-1.0100	-.6046	-.4939	-.1409	-.0095	-.0010	-.0224	.0735	-.3473	-.0548	.1875	.2126
45.000		.0792	-.2036	-1.0060	-.7142	-.2990							-.0766	.1073	.0477
90.000		.0413	-.2530	-1.0360	-.5315	-.4402	-.3985	-.2224	-.1239	-.0940	.0041	-.3508	-.1188	-.0338	-.0402
135.000		.2277	-.1877	-.9825	-.5232	-.6416							-.2026	-.0977	-.0860
180.000	1.0800	.6118	.1073	-.7600	-.1915	-.3066	-.4265	-.3987	-.0944	-.0845	-.1474	-.4394	-.3409	-.2425	-.2003
225.000		.6909	.3136	-.0041	-.0163	-.1042	-.1936						-.3868	-.3261	-.2744
270.000		.2710	.4959		-.6704	-.7900	-.2062	-.0554			-.0975	-.4555	-.4164	-.3546	-.2972
315.000		.0411	-.4380	-.7354	-.6729	-.5037	-.2136						-.3484	-.1443	-.1756

X/LS	.9580
PHI	
.000	.1601
45.000	-.0340
90.000	-.0890
135.000	-.1210
180.000	-.1895

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1545)

ALPHAT(1) = -8.360 BETAT (5) = 8.260

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2576
270.000	-.2587
315.000	-.1507

ALPHAT(2) = -4.490 BETAT (1) = -8.240

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2230	.2136	-.1543	-.9912	-.4812	-.3921	-.2238	-.0784	-.0366	-.0082	.1435	-.2830	-.2298	-.1191	-.2467
45.000		.2495	-.1090	-.9615	-.6983	-.2038							-.0979	.0599	-.0212
90.000		.3780	.0050	-.9248	-.5144	-.0803	-.1833	-.1503	-.0594	-.0502	.0890	-.3148	.0612	.3303	.2622
135.000		.4717	.0867	-.8852	-.0708	.0199							.1019	.3725	.3273
180.000	1.2220	.4963	.0999	-.8797	.0395	.0763	-.0175	-.1101	.0731	.1155	.2439	-.3971	-.0598	.1301	.0488
225.000		.4647	.1021	-.7914	-.0758	.0679	-.0005						-.3412	-.2315	-.2579
270.000		.3736	.6935		-.6373	-.7415	-.1653	.0061			.3294	-.3883	-.3441	-.3147	-.2938
315.000		.2410	-.2295	-.9495	-.6212	-.6049	-.0476						-.3681	-.3374	-.2985

X/LS .9580

PHI	
.000	-.3112
45.000	-.1083
90.000	.1363
135.000	.1920
180.000	-.0328
225.000	-.2641
270.000	-.2568
315.000	-.2678

ALPHAT(2) = -4.380 BETAT (2) = -4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2210	.2220	-.1395	-.9756	-.5140	-.3927	-.1728	-.0708	-.0164	-.0018	.1263	-.2676	-.1637	-.0444	-.1497
45.000		.2368	-.1060	-.9659	-.7287	-.1779							-.0668	.0531	.0045
90.000		.3229	-.0345	-.9270	-.6129	-.1124	-.2448	-.2151	-.0539	-.0563	.0926	-.3513	.0268	.2443	.2065
135.000		.4280	.0362	-.8930	-.2887	-.0587							.0409	.2982	.2552
180.000	1.2210	.4946	.0723	-.8719	-.0414	.0045	-.0955	-.2424	.0531	.0759	.1901	-.4052	-.1137	.1033	.0328
225.000		.5013	.1231	-.7640	-.1052	.0007	-.0649						-.3317	-.2885	-.2608

ARC11-715 IA14 C1+T12+S12N25 SRM BOOSTER (RB1S45)

ALPHAT(2) = -4.380 BETAT (2) = -4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3961	.6850		-.6355	-.7332	-.2078	-.0246			.2957	-.3572	-.3547	-.3079	-.2761
315.000		.2493	-.2239	-.9424	-.6287	-.6307	-.1006						-.3659	-.2757	-.2677

X/LS	.9580
PHI	
.000	-.2105
45.000	-.0742
90.000	.0957
135.000	.1471
180.000	-.0442
225.000	-.2227
270.000	-.2355
315.000	-.2496

ALPHAT(2) = -4.290 BETAT (3) = -.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2130	.2200	-.1353	-.9826	-.5170	-.3846	-.1252	-.0455	.0004	.0020	.0984	-.3098	-.1443	-.0380	-.0995
45.000		.2215	-.1141	-.9747	-.7614	-.1704							-.0606	.0209	.0043
90.000		.2703	-.0749	-.9571	-.6902	-.1460	-.2384	-.2190	-.0392	-.0552	.0926	-.3340	-.0298	.1227	.1237
135.000		.3944	-.0064	-.9218	-.3974	-.1509							-.0591	.1886	.1872
180.000	1.2130	.4983	.0799	-.8639	-.1021	-.0987	-.1725	-.2973	.0326	.0337	.1001	-.4266	-.1987	-.0322	-.0004
225.000		.5390	.1474	-.7303	-.1036	-.0672	-.1183						-.3403	-.2989	-.2486
270.000		.4179	.6703		-.6200	-.6920	-.2234	-.0435			.2096	-.3703	-.3614	-.3091	-.2693
315.000		.2575	-.2212	-.9280	-.6225	-.5266	-.1409						-.3474	-.2160	-.2504

X/LS	.9580
PHI	
.000	-.1537
45.000	-.0673
90.000	.0384
135.000	.1013
180.000	-.0547
225.000	-.2061
270.000	-.2388
315.000	-.2398

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1545)

ALPHAT(2) = -4.350 BETAT (4) = 4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1940	.2147	-.1548	-.9784	-.5244	-.4057	-.0794	-.0174	.0095	.0079	.1027	-.3132	-.1153	.0905	.0883
45.000		.2022	-.1277	-.9771	-.7822	-.1882							-.0553	.1379	.0564
90.000		.2254	-.1121	-.9756	-.7241	-.1668	-.2008	-.1463	-.0258	-.0245	.1114	-.3245	-.0619	.0301	.0236
135.000		.3272	-.0601	-.9472	-.4092	-.3030							-.1172	.0638	.0957
180.000	1.1940	.4940	.0715	-.8338	-.1892	-.2132	-.2400	-.3062	-.0165	.0031	.0154	-.4211	-.2564	-.1198	-.0492
225.000		.5704	.1774	-.6640	-.1558	-.1277	-.1443						-.3554	-.2860	-.2349
270.000		.4318	.6579		-.6222	-.6966	-.2285	-.0467			.1072	-.4071	-.3732	-.2991	-.2491
315.000		.2625	-.2051	-.9031	-.6165	-.6263	-.1439						-.3571	-.1906	-.1937

X/LS	.9580
PHI	
.000	.0310
45.000	-.0334
90.000	-.0476
135.000	.0278
180.000	-.0712
225.000	-.2087
270.000	-.2275
315.000	-.1813

ALPHAT(2) = -4.370 BETAT (5) = 8.260

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1690	.1760	-.1407	-.9742	-.5583	-.3869	-.0396	-.0183	.0035	.0073	.1151	-.3140	-.0582	.1672	.2052
45.000		.1695	-.1514	-.9720	-.7961	-.1986							.0105	.2150	.2091
90.000		.1720	-.1500	-.9916	-.7090	-.2142	-.1712	-.1535	-.1124	-.0230	.0752	-.2986	-.0458	.0666	.0206
135.000		.2707	-.1171	-.9704	-.4711	-.4770							-.1182	.0022	.0029
180.000	1.1690	.4868	.0635	-.8041	-.2541	-.3095	-.2431	-.2382	-.0540	-.0174	-.0675	-.3939	-.2795	-.1817	-.1529
225.000		.5749	.2144	-.4917	-.1732	-.1632	-.1590						-.3616	-.3087	-.2447
270.000		.3901	.6481		-.6515	-.7319	-.1499	-.0607			.0351	-.4245	-.3891	-.3227	-.2551
315.000		.2271	-.1889	-.9140	-.6537	-.5863	-.0837						-.3256	-.1534	-.1713

X/LS	.9580
PHI	
.000	.1314
45.000	.1016
90.000	-.0560
135.000	-.0494
180.000	-.1574

ARC11-716 TA14 OL+T12+S12N25 SRM BOOSTER (RB1545)

ALPHAT(2) = -4.370 BETAT (5) = 0.260

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2151
270.000	-.2151
315.000	-.1373

ALPHAT(3) = -.610 BETAT (1) = -8.280

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2450	.3174	-.0831	-.9535	-.4145	-.2166	-.1147	-.0531	.0018	.0449	.2013	-.2527	-.1747	-.0732	-.1704
45.000		.3598	-.0322	-.9168	-.6082	-.0591							-.0158	.1652	.1203
90.000		.4197	.0406	-.8772	-.5201	.0350	-.0309	-.0415	.0317	.0730	.1910	-.2350	.1140	.3734	.2991
135.000		.4125	.0349	-.8926	-.4878	.0559							.1008	.3597	.2944
180.000	1.2450	.3815	-.0005	-.9257	-.1725	.0235	.0259	-.0506	.0749	.1603	.2748	-.3559	-.0623	.1011	.0361
225.000		.3915	.0031	-.8713	-.4459	-.1596	.0515						-.3270	-.1944	-.2425
270.000		.4210	.7462		-.5826	-.6077	-.1591	-.0173			.3294	-.3792	-.3434	-.3096	-.2723
315.000		.3468	-.0934	-.9080	-.5221	-.4722	-.0300						-.3338	-.2779	-.2765

X/LS .9580

PHI	
.000	-.2350
45.000	.0156
90.000	.1692
135.000	.1605
180.000	-.0482
225.000	-.2558
270.000	-.2547
315.000	-.2560

ALPHAT(3) = -.580 BETAT (2) = -4.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2470	.3247	-.0695	-.9446	-.4607	-.2463	-.0807	-.0412	.0081	.0419	.1769	-.2653	-.1736	-.0532	-.1195
45.000		.3548	-.0428	-.9278	-.6559	-.0665							-.0182	.1392	.1091
90.000		.3706	.0029	-.9080	-.6021	.0092	-.0583	-.0912	.0262	.0593	.1859	-.2571	.0637	.2490	.2278
135.000		.3949	.0169	-.9091	-.5956	.0129							.0525	.2360	.2108
180.000	1.2470	.3907	.0112	-.9188	-.2566	-.0295	-.0265	-.1829	.0600	.1245	.2398	-.3681	-.0677	.0921	.0189
225.000		.4210	.0222	-.8563	-.4669	-.2591	-.0015						-.3071	-.2436	-.2186

ARC11-718 IA14 O1+T12+S12N25 SRM BOOSTER (RB1345)

ALPHAT(3) = -.580 BETAT (2) = -4.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4469	.7395		-.5880	-.6030	-.1789	-.0337			.3378	-.3543	-.3311	-.2889	-.2550
315.000		.3705	-.0820	-.8959	-.5263	-.5180	-.0687						-.3343	-.2867	-.2481

X/LS	.9590
PHI	
.000	-.1581
45.000	.0233
90.000	.1186
135.000	.1049
180.000	-.0668
225.000	-.1872
270.000	-.2284
315.000	-.2318

ALPHAT(3) = -.580 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2370	.3273	-.0726	-.9452	-.5192	-.2978	-.0474	-.0497	.0022	.0241	.1254	-.2878	-.1458	.0212	-.0161
45.000		.3079	-.0687	-.9404	-.6961	-.0965							-.0355	.1173	.1047
90.000		.3224	-.0378	-.9358	-.6749	-.0174	-.0645	-.1124	.0256	.0466	.1635	-.2700	.0056	.1305	.1273
135.000		.3539	-.0137	-.9283	-.6426	-.0233							-.0272	.1234	.1134
180.000	1.2370	.3954	.0107	-.9142	-.3597	-.0547	-.0793	-.2286	.0421	.0802	.1574	-.3862	-.1657	-.0134	-.0121
225.000		.4466	.0380	-.8338	-.5045	-.1343	-.0354						-.3179	-.2582	-.2135
270.000		.4712	.7295		-.6822	-.5422	-.0911	-.0767			.2629	-.3766	-.3455	-.2820	-.2317
315.000		.3984	-.0740	-.8979	-.5599	-.5660	.0050						-.3064	-.2085	-.2218

X/LS	.9580
PHI	
.000	-.0707
45.000	.0250
90.000	.0491
135.000	.0368
180.000	-.0552
225.000	-.1777
270.000	-.2109
315.000	-.2072

APC11-718 IA14 C1+T12+S12N25 SRM BOOSTER (RB1545)

ALPHAT(3) = -.580 BETAT (4) = 4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2170	.3153	-.0776	-.9443	-.5896	-.3133	-.0319	-.0480	.0065	.0274	.1457	-.2920	-.0898	.1021	.0889
45.000		.2714	-.0944	-.9537	-.7249	-.1052							-.0116	.1378	.1210
90.000		.2712	-.0778	-.9572	-.7271	-.0330	-.0563	-.1155	.0165	.0350	.1203	-.2780	-.0297	.1352	.0677
135.000		.3113	-.0496	-.9486	-.6516	-.0057							-.0873	.0320	.0158
180.000	1.2170	.3979	.0068	-.9064	-.5380	-.0883	-.1314	-.2537	.0127	.0426	.0724	-.3729	-.2383	-.1217	-.0866
225.000		.4649	.0658	-.7939	-.4164	-.0321	-.0839						-.3341	-.2755	-.2100
270.000		.4821	.7277		-.3174	-.3048	.0170	-.1457			.1864	-.3964	-.3463	-.2799	-.2373
315.000		.3984	-.0576	-.8701	-.6089	-.5413	.0190						-.3209	-.1656	-.1645

X/LS	.9580
PHI	
.000	.0406
45.000	.0271
90.000	-.0066
135.000	-.0377
180.000	-.0939
225.000	-.1682
270.000	-.2097
315.000	-.1334

ALPHAT(3) = -.590 BETAT (5) = 8.280

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0960	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1960	.2813	-.0875	-.9409	-.6060	-.2605	-.0254	-.0363	.0074	.0275	.1378	-.3018	-.0247	.2139	.2178
45.000		.2241	-.1251	-.9675	-.7440	-.0895							.0164	.1775	.1536
90.000		.2210	-.1143	-.9730	-.7634	-.0464	-.0520	-.0988	.0127	.0279	.0943	-.2743	-.0018	.1373	.1018
135.000		.2561	-.0875	-.9650	-.6129	-.1123							-.1082	.0336	.0027
180.000	1.1960	.3581	.0121	-.8871	-.3464	-.2332	-.1729	-.1957	-.0173	.0127	.0059	-.3671	-.2447	-.1359	-.1186
225.000		.4374	.0948	-.7563	-.2623	-.1164	-.1144						-.3303	-.2678	-.1997
270.000		.4278	.7394		-.1966	-.2337	-.0220	-.1963			.1402	-.3985	-.3649	-.2893	-.2166
315.000		.3693	-.0279	-.8398	-.6065	-.4412	.0096						-.3191	-.1232	-.1255

X/LS	.9580
PHI	
.000	.1337
45.000	.0569
90.000	.0099
135.000	-.0664
180.000	-.1349

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1343)

ALPHAT(3) = -.590 BETAT (5) = 8.250

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LB .9380

PHI	
225.000	-.1776
270.000	-.1975
315.000	-.0909

ALPHAT(4) = 4.070 BETAT (1) = -8.300

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2240	.4365	-.0057	-.9001	-.2423	-.1479	-.0086	.0135	.0299	.0719	.2086	-.2250	-.1291	.0499	-.0273
45.000		.4467	.0225	-.8796	-.5140	-.0098							.0443	.3181	.2480
90.000		.3829	.0256	-.9191	-.5259	.0175	.0141	.0015	.0366	.1204	.2469	-.1691	.1073	.3617	.2892
135.000		.2936	-.0419	-.9411	-.3449	-.0559							.0381	.2525	.1897
180.000	1.2241	.2537	-.0905	-.9301	-.2952	-.1317	.0413	-.0305	.0614	.1850	.2570	-.3362	-.0981	.0279	-.0442
225.000		.2736	-.1450	-.9411	-.3394	-.5102	.1370						-.3169	-.2136	-.2265
270.000		.3947	.7185		-.3222	-.4551	.0221	-.0820			.2546	-.3551	-.3402	-.3053	-.2504
315.000		.4311	.0252	-.7975	-.2949	-.4042	.0388						-.3224	-.2373	-.2714

X/LS .9590

PHI	
.000	-.1083
45.000	.1525
90.000	.1646
135.000	.0681
180.000	-.1138
225.000	-.2388
270.000	-.2557
315.000	-.2584

ALPHAT(4) = 4.150 BETAT (2) = -4.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2240	.4428	-.0016	-.9054	-.3229	-.1905	-.0277	-.0102	.0225	.0595	.1964	-.2405	-.0964	.0866	.0380
45.000		.4037	-.0093	-.8999	-.5726	-.0410							.0280	.2802	.2208
90.000		.3399	-.0170	-.9203	-.6215	.0000	-.0220	-.0529	.0172	.0919	.2174	-.2106	.0362	.2488	.2080
135.000		.2787	-.0491	-.9511	-.3474	-.0474							-.0095	.1321	.1076
180.000	1.2240	.2648	-.0771	-.9596	-.3273	-.2191	.0143	-.0736	.0556	.1503	.2208	-.3223	-.1189	-.0157	-.0435
225.000		.2963	-.1346	-.6857	-.3567	-.5471	.0952						-.2998	-.2450	-.1970

(7011-716 IA14 06+712+S12N25 SRM BOOSTER (RB1345)

ALPHAT(4) = 4.150 BETAT (2) = -4.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4980	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4090	.7073		-.3665	-.5407	-.0108	-.0641			.3391	-.3589	-.3291	-.2777	-.2324
315.000		.4628	.0393	-.7851	-.3172	-.4562	.0205						-.2960	-.1734	-.2080

X/L	.9580
PHI	
.000	-.0300
45.000	.1177
90.000	.0950
135.000	.0185
180.000	-.1071
225.000	-.1869
270.000	-.1939
315.000	-.2111

ALPHAT(4) = 4.070 BETAT (3) = -.020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2190	.4504	.0009	.8931	-.3915	-.2732	-.0264	-.0255	.0107	.0465	.1786	-.2677	-.1182	.1168	.0950
45.000		.3653	-.0384	-.9119	-.6182	-.0924							-.0274	.1945	.1760
90.000		.2988	-.0474	-.0361	-.0786	-.0125	-.0279	-.0398	.0061	.0751	.1907	-.2425	-.0235	.1350	.1044
135.000		.2719	-.0529	-.9490	-.5925	-.0469							-.0581	.0640	.0451
180.000	1.2190	.2741	-.0595	-.0526	-.3531	-.2190	-.0097	-.1322	.0487	.1269	.1799	-.3400	-.1991	-.0650	-.0500
225.000		.3079	-.1110	-.7505	-.4230	-.5543	.0545						-.3200	-.2595	-.1935
270.000		.4378	.7022		-.4727	-.6073	-.0415	-.1234			.3118	-.3767	-.3434	-.2671	-.2337
315.000		.4948	.0566	-.7609	-.3673	-.4529	.0071						-.3062	-.1804	-.2088

X/L	.9580
PHI	
.000	.0891
45.000	.0828
90.000	.0199
135.000	-.0360
180.000	-.0952
225.000	-.1674
270.000	-.1867
315.000	-.1922

ARC11-716 !A14 O1+T12+S12N25 SRM BOOSTER (RB1S45)

ALPHAT(4) = 4.070 BETAT (4) = 4.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2000	.4383	-.0082	-.8960	-.4752	-.3130	-.0306	-.0513	-.0094	.0213	.1304	-.2868	-.1079	.1878	.1788
45.000		.3073	-.0831	-.9439	-.6564	-.0748							-.0271	.1955	.1473
90.000		.2442	-.0874	-.9676	-.7302	-.0260	-.0332	-.1059	.0021	.0401	.1494	-.2615	-.0216	.0964	.0430
135.000		.2598	-.0759	-.9632	-.7315	-.0150							-.0699	.1012	.0642
180.000	1.2000	.2609	-.0506	-.9601	-.4012	-.1367	-.0576	-.1467	.0327	.0846	.1186	-.3586	-.1914	-.0894	-.0580
225.000		.3155	-.0660	-.8993	-.5765	-.4469	-.0114						-.3132	-.2392	-.1785
270.000		.4419	.7046		-.6009	-.5885	-.0553	-.1009			.2775	-.4063	-.3266	-.2467	-.1930
315.000		.5070	.0697	-.7291	-.4362	-.2931	-.0049						-.2974	-.1779	-.1529

X/LS	.9580
PHI	
.000	.1154
45.000	.0652
90.000	-.0400
135.000	-.0069
180.000	-.0961
225.000	-.1452
270.000	-.1667
315.000	-.1216

ALPHAT(5) = 8.220 BETAT (1) = -8.310

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.1610	.5499	.0996	-.8534	-.0587	-.1290	.0469	.0800	.0694	.1113	.2654	-.1832	-.0808	.2149	.1371
45.000		.4905	.0731	-.8355	-.4213	-.0344							.0995	.4187	.3335
90.000		.3015	-.0285	-.9057	-.5293	-.0733	-.0540	-.0404	-.0138	.0972	.2355	-.1374	-.0158	.3191	.2255
135.000		.1456	-.1418	-.9887	-.2748	-.1373							-.0882	.1317	.0208
180.000	1.1610	.1378	-.1660	-.5710	-.3861	-.2348	-.0075	-.0138	.0337	.1617	.1790	-.3380	-.1625	-.0266	-.1173
225.000		.1215	-.3185	-.5695	-.2844	-.3945	.0320						-.3306	-.2249	-.2135
270.000		.2637	.6217		-.2563	-.4918	-.0117	.0210			.3840	-.3665	-.3470	-.3039	-.2357
315.000		.4760	.1051	-.6883	-.1421	-.3814	.0845						-.2773	-.1272	-.2178

X/LS	.9580
PHI	
.000	.0385
45.000	.2067
90.000	.1108
135.000	-.0774
180.000	-.1830

AP311-715 IA14 3+712+512N25 SRM BOOSTER (RB1545)

ALPHAT 3) = 6.220 BETAT 3) = -8.310

SECTION 3 SRM BOOSTER DEPENDENT VARIABLE CP

X/S .0000 .0340 .0990 .1140 .1440 .2010 .2850 .3750 .4950 .6030 .7180 .8550 .8900 .9170 .9390

PHI

.000 1.1960 .5602 .0642 -.8312 -.2359 -.1351 .0283 .0289 .0403 .2467 -.2155 -.0688 .2095 .1537

45.000 .4337 .0294 -.8715 -.4661 .0031 .3339 .2676

90.000 .2436 -.2745 -.1443 -.0291 -.1944 -.0823 .1999 .1207

135.000 .1343 -.1726 -.2668 -.1826 -.1071 .0702 -.0253

180.000 1.1560 .1421 -.1589 -.2542 -.0382 -.1715 -.0410 .0912

225.000 .1211 -.1931 -.1694 -.1978 -.0068 -.3223 -.2486 -.2019

270.000 .2919 .5042 -.0023 -.0416 .3952 -.3 -.3285 -.2818 -.2365

315.000 .5178 .1491 -.7226 -.2939 -.1413 -.2919 -.1246 -.2019

X/S .9580

PHI

.000 .0748

45.000 .1550

90.000 .0299

135.000 -.1122

180.000 -.1501

225.000 -.1826

270.000 -.1943

315.000 -.2083

ALPHAT 3) = 8.310 BETAT 3) = .010

SECTION 3 SRM BOOSTER DEPENDENT VARIABLE CP

X/S .0000 .0340 .0990 .1140 .1440 .2010 .2850 .3750 .4990 .6030 .7180 .8550 .8900 .9170 .9390

PHI

.000 1.1420 .5668 .0604 -.8545 -.2471 -.1378 .0281 .0418 .0403 .1418 -.2683 -.1054 .2058 .2022

45.000 .3796 -.0810 -.9034 -.4510 -.0453 .2830 .2079

90.000 .1548 -.1157 -.3684 -.1717 -.1349 -.1710 -.0939 .0727 .1767 -.2462 -.0926 .1173 .0299

135.000 .1355 -.1841 -.0902 -.0736 -.0851 .0439 -.0215

180.000 1.1420 .1441 -.138 -.0951 -.0774 -.0528 -.0438 -.0209 .1712 .1730 -.3453 -.1989 .0494 .0155

225.000 .1331 .3103 -.62 -.4137 -.2721 -.2763 .2192 -.1567

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ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1845)

ALPHAT(1) = 0.310 BETAT (1) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3750	.4880	.6030	.7180	.8350	.8900	.9170	.9390
PHI															
270.000		.2960	.5825		-.4623	-.3679	-.0724	-.0575			.2522	-.3745	-.3345	-.2588	-.1976
319.000		.5615	.1665	-.6804	-.2991	-.0545	.0061						-.2894	-.1889	-.1625

X/LS .9580

PHI	
.000	.1269
45.000	.1[illegible]
90.000	-.0[illegible]
135.000	-.1[illegible]
180.000	-.0[illegible]
225.000	-.1[illegible]
270.000	-.1[illegible]
319.000	-.1[illegible]

ALPHAT(2) = 4.270 BETAT (2) = -.210

SECTION (2 SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3750	.4880	.6030	.7180	.8350	.8900	.9170	.9390
PHI															
.000	1.1190	.5554	.0465	-.0251	-.3565	-.0987	-.0677	-.0849	-.0804	-.0134	.0912	-.3032	-.0711	.2244	.2667
45.000		.3044	-.1111	-.0387	-.5195	-.1941							-.0559	.1957	.1392
90.000		.1567	-.1557	-.0746	-.7430	-.0929	-.1221	-.1814	-.0702	.0168	.1332	-.2615	-.0716	.0480	-.0237
135.000		.1542	-.1540	-.0920	-.4167	-.0122							-.0883	.0675	-.0138
180.000	1.1190	.1414	-.1545	-.0903	-.4922	-.2062	-.0473	-.1086	.0244	.0461	.1138	-.3435	-.1627	.0195	.0148
225.000		.1274	-.2951	-.7658	-.5970	-.5362	-.0385						-.2786	-.1896	-.1454
270.000		.3104	.5729		-.4626	-.2033	-.0591	-.0633			.2434	-.3863	-.3250	-.2327	-.1651
319.000		.5946	.1733	-.6559	-.3059	-.0331	.0134						-.2905	-.1986	-.1131

X/LS .9580

PHI	
.000	.1881
45.000	.0560
90.000	-.1025
135.000	-.1018
180.000	-.0628
225.000	-.1326
270.000	-.1818
319.000	-.2431

ARC11-716 IA14 01+712+S12N25 SRM BOOSTER (RB1S45)

ALPHAT(5) = 8.240 BETAT (5) = 8.420

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1050	.5581	.0309	-.8003	-.3384	-.3092	-.0893	-.1192	-.0997	-.0457	.0708	-.3192	-.0113	.3183	.3394
45.000		.2276	-.1829	-.3691	-.5535	-.1444							-.0236	.1711	.0815
90.000		.0922	-.1904	-1.0160	-.5389	-.1025	-.0983	-.1627	-.0837	-.0208	.1056	-.2427	-.0442	.0504	-.0118
135.000		.1137	-.1420	-.9937	-.4311	-.0419							-.0632	.1093	.0631
180.000	1.1050	.1158	-.1220	-.9753	-.4971	-.2451	-.0435	-.1252	-.0010	.0513	.0860	-.3366	-.1458	.0050	.0212
225.000		.1092	-.2469	-.7019	-.6030	-.4723	-.0302						-.3101	-.2188	-.1345
270.000		.2817	.5719		-.5987	-.2812	.0010	-.0704			.2595	-.3763	-.3667	-.2553	-.1721
315.000		.5875	.2270	-.3537	-.2845	-.0009	.0575						-.2939	-.0974	.0966

X/LS	.9580
PHI	
.000	.2399
45.000	-.0382
90.000	-.1102
135.000	-.0395
180.000	-.0393
225.000	-.1177
270.000	-.1399
315.000	.1732

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1S46) (14 FEB 74)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .975 ELEVON = .000
RUDDER = .000 SPDBRK = .000

ALPHAT(1) = -8.570 BETAT (1) = -8.210

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1710	.1215	-.1935	-.9544	-.5828	-.5214	-.3722	-.2676	-.1239	-.0820	.0767	-.3560	-.2929	-.1588	-.3065
45.000		.1153	-.1819	-.9512	-.6934	-.3596							-.1629	-.0248	-.1575
90.000		.2691	-.0352	-.8643	-.2793	-.3134	-.4108	-.5771	-.1937	-.2272	-.0036	-.4232	.0247	.3034	.2226
135.000		.5288	.1409	-.7559	.0279	-.0507							.1337	.4570	.3723
180.000	1.1710	.6230	.1816	-.7090	.1422	.1012	-.0105	-.1988	.0994	.1066	.2301	-.4598	-.0514	.1716	.1070
225.000		.5426	.2379	-.6340	.0559	.1119	.0152						-.3622	-.2446	-.2982
270.000		.2653	.0302		-.7207	-.6499	-.2402	-.0737			.2888	-.4629	-.3894	-.3600	-.3405
315.000		.1015	-.3809	-.7895	-.7259	-.7127	-.1363						-.4159	-.3904	-.3350

X/LS	.9590
PHI	
.000	-.3586
45.000	-.2429
90.000	.1051
135.000	.2393
180.000	.0120
225.000	-.2940
270.000	-.2322
315.000	-.3042

