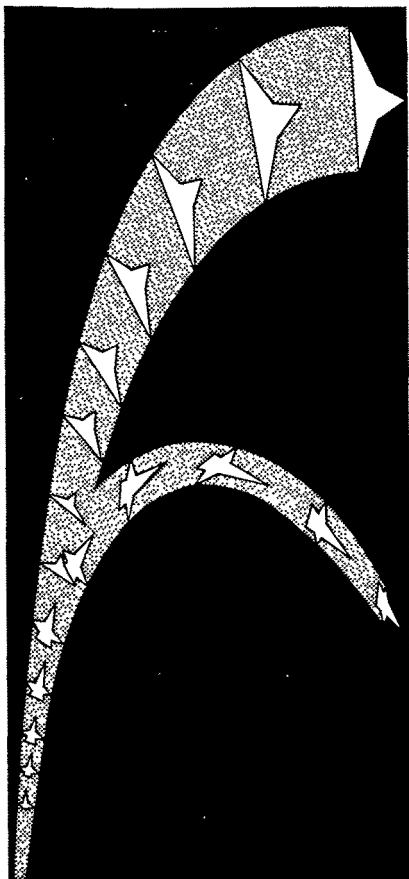


—SPACE SHUTTLE—

**STATIC LONGITUDINAL,
DIRECTIONAL AND LATERAL
CHARACTERISTICS AND CONTROL
SURFACE EFFECTIVENESS OF THE
MDAC-STS CANARD BOOSTER**

by

T.W. Jarrett, MDAC-W



SADSAC SPACE SHUTTLE
AEROTHERMODYNAMIC
DATA MANAGEMENT SYSTEM

CONTRACT NAS8-4016
MARSHALL SPACE FLIGHT CENTER

SPACE DIVISION



**CHRYSLER
CORPORATION**



**McDONNELL DOUGLAS - EAST
LOW SPEED WIND TUNNEL**

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SADSAC/SPACE SHUTTLE
WIND TUNNEL TEST DATA REPORT

CONFIGURATION: MDAC-STS Canard Booster

TEST PURPOSE: To Define Static Longitudinal, Directional and Lateral
Characteristics and to Determine Control Surface
Effectiveness.

TEST FACILITY: MDAC-E Low Speed Wind Tunnel

TESTING AGENCY: MDAC-W

TEST NO. & DATE: MDAC-LSWT-258; May 17 - 19, 1971

FACILITY COORDINATOR: J. Hrenak - MDAC-E

PROJECT ENGINEER(S): T. W. Jarrett - MDAC-W

DATA MANAGEMENT SERVICES

LIAISON: John E. Vaughn DATA OPERATIONS: B. J. Fricken
John E. Vaughn B. J. Fricken

RELEASE APPROVAL: J. S. Blum
for N. D. Kemp Supervisor
Aero Thermo Data Group

CONTRACT NAS 8-4016

AMENDMENT 153

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FACILITY COORDINATOR:

Mr. John Hrenak
Space Shuttle Project
c/o J. B. Fleming
P. O. Box 5941
Department E241
Berkeley, Missouri 63134

Phone: (314) 232-6647

PROJECT ENGINEER:

Mr. Thomas W. Jarrett
McDonnell-Douglas
5301 Bolsa Avenue
Bldg. 13, Mail Stop 14
Huntington Beach, California 92647

Phone: (213) 896-4903

SADSAC LIAISON:

Mr. John E. Vaughn
Chrysler Corp. Space Division
102 Wynn Drive
Department 4830
Huntsville, Alabama 35805

Phone: (205) 895-1560

SADSAC OPERATIONS:

Miss Betty J. Fricken
Chrysler Corp. Space Division
P. O. Box 29200
Department 2780
New Orleans, Louisiana 70129

Phone: (504) 255-2304

ABSTRACT

Experimental aerodynamic wind tunnel tests were conducted on a 3% model of the McDonnell Douglas Corporation (MDAC) Space Shuttle Booster in their St. Louis Low Speed Wind Tunnel during May 1971. The primary purpose of the test was to define the static longitudinal, directional and lateral aerodynamic characteristics as well as the control surface effectiveness of the unpowered version of the updated baseline booster and some of its geometric variations. Tests were conducted at a nominal Mach number of 0.26 ($q = 100$ psf) over an angle of attack range from -6° to 16° at 0° sideslip and over a sideslip range from -10° to 10° at 0° , 4° , 6° , 8° , and 10° angle of attack.

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SUMMARY

The low speed wind tunnel test results presented herein on a 3% unpowered model of the updated baseline booster of the space shuttle are the third series tests on the single body canard configuration. Aerodynamic force and moment coefficients in both the body and stability axis are given in plotted form showing the static, longitudinal and lateral-directional stability characteristics. Data were recorded at a constant nominal Mach number of 0.26 over a sideslip range from -10° to 10° at 0° , 4° , 6° , 8° , 10° angle of attack and over an angle of attack range from -6° to 16° at zero degrees sideslip. Reynolds number per unit length was 1.76 million per foot.

CONFIGURATIONS INVESTIGATED

The .030 scale Space Shuttle Booster model is a canard configuration with a high wing and fins on the wing tips. Figure 2 presents the general arrangement of the baseline design.

The baseline booster configuration incorporates a propulsive canard wherein the canard is provided with a trailing edge jet flap and houses the flyback jet engines. The jet flap can be rotated from a fully closed position to 60° trailing edge down in 15° increments. When operated, the propulsive canard design requires an air supply distribution system that will simulate mass flow from eight F-15 type engines over the canard flap.

Both the canard and wing are fabricated of metal and wood and have incidence settings of 3° . The wings are equipped with elevons having deflections of $\pm 30^\circ$, $\pm 20^\circ$, $\pm 10^\circ$, and 0° . The model has 2 sets of vertical tails, tip mounted on the wings. The wings have $7^\circ 40'$ dihedral with the tip mounted vertical tails fixed at an angle of 25° outboard with respect to the vertical and neither toe-in nor toe-out. The model booster body is 12.23 inch diameter and fabricated of wood and metal. Any mismatch of the various model component joints was faired to a smooth aerodynamic contour at assembly. A set of dual wheel landing gears was provided for a tricycle arrangement on the booster body.

COMPONENT DESIGNATIONS (Full Scale Sizes Given)

B3	241.5 ft long body
W5	High Wing, includes E3, $AR = 3.53$
J6	10 engine canard, L.E. at sta 1892, includes F2
J7	8 engine canard, L.E. at sta 1892, includes F1
J8	8 engine canard, L.E. at sta 2134, includes F1
J9	10 engine canard, L.E. at sta 2134, includes F1
F1	Jet flap on 8 engine canard
F2	Jet flap on 10 engine canard
E3	Elevon
N11	Rocket nozzle and base arrangement with full skirt
G1	Landing gear for high wing config.
V6	Wing tip fin, 437 ft ² each, includes R6
V7	Wing tip fin, 655 ft ² each, includes R7
R6	Rudder for V6
R7	Rudder for V7
V8	Wing tip ventral fin, 437 ft ² each, includes R8
R8	Rudder for V8
V9	Wing tip "lazy-Y" fin, combines both V6 and V8 fins with rudders

Pertinent dimensional information on the above described configuration components is given in the section entitled "Model Component Description Sheets." The Data Set Collation Sheets which follow immediately delineate the various configurations tested.

TEST LSWT-258 DATA SET COLLATION SHEET

☐ PRETEST
☒ POSTTEST

1 of 6

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. of RUNS	MACH NUMBERS													
		α	β	SE	SA	SR	SF		2.26													
RCZ-001	B3NHW5J6	-4	E	0	0	-	0	1	3													
002		0		0	0	-	0	1	4													
003		4		0	0	-	0	1	5													
004		6		0	0	-	0	1	6													
005		8		0	0	-	0	1	7													
006		10		0	0	-	0	1	8													
007		-4		0	20	-	0	1	9													
008		0		0	20	-	0	1	10													
009		4		0	20	-	0	1	11													
010		6		0	20	-	0	1	12													
011		8		0	20	-	0	1	13													
012		10		0	20	-	0	1	14													
013		0		5	30	-	0	1	15													
014		4		5	30	-	0	1	16													
015		6		5	30	-	0	1	17													
016	Y	8	Y	5	30	-	0	1	18													

6

1	7	13	19	25	31	37	43	49	55	61	67	75	76	
CD	CL	CLN	EY	CLN	CSL	CAB						MACH	BETA	
COEFFICIENTS:												IDPVAR(1)	IDPVAR(2)	NDV
SCHEDULES												E = -10, -8, -6, -4, -2, 0, 2, 4, 6, 8, 10		

MCAIR-
TEST LSWT-25P DATA SET COLLATION SHEET

☐ PRETEST
☒ POSTTEST

2 of 6

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. of RUNS	MACH NUMBERS															
		α	β	SE	SA	SR	STF		0.26															
RCZ021	B3N11W5J6V9	-4	E	0	0	0	0	1	25															
022		0		0	0	0	0	1	26															
023		4		0	0	0	0	1	27															
024		6		0	0	0	0	1	28															
025		8		0	0	0	0	1	29															
026		10		0	0	0	0	1	30															
027		-4		0	20	0	0	1	31															
028		0		0	20	0	0	1	32															
029		4		0	20	0	0	1	33															
030		6		0	20	0	0	1	34															
031		8		0	20	0	0	1	35															
032	V	10	Y	0	20	0	0	1	36															
034	B3N11W5J6V9	0	E	5	30	0	0	1	63															
035		4		5	30	0	0	1	64															
036		6		5	30	0	0	1	65															
037	V	8	Y	5	30	0	0	1	66															

1 7 13 19 25 31 37 43 49 55 61 67 75 76
 CD CL CLM FY CLN CSL FAB MACH BETA 7

COEFFICIENTS: _____ IDPVAR(1) IDPVAR(2) NDV

α or β _____

SCHEDULES _____

MCAIR-
TEST LSWT-258 DATA SET COLLATION SHEET

☐ PRETEST

☒ POSTTEST

3016

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. of RUNS	MACH NUMBERS									
		a	B	LF	LA	LR	EST		0.26									
RCZ045	B3N11W5JGV9	-4	E	0	0	10	0	1	50									
046		0		0	0	10	0	1	51									
047		4		0	0	10	0	1	52									
048		6		0	0	10	0	1	53									
049		8		0	0	10	0	1	54									
050		10		0	0	10	0	1	55									
051		-4		0	0	20	0	1	67									
052		0		0	0	20	0	1	68									
053		4		0	0	20	0	1	69									
054		6		0	0	20	0	1	70									
055		8		0	0	20	0	1	71									
056	✓	10	✓	0	0	20	0	1	72									
060	B3N11W5JGV9	-4	E	0	20	10	0	1	38									

8

1	7	13	19	25	31	37	43	49	55	61	67	75	76
CD	EL	FLM	FX	ELN	CSL	CAB					MACH	BETA	7

COEFFICIENTS:

a or B

SCHEDULES

→ IDPVAR(1) IDPVAR(2) NDV

MCAIR-
TEST LSWT-258 DATA SET COLLATION SHEET

☐ PRETEST

☒ POSTTEST

4 OF 6

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. of RUNS	MACH NUMBERS															
		α	β	SE	SA	SR	SF		0.26															
RCZ061	B3N11W5J6V9	0	E	0	20	10	0	1	39															
062		4		0	20	10	0	1	40															
063		6		0	20	10	0	1	41															
064		8		0	20	10	0	1	42															
065		10		0	20	10	0	1	43															
066		-4		0	-20	10	0	1	44															
067		0		0	-20	10	0	1	45															
068		4		0	-20	10	0	1	46															
069		6		0	-20	10	0	1	47															
070		8		0	-20	10	0	1	48															
071		10		0	-20	10	0	1	49															
072		0		0	0	10/0	0	1	56	R6/R8 DEFLECTION = SR														
073		4		0	0	10/0	0	1	57															
074		6		0	0	10/0	0	1	58															
075		8		0	0	10/0	0	1	59															
076	Y	10	Y	0	0	10/0	0	1	60		Y													
080	B3N11W5V9	0	E	0	0	0	-	1	75															

1 7 13 19 25 31 37 43 49 55 61 67 75 76
 CD CL CLM EY CLN ESL EAB MACH BETA 7

COEFFICIENTS:

α or β

SCHEDULES

⇒ IDPVAR(1) IDPVAR(2) NDV

MCAIR-
TEST LSWT-258 DATA SET COLLATION SHEET

☐ PRETEST

☒ POSTTEST

5066

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. of RUNS	MACH NUMBERS									
		α	β	NE	EA	EC	ED		0.26									
RCZ081	B3N11W5V9	4	E	0	0	0	-	1	76									
082		6		0	0	0	-	1	77									
083		8		0	0	0	-	1	78									
084		0		0	20	0	-	1	79									
085	V	4	V	0	20	0	-	1	80									
087	B3N11W5V9	8	E	0	20	0	-	1	81									
088		0		0	0	10	-	1	82									
089		4		0	0	10	-	1	83									
091	V	8	V	0	0	10	-	1	84									
092	B3N11W5V8	0	A	0	0	0	-	1	87									
093		4		0	0	0	-	1	88									
094		8		0	0	0	-	1	89									
095		0		0	20	0	-	1	90									
096		4		0	20	0	-	1	91									
097		8		0	20	0	-	1	92									
098		0		0	0	10	-	1	93									
099		4		0	0	10	-	1	94									
100	V	8	V	0	0	10	-	1	95									

10.1

7 13 19 25 31 37 43 49 55 61 67 75 76
CD CL FLM CY FLN CSL CAB MACH BETA 7

COEFFICIENTS:

α or β

SCHEDULES

A = -4, -2, 0, 2, 4, 6

IDPVAR(1) IDPVAR(2) NDV

MCAIR -
TEST LSWT-258 DATA SET COLLATION SHEET

☐ PRETEST
☒ POSTTEST

6 of 6

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. of RUNS	MACH NUMBERS															
		α	β	SE	SA	AL	SJF		2.26															
SCZ101	B3N11W5J6	D	0	0	0	-	0	1	2															
102			0	10	0	-	0	1	20															
103			0	-10	0	-	0	1	19															
104	Y	Y	0	20	0	-	0	1	21															
106	B3N11W5J6V9	D	0	0	0	0	0	1	24															
107			0	10	0	0	0	1	61															
108			0	-10	0	0	0	1	62															
109	Y	Y	0	20	0	0	0	1	23															
111	B3N11W5V9	D	0	0	0	0	-	1	74															
112	B3N11W5V8	C	0	0	0	0	-	1	86															

1 7 13 19 25 31 37 43 49 55 61 67 75.76

CD CL CLM CY CLN CSL CAB MACH ALPHA 7

COEFFICIENTS: C = -2, 0, 2, 4, 6, 8, 10, 12 $\Rightarrow$ IDPVAR(1) IDPVAR(2) NDV

α or β D = -6, -4, -2, 0, 2, 4, 6, 8, 10, 12, 14, 16

SCHEDULES

TEST FACILITY DESCRIPTION

The McDonnell Douglas Low Speed Wind Tunnel at St. Louis was used in this test. This is a closed circuit, single return, continuous flow, atmospheric wind tunnel. The test section is 8.5 ft by 12 ft by 18 ft. An auxiliary air supply (20 lb/sec at 300 psig) is available. The tunnel has a contraction ratio of 7.35/1 and a turbulence factor of 1.16. The tunnel circuit is cooled by externally sprayed water. This facility includes a propulsion test cell (20 ft x 30 ft x 15 ft) for testing powered models under zero airspeed conditions. A 1750 hp main drive with variable rpm provides the tunnel power.

This facility is capable of force and moment, pressure, flutter, inlet, two dimensional, and dynamic separation testing. The tunnel is equipped with an external pyramidal balance and internal strain gage balances. Model mounting consists of single-dual-triple struts, sting, and other special types of supports. A water spray system has been used for rain simulation testing. A pneumatic (using auxiliary air supply) auxiliary model power supply is available (6-70 hp; 30-200 hp). An auxiliary evacuation system (13 lb/sec at 1/2 atmospheres) for drawing air from the tunnel circuit is being used. Data is recorded with a Datex 9 channel and G.S.C. 20 channel recorders and reduced on a S.E.L. S10A Digital Computer, which is on site.

TEST CONDITIONS

Low speed testing of this model took place in the McDonnell Douglas 8.5 ft x 12 ft LSWT at St. Louis, Mo. The primary test conditions are those corresponding to the tunnel maximum continuous operating conditions, and are summarized in Table I.

A test run consisted of an angle of attack (α) sweep from -6° to 20° at a fixed sideslip angle (β) or a β sweep from -10° to 10° at a fixed α , thus providing longitudinal, directional, and lateral data.

The model installed in the low speed wind tunnel was supported by a single main strut and a pitch strut. Boundary layer trips were installed on the model body nose and on the canard, wind and tip fin leading edges.

Pressure instrumentation on the model consisted of (5) pressure orifices on the model base and (2) orifices at the exit plane of each nozzle as shown in Figure 3.

TABLE I
TEST CONDITIONS
TEST MCAIR-LSWT-258

[illegible]

BALANCE UTILIZED: Pyramidal External

CAPACITY:

Lift	RF	+ 3000 lbs
	SF	+ 1500 lbs
Drag	AF	+ 750 lbs
	PM	+ 1500 ft. lbs
	YM	+ 750 ft. lbs
	RM	+ 1500 ft. lbs

ACCURACY:

$$\begin{array}{r} +3 \text{ lbs.} \\ \hline + 1.5 \text{ lbs} \\ \hline + 0.75 \text{ lbs} \\ \hline + 1.5 \text{ ft. lbs.} \\ \hline + 0.75 \text{ ft. lbs} \\ \hline + 1.5 \text{ ft. lbs} \end{array}$$

COEFFICIENT
TOLERANCE:

COMMENTS :

DATA REDUCTION

FOR SADSAC

The six component aerodynamic force and moment data were reduced to coefficient form in the stability axis system using the following reference values:

$$S_{REF} = \text{model total planform area} = 9.00 \text{ ft}^2$$

$$l_{REF} = b_{REF} = \text{body length} = 6.00 \text{ ft}$$

Moments are about a reference c. g. location which is 61.74 inches aft of the model nose (85.75 percent reference body length) and .72 inch above the model centerline (1.0% reference body length).

The measured base pressures were reduced to coefficient form

$C_{P_x} = (P_x - P_o)/q_o$ and then used to provide an axial force coefficient increment as follows:

$$C_{A_B} = - \frac{C_{P_2} + C_{P_3} + C_{P_4} + C_{P_5}}{4} \times \frac{A_B - A_N}{S} \\ + \frac{C_{P_6} + C_{P_7} + C_{P_8} + C_{P_9}}{4} \times \frac{A_N}{S}$$

where

$$\frac{A_B - A_N}{S} = .0531$$

and

$$\frac{A_N}{S} = .0303$$

Pressure coefficients 2 thru 5 are for base plate static pressures and 6 thru 9 are for static pressures at the nozzle exit plane; see Figure 3 for the locations of the various numbered pressure taps.

SUMMARY DATA PLOT INDEX

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	PAGES
Configuration Buildup			
- Longitudinal	(A)	Configuration	1-10
- Lateral	(B)	Configuration	11-13
Eleven Effectiveness Without Tip Fins	(A)	Eleven	14-23
Lateral Characteristics - W/O Tip Fins at Various Eleven Deflections	(B)	Eleven	24-26
Eleven Effectiveness With Tip Fins V9	(A)	Eleven	27-36
Lateral Characteristics - With Tip Fins V9 at Various Eleven Deflections	(B)	Eleven	37-39
Eleven Effects - Configuration B3N11W5J6			
Alpha = -4 - Lateral	(C)	Aileron	40-43
- Longitudinal	(D)	Aileron	44-50
Alpha = 0 - Lateral	(C)	Aileron, Eleven	51-54
- Longitudinal	(D)	Aileron, Eleven	55-61
Alpha = 4 - Lateral	(C)	Aileron, Eleven	62-65
- Longitudinal	(D)	Aileron, Eleven	66-72
Alpha = 6 - Lateral	(C)	Aileron, Eleven	73-76
- Longitudinal	(D)	Aileron, Eleven	77-83
Alpha = 8 - Lateral	(C)	Aileron, Eleven	84-87
- Longitudinal	(D)	Aileron, Eleven	88-94
Eleven Effects - Configuration B3N11W5J6V9			
Lateral - Alpha = -4	(C)	Aileron, Eleven	95-98
Alpha = 0	(C)	Aileron, Eleven	99-102
Alpha = 4	(C)	Aileron, Eleven	103-106
Alpha = 6	(C)	Aileron, Eleven	107-110
Alpha = 8	(C)	Aileron, Eleven	111-114
Alpha = 10	(C)	Aileron, Eleven	115-118
Longitudinal - Alpha = -4	(D)	Aileron, Eleven	119-125
Alpha = 0	(D)	Aileron, Eleven	126-132
Alpha = 4	(D)	Aileron, Eleven	133-139
Alpha = 6	(D)	Aileron, Eleven	140-146
Alpha = 8	(D)	Aileron, Eleven	147-153
Alpha = 10	(D)	Aileron, Eleven	154-160

Note: Plotted Coefficients Schedule listed on page 20.

SUMMARY DATA PLOT INDEX
(CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	PAGES
Rudder Effects - Configuration B3N11W5J6V9			
Lateral - Alpha = -4	(C)	Rudder	161-164
Alpha = 0	(C)	Rudder	165-168
Alpha = 4	(C)	Rudder	169-172
Alpha = 6	(C)	Rudder	173-176
Alpha = 8	(C)	Rudder	177-180
Alpha = 10	(C)	Rudder	181-184
Longitudinal - Alpha = -4	(D)	Rudder	185-191
Alpha = 0	(D)	Rudder	192-198
Alpha = 4	(D)	Rudder	199-205
Alpha = 6	(D)	Rudder	206-212
Alpha = 8	(D)	Rudder	213-219
Alpha = 10	(D)	Rudder	220-226
Aileron Effects - Configuration B3N11W5J6V9			
With Rudder = 10			
Lateral - Alpha = -4	(C)	Aileron	227-230
Alpha = 0	(C)	Aileron	231-234
Alpha = 4	(C)	Aileron	235-238
Alpha = 6	(C)	Aileron	239-242
Alpha = 8	(C)	Aileron	243-246
Alpha = 10	(C)	Aileron	247-250
Longitudinal - Alpha = -4	(D)	Aileron	251-257
Alpha = 0	(D)	Aileron	258-264
Alpha = 4	(D)	Aileron	265-271
Alpha = 6	(D)	Aileron	272-278
Alpha = 8	(D)	Aileron	279-285
Alpha = 10	(D)	Aileron	286-292
Effects of J6 on Rudder Effectiveness With V9			
And Aileron = 0			
Alpha = 0	(C)	Rudder	293-296
Alpha = 4	(C)	Rudder	297-300
Alpha = 6	(C)	Rudder	301-304
Alpha = 8	(C)	Rudder	305-308

Note: Plotted Coefficients Schedule listed on page 20.

SUMMARY DATA PLOT INDEX
(CONTINUED)

TITLE	PLOTTED COEFFICIENTS SCHEDULE	CONDITIONS VARYING	PAGES
Effects of J6 on Longitudinal Characteristics With V9 and Aileron = 0			
Alpha = 0	(D)	Rudder	309-315
Alpha = 4	(D)	Rudder	316-322
Alpha = 6	(D)	Rudder	323-329
Alpha = 8	(D)	Rudder	330-336
Effects of J6 With V9 and Aileron = 20			
Lateral - Alpha = 0	(C)	Configuration	337-340
Alpha = 4	(C)	Configuration	341-344
Alpha = 8	(C)	Configuration	345-348
Longitudinal - Alpha = 0	(D)	Configuration	349-355
Alpha = 4	(D)	Configuration	356-362
Alpha = 8	(D)	Configuration	363-369
Comparison of V8 and V9 Without J6 And Aileron = 0			
Lateral - Alpha = 0	(C)	Rudder	370-373
Alpha = 4	(C)	Rudder	374-377
Alpha = 8	(C)	Rudder	378-381
Longitudinal - Alpha = 0	(D)	Rudder	382-388
Alpha = 4	(D)	Rudder	389-395
Alpha = 8	(D)	Rudder	396-402
Comparison of V8 and V9 Without J6 And Aileron = 20			
Lateral - Alpha = 0	(C)	Configuration	403-406
Alpha = 4	(C)	Configuration	407-410
Alpha = 8	(C)	Configuration	411-414
Longitudinal - Alpha = 0	(D)	Configuration	415-421
Alpha = 4	(D)	Configuration	422-428
Alpha = 8	(D)	Configuration	429-435

Note: Plotted Coefficients Schedule listed on page 20.

SUMMARY DATA PLOT INDEX
(CONTINUED)

PLOTTED COEFFICIENTS SCHEDULE:

- (A) CL, CIM, CD, L/D, CDB, CL^2 , CN, CA vs. α
CL vs. CD, CN vs. CIM
- (B) CY, CYN, CBL vs. α
- (C) CY, CYN, CBL vs. β , CY vs. CYN
- (D) CN, CA, CL, CIM, CD, L/D, CDB vs. β

TABLE II. SADSAC NOMENCLATURE OF AERODYNAMIC COEFFICIENTS

COEFFICIENT	COEFFICIENT NAME	SADSAC NOMENCLATURE		
		BODY AXIS	STABILITY AXIS	WIND AXIS
CA	Total Axial Force	CA	-	-
CAB	Base Axial Force	CAB	--	-
CAF	Forebody Axial Force	CAF	-	-
CD	Total Drag Force	-	CD	CDTOTL
CDB	Base Drag Force	-	CDB	CDBASE
CDF	Forebody Drag Force	-	CDF	CDFORE
CL	Lift Force	-	CL	CL
CN	Normal Force	CN	-	-
CY	Side Force	CY	CY	CC
C _l	Rolling Moment	CBL	CSL	CWL
C _m	Pitching Moment	CLM	CLM	CPM
C _n	Yawing Moment	CYN	CLN	CLN
L/D	Lift-To-Drag Force Ratio	-	L/D	CL/CD
L/D	Lift-To-Forebody Drag Force Ratio	-	L/DF	CL/CDF
N/A	Normal-To-Axial Force Ratio	N/A	-	-
N/A	Normal-To-Forebody Axial Force Ratio	CN/CAF	-	-

FIGURES

Notes:

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

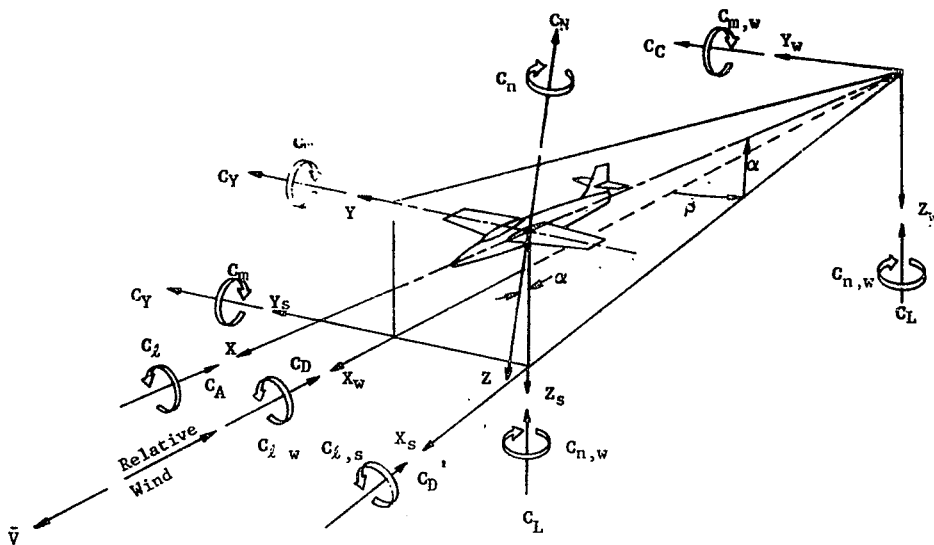
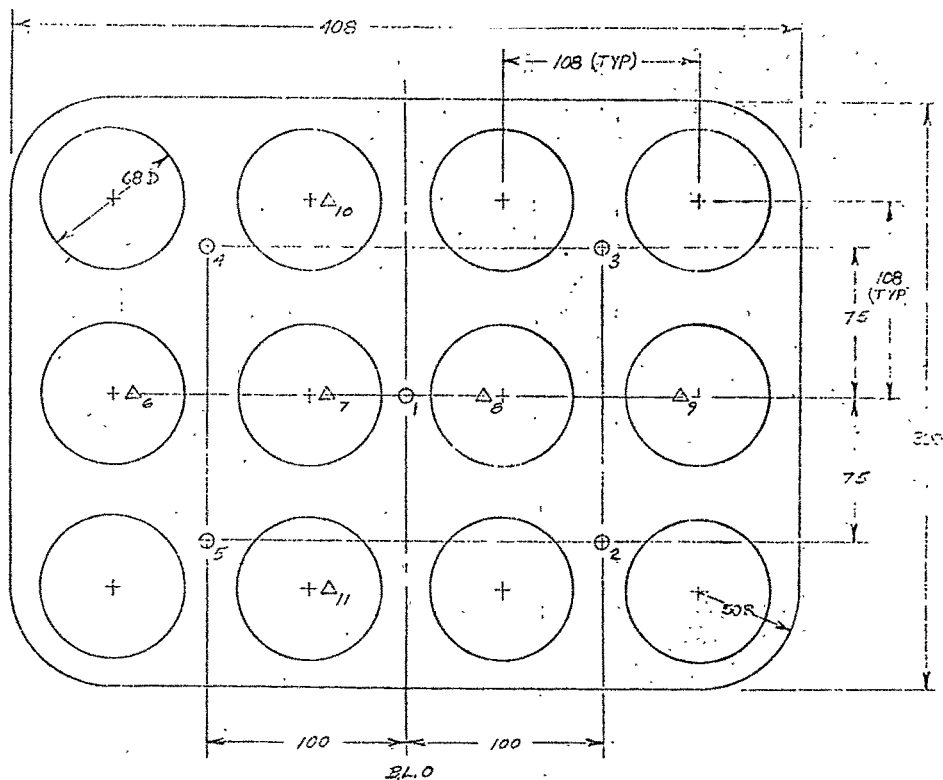


Figure 1. Axis systems, showing direction and sense of force and moment coefficients, angle of attack, and sideslip angle



- PRESSURE TAPS ON BASE PLATE, TAPS 1 THRU 5.
 △ PRESSURE TAPS ON NOZZLE EXITS, TAPS 6 THRU 11.

DIMENSIONS SHOWN ARE FULL SCALE IN INCHES
 BASE AREA = 834 FT² , NOZZLE EXIT AREA IS 303 FT²

FIGURE 3. BASE PRESSURE TAP LOCATIONS

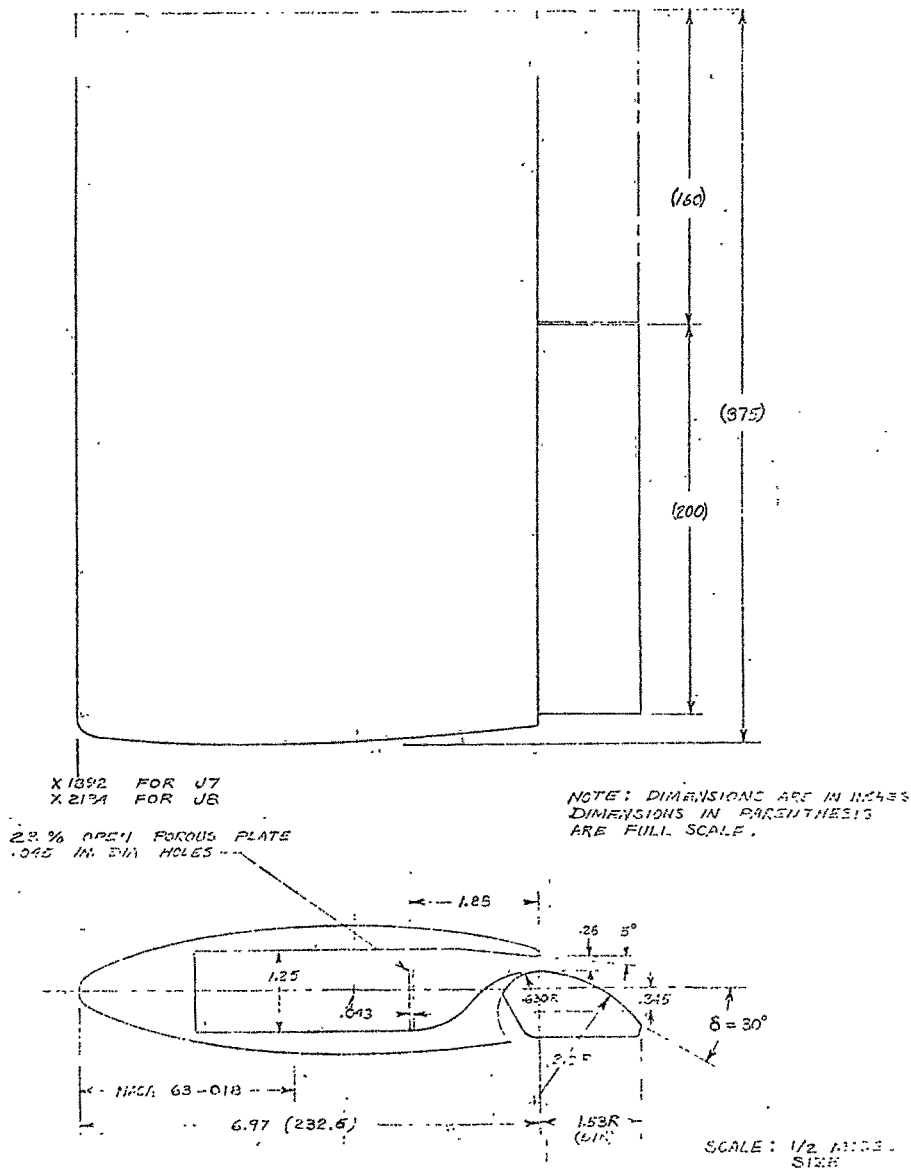


FIGURE 4. JET CANARD, J₇ AND J₆

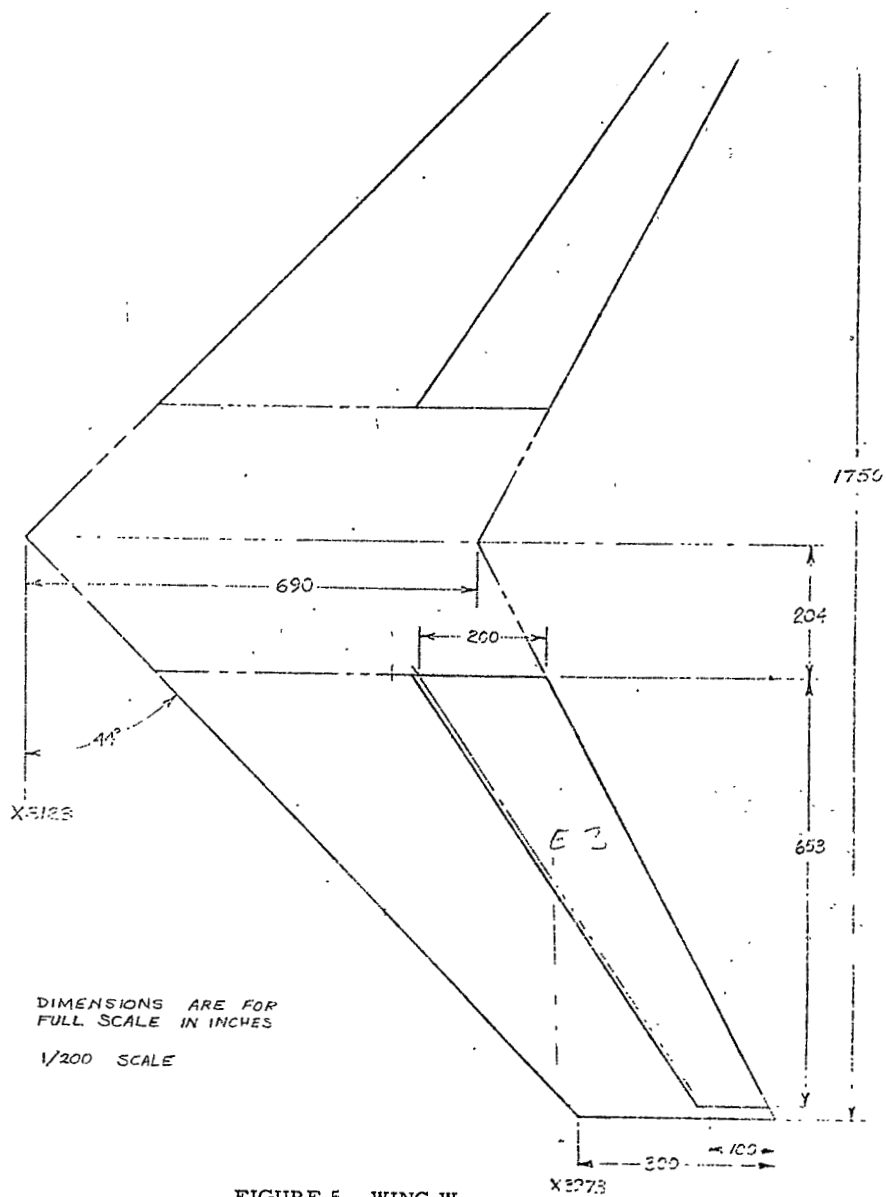
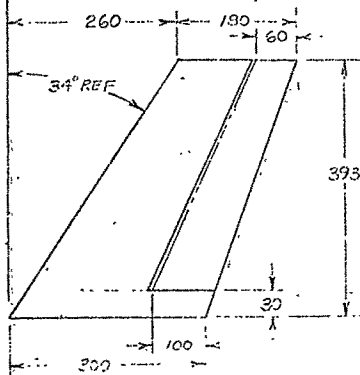


FIGURE 5. WING W₅

X3973

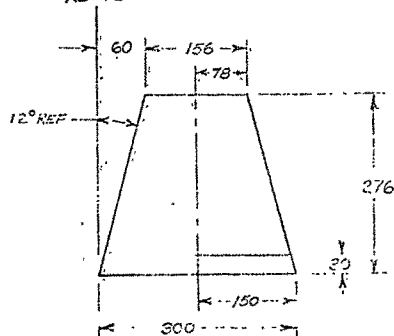


TIP FIN V7

DIMENSIONS ARE FOR
FULL SCALE IN INCHES

1/200 SCALE

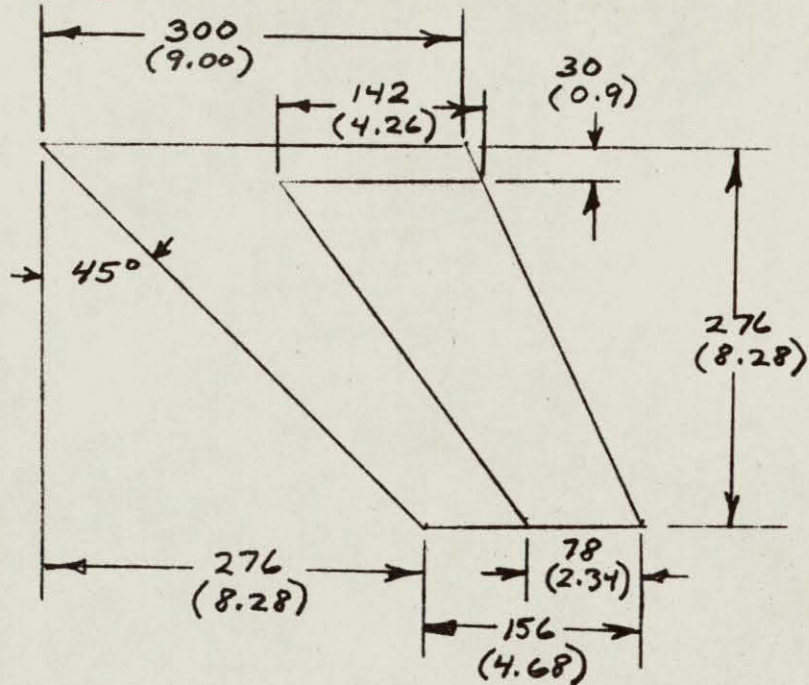
X3973



TIP FIN V6

FIGURE 6. WING TIP FINS V₆, V₇

FS 3973
(119.19)

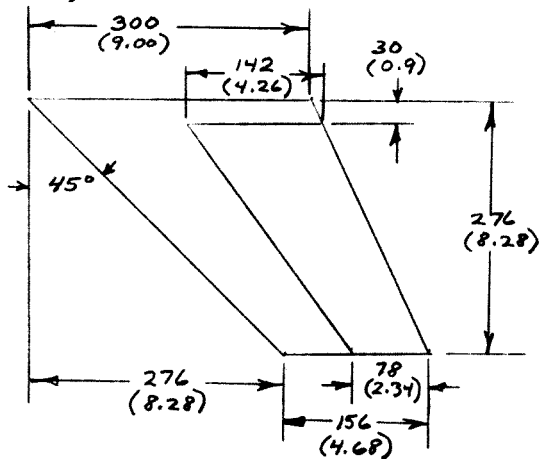


NOTES:

- ALL DIMENSIONS IN INCHES
- MODEL DIMENSIONS IN PARENTHESES, ALL OTHERS FULL SCALE
- FUSELAGE NOSE AT F.S. 1030

FIGURE 7. VENTRAL TIP FIN V₈R₈

FS 3973
(119.19)



NOTES:

- ALL DIMENSIONS IN INCHES
- MODEL DIMENSIONS IN PARENTHESES, ALL OTHERS FULL SCALE
- FUSELAGE NOSE AT F.S. 1030

FIGURE 7. VENTRAL TIP FIN V₈R₈

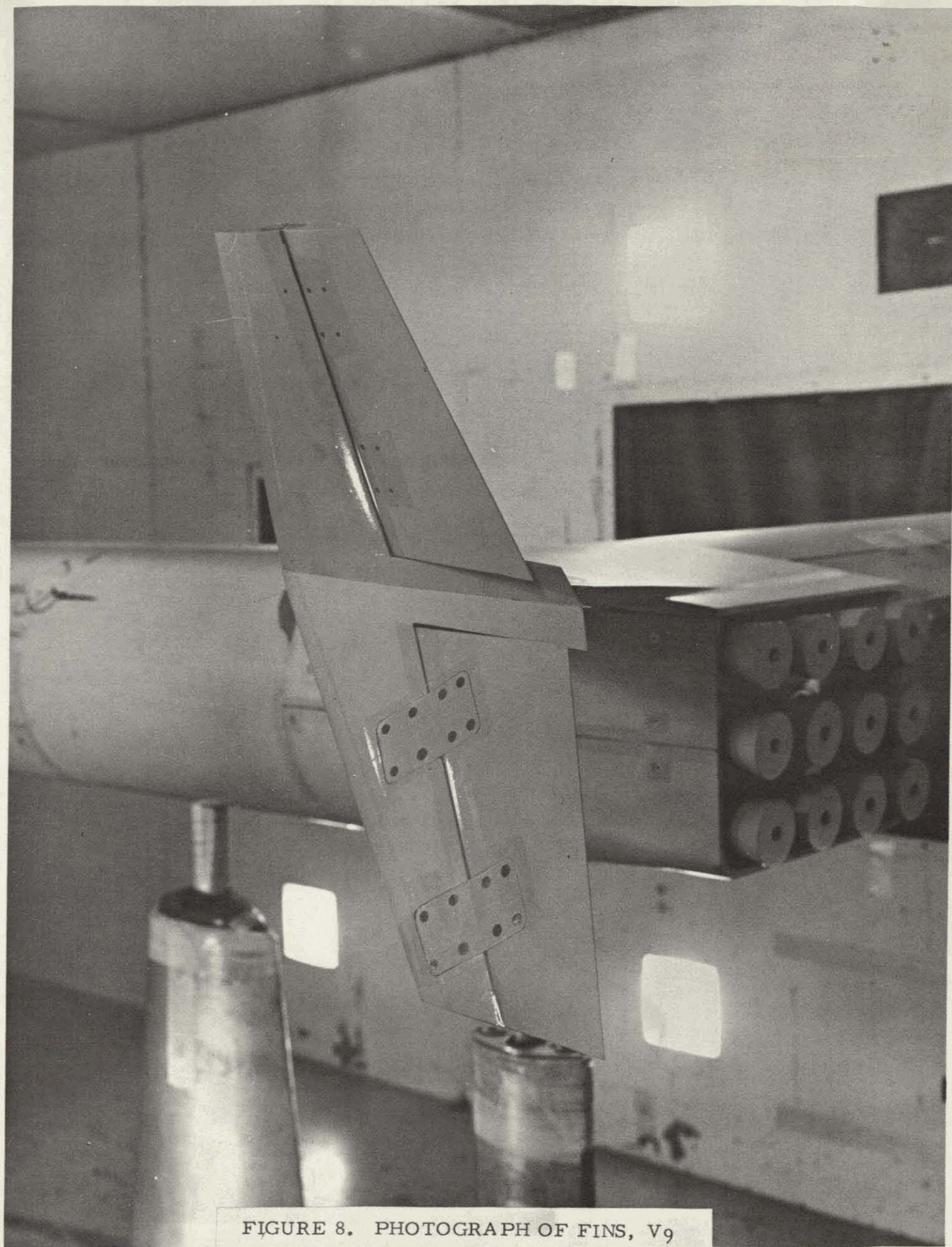


FIGURE 8. PHOTOGRAPH OF FINS, V₉

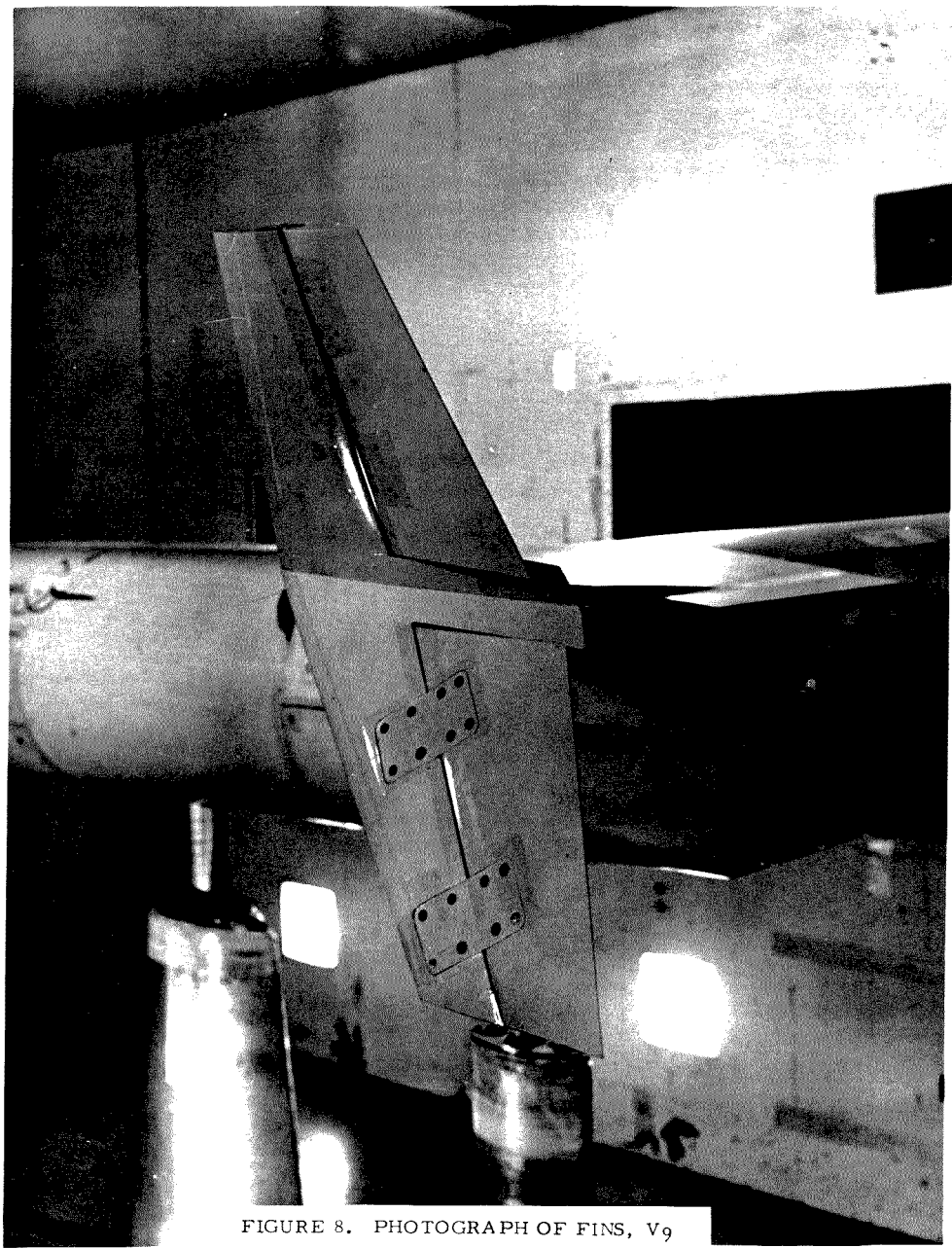


FIGURE 8. PHOTOGRAPH OF FINS, V₉



FIGURE 9. PHOTOGRAPH OF BOOSTER MODEL INSTALLED IN McAIR LOW SPEED WIND TUNNEL

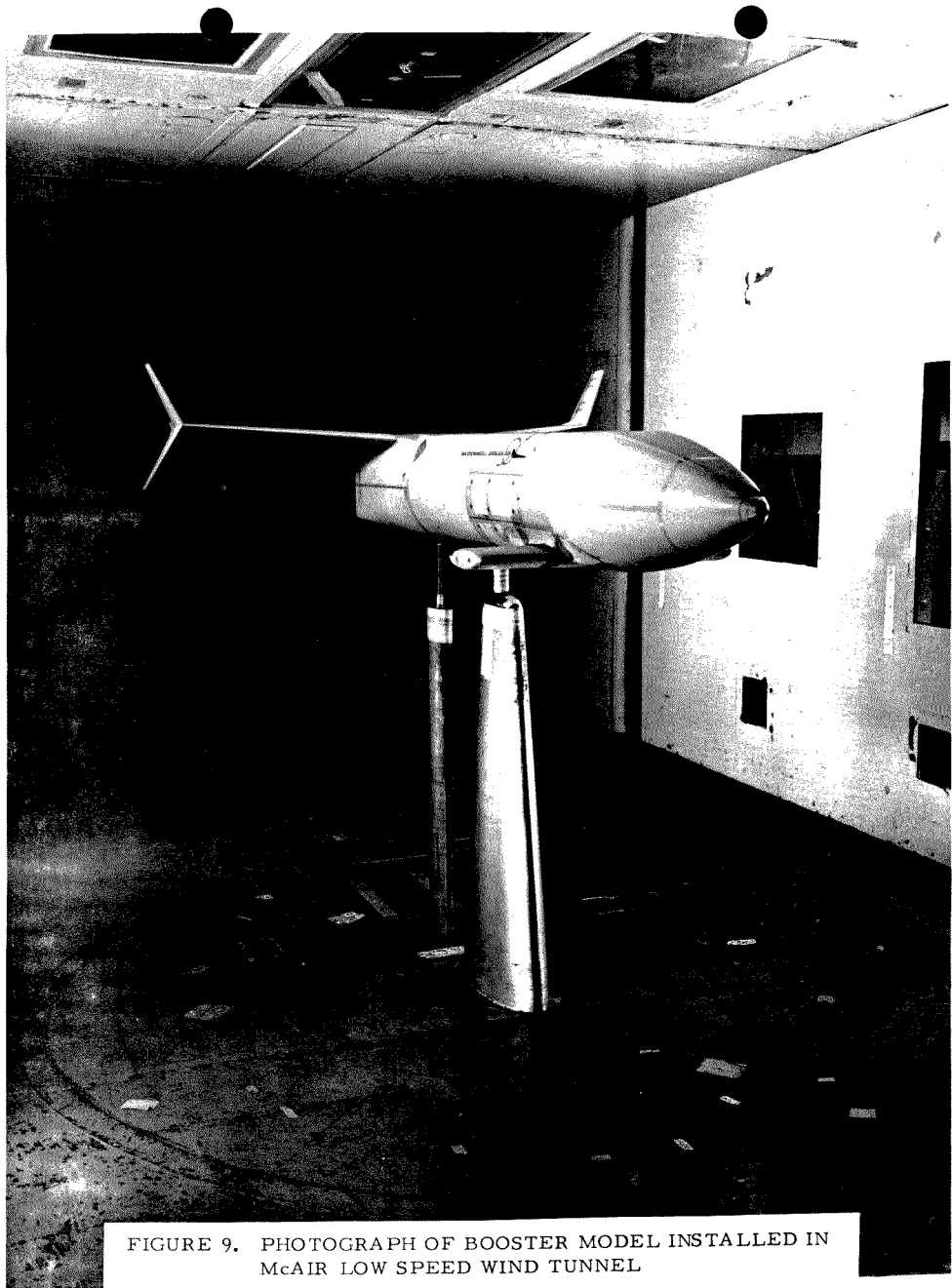


FIGURE 9. PHOTOGRAPH OF BOOSTER MODEL INSTALLED IN McAIR LOW SPEED WIND TUNNEL

MODEL COMPONENT DESCRIPTION SHEETS

MODEL COMPONENT DESCRIPTION SHEETS

3% LOW SPEED BOOSTER MODEL SPECIFICATIONS

MODEL COMPONENT: BODY - B3

GENERAL DESCRIPTION: Basically a nose-cylinder shape faired to a
rectangular base.

NOTE: Full scale nose station is at X1030

DRAWING NUMBER: IT-46651

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE(.03)</u>
Length, in.	<u>2887</u>	<u>86.61</u>
Max. Width, in.	<u>408</u>	<u>12.25</u>
Max. Depth, in.	<u>408</u>	<u>12.25</u>
Fineness Ratio	<u>7.1</u>	<u>7.1</u>
Area		
Max. Cross-Sectional ft^2	<u>908</u>	<u>.817</u>
Planform, ft^2	<u>7513</u>	<u>6.76</u>
Wetted, ft^2	<u>22965</u>	<u>20.7</u>
Base, ft^2	<u>856</u>	<u>.770</u>

MODEL COMPONENT: Wing - W5 (see Figure 5)

GENERAL DESCRIPTION: Swept, tapered airfoil mounted high on aft end of body.

DRAWING NUMBER: 256-19-0001

DIMENSIONS:

FULL-SCALE

MODEL SCALE (.03)

TOTAL DATA

Area, ft ²		
Planform	6020.	5.42
Wetted	8360.	7.52
Span (equivalent)	1750.	52.5
Aspect Ratio	3.54	3.54
Rate of Taper	--	--
Taper Ratio	.435	.435
Dihedral Angle, degrees	7.67	7.67
Incidence Angle, degrees	3.0	3.0
Aerodynamic Twist, degrees	0	0
Toe-In Angle	--	--
Cant Angle	--	--
Sweep Back Angles, degrees		
Leading Edge	44	44
Trailing Edge	28	28
0.25 Element Line	40	40
Chords: INCH		
Root (Wing Sta. 0.0)	690	20.7
Tip, (equivalent)	300	9.0
MAC	520	15.6
Fus. Sta. of .25 MAC	X3625	
W.P. of .25 MAC	Z603	
B.L. of .25 MAC	Y380	
Airfoil Section		
Root	NACA0010-64	NACA 0010-64
Tip	"	"

EXPOSED DATA

Area, ft ²	4180.	3.77
Span, (equivalent) inch	1342.	40.3
Aspect Ratio	3.0	3.0
Taper Ratio	.5	.5
Chords, inch		
Root	599.	18.0
Tip	300.	9.0
MAC	465.	14.0
Fus. Sta. of .25 MAC	X3728	
W.P. of .25 MAC	Z637	
B.L. of .25 MAC	Y502	

MODEL COMPONENT: Elevon E3

GENERAL DESCRIPTION: Elevons on wing W4. Area shown is for each elevon,
hingeline aft

DRAWING NUMBER: IT 40648

DIMENSIONS:

	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area, ft ²	<u>617.</u>	<u>0.555</u>
Span (equivalent), in.	<u>650.</u>	<u>19.50</u>
Inb'd equivalent chord, in.	<u>180.</u>	<u>5.41</u>
Outb'd equivalent chord, in.	<u>93.</u>	<u>2.79</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.3</u>	<u>0.3</u>
At Outb'd equiv. chord	<u>0.3</u>	<u>0.3</u>
Sweep Back Angles, degrees		
Leading Edge	<u>33°</u>	<u>33°</u>
Tailing Edge	<u>27°</u>	<u>27°</u>
Hingeline	<u>33°</u>	<u>33°</u>
Area Moment (Normal to hinge line)	<u>2998 ft³</u>	<u>139.9 in.³</u>

GENERAL DESCRIPTION: Rectangular planform with 20% chord flap. Has flap setting of zero only.

DRAWING NUMBER: 256-19-0001

DIMENSIONS:

FULL-SCALE

MODEL SCALE

TOTAL DATA

Area, ft²
 Planform
 Wetted
 Span (equivalent), inch
 Aspect Ratio
 Rate of Taper
 Taper Ratio
 Dihedral Angle, degrees
 Incidence Angle, degrees
 Aerodynamic Twist, degrees
 Toe-In Angle
 Cant Angle
 Sweep Back Angle, degrees
 Leading Edge
 Trailing Edge
 0.25 Element Line
 Chords, inch
 Root
 Tip, (equivalent)
 MAC
 Fus. Sta. of .25 MAC
 W.P. of .25 MAC
 B.L. of .25 MAC
 Airfoil Section
 Root
 Tip

1656.	1.49
2060.	1.855
846.	25.4
3.0	3.0
---	---
1.0	1.0
0	0
3.	3.
0	0
---	---
---	---
0	0
0	0
0	0
282.	8.46
282.	8.46
282.	8.46
X1962.	
Z231.	
Y211.5	

Front 35% of theoretical 360 inc chord is NACA 63-018

EXPOSED DATA

Area, ft²
 Span, (equivalent) inch
 Aspect Ratio
 Taper Ratio
 Chords, inch
 Root
 Tip
 MAC
 Fus. Sta. of .25 MAC
 W.P. of .25 MAC
 B.L. of .25 MAC

1030.	.930
526	.473
1.86	1.86
1.0	1.0
282.	8.46
282.	8.46
282.	8.46
X1962.	
Z231.	
Y291.5	

MODEL COMPONENT: Jet Canard J7 (see Figure 4)

GENERAL DESCRIPTION: Same as J8 except sta for .25 MAC at X 1962 and no provision for simulating power effects.

DRAWING NUMBER: IT40606

DIMENSIONS: FULL-SCALE MODEL SCALE

TOTAL DATA

Area, ft ²		
Planform	1470.	1.32
Wetted	1684.	1.52
Span (equivalent)	750.	22.5
Aspect Ratio	2.66	2.66
Rate of Taper	--	--
Taper Ratio	1:0	1.0
Dihedral Angle, degrees	0	0
Incidence Angle, degrees	3.	3.
Aerodynamic Twist, degrees	0	0
Toe-In Angle	--	--
Cant Angle	--	--
Sweep Back Angles, degrees		
Leading Edge	0	0
Trailing Edge	0	0
0.25 Element Line	0	0
Chords: inch		
Root (1170 x 360 x 0.25)	282.	8.46
Tip, (equivalent)	282.	8.46
MAC	282.	8.46
Fus. Sta. of .25 MAC	X1962	
W.P. of .25 MAC	Z231.	
B.L. of .25 MAC	Y187.5	
Airfoil Section		
Root	Front 35% of theoretical 360 in. chord is NACA 63-018	
Tip		

EXPOSED DATA

Area, ft ²	842.	.758
Span, (equivalent) inch	430.	.367
Aspect Ratio	1.52	1.52
Taper Ratio	1.0	1.0
Chords, inch		
Root	282.	8.46
Tip	282.	8.46
MAC	282.	8.46
Fus. Sta. of .25 MAC	X1962	
W.P. of .25 MAC	Z231.	
B.L. of .25 MAC	Y267.5	

MODEL COMPONENT: Jet Canard J8 (See Figure 4)

GENERAL DESCRIPTION: Rectangular planform with 20% chord flap. Has provisions to regulate power effects with cold flow jet. Has jet flap settings of -30, 0, 15, 30, 45 and 60 degrees

DRAWING NUMBER: IT40606

DIMENSIONS:

FULL-SCALE

MODEL SCALE

TOTAL DATA

Area, ft ²		
Planform	1470.	1.32
Wetted	1684.	1.52
Span (equivalent)	750.	22.5
Aspect Ratio	2.66	2.66
Rate of Taper	--	--
Taper Ratio	1.0	1.0
Dihedral Angle, degrees	0	0
Incidence Angle, degrees	3.	3.
Aerodynamic Twist, degrees	0	0
Toe-In Angle	--	--
Cant Angle	--	--
Sweep Back Angles, degrees		
Leading Edge	0	0
Trailing Edge	0	0
0.25 Element Line	0	0
Chords: inch		
Root (King Stake)	282.	8.46
Tip, (equivalent)	282.	8.46
MAC	282.	8.46
Fus. Sta. of .25 MAC	X2204.	
W.P. of .25 MAC	Z231.	
B.L. of .25 MAC	Y187.5	
Airfoil Section		
Root }	Front 35% of theoretical 35% in. chord is NACA 63-013	
Tip }		

EXPOSED DATA

Area, ft ²	842.	.758
Span, (equivalent) inch	430.	.387
Aspect Ratio	1.52	1.52
Taper Ratio	1.0	1.0
Chords, inch		
Root	282.	8.46
Tip	282.	8.46
MAC	282.	8.46
Fus. Sta. of .25 MAC	X2204.	
W.P. of .25 MAC	Z231.	
B.L. of .25 MAC	Y267.5	

MODEL COMPONENT: Jet Flap Fl

GENERAL DESCRIPTION: Jet flap for 8-engine canards (J7, J8 and J10).

Flap can be set at -30, 0, 15, 30, 45 and 60 degrees on J10.

DRAWING NUMBER: IT 40647

<u>DIMENSIONS: (each panel)</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area (hinge line to t.e.), ft ²	<u>70.8</u>	<u>.0637</u>
Span (equivalent), in.	<u>200</u>	<u>6.00</u>
Inb'd equivalent chord	<u>51</u>	<u>1.53</u>
Outb'd equivalent chord	<u>51</u>	<u>1.53</u>
} hinge line to t.e., in.		
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>.182</u>	<u>.182</u>
At Outb'd equiv. chord	<u>.182</u>	<u>.182</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0</u>	<u>0</u>
Tailing Edge	<u>0</u>	<u>0</u>
Hingeline	<u>0</u>	<u>0</u>
Area Moment (Normal to hinge line)	<u>150 ft³</u>	<u>7.02 in.³</u>

MODEL COMPONENT: Jet Flap F3

GENERAL DESCRIPTION: Jet flap for 10-engine canard (J6 and J9),

Can be set at zero degrees only

DRAWING NUMBER: IT 40647

<u>DIMENSIONS: (each panel)</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area(hinge line to t.e.), ft^2	<u>86.2 ft^2</u>	<u>.0776 ft^2</u>
Span (equivalent), in.	<u>243</u>	<u>7.30</u>
Inb'd equivalent chord } hinge line	<u>51</u>	<u>1.53</u>
Outb'd equivalent chord } to t.e., in.	<u>51</u>	<u>1.53</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>.182</u>	<u>.182</u>
At Outb'd equiv. chord	<u>.182</u>	<u>.182</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0</u>	<u>0</u>
Tailing Edge	<u>0</u>	<u>0</u>
Hingeline	<u>0</u>	<u>0</u>
Area Moment (Normal to hinge line)	<u>239 ft^3</u>	<u>8.54 in^3</u>

MODEL COMPONENT: Vertical Fin V6 (See Figure 6)

GENERAL DESCRIPTION: Model has 2 vertical fins, one at each wing tip.

DRAWING NUMBER: 256-19-0001

DIMENSIONS: FULL-SCALE MODEL SCALE

TOTAL DATA, per panel

Area, ft ²		
Planform	437.	.393
Wetted	874.	.786
Span (equivalent) inch	276.	8.28
Aspect Ratio	1.21	1.21
Rate of Taper	--	--
Taper Ratio	.52	.52
Dihedral Angle, degrees	65.	65.
Incidence Angle, degrees	--	--
Aerodynamic Twist, degrees	0	0
Toe-In Angle	0	0
Cant Angle	25.	25.
Sweep Back Angle, degrees		
Leading Edge	12.0	12.0
Trailing Edge	-17.0	-17.0
0.25 Element Line	7.0	7.0
Chords: inch		
Root (Wing Station 0000)	300.	9.0
Tip, (equivalent)	156.	4.68
MAC	236.	7.08
Fus. Sta. of .25 MAC	X4065	
W.P. of .25 MAC	Z753	
B.L. of .25 MAC	Y927	
Airfoil Section		
Root	NACA 0009-64	NACA 0009-64
Tip	"	"

EXPOSED DATA, per panel

Area, ft ²		
Span, (equivalent) inch		
Aspect Ratio		
Taper Ratio		
Chords, inch		
Root		
Tip		
MAC		
Fus. Sta. of .25 MAC		
W.P. of .25 MAC		
B.L. of .25 MAC		

Same as above

MODEL COMPONENT: Rudder R6

GENERAL DESCRIPTION: Rudder for unswept vertical fin V6.

Area shown is for each rudder from the hingeline aft.

DRAWING NUMBER: IT 40648

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area, ft^2	<u>185</u>	<u>.167</u>
Span (equivalent), in.	<u>244.</u>	<u>7.32</u>
Inb'd equivalent chord, in.	<u>141.</u>	<u>4.23</u>
Outb'd equivalent chord, in.	<u>78.0</u>	<u>2.34</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.5</u>	<u>0.5</u>
At Outb'd equiv. chord	<u>0.5</u>	<u>0.5</u>
Sweep Back Angles, degrees		
Leading Edge	<u>-2°</u>	<u>-2°</u>
Tailing Edge.	<u>-17°</u>	<u>-17°</u>
Hingeline	<u>-3°</u>	<u>-3°</u>
Area Moment (Normal to hinge line)	<u>871 ft^3</u>	<u>40.6 in.^3</u>

MODEL COMPONENT: Vertical Fin V7 (see Figure 6)

GENERAL DESCRIPTION: Swept airfoils, one mounted on each wing tip

DRAWING NUMBER:

DIMENSIONS:

FULL-SCALE

MODEL SCALE

TOTAL DATA

Area, ft ²		
Planform	655.	.59
Wetted	1310.	1.18
Span (equivalent)	393.	11.8
Aspect Ratio	1.64	1.64
Rate of Taper	--	--
Taper Ratio	.60	.60
Dihedral Angle, degrees	65.	65.
Incidence Angle, degrees	--	--
Aerodynamic Twist, degrees	0	0
Toe-In Angle	0	0
Cant Angle	25.	25.
Sweep Back Angles, degrees		
Leading Edge	34.	34.
Trailing Edge	20.	20.
0.25 Element Line	30.	30.
Chords: inch		
Root X119X245X300X	300.	9.0
Tip, (equivalent)	180.	5.4
MAC	245.	7.35
Fus. Sta. of .25 MAC	X4153	
W.P. of .25 MAC	Z804	
B.L. of .25 MAC	Y951	
Airfoil Section		
Root	NACA 0009-64	NACA 0009-64
Tip	"	"

EXPOSED DATA

Area		
Span, (equivalent)		
Aspect Ratio		
Taper Ratio		
Chords		
Root		
Tip		
MAC		
Fus. Sta. of .25 MAC		
W.P. of .25 MAC		
B.L. of .25 MAC		

Same
as
Above

MODEL COMPONENT: Rudder R7

GENERAL DESCRIPTION: Rudder for swept vertical fin V7

Area shown is for each rudder from the hingeline aft.

DRAWING NUMBER: IT 40648

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area, ft ²	<u>200.</u>	<u>.180</u>
Span (equivalent), in.	<u>361.</u>	<u>10.83</u>
Inb'd equivalent chord, in.	<u>98.7</u>	<u>2.96</u>
Outb'd equivalent chord, in.	<u>61.2</u>	<u>1.84</u>
Ratio: movable surface-chord/ total-surface chord		
At Inb'd equiv. chord	<u>.34</u>	<u>.34</u>
At Outb'd equiv. chord	<u>.34</u>	<u>.34</u>
Sweep Back Angles, degrees		
Leading Edge	<u>25°</u>	<u>25°</u>
Tailing Edge	<u>20°</u>	<u>20°</u>
Hingeline	<u>25°</u>	<u>25°</u>
Area Moment (Normal to hinge line)	<u>610 ft.³</u>	<u>28.5 in.³</u>

MODEL COMPONENT: Ventral Fin - V8 (See Figure 7)

GENERAL DESCRIPTION: Ventral stabilizers mounted on each wing tip, stations
are measured using full scale fuselage nose at FS 1030 in. and fuselage
 C_L at W.P. + 400 and B.P.O.

DRAWING NUMBER:

DIMENSIONS:

FULL-SCALE

MODEL SCALE

TOTAL DATA

Area (per panel including rudder at $\delta_R = 0$)

Planform	437. ft ²	0.393 ft ²
Wetted	874. ft ²	0.787 ft ²
Span (equivalent) inches	276.	8.28
Aspect Ratio	1.21	1.21
Rate of Taper	----	----
Taper Ratio	.52	.52
Dihedral Angle, degrees	-65.	-65.
Incidence Angle, degrees	----	----
Aerodynamic Twist, degrees	0	0
Toe-In Angle	0	0
Cant Angle	155.	155.
Sweep Back Angles, degrees		
Leading Edge	45.	45.
Trailing Edge	25.6	25.6
0.25 Element Line	41.0	41.0
Chords:		
Root (Wing Sta. 0.0)	300.	9.00
Tip, (equivalent)	156.	4.68
MAC	235.6	7.068
Fus. Sta. of .25 MAC	4155.	124.65
W.P. of .25 MAC	558.	16.74
B.L. of .25 MAC	927.	27.81
Airfoil Section		
Root	NACA 0009-64	NACA 0009-64
Tip	"	"

EXPOSED DATA

Area		
Span, (equivalent)		
Aspect Ratio		
Taper Ratio		
Chords		
Root	Same	
Tip	as	
MAC	above	
Fus. Sta. of .25 MAC		
W.P. of .25 MAC		
B.L. of .25 MAC		

MODEL COMPONENT: Rudder - R8

GENERAL DESCRIPTION: Rudder on ventral fin V8 dimensions are measured aft
of rudder hingeline

DRAWING NUMBER: _____

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area	<u>188.0 ft²</u>	<u>0.169 ft²</u>
Span (equivalent), inches	<u>246.0</u>	<u>7.38</u>
Inb'd equivalent chord, inches	<u>142.1</u>	<u>4.263</u>
Outb'd equivalent chord, inches	<u>78.0</u>	<u>2.34</u>
Ratio Elevator chord/horizontal tail chord		
At Inb'd equiv. chord	<u>.50</u>	<u>.50</u>
At Outb'd equiv. chord	<u>.50</u>	<u>.50</u>
Sweep Back Angles, degrees		
Leading Edge	<u>36.5</u>	<u>36.5</u>
Tailing Edge	<u>25.6</u>	<u>25.6</u>
Hingeline	<u>36.5</u>	<u>36.5</u>
Area Moment (Normal to hinge line)	<u>713.2 ft³</u>	<u>0.193 ft³</u>

NOMENCLATURE

(General)

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
α	ALPHA	angle of attack, angle between the projection of the wind X_w -axis on the body X, Z-plane and the body X-axis; degrees
β	BETA	sideslip angle, angle between the wind X_w -axis and the projection of this axis on the body X-Z-plane; degrees
ψ	PSI	yaw angle, angle of rotation about the body Z-axis, positive when the positive X-axis is rotated toward the positive Y-axis; degrees
ϕ	PHI	roll angle, angle of rotation about the body X-axis, positive when the positive Y-axis is rotated toward the positive Z-axis; degrees
ρ		air density; K_g/m^3 , slugs/ft ³
a		speed of sound; m/sec, ft/sec
V		speed of vehicle relative to surrounding atmosphere; m/sec, ft/sec
q	Q(PSI) Q(PSF)	dynamic pressure; $1/2\rho V^2$, psi, psf
M	MACH	Mach number; V/a
Re/L	ReN/L	Reynolds number per unit length; million/ft
p		static pressure; psi
P		total pressure; psi
C_p	CP	pressure coefficient; $(p-p_\infty)/q$

NOMENCLATURE (Continued)

Reference & C. G. Definitions

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
S		wing area; m^2 , ft^2
S	SREF	reference area; m^2 , ft^2
$\bar{c}$		wing mean aerodynamic chord or reference chord; m, ft, in (see l_{ref} or LREF)
l_{ref}	LREF	reference length; m, ft, in.; (see $\bar{c}$)
b_{ref}	BREF	wing span or reference span; m, ft, in
A_b		base area; m^2 , ft^2 , in^2
c. g.		center of gravity
MRP	MRP	abbreviation for moment reference point
	XMRP	abbreviation for moment reference point on X-axis
	YMRP	abbreviation for moment reference point on Y-axis
	ZMRP	abbreviation for moment reference point on Z-axis

NOMENCLATURE (Continued)

Axis System General

<u>SYMBOL</u>	<u>DEFINITION</u>
F	force; F, lbs
M	moment; M, in-lb

<u>Subscript</u>	<u>Definition</u>
N	normal force
A	axial force
L	lift force
D	drag force
Y	force or moment about the Y axis
Z	moment about the Z axis
X	moment about the X axis
s	stability axis system
w	wind axis system
ref	reference conditions
∞	free stream conditions
t	total conditions
b	base

NOMENCLATURE (Continued)
Body & Stability Axis System

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
<u>Body Axis System</u>		
C_N	CN	normal force coefficient; F_N/qS
C_A	CA	axial force coefficient; F_A/qS
C_{A_b}	CAB	base axial force coefficient; $\begin{bmatrix} -1 \\ \end{bmatrix} \begin{bmatrix} (p_b - p_\infty)/q \end{bmatrix} (A_b/S)$
C_{A_f}	CAF	forebody axial force coefficient; $C_A - C_{A_b}$
C_n	CYN	yawing moment coefficient; $M_Z/qS b_{ref}$
C_l	CBL	rolling moment coefficient; $M_X/qS b_{ref}$
<u>Common to Both Axis Systems</u>		
C_m	CIM	pitching moment coefficient; $M_Y/qS l_{ref}$
C_y	CY	side force coefficient; F_Y/qS
<u>Stability Axis System</u>		
C_L	CL	lift force coefficient; F_L/qS
C_D	CD	drag force coefficient; F_D/qS
C_{D_b}	CDB	base drag coefficient
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_n	CLN	yawing moment coefficient; $M_{Z,s}/qS b_{ref}$
C_l	CSL	rolling moment coefficient; $M_{X,s}/qS b_{ref}$
L/D	L/D	lift-to-drag ratio; C_L/C_D
L/D_f	L/DF	lift to forebody drag ratio; C_L/C_{D_f}

NOMENCLATURE (Continued)

Surface Definitions

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
i_t	HORIZIT	horizontal tail incidence; positive when trailing edge down; degrees
δ		symmetrical surface deflection angle; degrees; positive deflections are:
	AILRON	sileron - total sileron deflection; (left sileron - right sileron)/2
	CANARD	canard - trailing edge down
	ELEVON	elevon - trailing edge down
	ELEVTR	elevator - trailing edge down
	FLAP	flap - trailing edge down
	RUDDER	rudder - trailing edge to the left
	SPOILER	spoiler - trailing edge down
	TAB	tab - trailing edge down with respect to control surface
		antisymmetrical surface deflection angle, degrees
		positive trailing edge down:
	AIL-L	left sileron - trailing edge down
	AIL-R	right sileron - trailing edge down
	ELVN-L	left elevon - trailing edge down
	ELVN-R	right elevon - trailing edge down
	SPLR-L	left spoiler - trailing edge down
	SPLR-R	right spoiler - trailing edge down

SURFACE SUBSCRIPTS

	<u>DEFINITION</u>
a	sileron
b	base
c	canard
e	elevator or elevon
f	flap
r	rudder or ruddervator
s	spoiler
t	tail

TABULATED DATA LISTING

A tabulated data listing, consisting of all aero data sets, both original and those created in arriving at the plotted material to be presented subsequently, is available as an addendum to this report. The tabular listing is made up in two sections:

- (a) a brief summary list of all data sets containing the identifier, the descriptor, and the resident dependent variables.
- (b) a full list of all data sets containing all resident or selected aerodynamic coefficients of the data sets as well as the above mentioned information.

The listing is currently sent on limited distribution to the following organizations:

NASA AMES	Mr. V. Stevens
NASA MSC	Mr. Ray Nelson
MDAC-E	Mr. J. Hrenak
MDAC-W	Mr. T. Jarrett

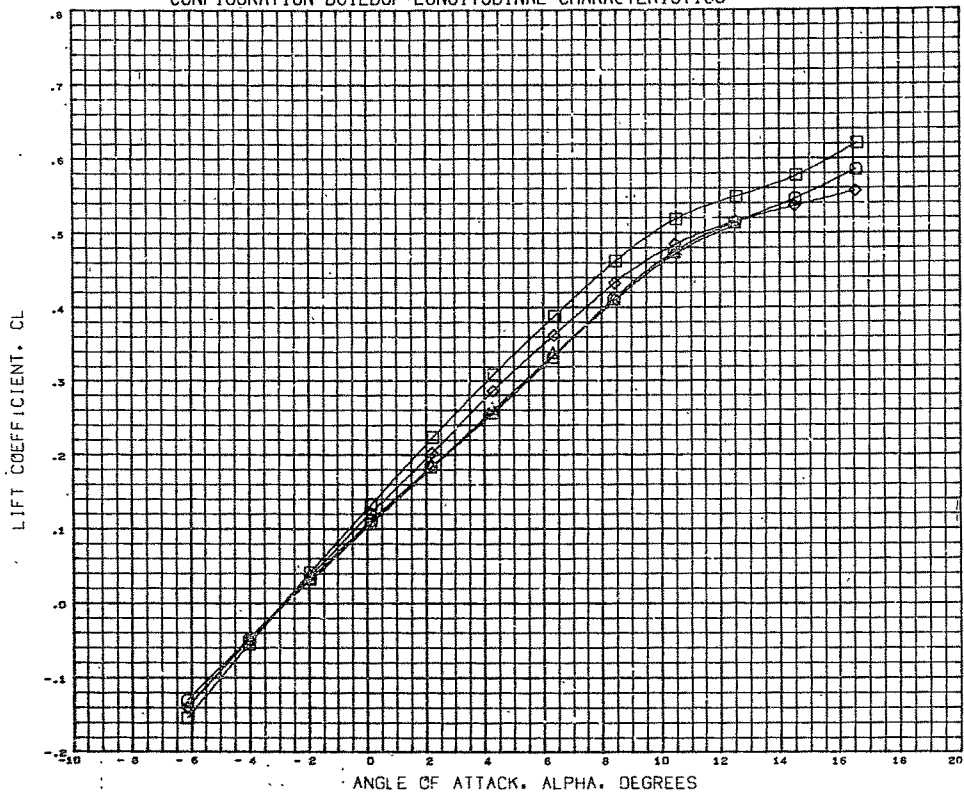
If copies of this listing are desired, please contact the above or the cognizant SADSAC personnel who, for this data, is:

B. J. Fricken
Department 2780
Chrysler Corporation Space Division
New Orleans, La. 70129

(504) 255-2304

PLOTS

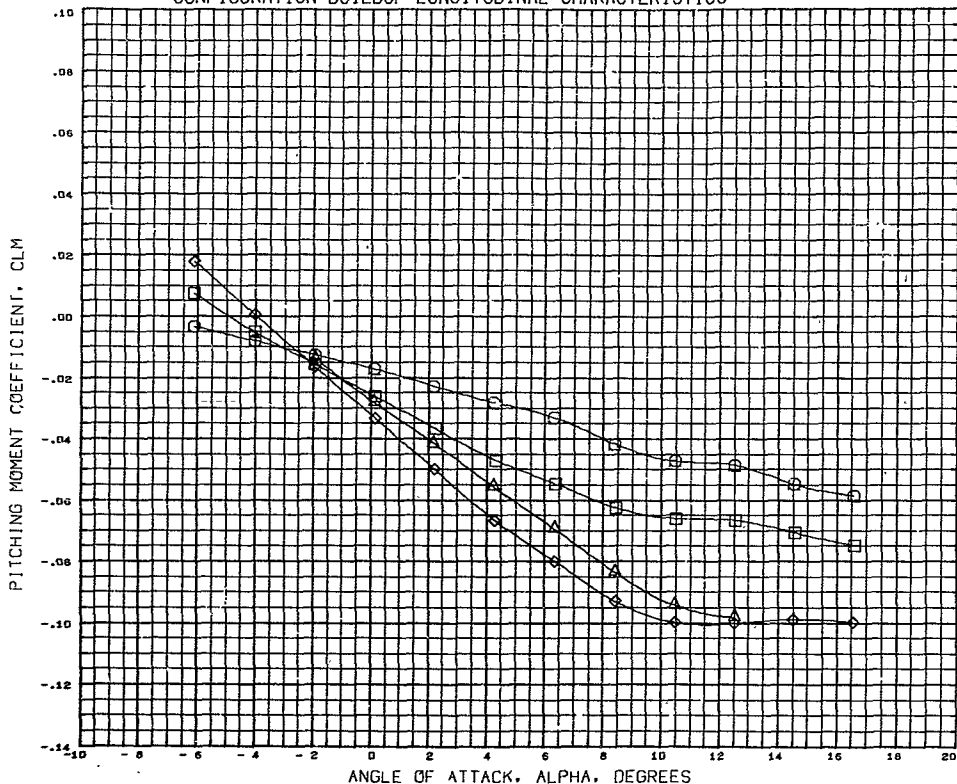
CONFIGURATION BUILDUP-LONGITUDINAL CHARACTERISTICS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ101)	MCAIR LSWT 250 3.0PCT NDAC/HMC BOOST B3N11W5J6	0.000	0.000	0.000		SREF	9.0000 SQ. FT
(ACZ112)	MCAIR LSWT 250 3.0PCT NDAC/HMC BOOST B3N11W5V8	0.000	0.000	0.000	0.000	LREF	6.0000 FT.
(ACZ111)	MCAIR LSWT 250 3.0PCT NDAC/HMC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	BREF	6.0000 FT.
(ACZ106)	MCAIR LSWT 250 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	YMRF	0.85,5 REFL
						YMRP	0.7000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.250

CONFIGURATION BUILDUP-LONGITUDINAL CHARACTERISTICS



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ101) MCAIR LSW: 256 3.0PCT MDAC/MHC BOOST B3N11W5J6
 (ACZ112) MCAIR LSW: 256 3.0PCT MDAC/MHC BOOST B3N11W5V8
 (ACZ111) MCAIR LSW: 256 3.0PCT MDAC/MHC BOOST B3N11W5V9
 (ACZ106) MCAIR LSW: 256 3.0PCT MDAC/MHC BOOST B3N11W5J6V9

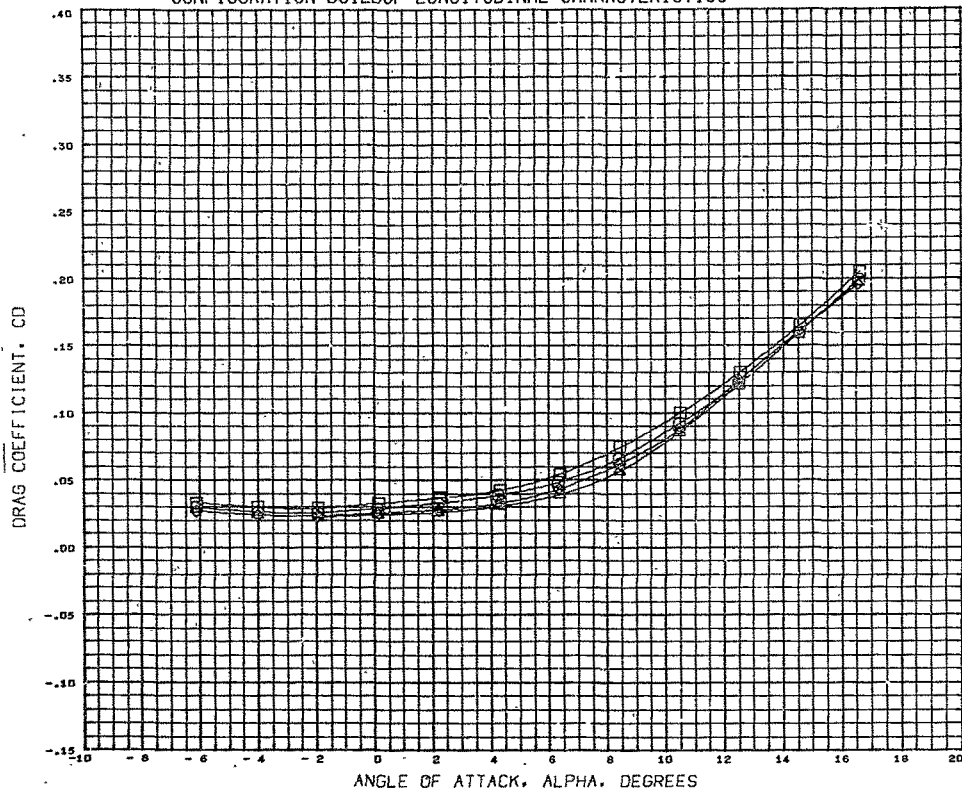
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 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION
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 LREF 6.0000 FT.
 BREF 6.0000 FT.
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 YMRP 0.0000 FT.
 ZMRP 0.0150 REFL
 SCALE 0.0300 SCALE

MACH

0.267

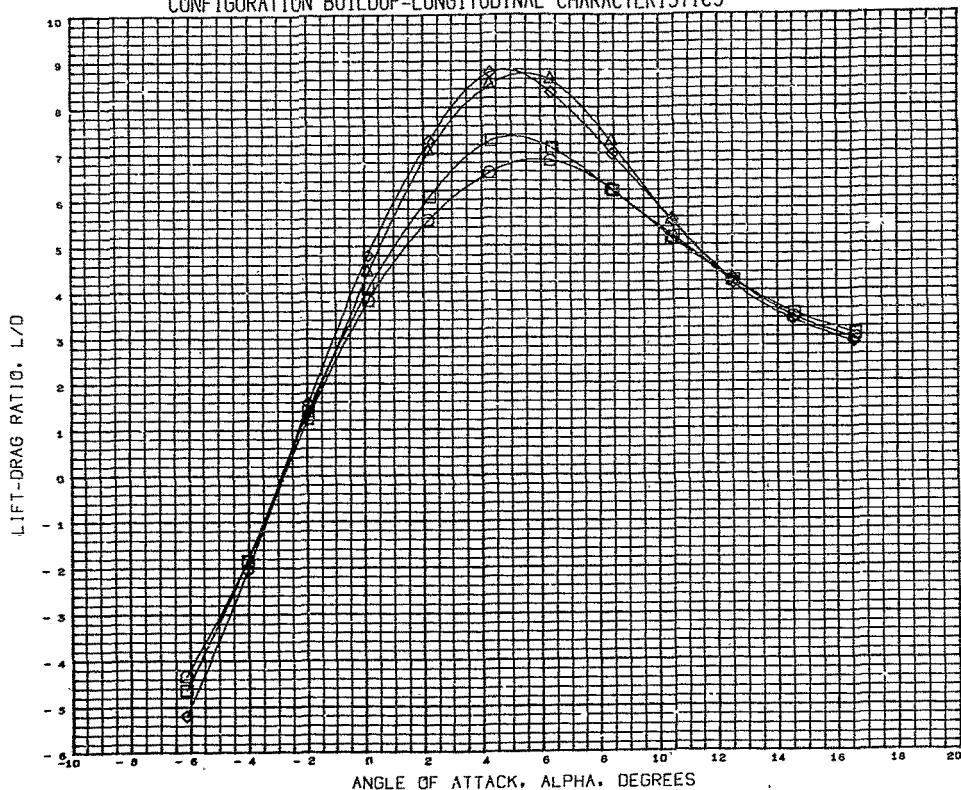
CONFIGURATION BUILDUP-LONGITUDINAL CHARACTERISTICS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ101)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11WSJ6	0.000	0.000	0.000		SREF	9.0000 SQ. FT
(ACZ112)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11WSV8	0.000	0.000	0.000	0.000	LREF	6.0000 FT.
(ACZ113)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11WSV9	0.000	0.000	0.000	0.000	BREF	6.0000 FT.
(ACZ106)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11WSJ6V9	0.000	0.000	0.000	0.000	XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

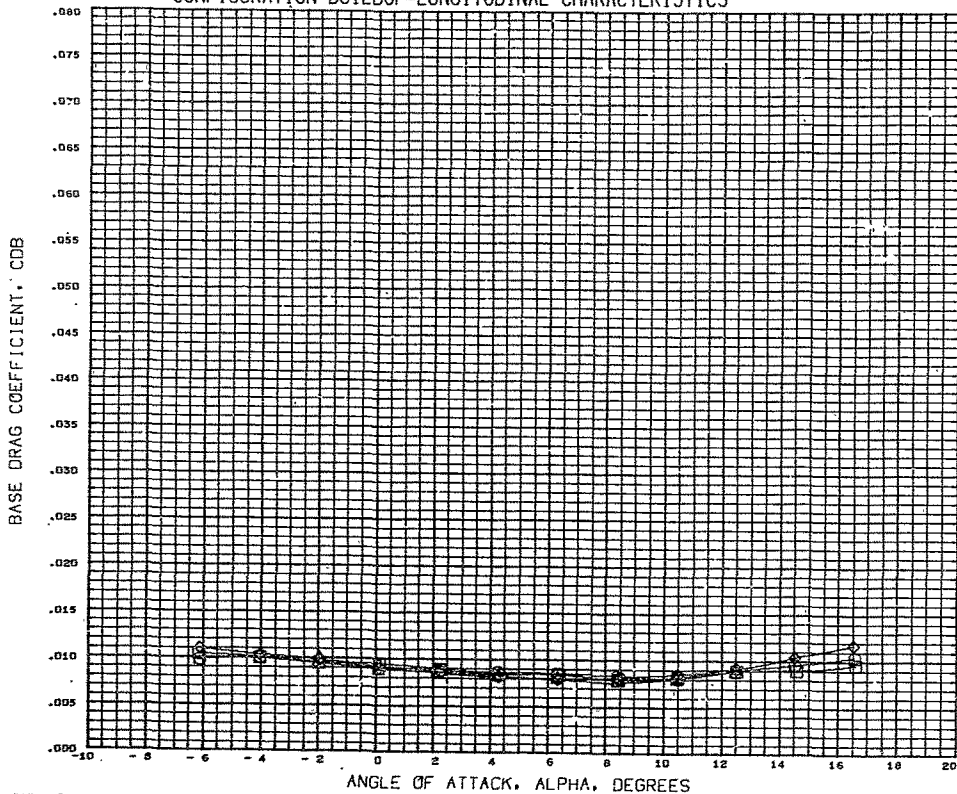
CONFIGURATION BUILDUP-LONGITUDINAL CHARACTERISTICS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILERON	RUDDER	REFERENCE INFORMATION	
(AC2101)	MCAIR LSWT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6	0.000	0.000	0.000		SREF	5.0000 SQ. FT
(AC2102)	MCAIR LSWT 258 3.0PCT HDAC/HMC BOOST B3N11W5V8	0.000	0.000	0.000	0.000	LREF	6.0000 FT.
(AC2103)	MCAIR LSWT 258 3.0PCT HDAC/HMC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	BREF	6.0000 FT.
(AC2106)	MCAIR LSWT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	XMRP	0.0575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

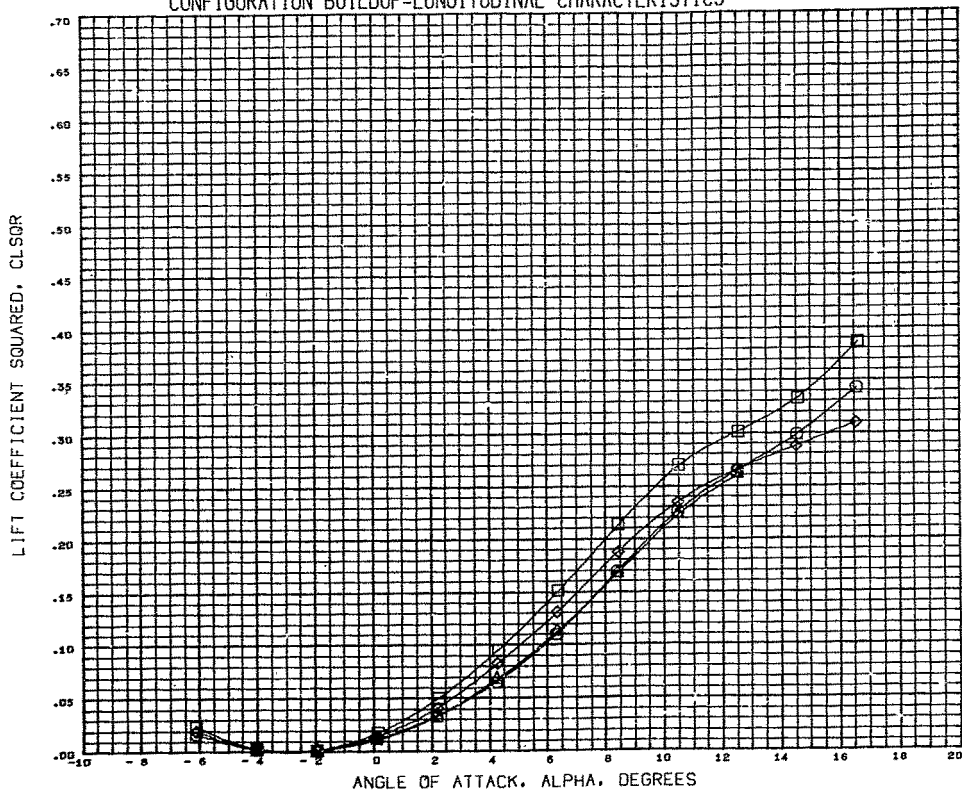
CONFIGURATION BUILDUP-LONGITUDINAL CHARACTERISTICS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ101)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6	0.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(ACZ112)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5V8	0.000	0.000	0.000	0.000	LREF	6.0000 FT.
(ACZ111)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	BREF	6.0000 FT.
(ACZ106)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	XIRP	0.8575 REFL
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						ZMRP	0.0100 REFL
						SCALE	0.0500 SCALE

MACH 0.260

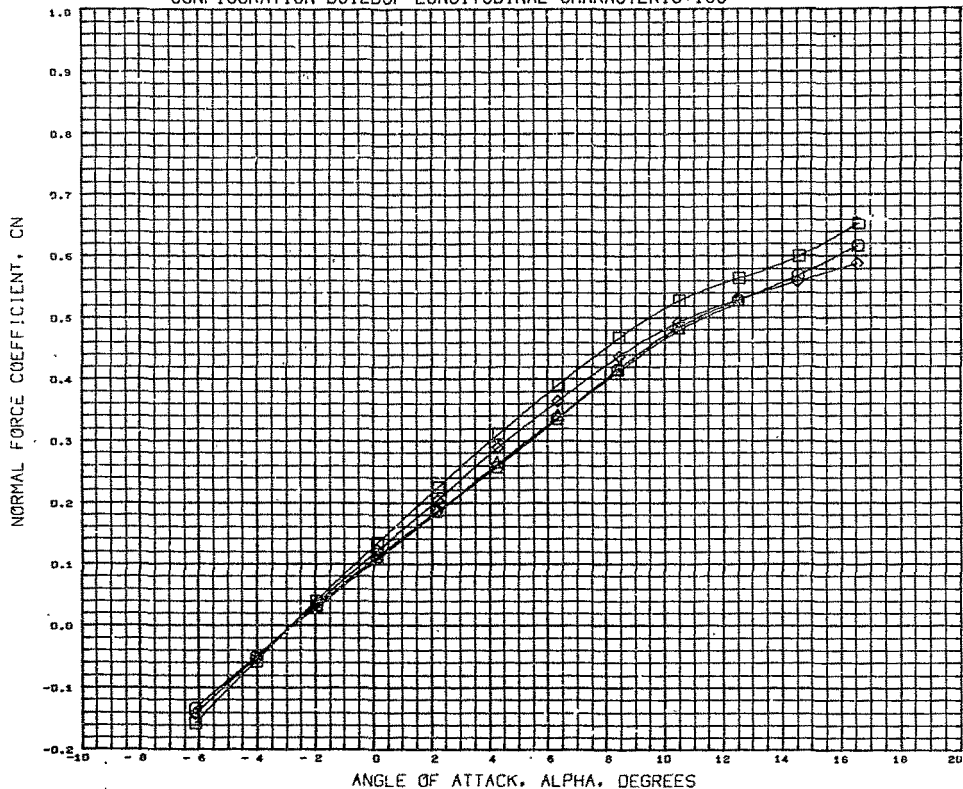
CONFIGURATION BUILDUP-LONGITUDINAL CHARACTERISTICS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ101)	MCATR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6	0.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(ACZ112)	MCATR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8	0.000	0.000	0.000	0.000	LREF 6.0000 FT.
(ACZ111)	MCATR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	BREF 6.0000 FT.
(ACZ106)	MCATR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	XMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

CONFIGURATION BUILDUP-LONGITUDINAL CHARACTERISTICS

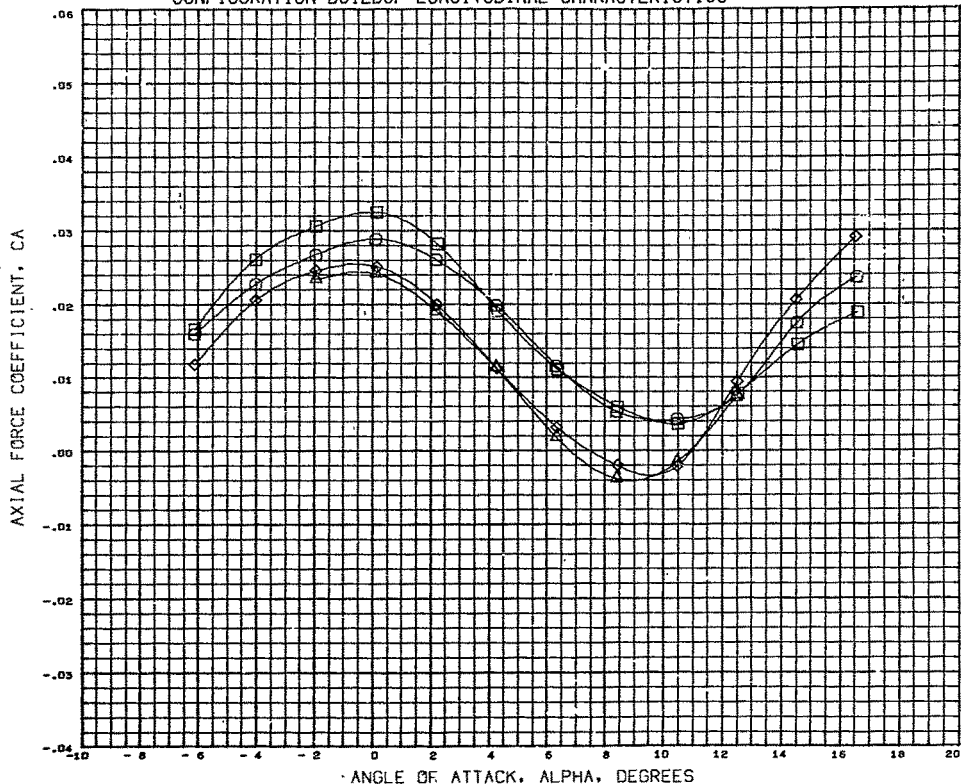


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ101)	MCAIR LSWT 250 3.0PCT MDAC/MMC BOOST B3N11W5J6	0.000	0.000	0.000		SREF	9.0000 SQ. FT
(BCZ112)	MCAIR LSWT 250 3.0PCT MDAC/MMC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	LREF	6.0000 FT.
(BCZ111)	MCAIR LSWT 250 3.0PCT MDAC/MMC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	BREF	6.0060 FT.
(BCZ106)	MCAIR LSWT 250 3.0PCT MDAC/MMC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	XMRP	0.8575 REFL
						YMRP	0.0500 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

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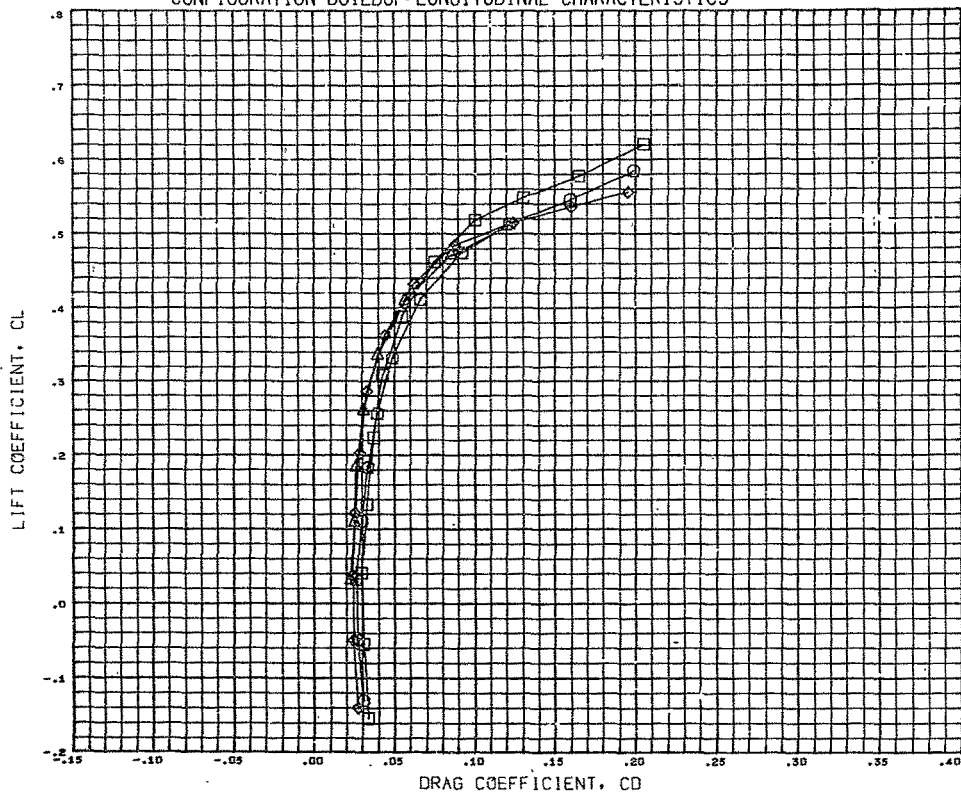
CONFIGURATION BUILDUP-LONGITUDINAL CHARACTERISTICS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ101)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6	0.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZ112)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8	0.000	0.000	0.000	0.000	LREF	6.0000 FT.
(BCZ111)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	BREF	6.0000 FT.
(BCZ106)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	YARP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

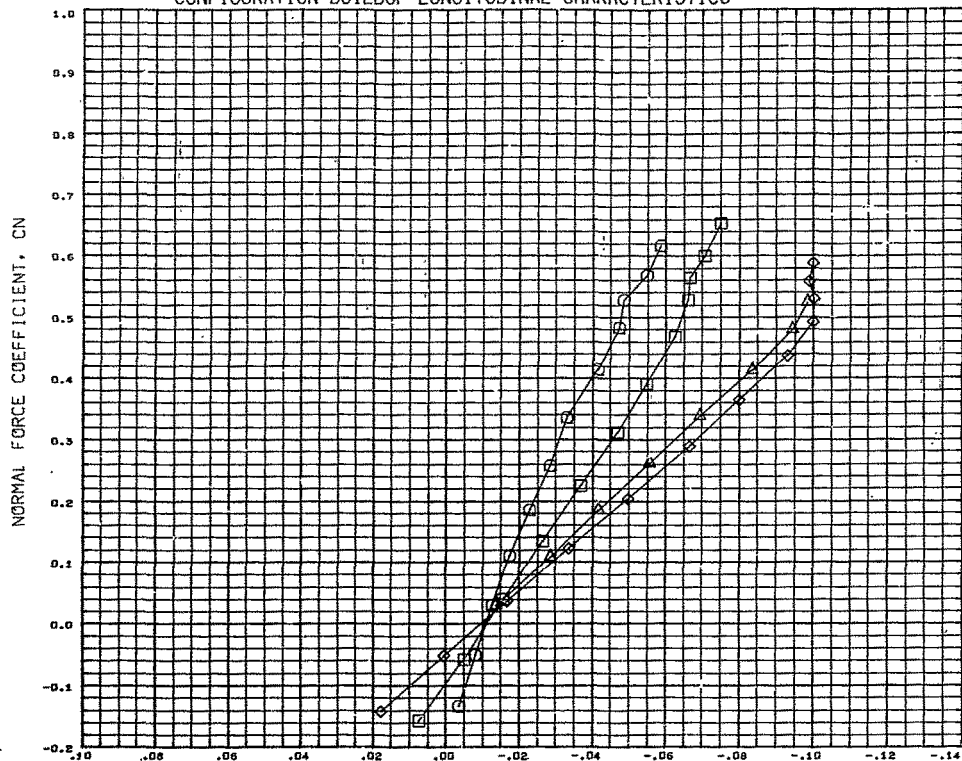
CONFIGURATION BUILDUP-LONGITUDINAL CHARACTERISTICS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ101)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6	0.000	0.000	0.000		SREF	9.0000 SQ. FT
(ACZ112)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5V8	0.000	0.000	0.000	0.000	LREF	6.0000 FT.
(ACZ111)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	BREF	5.00°0 FI.
(ACZ105)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	XMRF	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.265

CONFIGURATION BUILDUP-LONGITUDINAL CHARACTERISTICS



DATA SET SYMBOL CONFIGURATION DESCRIPTION

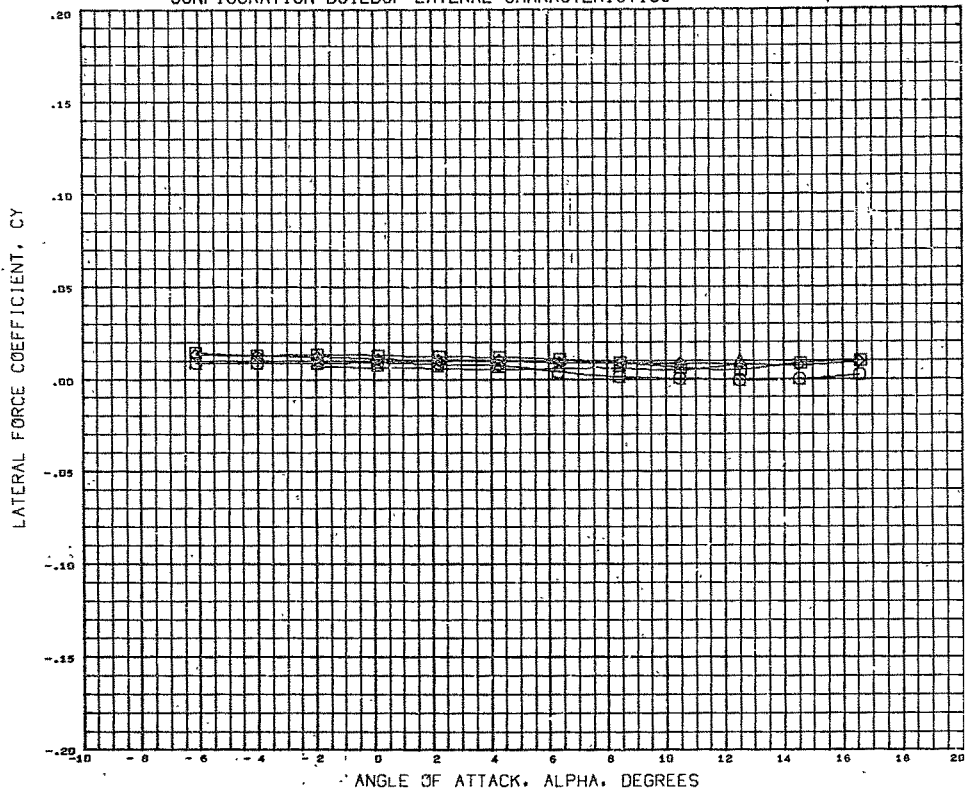
(BC2101) MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6
 (BC2112) MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5V8
 (BC2111) MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5V9
 (BC2106) MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9

BETA ELEVON AILRON RUDDER
 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000
 0.000 0.000 0.000 0.000

REFERENCE INFORMATION
 SREF 9.0000 SQ. FT
 LREF 8.0000 FT.
 BREF 8.0000 FT.
 XMRP 0.2575 REFL
 YMRP 0.0000 FT.
 ZMRP 0.0100 REFL
 SCALE 0.0300 SCALE

MACH 0.260

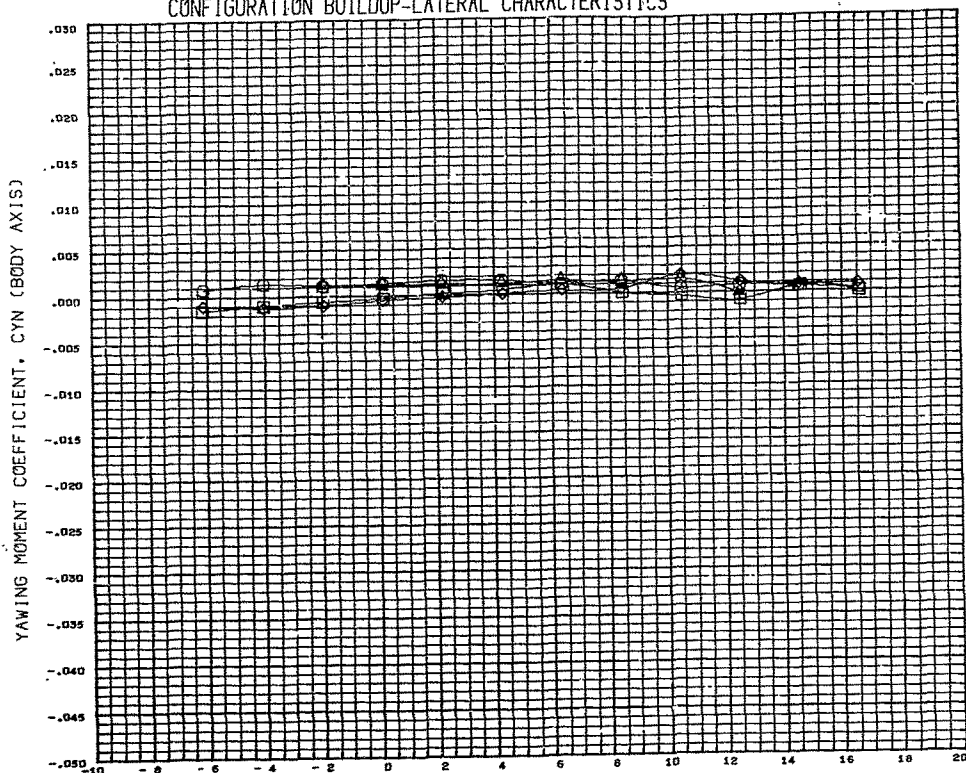
CONFIGURATION BUILDUP-LATERAL CHARACTERISTICS



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BC2104)	○	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6	0.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BC2112)	△	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5V8	0.000	0.000	0.000	0.000	LREF 6.0000 FT.
(BC2111)	◇	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	SREF 6.0200 FT.
(BC2106)	□	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	XHRP 0.8575 REFL
							YMRP 0.0000 FT.
							ZMRP 0.0100 REFL
							SCALE 0.0300 SCALE

MACH 0.260

CONFIGURATION BUILDUP-LATERAL CHARACTERISTICS

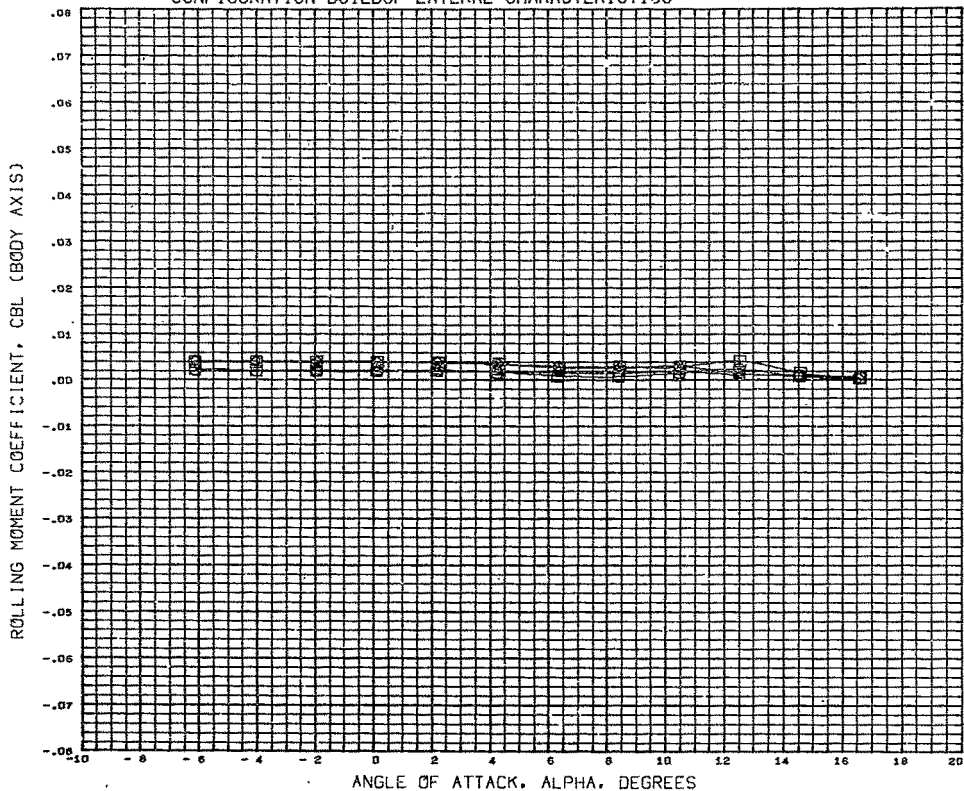


ANGLE OF ATTACK, ALPHA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BC2101)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6	0.000	0.000	0.000		SREF	9.0000 SQ. FT
(BC2112)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5V8	0.000	0.000	0.000	0.000	LREF	6.0000 FT.
(BC2111)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	SREF	6.0000 FT.
(BC2106)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	YMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

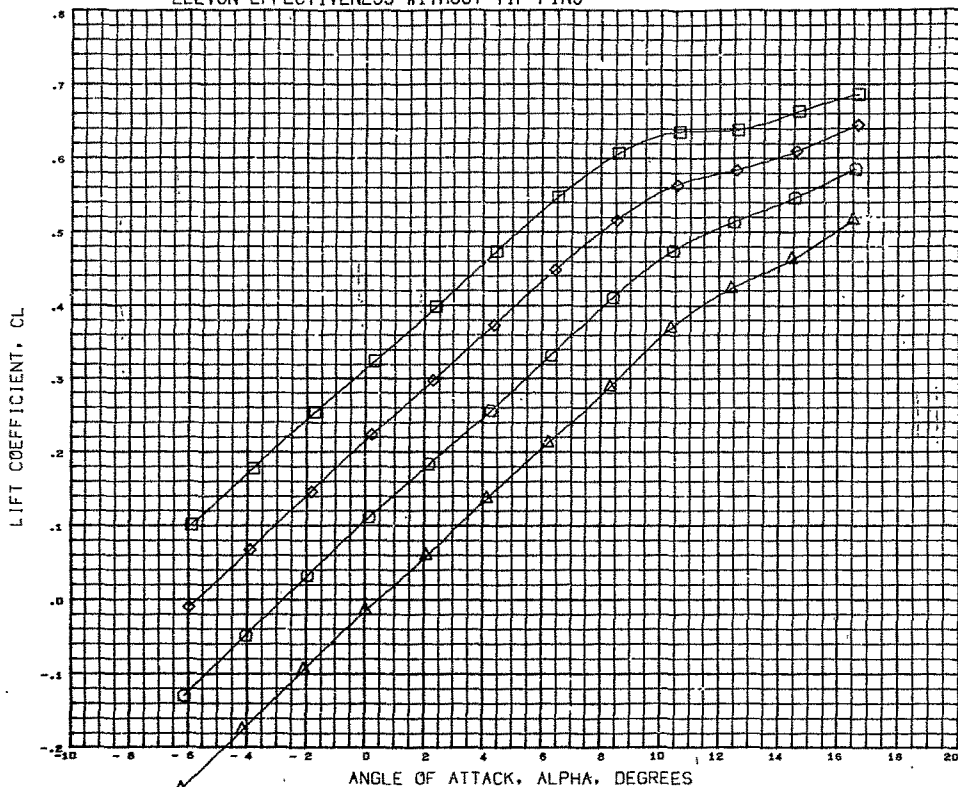
CONFIGURATION BUILDUP-LATERAL CHARACTERISTICS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ101)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11WSJ6	0.000	0.000	0.000	0.000	SREF	9.0000 Sq. FT
(BCZ112)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11WSV8	0.000	0.000	0.000	0.000	LREF	6.0000 FT.
(BCZ111)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11WSV9	0.000	0.000	0.000	0.000	BREF	6.0000 FT.
(BCZ106)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11WSJ6V9	0.000	0.000	0.000	0.000	YMRP	0.8575 REFL
						YMRP	0.9000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

ELEVON EFFECTIVENESS WITHOUT TIP FINS



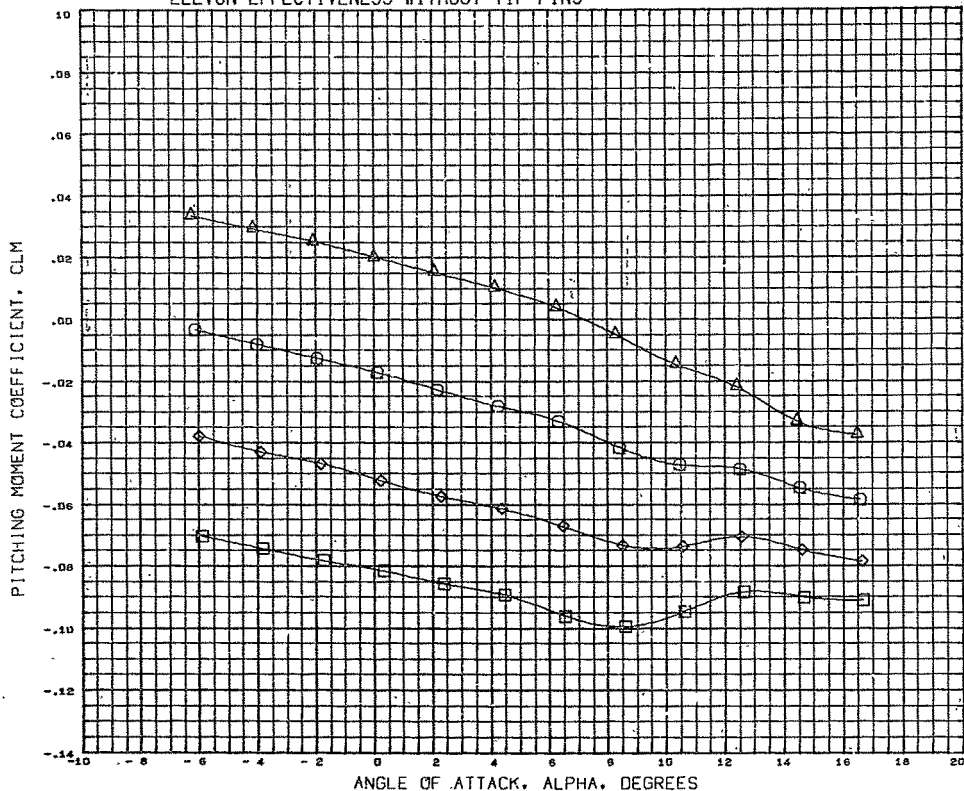
DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ103) Δ MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST BSN11W5J6
 (ACZ101) $\circ$ MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST BSN11W5J6
 (ACZ102) $\square$ MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST BSN11W5J6
 (ACZ104) $\square$ MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST BSN11W5J6

BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
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0.000	0.000	0.000	LREF	6.0000 FT.
0.000	10.000	0.000	SREF	6.0000 FT.
0.000	20.000	0.000	XNRP	0.8575 REFL
			YNRP	0.0000 FT.
			ZNRP	0.0100 REFL
			SCALE	0.0300 SCALE

MACH 0.260

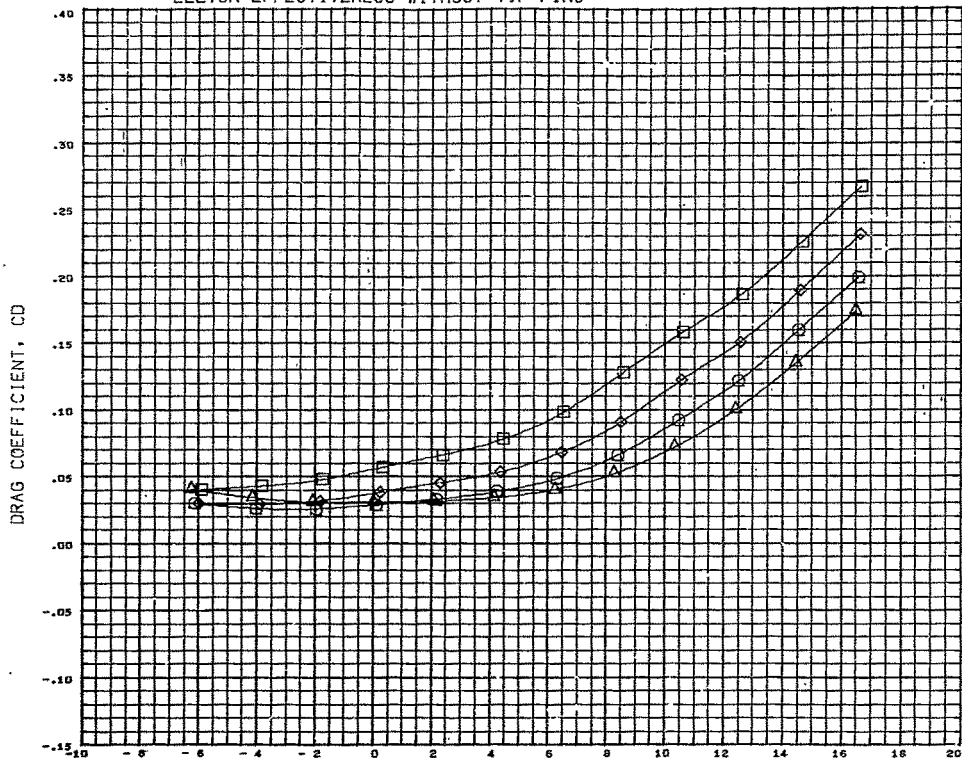
ELEVON EFFECTIVENESS WITHOUT TIP FINS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILERON	RUDDER	REFERENCE INFORMATION		
(ACZ103)	△ MCAIR LSWT 258 3.0PCT NDAC/MNC 800ST 83N11W5J6	0.000	-10.000	0.000		SREF	9.0000	Sq. FT
(ACZ101)	○ MCAIR LSWT 258 3.0PCT NDAC/MNC 800ST 83N11W5J6	0.000	0.000	0.000		LNREF	6.0000	FT.
(ACZ102)	◇ MCAIR LSWT 258 3.0PCT NDAC/MNC 800ST 83N11W5J6	0.000	10.000	0.000		BRF	6.0000	FT.
(ACZ104)	□ MCAIR LSWT 258 3.0PCT NDAC/MNC 800ST 83N11W5J6	0.000	20.000	0.000		ZMRP	6.8075	REFL
						YMRP	0.0900	FT.
						ZMRP	0.0100	REFL
						SCALE	0.0300	SCALE

MACH 0.2657

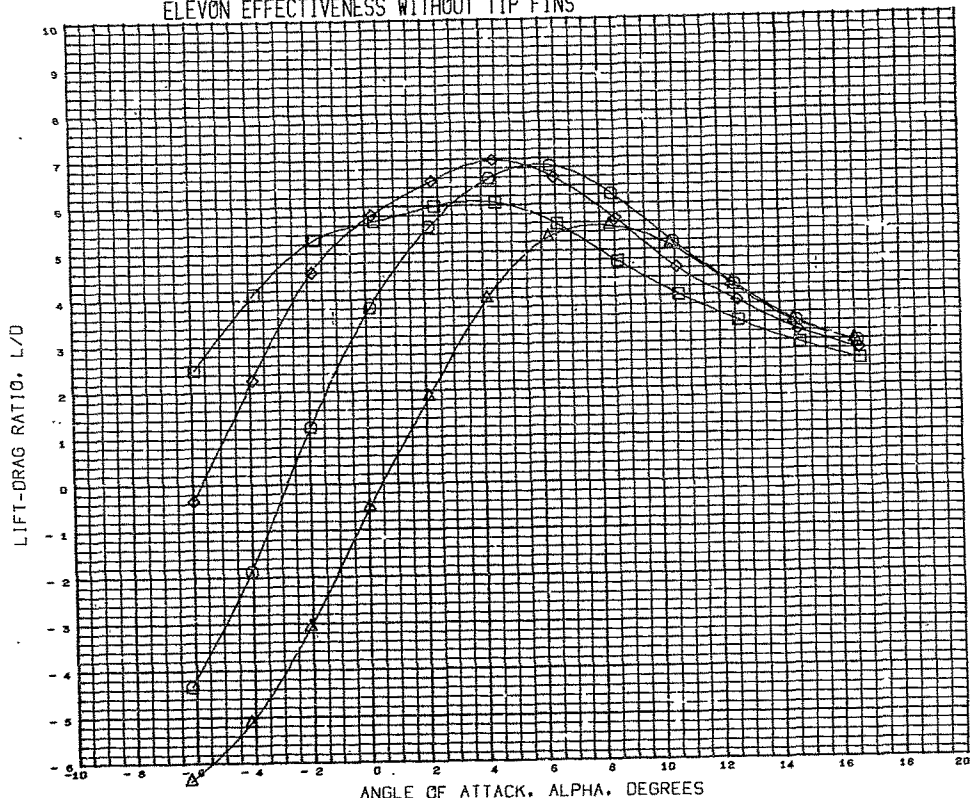
ELEVON EFFECTIVENESS WITHOUT TIP FINS



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ103)	△	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6	0.000	-10.000	0.000		SREF	9.0000 SQ. FT
(ACZ101)	○	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6	0.000	0.000	0.000		LREF	6.0000 FT.
(ACZ102)	×	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6	0.000	10.000	0.000		BREF	6.0000 FT.
(ACZ104)	□	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6	0.000	20.000	0.000		XNRP	0.8575 REFL
							YNRP	0.0000 FT.
							ZNRP	0.0100 REFL
							SCALE	0.0300 SCALE

MACH 0.260

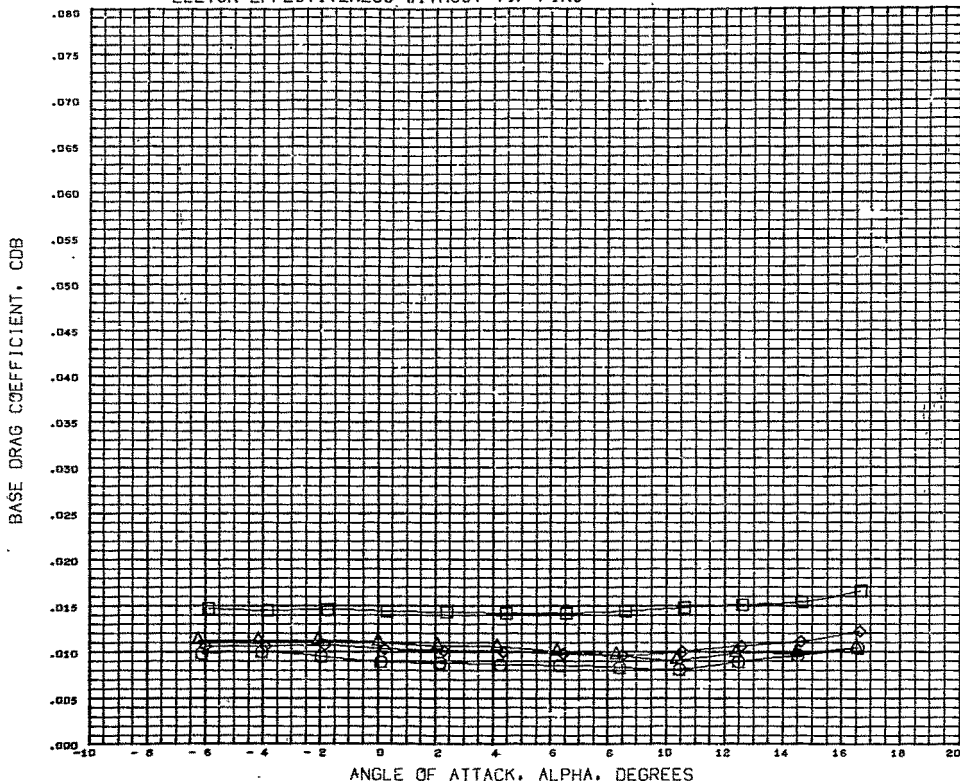
ELEVON EFFECTIVENESS WITHOUT TIP FINS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ103)	HCAIR LSWT 258 3.0PCT HDAC/MNC BOOST B3N11W5J6	0.000	-10.000	0.000		SREF	9.0000 56. FT
(ACZ101)	HCAIR LSWT 258 3.0PCT HDAC/MNC BOOST B3N11W5J6	0.000	0.000	0.000		LREF	6.0000 FT.
(ACZ102)	HCAIR LSWT 258 3.0PCT HDAC/MNC BOOST B3N11W5J6	0.000	10.000	0.000		BREF	6.0000 FT.
(ACZ104)	HCAIR LSWT 258 3.0PCT HDAC/MNC BOOST B3N11W5J6	0.000	20.000	0.000		XARP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.250

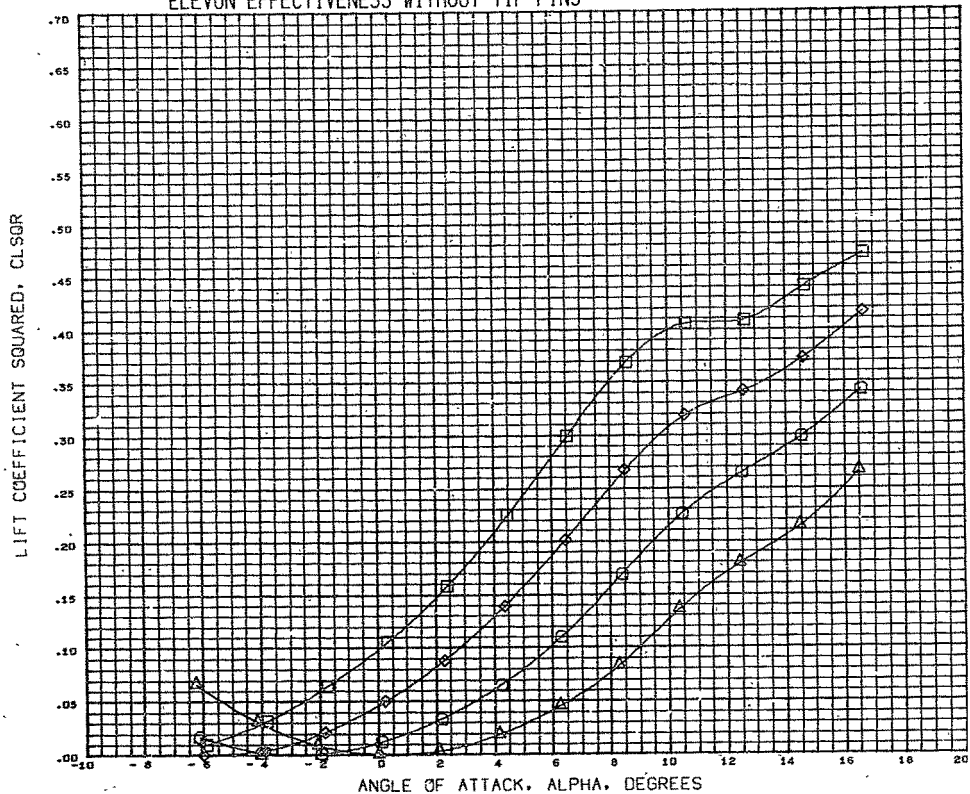
ELEVON EFFECTIVENESS WITHOUT TIP FINS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ103)	HCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6	0.000	-10.000	0.000		SREF 9.0000 SQ. FT
(ACZ101)	HCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6	0.000	0.000	0.000		LREF 6.0000 FT.
(ACZ102)	HCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6	0.000	10.000	0.000		BREF 6.0000 FT.
(ACZ104)	HCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6	0.000	20.000	0.000		XMRP 0.9375 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

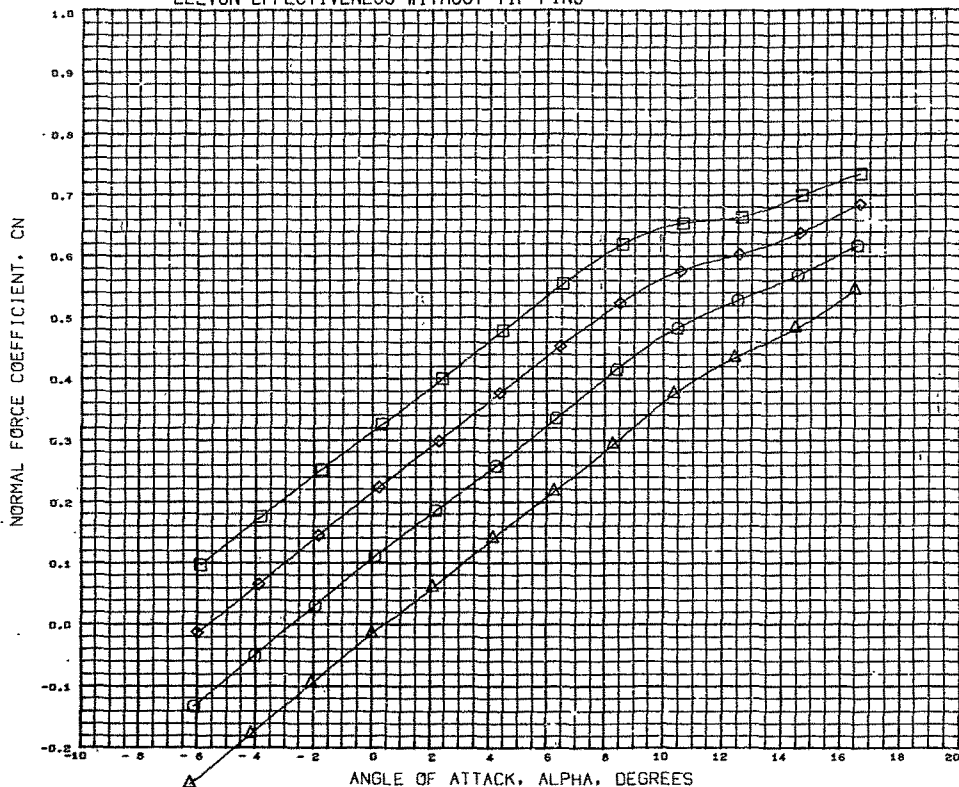
ELEVON EFFECTIVENESS WITHOUT TIP FINS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILERON	RUDDER	REFERENCE INFORMATION	
(ACZ103)	MCAIR LSWT 258 3.0PCT WDAC/MHC BOOST B3N11W5J6	0.000	-15.000	0.000		SREF	9.0000 99. FT
(ACZ101)	MCAIR LSWT 258 3.0PCT WDAC/MHC BOOST B3N11W5J6	0.000	0.000	0.000		LREF	6.0000 FT.
(ACZ102)	MCAIR LSWT 258 3.0PCT WDAC/MHC BOOST B3N11W5J6	0.000	10.000	0.000		BREF	6.0000 FT.
(ACZ104)	MCAIR LSWT 258 3.0PCT WDAC/MHC BOOST B3N11W5J6	0.000	20.000	0.000		MNRP	0.8575 REFL
						YNRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

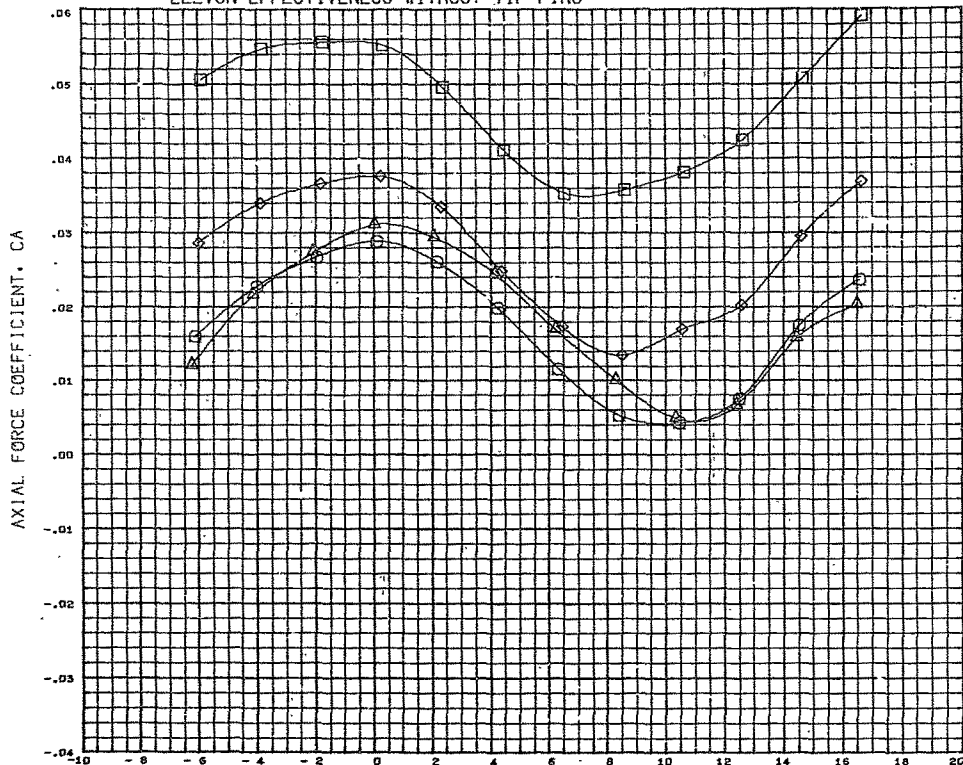
ELEVON EFFECTIVENESS WITHOUT TIP FINS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ103)	HCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W3J6	0.000	-18.000	0.000		SREF	9.0000 SQ. FT
(BCZ101)	HCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W3J6	0.000	0.000	0.000		LREF	6.0000 FT.
(BCZ102)	HCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W3J6	0.000	10.000	0.000		SREF	6.0000 FT.
(BCZ104)	HCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W3J6	0.000	20.000	0.000		WREF	0.8575 REFL
						YHREF	0.0000 FT.
						ZHREF	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

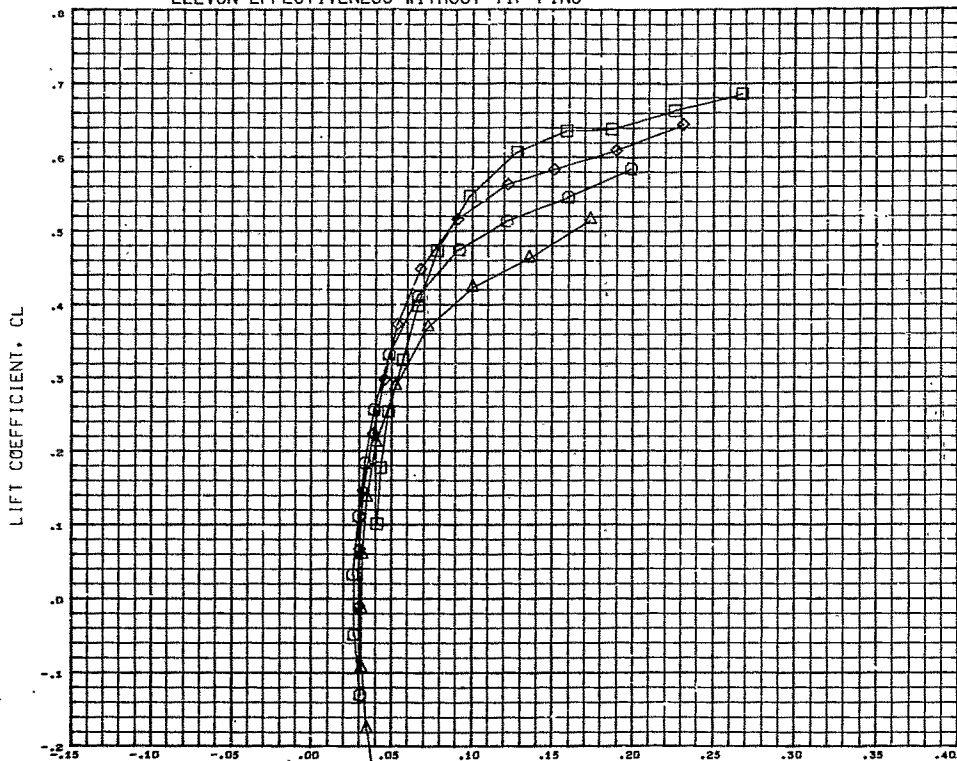
ELEVON EFFECTIVENESS WITHOUT TIP FINS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ103)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6	0.000	-10.000	0.000		SREF 9.0000 SQ. FT
(BCZ101)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6	0.000	0.000	0.000		LREF 6.0000 FT.
(BCZ102)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6	0.000	10.000	0.000		SREF 6.0000 FT.
(BCZ104)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6	0.000	20.000	0.000		YMRP 0.85/5 REFL
						ZMRP 0.0000 FT.
						SCALE 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.250

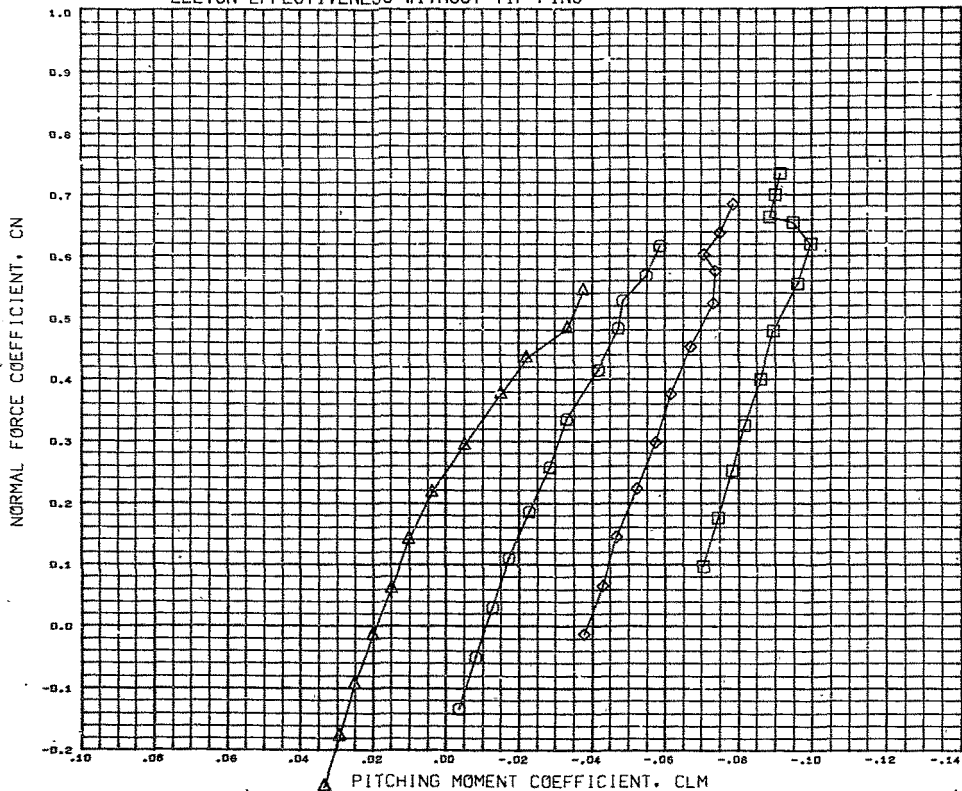
ELEVON EFFECTIVENESS WITHOUT TIP FINS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ103)	KCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6	0.000	-10.000	0.000		SREF	9.0000 SQ. FT
(ACZ101)	KCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6	0.000	0.000	0.000		LREF	6.0000 FT.
(ACZ102)	KCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6	0.000	10.000	0.000		BREF	5.0000 FT.
(ACZ104)	KCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6	0.000	20.000	0.000		XMRP	0.2575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

ELEVON EFFECTIVENESS WITHOUT TIP FINS



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BCC2103)	△	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6
(BCC2101)	○	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6
(BCC2102)	◇	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6
(BCC2104)	□	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6

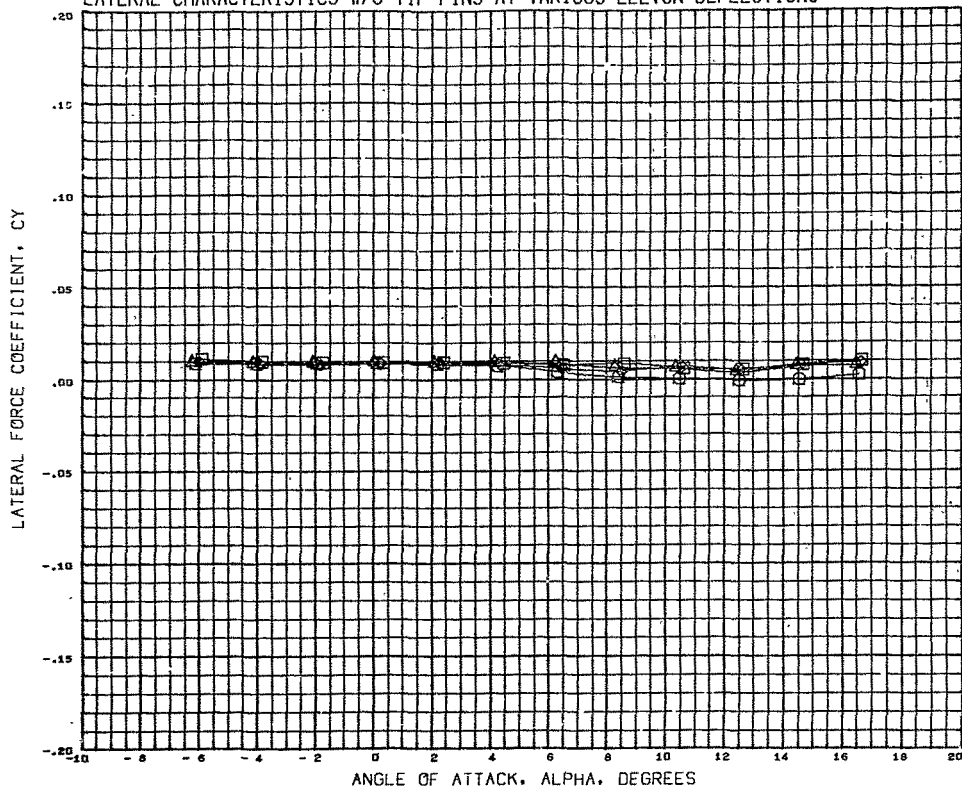
BETA	ELEVON	AILRON	RUDDER
0.000	-10.000	0.000	
0.000	0.000	0.000	
0.000	10.000	0.000	
0.000	20.000	0.000	

REFERENCE INFORMATION

SREF	9.0000	SG. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
XMRP	0.8575	REFL
YMRP	0.0000	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.260

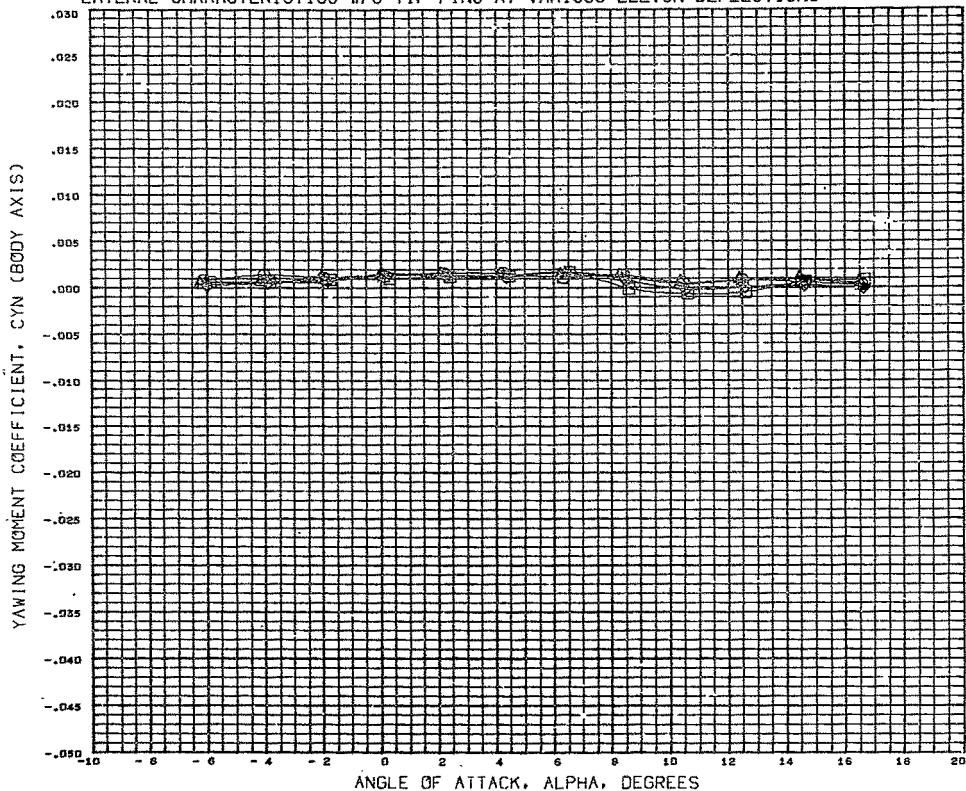
LATERAL CHARACTERISTICS W/O TIP FINS AT VARIOUS ELEVON DEFLECTIONS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ103)	△ MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6	0.000	-10.000	0.000		SREF 9.0000 SQ. FT
(BCZ101)	○ MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6	0.000	0.000	0.000		LREF 6.0000 FT.
(BCZ102)	⊗ MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6	0.000	10.000	0.000		BREF 6.0000 FT.
(BCZ104)	□ MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6	0.000	20.000	0.000		XNRP 0.8575 REFL
						YNRP 0.0000 FT.
						ZHRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

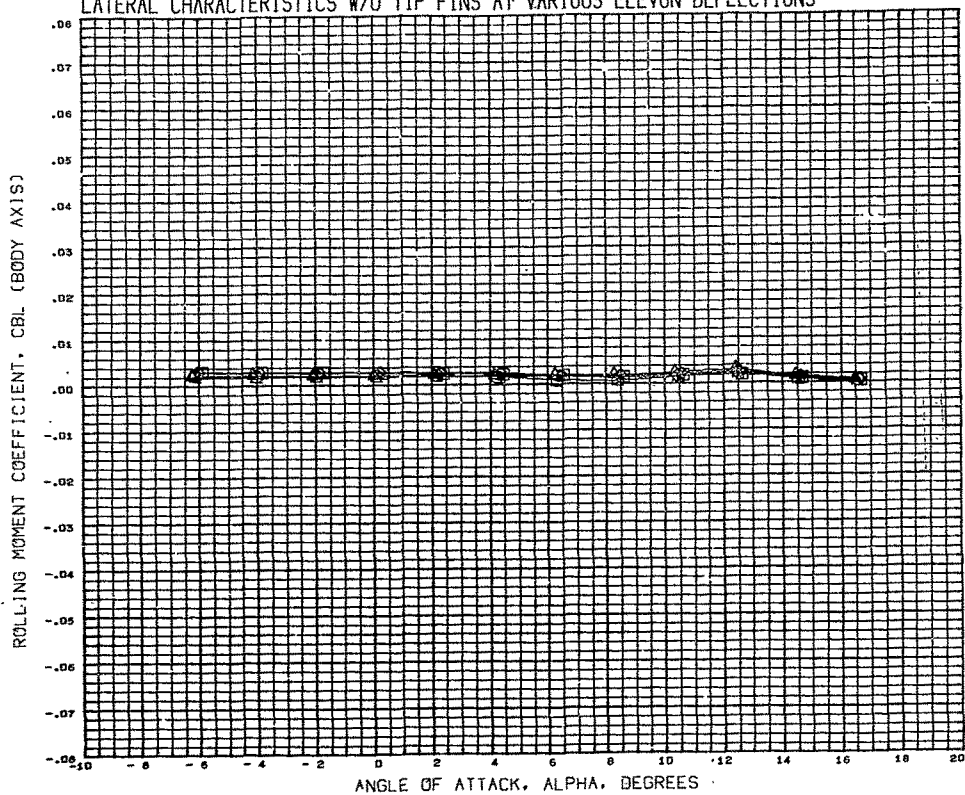
LATERAL CHARACTERISTICS W/O TIP FINS AT VARIOUS ELEVON DEFLECTIONS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BC2103)	△ MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6	0.000	-10.000	0.000		SREF	9.0000 SQ. FT
(BC2101)	○ MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6	0.000	0.000	0.000		LREF	6.0000 FT.
(BC2102)	□ MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6	0.000	10.000	0.000		BREF	6.0000 FT.
(BC2104)	◇ MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6	0.000	20.000	0.000		XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

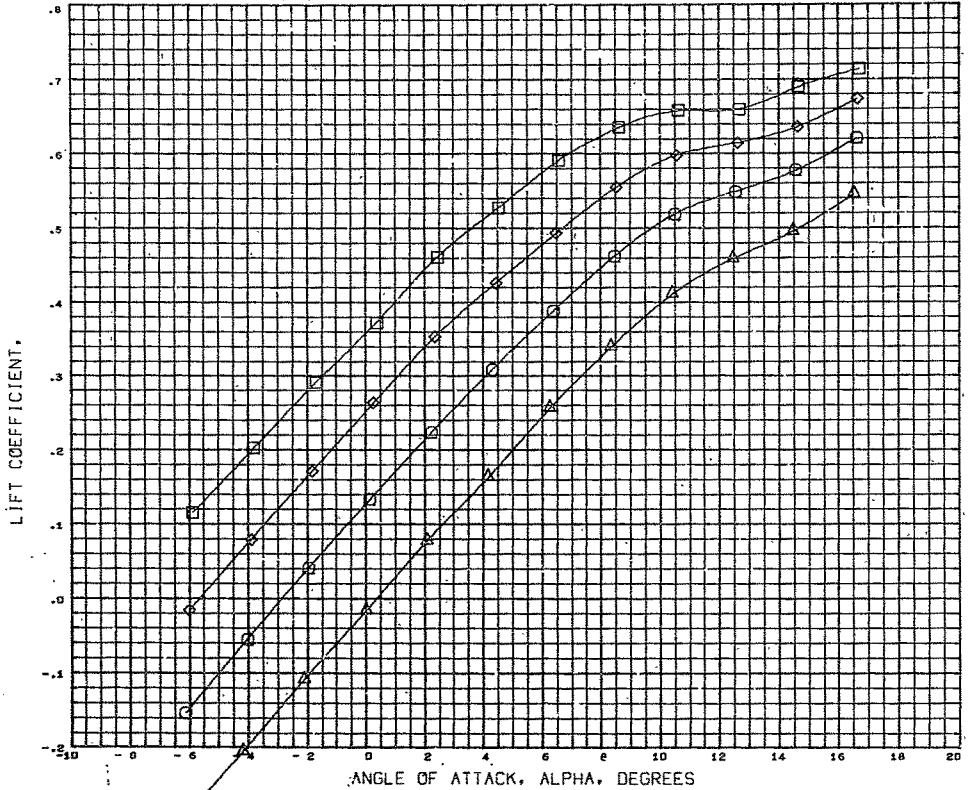
LATERAL CHARACTERISTICS W/O TIP FINS AT VARIOUS ELEVON DEFLECTIONS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ103)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6	0.000	-10.000	0.000		SREF	9.0000 SQ. FT
(BCZ101)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6	0.000	0.000	0.000		LREF	8.0000 ¹ FT.
(BCZ102)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6	0.000	10.000	0.000		BREF	8.0000 ¹ FT.
(BCZ104)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6	0.000	20.000	0.000		YWRP	0.0000 REFL
						ZWRP	0.0000 FT.
						SCALE	0.0100 REFL
							0.0300 SCALE

MACH 0.250

ELEVON EFFECTIVENESS WITH TIP FINS V9



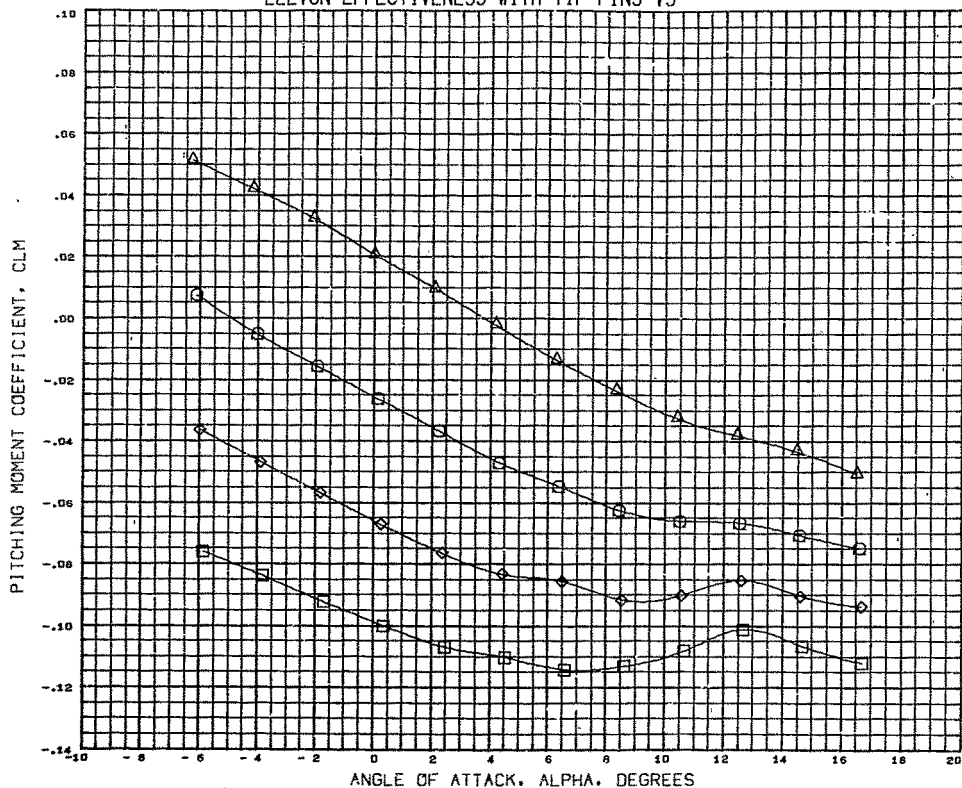
DATA SET SYMBOL CONFIGURATION DESCRIPTION

ACZ108 Δ MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9
 ACZ106 $\square$ MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9
 ACZ107 $\diamond$ MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9
 ACZ105 $\square$ MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9

BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
0.000	-10.000	0.000	0.000	SREF 9.0000 SQ. FT
0.000	0.000	0.000	0.000	LREF 6.0000 FT.
0.000	10.000	0.000	0.000	BREF 6.0000 FT.
0.000	20.000	0.000	0.000	XWRP 0.0575 REFL
				YWRP 0.0000 FT.
				ZWRP 0.0100 REFL
				SCALE 0.0300 SCALE

MACH 0.260

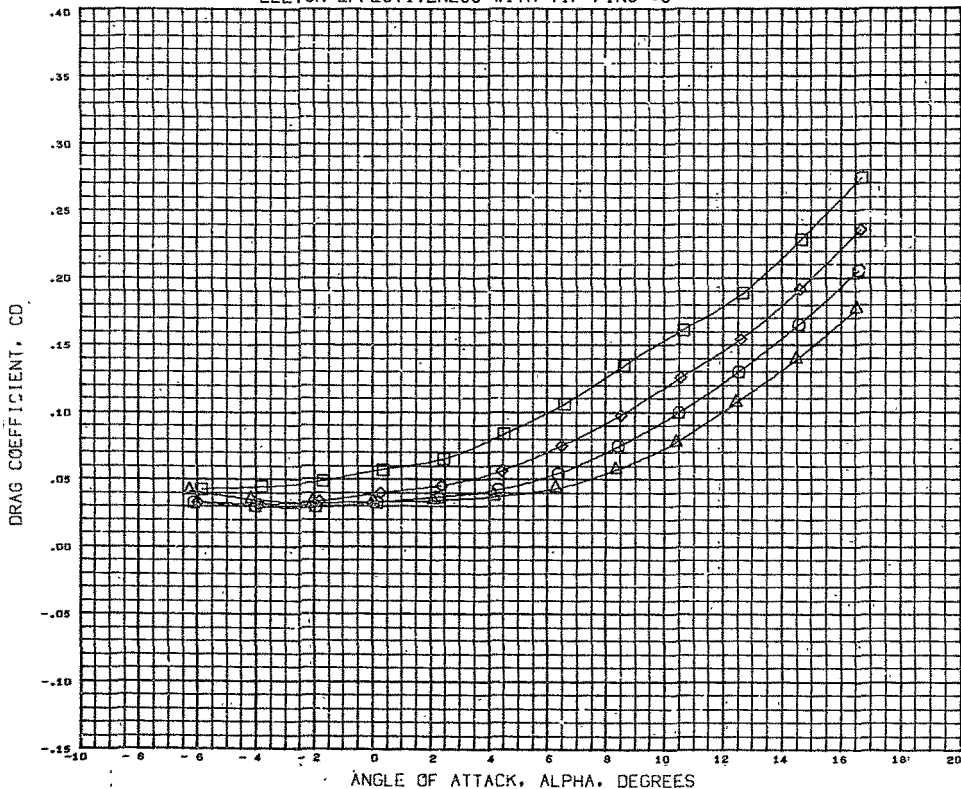
ELEVON EFFECTIVENESS WITH TIP FINS V9



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ108)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	-10.000	0.000	0.000	SREF	9.0000 SQ. FT
(ACZ109)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	LREF	6.0000 FT.
(ACZ107)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	10.000	0.000	0.000	SREF	0.0000 FT.
(ACZ109)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	20.000	0.000	0.000	XMRP	0.8573 REFL
						YMRP	0.0040 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.280