ALPHAT(1) = -8.630 BETAT (2) = -4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1640	.1255	-.1805	-.9404	-.6062	-.4958	-.3489	-.2405	-.2236	-.0932	.0700	-.3210	-.2095	-.0582	-.1766
45.000		.1141	-.1651	-.9429	-.7434	-.3449							-.1119	.0135	-.1056
90.000		.2320	-.0829	-.8917	-.4050	-.3916	-.4674	-.6351	-.1472	-.2230	.0141	-.4601	.0017	.2417	.1762
135.000		.4675	.0914	-.7954	-.0261	-.1686							.0446	.3379	.2968
180.000	1.1640	.6339	.1091	-.6947	.0722	.0167	-.1093	-.2857	.0723	.0760	.1412	-.4649	-.1303	.0678	.0413
225.000		.5836	.2653	-.5092	.0370	.0553	-.0498						-.3816	-.3344	-.3122
270.000		.2733	.0808		-.7485	-.6811	-.2447	-.1277			.2679	-.4140	-.3803	-.3368	-.3108
315.000		.0810	-.3884	-.7000	-.7570	-.6989	-.1584						-.3893	-.3429	-.3163

X/LS	.9590

ARC11-716 IA14 CL+T12+S12N25 SRM BOOSTER (RB1S46)

ALPHAT(1) = -8.630 BETAT (2) = -4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
.000	-.2500
45.000	-.1848
90.000	.0693
135.000	.1805
180.000	-.0418
225.000	-.2871
270.000	-.2594
315.000	-.2833

ALPHAT(1) = -8.550 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1460	.1276	-.1706	-.9382	-.6224	-.4552	-.2879	-.1868	.0310	-.0183	.0289	-.4096	-.2064	-.0406	-.1348
45.000		.1146	-.1529	-.9416	-.7657	-.5017							-.1460	-.0414	-.1018
90.000		.1713	-.1223	-.9230	-.4877	-.4006	-.5219	-.4635	-.1188	-.2027	.0390	-.4436	-.1150	.1088	.0986
135.000		.4042	.0167	-.8402	-.2233	-.2988							-.1846	.0543	.1717
180.000	1.1460	.6411	.1812	-.6987	-.0159	-.0773	-.2928	-.3963	.0351	.0759	.0084	-.4388	-.3523	-.2197	-.0967
225.000		.6264	.2885	-.4662	.0102	.0079	-.0948						-.4084	-.3442	-.2825
270.000		.2751	.5537		-.7832	-.7053	-.2033	-.1288			.1929	-.4419	-.3944	-.3319	-.3022
315.000		.0827	-.3917	-.9062	-.7880	-.6895	-.1823						-.3941	-.2365	-.2591

X/LS .9580

PHI	
.000	-.2054
45.000	-.1709
90.000	.0218
135.000	.1212
180.000	-.0807
225.000	-.2193
270.000	-.2738
315.000	-.2203

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1346)

ALPHAT(1) = -8.600 BETAT (4) = 4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1180	.1281	-.1633	-.9313	-.6053	-.4591	-.2257	-.1.26	.0330	.0098	.1173	-.3641	-.2006	.1311	.1043
45.000		.1145	-.1488	-.9315	-.7699	-.3005							-.1385	.0306	-.0457
90.000		.1236	-.1605	-.9400	-.5342	-.5038	-.5427	-.4511	-.0706	-.1006	.0758	-.3897	-.1385	.0055	-.0006
135.000		.3140	-.0583	-.8720	-.3594	-.4466							-.2006	-.0349	.0310
180.000	1.1180	.6426	.1681	-.6927	-.0954	-.1746	-.2902	-.4506	-.0517	.0083	-.0800	-.4507	-.3492	-.2390	-.1466
225.000		.5679	.3217	-.0308	.0185	-.0298	-.1278						-.4032	-.3516	-.2962
270.000		.2849	.5364		-.7742	-.7198	-.2836	-.1086			.0524	-.4533	-.4103	-.3595	-.3126
315.000		.0776	-.3320	-.7882	-.7822	-.6923	-.2241						-.3798	-.1653	-.2238

X/LS	.9580
PHI	
.000	.0564
45.000	-.1295
90.000	-.0625
135.000	-.0158
180.000	-.1356
225.000	-.2370
270.000	-.2716
315.000	-.2060

ALPHAT(1) = -8.630 BETAT (5) = 8.270

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.0870	.1131	-.1767	-.9483	-.6024	-.4953	-.1562	-.0255	.0242	.0094	.1070	-.3729	-.1090	.1837	.1915
45.000		.0984	-.1645	-.9466	-.7877	-.2867							-.0951	.1178	.0543
90.000		.0638	-.2159	-.9770	-.5889	-.4664	-.4748	-.3311	-.1260	-.0687	.0159	-.3629	-.1326	-.0142	-.0428
135.000		.2570	-.1489	-.9214	-.4843	-.6032							-.2069	-.0954	-.0880
180.000	1.0870	.6383	.1434	-.6768	-.1547	-.2692	-.3914	-.5178	-.0892	-.0421	-.1291	-.4481	-.3516	-.2645	-.2172
225.000		.7023	.3478	.0480	.0313	-.0641	-.1705						-.3990	-.3465	-.3026
270.000		.2759	.5123		-.7392	-.7485	-.2976	-.0777			-.1258	-.4554	-.4220	-.3796	-.3139
315.000		.0660	-.4049	-.7655	-.7502	-.6493	-.2377						-.3460	-.1328	-.1769

X/LS	.9580
PHI	
.000	.1298
45.000	-.0279
90.000	-.1080
135.000	-.1299
180.000	-.2000

AR211-716 IA14 C1+312+S12N25 SRM BOOSTER (RB1546)

ALPHAT (1) = -8.630 BETAT (5) = 6.270

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2533
270.000	-.2730
315.000	-.1602

ALPHAT(2) = -4.390 BETAT (1) = -8.230

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2380	.2394	-.1118	-.9304	-.5273	-.3723	-.2296	-.0994	-.0246	.0134	.1687	-.2934	-.2240	-.1132	-.2539
45.000		.2746	-.0650	-.9010	-.6451	-.1890							-.0950	.0878	.0050
90.000		.3994	.0455	-.8374	-.4977	-.0701	-.2162	-.2443	-.0415	-.0275	.1169	-.3238	.0797	.3585	.2863
135.000		.4893	.1227	-.8103	-.2002	.0693							.1320	.4076	.3530
180.000	1.2380	.5041	.1034	-.9262	.0167	.1001	.0005	-.1587	.0828	.1431	.2720	-.4202	-.0488	.1426	.0811
225.000		.4845	.1362	-.7376	-.1541	.0036	.0142						-.3503	-.2474	-.2795
270.000		.3367	.7205		-.6588	-.7022	-.1802	-.0398			.3502	-.4319	-.3729	-.3406	-.3216
315.000		.2687	-.1853	-.9274	-.6563	-.6147	-.0618						-.3750	-.3303	-.3034

X/LS .9580

PHI	
.000	-.3187
45.000	-.0891
90.000	.1624
135.000	.2180
180.000	-.0069
225.000	-.2945
270.000	-.2866
315.000	-.2851

ALPHAT(2) = -4.360 BETAT (2) = -4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2380	.2479	-.1056	-.9041	-.5427	-.3673	-.2114	-.1060	-.0071	.0167	.1561	-.2909	-.1436	-.0265	-.1319
45.000		.2914	-.0711	-.8980	-.6782	-.1793							-.0639	.0872	.0359
90.000		.3493	.0021	-.8617	-.5776	-.1108	-.2605	-.2850	-.0245	-.0291	.1235	-.3500	.0418	.2847	.2421
135.000		.4534	.0739	-.8282	-.4478	-.0433							.0642	.3228	.2948
180.000	1.2360	.5216	.1055	-.8584	-.0922	.0299	-.0713	-.2397	.0665	.1022	.2095	-.4210	-.1085	.0930	.0538
225.000		.5171	.1539	-.7059	-.3209	.0373	-.0432						-.3404	-.2890	-.2641

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1946)

ALPHAT(2) = -4.360 BETAT (2) = -4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4110	.7004		-.6682	-.7127	-.2152	-.0734			.2958	-.3792	-.3657	-.3275	-.2908
315.000		.2698	-.1809	-.9204	-.6580	-.6440	-.1098						-.3434	-.2351	-.256.

X/LS	.9580
PHI	
.000	-.2146
45.000	-.0336
90.000	.1214
135.000	.1720
180.000	-.0335
225.000	-.2415
270.000	-.2444
315.000	-.2452

ALPHAT(2) = -4.270 BETAT (3) = -.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2220	.2457	-.0920	-.9181	-.5602	-.3755	-.1627	-.0876	.0168	.0329	.1375	-.3335	-.1724	-.0353	-.1058
45.000		.2452	-.0707	-.9097	-.7077	-.1804							-.0834	.0318	.0114
90.000		.2975	-.0303	-.8934	-.6276	-.1492	-.2797	-.2696	.0019	-.0145	.1267	-.3607	-.0306	.1661	.1507
135.000		.4085	.0376	-.8595	-.4583	-.1758							-.0502	.1907	.2030
180.000	1.2220	.5215	.1161	-.8070	-.2241	-.0755	-.1477	-.3115	.0431	.0704	.1192	-.4300	-.2418	-.0565	-.0347
225.000		.5564	.1819	-.6730	-.3403	-.0336	-.0937						-.3801	-.3237	-.2789
270.000		.4371	.6919		-.7028	-.7238	-.2440	-.1023			.2225	-.4149	-.3861	-.3311	-.2968
315.000		.2834	-.1780	-.9232	-.6918	-.6577	-.1574						-.3622	-.2131	-.2615

X/LS	.9580
PHI	
.000	-.1683
45.000	-.0583
90.000	.0669
135.000	.1198
180.000	-.0613
225.000	-.2335
270.000	-.2634
315.000	-.2600

APOLLO-715 [A1A 04-712-512:R3 SRM BOOSTER (RB1546)

ALPHAT (2) = -4.400 BETAT (4) = 4.120

SECTION 1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L	.0000	.0340	.0980	.1140	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.1950	.2247	-.0929	-.9149	-.5915	-.3703	-.0894	-.0461	.0270	.0369	.1512	-.3275	-.1578	.0938	.0744
45.000		.2198	-.0866	-.9144	-.7275	-.1971							-.0907	.1802	.0557
90.000		.2427	-.0784	-.9113	-.6782	-.2008	-.2510	-.2039	.0012	.0077	.1337	-.3507	-.0760	.0245	.0244
135.000		.3488	-.0190	-.8928	-.3991	-.0003							-.1404	.0458	.0744
180.000	1.1950	.5093	.1104	-.7581	-.1994	-.1745	-.2129	-.3706	-.0107	.0322	.0373	-.4104	-.2906	-.1613	-.0854
225.000		.5578	.2165	-.5944	-.1252	-.0907	-.1214						-.3684	-.3156	-.2557
270.000		.4190	.6830		-.7329	-.7435	-.2343	-.0919			.1283	-.4236	-.3821	-.3192	-.2743
315.000		.2645	-.1578	-.9291	-.7166	-.6202	-.1617						-.3489	-.1691	-.2052

X/L = .9580

PHI	
.000	.0238
45.000	-.0307
90.000	-.0553
135.000	.0247
180.000	-.0984
225.000	-.2192
270.000	-.2430
315.000	-.1959

ALPHAT(2) = -4.410 BETAT (5) = 8.240

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L	.0000	.0340	.0980	.1140	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.1850	.1667	-.0843	-.9016	-.6229	-.3083	-.0569	-.0411	.0252	.0340	.1640	-.3077	-.0951	.0920	.0851
45.000		.1736	-.1042	-.9051	-.7353	-.2129							-.0975	.0896	.0248
90.000		.1906	-.1051	-.9228	-.6618	-.2547	-.1977	-.2354	-.1330	-.0118	.1006	-.3409	-.0609	.0972	.0255
135.000		.2	-.0675	-.9004	-.4359	-.1424							-.1316	.0172	.0075
180.000	1.1857	.1646	-.1101	-.7359	-.2330	-.2611	-.2914	-.3696	-.0869	.0021	-.0445	-.4139	-.2943	-.1893	-.1743
225.000		.2090	.2603	-.3726	-.1304	-.1173	-.1734						-.3705	-.3080	-.2604
270.000		.2890	.6626		-.7940	-.7330	-.1971	-.0347			.1048	-.4405	-.3835	-.3343	-.2730
315.000		.1828	-.1203	-.9884	-.7356	-.1971	-.1336						-.3267	-.1277	-.1705

X/L = .9580

PHI	
.000	.1176
45.000	.1159
90.000	-.0522
135.000	-.0553
180.000	-.1790

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1846)

ALPHAT(2) = -4.410 BETAT (5) = 8.240

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2200
270.000	-.2396
315.000	-.1599

ALPHAT(3) = -.610 BETAT (1) = -8.280

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
000	1.2590	.5395	-.0405	-.8945	-.4903	-.2136	-.1335	-.0637	.0143	.0687	.2308	-.2649	-.1804	-.0505	-.1540
45.000		.5640	.0091	-.8497	-.5533	-.0599							-.0302	.2120	.1436
90.000		.4424	.0767	-.8115	-.4049	.0463	-.0177	-.0722	.0372	.0987	.2259	-.2211	.1070	.3992	.3254
135.000		.4347	.0720	-.8267	-.5149	.0786							.1201	.3921	.3244
180.000	1.2590	.4010	.0362	-.8605	-.2746	.0570	.0488	-.1192	.0747	.1873	.3089	-.3864	-.0526	.1302	.0699
225.000		.4091	.0383	-.8971	-.5062	-.1207	.0713						-.3392	-.2182	-.2660
270.000		.4589	.7666		-.5913	-.6025	-.1954	-.0313			.3697	-.4066	-.3586	-.3278	-.2931
315.000		.3707	-.0494	-.8411	-.5336	-.4763	-.0487						-.3441	-.2804	-.2996

X/LS .9580

PHI	
.000	-.2254
45.000	.0366
90.000	.1929
135.000	.1865
180.000	-.0206
225.000	-.2842
270.000	-.2804
315.000	-.2810

ALPHAT(3) = -.590 BETAT (2) = -4.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
000	1.2580	.5480	-.0302	-.8801	-.5033	-.2653	-.1096	-.0612	.0210	.0679	.2104	-.2752	-.1755	-.0279	-.1018
45.000		.5606	-.0018	-.8626	-.6087	-.0837							-.0412	.1733	.1401
90.000		.3932	.0424	-.8443	-.5610	-.0135	-.0555	-.1071	.0372	.0869	.2209	-.2526	.0528	.2972	.2602
135.000		.4099	.0534	-.8460	-.5610	.0169							.0581	.2878	.2509
180.000	1.2580	.4127	.0457	-.8557	-.4305	-.0113	-.0100	-.1811	.0634	.1517	.2690	-.3951	-.0806	.0893	.0327
225.000		.4394	.0534	-.7951	-.4910	-.2578	.0096						-.3207	-.2417	-.2337

APT11-716 TA14 DI+T12+S12NPS SRM BOOSTER (RB1546)

ALPHAT (3) = -.590 BETAT (2) = -4.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4655	.7565		-.5937	-.6173	-.2356	-.0631			.3522	-.3864	-.3426	-.3094	-.2704
315.000		.5497	-.0409	-.8154	-.5430	-.5059	-.1125						-.3392	-.2729	-.2668

X/L= .9580

PHI	
.000	-.1547
45.000	.0418
90.000	.1442
135.000	.1371
180.000	-.0495
225.000	-.2165
270.000	-.2396
315.000	-.2500

ALPHAT (3) = -.590 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2420	.3496	-.0292	-.8792	-.5113	-.3552	-.0611	-.0461	.0185	.0547	.1570	-.2998	-.1683	.0220	-.0214
45.000		.3325	-.0237	-.8744	-.6416	-.1348							-.0578	.1367	.1172
90.000		.3466	.0028	-.8706	-.6239	-.0521	-.0717	-.1162	.0421	.0770	.1942	-.2846	-.0087	.1545	.1576
135.000		.3769	.0252	-.8639	-.5922	-.0426							-.0237	.1502	.1476
180.000	1.2420	.4155	.0493	-.8505	-.4194	-.0392	-.0756	-.2325	.0496	.1105	.1933	-.4056	-.1669	-.0055	-.0056
225.000		.4655	.0746	-.7697	-.5021	-.1525	-.0382						-.3353	-.2758	-.0271
270.000		.4970	.7494		-.6937	-.5512	-.1264	-.0814			.2811	-.3920	-.3745	-.3211	-.2607
315.000		.4062	-.0319	-.8225	-.5559	-.5510	-.0471						-.3404	-.2163	-.2320

X/L= .9580

PHI	
.000	-.0760
45.000	.0305
90.000	.0665
135.000	.0896
180.000	-.0656
225.000	-.2131
270.000	-.2441
315.000	-.2345

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1346)

ALPHAT(3) = -.590 BETAT (4) = 4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2180	.3326	-.0300	-.8769	-.5513	-.3824	-.0403	-.0400	.0169	.0522	.1690	-.3088	-.1258	.1031	.0936
45.000		.2928	-.0485	-.8863	-.6675	-.1593							-.0500	.1492	.1242
90.000		.2946	-.0349	-.8917	-.6678	-.0814	-.0588	-.1208	.0366	.0640	.1459	-.2999	-.0484	.1803	.1000
135.000		.3287	-.0071	-.8930	-.5995	-.0936							-.1011	.0512	.0322
180.000	1.2160	.3707	.0502	-.8419	-.3944	-.0985	-.1289	-.2644	.0176	.0707	.0956	-.3766	-.2529	-.1342	-.0921
225.000		.4617	.1091	-.7292	-.4797	-.0549	-.0717						-.3403	-.2801	-.2231
270.000		.4765	.1618		-.7968	-.3236	-.0135	-.1055			.2098	-.4115	-.3623	-.3040	-.2446
315.000		.4013	-.0218	-.7989	-.5944	-.5170	-.0141						-.3278	-.1567	-.1772

X/LS	.9580
PHI	
.000	.0411
45.000	.0302
90.000	.0264
135.000	-.0400
180.000	-.1259
225.000	-.1775
270.000	-.0317
315.000	-.1647

ALPHAT(3) = -.590 BETAT (5) = 8.260

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2020	.3013	-.0378	-.8738	-.5602	-.4040	-.0269	-.0452	.0188	.0475	.1602	-.3099	-.0821	.2260	.2161
45.000		.2465	-.0774	-.9021	-.6838	-.1716							-.0168	.1817	.1527
90.000		.2403	-.0690	-.9085	-.7042	-.1183	-.0495	-.1235	.0360	.0514	.1194	-.3084	-.0286	.1699	.1072
135.000		.2695	-.0395	-.9009	-.5913	-.2093							-.1187	.0468	.0020
180.000	1.2020	.3613	.0650	-.8230	-.2844	-.2164	-.1769	-.2422	-.0066	.0388	.0177	-.3894	-.2585	-.1578	-.1370
225.000		.4097	.1325	-.7064	-.1895	-.1169	-.1356						-.3462	-.2854	-.2240
270.000		.4105	.1743		-.6039	-.2664	-.0369	-.1444			.1608	-.4238	-.3836	-.3168	-.2564
315.000		.3779	.0291	-.7728	-.5795	-.4385	-.0073						-.3302	-.1347	-.1454

X/LS	.9580
PHI	
.000	.1371
45.000	.0879
90.000	.0738
135.000	-.0635
180.000	-.1458

XYC11-716 1A14 C1+712+S12N21 SRM BOOSTER (RB1S48)

ALPHAT(3) = -.590 BETAT(5) = 8.260

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L= .9580

PHI	
225.000	-.1918
270.000	-.2178
315.000	-.1053

ALPHAT(4) = 4.020 BETAT(1) = -8.290

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L=	.0000	.0340	.0980	.1150	.1440	.2210	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2380	.4574	.0339	-.8427	-.2857	-.1161	-.0099	.0123	.0362	.0943	.2438	-.2588	-.1564	.0656	-.0206
45.000		.4706	.0669	-.8123	-.4792	.0038							-.0312	.3249	.2624
90.000		.4132	.0639	-.8201	-.4985	.0366	.0320	.0047	.0309	.1436	.2811	-.1410	.0284	.3625	.3073
135.000		.3091	-.0043	-.8798	-.4032	-.0370							.0271	.2874	.2260
180.000	1.2380	.2698	-.0507	-.0023	-.2694	-.2059	.0607	-.0317	.0616	.2162	.3068	-.3538	-.0740	.0647	-.0092
225.000		.2980	-.1102	-.6409	-.3334	-.5349	.1623						-.3175	-.2101	-.2355
270.000		.3997	-.1366		-.3340	-.3550	-.2043	-.0353			.0785	-.3741	-.3406	-.3257	-.2801
315.000		.4498	.0541	-.7447	-.2807	-.3730	.0176						-.3290	-.2440	-.2914

X/L= .9580

PHI	
.000	-.0998
45.000	.1472
90.000	.1856
135.000	.1004
180.000	-.0921
225.000	-.2807
270.000	-.2588
315.000	-.1071

ALPHAT(4) = 4.030 BETAT(2) = -4.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L=	.0000	.0340	.0980	.1150	.1440	.2210	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2370	.4692	.0430	-.9359	-.3333	-.2488	-.0285	-.0032	.0211	.0820	.2194	-.2449	-.1472	.0874	.0424
45.000		.4807	.0397	-.9202	-.4811	-.0792							-.0426	.2875	.2288
90.000		.3632	.0268	-.8494	-.5678	.0053	.0030	-.0409	.0063	.1167	.2324	-.1915	-.0135	.2549	.2230
135.000		.2984	-.0086	-.8923	-.4784	-.1672							-.0133	.1696	.1369
180.000	1.2370	.2811	-.0383	-.6027	-.3216	-.2143	.0356	-.0803	.0430	.1815	.2539	-.3520	-.1157	.0199	-.0226
225.000		.3074	-.1004	-.6620	-.3741	-.5447	.1004						-.3040	-.2231	-.2184

APS11-716 IA14 C14T12+S12N25 SRM BOOSTER (RS1848)

ALPHAT(4) = 4.090 BETAT (2) = -4.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LB	.0000	.0540	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4277	.7241		-.3933	-.5475	-.3336	-.0547			.3468	-.3733	-.3481	-.2994	-.2491
315.000		.4929	.0928	-.7260	-.3096	-.4385	.0011						-.3104	-.1890	-.2283

X/LB .9540

PHI	
.000	-.0361
45.000	.1244
90.000	-.0119
135.000	-.0471
180.000	-.1102
225.000	-.1101
270.000	-.1178
315.000	-.0784

ALPHAT (3) = 4.020 BETAT (3) = .050

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LB	.0000	.0540	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2230	.4721	.0304	-.8337	-.3926	-.3159	-.0213	-.0200	.0121	.0692	.1999	-.2680	-.1497	.1272	.1042
45.000		.3867	-.0007	-.8528	-.3752	-.1644							-.0677	.2132	.1834
90.000		.3169	-.0131	-.8789	-.6334	.0947	-.0033	-.0755	.0110	.0965	.2136	-.2409	-.0530	.1511	.1170
135.000		.2957	-.0201	-.8914	-.6572	-.2715							-.0562	.0983	.0658
180.000	1.2230	.2954	-.0294	-.9366	-.3897	-.2256	.0060	-.1091	.0549	.1492	.2550	-.3570	-.1937	-.0432	-.0509
225.000		.3211	-.0128	-.7936	-.4516	-.5411	.0579						-.3145	-.2531	-.2117
270.000		.4460	.7221		-.4891	-.6003	-.0395	-.0987			.3332	-.3964	-.3530	-.2949	-.2441
315.000		.4979	.0946	-.6982	-.3951	-.4217	-.0163						-.3107	-.1605	-.2022

X/LB .9540

PHI	
.000	.0399
45.000	.0877
90.000	.0279
135.000	-.0292
180.000	-.0973
225.000	-.1459
270.000	-.2163
315.000	-.2067

APOLLO-11 SA14 CM-T12+012N25 SPM BOOSTER (RB1546)

ALPHAT(4) = 4.010 BETAT(4) = 4.160

SECTION 1 SPM BOOSTER DEPENDENT VARIABLE CP

X/S	.0000	.0540	.0980	.1150	.1440	.2010	.2970	.3750	.4980	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1990	.4445	.0333	-.0233	-.1429	-.2561	-.3241	-.3740	-.3939	-.3410	-.1560	-.2905	-.1338	-.1464	-.1795
45.000		.3277	-.0458	-.0718	-.1554	-.2715							-.0592	-.2100	-.1566
90.000		.2673	-.0440	-.0700	-.1507	-.2641	-.3148	-.3397	-.3546	-.3459	-.1763	-.2707	-.0405	-.1193	-.0613
135.000		.2593	-.0414	-.0656	-.1413	-.2477							-.0699	-.1546	-.0943
180.000	1.1990	.2692	-.0286	-.0455	-.1000	-.1847	-.2337	-.1559	-.0370	-.0731	-.1406	-.3547	-.1947	-.0527	-.0540
225.000		.3589	-.0484	-.0420	-.0263	-.2147	-.2221						-.3109	-.2395	-.1801
270.000		.4186	.1341		-.2171	-.3511	-.3139	-.0900			.2571	-.4120	-.3403	-.2752	-.2051
315.000		.4462	.1213	-.0551	-.1924	-.2224	-.2174						-.3031	-.1759	-.1515

X/LS .9580

PHI	
.000	.1147
45.000	.0859
90.000	-.0403
135.000	.0094
180.000	-.1023
225.000	-.1726
270.000	-.1859
315.000	-.1238

ALPHAT(4) = 4.030 BETAT(4) = 6.320

SECTION 1 SPM BOOSTER DEPENDENT VARIABLE CP

X/S	.0000	.0540	.0980	.1150	.1440	.2010	.2970	.3750	.4980	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1780	.3902	.0423	-.0133	-.1278	-.2426	-.0318	-.0693	-.0510	-.0179	.1042	-.3245	-.0771	-.2151	-.2137
45.000		.2665	-.0528	-.0771	-.1620	-.2730							-.0316	-.1913	-.0803
90.000		.2044	-.0821	-.1037	-.2114	-.3576	-.2143	-.1809	-.1018	-.0351	.1141	-.2147	-.0307	-.1011	-.0385
135.000		.2117	-.0604	-.0758	-.1539	-.2638							-.0751	-.1442	-.0960
180.000	1.1780	.2254	-.0310	-.0441	-.0971	-.1962	-.2843	-.1730	-.0434	-.0424	.0441	-.3147	-.1178	-.0372	-.0524
225.000		.2870	-.0085	-.0409	-.0870	-.1811	-.2511						-.3145	-.2277	-.1642
270.000		.3053	.1567		-.2778	-.3744	-.3444	-.1436			.2557	-.4144	-.3536	-.2615	-.1958
315.000		.4184	.1355	-.0335	-.1731	-.2357	-.2214						-.3071	-.1514	-.0970

X/LS .9580

PHI	
.000	.1372
45.000	-.0119
90.000	-.0656
135.000	.0124
180.000	-.0934

ARC11-716 TA14 O1+T12+S12N25 SRM BOOSTER (RB1548)

ALPHAT (4) = 4.090 BETAT (5) = 8.320

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9590

PHI	
225.000	-.1672
270.000	-.1758
315.000	.0365

ALPHAT (5) = [illegible] BETAT (1) = -8.290

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	PHI	.0340	.0980	.1180	.1440	.2010	.2870	.3730	.4890	.6030	.7190	.8350	.8900	.9170	.9390
	0.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0447	.0736	.0724	.1288	.2704	-.1960	-.1284	.2297	.1438
	45.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							-.0531	.4138	.3311
	90.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-.0274	-.0109	.1162	.2627	-.1143	-.1418	.3041	.2260
	135.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						-.1922	.1371	.0514
	180.000	-.1510	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-.0015	-.0010	.0348	.1789	.2094	-.3593	- 1681	-.0087	-.1021
	225.000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0155						-.3232	-.2250	-.2026
	270.000		[illegible]	[illegible]		[illegible]	[illegible]	.0395				.3413	-.3919	-.3569	-.3122	-.2362
	315.000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0734						-.2783	-.1211	-.2206

X/LS .9660

PHI	
.000	.0484
45.000	.2143
90.000	.1212
135.000	-.0531
180.000	.1769
225.000	-.2185
270.000	.2225
315.000	- .2443

ALPHAT (4) = 4.090 BETAT (2) = -4.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	PHI	.0340	.0980	.1180	.1440	.2010	.2870	.3730	.4890	.6030	.7190	.8350	.8900	.9170	.9390
	0.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0736	[illegible]	[illegible]	.2547	-.2100	-.1183	.2258	.1759
	45.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							-.0749	.3355	.2705
	90.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-.0952	-.0741	[illegible]	.2318	.1743	-.1275	.1995	.1239
	135.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							-.1736	.0805	-.0065
	180.000	-.1712	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-.0460	-.0092	.1392	.1735	-.3503	-.1777	-.0235	-.0854
	225.000		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						-.3233	-.2428	-.1974

AP011-716 IA14 01+712+512N25 SRM BOOSTER (RB1S46)

ALPHA(5) = 8.030 BETA (2) = -4.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4890	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3005	.6221		-.3114	-.4929	-.3692	-.0044			.3396	-.3635	-.3382	-.2868	-.2460
315.000		.5340	.1808	-.6627	-.2428	-.3220	.0230						-.2935	-.1226	-.1851

X/LS	.9580
PHI	
.000	.0885
45.000	.1609
90.000	.0366
135.000	-.1023
180.000	-.1587
225.000	-.1940
270.000	-.2073
315.000	-.2063

ALPHA(5) = 8.070 BETA (3) = .080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1510	.3645	.1015	-.7730	-.3105	-.1940	-.0130	-.0293	-.0242	.0491	.1565	-.2613	-.1315	.2209	.2049
45.000		.3959	-.0062	-.8420	-.4664	-.3284							-.1040	.2840	.2117
90.000		.2098	-.0782	-.9061	-.5499	-.4302	-.3959	-.1539	-.1179	.0546	.1911	-.2381	-.1065	.1198	.0337
135.000		.1584	-.0920	-.9272	-.5674	-.4355							-.1025	.0510	-.0140
180.000	1.1510	.1666	-.1048	-.9003	-.4632	-.3109	-.0239	-.0922	.0101	.1307	.1996	-.3493	-.1566	.0756	.0226
225.000		.1505	-.0717	-.7517	-.4920	-.5785	-.0794						-.2805	-.1934	-.1659
270.000		.3138	.6014		-.4704	-.3503	-.1002	-.0678			.2540	-.3907	-.3395	-.2662	-.1965
315.000		.5703	.2032	-.6127	-.2902	-.0979	.0031						-.2795	-.1729	-.1545

X/LS	.9580
PHI	
.000	.1344
45.000	.1107
90.000	-.0429
135.000	-.1121
180.000	-.0484
225.000	-.1688
270.000	-.1764
315.000	-.1567

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1S46)

ALPHAT(5) = 8.160 BETAT (4) = 4.210

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1270	.5693	.0949	-.7578	-.3134	-.2696	-.0285	-.0614	-.0759	.0070	.1190	-.3036	-.1248	.2467	.2685
45.000		.3215	-.0683	-.8758	-.4689	-.4480							-.0995	.2183	.1428
90.000		.1697	-.1143	-.9333	-.6872	-.1730	-.0684	-.1534	-.0616	.0425	.1648	-.2688	-.0939	.0476	-.0258
135.000		.1355	-.0932	-.9293	-.7326	-.1240							-.1020	.0817	-.0231
180.000	1.1270	.1344	-.0966	-.9234	-.4655	-.2467	-.0191	-.1057	.0265	.1070	.1363	-.3572	-.1629	.0322	.0126
225.000		.1132	-.2412	-.6982	-.5902	-.5094	-.0265						-.2995	-.2128	-.1664
270.000		.2815	.5995		-.5591	-.2369	-.0270	-.0493			.2590	-.4211	-.3469	-.2580	-.1948
315.000		.5526	.3380	-.4689	-.2704	-.1309	.0454						-.2758	-.1313	-.0783

X/LS	.9580
PHI	
.000	.1969
45.000	.0443
90.000	-.1076
135.000	-.1116
180.000	-.0431
225.000	-.1528
270.000	-.1574
315.000	-.0355

ALPHAT(5) = 8.110 BETAT (5) = 8.380

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1230	.5546	.0805	-.7463	-.2975	-.3299	-.0371	-.0769	-.1117	-.0270	.1030	-.3371	-.0831	.3499	.3558
45.000		.2554	-.1327	-.9113	-.5121	-.5464							-.0485	.1958	.0836
90.000		.1134	-.1420	-.9467	-.6992	-.1855	-.0709	-.1460	-.0537	.0026	.1460	-.2789	-.0675	.0592	-.0255
135.000		.1253	-.0937	-.9229	-.6749	-.1292							-.1068	.1074	.0515
180.000	1.1280	.1164	-.0709	-.9119	-.4506	-.3179	-.0058	-.1157	.0150	.0783	.1210	-.3641	-.2067	-.0401	-.0160
225.000		.0981	-.1996	-.6490	-.5172	-.4881	-.0179						-.3216	-.2481	-.1645
270.000		.2165	.5952		-.5093	-.4394	-.0133	-.0914			.2867	-.4155	-.3799	-.2979	-.2105
315.000		.5790	.2743	-.3045	-.2373	-.2009	.0780						-.2928	-.0297	.1197

X/LS	.9580
PHI	
.000	.2525
45.000	-.0280
90.000	-.1154
135.000	-.0375
180.000	-.0636

ARC11-716 1A14 01+T12+S12N25 SRM BOOSTER (PB1S46)

ALPHAT(5) = 8.110 BETAT (5) = 8.380

SECTION = 1) SRM BOOSTER DEPENDENT VARIABLE CP

X/CS .9590

PHI'	
225.000	-.1436
270.000	-.2052
315.000	.1933

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1547) (14 FEB 74)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5900 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.050 ELEVON = .000
RUDDER = .000 SPDBRK = .000

ALPHAT(1) = -8.730 BETAT (1) = -8.250

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4890	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.2281	.1368	.0942	-.7963	-.5170	-.4206	-.3313	-.2936	-.4179	-.1043	.1055	-.3110	-.2254	-.0734	-.2456
45.000		[illegible]	[illegible]	[illegible]	-.5800	-.3357							-.0912	.0271	-.0433
[illegible]		[illegible]	.3876	[illegible]	-.3432	-.2200	-.3185	-.4026	-.3201	-.2136	.0798	-.3504	.0391	.3396	.3088
135.000		[illegible]	.2411	[illegible]	.1006	.0378							.1322	.5072	.4593
180.000	1.2250	[illegible]	.2764	[illegible]	.2407	.1667	.0654	-.0963	-.0911	.1224	.2509	-.3799	.0088	.2533	.2139
225.000		[illegible]	.3469	[illegible]	.1015	.2028	.0944						-.3142	-.2012	-.2643
270.000		[illegible]	.9603		-.0431	-.5080	-.1902	-.0924			.3189	-.4283	-.3619	-.3523	-.3140
315.000		.1704	-.2779	[illegible]	-.6472	-.6422	-.1158						-.3754	-.3415	-.3167

X/LS	.9580
PHI	
.000	-.3343
45.000	-.1409
90.000	.1941
135.000	.3247
180.000	.0832
225.000	-.2849
270.000	-.2693
315.000	-.2959

ALPHAT(1) = -8.690 BETAT (2) = -4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4890	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.2080	.1730	-.0888	-.7358	-.5255	-.3969	-.2859	-.2323	-.3971	-.1822	.0853	-.3487	-.1760	.0215	-.1116
45.000		.1590	-.0794	-.7914	-.6244	-.3036							-.0856	.0308	-.0276
90.000		.2904	.0125	-.7389	-.4084	-.3045	-.3890	-.5546	-.3715	-.2178	.0765	-.3644	.0222	.2643	.2647
135.000		.5301	.1909	-.6486	-.2111	-.0788							.0778	.3975	.3929
180.000	1.2080	.6888	.2813	-.5525	.1574	.1022	-.0266	-.1824	-.2236	.0977	.1018	-.4057	-.0724	.1320	.1201
225.000		.6311	.3513	-.4579	.1278	.1434	.0309						-.3126	-.2639	-.2757
270.000		.5222	.6338		-.5624	-.5417	-.1978	-.1105			.2865	-.3947	-.3423	-.3083	-.2718
315.000		.1473	-.3054	-.6793	-.5675	-.6042	-.1105						-.3303	-.2438	-.2555

X/LS	.9580

AR-11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1S47)

ALPHAT(1) = -8.690 BETAT (2) = -4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
.000	-.2006
45.000	-.1057
90.000	.1592
135.000	.2699
180.000	.0524
225.000	.2706
270.000	-.2345
315.000	-.2369

ALPHAT(1) = -8.680 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7190	.8330	.8900	.9170	.9590
PHI															
.000	1.1830	.1627	-.0771	-.7739	-.5134	-.3623	-.2193	-.1860	-.1273	-.0073	.0795	-.3551	-.1888	.0258	-.0694
45.000		.1451	-.0687	-.7797	-.6311	-.2726							-.1148	.0084	-.0311
90.000		.2212	-.0354	-.7628	-.4126	-.3945	-.4342	-.5221	-.3360	-.2052	.0754	-.3414	-.0754	.1486	.1757
135.000		.4651	.1115	-.6775	-.1415	-.2135							-.1283	.1393	.2694
180.000	1.1830	.6913	.2742	-.5293	.0716	.0126	-.1013	-.2870	-.2369	.0366	-.0456	-.3950	-.3003	-.1648	-.0477
225.000		.6547	.3767	-.2650	.1099	.1009	.0030						-.3544	-.3083	-.2448
270.000		.3016	.6022		-.6851	-.5552	-.1900	-.1207			.2170	-.4090	-.3659	-.3197	-.2914
315.000		.1161	-.3059	-.6779	-.6958	-.5039	-.1145						-.3384	-.1424	-.2072

X/LS .9580

PHI	
.000	-.1533
45.000	-.1055
90.000	.1044
135.000	.2063
180.000	-.0196
225.000	-.2089
270.000	-.2760
315.000	-.2136

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1547)

ALPHAT(1) = -8.680 BETAT (4) = 4.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1330	.1338	-.0743	-.7755	-.5030	-.3584	-.1729	-.1273	-.1106	-.0124	.1741	-.3112	-.2042	.2780	.2113
45.000		.1266	-.0622	-.7838	-.6445	-.2370							-.1164	.1158	.0288
90.000		.1498	-.0838	-.7951	-.4351	-.4449	-.4620	-.4524	-.2284	-.1139	.0562	-.3244	-.0838	.0349	.1571
135.000		.3905	.0312	-.7244	-.2656	-.3553							-.1537	.0435	.1172
180.000	1.1330	.6812	.3394	-.5405	-.0312	-.0872	-.1940	-.3938	-.2398	-.0189	-.0886	-.4027	-.3170	-.2117	-.1074
225.000		.6700	.3149	.1082	.1225	.0902	-.0369						-.3541	-.3105	-.2007
270.000		.2529	.5905		-.6725	-.5849	-.2181	-.1265			.0713	-.4260	-.3943	-.3500	-.2982
315.000		.0797	-.3133	-.6456	-.6834	-.5782	-.1539						-.3397	-.1015	-.1842

X/LS	.9580
PHI	
.000	.1457
45.000	-.0330
90.000	.0056
135.000	.0932
180.000	-.0976
225.000	-.2579
270.000	-.2911
315.000	-.1721

ALPHAT(1) = -8.720 BETAT (5) = 8.320

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1120	.1220	-.0631	-.7655	-.4810	-.3526	-.1364	-.1005	-.1039	.0310	.1950	-.3254	-.1470	.3071	.3028
45.000		.1170	-.0622	-.7758	-.6275	-.2613							-.0600	.2752	.1353
90.000		.0954	-.1213	-.8106	-.4696	-.4535	-.4107	-.4044	-.2778	-.0439	.0695	-.3268	-.0859	.1113	.0413
135.000		.3092	-.0512	-.7535	-.3649	-.4095							-.1492	-.0237	-.0351
180.000	1.1120	.6832	.2409	-.3976	-.0413	-.1593	-.2794	-.4821	-.2997	-.0564	-.0924	-.4036	-.2886	-.2024	-.2013
225.000		.7009	.4736	.2053	.1556	.0554	-.0690						-.3673	-.3301	-.2914
270.000		.2111	.5746		-.6664	-.5848	-.2332	-.1387			-.1631	-.4433	-.4149	-.3580	-.2982
315.000		.0660	-.3125	-.5643	-.6707	-.5657	-.1708						-.3035	-.0957	-.1164

X/LS	.9580
PHI	
.000	.2137
45.000	.0239
90.000	-.0380
135.000	-.0899
180.000	-.2112

AP011-716 IA14 01+T13+S12N28 SRM BOOSTER (RB1547)

ALPHAT (1) = -8.720 BETAT (1) = 8.320

SECTION 1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L= .9580

PHI
225.000 -.2700
270.000 -.2765
315.000 -.0787

ALPHAT 2) = -4.340 BETAT (1) = -8.300

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L=	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9300
PHI															
.000	1.2820	.2967	-.0105	-.7573	-.5372	-.3163	-.1944	-.1092	-.1041	-.0303	.2152	-.2622	-.2027	-.0538	-.1887
45.000		.3333	.0400	-.7287	-.5199	-.1495							-.1389	.1348	.1028
90.000		.4598	.1490	-.6879	-.3991	-.0544	-.1362	-.1739	-.1755	-.0377	.1819	-.2570	-.0252	.3645	.3665
135.000		.5451	.2085	-.6451	-.3349	.1000							.0703	.4469	.4401
180.000	1.2920	.5493	.1939	-.6930	-.3209	.1836	.0870	-.0787	-.1014	.1422	.3345	-.3554	-.0135	.2169	.2031
225.000		.5262	.2239	-.5969	-.5046	.1075	.0979						-.3008	-.1945	-.2590
270.000		.4489	.7762		-.6224	-.5070	-.1555	-.0859			.3919	-.4008	-.3483	-.3195	-.2864
315.000		.3249	-.0735	-.7649	-.6057	-.5549	-.0320						-.3371	-.2407	-.2829

X/L= .9580

PHI
.000 -.2652
45.000 .0080
90.000 .2445
135.000 .2996
180.000 .0757
225.000 -.2764
270.000 -.2572
315.000 -.2798

ALPHAT 2) = -4.320 BETAT (2) = -4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/L=	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2710	.2864	-.0204	-.7436	-.5030	-.3092	-.1402	-.1300	-.1016	-.0250	.1740	-.2010	-.1518	.0096	-.0820
45.000		.3065	.0375	-.7349	-.5502	-.1377							-.1172	.1394	.1268
90.000		.4001	.1102	-.6972	-.4489	-.1089	-.1826	-.2136	-.1911	-.0349	.1882	-.2693	-.0244	.3050	.3239
135.000		.5059	.1761	-.6647	-.3648	.0122							.0440	.3586	.3826
180.000	1.2710	.5572	.2039	-.6501	-.3284	.1000	.0114	-.1491	-.1788	.1037	.2626	-.3654	-.0555	.1494	.1435
225.000		.5479	.2477	-.5995	-.4297	.1233	.0347						-.2854	-.2283	-.2361

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1847)

ALPHAT(2) = -4.320 BETAT (2) = -4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4530	.7586		-.5880	-.5886	-.1785	-.0699			.3268	-.3695	-.3129	-.2933	-.2580
315.000		.3176	-.0802	-.7655	-.5886	-.5571	-.0714						-.2784	-.1203	-.2016

X/LS	.9580
PHI	
.000	-.1627
45.000	.0440
90.000	.2147
135.000	.2594
180.000	.0675
225.000	-.2401
270.000	-.3213
315.000	-.2593

ALPHAT(2) = -4.380 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2520	.2611	.0008	-.7437	-.4847	-.3029	-.1048	-.0812	-.0958	-.0004	.1799	-.2767	-.1804	.0568	-.0199
45.000		.2709	.0264	-.7405	-.5896	-.1276							-.0868	.1147	.1083
90.000		.3318	.0655	-.7231	-.3009	-.1428	-.1970	-.2419	-.1952	-.0310	.1918	-.2701	-.0378	.2356	.2513
135.000		.4491	.1350	-.6987	-.3549	-.0954							-.0084	.2650	.2998
180.000	1.2520	.5490	.2066	-.6337	-.1519	.0190	-.0523	-.2361	-.1935	.0610	.1601	-.3804	-.1845	-.0034	.0404
225.000		.5522	.2746	-.5030	-.3273	.0597	-.0086						-.3220	-.2678	-.2350
270.000		.4237	.7521		-.6085	-.5902	-.1903	-.0853			.2504	-.3795	-.3510	-.3164	-.2666
315.000		.2895	-.0798	-.7609	-.6099	-.5538	-.1084						-.3018	-.1233	-.2186

X/LS	.9580
PHI	
.000	-.0998
45.000	.0354
90.000	.1641
135.000	.2032
180.000	.0190
225.000	-.2133
270.000	-.2566
315.000	-.2293

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1547.

ALPHAT (2) = -4.390 BETAT (4) = 4.120

SECTION 11SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2170	.1970	.0093	-.7454	-.5162	-.2436	-.0685	-.0581	-.0866	.0100	.2294	-.2758	-.1626	.1986	.1974
45.000		.2221	.0170	-.7427	-.5785	-.1252							-.0801	.2975	.1582
90.000		.2590	.0305	-.7406	-.5354	-.1600	-.1519	-.2207	-.1531	-.0128	.1718	-.2743	-.0232	.1336	.1270
135.000		.3514	.0877	-.7103	-.2976	-.2023							-.0559	.1000	.1279
180.000	1.2170	.4848	.2239	-.6093	-.0717	-.0593	-.1099	-.2951	-.1341	.0093	.0658	-.3519	-.2396	-.0986	-.0413
225.000		.4838	.3058	-.4565	-.0270	.0166	-.0534						-.3159	.2725	-.2374
270.000		.2857	.7712		-.6657	-.1366	-.1764	-.1049			.1611	-.3478	-.3594	-.3003	-.2530
315.000		.1844	-.0333	-.7353	-.6345	-.4672	-.1244						-.2861	-.1039	-.1631

X/LS	.9580
PHI	
.000	.1357
45.000	.0652
90.000	.0405
135.000	.0667
180.000	-.0581
225.000	-.2154
270.000	-.2416
315.000	-.1367

ALPHAT (2) = -4.400 BETAT (5) = 8.270

SECTION 11SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2130	.1038	.0209	-.7361	-.5243	-.1323	-.0456	-.0584	-.1000	.0480	.2349	-.2566	-.0957	.2735	.2070
45.000		.1546	.0019	-.7383	-.5910	-.0975							-.0365	.3880	.3077
90.000		.1811	.0014	-.7580	-.5342	-.1951	-.1443	-.2282	-.2003	.0009	.1459	-.2879	-.0230	.0567	.1139
135.000		.2551	.0495	-.7334	-.3019	-.3341							-.0587	.0932	.0626
180.000	1.2130	.4131	.2468	-.5728	-.0569	-.1416	-.2108	-.3538	-.1458	-.0096	-.0029	-.3684	-.2331	-.1292	-.1492
225.000		.3997	.3228	-.0040	.0593	-.0314	-.1173						-.3342	-.2901	-.2451
270.000		.1200	.7230		-.6761	-.2100	-.1941	-.1094			.0597	-.4145	-.3829	-.3120	-.2415
315.000		.0545	-.0001	-.7135	-.6059	-.2400	-.1035						-.2532	-.0886	-.0906

X/LS	.9580
PHI	
.000	.1942
45.000	.2116
90.000	.0908
135.000	-.0161
180.000	-.1817

ARC11-716 IA14 OL+T12+S12NE5 SRM BOOSTER (RB1547)

ALPHAT(2) = -4.400 BETAT (5) = 8.270

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2368
270.000	-.2288
315.000	-.0551

ALPHAT(3) = -.510 BETAT (1) = -8.320

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730		.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2960	.3424	.0629	-.7219	-.4945	-.2427	-.0976	-.0643	-.0351	.0467	.2755	-.2434	-.2402	.0116	-.0643
45.000		.4378	.1146	-.6864	-.4490	-.1718							-.2305	.2393	.2275
90.000		.4612	.1793	-.6835	-.3794	-.0936	.0630	-.0247	-.0422	.0949	.2994	-.1440	-.1385	.3900	.3934
135.000		.4613	.1636	-.0745	-.4223	.0959							.0091	.3993	.4079
180.000	1.2960	.4294	.1205	-.7003	-.4436	.0777	.1368	-.0382	-.0564	.1945	.3804	-.3334	-.0237	.1993	.1787
225.000		.4404	.1164	-.6650	-.4666	-.1350	.1645						-.2836	-.1741	-.2486
270.000		.4702	.8215		-.5502	-.6479	-.2022	-.0625			.4161	-.3879	-.3471	-.3188	-.2700
315.000		.4190	.0608	-.6808	-.4796	-.4114	-.0502						-.3159	-.2057	-.2671

X/LS .9580

PHI	
.000	-.1379
45.000	.1285
90.000	.2734
135.000	.2689
180.000	.0605
225.000	-.2815
270.000	-.2436
315.000	-.2736

ALPHAT(3) = -.290 BETAT (2) = -4.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2880	.3844	.0712	-.7138	-.4643	-.2584	-.0648	-.0550	-.0377	.0350	.2657	-.2461	-.1963	.0509	-.0012
45.000		.3994	.1022	-.6966	-.4820	-.1428							-.1534	.2302	.2334
90.000		.4294	.1423	-.6909	-.4422	-.0263	.0298	-.0649	-.0767	.0790	.2923	-.1687	-.0911	.3202	.3424
135.000		.4308	.1489	-.6856	-.4538	.0192							.0003	.3177	.3449
180.000	1.2880	.4261	.1317	-.6979	-.4020	-.0184	.0754	-.0918	-.1070	.1556	.3347	-.3375	-.0522	.1286	.1166
225.000		.4494	.1333	-.6502	-.4170	-.2704	.0974						-.2832	?	-.2127

ARC11-716 IA14 OL+T12+S12N25 SRM BOOSTER (RB1347)

ALPHAT(3) = -.290 BETAT (2) = -4.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4040	.8131		-.5229	-.5431	-.2334	-.0884			.3883	-.3583	-.3293	-.2937	-.2540
315.000		.4199	.0663	-.6724	-.4595	-.4082	-.1152						-.2959	-.2046	-.2313

X/LS	.9580
PHI	
.000	-.0804
45.000	.1410
90.000	.2332
135.000	.2231
180.000	.0373
225.000	-.2191
270.000	-.2285
315.000	-.2547

ALPHAT(3) = -.610 BETAT (3) = .020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2710	.3568	.0701	-.7164	-.4314	-.2948	-.0427	-.0222	-.0544	.0235	.2238	-.2534	-.1695	.0819	.0703
45.000		.3511	.0763	-.7100	-.5165	-.1168							-.0990	.1788	.1979
90.000		.3677	.1037	-.7064	-.4950	-.0328	-.0155	-.0851	-.1117	.0650	.2545	-.2050	-.0381	.2015	.2420
135.000		.3963	.1259	-.7004	-.4720	-.0576							-.0137	.2424	.2605
180.000	1.2710	.4275	.1456	-.6910	-.3311	-.0745	.0045	-.1536	-.1458	.1079	.2508	-.3549	-.0967	.0697	.0606
225.000		.4542	.1667	-.6144	-.3961	-.2273	.0263						-.2879	-.2118	-.2036
270.000		.4770	.8078		-.5415	-.4099	-.1916	-.0860			.3214	-.3673	-.3389	-.2896	-.2423
315.000		.4074	.0658	-.6869	-.4602	-.4502	-.0689						-.2084	-.1611	-.2110

X/LS	.9580
PHI	
.000	.0218
45.000	.1158
90.000	.1550
135.000	.1622
180.000	.0118
225.000	-.1904
270.000	-.2292
315.000	-.2164

APC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1347)

ALPHAT(3) = -.200 BETAT (4) = 4.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4590	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2440	.3523	.0672	-.7146	-.4211	-.3101	-.0355	-.0184	-.0690	.0140	.2324	-.2495	-.1196	.1984	.2090
45.000		.3043	.0517	-.7257	-.5327	-.1160							-.0398	.2055	.2045
90.000		.3087	.0523	-.7262	-.5405	-.0325	-.0234	-.0827	-.1105	.0529	.2027	-.2239	-.0429	.2793	.2191
135.000		.3162	.0572	-.7220	-.4937	-.0760							-.0357	.1616	.1440
180.000	1.2440	.3815	.1315	-.6917	-.3214	-.0745	-.0492	-.2127	-.1199	.0549	.1465	-.3412	-.1811	-.0 95	-.0311
225.000		.4203	.1926	-.5959	-.4271	.0131	.0070						-.2904	-.2 93	-.2021
270.000		.4947	.2926		-.6544	-.2545	-.0429	-.0818			.2638	-.3828	-.3343	-.2 92	-.2243
315.000		.3755	.0939	-.6296	-.4621	-.4035	-.0271						-.2684	-.0844	-.1088

X/LS .9590

PHI	
.000	.1478
45.000	.1088
90.000	.1268
135.000	.0687
180.000	-.0852
225.000	-.1957
270.000	-.2119
315.000	-.0952

ALPHAT(3) = -.210 BETAT (5) = 8.290

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2340	.2869	.0648	-.7049	-.4178	-.3154	-.0221	-.0270	-.0851	.0439	.2313	-.2586	-.0708	.3443	.2980
45.000		.2546	.0256	-.7352	-.5357	-.0994							-.0035	.2914	.2468
90.000		.2570	.0311	-.7403	-.5605	-.0331	-.0210	-.1027	-.1043	.0742	.1913	-.2224	.0203	.2744	.1898
135.000		.2749	.0562	-.7352	-.4924	-.1234							-.0524	.1527	.0785
180.000	1.2340	.3395	.1530	-.6729	-.2517	-.0941	-.0094	-.2469	-.0966	.0337	.0768	-.3481	-.2016	-.0859	-.1051
225.000		.3913	.2140	-.5667	-.3240	.0260	-.0578						-.3001	-.2445	-.2104
270.000		.3447	.2464		-.3600	-.1495	-.0293	-.1220			.2012	-.3991	-.3602	-.2878	-.2203
315.000		.2316	.1289	-.6081	-.4347	-.3510	-.0152						-.2617	-.0678	-.0808

X/LS .9590

PHI	
.000	.2096
45.000	.1420
90.000	.0765
135.000	-.0022
180.000	-.1902

APOLLO-SATURN 514/S12+S12B/S4 SRM BOOSTER (RB1547)

ALPHAT(3) = -.210 BETAT(3) = 8.290

SECTION 1 SRM BOOSTER DEPENDENT VARIABLE CP

X/L = .9590

PHI
265.000	-.2089
270.000	-.2002
315.000	-.0419

ALPHAT(4) = 4.030 BETAT(1) = -8.310

SECTION 1 SRM BOOSTER DEPENDENT VARIABLE CP

X/L	.0000	.0340	.0940	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2790	.4991	.1312	-.6862	-.3281	-.1561	.0055	.0056	.0142	.0955	.3096	-.2105	-.2447	.1285	.0722
45.000		.5167	.1631	-.6556	-.3774	-.1164							-.1918	.3550	.3261
90.000		.4973	.1810	-.6656	-.3941	-.0979	.0957	.0475	.0041	.1592	.3638	-.0580	-.2194	.3681	.3681
135.000		.3471	.0937	-.7247	-.5139	-.0089							-.3665	.2808	.3142
180.000	1.2790	.3025	.0363	-.7871	-.6276	-.0919	.1211	.0153	-.0319	.2390	.3457	-.3091	-.0945	.1030	.1107
225.000		.3258	-.0204	-.8319	-.5267	-.5422	.1803						-.2630	-.1675	-.2167
270.000		.4366	.2577		-.3219	-.3599	-.3579	-.1761			.3311	-.3690	-.3266	-.2939	-.2472
315.000		.4890	.1618	-.6074	-.2752	-.0774	-.0027						-.2956	-.1713	-.2671

X/L = .9590

PHI
.000	-.0088
45.000	.2290
90.000	.2618
135.000	.1915
180.000	.0125
225.000	-.2511
270.000	-.2256
315.000	-.2725

ALPHAT(4) = 4.040 BETAT(2) = -4.140

SECTION 1 SRM BOOSTER DEPENDENT VARIABLE CP

X/L	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2690	.4964	.1393	-.6752	-.3367	-.1558	-.0357	.0117	.0035	.0939	.2810	-.2015	-.1696	.1598	.1256
45.000		.4615	.1375	-.6698	-.4150	-.1362							-.1252	.3105	.2977
90.000		.3226	.0292	-.6806	-.4515	-.0974	.0702	.0046	-.0406	.1154	.3202	-.1065	-.1456	.2839	.2884
135.000		.3187	.0874	-.7231	-.5540	-.0071							-.1033	.1942	.2244
180.000	1.2690	.3071	.0489	-.7516	-.6226	-.0608	.0816	-.0294	-.0645	.1931	.3177	-.3101	-.0589	.0844	.0706
225.000		.3235	-.0149	-.8151	-.5371	-.0494	.1206						-.2645	-.1883	-.1872

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1847)

ALPHAT(4) = 4.040 BETAT (2) = -4.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4408	.1764		-.3677	-.5049	-.0330	-.0703			.3498	-.3530	-.3137	-.2739	-.2208
315.000		.5010	.1775	-.6922	-.2872	-.3926	-.0219						-.2677	-.1394	-.2083

X/LS .9740

PHI	
.000	.0597
45.000	.2069
90.000	.1967
135.000	.1913
180.000	.2004
225.000	.1734
270.000	.**
315.000	.2212

ALPHAT(4) = 4.040 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2910	.4748	.1361	-.6722	-.3089	-.2094	-.0621	-.0035	-.0150	.0225	.2468	-.2114	-.1548	.1899	.1755
45.000		.4024	.1009	-.6938	-.4517	-.2177							-.0968	.2616	.2432
90.000		.3238	.0850	-.7133	-.5091	-.1961	.0235	-.0291	-.0839	.0940	.2674	-.1614	-.0788	.1972	.1809
135.000		.2949	.0754	-.7203	-.5467	-.2005							-.0532	.1596	.1504
180.000	1.2910	.2905	.0601	-.7334	-.5671	-.2335	.0636	-.0919	-.1748	.1554	.2676	-.3199	-.1152	.0591	.0391
225.000		.3162	.0540	-.7178	-.4504	-.0731	.0702						-.2706	-.2112	-.1735
270.000		.4316	.2732		-.4731	-.5209	-.1155	-.1025			.3631	-.3567	-.3147	-.2519	-.2038
315.000		.4984	.1901	-.6441	-.3743	-.2731	-.0621						-.2568	-.1190	-.1599

X/LS .9580

PHI	
.000	.1172
45.000	.1818
90.000	.1002
135.000	.0447
180.000	-.0111
225.000	-.1767
270.000	-.1933
315.000	-.1560

ARC11-Y16 IA14 01+T12+S12N25 SRM BOOSTER (RB1547)