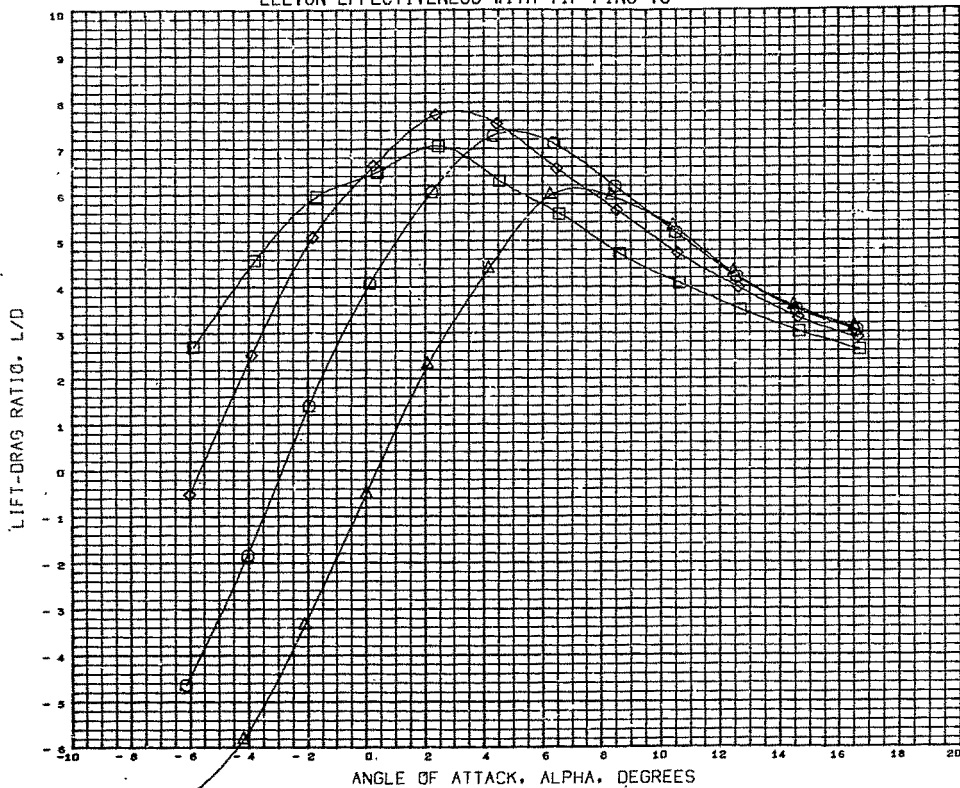
ELEVON EFFECTIVENESS WITH TIP FINS V9



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ108)	△ NCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	0.000	-10.000	0.000	0.000	SREF	9.0000 SQ. FT
(ACZ106)	□ NCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	LREF	6.0000 FT.
(ACZ107)	○ NCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	0.000	10.000	0.000	0.000	BREF	6.0000 FT.
(ACZ109)	◇ NCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	0.000	20.000	0.000	0.000	YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

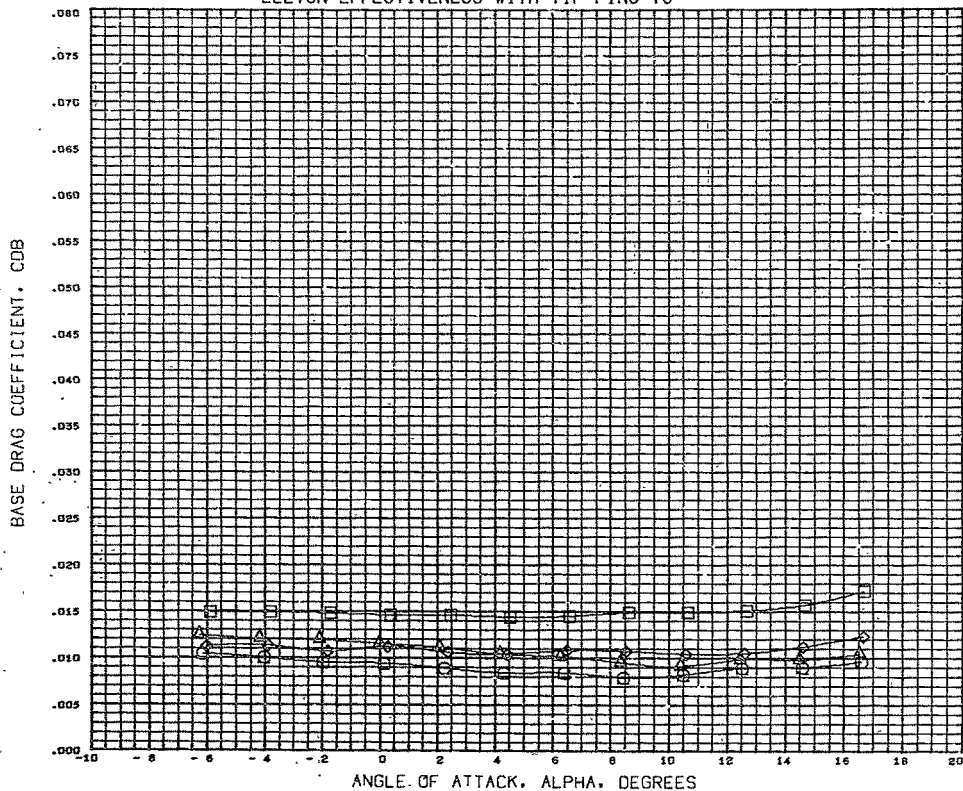
ELEVON EFFECTIVENESS WITH TIP FINS V9



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ108)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	0.000	-5.000	0.000	0.000	SREF 9.0000 SQ. FT
(ACZ109)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	LREF 6.0000 FT.
(ACZ107)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	0.000	10.000	0.000	0.000	BREF 6.0000 FT.
(ACZ109)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	0.000	20.000	0.000	0.000	XNRP 0.8575 REFL
						YNRP 0.0000 FT.
						ZNRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

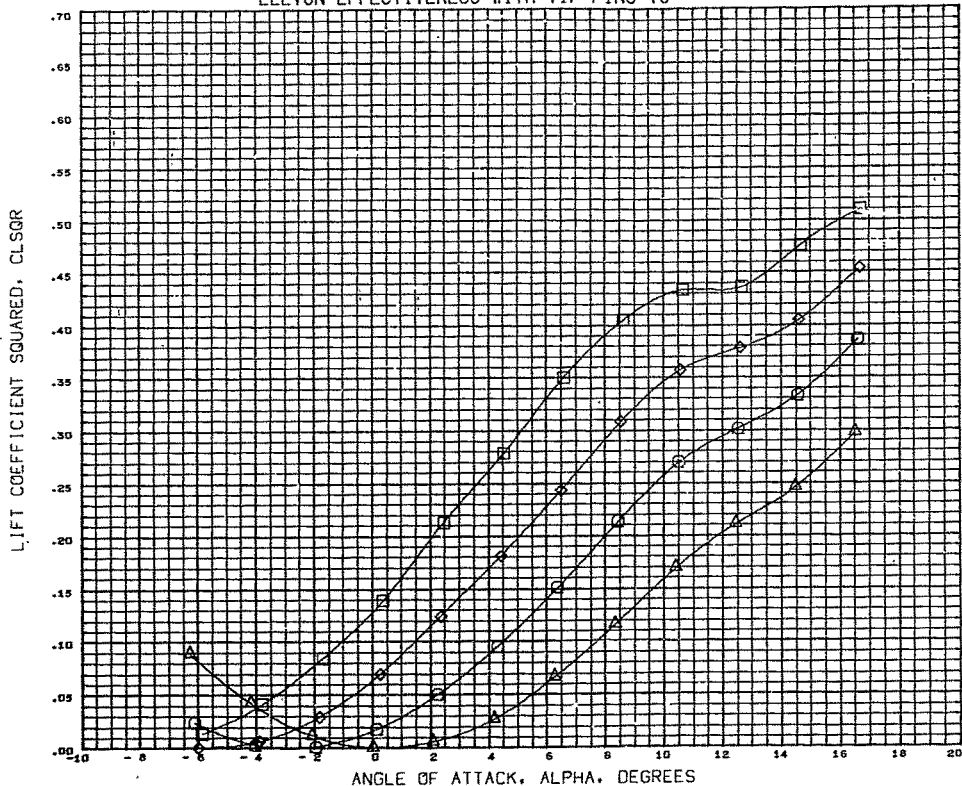
ELEVON EFFECTIVENESS WITH TIP FINS V9



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION
(ACZ108)	MCAIR LSMT 258 5.0PCT NDAC/HMC BOOST B3N1WSJ6V9	0.000	-10.000	0.000	0.000	SREF	9.0000 SQ. FT
(ACZ106)	MCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N1WSJ6V9	0.000	0.000	0.000	0.000	LREF	6.0000 FT.
(ACZ107)	MCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N1WSJ6V9	0.000	10.000	0.000	0.000	RREF	5.0000 FT.
(ACZ109)	MCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N1WSJ6V9	0.000	20.000	0.000	0.000	XHRP	0.4575 REFL
						YHRP	0.0000 FT.
						ZHRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

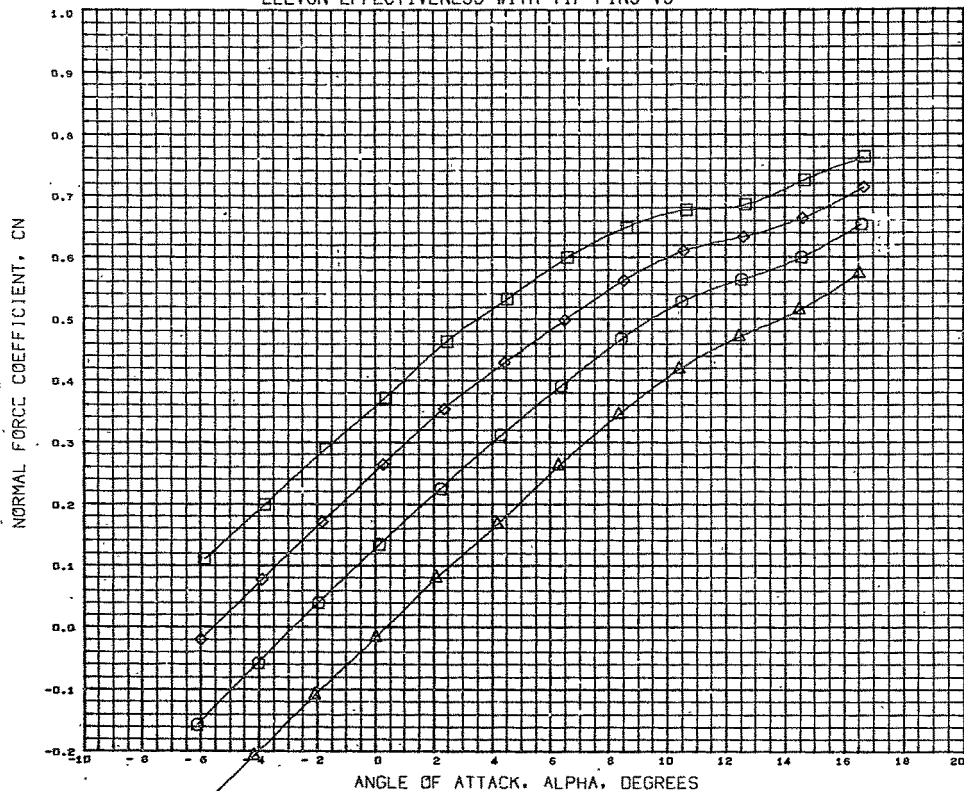
ELEVON EFFECTIVENESS WITH TIP FINS V9



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILERON	RUDDER	REFERENCE INFORMATION	
(ACZ108) Δ	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	-10.000	0.000	0.000	SREF	9.0000 SQ. FT
(ACZ106) $\circ$	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	LREF	6.0000 FT.
(ACZ107) $\square$	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	10.000	0.000	0.000	BREF	5.0000 FT.
(ACZ109) $\diamond$	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	20.000	0.000	0.000	XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

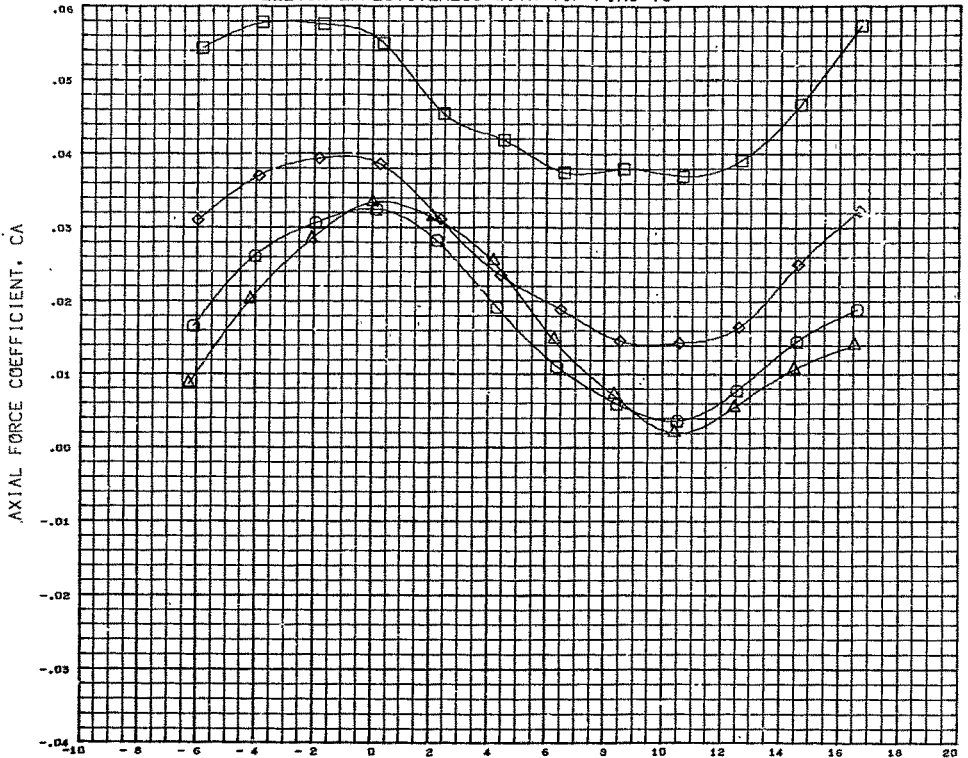
ELEVON EFFECTIVENESS WITH TIP FINS V9



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ108)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11WSJ6V9	0.000	-10.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZ106)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11WSJ6V9	0.000	0.000	0.000	0.000	LREF	6.0000 FT.
(BCZ107)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11WSJ6V9	0.000	10.000	0.000	0.000	BREF	6.0000 FT.
(BCZ109)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11WSJ6V9	0.000	20.000	0.000	0.000	XMRP	0.9575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

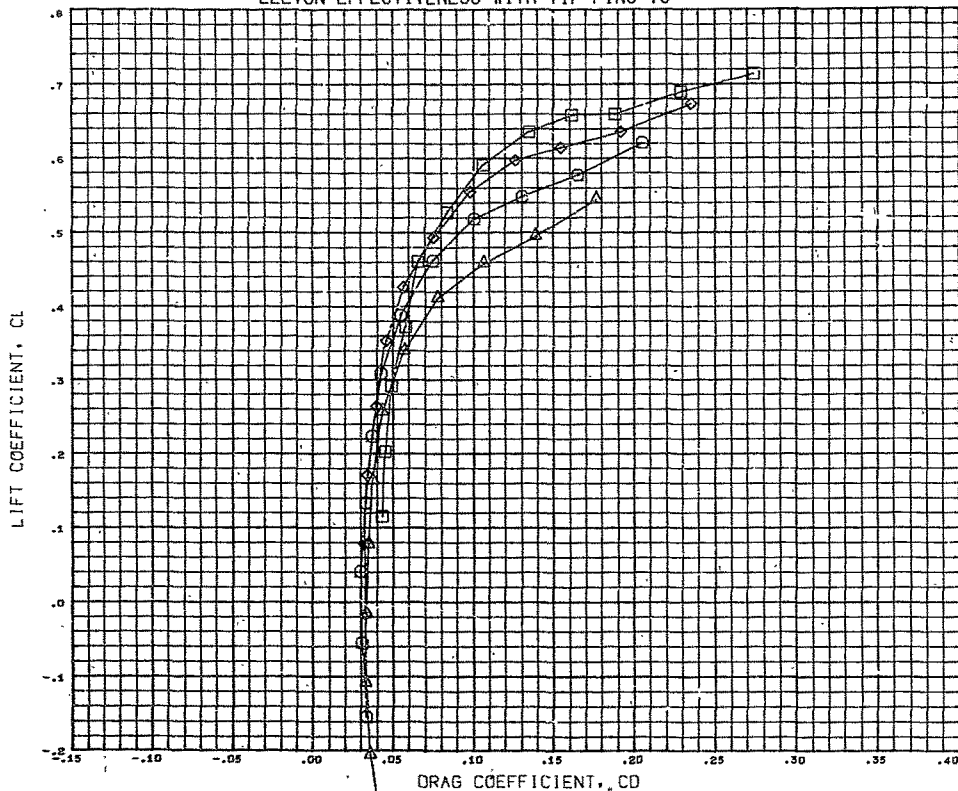
ELEVON EFFECTIVENESS WITH TIP FINS V9



DATA SET SYMBOL		CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ108)	△	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	0.000	-10.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZ109)	○	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	LREF	6.0000 FT.
(BCZ107)	×	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	0.000	10.000	0.000	0.000	RREF	6.0000 FT.
(BCZ109)	□	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	0.000	20.000	0.000	0.000	XMRP	0.8575 REFL
							YMRP	0.0200 FT.
							ZMRP	0.0100 REFL
							SCALE	0.0300 SCALE

MACH 0.260

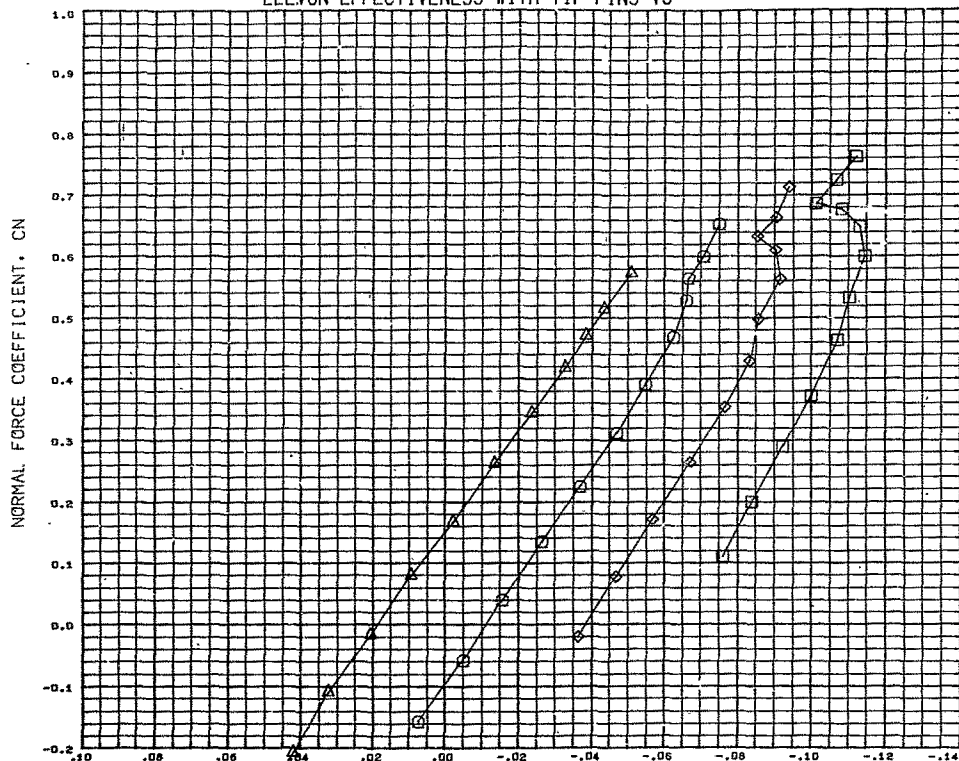
ELEVON EFFECTIVENESS WITH TIP FINS V9



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(AC2106)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	-10.000	0.000	0.000	SREF 9.0000 SQ. FT
(AC2107)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	LREF 8.0000 FT.
(AC2108)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	10.000	0.000	0.000	BREF 5.0000 FT.
(AC2109)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	20.000	0.000	0.000	XHRP 0.8575 REFL
						YHRP 0.0000 FT.
						ZHRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

ELEVON EFFECTIVENESS WITH TIP FINS V9



DATA SET SYMBOL CONFIGURATION DESCRIPTION

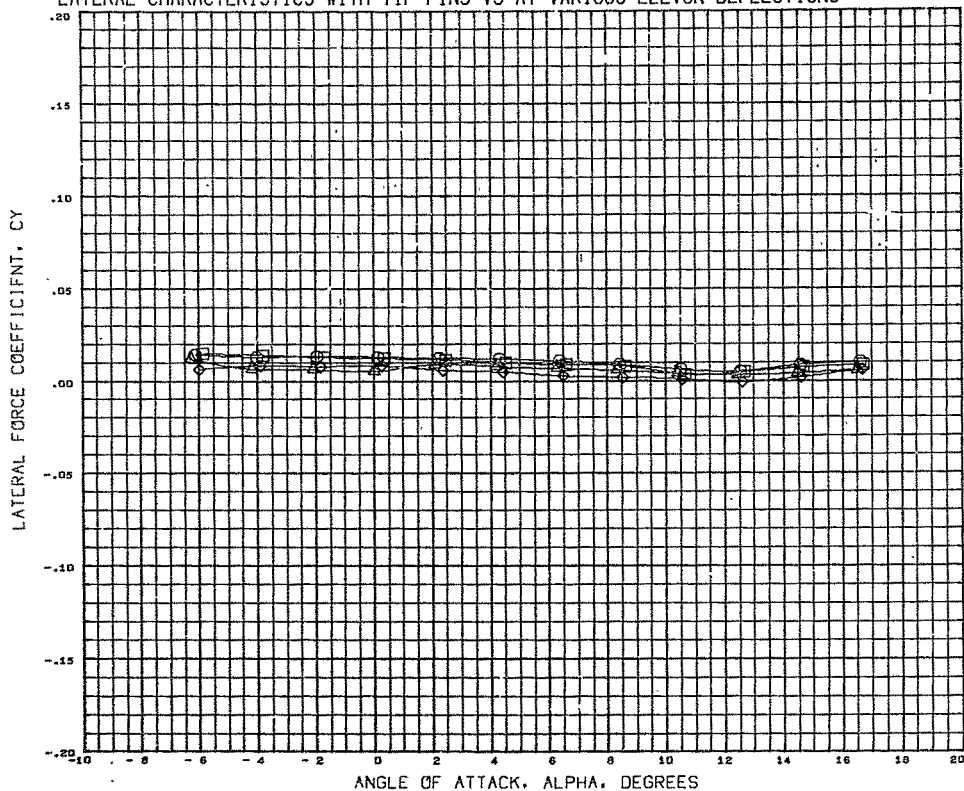
(BCZ108) Δ MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9
 (BCZ106) $\circ$ MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9
 (BCZ107) $\square$ MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9
 (BCZ109) $\diamond$ MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9

BETA ELEVON AILRON RUDDER
 0.000 -10.000 0.000 0.000
 0.000 0.000 0.000 0.000
 0.000 10.000 0.000 0.000
 0.000 20.000 0.000 0.000

REFERENCE INFORMATION
 SREF 9.0000 SQ. FT
 LREF 6.0001 FT.
 BREF 6.0000 FT.
 XWRP 0.6775 REFL
 YWRP 0.0000 FT.
 ZWRP 0.0100 REFL
 SCALE 0.0300 SCALE

MACH 0.260

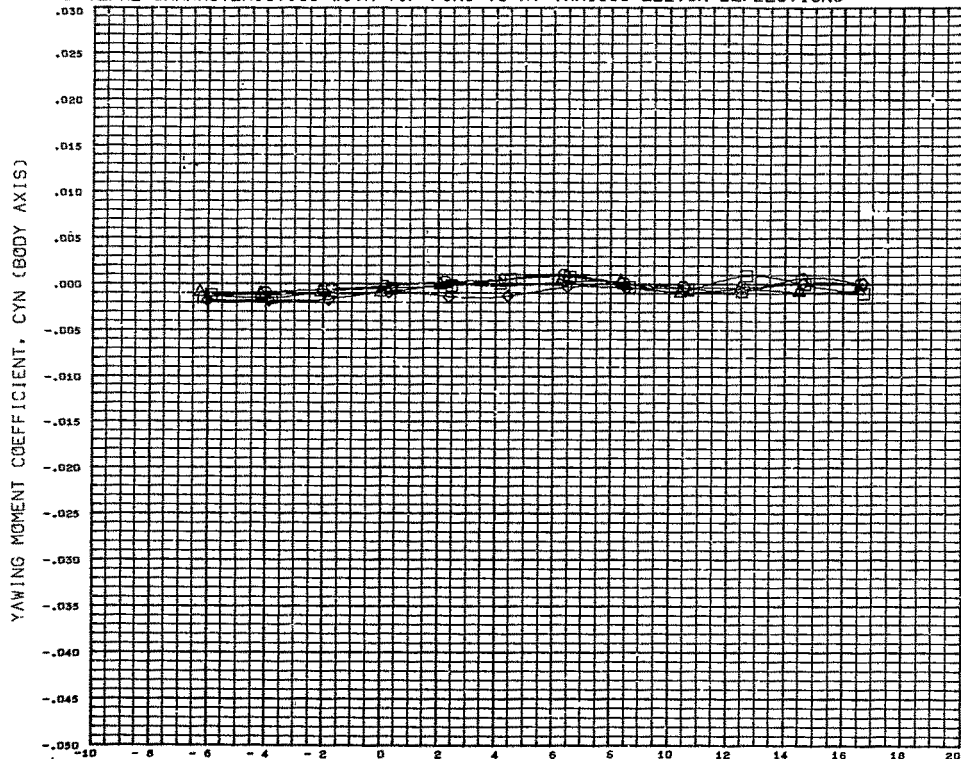
LATERAL CHARACTERISTICS WITH TIP FINS V9 AT VARIOUS ELEVON DEFLECTIONS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ108)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	-10.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZ106)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	LREF	6.9000 FT.
(BCZ107)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	10.000	0.000	0.000	RREF	6.0000 FT.
(BCZ109)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	20.000	0.000	0.000	XHRP	0.8575 REFL
						YHRP	0.0000 FT.
						ZHRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.280

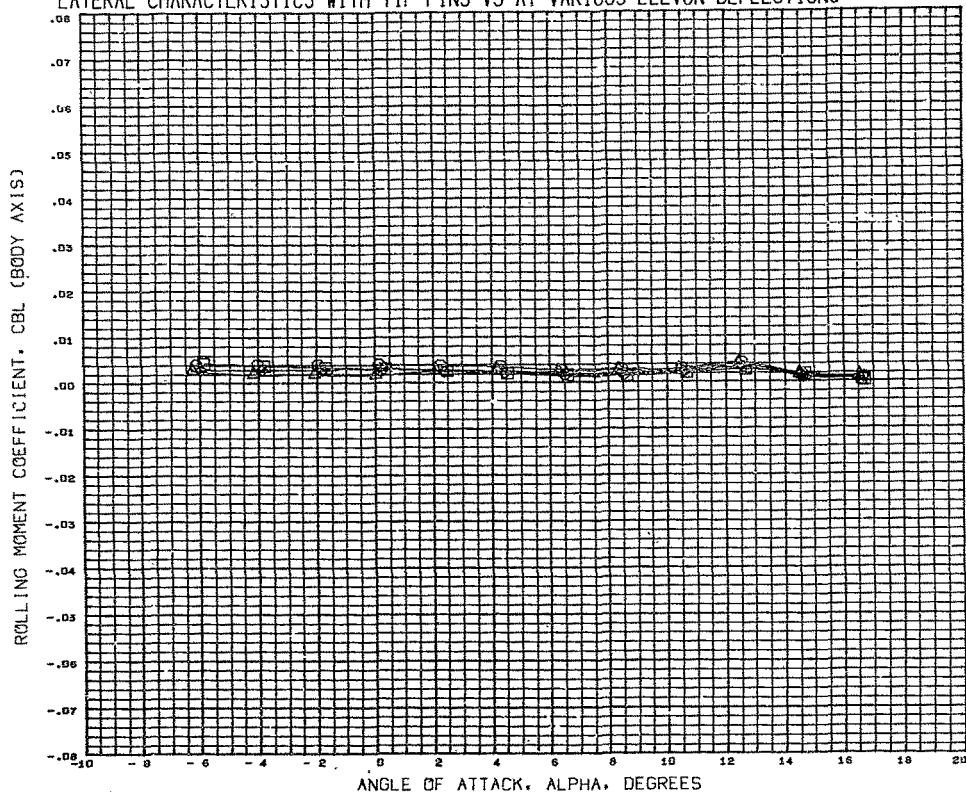
LATERAL CHARACTERISTICS WITH TIP FINS V9 AT VARIOUS ELEVON DEFLECTIONS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ108)	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	-10.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZ106)	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	LREF	6.0000 FT.
(BCZ107)	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	10.000	0.000	0.000	SREF	6.0000 FT.
(BCZ109)	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	20.000	0.000	0.000	XMRP	0.8575 REFL
						YMRP	0.0660 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

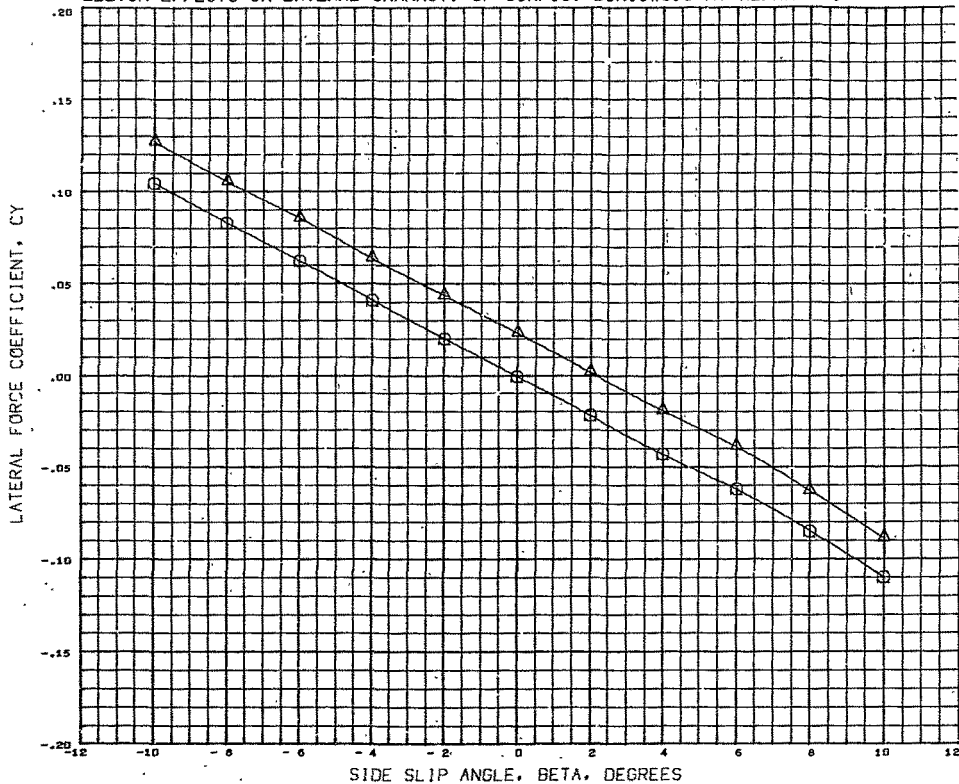
LATERAL CHARACTERISTICS WITH TIP FINS V9 AT VARIOUS ELEVON DEFLECTIONS



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ108)	NCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	-10.000	0.000	0.000	SREF	9.0000 90. FT
(BCZ106)	NCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	SREF	6.0000 FT.
(BCZ107)	NCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	10.000	0.000	0.000	BREF	6.0000 FT.
(BCZ109)	NCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	20.000	0.000	0.000	XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA = -4



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BCZ001) HCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6
(BCZ007) HCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6

ALPHA ELEVON AILRON

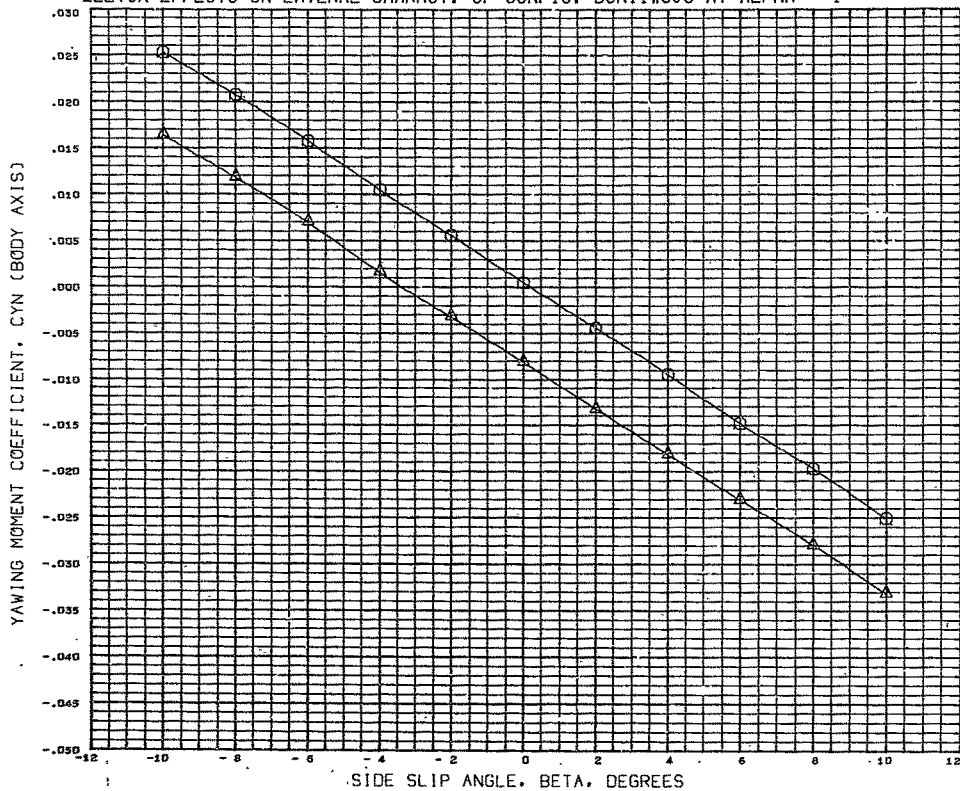
-4.000 0.500 0.000
-4.000 0.000 20.000

REFERENCE INFORMATION

SREF 9.0000 SQ. FT
LREF 6.0000 FT.
BREF 6.0000 FT.
XMRP 0.8575 REFL
YMRP 0.8000 FT.
ZMRP 0.0100 REFL
SCALE 0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =-4



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BC2001)  MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6
 (BC2007)  MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6

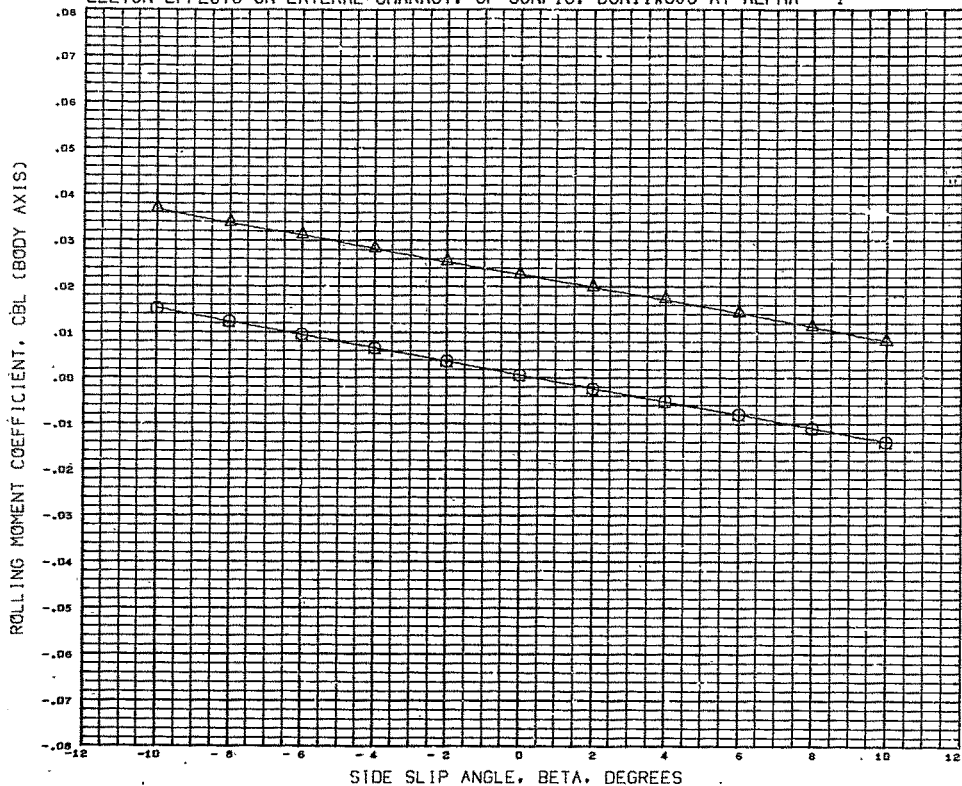
ALPHA	ELEVON	AILRON
-4.000	0.000	0.000
-4.000	0.000	20.000

REFERENCE INFORMATION

SREF	9.0000	SG, FT
LREF	6.0000	FT
BREF	6.0000	FT
XMRP	0.8575	REFL
YMRP	0.0000	FT
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA = -4



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BC2001) MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6
 (BC2007) MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6

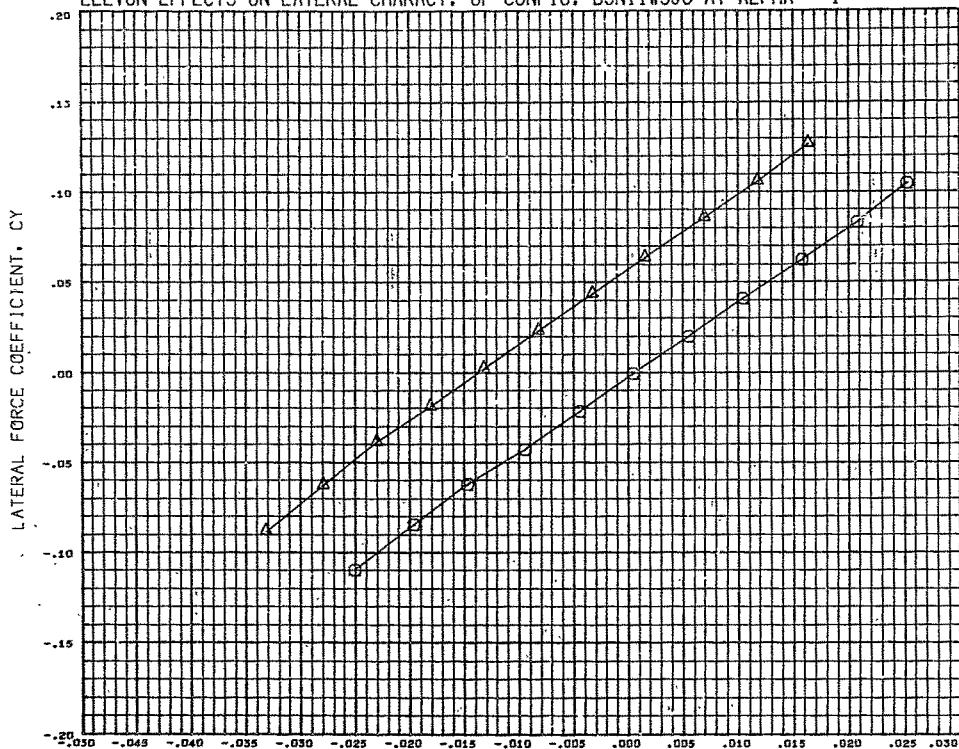
ALPHA	ELEVON	AILRON
-4.000	0.000	0.000
-4.000	0.000	20.000

REFERENCE INFORMATION

SREF	9.0000	SG.
LREF	6.0000	FT.
BREF	3.0000	FT.
XMRP	0.0575	REFL
YMRP	0.0000	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA = -4

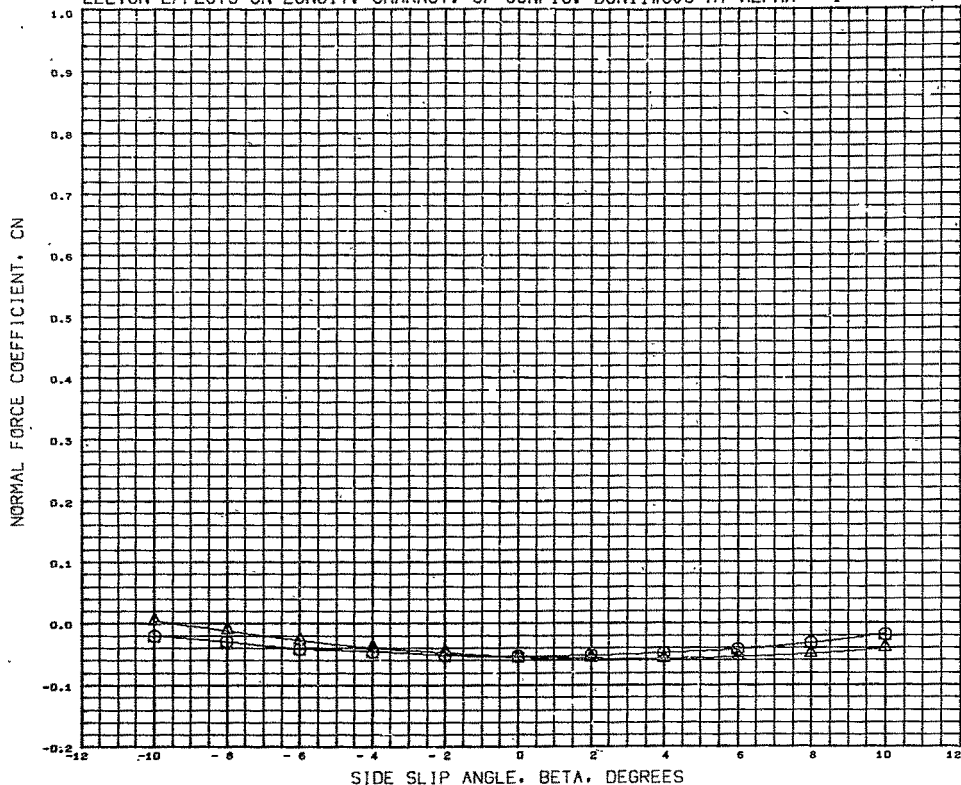


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	REFERENCE INFORMATION
(BCZ001)	Δ MCAIR LSWT 250 3.0PCT MDAC/MMC BOOST B3N11W5J6	-4.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ007)	Δ MCAIR LSWT 250 3.0PCT MDAC/MMC BOOST B3N11W5J6	-4.000	0.000	20.000	LREF 6.0000 FT.
					BREF 6.0000 FT.
					YNRP 0.8575 REFL
					YNRP 0.6000 FT.
					YNRP 0.0100 REFL
					SCALE 0.0300 SCALE

MACH 0.360

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA = -4



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BCZ001) Δ MCAIR LSWT 258 3.0PCT HDAC/MHC BOOST B3N11W5J6
 (BCZ007) Δ MCAIR LSWT 258 3.0PCT HDAC/MHC BOOST B3N11W5J6

ALPHA ELEVON AILRON

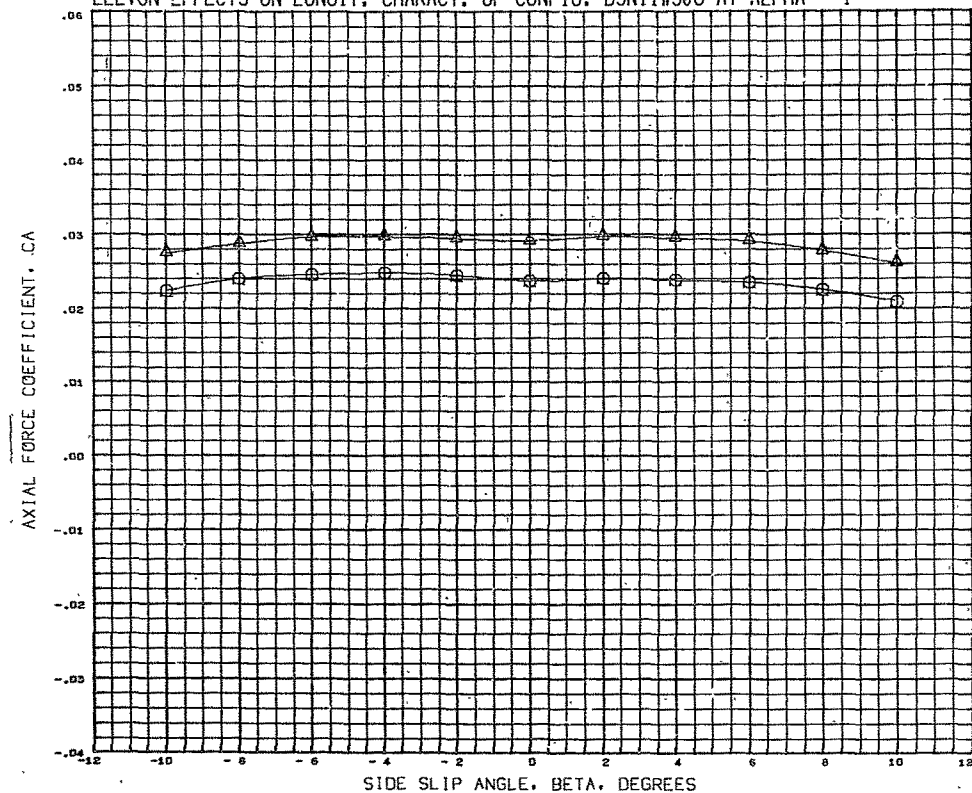
-4.000 0.000 0.000
 -4.000 0.000 20.000

REFERENCE INFORMATION

SREF 9.0000 SQ. FT
 LREF 6.0000 FT.
 PREF 6.0000 FT.
 YMRP 0.4575 REFL
 YMRP 0.0000 FT.
 ZMRP 0.0000 REFL
 SCALE 0.0000 SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA = -4



DATA SET SYMBOL CONFIGURATION DESCRIPTION

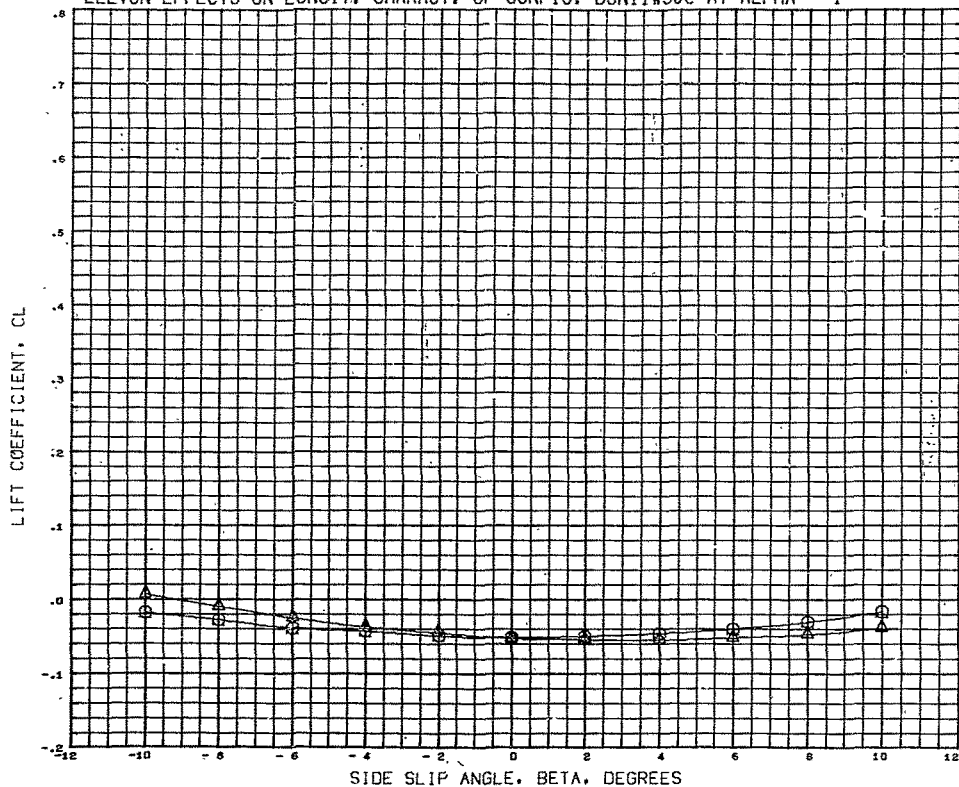
(BC2001) $\bigcirc$ HCAIR LSWT 298 3.0PCT MDAC/MHC BOOST B3N11W5J6
 (BC2007) $\triangle$ HCAIR LSWT 298 3.0PCT MDAC/MHC BOOST B3N11W5J6

ALPHA ELEVON AILRON
 -4.000 0.000 0.000
 -4.000 0.000 20.000

REFERENCE INFORMATION
 SREF 9.0000 SQ. FT
 LREF 6.0000 FT.
 BREF 3.0550 FT.
 XMRP 0.6575 REFL
 YMRP 0.0000 FT.
 ZMRP 0.0100 REFL
 SCALE 0.0390 SCALE

HACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA = -4



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ001) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6

(ACZ007) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6

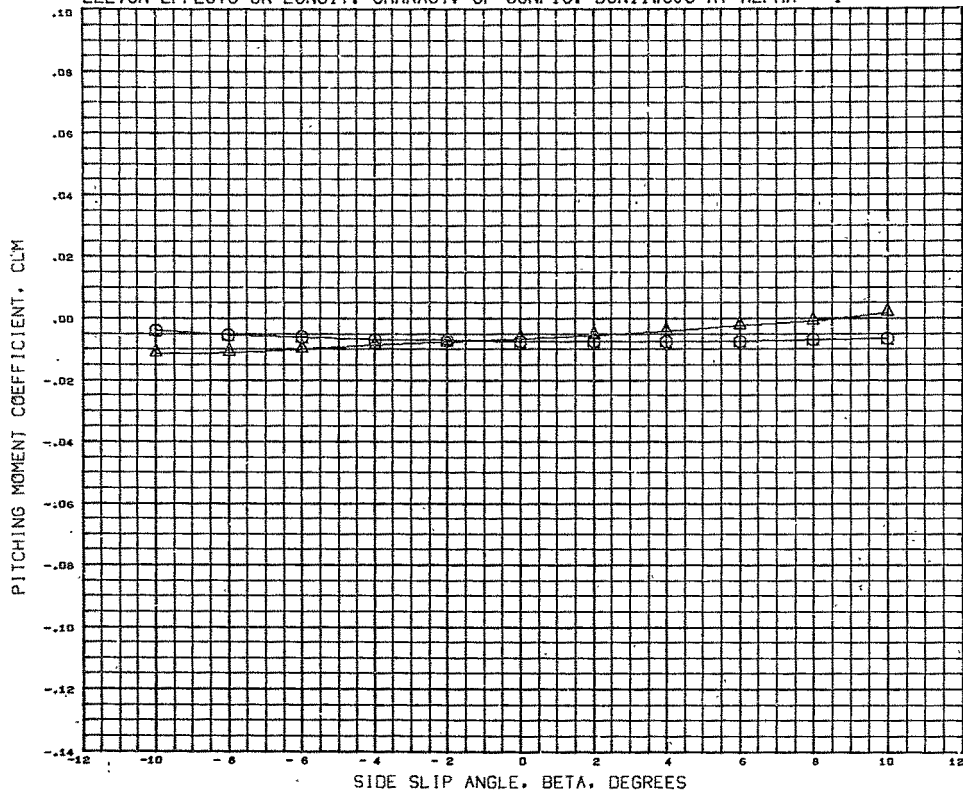
ALPHA	ELEVON	AILRON
-4.000	0.000	0.000
-4.000	0.000	20.000

REFERENCE INFORMATION

SREF	9.0000	SG. FT
LREF	6.0000	FT.
BREF	4.0000	FT.
XNRP	0.8575	REFL
YNRP	0.0000	FT.
ZNRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA = -4



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ001) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6

(ACZ007) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6

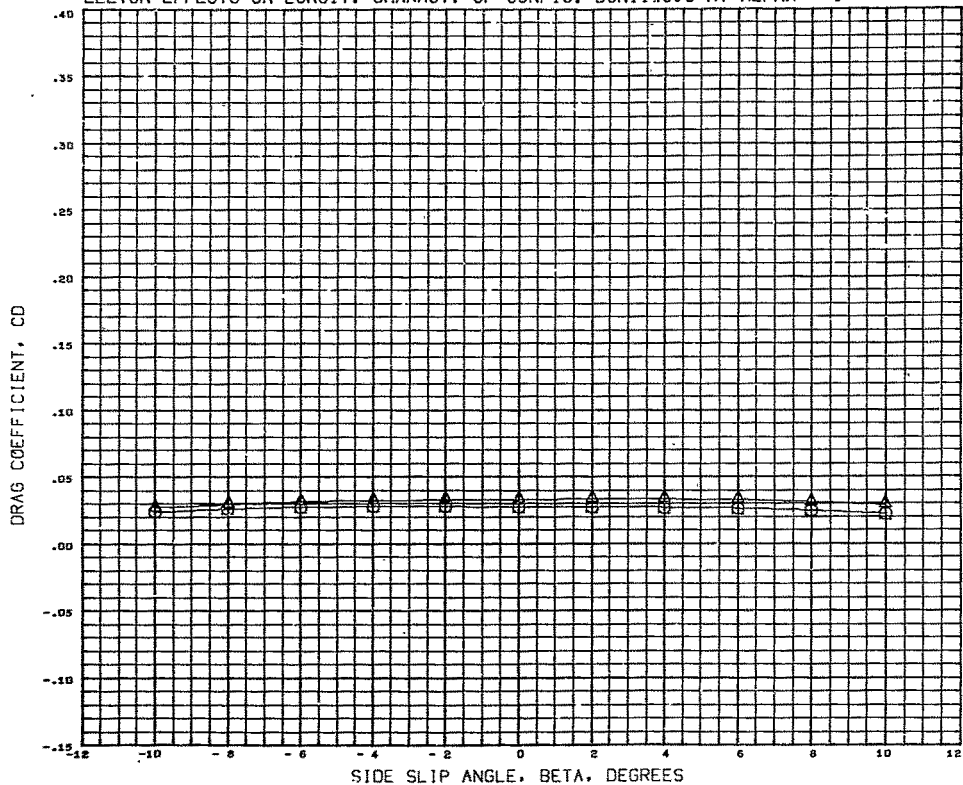
ALPHA	ELEVON	AILRON
-4.000	0.500	0.000
-4.000	0.000	20.000

REFERENCE INFORMATION

SREF	9.0000	SG, FT
LREF	6.0000	FT.
BREF	6.0000	FT.
XMRP	0.0375	REFL
YMRP	0.0000	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =-4



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ001) MCAIR LSMT 258' 3.0PCT MDAC/HMC BOOST B3N11W5J6

(ACZ007) MCAIR LSMT 258' 3.0PCT MDAC/HMC BOOST B3N11W5J6

ALPHA ELEVON AILRON

-4.000 0.000 0.000

-4.000 0.000 20.000

REFERENCE INFORMATION

SREF 9.0000 SQ. FT

LREF 6.0000 FT.

BREF 6.0000 FT.

YMRP 0.8575 REFL

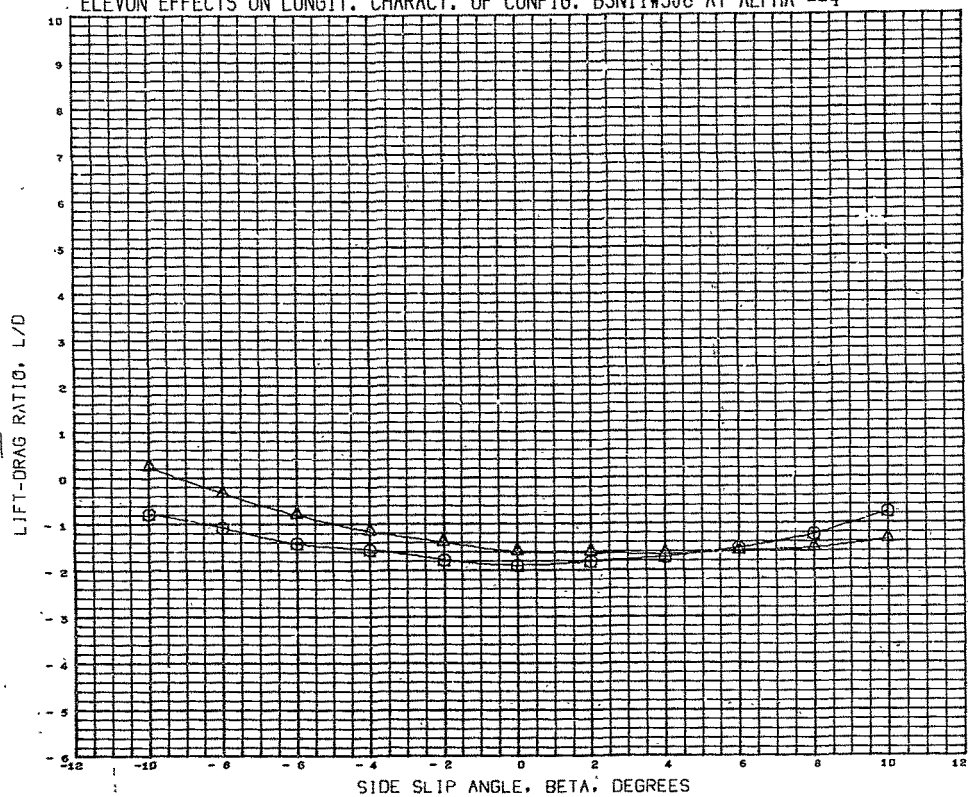
YMRP 0.0000 FT.

ZMRP 0.0100 REFL

SCALE 0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA = -4

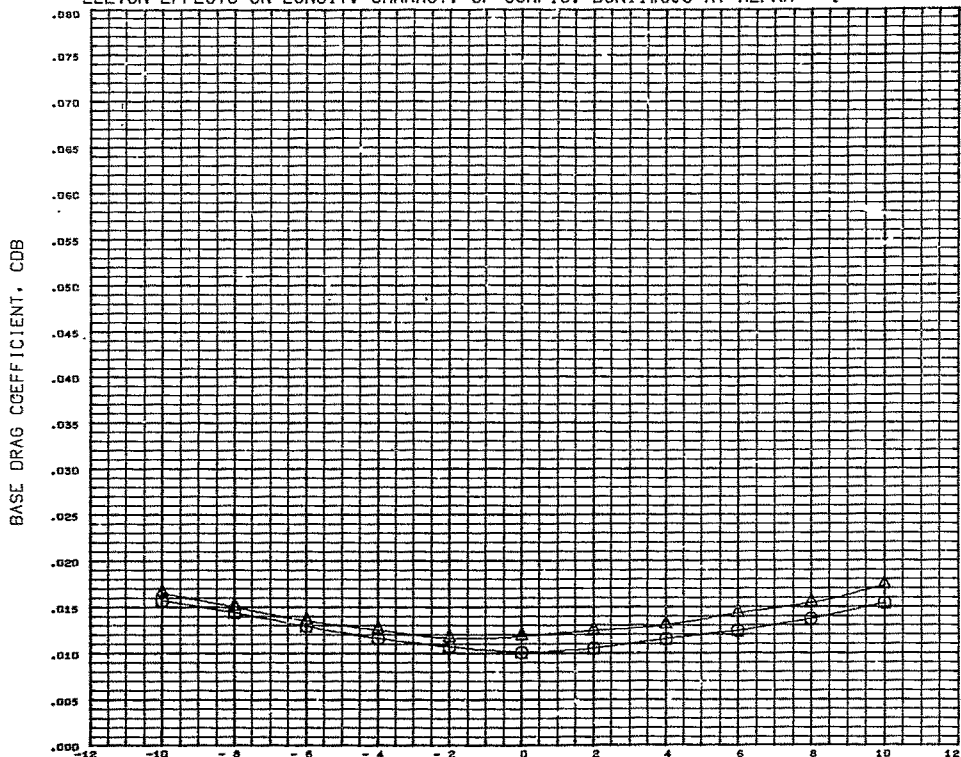


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON
(ACZ001)	MCAR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6	-4.000	0.000	0.000
(ACZ007)	MCAR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6	-4.000	0.000	20.000

REFERENCE INFORMATION	
SREF	9.0000 SQ. FT
LREF	8.0000 FT.
BREF	5.0000 FT.
XMRP	0.6575 REFL
YMRP	0.0000 FT.
ZMRP	0.0100 REFL
SCALE	0.0300 SCALE

NACH D.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =-4



DATA SET SYMBOL CONFIGURATION DESCRIPTION

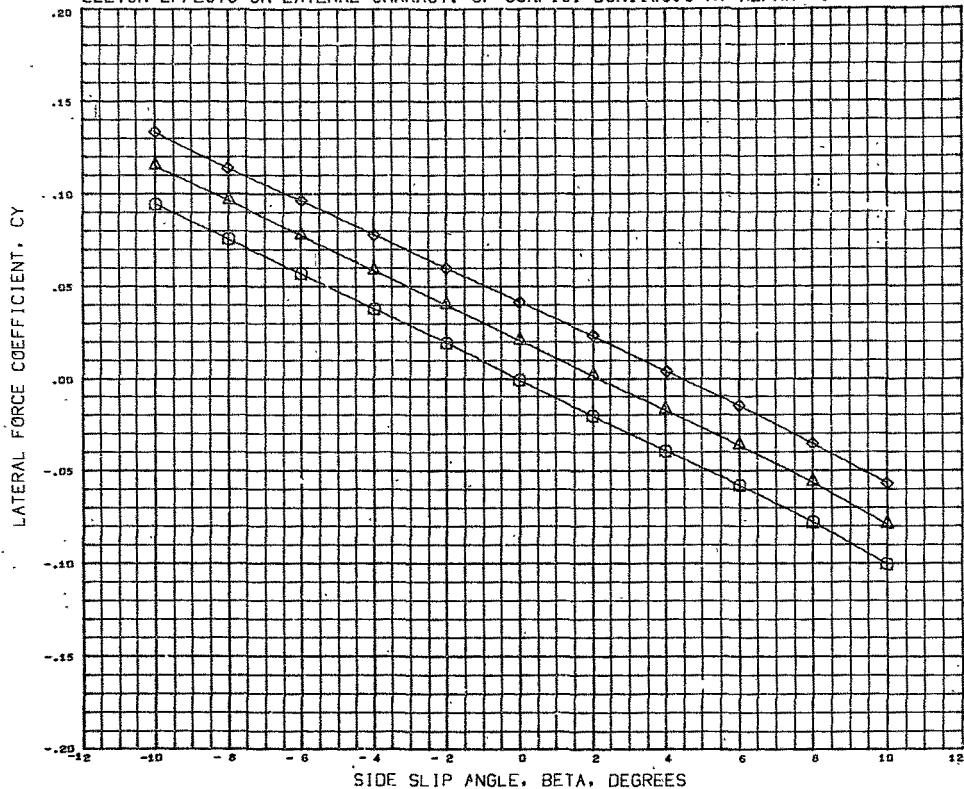
(AC2001) Q MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6
(AC2007) Δ MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6

ALPHA ELEVON AILRON
-4.000 0.000 0.000
-4.000 0.000 20.000

REFERENCE INFORMATION
SREF 9.0000 SQ. FT
LREF 6.0000 FT.
BREF 6.0000 FT.
XMRP 0.8575 REFL
YMRP 0.0000 FT.
ZMRP 0.0100 REFL
SCALE 0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA = 0



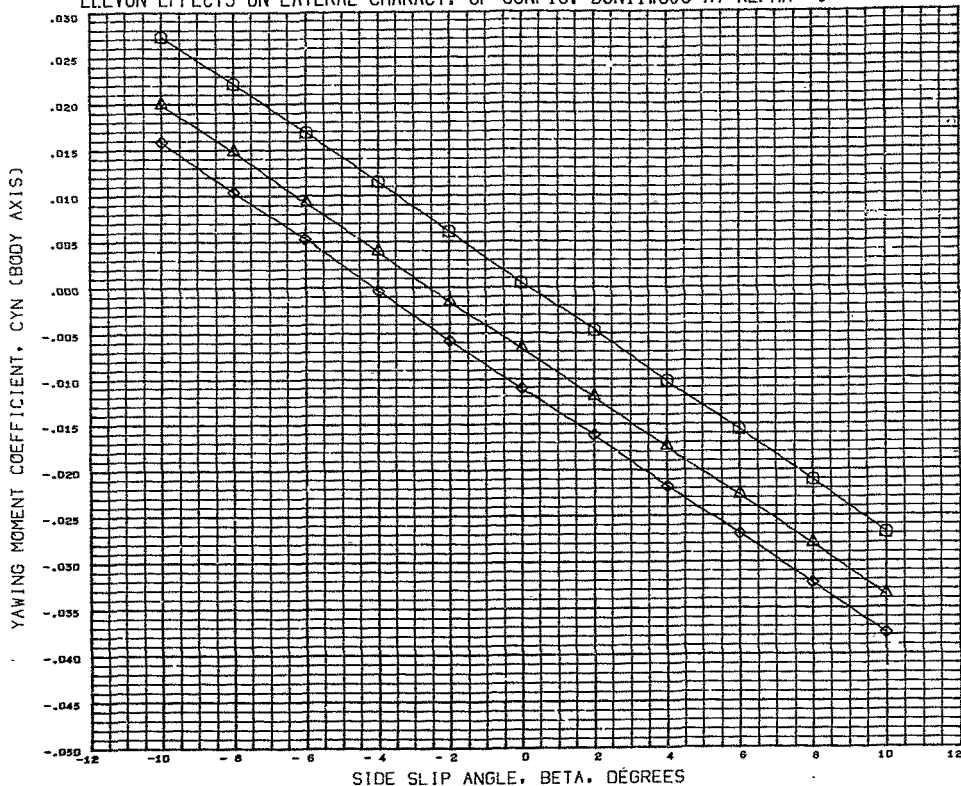
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BC2002)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6
(BC2008)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6
(BC2013)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6

ALPHA	ELEVON	AILRON
0.000	0.000	0.000
0.000	0.000	20.000
0.000	5.000	30.000

REFERENCE INFORMATION	
SREF	9.0000 SQ. FT
LREF	6.0003 FT.
BREF	6.0000 FT.
YMRP	0.4375 REFL
YMRP	0.0000 FT.
ZMRP	0.0100 REFL
SCALE	0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BC2002) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6
 (BC2008) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6
 (BC2013) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6

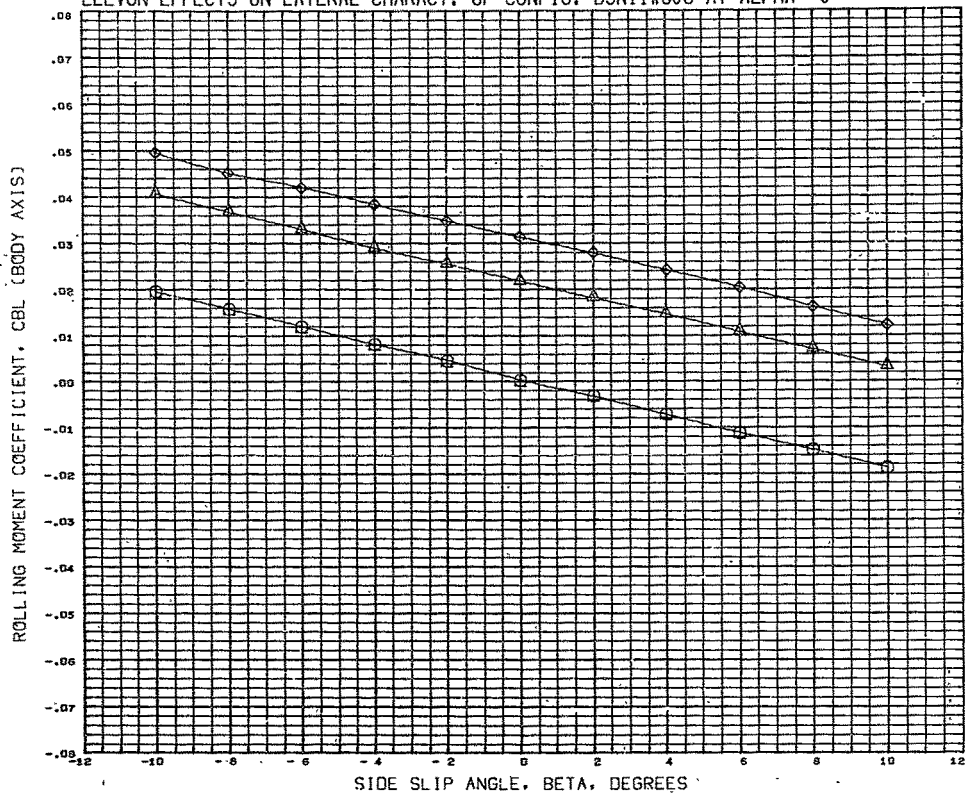
ALPHA	ELEVON	AIRLON
0.000	0.000	0.000
0.000	0.000	20.000
0.000	5.000	30.000

REFERENCE INFORMATION

SREF	9.0000	50. FT
LRFP	6.0000	FT.
BREF	6.0000	FT.
XMRP	0.8575	REFL
YMRP	0.0000	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.250

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BCZ002) $\diamond$ MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6

(BCZ000) $\triangle$ MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6

(BCZ013) $\circ$ MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6

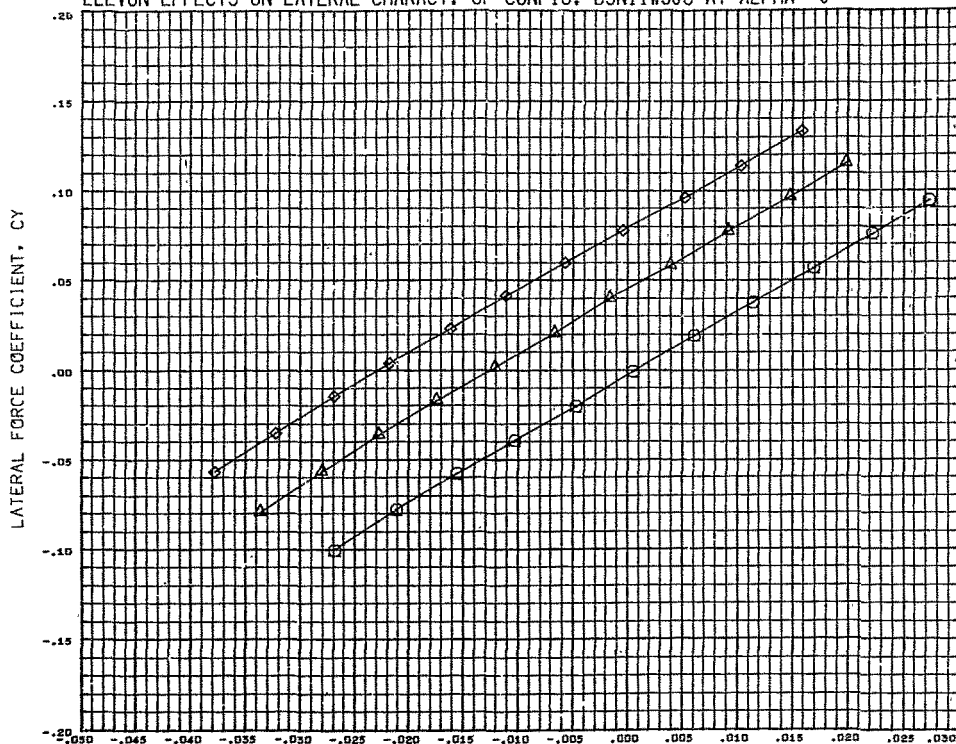
ALPHA	ELEVON	AILRON
0.000	0.000	0.000
0.000	0.000	20.000
0.000	5.000	30.000

REFERENCE INFORMATION

SREF	9.0000	SQ. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
XMRP	0.8575	REFL
YMRP	0.0000	FT.
ZMRP	0.0150	REFL
SCALE	0.0360	SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =0

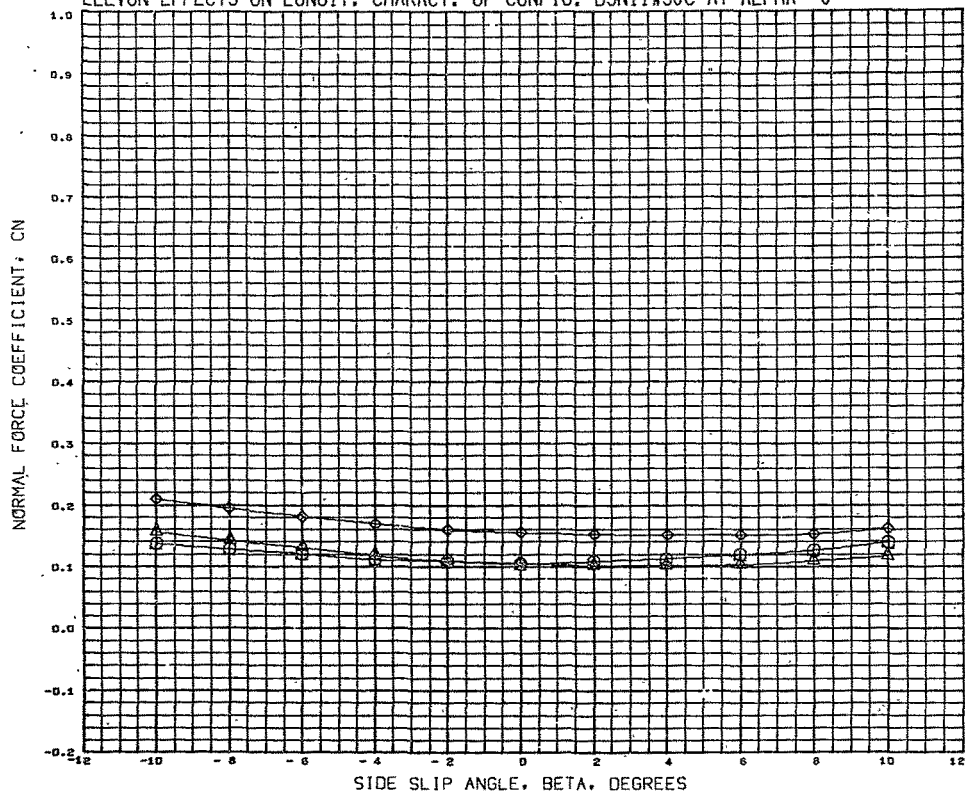


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	REFERENCE INFORMATION
(BCZ002) □	MCAIR LSWT 256 3.0PCT MDAC/MNC BOOST B3N11W5J6	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ008) △	MCAIR LSWT 256 3.0PCT MDAC/MNC BOOST B3N11W5J6	0.000	0.000	20.000	LREF 6.0000 FT.
(BCZ013) ◇	MCAIR LSWT 256 3.0PCT MDAC/MNC BOOST B3N11W5J6	0.000	5.000	30.000	BREF 6.0000 FT.
					YMRP 0.3475 REFL
					YMRP 0.0000 FT.
					ZMRP 0.0100 REFL
					SCALE 0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BCZ002) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6
 (BCZ006) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6
 (BCZ013) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6

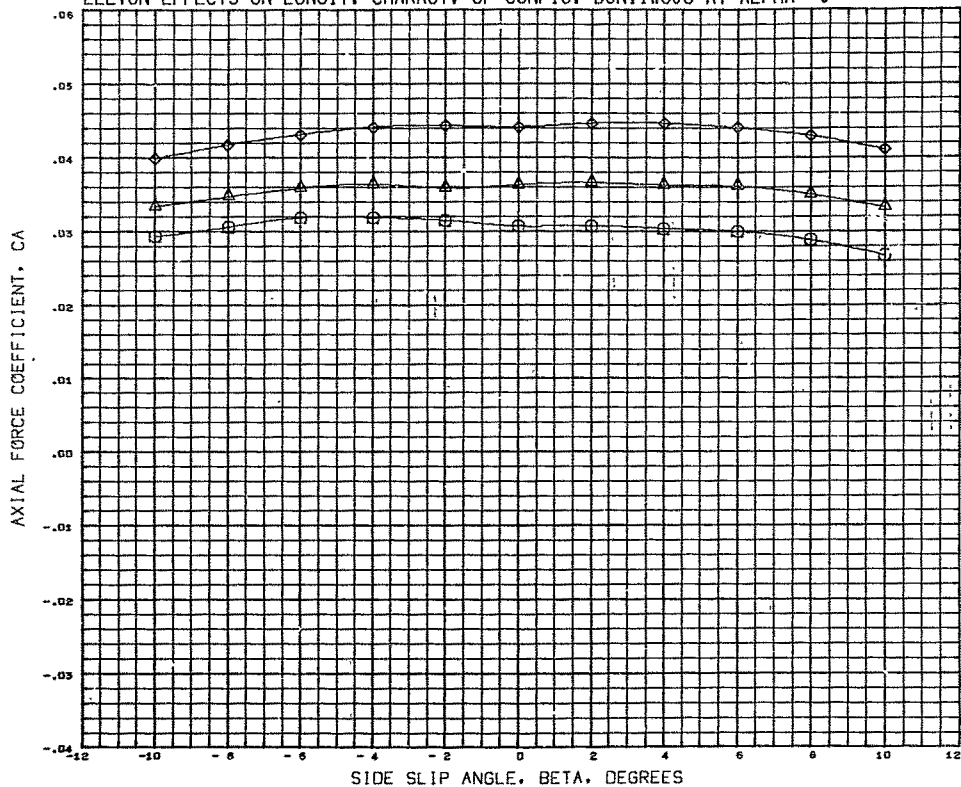
ALPHA	ELEVON	AILRON
0.000	0.000	0.000
0.000	0.000	20.000
0.000	0.000	30.000

REFERENCE INFORMATION

SREF	9.0000	50. FT
LREF	6.0000	FT.
BREF	8.0000	FT.
XMRP	0.8575	REFL
YMRP	0.0000	FT.
ZMRP	0.0500	REFL
SCALE	0.0300	SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA = 0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BC2002) MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6

(BC2008) MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6

(BC2013) MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6

ALPHA ELEVON AILRON

0.000 0.000 0.000

0.000 0.000 20.000

0.000 5.000 30.000

REFERENCE INFORMATION

SREF 9.0000 SQ. FT

LREF 6.0000 FT.

BREF 6.0000 FT.

XMRP 0.8575 REFL

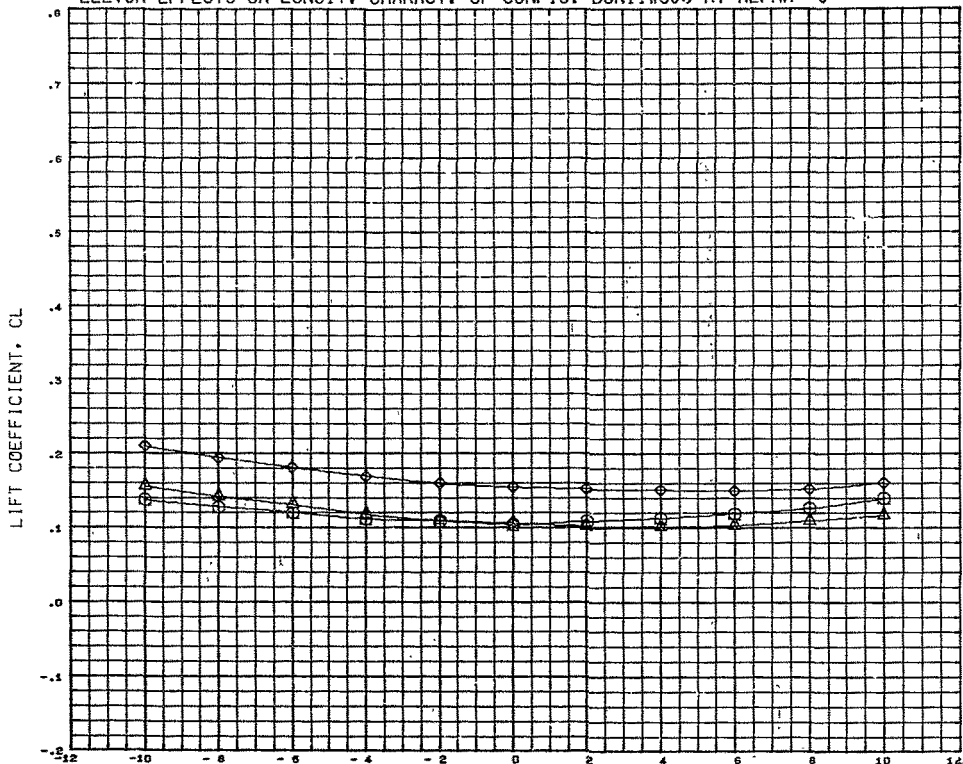
YMRP 0.0000 FT.

ZMRP 0.0100 REFL

SCALE 0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =0



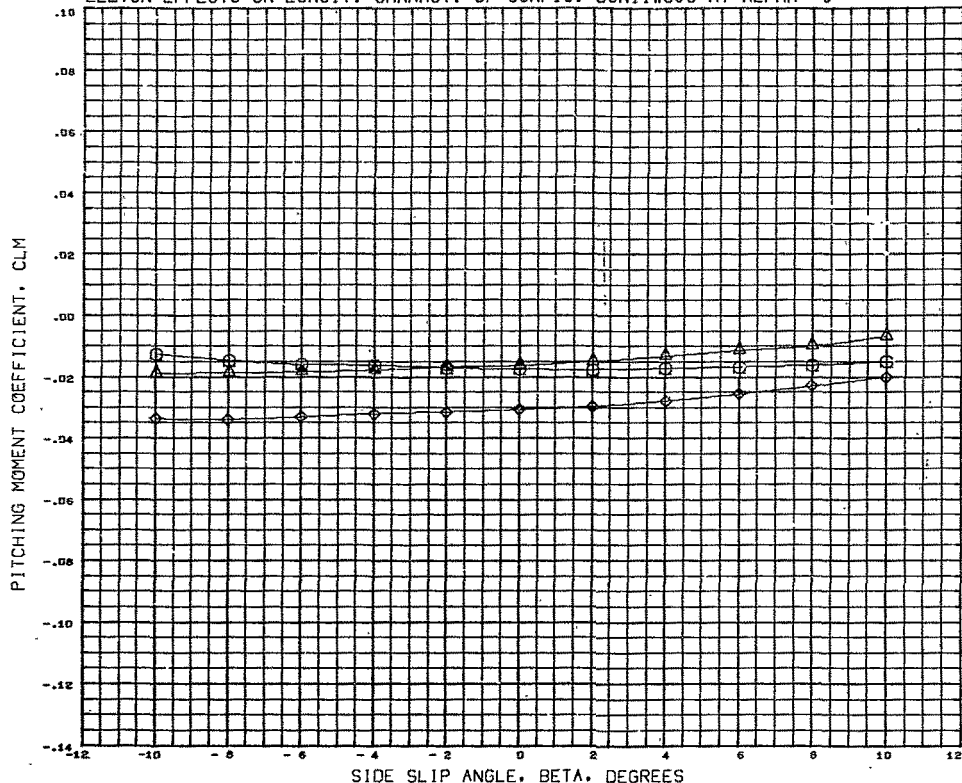
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ACZ002) MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6
 (ACZ008) MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6
 (ACZ013) MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6

ALPHA	ELEVON	AILRON
0.000	0.000	0.000
0.000	0.000	20.000
0.000	5.000	30.000

REFERENCE INFORMATION
 SREF 9.0000 SQ. FT
 LREF 6.0000 FT.
 BREF 6.0000 FT.
 XMRP 0.8575 REFL
 YMRP 0.0000 FT.
 ZMRP 0.0100 REFL
 SCALE 0.0300 SCALE

HACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ002) MCAIR LSMT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6
 (ACZ008) MCAIR LSMT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6
 (ACZ013) MCAIR LSMT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6

ALPHA ELEVON AILRON
 0.000 0.000 0.000
 0.000 0.000 20.000
 0.000 5.000 30.000

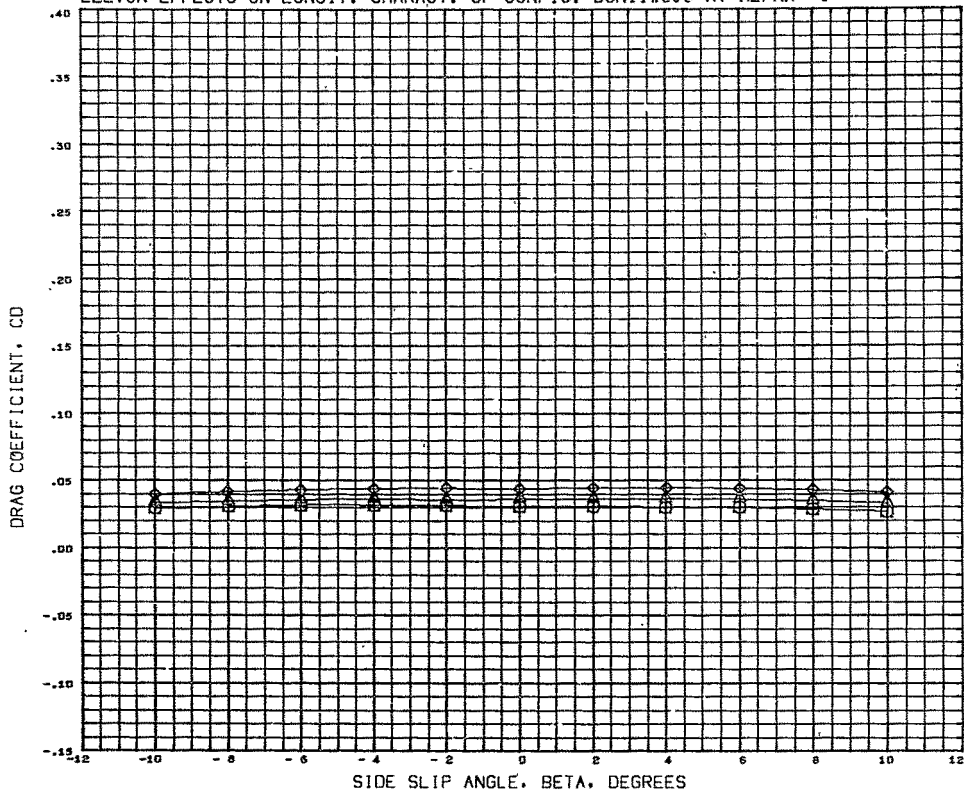
REFERENCE INFORMATION

SREF 9.0000 SQ. FT
 LREF 6.0000 FT.
 BREF 6.0000 FT.
 XMRP 0.0575 REFL
 YMRP 0.0000 FT.
 ZMRP 0.0100 REFL
 SCALE 0.0300 SCALE

MACH

0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ002) MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6

(ACZ008) MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6

(ACZ013) MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6

ALPHA ELEVON AILRON

0.000 0.000 0.000

0.000 0.000 20.000

0.000 5.000 30.000

REFERENCE INFORMATION

SREF 9.0000 SQ. FT

LREF 6.0000 FT.

BREF 6.0000 FT.

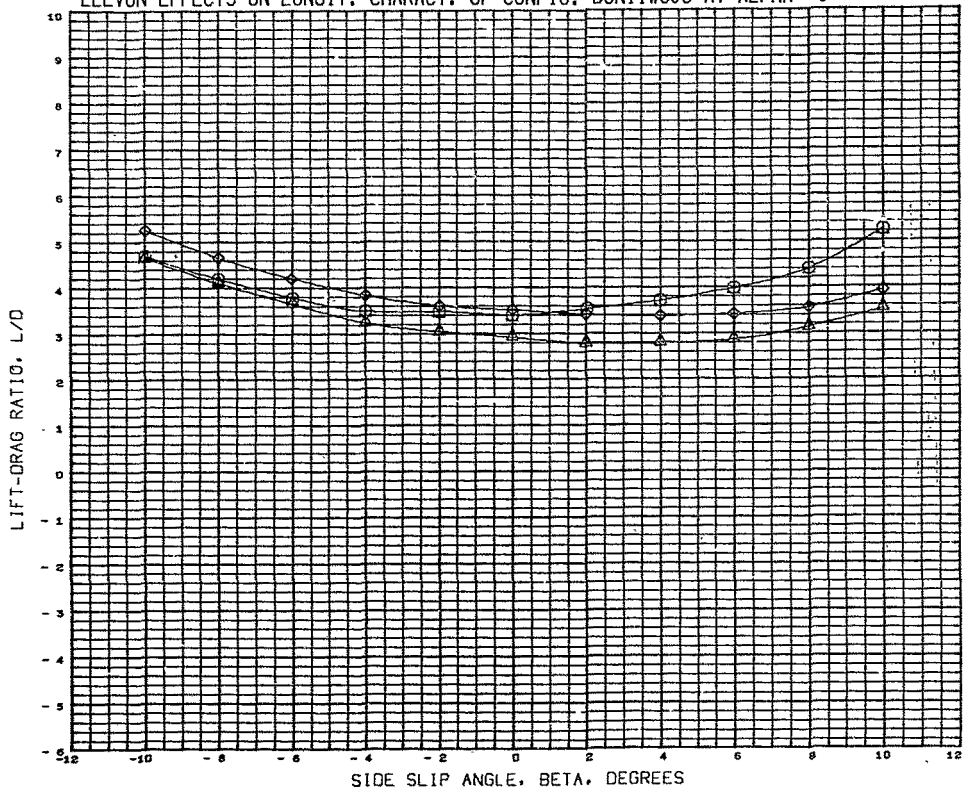
YMRP 0.8575 REFL

ZMRP 0.0100 REFL

SCALE 0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AC2002) ○ MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6
 (AC2008) ▲ MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6
 (AC2013) ◇ MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6

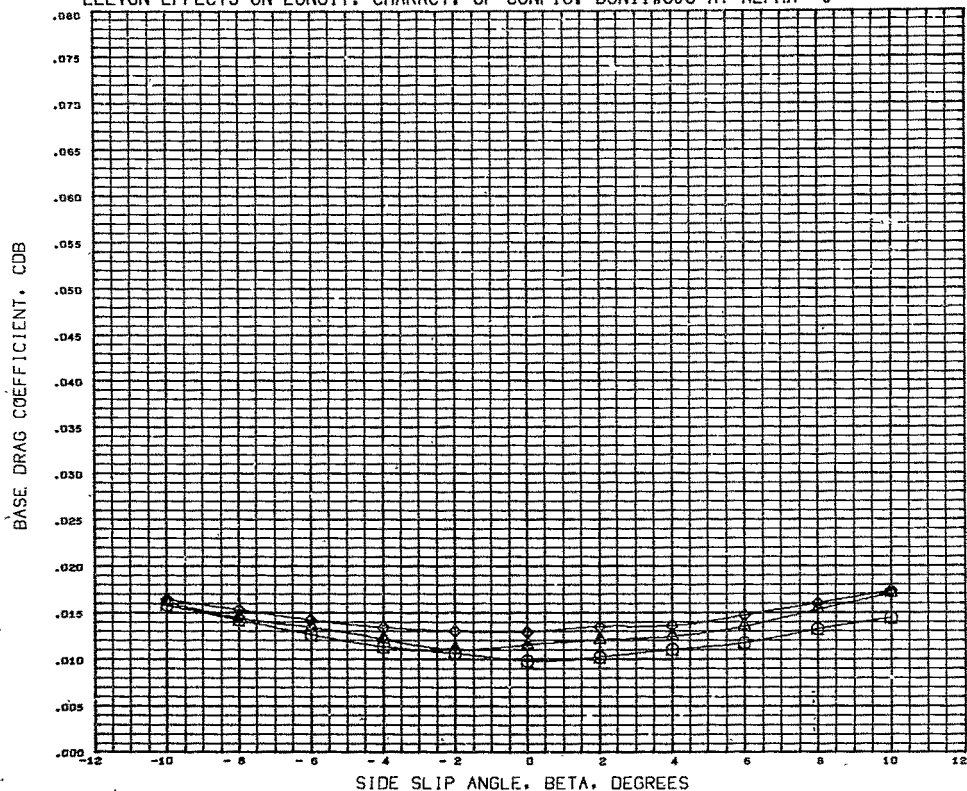
ALPHA ELEVON AILRON
 0.000 0.000 0.000
 0.000 0.000 20.000
 0.000 5.000 30.000

REFERENCE INFORMATION

SREF 9.0000 SQ. FT
 LREF 6.0000 FT.
 BREF 6.0000 FT.
 XMRP 0.8575 REFL
 YMRP 0.6000 FT.
 ZMRP 0.0100 REFL
 SCALE 0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =0



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ002) MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6
 (ACZ008) MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6
 (ACZ013) MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6

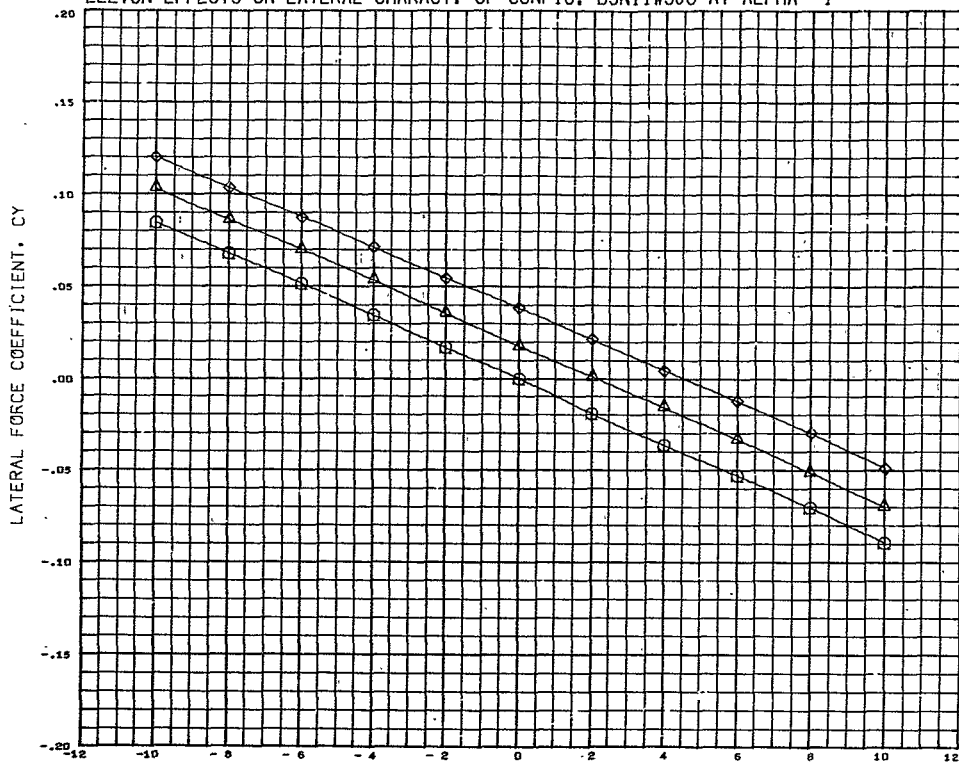
ALPHA	ELEVON	AILRON
0.000	0.000	0.000
0.000	0.000	20.000
0.000	5.000	30.000

REFERENCE INFORMATION

SREF	9.0000	SQ. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
YMRP	0.0575	REFL
ZMRP	0.0610	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =4



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BCZ003) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6
 (BCZ009) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6
 (BCZ014) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6

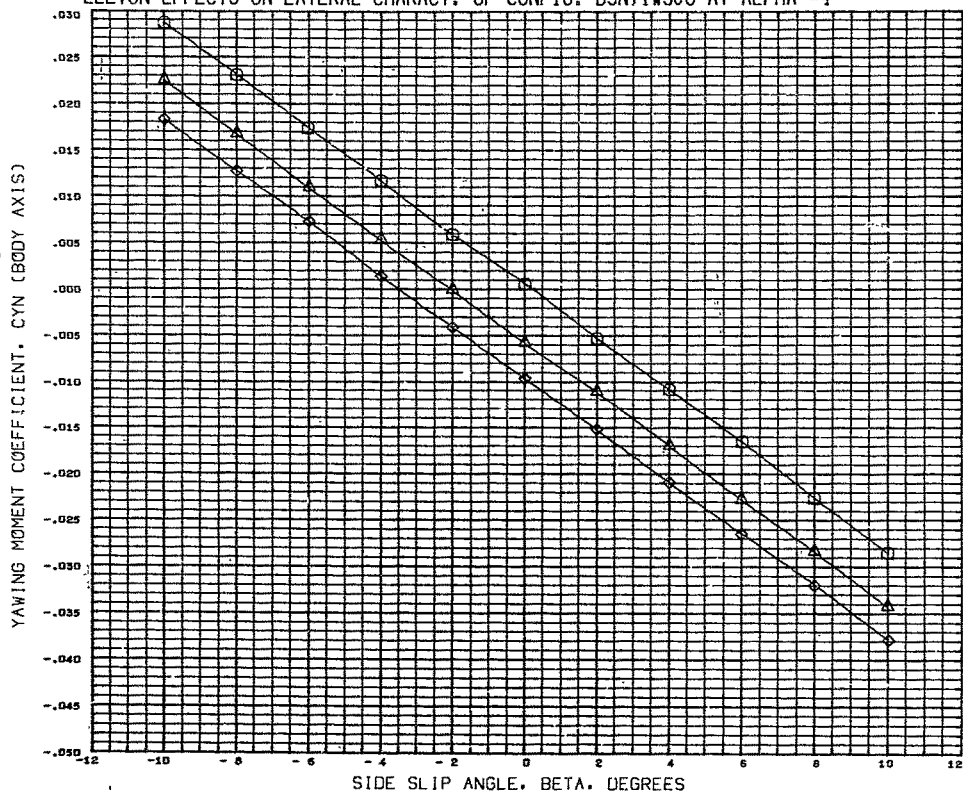
ALPHA	ELEVON	AILRON
4.000	0.000	0.000
4.000	0.000	20.000
4.000	5.000	30.000

REFERENCE INFORMATION

SREF	9.0000	30. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
XMRP	0.8575	REFL
YMRP	0.0000	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =4



DATA SET SYMBOL CONFIGURATION DESCRIPTION

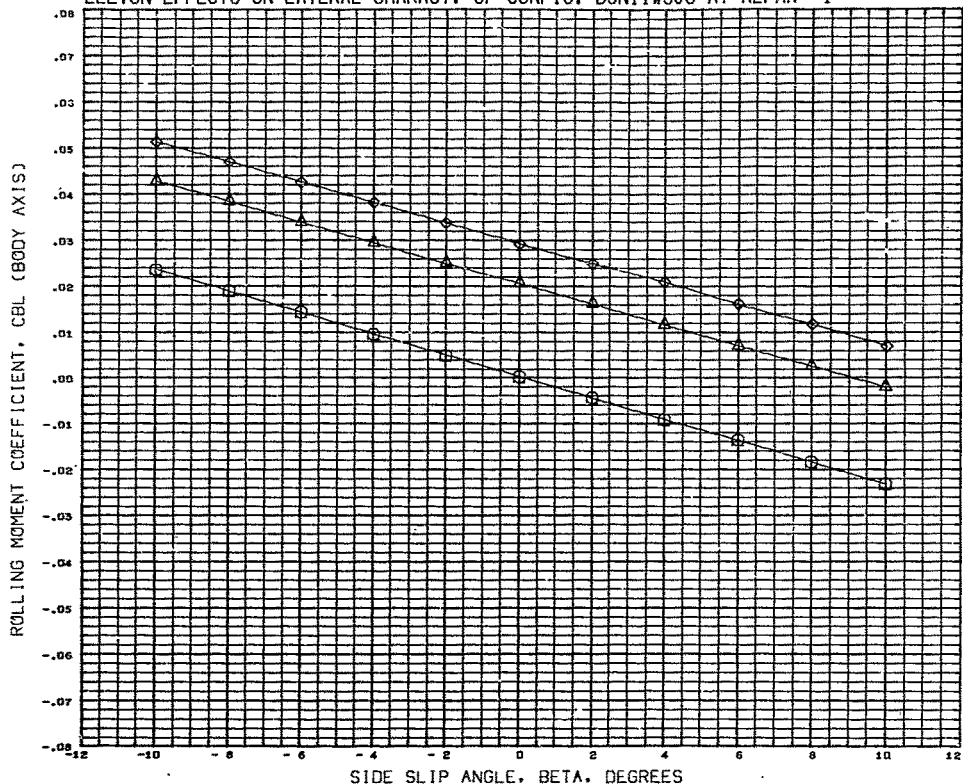
(BCZ003) ○ MCAIR LSWT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6
 (BCZ009) △ MCAIR LSWT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6
 (BCZ014) ◇ MCAIR LSWT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6

ALPHA ELEVON AILRON
 4.000 0.000 0.000
 4.000 0.000 20.000
 4.000 30.000 30.000

REFERENCE INFORMATION
 SREF 9.0000 SQ. FT
 LREF 6.0000 FT.
 BREF 6.0000 FT.
 XMRP 0.8577 REFL
 YMRP 0.0100 FT.
 ZMRP 0.0100 REFL
 SCALE 0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =4



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BC2003) ○ NCAIR LSWT 250 3.0PCT NDAC/MHC BOOST B3N11W5J6
 (BC2009) △ NCAIR LSWT 250 3.0PCT NDAC/MHC BOOST B3N11W5J6
 (BC2014) ◇ NCAIR LSWT 250 3.0PCT NDAC/MHC BOOST B3N11W5J6

ALPHA ELEVON AILRON
 4.000 0.000 0.000
 4.000 0.000 20.000
 4.000 5.000 30.000

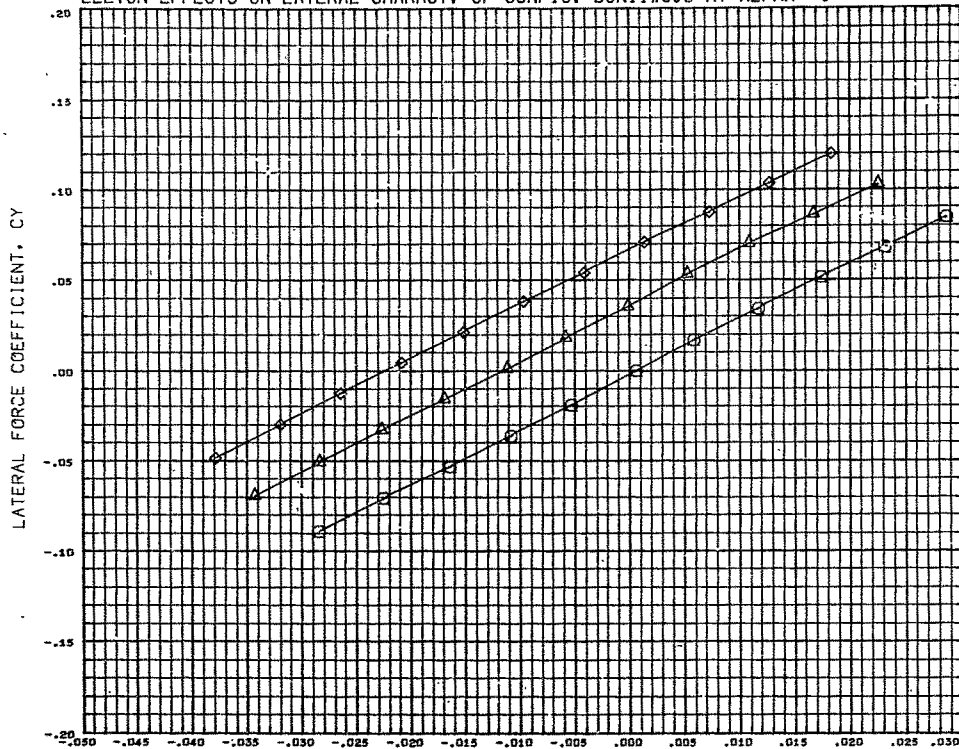
REFERENCE INFORMATION

SREF 9.0000 SQ. FT
 LREF 6.0000 FT.
 BREF 6.0000 FT.
 XMRP 0.8575 REFL
 YMRP 0.0000 FT.
 ZMRP 0.0100 REFL
 SCALE 0.0300 SCALE

MACH

0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =4

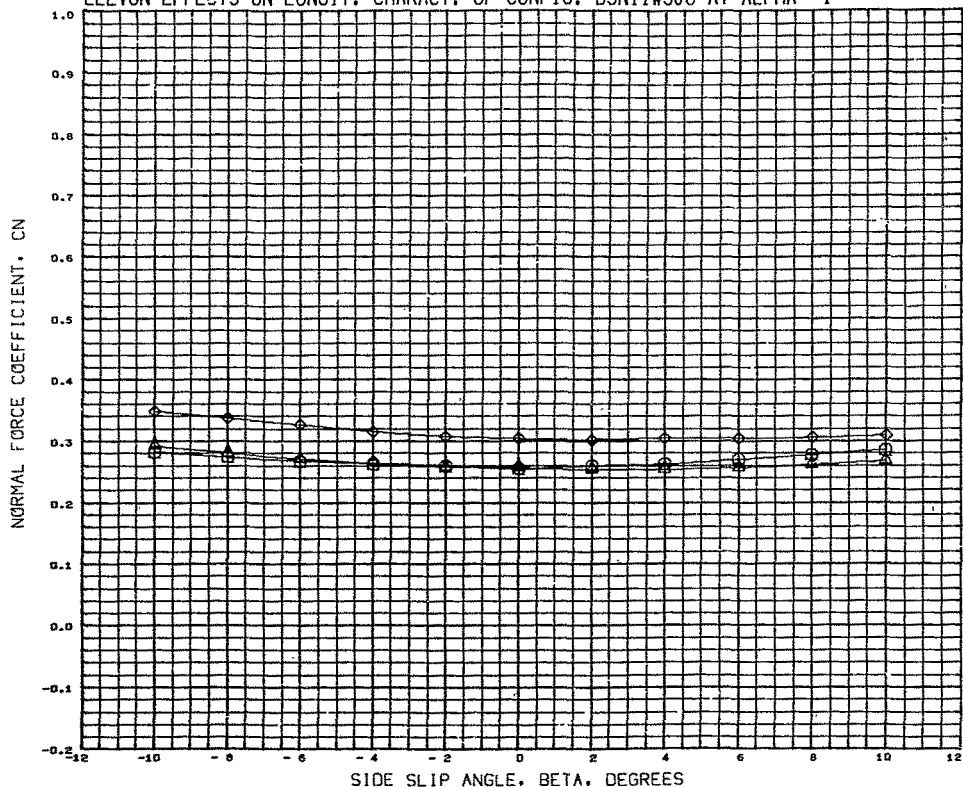


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	REFERENCE INFORMATION	
(BCZ003)	MCAIR LSWT 258 3.0PCT MDAC/MMC BOOST B3N11W5J6	4.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZ009)	MCAIR LSWT 258 3.0PCT MDAC/MMC BOOST B3N11W5J6	4.000	0.000	20.000	LREF	6.0000 FT.
(BCZ014)	MCAIR LSWT 258 3.0PCT MDAC/MMC BOOST B3N11W5J6	4.000	5.000	30.000	BREF	4.0000 FT.
					YMRP	0.8575 REFL
					YMRP	0.0000 FT.
					ZMRP	0.0100 REFL
					SCALE	0.0300 SCALE

MACH 0.265

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =4



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(8CZ003) MCAIR LSWT 25% 3.0PCT MDAC/MHC BOOST B3N11W5J5
 (8CZ009) MCAIR LSWT 25% 3.0PCT MDAC/MHC BOOST B3N11W5J6
 (8CZ014) MCAIR LSWT 25% 3.0PCT MDAC/MHC BOOST B3N11W5J6

ALPHA	ELEVON	AILRON
4.000	0.000	0.000
4.000	0.000	20.000
4.000	5.000	30.000

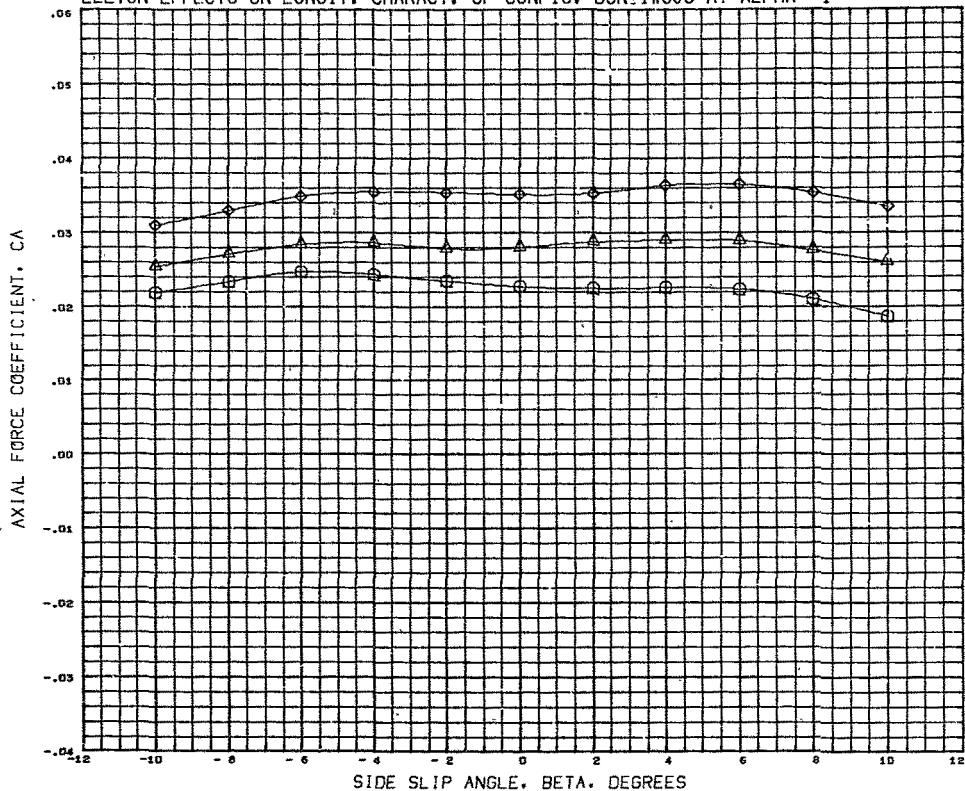
REFERENCE INFORMATION

SREF	9.0000	sq. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
ZMRP	0.5375	REFL
YMRP	0.0000	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH

0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =4



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BC2003) MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6
 (BC2009) MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6
 (BC2014) MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6

ALPHA	ELEVON	AILRON
4.000	0.000	0.000
4.000	0.000	20.000
4.000	0.000	30.000

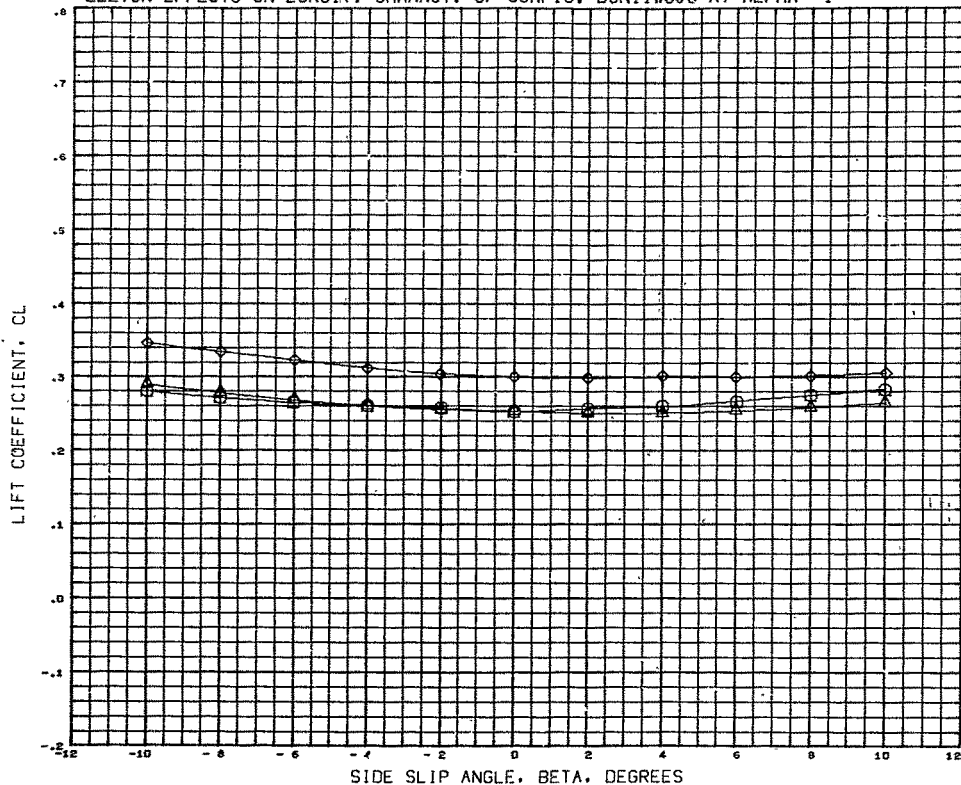
REFERENCE INFORMATION

SREF	9.0000	SQ. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
YWRP	0.3575	REFL
YMRP	0.0700	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH

0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =4



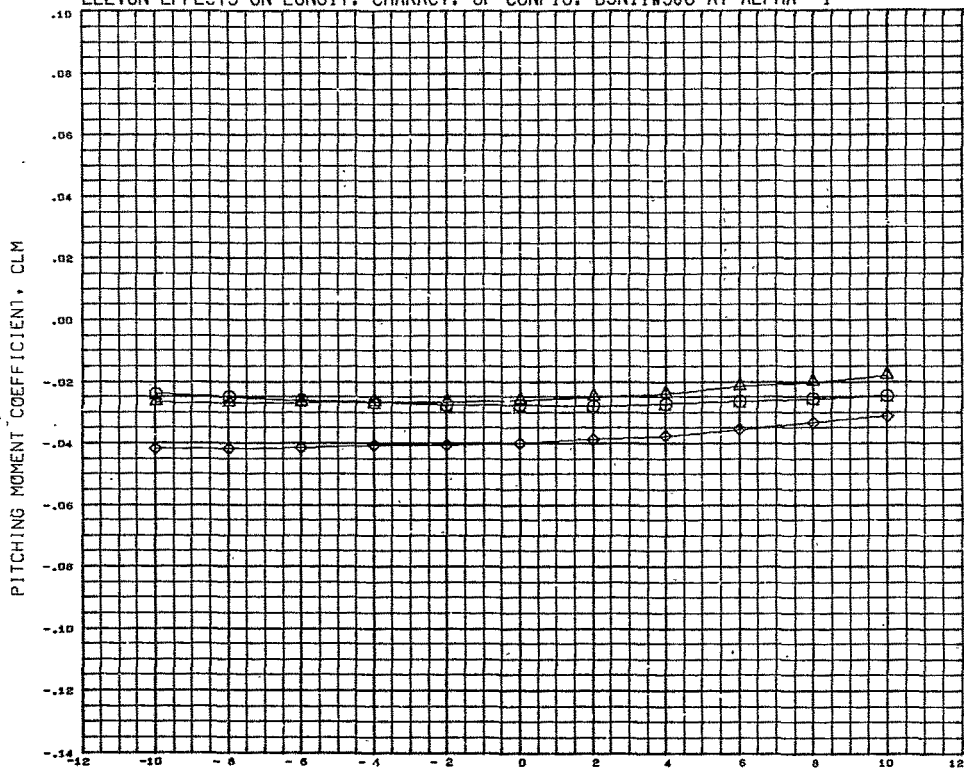
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ACZ003) $\diamond$ MCAIR LSMT 258 3.0PCT NDAC/NMC BOOST B3N11W5J6
 (ACZ009) $\square$ MCAIR LSMT 258 3.0PCT NDAC/NMC BOOST B3N11W5J6
 (ACZ014) $\triangle$ MCAIR LSMT 258 3.0PCT NDAC/NMC BOOST B3N11W5J6

ALPHA	ELEVON	AIRON
4.000	0.000	0.000
4.000	0.000	20.000
4.000	5.000	30.000

REFERENCE INFORMATION
 SREF 9.0000 SG. FT
 LREF 6.0000 FT.
 BREF 6.0000 FT.
 XMRP 0.6575 REFL
 YMRP 0.0000 FT.
 ZMRP 0.0100 REFL
 SCALE 0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =4



DATA KEY SYMBOL CONFIGURATION DESCRIPTION

(AC2003) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6
 (AC2009) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6
 (AC2014) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6

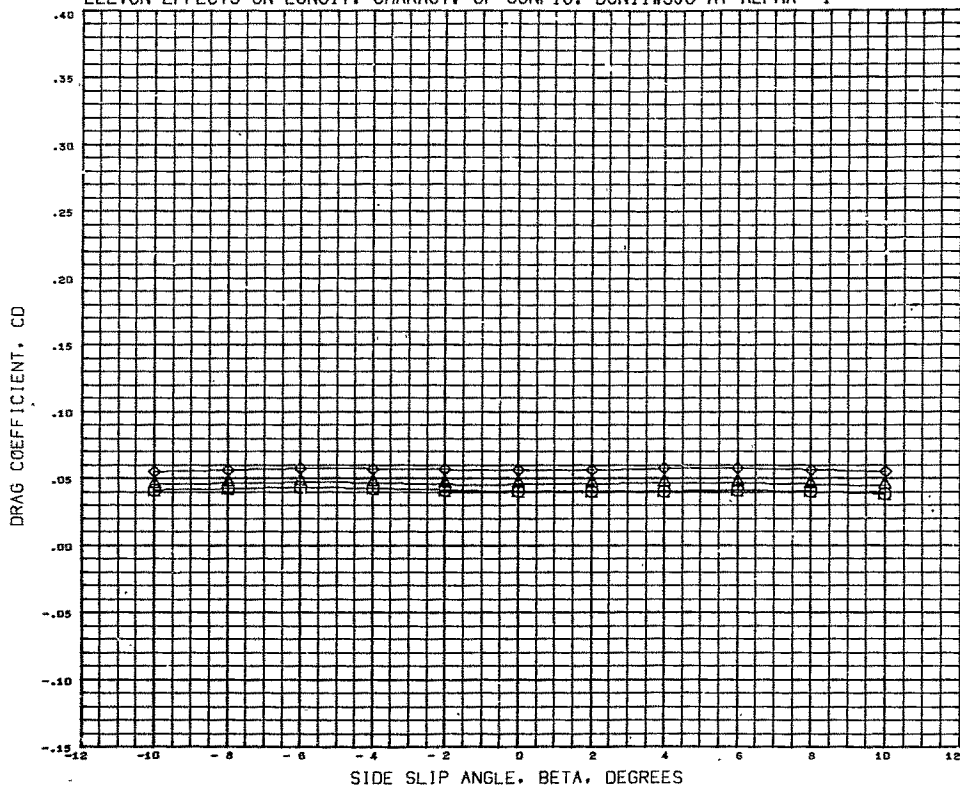
ALPHA	ELEVON	AILRON
4.000	0.000	0.000
4.000	0.000	20.000
4.000	5.000	30.000

REFERENCE INFORMATION

SREF	9.0000	SQ. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
XMRP	0.8575	REFL
YMRP	0.0000	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =4



DATA SET SYMBOL CONFIGURATION DESCRIPTION

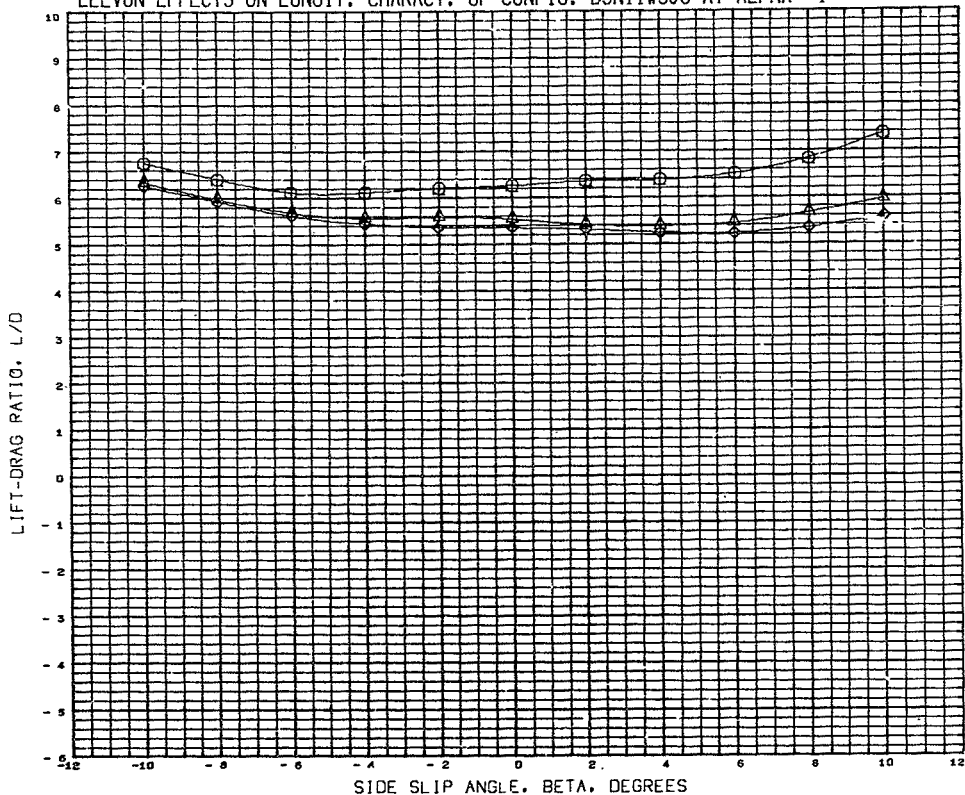
(AC2003) $\square$ MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6
 (AC2009) $\triangle$ MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6
 (AC2014) $\diamond$ MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6

ALPHA ELEVON AILRON
 4.000 0.000 0.000
 4.000 0.000 20.000
 4.000 5.000 30.000

REFERENCE INFORMATION
 SREF 9.0000 SQ. FT
 LREF 6.0000 FT.
 BREF 6.0000 FT.
 XMRP 0.8575 REFL
 YMRP 0.0300 FT.
 ZMRP 0.0100 REFL
 SCALE 0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =4



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AC2003) (AC2009) (AC2014) MCAIR LSMT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6
MCAIR LSMT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6
MCAIR LSMT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6

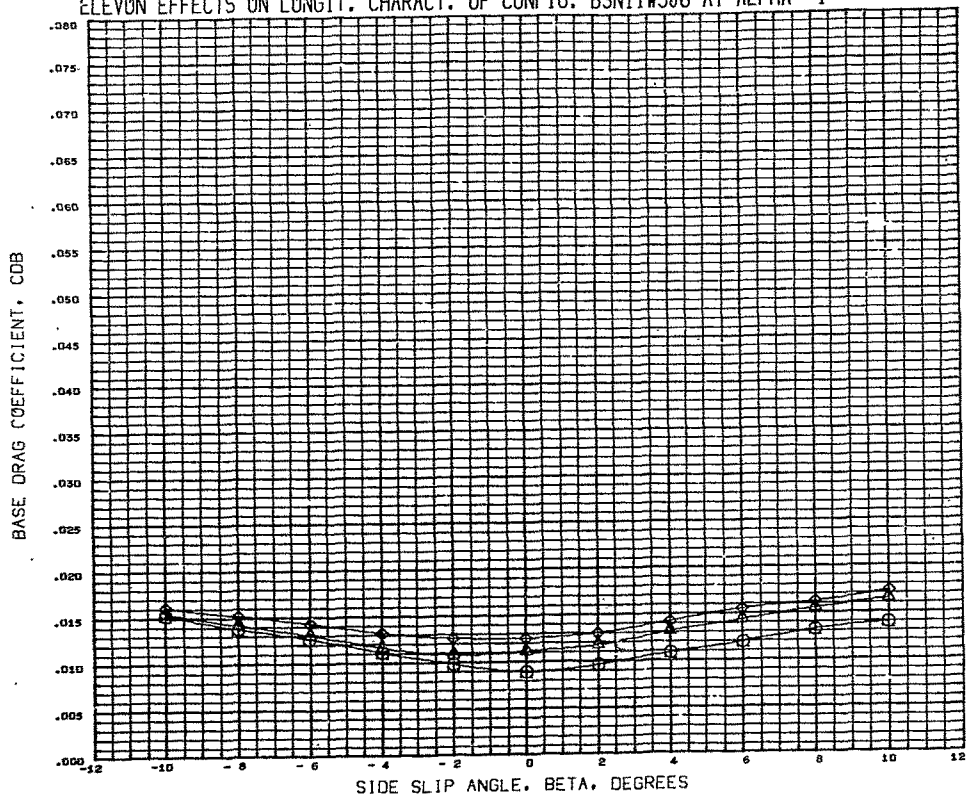
ALPHA	ELEVON	AILRON
4.000	0.000	0.000
4.000	0.000	20.000
4.000	5.000	30.000

REFERENCE INFORMATION

SREF	9.0000	SQ. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
ZMRP	0.0575	REFL
YMRP	0.0600	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =4



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (AC2003) ○ MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6
 (AC2009) △ MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6
 (AC2014) ◇ MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6

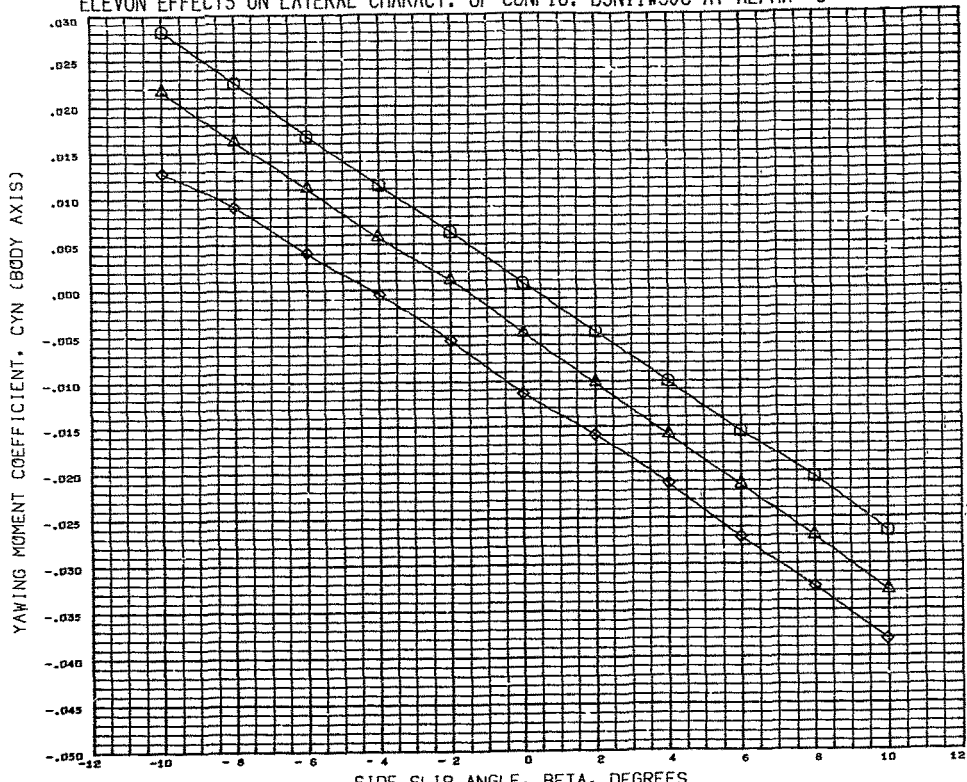
ALPHA	ELEVON	AILRON
4.000	0.000	0.000
4.000	0.000	20.000
4.000	5.000	30.000

REFERENCE INFORMATION

SREF	9.0000	SQ. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
XMRP	0.3573	REFL
YMRP	0.0000	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BCZ04) ○ MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6

(BCZ05) △ MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6

(BCZ06) ◇ MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6

ALPHA ELEVON AILRON

6.000 0.000 0.000

6.000 0.000 20.000

6.000 5.000 30.000

REFERENCE INFORMATION

SREF 9.0000 SQ. FT

LREF 6.0000 FT.

BREF 6.0000 FT.

YMRP 0.8575 REFL

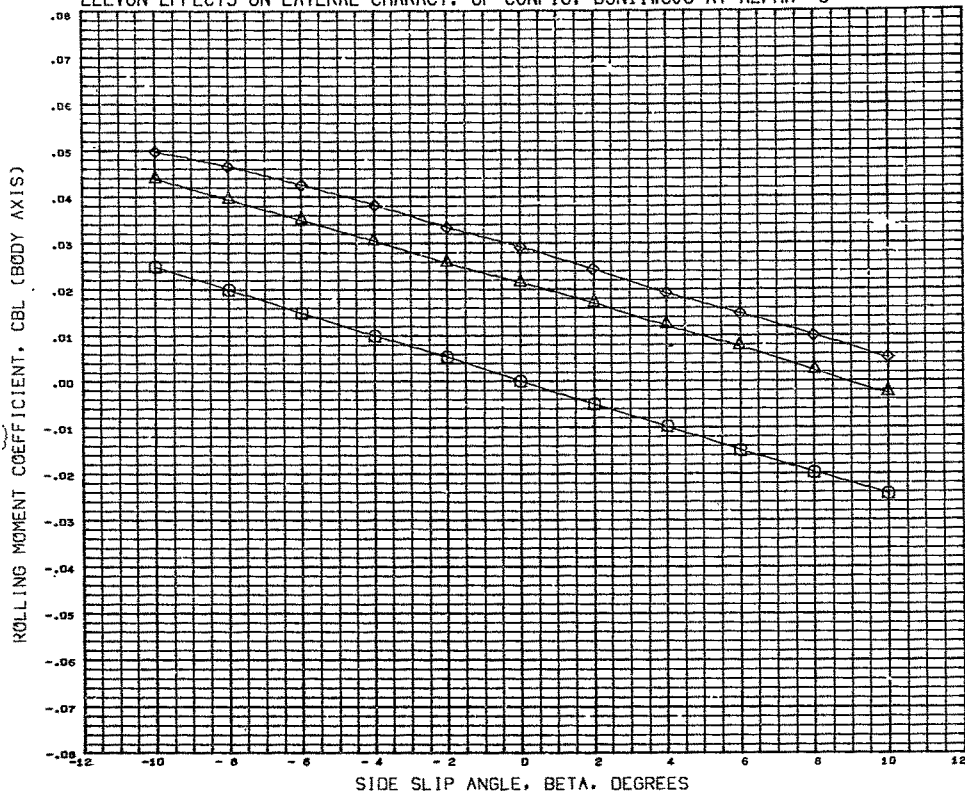
YMRP 0.0000 FT.

ZMRP 0.0100 REFL

SCALE 0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BCZ004) (BCZ010) (BCZ015)

MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6
MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6
MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6

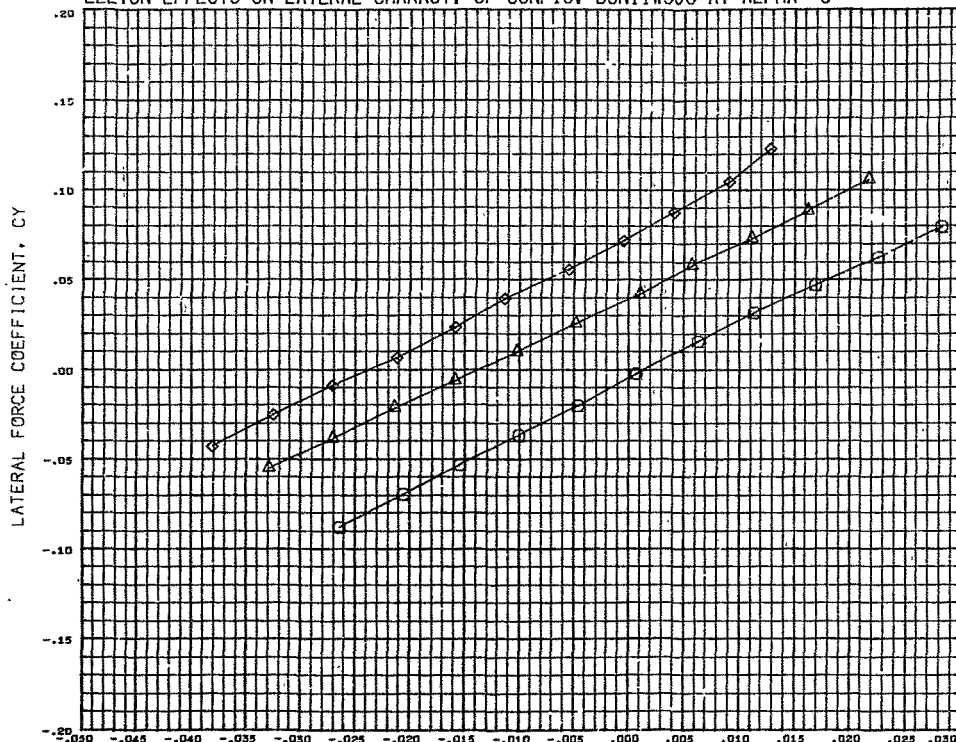
ALPHA ELEVON AILRON
6.000 0.000 0.000
6.000 0.000 20.000
6.000 5.000 30.000

REFERENCE INFORMATION

SREF 9.0000 SQ. FT
LREF 6.0000 FT.
BREF 6.0000 FT.
XMRP 0.3575 REFL
YMRP 0.0000 FT.
ZMRP 0.0100 REFL
SCALE 0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =6

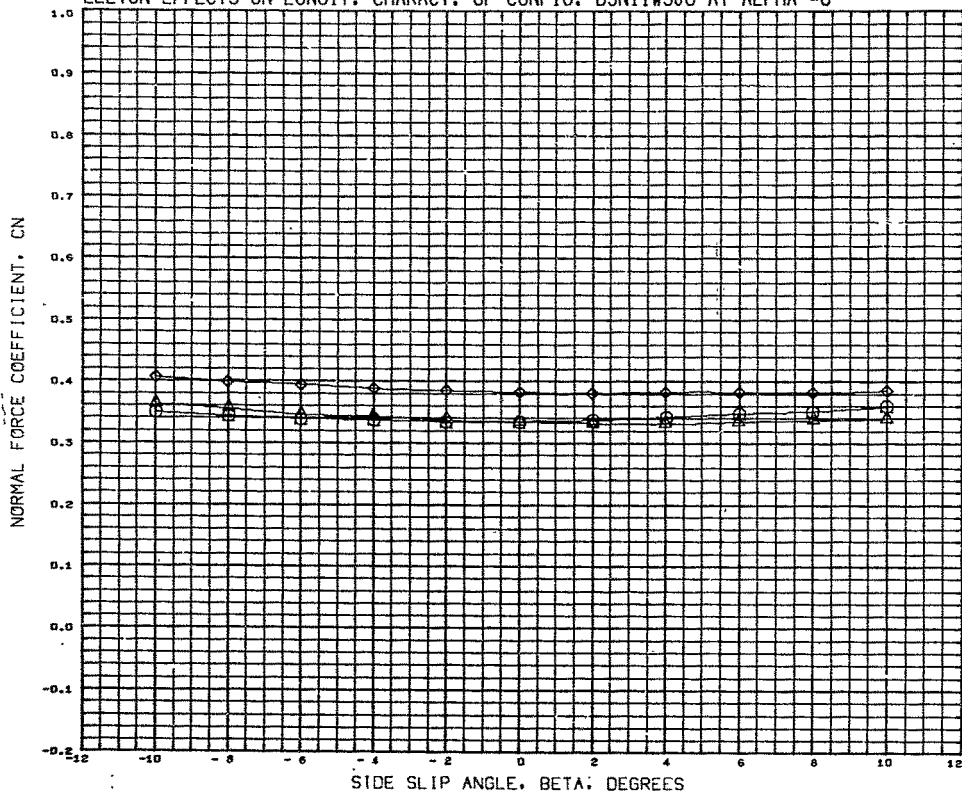


YAWING MOMENT COEFFICIENT; CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	REFERENCE INFORMATION	
(BC2004)	□ MCAIR LSWT 250 3.0PCT NDAC/HMC BOOST B3N11W5J6	6.000	0.000	0.000	SREF	9.0000 SQ. FT
(BC2010)	△ MCAIR LSWT 250 3.0PCT NDAC/HMC BOOST B3N11W5J6	6.000	0.000	20.000	LREF	6.0000 FT.
(BC2015)	◇ MCAIR LSWT 250 3.0PCT NDAC/HMC BOOST B3N11W5J6	6.000	0.000	30.000	BREF	6.0000 FT.
					XMRP	0.8575 REFL
					YMRP	0.0000 FT.
					ZMRP	0.0100 REFL
					SCALE	0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =6



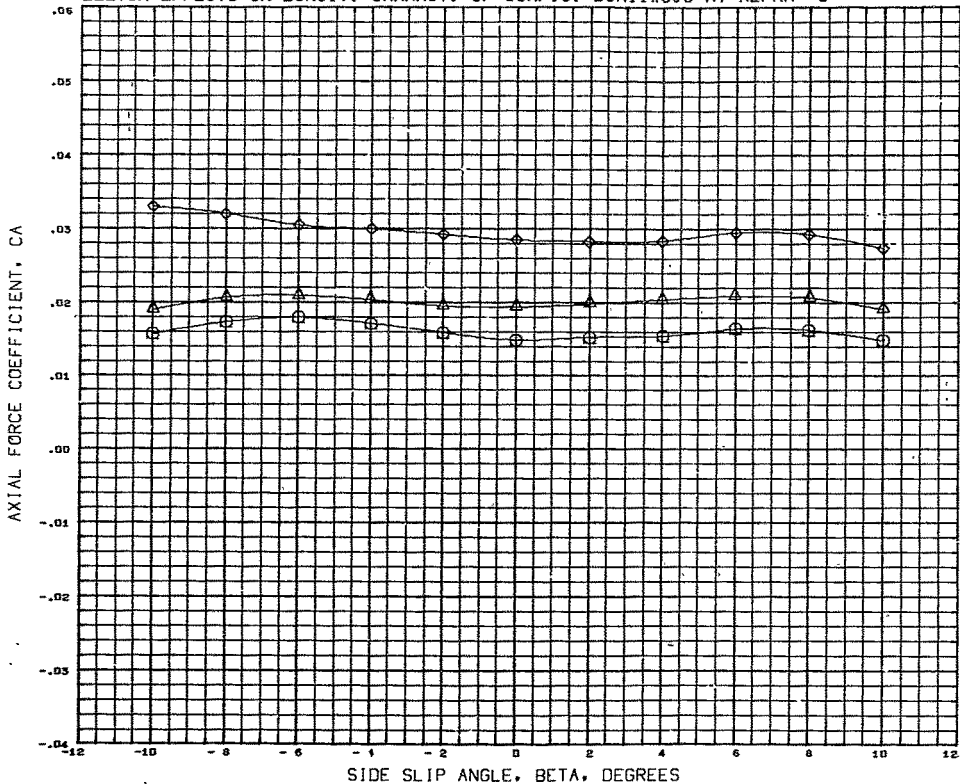
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BC2004)	MCAIR LSWT 250 3.0PCT NDAC/MNC BOOST B3N11W5J6
(BC2010)	MCAIR LSWT 250 3.0PCT NDAC/MNC BOOST B3N11W5J6
(BC2019)	MCAIR LSWT 250 3.0PCT PDAC/MNC BOOST B3N11W5J6

ALPHA	ELEVON	AILRON
6.000	0.000	0.000
6.000	0.000	20.000
6.000	5.000	30.000

REFERENCE INFORMATION	
SREF	9.0000 SQ. FT
LREF	6.0000 FT.
BREF	6.0000 FT.
XMRP	0.6375 REFL
YMRP	0.0000 FT.
ZMRP	0.0100 REFL
SCALE	0.0300 SCALE

MACH 0.250

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =6



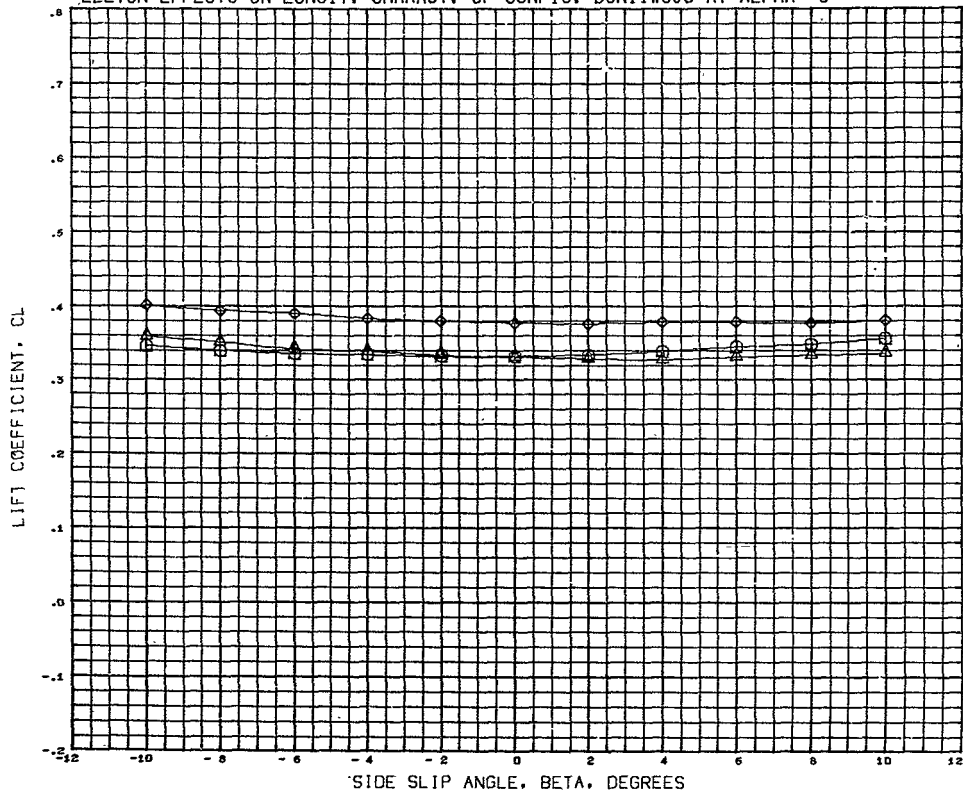
DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(BCZ004)	MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6
(BCZ010)	MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6
(BCZ015)	MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6

ALPHA	ELEVON	AILRON
6.000	0.000	0.000
6.000	0.000	20.000
6.000	5.000	30.000

REFERENCE INFORMATION	
SREF	9.0000 SQ. FT
LREF	6.0000 FT.
OREF	6.0000 FT.
XMRP	0.6575 REFL
YMRP	0.0000 FT.
ZMRP	0.0100 REFL
SCALE	0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

LAC2004) MCAIR LSMT 250 3.0PCT MDAC/HMC BOOST B3N11W5J6
 LAC2010) MCAIR LSMT 250 3.0PCT MDAC/HMC BOOST B3N11W5J6
 LAC2015) MCAIR LSMT 250 3.0PCT MDAC/HMC BOOST B3N11W5J6

ALPHA ELEVON AILRON

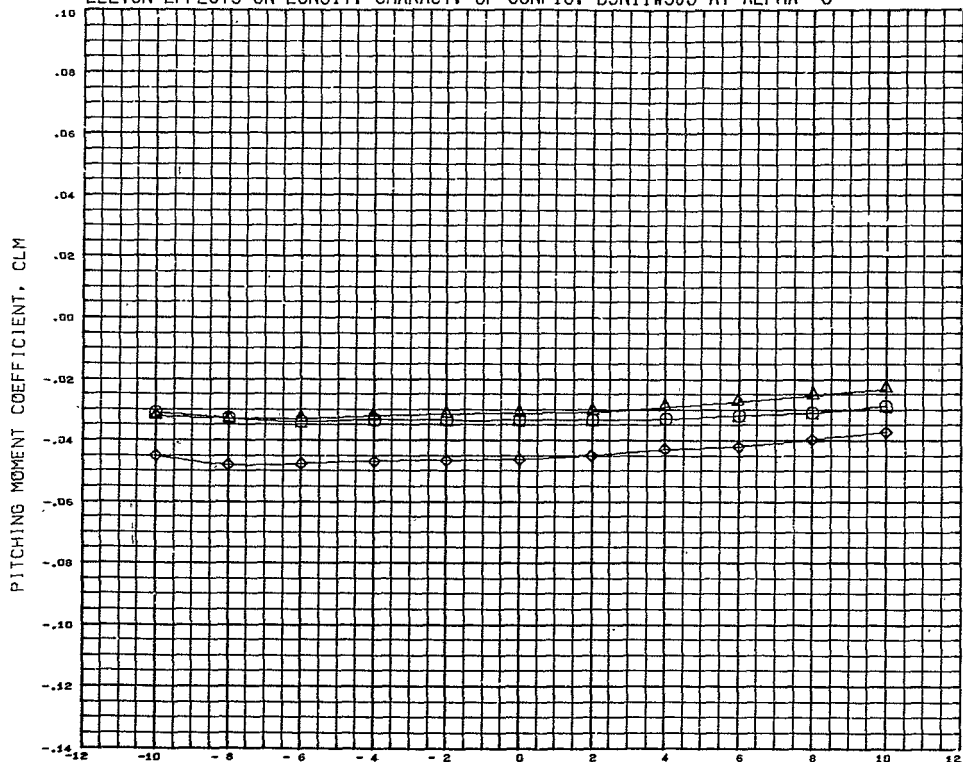
6.000 0.000 0.000
 6.000 0.000 20.000
 6.000 5.000 30.000

REFERENCE INFORMATION

SREF 9.0000 SQ. FT
 LREF 6.0000 FT.
 BREF 6.0000 FT.
 XMRP 0.6575 REFL
 YMRP 0.0000 FT.
 ZMRP 0.0100 REFL
 SCALE 0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ004) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6

(ACZ010) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6

(ACZ015) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6

ALPHA	ELEVON	AILRON
6.000	0.000	0.000
6.000	0.000	20.000
6.000	5.000	30.000

REFERENCE INFORMATION

SREF	9.0000	SQ. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
XHRP	0.8515	REFL
YHRP	0.0000	FT.
ZHRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ004) MCAIR LSMT 258 3.0PC/ NDAC/MHC BOOST B3N11W5J6
 (ACZ010) MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6
 (ACZ015) MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6

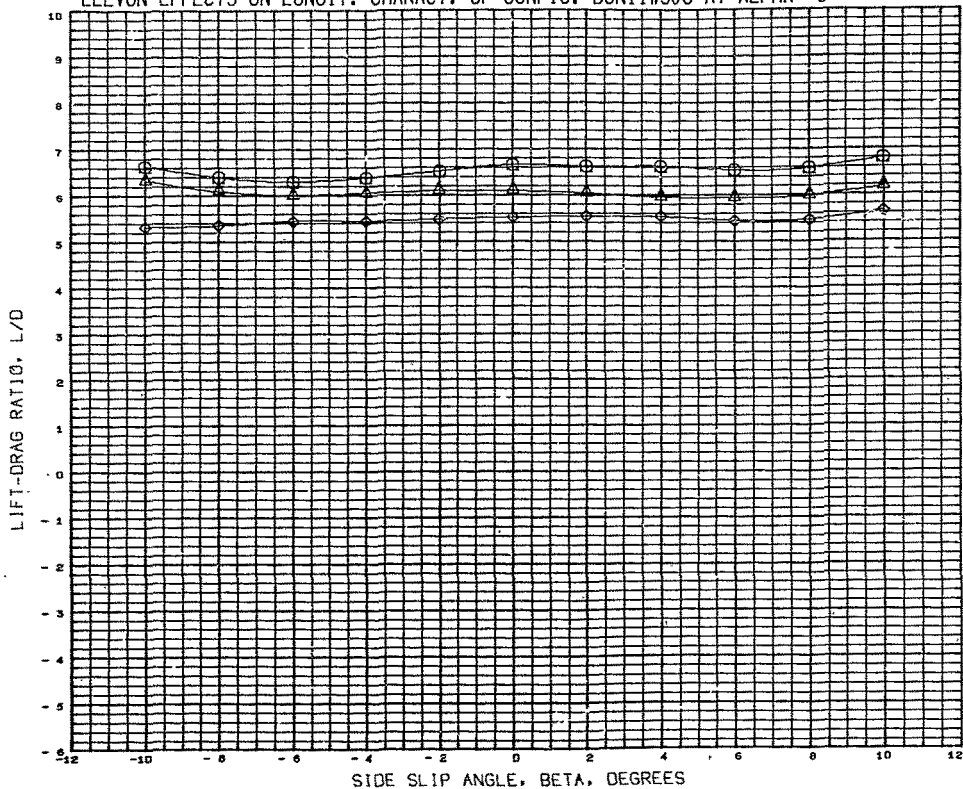
ALPHA	ELEVON	AILRON
6.000	0.000	0.000
6.000	0.000	20.000
6.000	5.000	30.000

REFERENCE INFORMATION

SREF	9.0000	SQ. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
XWRP	0.9579	REFL
YWRP	0.0300	FT.
ZWRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.260

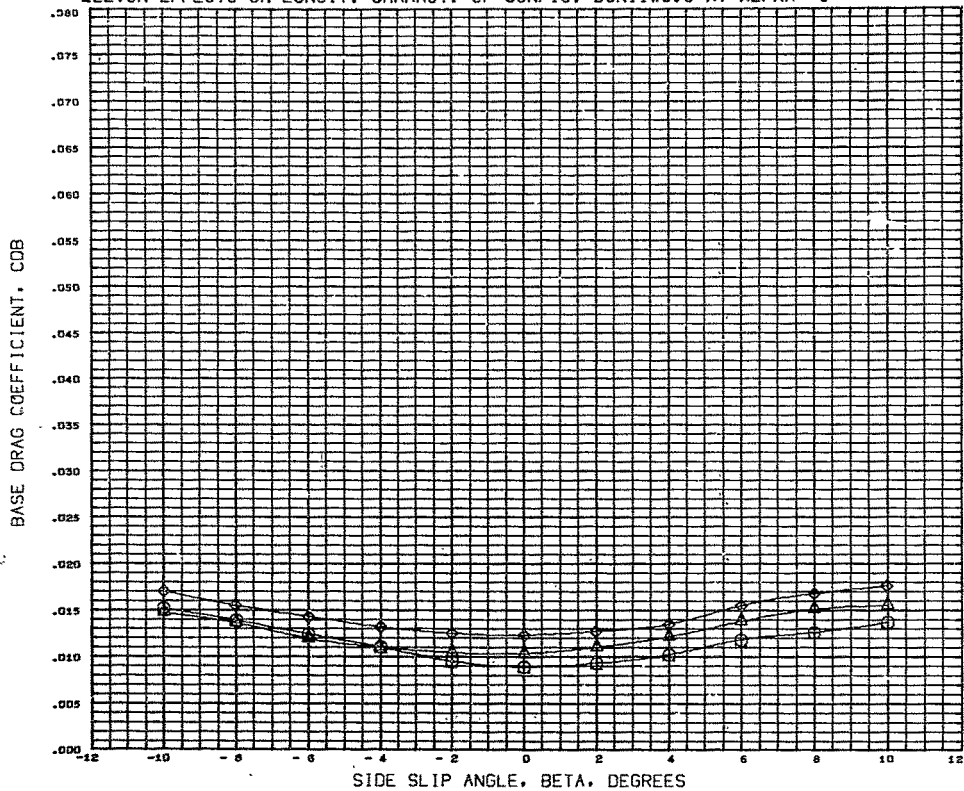
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	REFERENCE INFORMATION	
(AC2004)	MCALR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6	6.000	0.000	0.000	SREF	9.0000 30. FY
(AC2010)	MCALR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6	6.000	0.000	20.000	LREF	6.0000 FT.
(AC2015)	MCALR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6	6.000	5.000	30.000	BREF	6.0000 FT.
					XMRP	0.6375 REFL
					YMRP	0.0000 FT.
					ZMRP	0.0100 REFL
					SCALE	0.0300 SCALE

MACH 0.250

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =6



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ004) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6
 (ACZ010) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6
 (ACZ015) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6

ALPHA ELEVON AILRON

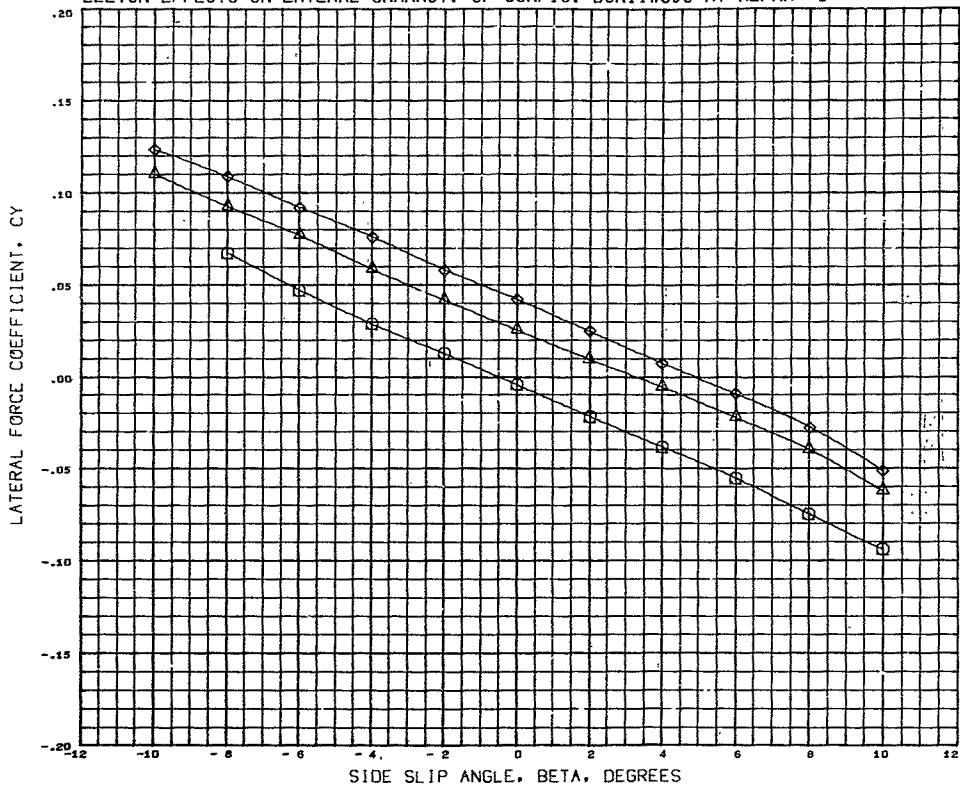
6.000 0.000 0.000
 6.000 0.000 20.000
 6.000 5.000 30.000

REFERENCE INFORMATION

SREF 9.0000 SQ. FT
 LREF 6.0000 FT.
 BREF 6.0000 FT.
 XMRP 0.3575 REFL
 YMRP 0.0000 FT.
 ZMRP 0.0100 REFL
 SCALE 0.0300 SCALE

MACH 0.260

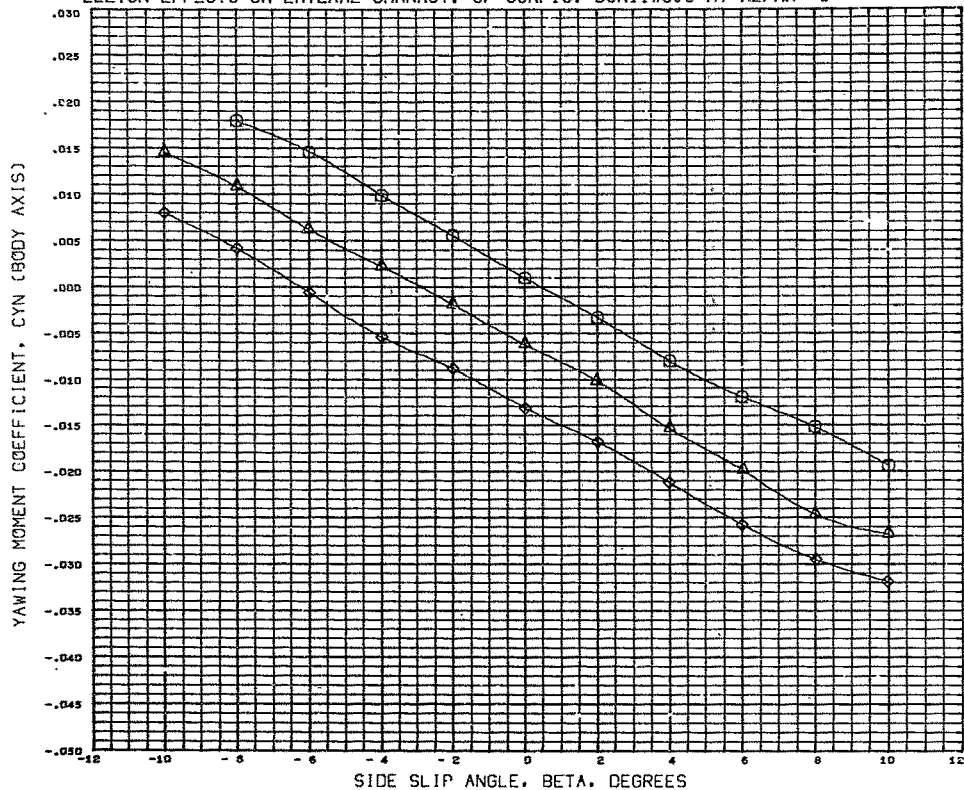
ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =8



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	REFERENCE INFORMATION
(BCZ005)	□ KCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6	8.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ011)	△ KCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6	8.000	0.000	20.000	REF 6.0000 FT.
(BCZ016)	◇ KCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6	8.000	5.000	30.000	BREF 6.0000 FT.
					XMRP 0.0573 REFL
					YMRP 0.0000 FT.
					ZMRP 0.0100 REFL
					SCALE 0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =8



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BCZ005) $\triangle$ MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6
 (BCZ011) $\triangle$ MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6
 (BCZ016) $\diamond$ MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6

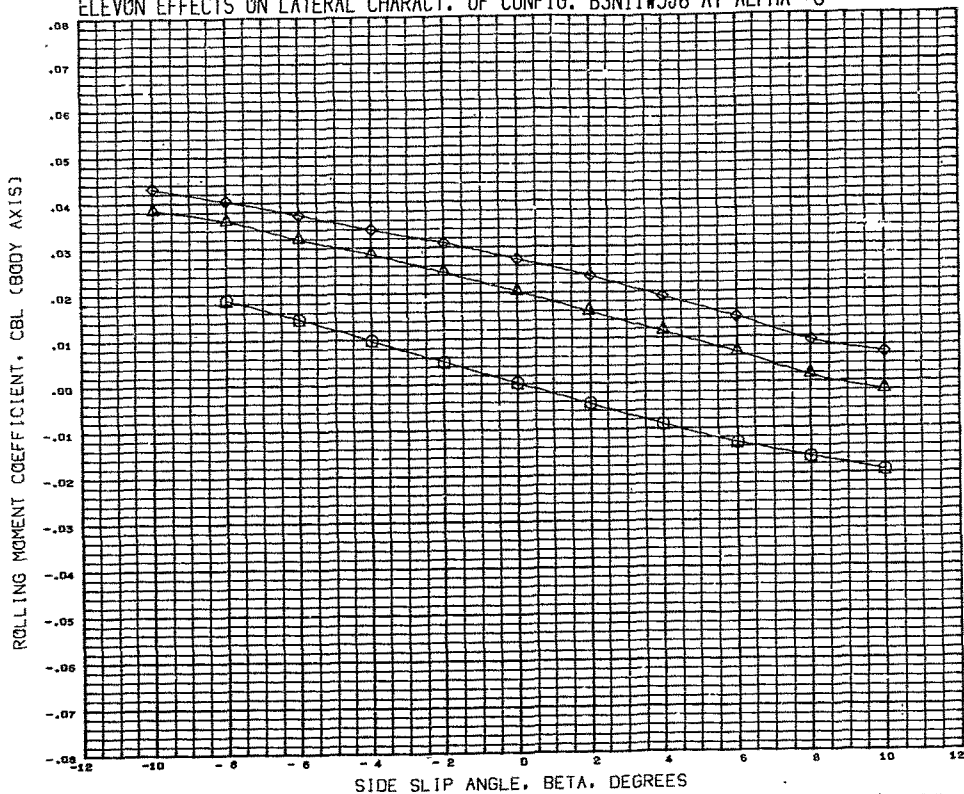
ALPHA	ELEVON	AILRON
8.000	0.000	0.000
8.000	0.000	20.000
8.000	5.000	30.000

REFERENCE INFORMATION

SREF	9.0000	SQ. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
XMRP	0.854	REFL
YMRP	0.0000	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.200

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =8



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BC2005) MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6

(BC2011) MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6

(BC2016) MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6

ALPHA	ELEVON	AILRON
8.000	0.000	0.000
8.000	0.000	20.000
8.000	5.000	30.000

REFERENCE INFORMATION

SREF 9.0000 SQ. FT

LSREF 6.0000 FT.

BREF 6.0000 FT.

XKRP 0.957 REFL

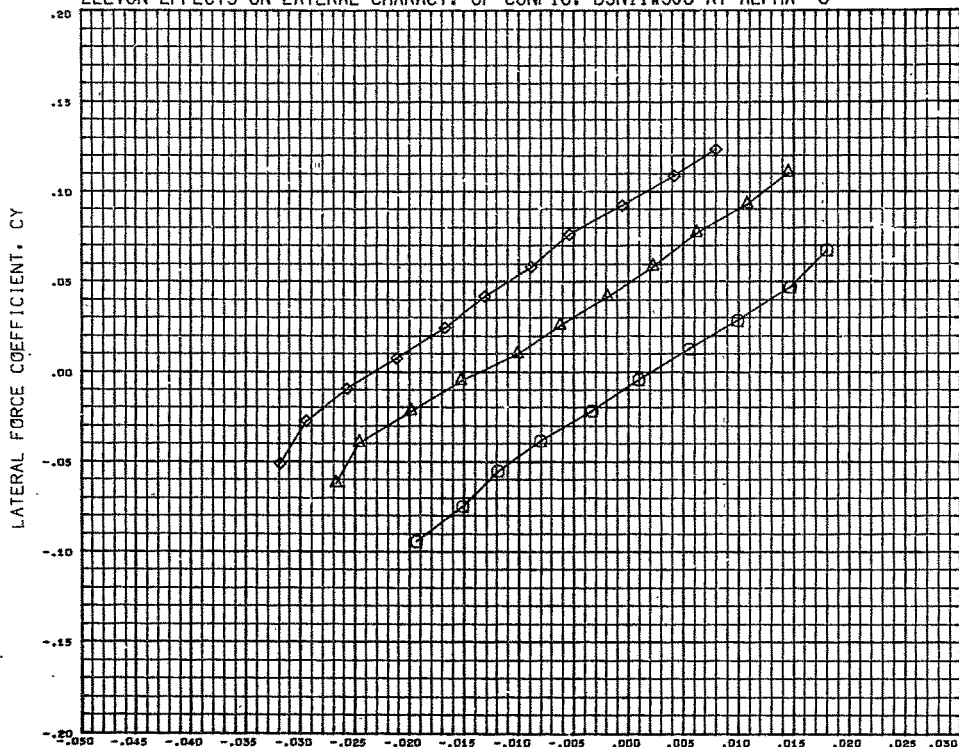
YKRP 0.0000 FT.