ALPHAT(4) = 4.030 BETAT (4) = 4.180

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2270	.4354	.1309	-.6625	-.3041	-.2282	-.0680	-.0089	-.0520	-.0071	.2217	-.2226	-.1463	.5044	.2859
45.000		.3308	.0613	-.7083	-.4718	-.2697							-.0662	.2604	.2327
90.000		.2729	.0520	-.7286	-.5486	-.0930	.0178	-.0387	-.1108	.0610	.2321	-.1951	-.0436	.1924	.1395
135.000		.2602	.0564	-.7215	-.5620	-.0577							-.0310	.2695	.1855
180.000	1.2270	.2582	.0679	-.7268	-.3995	-.1554	.0137	-.1203	-.0662	.1028	.1913	-.3104	-.1202	.0310	.0131
225.000		.2713	.0350	-.6870	-.5319	-.3108	.0208						-.2616	-.1891	-.1628
270.000		.3667	.7955		-.6215	-.3691	-.1586	-.1012			.3370	-.3706	-.3044	-.2387	-.1856
315.000		.4579	.2163	-.4809	-.4473	-.1119	-.0785						-.2478	-.0641	-.0735

X/LS	.9580
PHI	
.000	.2188
45.000	.1432
90.000	.0375
135.000	.0884
180.000	-.0435
225.000	-.1692
270.000	-.1750
315.000	-.0478

ALPHAT(4) = 4.040 BETAT (5) = 8.360

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1790	.3731	.1421	-.6531	-.2933	-.2880	-.0551	-.0183	-.0703	.0386	.1770	-.2713	-.0507	.2511	.2659
45.000		.2397	.0156	-.7366	-.4969	-.2896							-.0139	.2499	.1791
90.000		.2115	.0203	-.7515	-.5659	-.0977	.0019	-.0766	-.1292	.0683	.2129	-.2110	.0122	.1924	.1193
135.000		.2117	.0365	-.7397	-.5549	-.0738							-.0084	.2606	.1758
180.000	1.1790	.2077	.0764	-.7211	-.3818	-.1734	-.0342	-.1543	-.0619	.0721	.1307	-.3202	-.1175	.0399	-.0094
225.000		.2147	.0814	-.6638	-.4662	-.2177	-.0501						-.2549	-.1647	-.1475
270.000		.2740	.8209		-.6221	-.2078	-.1263	-.0923			.2976	-.3893	-.3232	-.2303	-.1432
315.000		.4099	.2359	-.4025	-.3159	-.0829	-.0560						-.2205	-.0231	.0720

X/LS	.9580
PHI	
.000	.1909
45.000	.0720
90.000	.0078
135.000	.0785
180.000	-.0745

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1547)

ALPHAT(4) = 4.040 BETAT (5) = 8.360

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1703
270.000	-.1640
315.000	.0974

ALPHAT(5) = 8.100 BETAT (1) = -8.310

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2090	.6139	.1960	-.6415	-.1902	-.1005	.0127	.0691	.0691	.1328	.3221	-.1615	-.1987	.2682	.2121
45.000		.5891	.2130	-.6250	-.3185	-.1062							-.1230	.4406	.3833
90.000		.3784	.1062	-.6322	-.4248	-.1309	-.0907	.0063	-.0131	.1390	.3331	-.0318	-.2111	.3036	.2451
135.000		.2029	-.0162	-.7798	-.2975	-.1807							-.4119	.1119	.1104
180.000	1.2260	.1973	-.0446	-.5902	-.3542	-.3112	-.0323	.0122	.0140	.1946	.2611	-.3123	-.1810	.0383	-.0199
225.000		.1800	-.1898	-.4333	-.2632	-.4059	-.0299						-.2664	-.1629	-.1571
270.000		.3372	.7009		-.2532	-.3958	-.0431	.0504			.3388	-.3734	-.3136	-.2554	-.2033
315.000		.5398	.2371	-.5160	-.2281	-.2427	.0199						-.2470	-.0589	-.1682

X/LS .9580

PHI	
.000	.1202
45.000	.2848
90.000	.1757
135.000	.0333
180.000	-.1126
225.000	-.1919
270.000	-.1910
315.000	-.2010

ALPHAT(5) = 8.160 BETAT (2) = -4.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2120	.6138	.2027	-.6332	-.1838	-.1028	-.0209	.0198	.0216	.0527	.2539	-.1753	-.1274	.2826	.2519
45.000		.5000	.1715	-.6535	-.3511	-.1803							-.1060	.3790	.3400
90.000		.3052	.0591	-.7249	-.4863	-.2171	-.1366	-.0625	-.1154	.0799	.2912	-.0990	-.1804	.2202	.1632
135.000		.1905	-.0078	-.7762	-.5635	-.1783							-.2010	.1072	.0608
180.000	1.2120	.1924	-.0305	-.7638	-.3620	-.3159	-.0314	-.0351	-.0664	.1361	.2483	-.3019	-.1124	.0715	-.0013
225.000		.1734	-.2033	-.5998	-.3720	-.5067	-.0296						-.2299	-.1358	-.1271

/PC11-716 IA14 C1+T12+S12N25 SRM BOOSTER (RB1347)

ALPHAT(5) = 8.160 BETAT (2) = -4.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.8378	.6744		-.3780	-.3673	-.0867	-.0603			.2857	-.3573	-.3016	-.2428	-.1829
315.000		.5635	.2637	-.4915	-.2956	-.1022	-.0103						-.2297	-.0761	-.1291

X/LS	.9580
PHI	
.000	.1784
45.000	.2490
90.000	.1022
135.000	-.0247
180.000	-.0919
225.000	-.1511
270.000	-.1798
315.000	-.1547

ALPHAT(5) = 8.200 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1930	.5988	.1961	-.6198	-.2026	-.1434	-.0701	-.0075	-.0162	-.0169	.2183	-.1885	-.1306	.3389	.3085
45.000		.4131	.0857	-.6852	-.3692	-.2546							-.1220	.3382	.2856
90.000		.2196	.0097	-.7406	-.5395	-.2555	-.1055	-.0855	-.1789	.0757	.2512	-.1525	-.1156	.1548	.0859
135.000		.1602	-.0079	-.7681	-.6193	-.1532							-.1039	.1167	.0485
180.000	1.1930	.1620	-.0227	-.7599	-.5042	-.2869	.0070	-.0572	-.0640	.1436	.2523	-.2929	-.0730	.1931	.0802
225.000		.1369	-.2011	-.5953	-.4697	-.5157	-.0093						-.2440	-.1613	-.1232
270.000		.2963	.6526		-.4600	-.2844	-.0520	-.0844			.2779	-.3306	-.2711	-.2087	.1608
315.000		.5643	.2948	-.4485	-.2905	-.0803	-.0173						-.2240	-.0513	-.0887

X/LS	.9580
PHI	
.000	.2423
45.000	.1934
90.000	.0199
135.000	-.0542
180.000	.0138
225.000	-.1381
270.000	-.1533
315.000	-.0764

ARC11-716 IA14 C1+T12+S12N25 SRM BOOSTER (RB1947)

ALPHAT(5) = 8.150 BETAT (4) = 4.230

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1630	.5490	.1894	-.5984	-.1891	-.2059	-.1247	-.0171	-.0400	-.0434	.2295	-.2450	-.1350	.3573	.3878
45.000		.3200	.0287	-.7145	-.3642	-.3002							-.0926	.2677	.2204
90.000		.1526	-.0253	-.7603	-.5706	-.1959	-.0885	-.0461	-.1581	.0624	.2402	-.1850	-.0699	.1120	.0422
135.000		.1317	-.0022	-.7625	-.6136	-.1261							-.0665	.1169	.0461
180.000	1.1630	.1249	-.0114	-.7592	-.3037	-.2923	.0300	-.0492	-.0474	.1193	.1887	-.2939	-.127	.0865	.0546
225.000		.0750	-.1630	-.5717	-.4202	-.4501	.0182						-.24	-.1811	-.1392
270.000		.1971	.0734		-.4228	-.4080	-.0236	-.0173			.3666	-.3564	-.3023	-.2300	-.1745
315.000		.5216	.3122	-.2644	-.1480	-.1549	-.0544						-.2274	-.0110	.0431

X/LS	.9580
PHI	
.000	.3071
45.000	.1270
90.000	-.0465
135.000	-.0524
180.000	.0114
225.000	-.1377
270.000	-.1659
315.000	.1062

ALPHAT(5) = 8.100 BETAT (5) = 8.420

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1350	.4791	.1958	-.5801	-.1911	-.2416	-.2369	-.0213	-.0851	-.0687	.1787	-.2705	-.1363	.4424	.4451
45.000		.2168	-.0359	-.7562	-.4056	-.4652							-.0411	.2428	.1658
90.000		.0828	-.0545	-.7884	-.5875	-.1956	-.0375	-.1096	-.1621	.0335	.2203	-.2170	-.0362	.1165	.0432
135.000		.0886	-.0091	-.7600	-.6141	-.0000							-.0498	.1339	.0901
180.000	1.1350	.0448	.0117	-.7553	-.3710	-.1731	.0103	-.0956	-.0487	.0954	.1667	-.3111	-.1677	.0326	.0251
225.000		-.0541	-.1059	-.5323	-.4788	-.3393	-.0028						-.2805	-.2101	-.1358
270.000		.0677	.6812		-.4850	-.5397	-.0491	-.0606			.3153	-.3935	-.3330	-.2537	-.1900
315.000		.4635	.3319	-.0693	-.1224	-.1333	-.0792						-.2148	.1649	.3173

X/LS	.9580
PHI	
.000	.3298
45.000	.0572
90.000	-.0634
135.000	.0031
180.000	-.0268

ARC11-T18 IA14 C5+T12+S12N25 SRM BOOSTER (RB1S47)

ALPHAT(5) = 8.100 BETAT (5) = 8.420

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1421
270.000	-.2240
315.000	.3182

ARC11-716 1A14 01+T12+S12N25 SRM BOOSTER (RB1S48) (14 FEB 74)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.100 ELEVON = .000
RUDDER = .000 SPDBRK = .000

ALPHAT(1) = -8.680 BETAT (1) = -8.260

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2630	.2359	-.0198	-.6863	-.4775	-.3667	-.3209	-.2812	-.4566	-.0902	.1121	-.3160	-.2515	-.0575	-.2112
45.000		.2429	-.0038	-.6859	-.5155	-.3025							-.2384	-.0334	.0080
90.000		.4114	.1370	-.6003	-.3419	-.1455	-.2472	-.4155	-.2703	-.2297	.0366	-.3250	-.2016	.1848	.3538
135.000		.6209	.3034	-.5222	.0786	.0081							-.0419	.3616	.5343
180.000	1.2630	.7048	.3313	-.4760	.2806	.2442	.1272	-.0357	-.1020	.1637	.2161	-.3455	-.0739	.1675	.3198
225.000		.6353	.3912	-.4176	.2594	.2594	.1526						-.3164	-.2069	-.2748
270.000		.3687	.7163		-.6095	-.4236	-.1696	-.0762			.3200	-.4229	-.3607	-.3371	-.3110
315.000		.2328	-.1970	-.6301	-.6063	-.5895	-.0876						-.3680	-.3277	-.3138

X/LS	.9580
PHI	
.000	-.3003
45.000	-.0799
90.000	.2375
135.000	.3741
180.000	.1390
225.000	-.2772
270.000	-.2770
315.000	-.2992

ALPHAT(1) = -8.660 BETAT (2) = -4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2460	.2105	.0210	-.6861	-.4649	-.3311	-.2308	-.1858	-.3543	-.1787	.0852	-.3669	-.2492	.0313	-.1050
45.000		.2047	-.0060	-.6895	-.5389	-.2524							-.1483	.0064	-.0098
90.000		.3300	.0819	-.6406	-.3822	-.2294	-.3164	-.4779	-.3483	-.2098	.0295	-.3190	-.0766	.2029	.3130
135.000		.5595	.2496	-.5547	.0327	-.0126							-.0067	.3377	.4599
180.000	1.2460	.7053	.3326	-.4634	.2062	.1615	.0386	-.1110	-.1825	.1034	.0161	-.3837	-.0975	.1166	.1958
225.000		.6497	.4008	-.3814	.1530	.2041	.0927						-.3064	-.2332	-.2708
270.000		.3612	.6831		-.5996	-.4524	-.1500	-.0770			.3070	-.4048	-.3491	-.3119	-.2859
315.000		.1837	-.2248	-.6070	-.6088	-.5405	-.0619						-.3338	-.1765	-.2269

X/LS	.9580

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1S48)

ALPHAT (1) = -8.660 BETAT (2) = -4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
.000	-.1941
45.000	-.0735
90.000	.2056
135.000	.3209
180.000	.1104
225.000	-.2748
270.000	-.2596
315.000	-.2202

ALPHAT (1) = -8.610 BETAT (3) = .020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8030	.8900	.9170	.9390
PHI															
.000	1.2210	.1685	-.0151	-.6801	-.4511	-.2971	-.1620	-.1404	-.1261	-.0213	.1065	-.3509	-.2894	.0474	-.0577
45.000		.1642	-.0036	-.6862	-.5481	-.2245							-.1736	.0205	-.0195
90.000		.2521	.0346	-.6695	-.3450	-.3046	-.3771	-.4693	-.3352	-.2070	.0750	-.2881	-.1377	.1291	.1985
135.000		.4929	.1736	-.5977	-.0725	-.1377							-.1237	.1859	.3175
180.000	1.2210	.6844	.3200	-.4472	.1326	.0759	-.0370	-.2352	-.2592	.0324	-.0766	-.4033	-.2463	-.0917	.0416
225.000		.6392	.4282	-.2255	.1692	.1633	.0010						-.3321	-.2881	-.2504
270.000		.2896	.6543		-.6194	-.4717	-.1464	-.0824			.2308	-.4051	-.3779	-.3453	-.2923
315.000		.1202	-.2347	-.6020	-.6243	-.5157	-.0640						-.3519	-.0870	-.1874

X/LS .9580

PHI	
.000	-.1349
45.000	-.0271
90.000	.1392
135.000	.2442
180.000	.0529
225.000	-.2259
270.000	-.2726
315.000	-.1694

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1S48)

ALPHAT(1) = -8.630 BETAT (4) = 4.130

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1900	.3964	-.0185	-.6887	-.4260	-.2975	-.1152	-.0970	-.1058	-.0014	.2129	-.2953	-.3177	.2544	.2185
45.000		.1363	-.0018	-.6765	-.5522	-.2002							-.2230	.1145	.0378
90.000		.1834	-.0130	-.6876	-.3586	-.3720	-.4010	-.4089	-.2579	-.0768	.0613	-.3188	-.1184	.0311	.0566
135.000		.4020	.1006	-.6197	-.1901	-.2805							-.1677	.0627	.1374
180.000	1.1900	.6159	.3171	-.4348	.0652	-.0114	-.1230	-.3204	-.2835	-.0317	-.0851	-.3889	-.3189	-.2015	-.1025
225.000		.6040	.4313	.1534	.1898	.1287	.0299						-.3444	-.3100	-.2825
270.000		.1690	.6419		-.6165	-.4672	-.1705	-.0964			.1177	-.4180	-.3973	-.3494	-.3037
315.000		.0307	-.2135	-.5810	-.6191	-.5111	-.1015						-.3665	-.1085	-.1475

X/LS	.9580
PHI	
.000	.1832
45.000	-.0338
90.000	-.0037
135.000	.1020
180.000	-.0945
225.000	-.2603
270.000	-.2774
315.000	-.1151

ALPHAT(1) = -8.660 BETAT (5) = 8.330

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1960	.0112	-.0079	-.6732	-.4161	-.2933	-.1004	-.0640	-.1054	-.0104	.2328	-.3320	-.2889	.2608	.3600
45.000		.0730	-.0053	-.6777	-.5522	-.1891							-.3089	.2673	.2045
90.000		.1057	-.0568	-.7144	-.4002	-.4171	-.3660	-.3657	-.3202	-.0792	.0838	-.3192	-.1217	.1450	.0777
135.000		.3163	.0153	-.6666	-.2050	-.4169							-.1613	-.0259	-.0373
180.000	1.1960	.6477	.3138	-.4402	.0221	-.0853	-.2152	-.4100	-.2790	-.0915	-.0756	-.3981	-.2853	-.2025	-.2032
225.000		.6006	.5257	.2771	.2127	.1187	-.0079						-.3587	-.3309	-.2902
270.000		.0458	.6212		-.6100	-.4044	-.1953	-.1028			-.1167	-.4434	-.4120	-.3583	-.3036
315.000		-.0943	-.2413	-.4886	-.6210	-.5030	-.1339						-.3546	-.0735	-.0482

X/LS	.9580
PHI	
.000	.2625
45.000	.0897
90.000	.0058
135.000	-.0873
180.000	-.2178

(RB1848)

ALPHAT(1) = -8.680 BETAT (5) = 9.330

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2691
270.000	-.2788
315.000	-.0279

ALPHAT(2) = -4.450 BETAT (1) = -8.280

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4890	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3150	.5268	.0499	-.6648	-.5028	-.3054	-.1709	-.0972	-.1022	-.0133	.2280	-.2612	-.3085	-.0803	-.1522
45.000		.5647	.1017	-.6378	-.4492	-.1400							-.3886	.0499	.1161
90.000		.4861	.2091	-.5795	-.3259	-.0084	-.0888	-.1482	-.1638	-.0258	.2139	-.2305	-.3211	.2121	.3792
135.000		.5715	.2639	-.5554	-.2755	.1586							-.2404	.2648	.5111
180.000	1.3150	.5733	.2504	-.5740	-.1[illegible]	.2396	.1398	-.0255	-.0762	.1701	.3586	-.3141	-.1063	.1147	.3202
225.000		.5489	.2001	-.5025	-.4914	.2452	.1405						-.3019	-.1962	-.2628
270.000		.4773	.0189		-.5067	-.5130	-.1149	-.0543			.4094	-.4047	-.3557	-.3290	-.2878
315.000		.3558	-.0134	-.6738	-.5665	-.5141	-.0009						-.3344	-.2177	-.2729

X/LS .9580

PHI	
.000	-.2263
45.000	.0271
90.000	.2714
135.000	.3596
180.000	.1494
225.000	-.2744
270.000	-.2526
315.000	-.2752

ALPHAT(2) = -4.430 BETAT (2) = -4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4890	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3040	.5042	.0579	-.6439	-.4555	-.2740	-.1004	-.0834	-.1214	-.0411	.1662	-.2429	-.2287	.0023	-.0754
45.000		.5271	.0976	-.6398	-.4755	-.1016							-.2909	.1052	.1327
90.000		.4192	.1869	-.6039	-.3832	-.0596	-.1142	-.1587	-.1874	-.0395	.1974	-.2154	-.2314	.2284	.3533
135.000		.5134	.2347	-.5730	-.3030	.0590							-.0568	.2668	.4310
180.000	1.3040	.5652	.2590	-.5606	-.1388	.1652	.0775	-.0807	-.1379	.1179	.2622	-.3255	-.0994	.1134	.2209
225.000		.5574	.3016	-.4723	-.3997	.1904	.0952						-.2826	-.1908	-.2235

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1948)

ALPHAT(2) = -4.430 BETAT (2) = -4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0960	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4615	.8015		-.5339	-.5106	-.1103	-.0424			.3504	-.3676	-.3278	-.2987	-.2595
315.000		.3291	-.0175	-.8717	-.5313	-.5010	-.0308						-.2895	-.1069	-.1861

X/LS	.9580
PHI	
.000	-.1317
45.000	.0552
90.000	.2483
135.000	.3171
180.000	.1252
225.000	-.2318
270.000	-.2279
315.000	-.2292

ALPHAT(2) = -4.340 BETAT (3) = .020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0960	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2790	.2801	.0633	-.6500	-.4292	-.2552	-.0568	-.0519	-.0879	-.0287	.1703	-.2559	-.2161	.0526	.0014
45.000		.2908	.0915	-.6440	-.4866	-.0812							-.1915	.1163	.1234
90.000		.3513	.1301	-.6292	-.4289	-.0891	-.1400	-.1913	-.1777	-.0389	.1762	-.2074	-.1875	.2104	.2801
135.000		.4592	.1964	-.5968	-.3142	-.0268							-.0823	.2585	.3590
180.000	1.2790	.5544	.2591	-.5547	-.1100	.0842	-.0014	-.1721	-.2005	.0593	.1083	-.3482	-.1377	.0772	.1532
225.000		.5509	.3214	-.4277	-.3078	.1290	.0429						-.2903	-.2268	-.2140
270.000		.4297	.7896		-.5336	-.5122	-.1368	-.0603			.2650	-.3635	-.3477	-.3121	-.2556
315.000		.2966	-.0155	-.6666	-.5344	-.4872	-.0682						-.2975	-.0697	-.1875

X/LS	.9580
PHI	
.000	-.0728
45.000	.0992
90.000	.1989
135.000	.2572
180.000	.0860
225.000	-.2074
270.000	-.2542
315.000	-.1649

ARC11-716 TA14 01+T12+S12N25 SRM BOOSTER (RB1348)

ALPHAT(2) = -4.340 BETAT (4) = 4.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.201	.2870	.3730	.4890	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2470	.2217	.0870	-.6474	-.4433	-.2470	-.0412	-.0360	-.0734	.0092	.2485	-.2605	-.2815	.1821	.2181
45.000		.2388	.0765	-.6469	-.5005	-.0973							-.2431	.2910	.1604
90.000		.2759	.0934	-.6447	-.4682	-.1275	-.1061	-.1918	-.1641	.0012	.1732	-.2303	-.0952	.1386	.1490
135.000		.3619	.1427	-.6203	-.3028	-.1442							-.0782	.1156	.1512
180.000	1.2470	.4856	.2590	-.5347	-.0539	-.0023	-.0579	-.2252	-.1875	.0162	.0578	-.3476	-.2149	-.0769	-.0180
225.000		.4907	.3449	-.3855	-.1459	.0919	.0107						-.2932	-.2570	-.2311
270.000		.5123	.8137		-.5948	-.5109	-.1952	-.0902			.1877	-.3904	-.3530	-.3061	-.2526
315.000		.2078	.0179	-.6365	-.5717	-.4285	-.1180						-.3008	-.0904	-.1124

X/LS	.9580
PHI	
.000	.1674
45.000	.0817
90.000	.0660
135.000	.0964
180.000	-.0424
225.000	-.2119
270.000	-.2595
315.000	-.0755

ALPHAT(2) = -4.390 BETAT (5) = 8.270

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4890	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.2120	.0952	.0709	-.6477	-.4669	-.1587	-.0471	-.0244	-.0746	.0055	.2602	-.2656	-.2294	.2591	.3214
45.000		.1423	.0506	-.6377	-.5086	-.0475							-.2324	.3455	.3422
90.000		.1665	.0864	-.6651	-.4345	-.1340	-.1137	-.1849	-.1817	-.0138	.1601	-.2542	-.0799	.2301	.1439
135.000		.2425	.1017	-.6473	-.2655	-.2756							-.0870	.1100	.0770
180.000	1.2120	.4057	.2864	-.5032	-.0367	-.0784	-.1771	-.2480	-.1469	-.0242	-.0010	-.3692	-.2322	-.1244	-.1422
225.000		.4248	.3418	-.2525	.1006	.0124	-.						-.3320	-.2849	-.2490
270.000		.1703	.8127		-.6428	-.5412	-.1467	-.1078			.0841	-.4112	-.3775	-.3181	-.2472
315.000		.0653	.0657	-.8193	-.5592	-.2507	-.1278						-.2952	-.0547	-.0166

X/LS	.9580
PHI	
.000	.2298
45.000	.2364
90.000	.0713
135.000	.0085
180.000	-.1762

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1S48)

ALPHAT(2) = -4.390 BETAT (5) = 8.270

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2321
270.000	-.2516
315.000	-.0031

ALPHAT(3) = -.640 BETAT (1) = -8.320

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.090	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.5220	.4155	.1196	-.6234	-.4591	-.2133	-.0612	-.0598	-.0477	.0399	.2879	-.2412	-.3690	-.0014	-.0359
45.000		.4550	.1720	-.5978	-.3650	-.1540							-.3023	.1521	.2150
90.000		.5091	.2360	-.5656	-.3172	-.0924	.0904	.0020	-.0418	.0702	.3283	-.1208	-.2568	.2852	.3910
135.000		.4945	.2243	-.5817	-.3536	.1155							-.3857	.2413	.4610
180.000	1.5220	.4505	.1933	-.6139	-.3829	.0287	.1836	.0171	-.0492	.1950	.4179	-.2915	-.1426	.0875	.2876
225.000		.4713	.1859	-.5715	-.4163	-.1656	.2100						-.2819	-.1805	-.2400
270.000		.5055	.2592		-.4960	-.5865	-.2172	-.0650			.4349	-.3819	-.3408	-.3195	-.2660
315.000		.4417	.1122	-.5939	-.4315	-.3771	-.0369						-.3104	-.1792	-.2595

X/LS .9580

PHI	
.000	-.1145
45.000	.1363
90.000	.2937
135.000	.3227
180.000	.1343
225.000	-.2480
270.000	-.2388
315.000	-.2632

ALPHAT(3) = -.620 BETAT (2) = -4.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0900	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3140	.3925	.1245	-.6275	-.4163	-.2255	-.0149	-.0343	-.0423	-.0214	.2784	-.2413	-.2886	.0474	.0230
45.000		.4067	.1568	-.6115	-.4229	-.1313							-.2768	.1864	.2289
90.000		.4395	.1977	-.5959	-.3799	-.0214	.0798	-.0167	-.0725	.0319	.3129	-.1386	-.2742	.2641	.3491
135.000		.4482	.2063	-.5991	-.3662	.0475							-.2823	.2477	.3983
180.000	1.3140	.4486	.1938	-.6083	-.3406	.0298	.1300	-.0277	-.1055	.1397	.3618	-.3026	-.1338	.1102	.1971
225.000		.4742	.1996	-.5991	-.3558	-.2259	.1481						-.2755	-.1826	-.1967

ARC11-716 TA14 01+712+012N25 SRM BOOSTER (RB1548)

ALPHAT ($) = -.620 BETAT ($) = -4.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.5012	.8534		-.4670	-.4796	-.2099	-.0633			.4037	-.3505	-.3225	-.2966	-.2508
315.000		.4309	.1168	-.5935	-.4125	-.3666	-.0849						-.2909	-.1721	-.2327

X/LS	.9580
PHI	
.000	-.0388
45.000	.1552
90.000	.2812
135.000	.2916
180.000	.1039
225.000	-.2055
270.000	-.2209
315.000	-.2459

ALPHAT ($) = -.810 BETAT ($) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2980	.3696	.1271	-.6235	-.3682	-.2372	-.0016	-.0035	-.0510	-.0376	.2530	-.2560	-.2185	.0767	.0664
45.000		.3638	.1368	-.6154	-.4373	-.0971							-.1763	.1532	.2003
90.000		.3761	.1525	-.6124	-.4239	.0067	.0349	-.0479	-.0951	.0190	.2807	-.1610	-.1930	.3023	.2728
135.000		.4042	.1822	-.6075	-.4060	.1742							-.1414	.2239	.3166
180.000	1.2960	.4421	.1909	-.6024	-.2411	.0304	.0692	-.0377	-.1472	.0880	.2401	-.3179	-.1132	.0891	.1354
225.000		.4694	.2203	-.5331	-.3534	-.1779	.0951						-.2713	-.1727	-.1771
270.000		.4923	.8455		-.4930	-.4446	-.0930	-.0066			.3804	-.3076	-.3277	-.2751	-.2291
315.000		.4265	.1272	-.5926	-.3997	-.3918	-.0170						-.2760	-.1264	-.1805

X/LS	.9580
PHI	
.000	.0335
45.000	.1355
90.000	.1977
135.000	.2188
180.000	.0726
225.000	-.1814
270.000	-.2189
315.000	-.1799

AR211-716 IA14 01+712+812N25 SRM BOOSTER (RB1548)

ALPHAT(3) = -.610 BETAT (4) = 4.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2740	.3471	.1241	-.6206	-.3557	-.2676	-.0186	-.3049	-.0599	.0109	.2479	-.2388	-.1671	.1906	.2306
45.000		.3254	.1129	-.6255	-.4603	-.0996							-.1532	.2290	.2206
90.000		.3215	.1229	-.6295	-.4643	-.0196	.0149	-.0685	-.1210	.0573	.2135	-.1835	-.1464	.2765	.2245
135.000		.3559	.1421	-.6235	-.4253	-.0693							-.0536	.2148	.2295
180.000	1.2740	.4099	.1852	-.5906	-.0619	-.0693	.0024	-.1631	-.1440	.0613	.1593	-.3266	-.1259	.0339	.0265
225.000		.4479	.2100	.4875	-.3497	-.1128	.0431						-.2692	-.1991	-.1963
270.000		.4509	.631		-.5594	-.2603	-.0095	-.0703			.2892	-.3737	-.3184	-.2677	-.2124
315.000		.3+ 7	.1832	-.5499	-.3959	-.3564	-.0201						-.2569	-.0571	-.0670

X/LS	.9580
PHI	
.000	.1662
45.000	.1597
90.000	.1415
135.000	.1435
180.000	-.0295
225.000	-.2009
270.000	-.1703
315.000	-.0352

ALPHAT(3) = -.620 BETAT (5) = 8.290

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2390	.2921	.1093	-.6253	-.3633	-.2926	-.0447	-.0164	-.0479	-.0088	.2623	-.2190	-.2216	.3450	.3168
45.000		.2569	.0810	-.6462	-.4769	-.1036							-.1507	.2850	.2587
90.000		.2519	.0841	-.6522	-.4913	-.0362	-.0156	-.0977	-.1093	.0249	.2096	-.2039	-.1019	.2937	.2329
135.000		.2738	.1048	-.6489	-.4313	-.1527							-.0589	.1716	.1080
180.000	1.2361	.3457	.1958	-.5843	-.2175	-.0941	-.0594	-.2179	-.1050	.0199	.0778	-.3516	-.1977	-.0700	-.1019
225.000		.4006	.2632	-.4781	-.2241	.0883	-.0372						-.3004	-.2501	-.2121
270.000		.3661	.0781		-.5736	-.1557	-.0815	-.0895			.2249	-.4053	-.3521	-.2895	-.2102
315.000		.3354	.1694	-.5229	-.3871	-.2399	-.0495						-.2896	-.0278	-.0252

X/LS	.9580
PHI	
.000	.2345
45.000	.1680
90.000	.1536
135.000	.0319
180.000	-.1443

ARC11-718 IA14 O1+T12+S12N25 SRM BOOSTER (RB1S48)

ALPHAT(3) = -.620 BETAT (5) = 8.290

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2076
270.000	-.1935
315.000	.0034

ALPHAT(4) = 4.080 BETAT (1) = -8.450

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3090	.5294	.1955	-.5884	-.2524	-.1237	.0162	.0339	.0157	.0705	.3345	-.2073	-.3128	.1108	.0969
45.000		.5430	.2265	-.5601	-.3066	-.0740							-.2002	.2933	.3058
90.000		.4837	.2204	-.5715	-.3242	-.0913	.1070	.0862	.0248	.1155	.4013	-.0230	-.1969	.2916	.3353
135.000		.3782	.1452	-.6276	-.4401	-.0539							-.3654	.1385	.3379
180.000	1.3090	.3342	.0952	-.6574	-.2257	-.2311	.1539	.0603	-.0083	.2376	.4211	-.2779	-.3201	.0035	.2136
225.000		.3563	.0315	-.5252	-.2449	-.1790	.2092						-.2612	-.1397	-.1841
270.000		.4693	.8279		-.2537	-.1733	-.1223	-.1432			.3159	-.3654	-.3229	-.2822	-.2288
315.000		.5229	.2237	-.5130	-.2027	-.2519	-.0022						-.2895	-.1367	-.2447

X/LS .9580

PHI	
.000	.0215
45.000	.2448
90.000	.2829
135.000	.2420
180.000	.0938
225.000	-.2121
270.000	-.2113
315.000	-.2575

ALPHAT(4) = 4.090 BETAT (2) = -4.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3020	.5120	.1972	-.5860	-.2449	-.1510	.0004	.0314	.0099	.0051	.3042	-.1880	-.2147	.1596	.1406
45.000		.4706	.1967	-.5796	-.3524	-.1128							-.1776	.2873	.2944
90.000		.4038	.1803	-.5999	-.3916	-.0612	.0556	.0585	-.0215	.0149	.3495	-.0728	-.2233	.2444	.2753
135.000		.3413	.1424	-.6315	-.4639	-.0536							-.3012	.1298	.2437
180.000	1.3020	.3218	.1031	-.6340	-.2332	-.2051	.1250	.0336	-.0522	.1681	.3512	-.2852	-.1480	.0600	.1415
225.000		.3500	.0481	-.5794	-.2801	-.4324	.1505						-.2543	-.1633	-.1624

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1S48)

ALPHAT(4) = 4.090 BETAT (2) = -4.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4544	.8222		-.3070	-.4547	.0087	-.0368			.3570	-.3390	-.3016	-.2561	-.2050
315.000		.5185	.2347	-.5015	-.2490	-.3357	.0823						-.2549	-.1090	-.1841

X/LS	.9580
PHI	
.000	.0798
45.000	.2240
90.000	.2194
135.000	.1712
180.000	[illegible]
225.000	-.[illegible]
270.000	-.[illegible]
315.000	-.[illegible]

ALPHAT(4) = 4.120 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2840	.4909	.1923	-.5850	-.2450	-.1500	-.0100	.0227	-.0137	-.0340	.2779	-.1892	-.1836	.1883	.1876
45.000		.4133	.1633	-.5975	-.3915	-.1538							-.1455	.2549	.2546
90.000		.3400	.1454	-.6209	-.4336	-.0893	.0759	.0159	-.0753	.0053	.2931	-.1173	-.1407	.1782	.1772
135.000		.3164	.1309	-.6334	-.4735	-.0804							-.2209	.1741	.1988
180.000	1.2840	.3121	.1121	-.5413	-.2884	-.1296	.1211	-.0307	-.0878	.1267	.2950	-.2889	-.1416	.0911	.1023
225.000		.3398	.0629	-.6303	-.3694	-.4206	.1431						-.2452	-.1740	-.1552
270.000		.4424	.8187		-.4014	-.4588	-.0465	-.0711			.3527	-.3380	-.2953	-.2396	-.1945
315.000		.5021	.2459	-.4773	-.3144	-.2370	-.0065						-.2441	-.0805	-.1357

X/LS	.9580
PHI	
.000	.1357
45.000	.1841
90.000	.1215
135.000	.1081
180.000	.0377
225.000	-.1635
270.000	-.1787
315.000	-.1287

APC11-716 TA14 01+T12+S12N25 SRM BOOSTER (RB1948)

ALPHAT(4) = 4.110 BETAT (4) = 4.170

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2630	.4541	.1870	-.5790	-.2425	-.1760	-.0498	-.0099	-.0429	-.0341	.2431	-.2039	-.1927	.3015	.3055
45.000		.3481	.1243	-.6179	-.4097	-.2234							-.1309	.2519	.2443
90.000		.2876	.1115	-.6369	-.4755	-.0742	.0540	-.0211	-.1079	.0499	.2482	-.1628	-.0996	.1933	.1592
135.000		.2735	.1132	-.6309	-.4857	-.0343							-.1138	.2933	.2282
180.000	1.2630	.2722	.1239	-.6300	-.3401	-.1334	.0614	-.0809	-.0907	.0092	.2160	-.2989	-.0943	.0707	.0602
225.000		.2938	.0236	-.6102	-.4657	-.3003	.0619						-.2447	-.1735	-.1504
270.000		.3896	.0266		-.5427	-.3217	-.1078	-.0985			.3498	-.3681	-.2912	-.2297	-.1708
315.000		.4791	.2664	-.4076	-.3895	-.0709	-.0496						-.2346	-.0330	-.0370

X/LS	.9580
PHI	
.000	.2498
45.000	.1681
90.000	.0732
135.000	.1328
180.000	-.0005
225.000	-.1642
270.000	-.1589
315.000	-.0051

ALPHAT(4) = 4.110 BETAT (5) = 8.360

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2180	.3821	.1905	-.5594	-.2340	-.2331	-.0956	-.0349	-.0154	-.0260	.2097	-.2518	-.0957	.2726	.2828
45.000		.2440	.0722	-.6439	-.4292	-.2309							-.0760	.2569	.1905
90.000		.2119	.0753	-.6546	-.4363	-.0518	-.0104	-.0660	-.1076	.0183	.2422	-.1781	-.0376	.2178	.1450
135.000		.2123	.0917	-.6445	-.4963	-.0474							-.0073	.2792	.1955
180.000	1.2180	.2040	.1189	-.6343	-.3239	-.1735	.0056	-.1335	-.0660	.0651	.1591	-.3099	-.1044	.0668	.0115
225.000		.2163	.1182	-.5754	-.4239	-.2378	-.0286						-.2487	-.1544	-.1426
270.000		.2947	.0554		-.5295	-.1753	-.1014	-.1121			.3190	-.3926	-.3175	-.2209	-.1511
315.000		.4331	.2871	-.3779	-.2812	-.0698	-.0757						-.2082	.0247	.1273

X/LS	.9580
PHI	
.000	.2233
45.000	.0995
90.000	.0454
135.000	.1080
180.000	-.0524

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1848)

ALPHAT(4) = 4.110 BETAT (5) = 8.360

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1620
270.000	-.1598
315.000	.1441

ALPHAT(5) = 8.250 BETAT (1) = -4.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2510	.8332	.2583	-.5424	-.1745	-.0526	.0145	.0584	.0292	.0344	.2641	-.1602	-.1654	.2745	.2655
45.000		.3139	.2271	-.5616	-.2998	-.1283							-.1290	.3639	.3442
90.000		.3293	.1177	-.6295	-.4100	-.1880	-.0990	-.0103	-.0914	-.0265	.3167	-.0638	-.2026	.2063	.1615
135.000		.2200	.0543	-.6755	-.5172	-.1673							-.2983	.0921	.0721
180.000	1.2510	.2201	.0291	-.6820	-.2050	-.0691	.0167	.0159	-.0522	.1163	.3000	-.2629	-.1929	.0777	.0578
225.000		.2105	-.1521	-.7037	-.3072	.4467	.0000						-.2135	-.1103	-.1075
270.000		.3614	.7230		-.3103	-.3101	-.0315	-.0140			.2845	-.3493	-.2846	-.2303	-.1724
315.000		.2057	.3151	-.3847	-.2780	-.0009	.0335						-.2234	-.0497	-.1111

X/LS .9580

PHI	
.000	.1959
45.000	.2683
90.000	.1065
135.000	.0142
180.000	-.0343
225.000	-.1327
270.000	-.1632
315.000	-.1327

ALPHAT(5) = 8.290 BETAT (2) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2320	.5995	.2493	-.5381	-.1430	-.0748	-.0230	.0129	-.0061	-.0288	.2384	-.1688	-.1565	.3324	.3260
45.000		.4260	.1482	-.5949	-.3269	-.1902							-.1565	.3283	.2960
90.000		.2412	.0707	-.6563	-.4690	-.2075	-.0327	-.0400	-.1484	-.0463	.2687	-.1135	-.1596	.1544	.0995
135.000		.1695	.0514	-.6746	-.5417	-.1073							-.1800	.1119	.0768
180.000	1.2320	.1749	.0347	-.6663	-.3153	-.2458	.0532	-.0076	-.0594	.1041	.2765	-.2710	-.1471	.2154	.1245
225.000		.1503	-.1417	-.5090	-.3767	-.4541	.0425						-.2237	-.1381	-.1036

ARC11-716 IA14 O1+712+S12N25 SRM BOOSTER (RB1S48)

ALPHAT (5) = 8.290 BETAT (2) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3069	.6999		-.3726	-.2243	.0025	-.0409			.2739	-.3304	-.2560	-.1904	-.1368
315.000		.5690	.3351	-.3485	-.2279	-.0335	.0355						-.2082	-.0155	-.0532

X/LS .9580

PHI	
.000	.2591
45.000	.2194
90.000	.0386
135.000	-.0118
180.000	.0537
225.000	-.1184
270.000	-.1342
315.000	-.0516

ALPHAT (5) = 8.240 BETAT (3) = 4.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2010	.5842	.2418	-.5197	-.1369	-.1420	-.1238	-.0192	-.0273	-.0393	.2539	-.2321	-.1728	.3360	.3942
45.000		.3404	.0911	-.6232	-.3036	-.2914							-.1291	.2628	.2419
90.000		.1701	.0362	-.6733	-.4970	-.1721	-.0926	-.0376	-.1322	.0279	.2512	-.1549	-.0854	.1418	.0811
135.000		.1524	.0524	-.6091	-.5346	-.0005							-.0905	.1446	.0816
180.000	1.2010	.1494	.0423	-.5697	-.3043	-.2429	.0626	-.0184	-.0571	.1099	.2093	-.2858	-.0996	.1172	.0861
225.000		.1015	-.1135	-.5039	-.3652	-.3095	.0539						-.2415	-.1672	-.1296
270.000		.2227	.7145		-.3751	-.3934	-.0033	-.0037			.3995	-.3449	-.2920	-.2293	-.1596
315.000		.5360	.3591	-.1980	-.2378	-.0945	-.0062						-.2245	.0114	.0694

X/LS .9580

PHI	
.000	.3262
45.000	.1611
90.000	-.0082
135.000	-.0112
180.000	.0346
225.000	-.1346
270.000	-.1583
315.000	.1345

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1S48)

ALPHAT(5) = 8.180 BETAT (4) = 8.410

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1605	.5218	.2237	-.5041	-.1391	-.1879	-.2034	-.0755	-.0632	-.0638	.2033	-.2364	-.1729	.4334	.4601
45.000		.2764	.0164	-.6605	-.3455	-.3982							-.1282	.2355	.1870
90.000		.1119	-.0005	-.6810	-.5194	-.1690	-.1052	-.1059	-.1194	-.0286	.2338	-.1768	-.0597	.1658	.0787
135.000		.0311	.0444	-.6543	-.5320	-.0757							-.0403	.1532	.1171
180.000	1.1605	.0667	.0496	-.6570	-.3152	-.1839	.0253	-.0770	-.0510	.0744	.1916	-.2854	-.1398	.0658	.0512
225.000		.0441	-.0725	-.4743	-.4365	-.1732	.0055						-.2706	-.1939	-.1235
270.000		.1113	.7005		-.4317	-.5085	-.0553	-.0644			.3426	-.3603	-.3164	-.2363	-.1954
315.000		.0540	.3974	-.0795	-.0842	-.0795	-.0460						-.2295	.2188	.3606

X/LS	.9590
PHI	
.000	.3529
45.000	.0963
90.000	-.0137
135.000	.0328
180.000	-.0007
225.000	-.1242
270.000	-.1995
315.000	.3606

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1349) (14 FEB 74)

REFFRENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.150 ELEVON = .000
RUDDER = .000 SPDBRK = .000

ALPHAT(1) = -8.570 BETAT (1) = -8.230

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2960	.2431	.0026	-.6205	-.4878	-.3588	-.3816	-.3390	-.4643	-.0987	.1110	-.2765	-.2499	-.0387	-.1582
45.000		.2491	.0322	-.6152	-.4789	-.3302							-.3093	-.0562	.0256
90.000		.4206	.1822	-.5346	-.3138	-.1155	-.2634	-.3733	-.3185	-.1318	-.2439	-.3004	-.2548	.1146	.3958
135.000		.6193	.3408	-.4602	-.1625	.1335							-.1576	.2553	.6151
180.000	1.2960	.6928	.3629	-.4424	.0455	.2762	.1620	-.0169	-.0794	.2069	.1867	-.3087	-.0813	.0915	.4124
225.000		.6226	.3998	-.3579	-.2006	.2954	.1876						-.2847	-.1872	-.2538
270.000		.4019	.7564		-.5903	-.3629	-.2437	-.0376			.3377	-.4002	-.3369	-.3158	-.2905
315.000		.2461	-.1639	-.6823	-.5889	-.5730	-.1102						-.3375	-.2882	-.2873

X/LS	.9580
PHI	
.000	-.2498
45.000	-.0405
90.000	.2858
135.000	.4405
180.000	.2050
225.000	-.2474
270.000	-.2587
315.000	-.2711

ALPHAT(1) = -8.550 BETAT (2) = -4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2810	.1964	-.0120	-.6193	-.4720	-.3645	-.2865	-.1921	-.2769	-.1320	.0713	-.2941	-.2852	.0819	-.0640
45.000		.1892	.0194	-.6214	-.5075	-.2939							-.1983	.0202	.0238
90.000		.3187	.1219	-.5710	-.3791	-.2053	-.3451	-.4583	-.3017	-.1182	.0348	-.2487	-.2194	.1769	.3492
135.000		.5363	.2756	-.4947	-.1974	.0149							-.0773	.3215	.5230
180.000	1.2810	.6699	.3612	-.4383	.0614	.1974	.0659	-.0985	-.1553	.1444	.0264	-.3245	-.1010	.1306	.2827
225.000		.6162	.4181	-.3189	-.2152	.2317	.1239						-.2773	-.2002	-.2363
270.000		.3583	.7258		-.6031	-.3899	-.2331	-.0706			.3142	-.3673	-.3201	-.2888	-.2504
315.000		.1826	-.2131	-.6513	-.6033	-.5593	-.1049						-.3077	-.0961	-.1724

X/LS	.9580

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1349)

ALPHAT(1) = -8.550 BETAT (2) = -4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
.000	-.1456
45.000	-.0363
90.000	.2493
135.000	.3773
180.000	.1658
225.000	-.2376
270.000	-.2320
315.000	-.1955

ALPHAT(1) = -8.530 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2570	.1189	-.0089	-.6100	-.4437	-.3191	-.1804	-.1481	-.0974	.0290	.1499	-.2887	-.2638	.0855	-.0324
45.000		.1298	.0133	-.6165	-.5137	-.2499							-.1487	.0396	.0066
90.000		.2190	.0661	-.5975	-.4270	-.2856	-.3809	-.5201	-.3365	-.1047	.0796	-.2632	-.1298	.1390	.2281
135.000		.4453	.2107	-.5238	-.1138	-.1130							-.1154	.1889	.3497
180.000	1.2570	.6332	.3570	-.4076	.0946	.0087	-.0252	-.1908	-.2507	.0837	-.0057	-.3549	-.2264	-.0939	.0562
225.000		.5889	.4443	-.2255	-.0392	.1923	.0711						-.2954	-.2485	-.2165
270.000		.2562	.7042		-.6068	-.4186	-.1903	-.0843			.2788	-.3740	-.3429	-.3005	-.2521
315.000		.0930	-.2279	-.6190	-.6080	-.5210	-.1044						-.3248	-.0653	-.1616

X/LS .9580

PHI	
.000	-.1084
45.000	-.0678
90.000	.1716
135.000	.2847
180.000	.0824
225.000	-.1930
270.000	-.2415
315.000	-.1563

ARC11-718 TA14 C1+T12+S12N25 - BOOSTER (RB1549)

ALPHAT(1) = -8.540 BETAT (4) = 4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2170	.0030	.0014	-.6171	-.4193	-.2906	-.0843	-.0817	-.0695	-.0185	.2308	-.2727	-.3006	.2379	.2163
45.000		.0646	.0168	-.6123	-.5127	-.2043							-.2362	.1290	.0386
90.000		.1328	.0102	-.6262	-.4122	-.3503	-.3612	-.3848	-.2389	-.0998	.0891	-.2969	-.1296	.0342	.0725
135.000		.3269	.1242	-.5657	-.1691	-.2510							-.1885	.0626	.1712
180.000	1.2170	.5700	.3475	-.3778	.1043	.0030	-.0828	-.2577	-.2773	-.0244	-.0510	-.3528	-.2472	-.1797	-.0723
225.000		.5407	.4711	.0296	.2261	.1451	.0269						-.2957	-.2667	-.2360
270.000		.1084	.7072		-.5099	-.4310	-.1522	-.0663			.1405	-.3891	-.3679	-.3185	-.2785
315.000		-.0830	-.1896	-.5838	-.5955	-.4995	-.0930						-.3324	-.0917	-.1022

X/LS	.9580
PHI	
.000	.1834
45.000	-.0152
90.000	.0267
135.000	.1296
180.000	-.0514
225.000	-.2205
270.000	-.2633
315.000	-.0775

ALPHAT(1) = -8.570 BETAT (5) = 9.280

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2150	-.0594	.0116	-.6020	-.3962	-.2366	-.0756	-.0476	-.0738	-.0154	.2464	-.3199	-.2672	.2298	.3778
45.000		.0370	.0169	-.6073	-.5031	-.1698							-.3316	.2043	.2271
90.000		.0846	-.0188	-.6404	-.3911	-.4121	-.3197	-.3699	-.3510	-.0673	.0700	-.2970	-.1477	.1390	.0744
135.000		.2435	.0756	-.5873	-.2437	-.3689							-.1633	-.0275	-.0227
180.000	1.2150	.5191	.3951	-.3418	.1019	-.0279	-.1571	-.3520	-.3543	-.0354	-.0727	-.3902	-.2759	-.1961	-.1841
225.000		.4873	.4948	.3321	.2897	.1296	.0054						-.3330	-.2995	-.2687
270.000		-.0159	.6591		-.5796	-.4369	-.1898	-.0911			-.0161	-.4113	-.3890	-.3383	-.2839
315.000		-.2140	-.1393	-.4695	-.5947	-.4393	-.1217						-.3357	-.0333	-.0094

X/LS	.9580
PHI	
.000	.2934
45.000	.1226
90.000	.0074
135.000	-.0730
180.000	-.1906

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1S49)

ALPHAT(1) = -8.570 BETAT (5) = 8.280

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2462
270.000	-.2599
315.000	.0099

ALPHAT(2) = -4.410 BETAT (1) = -8.260

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3410	.3227	.0902	-.5952	-.4671	-.3438	-.1527	-.0574	-.0686	-.0324	.2044	-.2366	-.3482	-.0557	-.1130
45.000		.3630	.1468	-.5573	-.4029	-.2569							-.3582	.0223	.1268
90.000		.4814	.2568	-.5016	-.2897	-.0391	-.0640	-.1920	-.1374	.0427	.2293	-.1859	-.2893	.1790	.3959
135.000		.5612	.3059	-.4833	-.2546	.1750							-.3560	.1993	.5653
180.000	1.3410	.5605	.2855	-.5042	-.2182	.2789	.1770	.0029	-.0454	.2036	.3836	-.2576	-.1657	.0579	.4117
225.000		.5413	.3123	-.4365	-.4017	.2670	.1899						-.2758	-.1742	-.2357
270.000		.4769	.3590		-.5640	-.5201	-.2077	-.0343			.4145	-.3721	-.3302	-.3013	-.2603
315.000		.3591	.0305	-.5979	-.5594	-.5153	-.0353						-.3094	-.1695	-.2433

X/LS .9580

PHI	
.000	-.1808
45.000	.0587
90.000	.3026
135.000	.4178
180.000	.2256
225.000	-.2293
270.000	-.2526
315.000	-.2466

ALPHAT(2) = -4.320 BETAT (2) = -4.210

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3270	.2828	.0643	-.5782	-.4622	-.3306	-.1009	-.0884	-.0597	-.0407	.1753	-.2061	-.2669	.0157	-.0320
45.000		.3022	.1340	-.5655	-.4346	-.2066							-.3109	.1057	.1606
90.000		.3888	.2072	-.5310	-.3531	-.0837	-.1052	-.1555	-.1917	.0292	.2389	-.1800	-.2770	.2079	.3677
135.000		.4860	.2698	-.5049	-.2984	.0915							-.2070	.2355	.5011
180.000	1.3270	.5316	.2890	-.4994	-.1791	.1973	.0962	-.0674	-.1131	.0525	.2905	-.2639	-.0857	.1324	.3088
225.000		.5290	.3289	-.4226	-.4503	.1754	.1246						-.2522	-.1502	-.1822

ARC11-716 IA14 C1+T12+S12N25 SRM BOOSTER (RB1349)

ALPHAT (2) = -4.320 BETAT (2) = -4.210

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.4486	.8442		-.5430	-.5377	-.1998	-.0609			.3635	-.3319	-.2960	-.2649	-.2234
315.000		.3193	.0127	-.6070	-.5432	-.5101	-.0745						-.2715	-.0571	-.1479

X/LS	.9580
PHI	
.000	-.1160
45.000	.0082
90.000	.2831
135.000	.3892
180.000	.1834
225.000	-.1963
270.000	-.1995
315.000	-.1835

ALPHAT (2) = -4.320 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3030	.2337	.0852	-.5777	-.4439	-.3215	-.0592	-.0819	-.0274	.0018	.2032	-.2252	-.2126	.0752	.0312
45.000		.2310	.1197	-.5722	-.4506	-.1621							-.1907	.1264	.1467
90.000		.2929	.1605	-.5579	-.4013	-.1215	-.1454	-.1740	-.2013	.0088	.1946	-.1732	-.2155	.2077	.3137
135.000		.4105	.2285	-.5296	-.3247	-.0172							-.1051	.2384	.4243
180.000	1.3030	.5116	.2900	-.4959	-.2199	.1052	.0108	-.1462	-.1723	.1199	.1205	-.3082	-.1512	.0935	.1955
225.000		.5261	.3533	-.3918	-.3695	.1338	.0673						-.2649	-.2027	-.1883
270.000		.4060	.8267		-.5393	-.4552	-.1644	-.0959			.2935	-.3307	-.3106	-.2706	-.2207
315.000		.2620	.0092	-.6112	-.5409	-.5018	-.1						-.2683	-.0453	-.1520

X/LS	.9580
PHI	
.000	-.0413
45.000	.0890
90.000	.2455
135.000	.3192
180.000	.1557
225.000	-.1720
270.000	-.2065
315.000	-.1546

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1849)

ALPHAT(2) = -4.320 BETAT (4) = 4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2770	.1445	.0875	-.5807	-.4202	-.3000	-.0141	-.0288	-.0225	-.0182	.2579	-.2280	-.2591	.1802	.2330
45.000		.1071	.1035	-.5737	-.4515	-.1221							-.2715	.2739	.1679
90.000		.2059	.1200	-.5763	-.4400	-.1500	-.0563	-.1665	-.1475	-.0119	.1682	-.1887	-.1431	.1479	.1657
135.000		.3151	.1752	-.5581	-.3219	-.1446							-.1040	.1375	.1906
180.000	1.2770	.4451	.2769	-.4908	-.1048	-.0258	-.0490	-.1752	-.2024	.0172	.0514	-.3087	-.1914	-.0462	.0136
225.000		.4728	.3693	-.3239	-.2530	.0920	.0093						-.2603	-.2257	-.1867
270.000		.5031	.4076		-.5573	-.4725	-.1594	-.0777			.2046	-.3489	-.3189	-.2728	-.2255
315.000		.4672	.3250	-.5902	-.5422	-.4457	.1141						-.2760	-.0585	-.0731

X/LS	.9590
PHI	
.000	.1925
45.000	.1033
90.000	.0939
135.000	.1333
180.000	-.0075
225.000	-.1799
270.000	-.2077
315.000	-.0396

ALPHAT(2) = -4.330 BETAT (5) = 8.260

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2280	.0819	.1007	-.5714	-.4157	-.2108	-.0568	-.0204	-.0425	.0066	.2592	-.2594	-.2180	.2377	.3270
45.000		.1282	.0919	-.5648	-.4533	-.0894							-.1991	.3206	.3350
90.000		.1670	.0951	-.5888	-.4432	-.1538	-.0878	-.1747	-.1854	.0055	.1451	-.2472	-.1115	.2025	.1361
135.000		.2405	.1322	-.5731	-.2844	-.2371							-.0942	.0899	.0746
180.000	1.2280	.3912	.3179	-.4576	-.0209	-.0358	-.0988	-.2456	-.2147	.0055	.0053	-.3423	-.2256	-.1324	-.1320
225.000		.4373	.3761	-.3376	.0048	.0564	-.0431						-.3030	-.2667	-.2212
270.000		.1838	.0535		-.5803	-.4719	-.2222	-.0988			.1224	-.3754	-.3423	-.2941	-.2283
315.000		.0684	.0969	-.5520	-.5172	-.2550	-.1314						-.2930	-.0454	-.0035

X/LS	.9590
PHI	
.000	.2522
45.000	.2495
90.000	.0787
135.000	.0159
180.000	-.1597

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (R81349)

ALPHAT (2) = -4.330 BETAT (2) = 8.260

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9380

PHI	
225.000	.2069
270.000	-.2186
315.000	.0122

ALPHAT (3) = -.810 BETAT (1) = -8.270

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3490	.4186	.1617	-.1549	-.3968	-.2280	-.0426	-.0269	-.0216	.0218	.2911	-.2201	-.3853	-.0187	-.0111
45.000		.4999	.2198	-.5227	-.3419	-.1762							-.2738	.1257	.2074
90.000		.5109	.2814	-.4925	-.2786	-.1503	.0991	.0435	-.0224	.0843	.3547	-.0866	-.2191	.2487	.3883
135.000		.4939	.2662	-.5097	-.3179	-.1168							-.3289	.1629	.4888
180.000	1.3490	.4565	.2196	-.5485	-.3604	.0276	.2194	.0557	-.0167	.0250	.4518	-.2437	-.3802	.0117	.3744
225.000		.4727	.2198	-.5033	-.3953	-.3432	.2639						-.2767	-.1427	-.2004
270.000		.5097	.0973		-.4675	-.5103	-.3570	-.0506			.4406	-.3497	-.3190	-.2926	-.2425
315.000		.4900	.1553	-.5291	-.4069	-.3768	-.0733						-.2944	-.1498	-.2312

X/LS .9580

PHI	
.000	-.0785
45.000	.1550
90.000	.3226
135.000	.3692
180.000	.2260
225.000	-.2043
270.000	-.2204
315.000	-.2370

ALPHAT (3) = -.590 BETAT (2) = -4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3370	.3820	.1603	-.1564	-.3939	-.2428	-.0377	-.0441	-.0112	.0155	.3089	-.2150	-.3138	.0602	.0692
45.000		.3490	.1941	-.5386	-.3939	-.1732							-.2441	.1801	.2439
90.000		.4150	.2390	-.5233	-.3459	-.1001	.0477	.0053	-.0745	.0640	.3816	-.0815	-.2244	.2554	.3698
135.000		.4207	.2445	-.5283	-.3590	-.0831							-.3515	.1976	.4426
180.000	1.3370	.4214	.2249	-.5410	-.3395	-.0603	.1462	-.0035	-.0092	.1725	.4073	-.2436	-.1801	.0918	.2900
225.000		.4524	.0285	-.4941	-.3675	-.3118	.1782						-.2490	-.1356	-.1675

[illegible] SRM BOOSTER (R51849)

ALPHA(31 = -.590 BETA (2) = -4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LB	.0000	.0340	.0980	.1190	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4485	.8920		-.4599	-.4748	-.3327	-.0934			.4251	-.3142	-.2948	-.2635	-.2179
315.000		.4034	.1546	-.5201	-.4062	-.3264	-.1203						-.2625	-.1209	-.2038