ZKRP 0.0100 REFL

SCALE 0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =8

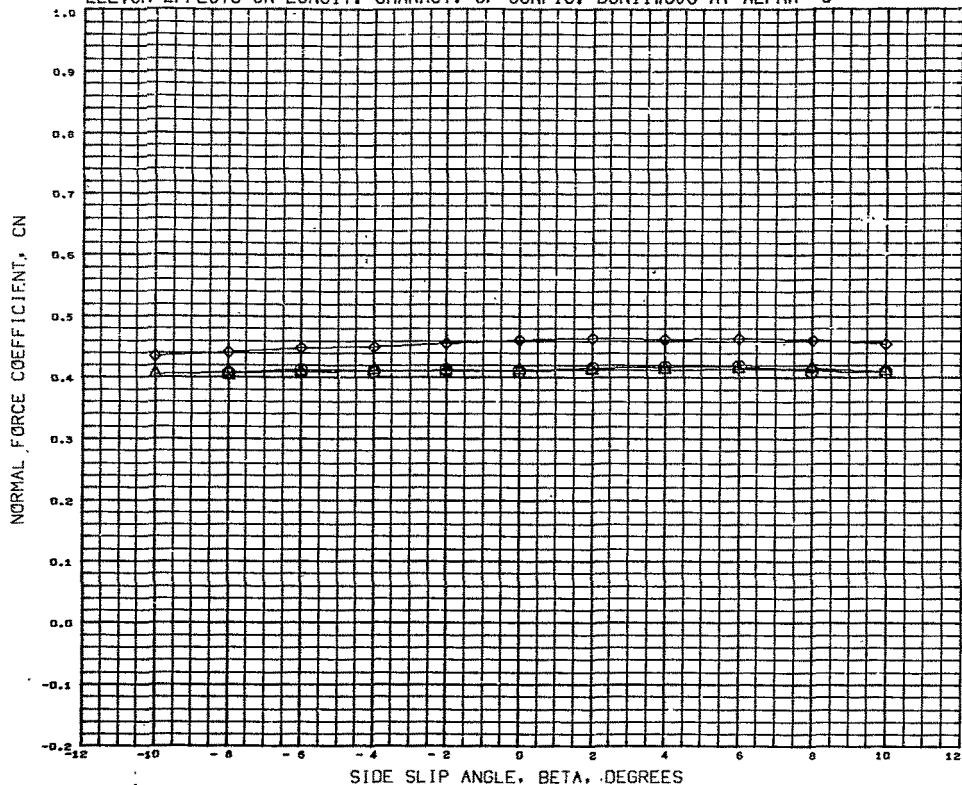


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	REFERENCE INFORMATION
(8C2009)	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6	8.000	0.000	0.000	SREF 9.0000 SQ. FT
(8C2011)	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6	8.000	0.000	20.000	LREF 6.0000 FT.
(8C2016)	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6	8.000	5.000	30.000	BREF 6.0000 FT.
					XNRP 0.8572 REFL
					YNRP 0.0000 FT.
					ZNRP 0.0100 REFL
					SCALE 0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =8



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BCZ005) MCAIR LSWT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6
 (BCZ011) MCAIR LSWT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6
 (BCZ016) MCAIR LSWT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6

ALPHA	ELEVON	AILRON
8.000	0.000	0.000
8.000	0.000	20.000
8.000	5.000	30.000

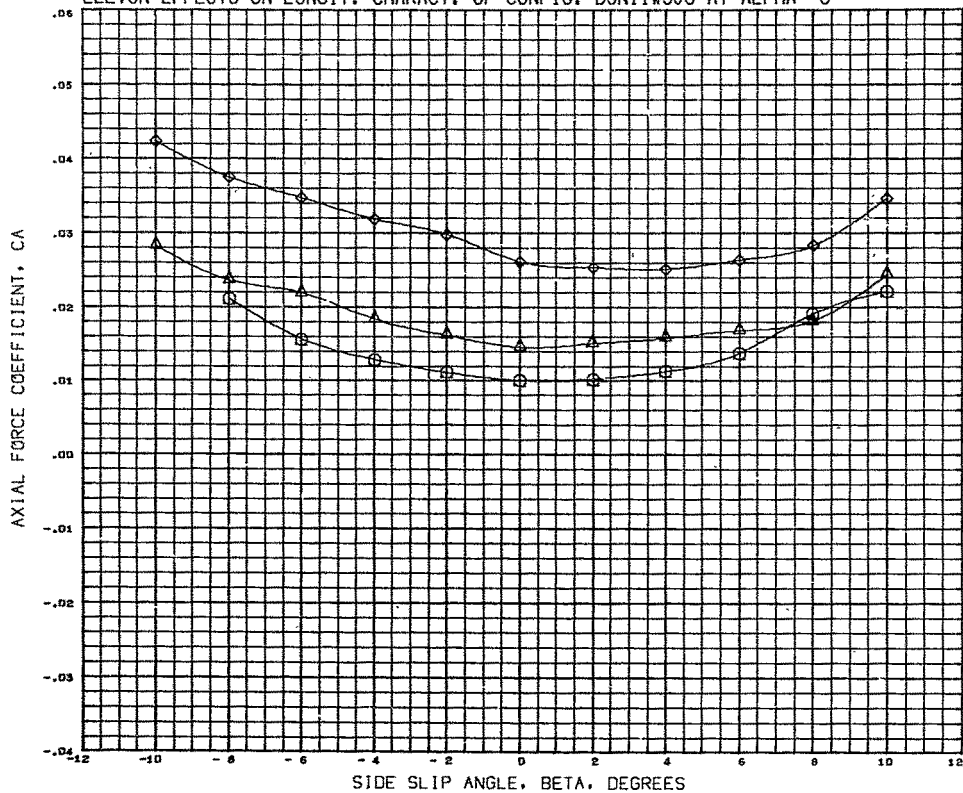
REFERENCE INFORMATION

SREF	9.0000	SG. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
XMRP	0.0575	REFL
YMRP	0.0000	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH

0.260

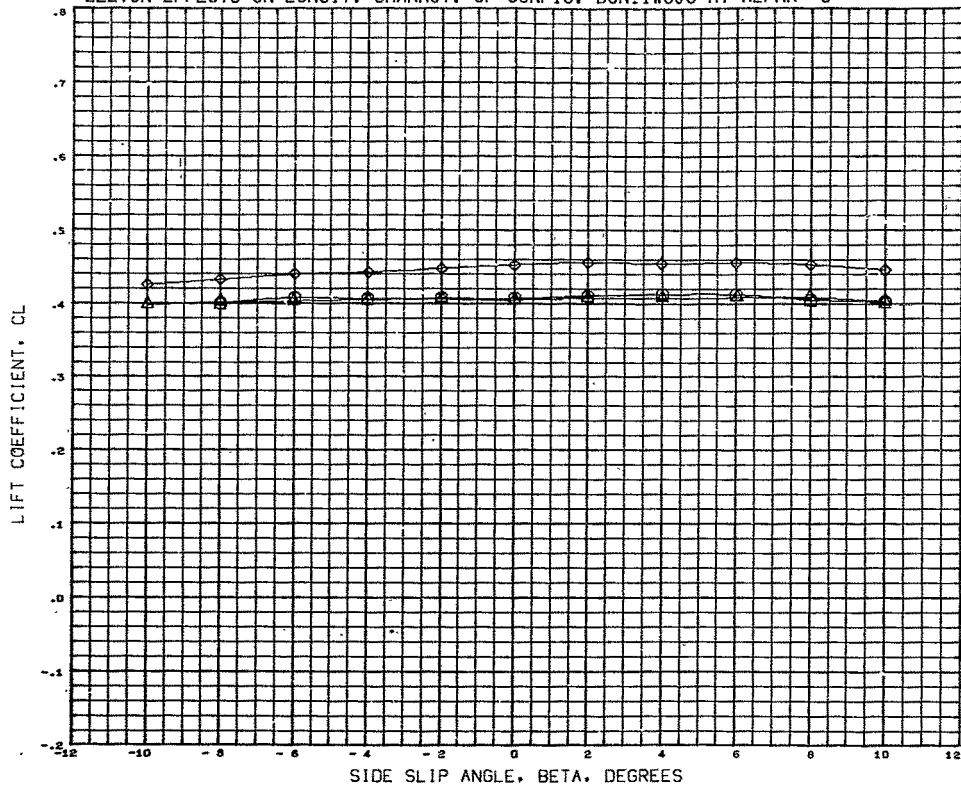
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =8



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	REFERENCE INFORMATION	
(BCZ005)	MCAR LSWT 256 3.0PCT MDAC/MNC BOOST B3N11W5J6	8.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZ011)	MCAR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6	8.000	0.000	20.000	LREF	6.0000 FT.
(BCZ016)	MCAR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6	8.000	5.000	30.000	BREF	6.0000 FT.
					XMRP	0.8575 REFL
					YMRP	0.0000 FT.
					ZMRP	0.0100 REFL
					SCALE	0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =8



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ005) ○ NCAIR LSW/ 250 3.0PCT NDAC/MNC BOOST B3N11W5J6
 (ACZ013) △ NCAIR LSW/ 250 3.0PCT NDAC/MNC BOOST B3N11W5J6
 (ACZ016) ◇ NCAIR LSW/ 250 3.0PCT NDAC/MNC BOOST B3N11W5J6

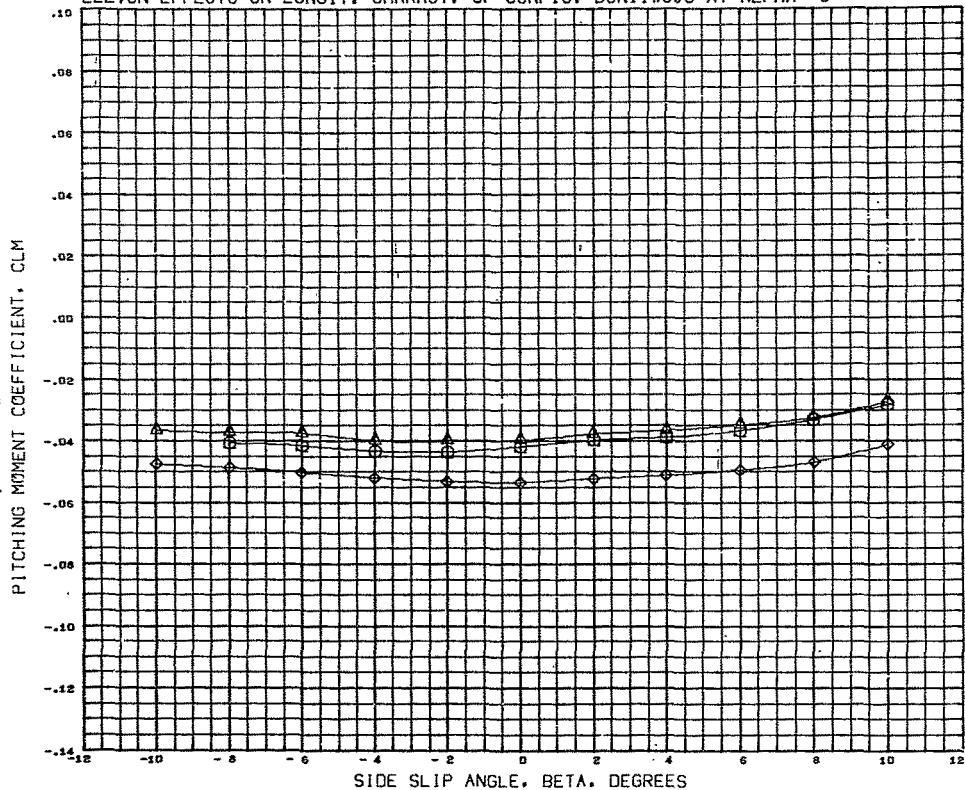
ALPHA ELEVON AILRON
 8.000 5.000 5.000
 8.000 0.000 20.000
 8.000 5.000 30.000

REFERENCE INFORMATION

SREF 9.0000 SQ. FT
 LREF 6.0000 FT.
 BREF 6.0000 FT.
 XKRP 0.3979 REFL
 YMRP 0.0000 FT.
 ZMRP 0.0100 REFL
 SCALE 0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =8



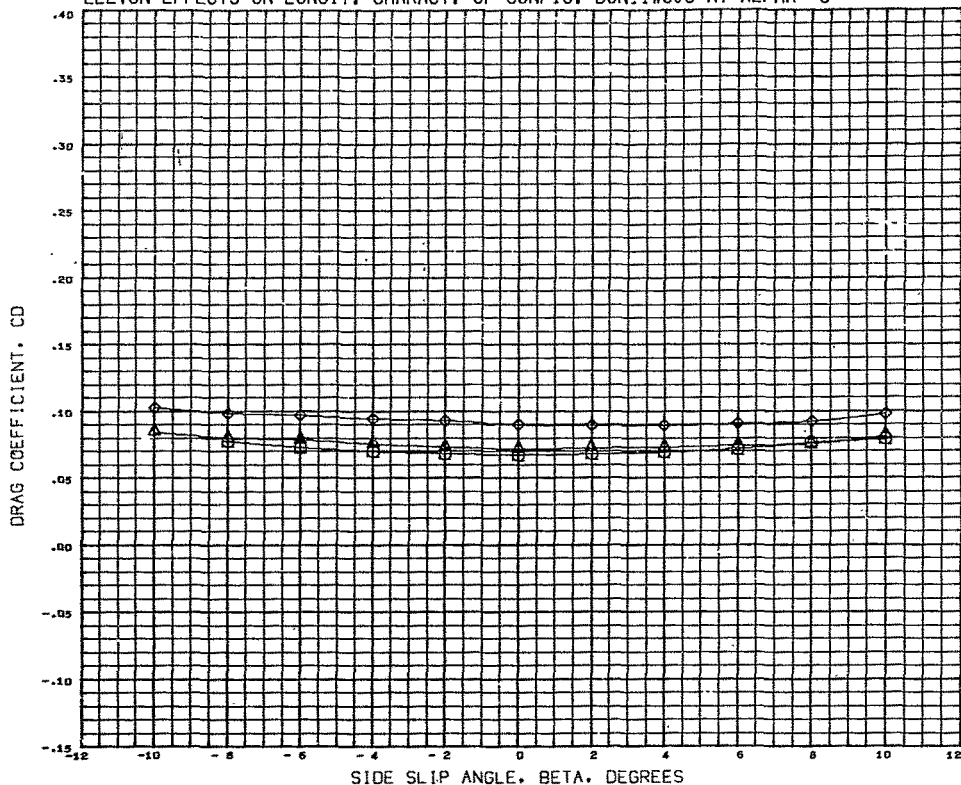
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ACZ005) MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6
 (ACZ011) MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6
 (ACZ016) MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6

ALPHA ELEVON AILRON
 8.000 3.000 0.000
 8.000 0.000 20.000
 8.000 5.000 30.000

REFERENCE INFORMATION
 SREF 9.0000 SQ. FT
 LREF 6.0000 FT.
 BREF 6.0000 FT.
 ZMRP 0.4575 REFL
 YMRP 0.0000 FT.
 ZMRP 0.0100 REFL
 SCALE 0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =8



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ005) Q MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6
 (ACZ011) Δ MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6
 (ACZ018) ◇ MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6

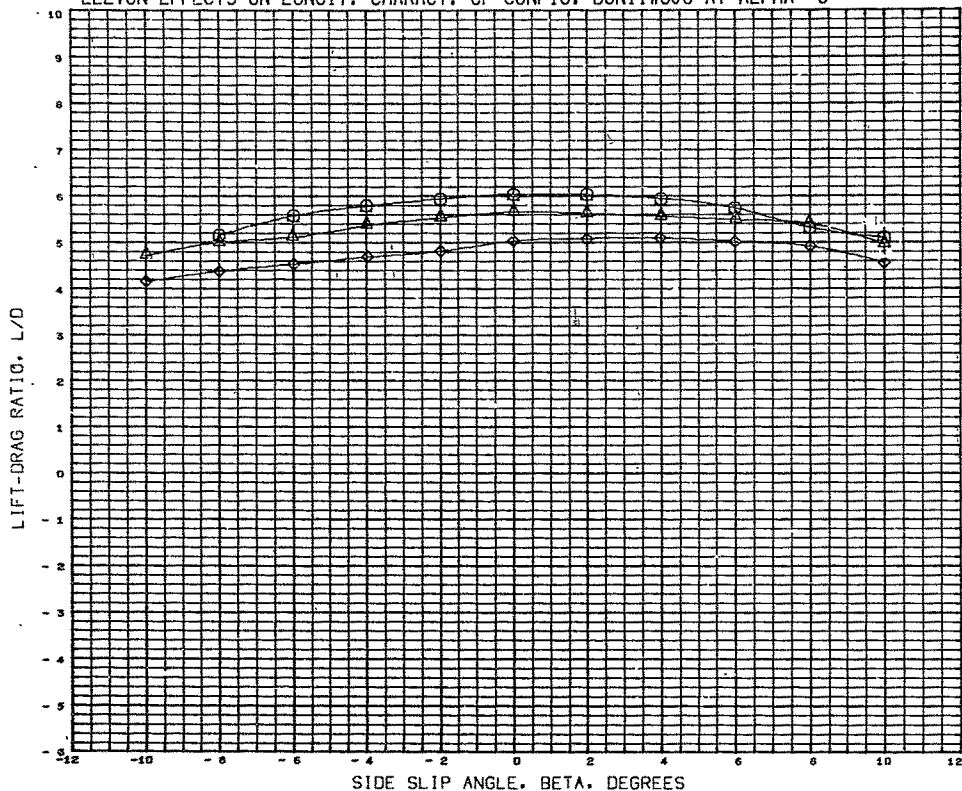
ALPHA	ELEVON	AILRON
8.000	0.000	0.000
8.000	0.000	20.000
8.000	2.000	30.000

REFERENCE INFORMATION

SREF	9.0000	SQ. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
XMRP	0.8575	REFL
YMRP	0.0700	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.263

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =8



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ005) MCAIR LSWT 258 3.0PLT MDAC/MHC BOOST B3N11W5J6
 (ACZ011) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6
 (ACZ016) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6

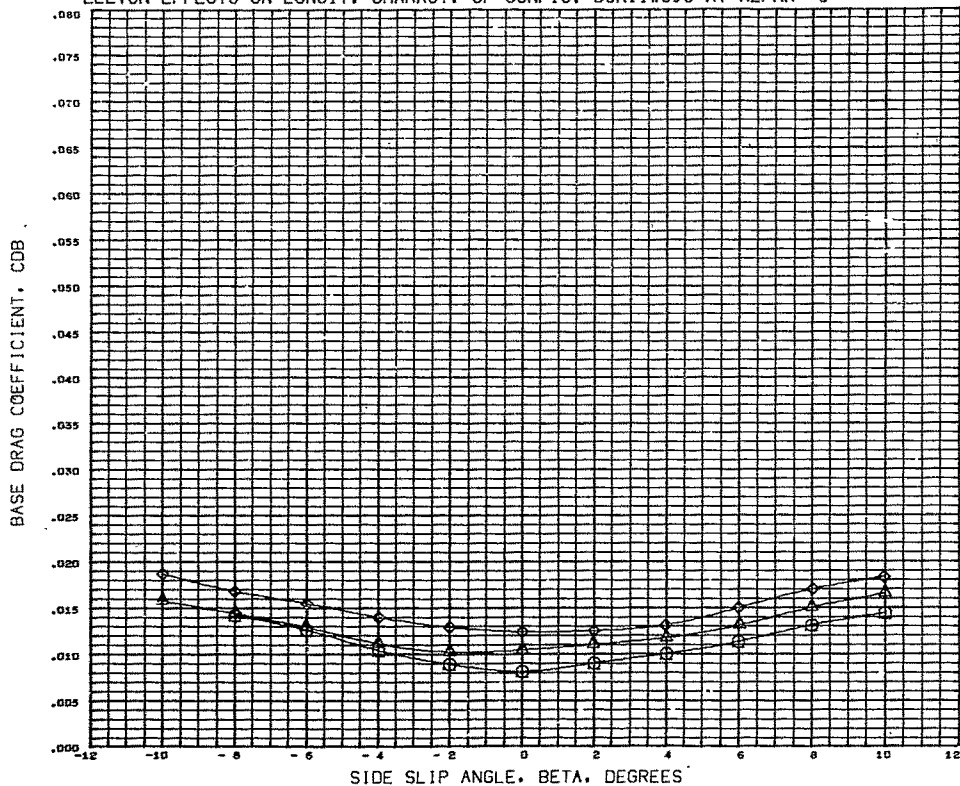
ALPHA	ELEVON	AILRON
8.000	0.000	0.000
8.000	0.000	20.000
8.000	5.000	30.000

REFERENCE INFORMATION

SREF	9.0000	SQ. FT
LREF	6.0000	FT.
BREF	6.000	FT.
XMRP	0.85:5	REFL
YMRP	0.0000	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6 AT ALPHA =8



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ2005) (O) MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6
 (ACZ011) (Δ) MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6
 (ACZ016) (◇) MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6

ALPHA ELEVON AILRON

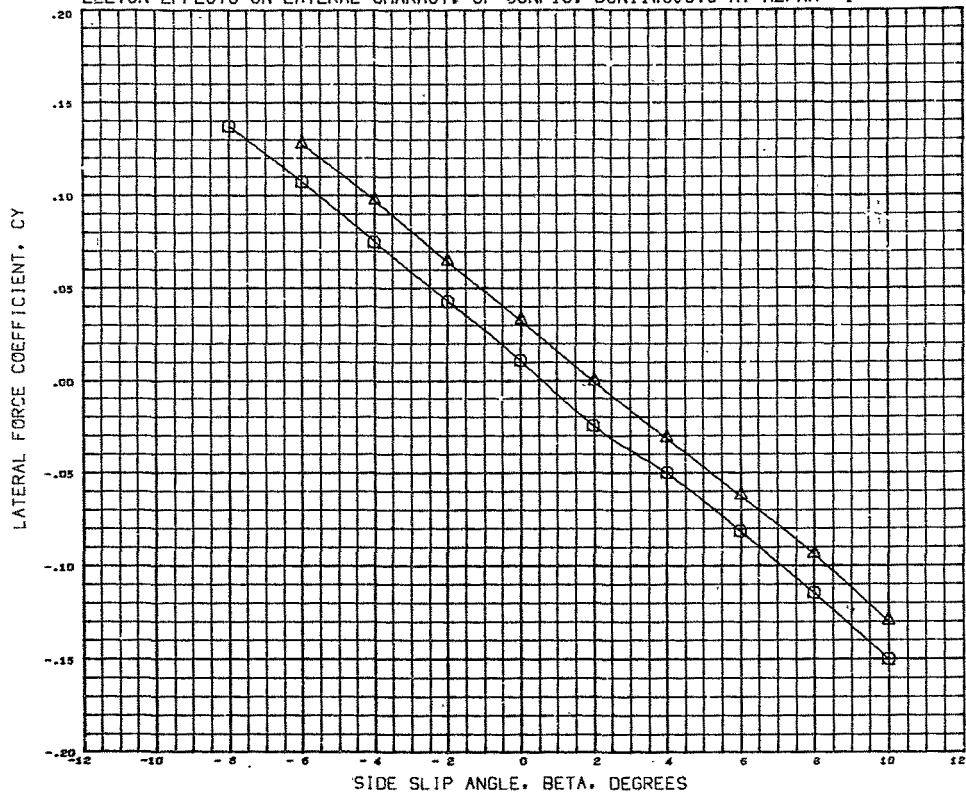
8.000 0.000 0.000
 8.000 0.000 20.000
 8.000 5.000 30.000

REFERENCE INFORMATION

SREF 9.0000 SQ. FT
 LREF 6.0000 FT.
 BREF 6.0000 FT.
 XMRP 0.3575 REFL
 YMRP 0.0300 FT.
 ZMRP 0.0100 REFL
 SCALE 0.0300 SCALE

MACH 0.260

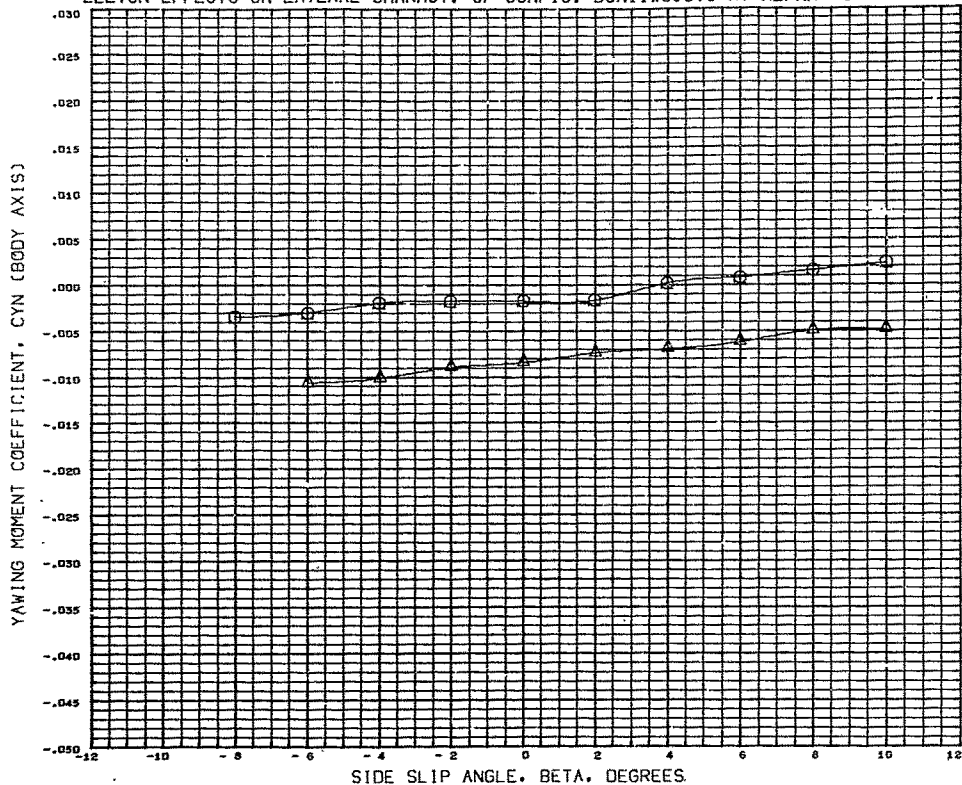
ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION		
(BC2021)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	0.000	SREF	9.0000	32. FT
(BC2027)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	20.000	0.000	LREF	6.0000	FT.
						BREF	6.0000	FT.
						XMRF	0.8575	REFL
						YMRF	0.0000	FT.
						ZMRF	0.0100	REFL
						SCALE	0.0300	SCALE

MACH 0.260

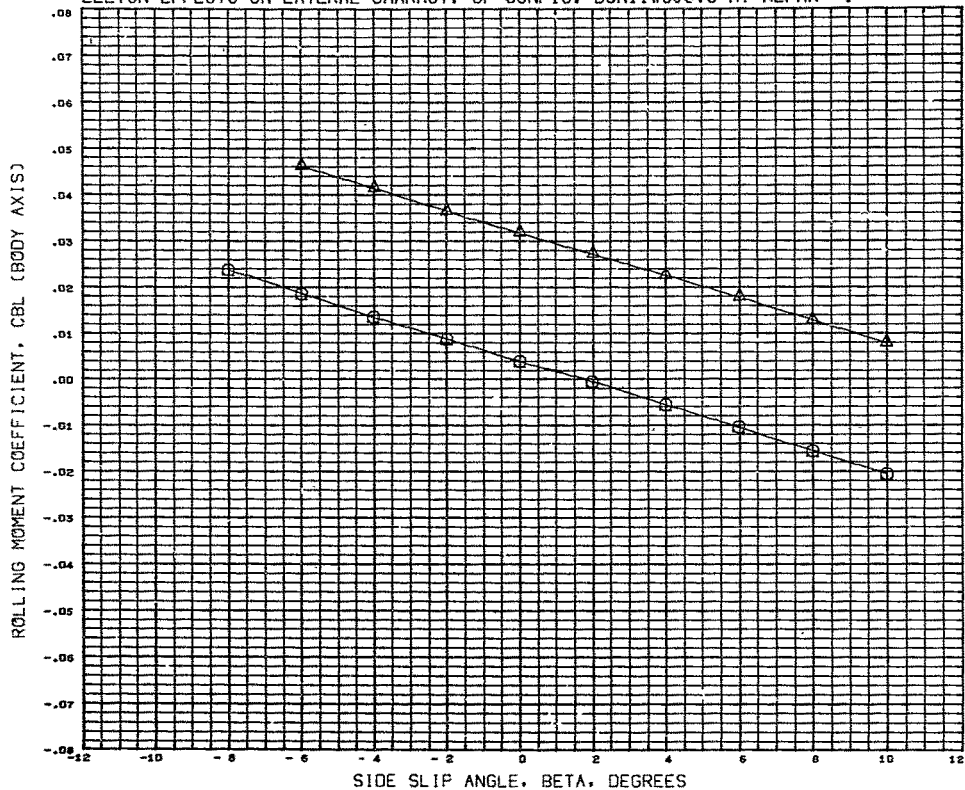
ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ021)	NCAIR LSMT 256 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZ027)	NCAIR LSMT 256 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	20.000	0.000	LREF	6.0000 FT.
						SREF	6.0000 FT.
						XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.280

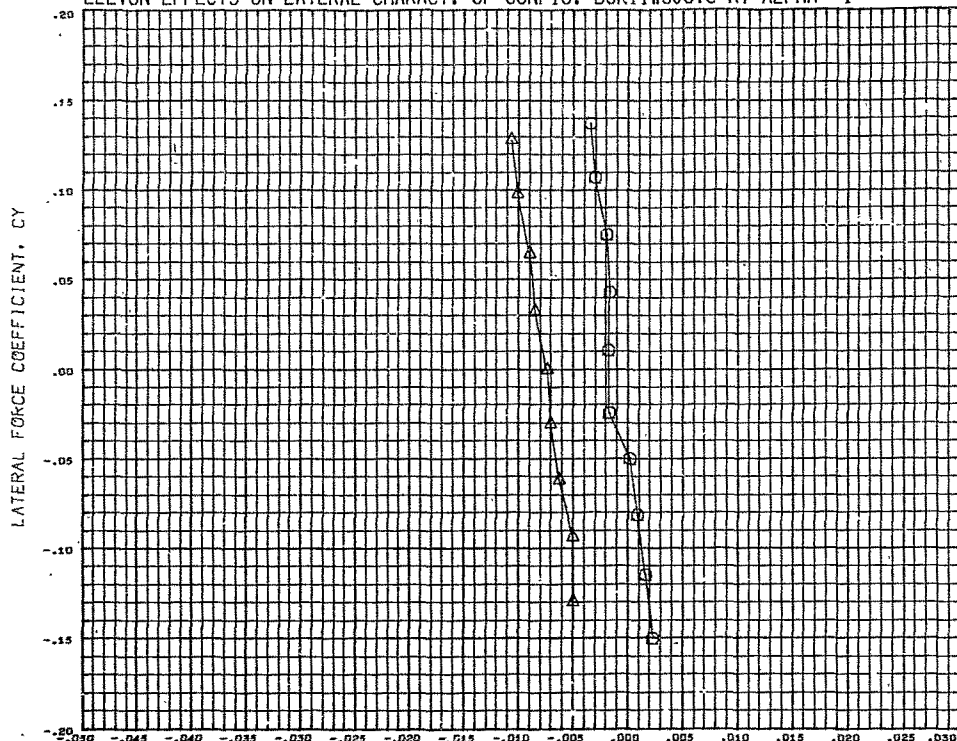
ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ021)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	-4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZ027)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	-4.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	6.0000 FT.
						YNRP	0.6375 REFL
						YNRP	0.6000 FT.
						ZNRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4

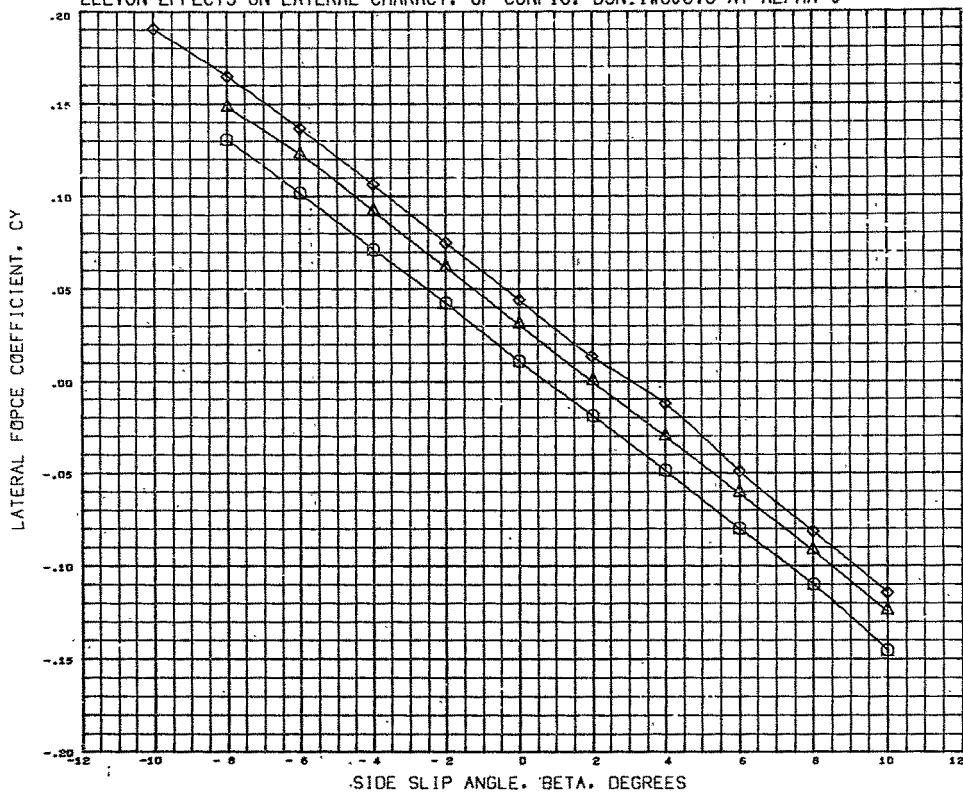


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ021)	MCATR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZ027)	MCATR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	6.0000 FT.
						LWRP	0.8575 REFL
						YWRP	0.0000 FT.
						ZWRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.250

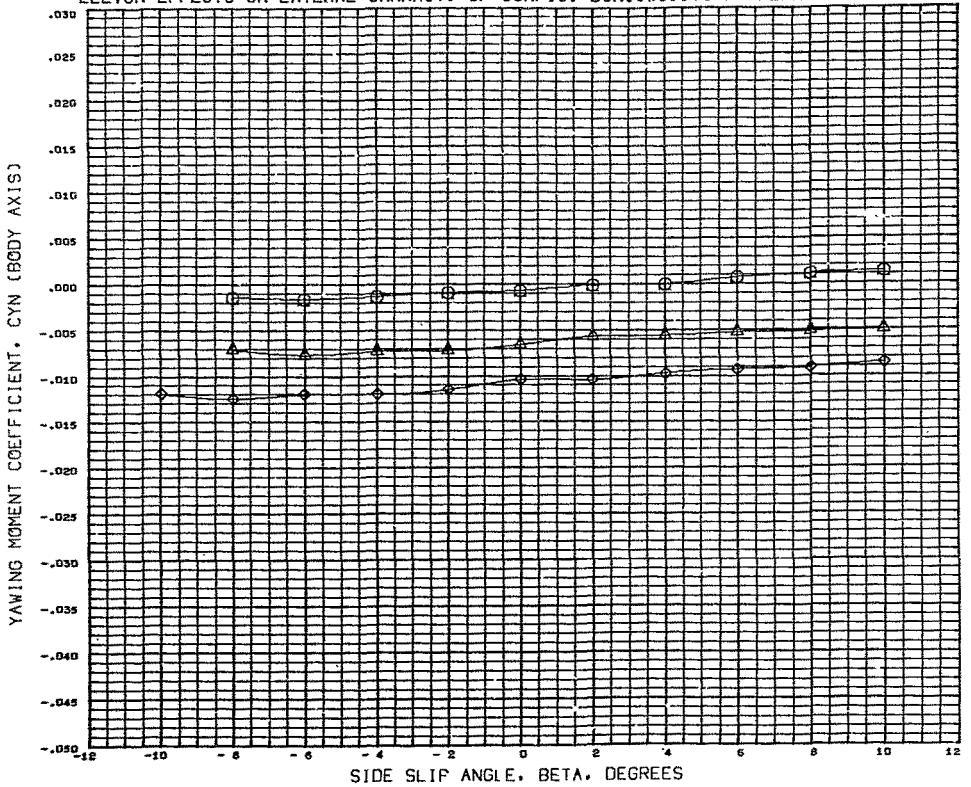
ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(B3CZ022)	MCAR LSWT 258 3.0PCT MDAC/NHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	SREF	3.0000 SQ. FT
(B3CZ028)	MCAR LSWT 258 3.0PCT MDAC/NHC BOOST B3N11W5J6V9	0.000	0.000	20.000	0.000	LREF	6.0000 FT.
(B3CZ034)	MCAR LSWT 258 3.0PCT MDAC/NHC BOOST B3N11W5J6V9	0.000	5.000	30.000	0.000	BREF	6.0000 FT.
						XIRP	0.8575 REF.
						YMRP	0.0300 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

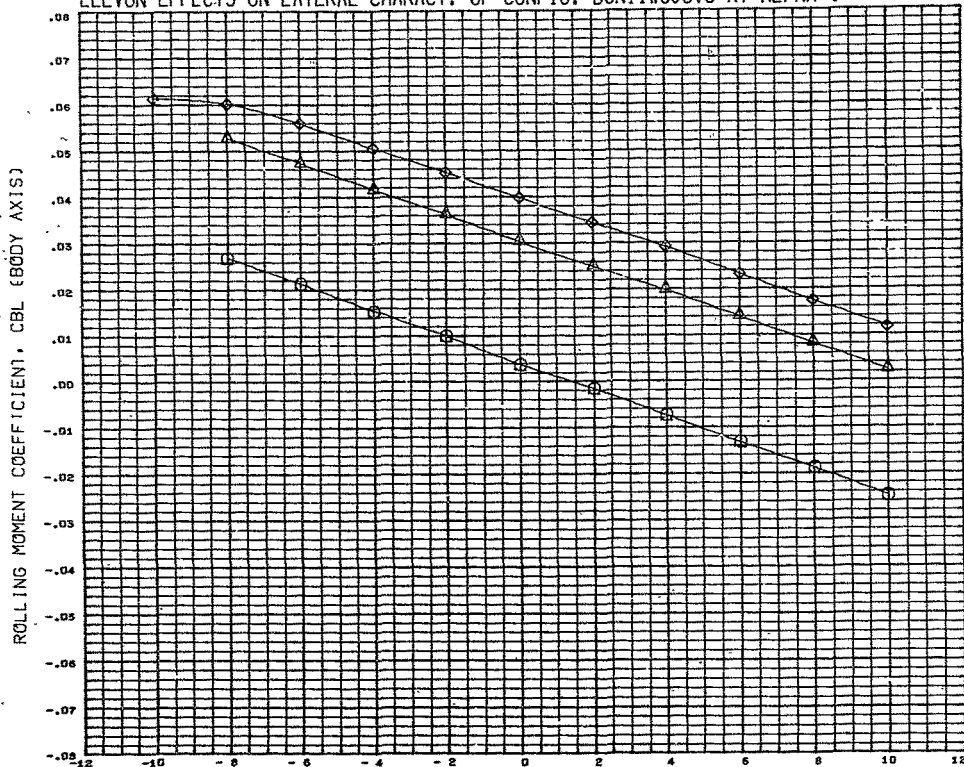
ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BC2022)	MCAIR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BC2028)	MCAIR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	20.000	0.000	LREF	6.0000 FT.
(BC2034)	MCAIR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	5.000	30.000	0.000	BREF	6.0000 FT.
						XMRP	0.8575 REFL
						YMRP	0.6000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

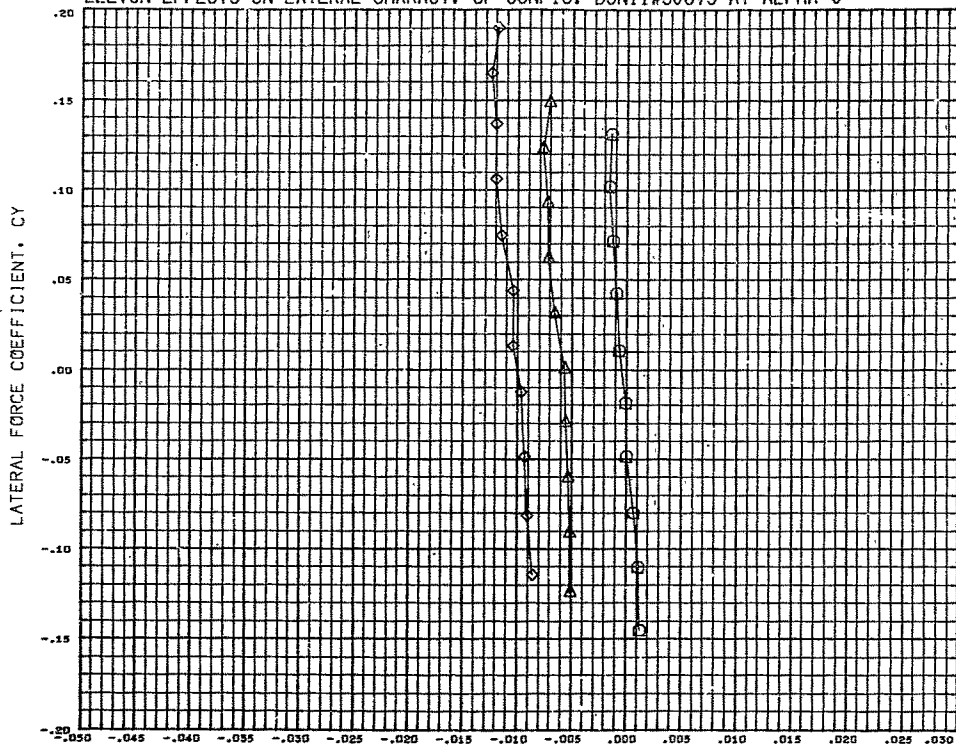
ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ022)	MCAIR LSW3 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	SREF	5.0000 SQ. FT
(BCZ028)	MCAIR LSW3 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	0.000	0.000	20.000	0.000	LREF	6.0000 FT.
(BCZ034)	MCAIR LSW3 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	0.000	5.000	30.000	0.000	SREF	6.0000 FT.
						YWRP	0.5875 REFL
						YWRP	0.0000 FT.
						ZWRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0

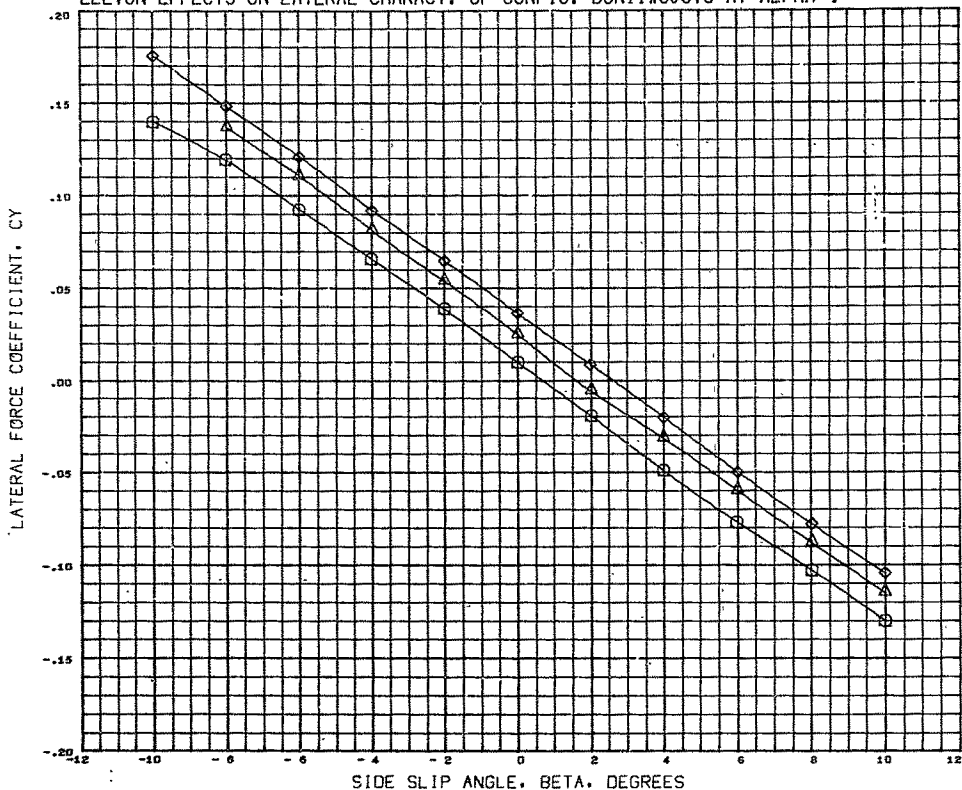


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZD22)	HCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZD28)	HCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	20.000	0.000	LEF	6.0000 FT.
(BCZD34)	HCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	5.000	30.000	0.000	BREF	6.0000 FT.
						XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0390 SCALE

MACH 0.250

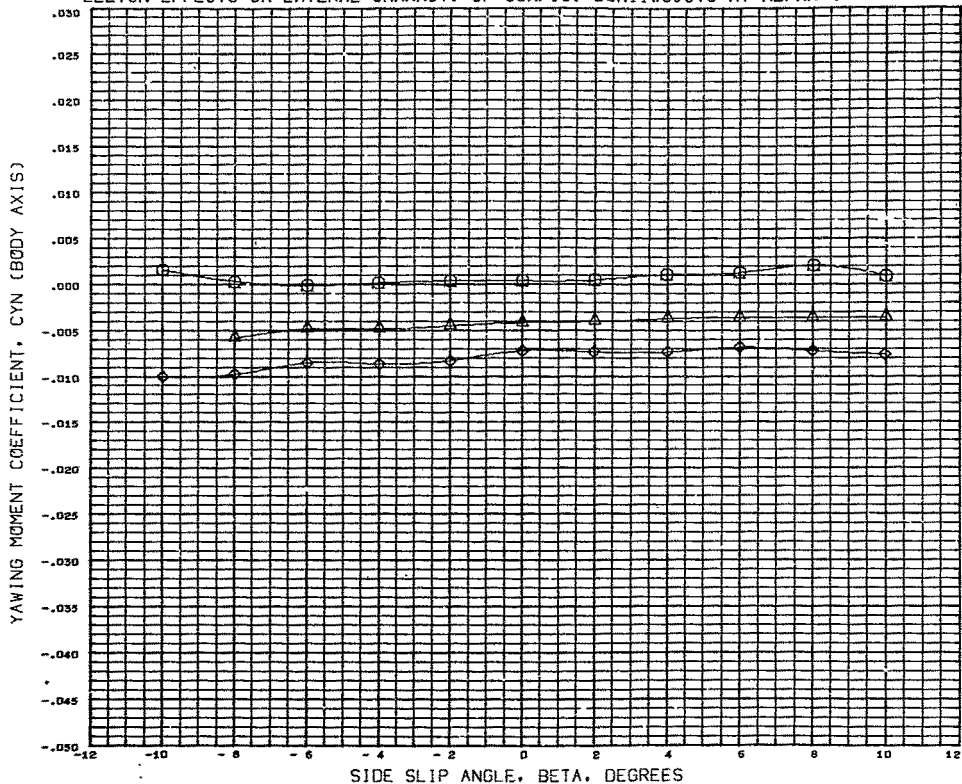
ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BC2023)	WCAIR LSMT 250 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BC2029)	WCAIR LSMT 250 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	4.000	0.000	20.000	0.000	LREF 6.0000 FT.
(BC2035)	WCAIR LSMT 250 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	4.000	5.000	30.000	0.000	BREF 6.0000 FT.
						XMRP 0.0575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0500 SCALE

MACH / 0.260

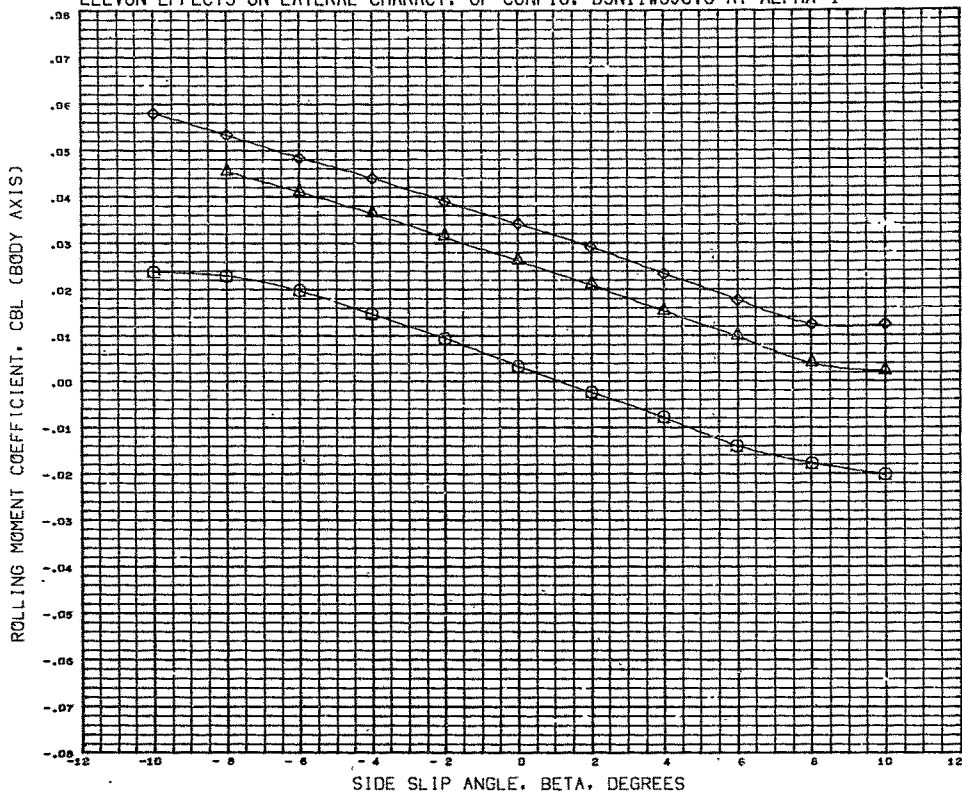
ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ023)	MCATR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZ029)	MCATR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	4.000	0.000	20.000	0.000	LREF	6.0000 FT.
(BCZ035)	MCATR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	4.000	5.000	30.000	0.000	SREF	6.0000 FT.
						YNRP	0.0375 REFL
						YNRP	0.0500 FT.
						ZNRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.264

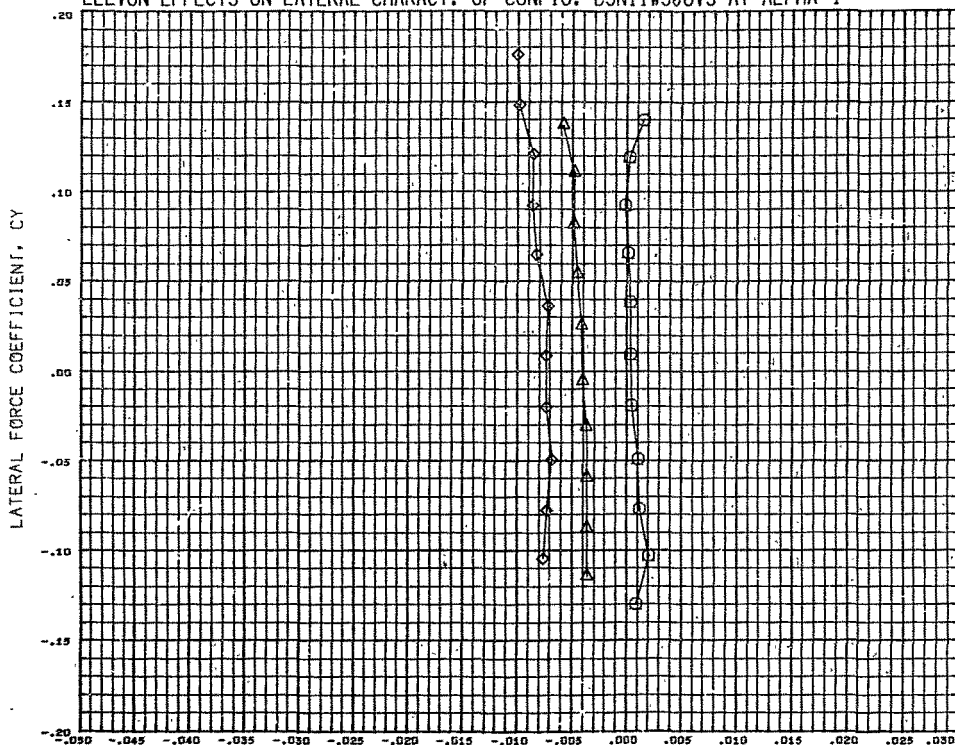
ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BC2023)	MCAR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	4.000	0.000	0.000	0.000	SREF	6.0000 SQ. FT
(BC2029)	MCAR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	4.000	0.000	20.000	0.000	LREF	6.0000 FT.
(BC2035)	MCAR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	4.000	5.000	30.000	0.000	BREF	6.0000 FT.
						XMRP	0.0573 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4

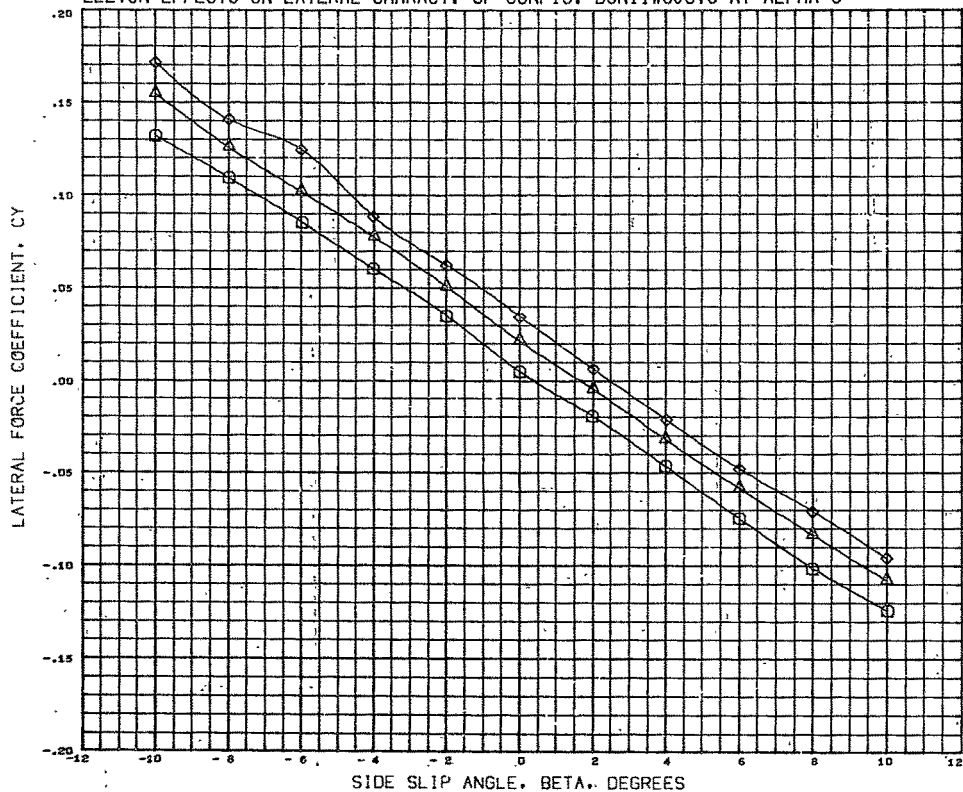


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ023)	HCAR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ029)	HCAR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	4.000	0.000	20.000	0.000	LREF 6.0000 FT.
(BCZ035)	HCAR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	4.000	5.000	30.000	0.000	BREF 6.0000 FT.
						XMRP 0.0575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6



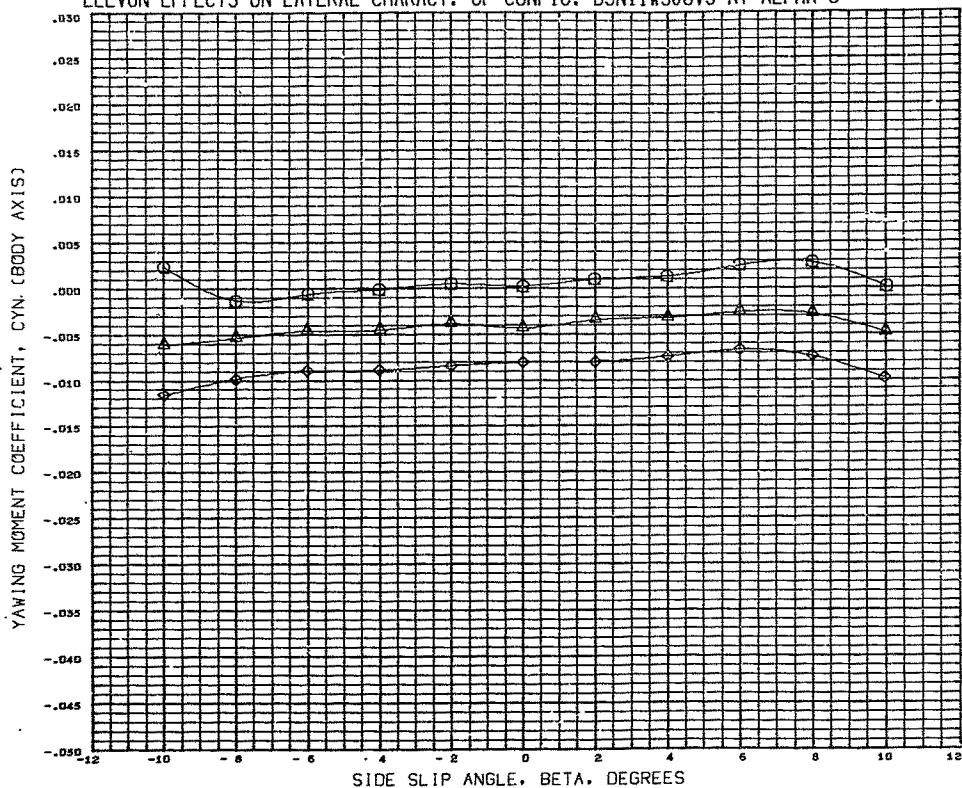
DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BCZ024) NCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (BCZ030) NCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (BCZ036) NCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
6.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
6.000	0.000	20.000	0.000	LREF 6.0000 FT.
6.000	5.000	30.000	0.000	BREF 6.0000 FT.
				XMRP 0.8575 REFL
				YMRP 0.0000 FT.
				ZMRP 0.0100 REFL
				SCALE 0.0300 SCALE

MACH 0.260

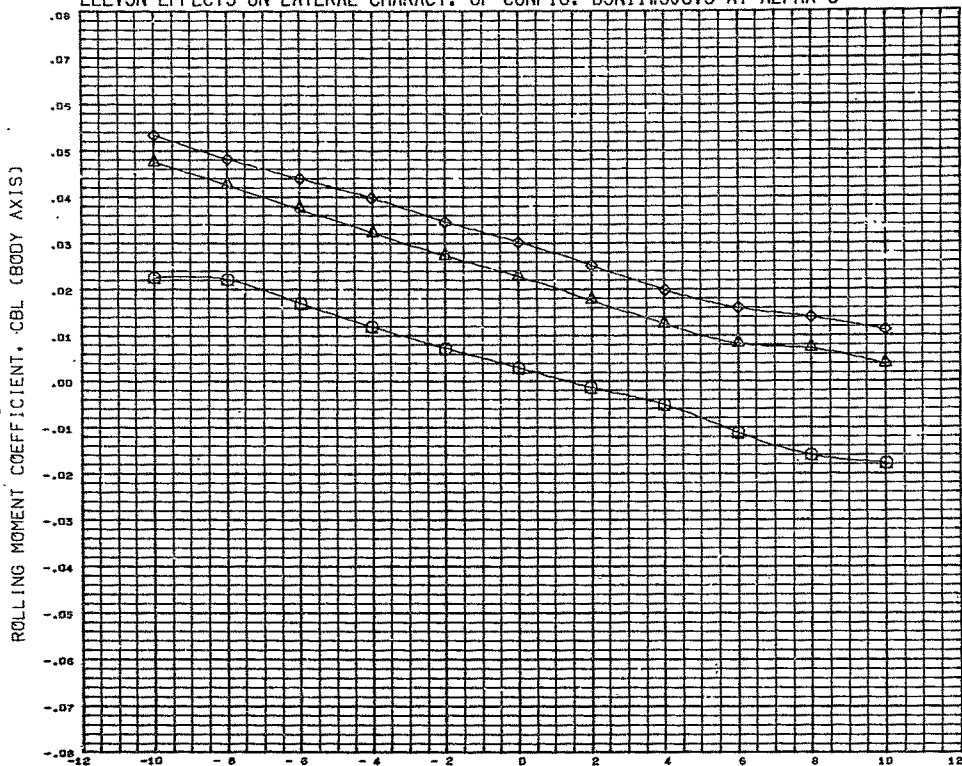
ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION
(BC2024)	○	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BC2030)	△	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	20.000	0.000	LREF	6.0000 FT.
(BC2036)	◇	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	5.000	30.000	0.000	BREF	6.0000 FT.
							XMRP	0.0575 REFL
							YMRP	0.0000 FT.
							ZMRP	0.0100 REFL
							SCALE	0.0300 SCALE

MACH 0.250

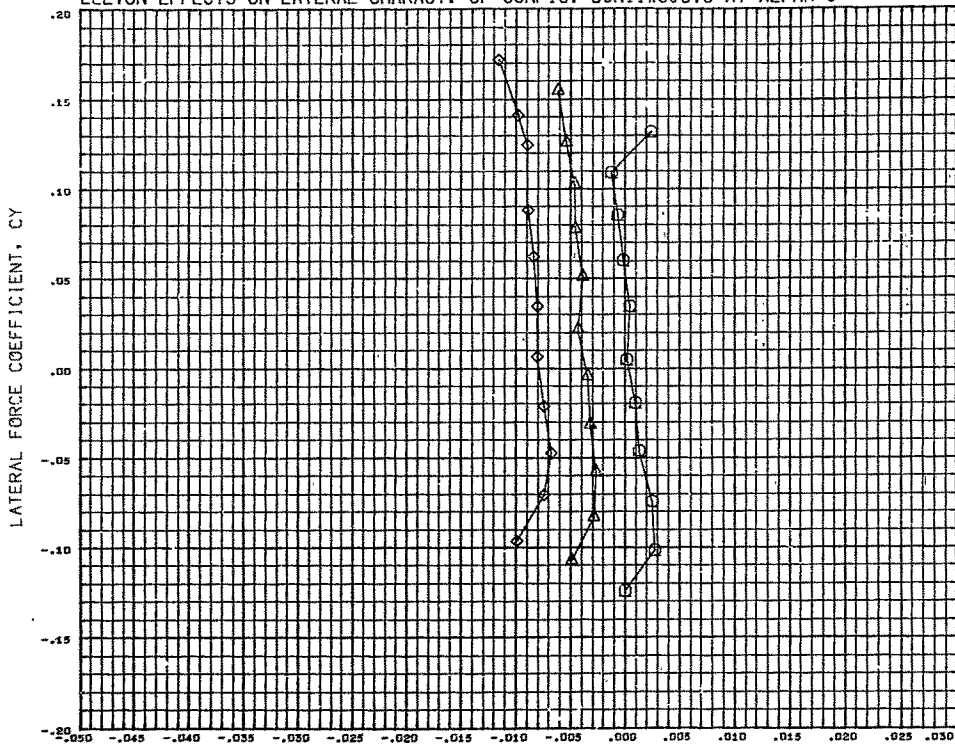
ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BC2024)	MAIR LSWT 258 3.0PCT HDAC/MNC BOOST B3N11W5J6V9	6.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BC2030)	MAIR LSWT 258 3.0PCT HDAC/MNC BOOST B3N11W5J6V9	6.000	0.000	20.000	0.000	LREF	6.0000 FT.
(BC2036)	MAIR LSWT 258 3.0PCT HDAC/MNC BOOST B3N11W5J6V9	6.000	5.000	30.000	0.000	BREF	6.0000 FT.
						XMRP	0.8975 REFL
						YMRP	0.0300 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N1W5J6V9 AT ALPHA=6

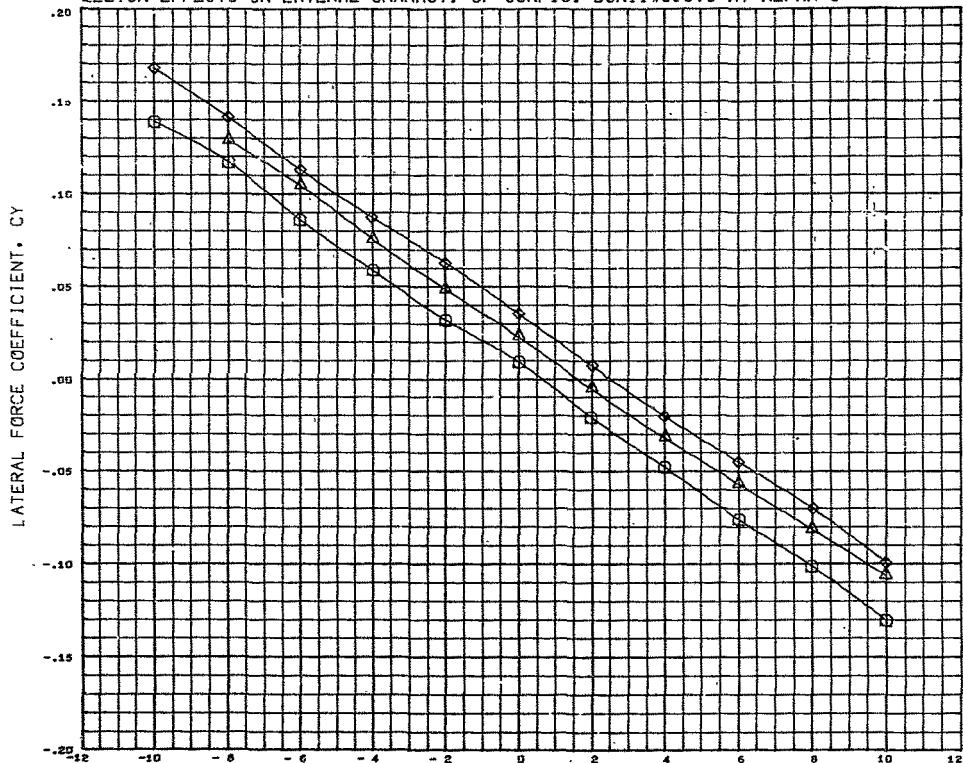


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ024)	KCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N1W5J6V9	6.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZ030)	KCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N1W5J6V9	6.000	0.000	20.000	0.000	LREF	6.0000 FT.
(BCZ036)	KCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N1W5J6V9	6.000	5.000	30.000	0.000	BREF	E.0000- FT.
						XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.269

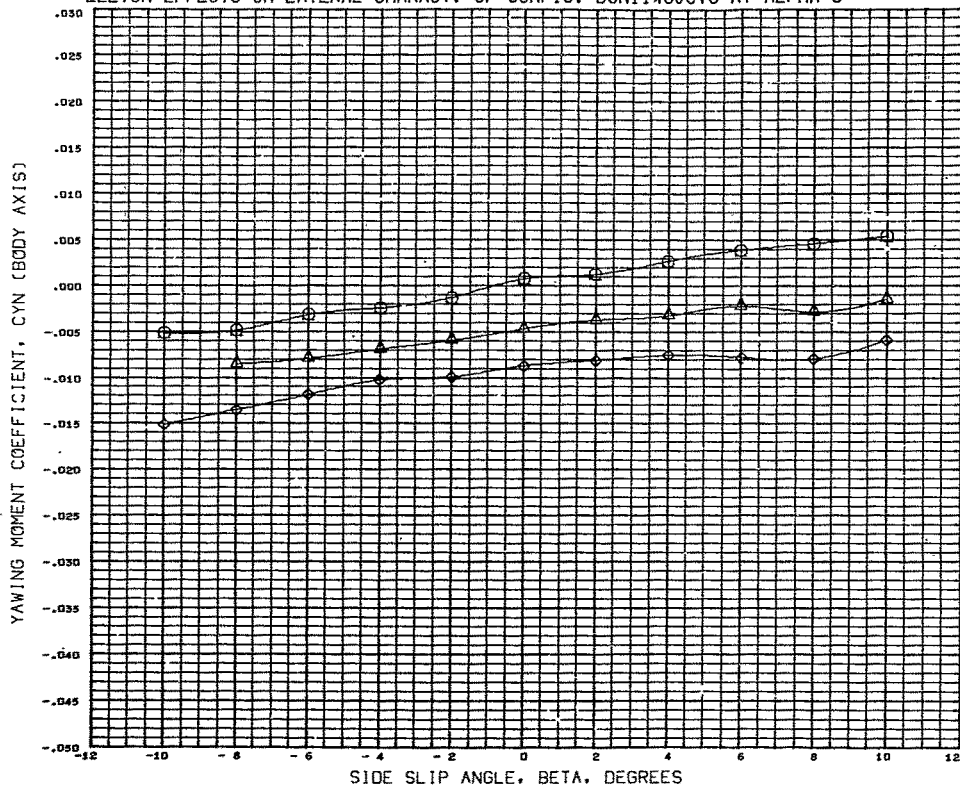
ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=8



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZD25)	MCAIR LSMT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6V9	8.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZD31)	MCAIR LSMT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6V9	8.000	0.000	20.000	0.000	LREF 6.0000 FT.
(BCZD37)	MCAIR LSMT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6V9	8.000	5.000	30.000	0.000	BREF 6.0000 FT.
						XMRP 0.8578 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

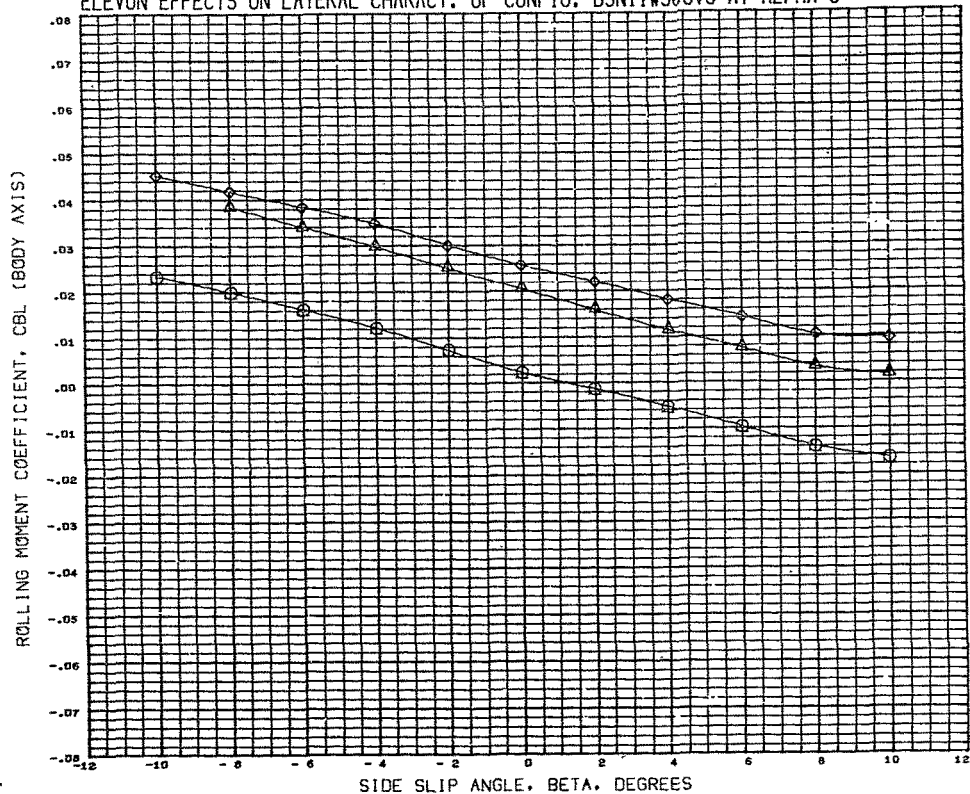
ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=8



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION		
(BCZ025)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	8.000	0.000	0.000	0.000	SREF	9.0000	SQ. FT
(BCZ031)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	8.000	0.000	20.000	0.000	LREF	6.0000	FT.
(BCZ037)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	8.000	5.000	30.000	0.000	BREF	6.0000	FT.
						XMRP	0.8578	REFL
						YMRP	0.0000	FT.
						ZMRP	0.0100	REFL
						SCALE	0.0300	SCALE

MACH 0.265

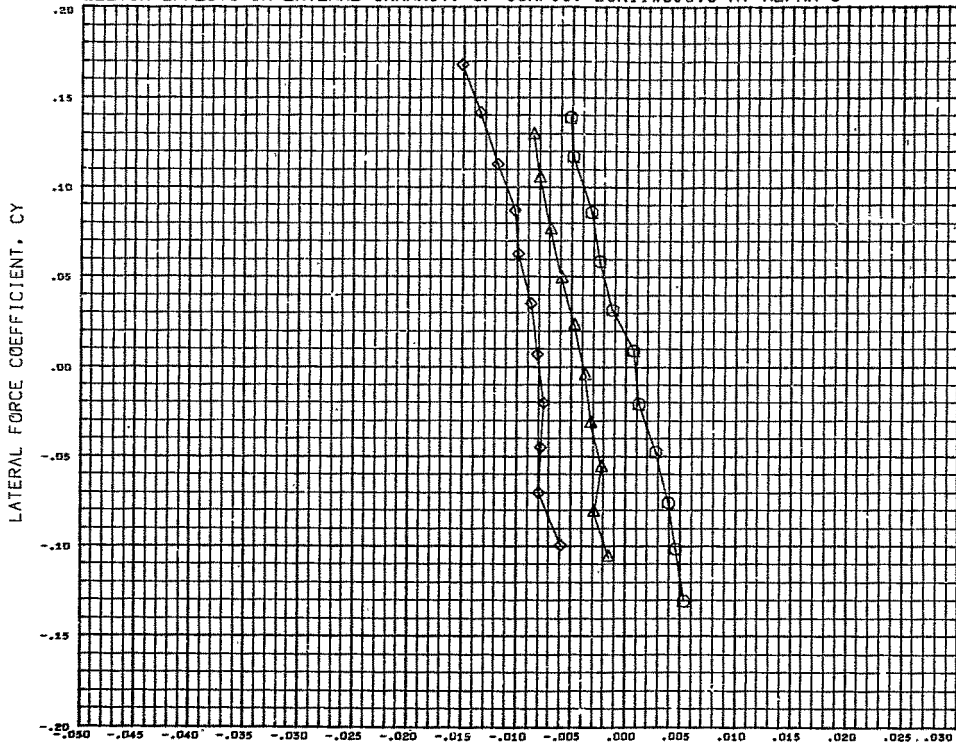
ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=8



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ025)	MCAIR LSMT 256 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	8.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZ031)	MCAIR LSMT 256 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	8.000	0.000	20.000	0.000	LREF	6.0000 FT.
(BCZ037)	MCAIR LSMT 256 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	8.000	9.000	30.000	0.000	SREF	6.0000 FT.
						XCRP	0.8515 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=8

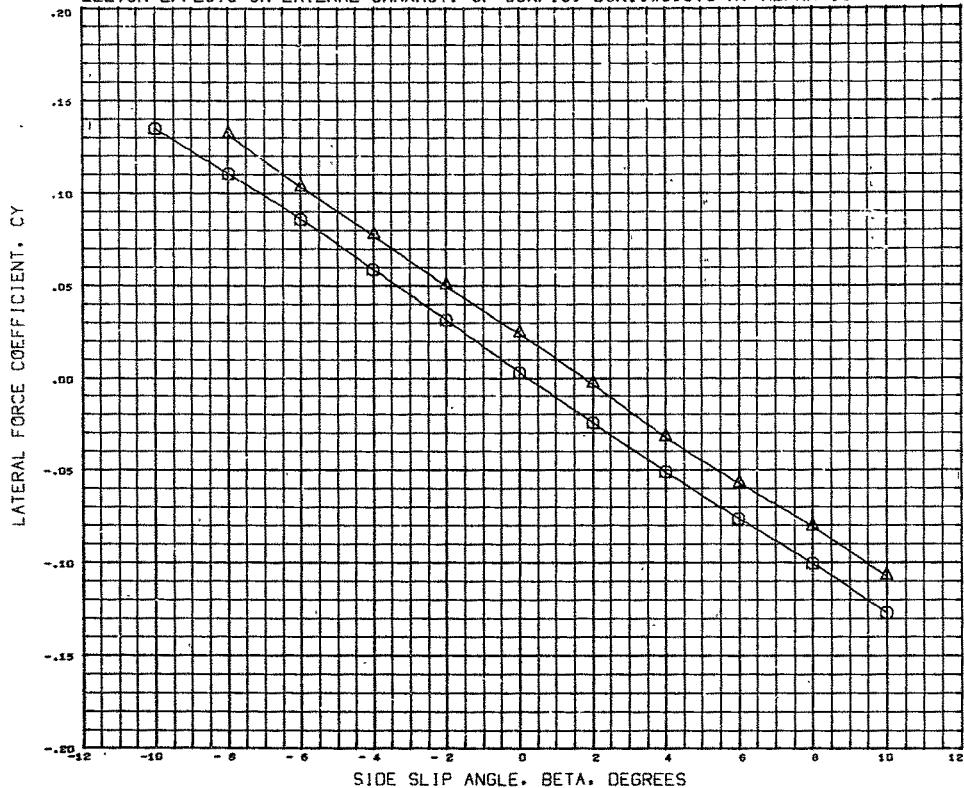


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ025)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	0.000	0.000	SREF	6.0000 SQ. FT
(BCZ031)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	20.000	0.000	LREF	6.0000 FT.
(BCZ037)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	5.000	30.000	0.000	RREF	6.0000 FT.
						ZMRP	0.0570 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 RSFL
						SCALE	0.0300 SCALE

MACH 0.260

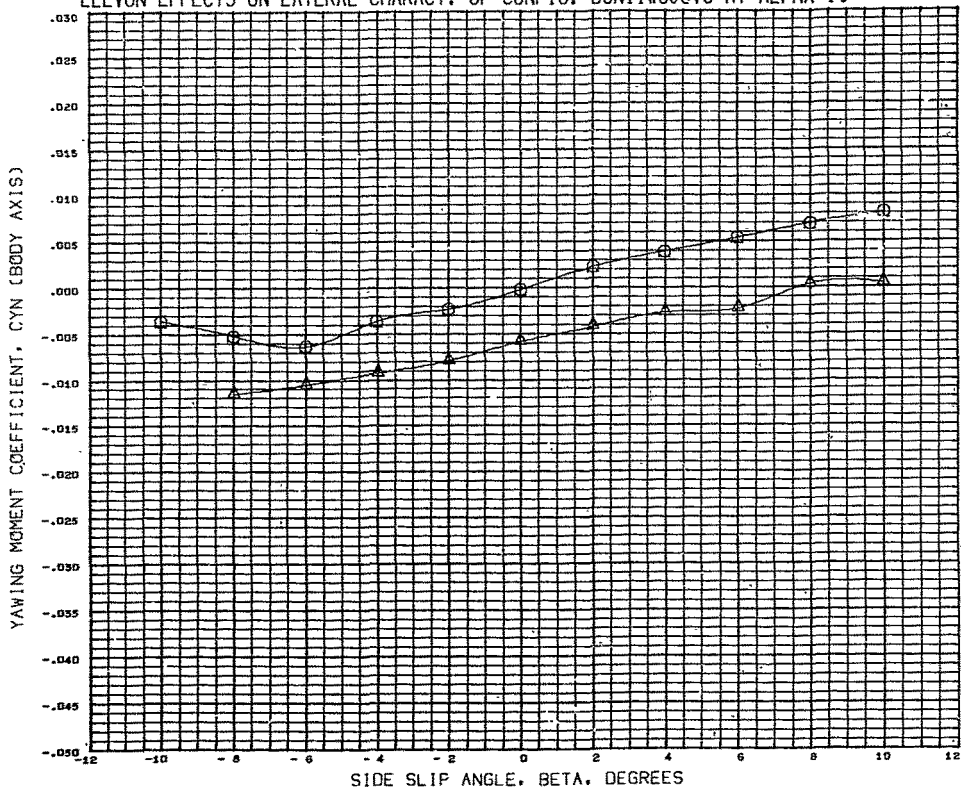
ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ026)	HCATR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ032)	HCATR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000	0.000	20.000	0.000	LREF 6.0000 FT.
						BREF 6.0000 FT.
						XMRP 0.6575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.366

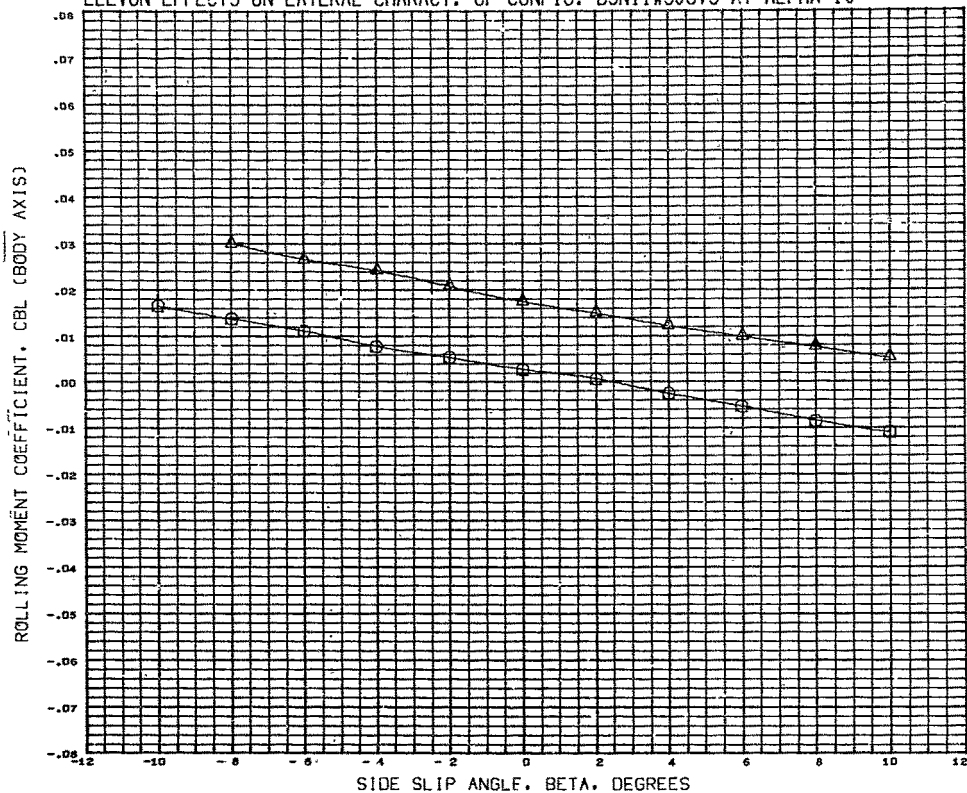
ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BC2026)	MCAR LSMT 258 3.DPCT MDAC/MHC BOOST B3N11W5J6V9	10.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BC2032)	MCAR LSMT 258 3.DPCT MDAC/MHC BOOST B3N11W5J6V9	10.000	0.000	20.900	0.000	LREF	6.0000 FT.
						BREF	6.0000 FT.
						XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.385

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10



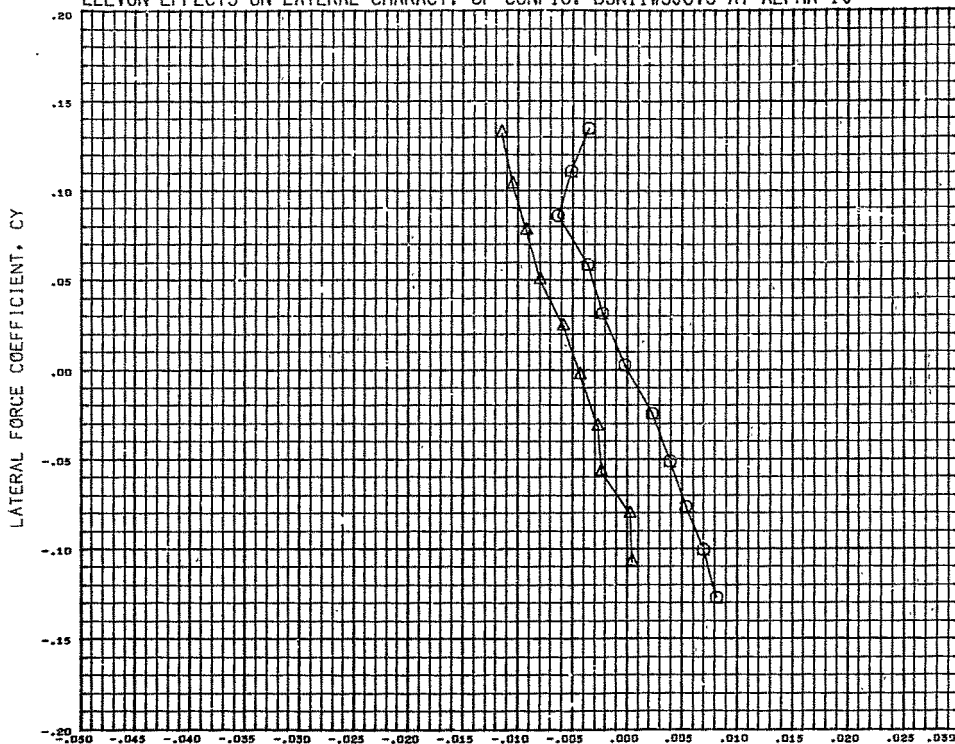
DATA SET SYMBOL CONFIGURATION DESCRIPTION

(8C2026) Q: MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (8C2032) Δ: MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
10.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
10.000	0.000	20.000	0.000	LREF 6.0000 FT.
				SREF 6.0000 FT.
				XMRF 0.8575 REFL
				YMRP 0.0000 FT.
				ZMRP 0.0100 REFL
				SCALE 0.0300 SCALE

MACH 0.280

ELEVON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10

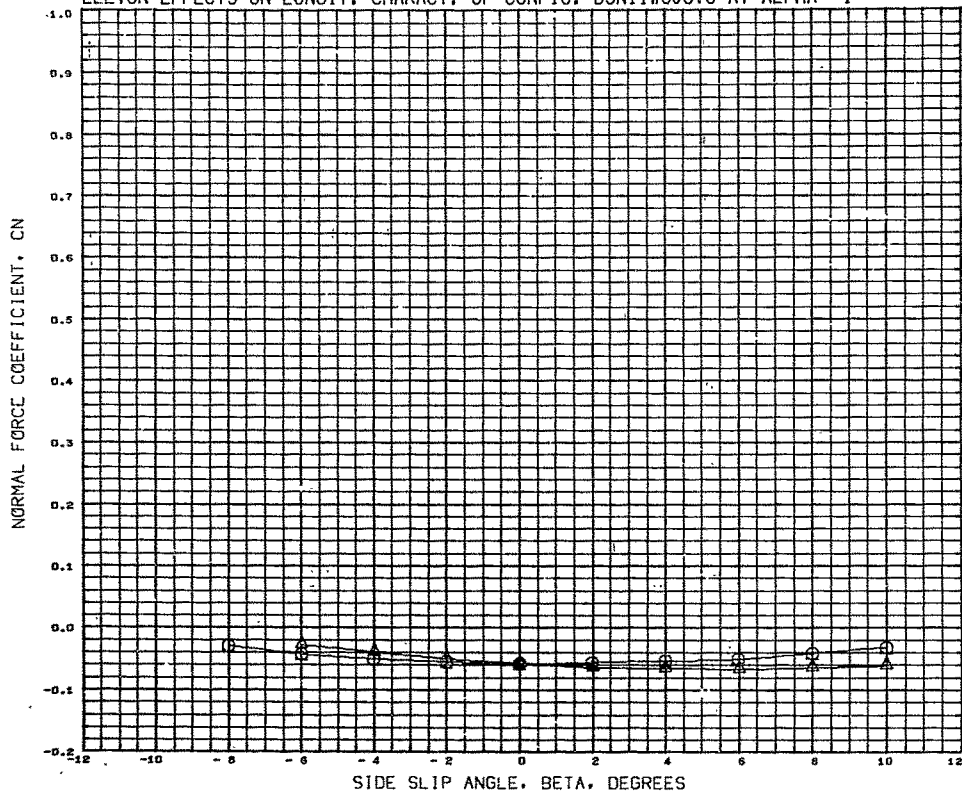


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ026)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	10.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZ032)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	10.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	6.0630 FT.
						XMRP	0.9575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

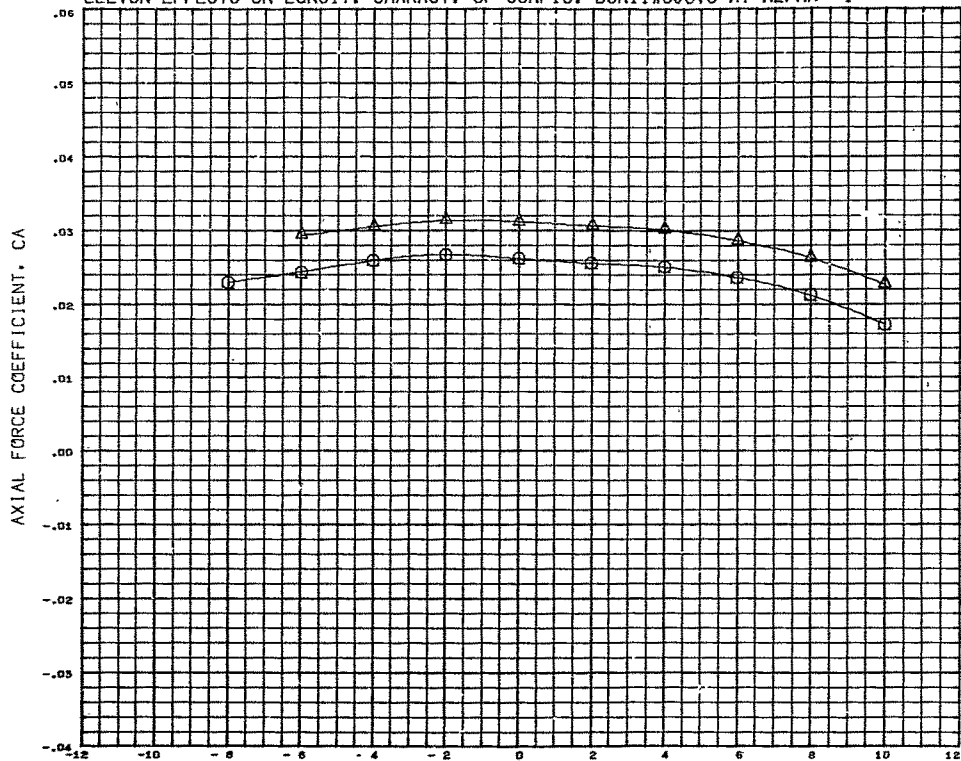
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4



DATA SET SYMBOL		CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZD21)	○	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZD27)	△	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	20.000	0.000	LREF	6.0000 FT.
							BREF	8.0000 FT.
							XMRP	0.0075 REFL
							YMRP	0.0000 FT.
							ZMRP	0.0100 REFL
							SCALE	0.0300 SCALE

MACH 0.260

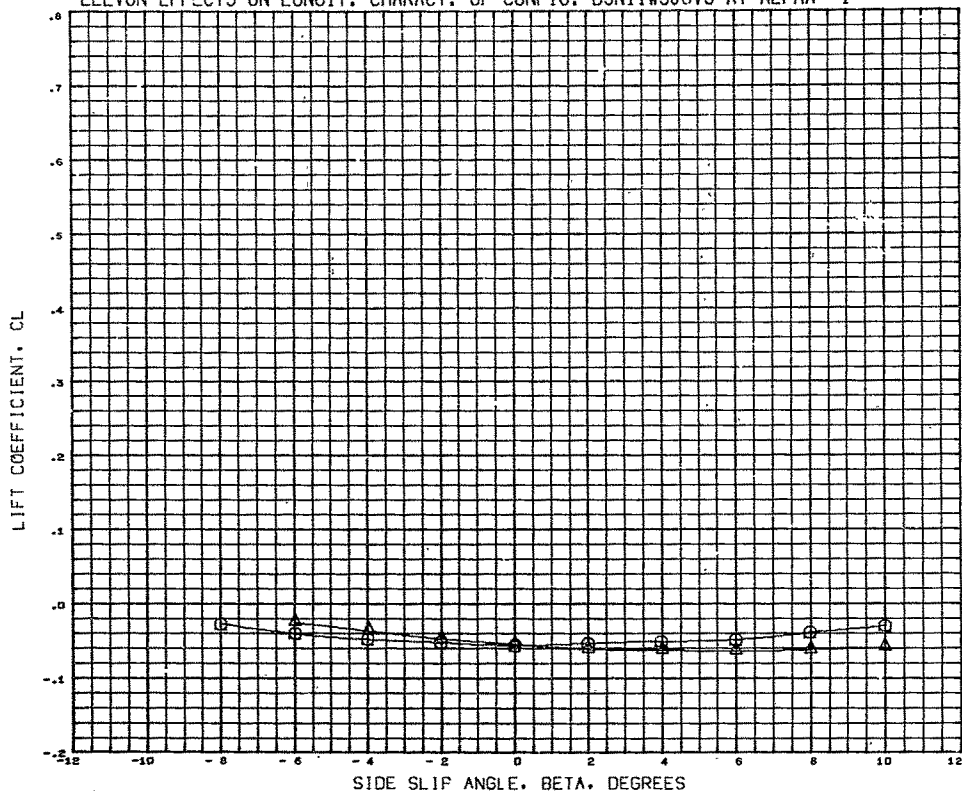
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4



SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BC2021)	MC1R LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BC2027)	MC1R LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	6.0000 FT.
						XMRP	0.0575 REFL.
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE
	MACH	0.260					

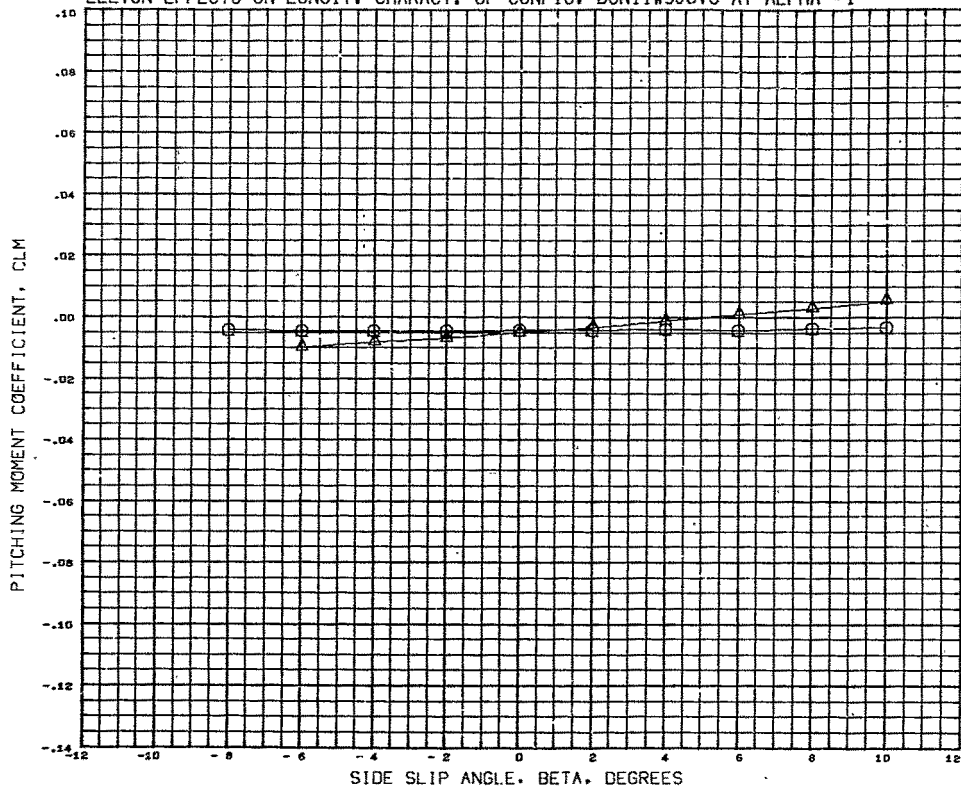
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION
(AC2021)	MCAR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(AC2027)	MCAR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	20.000	0.000	LREF	6.0000 FT.
						SREF	6.0000 FT.
						XREF	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH

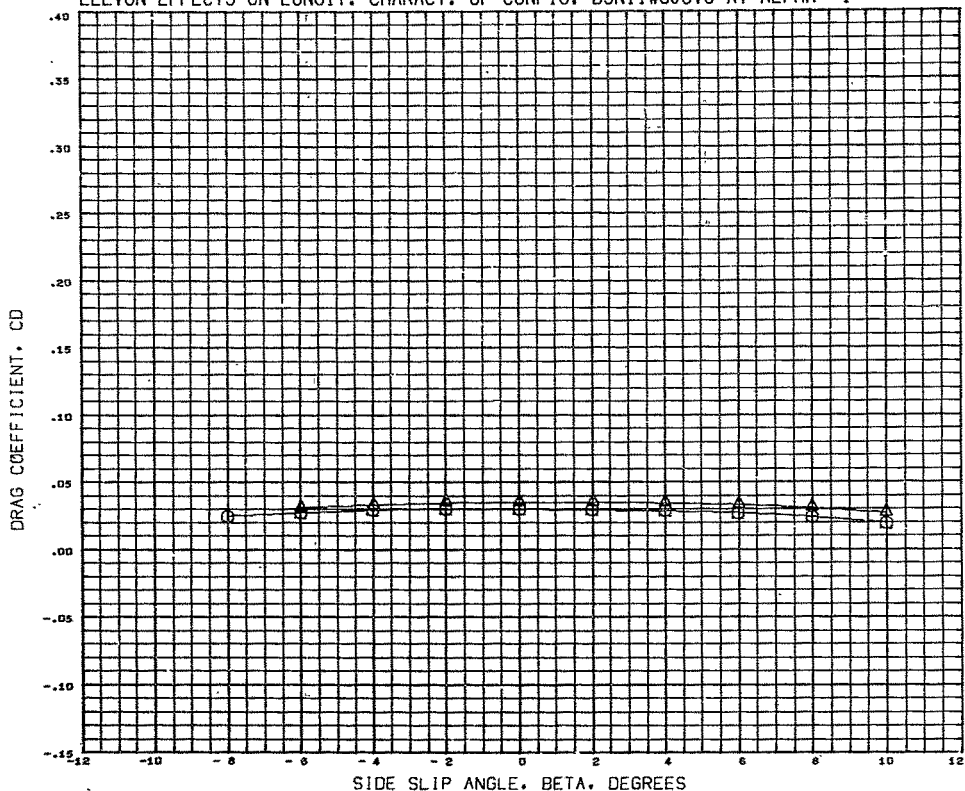
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ021)	MCALR LSWT 250 3.0PCT MDAC/MWC BOOST B3N11W5J6V9	-4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(ACZ027)	MCALR LSWT 250 3.0PCT MDAC/MWC BOOST B3N11W5J6V9	-4.000	0.000	20.000	0.000	LREF 6.0000 FT.
						BREF 6.0000 FT.
						MHRP 0.8575 REFL
						YMRP 0.5000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

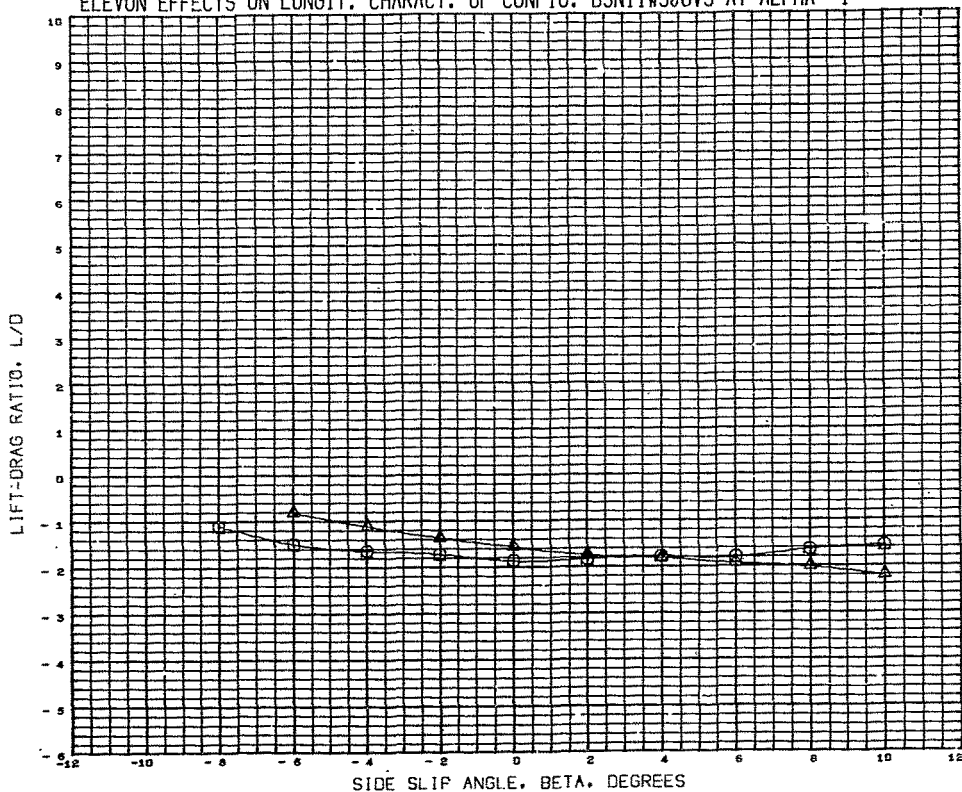
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ021)	NCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	-4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(ACZ027)	NCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	-4.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	6.0000 FT.
						XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0000 REFL
						SCALE	0.0300 SCALE

MACH 0.260

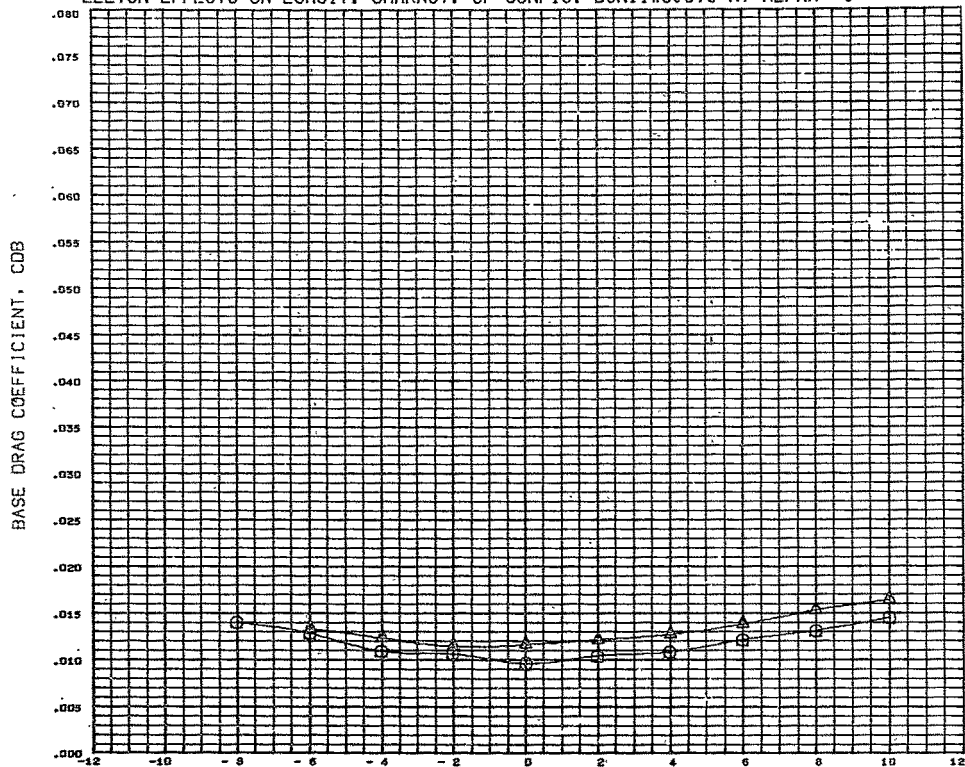
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ021)	MCATR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(ACZ027)	MCATR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	6.0003 FT.
						XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4



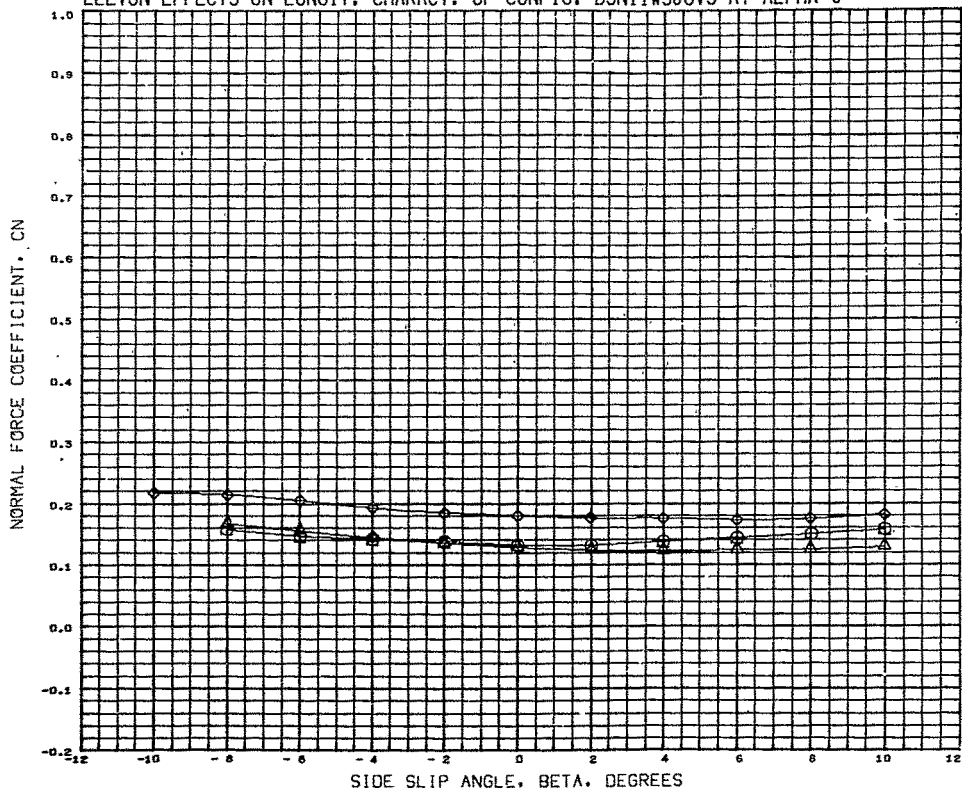
DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ021) MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9
(ACZ027) MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
-4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
-4.000	0.000	20.000	0.000	LREF 6.0000 FT.
				SREF 6.0000 FT.
				XGRP 0.8575 REFL
				YGRP 0.0000 FT.
				ZGRP 0.0100 REFL
				SCALE 0.0300 SCALE

MACH 0.200

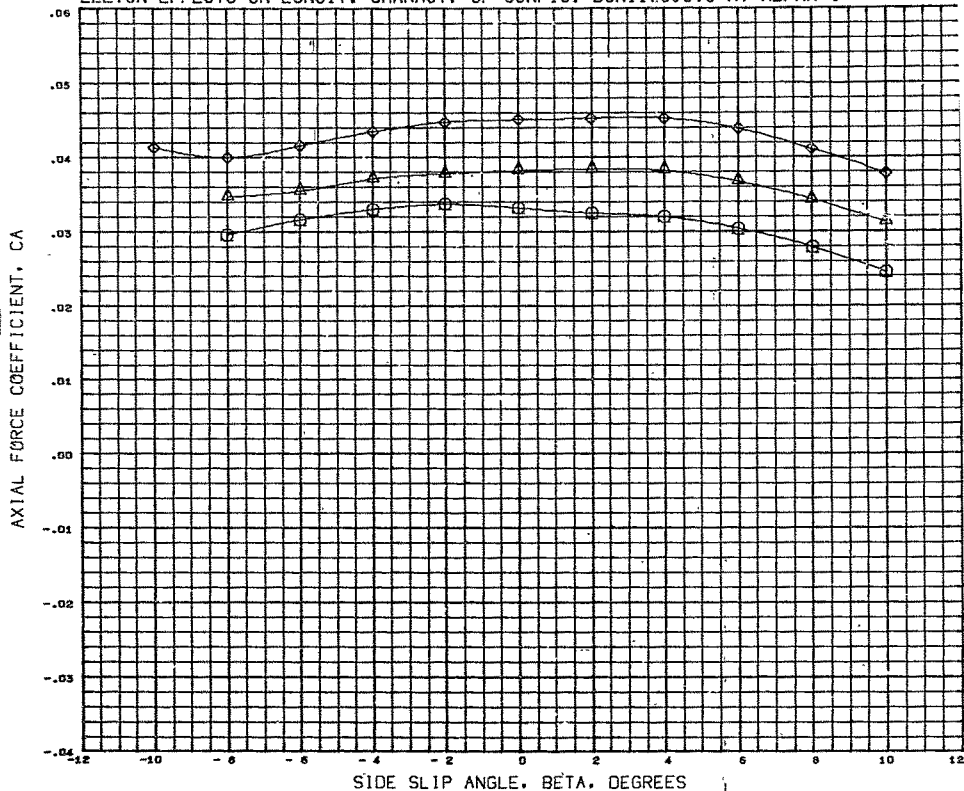
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BC2022)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BC2028)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	20.000	0.000	LREF 6.0000 FT.
(BC2034)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	30.000	0.000	BREF 6.0000 FT.
						XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0000 REFL
						SCALE 0.0300 SCALE

MACH 0.260

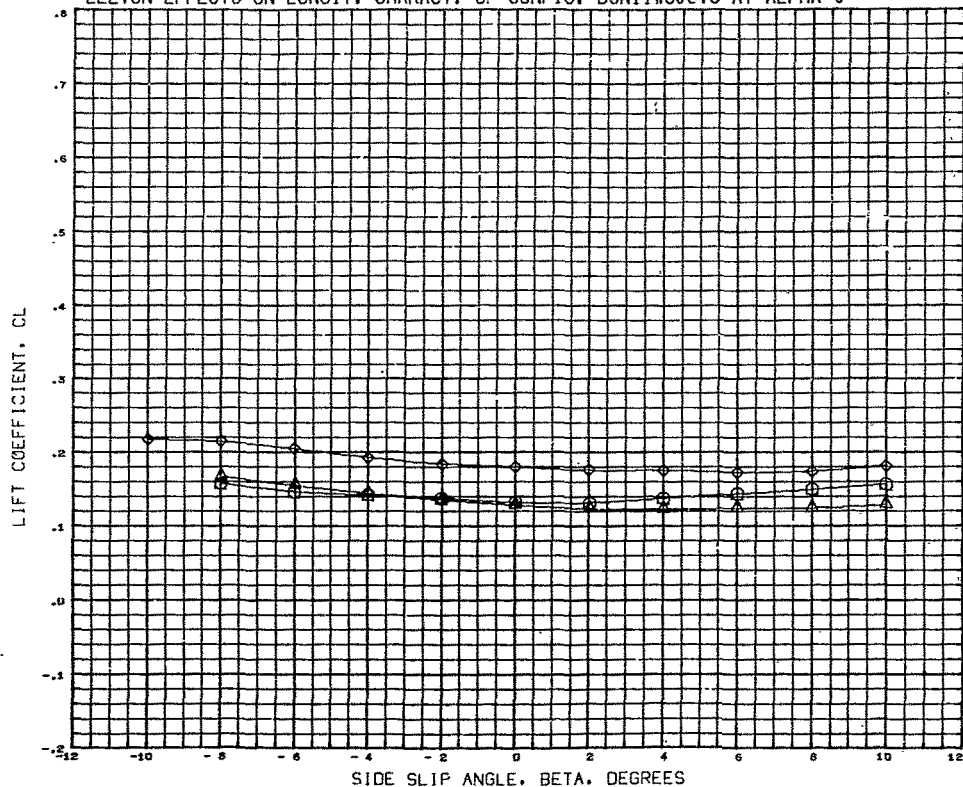
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BC2022)	MCAIR LSWT 256 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BC2028)	MCAIR LSWT 256 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	0.000	0.000	20.000	0.000	LREF 6.0000 FT.
(BC2034)	MCAIR LSWT 256 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	0.000	5.000	30.000	0.000	BREF 6.0000 FT.
						XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

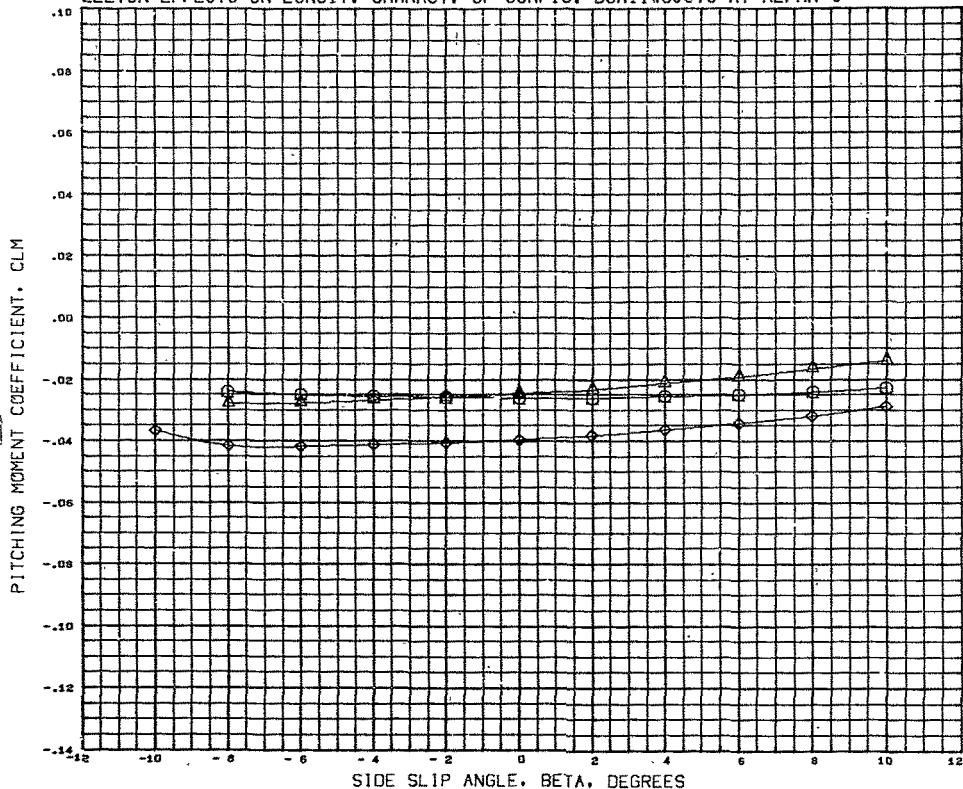
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ022)	MCAIR LSWT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(ACZ026)	MCAIR LSWT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6V9	0.000	0.000	20.000	0.000	LRFP 6.0000 FT.
(ACZ034)	MCAIR LSWT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6V9	0.000	5.000	30.000	0.000	BRFP 4.0000 FT.
						XMRP 0.8578 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.360

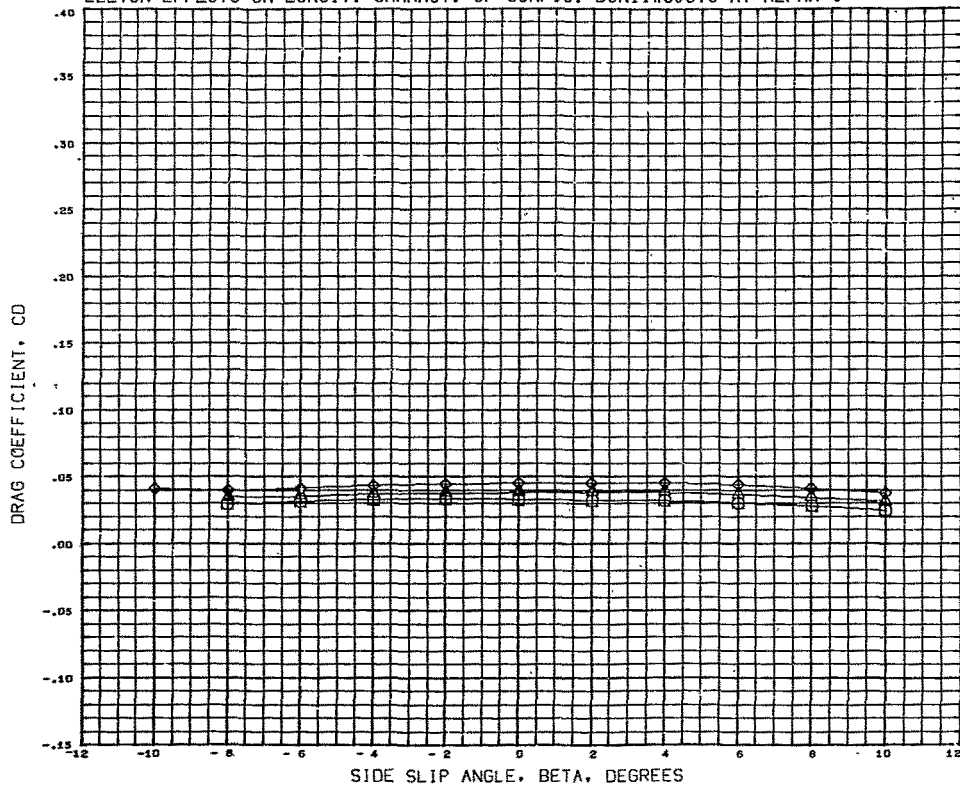
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILERON	RUDDER	REFERENCE INFORMATION
(AC2022)	○	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT.
(AC2028)	△	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	20.000	0.000	LREF 6.0000 FT.
(AC2034)	◇	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	5.000	30.000	0.000	BREF 6.0000 FT.
							XMRP 0.8575 REFL
							YMRP 0.0000 FT.
							ZMRP 0.0100 REFL
							SCALE 0.0300 SCALE

MACH 0.260

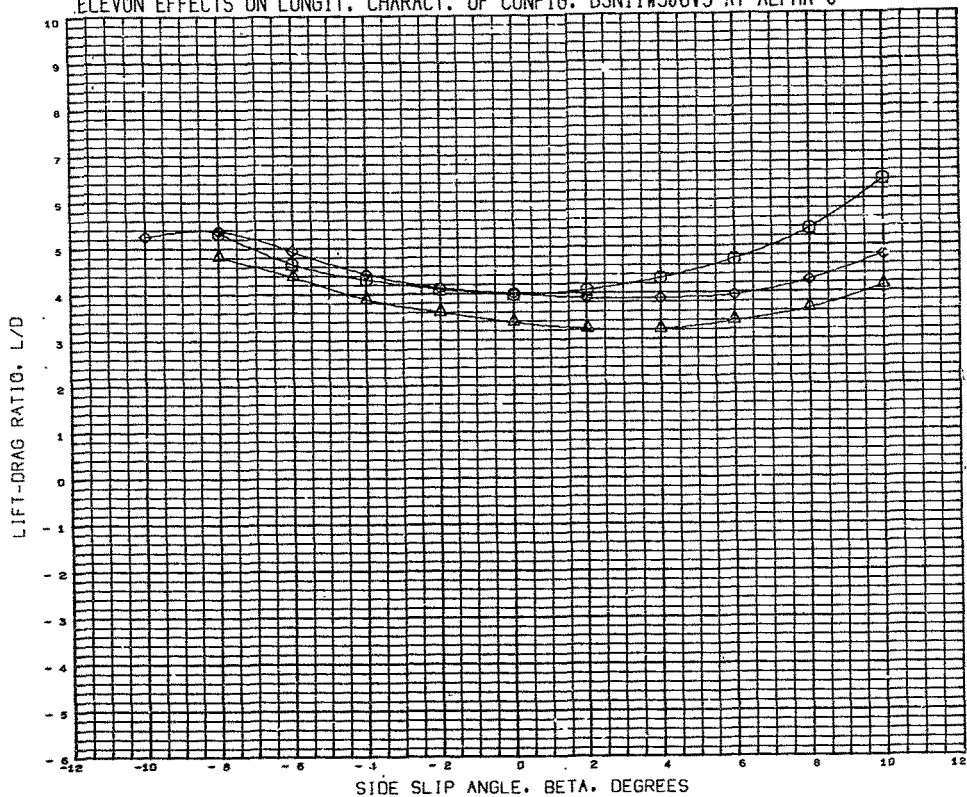
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ022)	○	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(ACZ029)	△	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	20.000	0.000	LREF 6.0000 FT.
(ACZ034)	◇	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	5.000	30.000	0.000	BREF 6.0000 FT.
							XWRP 0.0375 REFL
							YWRP 0.0000 FT.
							ZWRP 0.0100 REFL
							SCALE 0.0300 SCALE

MACH 0.260

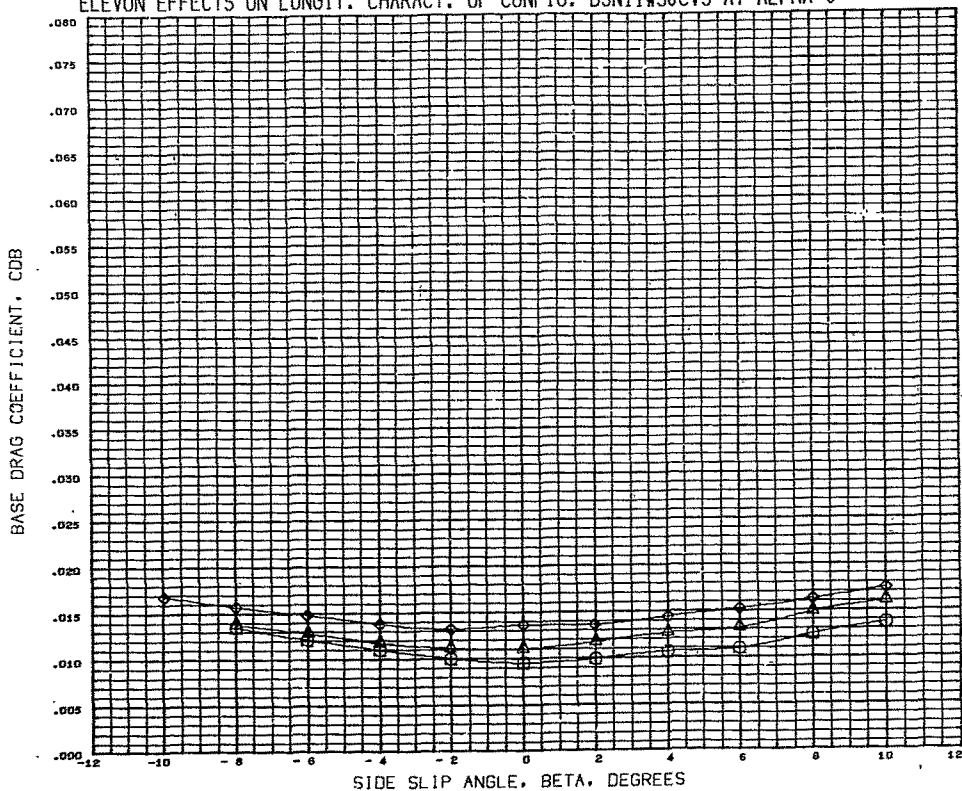
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ022)	MCAR LSWT 258 5.0PCT NDAC/MNC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(ACZ023)	MCAR LSWT 258 5.0PCT NDAC/MNC BOOST B3N11W5J6V9	0.000	0.000	20.000	0.000	LREF	6.0000 FT.
(ACZ034)	MCAR LSWT 258 5.0PCT NDAC/MNC BOOST B3N11W5J6V9	0.000	5.000	30.000	0.000	BREF	6.0000 FT.
						XWRP	0.6575 REFL
						YWRP	0.0000 FT.
						ZWRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

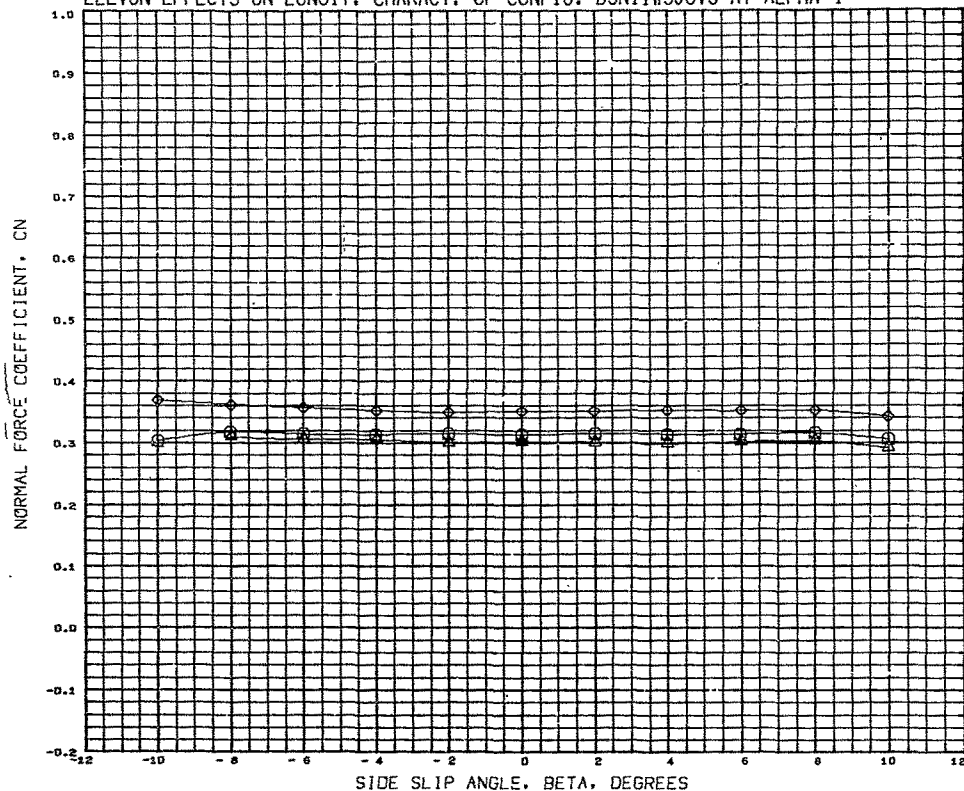
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILERON	RUDDER	REFERENCE INFORMATION	
(AC2022)	MCAR LSWT 258 3.0PCT HDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(AC2028)	MCAR LSWT 258 3.0PCT HDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	20.000	0.000	LREF	6.0000 FT.
(AC2034)	MCAR LSWT 258 3.0PCT HDAC/MHC BOOST B3N11W5J6V9	0.000	5.000	30.000	0.000	SREF	8.0000 FT.
						XMRP	0.8575 REFL.
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL.
						SCALE	0.0300 SCALE

MACH 0.260

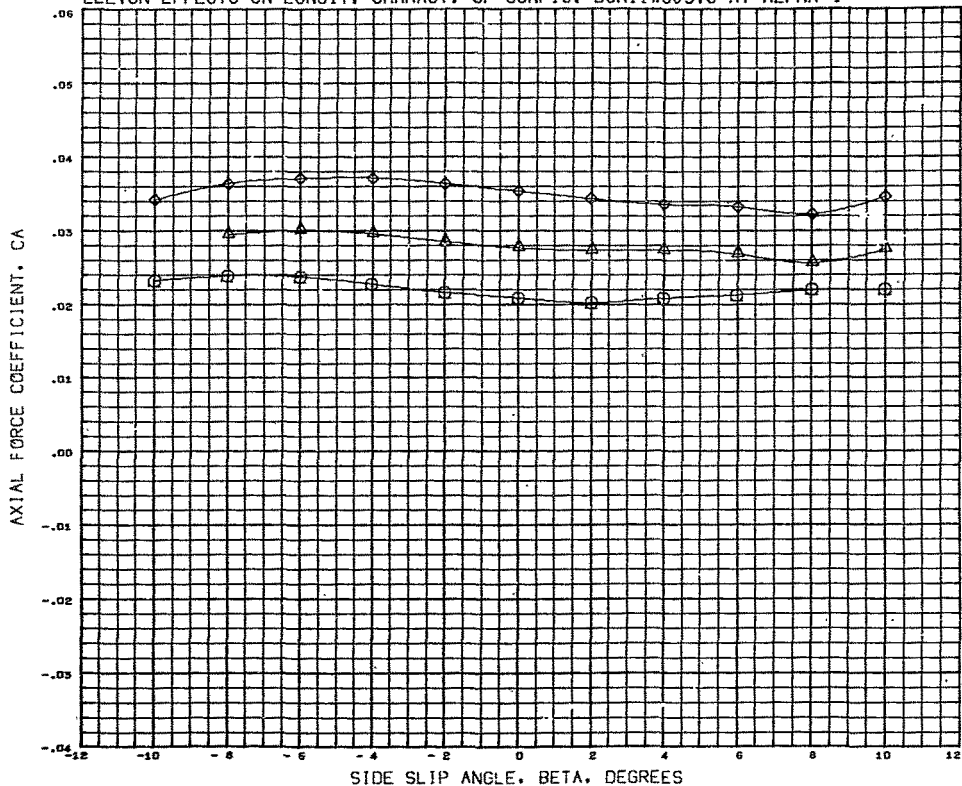
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BC2023)	MCATR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BC2029)	MCATR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	20.000	0.000	LREF 6.0000 FT.
(BC2035)	MCATR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	5.000	30.000	0.000	BREF 6.0000 FT.
						XMRP 0.6575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

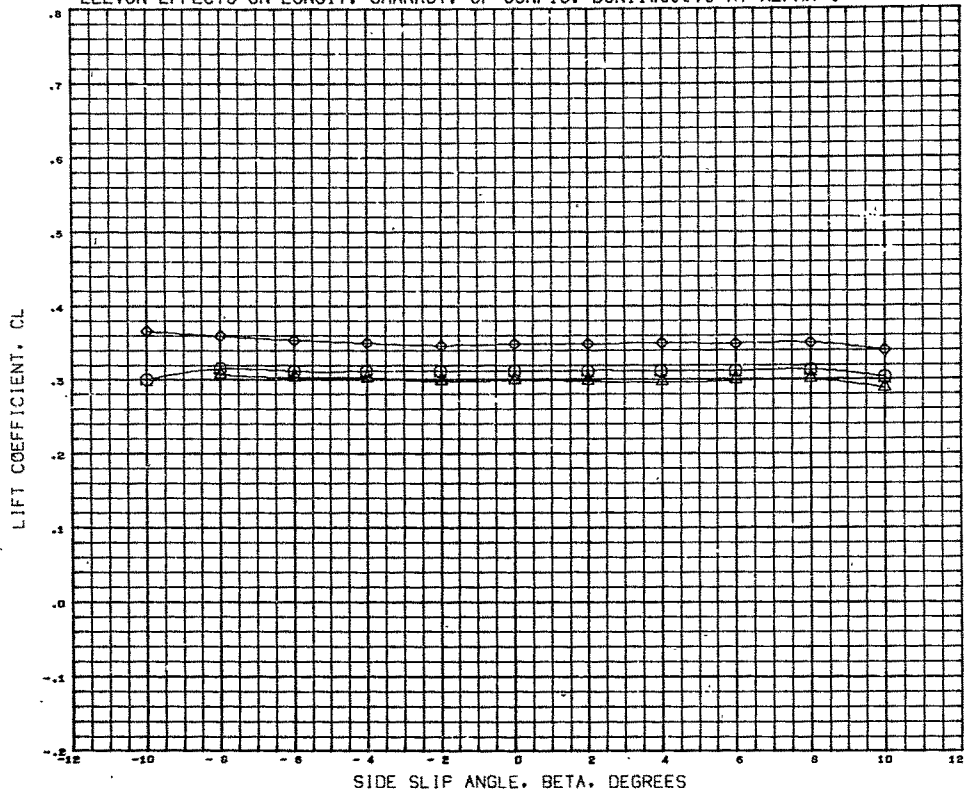
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BC2023)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BC2029)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	20.000	0.000	LREF	8.0000 FT.
(BC2035)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	5.000	30.000	0.000	RREF	6.0000 FT.
						XMRF	0.8575 REFL
						YNRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

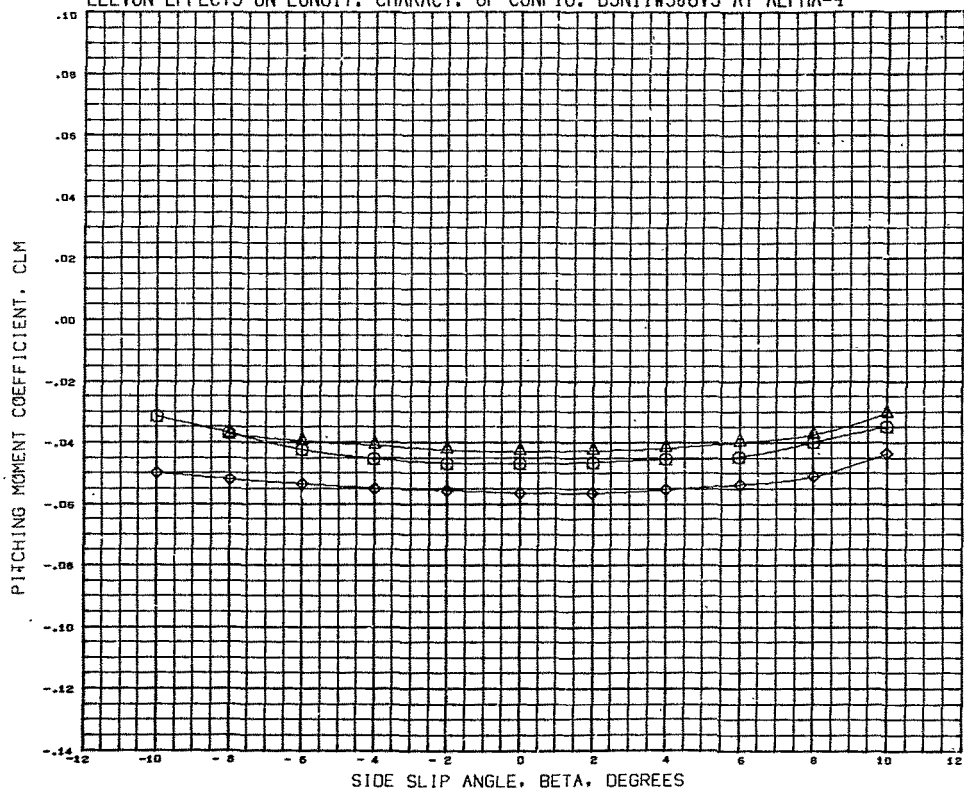
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ023)	MCAIR LSWT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6V9	4.000	0.000	0.000	0.000	BREF	9.0000 SQ. FT
(ACZ029)	MCAIR LSWT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6V9	4.000	0.000	20.000	0.000	LBREF	6.0000 FT.
(ACZ035)	MCAIR LSWT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6V9	4.000	5.000	30.000	0.000	BREF	6.000J FT.
						XWRP	0.8575 REFL
						YWRP	0.0000 FT.
						ZWRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

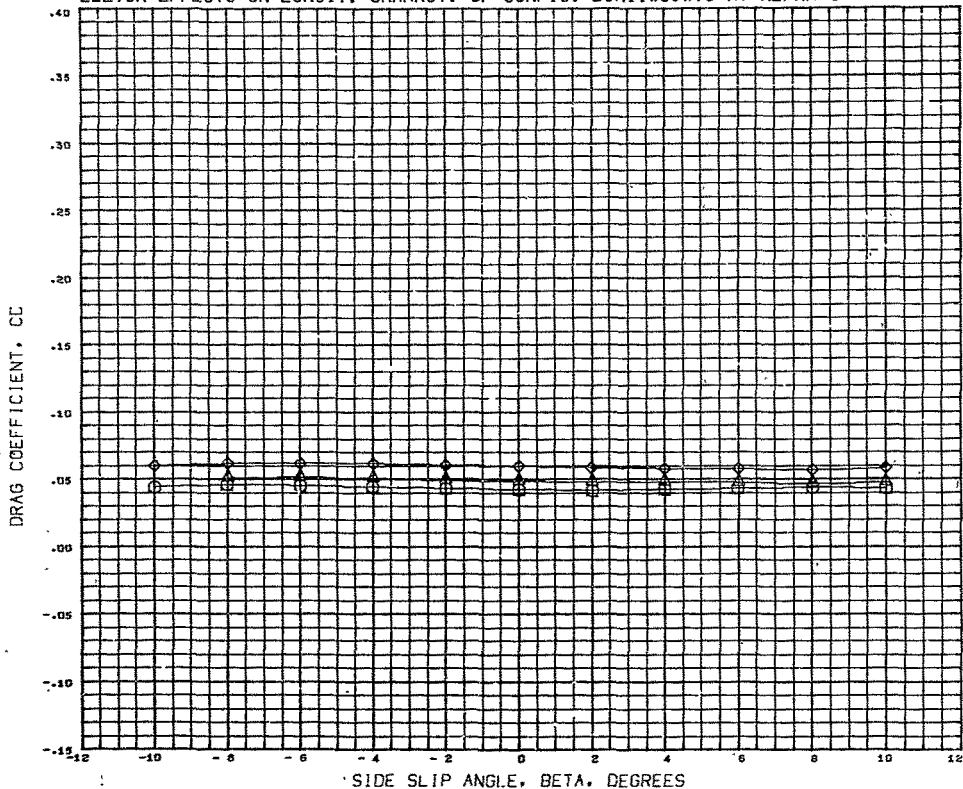
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(AC2023)	○	NCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(AC2029)	△	NCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	4.000	0.000	20.000	0.000	LREF 6.0000 FT.
(AC2039)	◇	NCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	4.000	5.000	30.000	0.000	BREF 6.0000 FT.
							XARP 0.8575 REFL
							YMRP 0.0000 FT.
							ZMRP 0.0100 REFL
							SCALE 0.0300 SCALE

MACH 0.260

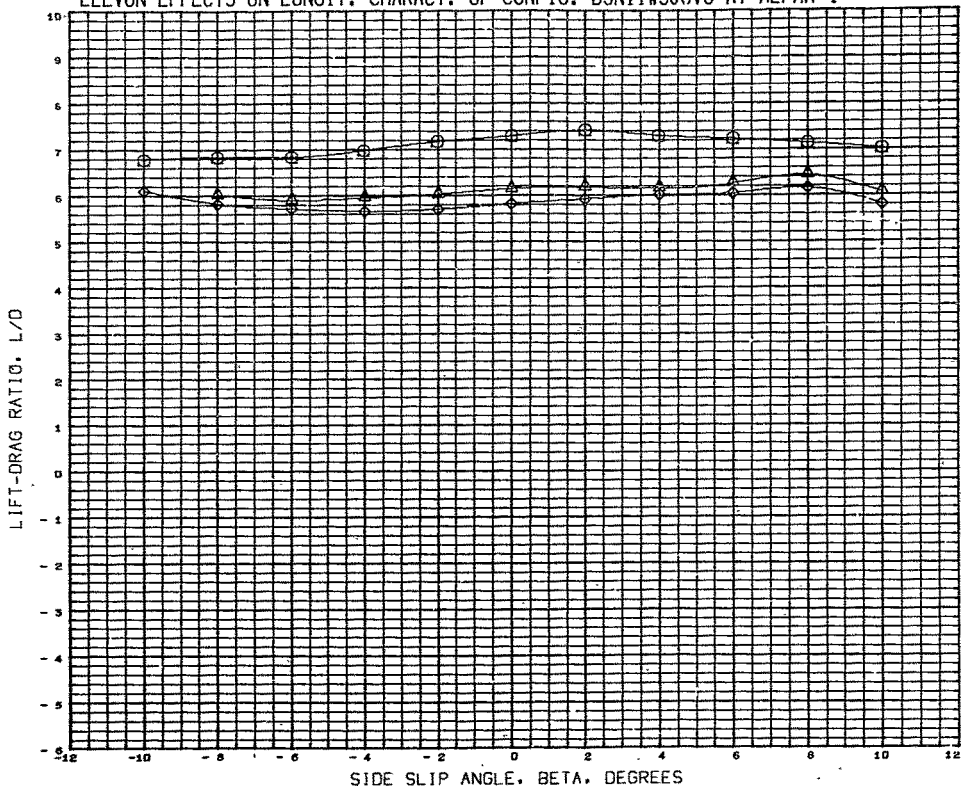
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(AC2023)	□ NCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(AC2029)	△ NCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	4.000	0.000	20.000	0.000	LREF	6.0000 FT.
(AC2035)	◇ NCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	4.000	5.000	30.000	0.000	BREF	6.0000 FT.
						WREF	0.8575 REFL
						WREF	0.0000 FT.
						ZWREF	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AC2023) MCAIR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (AC2028) MCAIR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (AC2035) MCAIR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9

ALPHA	ELEVON	AILRON	RUDDER
4.000	0.000	0.000	0.000
4.000	0.000	20.000	0.000
4.000	5.000	30.000	0.000

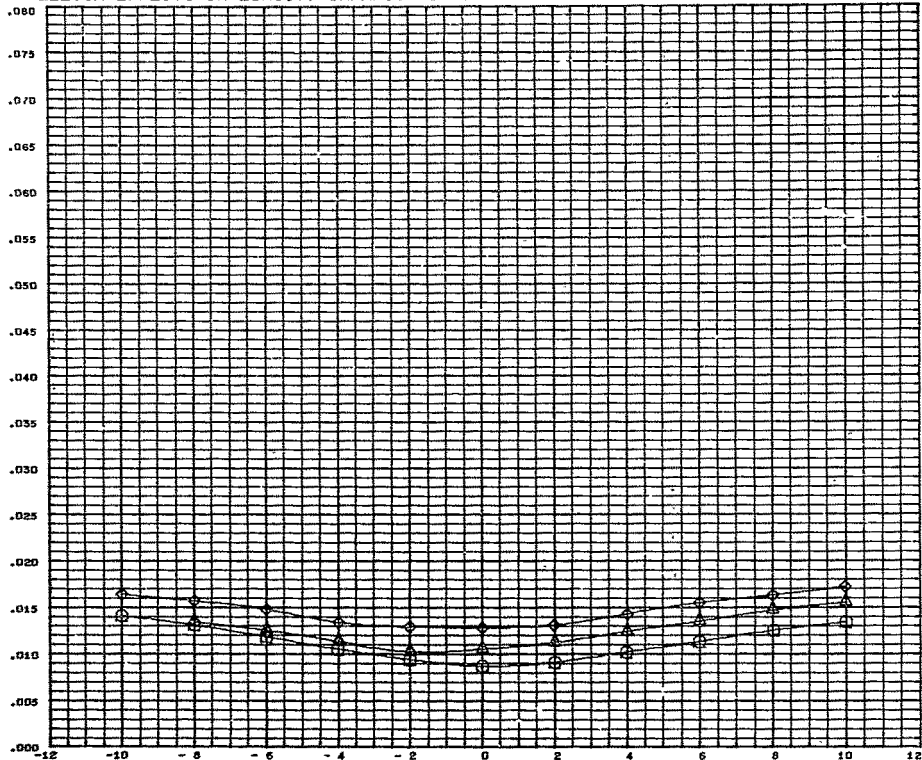
REFERENCE INFORMATION

SREF	9.0000	Sq. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
XMRP	0.6575	REFL
YMRP	0.0000	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4

BASE DRAG COEFFICIENT, COB



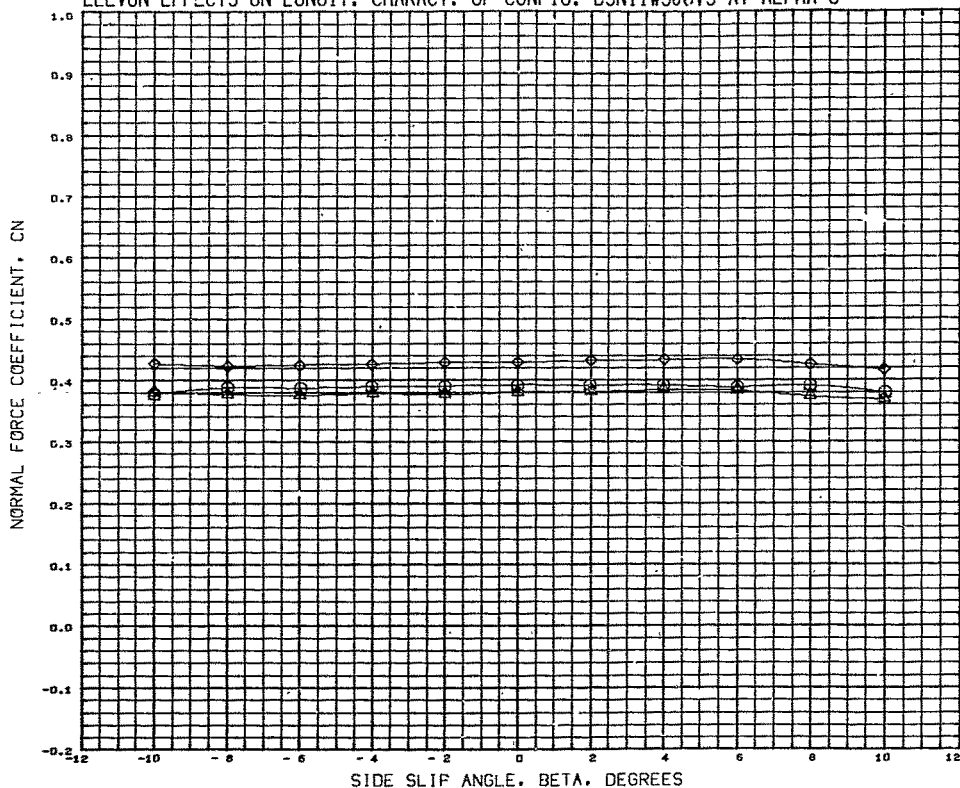
SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION
(ACZ023)	MCAIR LSWT 256 3.0PCT HDAC/HMC BOOST B3N11W5J6V9	4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(ACZ029)	MCAIR LSWT 256 3.0PCT HDAC/HMC BOOST B3N11W5J6V9	4.000	0.000	20.000	0.000	LREF	6.0000 FT.
(ACZ035)	MCAIR LSWT 256 3.0PCT HDAC/HMC BOOST B3N11W5J6V9	4.000	5.000	30.000	0.000	BREF	6.0000 FT.
						YMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH

0.260

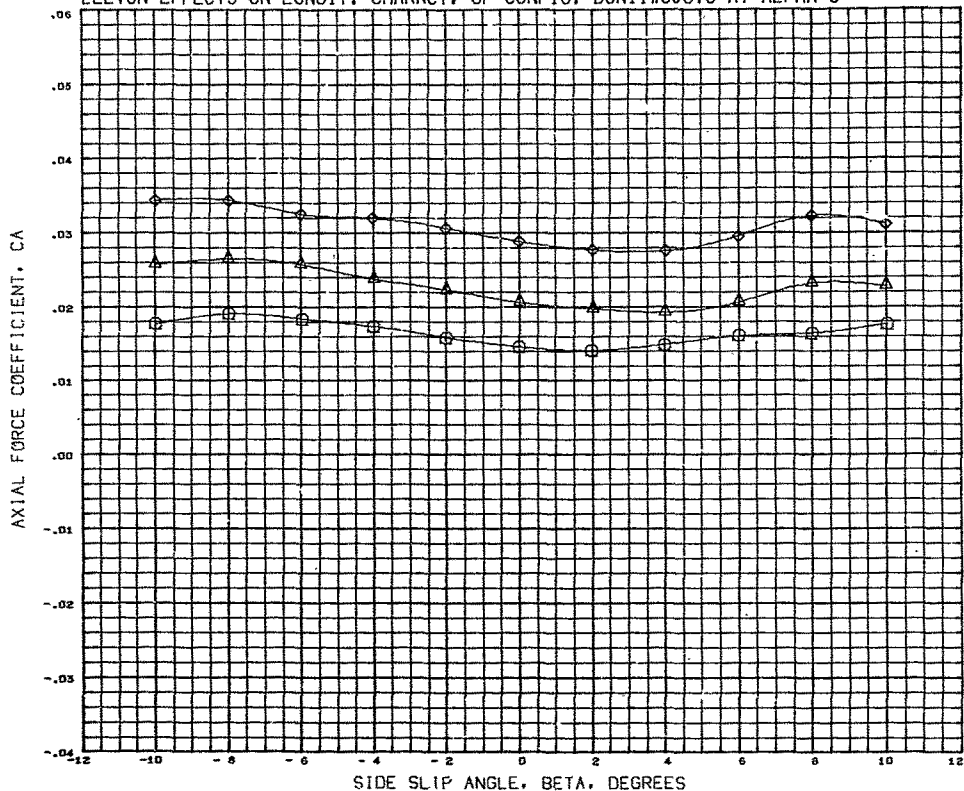
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ024)	◇	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ030)	△	MCAIR LSWT 258 3.0PCT MSA/C/MHC BOOST B3N11W5J6V9	6.000	0.000	20.000	0.000	LREF 6.0000 FT.
(BCZ036)	◊	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	5.000	30.000	0.000	BREF 6.0000 FT.
							XHRP 0.8575 REFL
							YMRP 0.5000 FT.
							ZMRP 0.0100 REFL
							SCALE 0.0300 SCALE

MACH 0.260

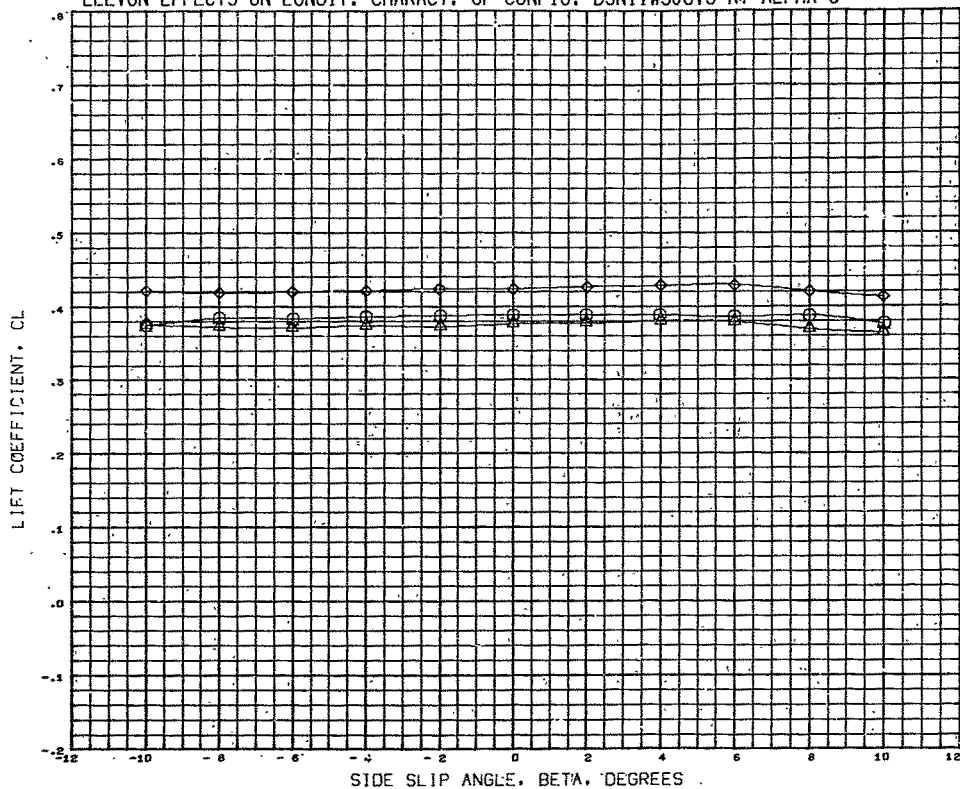
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ024)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	6.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZ030)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	6.000	0.000	20.000	0.000	LREF	6.0000 FT.
(BCZ036)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	6.000	5.000	30.000	0.000	BREF	5.0000 FT.
						XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

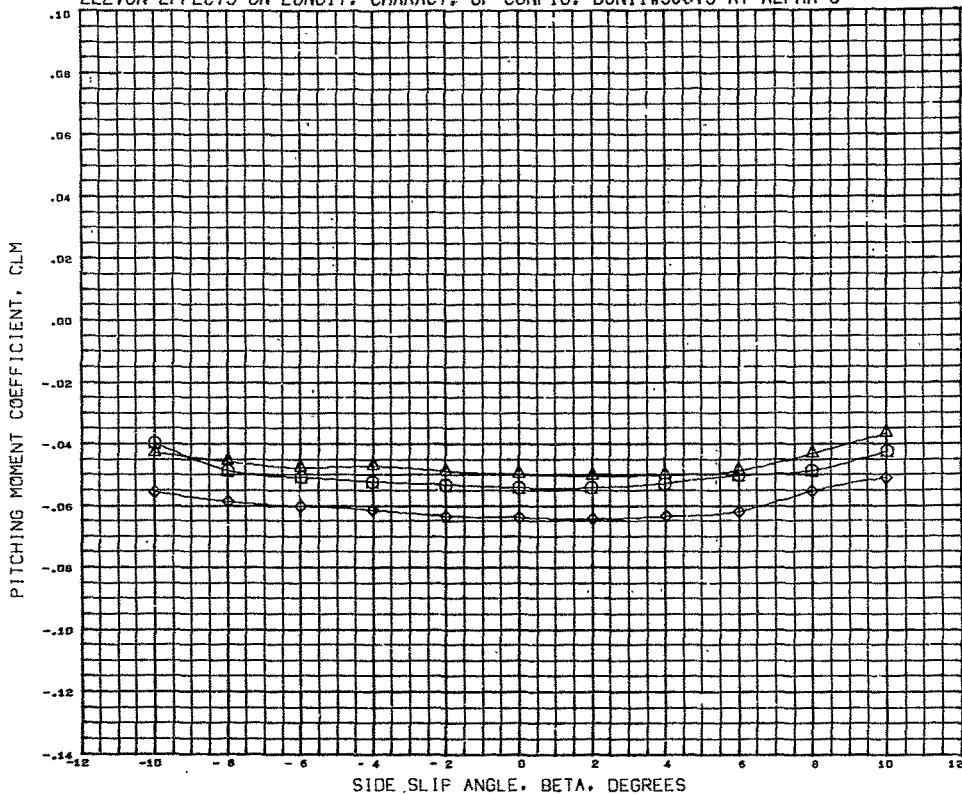
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(AC2024)	○	HCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	6.000	0.000	0.000	0.000	SREF 8.0000 SQ. FT
(AC2030)	△	HCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	6.000	0.000	20.000	0.000	LREF 8.0000 FT.
(AC2036)	◇	HCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	6.000	5.000	30.000	0.000	BREF 8.0000 FT.
							XMRP 0.8578 REFL
							YMRP 0.0000 FT.
							ZMRP 0.0100 REFL
							SCALE 0.0300 SCALE

MACH 0.260

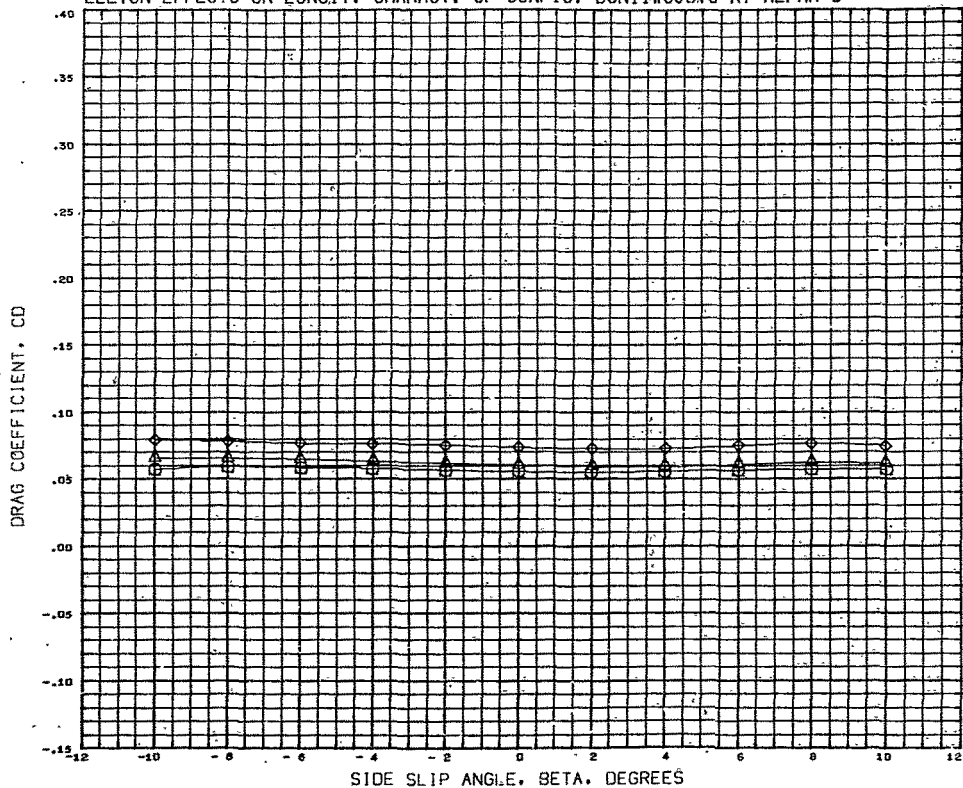
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(AC2024)	MCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	6.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(AC2030)	MCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	6.000	0.000	20.000	0.000	LREF	6.0000 FT.
(AC2036)	MCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	6.000	5.000	30.000	0.000	BREF	6.0000 FT.
						XMRP	0.8875 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

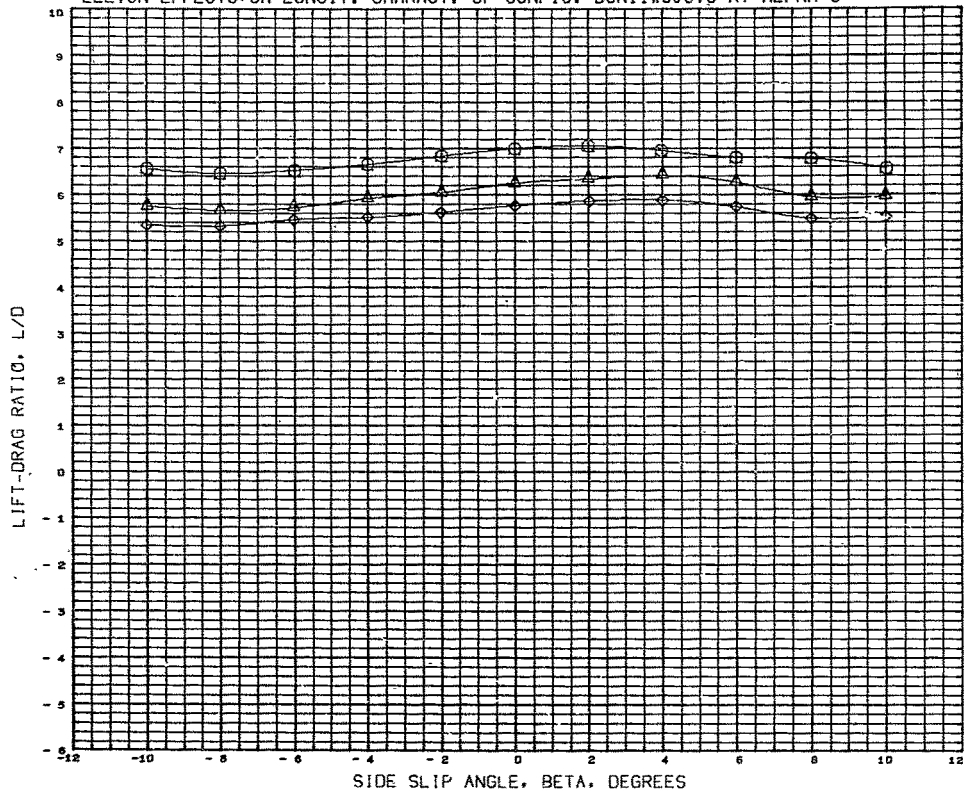
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(AC2024)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(AC2025)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	20.900	0.000	LREF	6.0000 FT.
(AC2036)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	5.000	30.000	0.000	BREF	-6.0000 FT.
						WHRP	0.8575 REFL 1
						YMRP	0.3000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

1 MACH 0.260

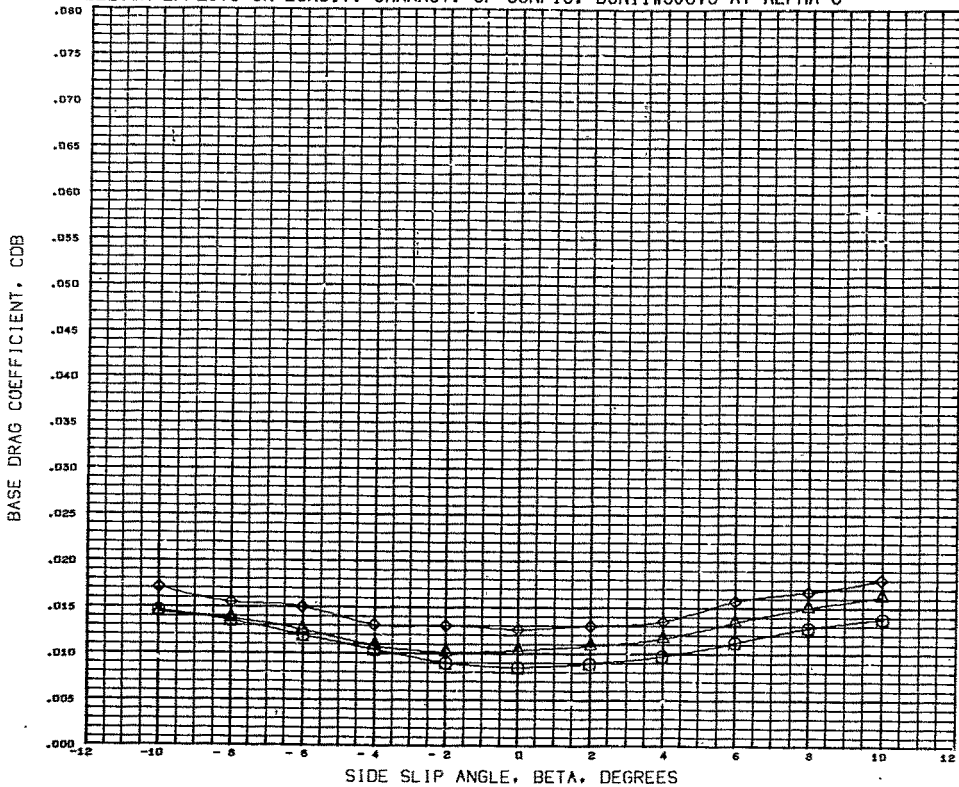
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION
(ACZ024)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	6.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(ACZ030)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	6.000	0.000	20.000	0.000	LREF	6.0000 FT.
(ACZ036)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	6.000	5.000	30.000	0.000	BREF	5.0000 FT.
						YMRP	0.0375 REFL
						ZMRP	0.0000 FT.
						SCALE	0.0100 REFL
							0.0300 SCALE