X/LB .9580

PHI	
.000	.0117
45.000	.1804
90.000	.2337
135.000	.2379
180.000	.1777
225.000	-.1756
270.000	-.1923
315.000	-.2074

ALPHA(31 = -.590 BETA (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LB	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3170	.3404	.1647	-.5498	-.3701	-.2514	-.0176	-.0357	-.0303	.0310	.2624	-.2014	-.2460	.1040	.1362
45.000		.3150	.1794	-.5417	-.4020	-.1600							-.1986	.1774	.2284
90.000		.3209	.2015	-.5385	-.3771	-.1113	.0199	-.0187	-.1093	.1055	.3164	-.1125	-.2403	.2057	.2977
135.000		.3526	.2216	-.5353	-.3762	-.0426							-.3394	.1828	.1708
180.000	1.3170	.3874	.2330	-.5322	-.2340	-.0137	.0832	-.0530	-.1324	.1582	.3317	-.2667	-.1636	.0945	.0135
225.000		.4372	.2494	-.4710	-.3435	-.2365	.0901						-.2371	-.1353	-.1270
270.000		.4702	.8694		-.4452	-.4136	-.2576	-.1316			.3718	-.3143	-.2912	-.2486	-.1972
315.000		.4041	.1651	-.5080	-.3891	-.4073	-.0866						-.2493	-.0988	-.1481

X/LB .6480

PHI	
.000	.0812
45.000	.1754
90.000	.2365
135.000	.2480
180.000	.1459
225.000	-.1410
270.000	-.1918
315.000	-.1428

ARC11-716 IA14 C1+T12+S12*25 SRM BOOSTER (RB1549)

ALPHAT(3) = -.590 BETAT (4) = 4.120

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2910	.3070	.1548	-.5534	-.3545	-.2560	-.0303	.0102	-.0075	-.0227	.2632	-.2105	-.1891	.1988	.2275
45.000		.2678	.1491	-.5565	-.4209	-.1560							-.1984	.2276	.2309
90.000		.2592	.1591	-.5579	-.4195	-.0730	.0681	-.0361	-.1025	.0384	.2256	-.1448	-.2606	.2423	.2191
135.000		.2947	.1838	-.5549	-.3985	-.0690							-.2285	.2342	.2623
180.000	1.2910	.3648	.2241	-.5337	-.2520	-.0521	.0243	-.1070	-.1451	.0734	.1809	-.2846	-.1282	.0555	.0647
225.000		.4272	.2651	-.4509	-.3959	-.0758	.0427						-.2330	-.1733	-.1541
270.000		.4383	.8853		-.5425	-.3044	-.0573	-.0413			.5138	-.3403	-.2779	-.2346	-.1779
315.000		.3797	.1747	-.4982	-.3856	-.3742	-.0409						-.2275	-.0414	-.0380

X/LS	.9580
PHI	
.000	.1814
45.000	.1628
90.000	.1575
135.000	.1854
180.000	.0184
225.000	-.1678
270.000	-.1684
315.000	-.0129

ALPHAT(3) = -.590 BETAT (5) = 8.260

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2670	.2944	.1554	-.5516	-.3110	-.2516	-.0406	-.0118	-.0100	-.0242	.2639	-.1934	-.2067	.3374	.3509
45.000		.2531	.1306	-.5630	-.4270	-.1136							-.1559	.2798	.2724
90.000		.2427	.1321	-.5652	-.4316	-.0327	.0113	-.0647	-.1096	.0603	.2034	-.1794	-.2533	.3218	.2442
135.000		.2592	.1575	-.5674	-.3824	-.1322							-.0698	.1793	.1307
180.000	1.2670	.3295	.2281	-.5128	-.2037	-.1073	-.0248	-.1732	-.1260	.0433	.0916	-.3143	-.1750	-.0620	-.0755
225.000		.3876	.2855	-.4053	-.2642	-.0032	-.0089						-.2743	-.2245	-.1838
270.000		.3723	.8920		-.5059	-.1749	-.0867	-.0773			.2675	-.3675	-.3216	-.2598	-.1872
315.000		.3413	.2000	-.4468	-.3409	-.2759	-.0601						-.2747	-.0038	-.0108

X/LS	.9580
PHI	
.000	.2765
45.000	.1866
90.000	.1591
135.000	.0603
180.000	-.1056

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1549)

ALPHAT(5) = -.530 BETAT (5) = 8.260

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1795
270.000	-.1659
315.000	.0202

ALPHAT(4) = 4.060 BETAT (1) = -8.260

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3360	.5371	.2392	-.5134	-.2637	-.1253	.0030	.0641	.0414	.0812	.3482	-.1836	-.2988	.0935	.1082
45.000		.5455	.2734	-.4859	-.2706	-.0960							-.1652	.2793	.2956
90.000		.4963	.2652	-.4874	-.2975	-.1391	-.0371	.1289	.0475	.0812	.4318	.0157	-.1492	.2829	.2778
135.000		.3914	.1670	-.5827	-.3950	-.1330							-.3011	.0373	.2929
180.000	1.3360	.2427	.1301	-.5922	-.3053	-.2156	.1224	.1015	.0172	.2444	.4478	-.2346	-.4634	-.0621	.2571
225.000		.3641	.0959	-.5228	-.3450	-.4509	.1409						-.2729	-.0998	-.1103
270.000		.4793	.6533		-.2805	-.3993	.0050	-.1299			.2794	-.3400	-.3019	-.2586	-.2037
315.000		.5281	.2715	-.4425	-.2135	-.3143	.0339						-.2791	-.1054	-.2143

X/LS .9580

PHI	
.000	.0492
45.000	.2529
90.000	.2697
135.000	.2683
180.000	.1727
225.000	-.1527
270.000	-.1839
315.000	-.2313

ALPHAT(4) = 3.980 BETAT (2) = -4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3220	.4952	.2348	-.5192	-.2647	-.1491	-.0212	.0107	.0305	.0616	.3364	-.1544	-.2128	.1751	.1723
45.000		.4575	.2361	-.5128	-.3291	-.1273							-.1452	.3021	.3120
90.000		.3829	.2174	-.5318	-.3596	-.1733	-.0149	.0671	-.0170	.0428	.3870	-.0179	-.1747	.2491	.2720
135.000		.3104	.1758	-.5627	-.4265	-.1063							-.3213	.1092	.2673
180.000	1.3220	.2939	.1343	-.5707	-.2485	-.2127	.1099	.0506	-.0381	.1946	.3923	-.2310	-.2611	.0394	.2160
225.000		.3242	.0705	-.5570	-.2974	-.4461	.1183						-.2222	-.1244	-.1194

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1549)

ALPHAT(4) = 3.960 BETAT (2) = -4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4442	.8547		-.3337	-.4603	-.0206	-.0824			.3745	-.3134	-.2712	-.2204	-.1702
315.000		.5039	.2758	-.4588	-.2618	-.3513	-.0037						-.2256	-.0714	-.1417

X/LS	.9580
PHI	
.000	.1155
45.000	.2523
90.000	.2419
135.000	.2123
180.000	.1142
225.000	-.1328
270.000	-.1577
315.000	-.1541

ALPHAT(4) = 3.960 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3040	.4547	.2288	-.5175	-.2407	-.1580	-.0528	-.0185	-.0059	.0575	.3019	-.1581	-.1748	.2169	.2202
45.000		.3682	.1991	-.5294	-.3609	-.1798							-.1416	.2745	.2760
90.000		.2858	.1815	-.5494	-.4024	-.1854	.0122	.0224	-.0628	.0595	.3211	-.0719	-.1738	.1924	.1881
135.000		.2543	.1672	-.5613	-.4351	-.0960							-.3112	.1555	.2277
180.000	1.3040	.2596	.1452	-.5682	-.3345	-.2132	.0688	-.0085	-.0841	.1739	.3338	-.2516	-.2250	.0864	.1899
225.000		.2829	.0898	-.5732	-.3942	-.4473	.0980						-.2130	-.1373	-.1191
270.000		.4049	.8536		-.4381	-.4623	-.0697	-.1165			.3802	-.3094	-.2581	-.2044	-.1541
315.000		.4791	.2899	-.4197	-.3643	-.2203	-.0423						-.2114	-.0458	-.0922

X/LS	.9580
PHI	
.000	.1742
45.000	.2122
90.000	.1514
135.000	.1409
180.000	.0975
225.000	-.1207
270.000	-.1505
315.000	-.0903

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1549)

ALPHAT(4) = 3.990 BETAT (4) = 4.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2770	.4143	.2188	-.5185	-.2258	-.1857	-.0811	.0102	-.0201	-.0163	.2550	-.1640	-.1720	.2895	.3134
45.000		.2854	.1580	-.5482	-.3916	-.2293							-.1535	.2412	.2367
90.000		.2122	.1435	-.5658	-.4322	-.1400	.0676	.0121	-.0833	.0256	.2536	-.1242	-.1719	.1740	.1450
135.000		.2090	.1445	-.5623	-.4338	-.0714							-.2972	.2586	.2478
180.000	1.2770	.2165	.1490	-.5654	-.3554	-.1413	.0357	-.0382	-.0817	.1063	.2407	-.2574	-.0950	.0954	.0980
225.000		.2493	.1112	-.5546	-.4417	-.3354	.0318						-.2049	-.1332	-.1142
270.000		.2956	.0536		-.4999	-.3241	-.0994	-.0993			.3570	-.3325	-.2527	-.1915	-.1410
315.000		.4572	.3021	-.3921	-.4039	-.1157	-.0628						-.2049	-.0102	-.0043

X/LS	.9580
PHI	
.000	.2715
45.000	.1747
90.000	.0940
135.000	.1584
180.000	.0378
225.000	-.1285
270.000	-.1325
315.000	.0305

ALPHAT(4) = 3.990 BETAT (5) = 8.320

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2460	.3708	.2141	-.4497	-.2011	-.1913	-.1047	-.0400	-.0345	-.0247	.2063	-.2348	-.1219	.2713	.2936
45.000		.2419	.1192	-.5692	-.3787	-.2494							-.0983	.2644	.2409
90.000		.2010	.1176	-.5764	-.4425	-.0586	-.0089	-.0420	-.1358	.0485	.2302	-.1543	-.0480	.2517	.1743
135.000		.2029	.1313	-.5665	-.4342	-.0525							-.0073	.2773	.2043
180.000	1.2460	.1996	.1589	-.5655	-.2860	-.1670	-.0332	-.0997	-.0972	.0893	.1673	-.2759	-.0826	.0828	.0393
225.000		.2075	.1454	-.5080	-.3857	-.2141	-.0241						-.2260	-.1358	-.1249
270.000		.2912	.8749		-.4686	-.1971	-.0750	-.1003			.3322	-.3496	-.2972	-.2051	-.1284
315.000		.4197	.3236	-.2952	-.2834	-.0746	-.0687						-.2117	.0136	.1079

X/LS	.9590
PHI	
.000	.2450
45.000	.1549
90.000	.0805
135.000	.1226
180.000	-.0297

ARC1-715 IA14 C14T12+S12N25 SRM BOOSTER (RB1549)

ALPHAT(4) = 5.990 BETAT (5) = 8.720

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9360

PHI	
225.000	-.1472
270.000	-.1377
315.000	.1336

ALPHAT(5) = 8.110 BETAT (1) = -8.280

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2940	.6521	.3051	-.4767	-.1301	-.0535	.0535	.0771	.0973	.1339	.3658	-.1338	-.2102	.2316	.2505
45.000		.6015	.3106	-.4625	-.2221	-.0682							-.0902	.4118	.4078
90.000		.4235	.2081	-.5252	-.3179	-.1637	-.1316	.0545	.0210	.1229	.3908	.0377	-.1326	.3030	.2580
135.000		.2644	.0808	-.6065	-.4190	-.1665							-.3349	.0106	-.0176
180.000	1.2940	.2493	.0401	-.5576	-.2521	-.2764	-.0309	.0504	.0379	.2023	.3112	-.2414	-.4037	-.0490	.0603
225.000		.2489	-.1154	-.3963	-.2516	-.3568	-.0183						-.2520	-.0918	-.0726
270.000		.3964	.7767		-.2339	-.3495	-.0260	.0799			.3490	-.3327	-.2878	-.2243	-.1481
315.000		.5845	.3410	-.3093	-.2168	-.1738	.0472						-.2459	-.0083	-.0852

X/LS .9580

PHI	
.000	.1631
45.000	.3446
90.000	.1939
135.000	.0582
180.000	-.0019
225.000	-.1214
270.000	-.1416
315.000	-.1222

ALPHAT(5) = 8.100 BETAT (2) = -4.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2830	.6214	.2945	-.4796	-.1219	-.0788	-.0027	.0025	.0388	.1036	.2953	-.1175	-.1421	.3021	.3123
45.000		.5070	.2454	-.4989	-.2755	-.1432							-.0936	.3884	.3913
90.000		.3181	.1479	-.5637	-.3890	-.2574	-.1493	-.0363	-.0690	.0339	.3518	-.0090	-.1643	.2346	.1930
135.000		.1994	.0740	-.6033	-.4872	-.1829							-.3161	.0945	.0843
180.000	1.2830	.1986	.0527	-.5986	-.2830	-.2966	-.0301	.0133	-.0359	.1387	.3207	-.2111	-.2646	.0842	.1047
225.000		.1904	-.1128	-.4369	-.3296	-.4493	-.0205						-.1800	-.0851	-.0300

ARC11-716 IA14 O1+T12+S12N23 SRM BOOSTER (RB1349)

ALPHAT(5) = 8.100 BETAT (2) = -4.140

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.3525	.7536		-.3327	-.3274	-.0319	-.0092			.2834	-.3127	-.2551	-.1924	-.1289
315.000		.5719	.3510	-.3425	-.3042	-.1017	.0292						-.1932	-.0022	-.0647

X/LS	.9580
PHI	
.000	.2487
45.000	.3152
90.000	.1381
135.000	.0473
180.000	.0057
225.000	-.0986
270.000	-.1259
315.000	-.0740

ALPHAT(5) = 8.200 BETAT (5) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2610	.5625	.2866	-.4763	-.1181	-.0933	-.0781	-.0327	.0113	.0834	.2844	-.1331	-.1229	.3859	.3934
45.000		.4031	.1848	-.5305	-.3101	-.2033							-.1288	.3559	.3492
90.000		.2030	.1052	-.5886	-.4351	-.2830	-.1479	-.0463	-.1021	.0272	.2924	-.0752	-.1576	.1736	.1336
135.000		.1360	.0828	-.6025	-.4918	-.1545							-.1940	.1295	.0979
180.000	1.2610	.1427	.0549	-.5939	-.2890	-.2838	.0042	.0112	-.0268	.1327	.2818	-.2368	-.1684	.2126	.1456
225.000		.1248	-.1155	-.4565	-.3532	-.4308	.0054						-.1916	-.1012	-.0750
270.000		.2929	.7390		-.3511	-.2986	.0085	.0024			.3205	-.2847	-.2161	-.1618	-.1013
315.000		.5585	.3682	-.2736	-.2727	-.0948	-.0076						-.1654	.0531	.0165

X/LS	.9580
PHI	
.000	.3238
45.000	.2718
90.000	.0786
135.000	.0216
180.000	.0770
225.000	-.0885
270.000	-.1053
315.000	.0238

APC11-716 IA14 C1+T12+S12N25 SRM BOOSTER (RB1549)

ALPHAT(5) = 8.180 BETAT (5) = 4.180

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2280	.5437	.2689	-.4648	-.1199	-.1166	-.1591	.0070	-.0066	.0152	.2791	-.1799	-.1452	.3393	.3989
45.000		.3056	.1213	-.5606	-.3111	-.2719							-.1672	.2679	.2637
90.000		.1177	.0584	-.6051	-.4691	-.2419	-.0575	-.0166	-.1072	.0207	.2756	-.1009	-.1528	.1689	.0988
135.000		.0786	.0736	-.5940	-.4830	-.1071							-.1913	.1556	.0984
180.000	1.2280	.0610	.0584	-.5966	-.2879	-.2546	.0641	.0197	-.0326	.1202	.2294	-.2479	-.1121	.1385	.1133
225.000		.0220	-.1098	- 4620	-.3662	-.3982	.0769						-.2048	-.1267	-.0928
270.000		.1995	.7324		-.3715	-.4014	-.0131	.0363			.3975	-.3004	-.2571	-.1901	-.1294
315.000		.5290	.3858	-.1592	-.2006	-.0650	-.0364						-.1960	.0339	.0803

X/LS	.9580
PHI	
.000	.3522
45.000	.1889
90.000	.0130
135.000	.0163
180.000	.0707
225.000	-.0955
270.000	-.1190
315.000	.1486

ALPHAT(5) = 8.140 BETAT (5) = 8.390

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.1820	.4785	.2961	-.4315	-.0869	-.1338	-.1674	-.0780	-.0480	-.0332	.1979	-.2231	-.1469	.4107	.5048
5.000		.2381	.0659	-.5863	-.3134	-.3542							-.0715	.2469	.2404
90.000		.0977	.0318	-.6191	-.4692	-.1998	-.0938	-.0952	-.1380	.0168	.2304	-.1477	-.0312	.2047	.1217
135.000		.0671	.0765	-.5981	-.4700	-.0732							-.0200	.1698	.1503
180.000	1.1820	.0044	.0928	-.5818	-.2829	-.1502	.0032	-.0438	-.0711	.1004	.1955	-.2582	-.1123	.0799	.0670
225.000		-.0941	-.0353	-.4643	-.4286	-.2810	.0042						-.2403	.1628	-.1034
270.000		.0930	.7385		-.4259	-.4351	-.0563	-.0652			.3633	-.3231	-.2852	-.2129	-.1660
315.000		.4777	.4256	-.0528	-.0383	-.0251	-.0153						-.2036	.2045	.3787

X/LS	.9580
PHI	
.000	.4010
45.000	.1543
90.000	.0291
135.000	.0742
180.000	.0227

ARC11-716 IA14 O*+T12+S12N25 SRM BOOSTER (RB1549)

ALPHAT(5) = 9.140 BETAT (5) = 8.390

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1038
270.000	-.1920
315.000	.3985

AP611-716 IA14 01+712+S12N25 SRM BOOSTER (RB1850) (14 FEB 74)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.250 ELEVON = .000
RUDDER = .000 SPOBRK = .000

ALPHAT(1) = -8.560 BETAT (1) = -8.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3560	.2617	.0845	-.4882	-.4191	-.3646	-.2641	-.2633	-.4332	-.3177	.0695	-.2640	-.3202	-.0041	-.1126
45.000		.2551	.1243	-.4810	-.3868	-.3056							-.3202	-.0268	.0109
90.000		.4088	.2562	-.4125	-.2556	-.0760	-.1634	-.2842	-.3765	-.2420	-.3134	-.2733	-.2920	.0755	.3137
135.000		.5975	.4098	-.3511	-.1534	.1947							-.2915	.1115	.5804
180.000	1.3560	.6633	.4216	-.3498	-.0722	.3500	.2155	.0390	-.0329	.0269	-.0387	-.2263	-.3648	-.0058	.4227
225.000		.6192	.4596	-.2599	-.2950	.3797	.2454						-.2891	-.1348	-.1790
270.000		.4289	.6485		-.5466	-.2560	-.3026	-.1856			.3154	-.3704	-.3128	-.2779	-.2504
315.000		.2779	-.0714	-.5810	-.5445	-.4406	3918						-.3060	-.2335	-.2369

X/LS .9580

PHI	
.000	-.1663
45.000	-.0277
90.000	.2312
135.000	.4945
180.000	.3554
225.000	-.179[illegible]
270.000	-.2240
315.000	-.2351

ALPHAT(1) = -8.520 BETAT (2) = -4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0960	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3590	.1965	.0590	-.4955	-.3981	-.3447	-.1919	-.1907	-.2901	-.3425	.0100	-.2900	-.3234	.0185	-.0874
45.000		.1614	.0950	-.4884	-.4114	-.2638							-.2874	-.0119	.0011
90.000		.2618	.2006	-.4409	-.3187	-.1509	-.2435	-.3647	-.4584	-.3656	-.3001	-.2726	-.2941	.0572	.2495
135.000		.5001	.3436	-.3774	-.1052	.0023							-.3076	.0796	.4306
180.000	1.3590	.6316	.4167	-.3413	.0097	.2037	.1374	-.0423	-.1192	-.0475	-.0997	-.2554	-.3079	0117	.2700
225.000		.5963	.4759	-.2354	-.2220	.3078	.1953						-.2597	-.1468	-.1678
270.000		.3725	.8319		-.5058	-.2876	-.3342	-.2071			.2979	-.3345	-.3079	-.2727	-.2386
315.000		2058	-.1004	-.5773	-.5040	-.4585	-.2593						-.2899	-.1415	-.1637

X/LS .9580

ARC11-716 TA14 O1+T12+S12N25 SRM BOOSTER (RB1350)

ALPHAT(1) = -8.320 BETAT (2) = -4.080

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9360

PHI	
.000	-.1446
45.000	-.0298
90.000	.2452
135.000	.4335
180.000	.2715
225.000	-.1937
270.000	-.2115
315.000	-.1719

ALPHAT(1) = -8.310 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9360
PHI															
.000	1.3090	.1036	.0460	-.4972	-.3687	-.3647	-.1713	-.1210	-.1518	-.0597	.1316	-.2415	-.3346	.0881	-.0337
45.000		.0949	.0762	-.4956	-.4235	-.2410							-.2991	.0338	.0089
90.000		.1723	.1391	-.4733	-.3696	-.2272	-.3292	-.4457	-.3202	-.2248	-.0579	-.2385	-.2882	.0510	.1482
135.000		.3977	.2818	-.4113	-.2158	-.0431							-.2769	.0486	.2931
180.000	1.3090	.5865	.4103	-.3408	.0490	.1690	.0504	-.1070	-.2179	-.0785	-.1031	-.2965	-.2440	-.1064	.0546
225.000		.5725	.4985	-.1971	-.1091	.2522	.1338						-.2719	-.2302	-.1933
270.000		.2845	.8025		-.5265	-.3012	-.2943	-.0949			.2574	-.3422	-.3134	-.2646	-.2914
315.000		.0920	-.1495	-.5925	-.5345	-.4829	-.1242						-.3110	-.0616	-.1006

X/LS .9360

PHI	
.000	-.0871
45.000	-.0491
90.000	.1495
135.000	.3015
180.000	.0959
225.000	-.1747
270.000	-.2307
315.000	-.1396

ARC11-T1C IA14 C1+T12+S12N25 SRM BOOSTER (RB1350)

ALPHAT(1) = -0.520 BETAT (4) = 4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2680	.0475	.0225	-.5104	-.3989	-.3256	-.0899	-.0965	-.0083	-.0597	.2247	-.2204	-.2890	.1409	.2743
45.000		.0774	.0567	-.5006	-.4247	-.2083							-.3054	.0929	.0435
90.000		.0866	.0735	-.5048	-.4156	-.2873	-.3643	-.3353	-.2883	-.1655	.0223	-.2318	-.1624	.0626	.0029
135.000		.3142	.2014	-.4591	-.1969	-.1962							-.1661	.0088	.1237
180.000	1.2680	.5607	.3811	-.3393	.0644	.0573	-.0301	-.1835	-.2856	-.0925	-.1137	-.3224	-.2625	-.1669	-.0571
225.000		.5744	.4967	-.1019	.0093	.1876	.0728						-.2789	-.2507	-.2204
270.000		.2272	.7830		-.5518	-.3369	-.2285	-.1216			.1683	-.3475	-.3244	-.2903	-.2443
315.000		-.0066	-.1549	-.6062	-.5530	-.4781	-.1351						-.2995	-.0366	-.0377

X/LS	.9580
PHI	
.000	.2100
45.000	.0231
90.000	.0360
135.000	.1355
180.000	-.0247
225.000	-.2009
270.000	-.2275
315.000	.0048

ALPHAT(1) = -0.590 BETAT (5) = 8.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2230	-.0483	.0178	-.5103	-.3672	-.2486	-.0737	-.0273	-.0541	-.0400	.1905	-.2950	-.2539	.2115	.3848
45.000		.0324	.0231	-.4996	-.4141	-.1631							-.3009	.1569	.2632
90.000		.0516	-.0185	-.544	-.4304	-.3264	-.2690	-.3423	-.3586	-.1329	.0464	-.2311	-.1320	.1144	.0973
135.000		.1793	.1072	-.491	-.2276	-.3150							-.1429	-.0059	.0030
180.000	1.2230	.4743	.3805	-.2896	.0039	.0192	-.0660	-.2462	-.3324	-.0931	-.0859	-.3364	-.2511	-.1787	-.1627
225.000		.5266	.5021	-.1044	.2050	.1459	-.0055						-.2970	-.2777	-.2485
270.000		.1280	.7943		-.5484	-.3549	-.1978	-.1159			-.0031	-.3725	-.3503	-.3080	-.2642
315.000		-.1289	-.1223	-.5769	-.5553	-.4669	-.1955						-.2983	-.0199	.1019

X/LS	.9580
PHI	
.000	.3454
45.000	.1471
90.000	.0469
135.000	-.0307
180.000	-.1753

ARC11-716 IA14 O1+T12+S12N25 SRM BOOSTER (RB1890)

ALPHAT(1) = -8.990 BETAT (5) = 8.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .0980

PHI	
225.000	-.2344
270.000	-.2349
315.000	.0992

ALPHAT(2) = -4.280 BETAT (1) = -8.180

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3750	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3900	.3337	.1725	-.4569	-.3675	-.3109	-.2460	-.0355	-.0852	-.0974	.1599	-.2087	-.3351	-.0675	-.0941
45.000		.3490	.2280	-.4350	-.3184	-.2229							-.2867	.0004	.0980
90.000		.4534	.3295	-.3873	-.2266	-.1275	-.0076	-.1328	-.1208	-.1297	.0007	-.1351	-.2135	.1470	.3337
135.000		.5309	.3752	-.3719	-.2352	-.0958							-.2645	.1004	.4952
180.000	1.3900	.5414	.3480	-.3929	-.2121	.1781	.2281	.0628	-.0344	-.0076	.2628	-.2080	-.3954	-.0287	.4246
225.000		.5409	.3781	-.3256	-.4497	.1942	.2498						-.2985	-.1192	-.1178
270.000		.4923	.9531		-.5501	-.5387	-.2949	-.0570			.3892	-.3905	-.3086	-.2713	-.2310
315.000		.3807	.1177	-.4705	-.5028	-.4975	-.0903						-.2892	-.1541	-.2107

X/LS .8380

PHI	
.000	-.1432
45.000	.0845
90.000	.3120
135.000	.4423
180.000	.3464
225.000	-.1485
270.000	-.2043
315.000	-.2104

ALPHAT(2) = -4.280 BETAT (2) = -4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1190	.1440	.2010	.2870	.3750	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3890	.2848	.1664	-.4501	-.3692	-.3100	-.1055	-.0515	-.0824	-.0957	.1135	-.2044	-.2855	.0082	-.0411
45.000		.2255	.2060	-.4402	-.3428	-.2262							-.2576	.0745	.1322
90.000		.3167	.2776	-.4122	-.2820	-.1568	-.0741	-.1845	-.1606	-.1640	.0187	-.1624	-.2241	.1418	.3019
135.000		.4244	.3378	-.3919	-.2441	-.0282							-.2834	.0955	.4305
180.000	1.3890	.4965	.3492	-.3887	-.1811	.0848	.1513	-.0057	-.0281	-.0547	.0995	-.2185	-.3491	.0250	.3189
225.000		.5211	.3908	-.3105	-.4114	.2063	.1737						-.2552	-.0955	-.1153

ARC11-716 IA14 C1+T12+S12N25 SRM BOOSTER (RB1330)

ALPHAT(2) = -4.280 BETAT (2) = -4.090

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4838	.9245		-.4933	-.5099	-.3101	-.0675			.3333	-.3190	-.2709	-.2320	-.1803
315.000		.3333	.0968	-.4789	-.4840	-.4862	-.1137						-.2640	.0067	-.1094

X/LS .9590

PHI	
.000	-.0878
45.000	.1047
90.000	.2771
135.000	.4030
180.000	.2962
225.000	-.1569
270.000	-.1740
315.000	-.1385

ALPHAT(2) = -4.250 BETAT (3) = .020

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3440	.1955	.1477	-.4582	-.3722	-.3102	-.0411	-.0690	-.0654	-.0715	.1477	-.1997	-.2755	.0391	.0235
45.000		.0927	.1812	-.4462	-.3562	-.2092							-.2393	.0814	.1102
90.000		.1961	.2272	-.4341	-.3256	-.1631	-.1259	-.1284	-.1978	-.1303	.0886	-.1466	-.2352	.1296	.2455
135.000		.3261	.2920	-.4112	-.2771	-.0557							-.2989	.1021	.3673
180.000	1.3440	.4674	.3451	-.3956	-.1398	.1206	.0532	-.0587	-.1659	.0301	.0058	-.2465	-.3182	.0317	.2378
225.000		.5211	.4096	-.2995	-.0569	.1704	.0991						-.2450	-.1573	-.1565
270.000		.4476	.9123		-.4726	-.4699	-.2177	-.0880			.2755	-.3079	-.2871	-.2493	-.2043
315.000		.2986	.0810	-.4878	-.4792	-.4707	-.1413						-.2677	-.0260	-.1107

X/LS .9590

PHI	
.000	-.0119
45.000	.0888
90.000	.2232
135.000	.3448
180.000	.2029
225.000	-.1559
270.000	-.1890
315.000	-.1552

ARC11-716 IA14 C1+T12+S12*25 SRM BOOSTER (R91980)

ALPHAT(2) = -4.280 BETAT (4) = 4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3750	.4880	.6030	.7180	.8330	.9800	.9170	.9360
PHI															
.000	1.3090	.1310	.1418	-.4077	-.3705	-.2955	-.0236	-.0[illegible]9	-.0406	-.0493	.2477	-.2001	-.2991	.1302	.2358
45.000		.1117	.1474	-.4575	-.3658	-.1732							-.2201	.2027	.1481
90.000		.1331	.1680	-.4965	-.3500	-.1511	-.1392	-.1116	-.1878	-.0640	.1183	-.1[illegible]4	-.2243	.1502	.1796
135.000		.2555	.2280	-.4407	-.3152	-.0998							-.2506	.1174	.2348
180.000	1.3090	.4164	.3295	-.3957	-.1043	.0794	-.0384	-.1354	-.2017	-.0359	-.0023	-.2991	-.2115	-.0261	.0439
225.000		.4643	.4209	-.2601	-.2869	.1921	.0020						-.2384	-.2101	-.1855
270.000		.5144	.[illegible]035		-.4946	-.5562	-.1469	-.1912			.2135	-.3155	-.2855	-.2467	-.2018
315.000		.1773	.0887	-.4813	-.4856	-.4385	-.1735						-.2669	-.0282	.0006

X/LS	.9580
PHI	
.000	.2464
45.000	.1270
90.000	.1520
135.000	.1845
180.000	.0356
225.000	-.1759
270.000	-.1805
315.000	.0192

ALPHAT(2) = -4.270 BETAT (5) = 8.170

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3750	.4880	.6030	.7180	.8330	.9800	.9170	.9360
PHI															
.000	1.2720	.0984	.1101	-.469[illegible]	-.3587	-.2696	-.0452	-.0140	-.0150	-.0907	.2449	-.2474	-.1848	.2217	.3892
45.000		.0887	.1101	-.4974	-.3659	-.1160							-.2409	.2927	.3920
90.000		.1064	.1098	-.4774	-.3965	-.1355	-.0028	-.1031	-.1787	-.0960	.1434	-.1949	-.2351	.1625	.1972
135.000		.1702	.1534	-.4739	-.3245	-.1890							-.1298	.1035	.1248
180.000	1.2720	.3544	.3023	-.3907	-.0750	-.0269	-.0692	-.1785	-.1680	-.0328	.0154	-.3065	-.2062	-.1163	-.1076
225.000		.4230	.4251	-.2307	-.1587	.0940	-.0351						-.2691	-.2409	-.2124
270.000		.2401	.[illegible]949		-.4947	-.3856	-.1489	-.1127			.1551	-.3478	-.3139	-.2818	-.2341
315.000		.0811	.1019	-.4624	-.4728	-.3002	-.1531						-.2940	-.3056	.1027

X/LS	.9980
PHI	
.000	.3910
45.000	.2901
90.000	.1273
135.000	.0090
180.000	-.1334

(RC11-716 IA14 01+712+S12N25 SRM BOOSTER (RB1350)

ALPHAT(2) = -4.270 BETAT (5) = 8.170

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.9580
PHI	
225.000	-.1982
270.000	-.2240
315.000	.0769

ALPHAT(3) = -.550 BETAT (1) = -8.200

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3970	.4144	.2446	-.4256	-.3047	-.2120	-.1393	.0004	-.0428	-.0304	.2434	-.1814	-.3481	-.0766	-.0280
45.000		.4313	.3022	-.3996	-.2607	-.1483							-.2106	.1176	.1604
90.000		.4646	.3555	-.3748	-.2101	-.1117	.0373	.0560	-.0086	-.0465	.3291	-.0228	-.1478	.2088	.2479
135.000		.4587	.3389	-.3910	-.2497	-.1309							-.2384	.0359	.3638
180.000	1.3970	.4408	.2898	-.4131	-.2878	-.2139	.2573	.0984	.0096	.0536	.4420	-.1697	-.3067	-.0749	.3456
225.000		.4783	.3292	-.3707	-.3519	-.4030	.3003						-.3024	-.0997	-.0611
270.000		.5221	.9640		-.4122	-.4404	-.2739	-.0940			.4303	-.0235	-.2923	-.2526	-.2007
315.000		.4635	.2445	-.3912	-.3448	-.3411	-.1402						-.2904	-.0939	-.1884

X/LS	.9580
PHI	
.000	-.0530
45.000	.1457
90.000	.3042
135.000	.3884
180.000	.3279
225.000	-.1050
270.000	-.1871
315.000	-.2127

ALPHAT(3) = -.550 BETAT (2) = -4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3760	.3456	.2352	-.4278	-.3105	-.2353	-.0504	-.0100	-.0432	-.0370	.2491	-.1838	-.2817	.0340	.0562
45.000		.3127	.2752	-.4110	-.2949	-.1693							-.1915	.1462	.1851
90.000		.3122	.3059	-.3933	-.2678	-.1503	-.0113	.0480	-.0556	-.0737	.2723	-.0344	-.1634	.1806	.2409
135.000		.3428	.3064	-.4041	-.2999	-.1429							-.2541	.0567	.3629
180.000	1.3760	.3944	.2971	-.4177	-.2793	.0001	.1933	.0457	-.0501	-.0275	.3509	-.1796	-.3614	-.0077	.2884
225.000		.4453	.2963	-.3736	-.3421	-.3099	.2156						-.2406	-.1195	-.0952

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1550)

ALPHAT(3) = -.530 BETAT (2) = -4.100

SECTION (1)SRM BOOSTEP DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4952	.9572		-.4041	-.4368	-.3158	-.1041			.3886	-.2863	-.2573	-.2219	-.1864
315.000		.4248	.2372	-.8923	-.3528	-.3609	-.1525						-.2334	-.1040	-.1707

X/LS	.9580
PHI	
.000	.0221
45.000	.1627
90.000	.2721
135.000	.3571
180.000	.2937
225.000	-.1315
270.000	-.1608
315.000	-.1789

ALPHAT(3) = -.520 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3510	.2551	.2220	-.4322	-.3125	-.2317	-.0115	-.0161	-.0249	-.0344	.2251	-.1832	-.2440	.0679	.1104
45.000		.1612	.2429	-.4225	-.3199	-.1799							-.1770	.1356	.1813
90.000		.1865	.2621	-.4191	-.3051	-.1601	-.0210	.0184	-.0862	-.0798	.2312	-.0615	-.1843	.1523	.2201
135.000		.1992	.2801	-.4185	-.3041	-.0651							-.2786	.0872	.3377
180.000	1.3510	.2905	.2782	-.4167	-.2595	-.0559	.0578	-.0174	-.1112	.0768	.2198	-.2095	-.3299	.0367	.2732
225.000		.4305	.3070	-.3595	-.3332	-.3161	.1017						-.2369	-.1015	-.0898
270.000		.4750	.9544		-.3959	-.4383	-.3074	-.1319			.3193	-.2852	-.2645	-.2207	-.1683
315.000		.4043	.2322	-.3924	-.3486	-.2168	-.0895						-.2335	-.0785	-.1293

X/LS	.9580
PHI	
.000	.0879
45.000	.1553
90.000	.2258
135.000	.3159
180.000	.2298
225.000	-.1189
270.000	-.1565
315.000	-.1168

ARC11-716 TA14 01+T12+S12N25 SRM BOOSTER (RB1350)

ALPHAT(3) = -.520 BETAT (4) = 4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0990	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3200	.2774	.2049	-.4384	-.3100	-.2323	-.0229	-.0265	-.0188	-.0419	.2265	-.1796	-.1878	.1579	.2172
45.000		.1124	.2023	-.4397	-.3412	-.1717							-.1774	.2319	.2246
90.000		.1008	.2028	-.4376	-.3353	-.1236	-.0184	-.0039	-.1032	-.0384	.2043	-.0925	-.2108	.2124	.1982
135.000		.1444	.2279	-.4363	-.3278	-.0812							-.2743	.1698	.3307
180.000	1.3200	.3278	.2709	-.4224	-.2347	-.0385	-.0178	-.0485	-.1643	.0115	.1705	-.2228	-.2204	.0900	.1678
225.000		.4121	.3187	-.3431	-.2955	-.1633	.0348						-.2103	-.1126	-.1325
270.000		.4311	.9477		-.3930	-.4186	-.3472	-.1781			.3037	-.2977	-.2684	-.2149	-.1487
315.000		.3596	.2398	-.3823	-.3294	-.3567	-.0417						-.2337	.0007	.0120

X/LS	.9580
PHI	
.000	.2018
45.000	.1917
90.000	.1791
135.000	.2548
180.000	.1096
225.000	-.1540
270.000	-.1298
315.000	.0468

ALPHAT(3) = -.540 BETAT (5) = 8.180

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2840	.2115	.1825	-.4475	-.3001	-.2344	-.0737	-.0036	[illegible]	-.0317	.2632	-.1938	-.1786	.2806	.4092
45.000		.0779	.1553	-.4565	-.3526	-.1499							-.1842	.2431	.2797
90.000		.0479	.1538	-.4569	-.3542	-.0709	-.0121	.0416	-.1077	.0006	.2067	-.1348	-.2229	.2737	.2623
135.000		.1717	.1767	-.4592	-.3550	-.1179							-.1945	.1870	.1745
180.000	1.2840	.2966	.2531	-.4290	-.2078	-.0967	-.1130	-.0992	-.1369	.0173	.1028	-.2843	-.1443	-.0279	-.0458
225.000		.4016	.3237	-.3324	-.2923	-.1106	-.0556						-.2444	-.1962	-.1709
270.000		.3945	.9424		-.4484	-.3827	-.1940	-.1021			.2819	-.3457	-.2882	-.2369	-.1778
315.000		.3226	.2465	-.3746	-.3169	-.3005	-.0952						-.2657	.0403	.0802

X/LS	.9580
PHI	
.000	.3559
45.000	.2170
90.000	.2144
135.000	.1161
180.000	-.0845

ARC11-716 IA14 C1+T12+S12N25 SRM BOOSTER (RB1350)

ALPHAT(3) = -.540 BETAT (3) = 8.180

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.9580
PHI	
225.000	-.1663
270.000	-.1546
315.000	.0881

ALPHAT(4) = 3.970 BETAT (1) = -8.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3640	.5310	.3197	-.3910	-.2133	-.1236	-.0004	.0330	.0293	.0293	.3492	-.1511	-.2687	.0336	.1042
45.000		.5257	.3521	-.3683	-.2024	-.0785							-.1127	.2700	.2943
90.000		.4609	.3368	-.3814	-.2186	-.1215	-.0972	.1093	.0560	.0119	.4477	.0628	-.0834	.2912	.2718
135.000		.3643	.2597	-.4297	-.3106	-.1287							-.2174	.0412	-.0130
180.000	1.3640	.3422	.2017	-.4534	-.2010	-.2335	.0366	.1254	.0499	.1737	.4752	-.1572	-.4151	-.1318	.1483
225.000		.3832	.1388	-.4569	-.2413	-.4244	.0604						-.3156	-.0983	.0083
270.000		.5027	.9332		-.2736	-.3634	-.0354	-.1725			.2467	-.3085	-.2747	-.2249	-.1686
315.000		.5424	.3572	-.3176	-.2402	-.2639	.0210						-.2904	-.0663	-.1499

X/LS	.9580
PHI	
.000	.0792
45.000	.2506
90.000	.2073
135.000	.1447
180.000	.2120
225.000	-.0406
270.000	-.1507
315.000	-.2051

ALPHAT(4) = 3.980 BETAT (2) = -4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3680	.4811	.3128	-.3948	-.2155	-.1455	-.0259	.0122	.0180	.0039	.2926	-.1586	-.2071	.1366	.1681
45.000		.4214	.3137	-.3892	-.2499	-.1298							-.1142	.2665	.2895
90.000		.3197	.2957	-.4100	-.2792	-.1665	-.0766	.0781	.0023	-.0391	.3608	.0155	-.1197	.2055	.1945
135.000		.2296	.2358	-.4394	-.3397	-.1343							-.2452	.0304	.0797
180.000	1.3680	.2706	.1859	-.4495	-.2221	-.2407	.0533	.0648	-.0038	.0829	.4028	-.1649	-.3863	-.0532	.2003
225.000		.3572	.1191	-.4642	-.2680	-.4096	.0658						-.2295	-.0952	-.0273

[redacted]

ARC11-716 TA14 01+T12+S12N25 SRM BOOSTER (81350)

ALPHAT(4) = 3.980 BETAT (2) = -4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4641	.9278		-.2992	-.4056	-.0113	-.0845			.3098	-.2648	-.2396	-.1859	-.1496
315.000		.5130	.3600	-.3134	-.2599	-.2885	.0171						-.2173	-.0599	-.1197

X/LS	.9580
PHI	
.000	.1304
45.000	.2470
90.000	.1497
135.000	.1792
180.000	.2270
225.000	-.0516
270.000	-.1349
315.000	-.1336

ALPHAT(4) = 4.030 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3370	.4271	.2976	-.3998	-.2096	-.1416	-.0410	-.0238	.0003	-.0132	.2445	-.1350	-.1759	.1846	.2097
45.000		.3101	.2631	-.4129	-.2926	-.1723							-.1225	.2470	.2519
90.000		.1950	.2310	-.4332	-.3220	-.1951	-.0174	.0360	-.0390	-.0693	.2704	-.0322	-.1460	.1222	.1069
135.000		.1180	.2133	-.4425	-.3431	-.1475							-.2628	.0778	.2118
180.000	1.3370	.1931	.1943	-.4473	-.2761	-.1500	.0557	.0413	-.0621	.0915	.3296	-.1953	-.3390	.0131	.2514
225.000		.2697	.1343	-.4620	-.3351	-.4211	.0069						-.2033	-.1066	-.0679
270.000		.3975	.9166		-.3607	-.4169	-.0474	-.0990			.3134	-.2903	-.2336	-.1783	-.1309
315.000		.4721	.3652	-.3059	-.3393	-.2277	-.0097						-.2031	-.0340	-.0722

X/LS	.9580
PHI	
.000	.1803
45.000	.2088
90.000	.0767
135.000	.2000
180.000	.1966
225.000	-.0877
270.000	-.1232
315.000	-.0706

ARC11-716 IA14 C1+T12+S12N25 SRM BOOSTER (RB1S90)

ALPHAT(4) = 4.020 BETAT (4) = 4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3070	.3696	.2783	-.4050	-.1940	-.1526	-.0924	-.0560	-.0153	-.0318	.2281	-.1246	-.1520	.2663	.3321
45.000		.2217	.2104	-.4369	-.3274	-.2047							-.1323	.2628	.2561
90.000		.1092	.1853	-.4512	-.3534	-.1788	.0025	.0028	-.0637	-.0491	.2221	-.0688	-.1786	.1686	.1370
135.000		.0770	.1858	-.4490	-.3510	-.0994							-.2736	.1680	.2881
180.000	1.3070	.1563	.1853	-.4558	-.3098	-.1626	.0113	.0017	-.0959	.0600	.2469	-.2129	-.2129	.0790	.2027
225.000		.2085	.1541	-.4520	-.3673	-.3639	.0496						-.1829	-.0980	-.0873
270.000		.3393	.9165		-.3975	-.3520	-.0618	-.1007			.3219	-.2994	-.2299	-.1750	-.1100
315.000		.4314	.3728	-.2948	-.3355	-.1493	-.0339						-.1916	.0462	.0536

X/LS	.9580
PHI	
.000	.2932
45.000	.2061
90.000	.0955
135.000	.2204
180.000	.1264
225.000	-.1047
270.000	-.0964
315.000	.0930

ALPHAT(4) = 4.080 BETAT (5) = 8.250

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2720	.3180	.2501	-.4141	-.1919	-.1729	-.1396	-.0753	-.0005	-.0253	.0022	-.1819	-.1643	.2911	.3900
45.000		.1490	.1453	-.4684	-.3667	-.2413							-.1707	.2458	.2540
90.000		.0402	.1424	-.4716	-.3740	-.1055	-.0168	.0209	-.0832	-.0298	.2154	-.1016	-.2000	.2305	.1959
135.000		.0753	.1466	-.4585	-.3622	-.0771							-.1752	.2204	.2281
180.000	1.2720	.1149	.1730	-.4638	-.3039	-.1659	-.0434	-.0091	-.0888	.0648	.1834	-.2186	-.0652	.1211	.0727
225.000		.1764	.1590	-.4440	-.3691	-.2701	-.0189						-.1954	-.1082	-.1063
270.000		.3127	.9004		-.4173	-.2637	-.0585	-.0832			.3363	-.3254	-.2627	-.1909	-.1197
315.000		.4165	.3867	-.2750	-.3082	-.1130	-.0439						-.2079	.0418	.1129

X/LS	.9880
PHI	
.000	.3122
45.000	.1943
90.000	.1285
135.000	.1920
180.000	.0098

ARC11-716 IA14 C1+T12+S12N25 SRM BOOSTER (RB1550)

ALPHAT(4) = 4.060 BETAT (5) = 8.250

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9590

PHI	
225.000	-.1237
270.000	-.1191
315.000	.1718

ALPHAT(5) = 8.150 BETAT (1) = -8.190

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3520	.6595	.3935	-.3590	-.1114	-.0682	.0321	.0516	.0690	.0788	.3549	-.1074	-.1958	.1725	.2329
45.000		.5959	.3930	-.3515	-.1573	-.0684							-.0477	.3768	.4027
90.000		.4180	.2831	-.4110	-.2517	-.1646	-.1446	.0026	.0302	.0420	.3827	.0791	-.0706	.3144	.2903
135.000		.2702	.1530	-.4853	-.3949	-.1914							-.2463	.0156	-.0614
180.000	1.3520	.2673	.1052	-.4993	-.2231	-.2594	-.0544	.0275	.0275	.1462	.3069	-.1711	-.4002	-.1041	.0054
225.000		.2770	-.0463	-.3545	-.2902	-.3597	-.0720						-.2996	-.0467	.0318
270.000		.4259	.8537		-.2553	-.3171	-.0435	.0735			.2796	-.3054	-.2540	-.1760	-.1114
315.000		.6052	.4268	-.2599	-.2744	-.1284	.0321						-.2375	.0096	-.0481

X/LS .9580

PHI	
.000	.1931
45.000	.3566
90.000	.2251
135.000	-.1550
180.000	.0156
225.000	-.0321
270.000	-.1005
315.000	-.0953

ALPHAT(5) = 8.100 BETAT (2) = -4.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3520	.6154	.3725	-.3630	-.0869	-.0852	.0150	.0041	.0242	.0290	.2568	-.1072	-.1498	.2370	.2825
45.000		.4999	.3260	-.3636	-.2194	-.1371							-.0711	.3306	.3581
90.000		.2790	.2214	-.4437	-.3178	-.2329	-.1837	-.0413	-.0410	-.0631	.3214	.0237	-.1112	.2349	.1866
135.000		.1551	.1276	-.4997	-.4001	-.1999							-.2470	.0102	-.0634
180.000	1.3520	.1987	.0937	-.4865	-.2566	-.2852	-.0544	.0055	-.0158	.0792	.3235	-.1495	-.3706	-.0266	.1210
225.000		.2145	-.0881	-.4154	-.3219	-.4027	-.0325						-.2149	-.0610	.0240

ARC11-716 IA14 01+T12+512N25 SRM BOOSTER (RB1S90)

ALPHAT(5) = 8.100 BETAT (2) = -4.070

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.3876	.8353		-.3149	-.2977	-.0142	.0176			.2092	-.2818	-.2321	-.1687	-.1163
315.000		.5887	.4360	-.2510	-.2951	-.0990	.0377						-.1936	-.0173	-.0558

X/LS .9580

PHI	
.000	.2405
45.000	.3129
90.000	.1316
135.000	-.0490
180.000	.0661
225.000	-.0269
270.000	-.1077
315.000	-.0645

ALPHAT(5) = 8.010 BETAT (5) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.3000	.5802	.3527	-.3692	-.0893	-.0857	-.0481	-.0416	-.0078	-.0022	.2107	-.1162	-.1234	.3045	.3478
45.000		.3849	.2562	-.4163	-.2714	-.1962							-.0997	.2926	.3139
90.000		.1715	.1601	-.4752	-.3720	-.2749	-.1808	-.0570	-.0634	-.0785	.2480	-.0197	-.1519	.1997	.1172
135.000		.0450	.1003	-.4941	-.4171	-.1632							-.2598	.0499	.0579
180.000	1.3000	.1234	.0747	-.4869	-.2576	-.2908	-.0029	.0377	-.0317	.0758	.2784	-.1792	-.3470	.0397	.2547
225.000		.1622	-.0987	-.4219	-.3353	-.3938	-.0149						-.1856	-.0793	-.0291
270.000		.3506	.8198		-.3289	-.3021	.0175	.0153			.2623	-.2722	-.2175	-.1600	-.0981
315.000		.5654	.4424	-.2380	-.2709	-.0907	.0267						-.1724	.0400	.0126

X/LS .9580

PHI	
.000	.3075
45.000	.2662
90.000	.0668
135.000	.0340
180.000	.1559
225.000	-.0655
270.000	-.0912
315.000	.0237

ARC11-716 IA14 01+712+S12N25 SRM BOOSTER (RB1550)

ALPHAT(5) = 8.100 BETAT (4) = 4.160

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2580	.5134	.3326	-.3737	-.0852	-.0876	-.1264	-.0942	-.0339	-.0262	.2302	-.1257	-.1223	.3361	.4015
45.000		.2840	.1858	- 4510	-.3104	-.2423							-.1315	.2764	.2817
90.000		.0678	.0935	1997	-.4114	-.2904	-.1264	-.0567	-.0729	-.0551	.2479	-.0424	-.1726	.2307	.1282
135.000		-.0117	.0906	4905	-.3991	-.1431							-.2625	.1462	.1610
180.000	1.2580	.0399	.0874	-.4905	-.2647	-.2656	.0318	.0335	-.0413	.0719	.2318	-.2215	-.2609	.1010	.2096
225.000		.0345	-.0735	-.4038	-.3515	-.3778	.0170						-.1845	-.1016	-.0749
270.000		.2403	.8010		-.3532	-.3560	-.0300	-.0060			.3387	-.2732	-.2235	-.1741	-.0978
315.000		.5374	.4526	-.2056	-.2202	-.0401	-.0387						-.1861	.0841	.1153

X/LS	.9580
PHI	
.000	.3673
45.000	.2542
90.000	.0652
135.000	.0921
180.000	.1143
225.000	-.0463
270.000	-.0692
315.000	.1909

ALPHAT(5) = 8.080 BETAT (5) = 8.310

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.2200	.4708	.3079	-.3764	-.0970	-.1060	-.1756	-.1598	-.0015	-.0406	.1480	-.1795	-.1256	.3555	.4749
45.000		.1840	.1020	-.4976	-.3489	-.3259							-.0951	.1995	.2176
90.000		-.0145	.0321	-.5219	-.4427	-.2252	-.1150	-.0685	-.0976	-.0642	.2114	-.0868	-.1479	.2650	.1344
135.000		.0111	.0777	-.4907	-.3976	-.0994							-.1858	.1775	.2002
180.000	1.2200	-.0070	.0785	-.4935	-.2834	-.2207	.0042	.0508	-.0501	.0667	.1969	-.2331	-.0039	.1173	.1028
225.000		-.0670	-.0486	-.4610	-.3842	-.3474	.0018						-.2054	-.1224	-.0891
270.000		.1722	.7924		-.3998	.3914	-.0659	-.0361			.3559	-.3000	-.2544	-.1888	-.1184
315.000		.5260	.4777	-.1873	- 1396	.0124	-.0550						-.1973	.1688	.3201

X/LS	.9580
PHI	
.000	.4379
45.000	.1700
90.000	.0617
135.000	.1161
180.000	.0508

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1890)

ALPHAT(5) = 0.000 BETAT (5) = 0.310

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

R/LS .9380

PHI	
225.000	-.0846
270.000	-.1309
315.000	.4059

ARC11-716 IA14 OL+T1'+S12N25 SRM BOOSTER (RB1331) (14 FEB 74)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES
LREF = 38.7090 INCHES YMRP = .0000 INCHES
BREF = 38.7090 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.400 ELEVON = .000
RUDDER = .000 SPDBRK = .000

ALPHAT(1) = -8.900 BETAT (1) = -8.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.4320	.1102	.1525	-.3421	-.2922	-.3152	-.4497	-.2933	-.3391	-.2020	.0532	-.2248	-.3222	-.1009	-.1337
45.000		.1717	.1948	-.3405	-.2825	-.2309							-.2971	-.0834	-.0922
90.000		.3648	.3376	-.2779	-.1754	-.1135	-.0730	-.1827	-.2788	-.3285	-.2039	-.2305	-.2451	.0108	.1328
135.000		.5300	.4800	-.2222	-.0944	-.0153							-.2258	.0085	.4038
180.000	1.4320	.5827	.5076	-.2132	-.0409	.0598	.2812	.1424	.0560	-.0462	-.0605	-.2158	-.3336	-.1878	.3355
225.000		.6004	.5567	-.1340	-.2078	.2035	.3087						-.3097	-.1315	.0331
270.000		.4587	.9546		-.5175	-.2193	-.1906	-.0713			.0890	-.3401	-.2941	-.2588	-.2331
315.000		.2905	.0109	-.4452	-.5167	-.4826	-.2300						-.2888	-.2352	-.2423

X/LS	.9580
PHI	
.000	-.1858
45.000	-.0454
90.000	.2639
135.000	.4884
180.000	.4094
225.000	.0529
270.000	-.2111
315.000	-.2287

ALPHAT(1) = -8.480 BETAT (2) = -4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170
PHI														
.000	1.3980	.0167	.1124	-.3518	-.3015	-.3104	-.1700	-.1900	-.2745	-.2952	-.0341	-.2328	-.3027	-.0[illegible]
45.000		.0910	.1910	-.3545	-.3030	-.2363							-.2927	-.[illegible]
90.000		.2310	.2502	-.3134	-.2377	-.1700	-.1517	-.2674	-.3663	-.3210	-.2470	-.2171	-.2615	.0[illegible]
135.000		.4019	.4115	-.2930	-.1450	-.0275							-.2823	.0[illegible]
180.000	1.3980	.4967	.4490	-.2204	-.0400	.1[illegible]	.1787	.0612	-.0390	-.1079	-.1315	-.2641	-.3216	-.0443
225.000		.5780	.5505	-.1290	-.1660	.3087	.2211						-.2758	-.1454
270.000		.4101	.9485		-.4693	-.1502	-.2310	-.1769			.3229	-.3252	-.2972	-.2771
315.000		.1759	-.0365	-.4676	.4704	-.4429	-.3945						-.2975	-.1035

X/LS	.9580

ARC11-716 IA14 OX+T12+SRM25 SRM BOOSTER (R81991)

ALPHAT(1) = -8.480 BETAT (2) = -4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9380

PHI	
.000	-.1082
45.000	-.0651
90.000	.2259
135.000	.4351
180.000	.3962
225.000	-.1554
270.000	-.2295
315.000	-.1165

ALPHAT(1) = -8.440 BETAT (3) = -.010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8800	.9170	.9380
PHI															
.000	1.3980	-.0274	.0905	-.3683	-.3146	-.3236	-.1268	-.1042	-.1120	-.0602	.1081	-.2098	-.2818	.0047	-.0901
45.000		.0313	.1076	-.3676	-.3093	-.2205							-.2981	.0317	-.0277
90.000		.1382	.1687	-.3479	-.2873	-.1906	-.2424	-.3432	-.4009	-.2331	-.1675	-.1909	-.2646	.0086	.0991
135.000		.3114	.3587	-.2830	-.1943	-.0634							-.2918	.0075	.2451
180.000	1.3980	.4645	.4725	-.2254	.0171	.1529	.0907	-.0167	-.1157	-.1070	-.1647	-.3140	-.3114	-.0610	.1108
225.000		.5125	.5666	-.1132	.1319	.3945	.1566						-.2610	-.1850	-.1886
270.000		.3961	.9340		-.4779	-.1323	-.2639	-.1316			.2608	-.3172	-.2984	-.2670	-.2279
315.000		.1685	-.0552	-.4795	-.4802	-.4429	-.2366						-.2914	-.0656	-.0882

X/LS .9580

PHI	
.000	-.1000
45.000	-.0432
90.000	.1326
135.000	.3385
180.000	.2092
225.000	-.1874
270.000	-.1958
315.000	-.0907

ARC11-716 IA14 C1+712+S12N25 SRM BOOSTER (RB1551)

ALPHAT(1) = -0.590 BETAT (4) = 4.150

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3100	.0018	.0615	-.3875	-.3255	-.3214	-.0821	-.0577	-.0724	-.0630	.1525	-.1924	-.2580	.0229	.1945
45.000		-.0299	.0717	-.3789	-.3162	-.1934							-.2599	.0321	-.0470
90.000		.0497	.0924	-.3806	-.3378	-.2372	-.2972	-.4002	-.3004	-.2007	-.0139	-.1968	-.2648	.0425	.0313
135.000		.2509	.2478	-.3256	-.2596	-.1259							-.2104	-.0497	.0655
180.000	1.3100	.5128	.4518	-.2364	.0381	.1541	-.0079	-.0678	-.2184	-.1526	-.1222	-.2961	-.2339	-.1625	-.0841
225.000		.6187	.5659	-.0995	-.0475	.3396	.1032						-.2503	-.2276	-.1999
270.000		.5673	.9143		-.4734	-.1670	-.2968	-.0987			.1947	-.5122	-.2945	-.2648	-.2257
315.000		.1299	-.0749	-.4877	-.4780	-.4523	-.1749						-.2793	-.0437	-.0022

X/LS	.9580
PHI	
.000	.1837
45.000	-.0807
90.000	.0244
135.000	.1011
180.000	-.0244
225.000	-.1791
270.000	-.2034
315.000	-.0135