MACH 0.260

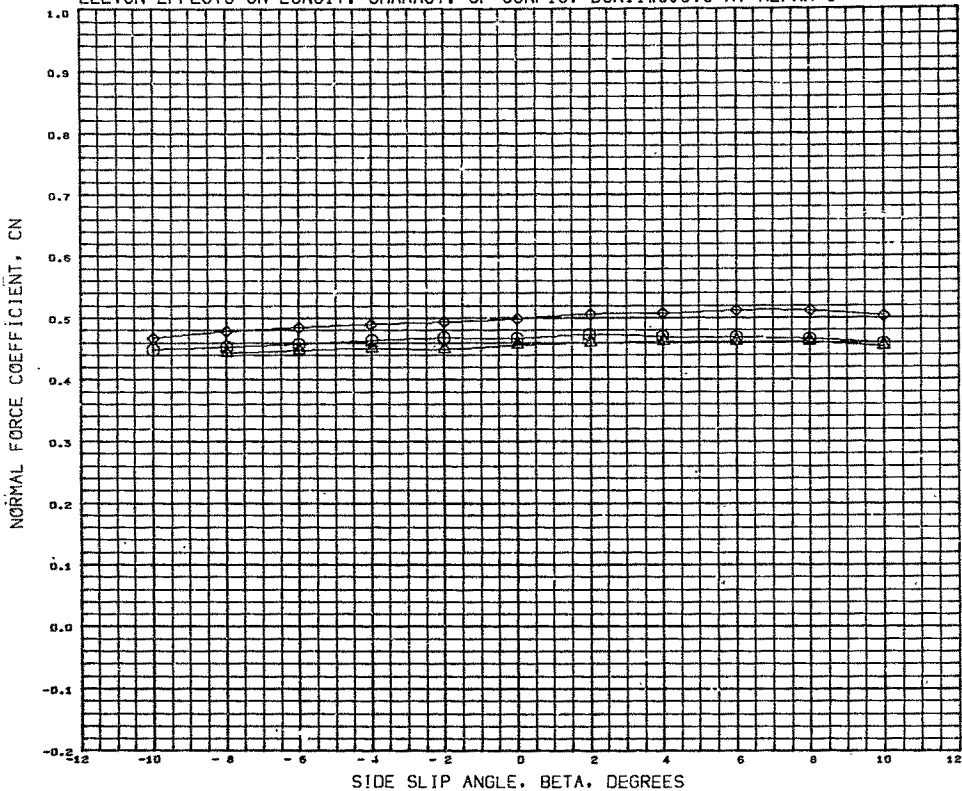
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(AC2024)	MCAIR LSMT 258 3.0PCT HDAC/MNC BOOST B3N11W5J6V9	6.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(AC2035)	MCAIR LSMT 258 3.0PCT HDAC/MNC BOOST B3N11W5J6V9	6.000	0.000	20.000	0.000	LREF	6.0000 FT.
(AC2036)	MCAIR LSMT 258 3.0PCT HDAC/MNC BOOST B3N11W5J6V9	6.000	5.000	30.000	0.000	RREF	5.0000 FT.
						XWRP	0.0975 REFL
						YWRP	0.0000 FT.
						ZWRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=8



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BCZ025) MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9
 (BCZ031) MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9
 (BCZ037) MCAIR LSWT 258 3.0PCT ADAC/MHC BOOST B3N11W5J6V9

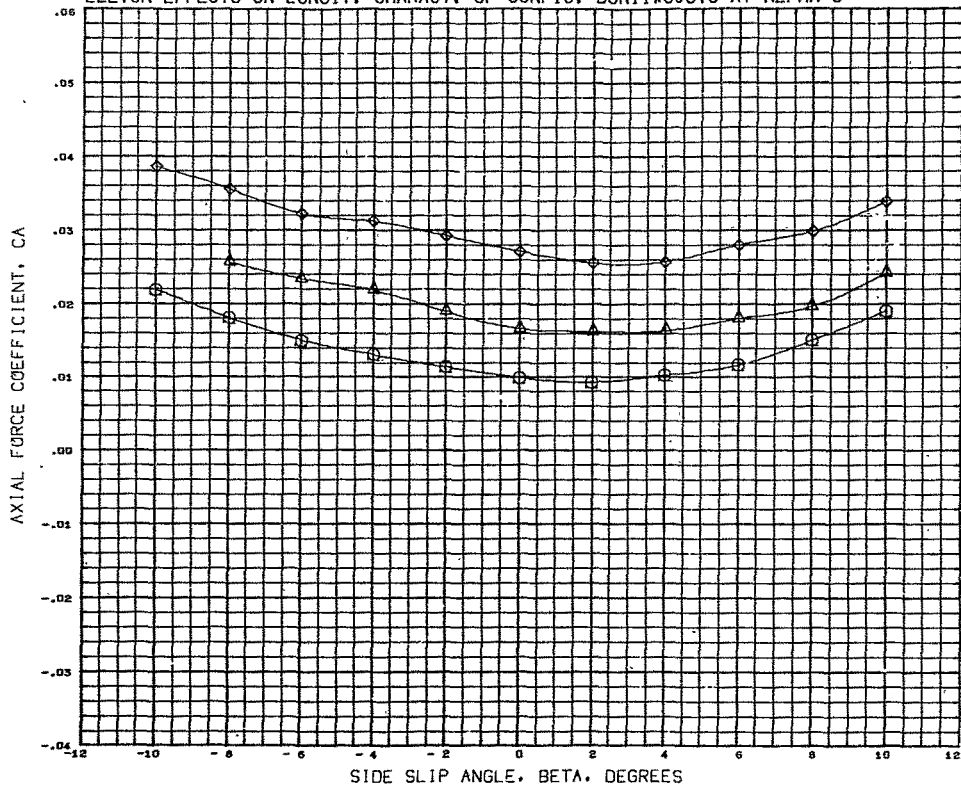
ALPHA	ELEVON	AILRON	RUDDER
8.000	0.000	0.000	0.000
8.000	0.000	20.000	0.000
8.000	5.000	30.000	0.000

REFERENCE INFORMATION

SREF	9.0000	S9. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
YMRP	0.8875	REFL
YMRP	0.0000	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.200

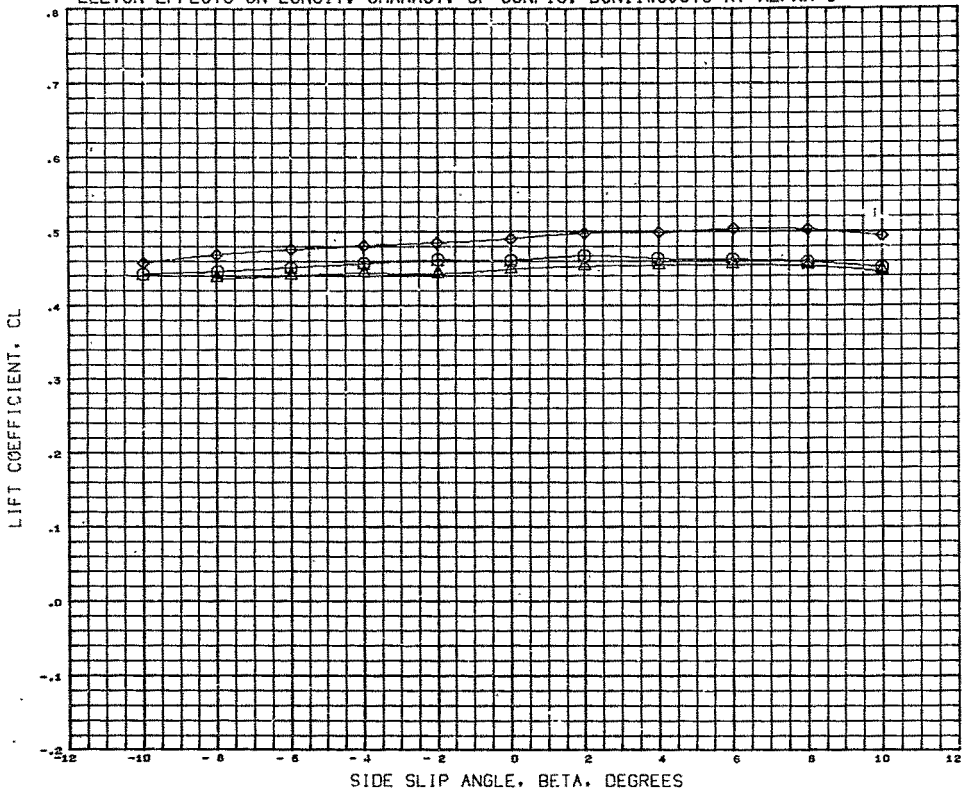
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=8



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ025)	○	MCAIR LSWT 258 3.0PCT MDAC/MHC BCOST B3N11W5J6V9	8.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ031)	△	MCAIR LSWT 258 3.0PCT MDAC/MHC BCOST B3N11W5J6V9	8.000	0.000	20.000	0.000	LREF 6.0000 FT.
(BCZ037)	◇	MCAIR LSWT 258 3.0PCT MDAC/MHC BCOST B3N11W5J6V9	8.000	5.000	30.000	0.000	SREF 6.0000 FT.
							XWRP 0.8575 REFL
							YWRP 0.0000 FT.
							ZWRP 0.0100 REFL
							SCALE 0.0300 SCALE

MACH 0.260

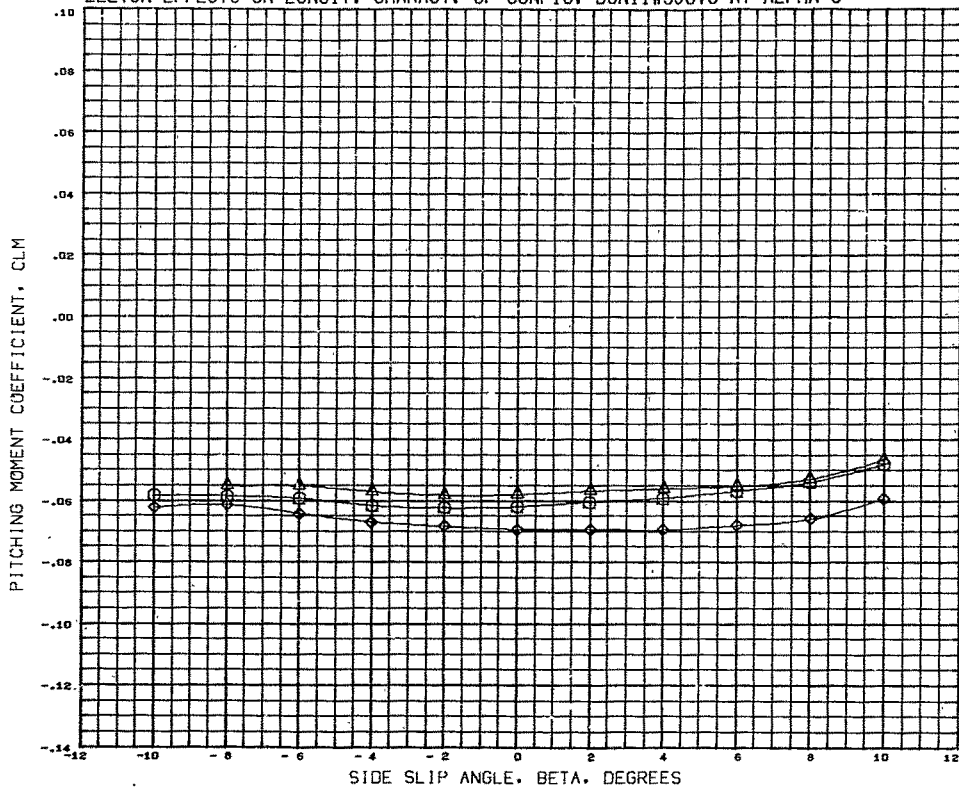
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=8



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ025)	MCAR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	8.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(ACZ031)	MCAR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	8.000	0.000	20.000	0.000	LREF 6.0000 FT.
(ACZ037)	MCAR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	8.000	5.000	30.000	0.000	BREF 6.0000 FT.
						XMRP 0.0575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

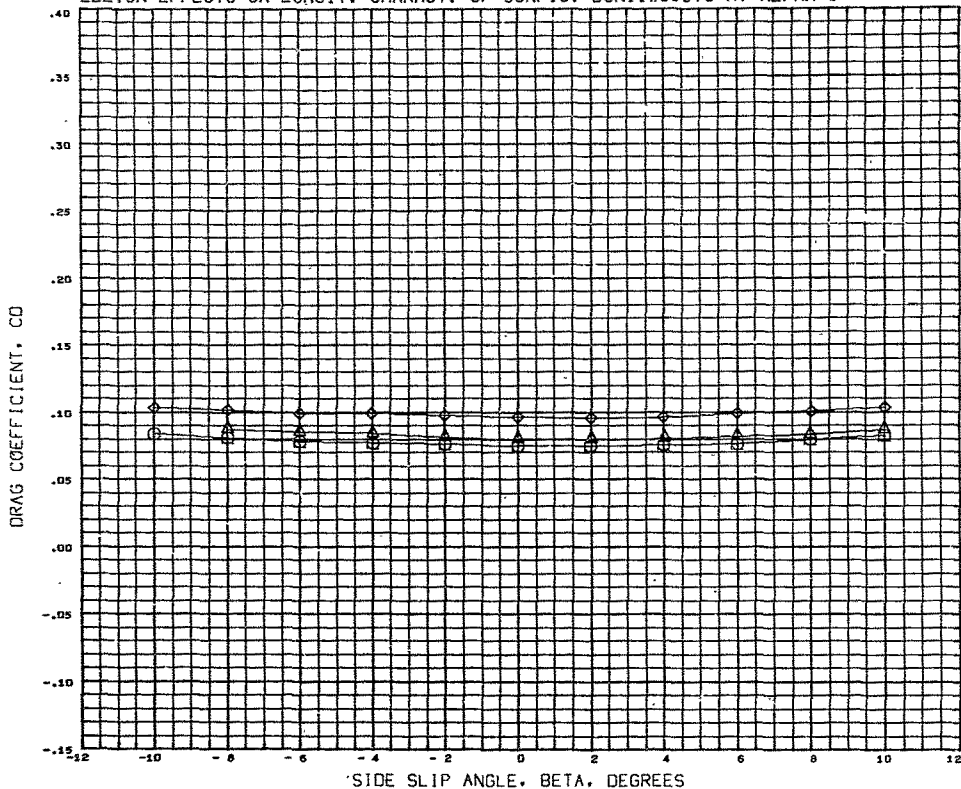
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=8



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ025)	MC41R LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(ACZ031)	MC41R LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	20.000	0.000	LREF	6.0000 FT.
(ACZ037)	MC41R LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	5.000	30.000	0.000	BREF	5.0000 FT.
						XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

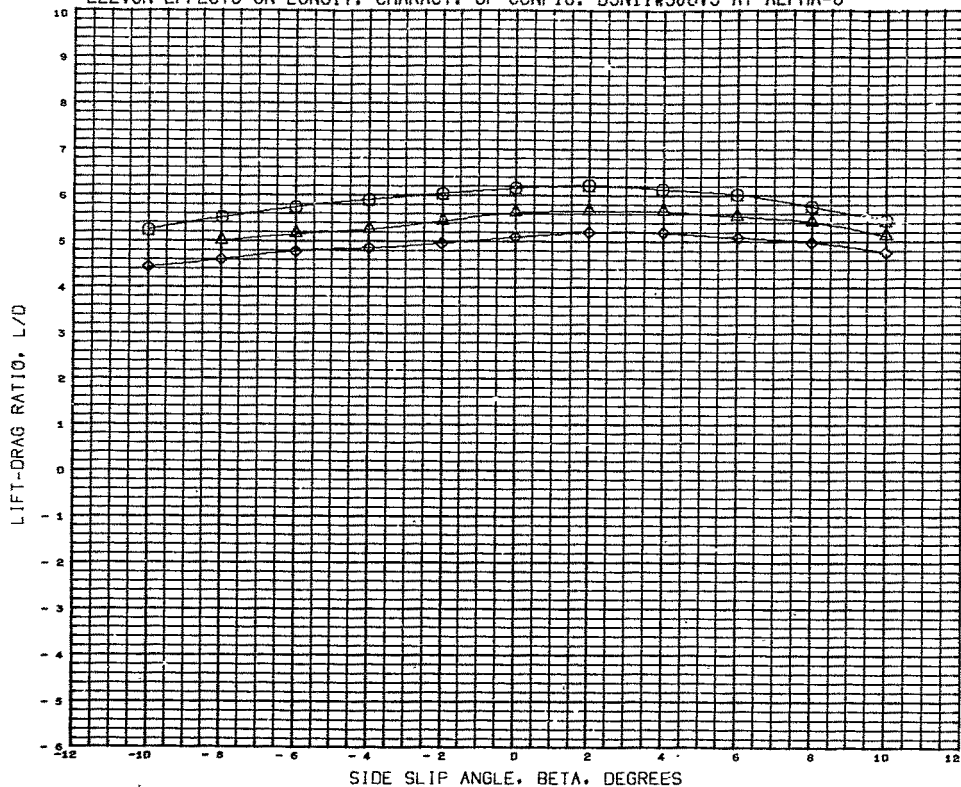
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=8



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(AC2025)	MCATR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	8.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(AC2031)	MCATR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	8.000	0.000	20.000	0.000	LREF	6.0000 FT.
(AC2037)	MCATR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	8.000	5.000	30.000	0.000	BREF	6.0000 FT.
						XMRP	0.0575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

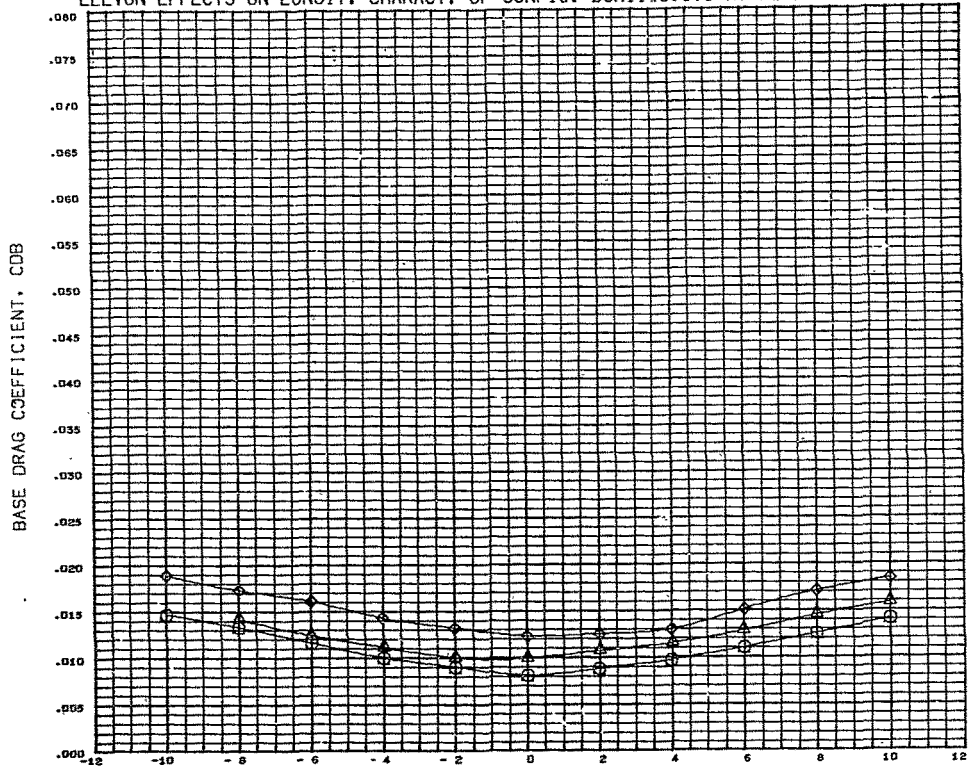
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=8



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ025)	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(ACZ031)	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	20.000	0.000	LREF 6.0000 FT.
(ACZ037)	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	8.000	5.000	30.000	0.000	BREF 6.0000 FT.
						XNRP 0.8575 REFL
						YNRP 0.0000 FT.
						ZNRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.360

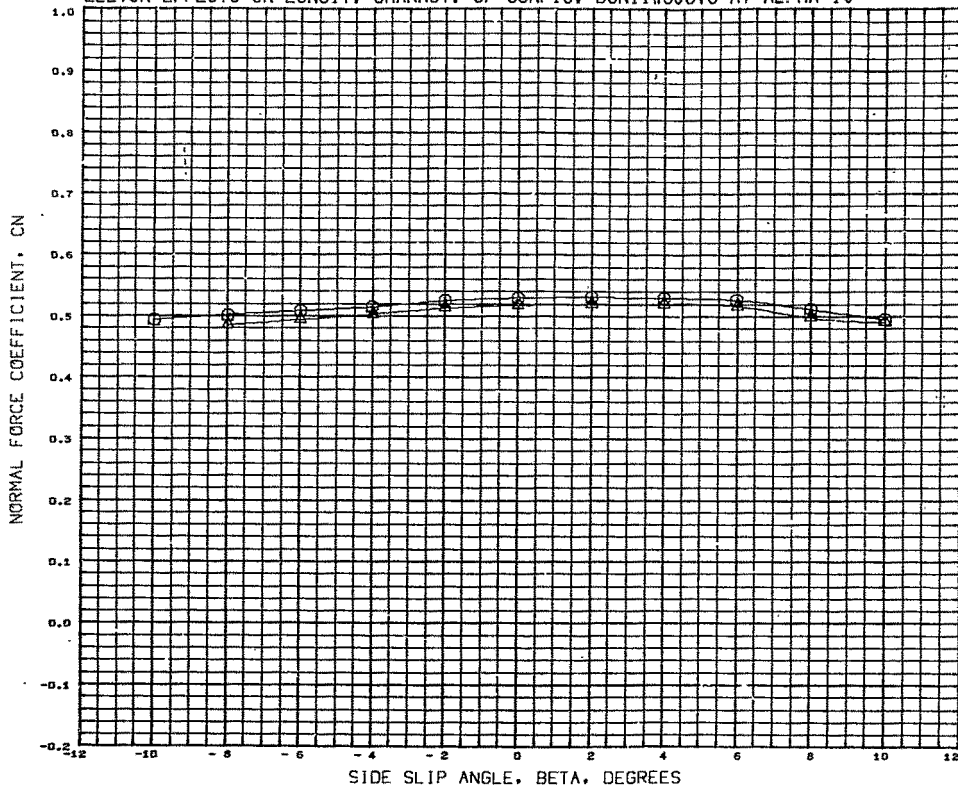
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=8



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(AC2025)	MCAIR LSWT 258 3.0PCT NDAC/NMC BOOST B3N11W5J6V9	8.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(AC2031)	MCAIR LSWT 258 3.0PCT NDAC/NMC BOOST B3N11W5J6V9	8.000	0.000	20.000	0.000	LREF	6.0000 FT.
(AC2037)	MCAIR LSWT 258 3.0PCT NDAC/NMC BOOST B3N11W5J6V9	8.000	5.000	30.000	0.000	BREF	6.0000 FT.
						XNRP	0.0575 REFL
						YNRP	0.0000 FT.
						ZNRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.265

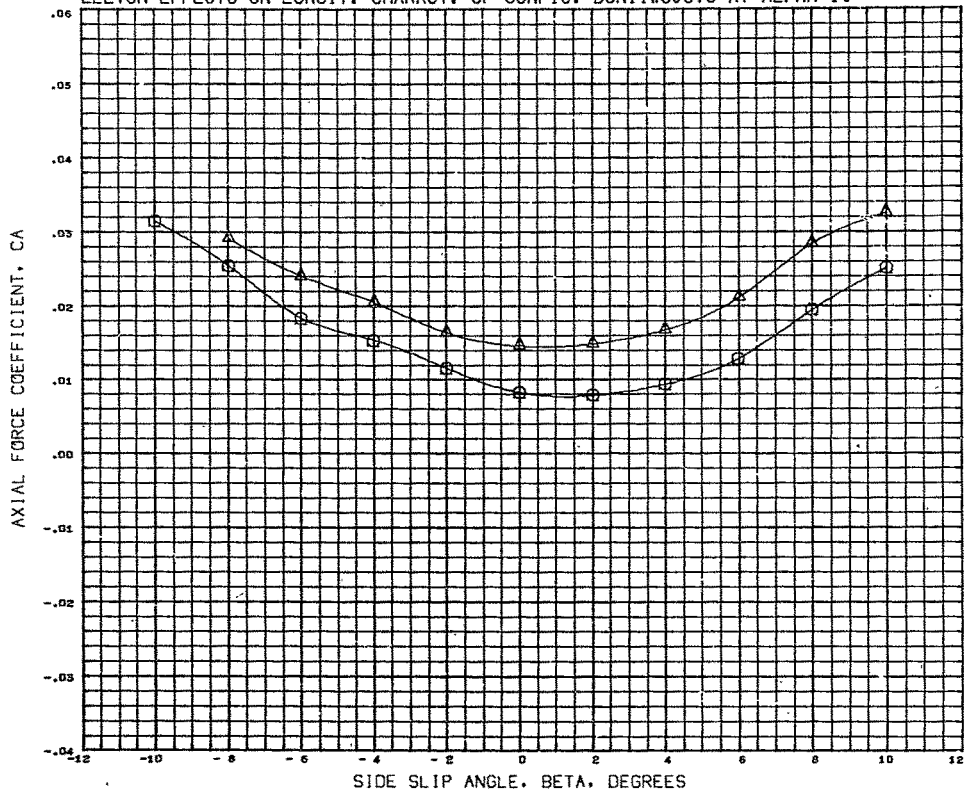
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BC2026)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BC2032)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	0.000	20.000	0.000	LREF 6.0000 FT.
						BREF 6.0000 FT.
						XMRP 0.8575 REFL
						YMRP 0.3000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

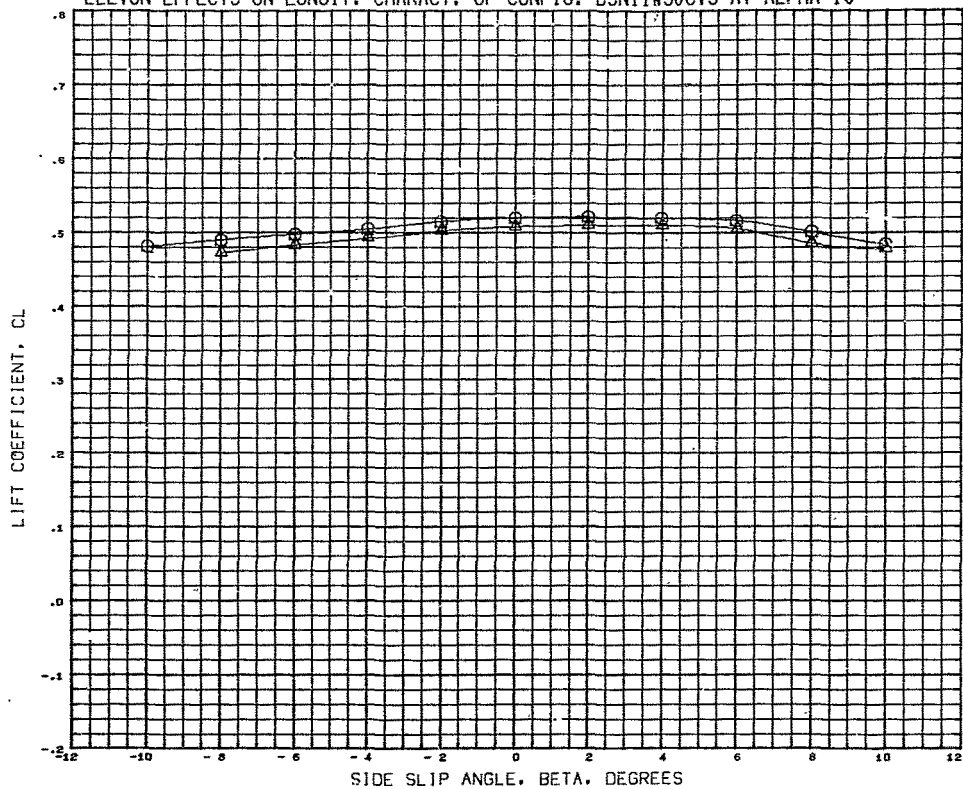
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION
(BC2026)	MCAR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BC2032)	MCAR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	6.0000 FT.
						XMRP	0.6575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0000 SCALE

MACH 0.260

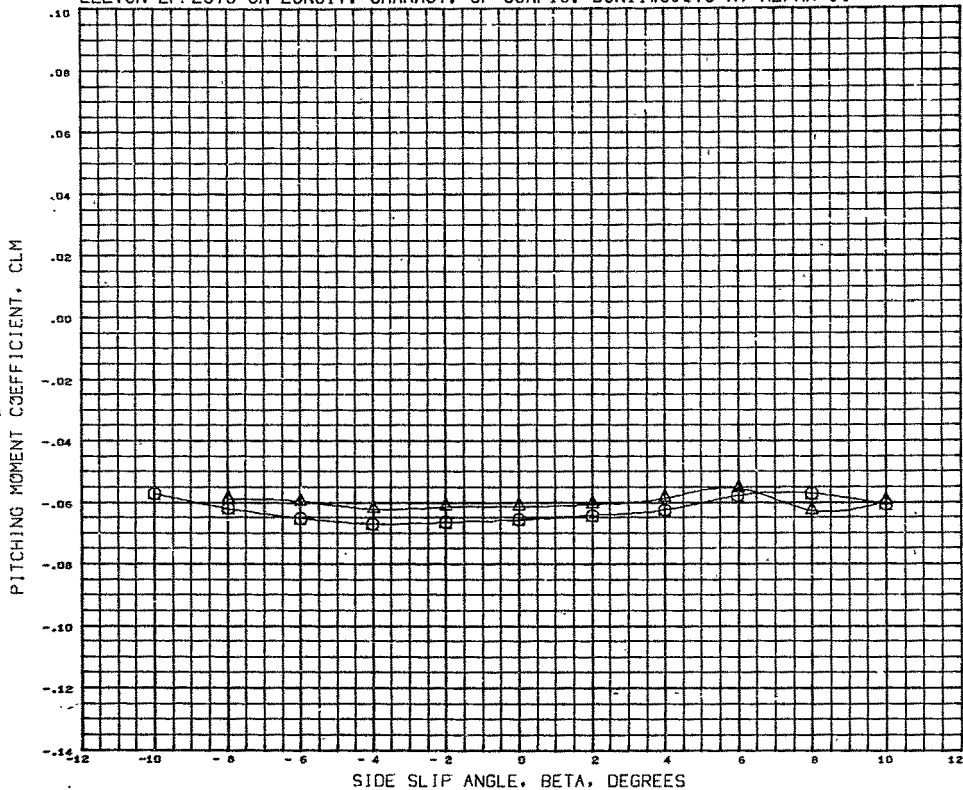
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(AC2026)	MCATR LSMT 298 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(AC2032)	MCATR LSMT 298 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	6.0024 FT.
						WRRP	0.6575 REFL
						YWRP	0.0000 FT.
						ZWRP	0.0100 NEFL
						SCALE	0.0300 SCALE

MACH 0.260

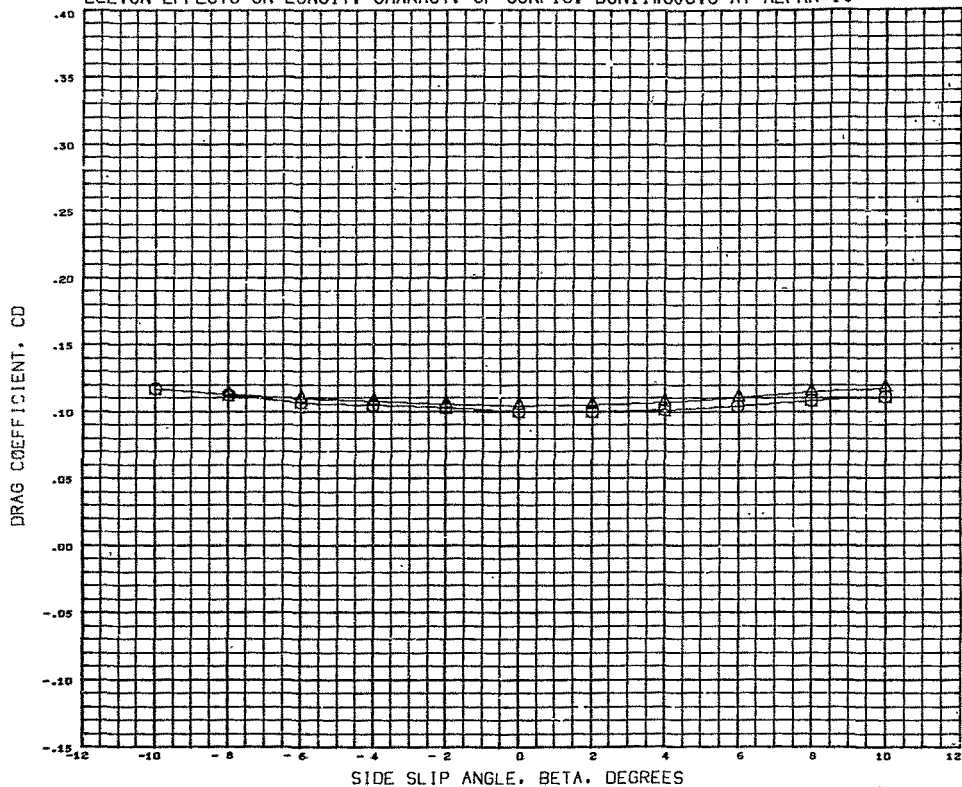
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ026)	MCAIR LSMT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6V9	10.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(ACZ032)	MCAIR LSMT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6V9	10.000	0.000	20.000	0.000	LREF 6.0000 FT.
						BREF 4.0000 FT.
						YMRP 0.9575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

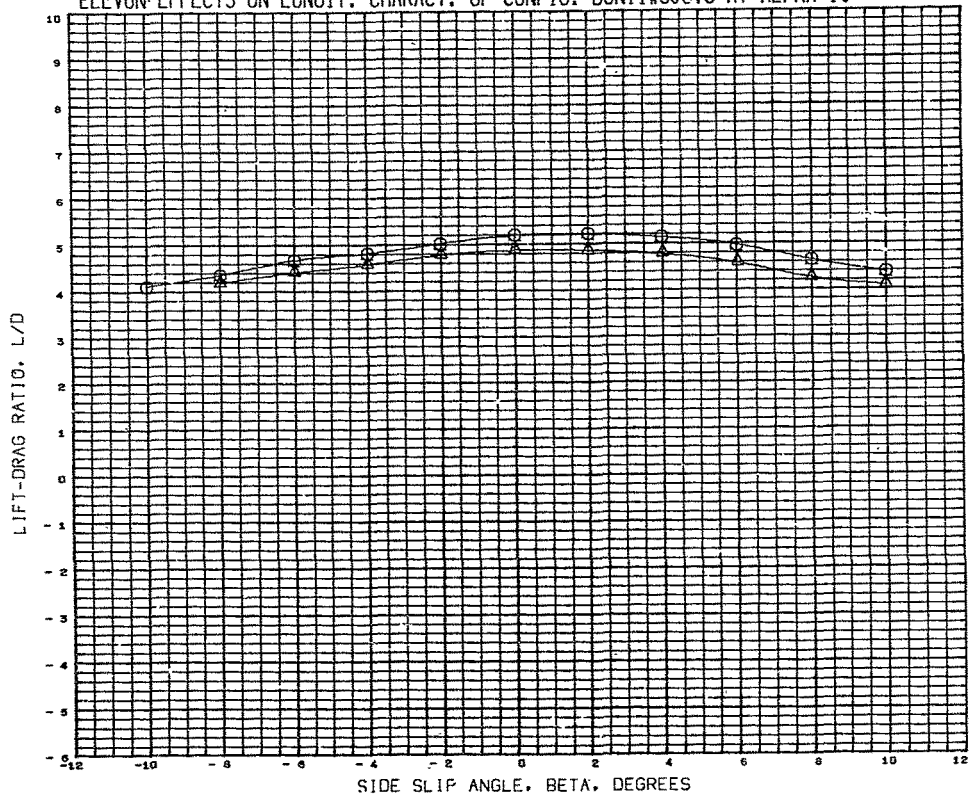
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(AC2026)	Q MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(AC2032)	A MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	0.000	20.000	0.000	LREF 6.0000 FT.
						BREF 6.0000 FT.
						XMRP 0.8578 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0200 REFL
						SCALE 0.0300 SCALE

MACH 0.260

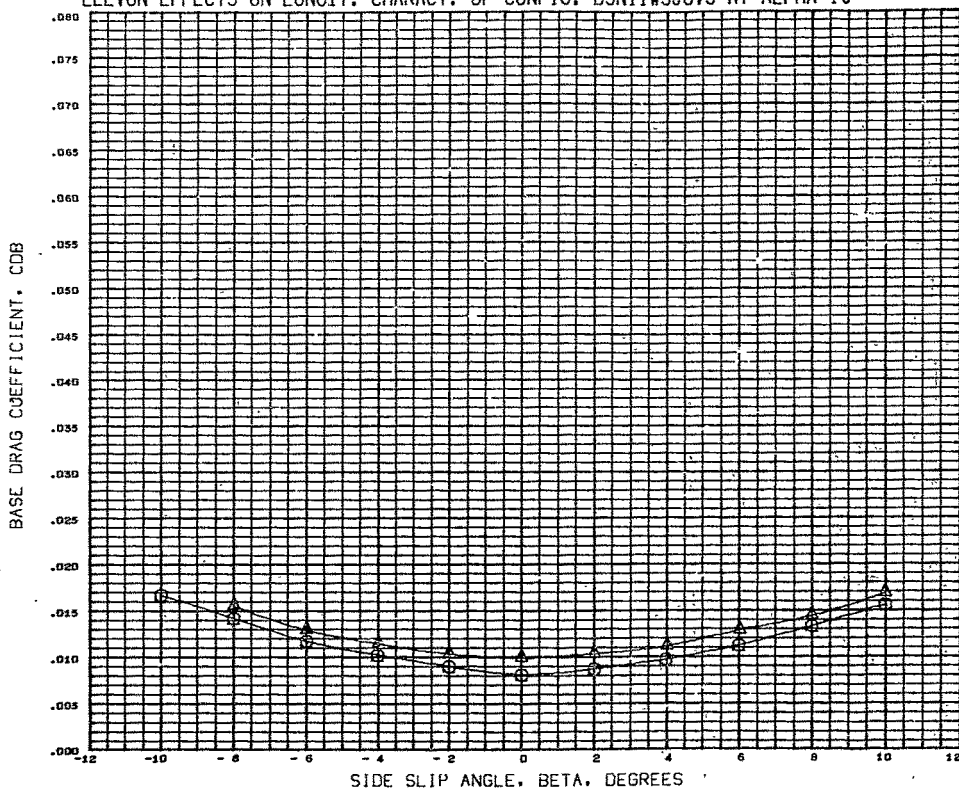
ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(AC2026)	MCAR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(AC2032)	MCAR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	4.0000 FT.
						XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.286

ELEVON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10

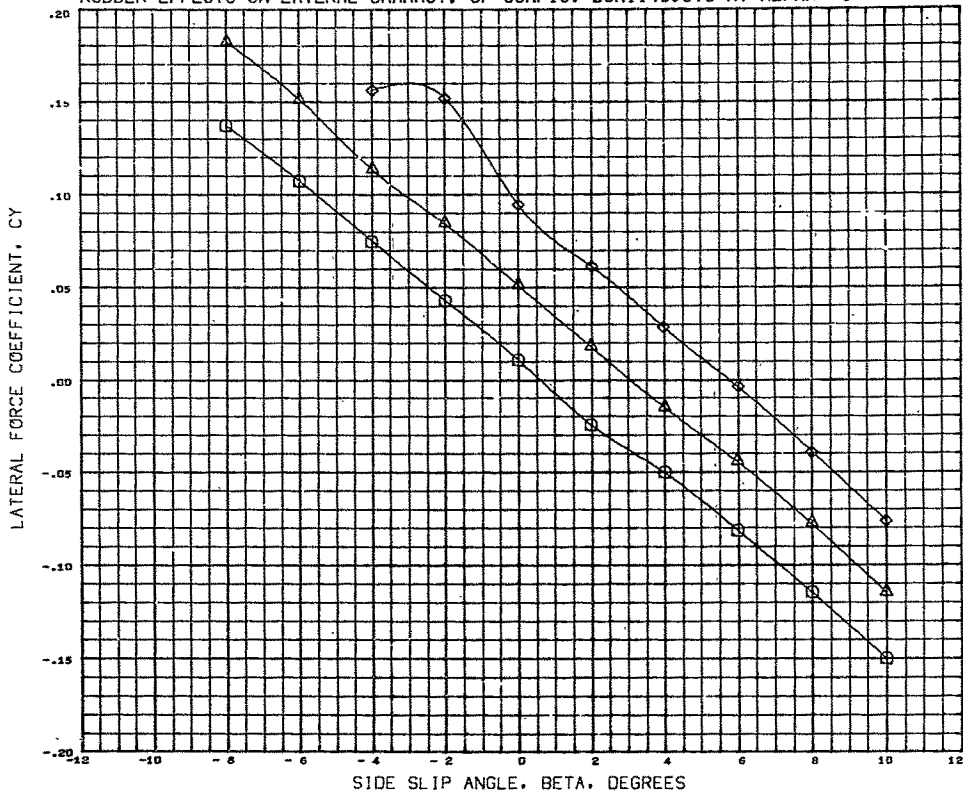


DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (AC2026) Q MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (AC2032) A MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
10.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
10.000	0.000	20.000	0.000	LREF 6.0000 FT.
				BREF 5.0000 FT.
				XMRP 0.8575 REFL
				YNRP 0.0000 FT.
				ZMRP 0.0100 REFL
				SCALE 0.0300 SCALE

MACH 0.260

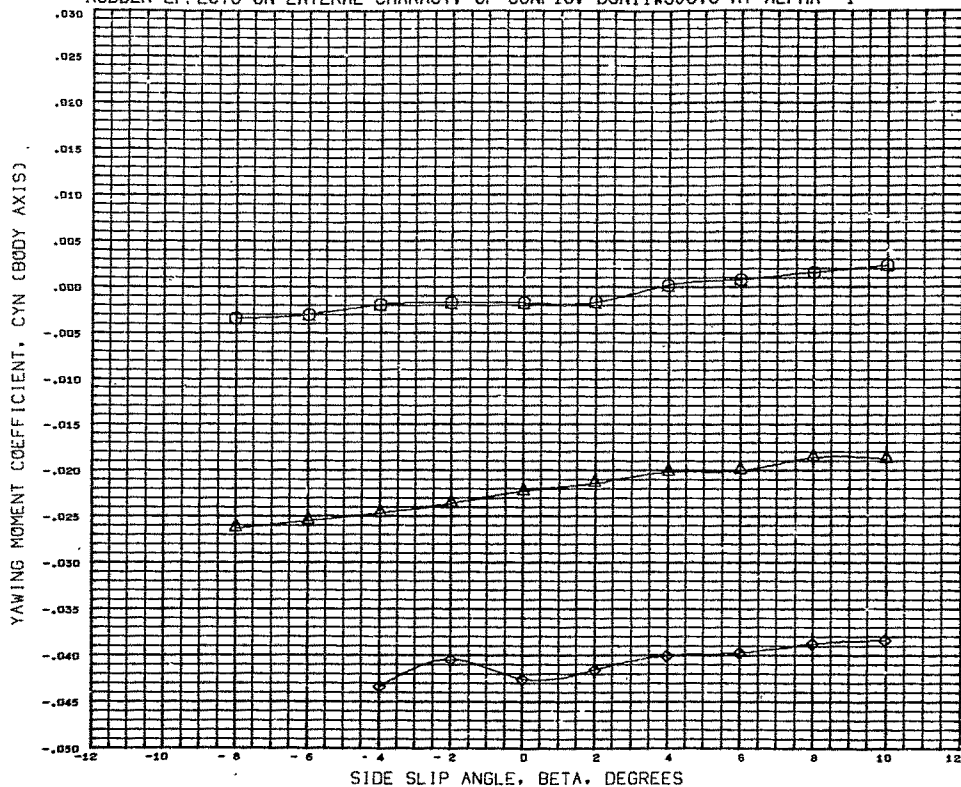
RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ021)	MCAIR LSWT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6V9	-4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZ045)	MCAIR LSWT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6V9	-4.000	0.000	0.000	10.000	LREF	6.0000 FT. .
(BCZ051)	MCAIR LSWT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6V9	-4.000	0.000	0.000	20.000	BREF	6.0000 FT. .
						XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

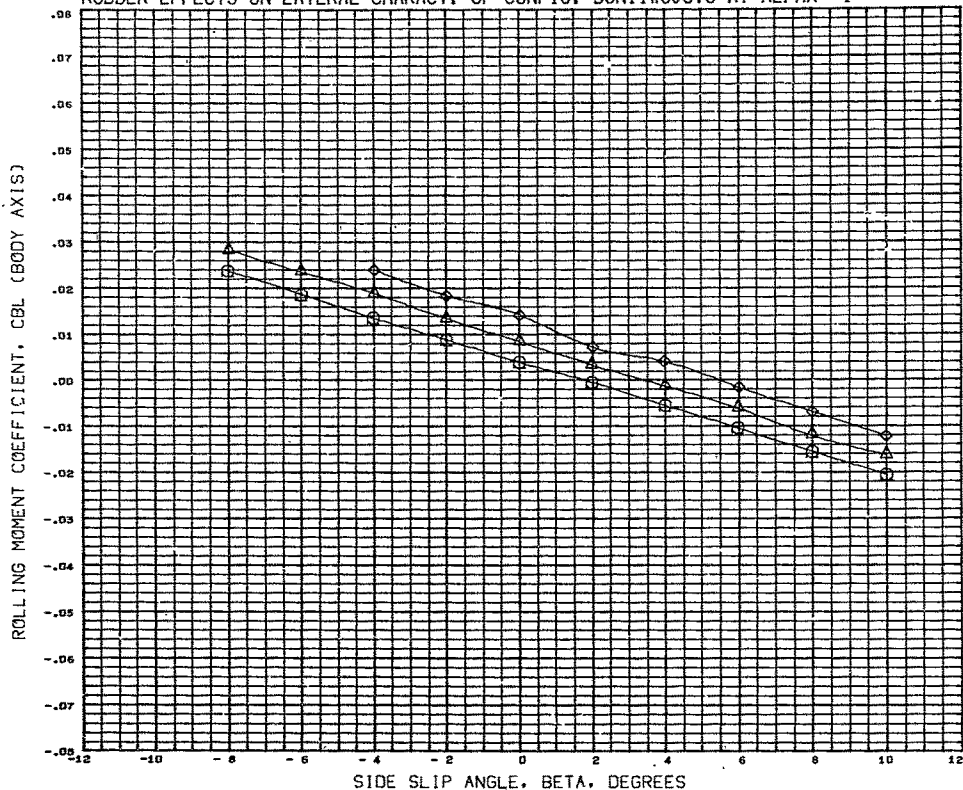
RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ045)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ045)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	10.000	LREF 6.0000 FT.
(BCZ051)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	20.000	BREF 6.0000 FT.
						XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

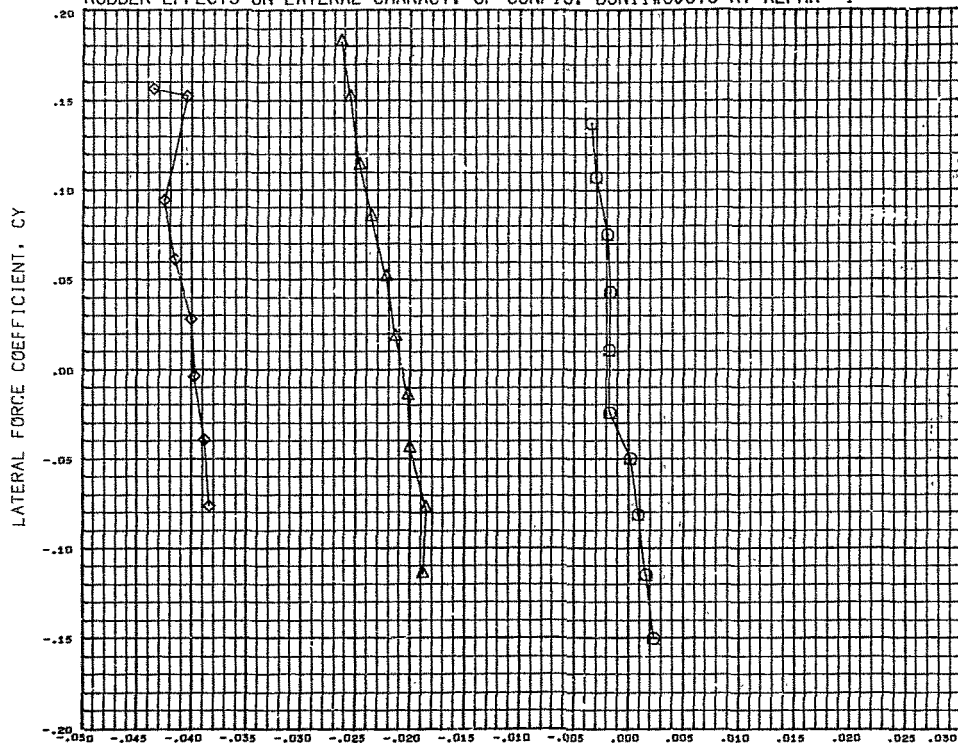
RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ021)	MCATR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	-4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ045)	MCATR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	-4.000	0.000	0.000	10.000	LREF 6.0000 FT.
(BCZ051)	MCATR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	-4.000	0.000	0.000	20.000	BREF 6.0000 FT.
						XMRP 0.6575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4

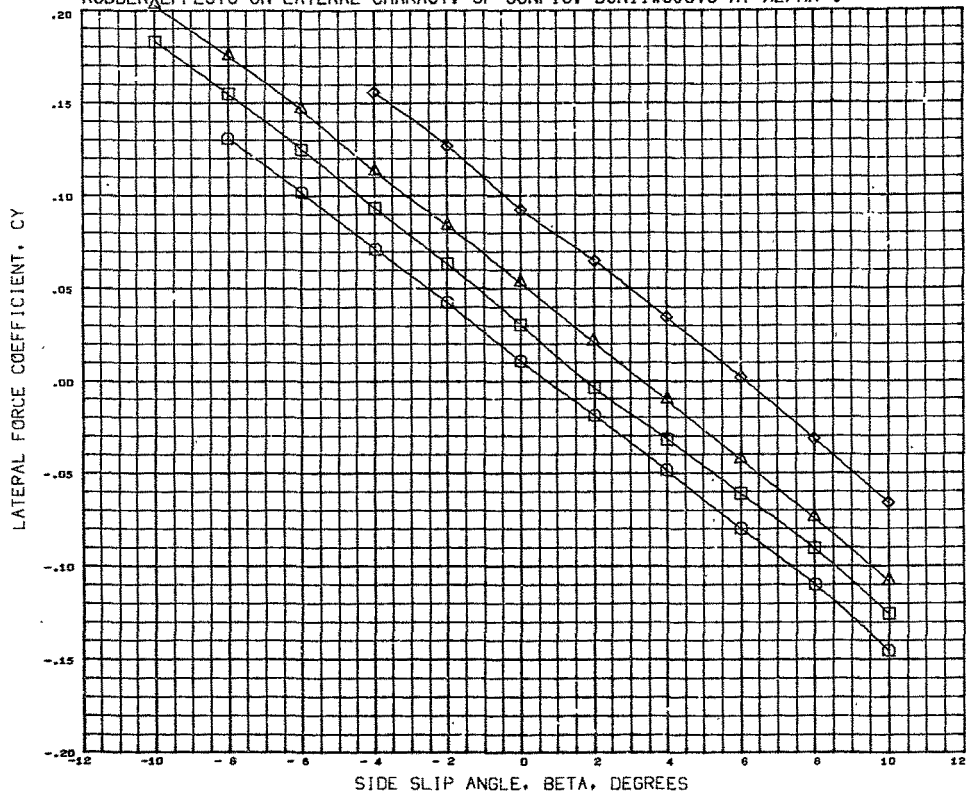


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILERON	RUDDER	REFERENCE INFORMATION
(BC2051)	○	MCAIR LSMT 258 3.0PCT WDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	0.000	SREF 9.0000 SG. FT
(BC2045)	△	MCAIR LSMT 258 3.0PCT WDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	10.000	LREF 6.0000 FT.
(BC2051)	◇	MCAIR LSMT 258 3.0PCT WDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	20.000	SREF 6.0000 FT.
							XNRP 0.8575 REFL
							YNRP 0.0000 FT.
							ZNRP 0.0100 REFL
							SCALE 0.0300 SCALE

MACH 0.250

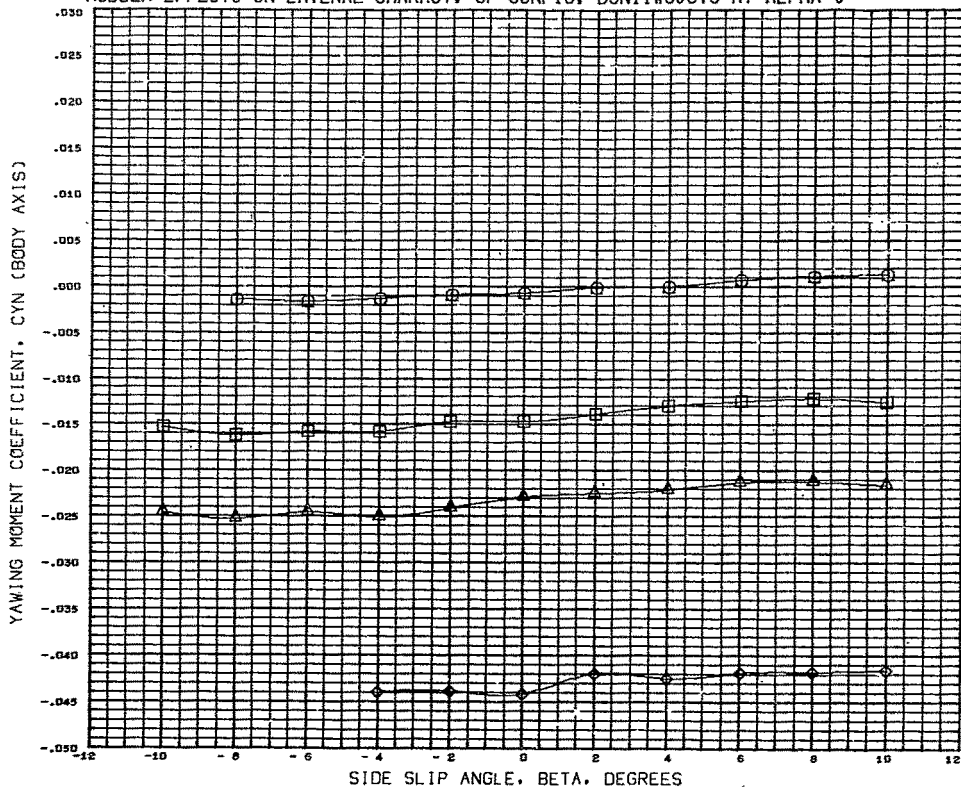
RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDD6	RUDD8	REFERENCE INFORMATION
(BCZ022)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	0.000	0.000			SREF 9.0000 SQ. FT
(BCZ046)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	0.000	10.000			LREF 6.0000 FT.
(BCZ052)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	0.000	20.000			RREF 6.0000 FT.
(BCZ072)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	0.000		10.000	0.000	XNRP 0.8575 REFL
						YNRP 0.0000 FT.
						ZNRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

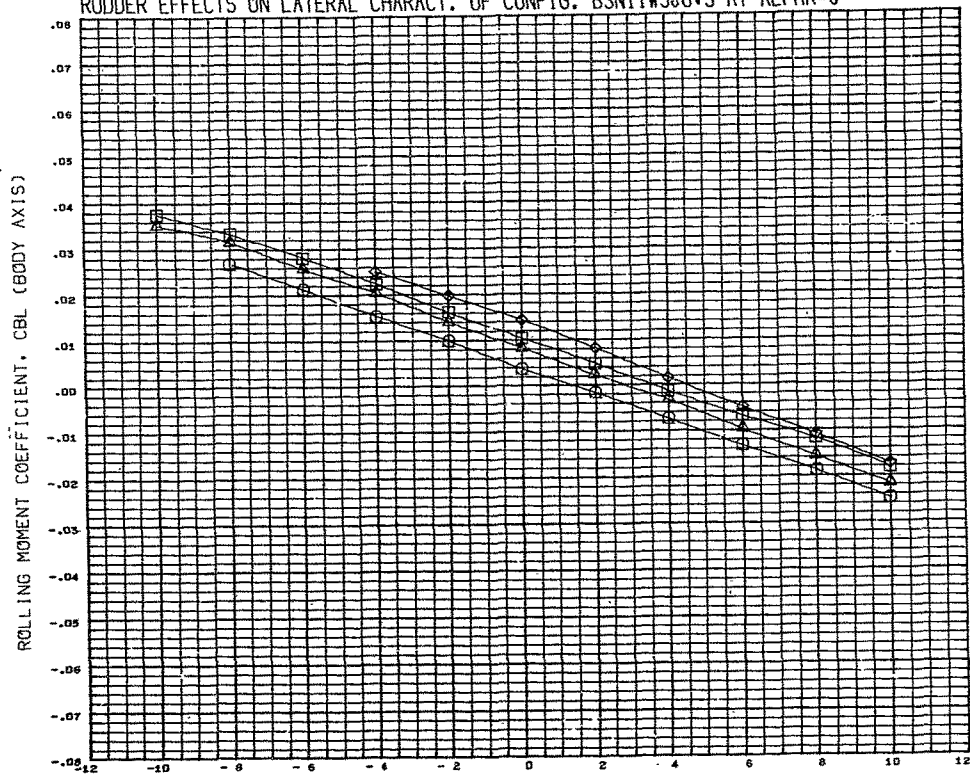
RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDD6	RUDD8	REFERENCE INFORMATION
(BC2022)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	0.000			SREF 9.0000 SQ. FT
(BC2046)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	10.000			LREF 6.0000 FT.
(BC2052)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	20.000			BREF 6.0000 FT.
(BC2072)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000		10.000	0.000	XWRP 0.8575 REFL
						YWRP 0.6000 FT.
						ZWRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

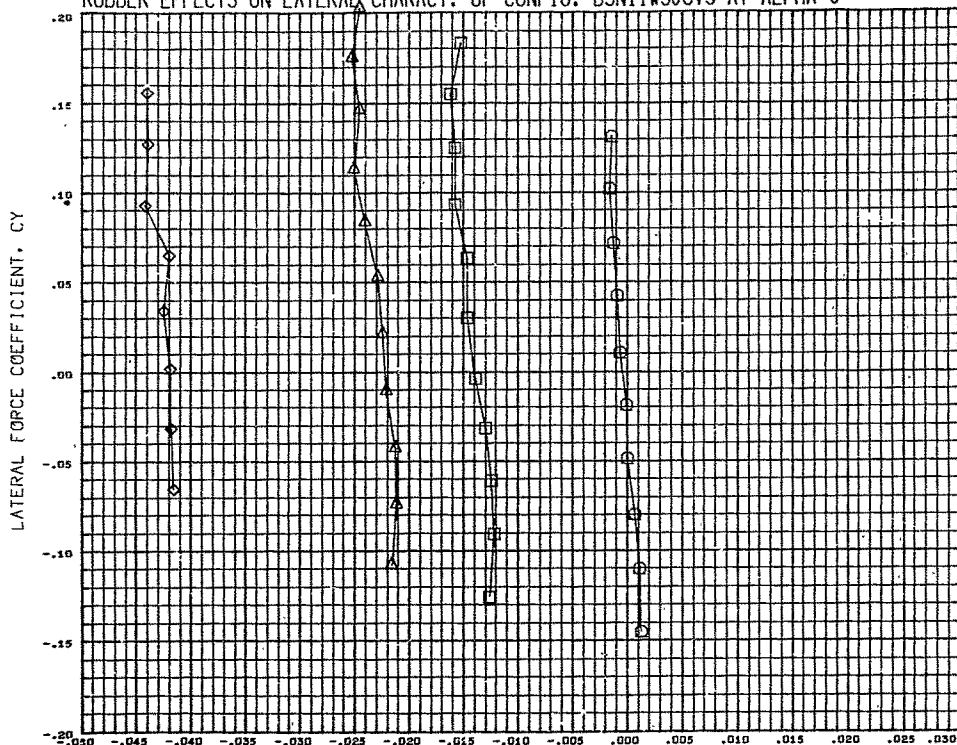
RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDD6	RUDD8	REFERENCE INFORMATION
(BC2022)	MCAIR LSWT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6V9	0.000	0.000			SREF 9.0000 SQ. FT
(BC2046)	MCAIR LSWT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6V9	0.000	10.000			LREF 6.0000 FT.
(BC2052)	MCAIR LSWT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6V9	0.000	20.000			BREF 6.0000 FT.
(BC2072)	MCAIR LSWT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6V9	0.000		10.000	0.000	YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.250

RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0

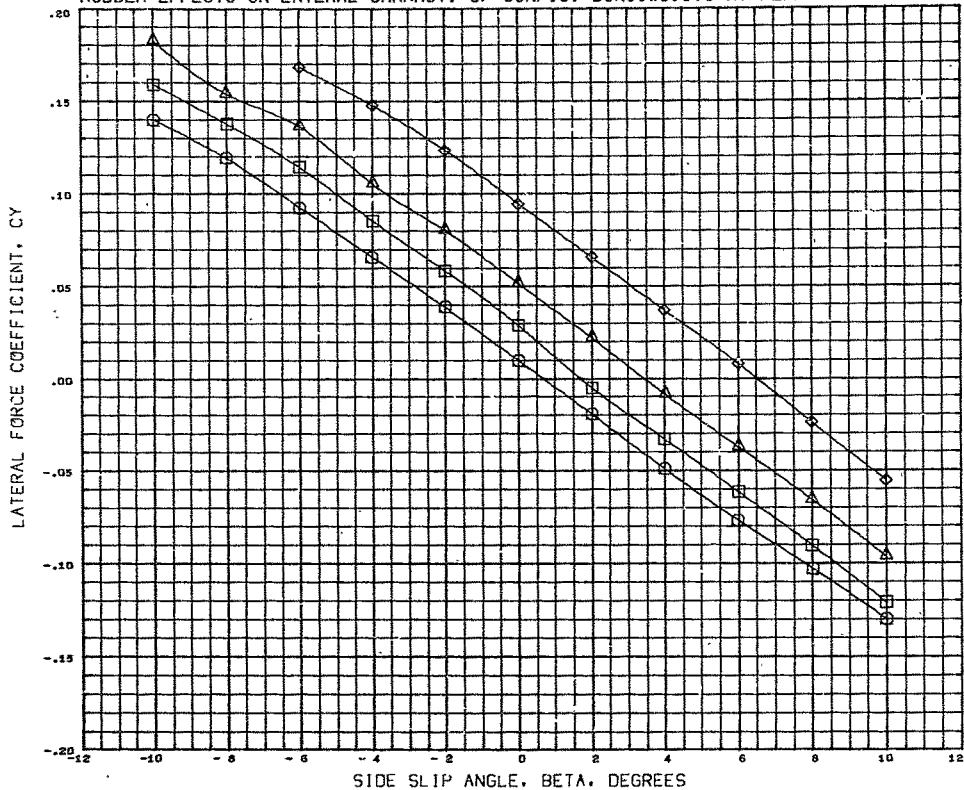


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDD6	RUDD8	REFERENCE INFORMATION
(BC2022)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000			SREF 9.0000 SQ. FT
(BC2046)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	10.000			LREF 6.0000 FT.
(BC2052)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	20.000			BREF 6.0000 FT.
(BC2072)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000		10.000	0.000	XMRP 0.0575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE INFORMATION
(BCZ023)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	4.000	0.000			BREF 9.0000 30. FT
(BCZ047)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	4.000	10.000			LREF 6.0000 FT.
(BCZ053)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	4.000	20.000			BREF 5.0000 FT.
(BCZ073)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	4.000		10.000	0.000	XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.266

RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BC2025) ○ MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (BC2047) □ MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (BC2053) △ MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (BC2073) ◇ MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9

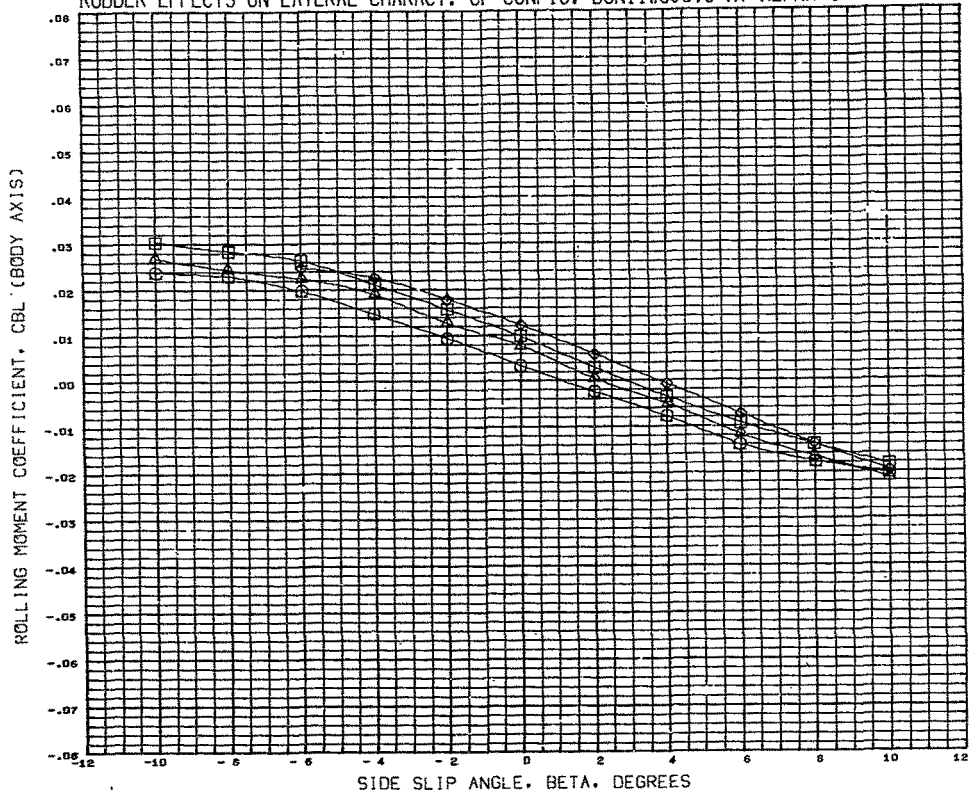
ALPHA	RUDDER	RUDD6	RUDD8
4.000	0.000		
4.000	10.000		
4.000	20.000		
4.000		10.000	0.000

REFERENCE INFORMATION

SREF	9.0000	SQ. FT
LREF	6.0000	FT.
OREF	3.0000	FT.
XMRP	0.9575	REFL.
YMRP	0.0000	FT.
ZMRP	0.0100	REFL.
SCALE	0.0300	SCALE

MACH 0.260

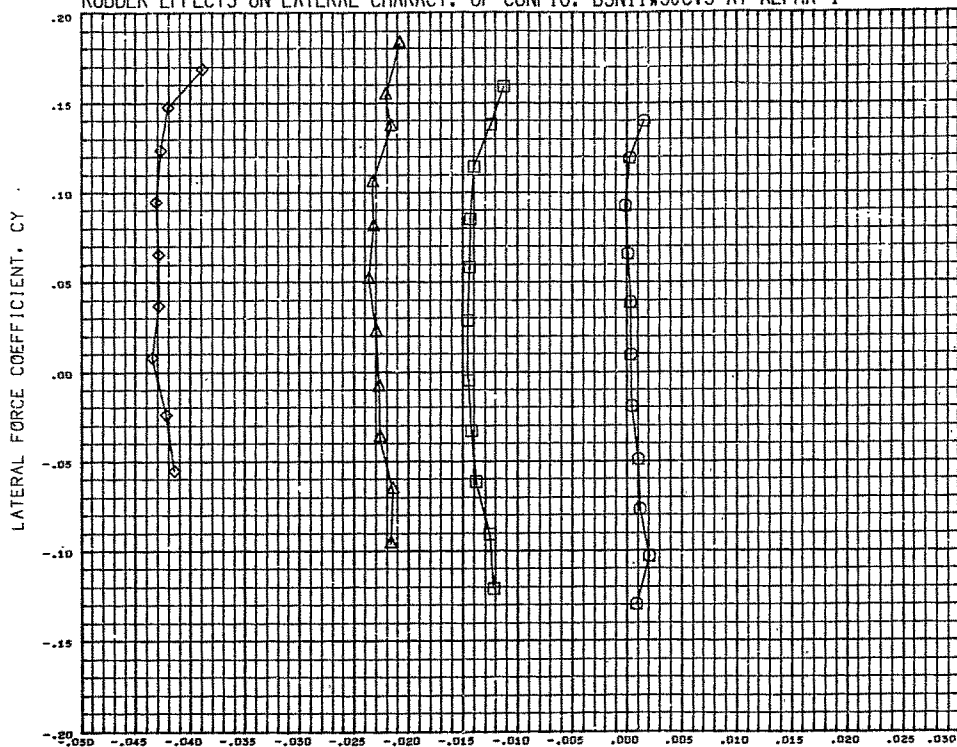
RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE INFORMATION
(BC2029)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000			SREF 9.0000 SB. FT
(BC2047)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	10.000			LREF 6.0000 FT.
(BC2053)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	20.000			BREF 6.0000 FT.
(BC2073)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000		10.000	0.000	XMRP 0.0075 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH- 0.260

RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4

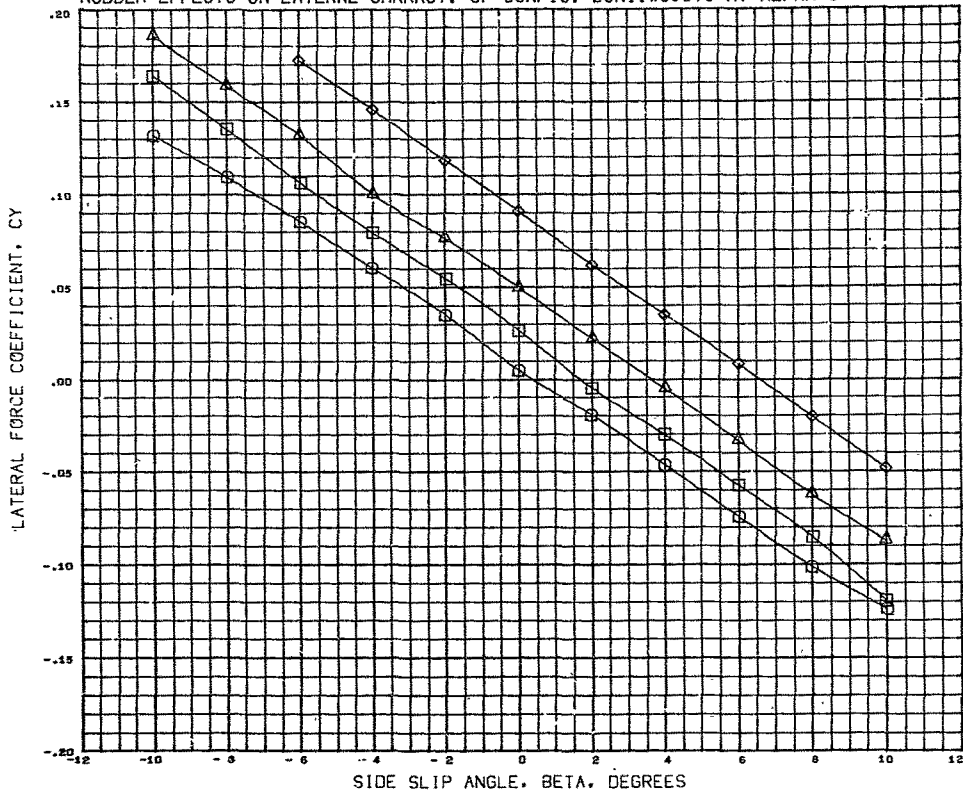


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDD6	RUDD8	REFERENCE INFORMATION
(BC2023)	MCAR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000			SREF 9.0000 SQ. FT
(BC2047)	MCAR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	10.000			LRFF 6.0000 FT.
(BC2053)	MCAR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	20.000			BREF 3.0000 FT.
(BC2073)	MCAR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000		10.000	0.000	XWRP 0.0875 REFL
						YWRP 0.0000 FT.
						ZWRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

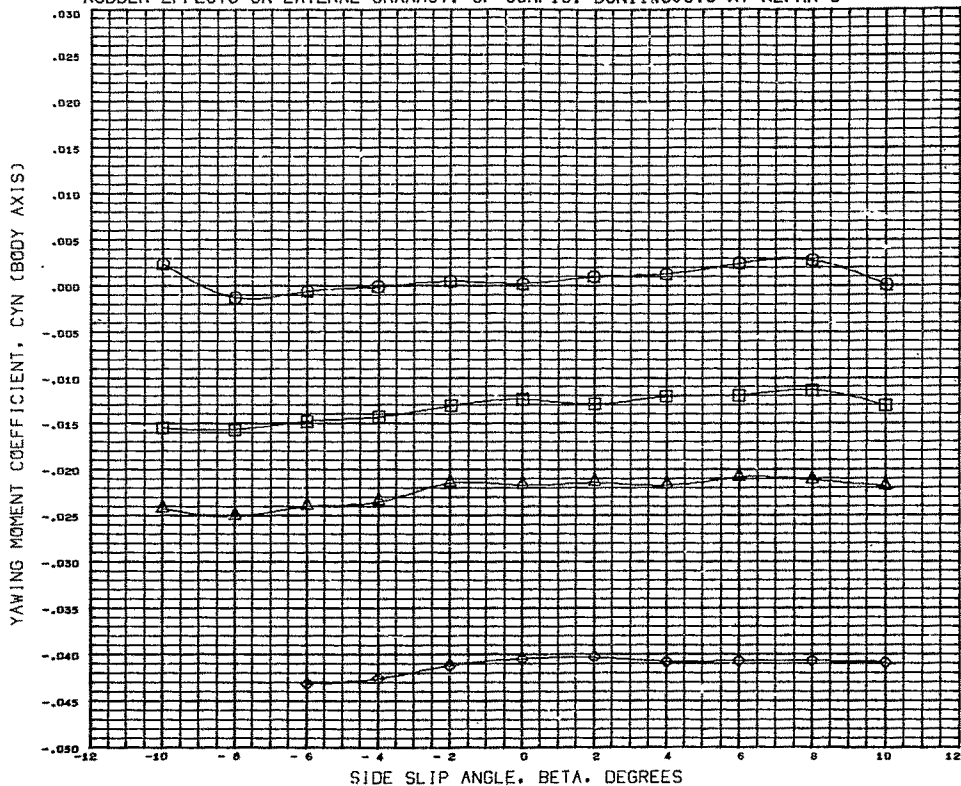
RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDD6	RUDD8	REFERENCE INFORMATION
(BC2024)	MCAR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000			SREF 9.0000 SQ. FT
(BC2048)	MCAR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	10.000			LREF 6.0000 FT.
(BC2054)	MCAR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	20.000			BREF 6.0000 FT.
(BC2074)	MCAR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000		10.000	0.000	XMRP 0.8575 REFL FT.
						YMRP 0.0000
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

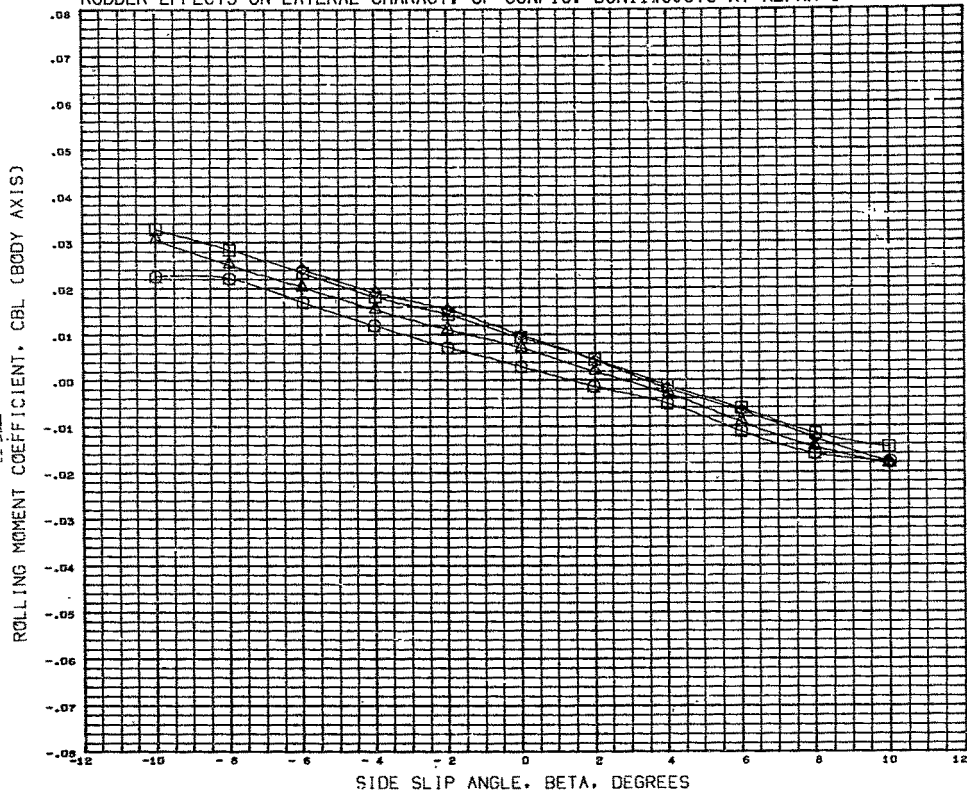
MACH 0.260

RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE INFORMATION
(BCZ024)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000			SREF 9.0000 Sq. FT
(BCZ048)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	10.000			LRFF 6.0000 FT.
(BCZ054)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	20.000			BREF 6.0000 FT.
(BCZ074)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000		10.000	0.000	XNRP 0.0575 REFL
						YNRP 0.0500 FT.
						ZNRP 0.0100 REFL
						SCALE 0.0300 SCALE
MACH 0.260						

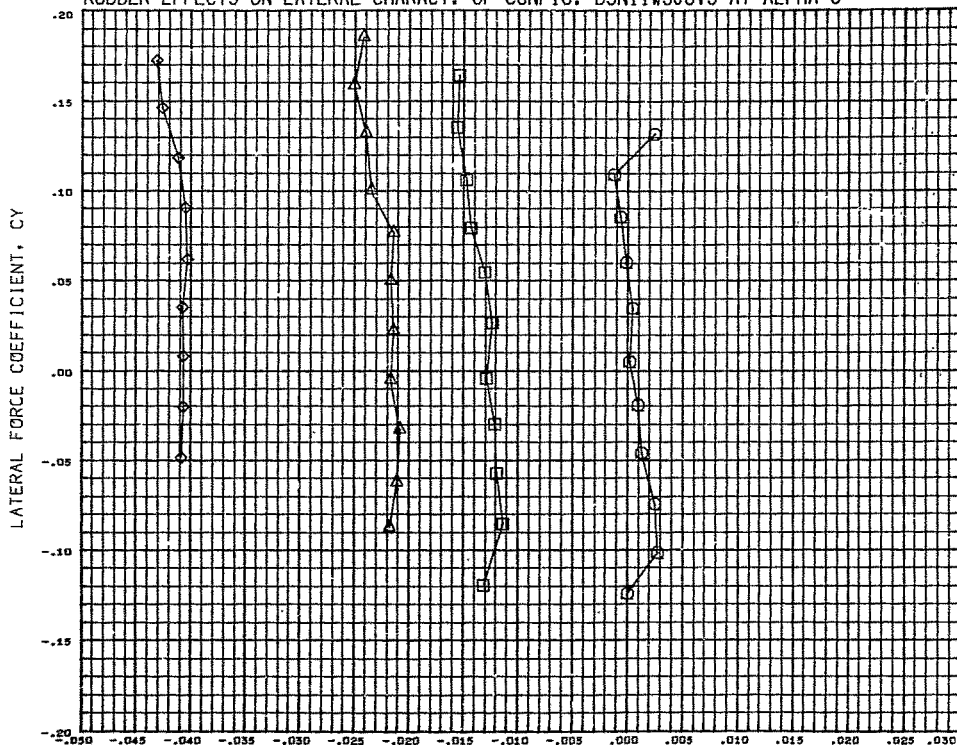
RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE INFORMATION
(BC2024)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000			SREF 9.0000 SQ. FT
(BC2040)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	10.000			LR6F 6.0000 FT.
(BC2054)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	20.000			BREF 6.0000 FT.
(BC2074)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000		10.000	0.000	XNRP 0.6575 REFL
						YNRP 0.0000 FT.
						ZNRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6

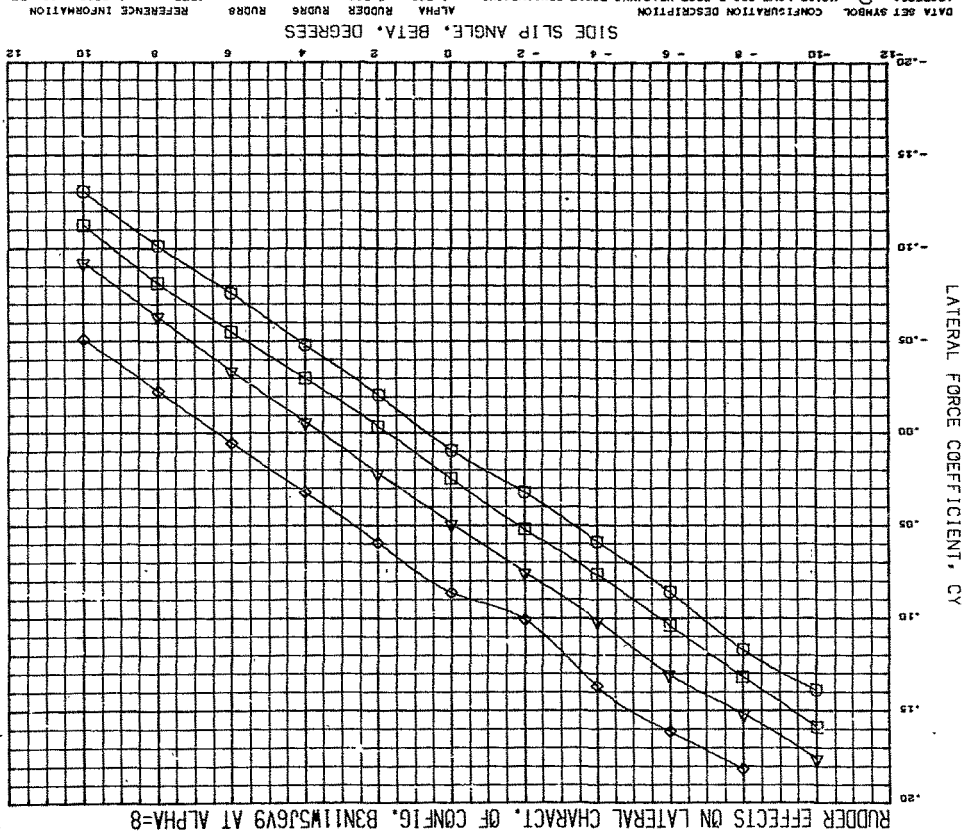


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

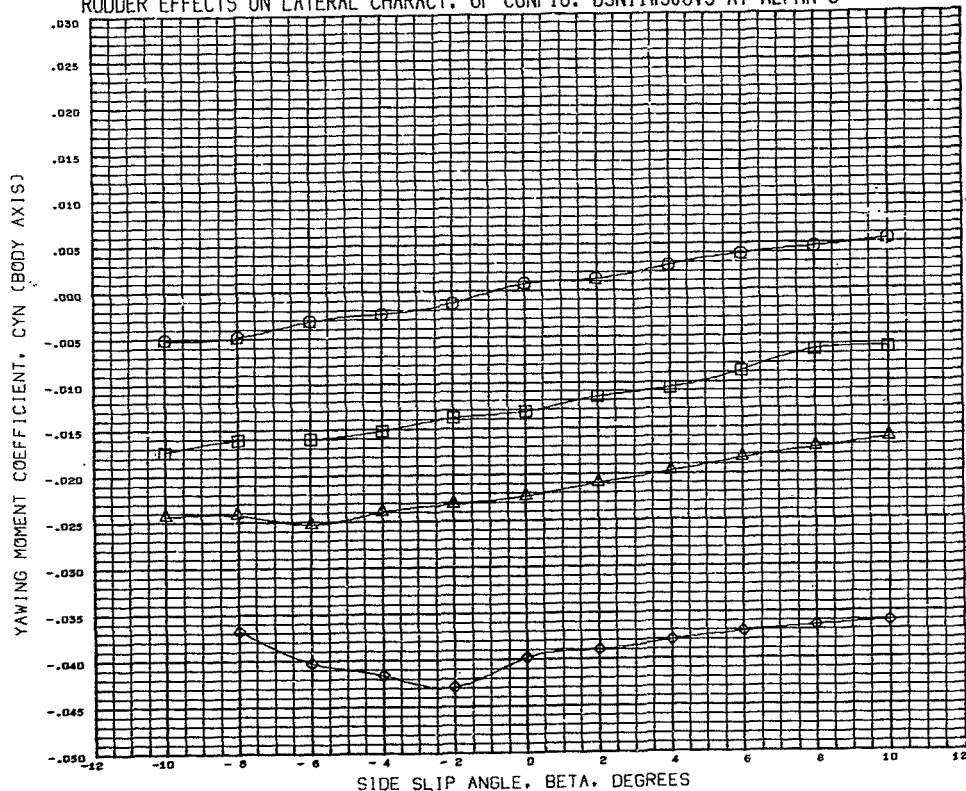
DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDD6	RUDD8	REFERENCE INFORMATION
(BC2024)	□	MCAIR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000			SREF 9.0000 SQ. FT
(BC2048)	△	MCAIR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	10.000			LREF 6.0000 FT.
(BC2054)	○	MCAIR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	20.000			BREF 6.0000 FT.
(BC2074)	◇	MCAIR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000		10.000	0.000	YMRP 0.0000 FT.
							ZMRP 0.0100 REFL
							SCALE 0.0300 SCALE

MACH 0.260

REFERENCE INFORMATION	
\$REF	9.0000
LREF	6.0000
BREF	6.0000
FT.	0.5575
REFL	0.0000
YMRP	0.0000
ZMRP	0.0100
SCALE	0.0300



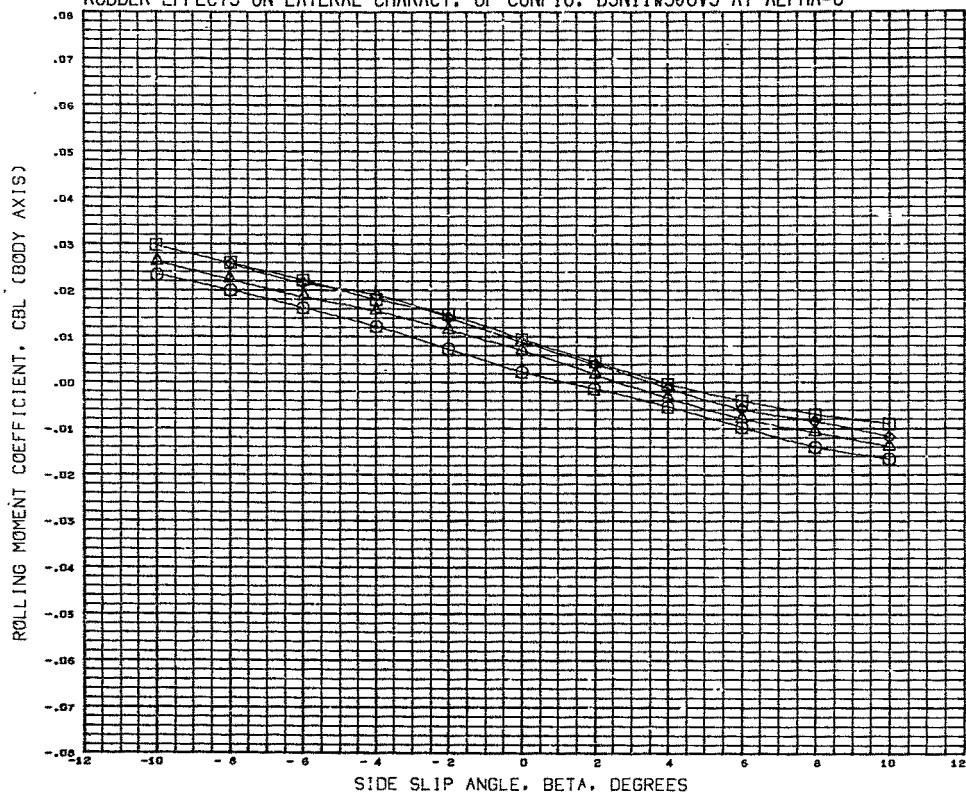
RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N1W5J6V9 AT ALPHA=8



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE INFORMATION
(BC2025)	MCAIR LSWT 258 3.DPCT MDAC/MHC BOOST B3N1W5J6V9	8.000	0.000			SREF 9.0000 SQ. FT
(BC2049)	MCAIR LSWT 258 3.DPCT MDAC/MHC BOOST B3N1W5J6V9	8.000	10.000			LREF 6.0000 FT.
(BC2055)	MCAIR LSWT 258 3.DPCT MDAC/MHC BOOST B3N1W5J6V9	8.000	20.000			BREF 6.0000 FT.
(BC2075)	MCAIR LSWT 258 3.DPCT MDAC/MHC BOOST B3N1W5J6V9	8.000		10.000	0.000	XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0000 PEFL
						SCALE 0.0000 SCALE

MACH 0.260

RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=8



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(8C2025) MCAIR LSMT 250 3.0PCT MDAC/HMC BOOST B3N11W5J6V9

(8C2049) MCAIR LSMT 250 3.0PCT MDAC/HMC BOOST B3N11W5J6V9

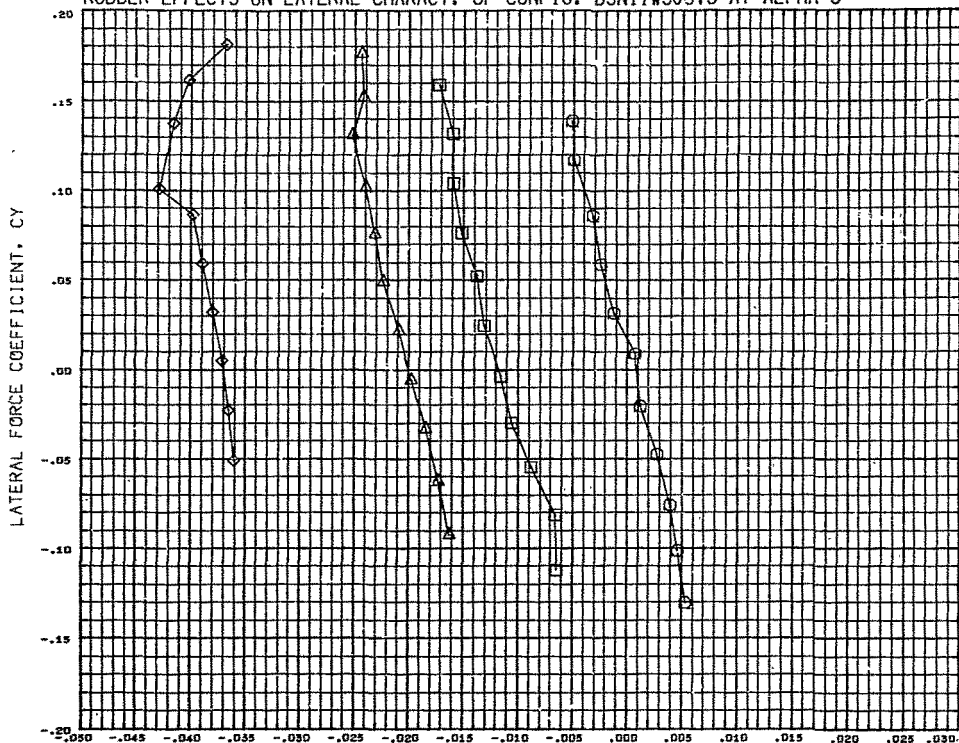
(8C2053) MCAIR LSMT 250 3.0PCT MDAC/HMC BOOST B3N11W5J6V9

(8C2075) MCAIR LSMT 250 3.0PCT MDAC/HMC BOOST B3N11W5J6V9

ALPHA	RUDDER	RUDDG	RUDD8	REFERENCE INFORMATION
8.000	0.000			SREF 9.0000 SQ. FT
8.000	10.000			LREF 6.0000 FT.
8.000	20.000			BRCF 6.0000 FT.
		10.000	0.000	XMRP 0.8575 REFL
				YMRP 0.0000 FT.
				ZMRP 0.0100 RCFL
				SCALE 0.0300 SCALE

HACH 0.260

RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=8

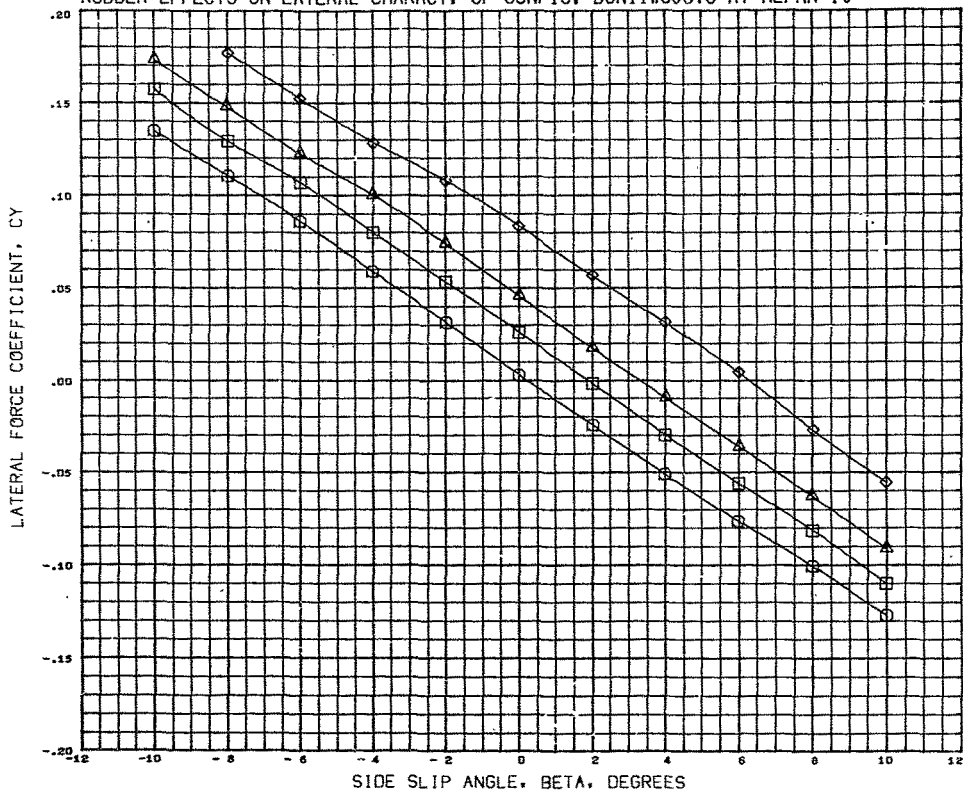


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDD6	RUDD8	REFERENCE INFORMATION
(BCZ025)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000			SREF 9.0000 SQ. FT
(BCZ049)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	10.000			LREF 6.0000 FT.
(BCZ055)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	20.000			BREF 3.0000 FT.
(BCZ075)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000		10.000	0.000	XMRP 0.0575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

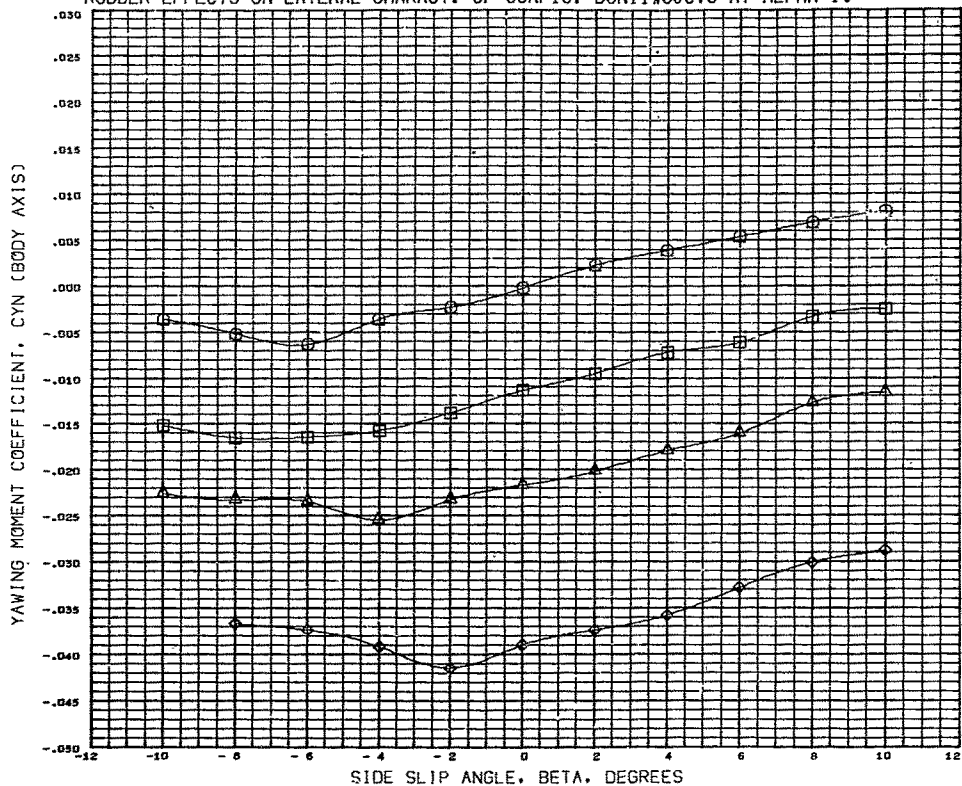
RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDD6	RUDD8	REFERENCE INFORMATION
(BC2026)	NCAIR LSWT 250 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000	0.000			SREF 9.0000 SQ. FT
(BC2050)	NCAIR LSWT 250 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000	10.000			LREF 6.0000 FT.
(BC2056)	NCAIR LSWT 250 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000	20.000			BREF 6.0000 FT.
(BC2076)	NCAIR LSWT 250 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000		10.000	0.000	XNRP 0.8575 REFL FT.
						YNRP 0.0000 REFL FT.
						ZNRP 0.0100 REFL SCALE
						SCALE 0.0300

MACH 0.260

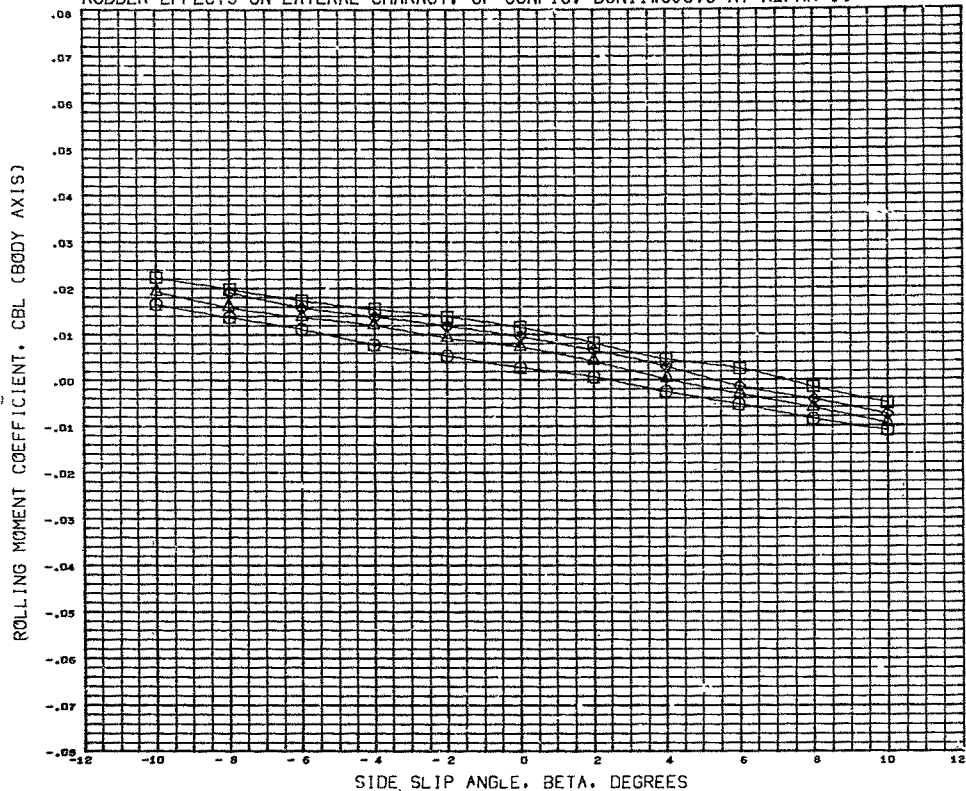
RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE INFORMATION
(BCZD26)	MCAR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000	0.000			SREF 9.0000 SQ. FT
(BCZD50)	MCAR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000	10.000			LREF 6.0000 FT.
(BCZD56)	MCAR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000	20.000			BREF 6.0000 FT.
(BCZD76)	MCAR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000		10.000	0.000	XMRP 0.0375 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10

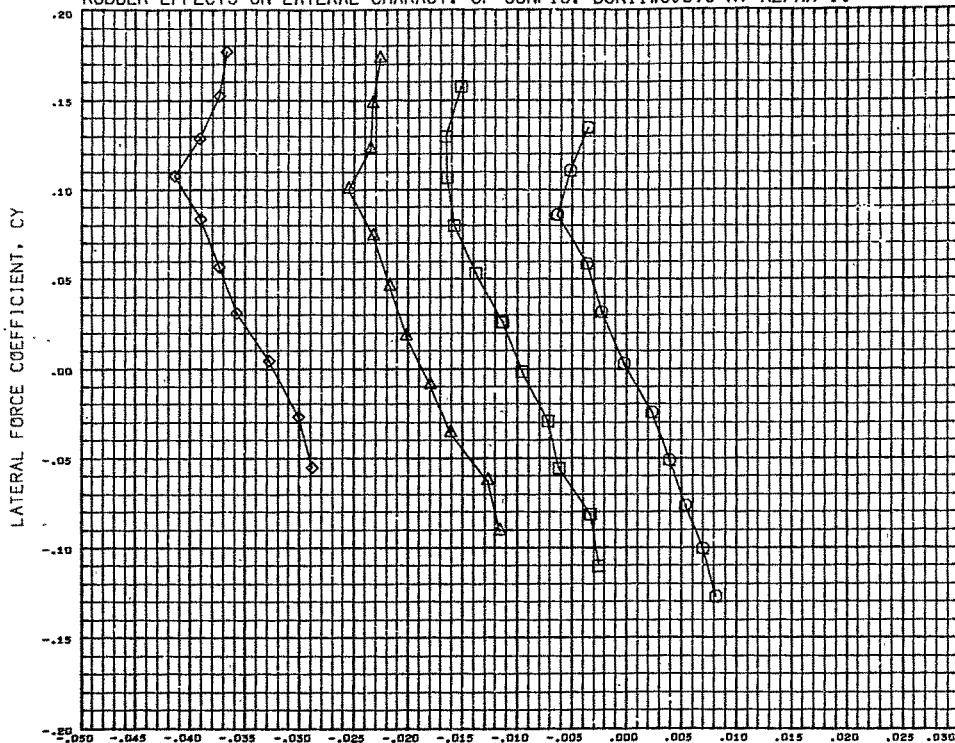


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDD6	RUDD8	REFERENCE INFORMATION
(BCZ026)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000	0.000			SREF 9.0000 SQ. FT
(BCZ050)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000	10.000			LREF 6.0000 FT.
(BCZ056)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000	20.000			BREF 8.0000 FT.
(BCZ076)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000		10.000	0.000	XMRP 0.0373 REFL
						YNRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH

0.260

RUDDER EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10

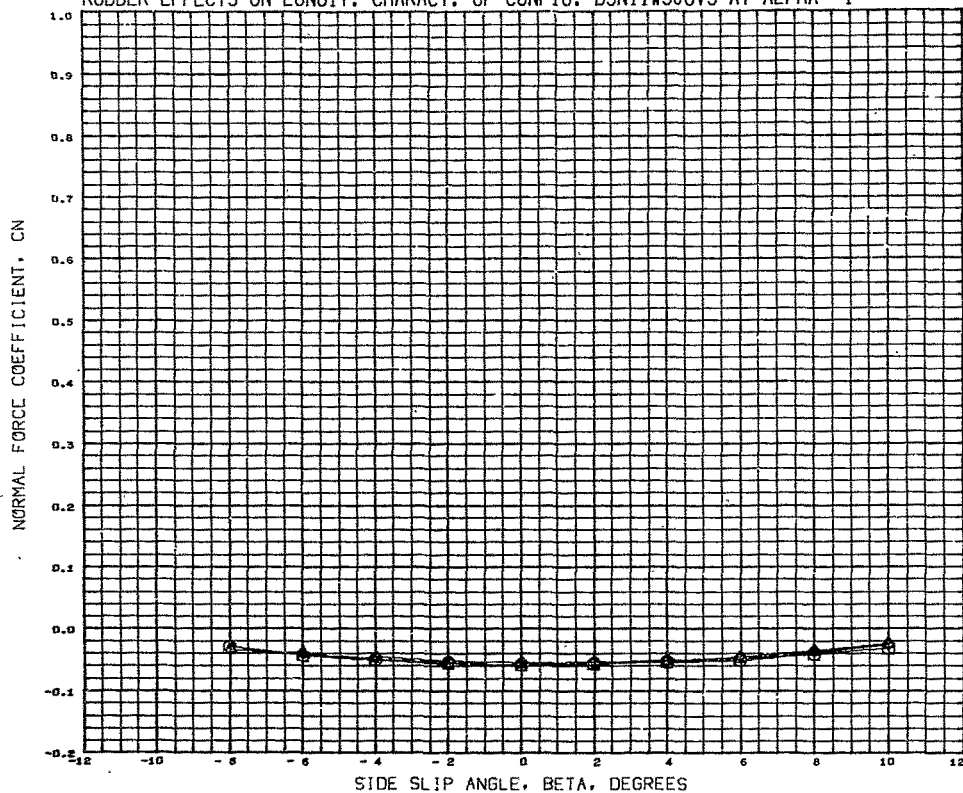


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR5	RUDR8	REFERENCE INFORMATION
(BC2026)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	0.000			SREF 9.0000 SQ. FT
(BC2059)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	10.000			LREF 6.0000 FT.
(BC2061)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	20.000			SREF 6.0000 FT.
(BC2076)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000		10.000	0.000	XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

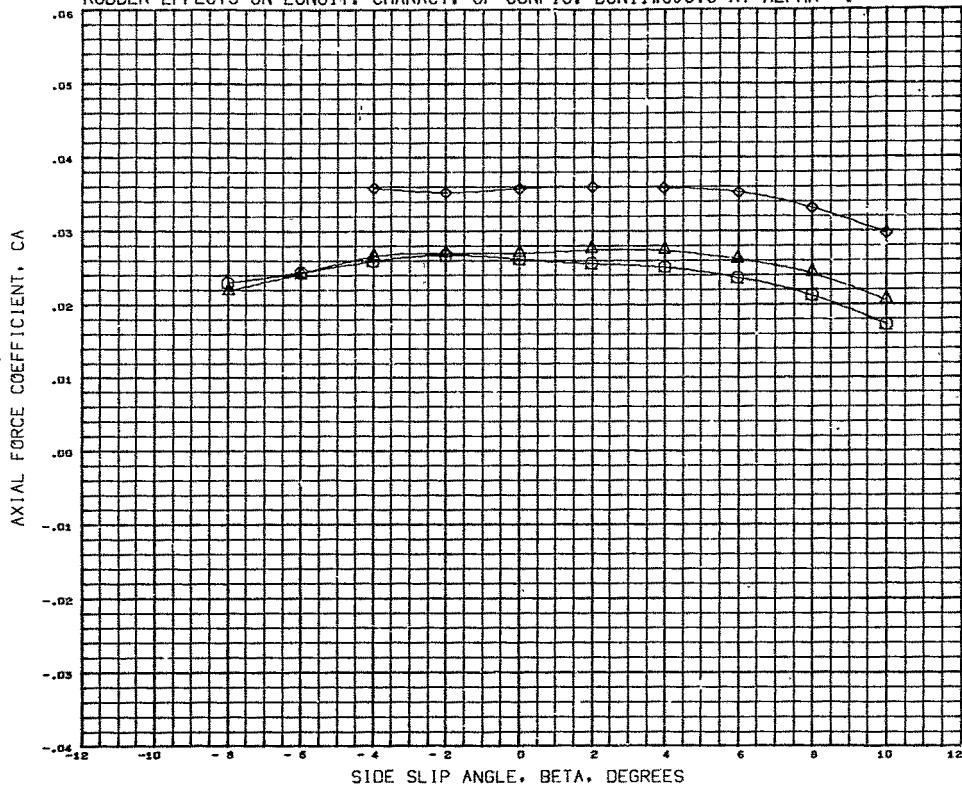
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BC2021)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	0.000	SREF 9.0000 Sq. FT
(BC2045)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	10.000	LREF 6.0001 FT.
(BC2051)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	20.000	BREF 6.0060 FT.
						XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

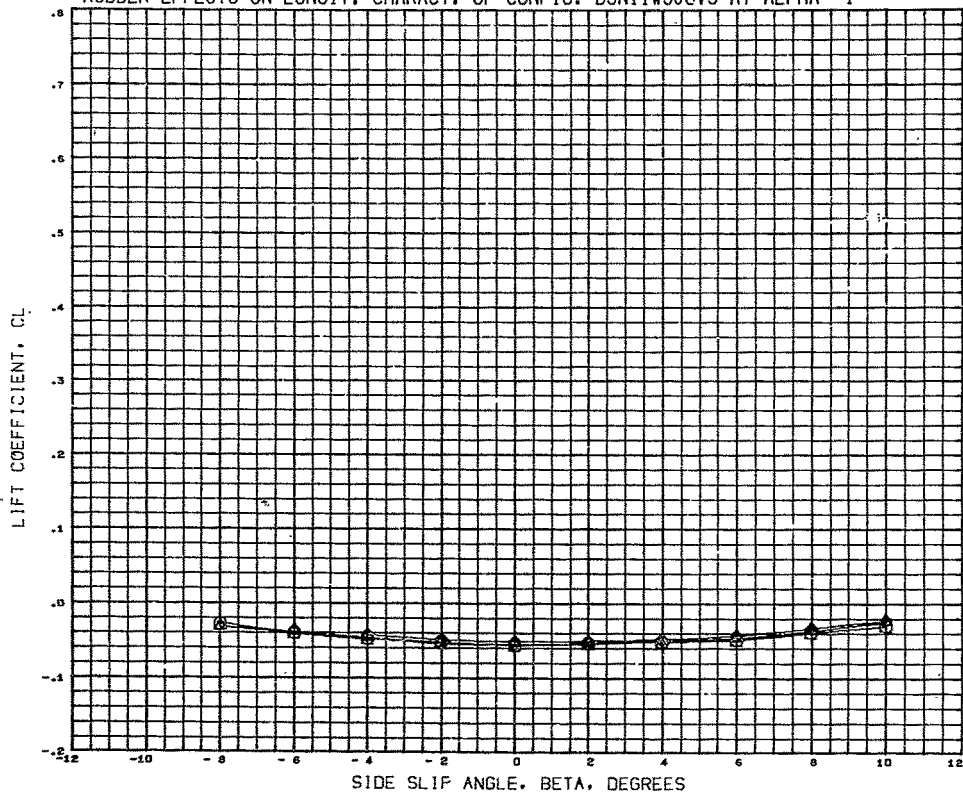
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ021)	NCAIR LSMT 256 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZ045)	NCAIR LSMT 256 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	10.000	LREF	6.0000 FT.
(BCZ051)	NCAIR LSMT 256 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	20.000	RREF	5.0000 FT.
						XMRP	0.2575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

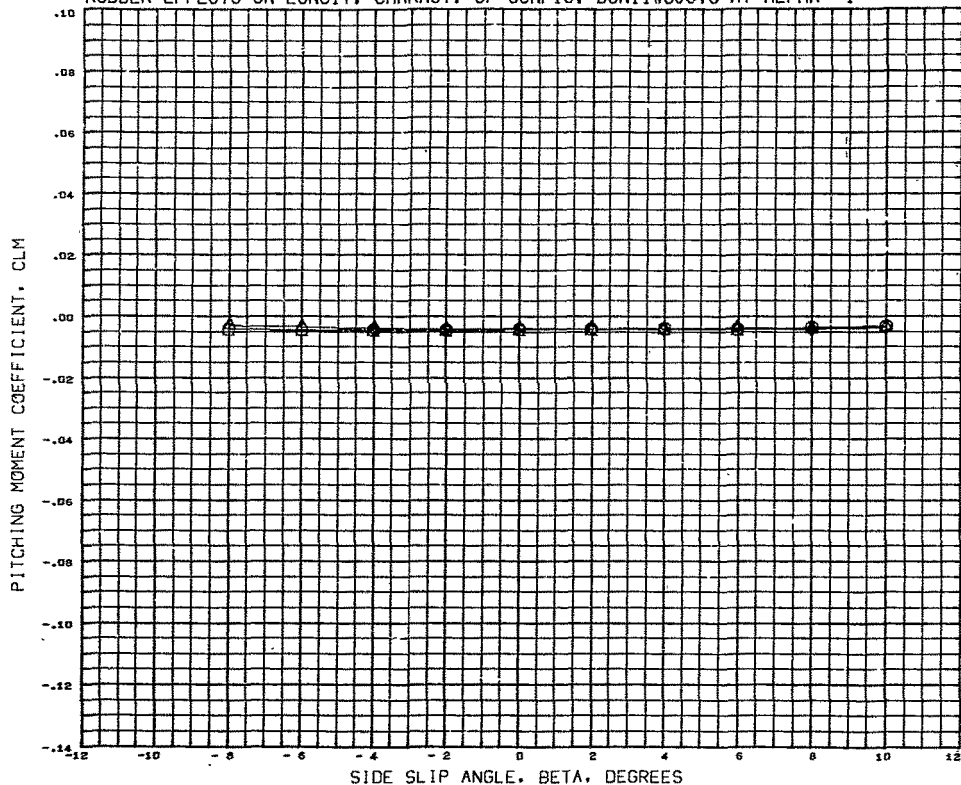
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(AC2021)	HCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	-4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(AC2045)	HCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	-4.000	0.000	0.000	10.000	LREF 6.0000 FT.
(AC2051)	HCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	-4.000	0.000	0.000	20.000	BREF 4.0000 FT.
						XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AC2021)  MCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9
 (AC2045)  MCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9
 (AC2051)  MCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9

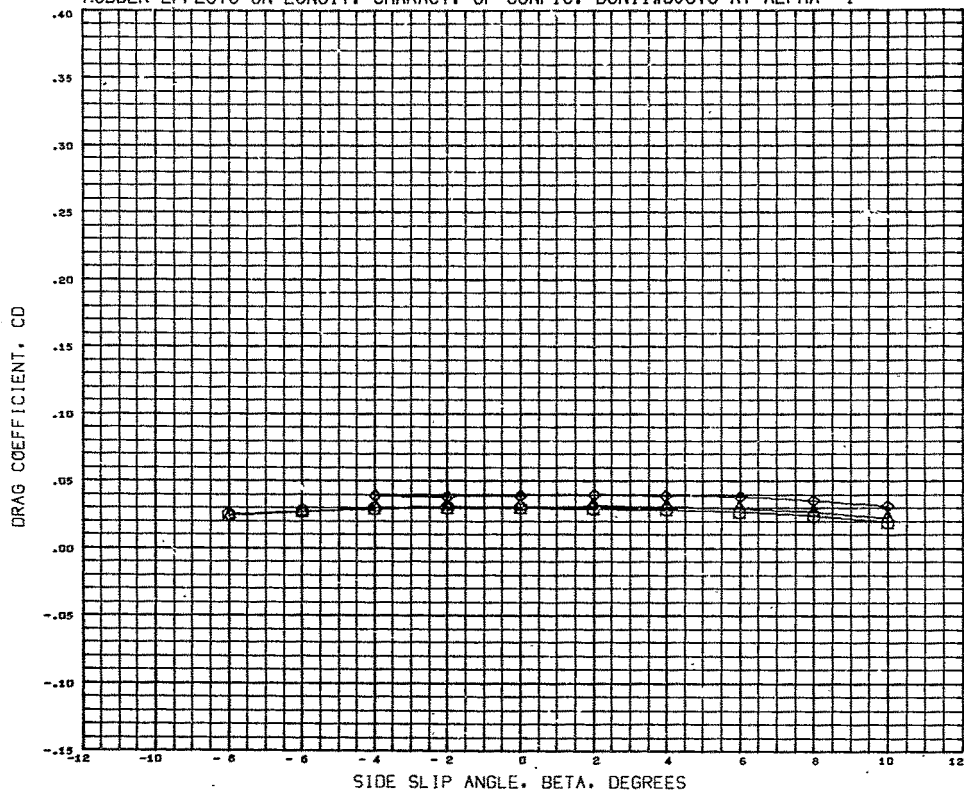
ALPHA	ELEVON	AILRON	RUDDER
-4.000	0.000	0.000	0.000
-4.000	0.000	0.000	10.000
-4.000	0.000	0.000	20.000

REFERENCE INFORMATION

SREF	9.0000	SG. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
XMRP	0.0575	REFL
YMRP	0.0000	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.260

RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4



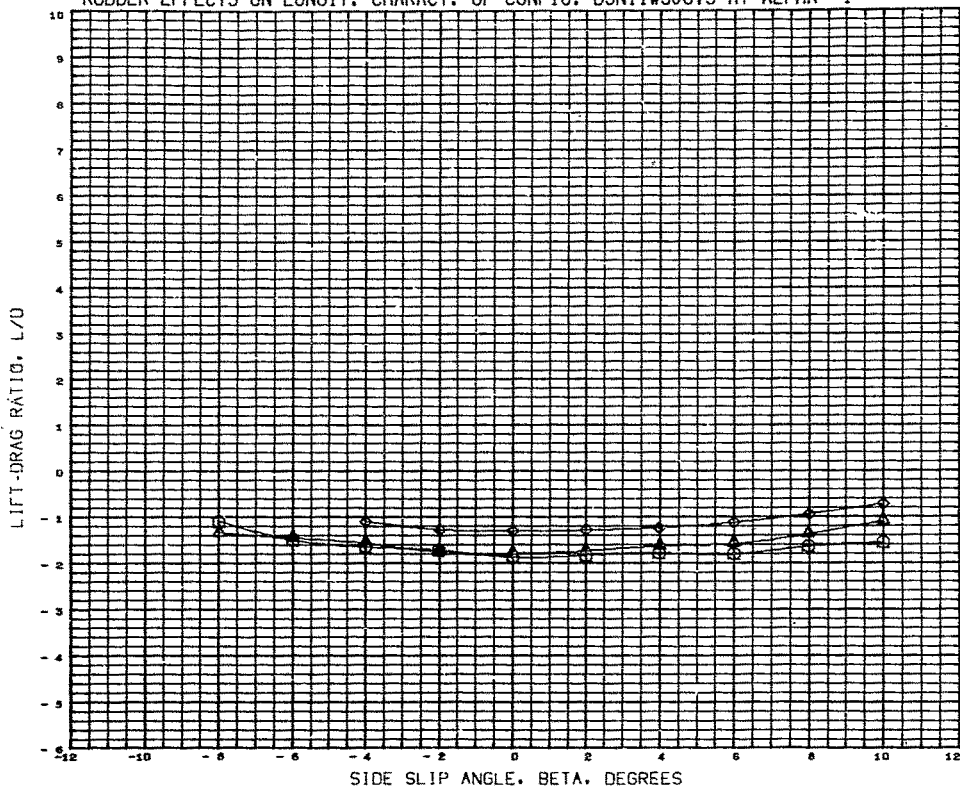
DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ021) HCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9
 (ACZ045) HCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9
 (ACZ051) HCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
-4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
-4.000	0.000	0.000	10.000	LREF 6.0000 FT.
-4.000	0.000	0.000	20.000	BREF 3.0000 FT.
				XMRP 0.6975 REFL
				YMRP 0.0000 FT.
				ZMRP 0.0100 REFL
				SCALE 0.0300 SCALE

MACH 0.280

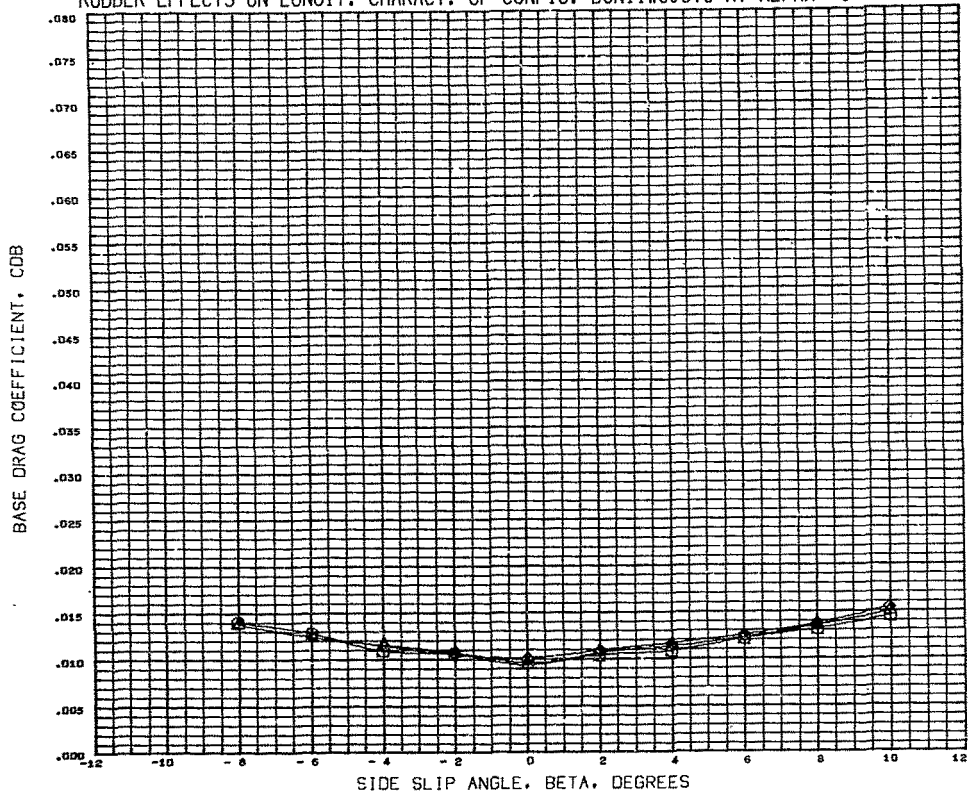
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ021)	MCAIR LSWT 256 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	0.000	SREF 9.0000 58. FT
(ACZ045)	MCAIR LSWT 256 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	10.000	LREF 6.0000 FT.
(ACZ051)	MCAIR LSWT 256 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	20.000	RREF 5.0000 FT.
						XNRP 0.8575 REFL
						YNRP 0.0000 FT.
						ZNRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.280

RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=-4

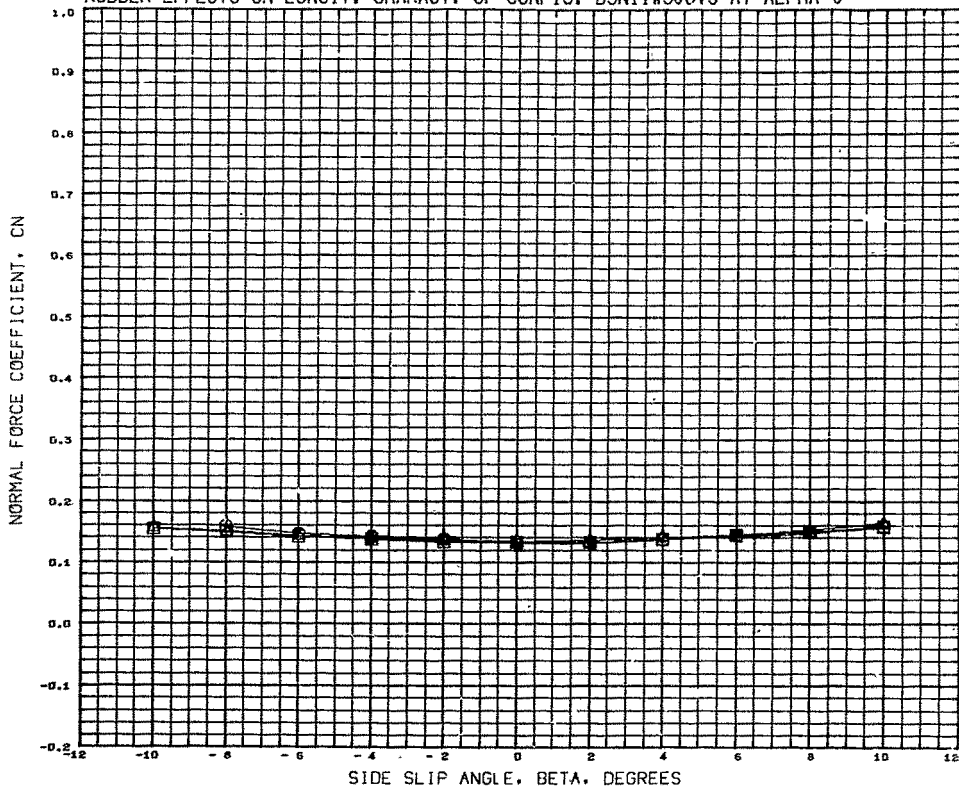


DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (AC2021) MCAIR LSWT 258 3.0PCT MDAC/MMC BOOST B3N11W5J6V9
 (AC2045) MCAIR LSWT 258 3.0PCT MDAC/MMC BOOST B3N11W5J6V9
 (AC2051) MCAIR LSWT 258 3.0PCT MDAC/MMC BOOST B3N11W5J6V9

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION
-4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
-4.000	0.000	0.000	10.000	LREF	6.0000 FT.
-4.000	0.000	0.000	20.000	BREF	0.0000 FT.
				XMRP	0.8575 REFL
				YMRP	0.0000 FT.
				ZMRP	0.0000 REFL
				SCALE	0.0300 SCALE

MACH D.260

RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0



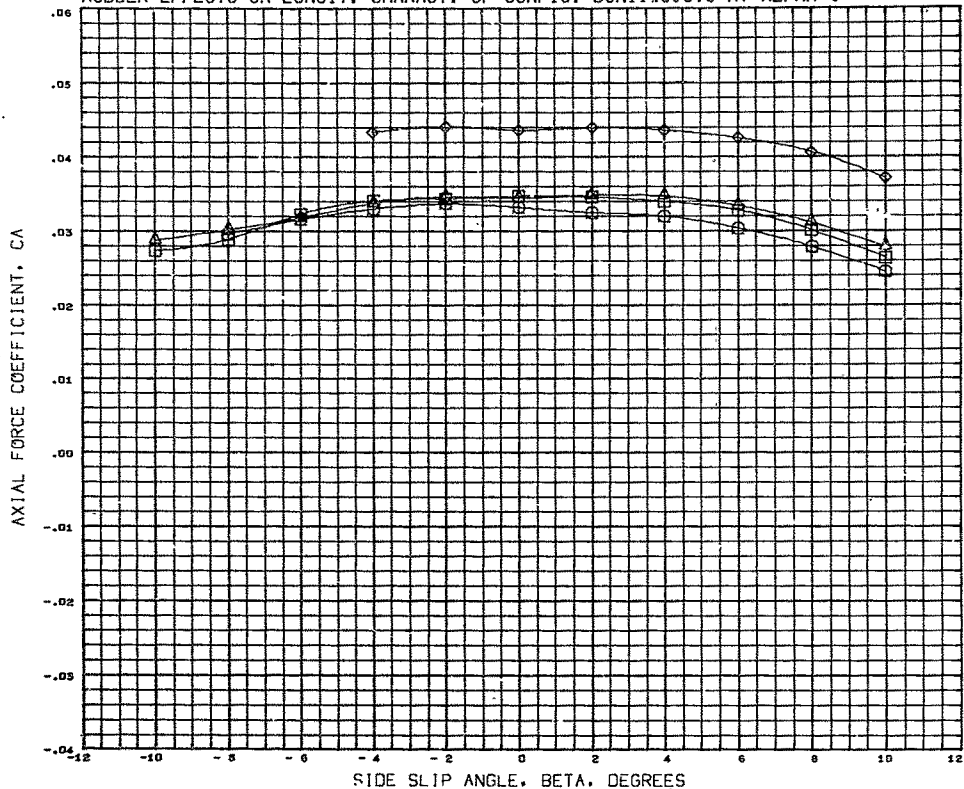
DATA SET SYMBOL. CONFIGURATION DESCRIPTION

(BC2022) NCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9
 (BC2046) NCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9
 (BC2052) NCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9
 (BC2072) NCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9

ALPHA	RUDDER	RUDD6	RUDD8	REFERENCE INFORMATION
0.000	0.000			SREF 9.0000 58. FT
0.000	10.000			LRFP 6.0000 FT.
0.000	20.000			BREF 6.0000 FT.
0.000		10.000	0.000	XHRP 0.8575 REFL
				YHRP 0.6000 FT.
				ZHRP 0.0100 REFL
				SCALE 0.0300 SCALE

MACH 0.250

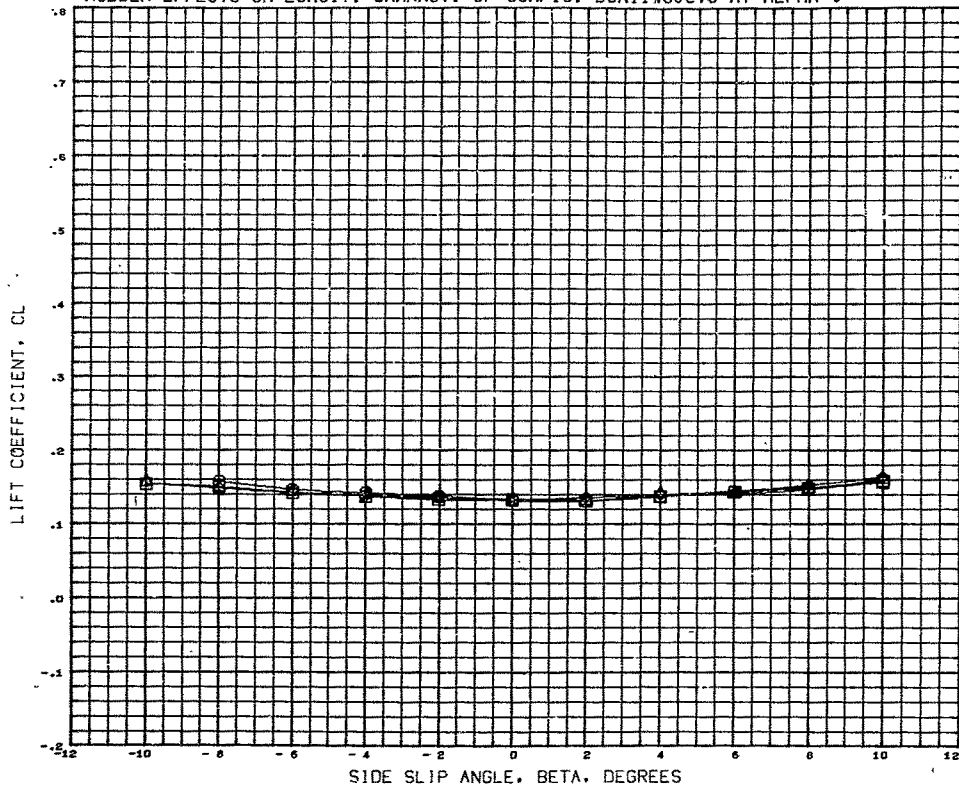
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDD6	RUDD8	REFERENCE INFORMATION
(BCZ022)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	0.000	0.000			SREF 9.0000 SQ. FT
(BCZ046)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	0.000	10.000			LREF 6.0000 FT.
(BCZ052)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	0.000	20.000			BREF 6.0000 FT.
(BCZ072)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	0.000		10.000	0.000	XWRP 0.8575 REFL
						YWRP 0.0000 FT.
						ZWRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

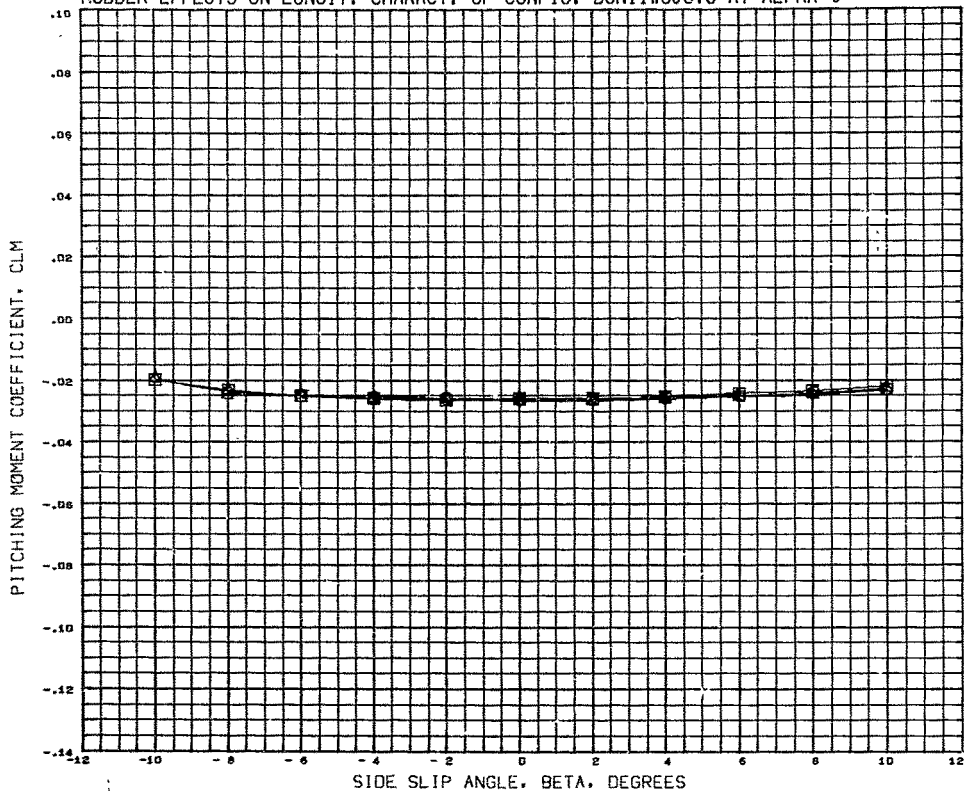
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR9	RUDR3	RUDR4	REFERENCE INFORMATION
(ACZ022)	HCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	0.000					SREF 9.0000 SQ. FT
(ACZ046)	HCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	10.000					LREF 6.0000 FT.
(ACZ052)	HCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	20.000					SREF 6.0000 FT.
(ACZ072)	HCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000		10.000	0.000			XMRP 0.8575 REFL
								YMRP 0.0000 FT.
								ZMRP 0.0100 REFL
								SCALE 0.0300 SCALE

MACH 0.260

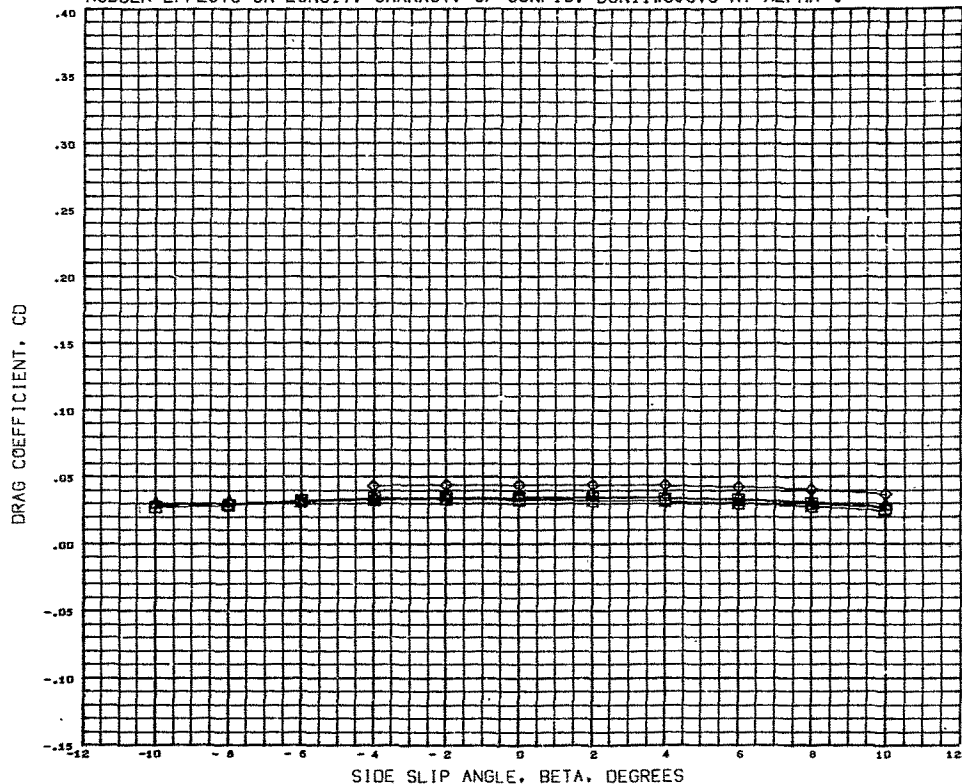
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDD6	RUDD8	REFERENCE INFORMATION
(AC2022)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	0.000	0.000			SREF 9.0000 Sq. FT
(AC2046)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	0.000	10.000			LREF 6.0000 FT.
(AC2092)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	0.000	20.000			BREF 5.0000 FT.
(AC2072)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	0.000		10.000	0.000	YMRP 0.0075 REFL
						ZMRP 0.0000 FT.
						SCALE 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

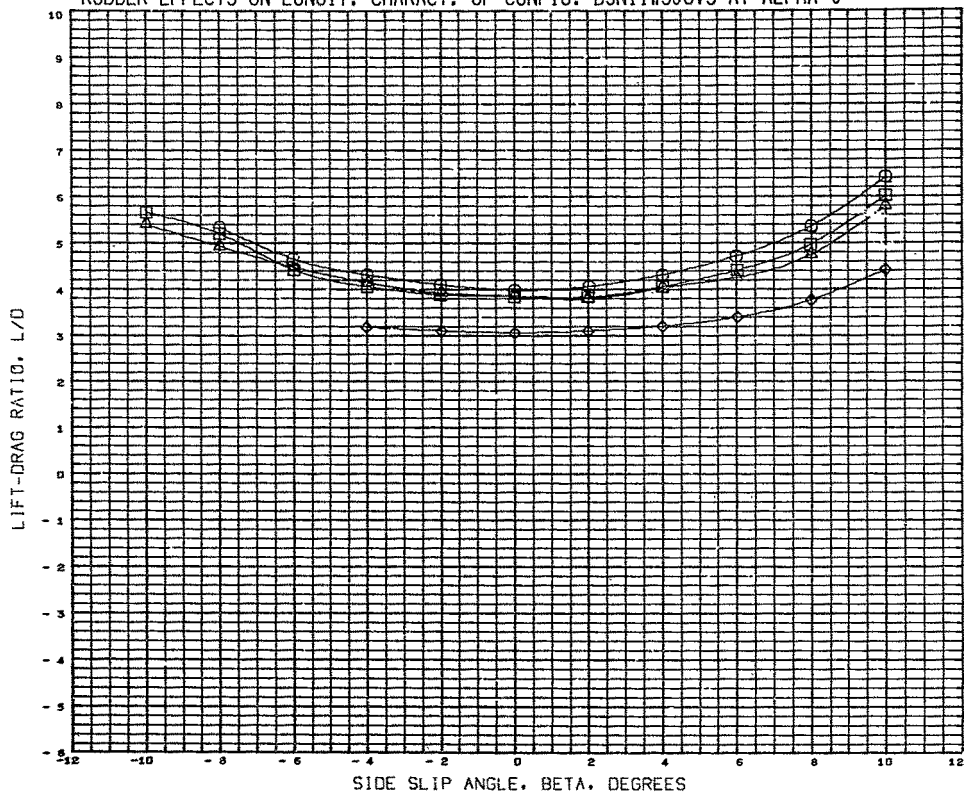
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE INFORMATION
(ACZ022)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000			SREF 9.0000 SQ. FT
(ACZ046)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	10.000			LREF 6.0000 FT.
(ACZ052)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	20.000			BREF 6.0000 FT.
(ACZ072)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000		10.000	0.000	XMRP 0.3575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

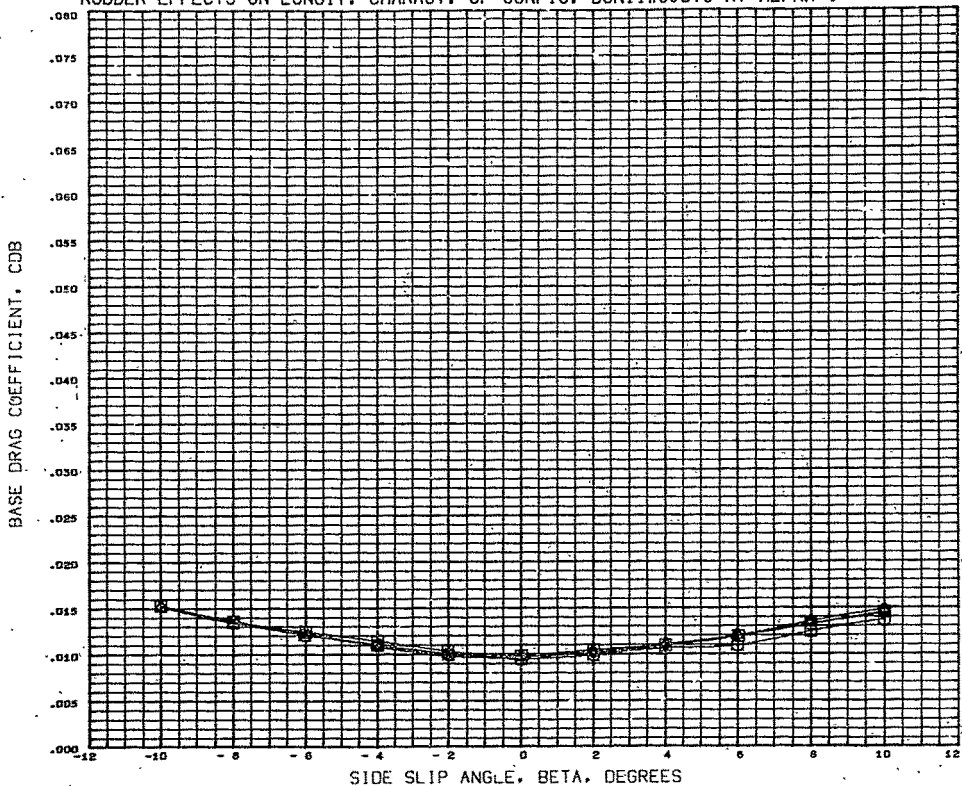
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDDER	RUDDER	RUDDER	REFERENCE INFORMATION
(AC2022)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000				SREF 9.0000 SQ. FT
(AC2046)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	10.000				LREF 6.0000 FT.
(AC2052)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	20.000				BREF 6.0000 FT.
(AC2072)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000		10.000	0.000		XMRP 0.6575 REFL
							YMRP 0.0000 FT.
							ZMRP 0.0100 REFL
							SCALE 0.0300 SCALE

MACH 0.260

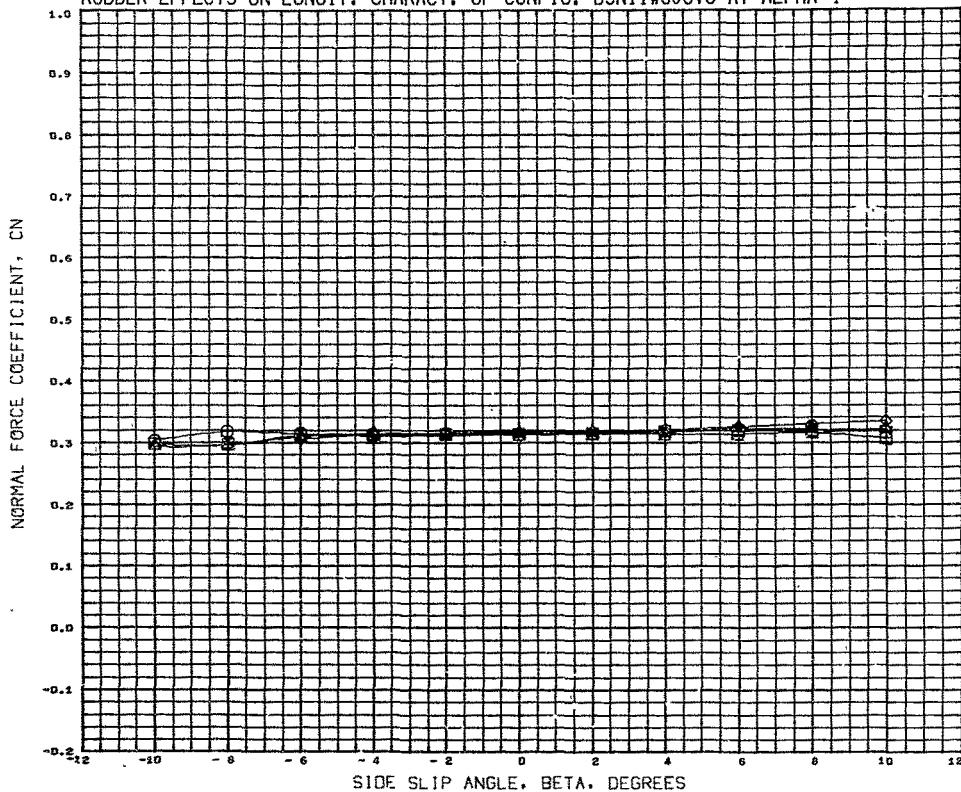
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=0



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE INFORMATION
(ACZD22)	NCAIR LSWT 258 3.0PCT MDAC/MKC BOOST B3N11W5J6V9	0.000	0.000			SREF 9.0000 SQ. FT
(ACZD46)	NCAIR LSWT 258 3.0PCT MDAC/MKC BOOST B3N11W5J6V9	0.000	10.000			LREF 6.0000 FT.
(ACZD52)	NCAIR LSWT 258 3.0PCT MDAC/MKC BOOST B3N11W5J6V9	0.000	20.000			DREF 5.0000 FT.
(ACZD72)	NCAIR LSWT 258 3.0PCT MDAC/MKC BOOST B3N11W5J6V9	0.000		10.000	0.000	XMRP 0.3575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0000 REFL
						SCALE 0.0300 SCALE

MACH 0.260

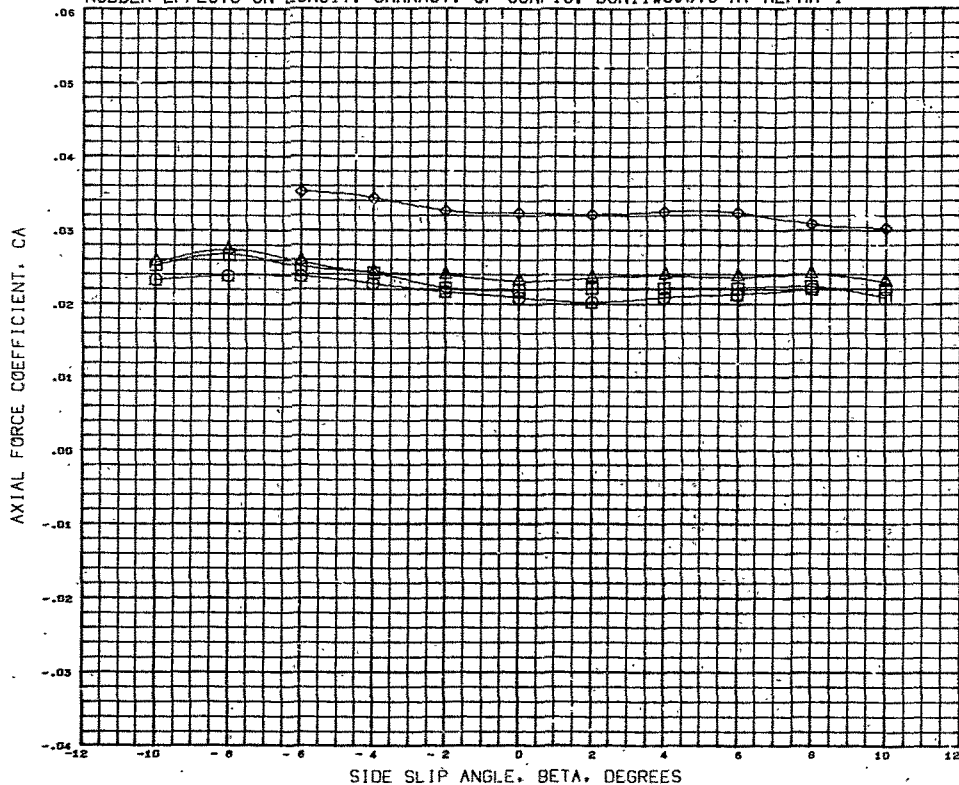
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDG	RUDS	REFERENCE INFORMATION
(BCZ023)	HCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	4.000	0.000			SREF 9.0000 SQ. FT
(BCZ047)	HCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	4.000	10.000			LREF 6.0000 FT.
(BCZ053)	HCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	4.000	20.000			LREF 6.0000 FT.
(BCZ073)	HCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	4.000		10.000	0.000	YMRP 0.3575 REFL
						ZMRP 0.0000 FT.
						SCALE 0.0100 REFL
						SCALE 0.0300 SCALE

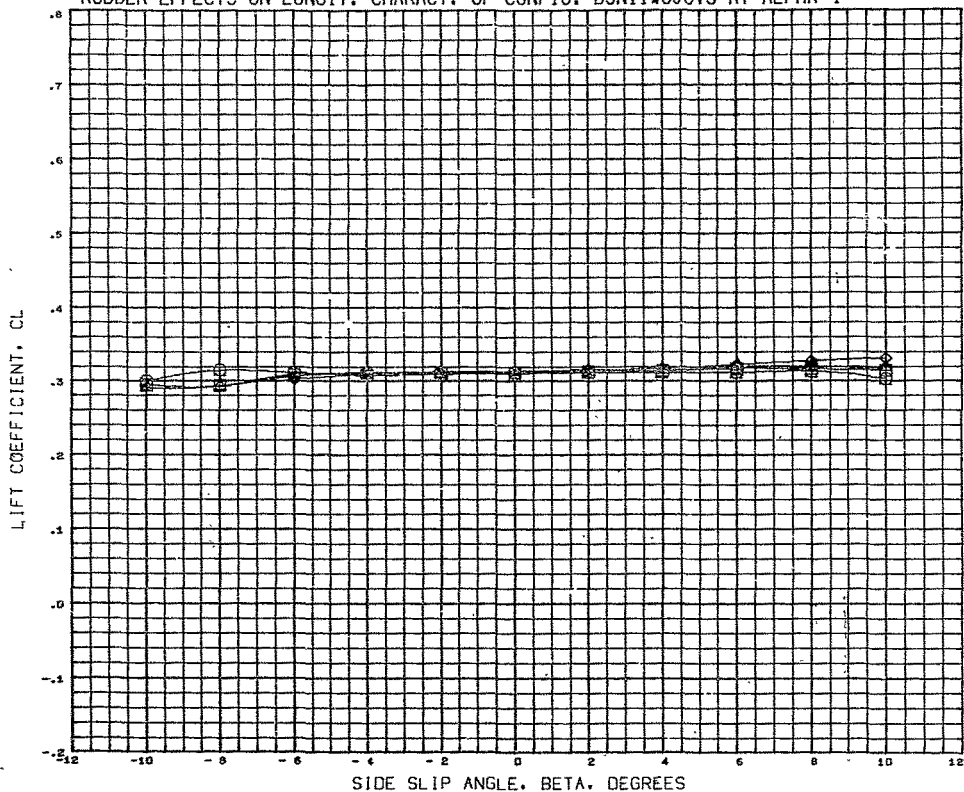
MACH 0.260

RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDD6	RUDD8	REFERENCE INFORMATION
(BCZ029)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000			SREF 9.0000 SG. F
(BCZ047)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	10.000			LSREF 6.0000 FT.
(BCZ053)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	20.000			BREF 6.0000 FT.
(BCZ073)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000		10.000	0.000	YNRP 0.8575 REFL
						YNRP 0.3000 FT.
						ZNRP 0.0100 REFL
						SCALE 0.0300 SCALE

RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4



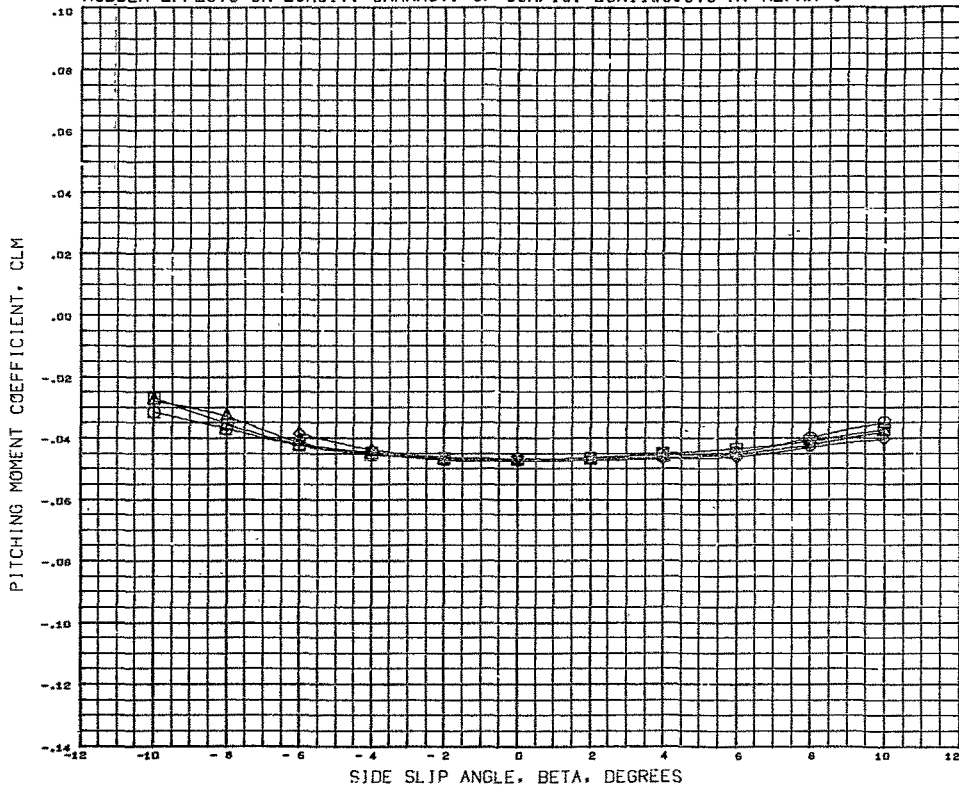
DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AC2023) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (AC2047) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (AC2053) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (AC2073) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9

ALPHA	RUDDER	RUDD6	RUDD8	REFERENCE INFORMATION
4.000	0.000			SREF 9.0000 SQ. FT
4.000	10.000			LREF 6.0000 FT.
4.000	20.000			BREF 6.0000 FT.
		10.000	0.000	XNRP 0.8575 REFL
				YNRP 0.0000 FT.
				ZNRP 0.0100 REFL
				SCALE 0.0300 SCALE

MACH 0.260

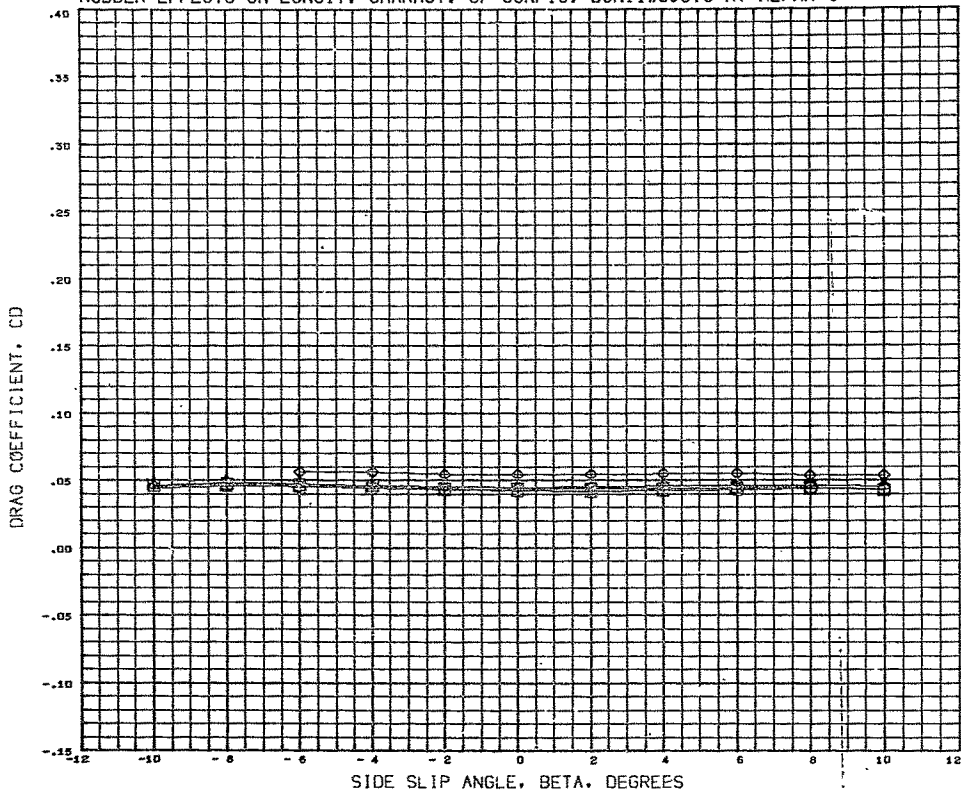
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE INFORMATION
(AC2023)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000			SREF 9.0000 SQ. FT
(AC2047)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	10.000			LREF 6.0000 FT.
(AC2053)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	20.000			BREF 6.0000 FT.
(AC2073)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000		10.000	0.000	XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

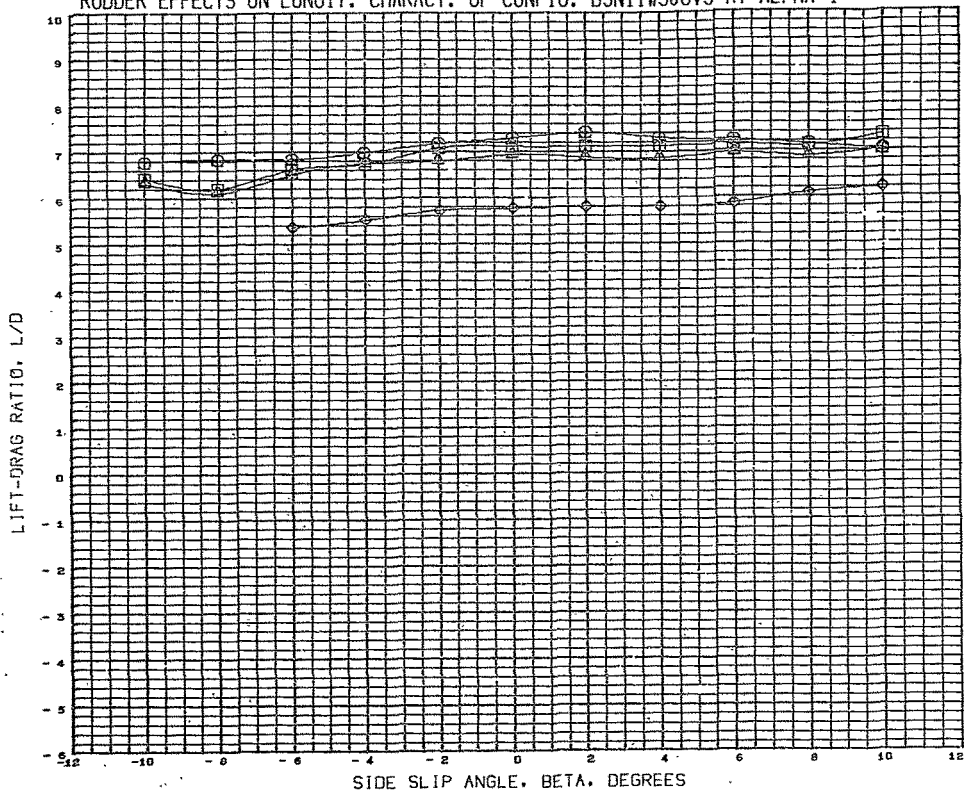
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDD6	RUDD8	REFERENCE INFORMATION
(AC2023)	MCAR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000			SREF 9.0000 SQ. FT
(AC2047)	MCAR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	10.000			LREF 6.0000 FT.
(AC2053)	MCAR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	20.000			BREF 5.0000 FT.
(AC2073)	MCAR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000		10.000	0.000	XMRP 0.6575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

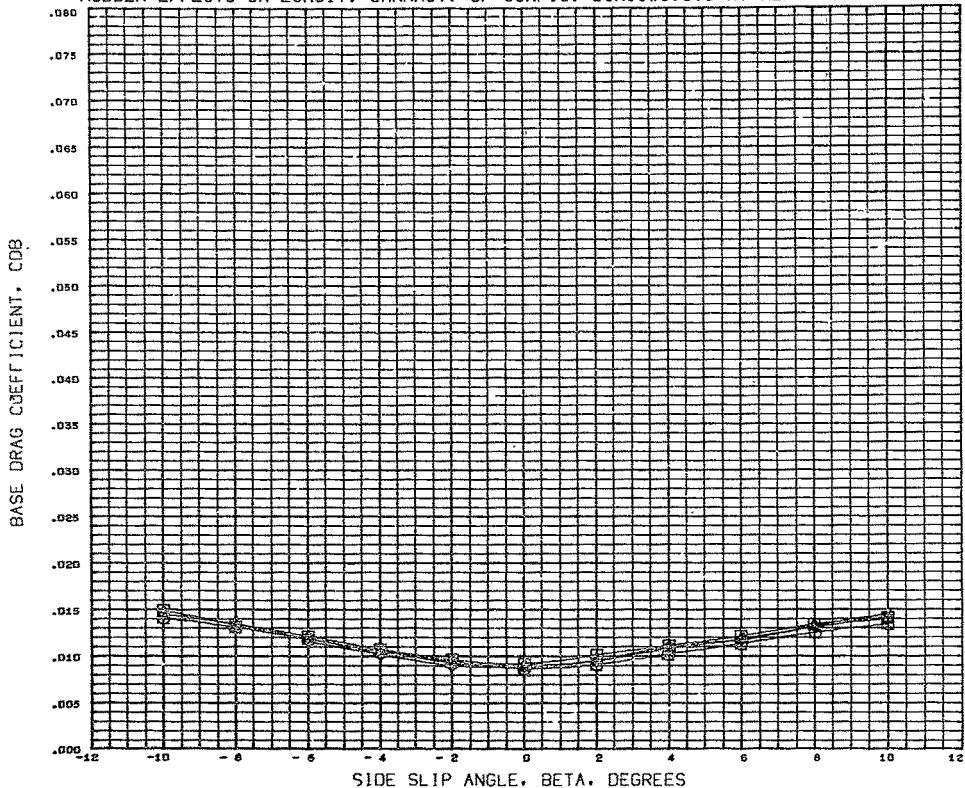
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR°	RUDR°	REFERENCE INFORMATION
(ACZ025)	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	4.000	0.000			SREF 9.0000 SQ. FT
(ACZ047)	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	4.000	10.000			LREF 6.0000 FT.
(ACZ053)	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	4.000	20.000			RREF 5.0000 FT
(ACZ073)	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	4.000		10.000	0.000	YNRP 0.4575 REFL
						ZHRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=4