ALPHAT(1) = -0.980 BETAT (9) = 8.260

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.2570	.0469	.0546	-.3852	-.3444	-.2992	-.0520	-.0465	-.0539	-.0702	.0141	-.2355	-.2611	.0602	.2528
45.000		-.0582	.0357	-.3968	-.3171	-.1720							-.2496	.0375	.3271
90.000		-.0104	.0257	-.4151	-.3429	-.2750	-.3253	-.3539	-.3502	-.1948	.0090	-.1657	-.2650	.0231	.1102
135.000		.2154	.1628	-.3655	-.2371	-.2177							-.1980	.0102	.0521
180.000	1.2570	.5138	.4163	-.2455	.0712	.1643	-.0428	-.0991	-.2774	-.1261	-.1062	-.3024	-.2445	-.1776	-.1570
225.000		.6110	.5564	-.0604	.0359	.3177	.0986						-.2928	-.2693	-.2443
270.000		.5049	.8877		-.4705	-.2187	-.2627	-.1474			.0355	-.3411	-.3065	-.2473	-.2554
315.000		.0562	-.0605	-.4820	-.4788	-.4217	-.1932						-.2952	-.0035	.0525

X/LS	.9580
PHI	
.000	.3045
45.000	.1930
90.000	.0566
135.000	.0129
180.000	-.1571

ARC11-716 IA14 01+T12+S12N23 SRM BOOSTER (RB1S51)

ALPHAT(1) = -8.580 BETAT (5) = 8.260

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.2200
270.000	-.2628
315.000	.2149

ALPHAT(2) = -4.350 BETAT (1) = -8.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.4630	.1543	.2433	-.3015	-.2334	-.2351	-.3482	-.0558	-.0693	-.0811	.0974	-.1579	-.2757	-.0825	-.1070
45.000		.2528	.3016	-.2967	-.2003	-.1435							-.2201	-.0044	.0448
90.000		.3765	.4037	-.2444	-.1414	-.0719	.0306	-.0374	-.1493	-.1109	-.0814	-.0993	-.1360	.1466	.1933
135.000		.4132	.4560	-.2297	-.1185	-.0361							-.1613	.0755	.0720
180.000	1.4630	.3545	.4405	-.2412	-.1218	-.1613	.2737	.1683	.0438	-.0459	.0098	-.1012	-.2908	-.1803	.0053
225.000		.4540	.4764	-.1802	-.3160	-.2652	.2895						-.3409	-.1362	-.0479
270.000		.5264	1.0350		-.4289	-.4255	-.1919	-.0937			.3814	-.3154	-.2791	-.2393	-.2095
315.000		.3255	.1939	-.3327	-.3896	-.4200	-.1598						-.2759	-.0816	-.2028

X/LS .9580

PHI	
.000	-.1505
45.000	.0188
90.000	.1552
135.000	.4377
180.000	.3941
225.000	.0824
270.000	-.1906
315.000	-.1957

ALPHAT(2) = -4.350 BETAT (2) = -4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.4300	.0922	.2096	-.3136	-.2471	-.2443	-.2547	-.0089	-.0609	-.0744	.0904	-.1791	-.2633	-.0379	-.0618
45.000		.1765	.2495	-.3048	-.2327	-.1581							-.2030	.0477	.0860
90.000		.2787	.3241	-.2775	-.1932	-.1137	-.0188	-.1057	-.1434	-.1485	-.0820	-.1173	-.1469	.1274	.1698
135.000		.3300	.4023	-.2528	-.1630	-.0923							-.1972	.0360	.0538
180.000	1.4300	.2976	.4292	-.2447	-.1295	-.1685	.1720	.1016	-.0765	-.1046	-.0537	-.1176	-.3106	-.1580	.2542
225.000		.2251	.4807	-.1757	-.3090	-.0211	.1963						-.2817	-.0839	.0283

ARC11-716 IA14 C1+T12+S12N25 SRM BOOSTER (RB1S51)

ALPHAT(2) = -4.350 BETAT (2) = -4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.1636	1.0280		-.4279	-.4238	-.2398	-.0494			.3507	-.3049	-.2576	-.2161	-.1703
315.000		.0847	.1676	-.3434	-.4058	-.4263	-.1503						-.2812	.0357	-.1142

X/LS	.9580
PHI	
.000	-.0934
45.000	.0547
90.000	.1503
135.000	.4160
180.000	.3961
225.000	-.0257
270.000	-.1523
315.000	-.1641

ALPHAT(2) = -4.190 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3920	.0492	.1839	-.3283	-.2621	-.2574	-.0869	-.0184	-.0642	-.0515	.1259	-.1490	-.2527	-.0230	-.0110
45.000		.1166	.2019	-.3209	-.2469	-.1603							-.1871	.0645	.0769
90.000		.1876	.2379	-.3092	-.2348	-.1419	-.0742	-.1592	-.1316	-.1530	.0129	-.1131	-.1639	.1059	.1323
135.000		.2487	.3283	-.2836	-.2030	-.1098							-.2266	.0135	.2342
180.000	1.3920	.2556	.4067	-.2541	-.1257	.0114	.0895	.0115	-.1145	-.0883	-.0562	-.2339	-.3012	-.0841	.2961
225.000		.1978	.4841	-.1688	-.2905	-.0271	.1309						-.2654	-.1312	-.0696
270.000		.1061	1.0210		-.4162	-.4117	-.2719	-.0409			.2954	-.2950	-.2734	-.2390	-.1832
315.000		.0296	.1638	-.3467	-.4035	-.4232	-.1775						-.2874	-.0318	-.0480

X/LS	.9580
PHI	
.000	-.0274
45.000	.0593
90.000	.1775
135.000	.3742
180.000	.3694
225.000	-.1128
270.000	-.1546
315.000	-.0819

ARC11-715 IA14 C1+T12+S12N25 SRM BOOSTER (RB1551)

ALPHAT(2) = -4.320 BETAT (4) = 4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3530	.0142	.1586	-.3461	-.2886	-.2647	-.0107	-.0246	-.0333	-.0363	.1809	-.1620	-.2351	.0379	.1782
45.000		.0537	.1577	-.3415	-.2617	-.1750							-.1740	.1983	.1017
90.000		.1040	.1657	-.3413	-.2742	-.1436	-.1126	-.0999	-.1432	-.1292	.0713	-.1303	-.1899	.0992	.1182
135.000		.1689	.2500	-.3177	-.2509	-.1181							-.2358	.0671	.2125
180.000	1.3530	.2352	.3842	-.2675	-.1151	.0298	-.0220	-.0471	-.2047	-.0809	-.0253	-.2418	-.2299	-.0651	.0426
225.000		.2802	.4930	-.1570	-.2481	.0378	.0588						-.2138	-.1837	-.1594
270.000		.4779	1.0120		-.4192	-.3729	-.2899	-.0589			.2296	-.2864	-.2639	-.2371	-.1952
315.000		.0736	.1623	-.3494	-.4067	-.4164	-.2059						-.2508	-.0265	-.0103

X/LS	.9580
PHI	
.000	.1602
45.000	.0894
90.000	.1226
135.000	.2121
180.000	.0565
225.000	-.1548
270.000	-.1761
315.000	.0021

ALPHAT(2) = -4.370 BETAT (5) = 8.230

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3020	.0789	.1431	-.3570	-.2997	-.2690	-.0076	-.0411	-.0264	-.0469	.1791	-.1845	-.2175	.1573	.2793
45.000		.0002	.1161	-.3579	-.2791	-.1636							-.1686	.1763	.3232
90.000		.0328	.0954	-.3722	-.2999	-.1315	-.1201	-.0832	-.1773	-.1069	.0993	-.1197	-.2267	.1228	.1430
135.000		.1271	.1805	-.3497	-.2969	-.1800							-.2722	.1212	.1722
180.000	1.3020	.4300	.3622	-.2798	-.0918	.0079	-.1023	-.0747	-.2270	-.0566	.0020	-.2798	-.1815	-.0767	-.0861
225.000		.5482	.4941	-.1440	-.1893	.1890	-.0232						-.2575	-.2546	-.2122
270.000		.4300	.9961		-.4217	-.2742	-.1893	-.0984			.1477	-.3206	-.2846	-.2566	-.2254
315.000		.2428	.1701	-.3376	-.4011	-.3552	-.1695						-.2364	-.0065	.1087

X/LS	.9580
PHI	
.000	.3028
45.000	.2610
90.000	.1363
135.000	.1270
180.000	-.1125

ARC11-716 IA14 C1+T12+S12N25 SRM BOOSTER (RB1551)

ALPHAT(2) = -.370 BETAT (5) = 8.230

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9380

PHI	
225.000	-.1919
270.000	-.2268
315.000	.1299

ALPHAT(3) = -.580 BETAT (1) = -8.260

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1190	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.4710	.2353	.3142	-.2801	-.1888	-.1719	-.1527	-.0376	-.0084	-.0284	.1938	-.1425	-.2981	-.1442	-.0981
45.000		.3346	.3657	-.2590	-.1628	-.0911							-.1411	.1232	.1657
90.000		.4022	.4151	-.2394	-.1302	-.0531	-.0592	.0525	.0326	-.0066	.0634	.0291	-.0603	.2440	.2612
135.000		.3667	.4046	-.2523	-.1539	-.0715							-.1346	.1086	.0949
180.000	1.4710	.2652	.3630	-.2730	-.1843	-.1543	.1902	.1908	.0603	-.0231	.3483	-.0753	-.2859	-.1862	-.2051
225.000		.3243	.3712	-.2452	-.3237	-.3995	.2921						-.3732	-.1501	-.1101
270.000		.5549	1.0580		-.3359	-.3797	-.2231	-.1159			.4402	-.2993	-.2580	-.1902	-.1638
315.000		.3047	.3270	-.2544	-.2360	-.3093	-.1491						-.2950	-.0901	-.1553

X/LS .9580

PHI	
.000	-.1159
45.000	.1212
90.000	.2012
135.000	-.0257
180.000	.2609
225.000	.0603
270.000	-.1537
315.000	-.2093

ALPHAT(3) = -.570 BETAT (2) = -4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.4380	.1732	.2915	-.2881	-.2028	-.1859	-.0971	-.0025	-.0242	-.0274	.2233	-.1521	-.2657	-.0703	-.0096
45.000		.2494	.3216	-.2739	-.1962	-.1162							-.1163	.1560	.1848
90.000		.2918	.3461	-.2859	-.1799	-.0951	-.0456	.0160	-.0016	-.0448	.1059	.0203	-.0673	.2271	.2352
135.000		.2689	.3559	-.2709	-.1891	-.1059							-.1533	.0802	.0616
180.000	1.4380	.1988	.3431	-.2838	-.1923	-.1672	.1273	.1402	-.0386	-.0651	.2301	-.0919	-.2931	-.1796	-.1759
225.000		.1643	.3665	-.2427	-.3293	-.3939	.2730						-.2957	-.0924	-.0291

ARC11-716 TA14 O1+T12+S12N25 SRM BOOSTER (RB1551)

ALPHAT(3) = -.570 BETAT (2) = -4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
270.000		.1997	1.0510		-.3368	-.3929	-.2356	-.0400							
315.000		.1550	.3150	-.2592	-.2950	-.3332	-.1405				.4177	-.2844	-.2530	-.2083	-.1725
													-.2678	-.0910	-.1611

X/LS .9580

PHI	
.000	-.0039
45.000	.1443
90.000	.1713
135.000	-.0519
180.000	.3188
225.000	.1070
270.000	-.1666
315.000	-.1829

ALPHAT(3) = -.580 BETAT (3) = .000

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9380
PHI															
.000	1.4090	.1311	.2647	-.2987	-.2180	-.2017	-.0403	.0018	-.0222	-.0179	.2033	-.1531	-.2170	.0186	.0731
45.000		.1794	.2622	-.2957	-.2238	-.1395							-.1143	.1381	.1740
90.000		.2015	.2701	-.2971	-.2146	-.1201	-.0195	.0182	-.0298	-.0643	.1810	-.0063	-.0901	.1849	.1602
135.000		.1940	.2978	-.2916	-.2157	-.1238							-.1725	.0535	.0199
180.000	1.4090	.1556	.3324	-.2858	-.1925	-.1480	.0781	.0239	-.0604	-.0842	.1149	-.1220	-.2994	-.1208	.2220
225.000		.1326	.3717	-.2357	-.3290	-.2905	.2191						-.2499	-.0614	.0362
270.000		.1576	1.0490		-.3336	-.3892	-.2427	-.0634			.3521	-.2729	-.2474	-.2028	-.1456
315.000		.1208	.3138	-.2550	-.2946	-.3389	-.0879						-.2608	-.0690	-.0931

X/LS .9580

PHI	
.000	.0747
45.000	.1547
90.000	.1279
135.000	.2568
180.000	.3566
225.000	-.0375
270.000	-.1300
315.000	-.0726

ARC11-716 IA14 O1+T12+512N25 SRM BOOSTER (RB1S51)

ALPHAT(3) = -.570 BETAT (4) = 4.110

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3670	.0942	.2400	-.3085	-.2363	-.2217	-.0278	-.0112	-.0158	-.0201	.1801	-.1385	-.1914	.1086	.1589
45.000		.1095	.2071	-.3172	-.2499	-.1649							-.1382	.1905	.1812
90.000		.1267	.2014	-.3218	-.2401	-.1318	-.0207	.0121	-.0476	-.0785	.1747	-.0533	-.1201	.1316	.1070
135.000		.1295	.2409	-.3154	-.2438	-.1289							-.1968	.0524	.2164
180.000	1.3670	.1220	.3150	-.2908	-.1962	-.0342	.0328	-.0229	-.1179	-.0348	.0544	-.1618	-.2559	.0260	.2214
225.000		.1287	.3909	-.2191	-.3125	-.2305	.1885						-.2068	-.0964	-.1157
270.000		.1484	1.0460		-.3249	-.3710	-.2438	-.0842			.3196	-.2738	-.2575	-.2124	-.1638
315.000		.1125	.3207	-.2490	-.2847	-.3326	-.0120						-.2242	.0012	-.0003

X/LS	.9580
PHI	
.000	.1485
45.000	.1581
90.000	.1058
135.000	.2625
180.000	.1672
225.000	-.1268
270.000	-.1383
315.000	.0195

ALPHAT(3) = -.580 BETAT (5) = 8.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3180	.0595	.2110	-.3244	-.2504	-.2151	-.0428	-.0452	-.0182	-.0359	.1746	-.1484	-.1381	.2114	.3277
45.000		.0466	.1587	-.3440	-.2786	-.1684							-.1298	.1890	.2374
90.000		.0533	.1450	-.3475	-.2618	-.1175	-.0101	-.0125	-.0845	-.0769	.1341	-.0507	-.1421	.2238	.2609
135.000		.0600	.1806	-.3410	-.2821	-.1028							-.2449	.1304	.2317
180.000	1.3180	.0956	.3016	-.3036	-.1957	-.0559	-.0145	-.0693	-.1653	-.0205	.0872	-.2338	-.1115	.0427	.0321
225.000		.1681	.3972	-.2063	-.2747	-.1250	.0934						-.2129	-.1470	-.1648
270.000		.1438	1.0400		-.3138	-.3381	-.2578	-.0742			.2726	-.3002	-.2596	-.2022	-.1360
315.000		.1210	.3176	-.2444	-.2736	-.2983	-.0177						-.2267	.0310	.0662

X/LS	.9580
PHI	
.000	.3009
45.000	.2017
90.000	.2307
135.000	.1770
180.000	-.0243

ARC11-716 IA14 01+T12+S12N25 SRM BOOSTER (RB1S51)

ALPHAT(3) = -.580 BETAT (5) = 8.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1607
270.000	-.1138
315.000	.0889

ALPHAT(4) = 4.090 BETAT (1) = -8.230

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.4610	.3531	.4035	-.2455	-.1275	-.1014	-.0218	.0442	.0364	.0217	.2937	-.1188	-.2317	-.0271	.0322
45.000		.4184	.4328	-.2312	-.1247	-.0396							-.0498	.2586	.2846
90.000		.3911	.4076	-.2476	-.1435	-.0669	-.0605	-.0229	.1042	.0517	.3670	.1388	.0038	.3255	.3155
135.000		.2674	.3210	-.2910	-.2097	-.0933							-.1036	.1348	.0813
180.000	1.4610	.1592	.2637	-.3055	-.1743	-.1733	.0081	.0925	.0878	.0426	.4632	-.0283	-.2874	-.1790	-.2236
225.000		.3021	.2114	-.3343	-.2090	-.3491	-.0040						-.4053	-.1921	-.1903
270.000		.5201	1.0340		-.2378	-.3234	-.0548	-.1142			.2637	-.2820	-.2359	-.1383	-.1240
315.000		.4257	.4565	-.1781	-.2527	-.2399	.0322						-.3072	-.0800	-.0674

X/LS .9580

PHI	
.000	.0139
45.000	.2508
90.000	.2560
135.000	-.0219
180.000	-.3152
225.000	-.0612
270.000	-.1042
315.000	-.1263

ALPHAT(4) = 4.110 BETAT (2) = -4.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.4280	.3017	.3809	-.2487	-.1336	-.1300	.0024	.0312	.0109	.0168	.2109	-.1081	-.1873	.0581	.1286
45.000		.3512	.3768	-.2504	-.1633	-.0902							-.0493	.2579	.2831
90.000		.2847	.3309	-.2733	-.1931	-.1118	-.0933	.0406	.0503	-.0075	.3141	.1020	-.0211	.2422	.2385
135.000		.1909	.2719	-.3018	-.2317	-.0996							-.1147	.1254	.0525
180.000	1.4280	.1020	.2338	-.3115	-.1743	-.2037	.0024	.0587	.0354	-.0139	.3979	-.0476	-.2835	-.1769	-.2119
225.000		.0858	.1898	-.3423	-.2095	-.3491	-.0017						-.3415	-.1292	-.1016

AP011-716 A14 C1+T12+S12N2 SRM BOOSTER (RB1551)

ALPHAT(4) = 4.110 BETAT (2) = -4.040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
270.000		.1585	1.0260		-.2425	-.3349	-.0072	-.0771			.2936	-.2666	-.2232	-.1517	-.1188
315.000		.2200	.4568	-.1715	-.2540	-.2490	.0544						-.2431	-.0433	-.0890

X/LS	.9980
PHI	
.000	.1562
45.000	.2597
90.000	.1910
135.000	-.0490
180.000	-.0736
225.000	.0589
270.000	-.1005
315.000	-.1000

ALPHAT(4) = 4.110 BETAT (3) = .040

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7190	.8330	.8900	.9170	.9390
PHI															
.000	1.3910	.2928	.3563	-.2805	-.1489	-.1611	-.0214	-.0258	-.0063	.0069	.1671	-.1081	-.1545	.1392	.1919
45.000		.2428	.3121	-.2816	-.2087	-.1471							-.0599	.2346	.2451
90.000		.1898	.2491	-.3074	-.2368	-.1466	-.1049	.0355	.0074	-.0420	.2367	.0409	-.0620	.1927	.1457
135.000		.1245	.2232	-.3226	-.2483	-.1165							-.1374	.1183	.0391
180.000	1.3910	.0572	.2152	-.3299	-.2505	-.2072	.0411	.0159	-.0114	-.0333	.2990	-.0912	-.2999	-.1288	-.0557
225.000		.0374	.1922	-.3447	-.2782	-.3621	.0767						-.2313	-.0544	.0366
270.000		.1320	1.0190		-.2925	-.3534	-.0166	-.0729			.3236	-.2697	-.2162	-.1614	-.1109
315.000		.2000	.4591	-.1671	-.2792	-.2122	.0354						-.1964	-.0059	-.0265

X/LS	.9980
PHI	
.000	.1892
45.000	.2248
90.000	.0868
135.000	-.0781
180.000	.2739
225.000	.0361
270.000	-.0999
315.000	-.0177

AFC11-716 TA14 C1+712+S12N25 SRM BOOSTER (RB1S51)

ALPHAT (4) = 4.090 BETAT (4) = 4.170

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3470	.2170	.3307	-.2768	-.1664	-.1644	-.0532	-.0578	-.0157	-.0166	.1035	-.1341	-.1346	.2106	.2999
45.000		.1653	.2402	-.3194	-.2579	-.2029							-.0884	.2167	.2284
90.000		.1276	.1737	-.3427	-.2713	-.1554	-.0188	.0119	-.0260	-.0622	.1644	-.0167	-.1054	.1951	.1005
135.000		.0636	.1414	-.3395	-.2566	-.1245							-.1818	.0675	.0789
180.000	1.3470	.0109	.2007	-.3362	-.2695	-.2016	.0378	-.0416	-.0503	.0079	.1965	-.1405	-.2830	-.0103	.2416
225.000		.0113	.2176	-.3314	-.2681	-.3548	.0949						-.2017	-.0512	-.0505
270.000		.2567	1.0040		-.3[illegible]	-.3309	.0036	-.0697			.3314	-.2758	-.2242	-.1679	-.1106
315.000		.2491	.4609	-.1692	-.2755	-.1755	.0209						- 1981	.0356	.0560

X/LS	.9580
PHI	
.000	.2889
45.000	.2015
90.000	.[illegible]
135.000	.2356
180.000	.3[illegible]
225.000	-.3775
270.000	-.0890
315.000	.0943

ALPHAT (4) = 4.080 BETAT (5) = 9.260

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0980	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3010	.1989	.3029	-.2891	-.1535	-.1319	-.1215	-.0817	-.0162	-.0269	.1027	-.1262	-.1239	.2848	.3544
45.000		.0977	.1690	-.3515	-.3022	-.2209							-.0947	.2411	.2677
90.000		.0331	.1227	-.3635	-.2891	-.1367	-.0171	-.0475	-.0670	-.0853	.1795	-.0192	-.1146	.2208	.1974
135.000		.0099	.1477	-.3522	-.2714	-.0971							-.2232	.1152	.2422
180.000	1.3010	-.0097	.1953	-.3476	-.2502	-.1573	.0148	-.0694	-.1092	.0216	.1760	-.1756	-.1393	.1227	.1339
225.000		.2217	.2217	-.3174	-.2774	-.3050	.0706						-.1756	-.0940	-.1162
270.000		.5195	1.0040		-.2801	-.2959	.0523	-.0986			.3399	-.2810	-.2369	-.1743	-.0875
315.000		.2833	.4609	-.1600	-.2546	-.1364	.0143						-.1957	.0587	.1389

X/LS	.9580
PHI	
.000	.3139
45.000	.2247
90.000	.1580
135.000	.1469
180.000	.0490

AEDC11-715 TA14 C1+T12+S12+C5 SRM BOOSTER (RB1S51)

ALPHAT(4) = 4.040 BETAT (5) = 8.280

SECTION 1 SRM BOOSTER DEPENDENT VARIABLE CP

X/LS .9580

PHI	
225.000	-.1120
270.000	-.0707
315.000	.1994

ALPHAT(5) = 8.150 BETAT (1) = -8.220

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0940	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.4250	.6058	.4716	-.2134	-.0417	-.0701	.0184	.0699	.0606	.0845	.2884	-.0699	-.1596	.1011	.1799
45.000		.5404	.4561	-.2159	-.0965	-.0149							.0055	.3584	.4002
90.000		.3643	.3549	-.2723	-.1594	-.1071	-.1194	-.1138	.0374	.0340	.3591	.1433	.0122	.3489	.3382
135.000		.1948	.2240	-.3367	-.2772	-.1665							-.1272	.0995	.0086
180.000	1.4250	.1239	.1726	-.3734	-.1977	-.2179	-.0727	-.0060	.0278	.1241	.3311	-.0642	-.2988	-.1593	-.2593
225.000		.2378	.0325	-.3401	-.2650	-.2303	-.0797						-.3533	-.1225	-.1014
270.000		.4464	.0630		-.2593	-.2404	-.0370	.0906			.2458	-.2630	-.2048	-.1039	-.0632
315.000		.5924	.5325	-.1227	-.1987	-.0926	.0376						-.2290	.0097	-.0072

X/LS .9580

PHI	
.000	.1795
45.000	.3730
90.000	.2896
135.000	-.0653
180.000	-.2735
225.000	.0259
270.000	-.0503
315.000	-.0366

ALPHAT(5) = 8.170 BETAT (2) = -4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0940	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3930	.4665	.4532	-.2191	-.0454	-.1014	.0493	.0368	.0052	.0395	.2035	-.0730	-.1330	.1759	.2724
45.000		.4041	.3948	-.2454	-.1414	-.0946							-.0196	.3150	.3563
90.000		.2418	.2770	-.3066	-.2324	-.1668	-.1635	-.1297	-.0274	-.0324	.2951	.0931	-.0297	.2915	.2401
135.000		.1170	.1917	-.3469	-.2966	-.1689							-.1411	.0757	-.0317
180.000	1.3930	.0288	.1343	-.3435	-.1973	-.2354	-.0538	.0059	.0150	.0495	.3128	-.0518	-.2918	-.1192	-.2092
225.000		.1655	-.0165	-.3767	-.2685	-.3488	-.0408						-.3259	-.1010	-.0473

ASSY-716 1414 (6+712+312)25 SRM BOOSTER RB1551)

A PHAT(5) = 8.170 BETAT (2) = -4.100

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0940	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
270.000		.4158	.9554		-.2900	-.2563	.0009	.0317			.2140	-.2567	-.2011	-.1107	-.0614
315.000		.4413	.5369	-.1172	-.1953	-.1207	.0913						-.1951	.0377	.0319

X/LS .9580

PHI	
.000	.2577
45.000	.3303
90.000	.1992
135.000	-.1102
180.000	-.1753
225.000	-.0669
270.000	-.0618
315.000	.0035

A PHAT 5) = 8.160 BETAT (3) = .010

SECTION (1)SRM BOOSTER DEPENDENT VARIABLE CP

X/LS	.0000	.0340	.0940	.1150	.1440	.2010	.2870	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
PHI															
.000	1.3500	.4068	.4297	-.2272	-.0816	-.1107	.0041	-.0191	-.0260	.0150	.1016	-.0916	-.0959	.2883	.3503
45.000		.2995	.3226	-.2779	-.1971	-.1564							-.0466	.2763	.3094
90.000		.1493	.1855	-.3414	-.2814	-.2198	-.1774	-.0619	-.0292	-.0496	.2312	.0524	-.0657	.2282	.1436
135.000		.0493	.1387	-.3592	-.3041	-.1557							-.1542	.0760	-.0486
180.000	1.3500	-.2147	.1115	-.3575	-.1997	-.2394	-.0057	.0237	.0104	.0509	.2705	-.0895	-.2990	-.0862	-.0156
225.000		.0292	-.0416	-.3759	-.2033	-.3215	-.0454						-.2338	-.0305	.0741
270.000		.3072	.9794		-.2794	-.2723	.0191	.0008			.2967	-.2409	-.1884	-.1238	-.0677
315.000		.3920	.4378	-.1113	-.1932	-.1111	.0609						-.1606	.0936	.0869

X/LS .9580

PHI	
.000	.3196
45.000	.2959
90.000	.0989
135.000	-.1226
180.000	.2407
225.000	.0499
270.000	-.0551
315.000	.0909

SEC11-716 JA14 81+712+S12+Q5 SPM BOOSTER (RB1551)

ALPHAT 0 = 0.160 BETAT 0 = 0.200

SECTION 1 SPM BOOSTER DEPENDENT VARIABLE CP

P/S	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
RH1															
.000	1.3010	.3872	.4006	-.2629	-.0463	-.0830	-.0545	-.0966	-.0435	-.0160	.0375	-.1045	-.1100	.2791	.3505
45.000		.2124	.2423	-.3199	-.2566	-.2227							-.0887	.2439	.2768
90.000		-.0183	.1051	-.3822	-.3310	-.2551	-.1678	-.0554	-.0442	-.0662	.1889	.0117	-.0990	.2247	.1105
135.000		-.0162	.1067	-.3767	-.3054	-.1474							-.1752	.0737	.0930
180.000	1.3010	-.0544	.0940	-.3413	-.2464	-.3521	.0357	.0000	-.0576	.0656	.2201	-.1530	-.2978	-.0225	.2254
225.000		.0585	-.0468	-.3076	-.3142	-.3204	.0063						-.1983	-.0455	-.0228
270.000		.3781	.0189		-.3775	-.2000	-.0380	-.0328					-.2089	-.1525	-.0779
315.000		.4238	.5508	-.1078	-.1033	-.0267	.0940						-.1903	.0778	.1103

R/S .9580

RH1	
.000	.3490
45.000	.2466
90.000	.0826
135.000	.1253
180.000	.1795
225.000	-.0542
270.000	-.0441
315.000	.1847

ALPHAT S1 = 0.150 BETAT S1 = 0.400

SECTION 11 SPM BOOSTER DEPENDENT VARIABLE CP

P/S	.0000	.0340	.0980	.1150	.1440	.2010	.2970	.3730	.4880	.6030	.7180	.8330	.8900	.9170	.9390
RH1															
.000	1.2520	.4887	.3509	-.2711	-.0567	-.0667	-.1090	-.1240	-.0423	-.0420	.0730	-.1096	-.0663	.3217	.4569
45.000		.1888	.2410	-.3564	-.3309	-.2697							-.0535	.1899	.1913
90.000		-.1007	.0512	-.4178	-.3760	-.2771	-.1705	-.1495	-.0939	-.0733	.1915	-.0101	-.1135	.2419	.1611
135.000		-.1249	.0737	-.3986	-.3043	-.1714							-.2044	.1465	.2629
180.000	1.2520	.0374	.0946	-.3777	-.2612	-.3760	.0394	-.0235	-.0526	.0351	.1956	-.1755	-.1533	.1360	.1659
225.000		.0736	.0168	-.4010	-.3333	-.3233	.0231						-.1693	-.0734	-.0696
270.000		.3464	.6183		-.3946	-.2335	-.0577	-.0990					-.2193	-.1478	-.0660
315.000		.4128	.5513	-.1068	-.1055	-.0281	.0938						-.1699	.1804	.4061

R/S .9580

RH1	
.000	.4434
45.000	.1607
90.000	.0984
135.000	.1778
180.000	.0976

(RB1551)

SECTION 1 SHOCK BOOSTER COEFFICIENT VARIABLE CP

PHI	
225.000	-.0894
[illegible]	[illegible]
[illegible]	[illegible]