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ023)	○	MCAIR	LSWT	258	3.DPCT	WDAC/HMC	BOOST	B3N11W5J6V9
(ACZ047)	△	MCAIR	LSWT	258	3.DPCT	WDAC/HMC	BOOST	B3N11W5J6V9
(ACZ053)	◇	MCAIR	LSWT	258	3.DPCT	WDAC/HMC	BOOST	B3N11W5J6V9
(ACZ073)	□	MCAIR	LSWT	258	3.DPCT	WDAC/HMC	BOOST	B3N11W5J6V9

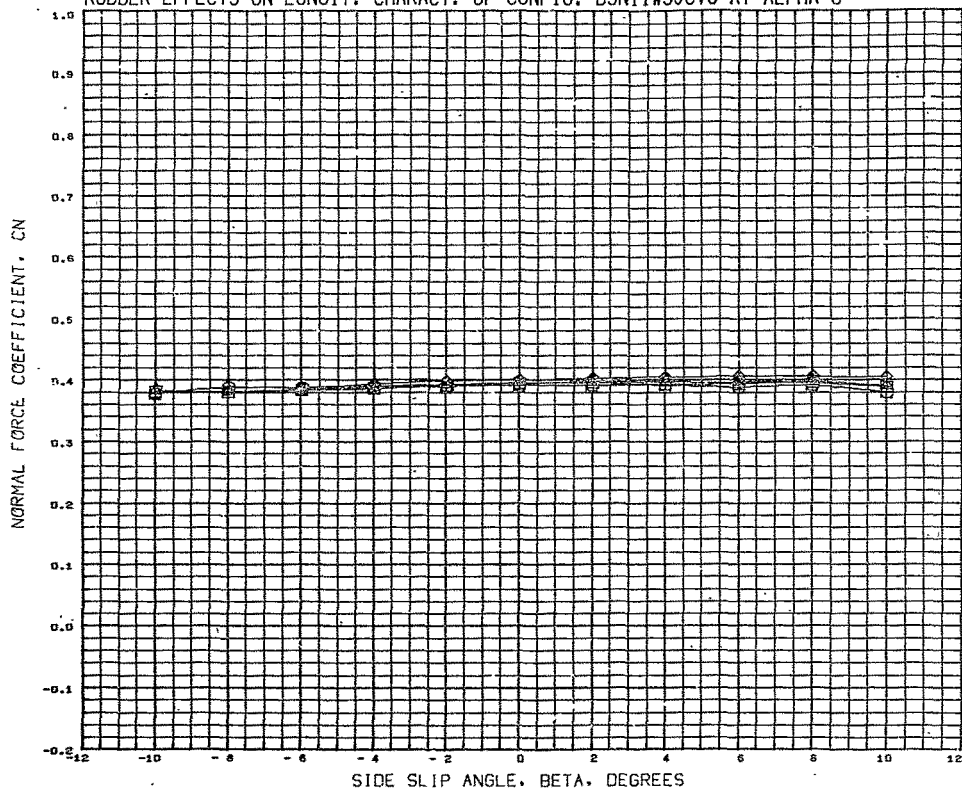
ALPHA	RUDDER	RUDRS	RUDR0
4.000	0.000		
4.000	10.000		
4.000	20.000		
4.000		10.000	0.000

REFERENCE INFORMATION

SREF	9.0000	SQ. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
WRP	0.8575	REFL
YMRP	0.0000	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.26C

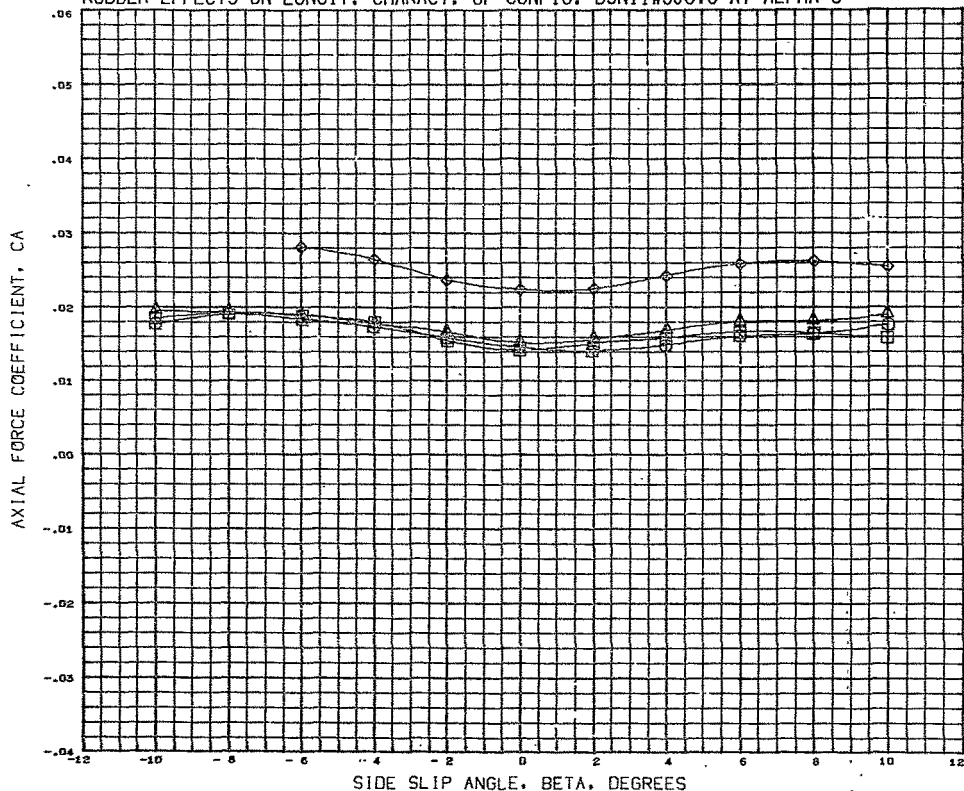
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDD6	RUDD8	REFERENCE INFORMATION
(BCZD24)	MCAR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	6.000	0.000			SREF 9.0000 SG. FT
(BCZD48)	MCAR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	6.000	10.000			LREF 6.0000 FT.
(BCZD54)	MCAR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	6.000	20.000			DREF 6.0000 FT.
(BCZD74)	MCAR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	6.000		10.000	0.000	ZHRP 0.9575 REFL
						YHRP 0.0000 FT.
						ZNRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

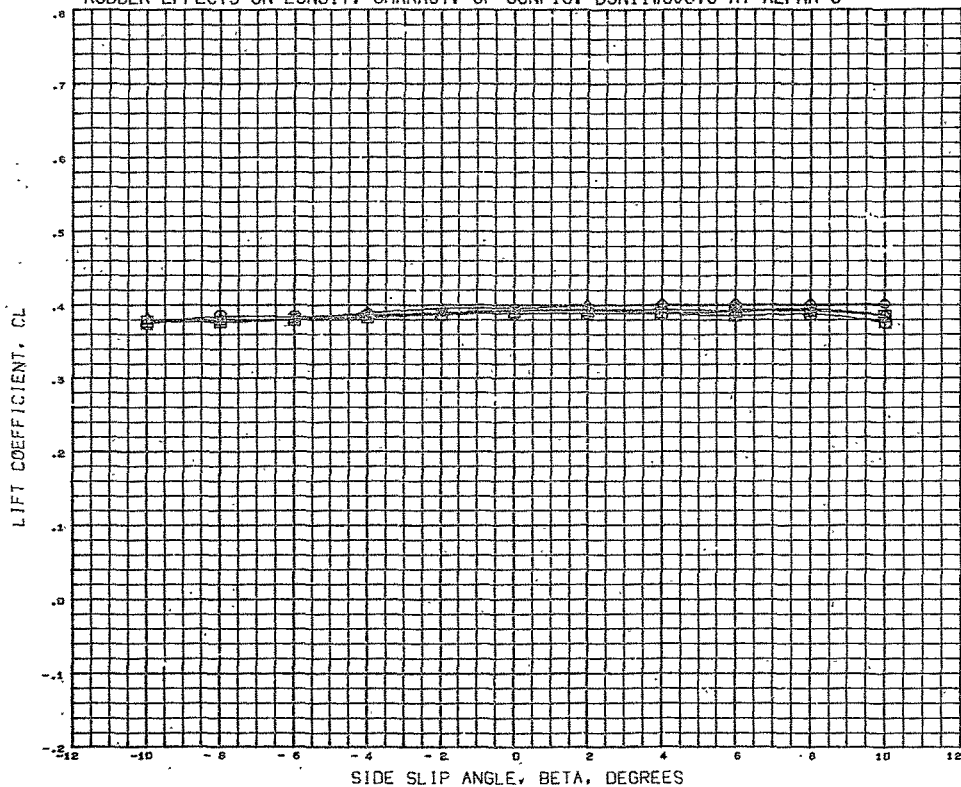
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE INFORMATION
(BCZ024)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000			SREF 9.0000 SQ. FT
(BCZ048)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	10.000			LREF 6.0000 FT.
(BCZ054)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	20.000			BREF 6.0000 FT.
(BCZ074)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000		10.000	0.000	XHRP 0.8575 REFL
						YHRP 0.9000 FT.
						ZHRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

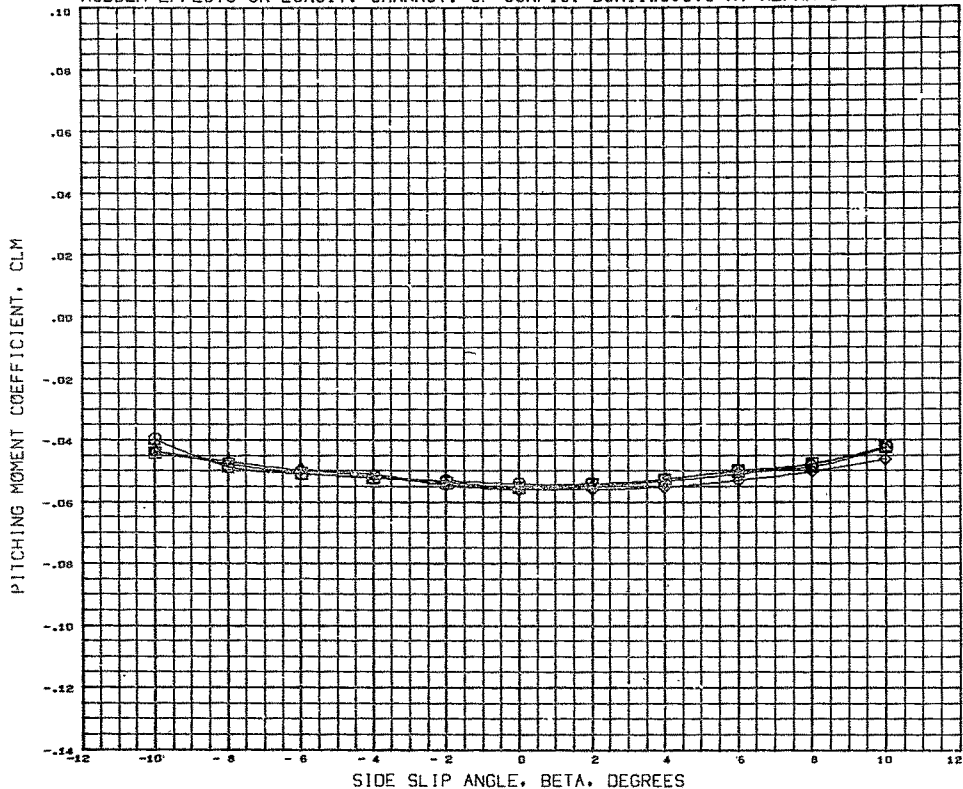
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE INFORMATION
(ACZ024)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000			SREF 9.0000 SQ. FT
(ACZ048)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	10.000			LREF 6.0000 FT.
(ACZ054)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	20.000			BREF 6.0000 FT.
(ACZ074)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000		10.000	0.000	XMRP 0.0575 REFL
						YMRP 0.6000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

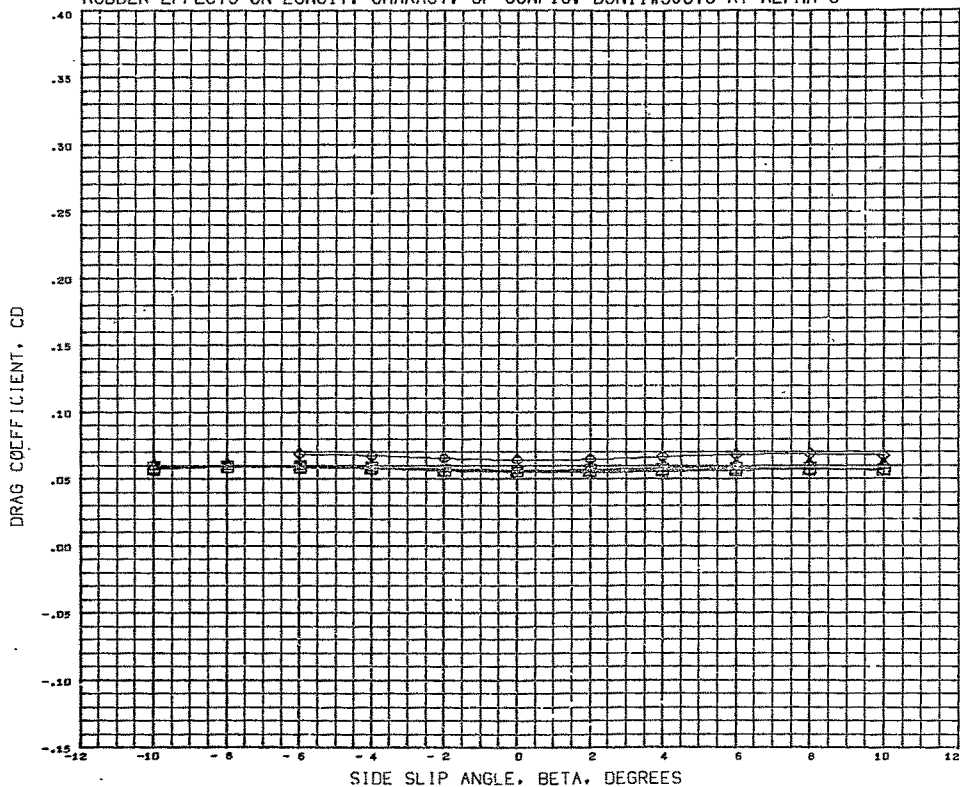
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR0	REFERENCE INFORMATION
(ACZ024)	MCATR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	6.000	0.000			SREF 9.0000 SQ. FT
(ACZ040)	MCATR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	6.000	10.000			LREF 6.0000 FT.
(ACZ054)	MCATR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	6.000	20.000			BREF 6.0000 FT.
(ACZ074)	MCATR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	6.000		10.000	0.000	XNRP 0.8875 REFL
						YNRP 0.0000 FT.
						ZNRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

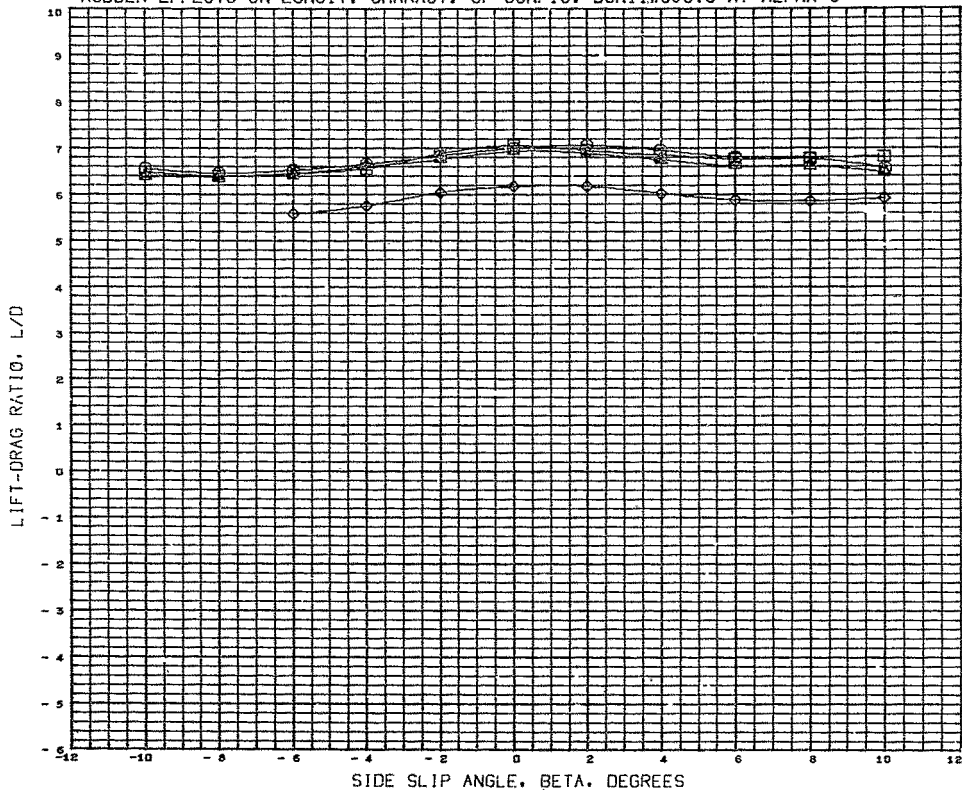
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE	INFORMATION
AC2D24	MCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	6.000	0.000			SREF	9.0000 SQ. FT
AC2D49	MCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	6.000	10.000			LREF	6.0000 FT.
AC2D54	MCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	6.000	20.000			BREF	8.0000 FT.
AC2D74	MCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	6.000		10.000	0.000	XMRP	0.9575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

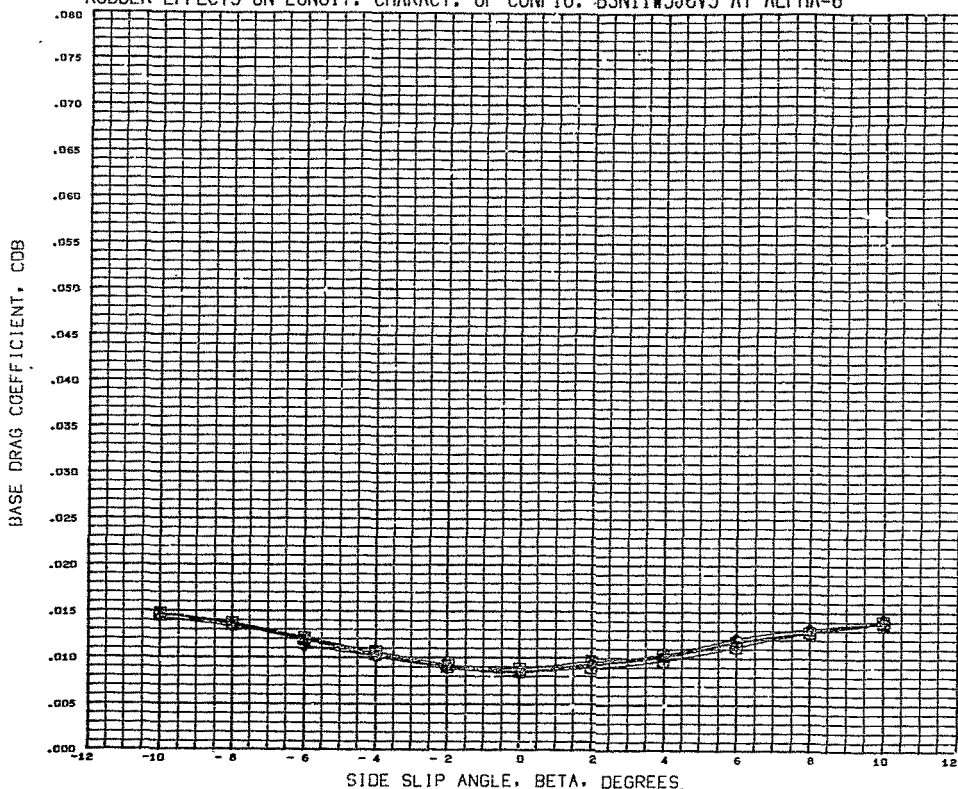
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDDR	RUDDR	REFERENCE INFORMATION
(ACZ054)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000			SREF 9.0000 SQ. FT
(ACZ048)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	10.000			LREF 6.0003 FT.
(ACZ054)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	20.000			BREF 6.0000 FT.
(ACZ074)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000		10.000	0.000	XMRP 0.0575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

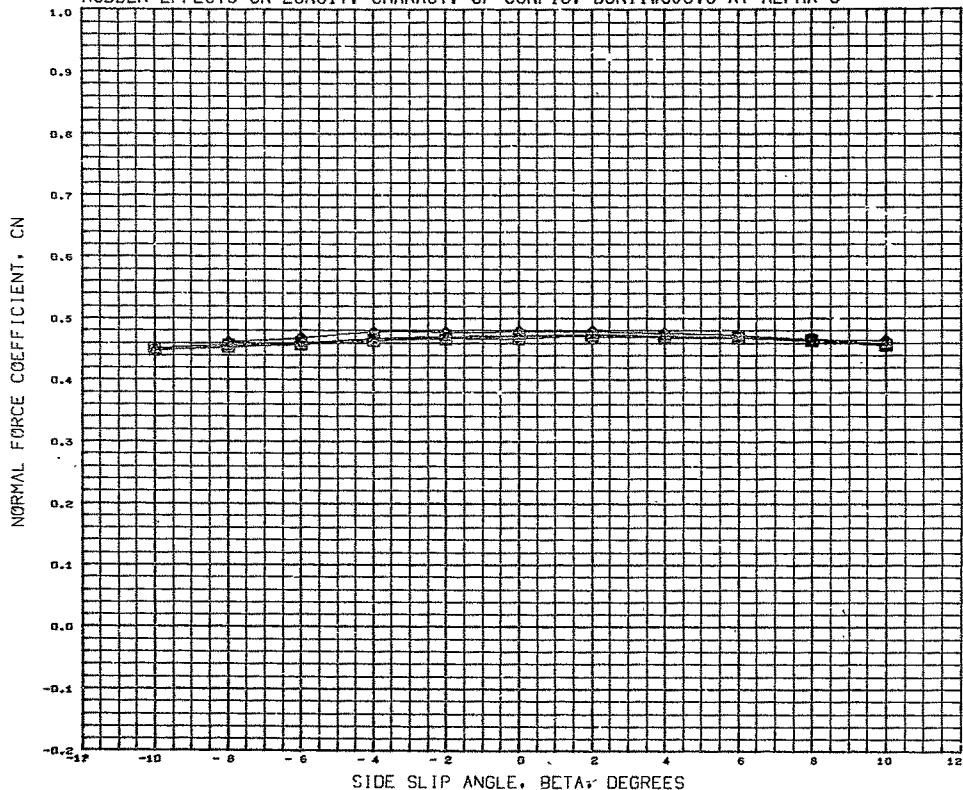
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=6



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDD6	RUDD8	REFERENCE INFORMATION
(AC2024)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	6.000	0.000			SREF 9.0000 SQ. FT
(AC2048)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	6.000	10.000			LREF 6.0000 FI
(AC2054)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	6.000	20.000			BREF 6.0000 FT
(AC2074)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	6.000		10.000	0.000	XMRP 0.0575 REFL
						YMRP 0.0000 FT
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

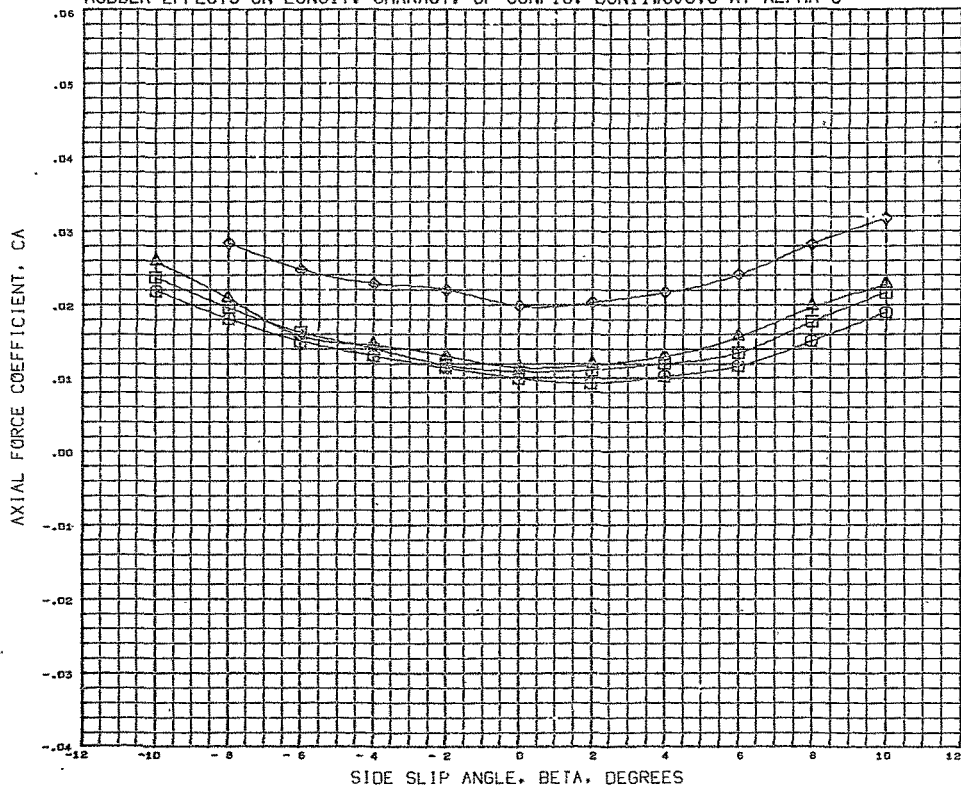
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=8



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE INFORMATION
(BCZ025)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000			SREF 9.0000 SQ. FT
(BCZ049)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	10.000			LREF 6.0000 FT.
(BCZ055)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	20.000			BREF 6.0000 FT.
(BCZ075)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000		10.000	0.000	XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

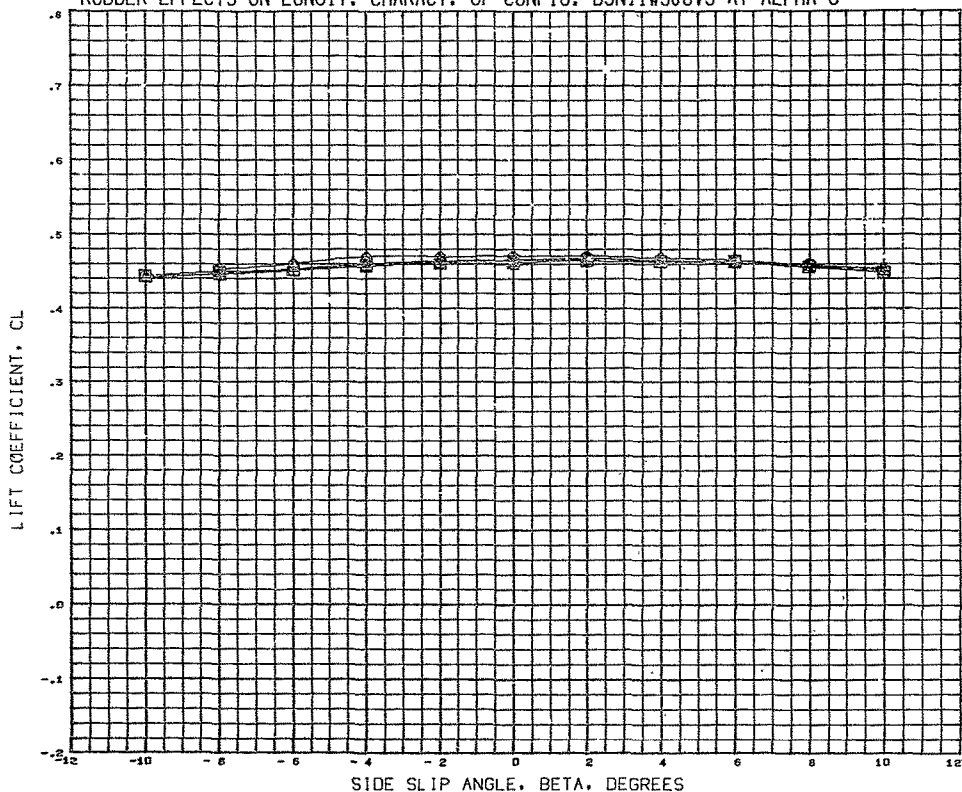
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=8



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE INFORMATION
(BC22029)	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	8.000	0.000			SREF 9.0000 SG. FT
(BC22048)	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	8.000	0.000			LREF 6.0000 FT.
(BC22055)	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	8.000	20.000			BREF 4.0000 FT.
(BC22075)	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	8.000		10.000	0.000	XMRP 0.8575 REFL
						YMRP 0.0500 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=8



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ025)	○	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
(ACZ049)	△	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
(ACZ055)	◇	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
(ACZ075)	□	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9

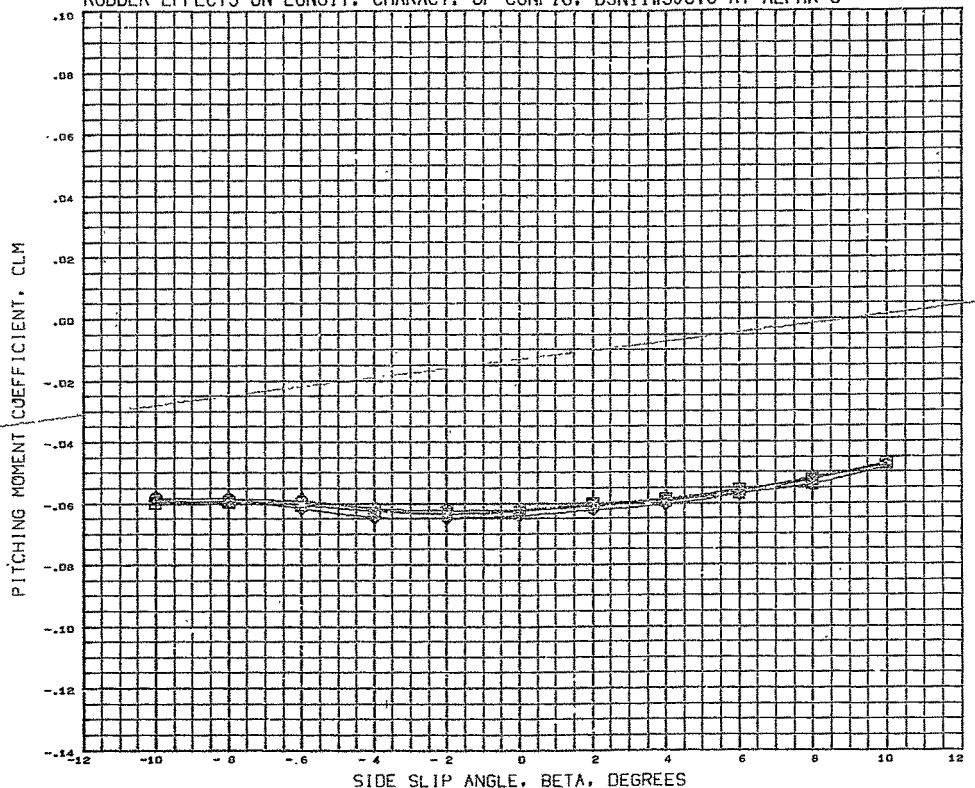
ALPHA	RUDDER	RUDD6	RUDD8
8.000	0.000		
8.000	10.000		
8.000	20.000		
8.000		10.000	0.000

REFERENCE INFORMATION

SREF	9.0000	SG. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
XMRP	0.8575	REF.
YMRP	0.0000	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.260

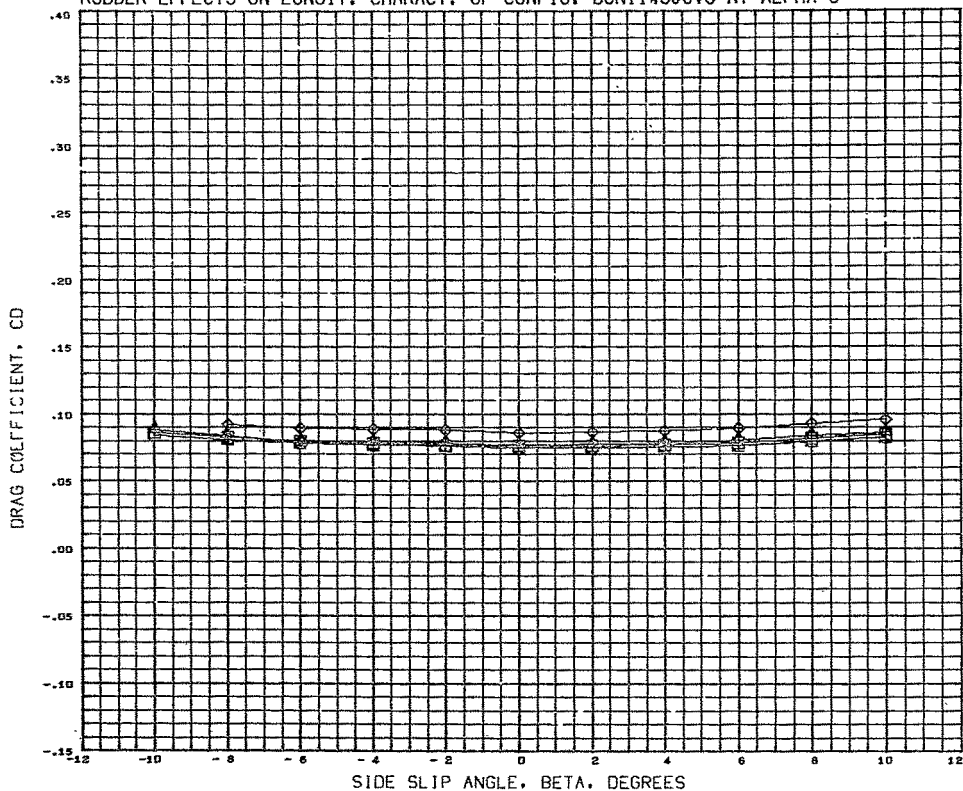
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=8



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDDG	RUDDH	REFERENCE INFORMATION
(ACZ025)	MCAR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	8.000	0.000			SREF 9.0000 SQ. FT
(ACZ049)	MCAR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	8.000	10.000			LREF 6.0000 FT.
(ACZ055)	MCAR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	8.000	20.000			SREF 6.0000 FT.
(ACZ075)	MCAR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	8.000		10.000	0.000	YMRP 0.8575 REFL
						ZMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.266

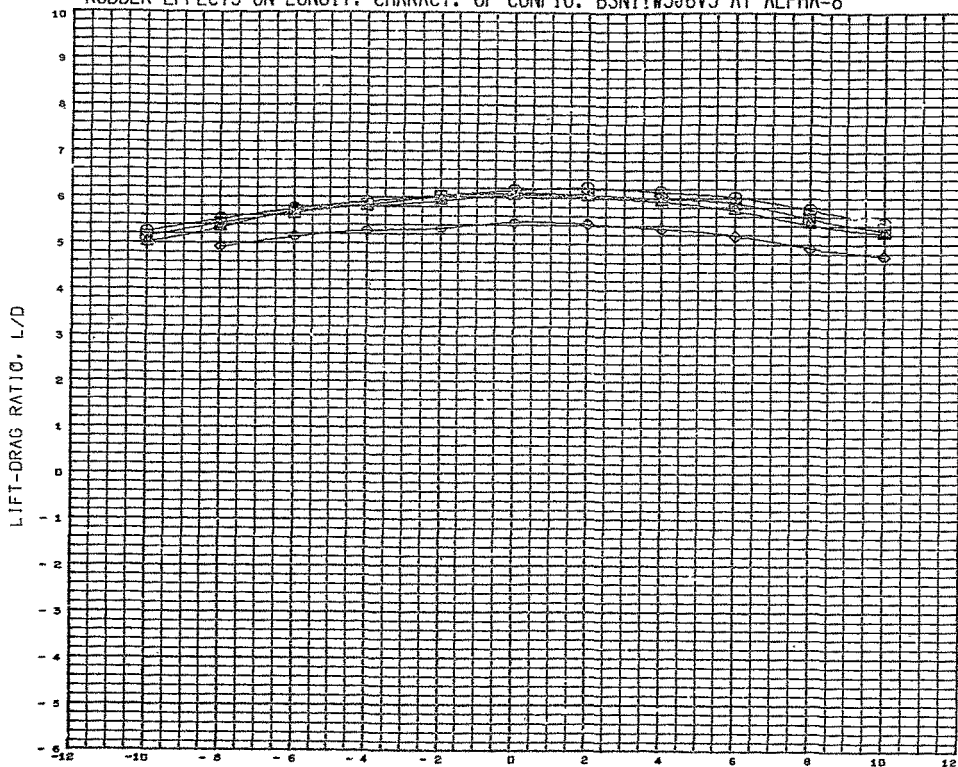
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=8



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE INFORMATION	
(ACZ025)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000			SREF	9.0000 SQ. FT
(ACZ049)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	10.000			LREF	6.0000 FT.
(ACZ055)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	20.000			BREF	6.0000 FT.
(ACZ075)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000		10.000	0.000	XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.265

RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=8



SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

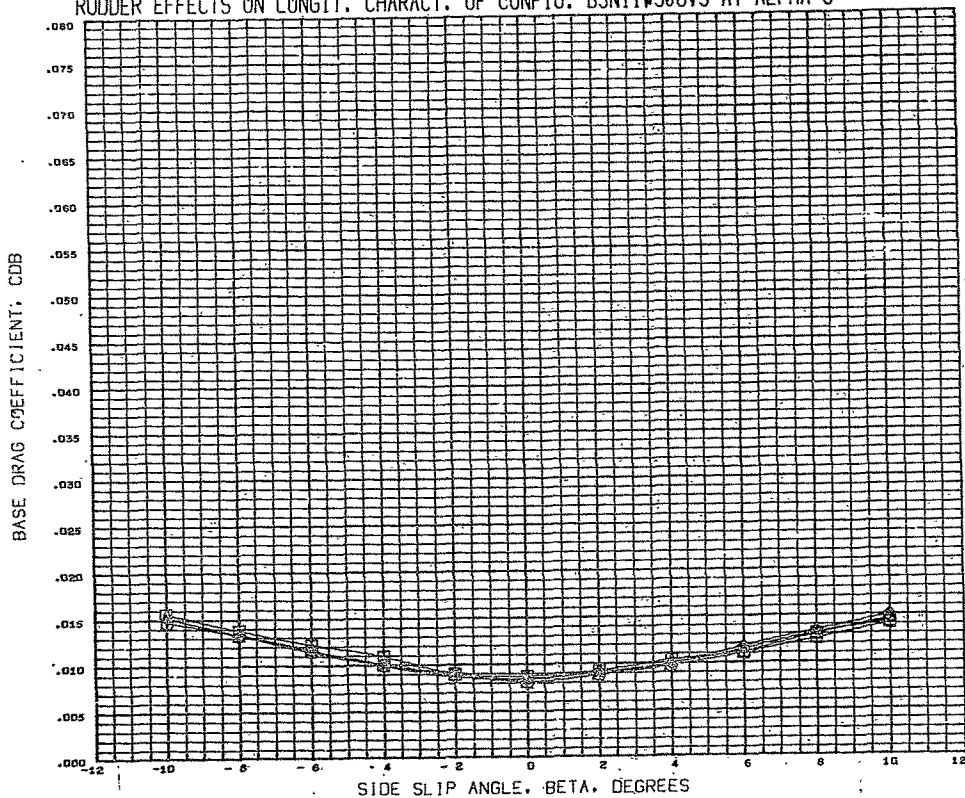
{ACZ025}	△	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9
{ACZ049}	△	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9
{ACZ055}	○	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9
{ACZ075}	□	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9

ALPHA	RUDDER	RUDR5	RUDR8
8.000	0.000		
8.000	10.000		
8.000	20.000		
8.000		10.000	0.000

REFERENCE INFORMATION		
SREF	9.0000	59. FT
LRFP	6.0000	FT.
BRFP	6.0000	FT.
XHRP	0.6575	REFL
YHRP	0.0000	FT.
ZHRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.260

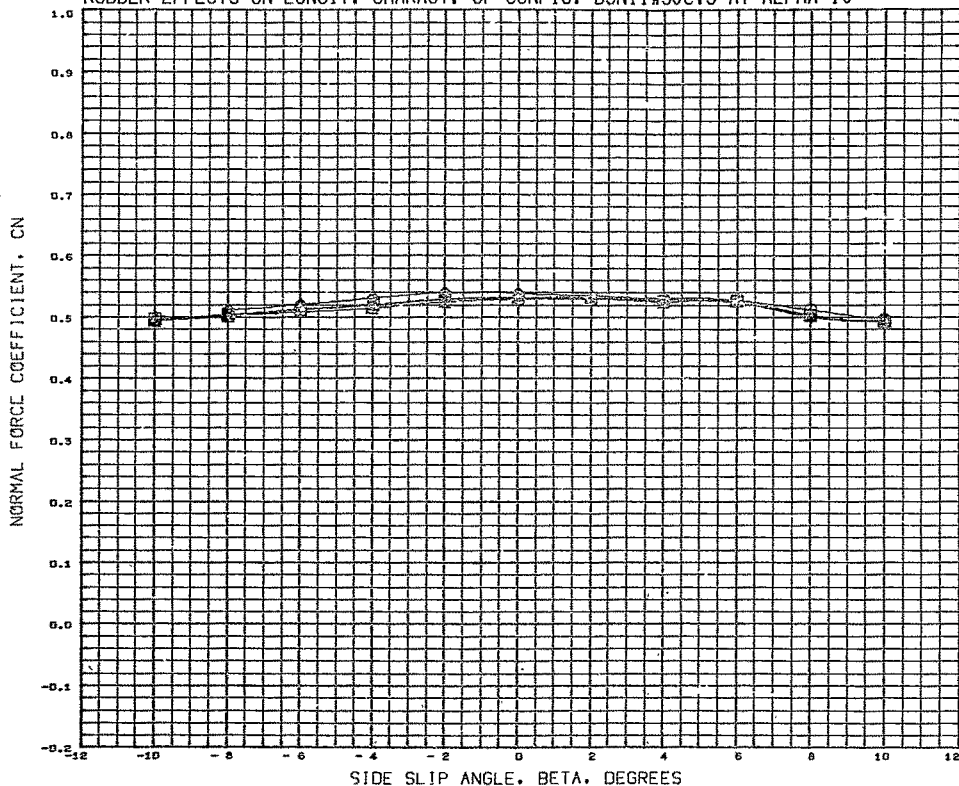
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=8



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE INFORMATION	
(AC2025)	MCAIR LSWT 258 3.DPCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000			SREF	9.0000 SQ. FT
(AC2049)	MCAIR LSWT 258 3.DPCT MDAC/MHC BOOST B3N11W5J6V9	8.000	10.000			LREF	6.0000 FT.
(AC2055)	MCAIR LSWT 258 3.DPCT MDAC/MHC BOOST B3N11W5J6V9	8.000	20.000			BREF	6.0000 FT.
(AC2075)	MCAIR LSWT 258 3.DPCT MDAC/MHC BOOST B3N11W5J6V9	8.000		10.000	0.000	ZWRP	0.9375 REFL
						YMRP	0.0900 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

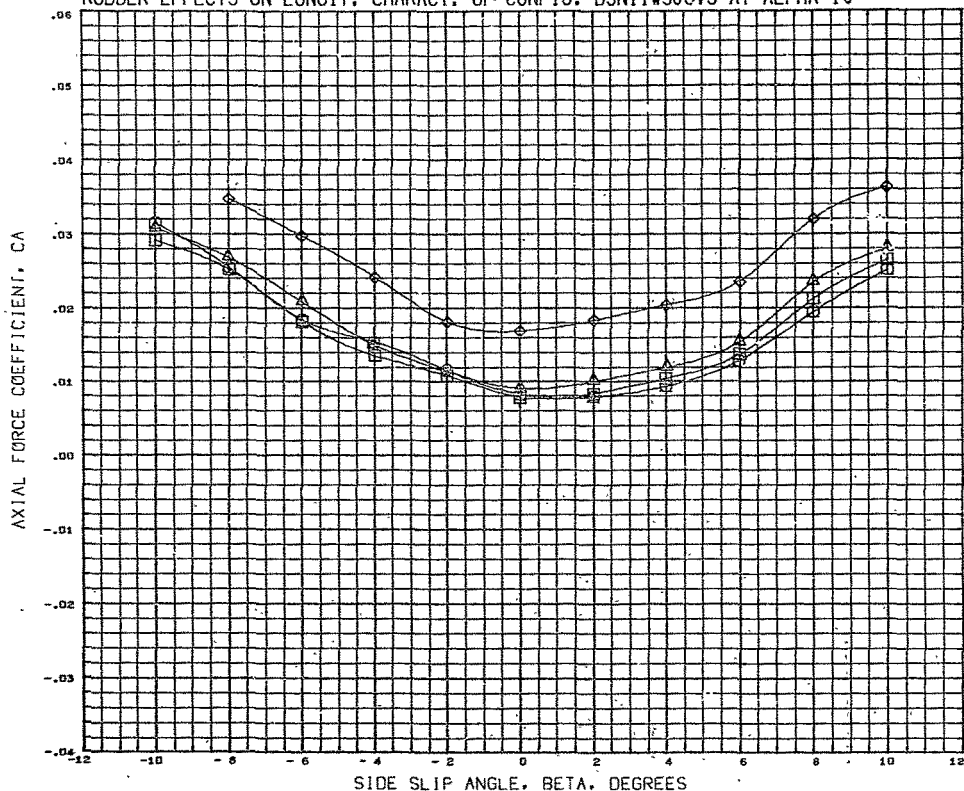
MACH 0.260

RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10



DATA SET SYMBOL		CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE INFORMATION	
(B3C2026)	○	MCAIR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	0.000			SREF	9.0000 SQ. FT
(B3C2050)	△	MCAIR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	10.000			LREF	6.0000 FT.
(B3C2056)	◇	MCAIR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	20.000			BREF	5.0000 FT.
(B3C2076)	□	MCAIR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000		10.000	0.000	XHRP	0.6575 REFL
							YHRP	0.0000 FT.
							ZHRP	0.0100 REFL
							SCALE	0.0300 SCALE
MACH		0.260						

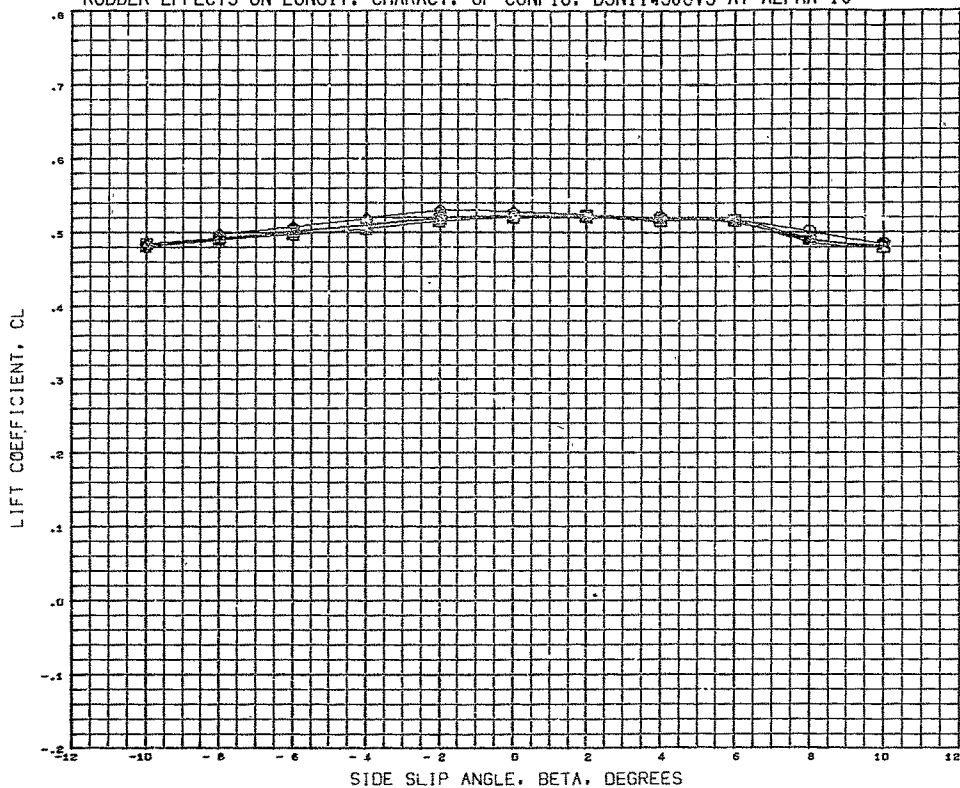
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE INFORMATION
(BCZ026)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	0.000			SREF 9.0000 SQ. FT
(BCZ050)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	10.000			LREF 6.0000 FT.
(BCZ056)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	20.000			BREF 4.0000 FT.
(BCZ076)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000		10.000	0.000	XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

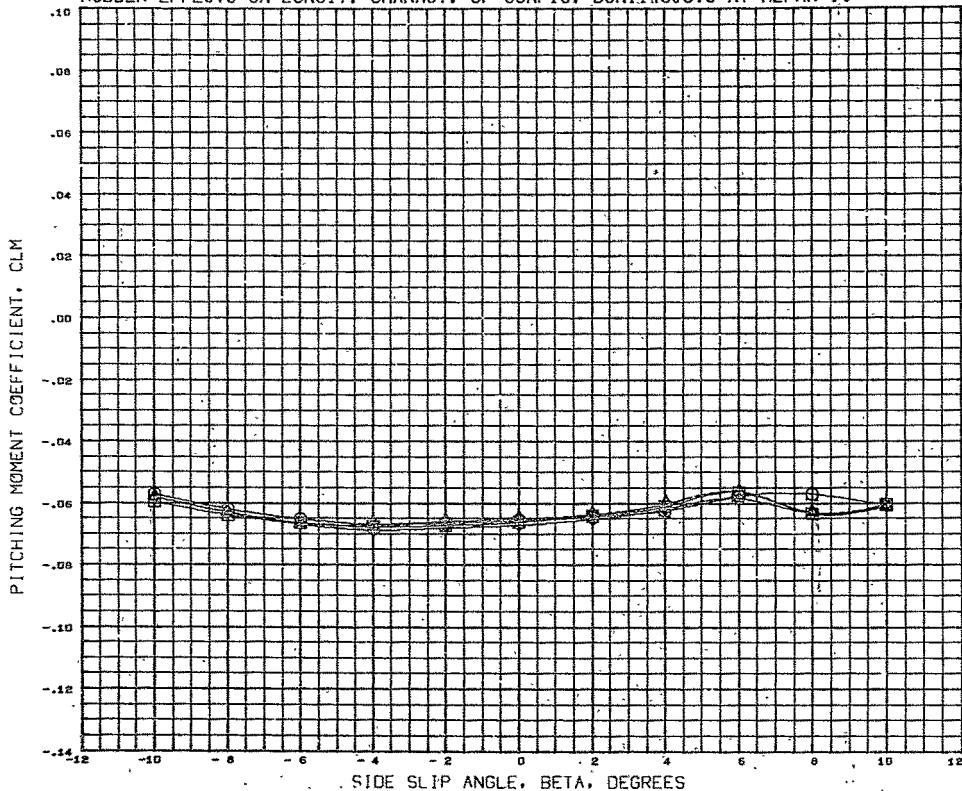
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR0	RUDR0	REFERENCE INFORMATION
(AC2026)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	0.000			SREF 9.0000 SQ. FT
(AC2026)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	10.000			LREF 6.0000 FT.
(AC2026)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	20.000			BREF 6.0000 FT.
(AC2026)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000		10.000	0.000	YHRP 0.0000 FT.
						ZHRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

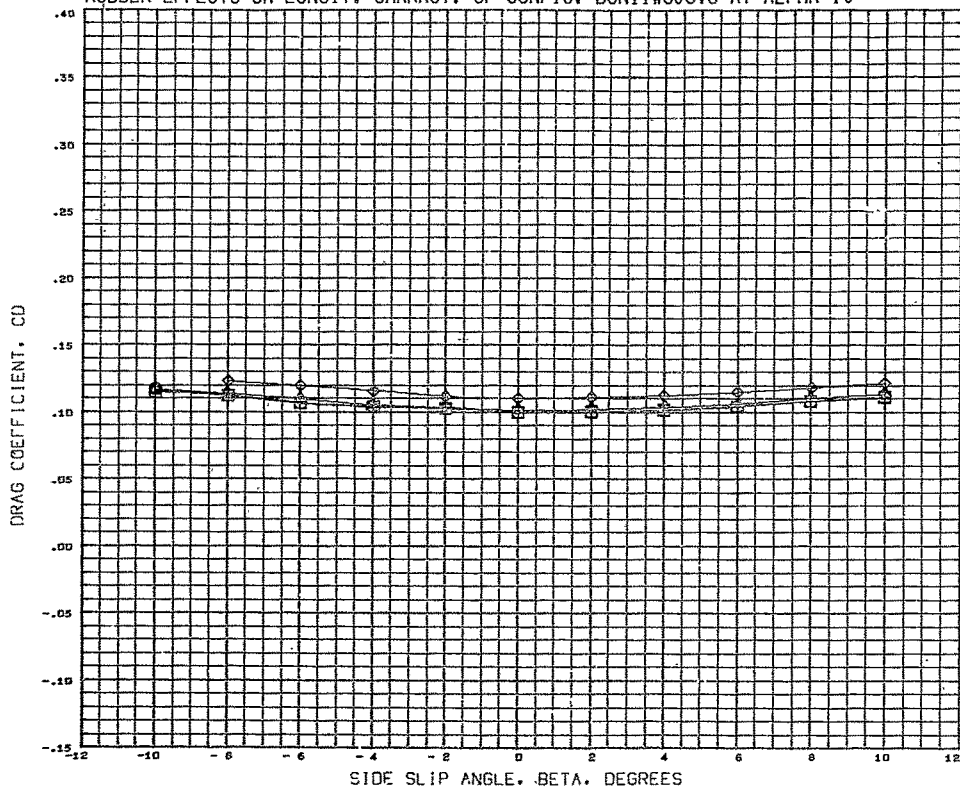
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDDG	RUDD8	REFERENCE INFORMATION
(ACZ026)	MCAR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000	0.000			SREF 9.0000 SG. FT
(ACZ050)	MCAR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000	10.000			LRFP 6.0000 FT.
(ACZ056)	MCAR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000	20.000			BREF 6.0000 FT.
(ACZ076)	MCAR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000		10.000	0.000	XMRP 0.8375 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

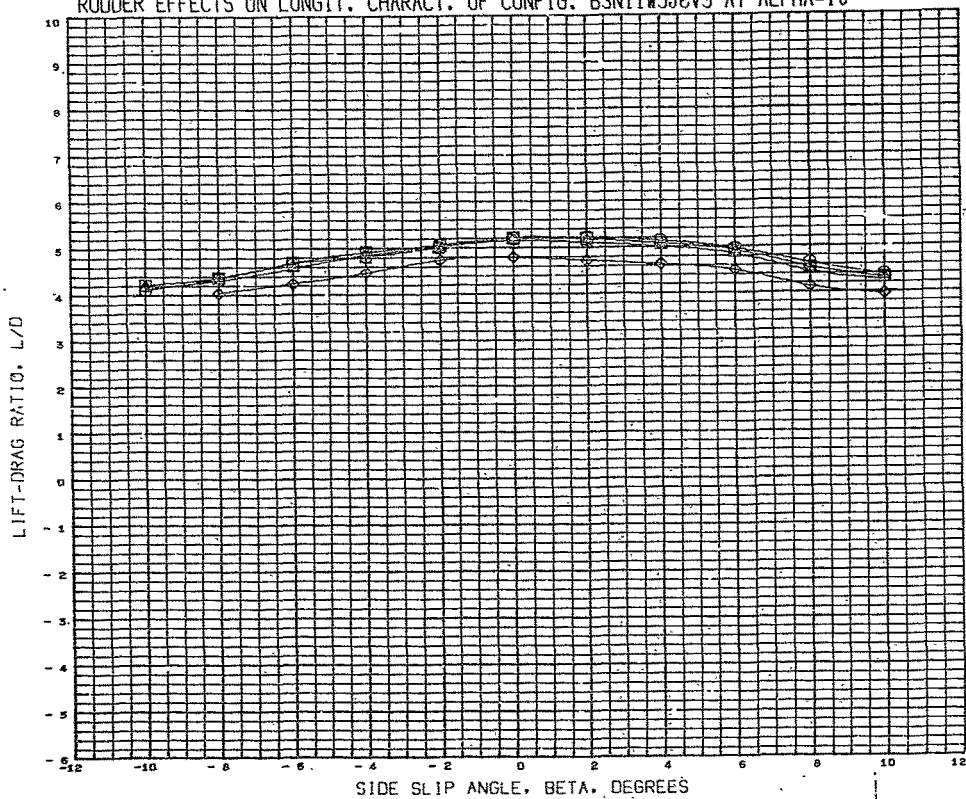
MACH 0.260

RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE INFORMATION
(ACZ0266)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	0.000			SREF 9.0000 SQ. FT
(ACZ0559)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	10.000			LREF 6.0000 FT.
(ACZ0556)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	20.000			BREF 6.0000 FT.
(ACZ076)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000		10.000	0.000	XMRP 0.0575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE
MACH	0.260					

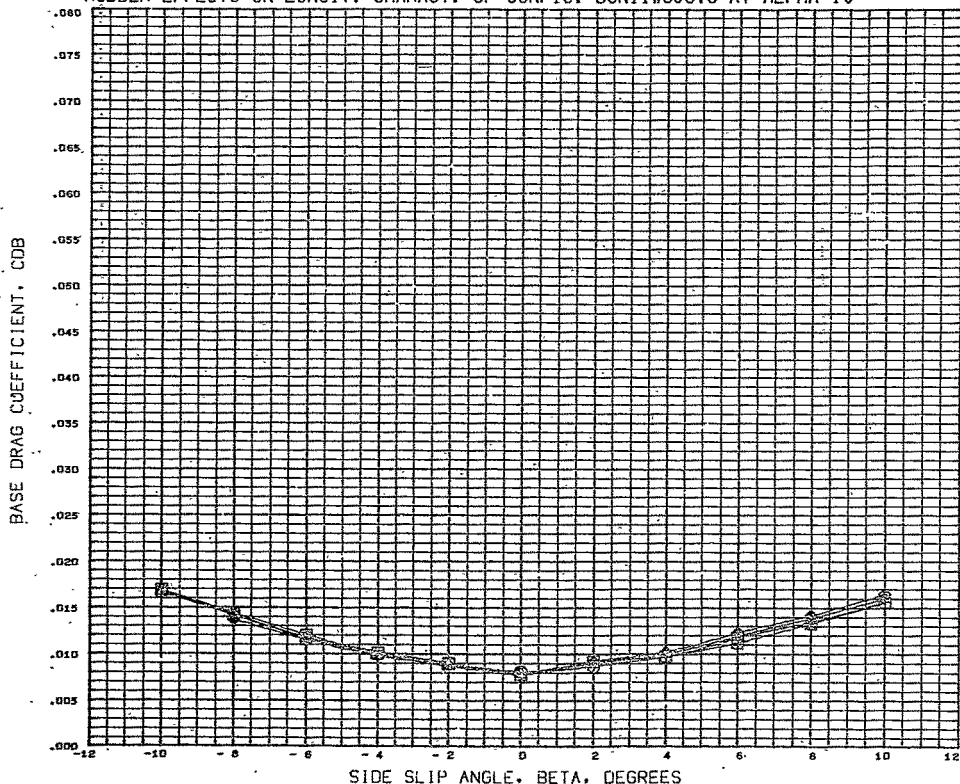
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10°



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE INFORMATION
(ACZ026)	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	10.000	0.000			SREF 9.0000 SQ. FT
(ACZ050)	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	10.000	10.000			LREF 6.0001 FT
(ACZ056)	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	10.000	20.000			BREF 6.0030 FT
(ACZ076)	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	10.000		10.000	0.000	XNRP 0.6875 REFL
						YNRP 0.0000 FT
						ZNRP 0.0000 REFL
						SCALE 0.0000 SCALE

MACH 0.260

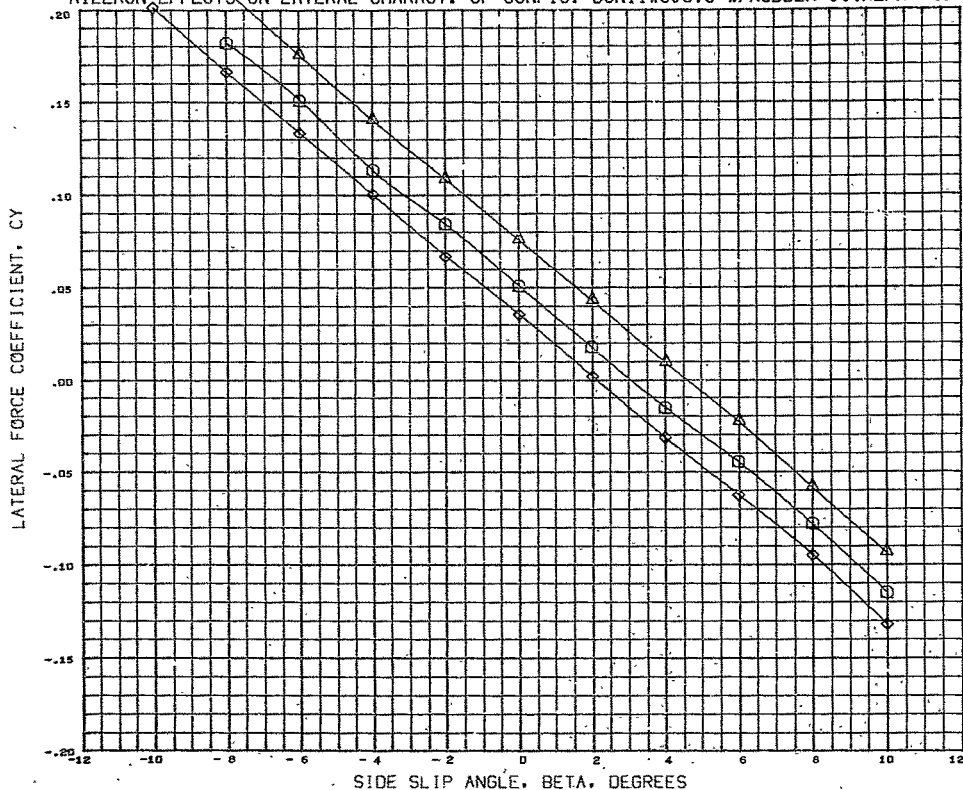
RUDDER EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 AT ALPHA=10



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	RUDDER	RUDR6	RUDR8	REFERENCE INFORMATION
(ACZ026)	Q MCAIR LSMT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6V9	10.000	0.000			SREF 9.0000 SQ. FT
(ACZ050)	A MCAIR LSMT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6V9	10.000	10.000			LREF 6.0000 FT.
(ACZ056)	D MCAIR LSMT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6V9	10.000	20.000			BREF 5.0000 FT.
(ACZ076)	S MCAIR LSMT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6V9	10.000		10.000	0.000	XMRP 0.0575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.265

AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=-4)



SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION

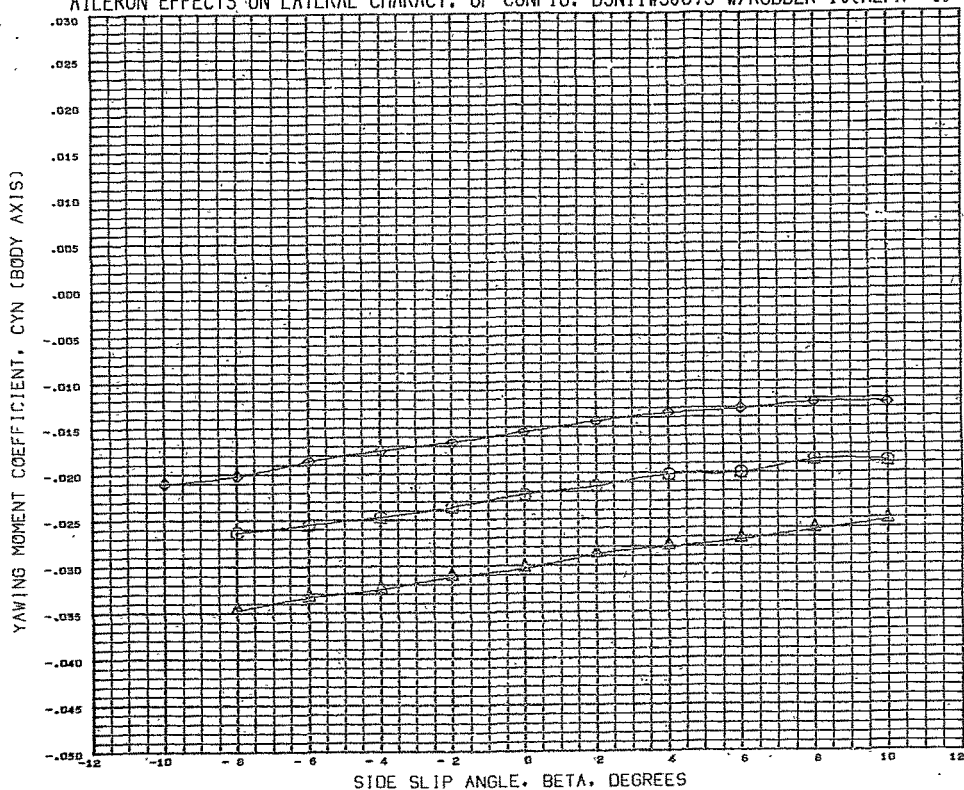
(BCZD45)	○	MCAIR LSMT 258 3.0PCT WDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	10.000
(BCZD6D)	△	MCAIR LSMT 258 3.0PCT WDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	20.000	10.000
(BCZD66)	◇	MCAIR LSMT 258 3.0PCT WDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	-20.000	10.000

ALPHA	ELEVON	AILRON	RUDDER
-4.000	0.000	0.000	10.000
-4.000	0.000	20.000	10.000
-4.000	0.000	-20.000	10.000

REFERENCE INFORMATION	
SREF	9.0000 SQ. FT
LREF	6.0000 FT.
BREF	6.0000 FT.
XMRP	0.6575 REFL
YMRP	0.0000 FT.
ZMRP	0.0100 REFL
SCALE	0.0300 SCALE

MACH 0.280

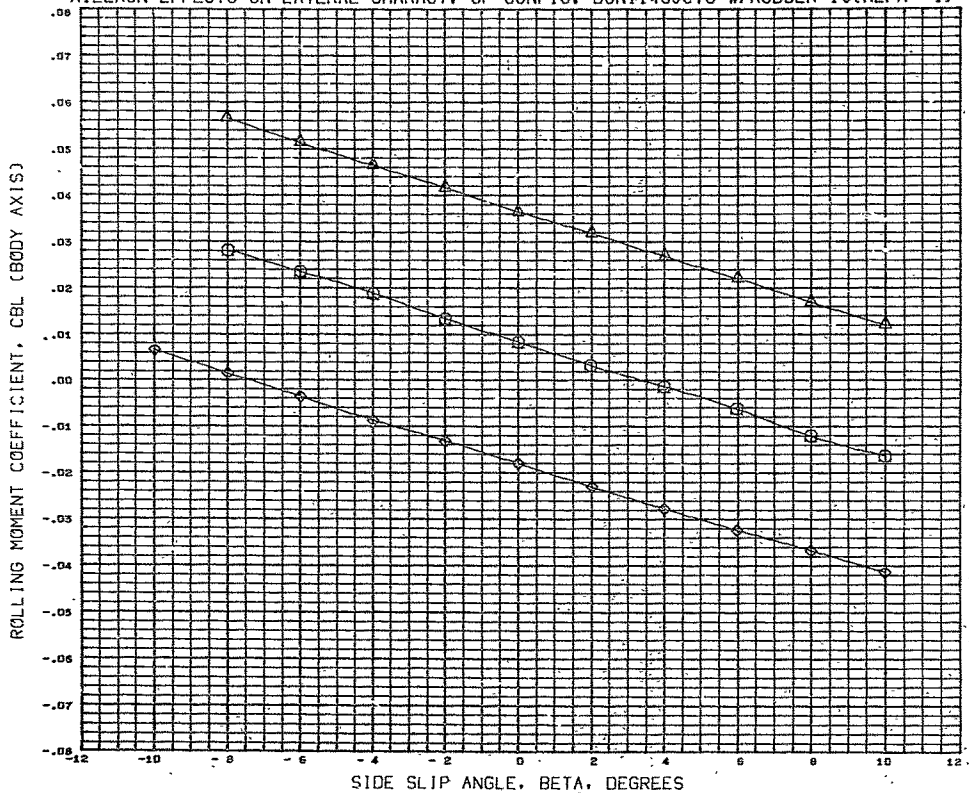
AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=-4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION
(BC2045)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	10.000	SREF	9.0000 Sq.
(BC2060)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	20.000	10.000	LREF	6.0000 FT.
(BC2066)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	-20.000	10.000	BREF	6.0000 FT.
						XNRP	0.6575 REFL
						YNRP	0.0000 FT.
						ZNRP	0.0100 REFL
						SCALE	0.0300 SCAL

MACH 0.250

AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=-4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BC2045)	MAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(BC2060)	MAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	20.000	10.000	LREF	6.0000 FT.
(BC2066)	MAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	-20.000	10.000	BREF	6.0000 FT.
						XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=-4)

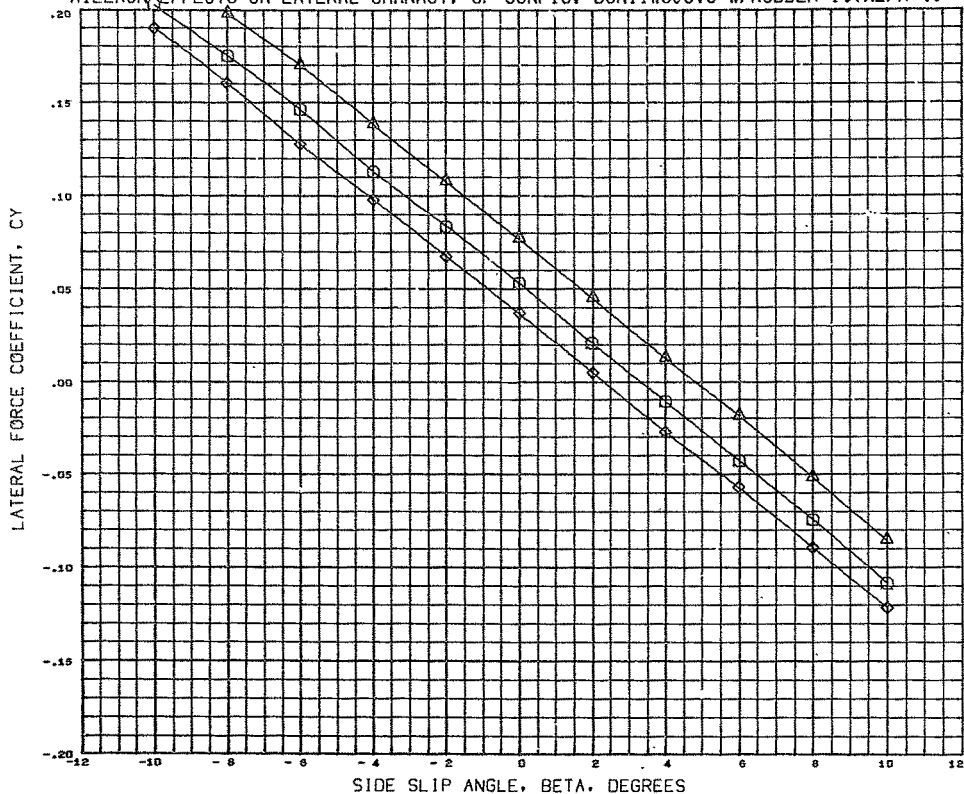


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BC2045)	Q MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(BC2060)	Q MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	20.000	10.000	LREF	6.0000 FT.
(BC2066)	Q MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	-20.000	10.000	BREF	6.0000 FT.
						XMRP	0.6575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

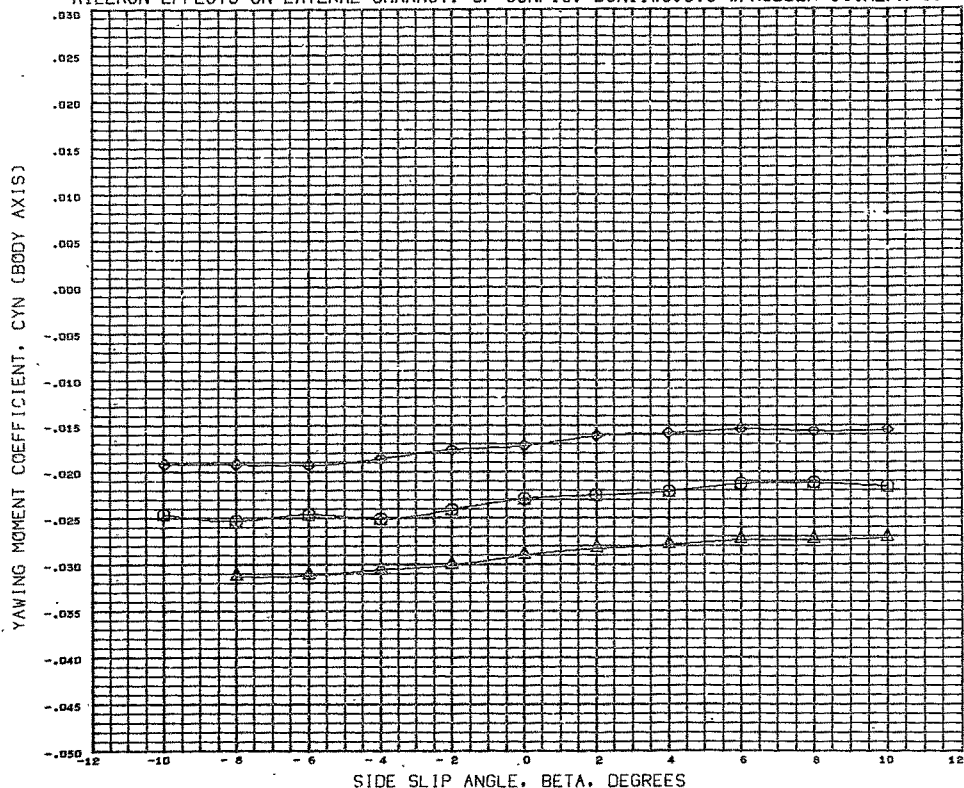
AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(8CZ046)	Q MCAIR LSWT 250 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	10.000	SREF 9.0000 SQ. FT
(8CZ061)	△ MCAIR LSWT 250 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	20.000	10.000	LREF 6.0000 FT.
(8CZ067)	◇ MCAIR LSWT 250 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	-20.000	10.000	SREF 0.0010 FT.
						XMRP 0.6575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

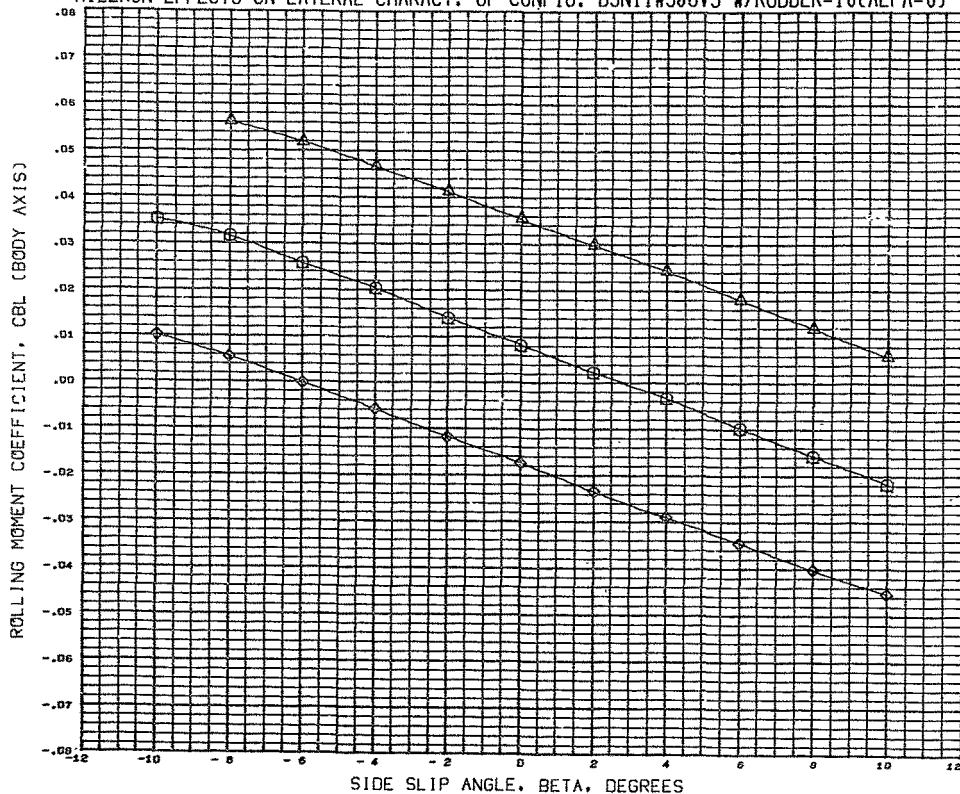
AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION:	
(BCZ046)	MCALR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT.
(BCZ061)	MCALR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	20.000	10.000	LREF	6.0000 FT.
(BCZ067)	MCALR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	-20.000	10.000	SREF	6.0000 FT.
						ZWRP	0.8575 REFL
						ZMRP	0.0000 FT.
						ZNRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

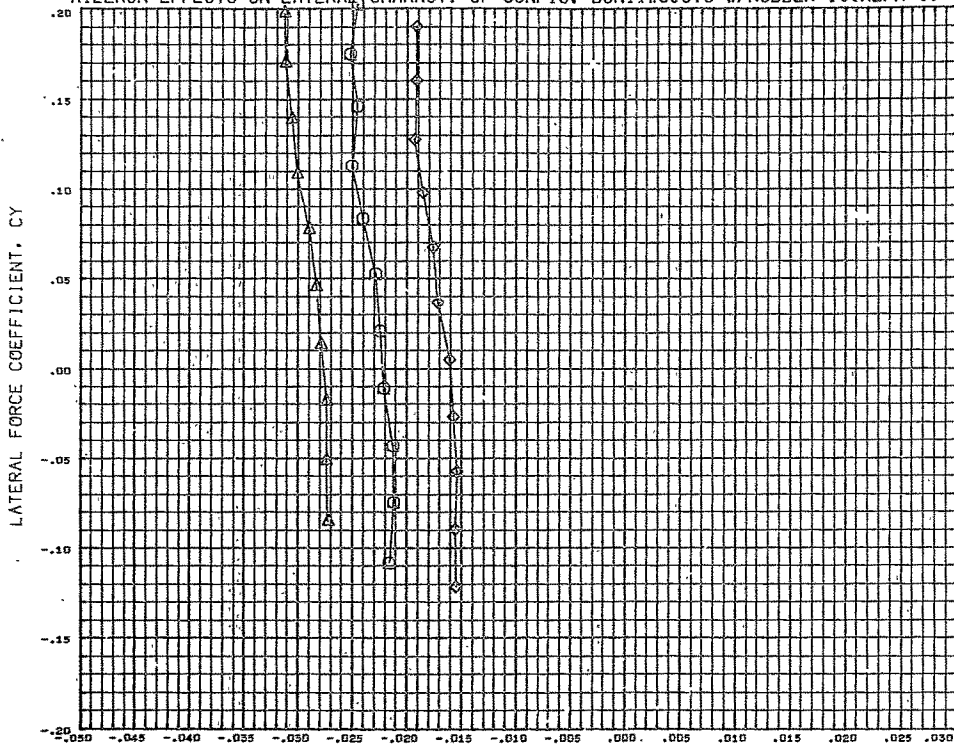
AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10 (ALFA=0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILERON	RUDDER	REFERENCE INFORMATION	
(BC2046)	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	0.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(BC2061)	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	0.000	0.000	20.000	10.000	LREF	6.0000 FT.
(BC2067)	MCAIR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	0.000	0.000	-20.000	10.000	BREF	6.0000 FT.
						XMRP	0.6575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=0)

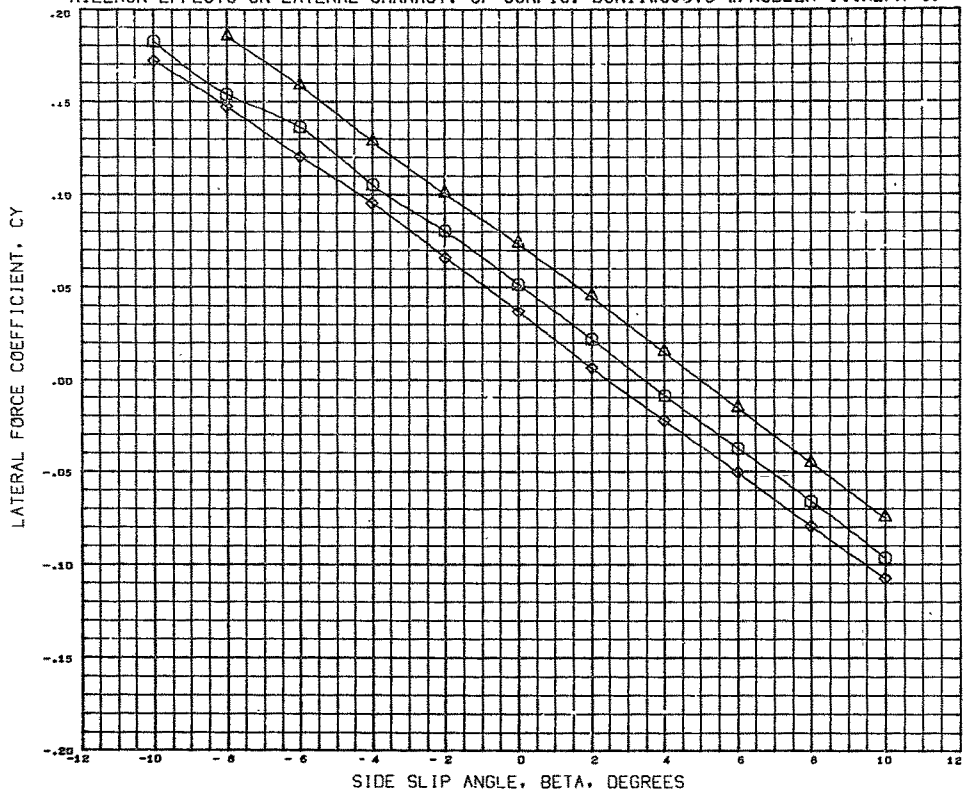


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ046)	MCATR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	0.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(BCZ061)	MCATR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	0.000	0.000	20.000	10.000	LREF	6.0000 FT.
(BCZ067)	MCATR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	0.000	0.000	-20.000	10.000	BREF	6.0030 FT.
						YMRP	0.8575 REFL
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

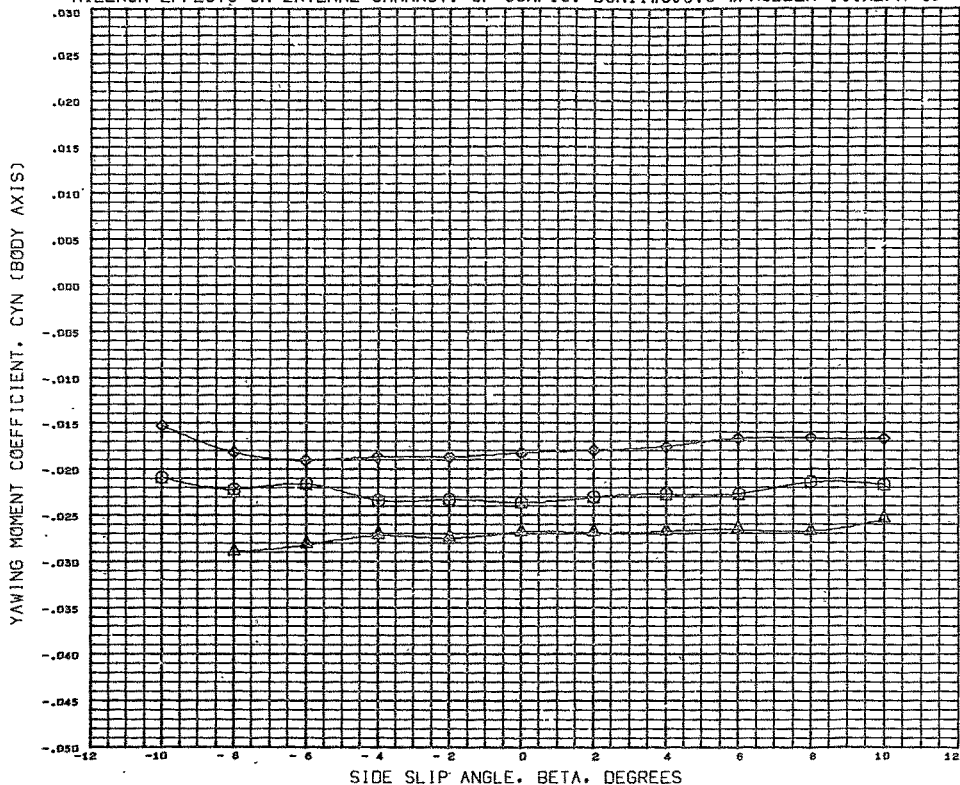
AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10 (ALFA=4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ047)	MAIR LSWT 250 3.0PCT MDAC/MAC BOOST B3N11W5J6V9	4.000	0.000	0.000	10.000	SREF 9.0000 SQ. FT
(BCZ062)	MAIR LSWT 250 3.0PCT MDAC/MAC BOOST B3N11W5J6V9	4.000	0.000	20.000	10.000	LREF 6.0000 FT.
(BCZ068)	MAIR LSWT 250 3.0PCT MDAC/MAC BOOST B3N11W5J6V9	4.000	0.000	-20.000	10.000	BREF 6.0000 FT.
						XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

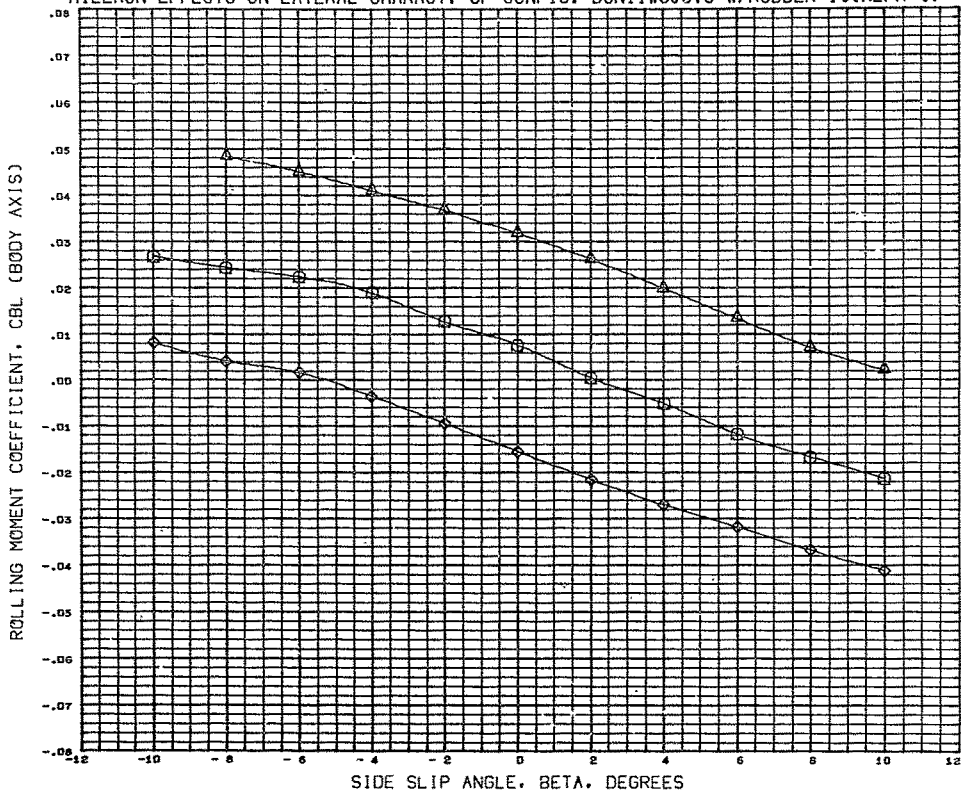
AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILERON	RUDDER	REFERENCE INFORMATION	
(BC2047)	MCAIR LSMT 250 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	4.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(BC2062)	MCAIR LSMT 250 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	4.000	0.000	20.000	10.000	LREF	6.0000 FT.
(BC2060)	MCAIR LSMT 250 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	4.000	0.000	-20.000	10.000	BREF	6.0000 FT.
						XMRP	0.0375 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

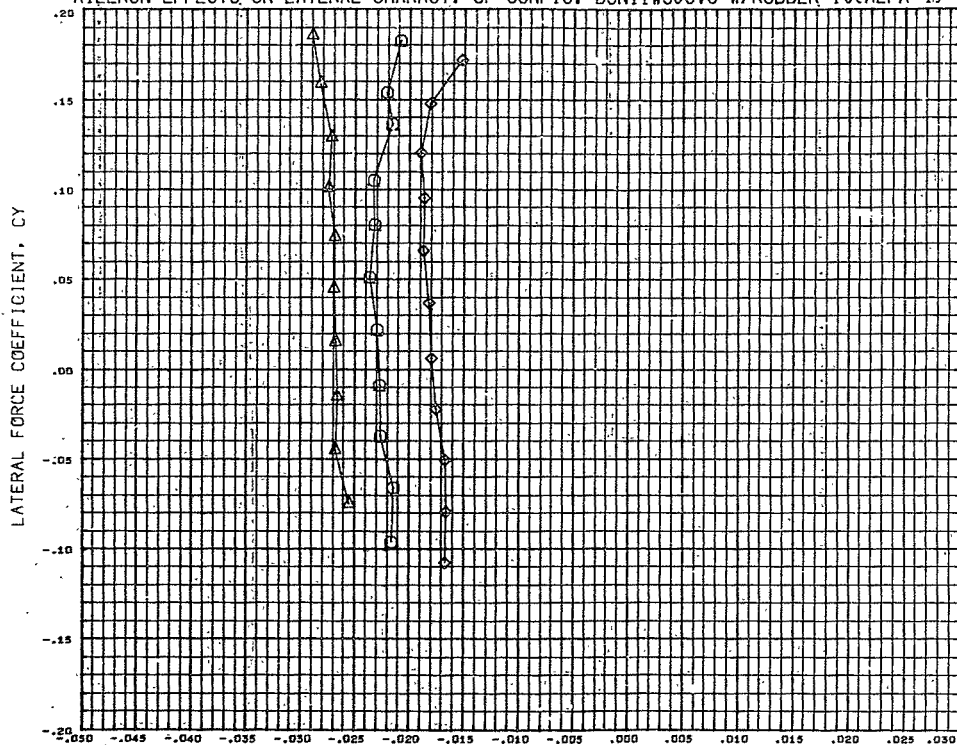
AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ047)	MCAIR LSWT 250 3.0PCT MDAC/MNC 8003T B3N11W5J6V9	4.000	0.000	0.000	10.000	SREF 9.0000 SQ. FT
(BCZ062)	MCAIR LSWT 250 3.0PCT MDAC/MNC 8003T B3N11W5J6V9	4.000	0.000	20.000	10.000	LREF 6.0000 FT.
(BCZ068)	MCAIR LSWT 250 3.0PCT MDAC/MNC 8003T B3N11W5J6V9	4.000	0.000	-20.000	10.000	BREF 6.0000 FT.
						XMRP 0.0575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=4)

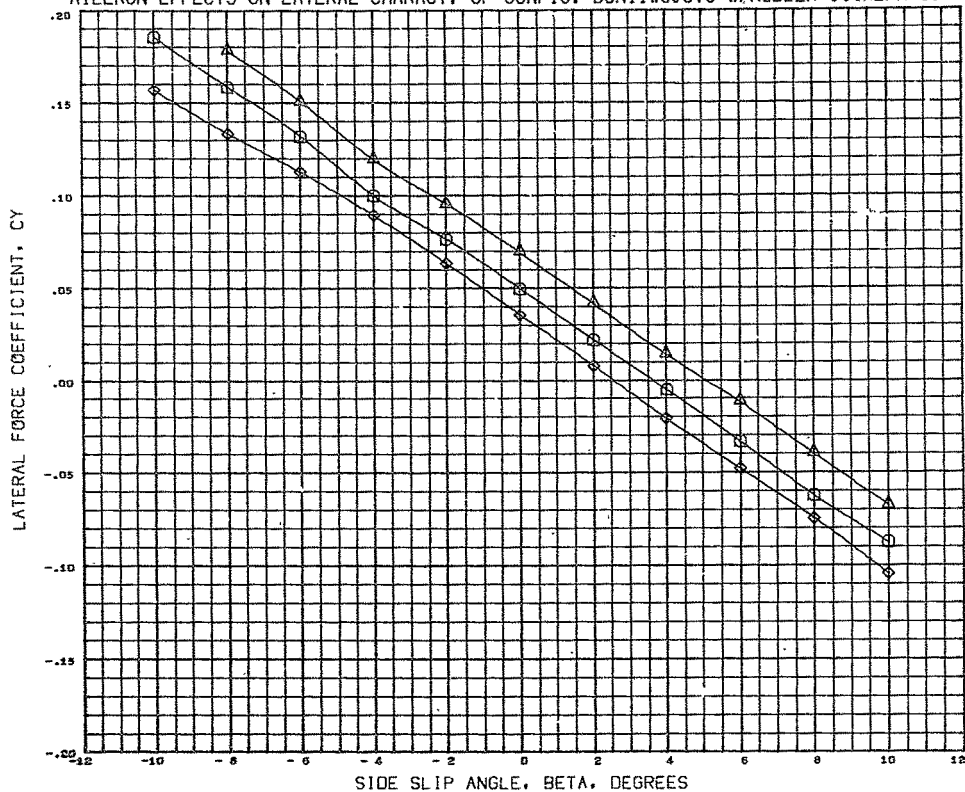


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ047)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(BCZ062)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	20.000	10.000	LREF	6.0000 FT.
(BCZ068)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	-20.000	10.000	RREF	6.0000 FT.
						YNRP	0.8875 REFL
						ZMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

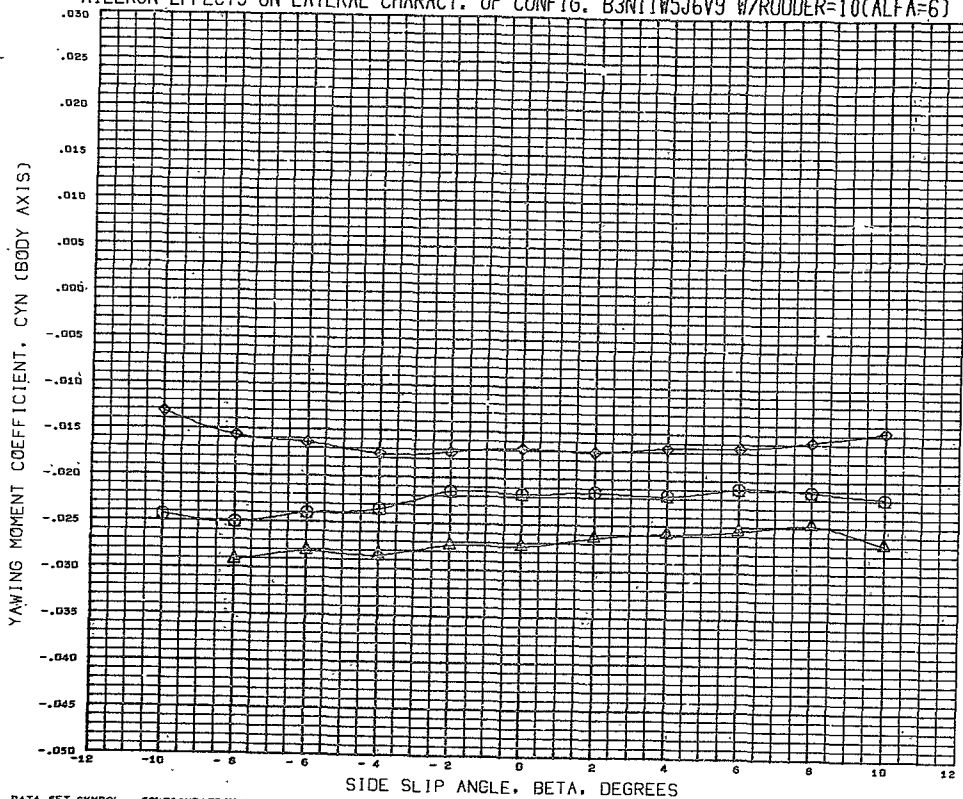
AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=6)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ048)	MCALR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(BCZ063)	MCALR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	20.000	10.000	LREF	6.0000 FT.
(BCZ069)	MCALR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	-20.000	10.000	BREF	5.0000 FT.
						XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

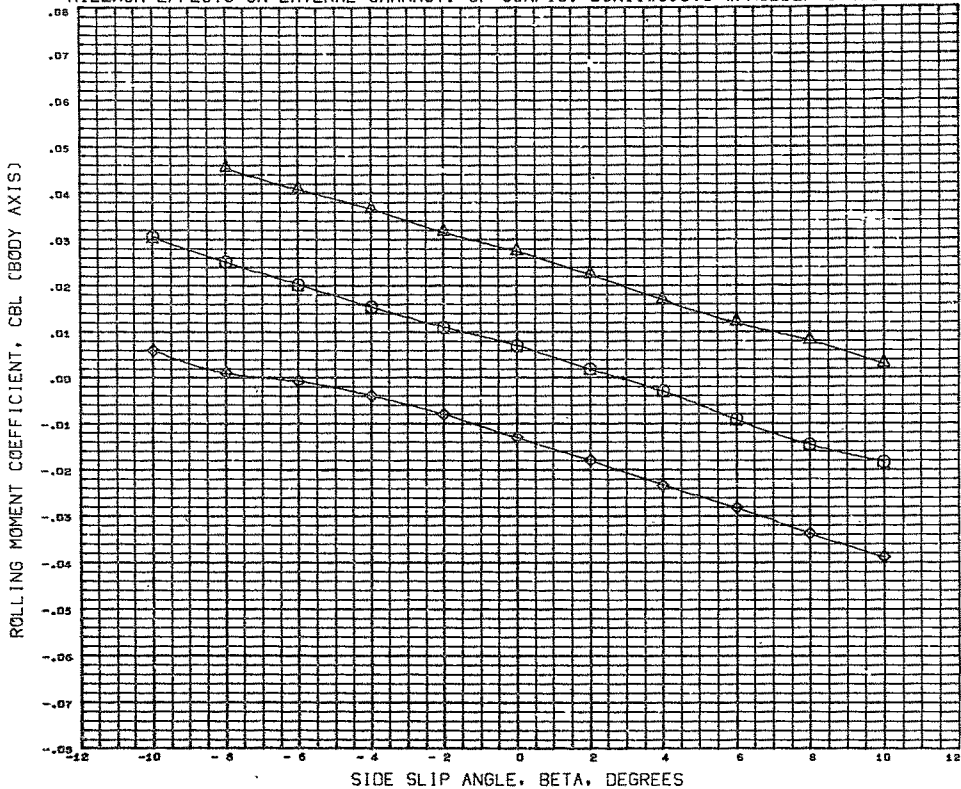
AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=6)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ048)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	0.000	10.000	SREF 9.0000 -SQ. FT
(BCZ063)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	20.000	10.000	LRFF 6.0000 -FT.
(BCZ069)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	-20.000	10.000	BRFF 6.0000 FT.
						XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.265

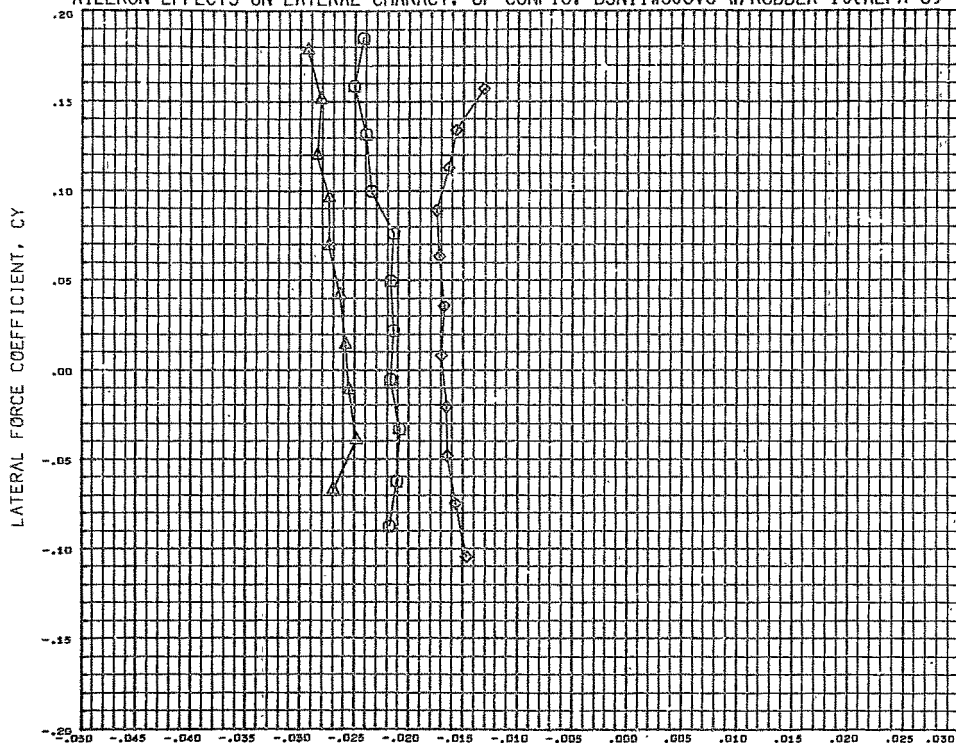
AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=6)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION
(BC2048)	MCALR LSWT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6V9	6.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(BC2063)	MCALR LSWT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6V9	6.000	0.000	20.000	10.000	LREF	6.0000 FT.
(BC2069)	MCALR LSWT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6V9	6.000	0.000	-20.000	10.000	BREF	6.0000 FT.
						YMRP	0.8575 REFL
						ZMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=6)

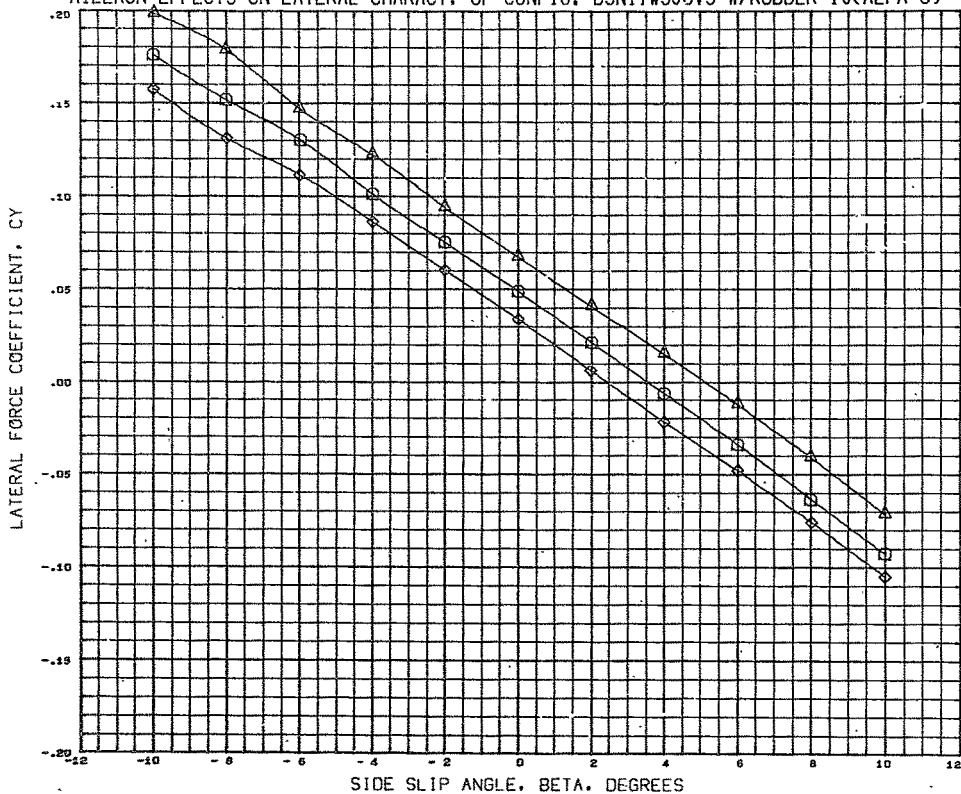


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BC2D48)	○	HCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(BC2D63)	△	HCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	20.000	10.000	LREF	8.0000 FT.
(BC2D69)	◇	HCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	-20.000	10.000	BREF	8.0000 FT.
							XMRP	0.8575 REFL
							VMRP	0.0000 FT.
							ZMRP	0.0100 REFL
							SCALE	0.0300 SCALE

MACH 0.250

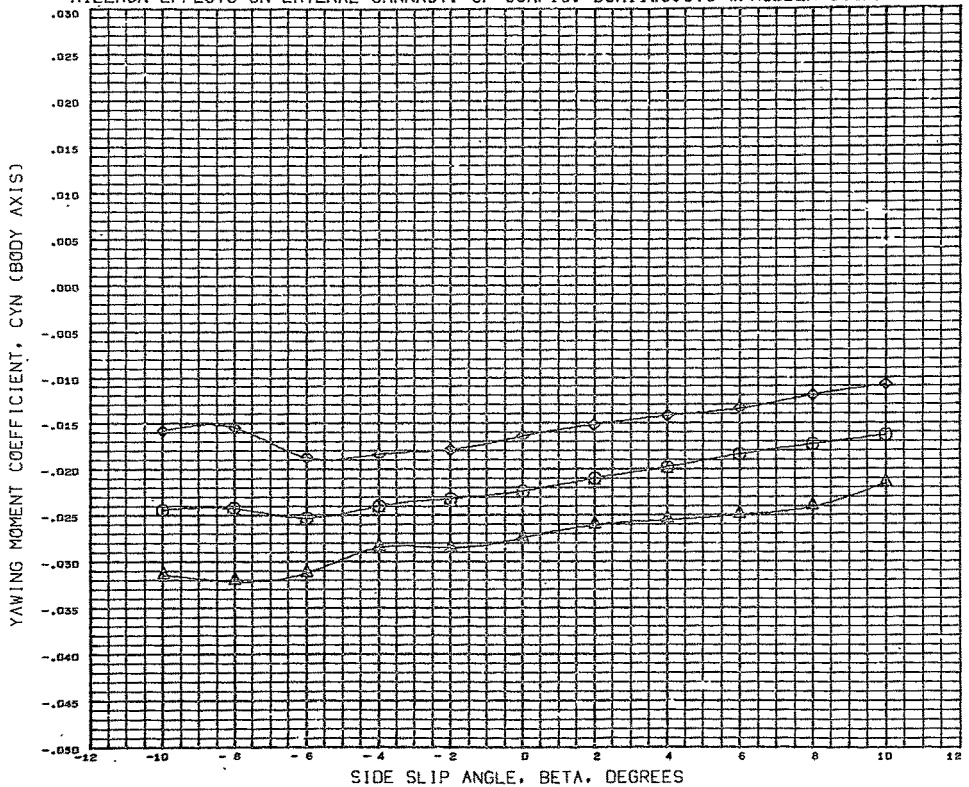
AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=8)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ049)	□	HCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	8.000	0.000	0.000	10.000	SREF 9.0000 SQ. FT
(BCZ064)	△	HCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	8.000	0.000	20.000	10.000	LREF 6.0000 FT.
(BCZ070)	◇	HCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	8.000	0.000	-20.000	10.000	BREF 6.0000 FT.
							XWRP 0.8575 REFL
							YWRP 0.0000 FT.
							ZWRP 0.0100 REFL
							SCALE 0.0300 SCALE

MACH 0.260

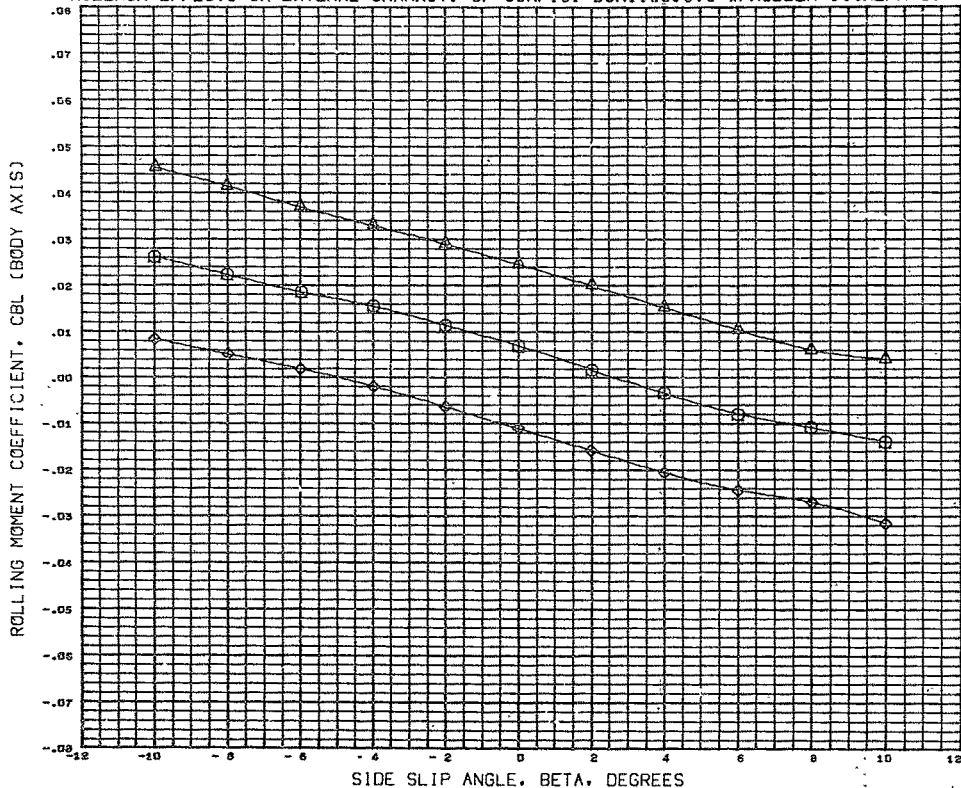
AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10 (ALFA=8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BC2049)	MAIR LSWT 256 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	8.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(BC2064)	MAIR LSWT 256 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	8.000	0.000	20.000	10.000	LREF	6.0000 FT.
(BC2070)	MAIR LSWT 256 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	8.000	0.000	-20.000	10.000	BREF	6.0000 FT.
						XHRP	0.8578 REFL
						YHRP	0.0000 FT.
						ZHRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

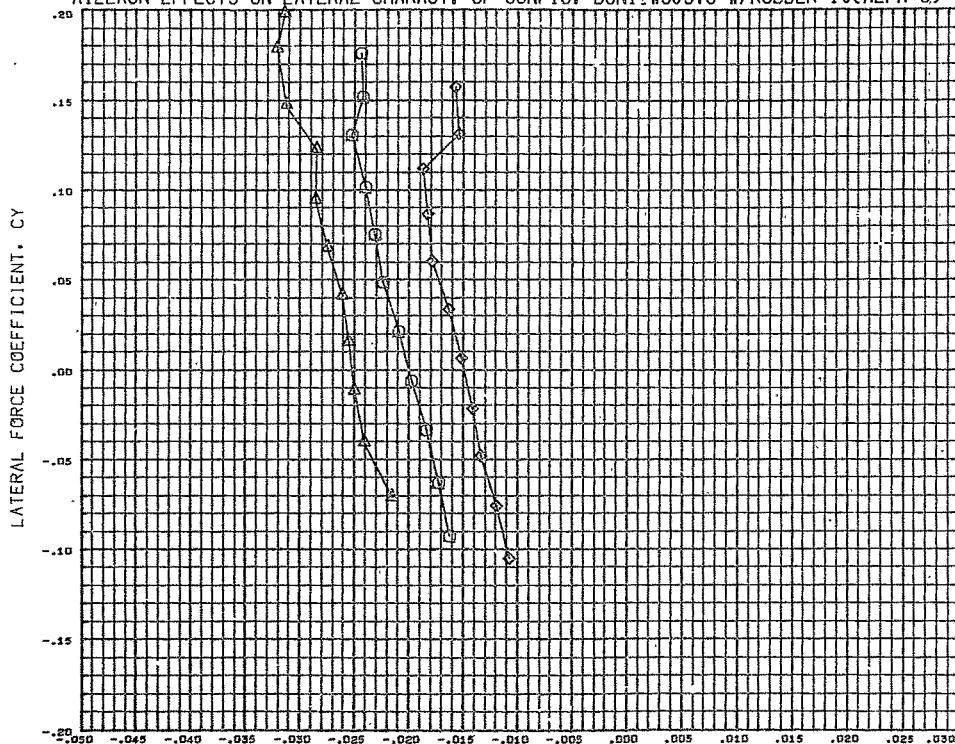
AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10(ALFA=8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ049)	□ HCAIR LSWT 258 3.0PCT MDAC/MMC BOOST B3N11W5J6V9	8.000	0.000	0.000	10.000	SREF 9.0000 SQ. FT
(BCZ064)	△ HCAIR LSWT 258 3.0PCT MDAC/MMC BOOST B3N11W5J6V9	8.000	0.000	20.000	10.000	LREF 6.0000 FT.
(BCZ070)	◇ HCAIR LSWT 258 3.0PCT MDAC/MMC BOOST B3N11W5J6V9	8.000	0.000	-20.000	10.000	BREF 6.0000 FT.
						XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0000 REFL
						SCALE 0.0300 SCALE

RACH 0.260

AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(Alfa=8)

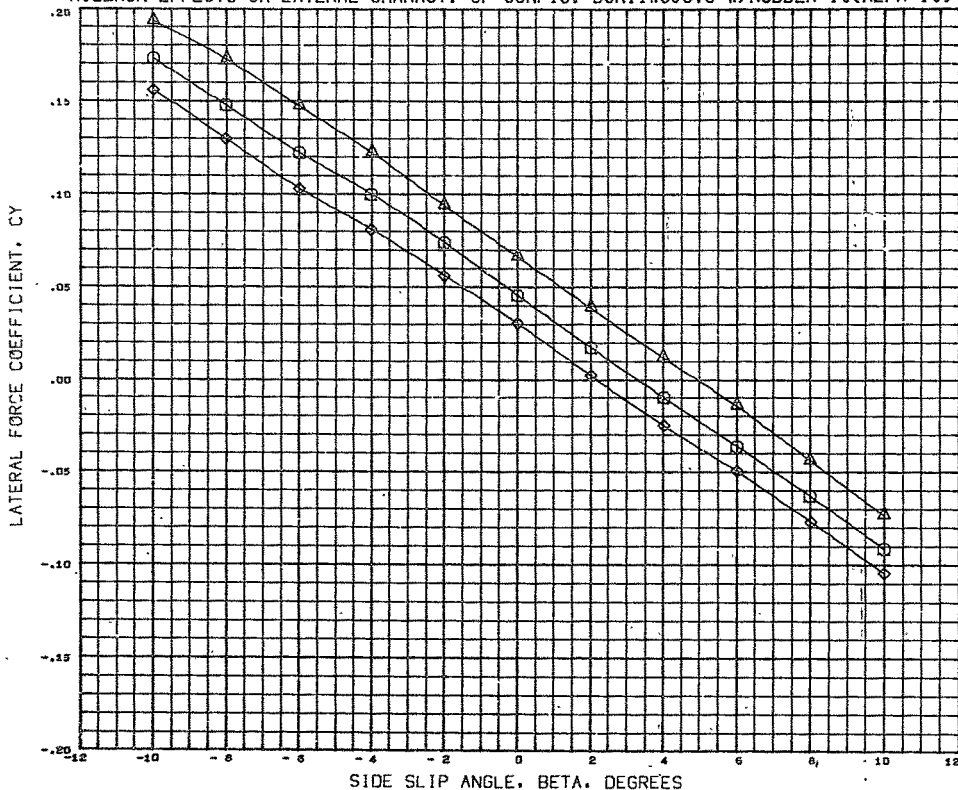


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZD49)	MC AIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(BCZD64)	MC AIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	20.000	10.000	LREF	6.0000 FT.
(BCZD70)	MC AIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	-20.000	10.000	BREF	6.0000 FT.
						XMRP	0.3575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

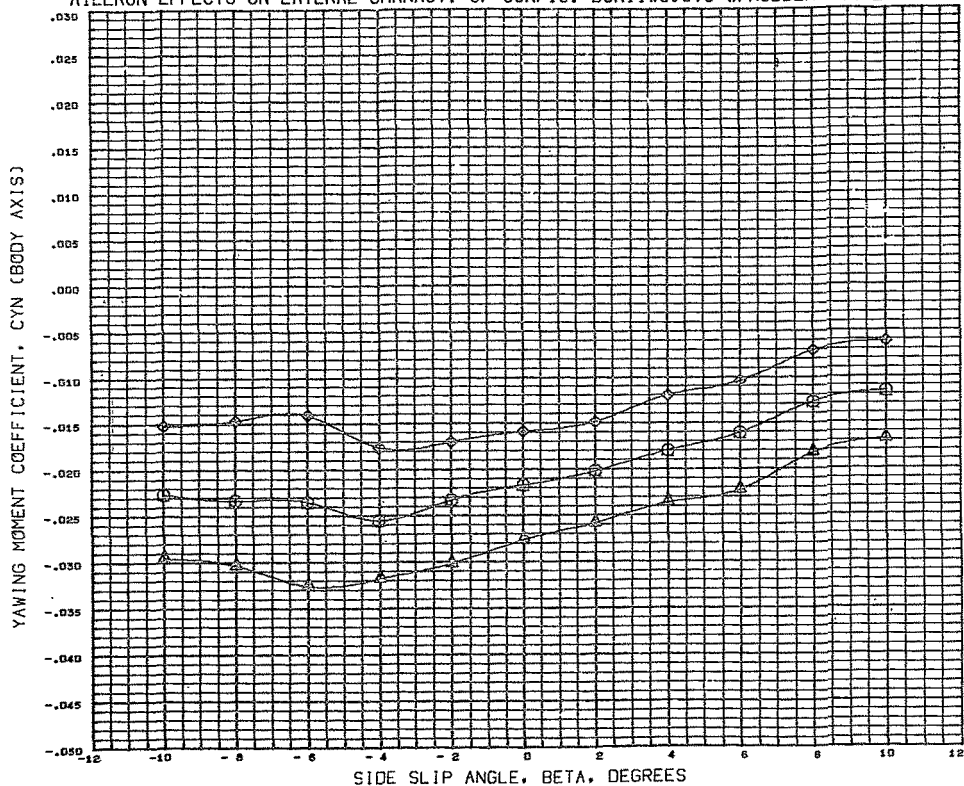
AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10 (ALFA=10)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ050)	MAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000	0.000	0.000	10.000	SREF 9.0000 SQ. FT
(BCZ065)	MAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000	0.000	20.000	10.000	LREF 6.0000 FT.
(BCZ071)	MAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	10.000	0.000	-20.000	10.000	BREF 6.0000 FT.
						XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 KEFL
						SCALE 0.0300 SCALE

MACH 0.260

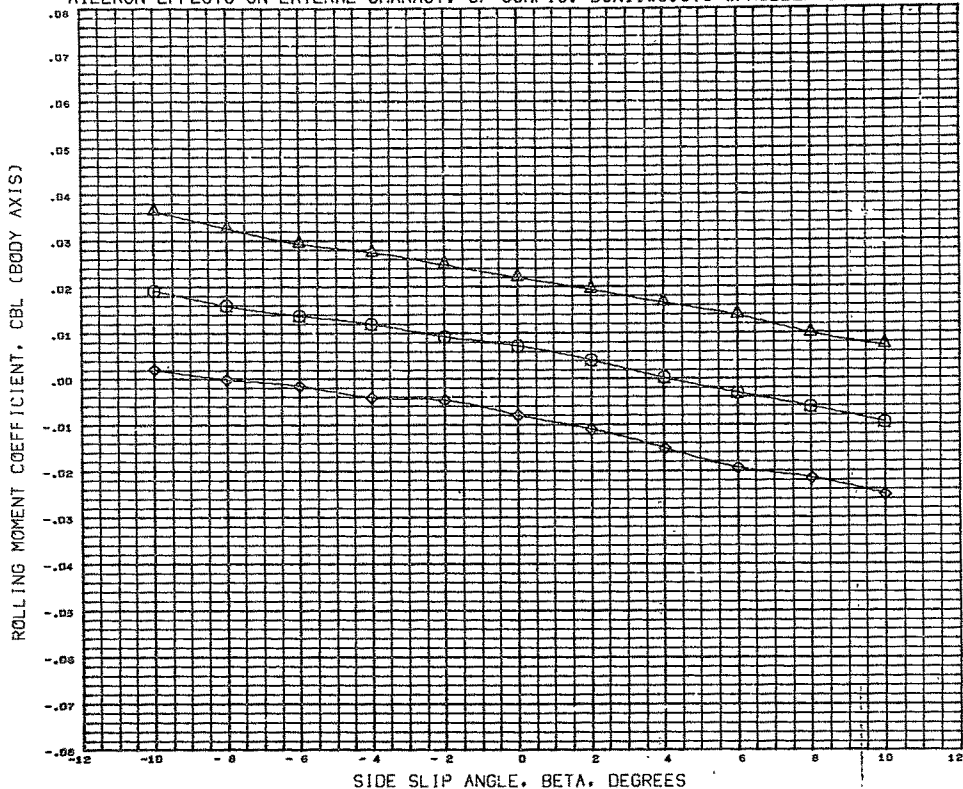
AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=10)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ050)	MCALR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	10.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(BCZ065)	MCALR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	10.000	0.000	20.000	10.000	LREF	6.0000 FT.
(BCZ071)	MCALR LSWT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	10.000	0.000	-20.000	10.000	BREF	6.0000 FT.
						WHRP	0.8175 REFL
						YHRP	0.0000 FT.
						ZHRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.160

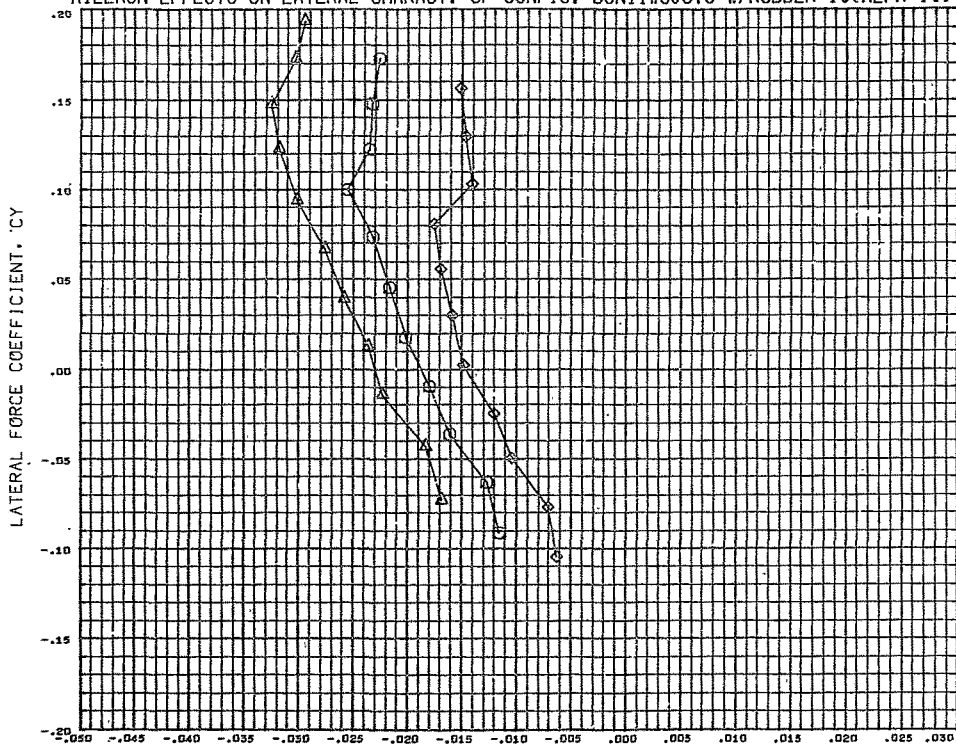
AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=10)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BC2050)	NCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	10.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(BC2069)	NCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	10.000	0.000	20.000	10.000	LREF	6.0000 FT.
(BC2071)	NCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	10.000	0.000	-20.000	10.000	BREF	6.0000 FT.
						YMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.26C

AILERON EFFECTS ON LATERAL CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10 (ALFA=10)

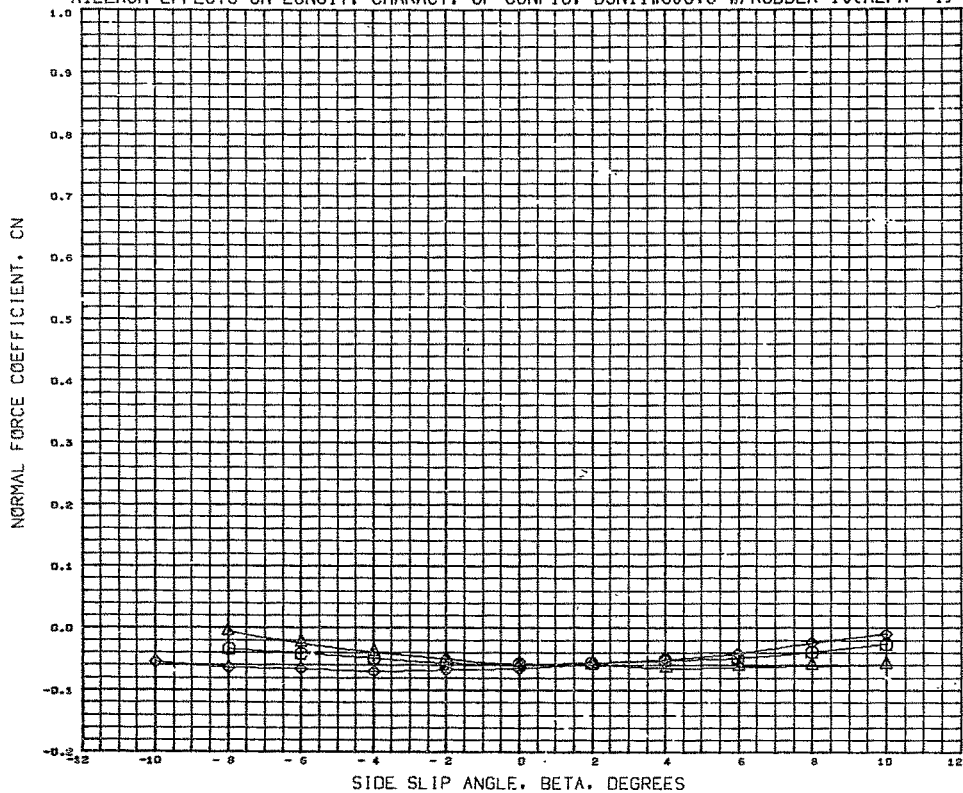


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ050)	MCAR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	10.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(BCZ065)	MCAR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	10.000	0.000	20.000	10.000	LREF	6.0000 FT.
(BCZ071)	MCAR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	10.000	0.000	-20.000	10.000	SREF	3.0000 FT.
						XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

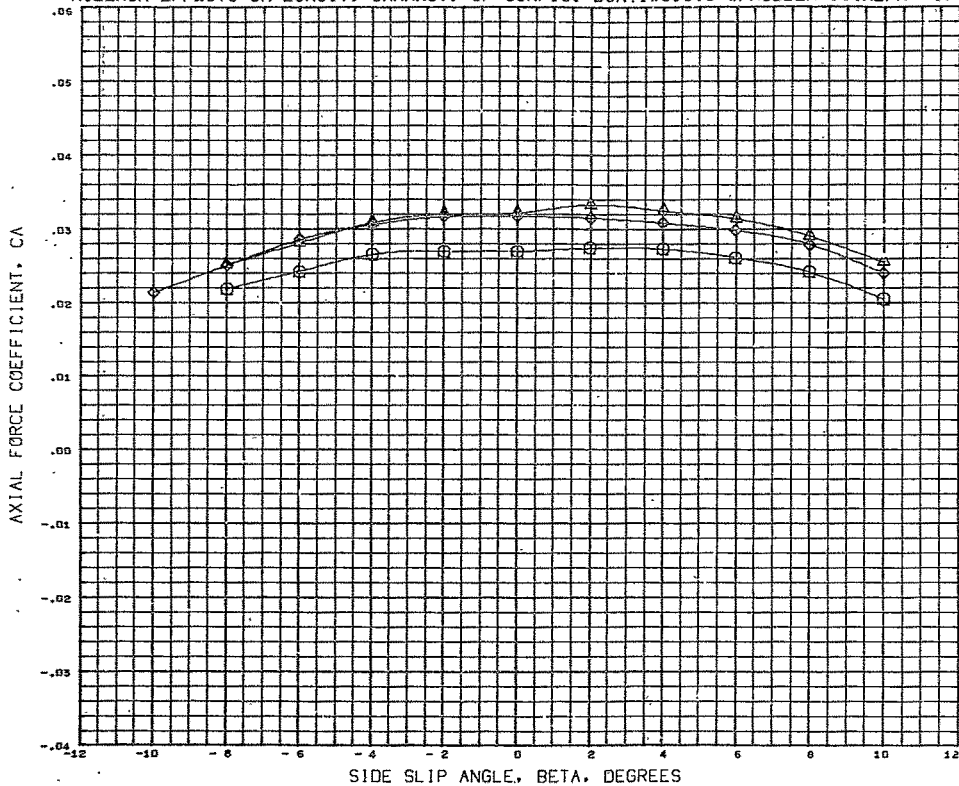
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=-4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ045)	MCATR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	10.000	SREF 9.0000 SQ. FT
(BCZ060)	MCATR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	20.000	10.000	LREF 6.0000 FT.
(BCZ066)	MCATR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	-20.000	10.000	BREF 6.0000 FT.
						XMRP 0.6575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

HACH 0.260

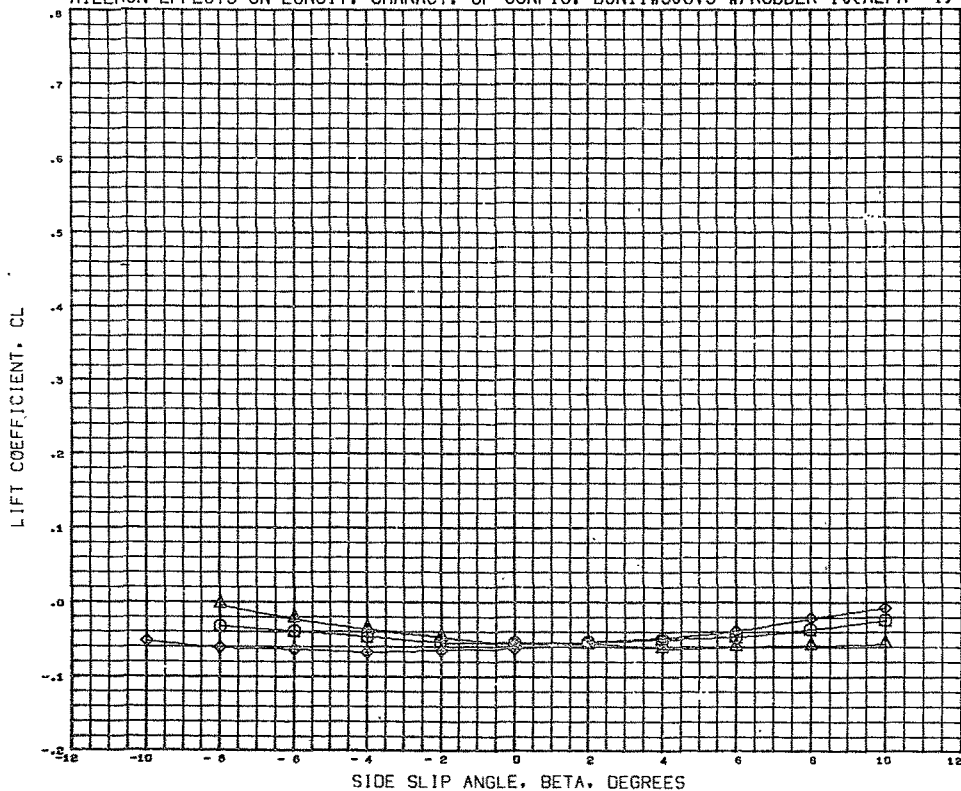
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=-4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BC2045)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	10.000	SREF 9.0000 SQ. FT
(BC2060)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	20.000	10.000	LREF 6.0000 FT.
(BC2066)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	-20.000	10.000	SREF 6.0000 FT.
						XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.250

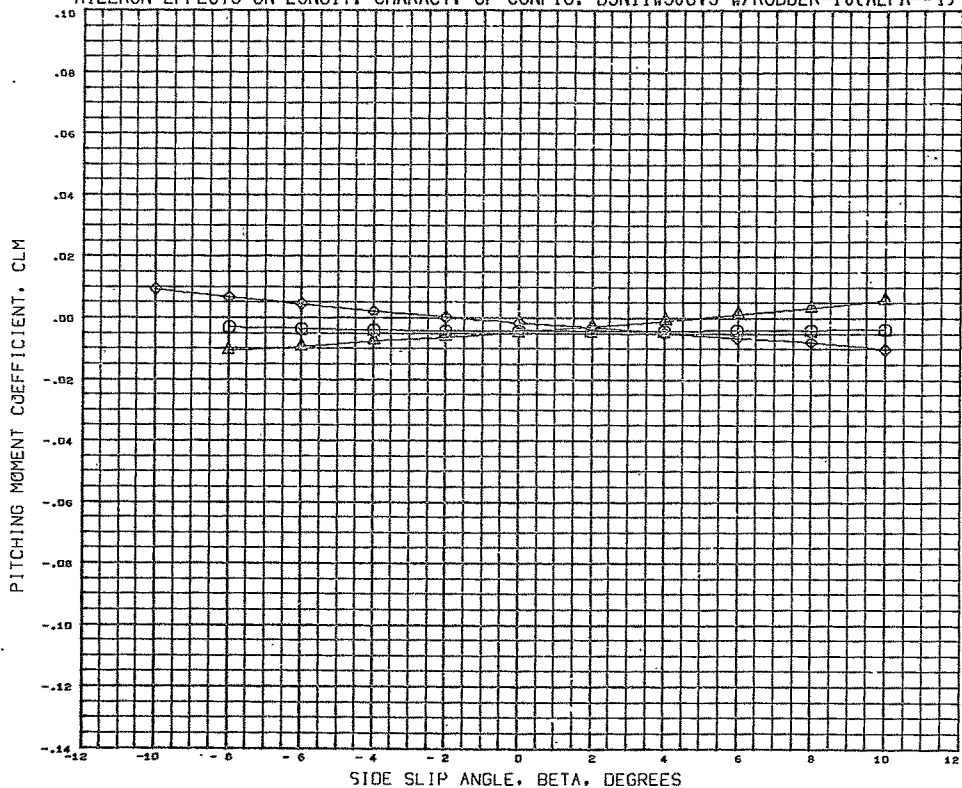
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=-4)



DATA	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ045)	○	MCAIR LSWT 256 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	10.000	SREF 9.0000 SQ. FT
(ACZ060)	△	MCAIR LSWT 256 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	20.000	10.000	LREF 6.0000 FT.
(ACZ066)	◇	MCAIR LSWT 256 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	-20.000	10.000	BREF 6.0000 FT.
							YHRP 0.8575 REFL
							ZHRP 0.0000 FT.
							SCALE 0.0100 REFL
							SCALE 0.0300 SCALE

MACH 0.260

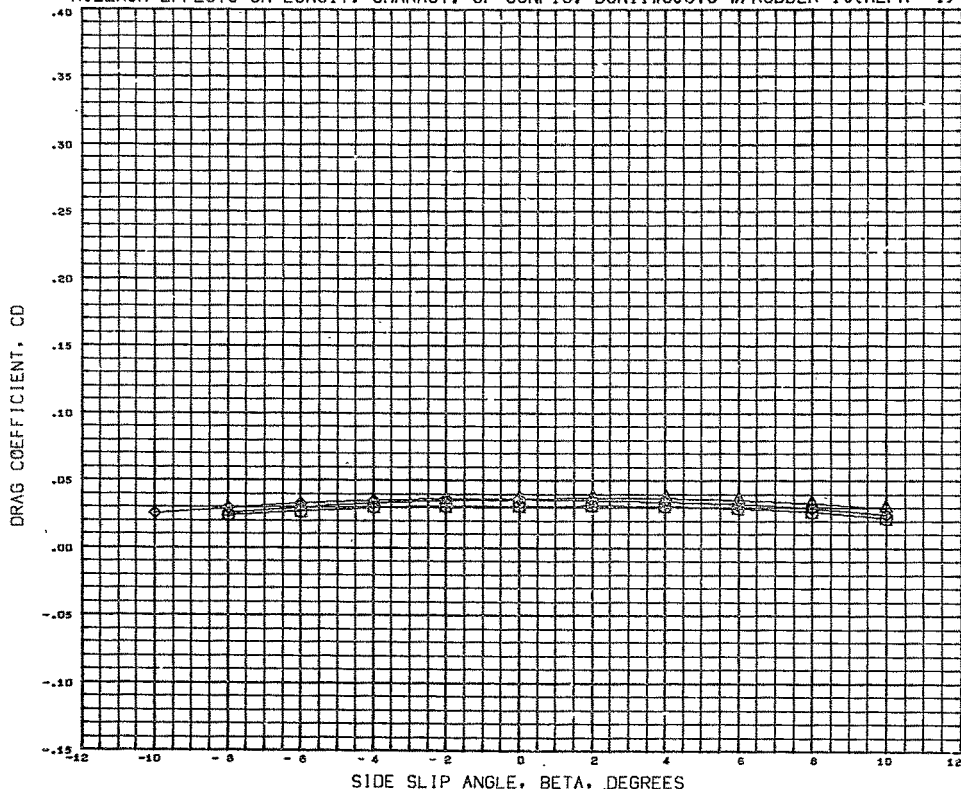
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10 (ALFA=-4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ045)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(ACZ060)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	20.000	10.000	LREF	6.0000 FT.
(ACZ066)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	-20.000	10.000	BREF	6.0000 FT.
						YMRP	0.0075 REFL
						ZMRP	0.0050 REFL
						SCALE	0.0300 SCALE

MACH 0.26G

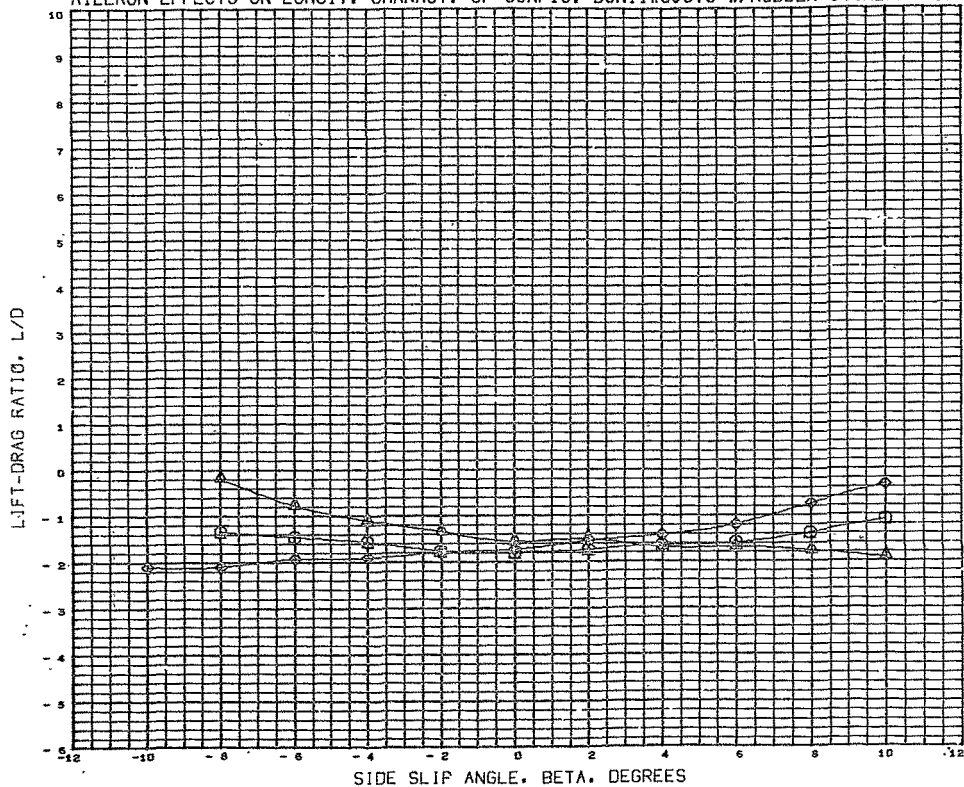
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=-4)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ045)	○	MCAIR LSMT 250 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	-4.000	0.000	0.000	10.000	SREF 9.0000 SQ. FT
(ACZ060)	△	MCAIR LSMT 250 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	-4.000	0.000	20.000	10.000	LREF 6.0000 FT.
(ACZ066)	◇	MCAIR LSMT 250 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	-4.000	0.000	-20.000	10.000	SREF 6.0000 FT.
							XHRP 0.8575 REFL
							YHRP 0.0000 FT.
							ZHRP 0.0100 REFL
							SCALE 0.0300 SCALE

NACH D.260

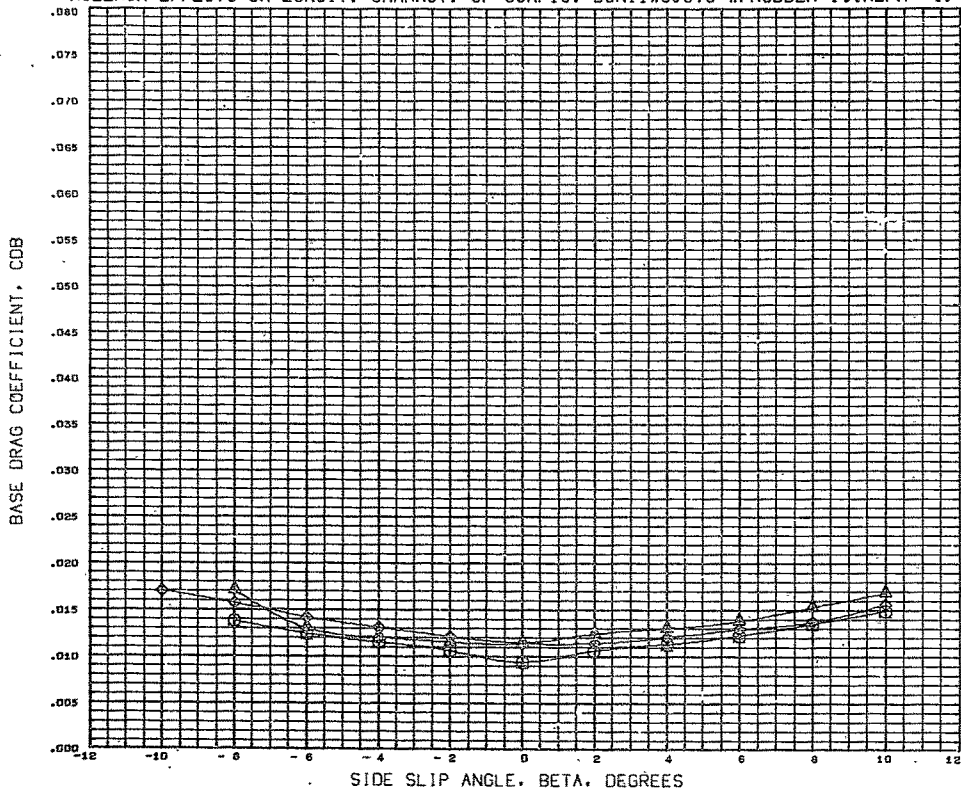
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N1W5J6V9 W/RUDDER=10(ALFA=-4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(AC2045)	□ HCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N1W5J6V9	-4.000	0.000	0.000	10.000	SREF	9.0000 SQ. I
(AC2050)	△ HCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N1W5J6V9	-4.000	0.000	20.000	10.000	LREF	6.0000 FT.
(AC2055)	◇ HCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N1W5J6V9	-4.000	0.000	-20.000	10.000	BREF	6.0000 FT.
						XHRP	0.8575 REFL
						YHRP	0.0000 FT.
						ZHRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

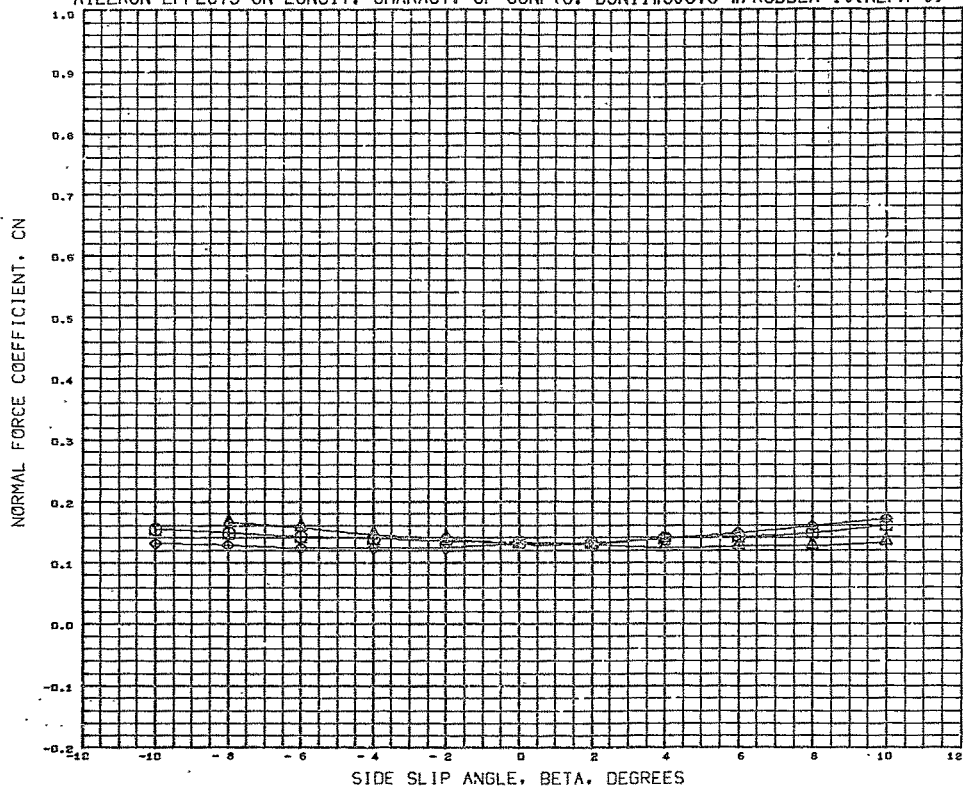
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=-4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ045)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	0.000	10.000	SREF 9.0000 SQ. F
(ACZ069)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	20.000	10.000	LREF 6.0000 FT.
(ACZ066)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	-4.000	0.000	-20.000	10.000	BREF 6.0000 FT.
						XHRP 0.0575 REFL
						YHRP 0.0000 FT.
						ZHRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

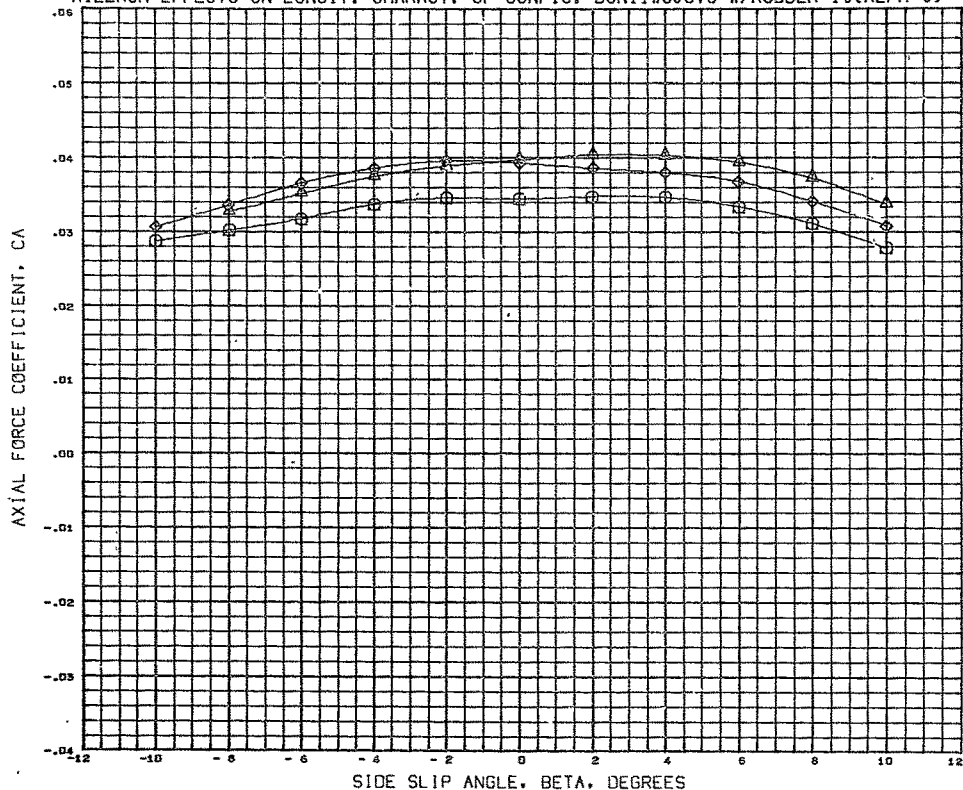
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ046)	MCALR LSMT 258 3,DPCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	10.000	SREF	9.0000 SG. FT
(BCZ061)	MCALR LSMT 258 3,DPCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	20.000	10.000	REF	6.0000 FT.
(BCZ067)	MCALR LSMT 258 3,DPCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	-20.000	10.000	BRF	6.0000 FT.
						XHRP	0.8375 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10 (ALFA=0)



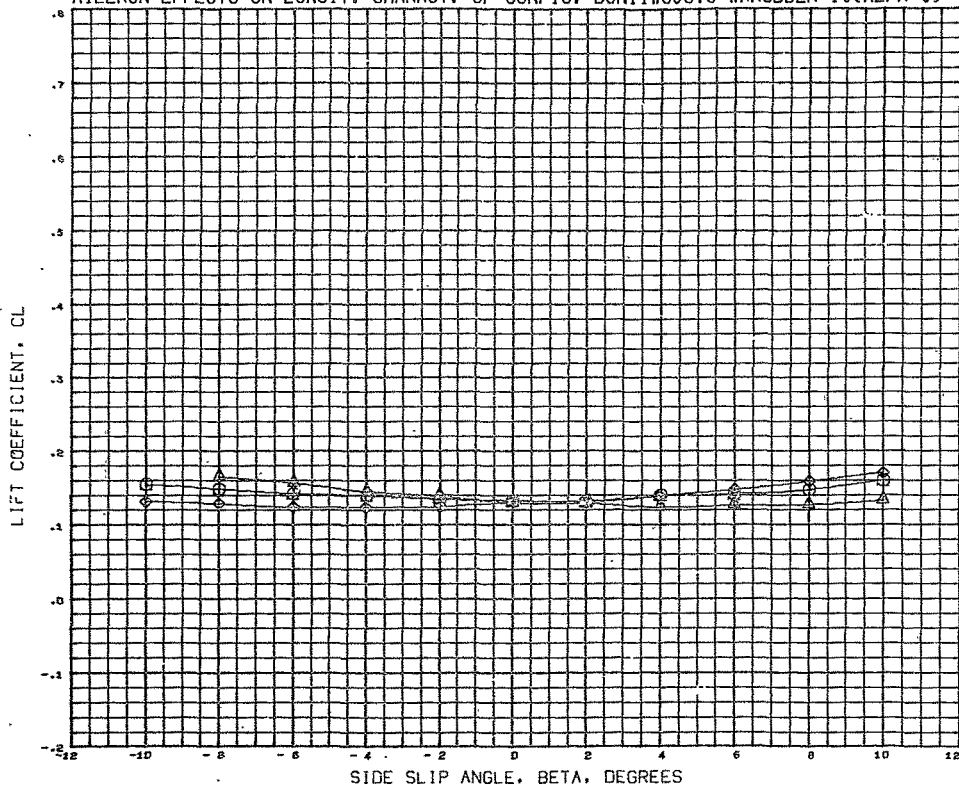
DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BCZ046) ○ MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (BCZ061) △ MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (BCZ067) ◇ MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	0.000	10.000	SREF 9.0000 SQ. FT
0.000	0.000	20.000	10.000	LREF 6.0000 FT.
0.000	0.000	-20.000	10.000	BREF 6.0000 FT.
				XMRP 0.8575 REFL
				YMRP 0.0000 FT.
				ZMRP 0.0100 REFL
				SCALE 0.0300 SCALE

MACH 0.260

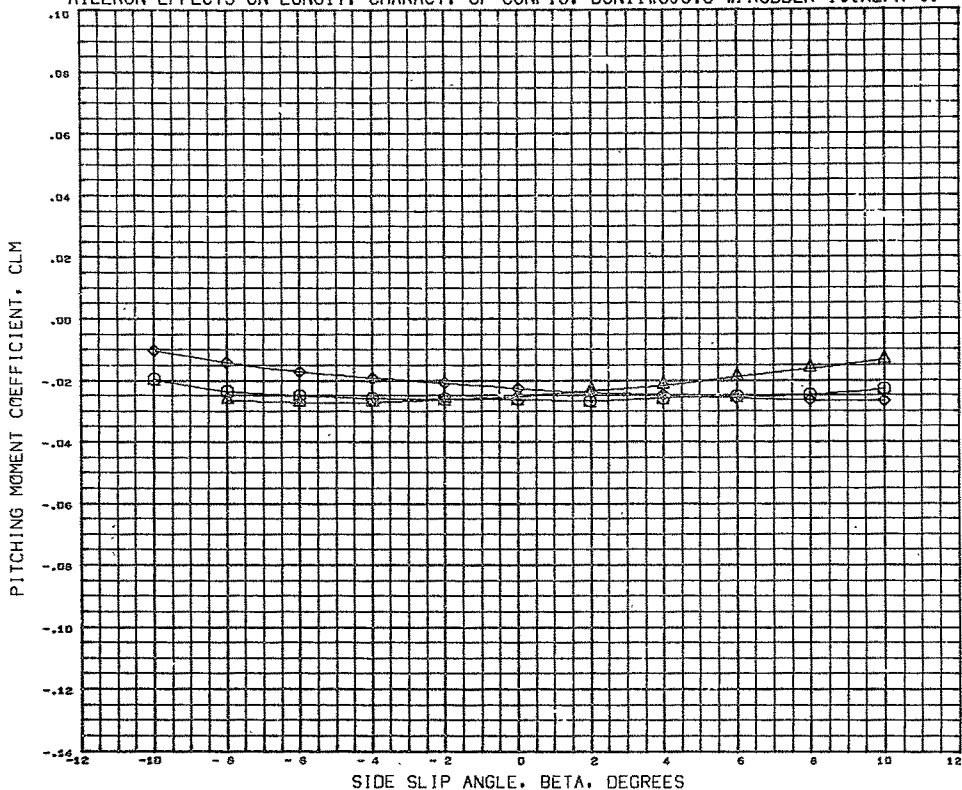
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(AC2046)	MCALR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(AC2061)	MCALR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	20.000	10.000	LREF	6.0000 FT.
(AC2067)	MCALR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	-20.000	10.000	BREF	6.0000 FT.
						XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

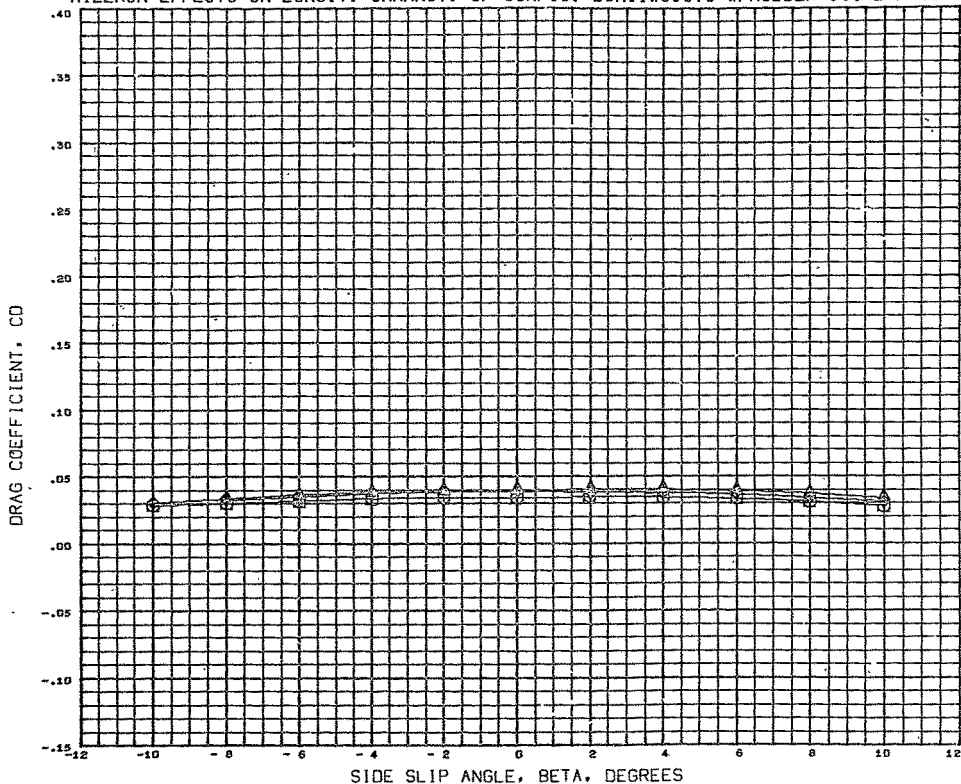
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ046)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	10.000	SREF 9.0000 SQ. FT
(ACZ061)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	20.000	10.000	LREF 6.0000 FT.
(ACZ067)	MCAIR LSWT 256 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	-20.000	10.000	BREF 6.0000 FT.
						XMRP 0.6575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

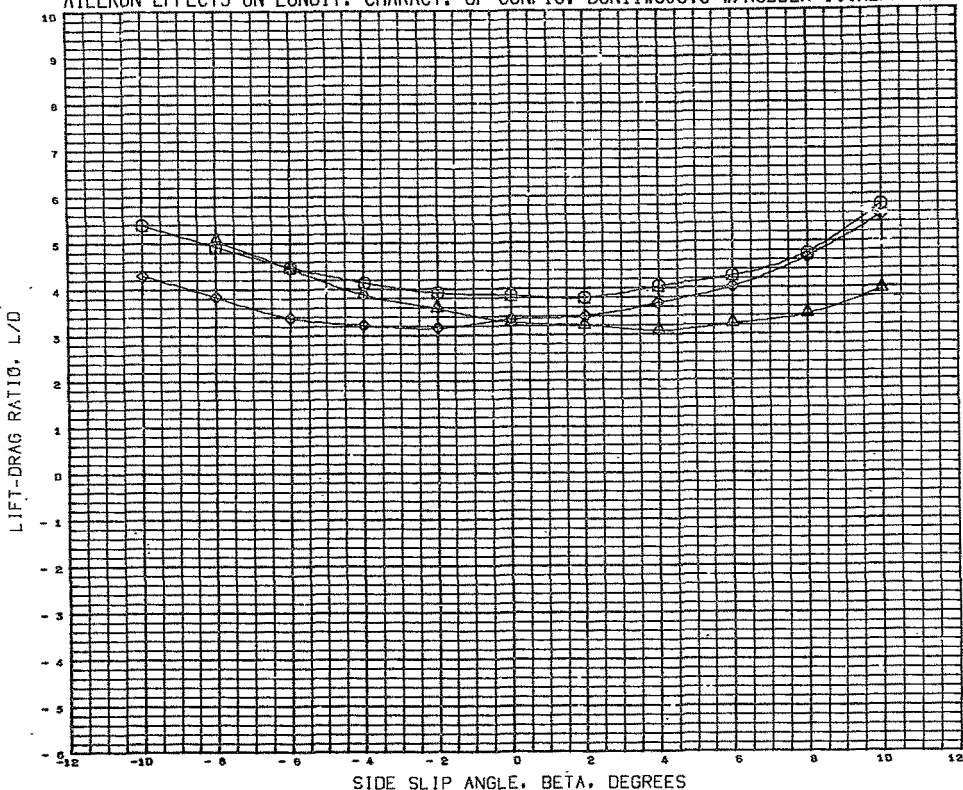
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ046)	MCATR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(ACZ061)	MCATR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	20.000	10.000	LREF	6.0000 FT.
(ACZ067)	MCATR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	-20.000	10.000	SREF	5.9600 FT.
						XMRP	0.4575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10(ALFA=0)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

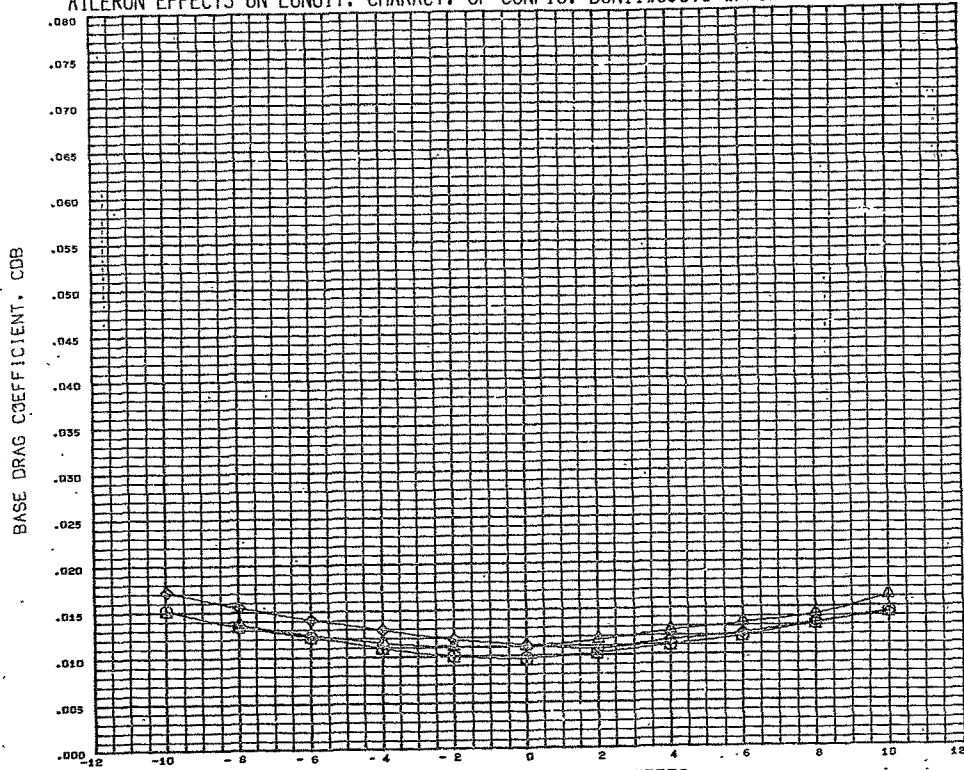
(ACZD46) $\square$ MCAIR LSWT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6V9
 (ACZD65) $\triangle$ MCAIR LSWT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6V9
 (ACZD67) $\diamond$ MCAIR LSWT 258 3.0PCT NDAC/MNC BOOST B3N11W5J6V9

ALPHA	ELEVON	AILRON	RUDDER
0.000	0.000	0.000	10.000
0.000	0.000	20.000	10.000
0.000	0.000	-20.000	10.000

REFERENCE INFORMATION	
SREF	9.0000 SQ. FT
LREF	6.0000 FT.
BREF	6.0000 FT.
XMRP	0.8575 REFL
YMRP	0.0000 FT.
ZMRP	0.0100 REFL
SCALE	0.0300 SCALE

MACH 0.260

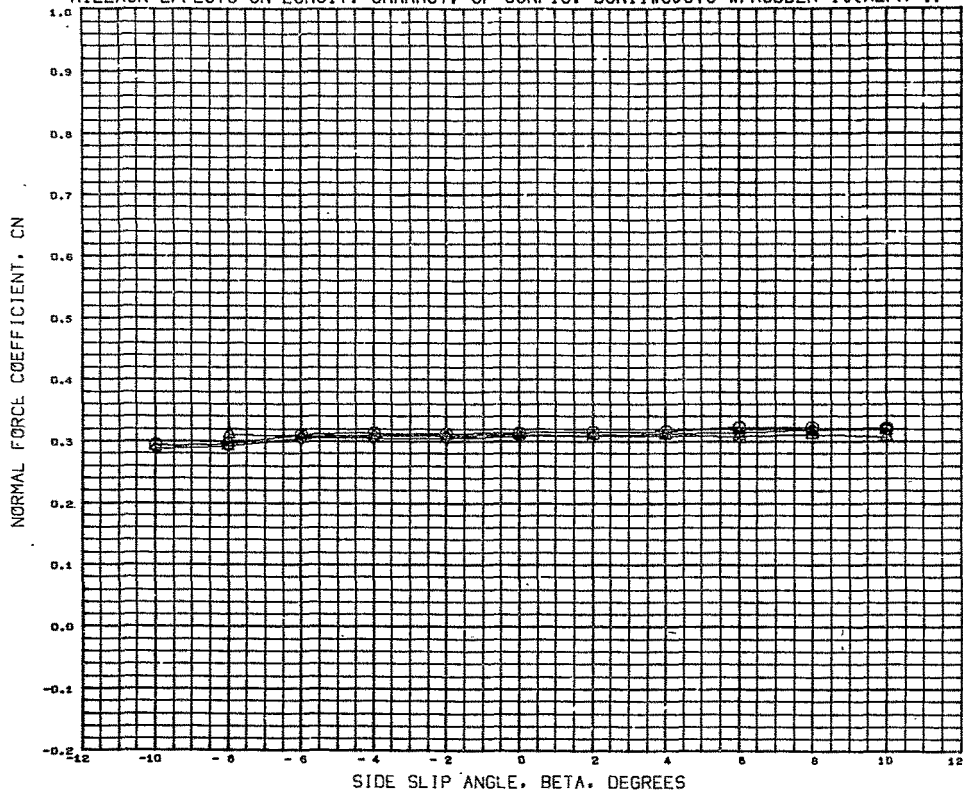
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10 (ALFA=0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILERON	RUDDER	REFERENCE INFORMATION
(ACZD461)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	10.000	SREF 9.0000 SQ. FT
(ACZD661)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	20.000	10.000	LREF 6.0000 FT.
(ACZD671)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	-20.000	10.000	BREF 6.0000 FT.
						YMRP 0.0575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

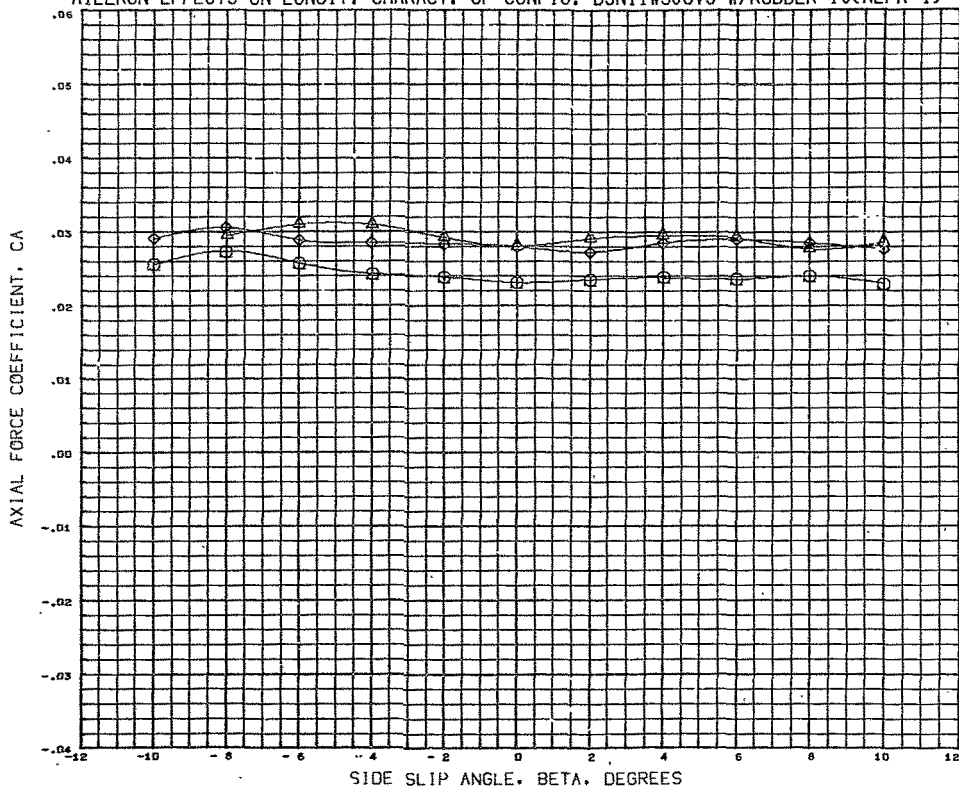
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ047)	MCAIR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(BCZ062)	MCAIR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	20.000	10.000	LREF	6.0000 FT.
(BCZ068)	MCAIR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	-20.000	10.000	RREF	6.0000 FT.
						XMRP	0.6375 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

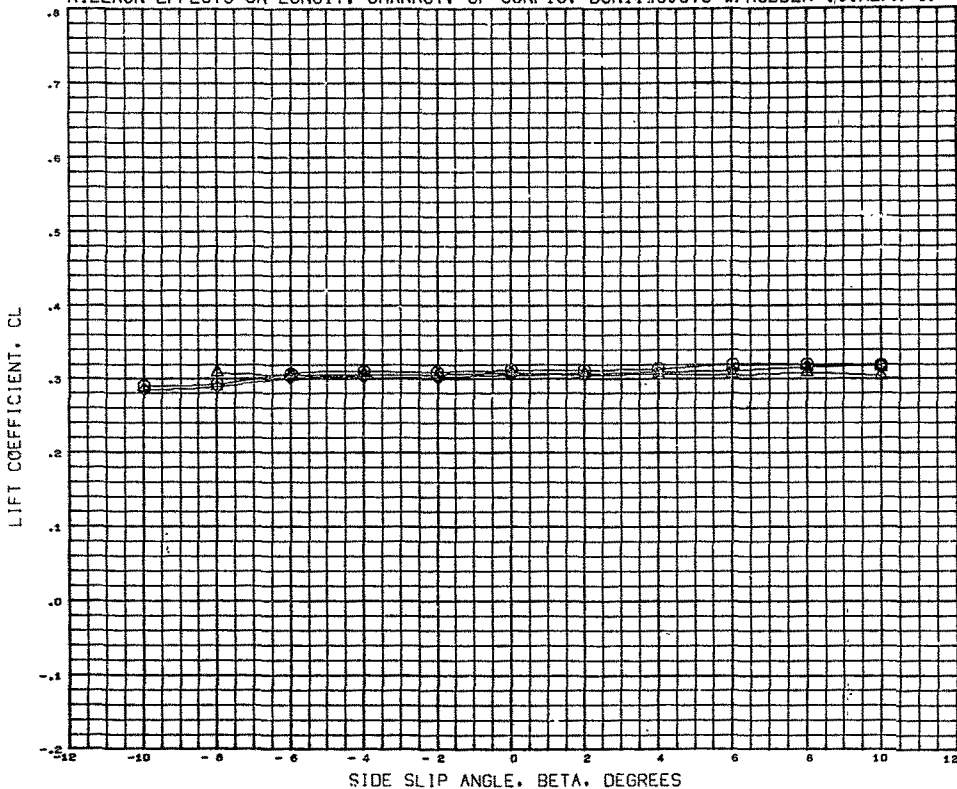
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10 (ALFA=4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ047)	MCALR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(BCZ062)	MCALR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	20.000	10.000	LREF	6.0000 FT.
(BCZ069)	MCALR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	-20.000	10.000	SREF	6.0000 FT.
						YMRP	0.8575 REFL.
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL.
						SCALE	0.0300 SCALE

MACH 0.260

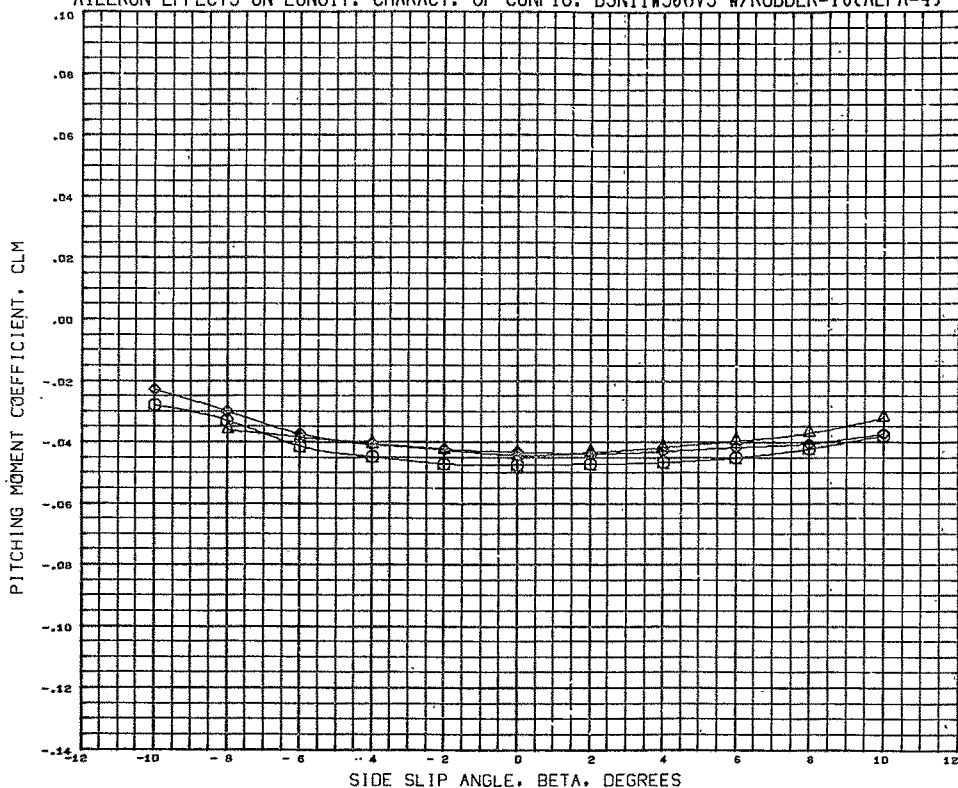
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10 (ALFA=4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ047)	Q HCAIR LSWT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6V9	4.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(ACZ062)	A HCAIR LSWT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6V9	4.000	0.000	20.000	10.000	LREF	6.0000 FT.
(ACZ068)	D HCAIR LSWT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6V9	4.000	0.000	-20.000	10.000	BREF	6.0000 FT.
						XMRP	0.8973 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

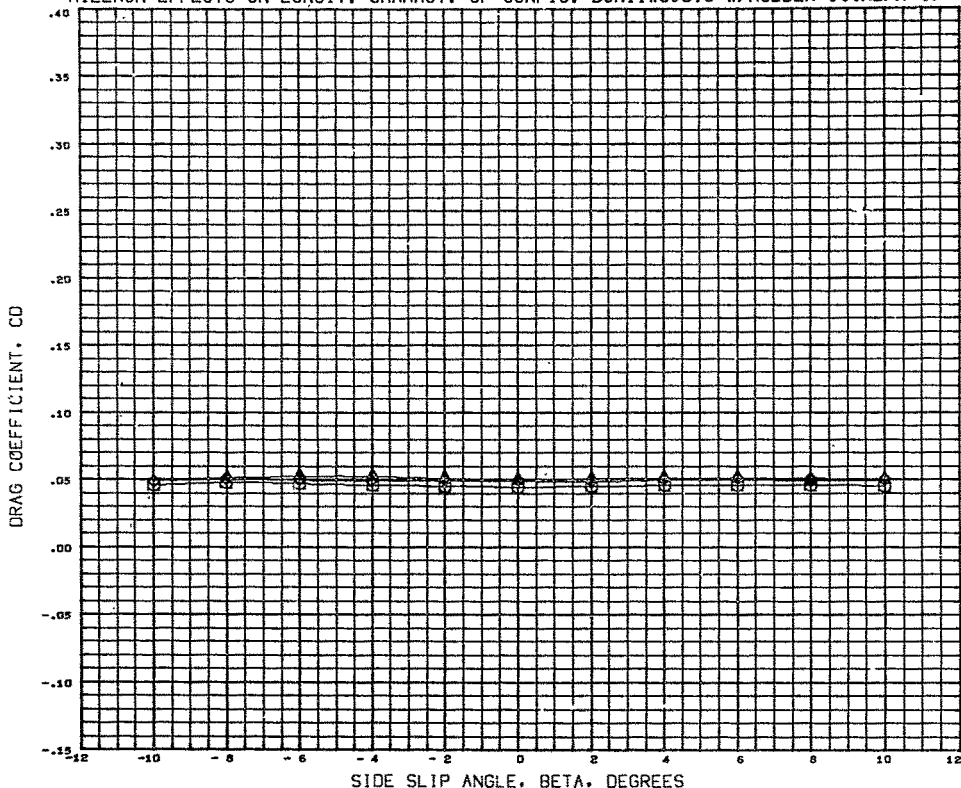
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ047)	MCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	4.000	0.000	0.000	10.000	BREF	9.0000 SQ. FT
(ACZ062)	MCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	4.000	0.000	20.000	10.000	LREF	6.0000 FT.
(ACZ068)	MCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	4.000	0.000	-20.000	10.000	BREF	6.0000 FT.
						XMRP	0.8575 REFL
						YMRP	0.1000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

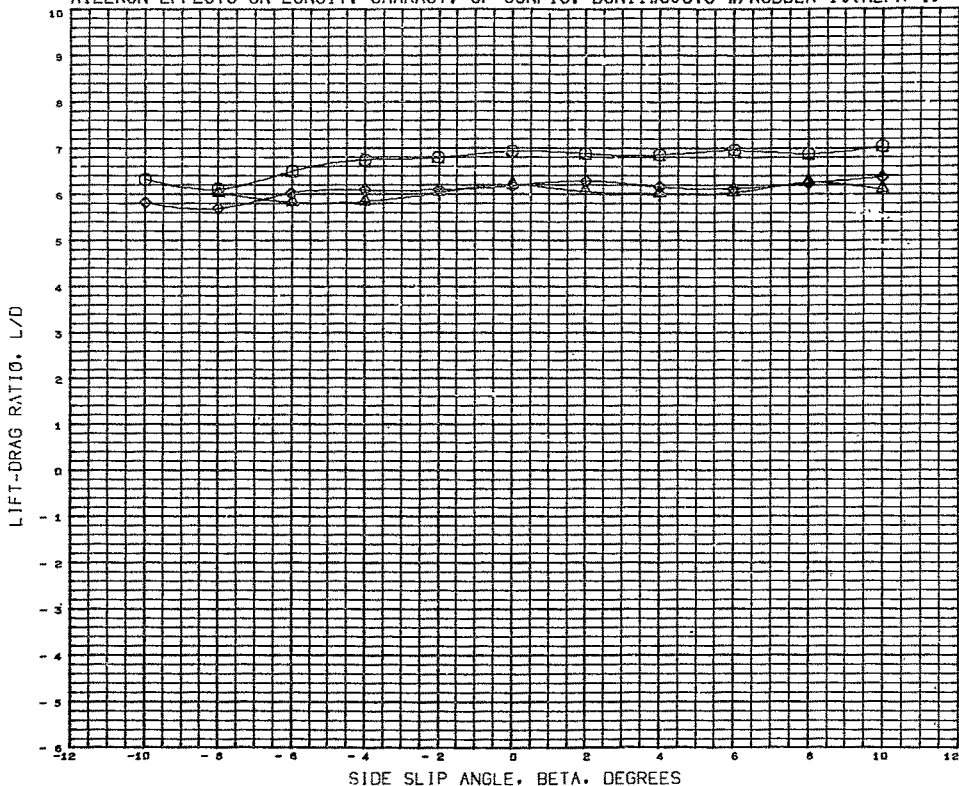
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10 (ALFA=4)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(AC2D47)	○	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	10.000	SREF 9.0000 SQ. FT
(AC2D62)	△	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	20.000	10.000	LREF 6.0000 FT.
(AC2D60)	◇	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	-20.000	10.000	BREF 6.0000 FT.
							XMRP 0.8575 REFL
							YMRP 0.0000 FT.
							ZMRP 0.0100 REFL
							SCALE 0.0300 SCALE

MACH 0.260

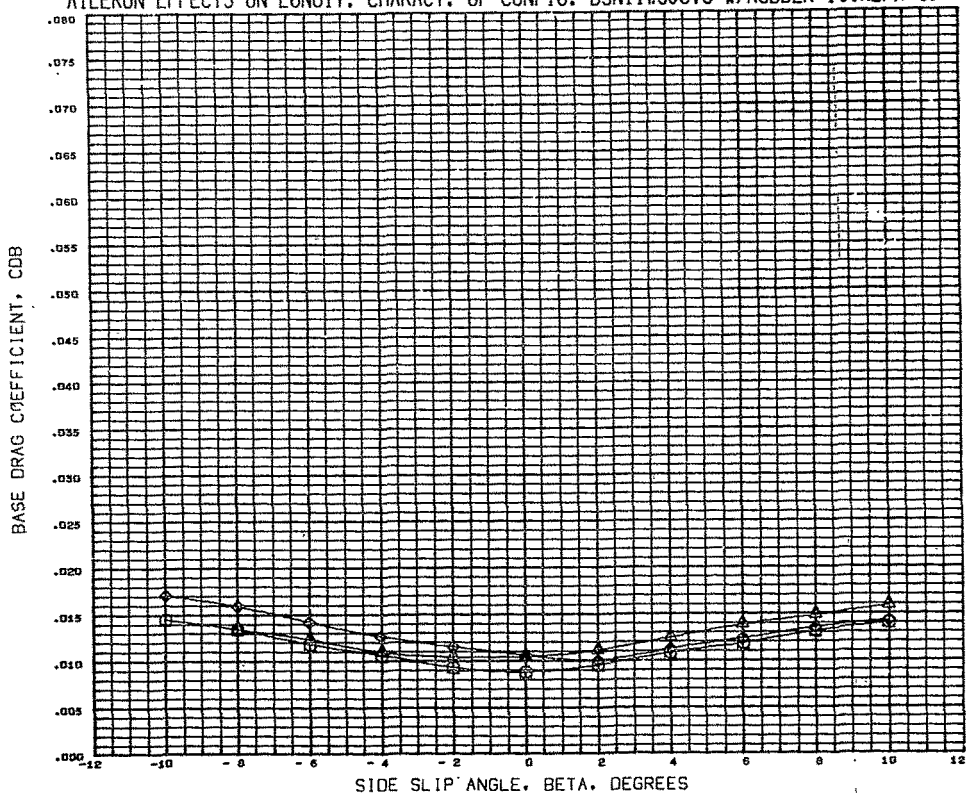
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10 (ALFA=4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ047)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT.
(ACZ062)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	20.000	10.000	LREF	8.0000 FT.
(ACZ068)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	-20.000	10.000	BREF	8.0000 FT.
						YMRP	0.8573 REFL
						ZMRP	0.0660 FT.
						SCALE	0.0100 REFL
							0.0300 SCALE

MACH 0.260

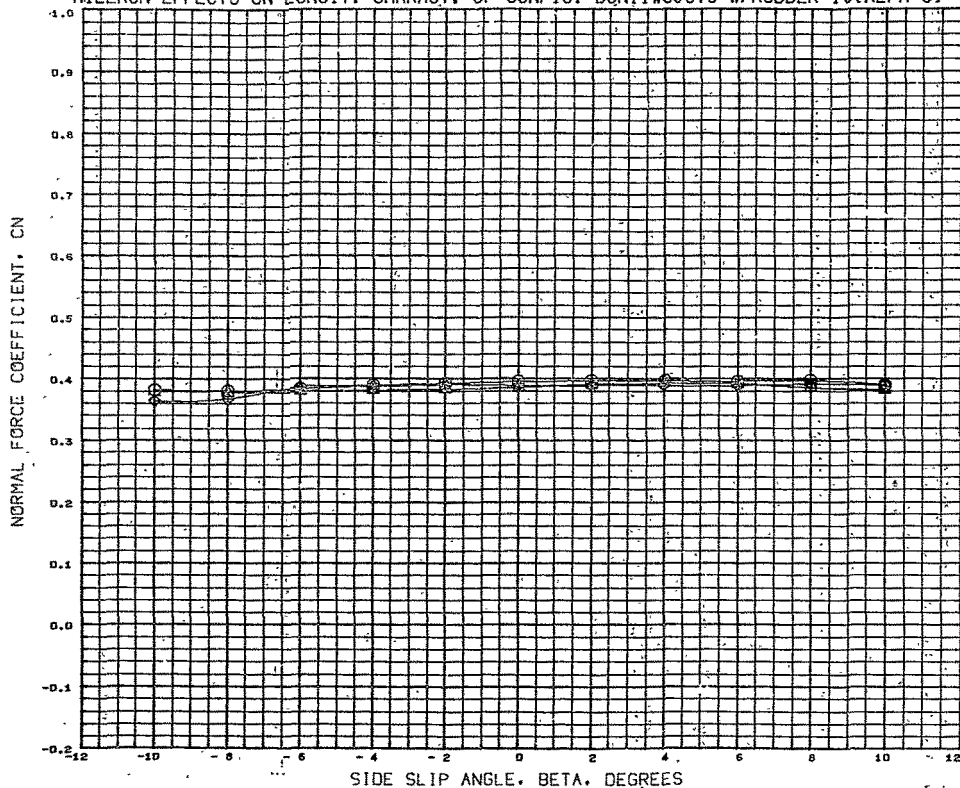
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10 (ALFA=4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION
(AC2047)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	10.000	SREF	91.0000 Sq. FT
(AC2062)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	20.000	10.000	LREF	61.0000 FT.
(AC2068)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	-20.000	10.000	BREF	61.0000 FT.
						XMRP	0.8475 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

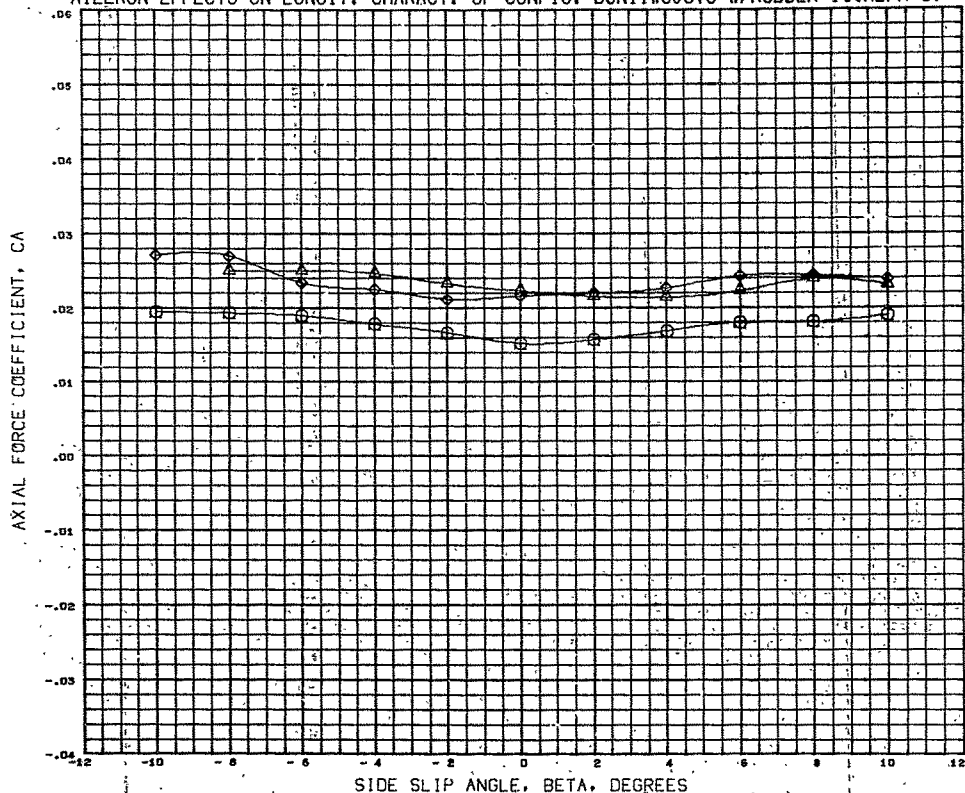
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=6)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION		
(BCZ048)	Q MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	0.000	10.000	SREF	9.0000	SQ. FT
(BCZ063)	△ MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	20.000	10.000	LREF	6.0000	FT.
(BCZ069)	◇ MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	-20.000	10.000	BREF	6.0000	FT.
						YMRP	0.8575	REFL
						ZMRP	0.0000	FT.
						ZMRP	0.0100	REFL
						SCALE	0.0300	SCALE

MACH 0.260

AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=6)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(8C2048) $\square$ MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (8C2063) $\triangle$ MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (8C2069) $\diamond$ MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9

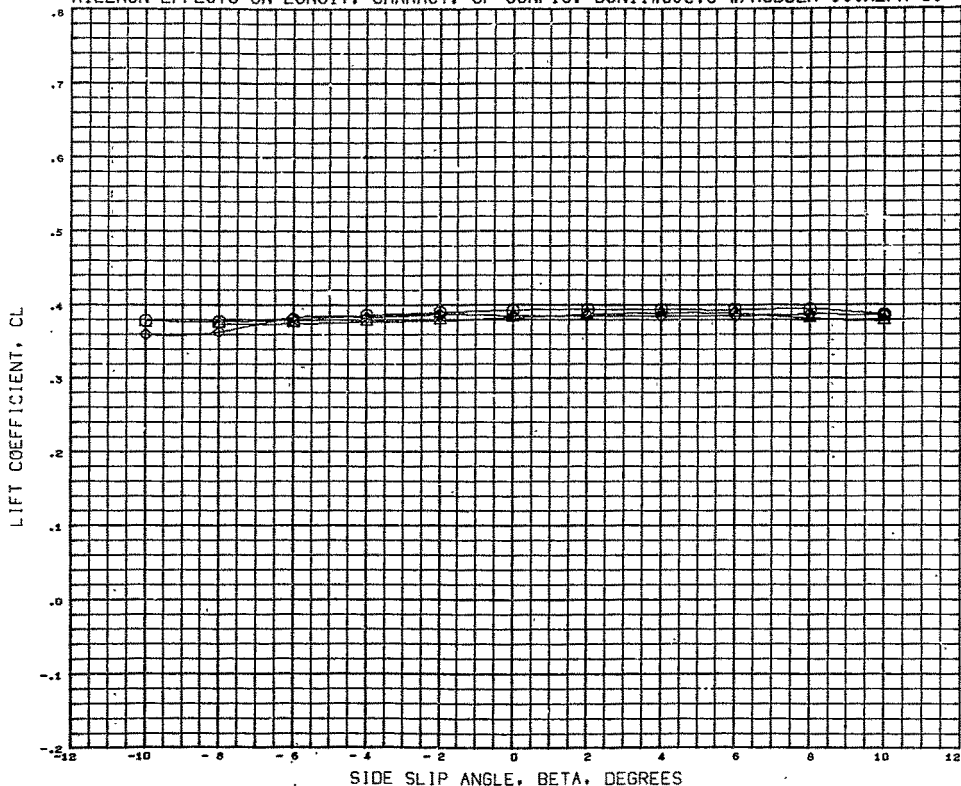
ALPHA	ELEVON	AILRON	RUDDER
6.000	0.000	0.000	10.000
6.000	0.000	20.000	10.000
6.000	0.000	-20.000	10.000

REFERENCE INFORMATION

SREF	5.0000	50. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
ZMRP	0.8575	REFL
YMRP	0.0000	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.260

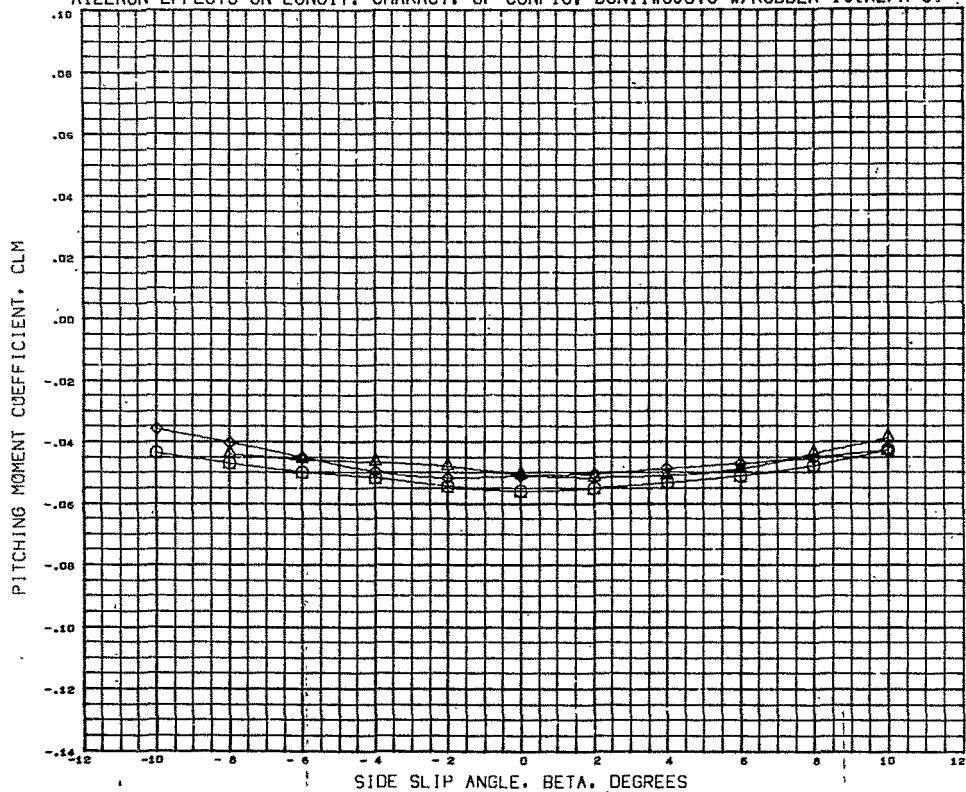
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10 (ALFA=6)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ048)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	0.000	10.000	SREF 9.0000 SQ. FT
(ACZ063)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	20.000	10.000	LREF 6.0000 FT.
(ACZ069)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	-20.000	10.000	BREF 6.0000 FT.
						XMRP 0.8575 REFL.
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

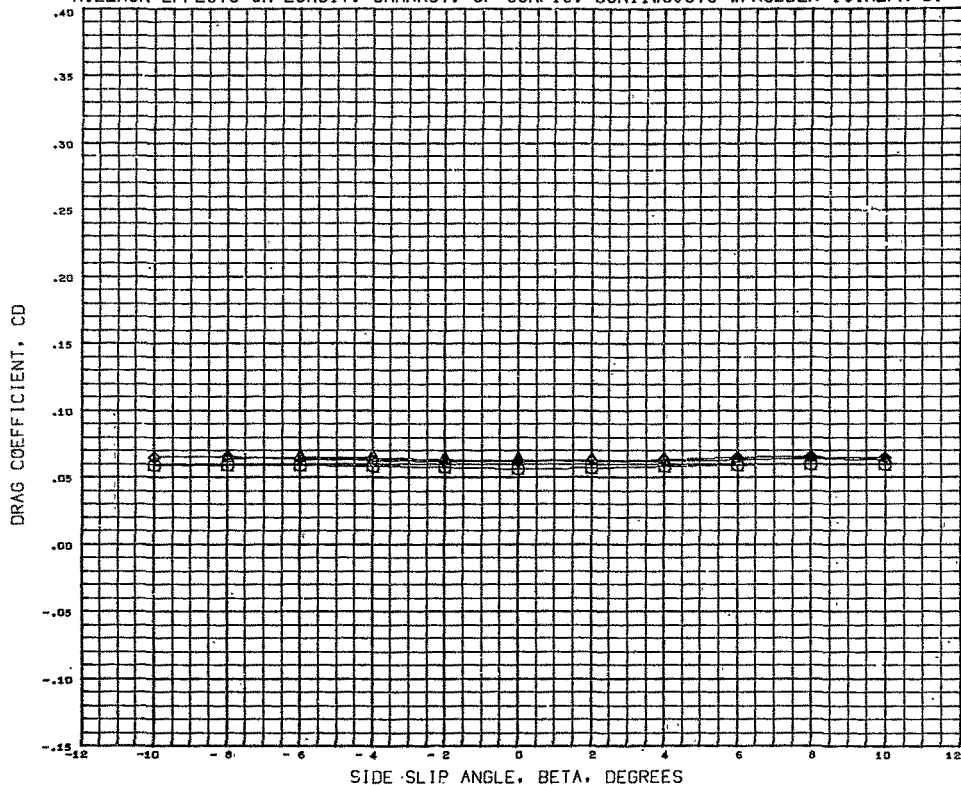
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=6)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ048)	MCAR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(ACZ063)	MCAR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	20.000	10.000	LREF	6.0000 FT.
(ACZ069)	MCAR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	-20.000	10.000	RREF	0.0000 FT.
						YMRP	0.8578 REFL
						ZMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

NACH D.26C

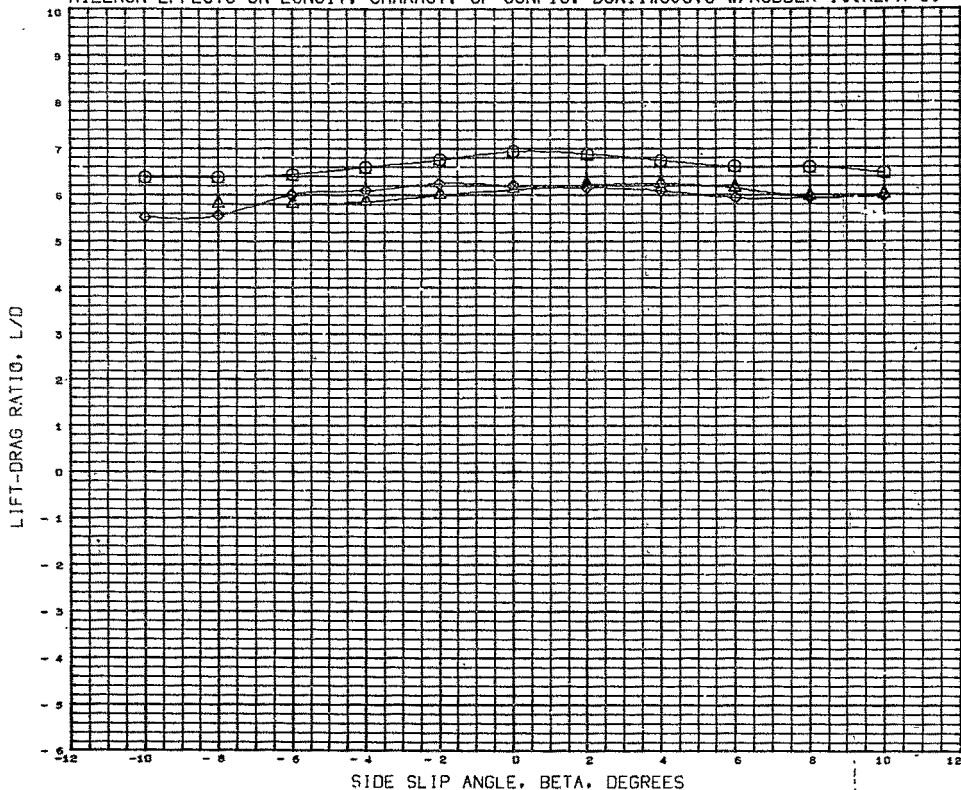
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10 (ALFA=6)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ048)	MAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	6.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(ACZ063)	MAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	6.000	0.000	20.000	10.000	LREF	6.0000 FT.
(ACZ069)	MAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	6.000	0.000	-20.000	10.000	BREF	6.0000 FT.
						XMRP	0.6575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0000 REFL
						SCALE	0.0000 SCALE

MACH 0.260

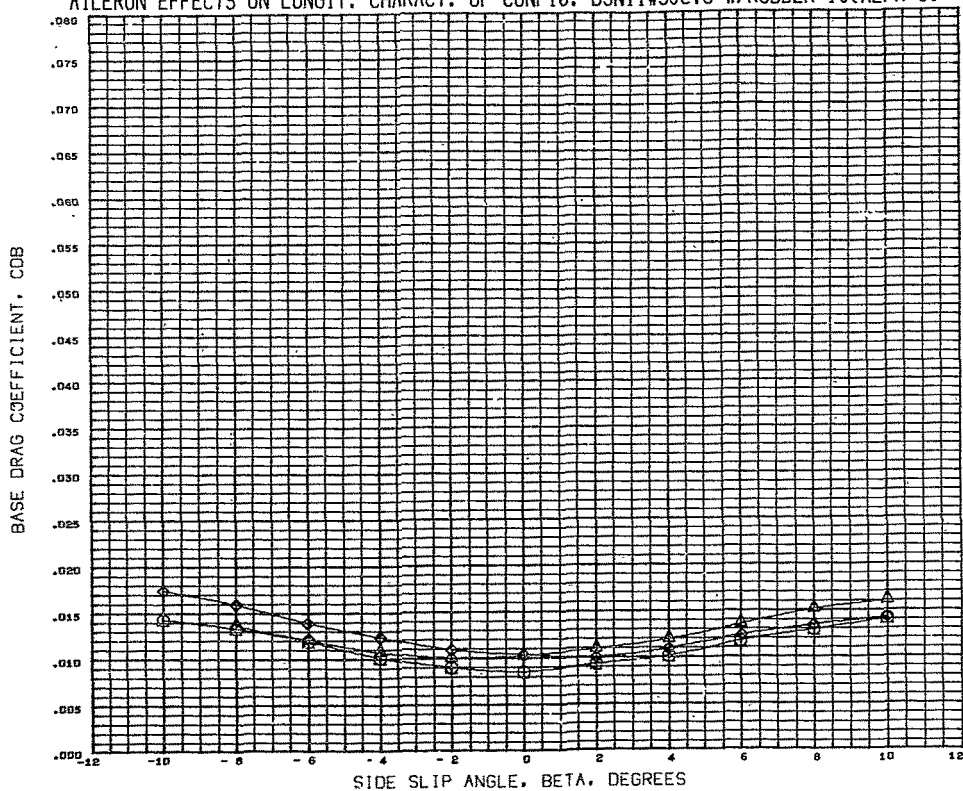
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=6)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION
(ACZ048)	MCAR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(ACZ063)	MCAR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	20.000	10.000	LREF	6.0000 FT.
(ACZ069)	MCAR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	-20.000	10.000	BREF	6.0000 FT.
						XMRP	0.0575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

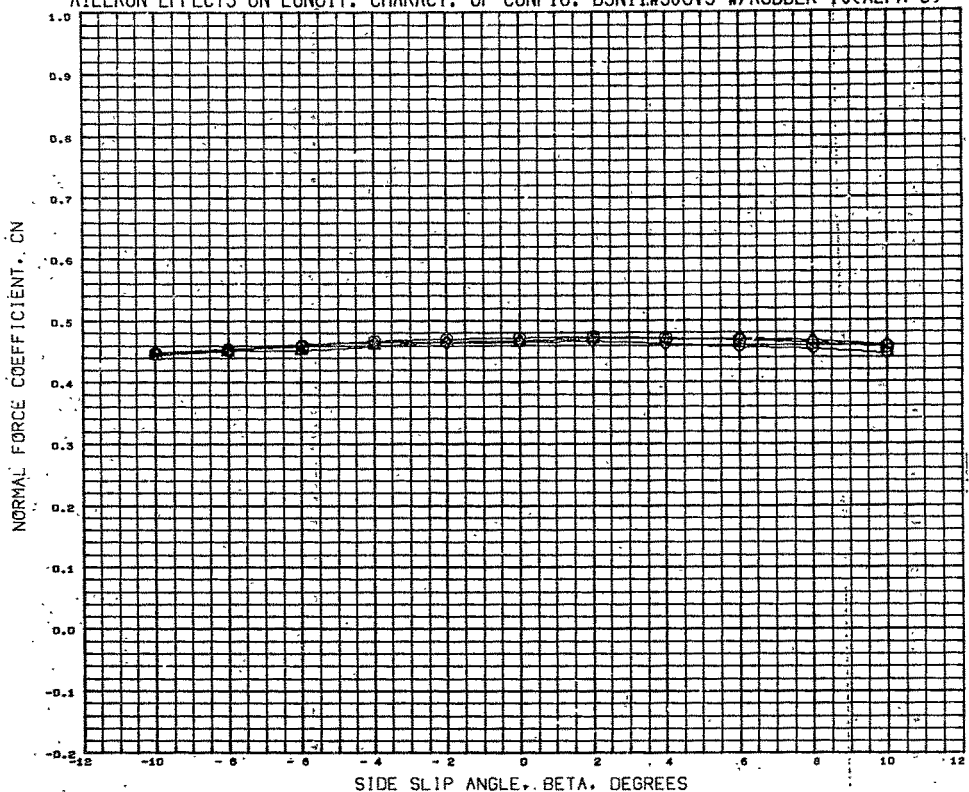
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10 (ALFA=6)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ048)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	0.000	10.000	SREF 9.0000 SQ. FT
(ACZ063)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	20.000	10.000	LREF 6.0000 FT.
(ACZ069)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	-20.000	10.000	BREF 6.0000 FT.
						XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

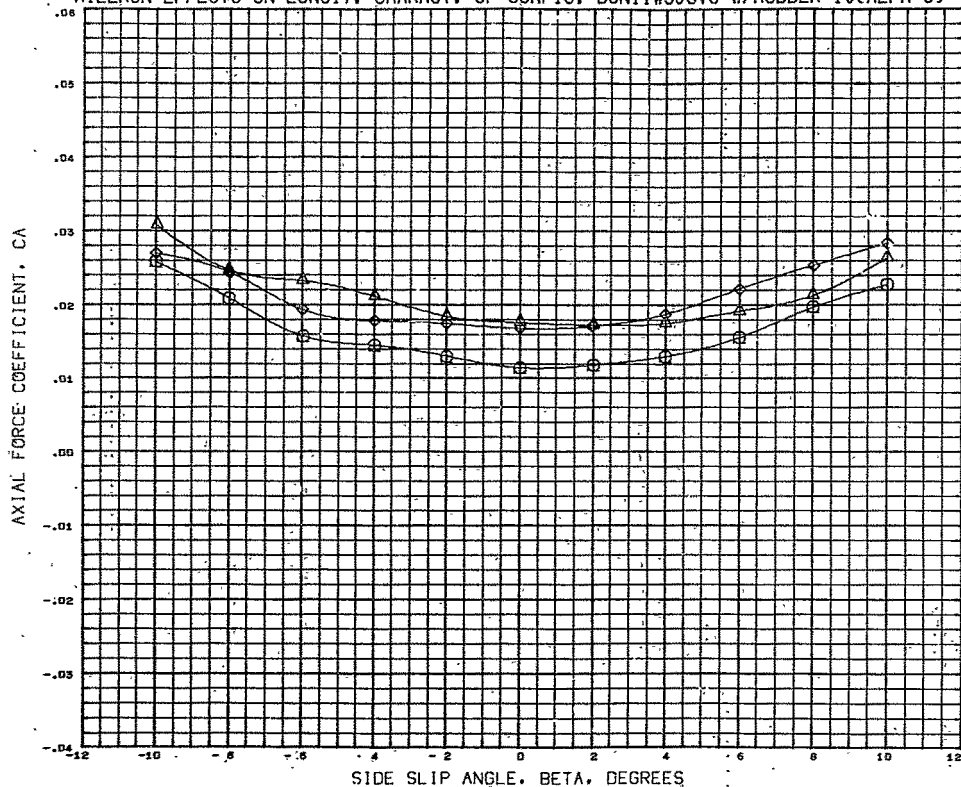
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10 (ALFA=8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ049)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	8.000	0.000	0.000	10.000	SREF	9.0000 Sq. FT.
(BCZ064)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	8.000	0.000	20.000	10.000	LREF	6.0000 FT.
(BCZ070)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	8.000	0.000	-20.000	10.000	PREF	5.0000 FT.
						YNRP	0.6575 REFL
						YNRP	0.0000 FT.
						ZNRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

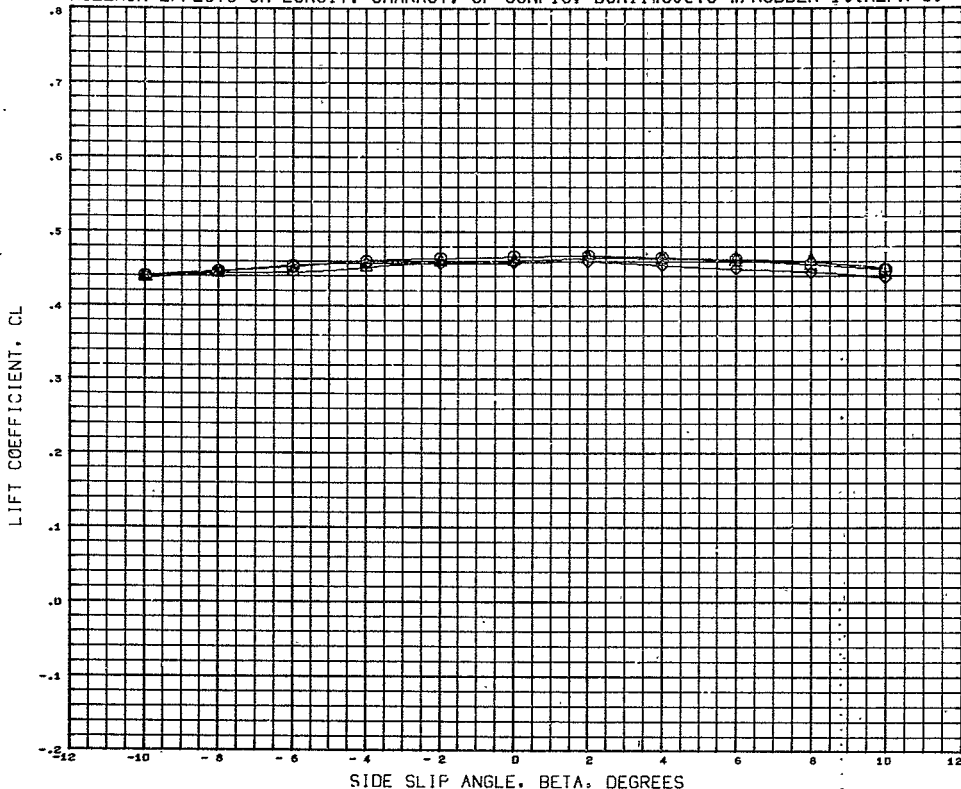
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZD49)	Q NCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	0.000	10.000	SREF 9.0000 SQ. FT.
(BCZD64)	Q NCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	20.000	10.000	LREF 6.0000 FT.
(BCZD70)	Q NCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	-20.000	10.000	BREF 6.0000 FT.
						YNRP 0.0575 REFL
						YNRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

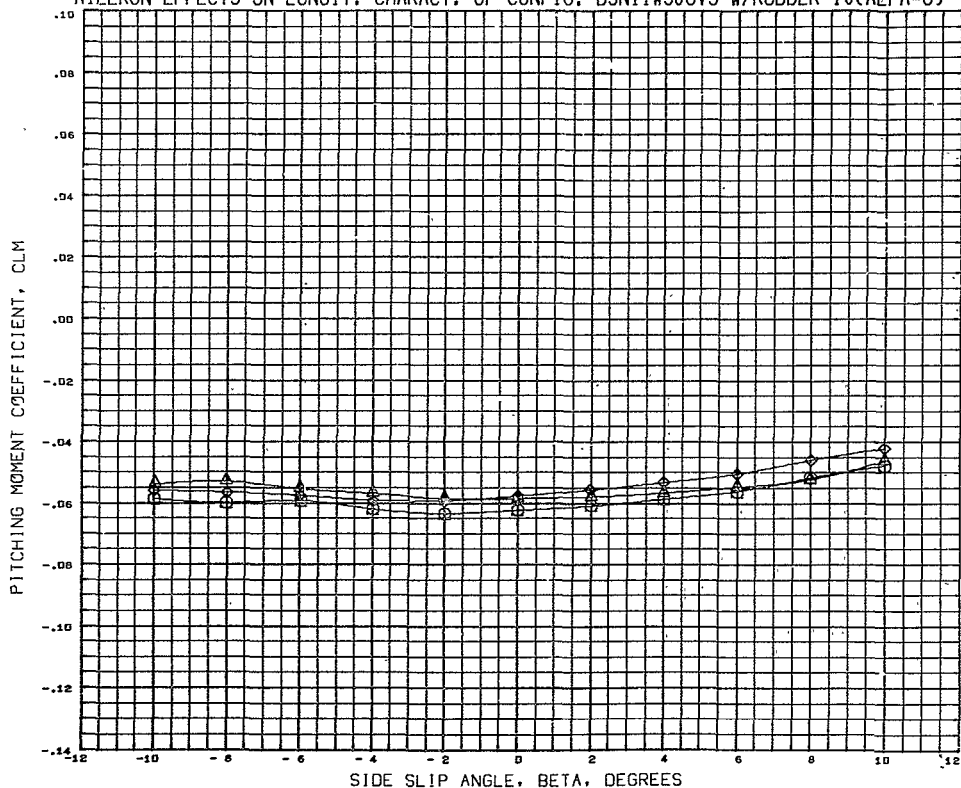
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION
(ACZ049)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	0.000	10.000	SREF	-9.0000 SQ. FT
(ACZ064)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	20.000	10.000	LREF	-6.0000 FT.
(ACZ070)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	-20.000	10.000	BREF	-6.0000 FT.
						YMRP	-0.8575 -REFL
						YMRP	-0.0000 FT.
						ZMRP	-0.0100 REFL
						SCALE	-0.0300 SCALE

MACH 0.260

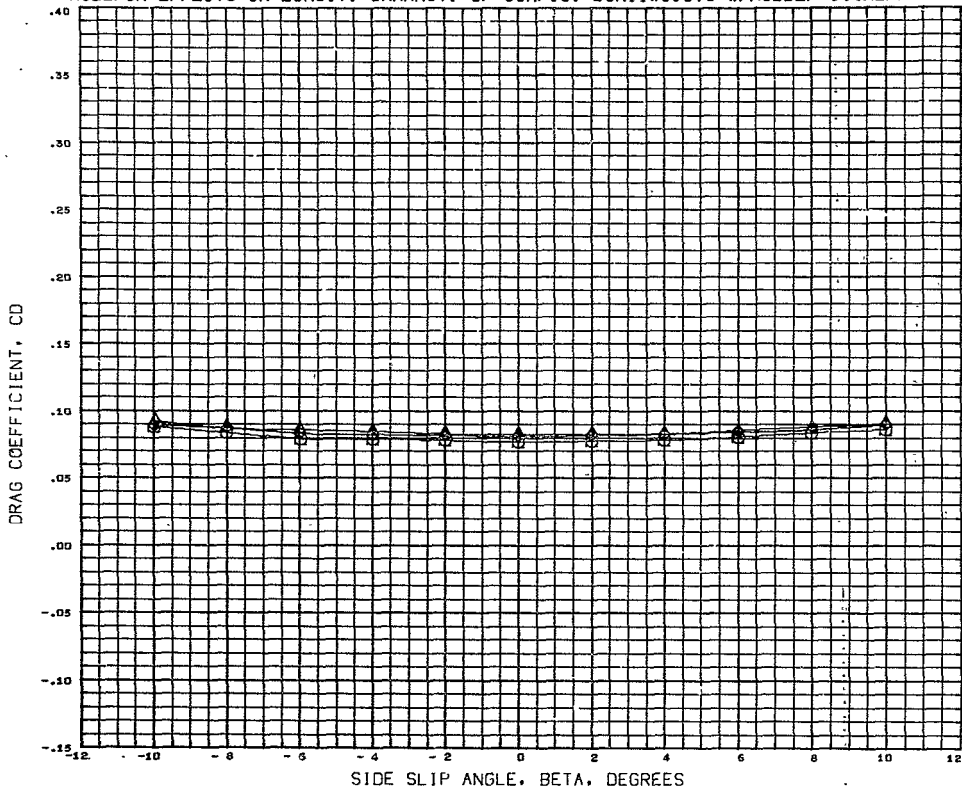
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION?
(ACZ049)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(ACZ064)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	20.000	10.000	LRFP	6.0000 FT.
(ACZ070)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	-20.000	10.000	BREF	6.0000 FT.
						XHRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

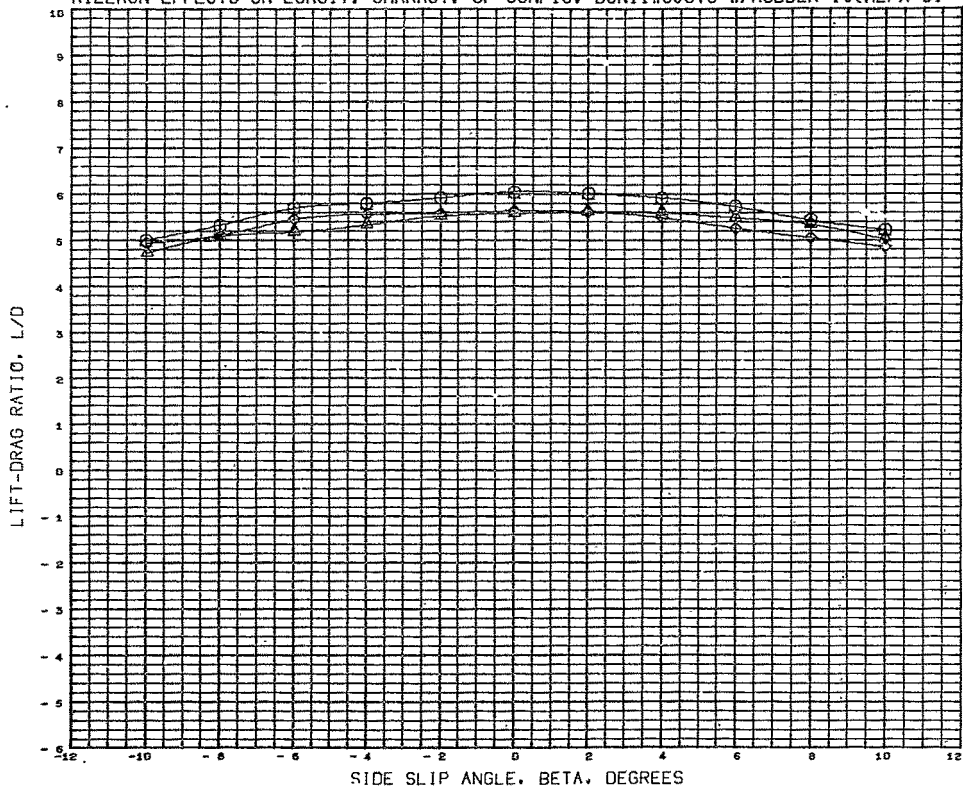
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(AC2049)	✧ MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(AC2064)	✧ MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	20.000	10.000	LREF	6.0000 FT.
(AC2070)	✧ MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	-20.000	10.000	BREF	5.0000 FT.
						YNRP	0.8575 REFL
						YNRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

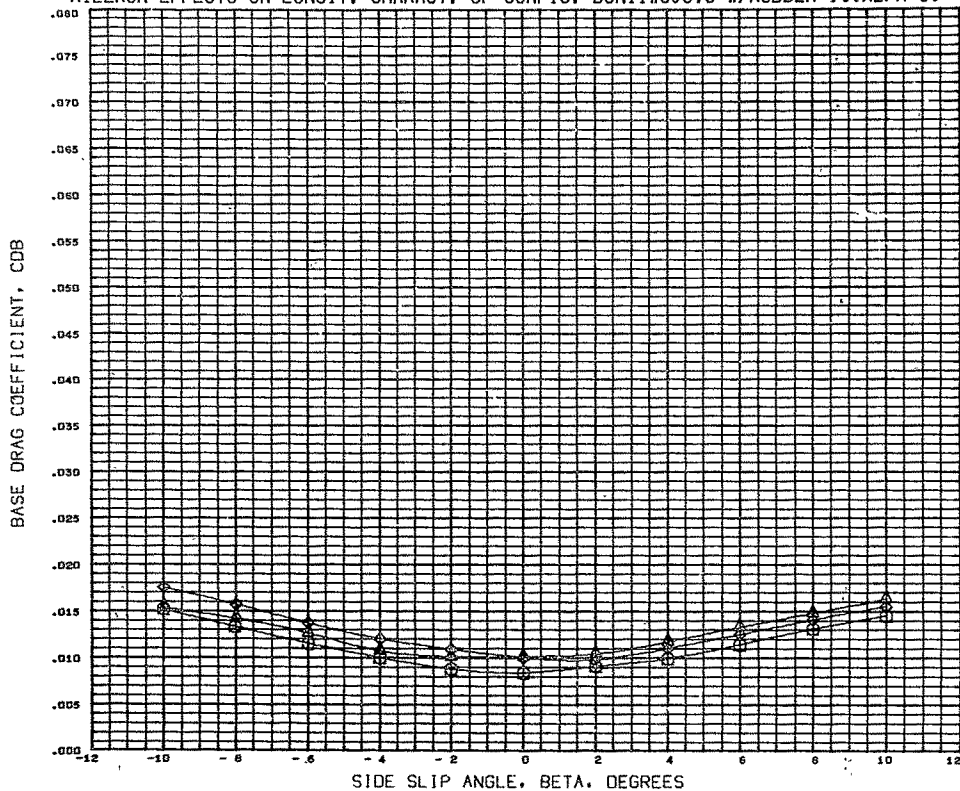
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ049)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(ACZ064)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	20.000	10.000	LREF	6.0000 FT. "
(ACZ070)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	-20.000	10.000	SREF	6.0000 FT. "
						XMRP	0.6575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

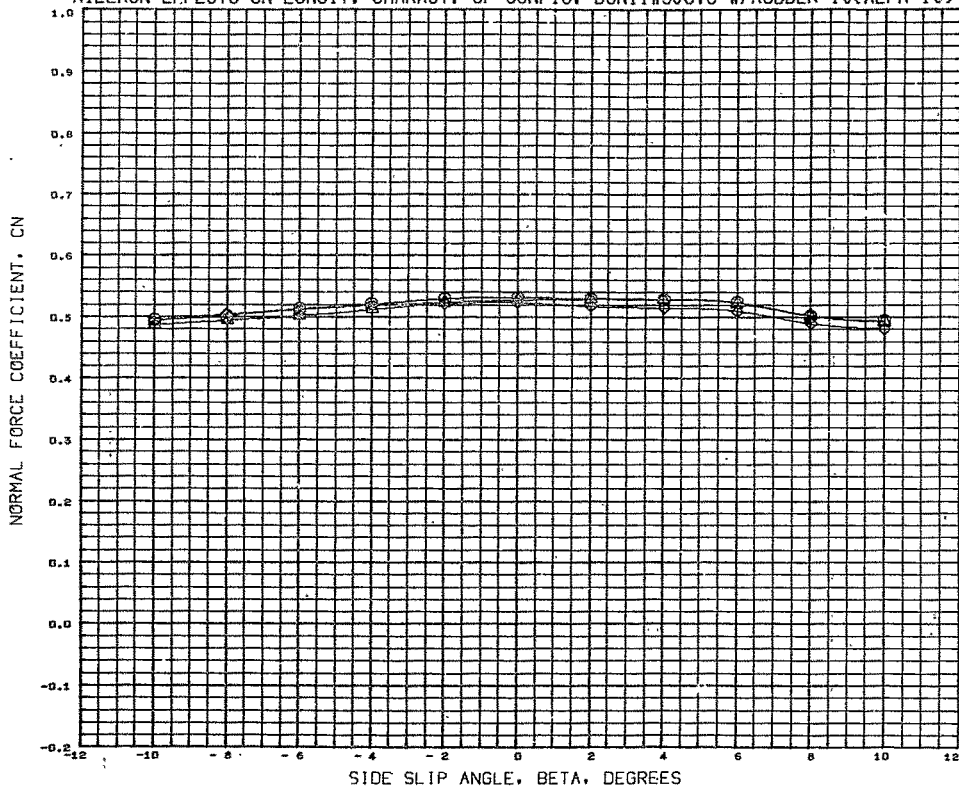
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION
(ACZ049)	MCAR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	-0.000	10.000	SREF	9.0000 Sq. FT
(ACZ064)	MCAR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	20.000	10.000	LREF	6.0000 FT.
(ACZ070)	MCAR LSMT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	-20.000	10.000	BREF	5.0000 FT.
						XMRF	0.0575 REFL
						YMRF	0.0000 FT.
						ZMRF	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

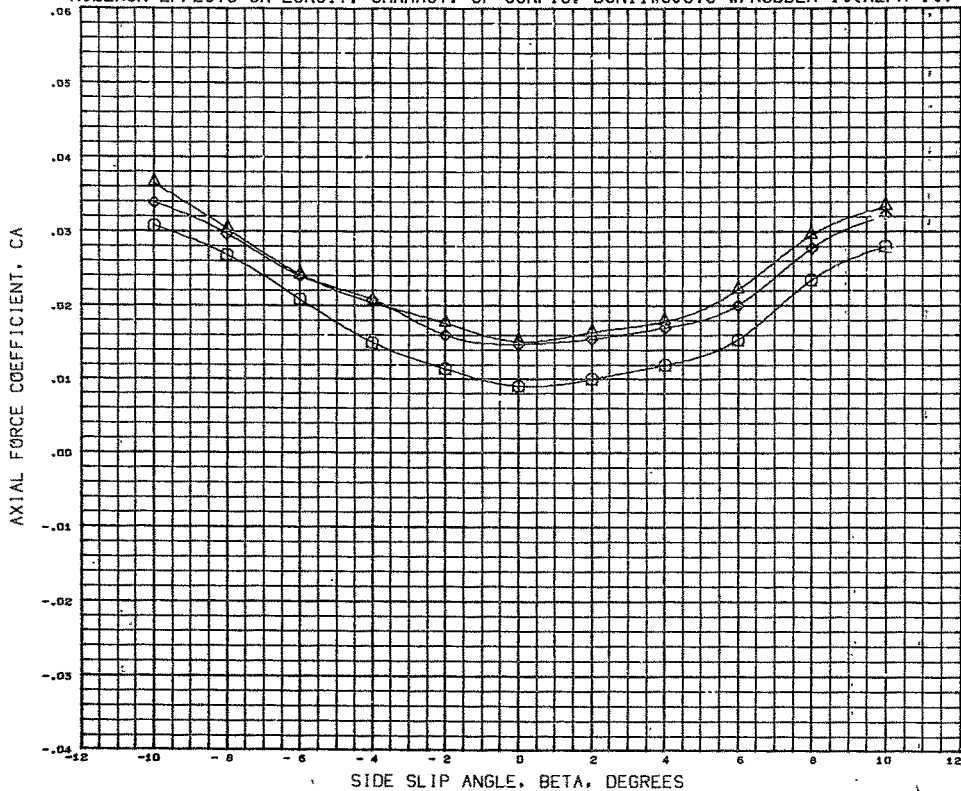
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=10)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ050)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(BCZ055)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	0.000	20.000	10.000	LREF	6.0000 FT.
(BCZ071)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	10.000	0.000	-20.000	10.000	BREF	3.0000 FT.
						XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

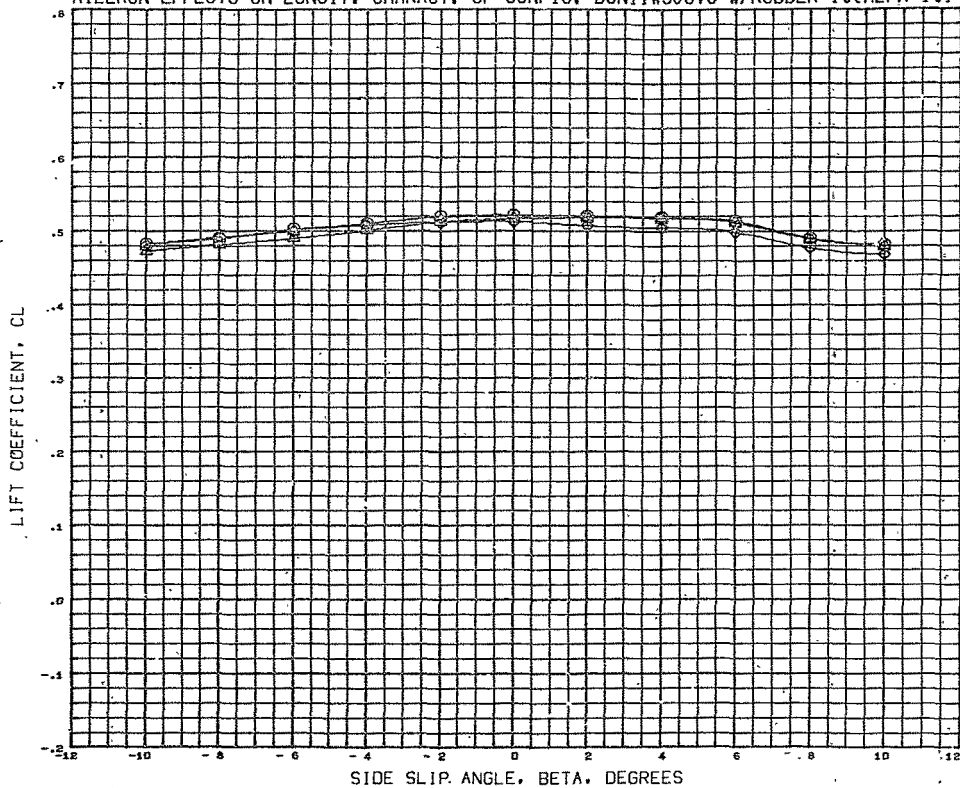
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=10)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BC2050)	MCAR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	10.000	0.000	0.000	10.000	SREF 9.0000 SQ. FT
(BC2065)	MCAR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	10.000	0.000	20.000	10.000	LREF 8.0000 FT.
(BC2071)	MCAR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	10.000	0.000	-20.000	10.000	BREF 8.0000 FT.
						YMRP 0.8575 REFL
						ZMRP 0.0000 FT.
						SCALE 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.280

AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10 (ALFA=10)

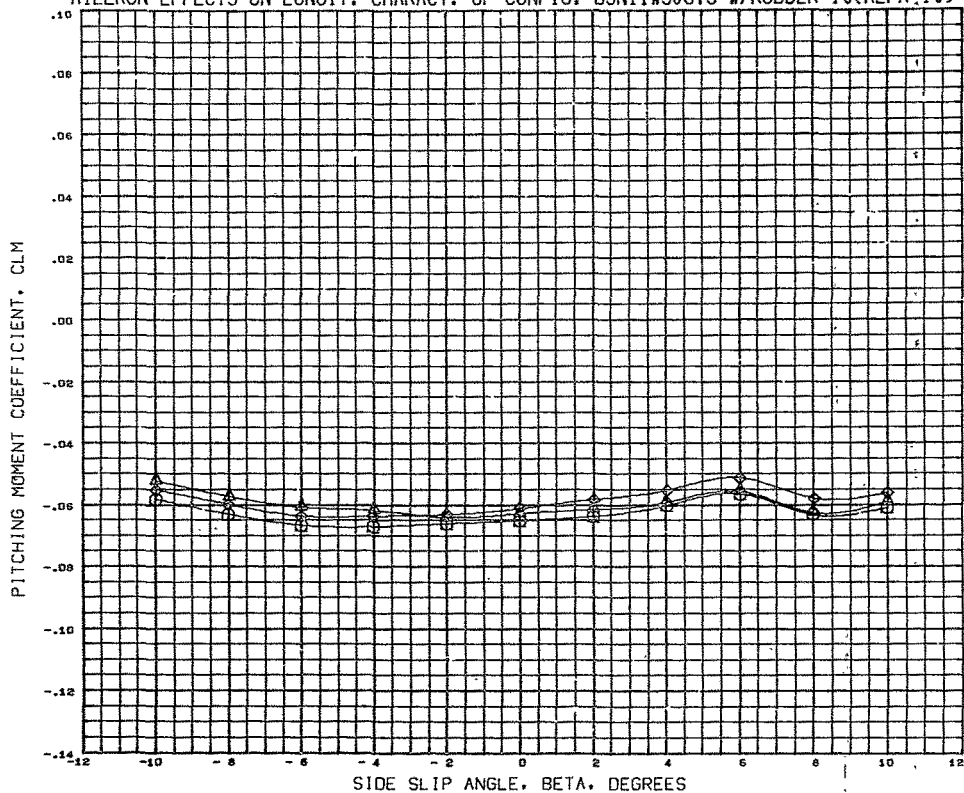


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ050)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	10.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(ACZ065)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	10.000	0.000	20.000	10.000	LREF	8.0000 FT.
(ACZ071)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	10.000	0.000	-20.000	10.000	BREF	6.0000 FT.
						XMRP	0.6575 REFL
						YMRP	10.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH

0.26L

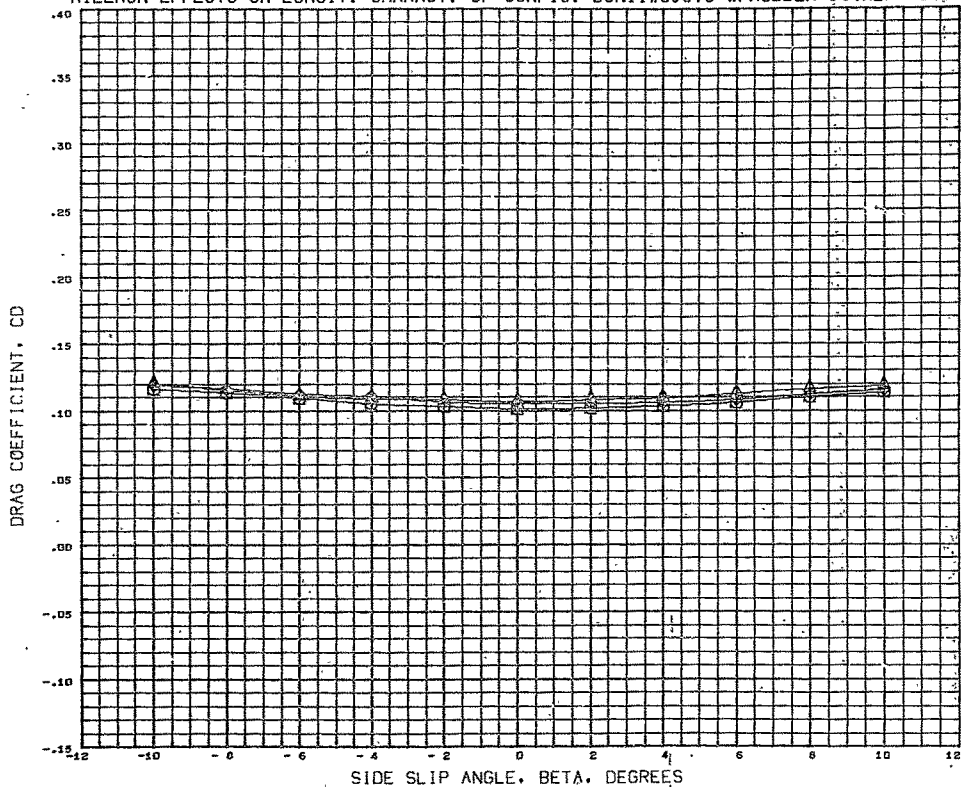
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10(ALFA=10)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION
(AC2050)	MCALR LSMT 258 3.0PCT MDAC/MMC BOOST B3N11W5J6V9	10.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT
(AC2065)	MCALR LSMT 258 3.0PCT MDAC/MMC BOOST B3N11W5J6V9	10.000	0.000	20.000	10.000	LREF	6.0000 FT.
(AC2071)	MCALR LSMT 258 3.0PCT MDAC/MMC BOOST B3N11W5J6V9	10.000	0.000	-20.000	10.000	BREF	5.0000 FT.
						XWRP	0.9875 REFL
						YWRP	0.0000 FT.
						ZWRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

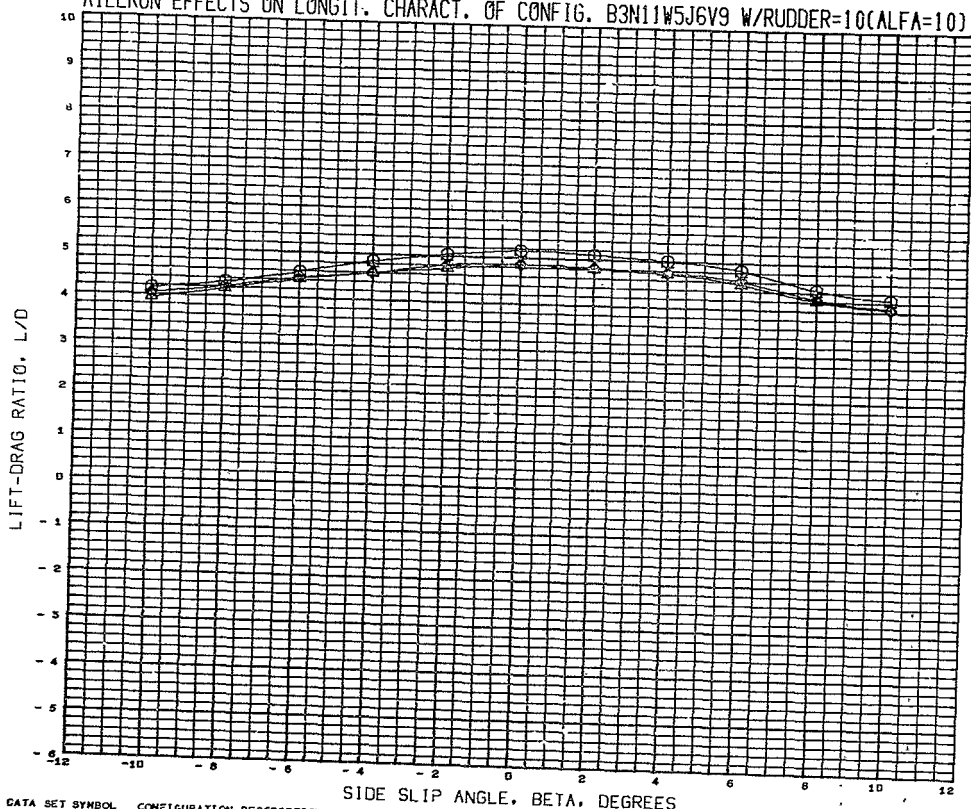
AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/ RUDDER=10 (ALFA=10)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ050)	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	10.000	0.000	0.000	10.000	SREF	9.0000 SQ. FT.
(ACZ065)	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	10.000	0.000	20.000	10.000	LREF	8.0000 FT.
(ACZ071)	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	10.000	0.000	-20.000	10.000	BREF	8.0000 FT.
						XMRP	0.8575 REFL.
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL.
						SCALE	0.0300 SCALE

MACH 0.260

AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. B3N11W5J6V9 W/RUDDER=10(ALFA=10)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ050) Q MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (ACZ059) A MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (ACZ071) D MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9

ALPHA	ELEVON	AILRON	RUDDER
10.000	0.000	0.000	10.000
10.000	0.000	20.000	10.000
10.000	0.000	-20.000	10.000

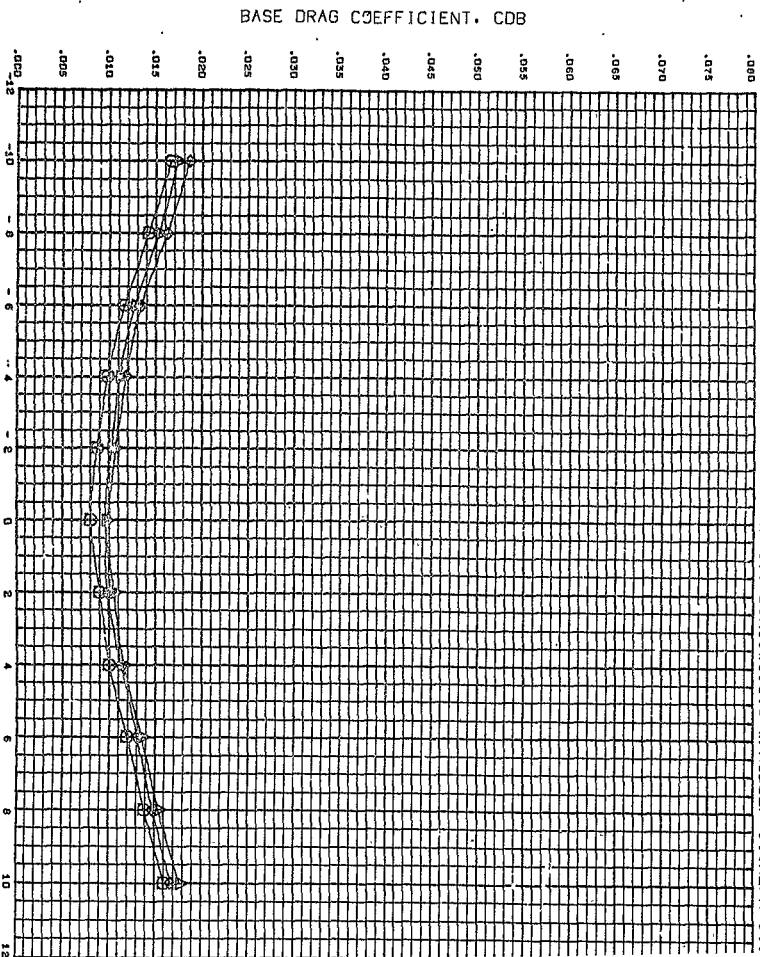
REFERENCE INFORMATION

SREF	9.0000	SQ. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
YMRP	0.8575	REFL
ZMRP	0.0000	FT.
SCALE	0.0300	SCALE

MACH

0.260

AILERON EFFECTS ON LONGIT. CHARACT. OF CONFIG. BN11W5J6V9 W/ RUDDER=10 (ALFA=10)



SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (AC2000) MCAR LAM 250 3.0PCT MD/C/MNC BOOST BN11W5J6V9
 (AC2001) MCAR LAM 250 3.0PCT MD/C/MNC BOOST BN11W5J6V9
 (AC2002) MCAR LAM 250 3.0PCT MD/C/MNC BOOST BN11W5J6V9
 (AC2003) MCAR LAM 250 3.0PCT MD/C/MNC BOOST BN11W5J6V9

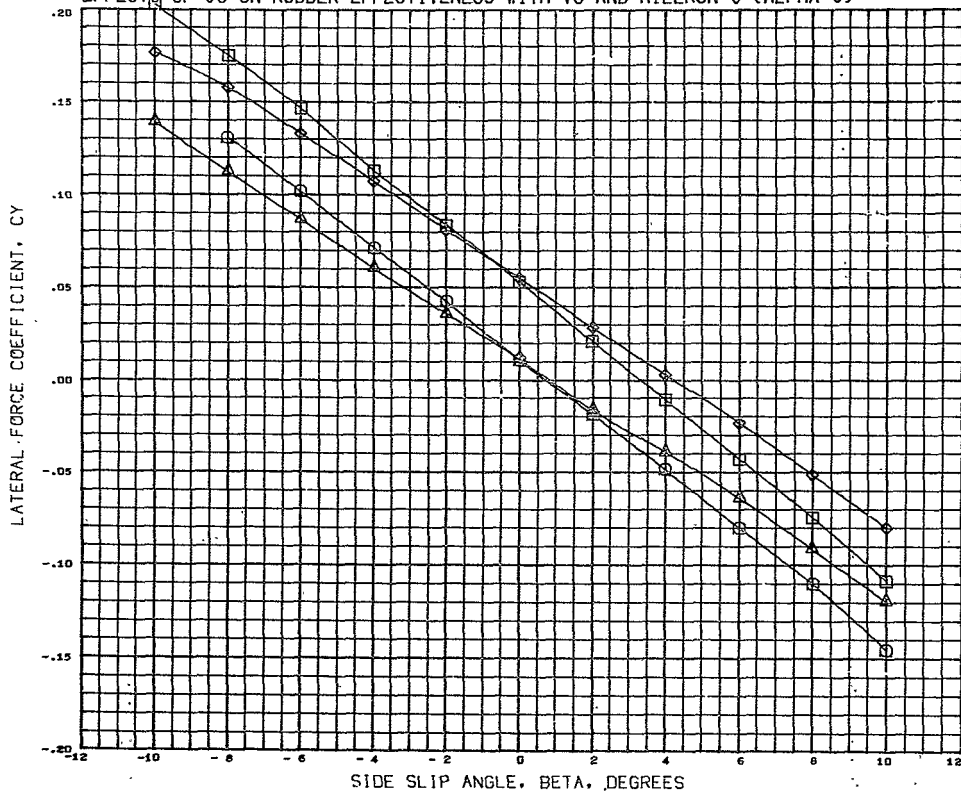
ALPHA 10.000
 ELEVON 0.000
 AILERON 0.000
 RUDDER 10.000

REFERENCE INFORMATION
 SREF 9.0000 93. FT
 LREF 8.0000 93. FT
 MREF 0.6875 93. FT
 SCALE 0.0000 93. FT
 SCALE 0.0000 93. FT

MACH

0.260

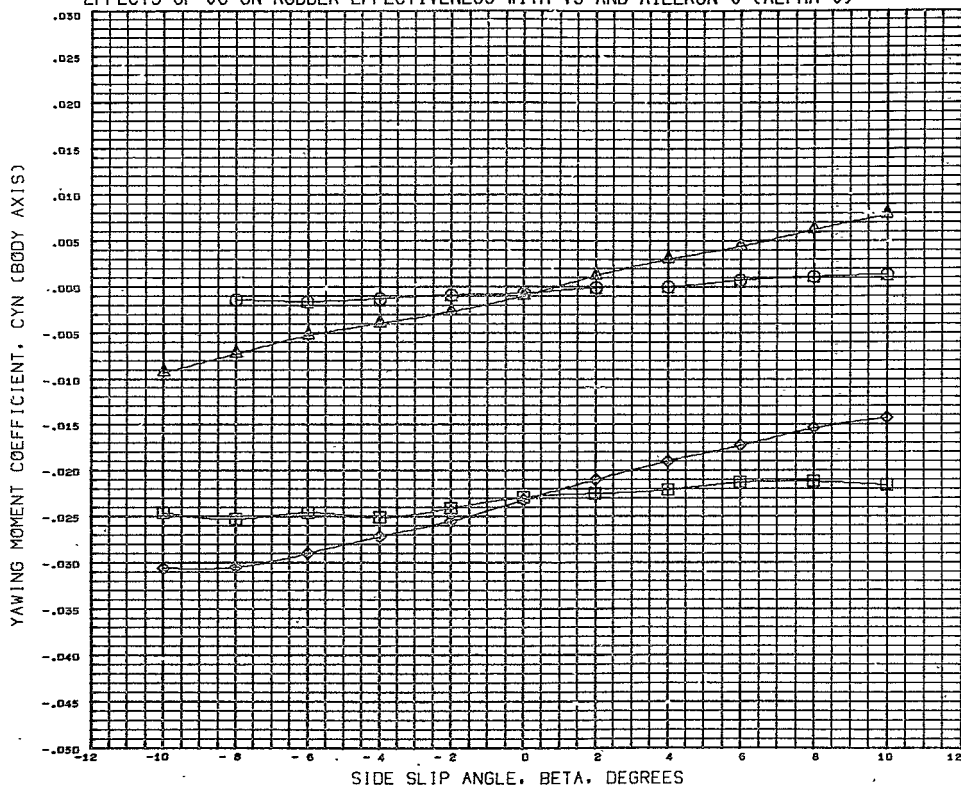
EFFECTS OF J6 ON RUDDER EFFECTIVENESS WITH V9 AND AILERON=0 (ALPHA=0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ028)	MCALR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ040)	MCALR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	LREF 6.0000 FT.
(BCZ056)	MCALR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	10.000	SREF 6.0000 FT.
(BCZ046)	MCALR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	10.000	YMRP 0.0575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0390 SCALE

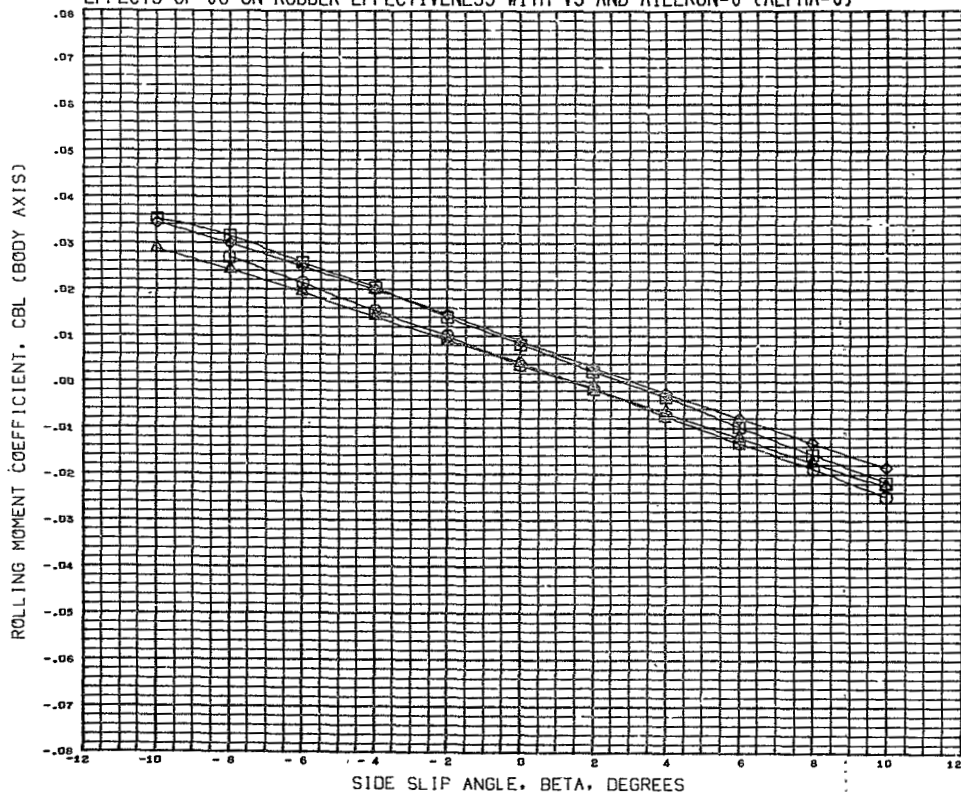
MACH 0.260

EFFECTS OF J6 ON RUDDER EFFECTIVENESS WITH V9 AND AILERON=0 (ALPHA=0)



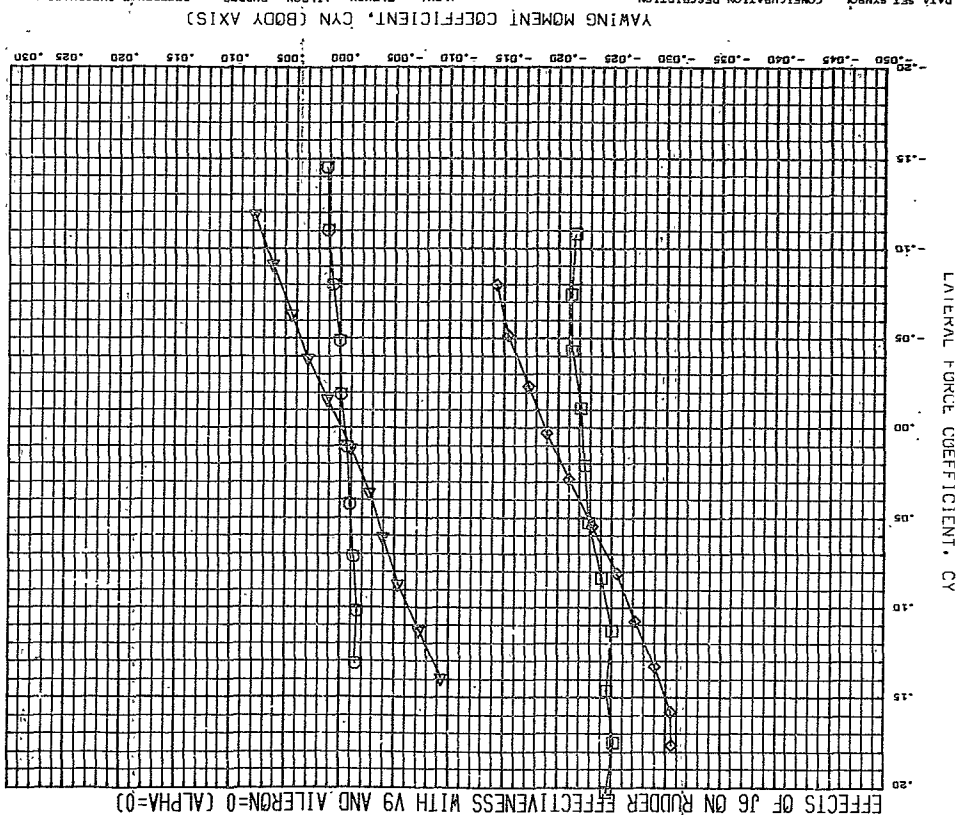
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BC2022)	MCAIR LSMT 258 3.DPCT MDAC/NHC BOOST 83N11W5J6V9	0.000	0.000	0.000	0.000	SREF 9.0000 Sq. FT
(BC2068)	MCAIR LSMT 258 3.DPCT MDAC/NHC BOOST 83N11W5V9	0.000	0.000	0.000	0.000	LREF 6.0000 FT.
(BC2069)	MCAIR LSMT 258 3.DPCT MDAC/NHC BOOST 83N11W5V9	0.000	0.000	0.000	10.000	BREF 8.0000 FT.
(BC2046)	MCAIR LSMT 258 3.DPCT MDAC/NHC BOOST 83N11W5J6V9	0.000	0.000	0.000	10.000	XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE
MACH	0.260					

EFFECTS OF J6 ON RUDDER EFFECTIVENESS WITH V9 AND AILERON=0 (ALPHA=0)

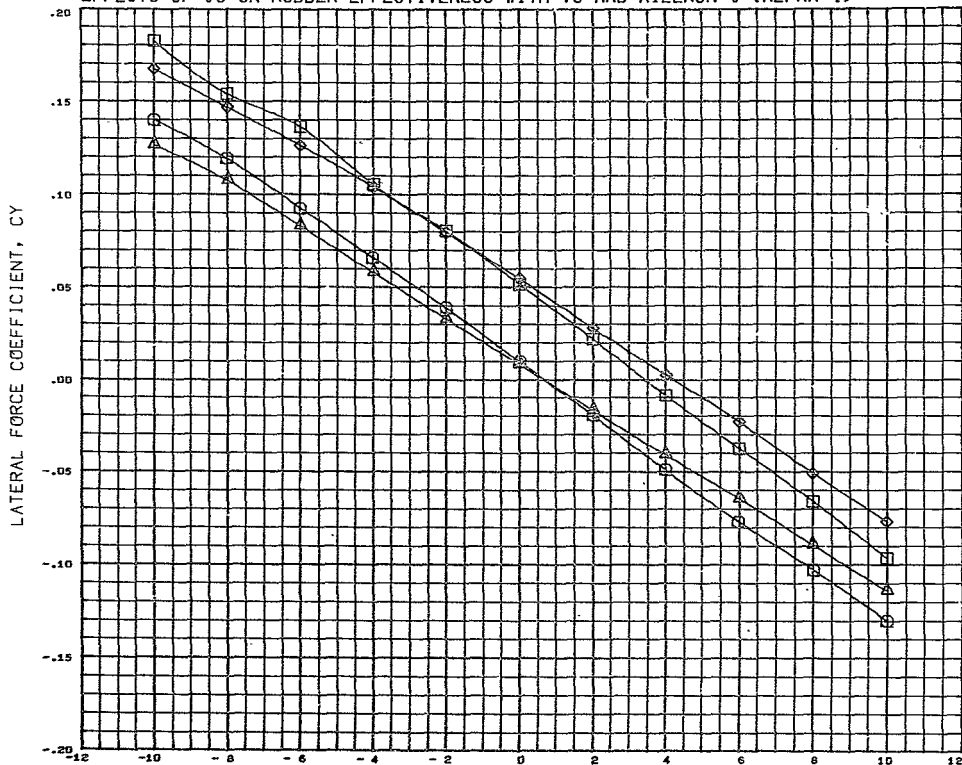


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BC2022)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	BREF 9.0000 SQ. FT
(BC2080)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	LREF 6.0000 FT.
(BC2088)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	10.000	BREF 6.0000 FT.
(BC2046)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	10.000	XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260



EFFECTS OF J6 ON RUDDER EFFECTIVENESS WITH V9 AND AILERON=0 (ALPHA=4)

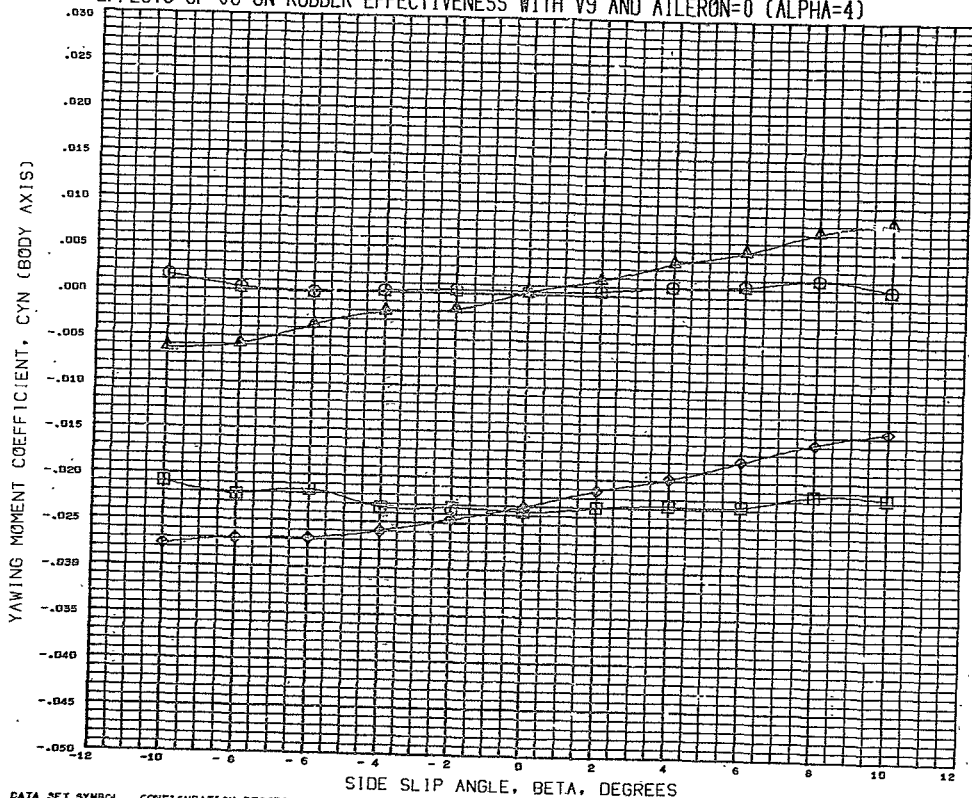


SIDE SLIP ANGLE, BETA, DEGREES

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(8C2023)	□	NCAIR LSMT 250 3.0PCT MDAC/MHC BOOST 83N11W5J6V9	4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(8C2081)	◇	NCAIR LSMT 250 3.0PCT MDAC/MHC BOOST 83N11W5V9	4.000	0.000	0.000	0.000	LREF 6.0000 FT.
(8C2089)	△	NCAIR LSMT 250 3.0PCT MDAC/MHC BOOST 83N11W5V9	4.000	0.000	0.000	10.000	BREF 6.0000 FT.
(8C2047)	○	NCAIR LSMT 250 3.0PCT MDAC/MHC BOOST 83N11W5J6V9	4.000	0.000	0.000	10.000	ZHRP 0.8575 REFL FT.
							YHRP 0.0000 FT.
							ZHRP 0.0100 REFL SCALE
							SCALE 0.0300 SCALE

MACH 0.260

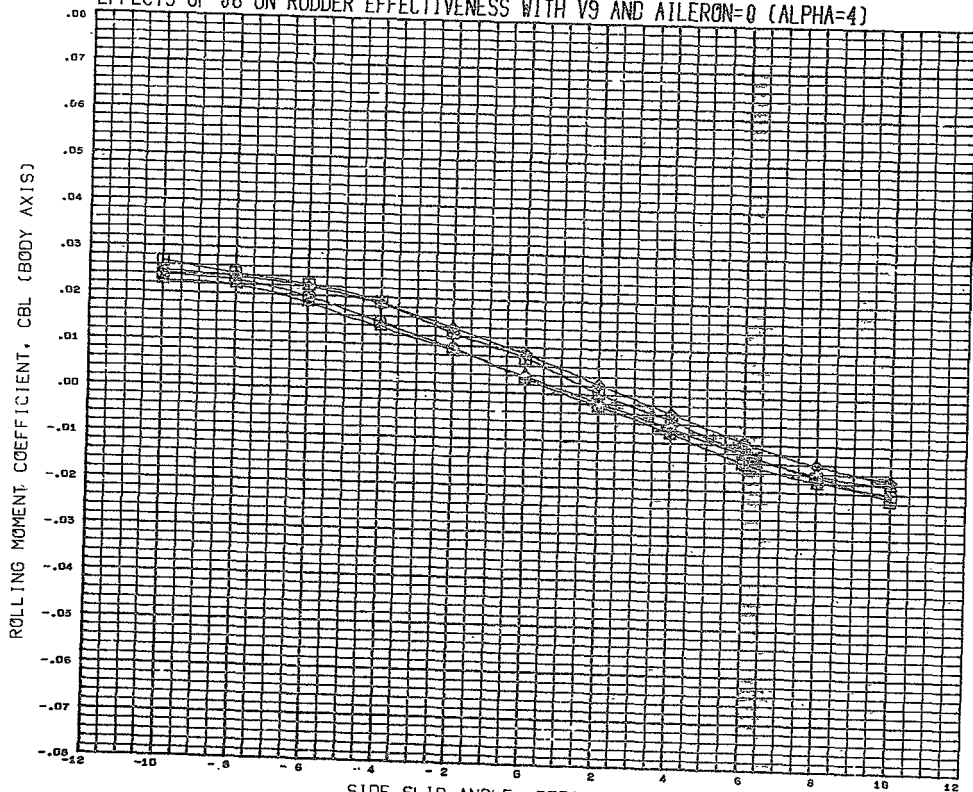
EFFECTS OF J6 ON RUDDER EFFECTIVENESS WITH V9 AND AILERON=0 (ALPHA=4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ023)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ081)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	0.000	LREF 8.0000 FT.
(BCZ089)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	10.000	BREF 8.0000 FT.
(BCZ047)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	10.000	YMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

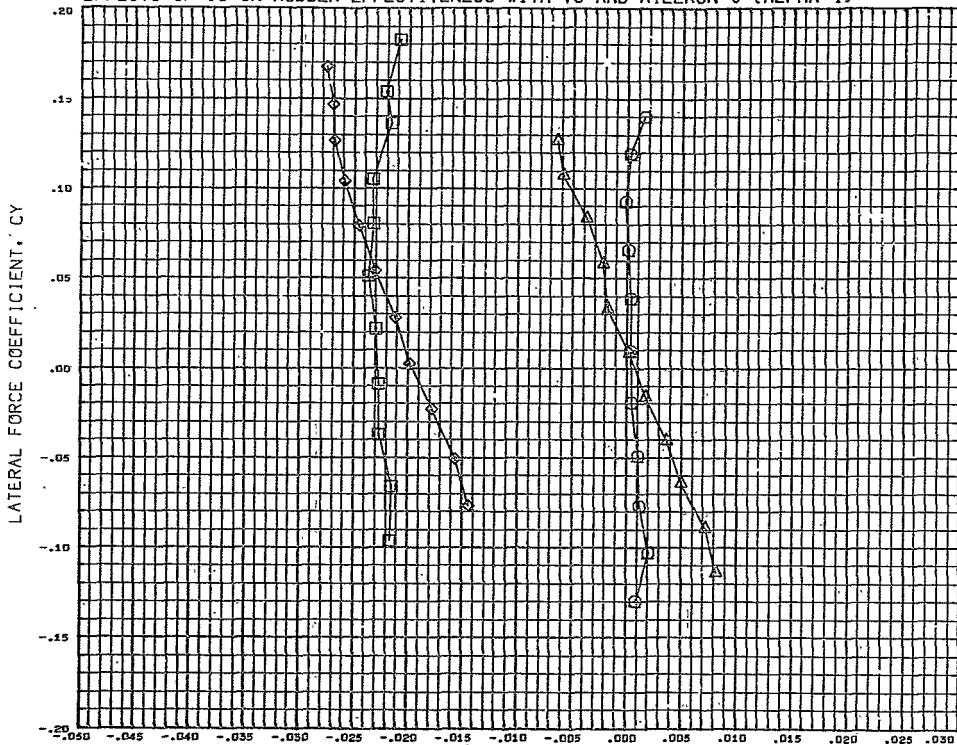
EFFECTS OF J6 ON RUDDER EFFECTIVENESS WITH V9 AND AILERON=0 (ALPHA=4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ023)	NCAIR LSWT 250 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT.
(BCZ061)	NCAIR LSWT 250 3.0PCT NDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	0.000	LREF 6.0000 FT.
(BCZ089)	NCAIR LSWT 250 3.0PCT NDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	10.000	SREF 6.0000 FT.
(BCZ047)	NCAIR LSWT 250 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	10.000	XRRP 0.0575 REFL
						YRRP 0.0000 FT.
						ZRRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

EFFECTS OF J6 ON RUDDER EFFECTIVENESS WITH V9 AND AILERON=0 (ALPHA=4)



YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET, SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BC2023)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BC2081)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	0.000	LREF	6.0000 FT.
(BC2047)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	10.000	RREF	6.0000 FT.
						XMRP	0.8375 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

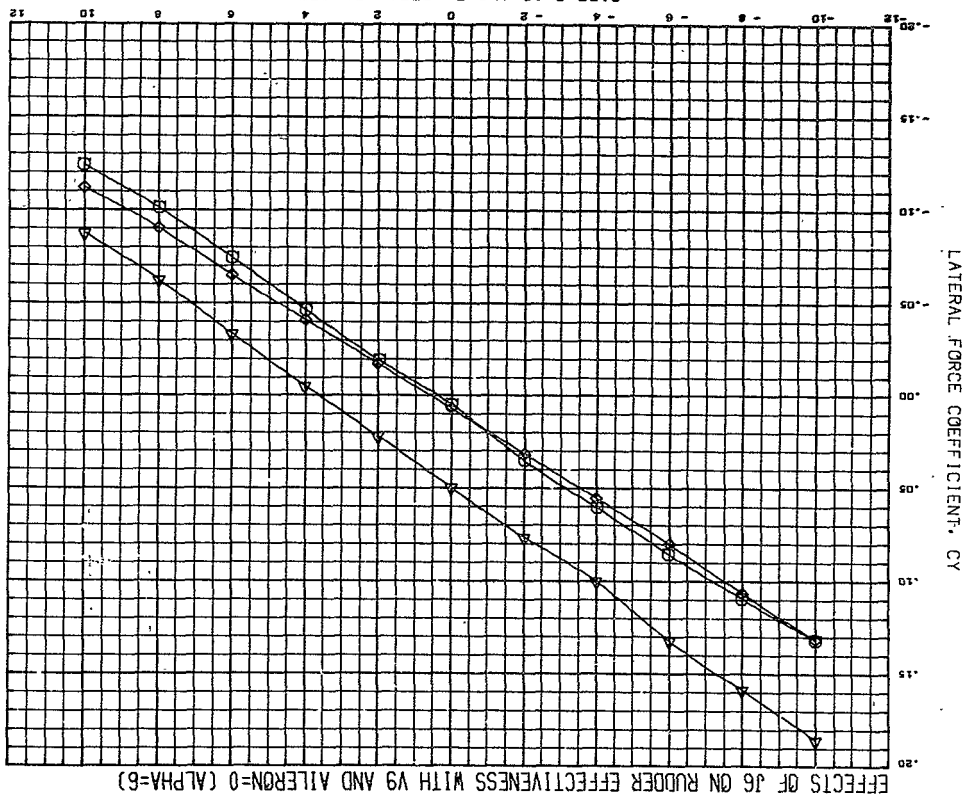
MACH 0.260

0920 0500

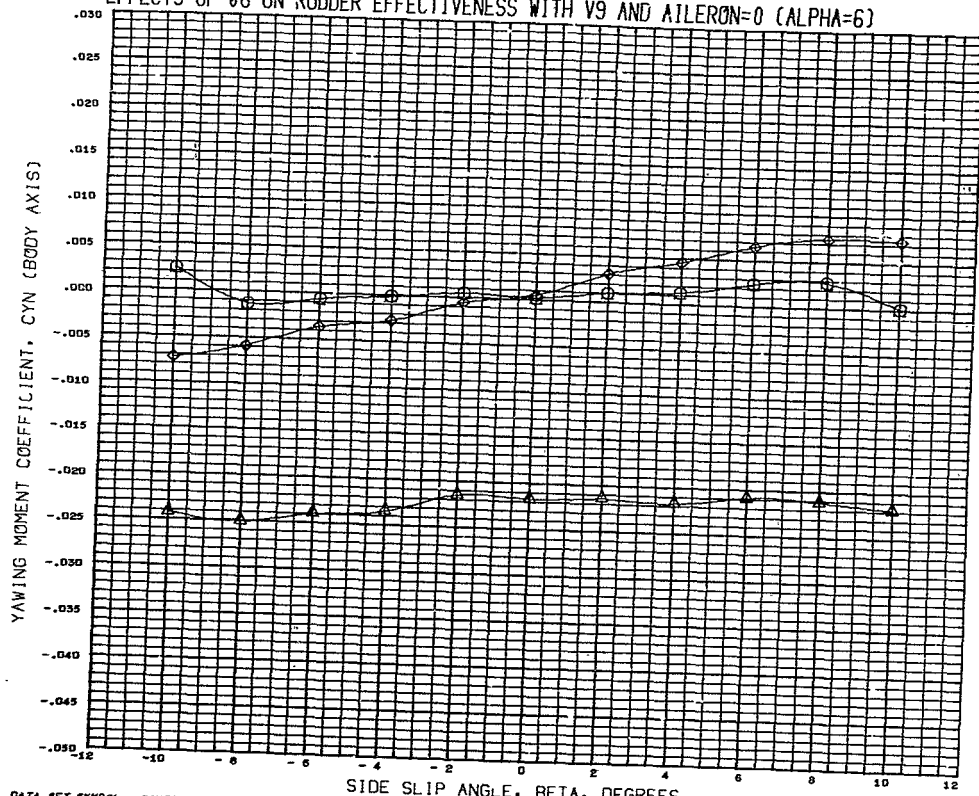
DATA SET SYMBOL
(BCZ024)
(BCZ046)
(BCZ082)

MC AIR LBM1	258	3.0PCT	MDAC/MHC	BOOST	B3N1M5J6V9
MC AIR L5MT	258	3.0PCT	MDAC/MHC	BOOST	B3N1M5J6V9
MC AIR L5MT	258	3.0PCT	MDAC/MHC	BOOST	B3N1M5V9

SIDE SLIP ANGLE, BETA, DEGREES



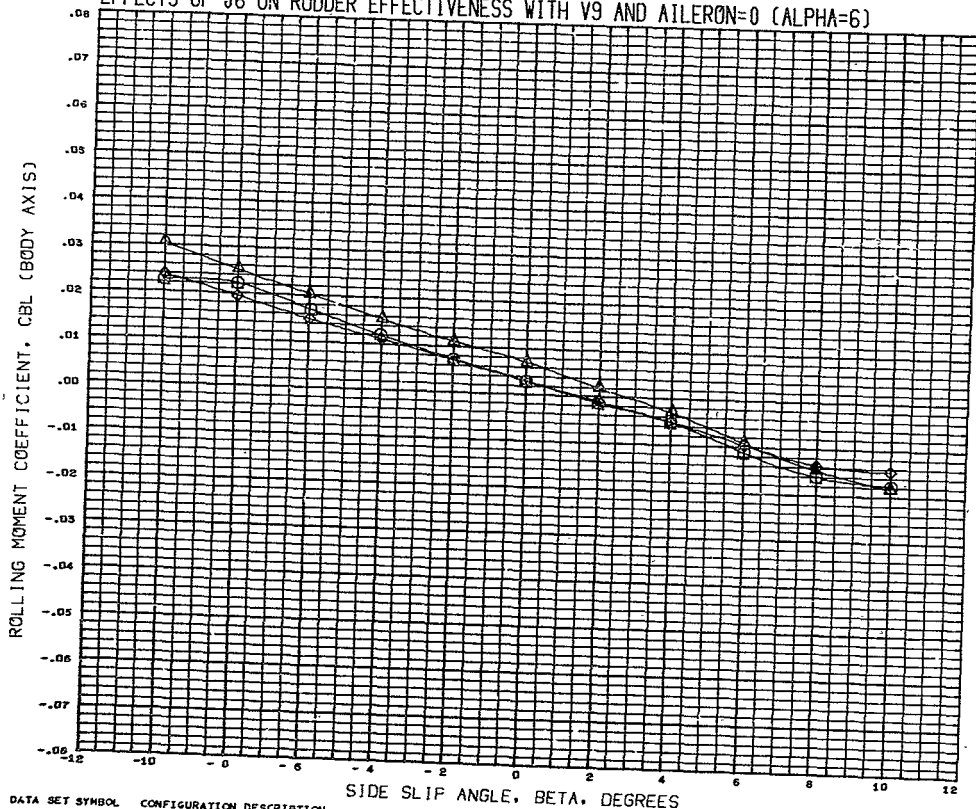
EFFECTS OF J6 ON RUDDER EFFECTIVENESS WITH V9 AND AILERON=0 (ALPHA=6)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(8C2024)	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(8C2048)	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	0.000	10.000	LREF	6.0000 FT.
(8C2082)	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5V9	6.000	0.000	0.000	0.000	OREF	6.0000 FT.
						XMRP	0.9575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

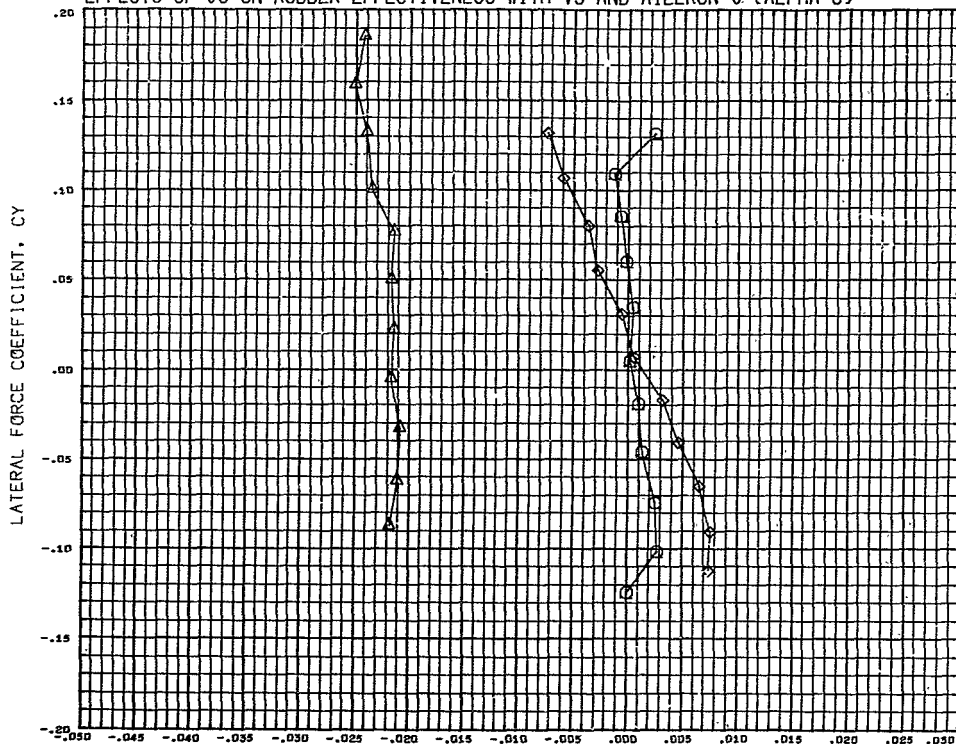
EFFECTS OF J6 ON RUDDER EFFECTIVENESS WITH V9 AND AILERON=0 (ALPHA=6)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ024)	MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N1W5J6V9	6.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ048)	MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N1W5J6V9	6.000	0.000	0.000	10.000	LREF 6.0000 FT.
(BCZ082)	MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N1W5V9	6.000	0.000	0.000	0.000	BREF 6.0003 FT.
						XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

EFFECTS OF J6 ON RUDDER EFFECTIVENESS WITH V9 AND AILERON=0. (ALPHA=6)

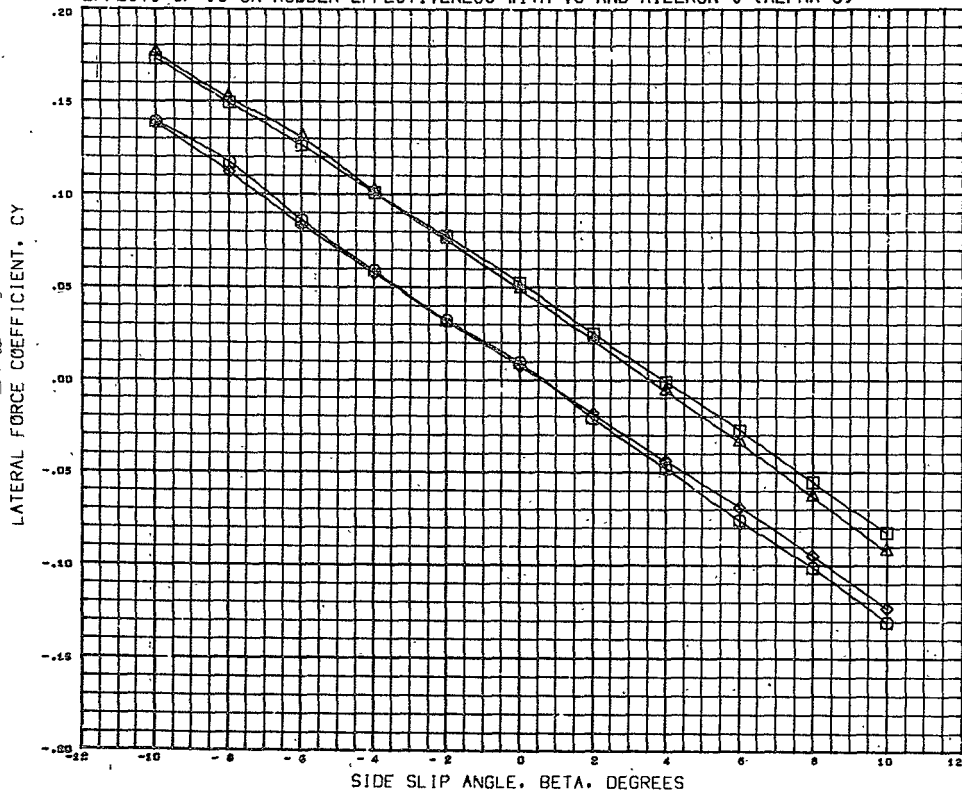


YAWING MOMENT COEFFICIENT, C_{Y_N} (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZD24)	MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WJ6V9	6.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZD48)	MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WJ6V9	6.000	0.000	0.000	10.000	LREF	6.0000 FT.
(BCZD82)	MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WJ6V9	6.000	0.000	0.000	0.000	BREF	6.0000 FT.
						XWRP	0.8575 REFL
						YWRP	0.0000 FT.
						ZWRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

EFFECTS OF J6 ON RUDDER EFFECTIVENESS WITH V9 AND AILERON=0 (ALPHA=8)



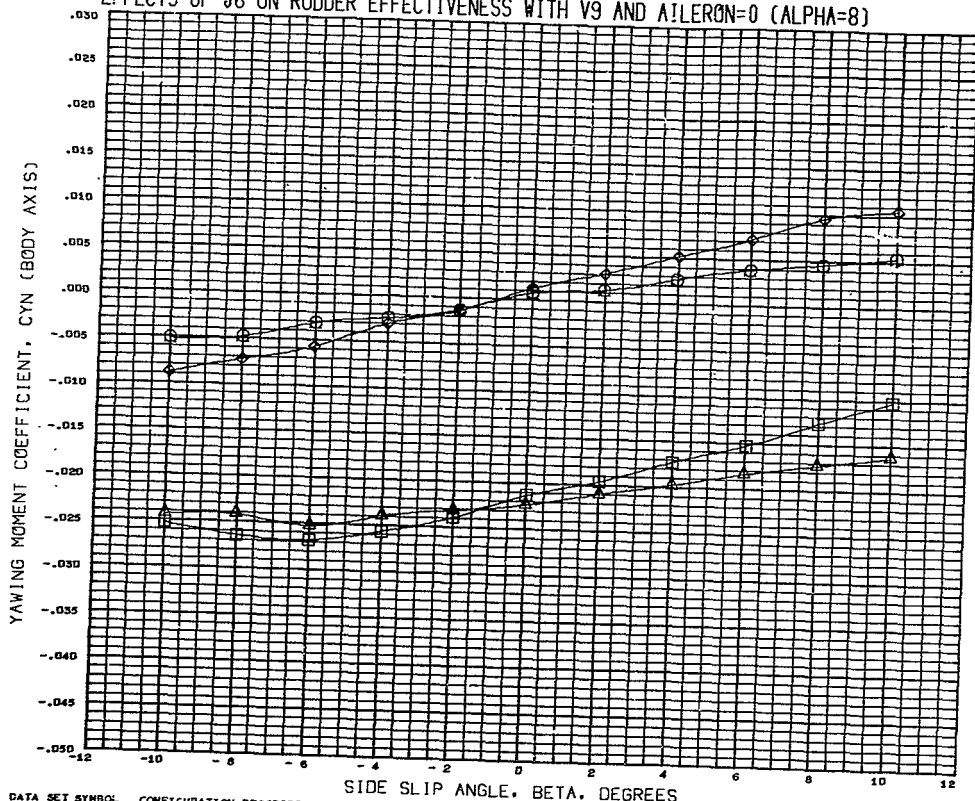
DATA KEY SYMBOL CONFIGURATION DESCRIPTION

(BC2023) MCAIR LSWT 250 3.0PCT MDAC/NHC BOOST B3N11U3J8V9
 (BC2049) MCAIR LSWT 250 3.0PCT MDAC/NHC BOOST B3N11U3J8V9
 (BC2063) MCAIR LSWT 250 3.0PCT MDAC/NHC BOOST B3N11U3J8V9
 (BC2091) MCAIR LSWT 250 3.0PCT MDAC/NHC BOOST B3N11U3J8V9

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
8.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
8.000	0.000	0.000	10.000	LREF 6.0000 FT.
8.000	0.000	0.000	0.000	BREF 6.0000 FT.
8.000	0.000	0.000	10.000	XWRP 0.8373 REFL
				YWRP 0.0000 FT.
				ZWRP 0.0100 REFL
				SCALE 0.0300 SCALE

HACH 0.260

EFFECTS OF J6 ON RUDDER EFFECTIVENESS WITH V9 AND AILERON=0 (ALPHA=8)



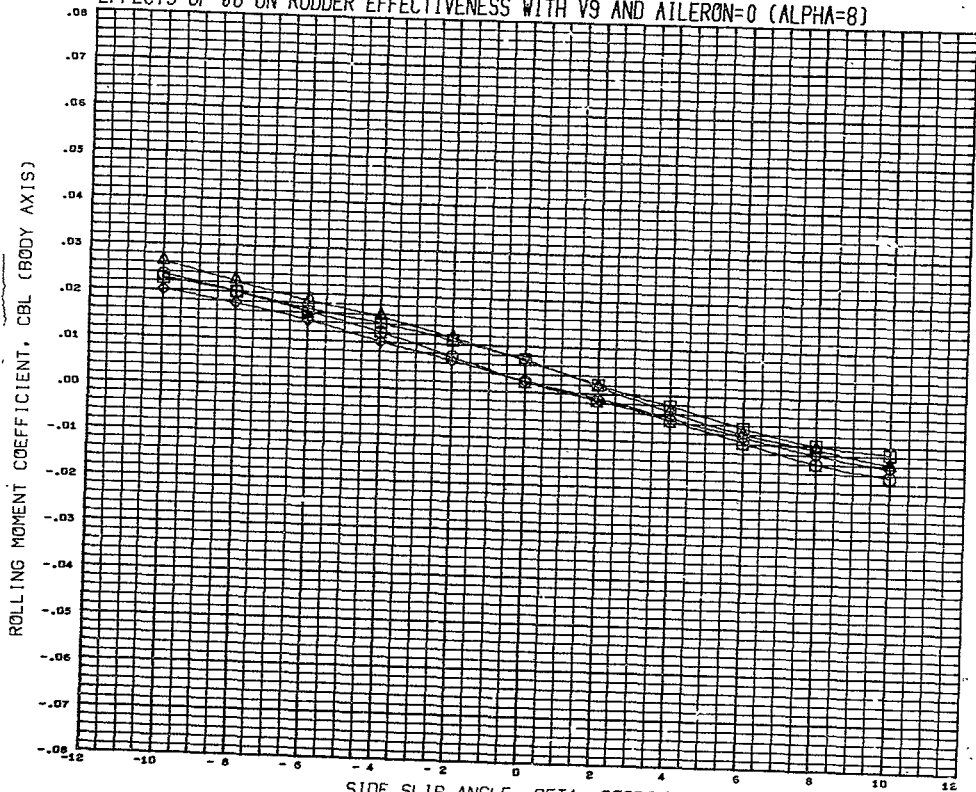
DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BCZ023) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (BCZ049) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (BCZ083) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9
 (BCZ091) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
8.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
8.000	0.000	0.000	10.000	LREF 6.0000 FT.
8.000	0.000	0.000	0.000	BREF 6.0000 FT.
8.000	0.000	0.000	10.000	XWRP 0.8575 REFL
				YMRP 0.0000 FT.
				ZMRP 0.0100 REFL
				SCALE 0.0300 SCALE

MACH 0.260

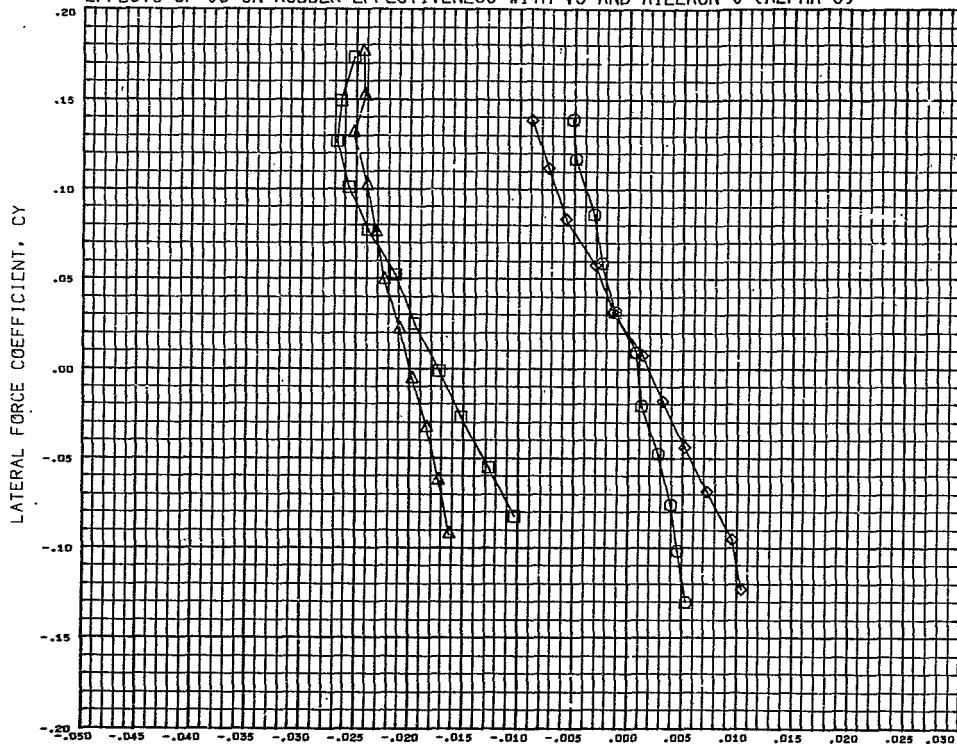
EFFECTS OF J6 ON RUDDER EFFECTIVENESS WITH V9 AND AILERON=0 (ALPHA=8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILERON	RUDDER	REFERENCE INFORMATION
(BC2025)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N1W5J6V9	8.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BC2049)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N1W5J6V9	8.000	0.000	0.000	10.000	LREF 6.0000 FT.
(BC2083)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N1W5V9	8.000	0.000	0.000	10.000	BREF 6.0003 FT.
(BC2091)	MCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N1W5V9	8.000	0.000	0.000	10.000	YHRP 0.8575 REFL
						ZHRP 0.0000 FT.
						SCALE 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

EFFECTS OF J6 ON RUDDER EFFECTIVENESS WITH V9 AND AILERON=0 (ALPHA=8)

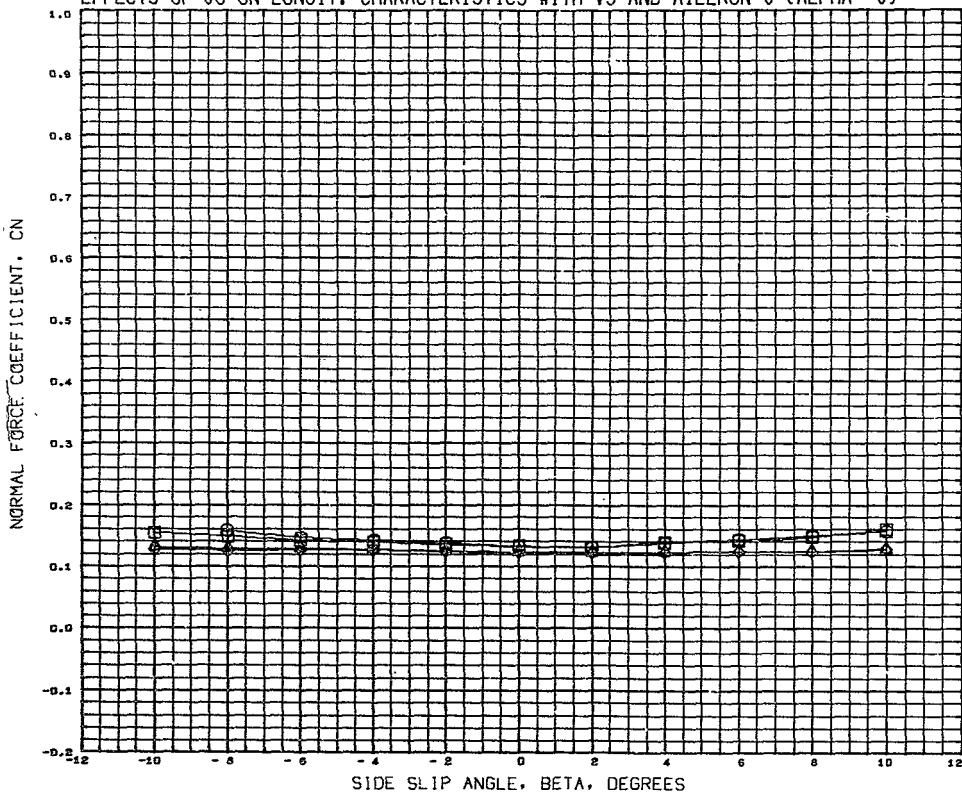


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ025)	HCAR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	8.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZ049)	HCAR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	8.000	0.000	0.000	10.000	LREF	6.0000 FT.
(BCZ083)	HCAR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5V9	8.000	0.000	0.000	0.000	BREF	6.0000 FT.
(BCZ091)	HCAR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5V9	8.000	0.000	0.000	10.000	XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.265

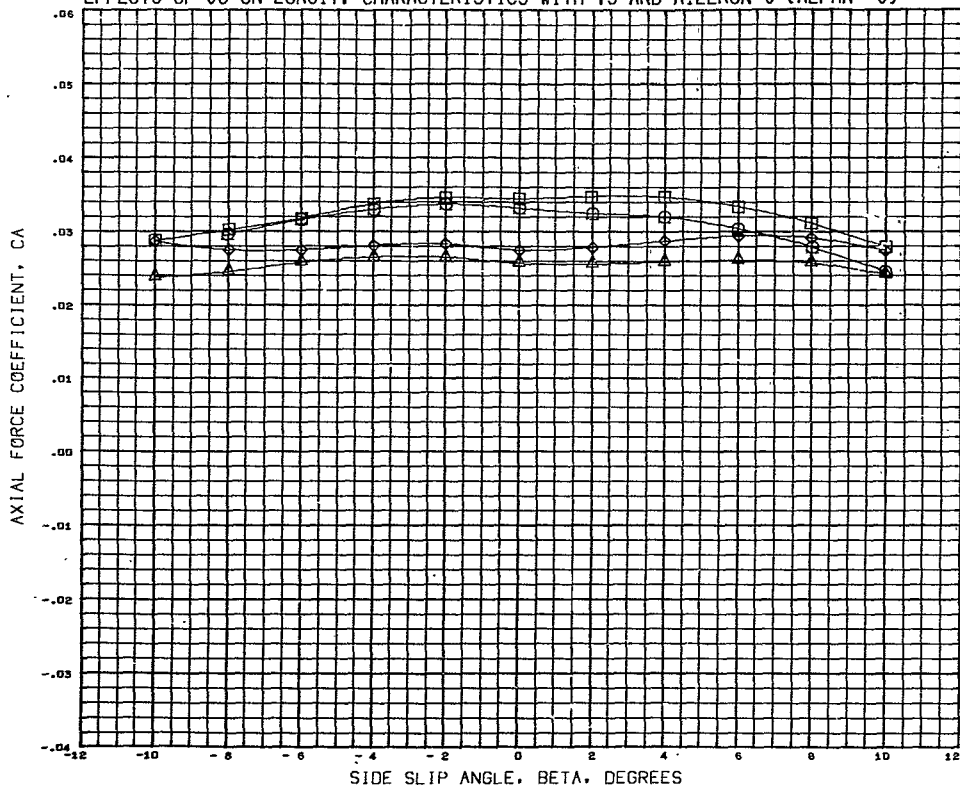
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZD22)	NCAIR LSMT 256 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZD68)	NCAIR LSMT 256 3.0PCT MDAC/HMC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	LREF 6.0000 FT.
(BCZD69)	NCAIR LSMT 256 3.0PCT MDAC/HMC BOOST B3N11W5V9	0.000	0.000	0.000	10.000	SREF 6.0000 FT.
(BCZD66)	NCAIR LSMT 256 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	0.000	0.000	0.000	10.000	XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

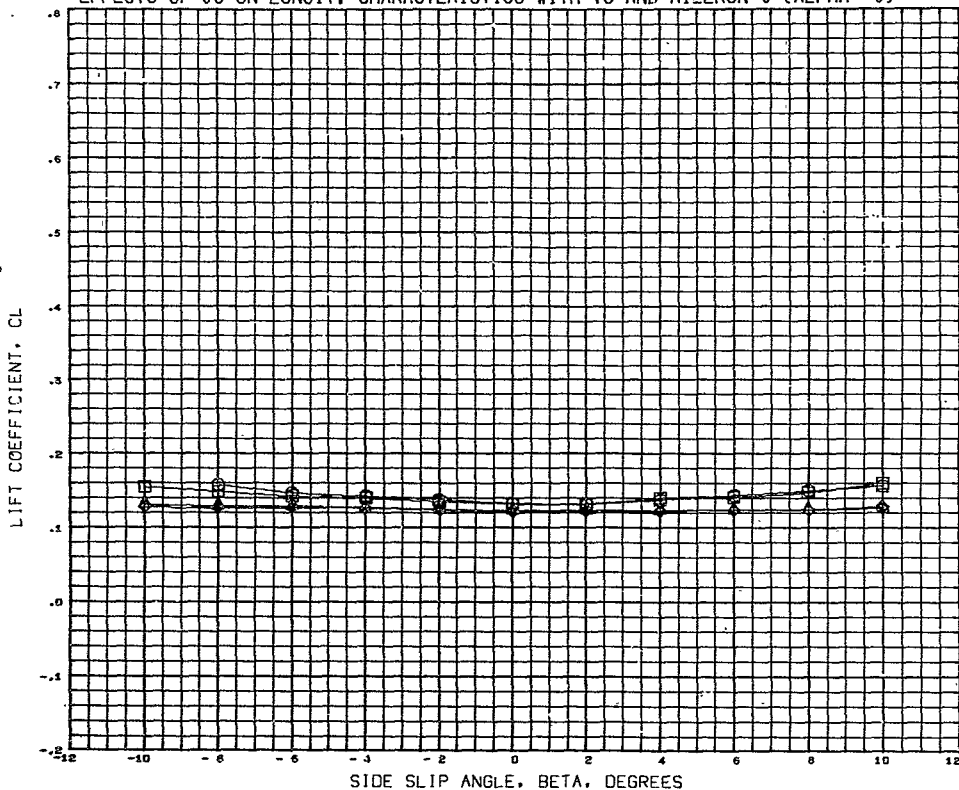
MACH 0.260

EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BC2022)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BC2080)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	LREF	6.0000 FT.
(BC2088)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5V9	0.000	0.000	0.000	10.000	BREF	5.0000 FT.
(BC2046)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	0.000	0.000	0.000	10.000	XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE
MACH 0.265							

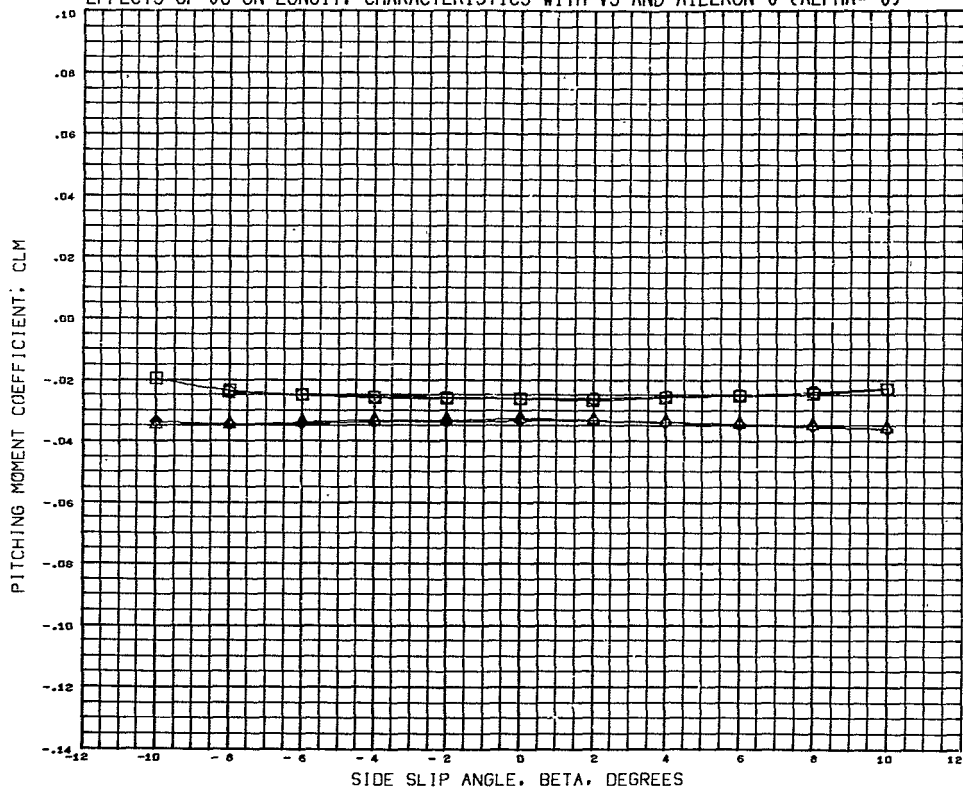
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILERON	RUDDER	REFERENCE INFORMATION
(ACZ022)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(ACZ080)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	LREF 6.0000 FT.
(ACZ088)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	10.000	BREF 6.0000 FT.
(ACZ046)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	10.000	XMRP 0.6575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

NACH 0.260

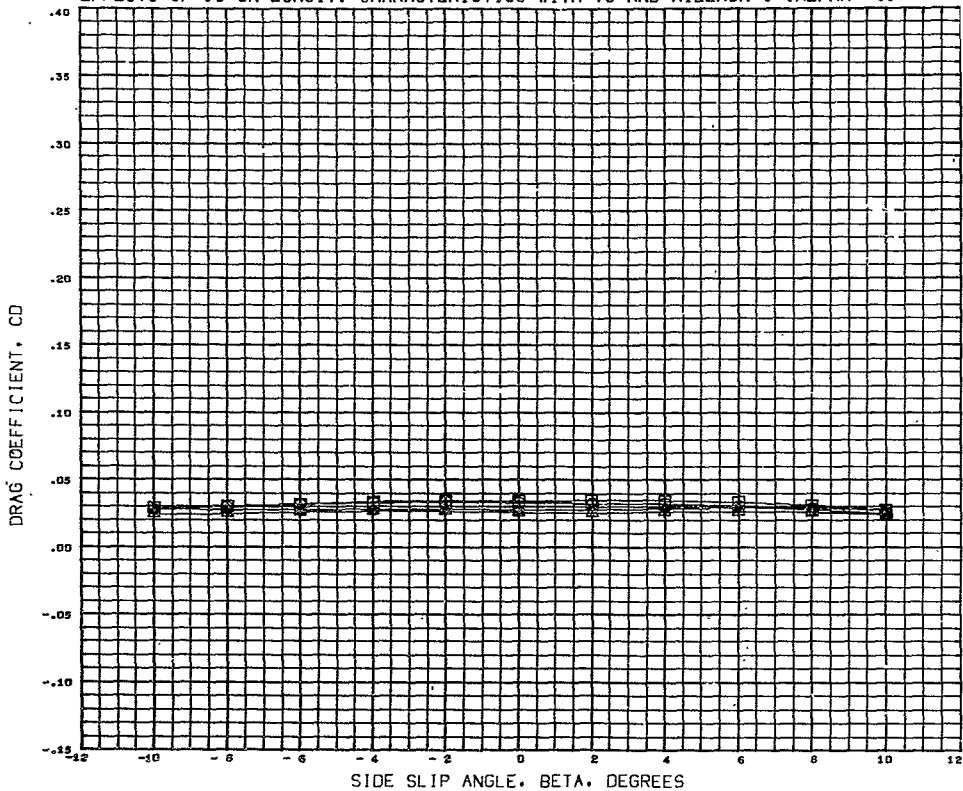
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ022)	NCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(ACZ060)	NCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	LREF 6.0000 FT.
(ACZ088)	NCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5V9	0.000	0.000	0.000	10.000	RREF 5.0020 FT.
(ACZ046)	NCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	0.000	0.000	0.000	10.000	XNRP 0.8575 REFL
						YNRP 0.0000 FT.
						ZNRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

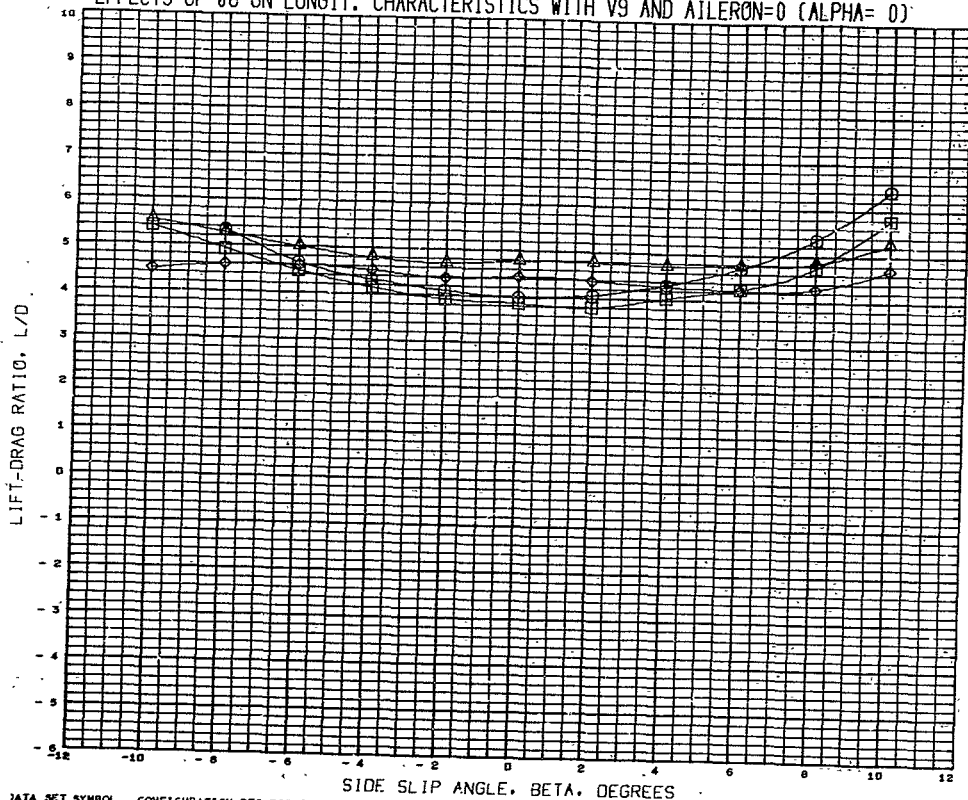
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(AC2022)	Q HCAIR LSMT 258 3.0PCT HDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(AC2060)	X HCAIR LSMT 258 3.0PCT HDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	LREF 6.0000 FT.
(AC2068)	X HCAIR LSMT 258 3.0PCT HDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	10.000	BREF 6.0000 FT.
(AC2066)	Q HCAIR LSMT 258 3.0PCT HDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	10.000	ZMRP 0.0000 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.200

EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
AC2022	NCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	0.000	SREF 9.0000 Sq. FT
AC2080	NCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	LREF 6.0000 FT.
AC2088	NCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	10.000	BREF 6.0000 FT.
AC2046	NCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	0.000	10.000	XMRP 0.6375 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

NOTE

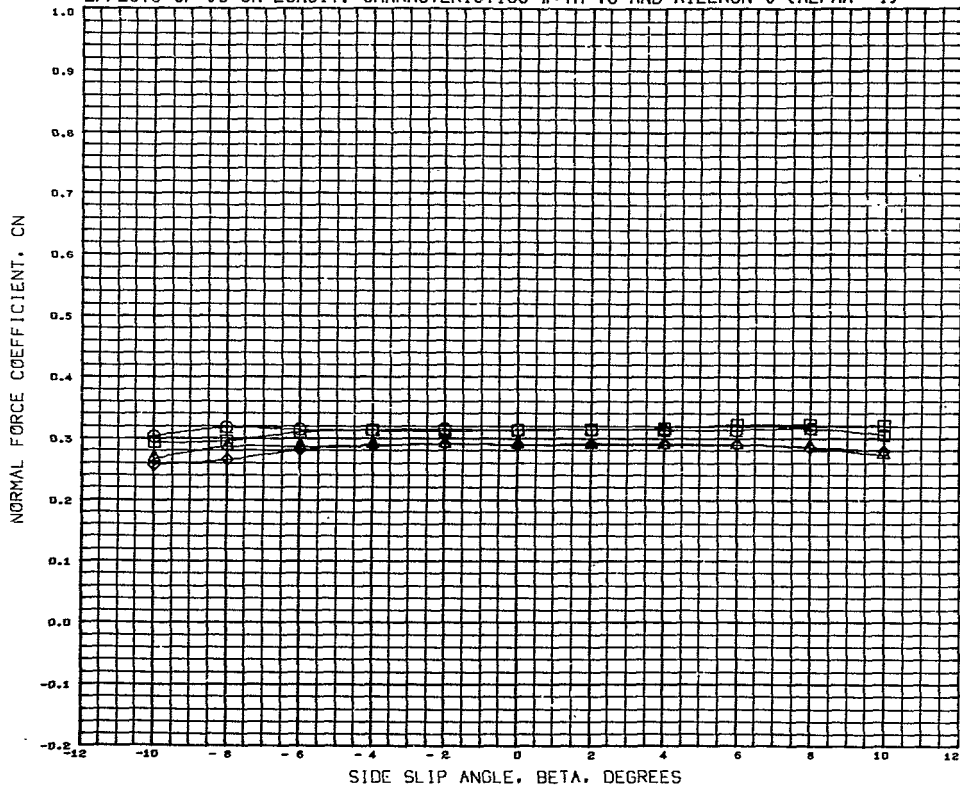
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D.26D

10

EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 4)

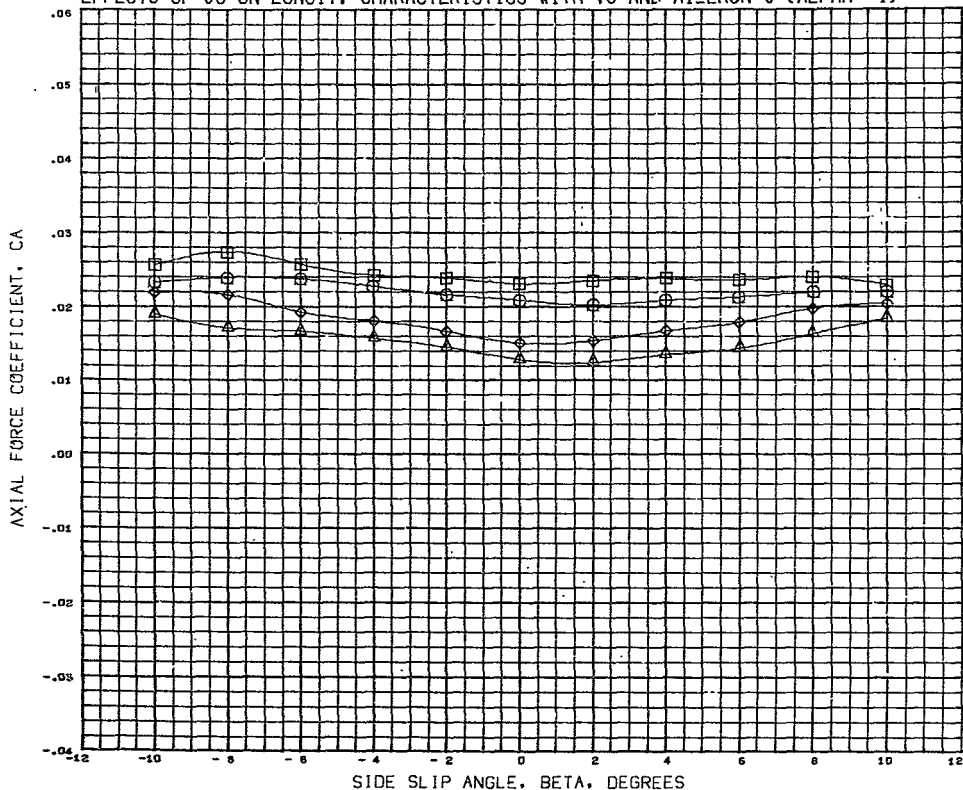


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ023)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ081)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	0.000	LREF 5.0000 FT.
(BCZ098)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	10.000	BREF 6.0000 FT.
(BCZ047)	MCALR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	10.000	YMRP 0.8575 REFL
						ZMRP 0.0000 FT.
						SCALE 0.0100 REFL
						SCALE 0.0300 SCALE

MACH

0.260

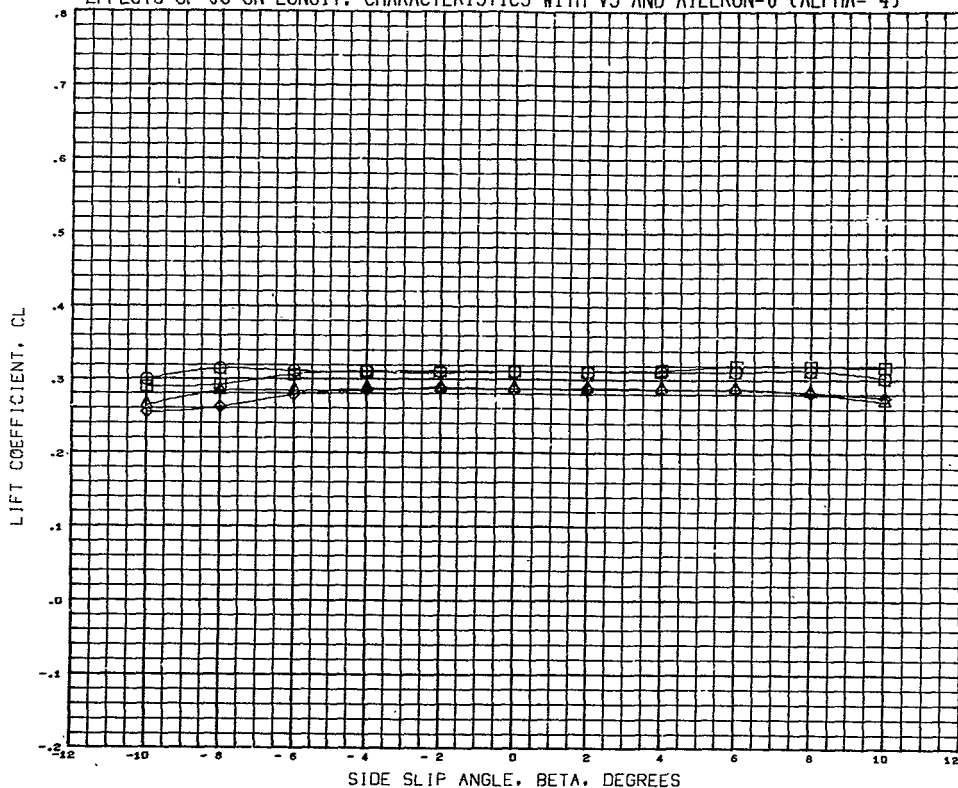
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BC2083)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BC2081)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	0.000	LREF	6.0000 FT.
(BC2089)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	10.000	BREF	6.0000 FT.
(BC2047)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	10.000	XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0000 REFL
						SCALE	0.0300 SCALE

MACH 0.260

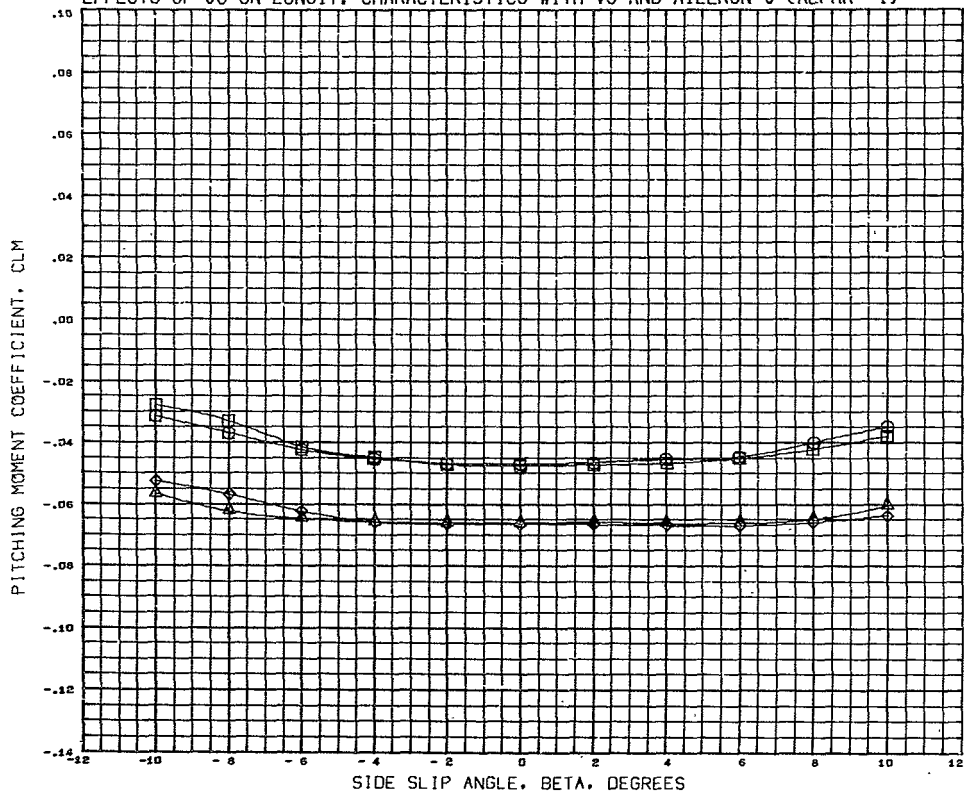
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 4)



ATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(CZ023)	MCALR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(CZ081)	MCALR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	0.000	LREF 6.0000 FT.
(CZ099)	MCALR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	10.000	BREF 6.0000 FT.
(CZ047)	MCALR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	10.000	XMRP 0.8575 REFL.
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL.
						SCALE 0.0300 SCALE

MACH 0.360

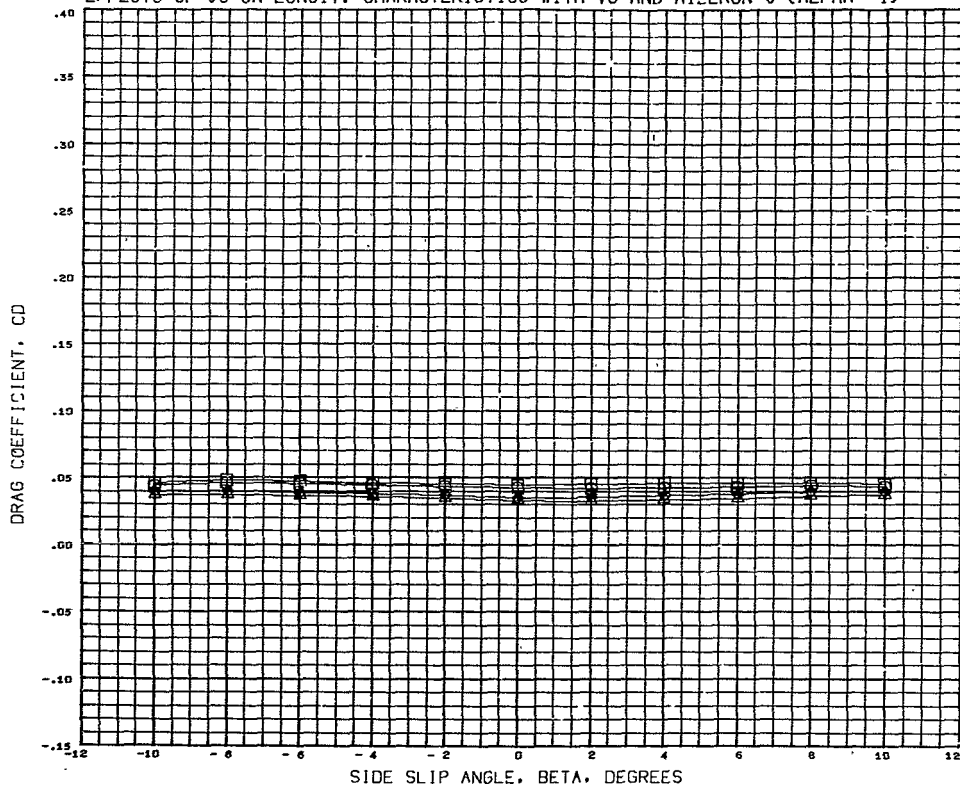
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(AC2023)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W3J6V9	4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(AC2001)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W3V9	4.000	0.000	0.000	0.000	LREF 6.0000 FT.
(AC2089)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W3V9	4.000	0.000	0.000	10.000	BREF 6.0000 FT.
(AC2047)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W3J6V9	4.000	0.000	0.000	10.000	XHRP 0.8515 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

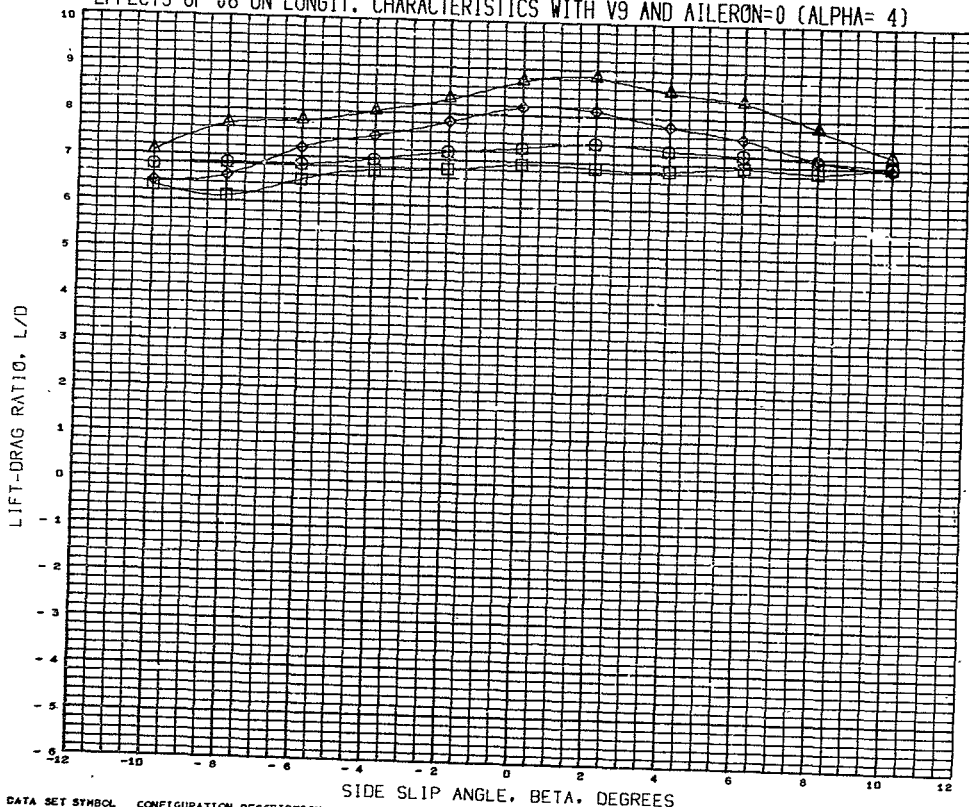
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ023)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(ACZ061)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	0.000	LREF	6.0000 FT.
(ACZ089)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	10.000	BREF	6.0000 FT.
(ACZ047)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	10.000	XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

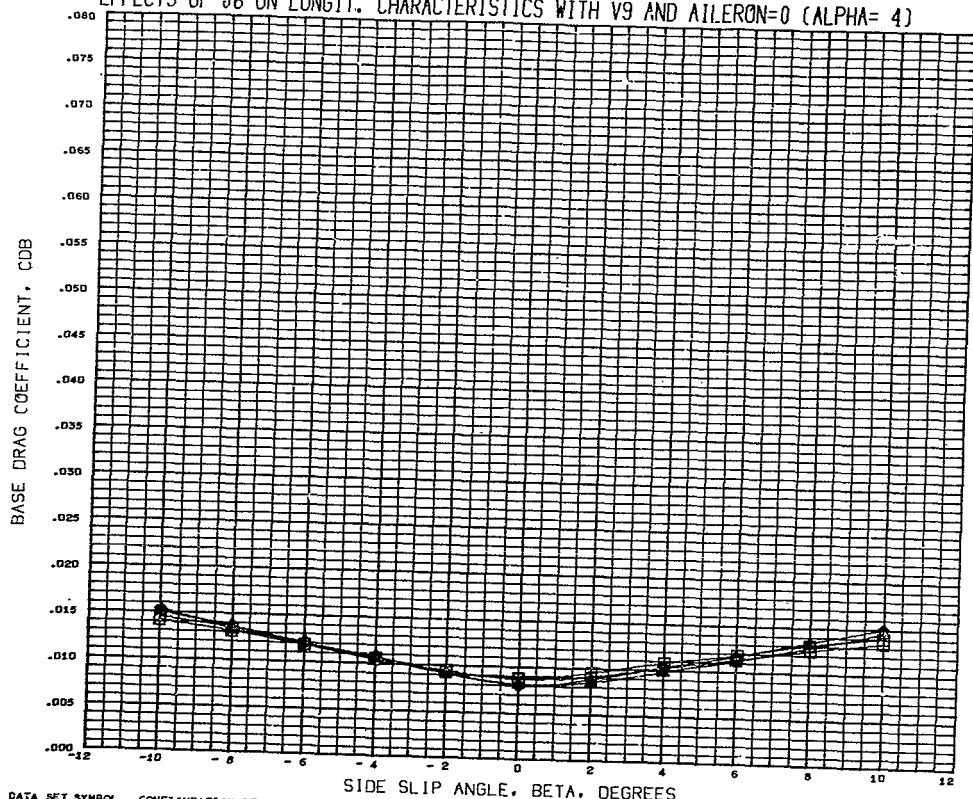
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ023)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(ACZ001)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	0.000	LREF 6.0000 FT.
(ACZ009)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	10.000	BREF 0.0670 FT.
(ACZ047)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	0.000	10.000	XMRP 0.8578 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

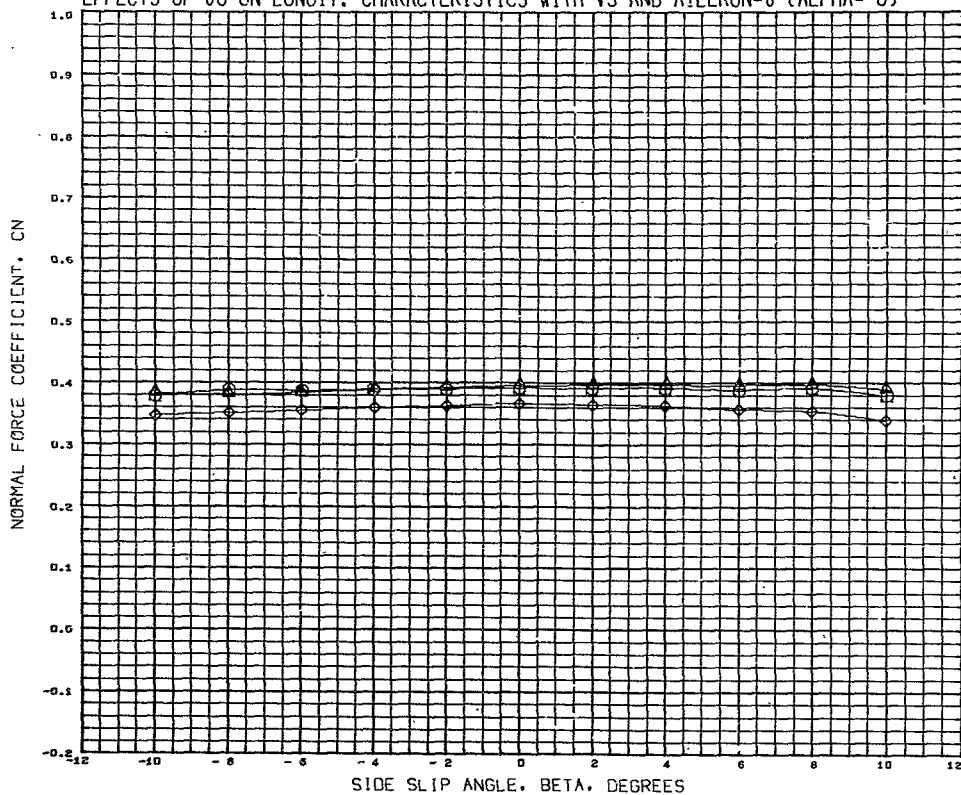
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ023)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(ACZ061)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5V9	4.000	0.000	0.000	0.000	LREF 6.0000 FT.
(ACZ069)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5V9	4.000	0.000	0.000	10.000	BREF 6.0000 FT.
(ACZ047)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	4.000	0.000	0.000	10.000	XMRP 0.6575 REFL
						YMRP 0.0600 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

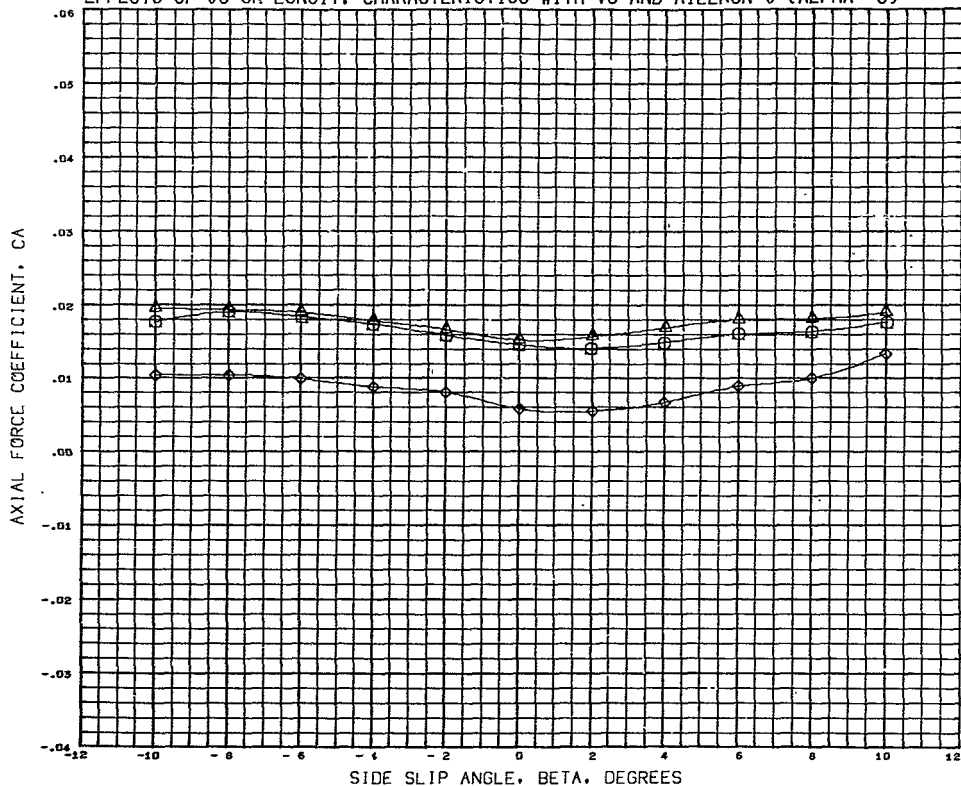
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 6)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ024)	MCAR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11WJ6V9	6.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ048)	MCAR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11WJ6V9	6.000	0.000	0.000	10.000	LREF 6.0000 FT.
(BCZ082)	MCAR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11WJ6V9	6.000	0.000	0.000	0.000	BREF 6.0000 FT.
						XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

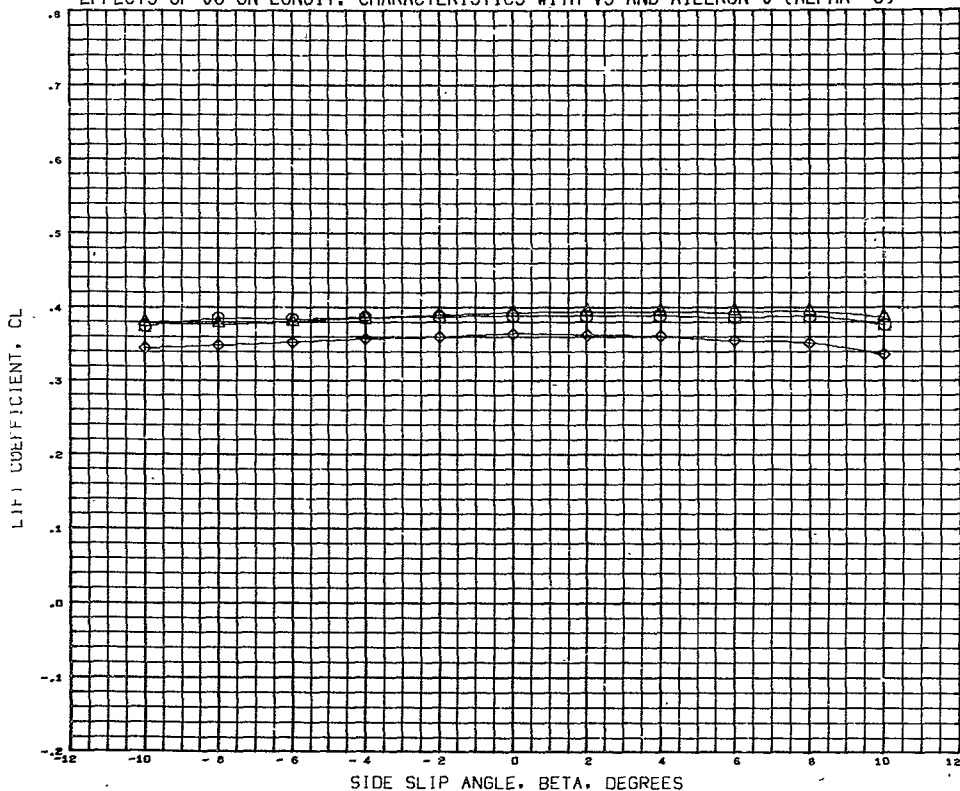
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 6)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BC2024)	○	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	6.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BC2048)	△	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	6.000	0.000	0.000	10.000	LREF	6.0000 FT.
(BC2062)	◇	MCAIR LSWT 258 3.0PCT YDAC/HMC BOOST B3N11W5V9	6.000	0.000	0.000	0.000	BREF	6.0000 FT.
							XMRP	0.8573 REFL
							YMRP	0.0000 FT.
							ZMRP	0.0100 REFL
							SCALE	0.0300 SCALE

MACH 0.260

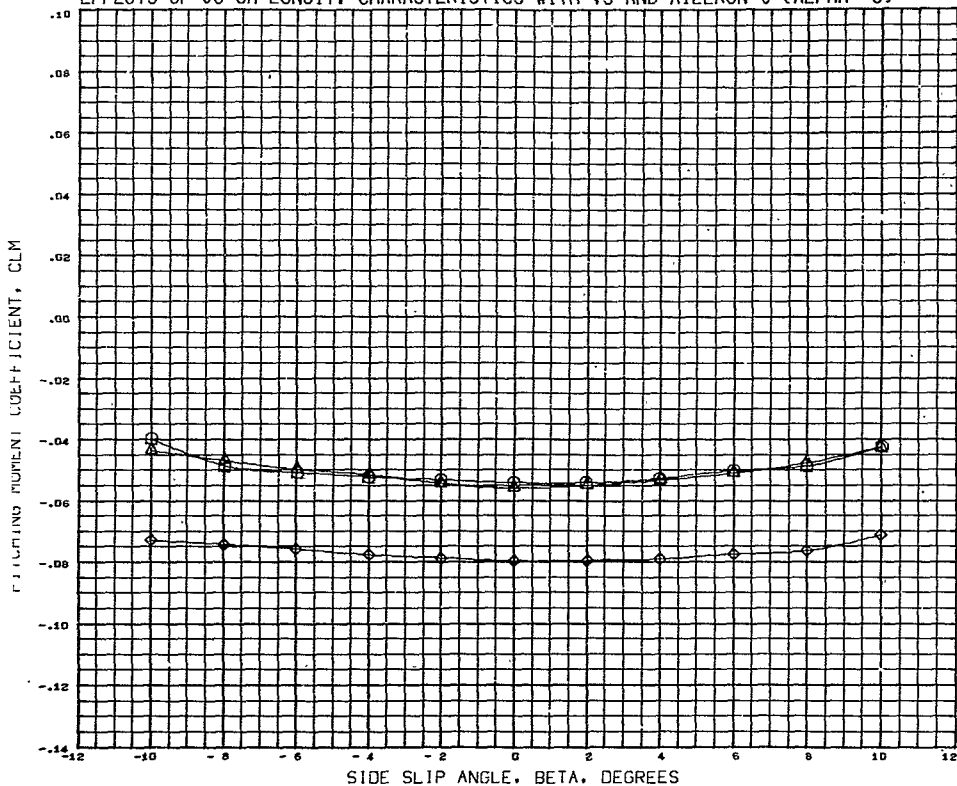
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 6)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZD24)	MCAR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	6.000	0.000	0.000	0.000	SREF	0.0000 SQ. FT
(ACZD48)	MCAR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	6.000	0.000	0.000	10.000	LREF	6.0000 FT.
(ACZD62)	MCAR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5V9	6.000	0.000	0.000	0.000	BREF	6.0000 FT.
						XRRP	0.3575 REFL
						YHRP	0.0000 FT.
						ZHRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

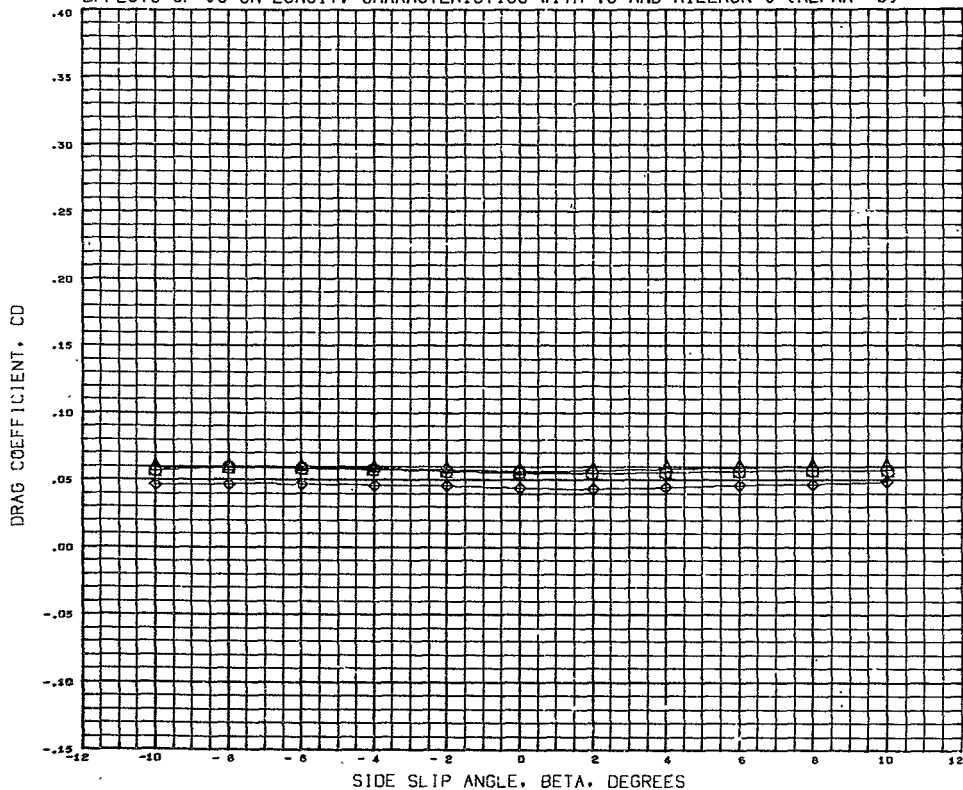
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 6)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
ACZ024	MCAR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	6.000	0.000	0.000	0.000	SREF	-9.0000 SQ. FT
ACZ040	MCAR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	6.000	0.000	0.000	10.000	LREF	6.0000 FT.
ACZ082	MCAR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5V9	6.000	0.000	0.000	0.000	SREF	6.0000 FT.
						XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.250

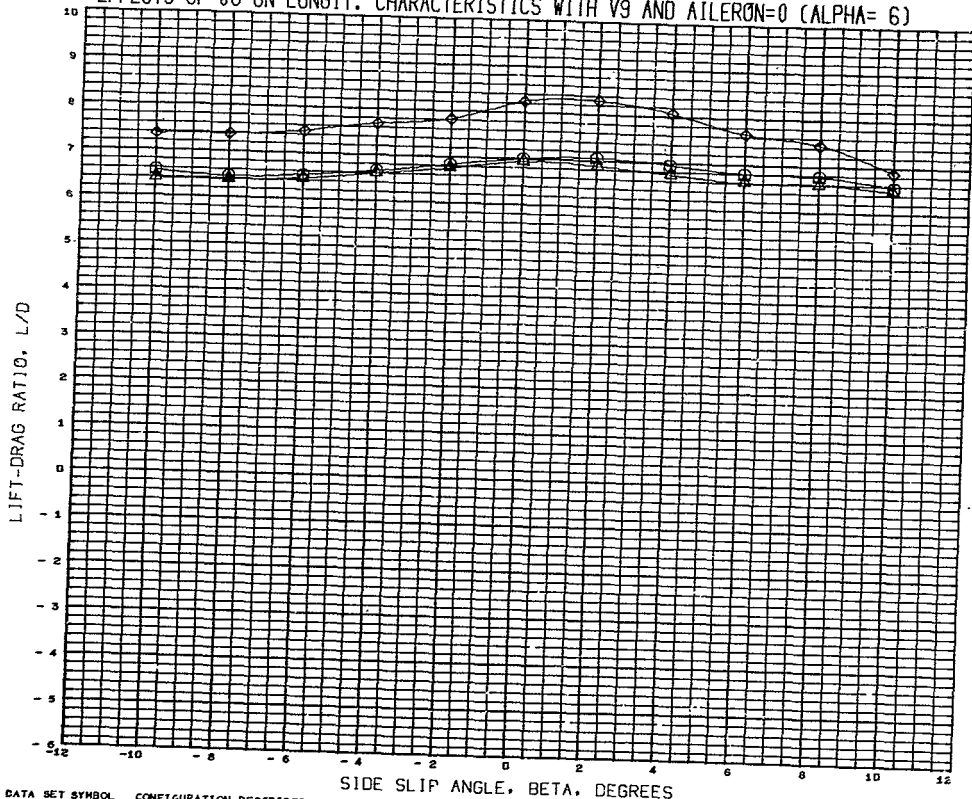
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 6)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ025)	NCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(ACZ048)	NCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	0.000	10.000	LREF 6.0000 FT.
(ACZ082)	NCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	6.000	0.000	0.000	0.000	RREF 8.0500 FT.
						XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 6)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ024) MCAIR LSWT 258 3.0PCT MDAC/NHC BOOST B3N11W5J6V9
 (ACZ048) MCAIR LSWT 258 3.0PCT MDAC/NHC BOOST B3N11W5J6V9
 (ACZ082) MCAIR LSWT 258 3.0PCT MDAC/NHC BOOST B3N11W5V9

SIDE SLIP ANGLE, BETA, DEGREES

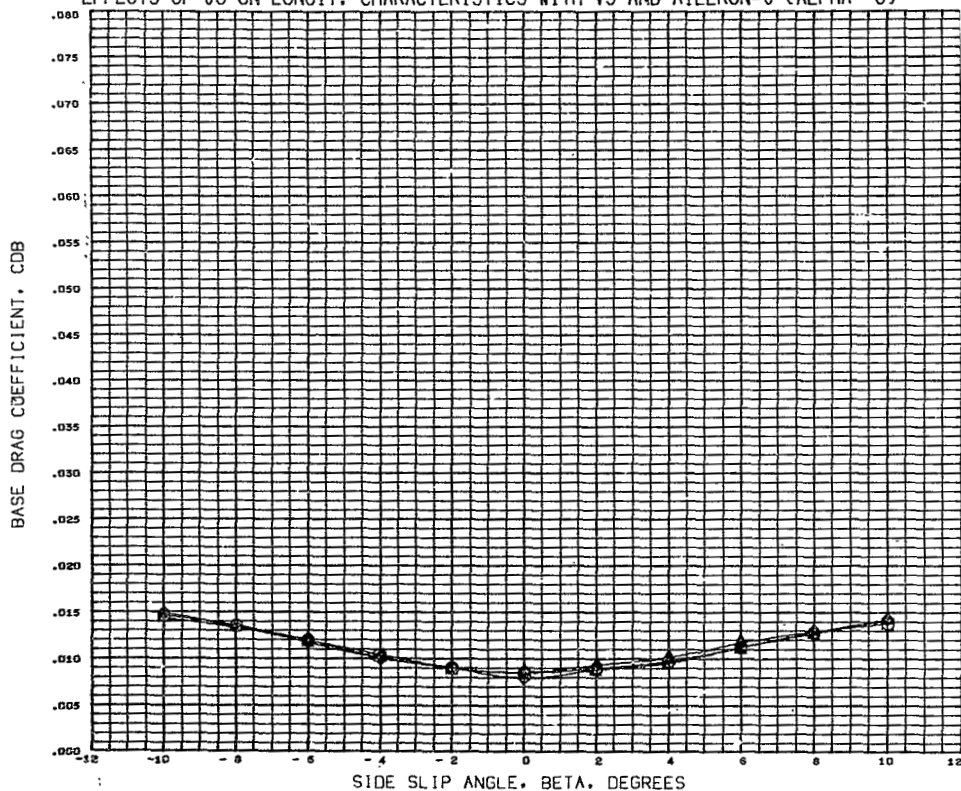
ALPHA	ELEVON	AILRON	RUDDER
6.000	0.000	0.000	0.000
6.000	0.000	0.000	10.000
6.000	0.000	0.000	0.000

REFERENCE INFORMATION

SREF	9.0000	SQ. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
XMRP	0.8575	REFL.
YMRP	0.0000	FT.
ZMRP	0.0100	REFL.
SCALE	0.0300	SCALE

MACH 0.260

EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 6)



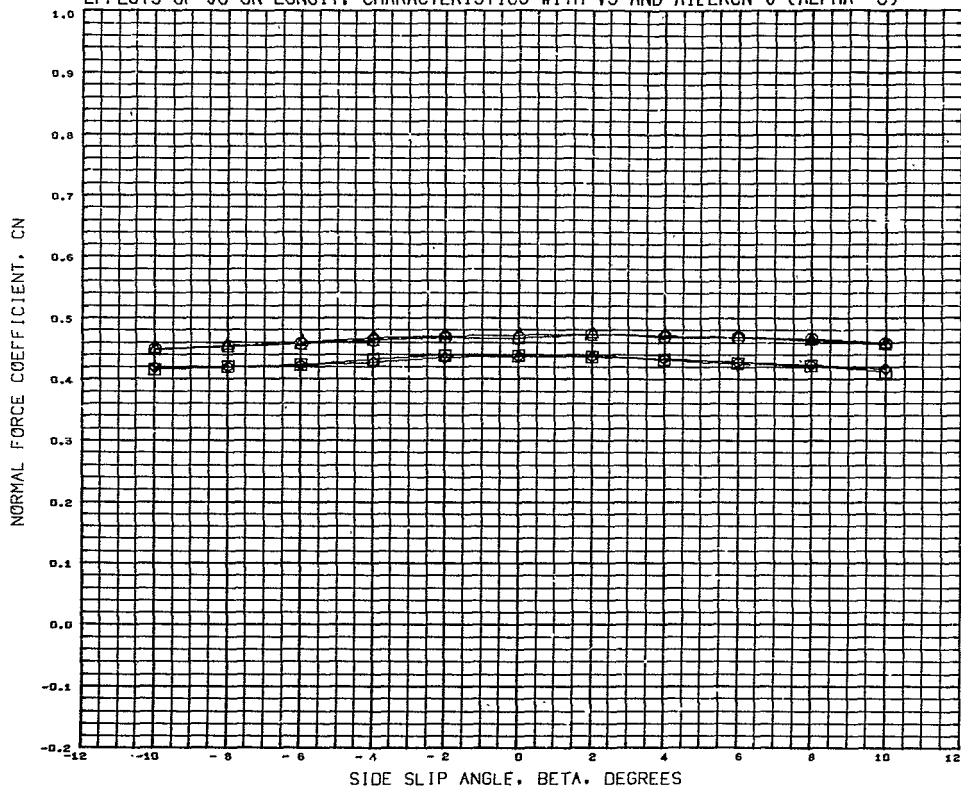
DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ024) $\square$ NCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (ACZ048) $\triangle$ NCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (ACZ082) $\diamond$ NCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION
6.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
6.000	0.000	0.000	10.000	LREF	6.0000 FT.
6.000	0.000	0.000	0.000	BREF	6.0000 FT.
				XWRP	-0.0575 REFL
				YWRP	0.0000 FT.
				ZWRP	0.0100 REFL
				SCALE	0.0300 SCALE

MACH 0.260

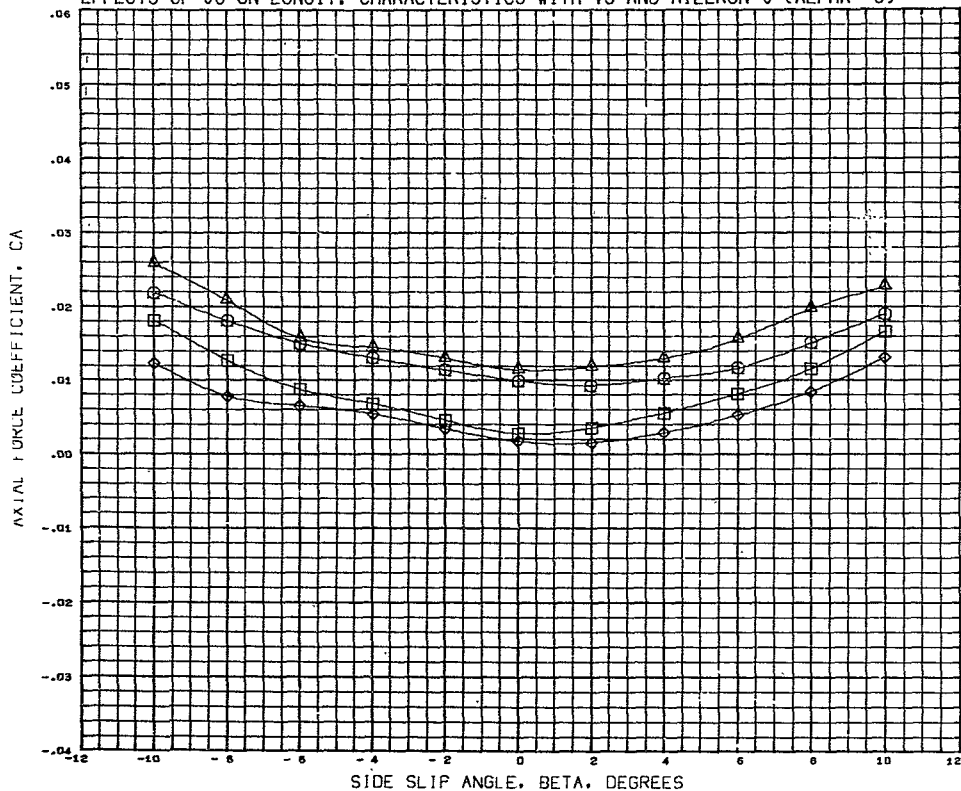
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ025)	WCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZ049)	WCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	0.000	10.000	LREF	6.0000 FT.
(BCZ083)	WCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	8.000	0.000	0.000	0.000	BREF	6.0000 FT.
(BCZ091)	WCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	8.000	0.000	0.000	10.000	YMRP	0.8375 REFL
						ZMRP	0.0000 FT.
						SCALE	0.0100 REFL
							0.0300 SCALE

MACH 0.260

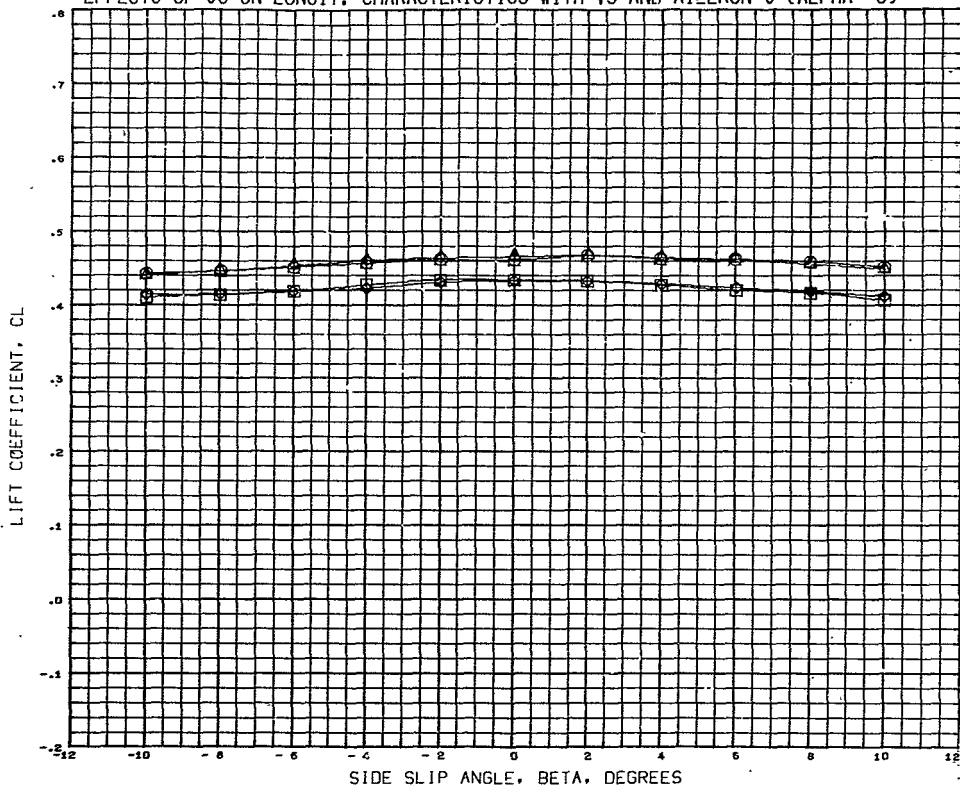
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 8)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(8CZ025)	□	NCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	0.000	0.000	SREF	9.0000 59. FT
(8CZ049)	△	NCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	0.000	10.000	LREF	6.0000 FT.
(8CZ085)	◇	NCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5V9	8.000	0.000	0.000	0.000	BREF	6.000J FT.
(8CZ091)	○	NCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5V9	8.000	0.000	0.000	10.000	XMRP	0.8575 REFL
							YMRP	0.0000 FT.
							ZMRP	0.0100 REFL
							SCALE	0.0300 SCALE

MACH 0.250

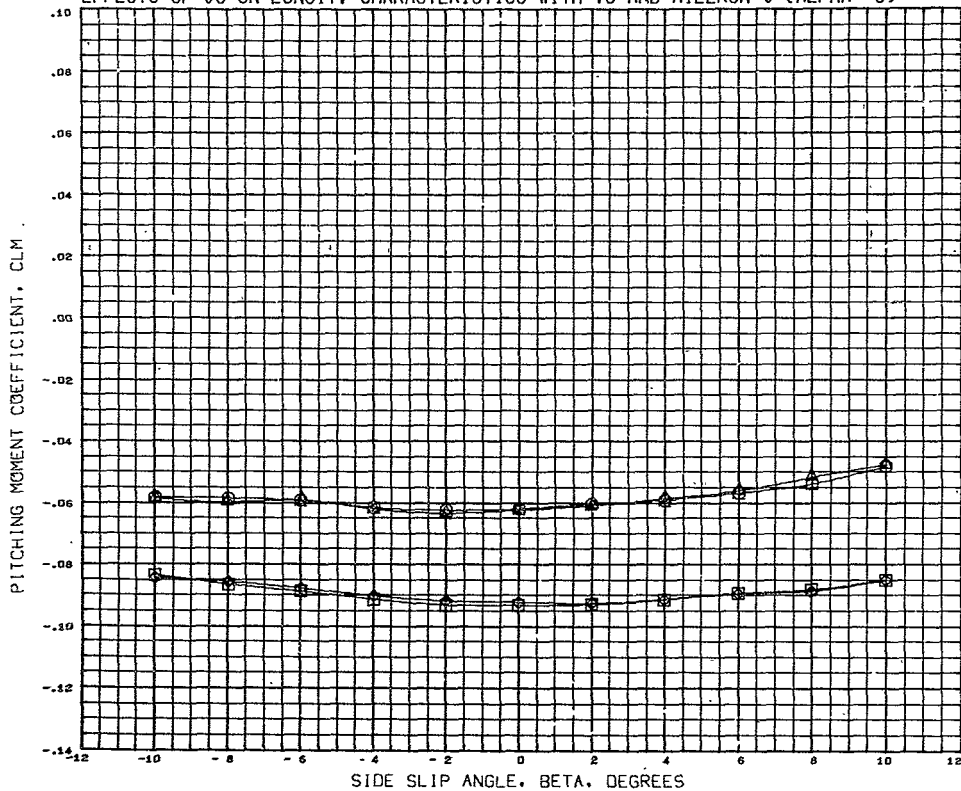
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ025)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(ACZ049)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	0.000	10.000	LREF	6.0000 FT.
(ACZ063)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	8.000	0.000	0.000	0.000	BREF	6.0000 FT.
(ACZ091)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	8.000	0.000	0.000	10.000	WWRP	0.8575 REFL
						YWRP	0.0000 FT.
						ZWRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

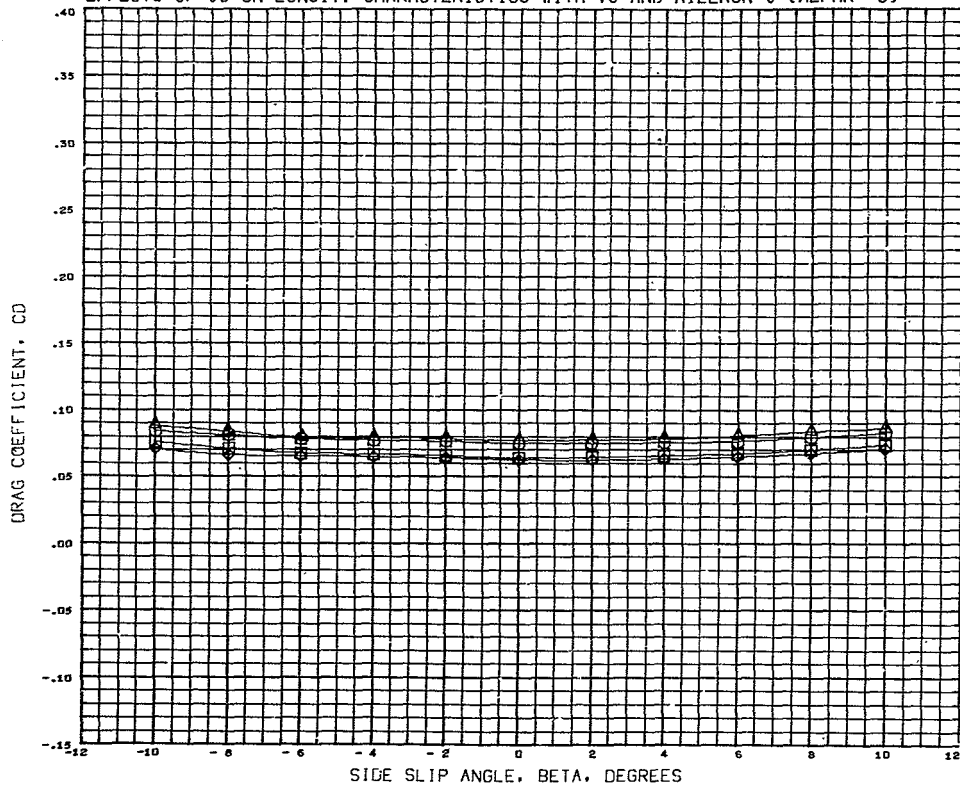
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILERON	RUDDER	REFERENCE INFORMATION	
(ACZ025)	MCAR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	8.000	0.000	0.000	0.000	BREF	9.0000 SQ. FT
(ACZ049)	MCAR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	8.000	0.000	0.000	10.000	LREF	6.0000 FT.
(ACZ083)	MCAR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5V9	8.000	0.000	0.000	0.000	BREF	6.0000 FT.
(ACZ091)	MCAR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5V9	8.000	0.000	0.000	10.000	XHRP	0.8375 REFL
						YHRP	0.0000 FT.
						ZHRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

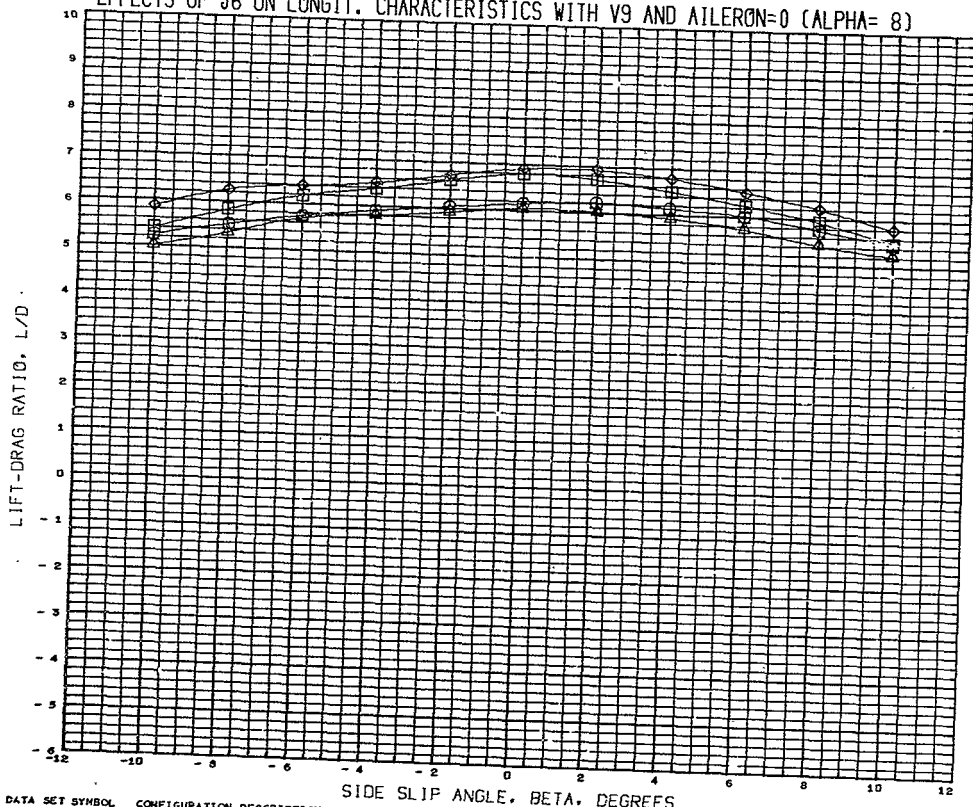
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ025)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(ACZ049)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	0.000	10.000	LREF	6.0000 FT.
(ACZ083)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	8.000	0.000	0.000	0.000	BREF	6.0000 FT.
(ACZ091)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	8.000	0.000	0.000	10.000	YMRP	0.8576 REFL
						ZMRP	0.0000 FT.
						SCALE	0.0100 REFL
							0.0300 SCALE

MACH 0.260

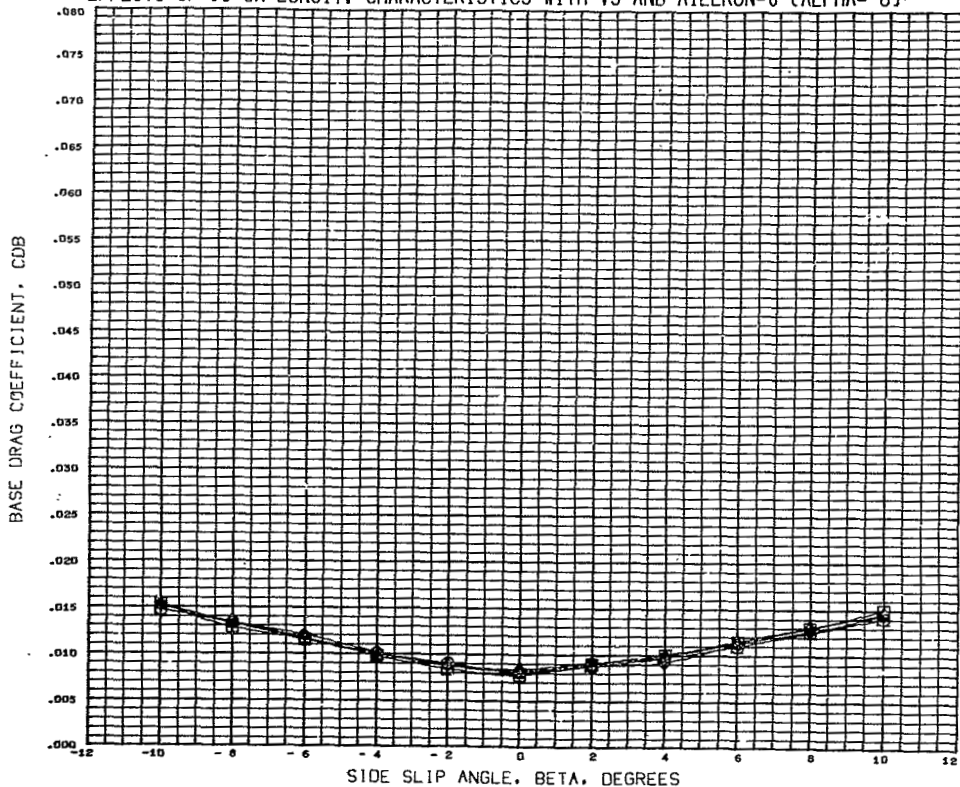
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ025)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	0.000	0.000	SREF 9.0000 SG, FT
(ACZ049)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	0.000	10.000	LREF 6.0000 FT.
(ACZ063)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5V9	8.000	0.000	0.000	0.000	BREF 4.0000 FT.
(ACZ091)	MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5V9	8.000	0.000	0.000	10.000	YMRP 0.6575 REFL
						ZMRP 0.0000 FT.
						SCALE 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.26G

EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=0 (ALPHA= 8).



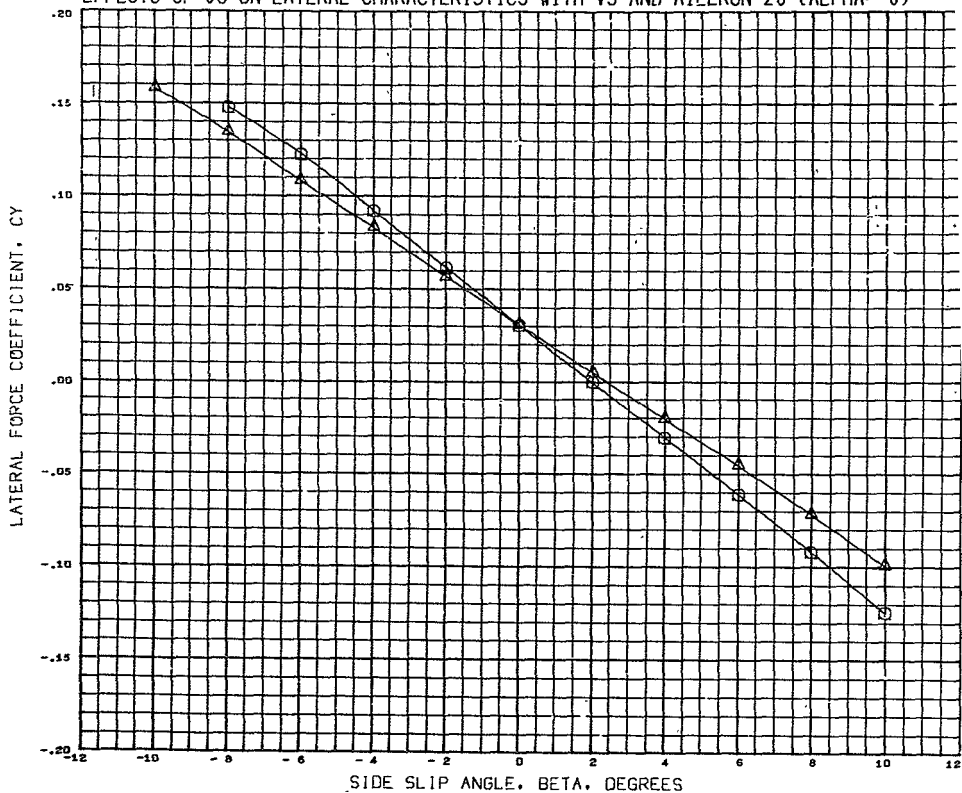
DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AC2025) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (AC2049) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (AC2083) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9
 (AC2091) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
8.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
8.000	0.000	0.000	10.000	LREF 6.0000 FT.
8.000	0.000	0.000	0.000	BREF 6.0000 FT.
8.000	0.000	0.000	10.000	YMRP 0.0375 REFL
				ZMRP 0.0000 FT.
				SCALE 0.0100 REFL
				SCALE 0.0300 SCALE

MACH 0.250

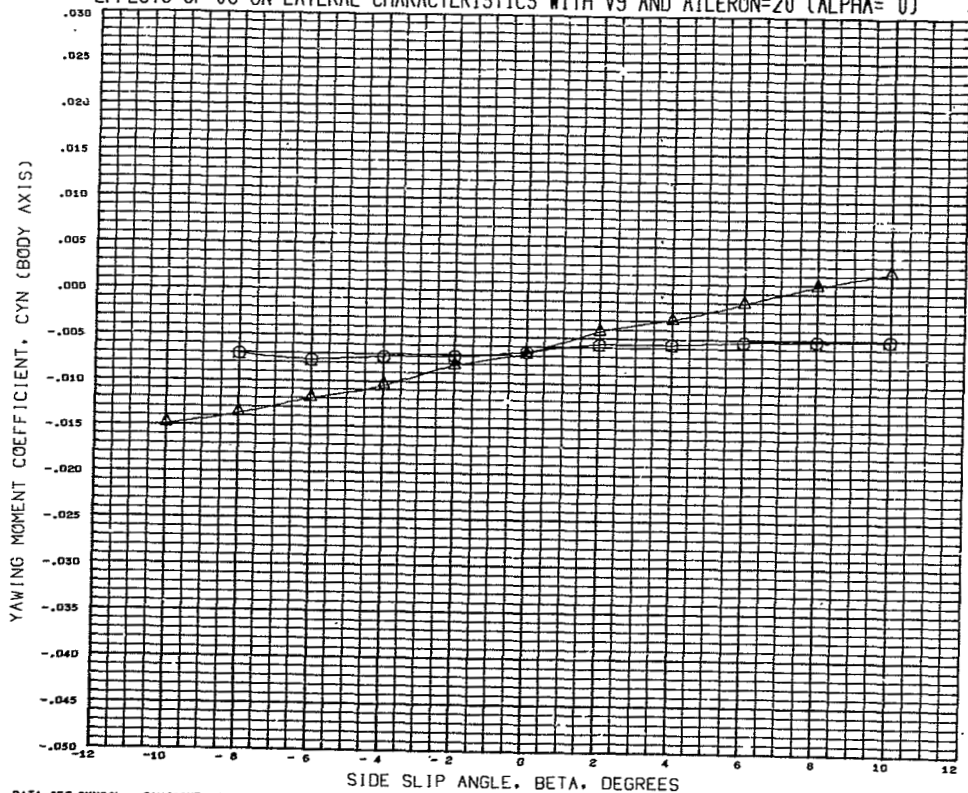
EFFECTS OF J6 ON LATERAL CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ028)	MCAR LSWT 258 3.0PCT MDAC/HMC BOOST 83N11W5J6V9	0.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
(BCZ064)	MCAR LSWT 258 3.0PCT MDAC/HMC BOOST 83N11W5V9	0.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	6.0000 FT.
						XMRP	0.8375 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

EFFECTS OF J6 ON LATERAL CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 0)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

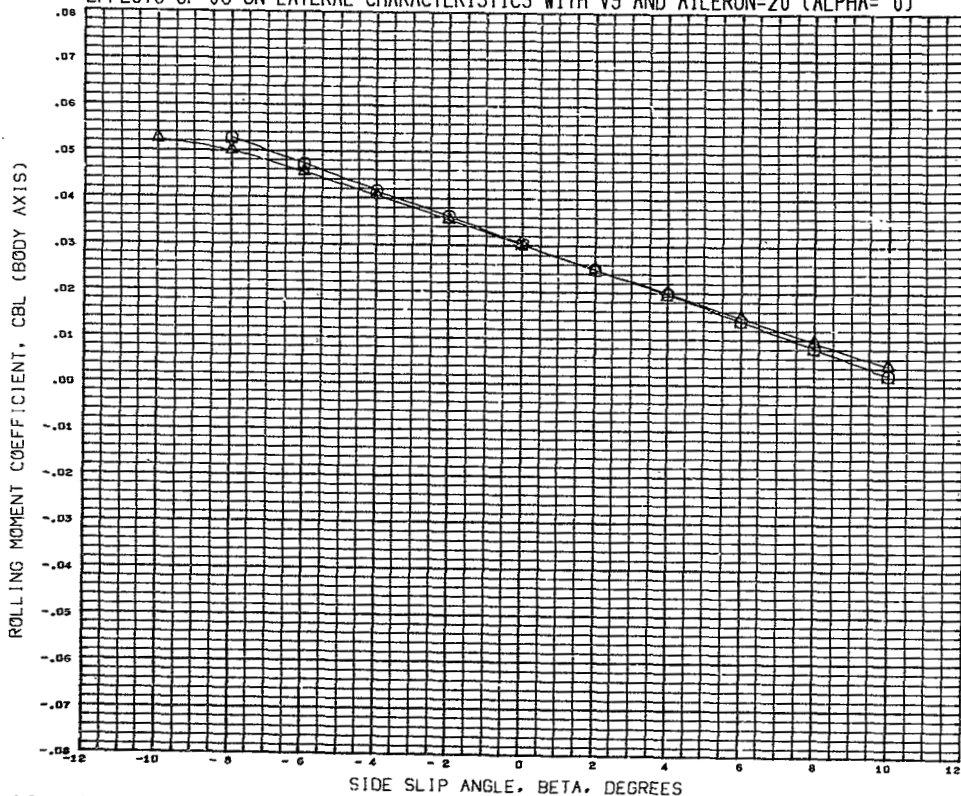
(BCZ020) MCAIR LSMT 250 3.0PCT MDAC/MNC BOOST B3N11W5J6V9
 (BCZ004) MCAIR LSMT 250 3.0PCT MDAC/MNC BOOST B3N11W5V9

ALPHA	ELEVON	AILRON	RUDDER
0.000	0.000	20.000	0.000
0.000	0.000	20.000	0.000

REFERENCE INFORMATION	
SREF	9.0000 SQ. FT
LREF	6.0000 FT.
BREF	6.0000 FT.
XMRP	0.8575 REFL
YMRP	0.0000 FT.
ZMRP	0.0100 REFL
SCALE	0.0300 SCALE

MACH 0.260

EFFECTS OF J6 ON LATERAL CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 0)



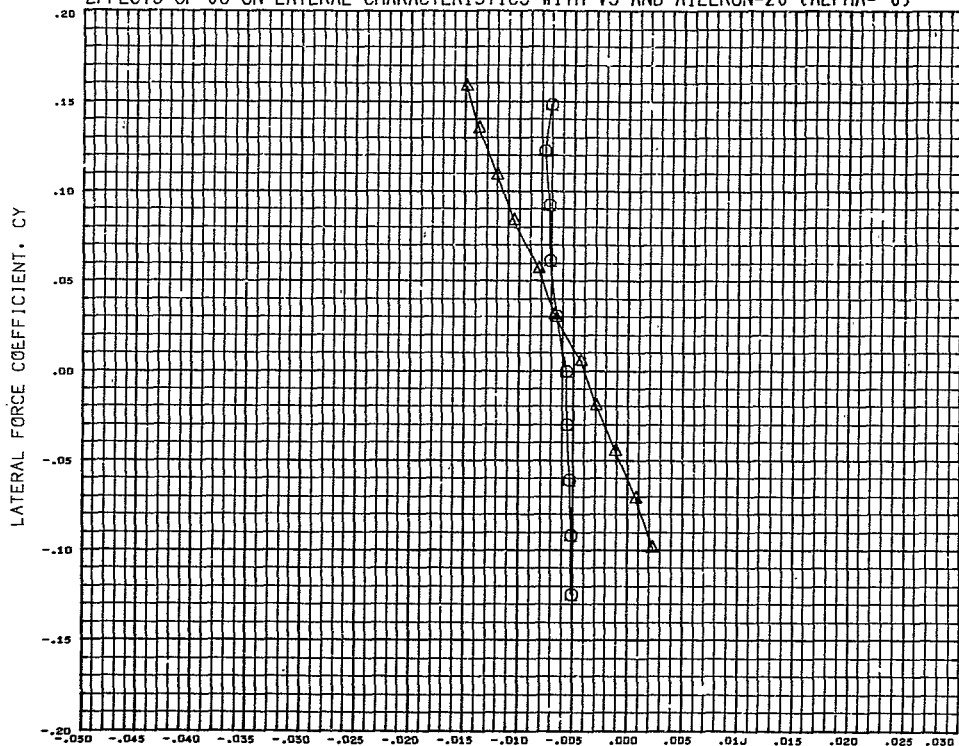
DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BCZ026) Q MCAIR LSWT 250 3.0PCT MDAC/MNC BOOST B3N11W5J6V9
(BCZ084) MCAIR LSWT 250 3.0PCT MDAC/MNC BOOST B3N11W5V9

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	20.000	0.000	SREF 9.0000 SQ. FT
0.000	0.000	20.000	0.000	LREF 6.0000 FT.
				BREF 6.0000 FT.
				XMRP 0.6575 REFL
				YMRP 0.0000 FT.
				ZMRP 0.0100 REFL
				SCALE 0.0300 SCALE

MACH 0.260

EFFECTS OF J6 ON LATERAL CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 0)

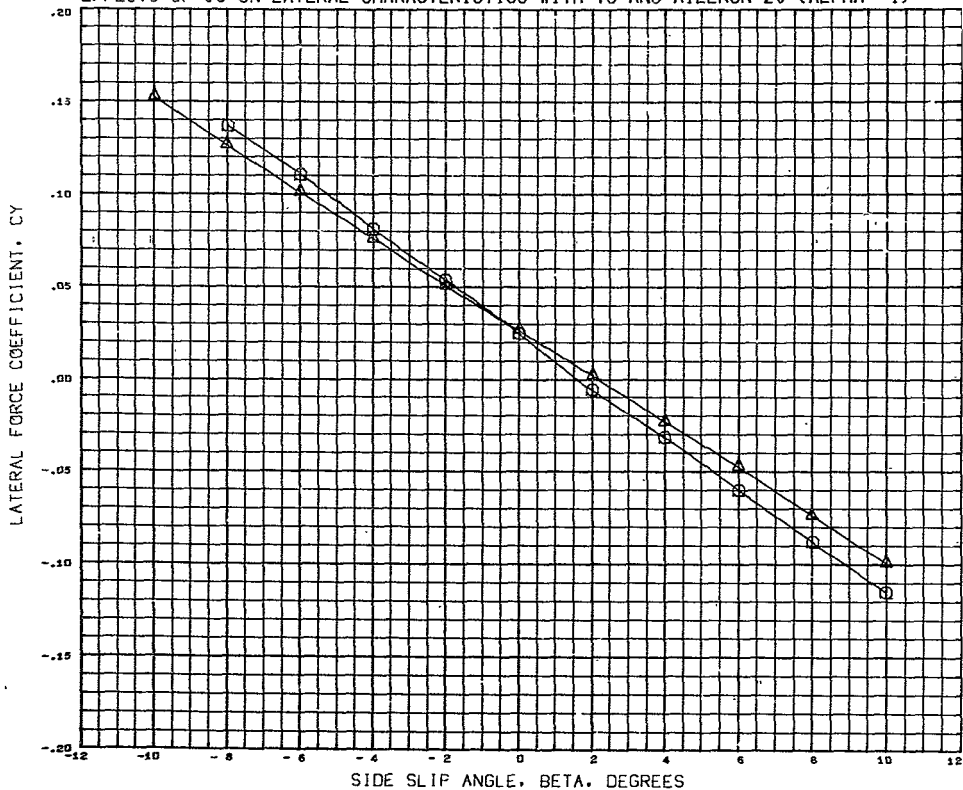


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ028)	MCAR LSMT 258 3.0PCT MDAC/MHC BOOST B3N1W5J6V9	0.000	0.000	20.000	0.000	SREF 9.0000 SQ. FT
(BCZ084)	MCAR LSMT 258 3.0PCT MDAC/MHC BOOST B3N1W5V9	0.000	0.000	20.000	0.000	LREF 6.0000 FT.
						BPEF 6.0000 FT.
						XMRP 0.8175 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

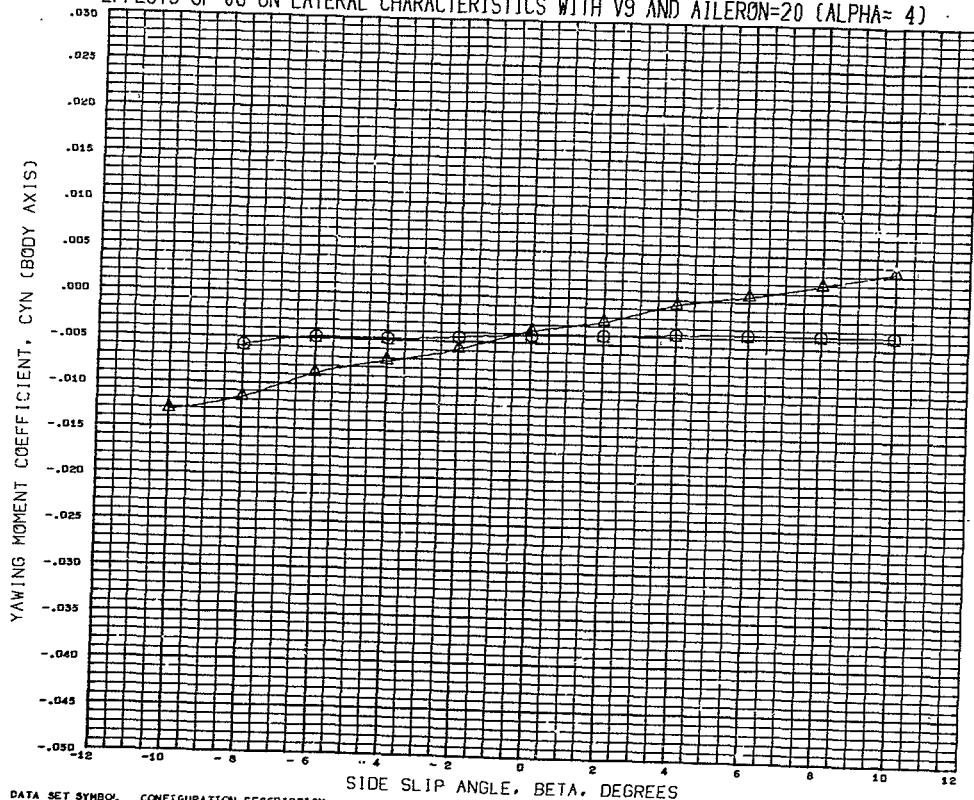
EFFECTS OF J6 ON LATERAL CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ029)	MCALR LSMT 250 3.0PCT HDAC/MHC BOOST B3N11WSJ6V9	4.000	0.000	20.000	0.000	SREF 9.0000 SQ. FT
(BCZ085)	MCALR LSMT 250 3.0PCT HDAC/MHC BOOST B3N11WSV9	4.000	0.000	20.000	0.000	LREF 6.0000 FT.
						BREF 4.0000 FT.
						XWRP 0.8575 REFL
						YWRP 0.0000 FT.
						ZWRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

EFFECTS OF J6 ON LATERAL CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 4)



DATA SET SYMBOL. CONFIGURATION DESCRIPTION

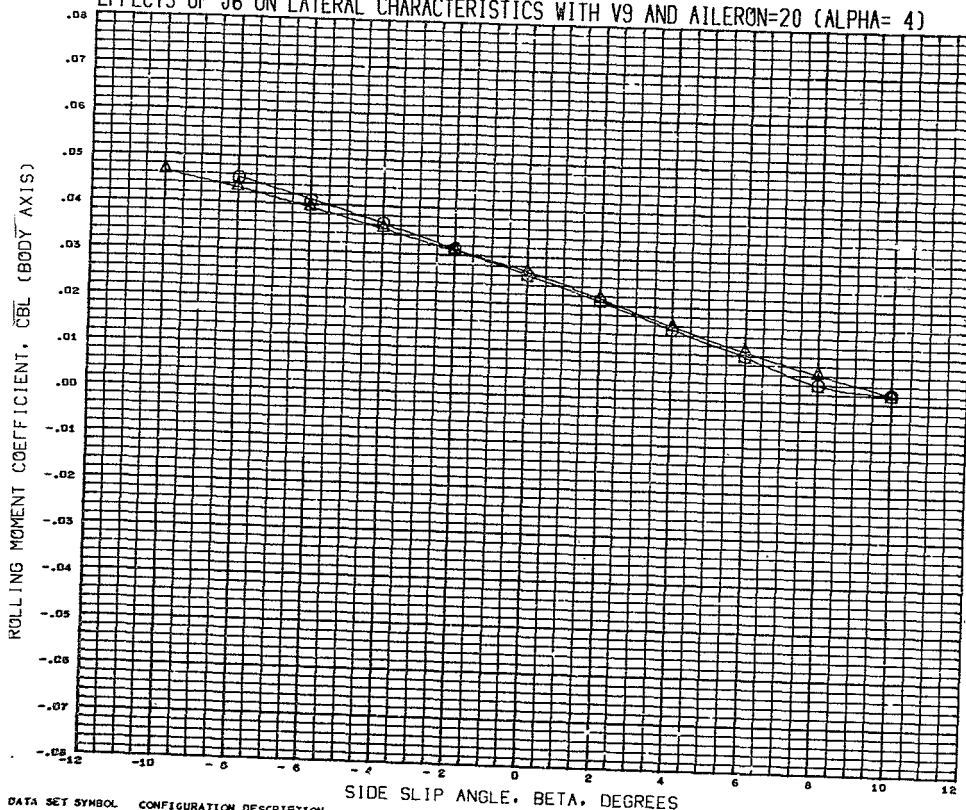
(BCZ029) Δ MCAIR LSMT 250 3.0PCT MDAC/HMC BOOST B3N11W5J6V9
 (BCZ082) Δ MCAIR LSMT 250 3.0PCT MDAC/HMC BOOST B3N11W5V9

ALPHA	ELEVON	AILRON	RUDDER
4.000	0.000	20.000	0.000
4.000	0.000	20.000	0.000

REFERENCE INFORMATION	
SREF	9.0000 SQ. FT
LREF	6.0000 FT.
BREF	6.0000 FT.
XMRP	0.6575 REFL
YMRP	0.0000 FT.
ZMRP	0.0100 REFL
SCALE	0.0300 SCALE

MACH 0.260

EFFECTS OF J6 ON LATERAL CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 4)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BCZ029) $\odot$ MCAIR LSMT 250 3.0PCT NDAC/MHC BOOST B3N11W5J6V9
 (BCZ085) Δ MCAIR LSMT 250 3.0PCT NDAC/MHC BOOST B3N11W5V9

ALPHA
 4.000
 4.000

ELEVON
 0.000
 0.000

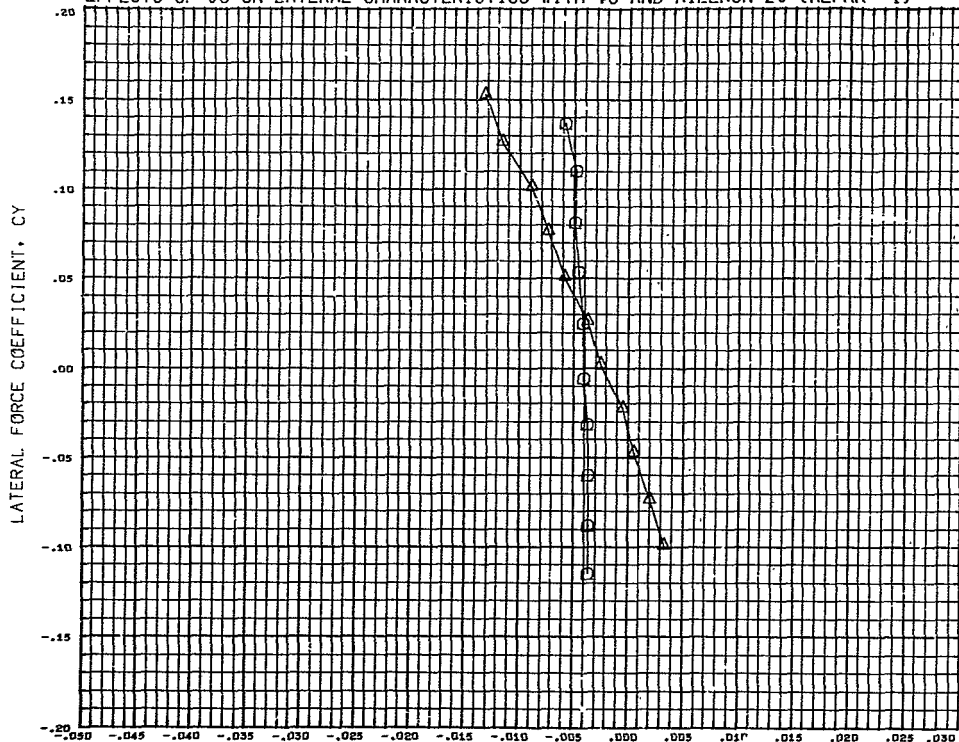
AILERON
 20.000
 20.000

RUDDER
 0.000
 0.000

REFERENCE INFORMATION
 SREF 9.0000 SQ. FT
 LREF 6.0000 FT.
 SREF 6.0000 FT.
 XMRP 0.8375 REFL
 YMRP 0.0000 FT.
 ZMRP 0.0100 REFL
 SCALE 0.0300 SCALE

MACH 0.260

EFFECTS OF J6 ON LATERAL CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 4)

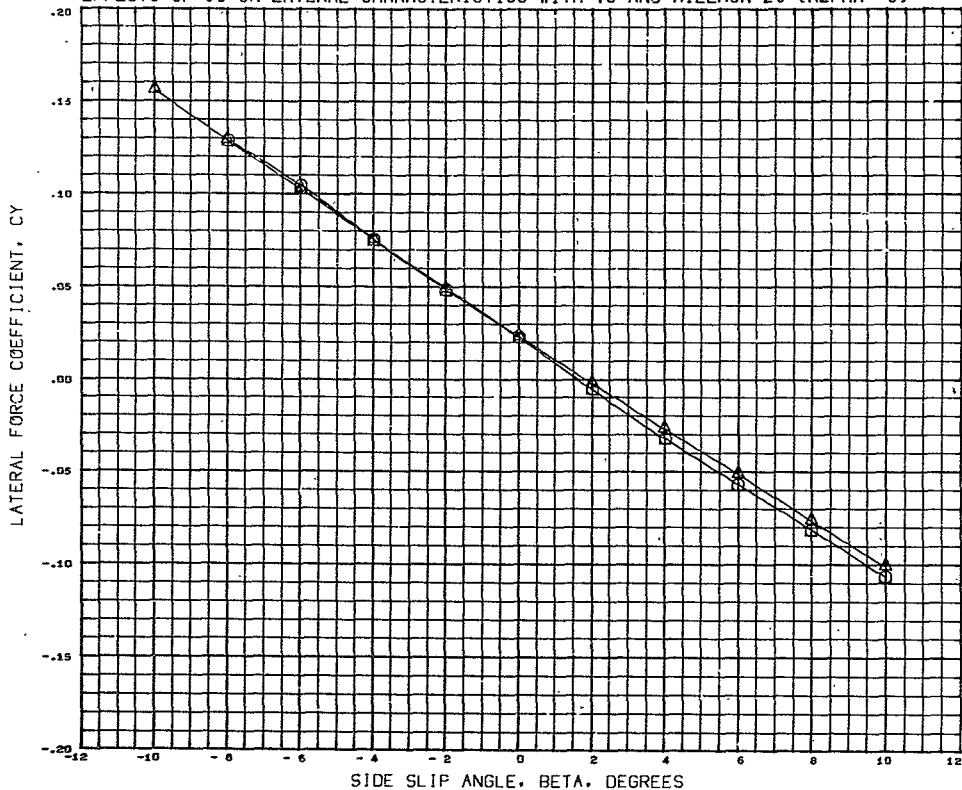


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ029)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5J6V9	4.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
(BCZ085)	MCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5V9	4.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	6.0000 FT.
						XMRP	0.6575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.266

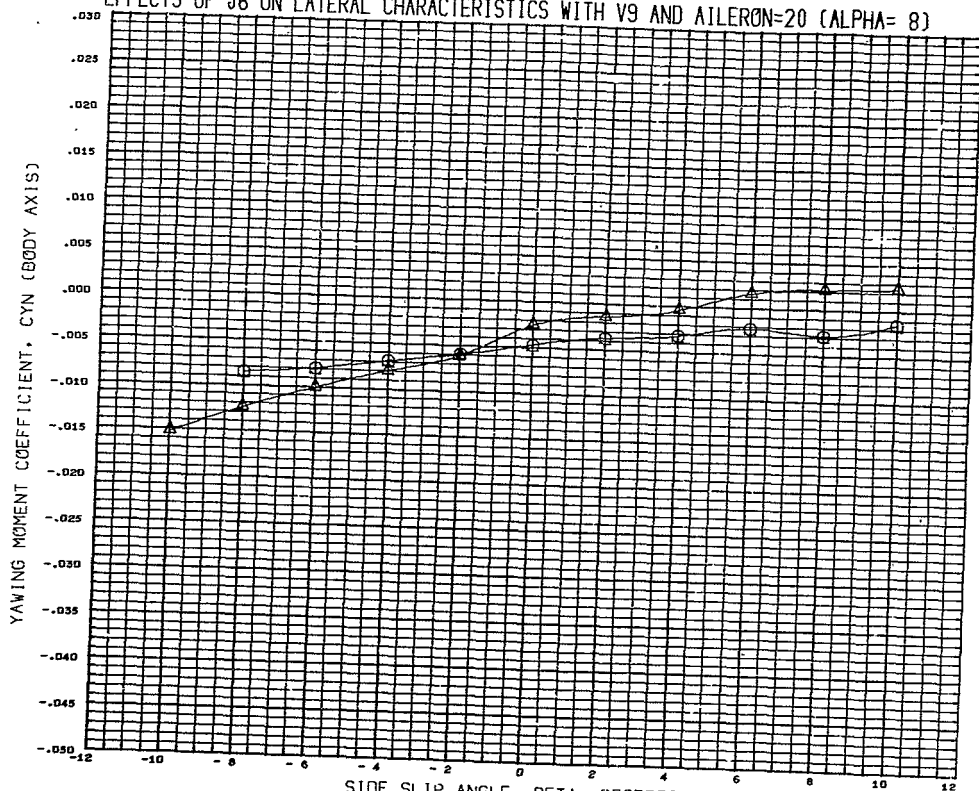
EFFECTS OF J6 ON LATERAL CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ031)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	8.000	0.000	20.000	0.000	SREF 9.0000 SQ. FT.
(BCZ047)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5V9	8.000	0.000	20.000	0.000	LREF 6.0000 FT.
						BREF 6.0000 FT.
						XWRP 0.8575 REFL
						YWRP 0.0000 FT.
						ZWRP 0.0100 REFL
						SCALE 0.0300 SCALE

NACH 0.280

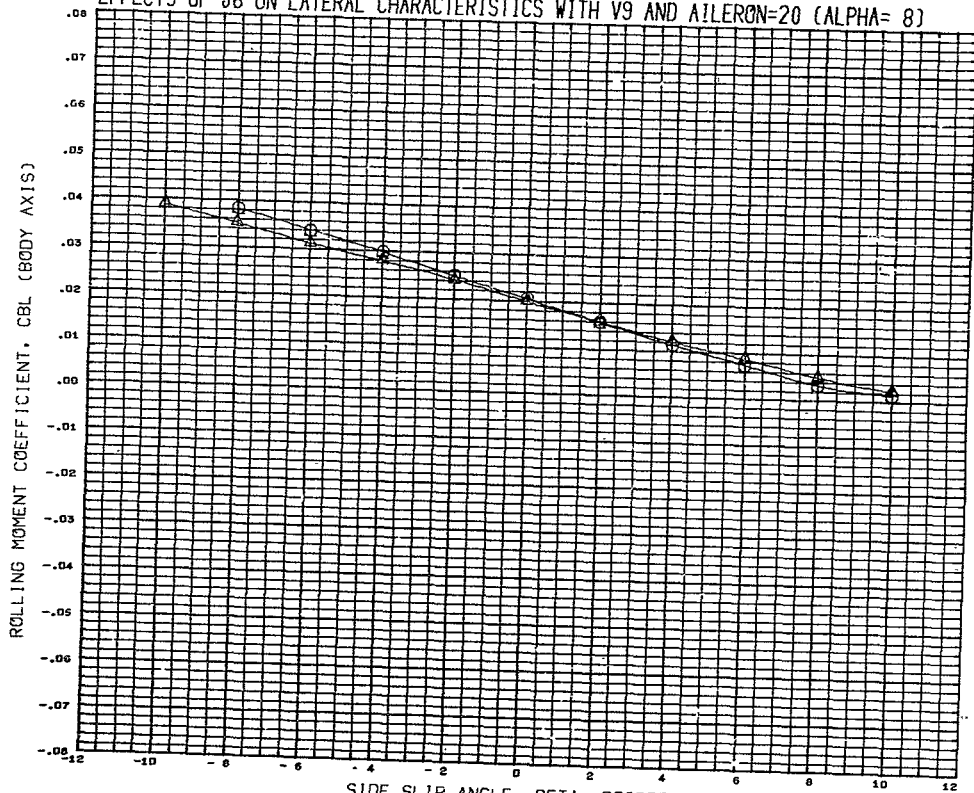
EFFECTS OF J6 ON LATERAL CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ031)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	20.000	0.000	SREF 9.0000 SQ. FT
(BCZ087)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	8.000	0.000	20.000	0.000	LREF 6.0000 FT.
						XREF 6.0000 FT.
						YMRP 0.8575 REFL
						ZMRP 0.0000 FT.
						SCALE 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

EFFECTS OF J6 ON LATERAL CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 8)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BC2031) Q MCAIR LSWT 258 3.0PCT MDAC/MHC 500ST B3N1W5J6V9
 (BC2087) MCAIR LSWT 258 3.0PCT MDAC/MHC 500ST B3W1W5V9

ALPHA 8.000 0.000 20.000
 8.000 0.000 20.000

ELEVON 0.000 20.000
 0.000 20.000

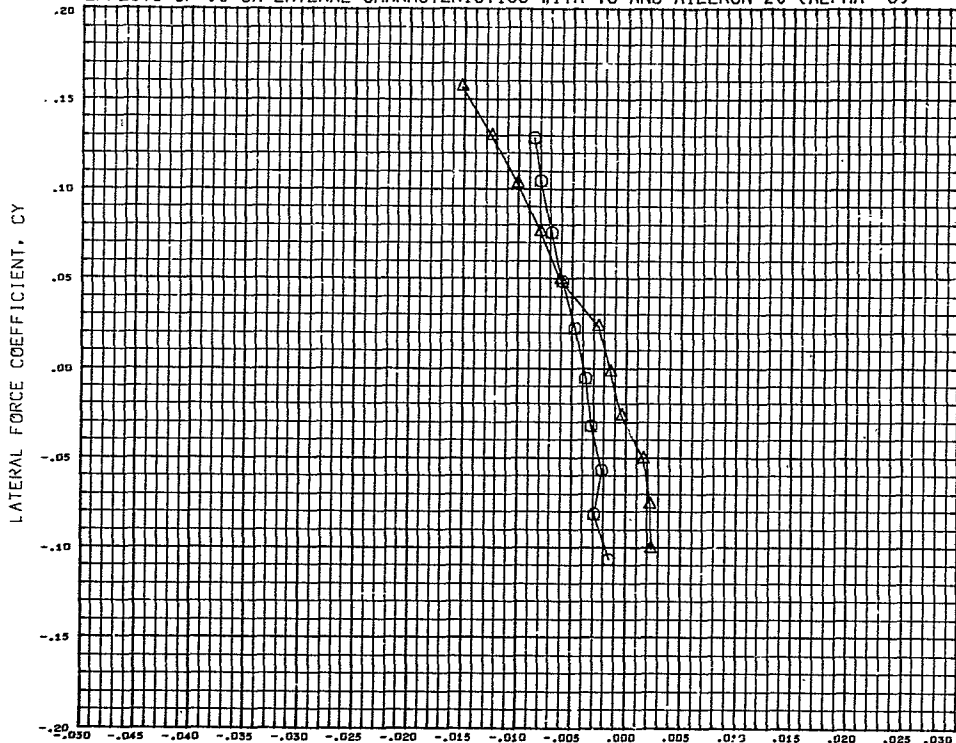
AILRON 0.000 20.000
 0.000 20.000

RUDDER 0.000 20.000
 0.000 20.000

REFERENCE INFORMATION
 SREF 9.0000 SQ. FT.
 LREF 6.0000 FT.
 BREF 6.0000 FT.
 YMRP 0.0575 REFL
 XMRP 0.0000 FT.
 ZMRP 0.0100 REFL
 SCALE 0.0300 SCALE

MACH 0.260

EFFECTS OF J6 ON LATERAL CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 8)

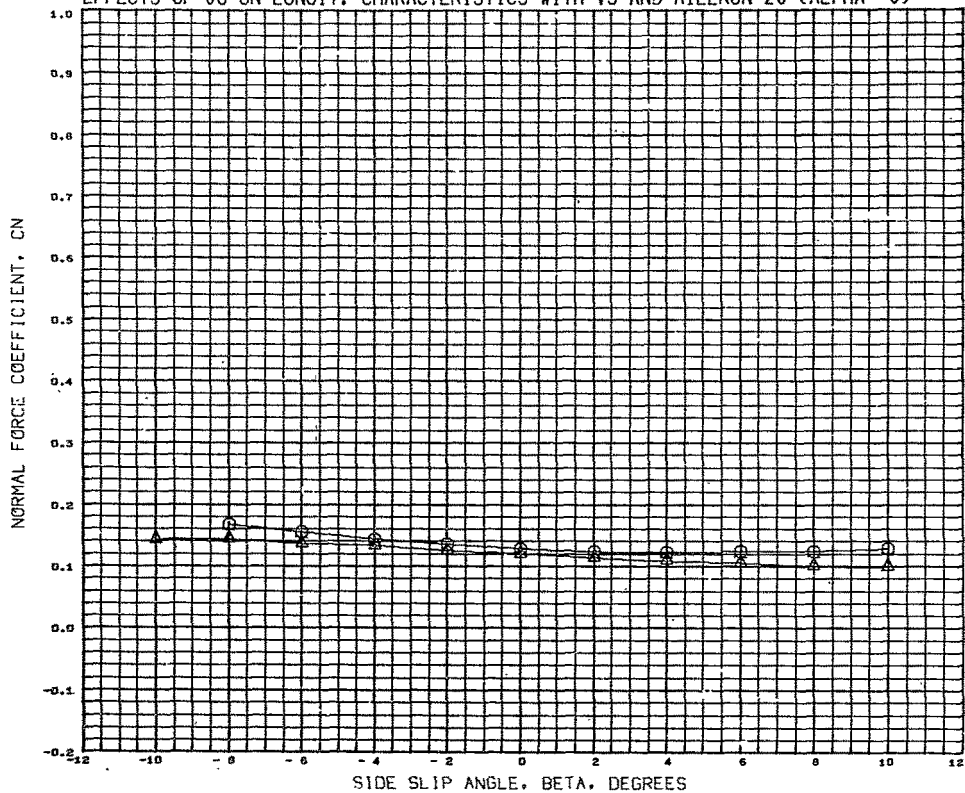


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ031)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W3J6V9	8.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
(BCZ037)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W3V9	8.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	6.0000 FT.
						YNRP	0.8575 REFL
						ZMRP	0.0000 FT.
						SCALE	0.0100 REFL
							0.0300 SCALE

MACH 0.260

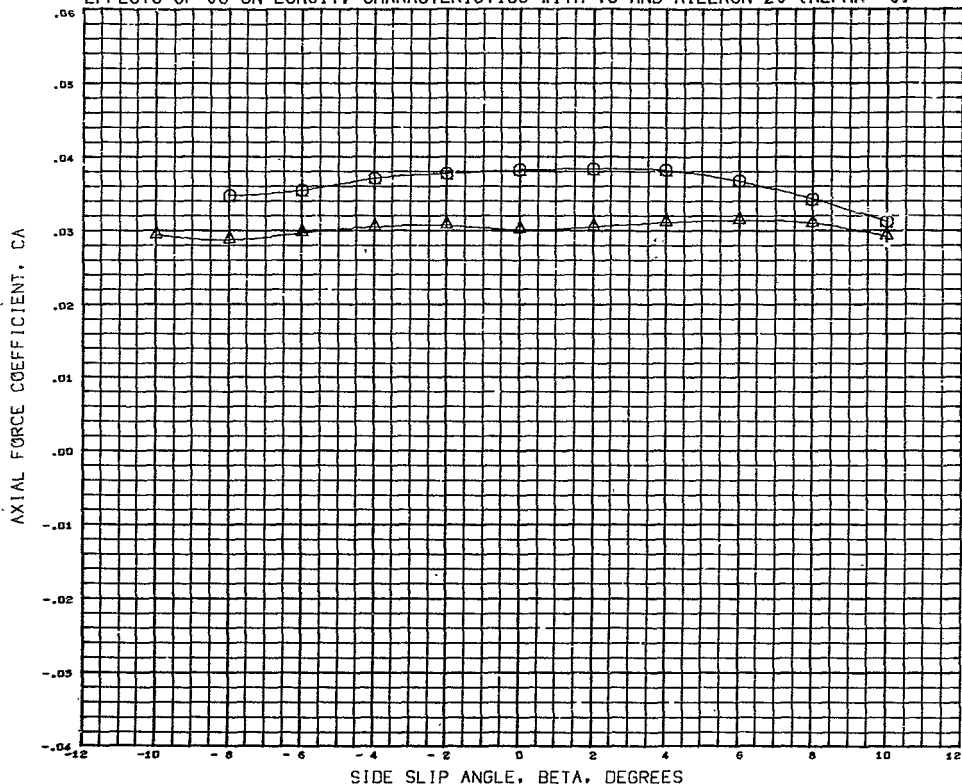
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(8CZ028)	NCAIR LSMT 298 3.0PCT NDAC/HMC BOOST B3N11W5J6V9	0.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
(8CZ064)	NCAIR LSMT 298 3.0PCT NDAC/HMC BOOST B3N11W5V9	0.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	0.0000 FT.
						XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

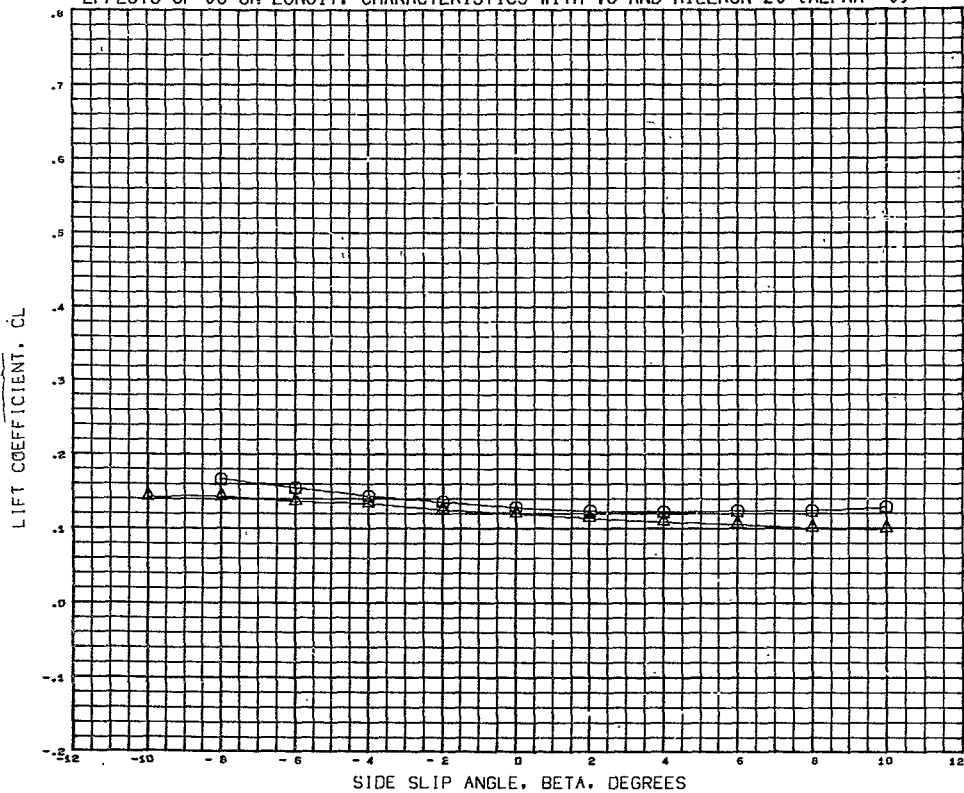
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 0)



DATA SET SYMBOL		CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ028)	Q	NCAIR LSMT 250 3.0PCT MDAC/MNC BOOST B3N11W5J6V9	0.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
(BCZ084)	A	NCAIR LSMT 250 3.0PCT MDAC/MNC BOOST B3N11W5V9	0.000	0.000	20.000	0.000	LREF	6.0000 FT.
							BREF	6.0000 FT.
							XMRP	0.0375 REFL
							YMRP	0.0000 FT.
							ZMRP	0.0100 REFL
							SCALE	0.0300 SCALE

MACH 0.260

EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 0)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZD28) Δ MCAIR LSWT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6V9

(ACZD64) Δ MCAIR LSWT 258 3.0PCT HDAC/HMC BOOST B3N11W5V9

ALPHA ELEVON AILRON RUDDER

0.000 0.000 20.000 0.000

0.000 0.000 20.000 0.000

REFERENCE INFORMATION

SREF 9.0000 SQ. FT

LREF 6.0000 FT.

SREF 6.0000 FT.

XMRP 0.8575 REFL

YMRP 0.0000 FT.

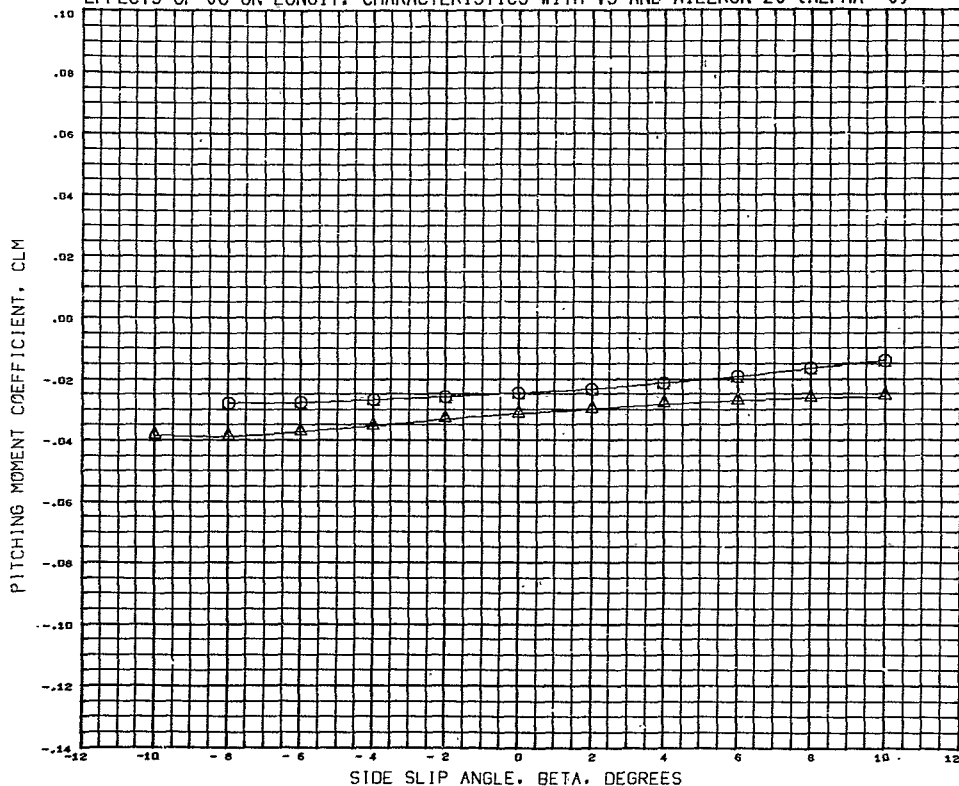
ZMRP 0.0100 REFL

SCALE 0.0300 SCALE

MACH

0.250

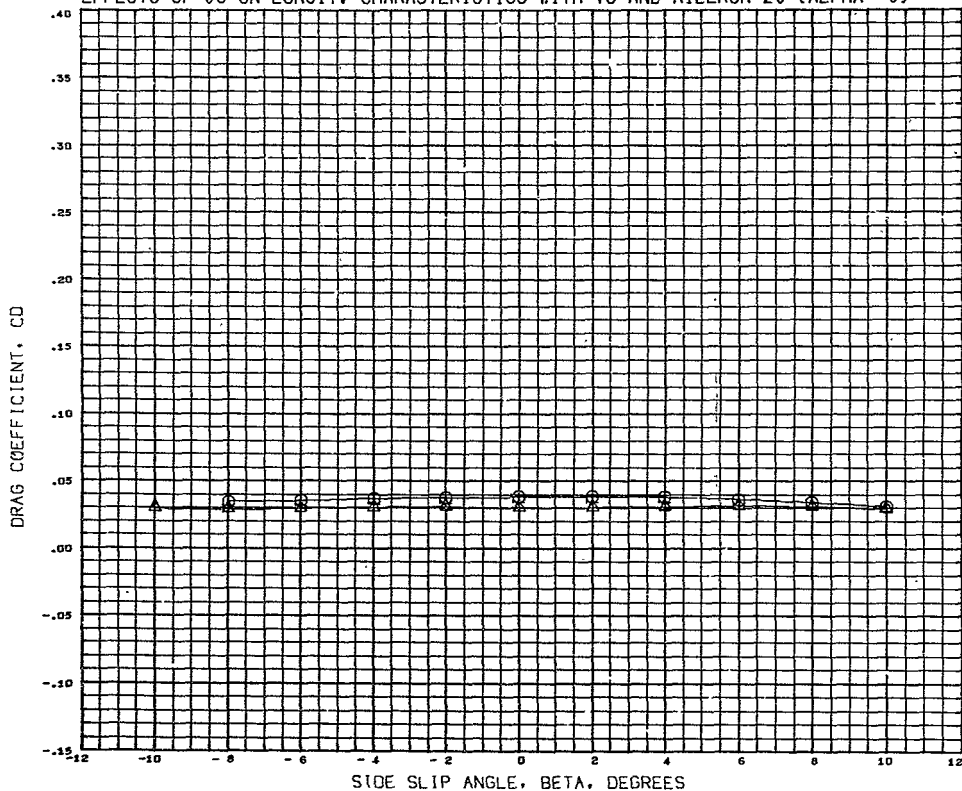
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZD28)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
(ACZD84)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	0.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	6.0000 FT.
						XMRP	0.8573 REFL
						YMRP	0.0050 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.250

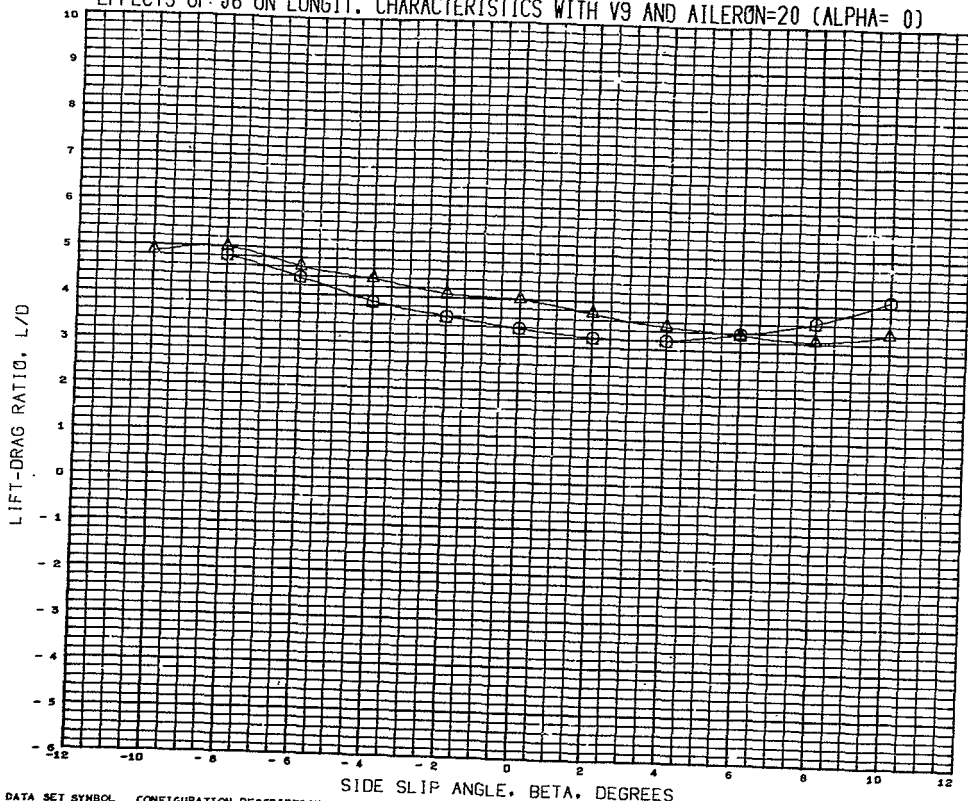
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 0)



DATA SET SYMBOL		CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ028)	Q	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	0.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
(ACZ064)	A	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	0.000	0.000	20.000	0.000	LREF	6.0000 FT.
							BREF	6.0000 FT.
							XMRP	0.0575 REFL
							YMRP	0.0000 FT.
							ZMRP	0.0100 REFL
							SCALE	0.0300 SCALE

MACH 0.250

EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 0)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ028) MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N21W3J6V9
 (ACZ084) MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W3V9

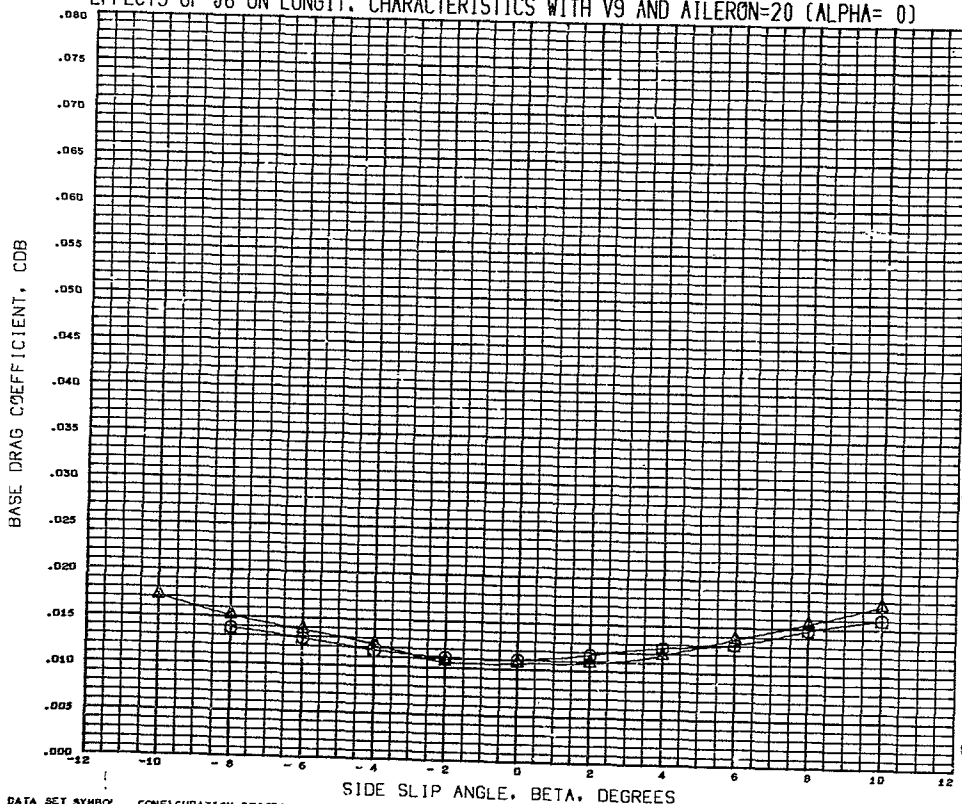
ALPHA ELEVON AILERON
 0.000 0.000 20.000
 0.000 0.000 20.000

RUDDER
 0.000
 0.000

REFERENCE INFORMATION
 SREF 9.0000 SQ. FT
 LREF 6.0000 FT.
 BREF 6.0000 FT.
 XNRP 0.8575 REFL
 YNRP 0.0000 FT.
 ZNRP 0.0100 REFL
 SCALE 0.0300 SCALE

MACH 0.265

EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 0)



DATA SET SYMBOL. CONFIGURATION DESCRIPTION

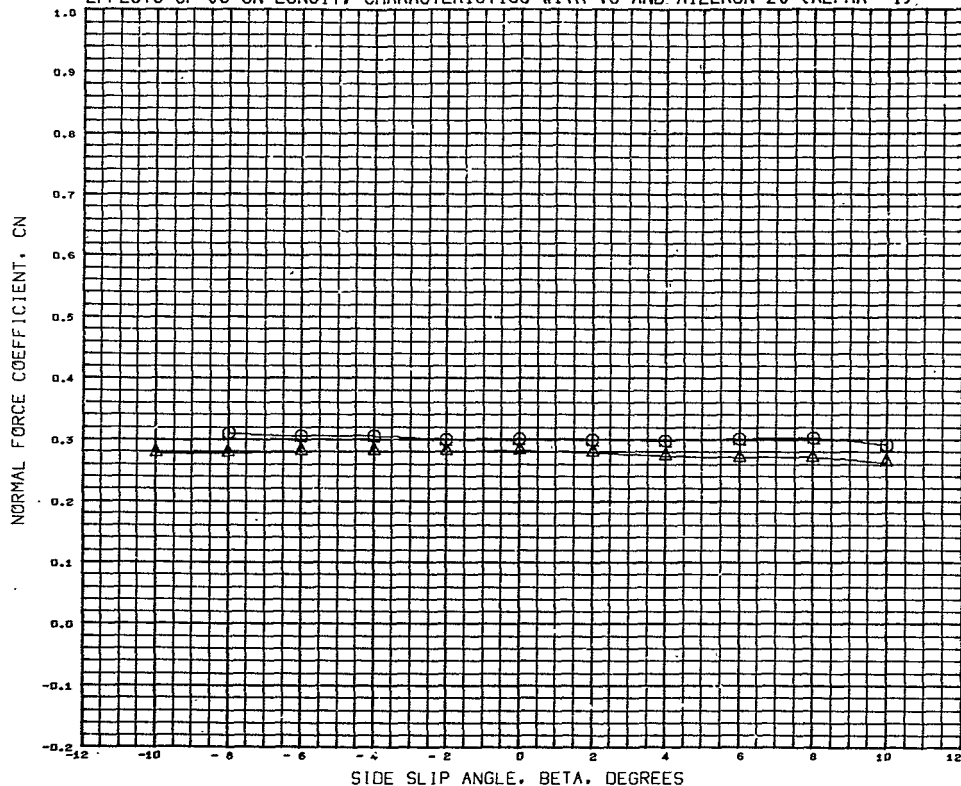
(AC2028) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (AC2084) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9

ALPHA 0.000 ELEVON 0.000 AILERON 20.000 RUDDER 0.000
 0.000 0.000 20.000 0.000

REFERENCE INFORMATION
 SREF 9.0000 SQ. FT
 LREF 6.0000 FT.
 BREF 6.0000 FT.
 YMRP 0.0375 REFL
 YMRP 0.0000 FT.
 ZMRP 0.0100 REFL
 SCALE 0.0300 SCALE

MACH 0.260

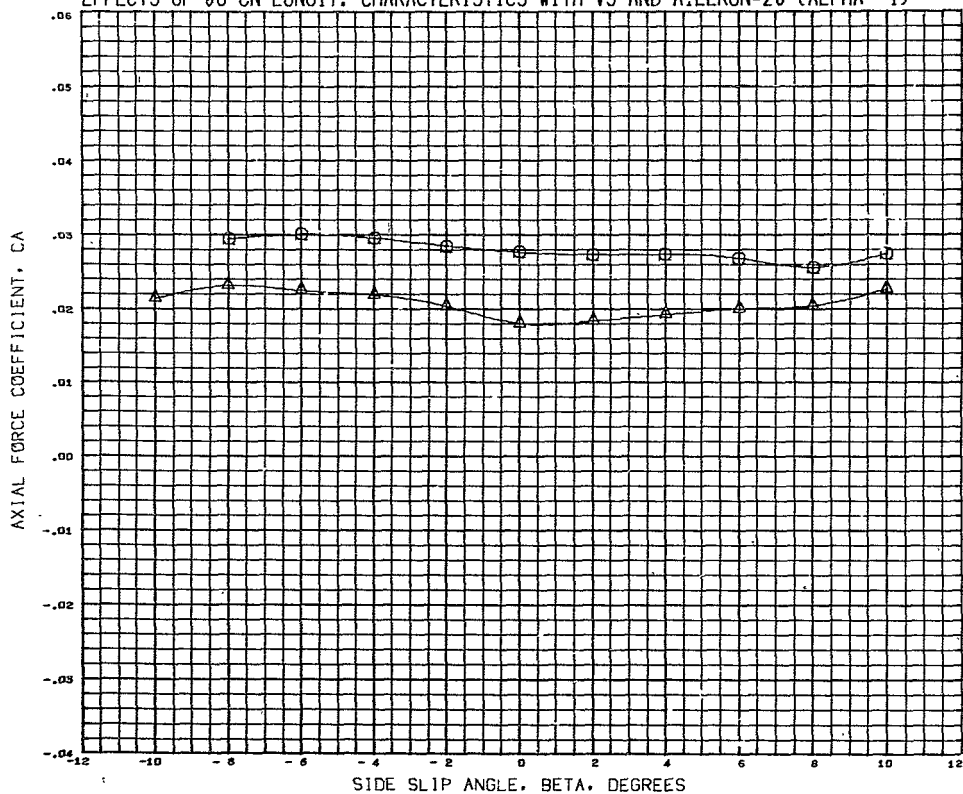
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA=4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ029)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	20.000	0.000	SREF 9.0000 SQ. FT
(BCZ085)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	20.000	0.000	LREF 6.0000 FT.
						BREF 6.5000 FT.
						YMRP 0.8375 REFL
						ZMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

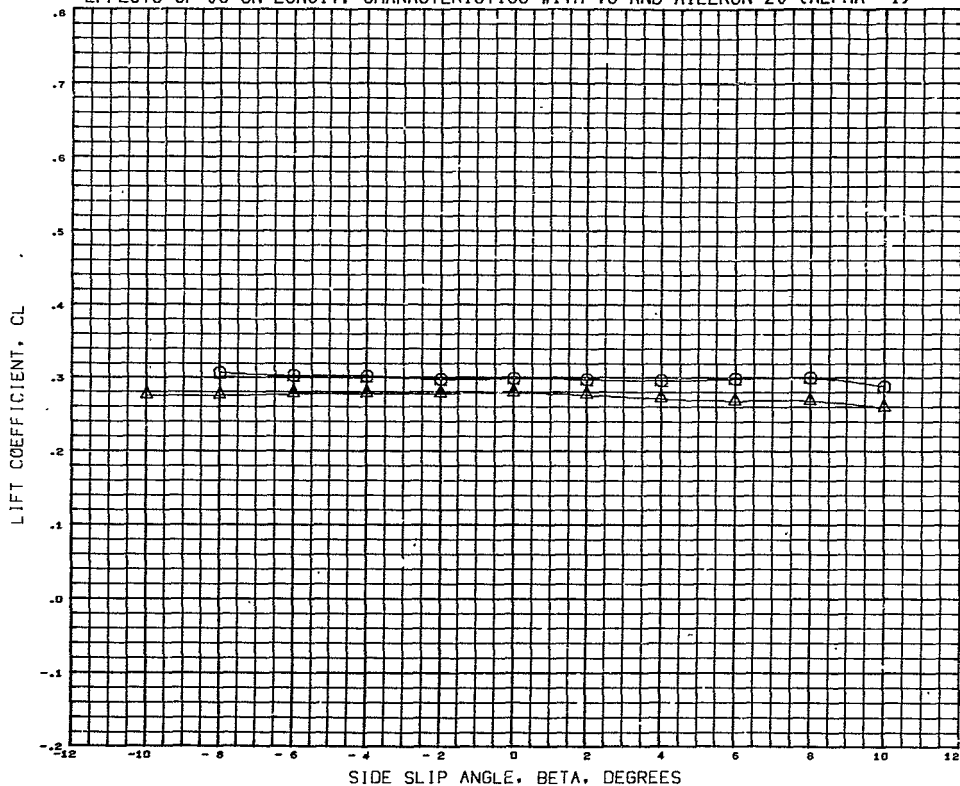
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZD29)	MCAIR LSWT 258 3.0PCT HDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	20.000	0.000	SREF 9.0000 SQ. FT
(BCZD65)	MCAIR LSWT 258 3.0PCT HDAC/MHC BOOST B3N11W5V9	4.000	0.000	20.000	0.000	LREF 8.0000 FT.
						BREF 5.0000 FT.
						XMRP 0.8375 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

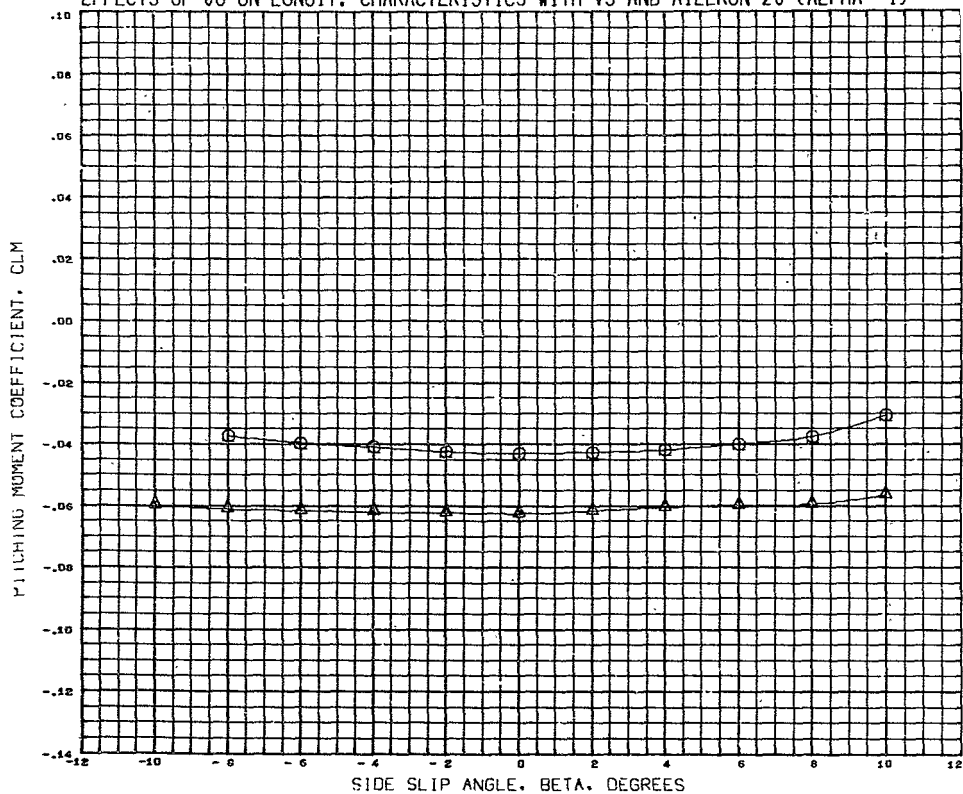
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 4)



ATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION
AC2029	○	HCAIR LSMT 258 5.DPCT MDAC/MNC BOOST B5N11W5J6V9	4.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
AC2085	△	HCAIR LSMT 258 3.DPCT MDAC/MNC BOOST B3N11W5V9	4.000	0.000	20.000	0.000	LREF	6.0000 FT.
							BREF	6.0000 FT.
							XMRP	0.8575 REFL
							YMRP	0.0000 FT.
							ZMRP	0.0100 REFL
							SCALE	0.0300 SCALE

MACH 0.260

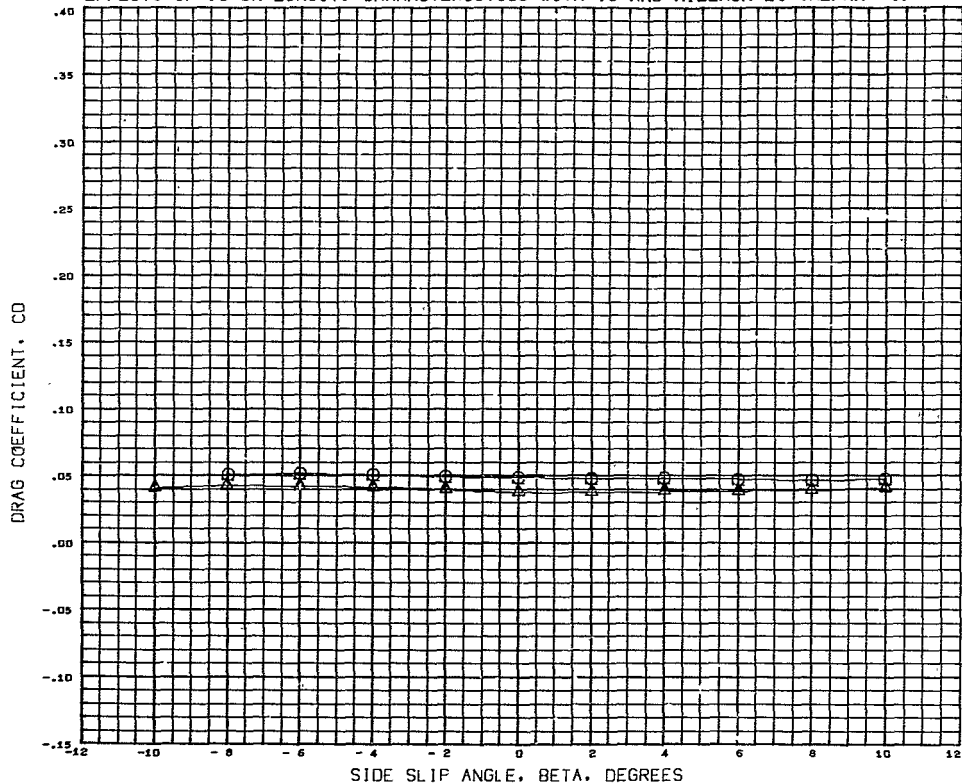
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(AC2029)	NCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3M11W8J6V9	4.000	0.000	20.000	0.000	SREF 9.0000 SQ. FT
(AC2085)	NCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3M11W8V9	4.000	0.000	20.000	0.000	LREF 6.0000 FT.
						BREF 0.0000 FT.
						XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0000 REFL
						SCALE 0.0300 SCALE

MACH 0.260

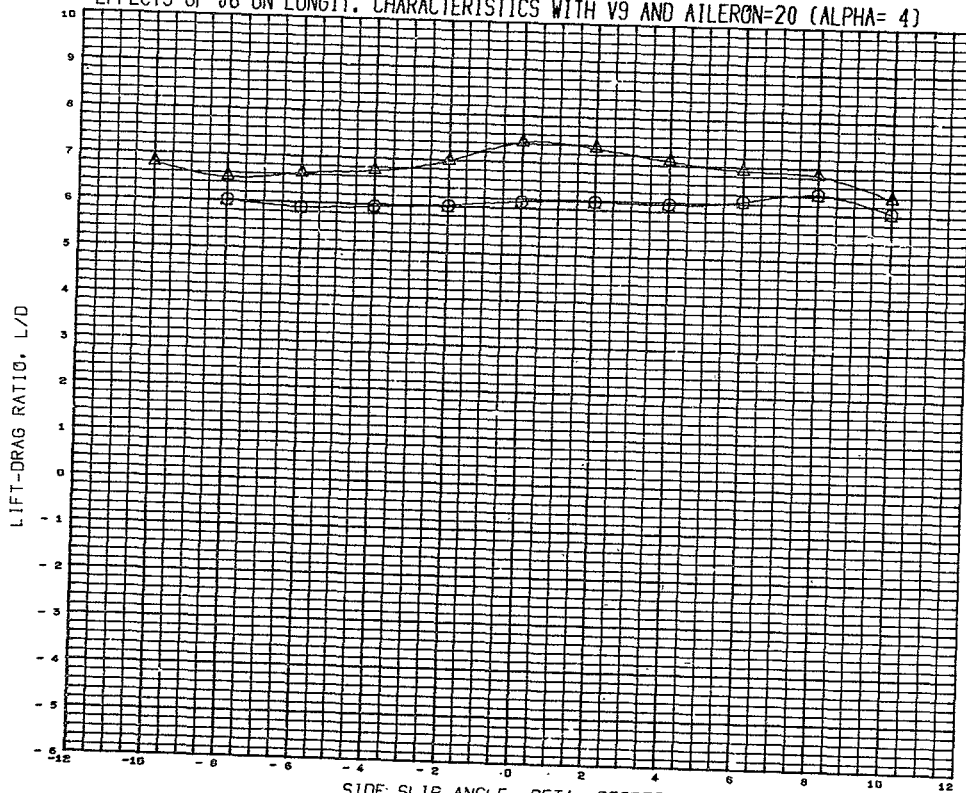
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ029)	Q MCAIR LSMT 258 3.0PCT MDAC/MMC BOOST B3N11W5J6V9	4.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
(ACZ085)	Δ MCAIR LSMT 258 3.0PCT MDAC/MMC BOOST B3N11W5V9	4.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	6.0000 FT.
						XMRP	0.8575 REFL
						YMRP	0.6000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

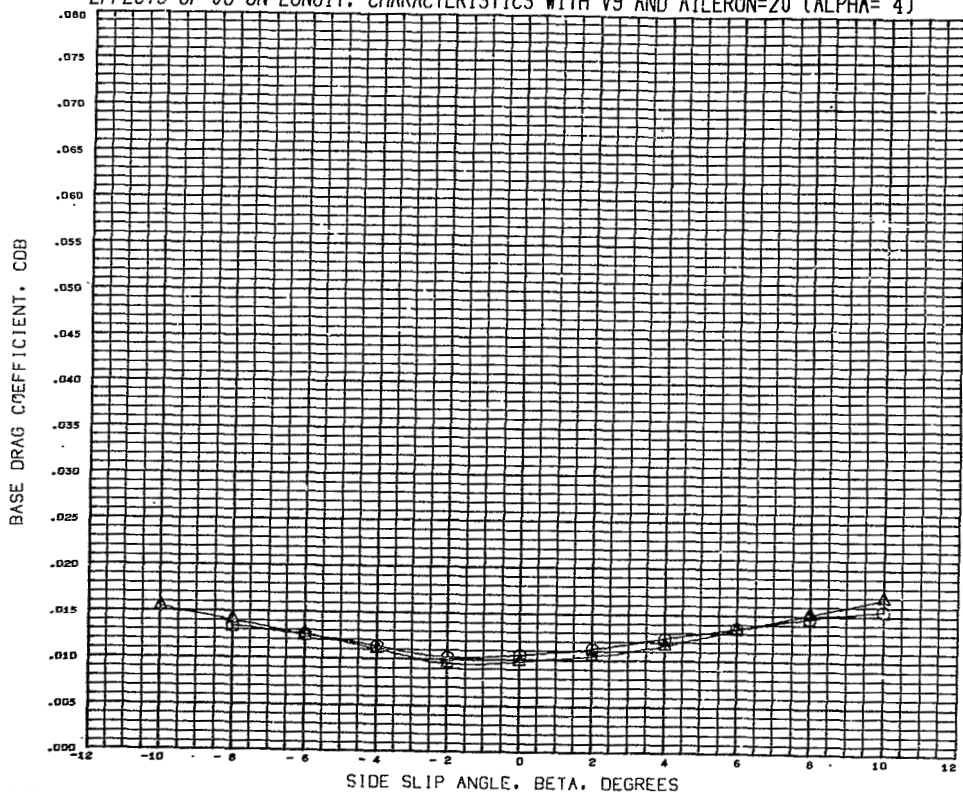
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ029)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	4.000	0.000	20.000	0.000	9.0000 SQ. FT
(ACZ089)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	20.000	0.000	6.0000 FT.
						6.0000 FT.
						0.8575 REFL
						0.0000 FT.
						0.0100 REFL
						0.0300 SCALE

MACH 0.260

EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 4)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

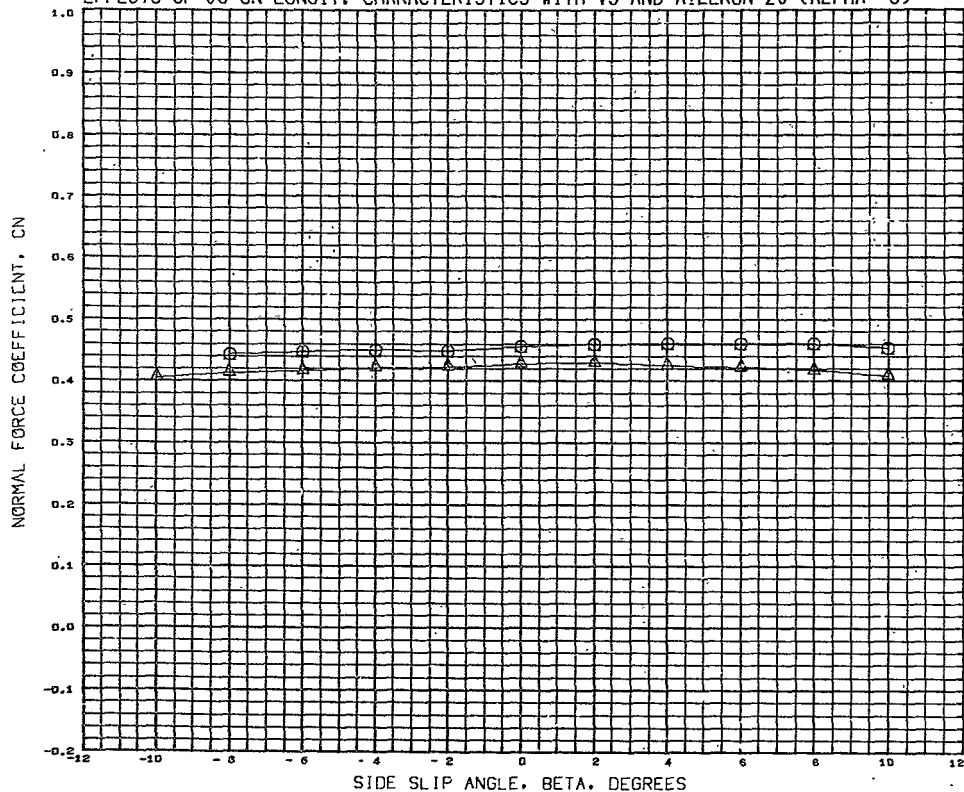
(AC2029) HCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (AC2085) HCAIR LSWT 250 3.0PCT MDAC/MHC BOOST B3N11W5V9

ALPHA	ELEVON	AILRON	RUDDER
4.000	0.000	20.000	0.000
4.000	0.000	20.000	0.000

REFERENCE INFORMATION	
SREF	9.0000 SQ. FT
LREF	6.0000 FT.
BREF	6.0000 FT.
XMRP	0.0575 REFL
YMRP	0.0000 FT.
ZMRP	0.0100 REFL
SCALE	0.0300 SCALE

MACH 0.260

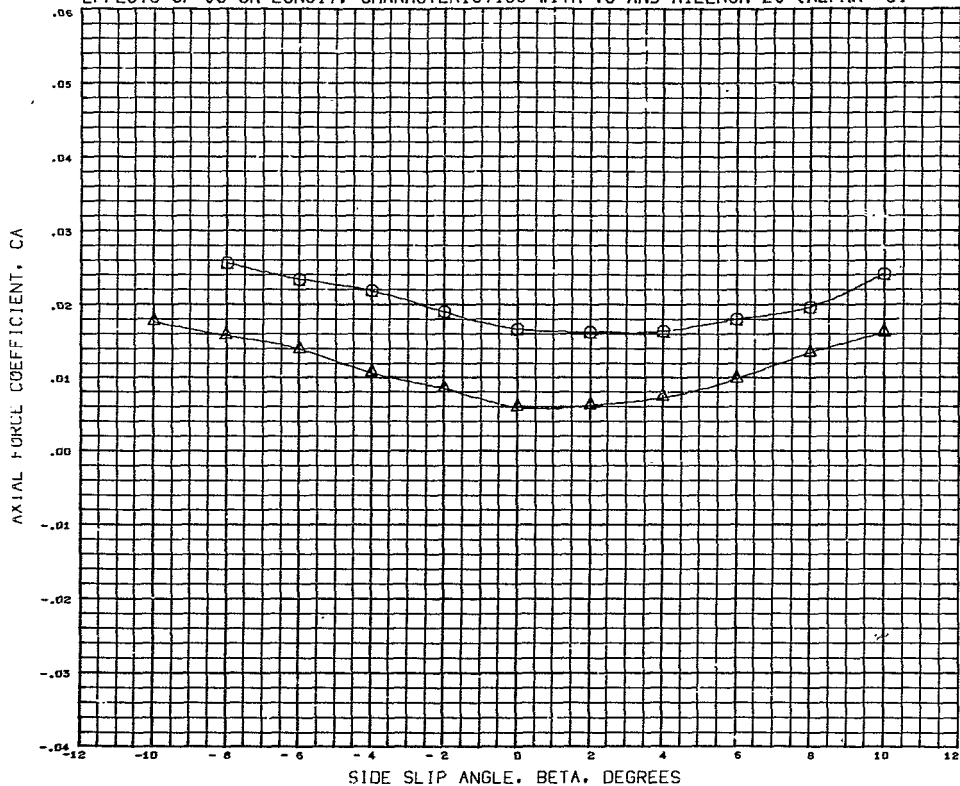
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON-20 (ALPHA= 8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ035)	HCAIR LSMT 250 3.0PCT HDAC/HMC BOOST B3N11WSJ6V9	8.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
(BCZ087)	HCAIR LSMT 250 3.0PCT HDAC/HMC BOOST B3N11WSV9	8.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	4.0000 FT.
						XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

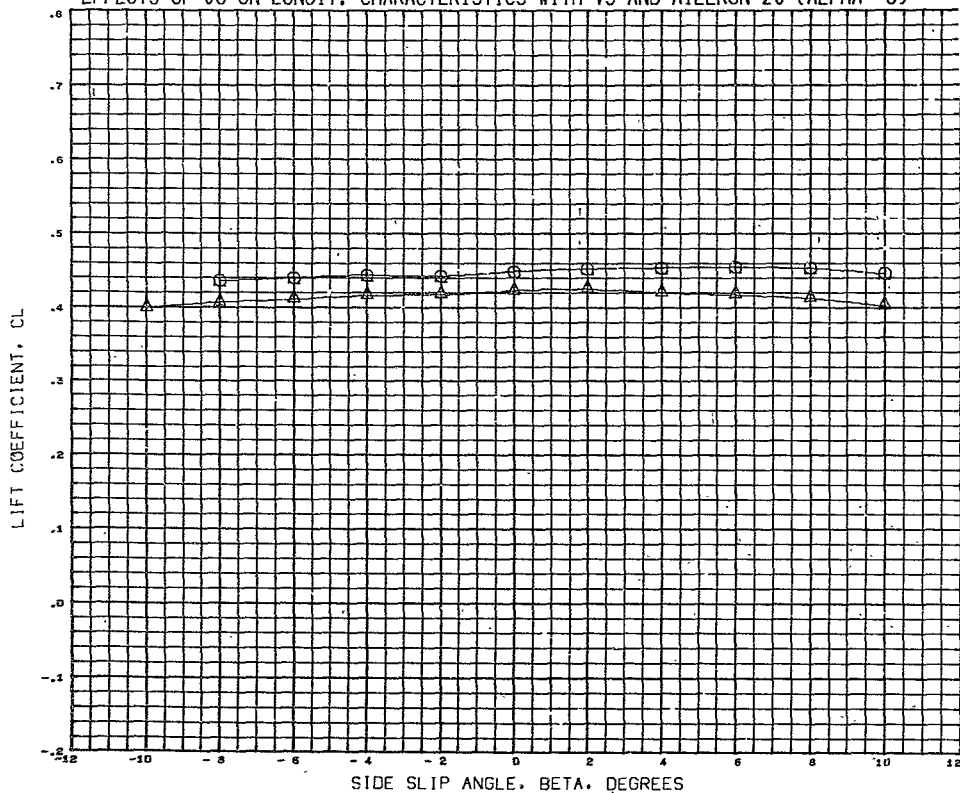
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 8)



DATA SET SYMBOL		CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BC2031)	○	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST 83M11W516V9	8.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
(BC2087)	△	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST 83M11W516V9	8.000	0.000	20.000	0.000	LREF	6.0000 FT.
							BREF	5.0000 FT.
							XMRP	0.8575 REFL
							YMRP	0.0000 FT.
							ZMRP	0.0100 REFL
							SCALE	0.0300 SCALE

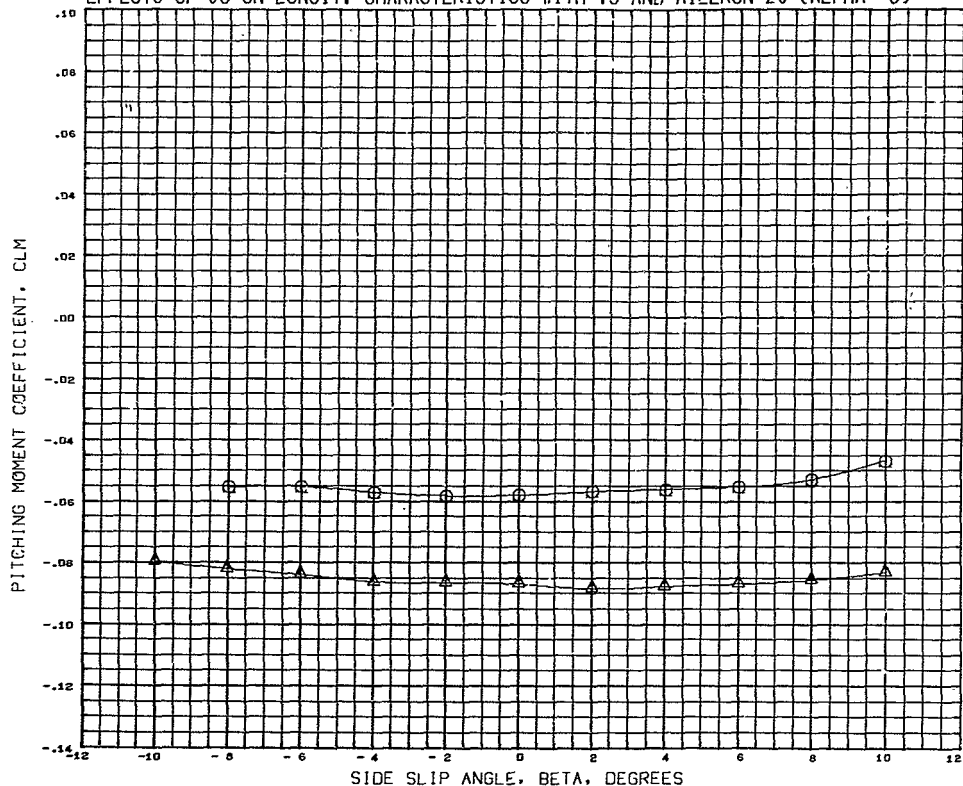
MACH 0.260

EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(AC2031)	HCAIR LSWT 256 3.0PCT HDAC/HMC BOOST B3N11W5J6V9	8.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
(AC2037)	HCAIR LSWT 256 3.0PCT HDAC/HMC BOOST B3N11W5V9	8.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	6.0000 FT.
						XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE
MACH 0.260							

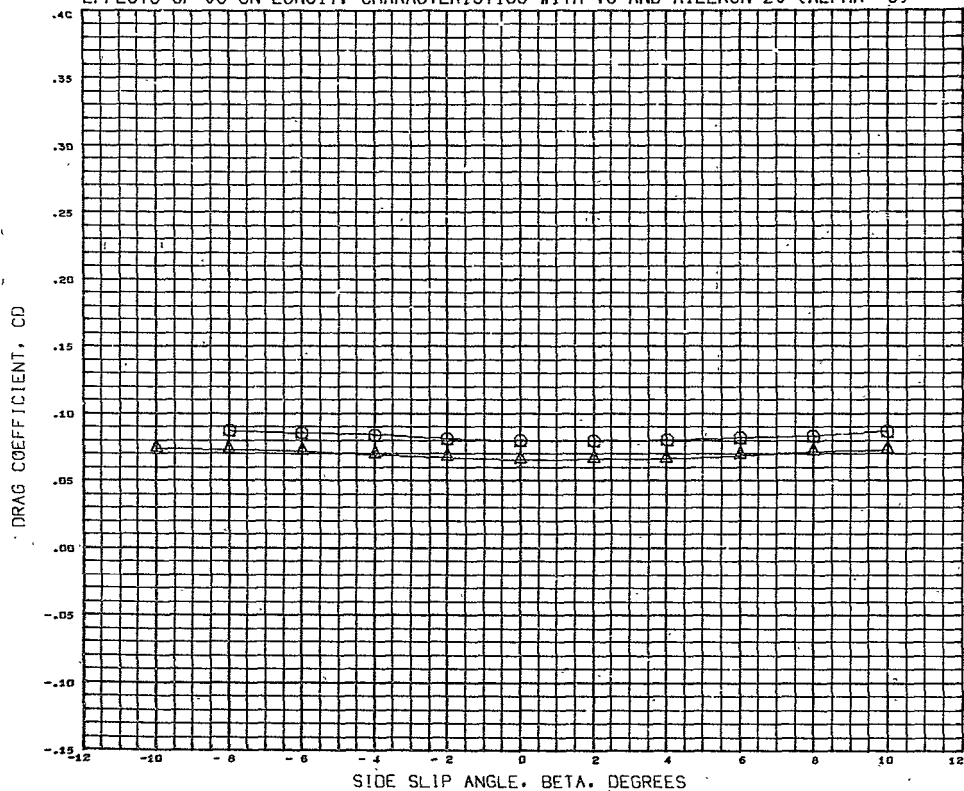
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 8)



ATA SET SYMBOL		CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
ACZ031	○	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9	8.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
ACZ097	△	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	8.000	0.000	20.000	0.000	LREF	6.0000 FT.
							BREF	6.0000 FT.
							XMRP	0.0575 REFL
							YMRP	0.0000 FT.
							ZMRP	0.0100 REFL
							SCALE	0.0500 SCALE

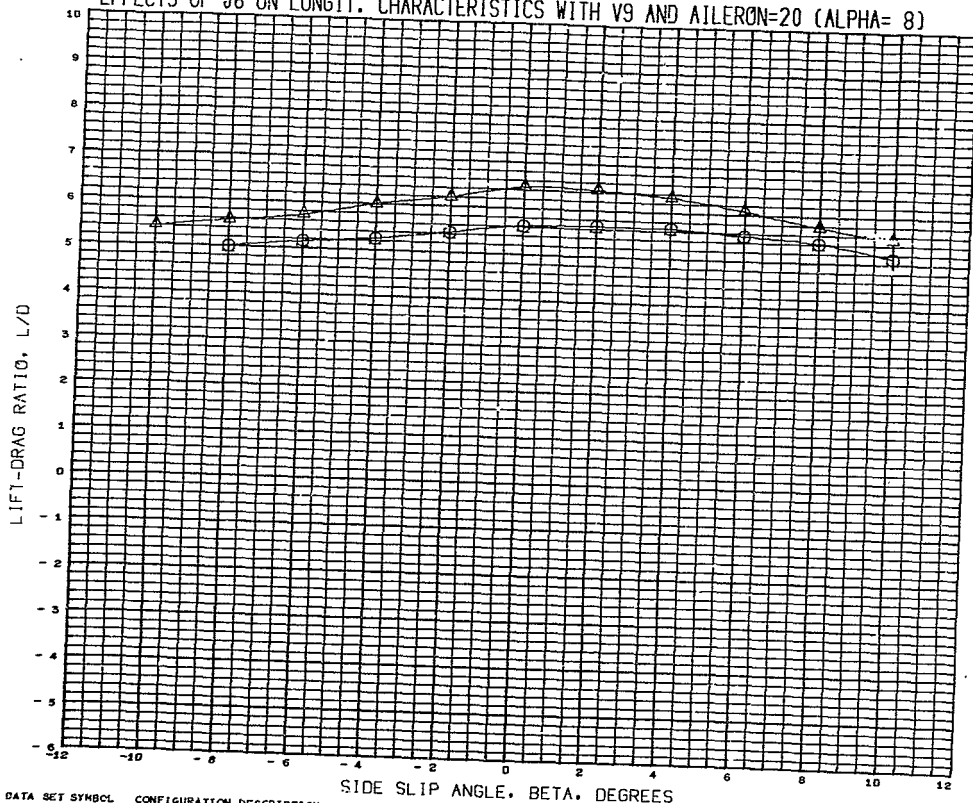
MACH 0.260

EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(AC2031)	MC1R LSWT 258 3.0PCT HDAC/HMC BOOST B3N11W5J6V9	8.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
(AC2067)	MC1R LSWT 258 3.0PCT HDAC/HMC BOOST B3N11W5V9	8.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	6.0000 FT.
						XMRP	0.8975 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE
MACH 0.200							

EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 8)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

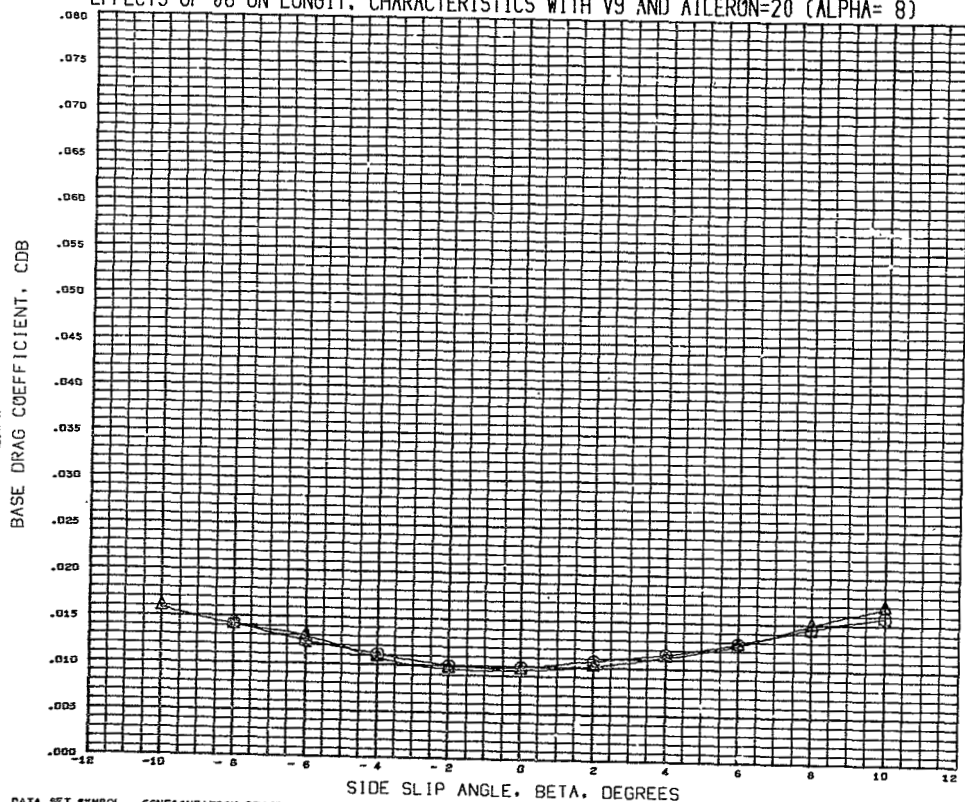
(AC2034)  NCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5J6V9
 (AC2087)  NCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9

ALPHA	ELEVON	AILRON	RUDDER
8.000	0.000	20.000	0.000
8.000	0.000	20.000	0.000

REFERENCE INFORMATION	
SREF	9.0000 SQ. FT
LREF	6.0000 FT.
BREF	6.0000 FT.
XMRP	0.0575 REFL
YMRP	0.0000 FT.
ZMRP	0.0100 REFL
SCALE	0.0300 SCALE

MACH 0.260

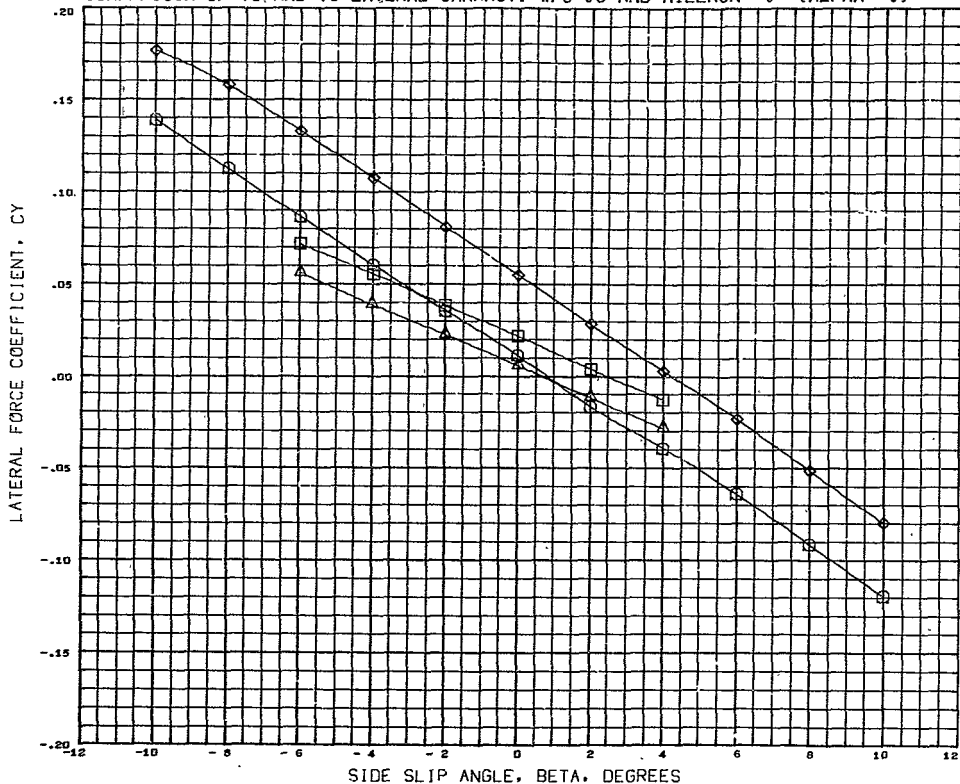
EFFECTS OF J6 ON LONGIT. CHARACTERISTICS WITH V9 AND AILERON=20 (ALPHA= 8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(AC2055)	MCALR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11WSJ6V9	8.000	0.000	20.000	0.000	SREF 9.0000 SQ. FT
(AC2087)	MCALR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11WSV9	8.000	0.000	20.000	0.000	LREF 6.0000 FT.
						BREF 6.0000 FT.
						XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

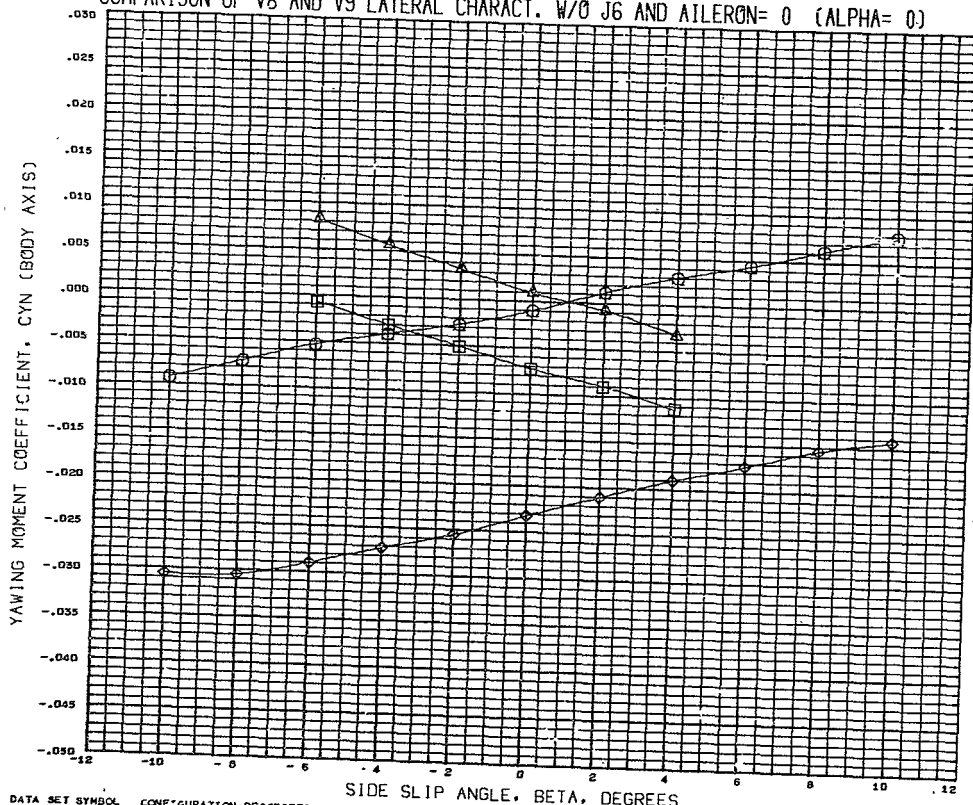
COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ080)	WCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W3V9	0.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ092)	WCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W3V8	0.000	0.000	0.000	0.000	LREF 6.0000 FT.
(BCZ088)	WCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W3V9	0.000	0.000	0.000	10.000	BREF 6.0000 FT.
(BCZ098)	WCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W3V8	0.000	0.000	0.000	10.000	XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 0)



DATA SET SYMBOL

CONFIGURATION DESCRIPTION

(BCZ090)
(BCZ092)
(BCZ098)
(BCZ098)

△
◇
◇
□

MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WSV9
MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WSV8
MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WSV9
MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WSV8

SIDE SLIP ANGLE, BETA, DEGREES

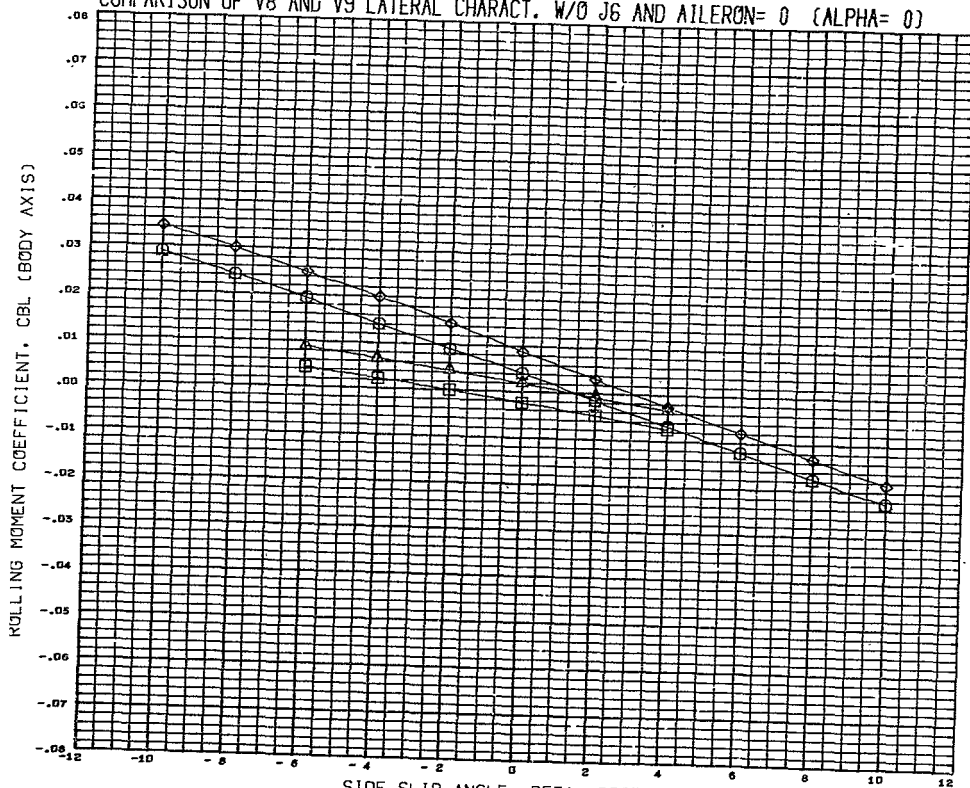
ALPHA ELEVON AILRON RUDDER
0.000 0.000 0.000 0.000
0.000 0.000 0.000 0.000
0.000 0.000 0.000 10.000
0.000 0.000 0.000 10.000

REFERENCE INFORMATION
SREF 9.0000 SQ. FT.
LREF 6.0000 FT.
BREF 6.0000 FT.
YNRP 0.8575 REFL
ZNRP 0.0000 FT.
SCALE 0.0100 REFL
SCALE 0.0300 SCALE

MACH

0.266

COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 0)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BC2080) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V5

(BC2092) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8

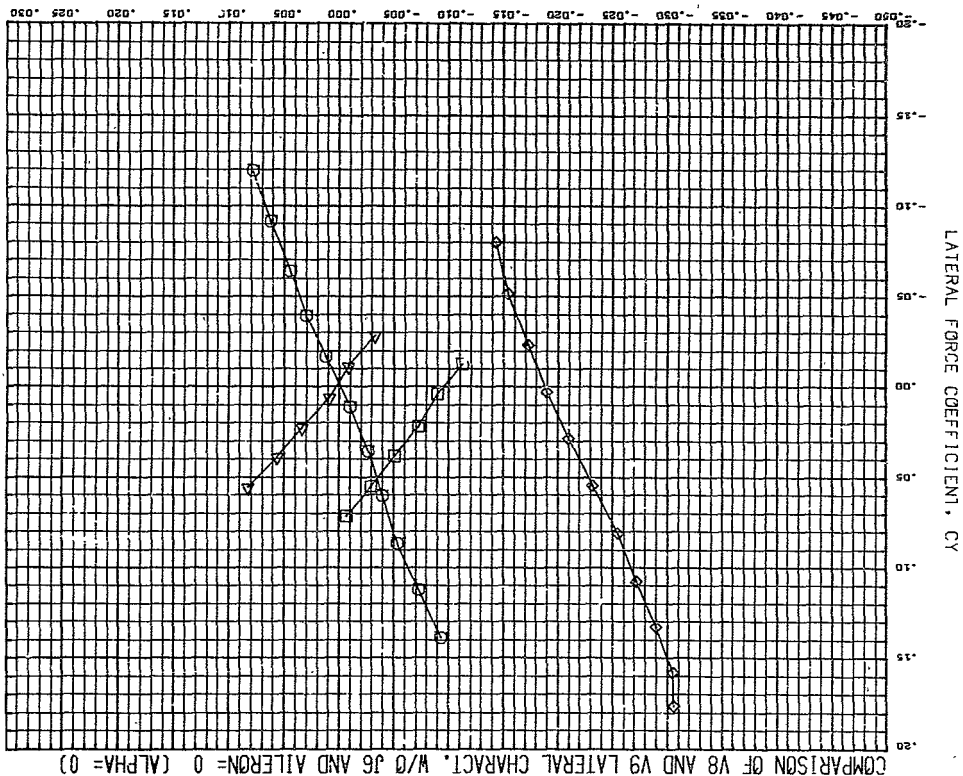
(BC2088) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9

(BC2098) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8

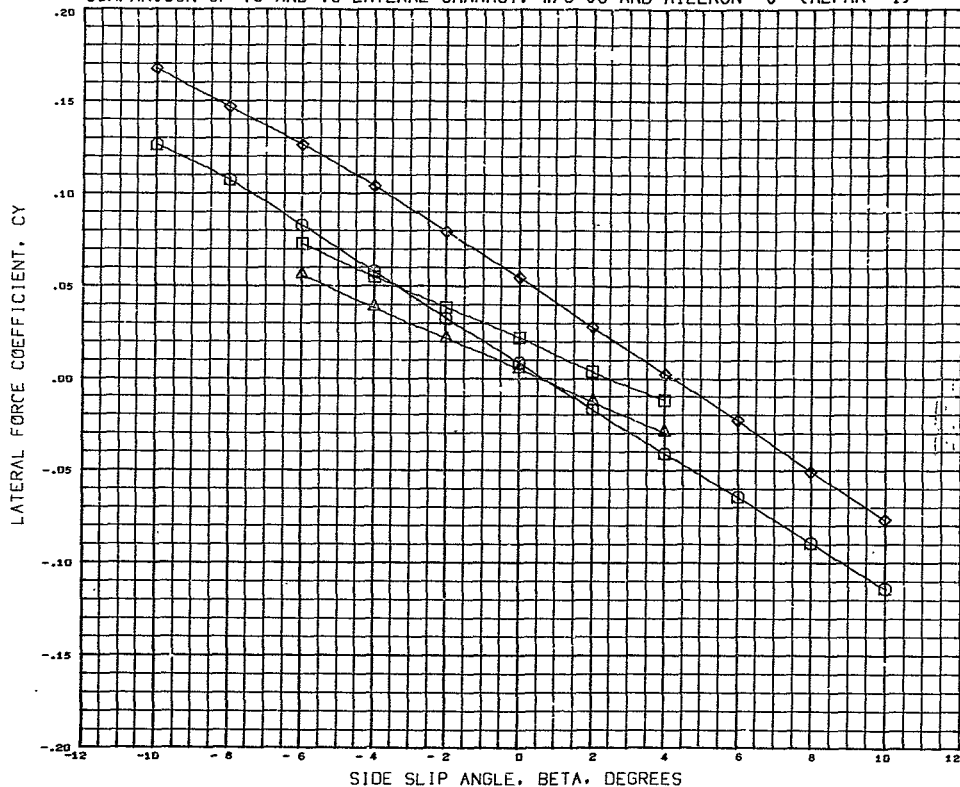
SIDE SLIP ANGLE, BETA, DEGREES

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
0.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
0.000	0.000	0.000	0.000	LREF	6.0000 FT.
0.000	0.000	0.000	10.000	BREF	6.000L FT.
0.000	0.000	0.000	10.000	XMRP	0.8575 REFL
				YMRP	0.0000 FT.
				ZMRP	0.0100 REFL
				SCALE	0.0300 SCALE

MACH 0.260



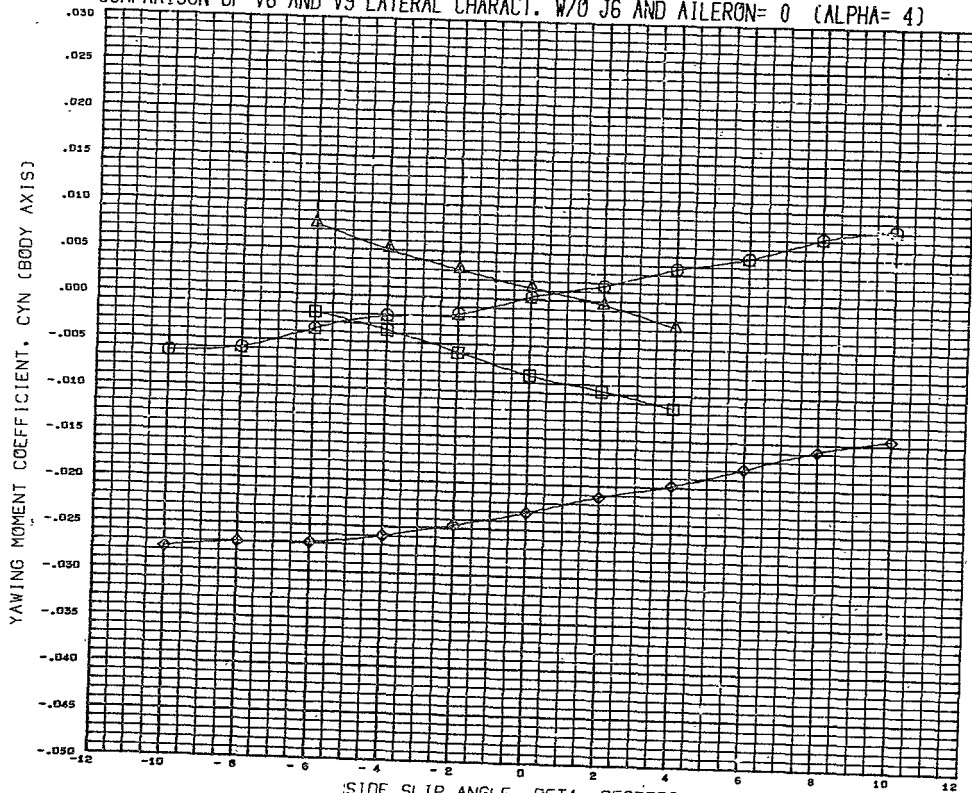
COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION
(BCZ001)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11WSV9	4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZ095)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11WSV8	4.000	0.000	0.000	0.000	LREF	6.0000 FT.
(BCZ089)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11WSV9	4.000	0.000	0.000	10.000	BREF	6.0000 FT.
(BCZ099)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11WSV8	4.000	0.000	0.000	10.000	XMRP	0.875 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

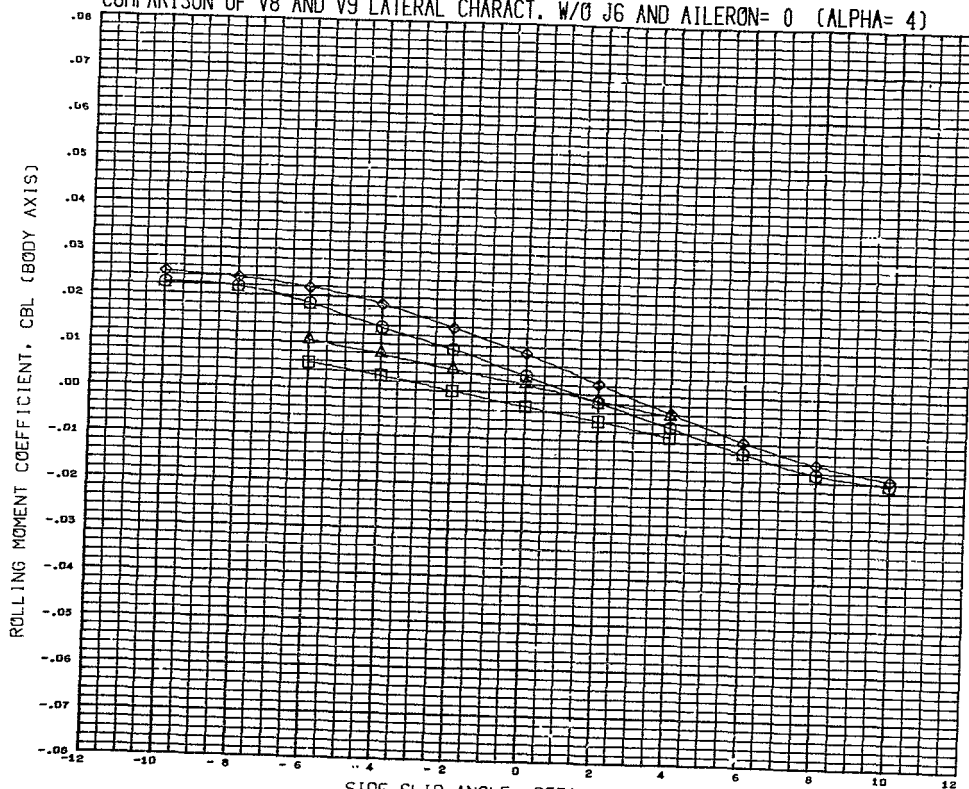
COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ061)	HCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11WSV9	4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ093)	HCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11WSV8	4.000	0.000	0.000	0.000	LREF 6.0000 FT.
(BCZ099)	HCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11WSV9	4.000	0.000	0.000	10.000	BREF 6.0000 FT.
(BCZ099)	HCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11WSV8	4.000	0.000	0.000	10.000	YNRP 0.8575 REFL
						ZNRP 0.0000 FT.
						SCALE 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

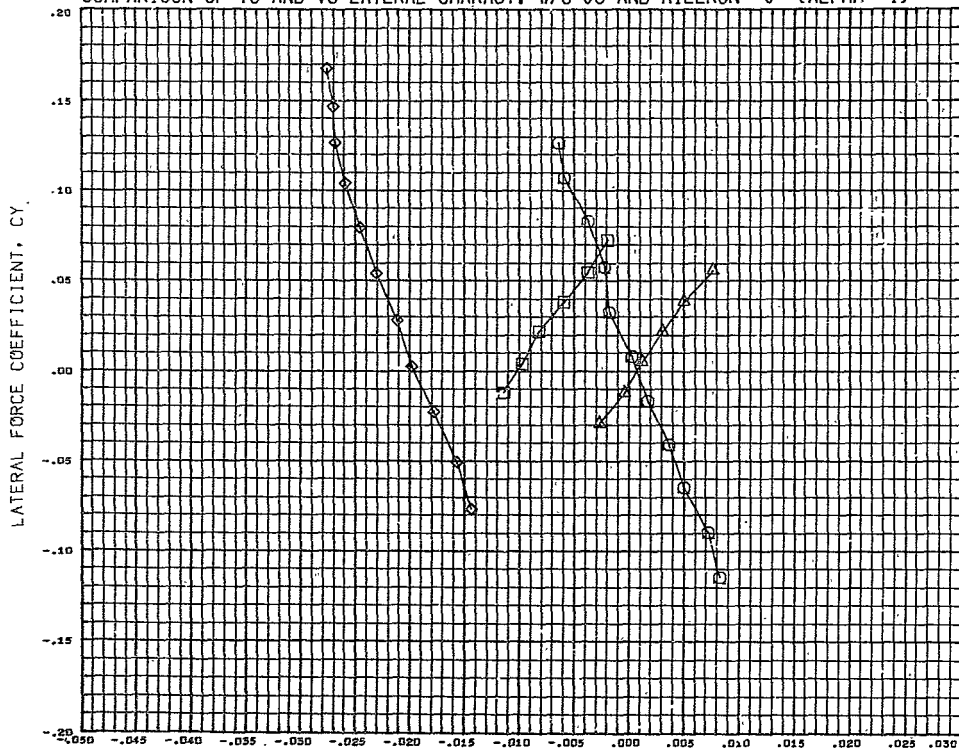
COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ081)	HCAIR LSWT 258 3.DPCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ093)	HCAIR LSWT 258 3.DPCT MDAC/MHC BOOST B3N11W5V8	4.000	0.000	0.000	0.000	LREF 6.0000 FT.
(BCZ089)	HCAIR LSWT 258 3.DPCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	10.000	XWRP 6.0000 FT.
(BCZ099)	HCAIR LSWT 258 3.DPCT MDAC/MHC BOOST B3N11W5V8	4.000	0.000	0.000	10.000	YWRP 0.8575 REFL
						ZWRP 0.0000 FT.
						SCALE 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 4)

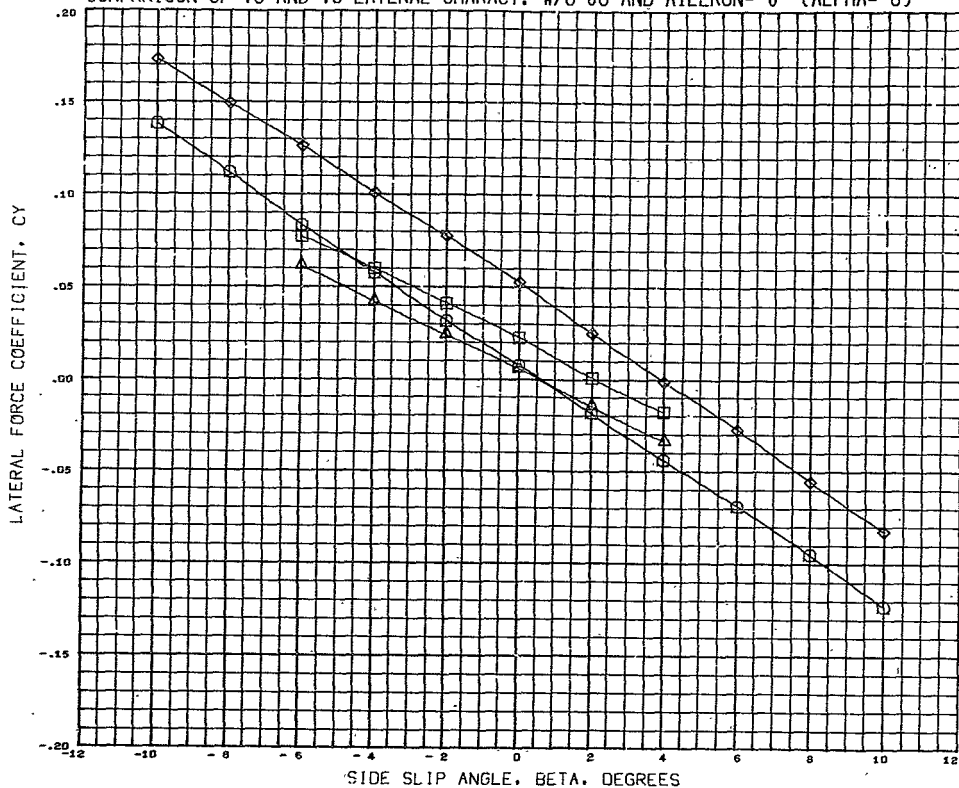


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ061)	○	HCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5V9	4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ093)	△	HCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5V8	4.000	0.000	0.000	0.000	LREF 6.0000 FT.
(BCZ069)	○	HCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5V9	4.000	0.000	0.000	10.000	BREF 6.0000 FT.
(BCZ099)	△	HCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5V8	4.000	0.000	0.000	10.000	XMRP 0.8575 REFL
							YMRP 0.0000 FT.
							ZMRP 0.0100 REFL
							SCALE 0.0300 SCALE

MACH 0.260

COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 8)



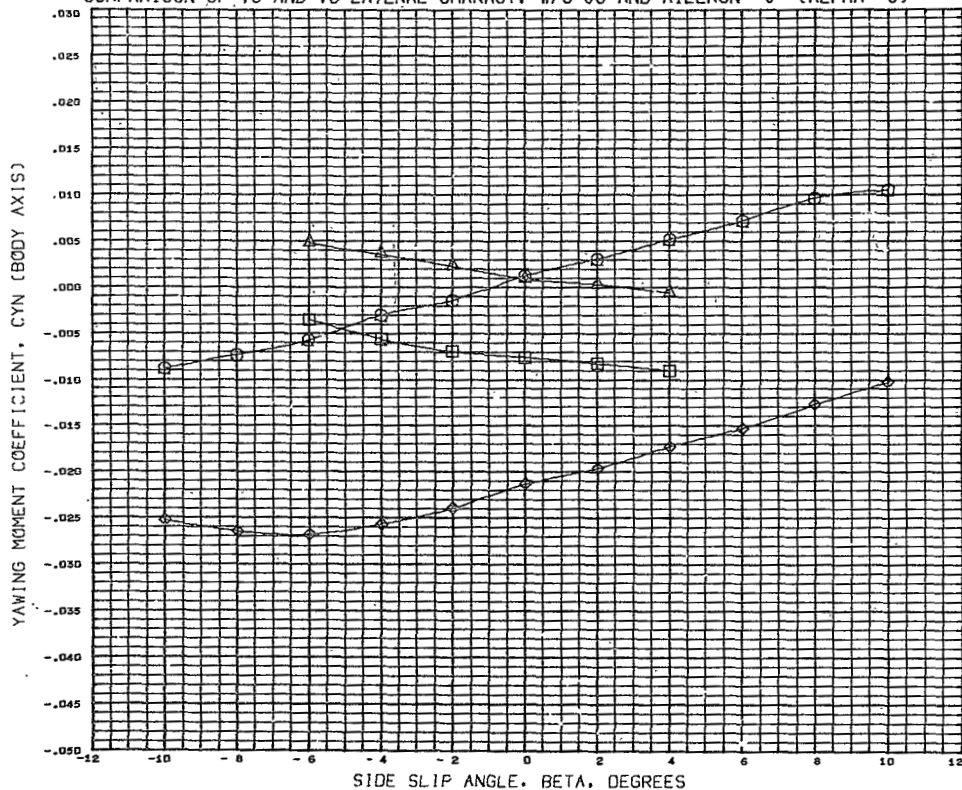
DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BCZ083) HCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9
 (BCZ094) HCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8
 (BCZ091) HCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9
 (BCZ100) HCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
8.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
8.000	0.000	0.000	0.000	LREF	8.0000 FT.
8.000	0.000	0.000	10.000	BREF	6.0000 FT.
8.000	0.000	0.000	10.000	XMRP	0.8575 REFL
				YMRP	0.0000 FT.
				ZMRP	0.0100 REFL
				SCALE	0.0000 SCALE

MACH 0.260

COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 8)



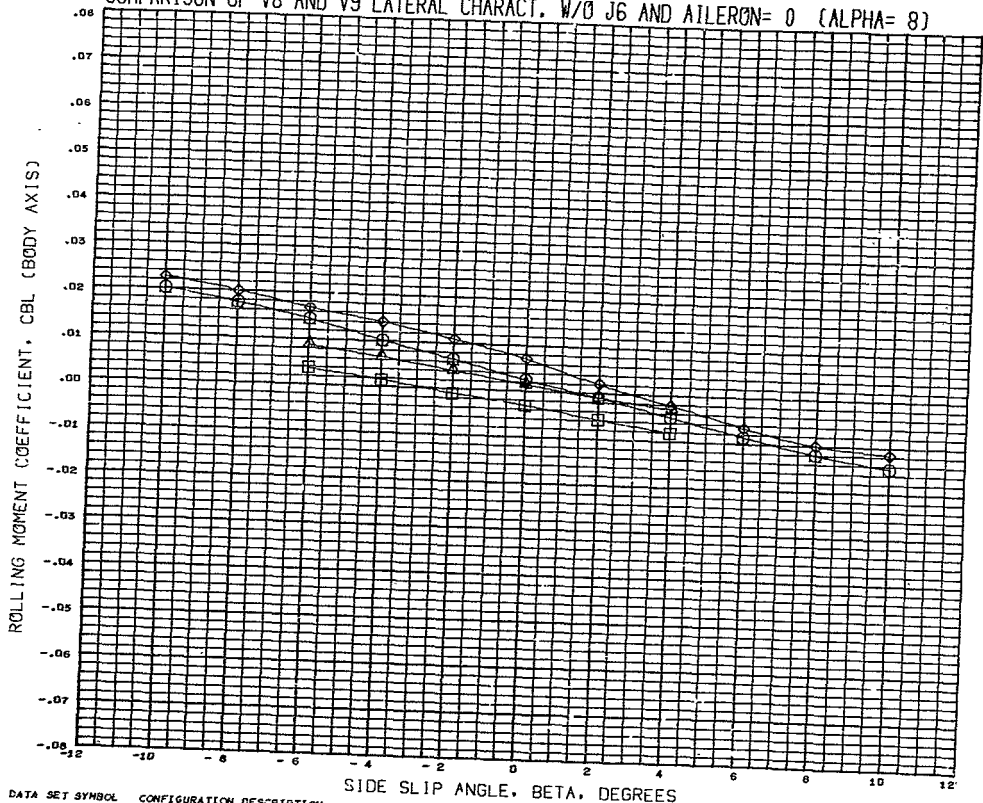
DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BC2083) HCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5V8
 (BC2094) HCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5V8
 (BC2091) HCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5V8
 (BC2100) HCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5V8

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
8.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
8.000	0.000	0.000	0.000	LREF 6.0000 FT.
8.000	0.000	0.000	10.000	BREF 6.0000 FT.
8.000	0.000	0.000	10.000	XNRP 0.8575 REFL
				YNRP 0.0000 FT.
				ZNRP 0.0100 REFL
				SCALE 0.0300 SCALE

MACH 0.360

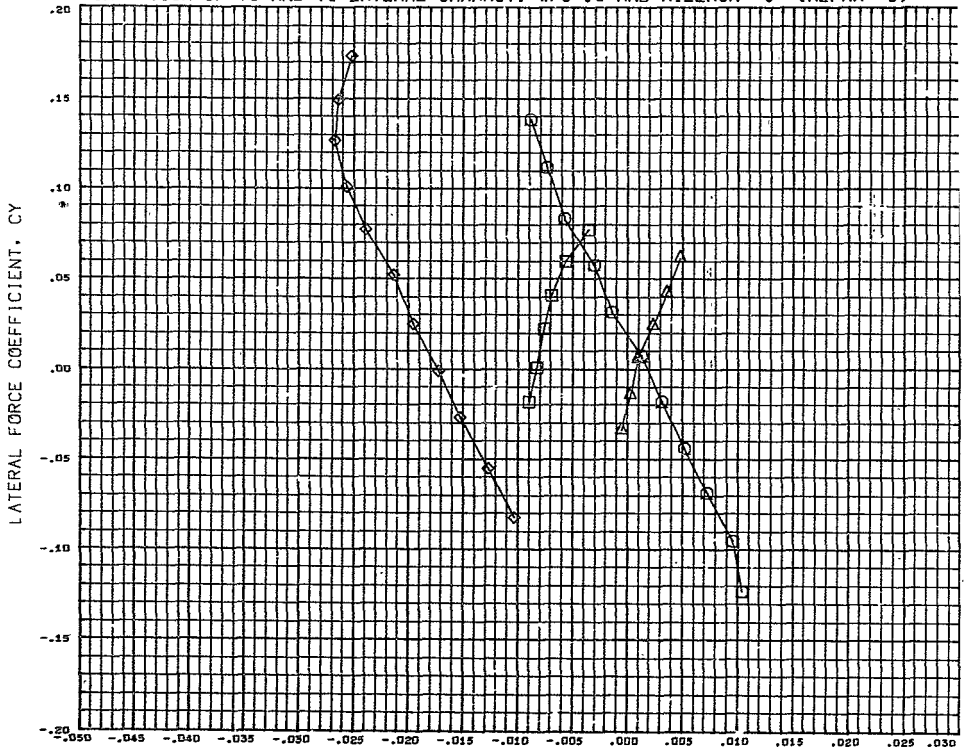
COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 8)



DATA SET SYMBOL		CONFIGURATION DESCRIPTION		SIDE SLIP ANGLE, BETA, DEGREES					
(8CZ083)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST 83N11W5V9	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION			
(8CZ084)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST 83N11W5V9	8.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT		
(8CZ085)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST 83N11W5V9	8.000	0.000	0.000	0.000	LREF	6.0000 FT.		
(8CZ091)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST 83N11W5V9	8.000	0.000	0.000	10.000	BREF	8.0000 FT.		
(8CZ100)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST 83N11W5V9	8.000	0.000	0.000	10.000	XMRP	0.0375 REFL		
						YMRP	0.0000 FT.		
						ZMRP	0.0100 REFL		
						SCALE	0.0300 SCALE		
MACH	0.269								

MACH 0.265

COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 8)

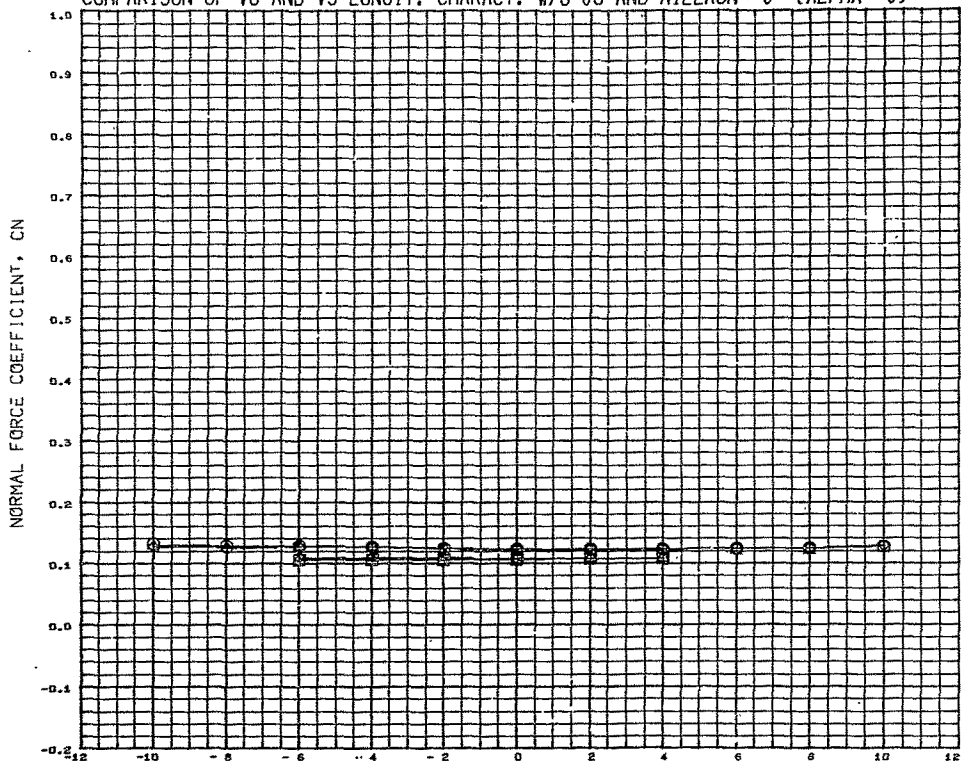


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION		
(BCZ003)	○	MCAIR LSWT 256 3.0PCT MDAC/MHC BOOST B3N11W5V9	8.000	0.000	0.000	0.000	SREF	9.0000	SQ. FT
(BCZ004)	□	MCAIR LSWT 256 3.0PCT MDAC/MHC BOOST B3N11W5V8	8.000	0.000	0.000	0.000	LREF	6.0000	FT.
(BCZ001)	△	MCAIR LSWT 256 3.0PCT MDAC/MHC BOOST B3N11W5V9	8.000	0.000	0.000	10.000	BREF	6.0000	FT.
(BCZ100)	◇	MCAIR LSWT 256 3.0PCT MDAC/MHC BOOST B3N11W5V8	8.000	0.000	0.000	10.000	YMRP	0.6576	REFL
							YMRP	0.0000	FT.
							ZMRP	0.0100	REFL
							SCALE	0.0300	SCALE

MACH 0.260

COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 0)

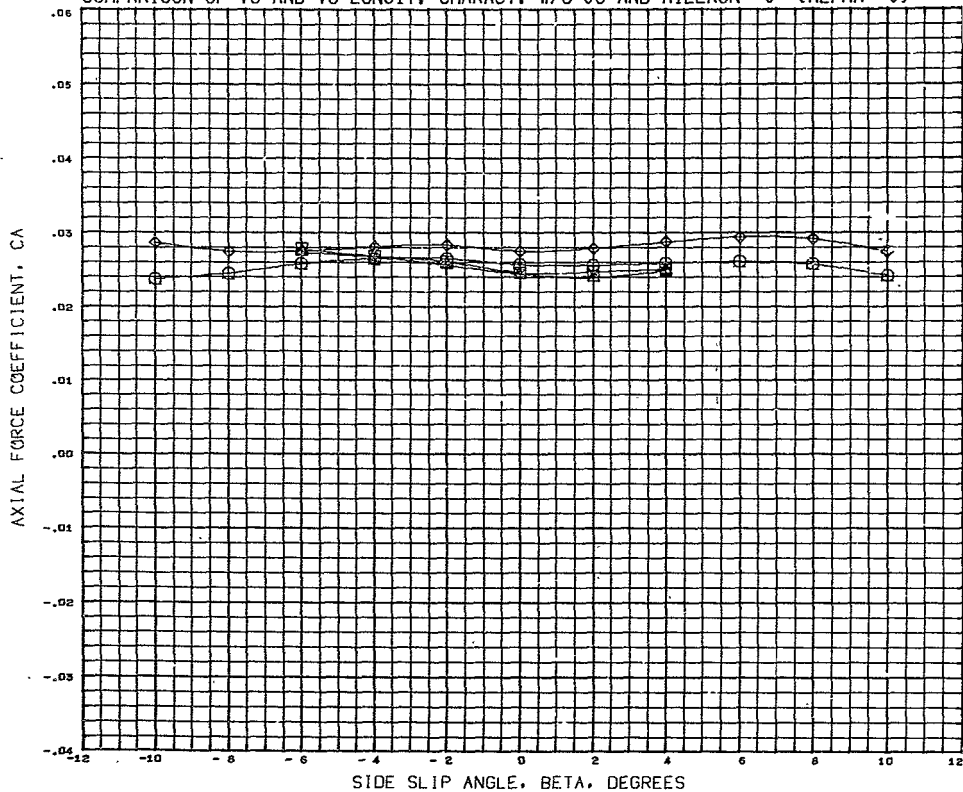


SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BC2080)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BC2092)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8	0.000	0.000	0.000	0.000	LREF 6.0000 FT.
(BC2088)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	10.000	BREF 6.0000 FT.
(BC2098)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8	0.000	0.000	0.000	10.000	YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

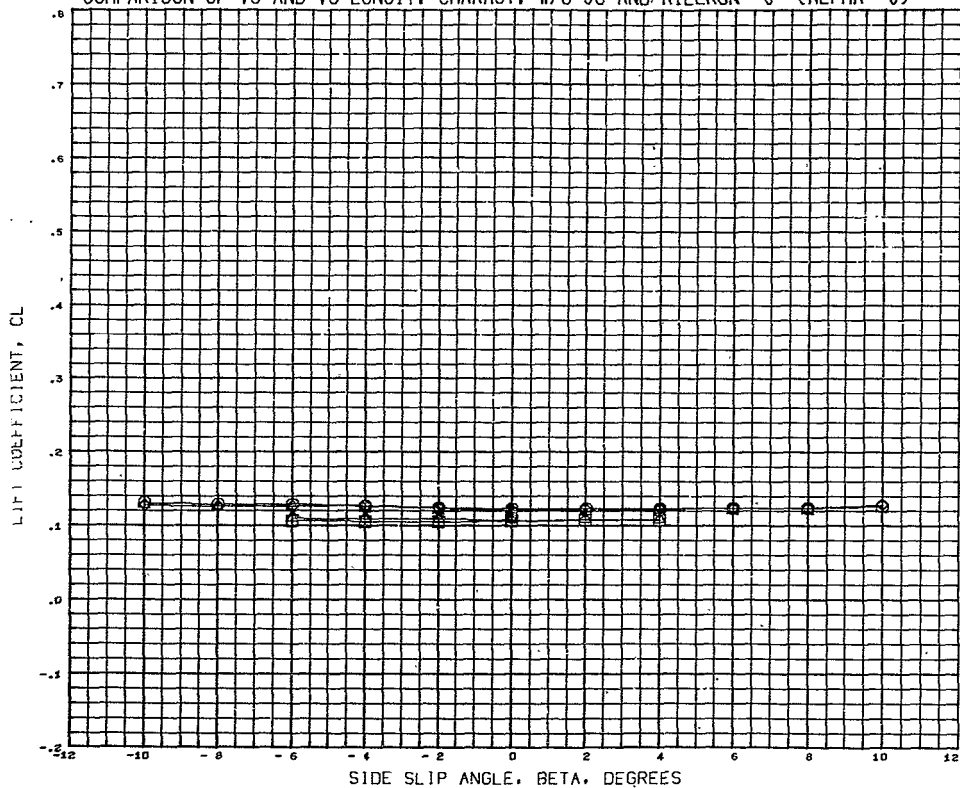
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ080)	HCAIR LSWT 258 3.0PCT HDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ092)	HCAIR LSWT 258 3.0PCT HDAC/MHC BOOST B3N11W5V8	0.000	0.000	0.000	0.000	LREF 6.0000 FT.
(BCZ098)	HCAIR LSWT 258 3.0PCT HDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	10.000	BREF 6.0000 FT.
(BCZ099)	HCAIR LSWT 258 3.0PCT HDAC/MHC BOOST B3N11W5V8	0.000	0.000	0.000	10.000	XMRP 0.8575 REFL
						TMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.250

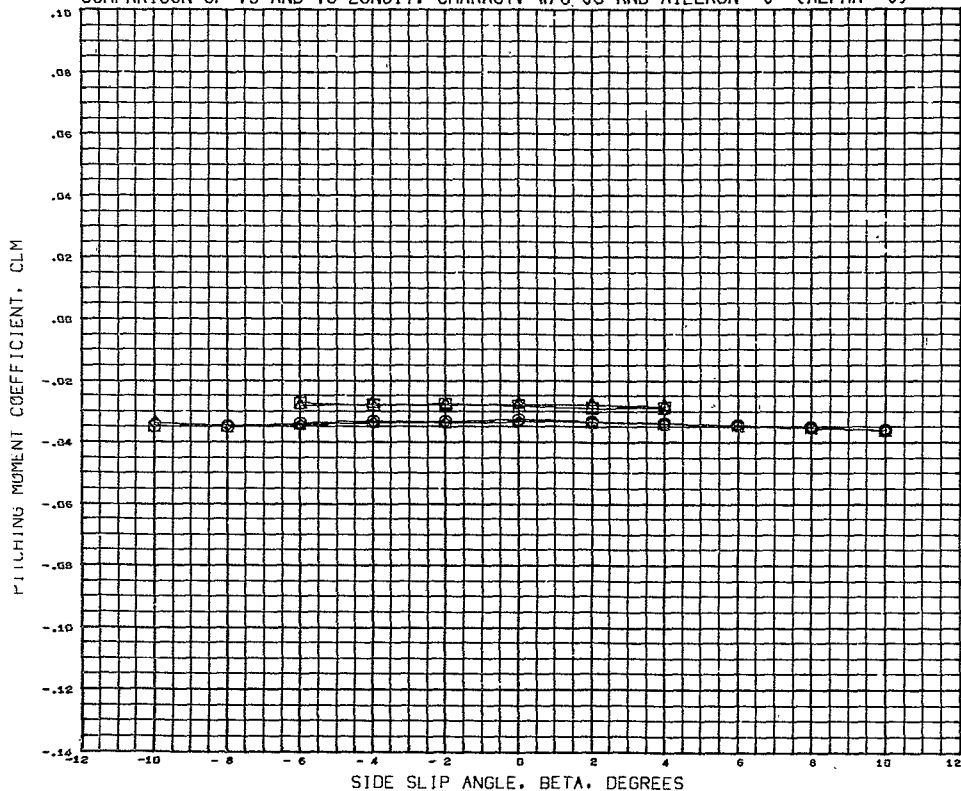
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
ACZ080	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11WSV9	0.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
ACZ092	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11WSV8	0.000	0.000	0.000	0.000	LREF 6.0000 FT.
ACZ088	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11WSV9	0.000	0.000	0.000	10.000	BREF 6.0000 FT.
ACZ098	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11WSV8	0.000	0.000	0.000	10.000	YMRP 0.8875 REFL
						YMRP 0.9250 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.266

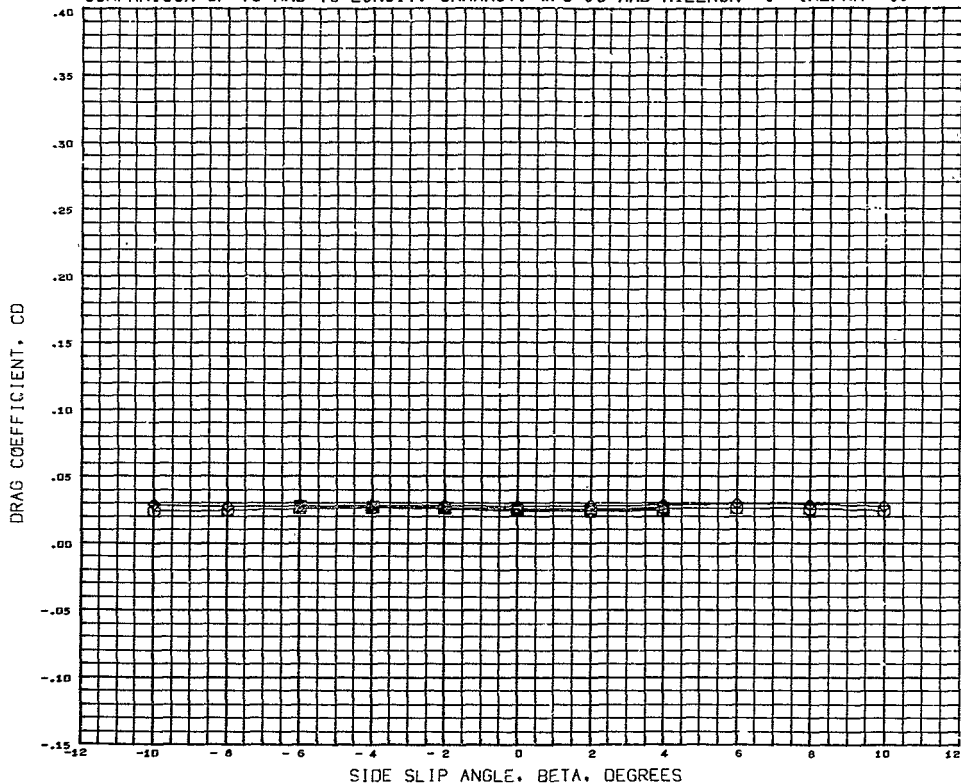
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILERON	RUDDER	REFERENCE INFORMATION
(ACZ080)	HCAIR LSMT 258 3.DPCT MDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(ACZ092)	HCAIR LSMT 258 3.DPCT MDAC/MHC BOOST B3N11W5V8	0.000	0.000	0.000	0.000	LREF 6.0000 FT.
(ACZ088)	HCAIR LSMT 258 3.DPCT MDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	10.000	BREF 6.0000 FT.
(ACZ098)	HCAIR LSMT 258 3.DPCT MDAC/MHC BOOST B3N11W5V8	0.000	0.000	0.000	10.000	XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

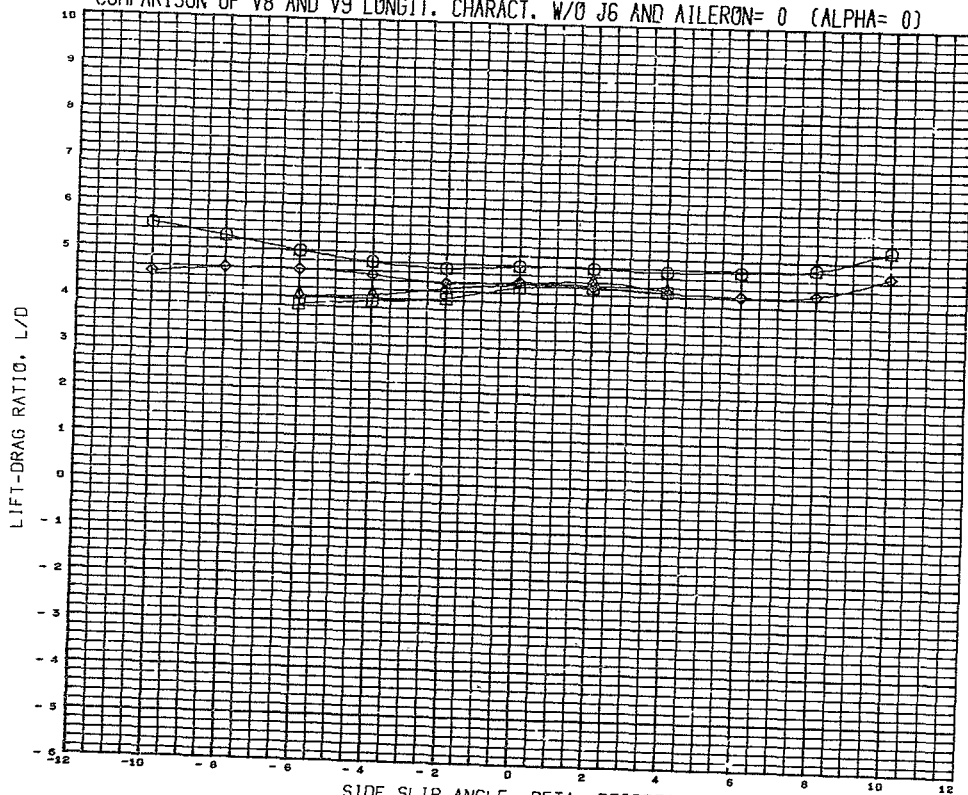
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ080)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	SREF	9.0000' SQ. FT
(ACZ092)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5V8	0.000	0.000	0.000	0.000	LREF	6.0000' FT.
(ACZ088)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5V9	0.000	0.000	0.000	10.000	BREF	6.0000' FT.
(ACZ098)	MCAIR LSWT 258 3.0PCT MDAC/HMC BOOST B3N11W5V8	0.000	0.000	0.000	10.000	XMRP	0.8775 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

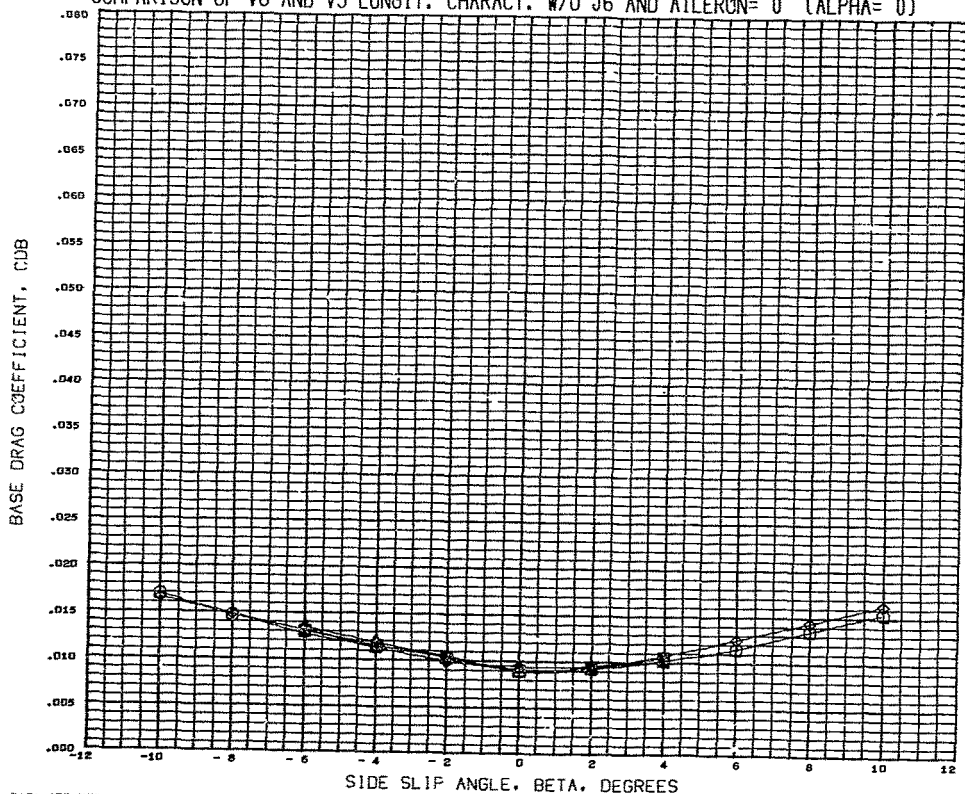
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 0)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ080)	○	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	0.000	SREF 9.0000 50. FT
(ACZ092)	△	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8	0.000	0.000	0.000	0.000	LREF 6.0000 FT.
(ACZ086)	◇	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	0.000	0.000	0.000	10.000	BREF 6.00'0 FT.
(ACZ098)	□	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8	0.000	0.000	0.000	10.000	YMRP 0.8575 REFL
							ZMRP 0.0000 FT.
							SCALE 0.0100 REFL
							SCALE

MACH 0.260

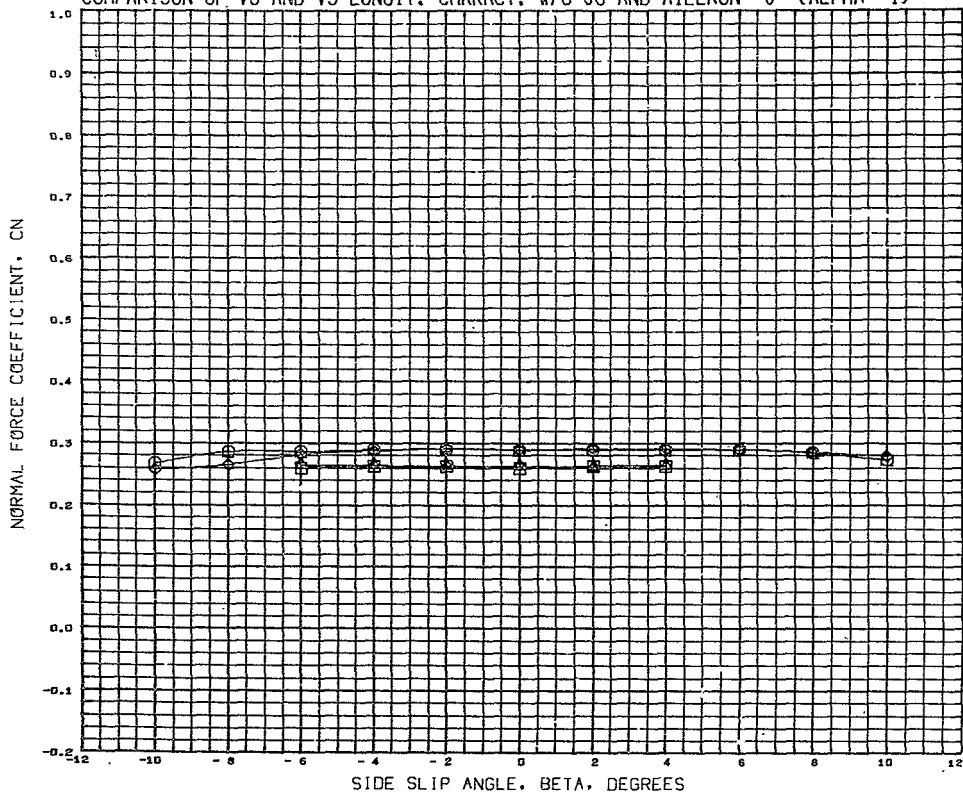
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ08D)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11WSV8	0.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(ACZ09D)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11WSV8	0.000	0.000	0.000	0.000	LREF 6.0000 FT.
(ACZ08E)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11WSV8	0.000	0.000	0.000	10.000	BREF 4.0000 FT.
(ACZ09E)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11WSV8	0.000	0.000	0.000	10.000	XNRP 0.8575 REFL
						YNRP 0.0000 FT.
						ZNRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

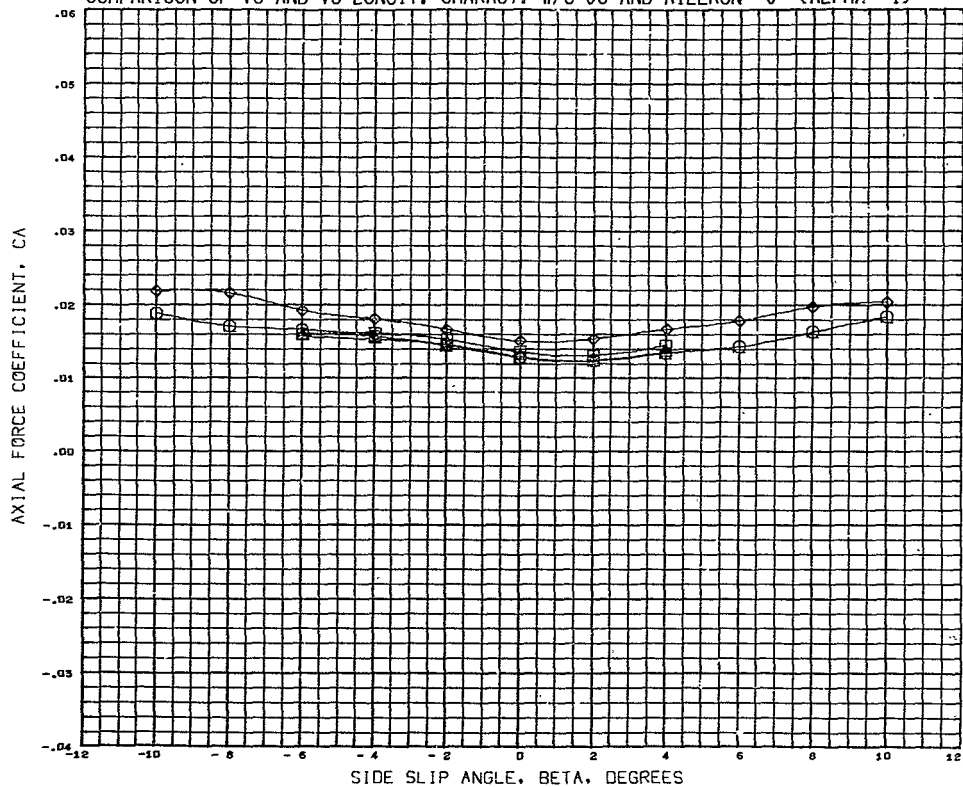
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BC2081)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BC2083)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8	4.000	0.000	0.000	0.000	LREF 8.0000 FT.
(BC2089)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	10.000	BREF 0.0000 FT.
(BC2099)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8	4.000	0.000	0.000	10.000	XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0500 SCALE

MACH 0.260

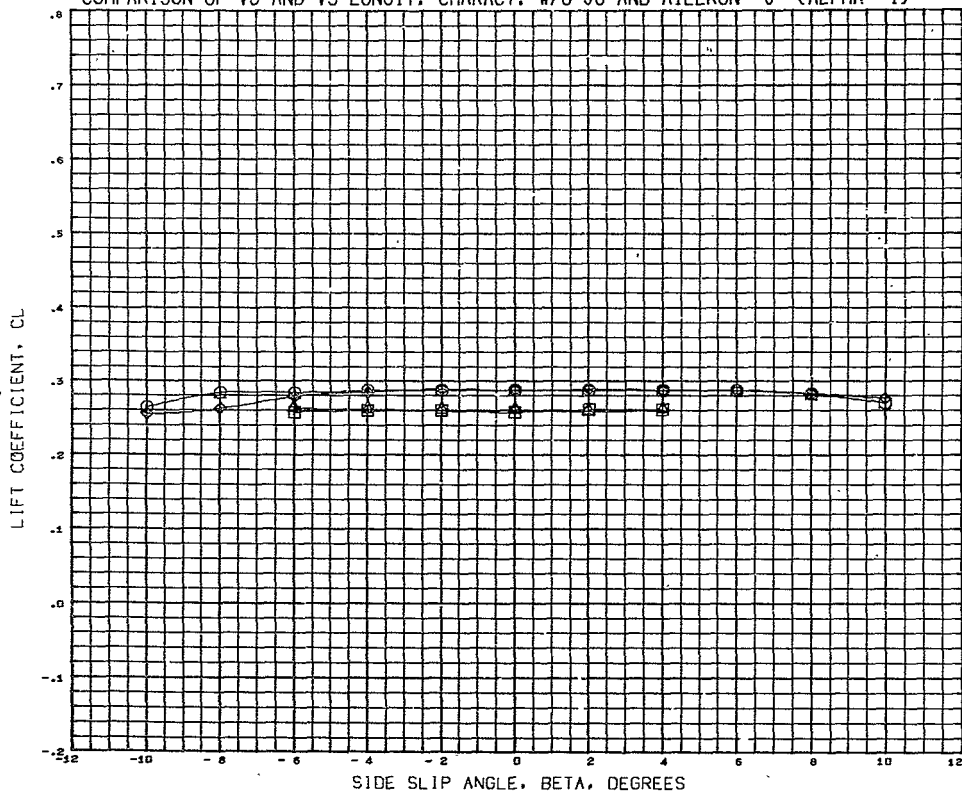
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZD81)	MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WSV9	4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(BCZD93)	MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WSV9	4.000	0.000	0.000	0.000	LREF	6.0001 FT.
(BCZD89)	MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WSV9	4.000	0.000	0.000	10.000	BREF	6.0000 FT.
(BCZD99)	MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WSV8	4.000	0.000	0.000	10.000	XMRP	0.6575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

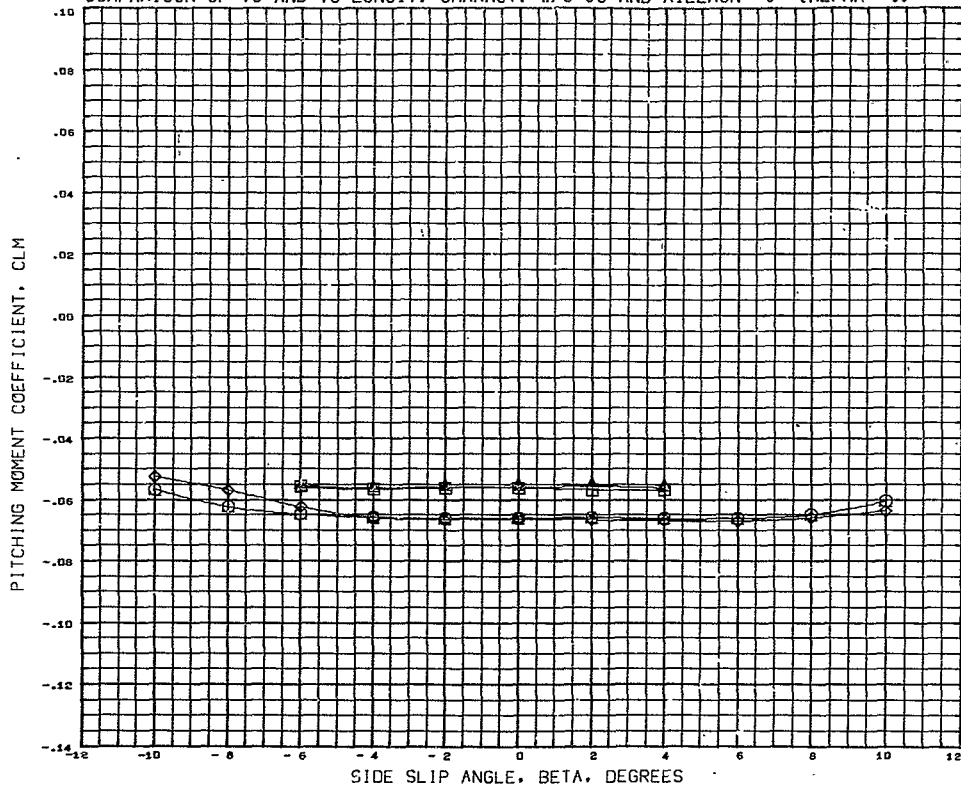
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ081)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(ACZ093)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8	4.000	0.000	0.000	0.000	LREF 6.0000 FT.
(ACZ089)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	10.000	SREF 6.0000 FT.
(ACZ099)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8	4.000	0.000	0.000	10.000	XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

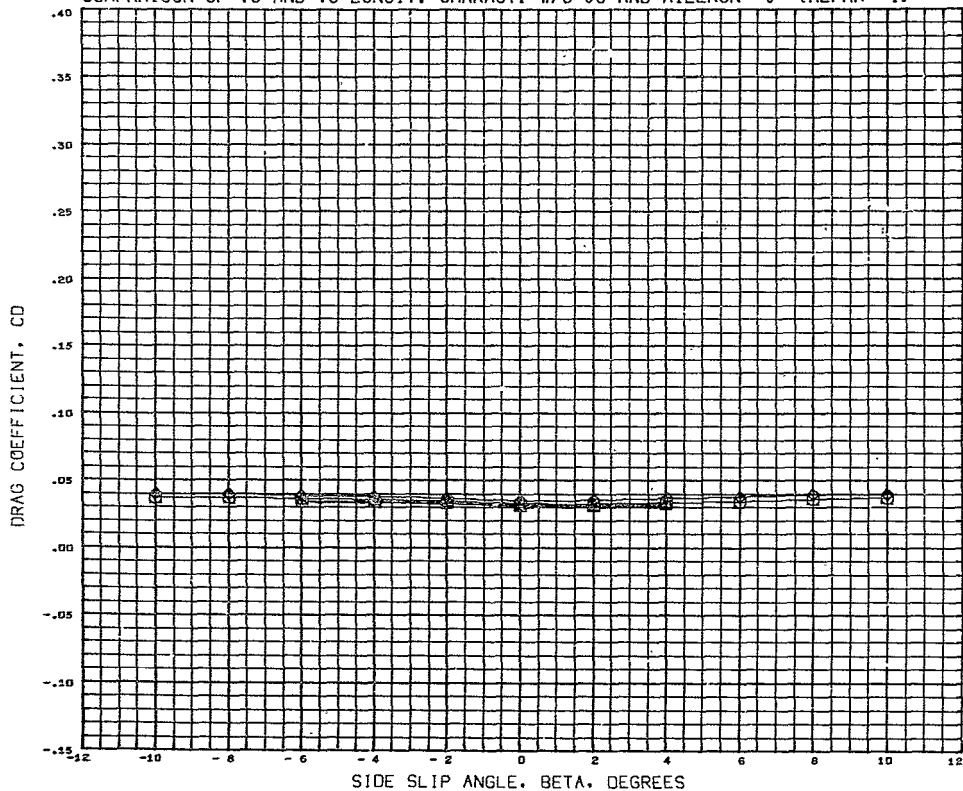
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ091)	HCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11WSV9	4.000	0.000	0.000	0.000	SREF 9.0000 SG, FT
(ACZ093)	HCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11WSV8	4.000	0.000	0.000	0.000	LREF 6.0000 FT.
(ACZ099)	HCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11WSV9	4.000	0.000	0.000	10.000	BREF 6.0000 FT.
(ACZ099)	HCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11WSV8	4.000	0.000	0.000	10.000	XMRP 0.0575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

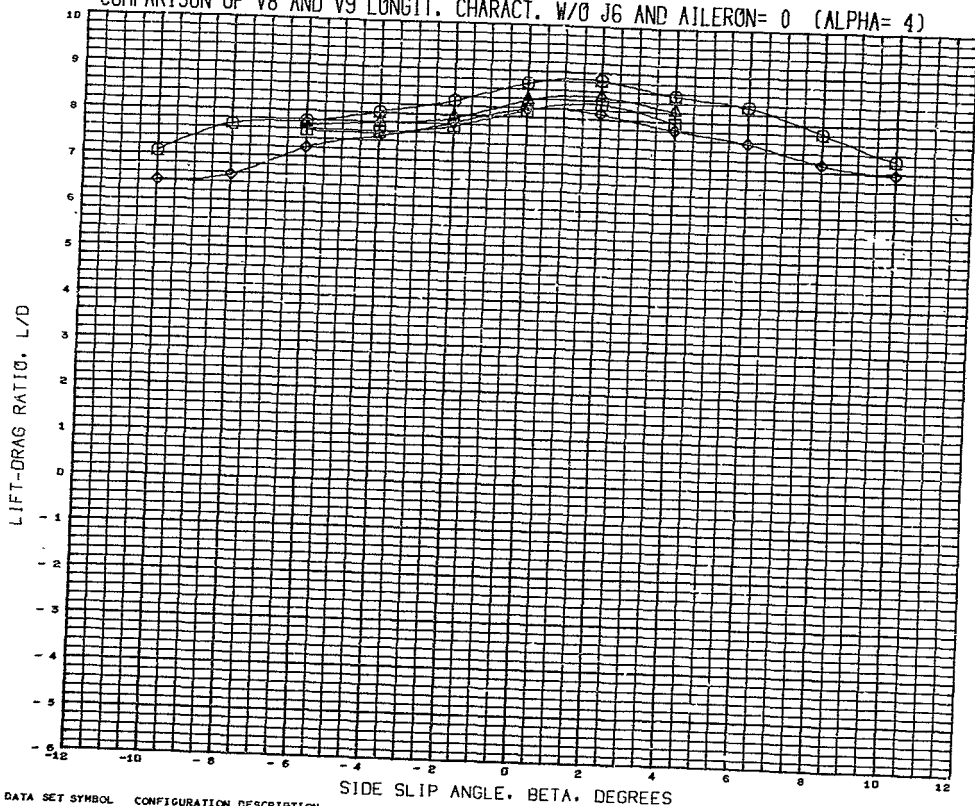
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ081)	NCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(ACZ093)	NCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8	4.000	0.000	0.000	0.000	LREF	6.0000 FT.
(ACZ089)	NCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	0.000	10.000	BREF	6.0000 FT.
(ACZ099)	NCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8	4.000	0.000	0.000	10.000	WHRP	0.0575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 4)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

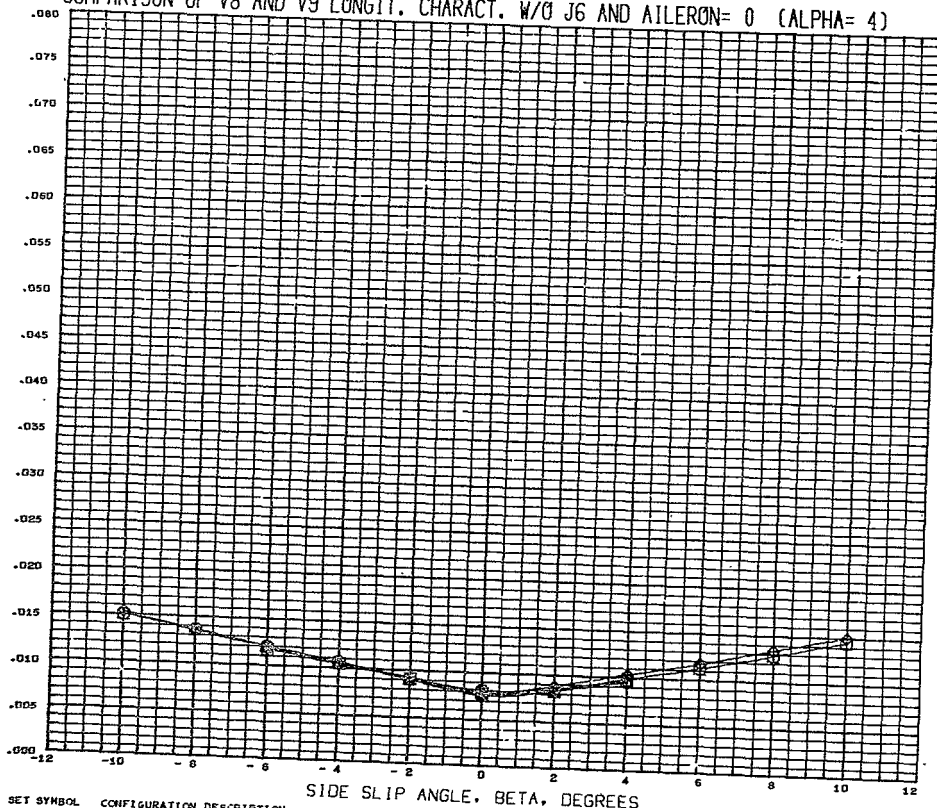
(ACZ081) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9
 (ACZ093) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8
 (ACZ089) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9
 (ACZ099) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
4.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
4.000	0.000	0.000	0.000	LREF 6.0000 FT.
4.000	0.000	0.000	10.000	XRFP 0.0000 REFL
4.000	0.000	0.000	10.000	YHRP 0.0000 FT.
4.000	0.000	0.000	10.000	ZHRP 0.0000 REFL
4.000	0.000	0.000	10.000	SCALE 0.0300 SCALE

MACH 0.260

COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 4)

BASE DRAG COEFFICIENT, COB



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZD81)	○	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9
(ACZD93)	◇	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8
(ACZD89)	◇	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8
(ACZD99)	◇	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8

MACH 0.260

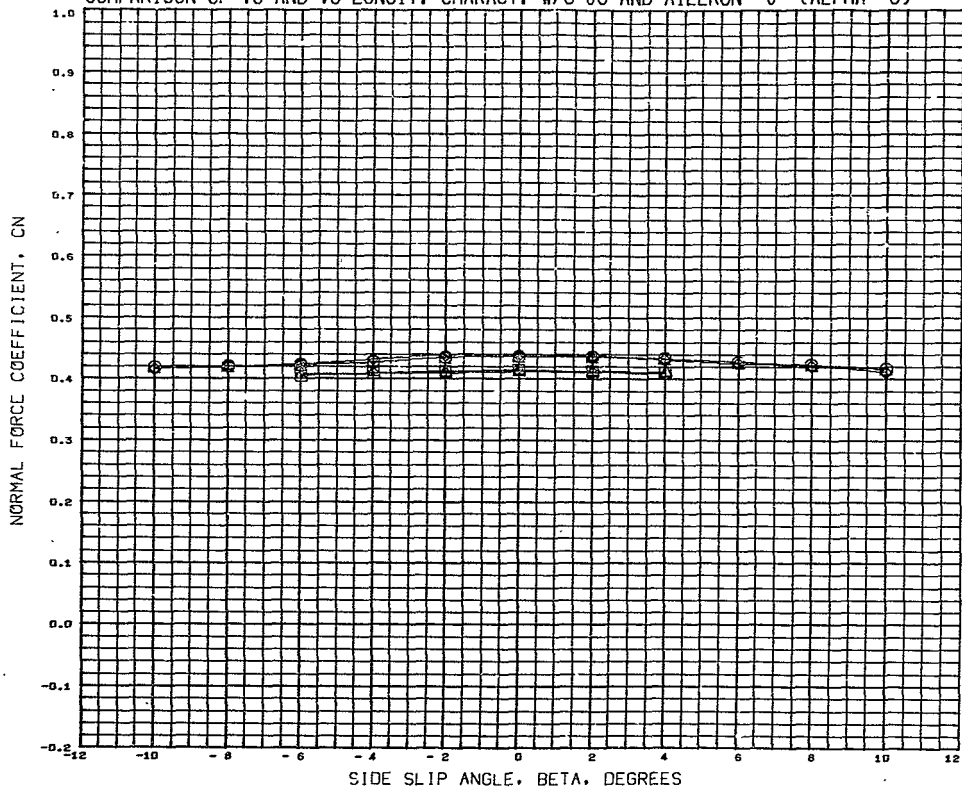
SIDE SLIP ANGLE, BETA, DEGREES

ALPHA	ELEVON	AILRON	RUDDER
4.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000
4.000	0.000	0.000	0.000

REFERENCE INFORMATION

SREF	9.0000	SG. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
ZMRP	0.0000	FT.
YMRP	0.0000	FT.
ZMRP	0.0100	REFL
SCALE	0.0300	SCALE

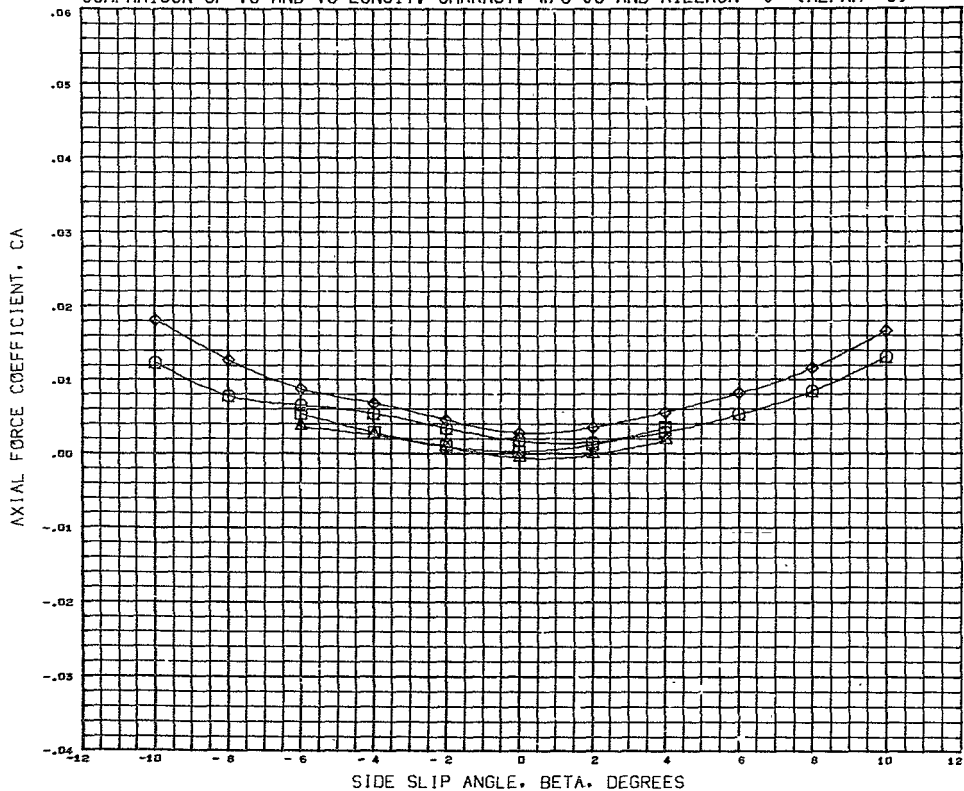
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 8)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ083)	⊗	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	8.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ094)	⊙	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8	8.000	0.000	0.000	0.000	LREF 6.0000 FT.
(BCZ091)	⊠	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	8.000	0.000	0.000	10.000	BREF 6.0000 FT.
(BCZ100)	⊡	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8	8.000	0.000	0.000	10.000	XNRP 0.8575 REFL
							YNRP 0.0000 FT.
							ZWRP 0.0100 REFL
							SCALE 0.0300 SCALE

MACH 0.260

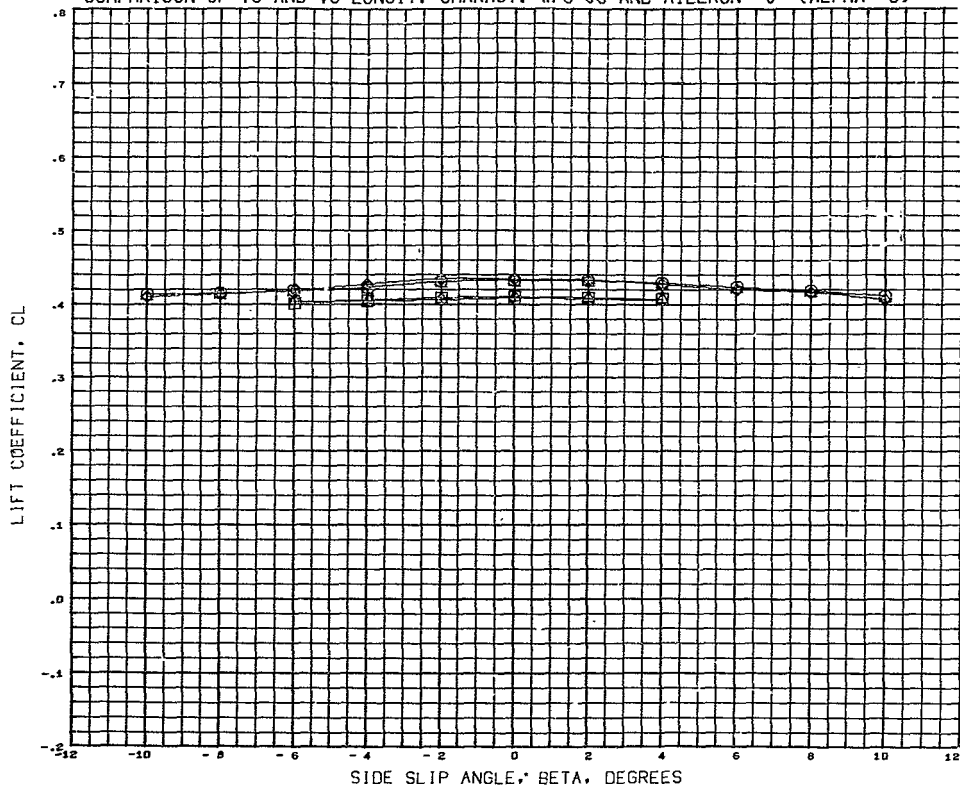
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZ003)	HCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11WSV9	8.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(BCZ004)	HCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11WSV8	8.000	0.000	0.000	0.000	LREF 6.0000 FT.
(BCZ001)	HCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11WSV9	8.000	0.000	0.000	10.000	BREF 6.0000 FT.
(BCZ100)	HCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11WSV8	8.000	0.000	0.000	10.000	XMRP 0.2575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

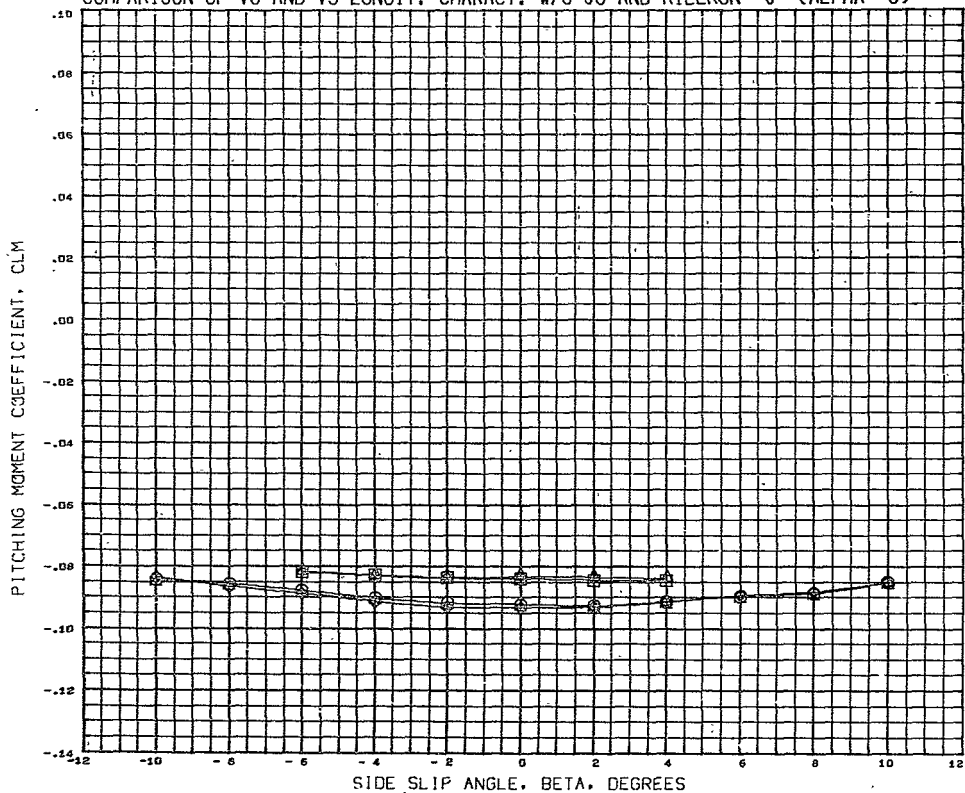
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ083)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11WSV9	8.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(ACZ094)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11WSV8	8.000	0.000	0.000	0.000	LREF	6.0000 FT.
(ACZ091)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11WSV9	8.000	0.000	0.000	10.000	BREF	3.0000 FT.
(ACZ100)	MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11WSV8	8.000	0.000	0.000	10.000	YMRP	0.4575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

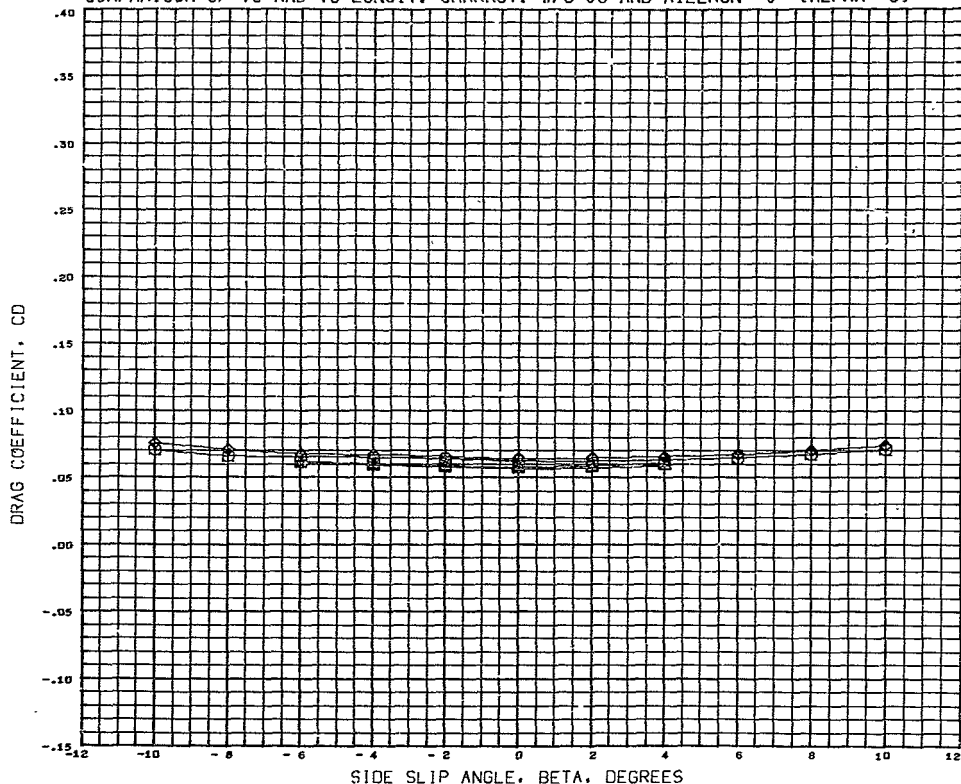
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ083)	HCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5V9	8.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
(ACZ094)	HCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5V8	8.000	0.000	0.000	0.000	LREF 6.0000 FT.
(ACZ091)	HCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5V9	8.000	0.000	0.000	10.000	BREF 4.0000 FT.
(ACZ100)	HCAIR LSMT 258 3.0PCT NDAC/HMC BOOST B3N11W5V8	8.000	0.000	0.000	10.000	XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0000 REFL
						SCALE 0.0300 SCALE

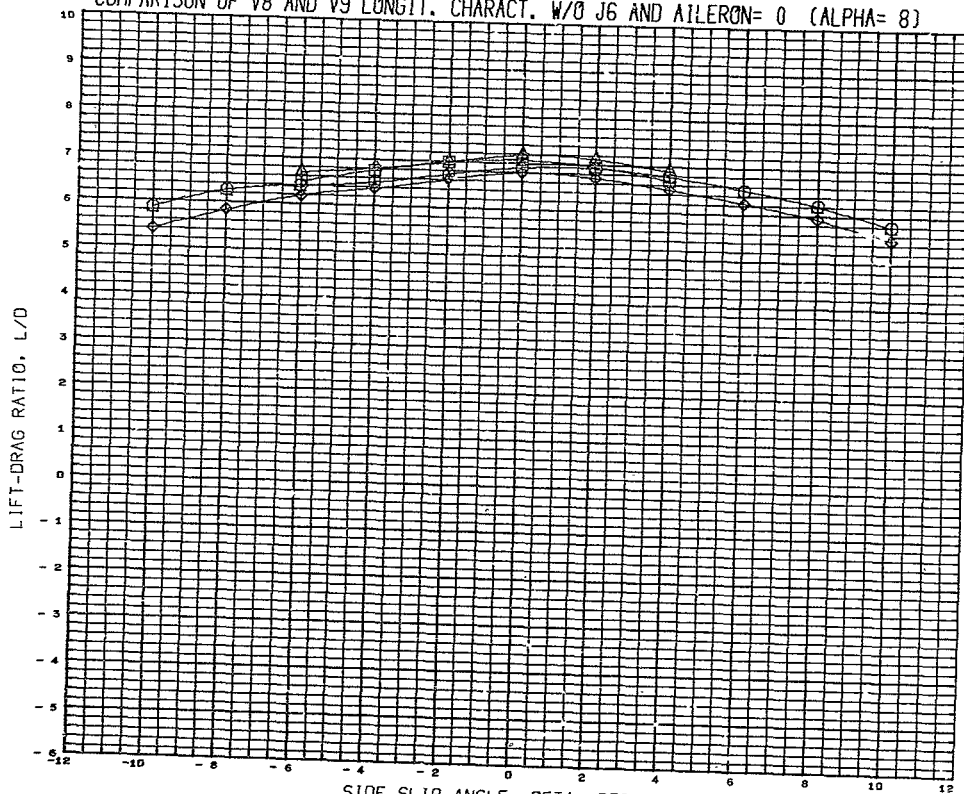
MACH 0.265

COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 8)



DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ083)	○	MCAIR LSMT 256 3.0PCT MDAC/MHC BOOST B3N11W5V9	8.000	0.000	0.000	0.000	SREF	9.0000 SQ. FT
(ACZ094)	△	MCAIR LSMT 256 3.0PCT MDAC/MHC BOOST B3N11W5V8	8.000	0.000	0.000	0.000	LREF	6.0000 FT.
(ACZ091)	◇	MCAIR LSMT 256 3.0PCT MDAC/MHC BOOST B3N11W5V9	8.000	0.000	0.000	10.000	BREF	6.0000 FT.
(ACZ100)	□	MCAIR LSMT 256 3.0PCT MDAC/MHC BOOST B3N11W5V8	8.000	0.000	0.000	10.000	ZMRP	0.8575 REFL
							YMRP	0.0000 FT.
							ZMRP	0.0100 REFL
							SCALE	0.0300 SCALE
MACH		0.260						

COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 8)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

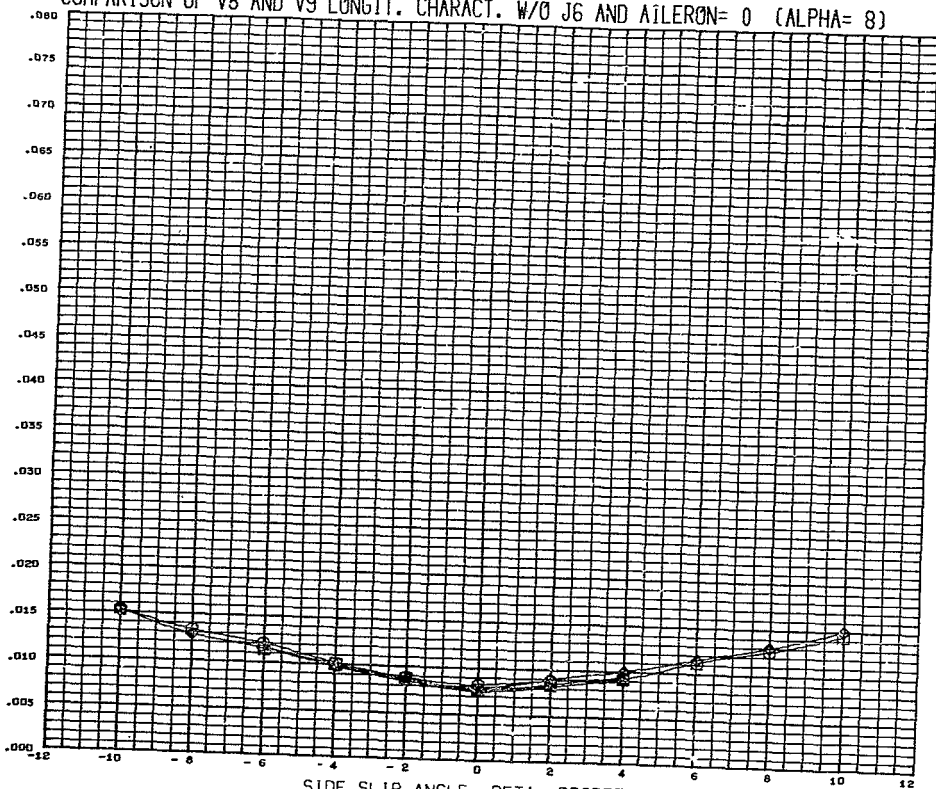
(AC2063)	○	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5V9
(AC2094)	△	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5V8
(AC2091)	×	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5V9
(AC2100)	□	MCAIR LSMT 258 3.0PCT NDAC/MHC BOOST B3N11W5V8

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
8.000	0.000	0.000	0.000	SREF 9.0000 SQ. FT
8.000	0.000	0.000	0.000	LREF 6.0010 FT.
8.000	0.000	0.000	10.000	BREF 5.0000 FT.
				XMRP 0.8578 REFL
				YMRP 0.0000 FT.
				ZMRP 0.0100 REFL
				SCALE 0.0300 SCALE

MACH 0.26L

COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON= 0 (ALPHA= 8)

BASE DRAG COEFFICIENT, CDB



SIDE SLIP ANGLE, BETA, DEGREES

DATA SET SYMBOL

CONFIGURATION DESCRIPTION

(ACZ003)
(ACZ094)
(ACZ091)
(ACZ100)

○
△
◇
□

NCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5V9
NCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5V8
NCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5V9
NCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5V8

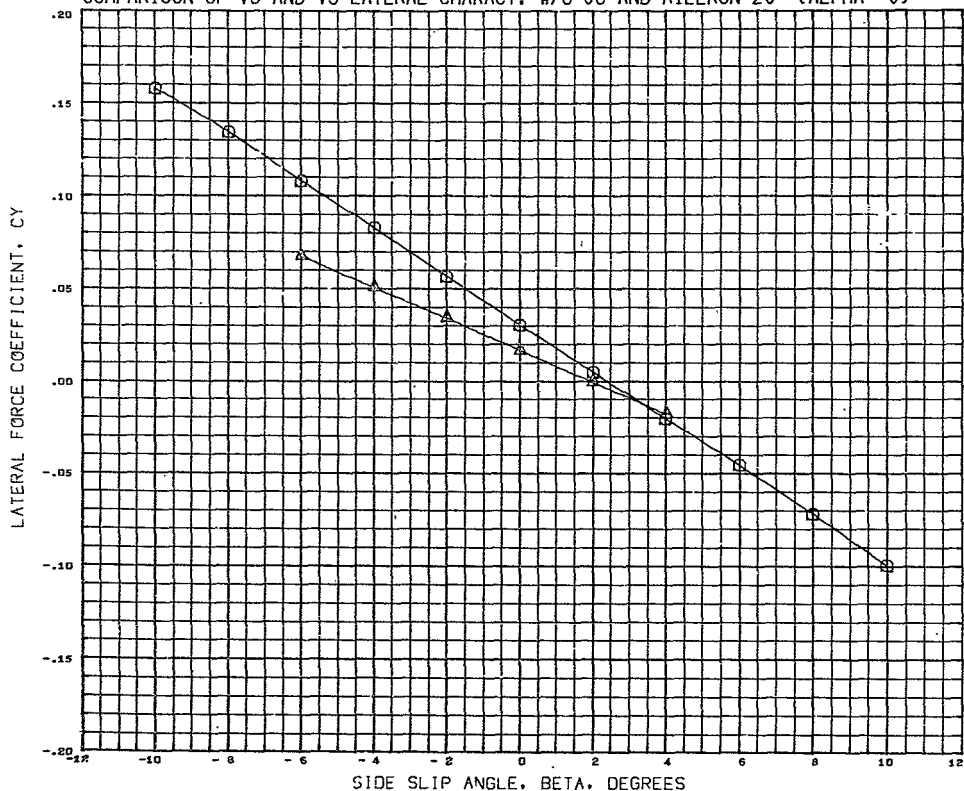
ALPHA	ELEVON	AILRON	RUDDER
8.000	0.000	0.000	0.000
8.000	0.000	0.000	0.000
8.000	0.000	0.000	10.000
8.000	0.000	0.000	10.000

REFERENCE INFORMATION

SREF	9.0000	SQ. FT
LREF	8.0000	FT.
BREF	0.0000	FT.
XMRP	0.6575	REFL
YMRP	0.0000	FT.
ZMRP	0.0100	NEPL
SCALE	0.0300	SCALE

MACH 0.260

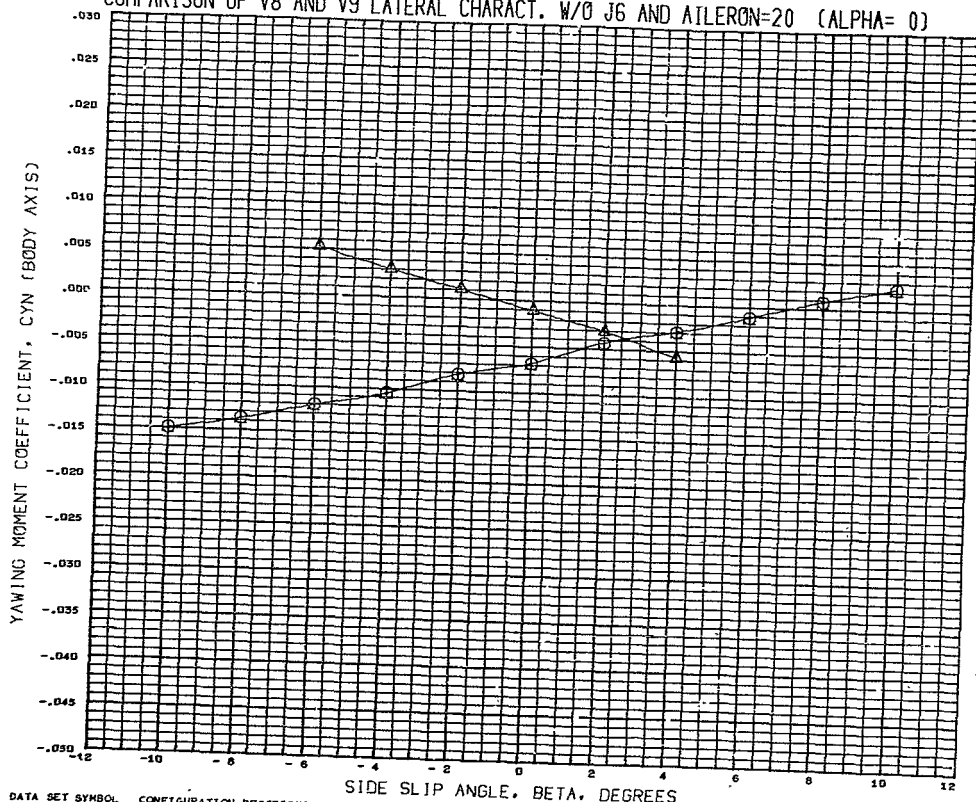
COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON=20 (ALPHA= 0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BC2084)	HCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	0.000	0.000	20.000	0.000	SREF 9.0000 SQ. FT
(BC2095)	HCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8	0.000	0.000	20.000	0.000	LREF 6.0000 FT.
						BREF 6.0000 FT.
						XMRP 0.0575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.200

COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON=20 (ALPHA= 0)



DATA SET SYMBOL
(BCZD84)
(BCZD99)



CONFIGURATION DESCRIPTION

MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N1M5V9
MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N1M5V8

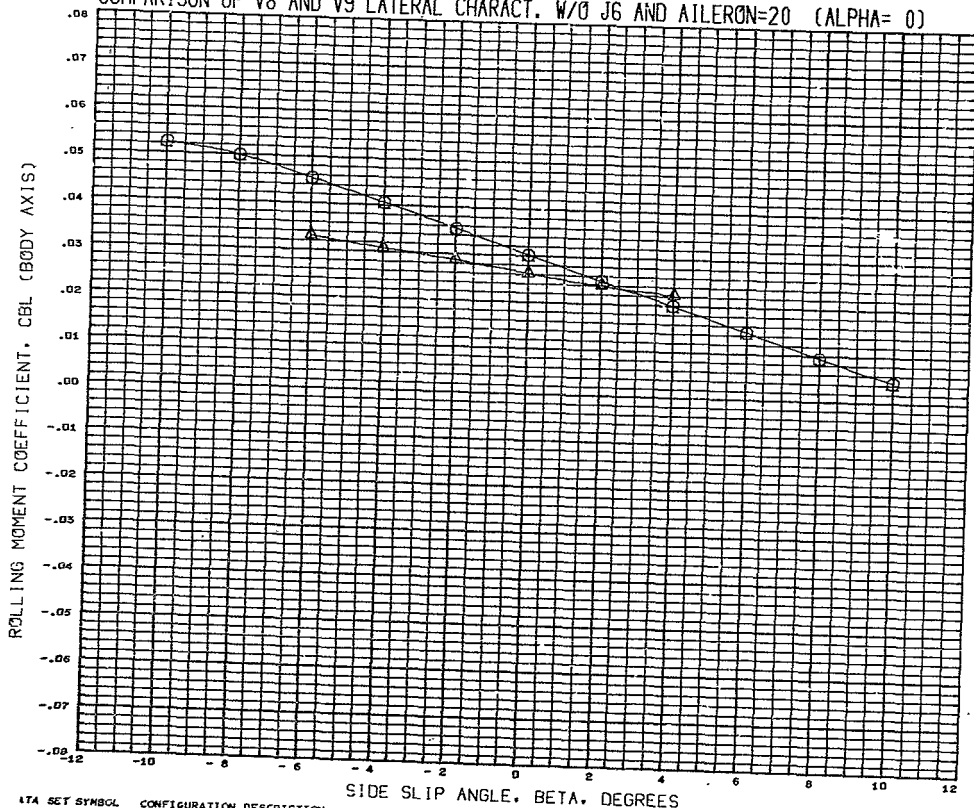
ALPHA	ELEVON	AILRON	RUDDER
0.000	0.000	20.000	0.000
0.000	0.000	20.000	0.000

REFERENCE INFORMATION

SREF	9.0000	50. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
YMRP	0.8375	REFL
ZMRP	0.0000	FT.
SCALE	0.0100	REFL
SCALE	0.0300	SCALE

MACH 0.260

COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON=20 (ALPHA= 0)



ATA SET SYMBOL CONFIGURATION DESCRIPTION

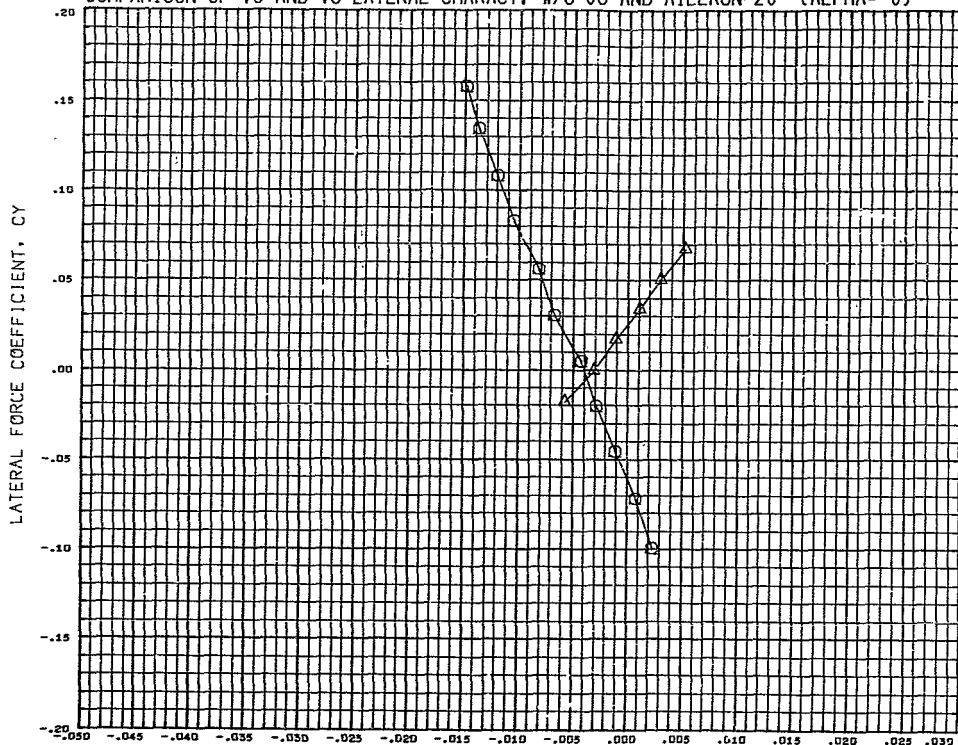
3C2084) HCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WSV9
 3C2095) HCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WSV8

ALPHA	ELEVON	AILRON	RUDDER
0.000	0.000	20.000	0.000
0.000	0.000	20.000	0.000

REFERENCE INFORMATION	
SREF	9.0000 SQ. FT
LREF	6.0000 FT.
BREF	6.0000 FT.
XMRP	0.8575 REFL
YMRP	0.0000 FT.
ZMRP	0.0100 REFL
SCALE	0.0300 SCALE

MACH 0.260

COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON=20 (ALPHA= 0)

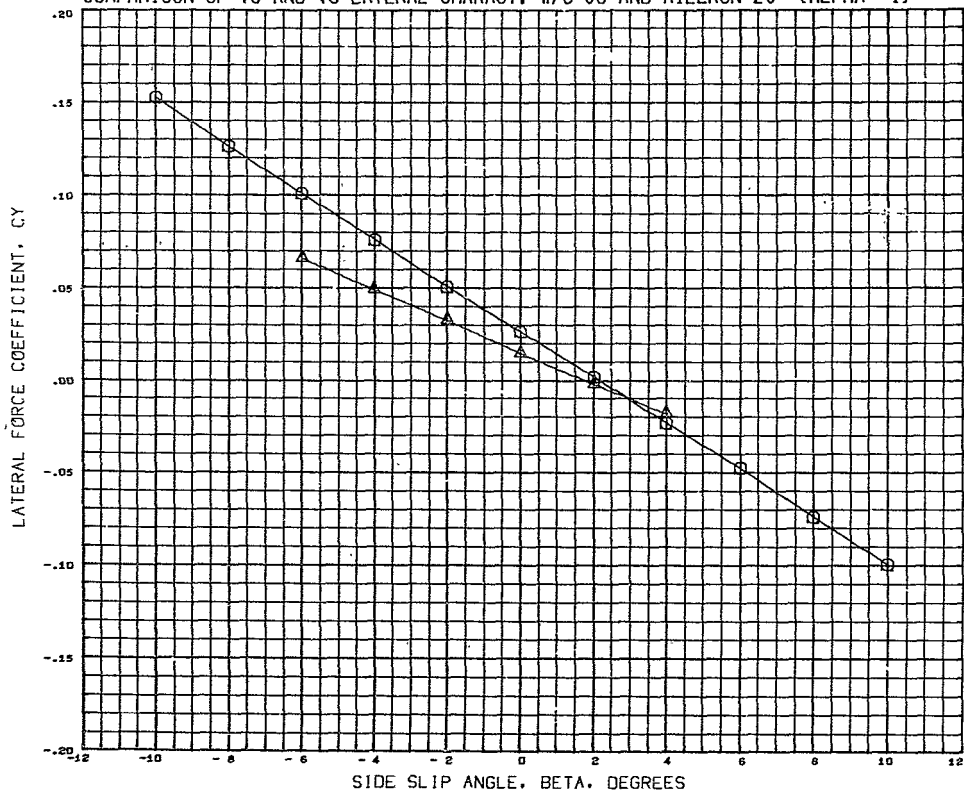


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILERON	RUDDER	REFERENCE INFORMATION	
(BCZ084)	⊗ MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11M5V8	0.005	0.000	20.000	0.000	SREF	9.0000 Sq. FT
(BCZ095)	△ MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11M5V8	0.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	5.0000 FT.
						XMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0000 REFL
						SCALE	0.0300 SCALE

MACH 0.260

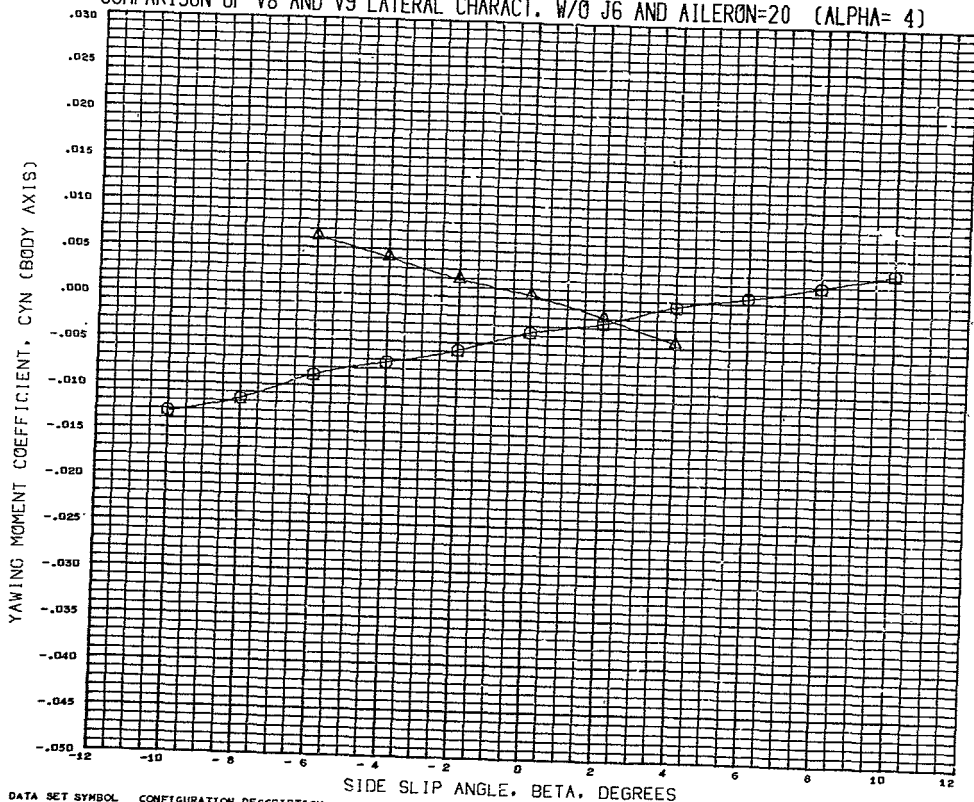
COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON=20 (ALPHA= 4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(8CZ085)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST 83N11W5V9	4.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
(8CZ096)	MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST 83N11W5V8	4.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	6.0000 FT.
						VMRP	0.8775 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON=20 (ALPHA= 4)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BC2065) Δ MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WSV8
 (BC2096) $\circ$ MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WSV8

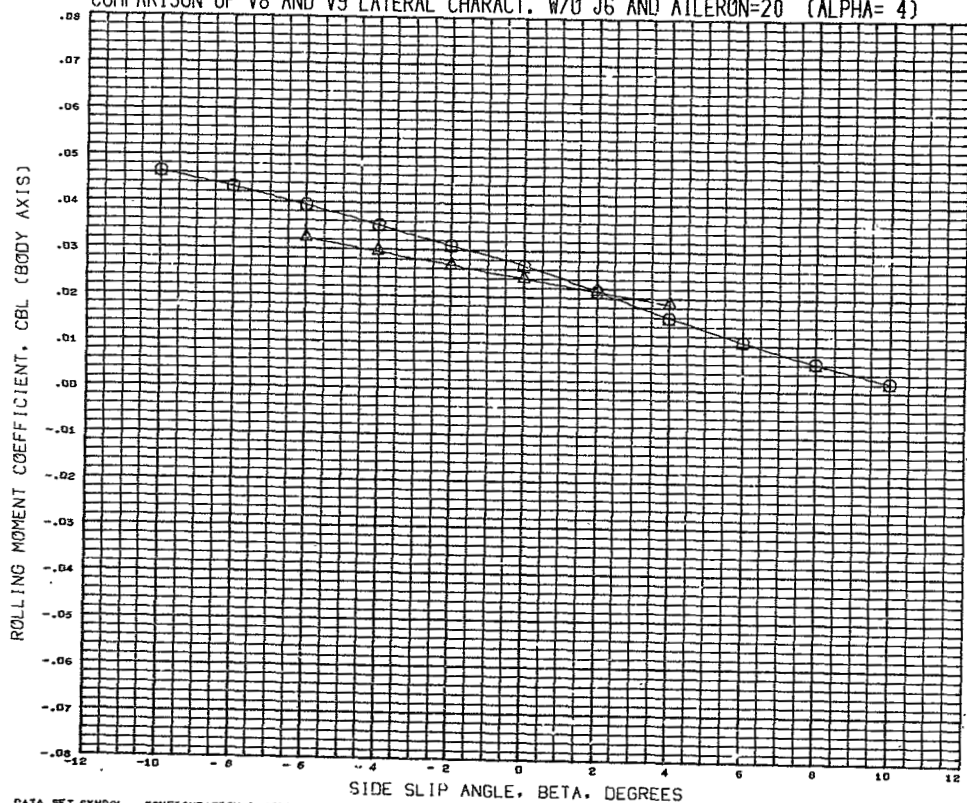
ALPHA	ELEVON	AILRON	RUDDER
4.000	0.000	20.000	0.000
4.000	0.000	20.000	0.000

REFERENCE INFORMATION

SREF	9.0000	SQ. FT
LREF	6.0000	FT.
BREF	6.0000	FT.
XMRP	0.8775	REFL
YMRP	0.0000	FT.
ZMRP	0.0100	PEFL
SCALE	0.0300	SCALE

MACH 0.260

COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON=20 (ALPHA= 4)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

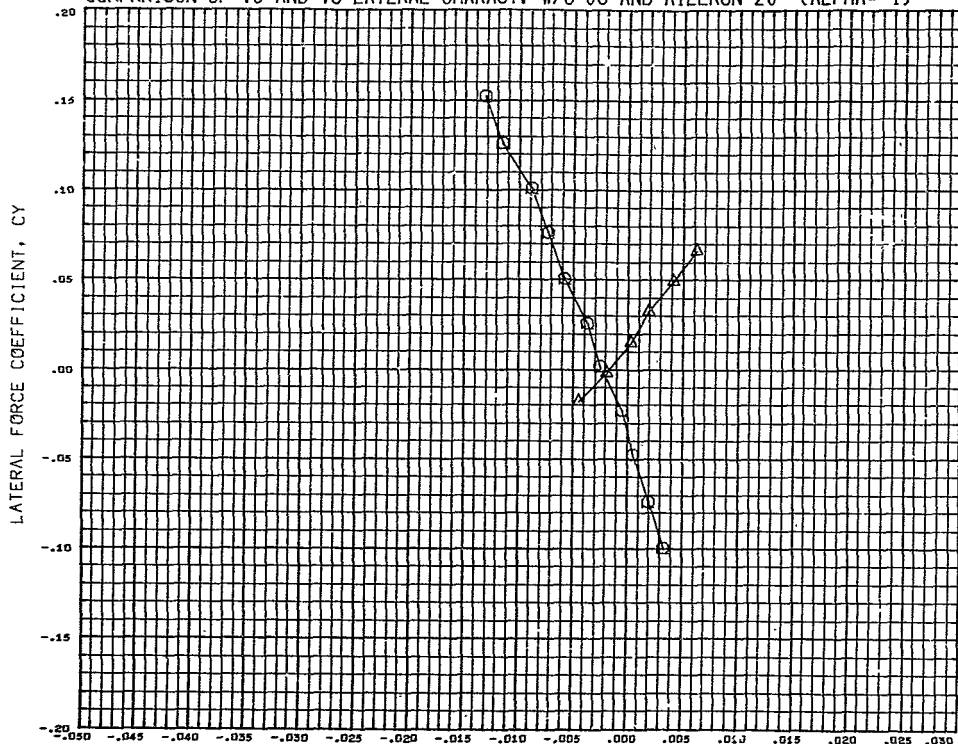
(BCZ085) NCAIR LSMT 258 3.0FCT MDAC/MHC BOOST B3N11WSV9
 (BCZ096) NCAIR LSMT 258 3.0FCT MDAC/MHC BOOST B3N11WSV8

ALPHA	ELEVON	AILRON	RUDDER
4.000	0.000	20.000	0.000
4.000	0.000	20.000	0.000

REFERENCE INFORMATION	
SREF	9.0000 SQ. FT
LREF	6.0000 FT.
BREF	6.0040 FT.
XMRP	0.8575 REFL
YMRP	0.0000 FT.
ZMRP	0.0100 REFL
SCALE	0.0300 SCALE

MACH 0.260

COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON=20 (ALPHA= 4)

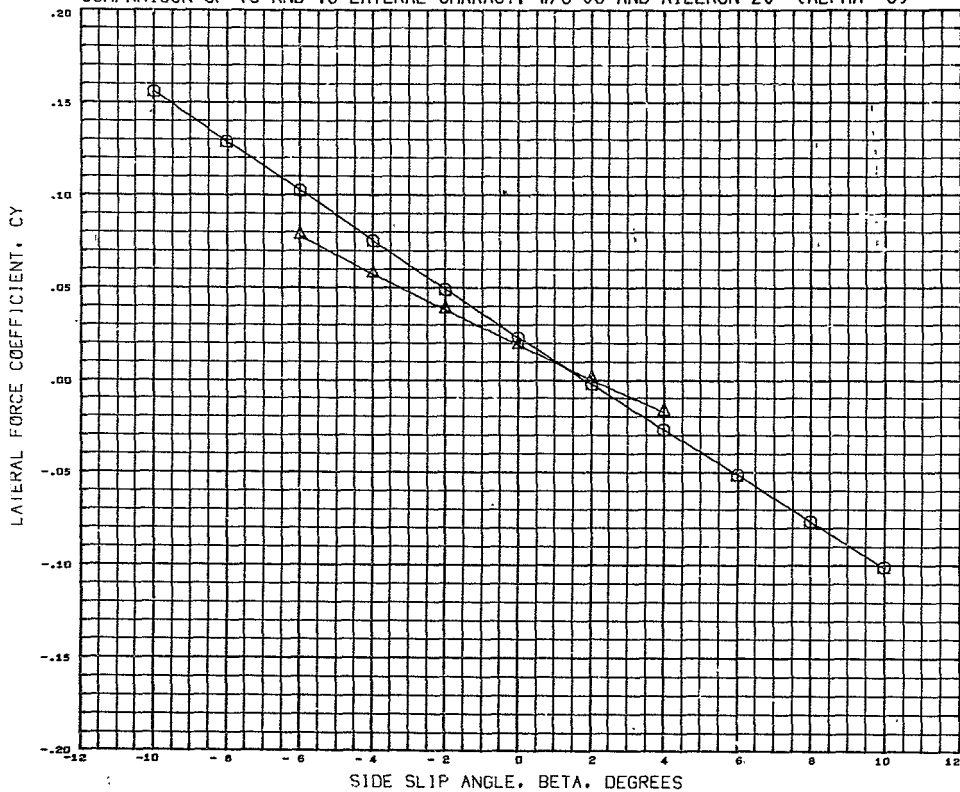


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(BCZD85)	MCAR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WSV9	4.000	0.000	20.000	0.000	SREF 9.0000 SQ. FT
(BCZD96)	MCAR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WSV8	4.000	0.000	20.000	0.000	LREF 6.0000 FT.
						BREF 6.0000 FT.
						XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

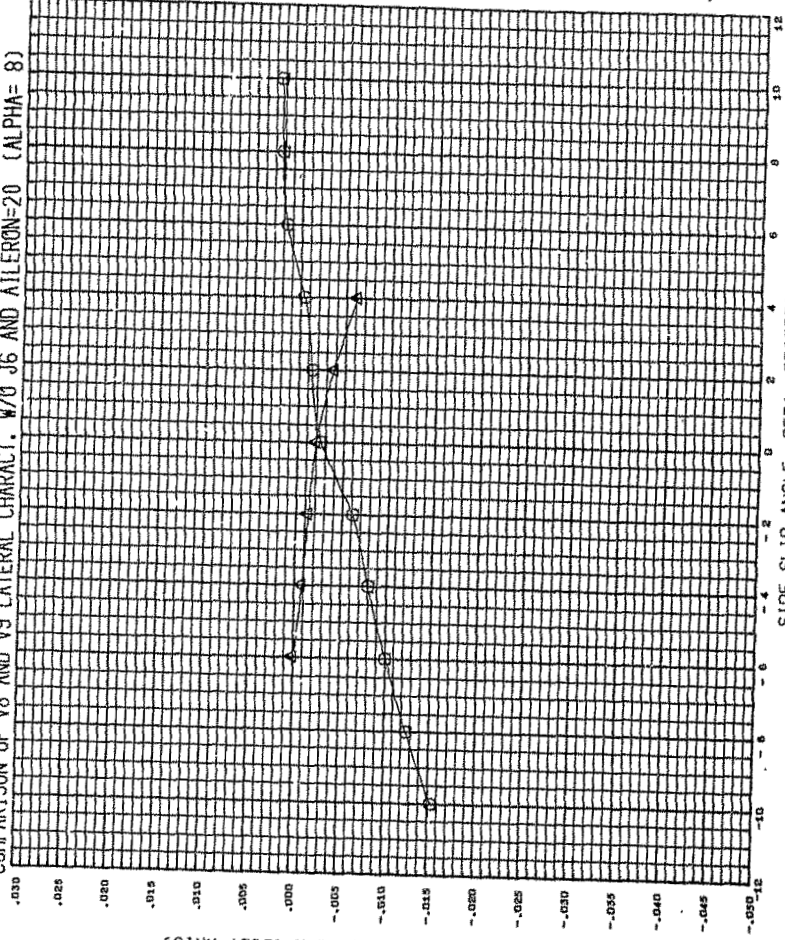
COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON=20 (ALPHA=8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(8CZ087)	HCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5V9	8.000	0.000	20.000	0.000	SREF 9.0000 SQ. FT
(8CZ097)	HCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5V8	8.000	0.000	20.000	0.000	LREF 6.0000 FT.
						BREF 6.0000 FT.
						XMRP 0.8575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.250

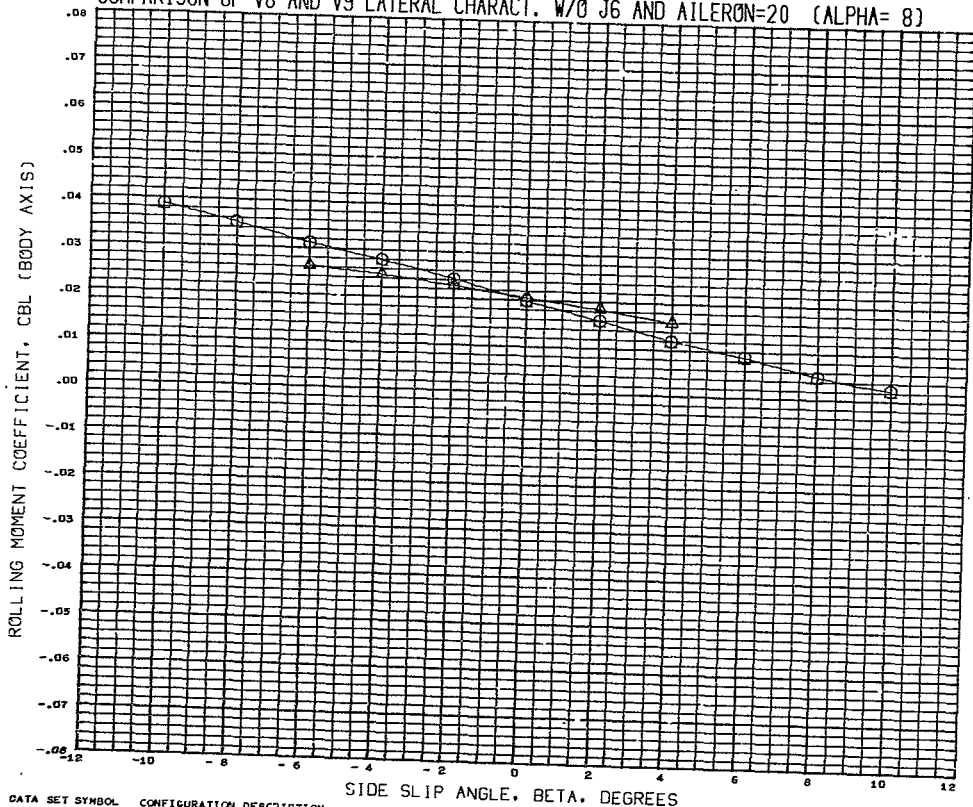
COMPARISON OF V8 AND V9 LATERAL CHARACTERISTICS AND AILERON-20 (ALPHA= 8)



YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL: 16CZ0971
 CONFIGURATION DESCRIPTION: NCAIR L5MT 258 3.0PCT MDAC/MNC BOOST BSH11M5V9
 MACH: 0.260
 ALPHA: 8.000
 ELEVON AILRON: 0.000
 RUDDER: 0.000
 REFERENCE INFORMATION:
 SREF: 9.0000 39. FT
 BREF: 6.0000 FT.
 XREF: 0.8475 REFL
 YMRP: 0.0000 FT.
 ZMRP: 0.0000 FT.
 SCALE: 0.0300 SCALE

COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON=20 (ALPHA= 8)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

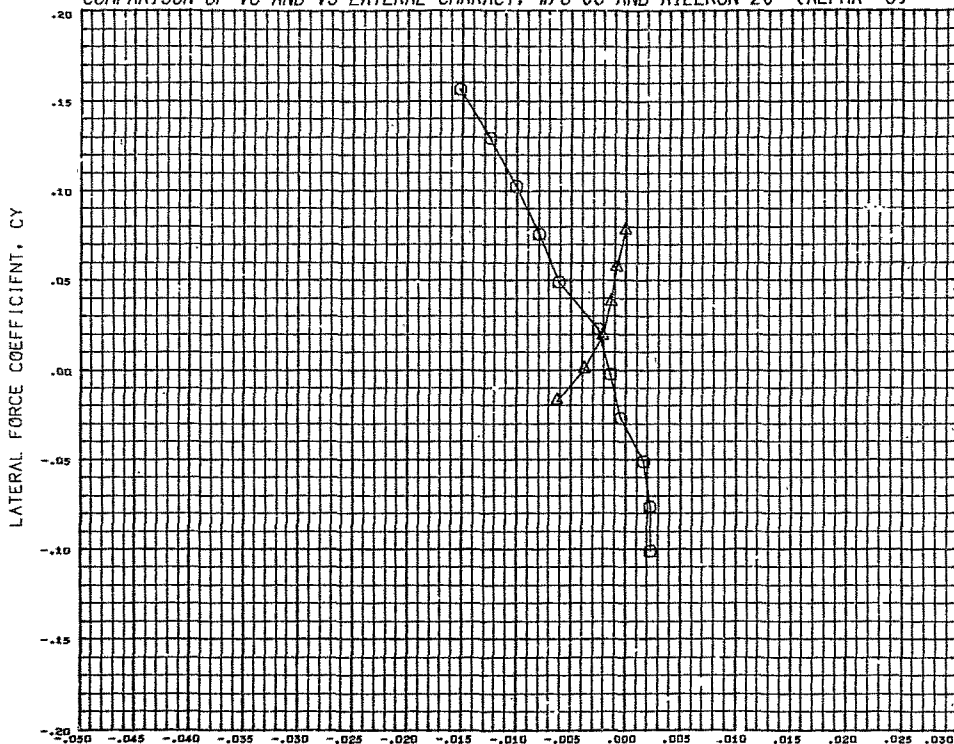
(BCZ087) MCAIR LSMT 258 3.DPCT MDAC/MHC BOOST B3N11H5V9
 (BCZ097) MCAIR LSMT 258 3.DPCT MDAC/MHC BOOST B3N11H5V8

ALPHA	ELEVON	AILRON	RUDDER
8.000	0.000	20.000	0.000
8.000	0.000	20.000	0.000

REFERENCE INFORMATION	
SREF	9.0000 SQ. FT
LREF	6.0000 FT.
BREF	6.5000 FT.
XMRP	0.8375 REFL
YMRP	0.0000 FT.
ZMRP	0.0500 REFL
SCALE	0.0300 SCALE

MACH 0.260

COMPARISON OF V8 AND V9 LATERAL CHARACT. W/O J6 AND AILERON=20 (ALPHA= 8)

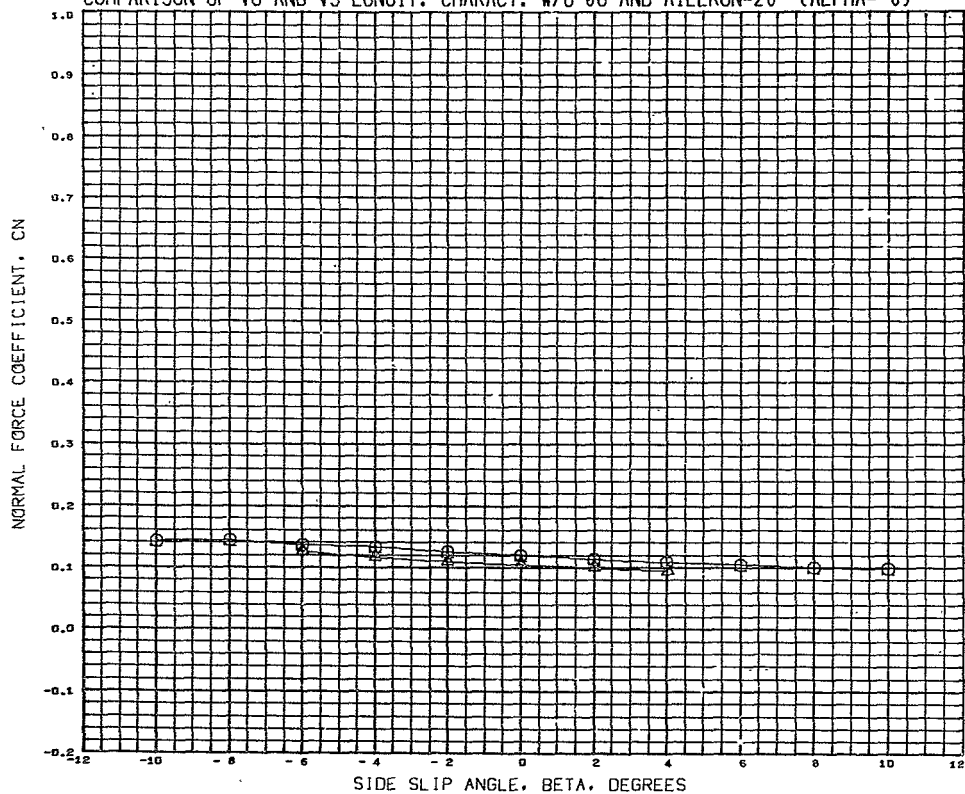


YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BC2597)	Q MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WV8	8.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
(BC2597)	Q MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WV8	8.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	6.0000 FT.
						XMRP	0.8375 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

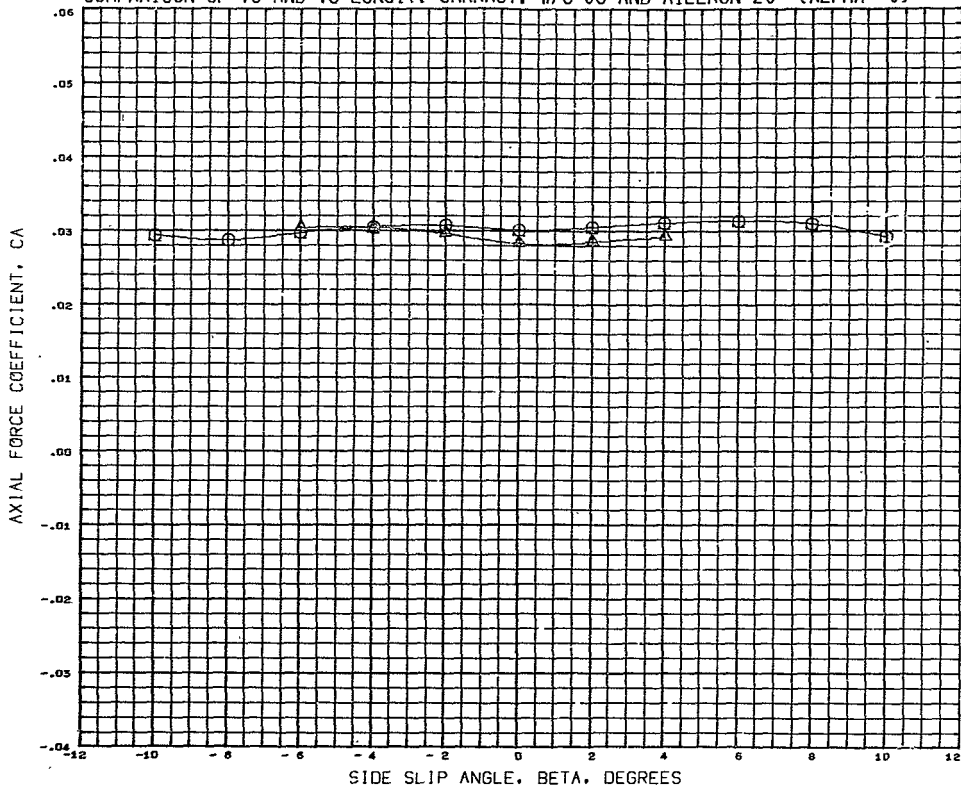
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON=20 (ALPHA= 0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BC2084)	HCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5V9	0.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
(BC2095)	HCAIR LSMT 258 3.0PCT MDAC/HMC BOOST B3N11W5V8	0.000	0.000	20.000	0.000	LREF	6.0000 FT.
						WREF	3.0000 FT.
						XMRP	0.4575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.265

COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON=20 (ALPHA= 0)



DATA SET SYMBOL. CONFIGURATION DESCRIPTION

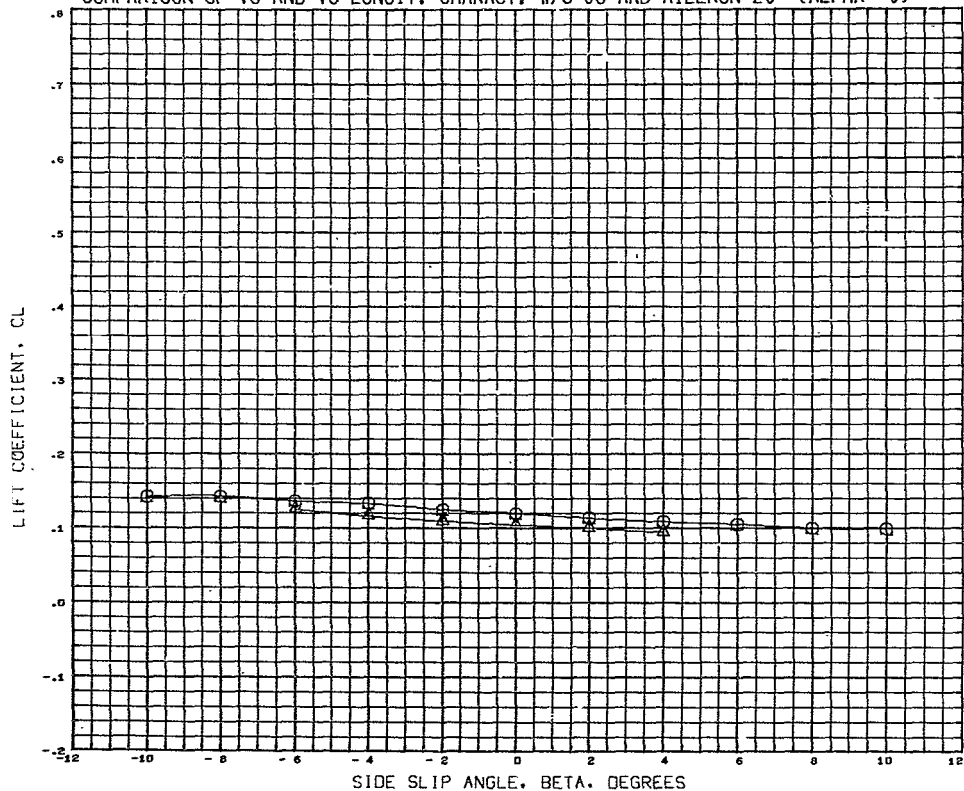
(BC2084)  MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3M11W5V9

(BC2095)  MCAIR LSWT 258 3.0PCT MDAC/MNC BOOST B3M11W5V8

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	20.000	0.000	SREF 9.5000 SQ. FT
0.000	0.000	20.000	0.000	LREF 6.0000 FT.
				BREF 6.0000 FT.
				XMRP 0.8575 REFL
				YMRP 0.0000 FT.
				ZMRP 0.0100 REFL
				SCALE 0.0300 SCALE

MACH 0.260

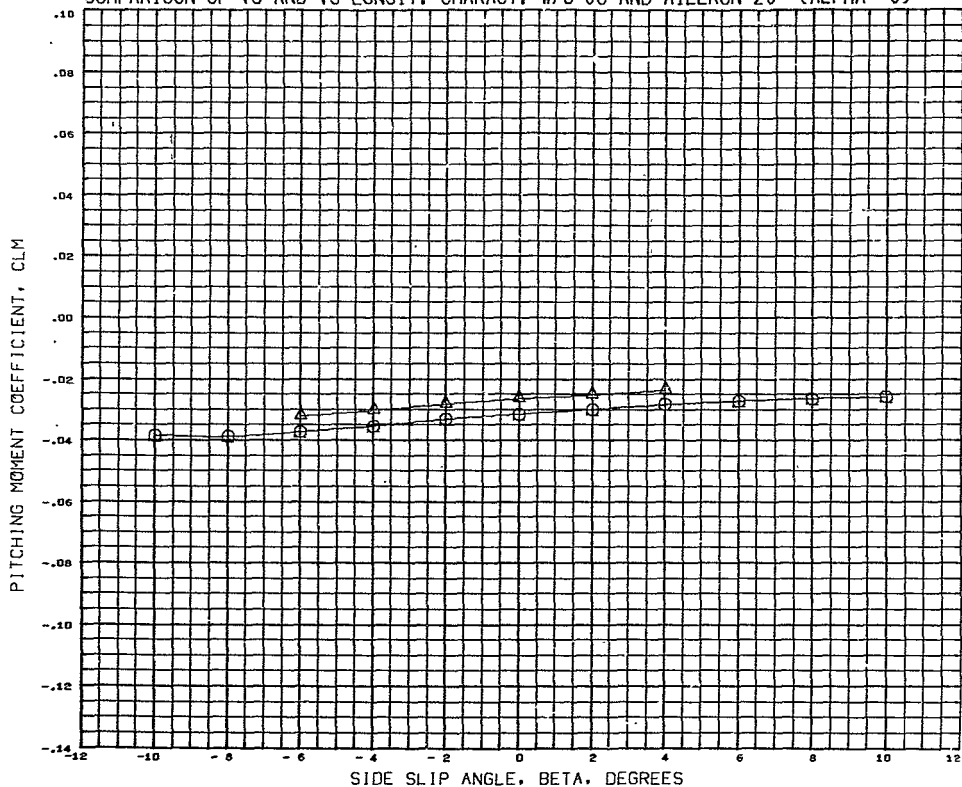
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON=20 (ALPHA= 0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ004)	MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5V9	0.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
(ACZ095)	MCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11W5V9	0.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	6.0000 FT.
						YMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON=20 (ALPHA= 0)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

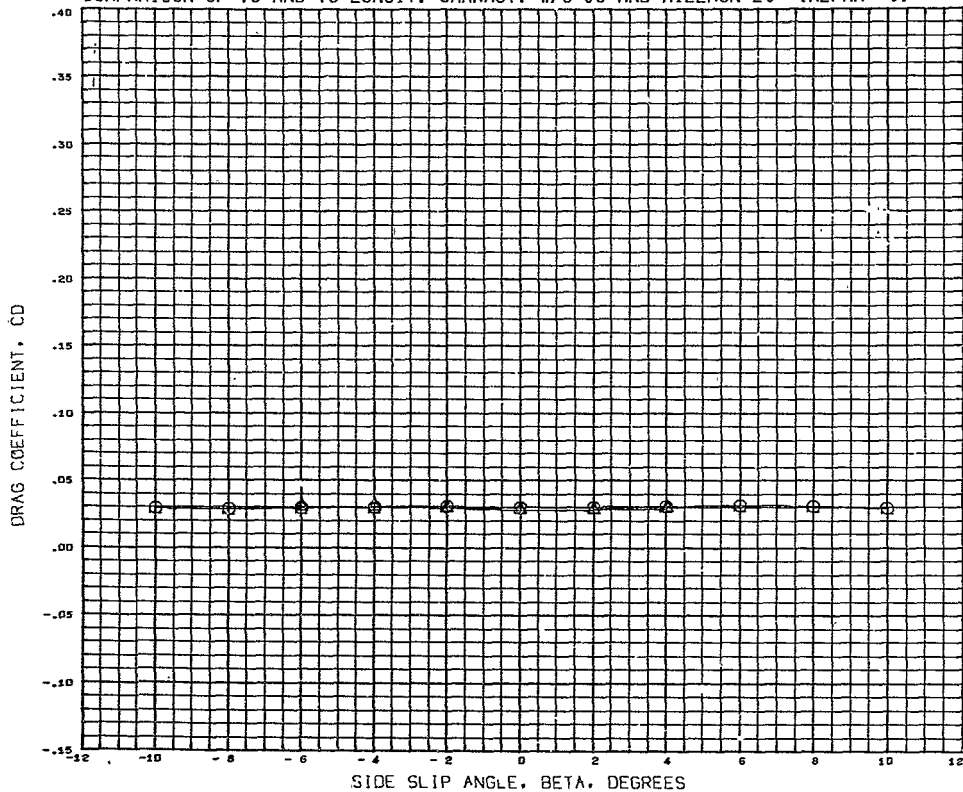
(ACZ084)  MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST 83N11W5V9

(ACZ095)  MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST 83N11W5V8

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
0.000	0.000	20.000	0.000	SREF 9.0000 SQ. FT
0.000	0.000	20.000	0.000	LRFP 6.0000 FT.
				BRFP 4.6200 FT.
				XMRP 0.8575 REFL
				YMRP 0.0000 FT.
				ZMRP 0.0100 REFL
				SCALE 0.0300 SCALE

MACH 0.265

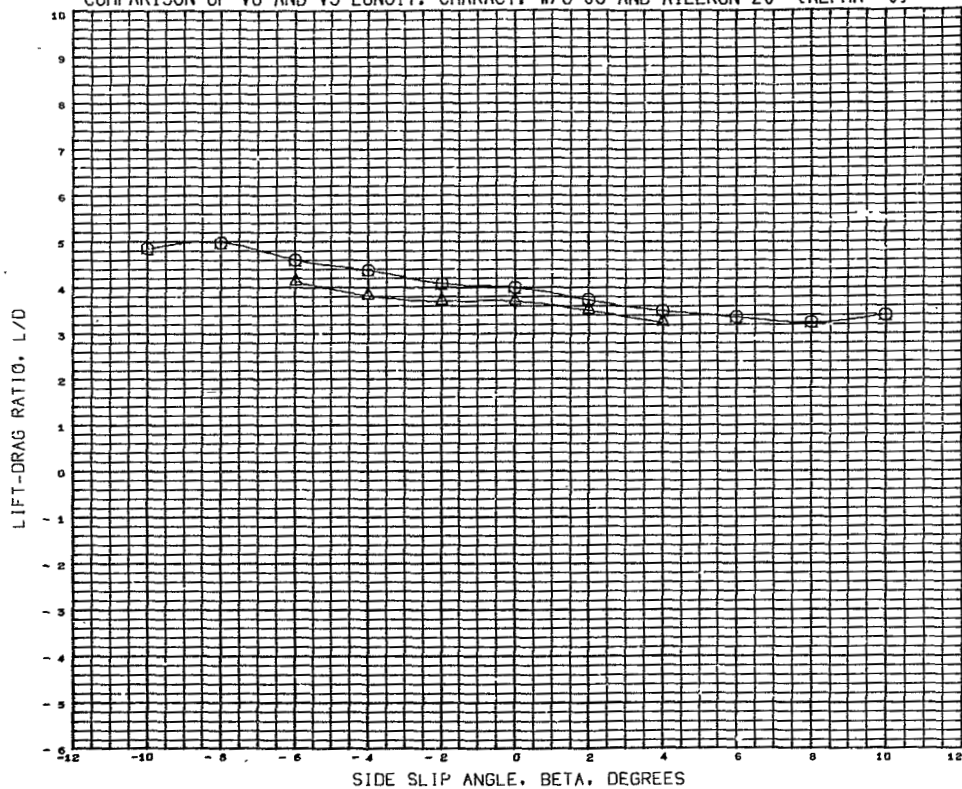
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON=20 (ALPHA= 0)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(AC2084)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	0.000	0.000	20.000	0.000	SREF 9.0000 SQ. FT
(AC2095)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8	0.000	0.000	20.000	0.000	LREF 6.0000 FT.
						BREF 9.0000 FT.
						XMRP 0.0575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.260

COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON=20 (ALPHA= 0)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

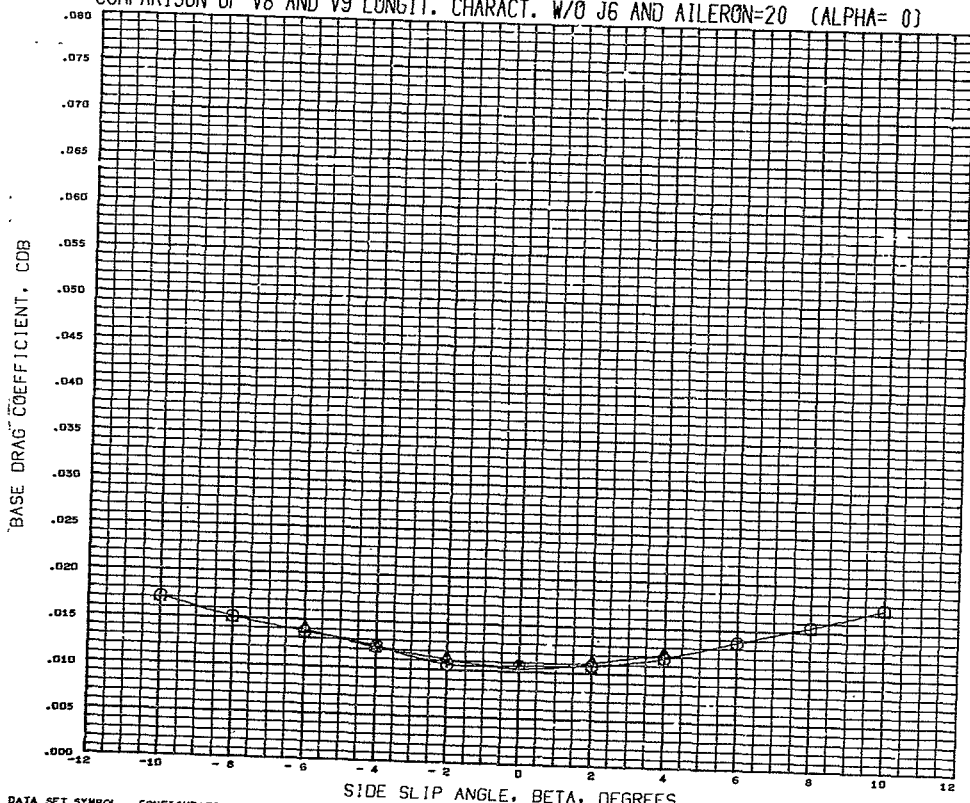
(ACZD84) NCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WSV9

(ACZD95) NCAIR LSMT 258 3.0PCT MDAC/MNC BOOST B3N11WSV8

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION
0.000	0.000	20.000	0.000	SREF	9.0000 50. FT
0.000	0.000	20.000	0.000	LREF	6.0000 FT.
				BREF	5.0000 FT.
				XMRP	0.0575 REFL
				YMRP	0.0000 FT.
				ZMRP	0.0100 REFL
				SCALE	0.0300 SCALE

MACH 0.260

COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON=20 (ALPHA= 0)



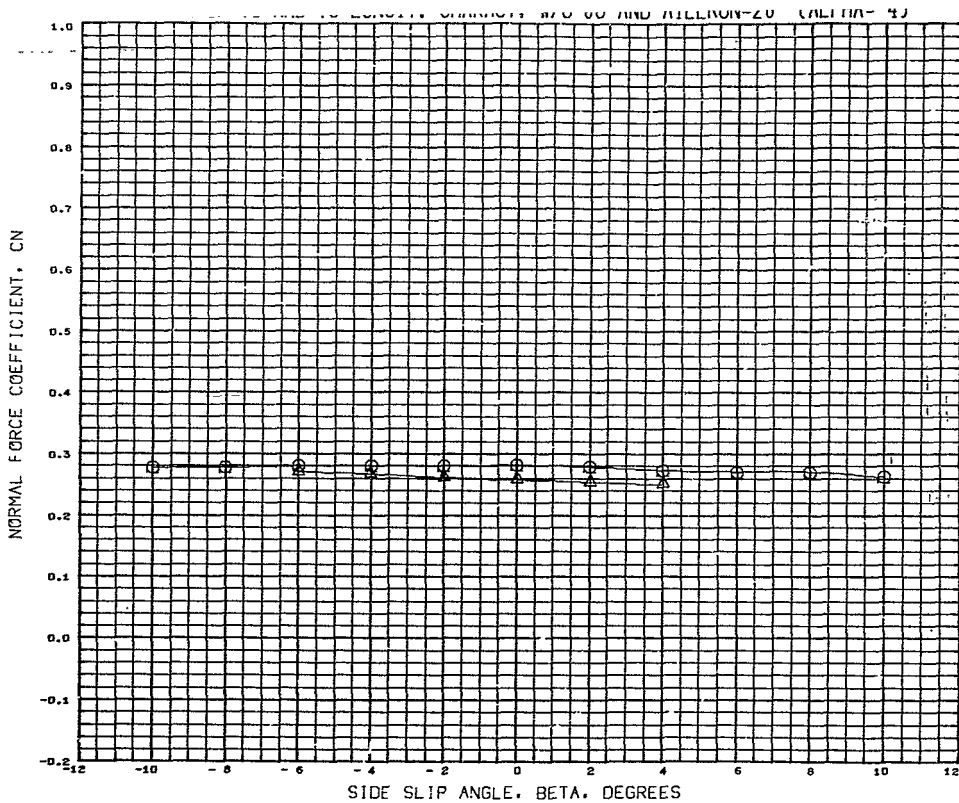
DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ084) Δ MCAIR LSWT 258 3.0PCT WDAC/HMC BOOST B3N11W5V9
 (ACZ095) Δ MCAIR LSWT 258 3.0PCT WDAC/HMC BOOST B3N11W5V8

ALPHA	ELEVON	AILRON	RUDDER
0.000	0.000	20.000	0.000
0.000	0.000	20.000	0.000

REFERENCE INFORMATION	
SREF	9.0000 SQ. FT
LREF	6.0000 FT.
BREF	6.0000 FT.
XMRP	0.8575 REFL
YMRP	0.0000 FT.
ZMRP	0.0100 REFL
SCALE	0.0300 SCALE

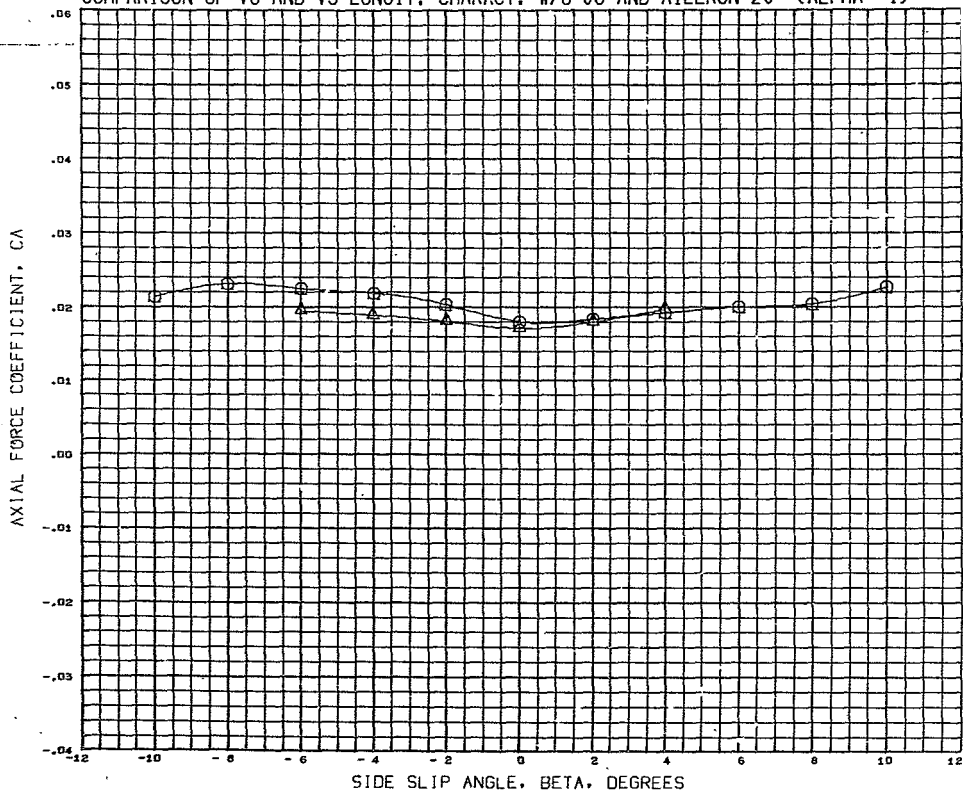
MACH 0.260



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION
BC20851	MCALR LSWT 258 3.DFCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	20.000	0.000	SREF	9.0000 Sq. FT
BC20861	MCALR LSWT 258 3.DFCT MDAC/MHC BOOST B3N11W5V6	4.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	6.0000 FT.
						XNRP	0.6375 REFL
						YNRP	0.0000 FT.
						ZNRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

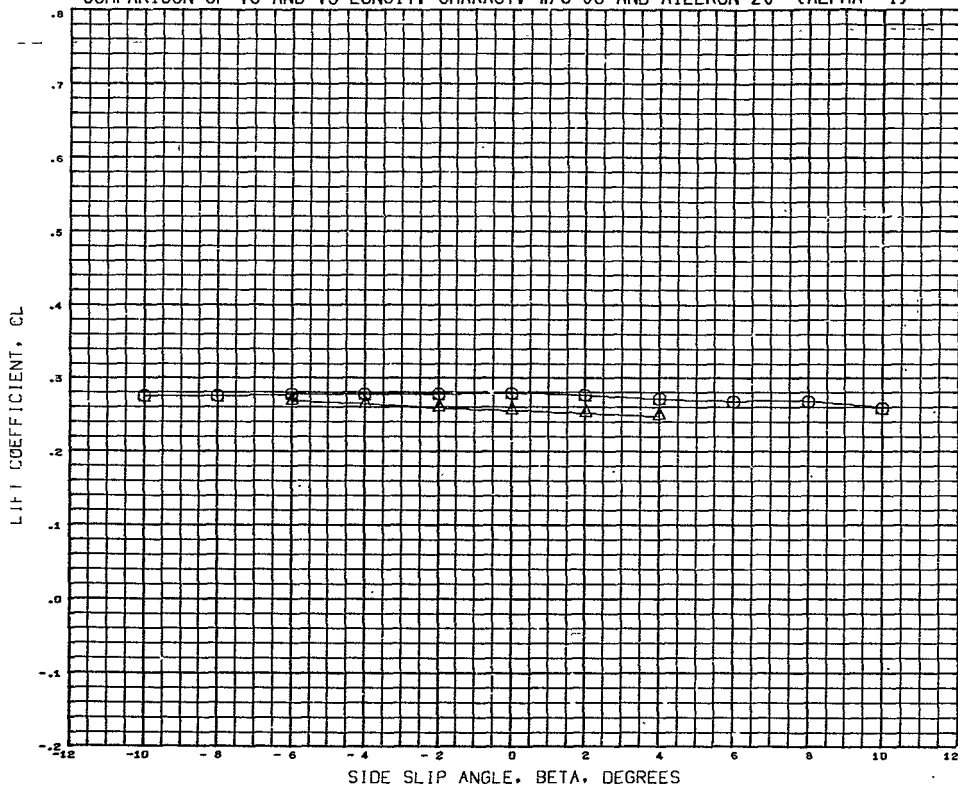
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON=20 (ALPHA= 4)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(BCZ085)	HCAIR LSWT 250 3.0PCT NDAC/MNC BOOST BSN11WSV9	4.000	0.000	20.000	0.000	SREF	9.0000 SG. FT
(BCZ096)	HCAIR LSWT 250 3.0PCT NDAC/MNC BOOST BSN11WSV8	4.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	0.0000 FT.
						YMRP	0.8575 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

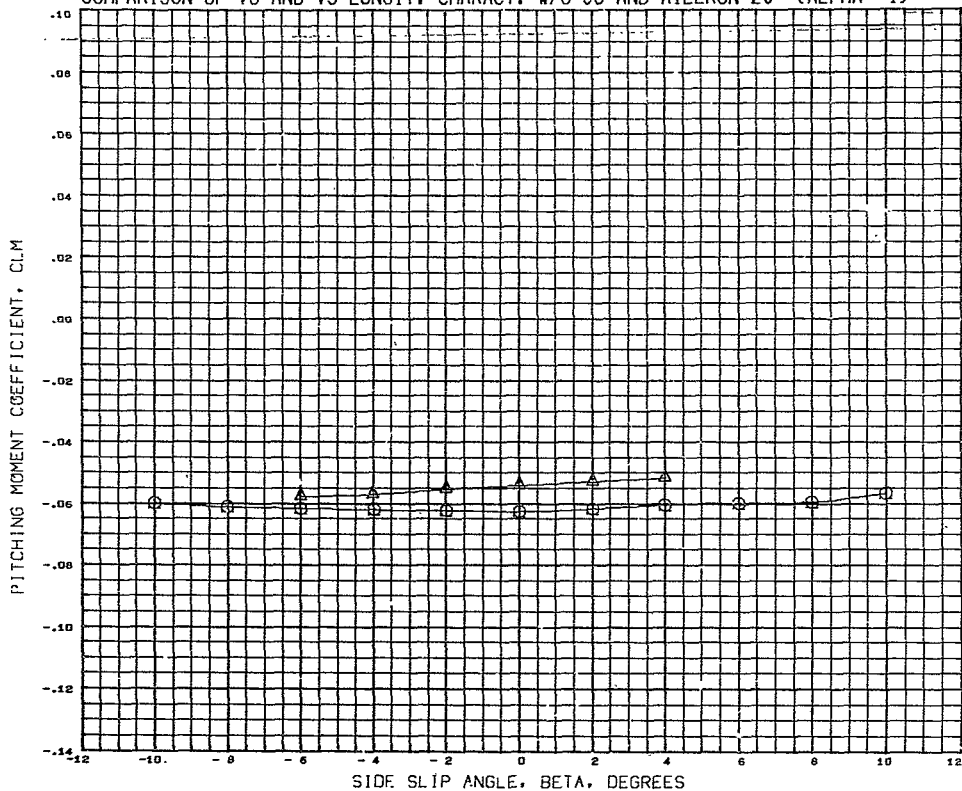
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON=20 (ALPHA= 4)



DATA SET SYMBOL		CONFIGURATION DESCRIPTION		ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
(ACZ085)	○	MCAIR	LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	4.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
(ACZ096)	△	MCAIR	LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8	4.000	0.000	20.000	0.000	LREF	6.0000 FT.
								BREF	0.0000 FT.
								WHRP	0.0575 REFL
								YMRP	0.0000 FT.
								ZMRP	0.0100 REFL
								SCALE	0.0300 SCALE

MACH 0.260

COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON=20 (ALPHA= 4)

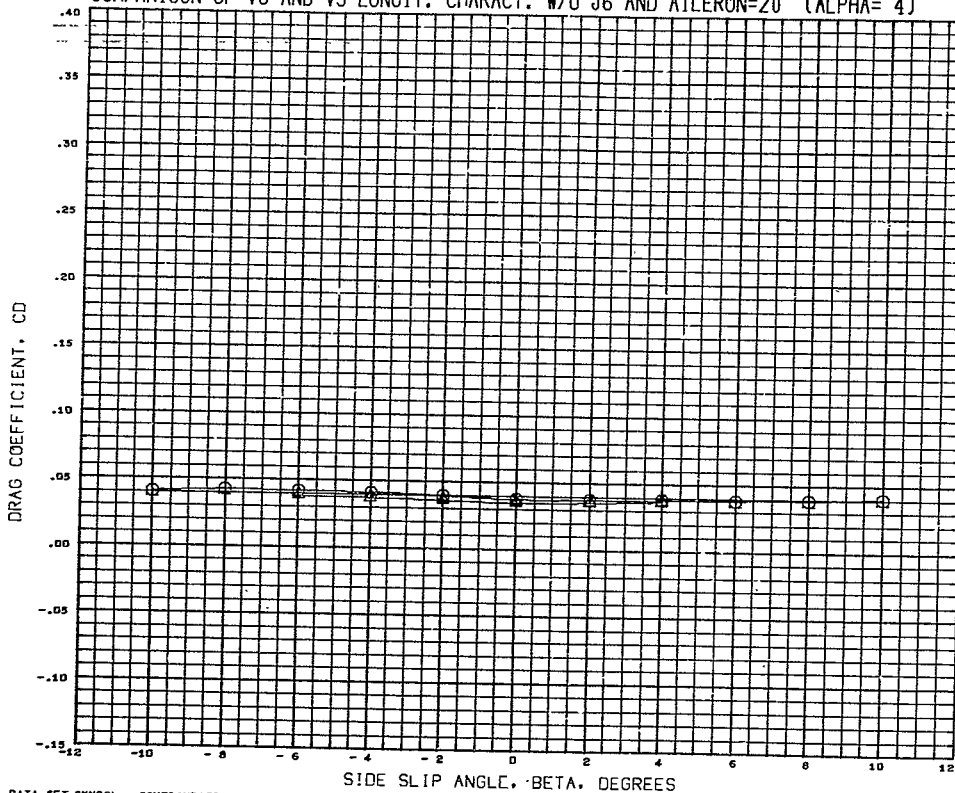


DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(AC2085)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11WSV9	4.000	0.000	20.000	0.000	SREF 9.0000 SQ. FT
(AC2086)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11WSV8	4.000	0.000	20.000	0.000	LREF 6.0000 FT.
						BREF 6.0000 FT.
						XMRP 0.6575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH

D.265

COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON=20 (ALPHA= 4)



DATA SET SYMBOL

(ACZ085)
(ACZ096)



CONFIGURATION DESCRIPTION

MCAR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5V9
MCAR LSWT 258 3.0PCT MDAC/MNC BOOST B3N11W5V8

ALPHA

4.000
4.000

ELEVON

0.000
0.000

AILERON

20.000
20.000

RUDDER

0.000
0.000

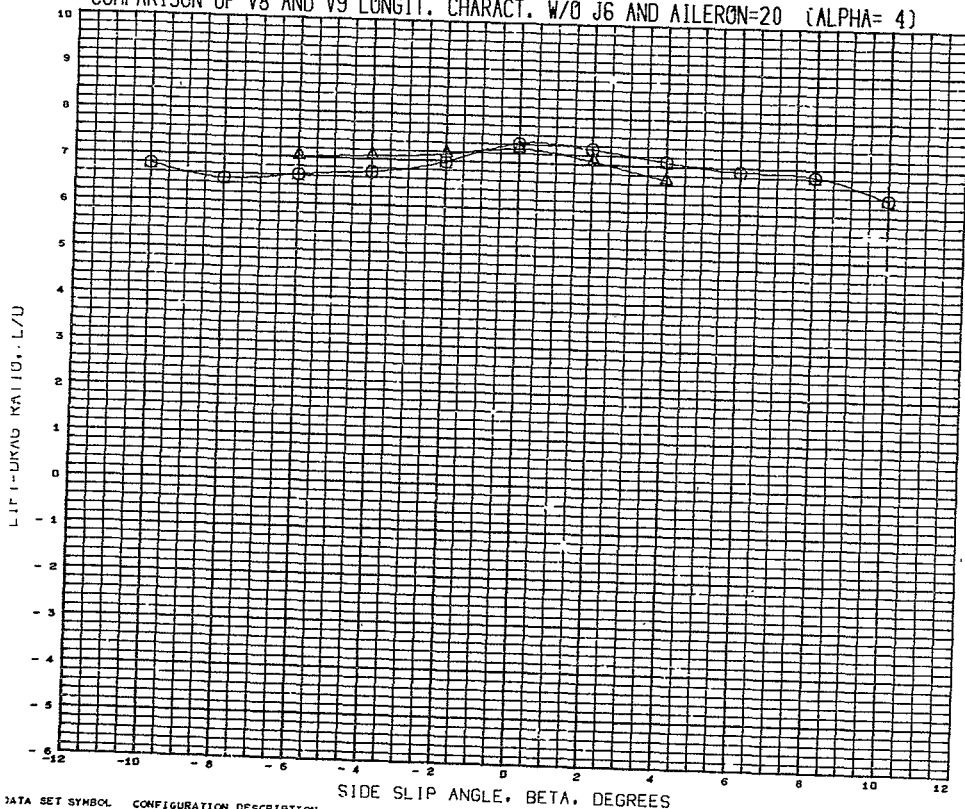
REFERENCE INFORMATION

SREF 9.0000 SQ. FT
LREF 6.0000 FT.
BREF 6.0000 FT.
XMRP 0.0575 REFL
YMRP 0.0000 FT.
ZMRP 0.0100 REFL
SCALE 0.0300 SCALE

MACH

0.260

COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON=20 (ALPHA= 4)



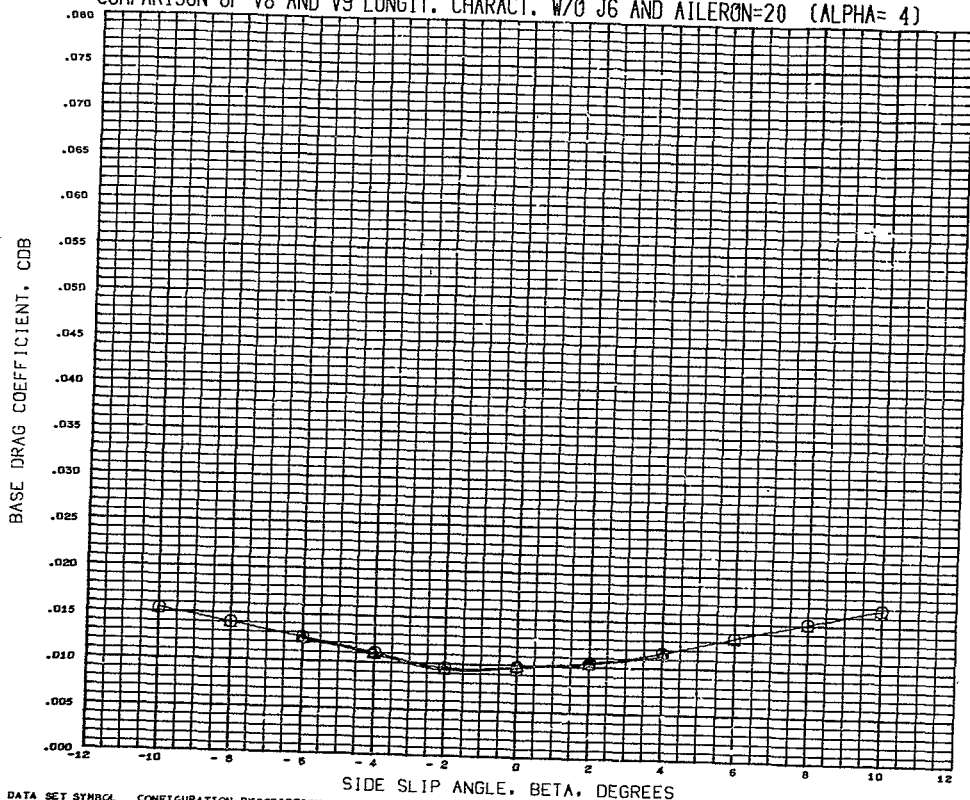
DATA SET SYMBOL CONFIGURATION DESCRIPTION

ACZ005) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST 03N11W5V9
 ACZ096) MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST 03N11W5V8

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
4.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
4.000	0.000	20.000	0.000	LREF	6.0000 FT.
				BREF	6.0000 FT.
				XRRF	0.0575 REFL
				YRRF	0.0000 FT.
				ZRRF	0.0100 REFL
				SCALE	0.0300 SCALE

MACH 0.350

COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON=20 (ALPHA= 4)



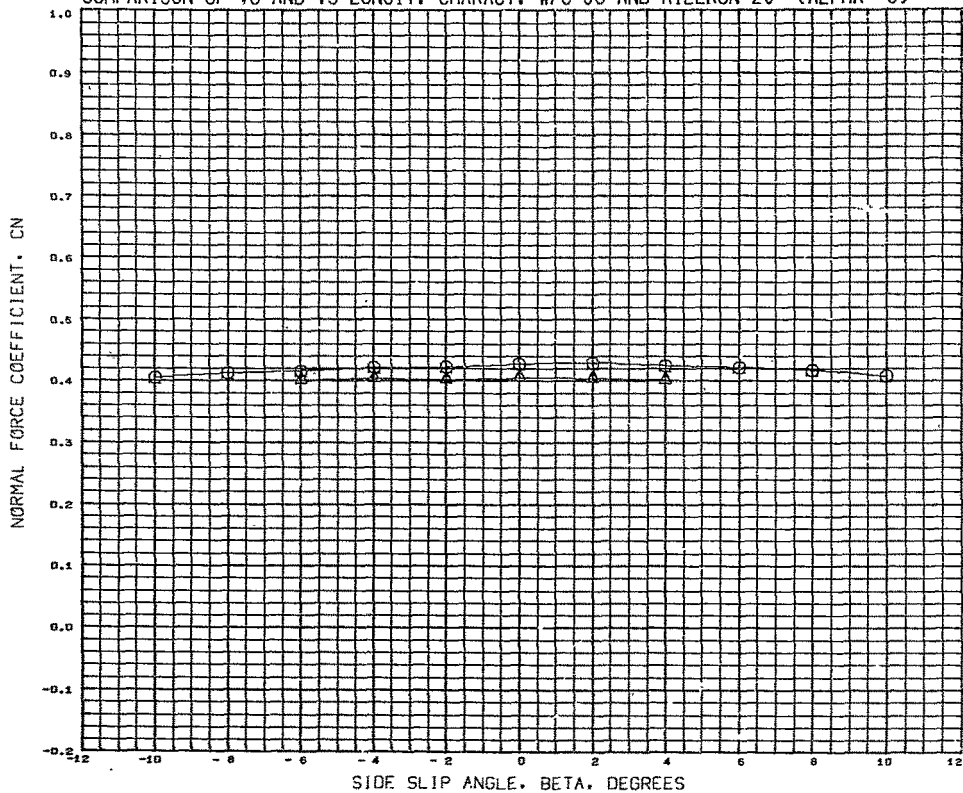
DATA SET SYMBOL CONFIGURATION DESCRIPTION

(ACZ085)  MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9
 (ACZ096)  MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
4.000	0.000	20.000	0.000	SREF 9.0000 SQ. FT
4.000	0.000	20.000	0.000	LREF 6.0000 FT.
				BREF 0.0000 FT.
				XMRP 0.8575 REFL
				YMRP 0.0000 FT.
				ZMRP 0.0100 REFL
				SCALE 0.0300 SCALE

MACH 0.260

COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON=20 (ALPHA= 8)



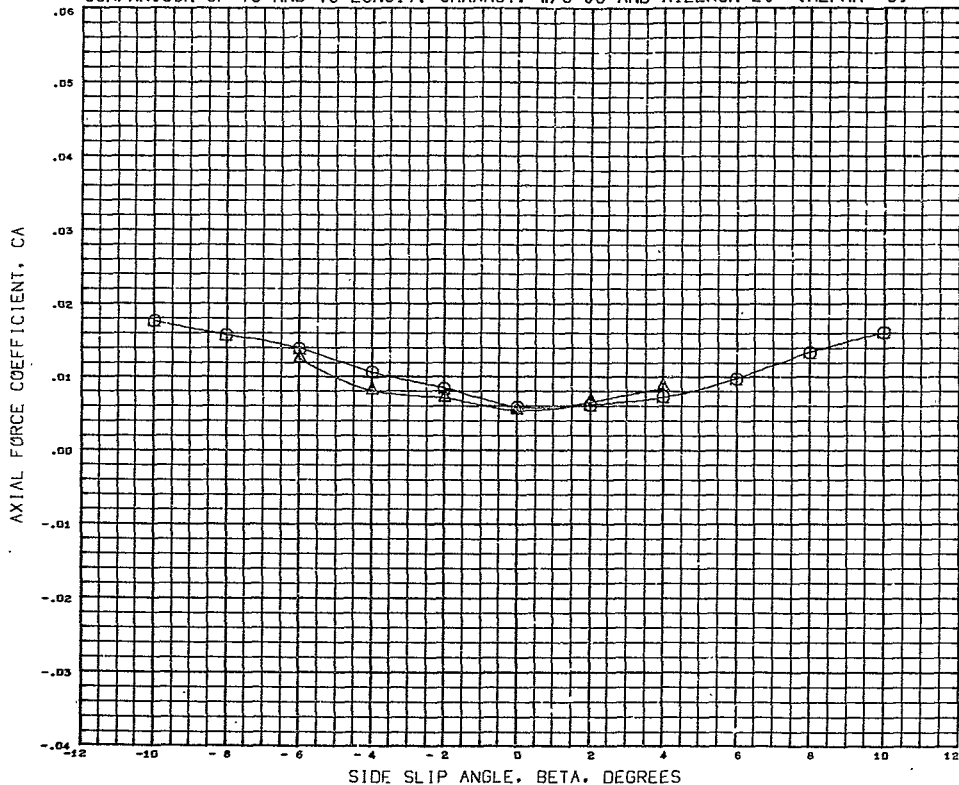
DATA SET SYMBOL CONFIGURATION DESCRIPTION

(BCZ087) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9
 (BCZ097) MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8

ALPHA	ELEVON	AILRON	RUDDER	REFERENCE	INFORMATION
8.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
8.000	0.000	20.000	0.000	LREF	6.0000 FT.
				BREF	6.0000 FT.
				XMRP	0.6575 REFL
				YMRP	0.0000 FT.
				ZMRP	0.0100 REFL
				SCALE	0.0300 SCALE

MACH 0.260

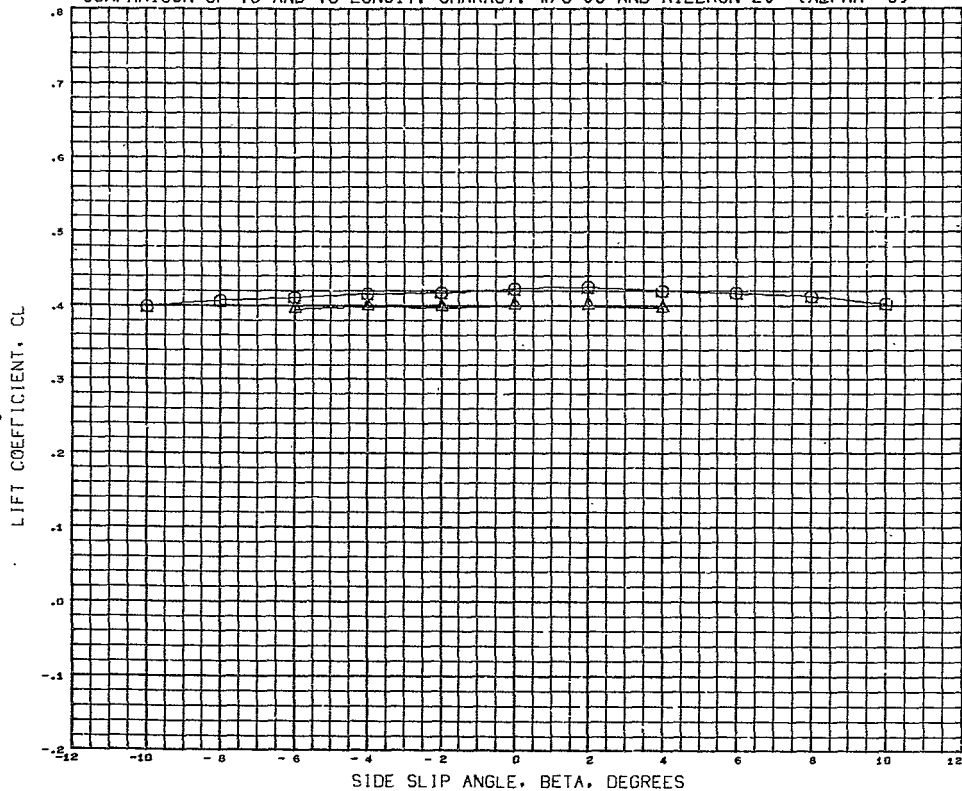
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON=20 (ALPHA= 8)



ITA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
YC2087)	Q MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST BSN11W5V9	8.000	0.000	20.000	0.000	SREF 9.0000 SQ. FT
ICZ097)	Q MCAIR LSWT 258 3.0PCT MDAC/MHC BOOST BSN11W5V8	8.000	0.000	20.000	0.000	LREF 6.0000 FT.
						GREF 6.0000 FT.
						XMRP 0.0575 REFL
						YMRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0300 SCALE

MACH 0.265

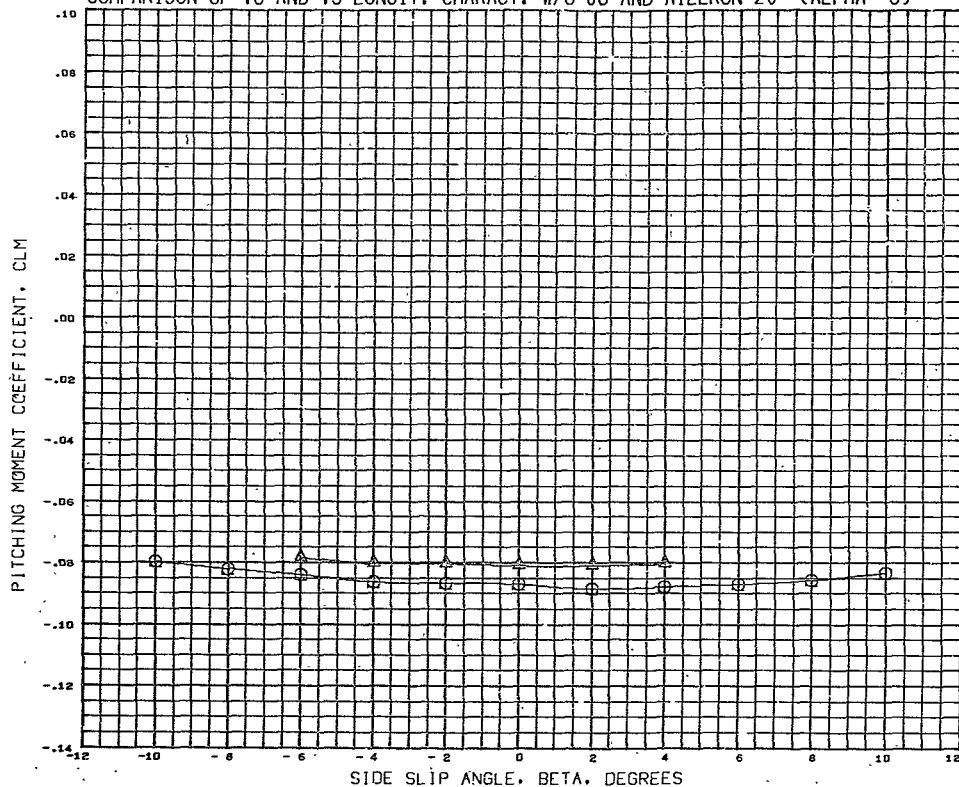
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON=20 (ALPHA= 8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
ACZ087)	HCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	8.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
ACZ097)	HCAIR LSWT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8	8.000	0.000	20.000	0.000	LREF	6.0000 FT.
						SREF	6.0000 FT.
						XMRP	0.8475 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

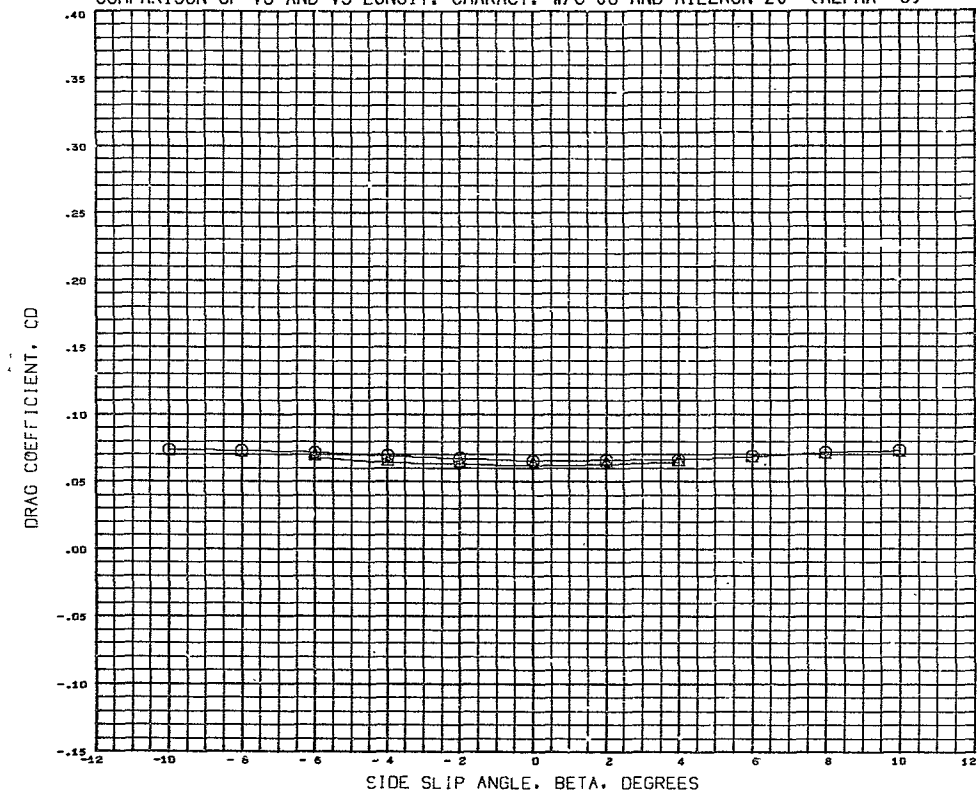
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON=20 (ALPHA= 8)



ATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION	
ICZ087)	MCAR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5V9	8.000	0.000	20.000	0.000	SREF	9.0000 SQ. FT
ICZ097)	MCAR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5V8	8.000	0.000	20.000	0.000	LREF	6.0000 FT.
						BREF	6.0000 FT.
						XMRP	0.6275 REFL
						YMRP	0.0000 FT.
						ZMRP	0.0100 REFL
						SCALE	0.0300 SCALE

MACH 0.260

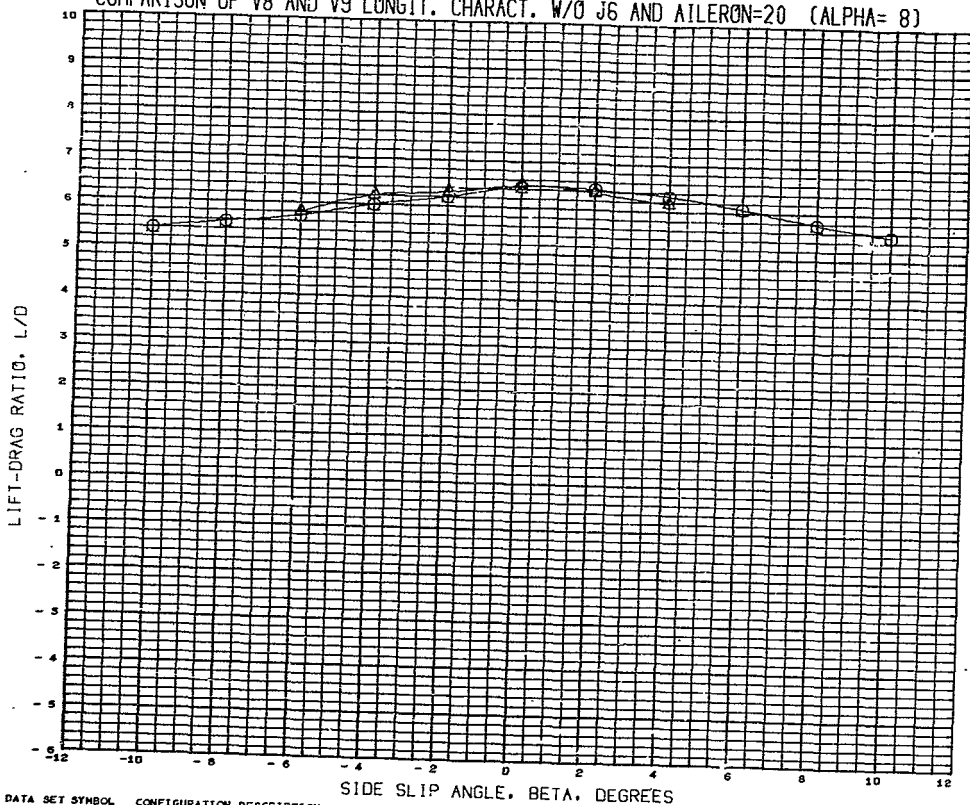
COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON=20 (ALPHA= 8)



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	ELEVON	AILRON	RUDDER	REFERENCE INFORMATION
(ACZ087)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V9	8.000	0.000	20.000	0.000	SREF 9.0000 SQ. FT
(ACZ097)	MCAIR LSMT 258 3.0PCT MDAC/MHC BOOST B3N11W5V8	8.000	0.000	20.000	0.000	LREF 6.0000 FT.
						BREF 6.0000 FT.
						YNRP 0.0875 REFL
						YNRP 0.0000 FT.
						ZMRP 0.0100 REFL
						SCALE 0.0000 SCALE

MACH 0.260

COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON=20 (ALPHA= 8)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

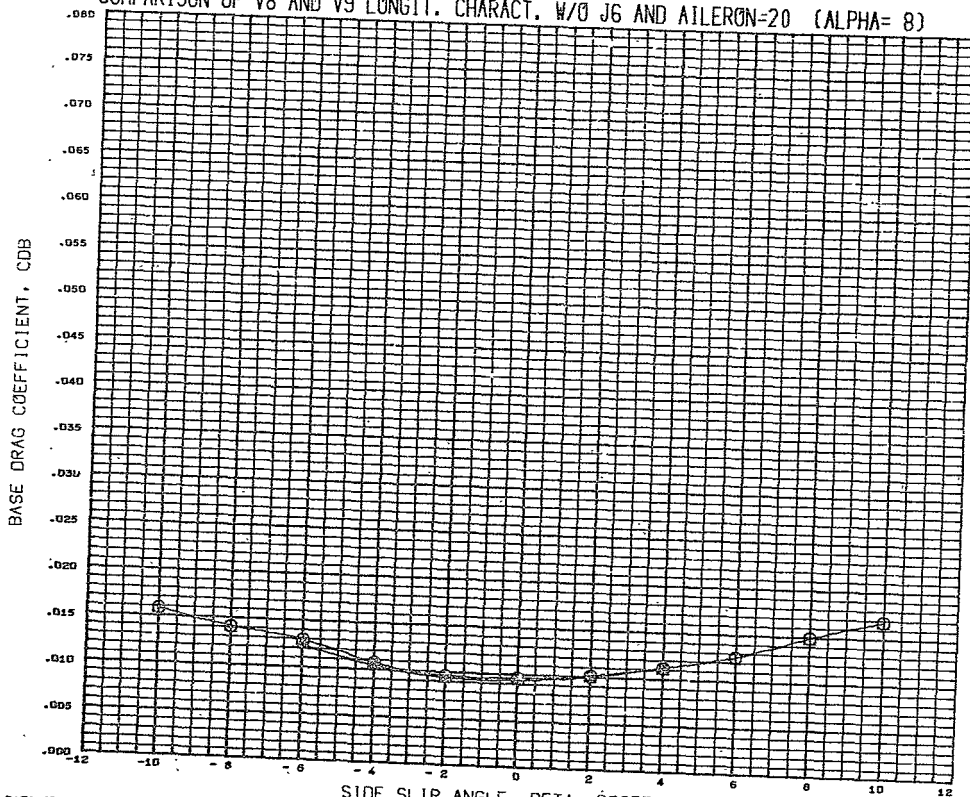
(ACZ087)  MCAIR LSMT 258 3.DFCT MDAC/MHC BOOST 83N11W5V9
 (ACZ097)  MCAIR LSMT 258 3.DFCT MDAC/MHC BOOST 83N11W5V8

ALPHA	ELEVON	AILRON	RUDDER
8.000	0.000	20.000	0.000
8.000	0.000	20.000	0.000

REFERENCE INFORMATION	
SREF	9.0000 SQ. FT
LREF	6.0000 FT.
BREF	6.0000 FT.
XMRP	0.8275 REFL
YMRP	0.0000 FT.
ZMRP	0.0100 REFL
SCALE	0.0300 SCALE

MACH 0.260

COMPARISON OF V8 AND V9 LONGIT. CHARACT. W/O J6 AND AILERON-20 (ALPHA= 8)



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(AC2087) Δ MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5V9
 (AC2097) Δ MCAIR LSWT 258 3.0PCT NDAC/MHC BOOST B3N11W5V8

ALPHA
 8.000
 8.000

ELEVON
 0.000
 0.000

AILRON
 20.000
 20.000

RUDDER
 0.000
 0.000

REFERENCE INFORMATION
 SREF 9.0000 SQ. FT
 LREF 6.0000 FT.
 BREF 6.0000 FT.
 XMRP 0.8575 REFL
 YMRP 0.0000 FT.
 ZMRP 0.0100 REFL
 SCALE 0.0000 SCALE

MACH 0.260