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VOLUME 1 OF 2

RESULTS OF WIND TUNNEL TESTS
OF AN ASRM CONFIGURED 0.03 SCALE SPACE
SHUTTLE INTEGRATED VEHICLE MODEL (47-OTS)
IN THE AEDC 16-FOOT TRANSONIC WIND TUNNEL
(IA613A)

SPACE SHUTTLE AEROTHERMODYNAMIC DATA REPORT

(NASA-CR-185696) RESULTS OF WIND
TUNNEL TESTS OF AN ASRM CONFIGURED
0.03 SCALE SPACE SHUTTLE INTEGRATED
VEHICLE MODEL (47-OTS) IN THE AEDC
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IN THE AEDC 16-FOOT TRANSONIC WIND TUNNEL
(IA613A)

by

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Prepared under NASA Contract Number NAS9-17840

by

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SSV Test No. IA613A
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Test Dates: March 27 through April 12, 1991
Test Hours: Occupancy: 94.2 Hours
Air On: 35.8 Hours
No. of Runs/Data Points: 464/1887

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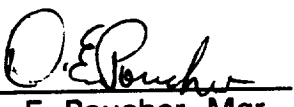
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**Results of Wind Tunnel Tests
of An ASRM Configured 0.03-Scale
Space Shuttle Integrated Vehicle Model (47-OTS)
In The AEDC 16 Foot Transonic Wind Tunnel
(IA613A)**

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ABSTRACT

An experimental Aerodynamic and Aero-Acoustic loads data base was obtained at transonic Mach numbers for the Space Shuttle Launch Vehicle configured with the ASRM Solid Rocket Boosters as an increment to the current flight configuration (RSRB). These data were obtained during transonic wind tunnel tests (IA 613A) conducted in the Arnold Engineering Development Center 16-Foot transonic propulsion wind tunnel from March 27, 1991 through April 12, 1991. This test is the first of a series of two tests covering the Mach range from 0.6 to 3.5.

Steady state surface static and fluctuating pressure distributions over the Orbiter, External Tank and Solid Rocket Boosters of the Shuttle Integrated Vehicle were measured. Total Orbiter forces, Wing forces and Elevon hinge moments were directly measured as well from force balances. Two configurations of Solid Rocket Boosters were tested, the Redesigned Solid Rocket Booster (RSRB) and the Advanced Solid Rocket Motor (ASRM). The effects of the position (i.e. top, bottom, top and bottom) of the Integrated Electronics Assembly (IEA) box, mounted on the SRB attach ring, were obtained on the ASRM configured model. These data were obtained with and without Solid Plume Simulators which, when used, matched as close as possible the flight derived pressures on the Orbiter and External Tank base.

Data were obtained at Mach numbers ranging from 0.6 to 1.55 at a Unit Reynolds Number of 2.5 million per foot through model angles of attack from -8 to +4 degrees at sideslip angles of 0, +4 and -4 degrees.

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SCHEDULE COEFFICIENTS PLOTTED SCHEDULE COEFFICIENTS PLOTTED

SCHEDULE	COEFFICIENTS PLOTTED	SCHEDULE	COEFFICIENTS PLOTTED
A	C_{N_f} VS α	D	C_{N_f} VS Mach
	C_{m_f} VS α		C_{m_f} VS Mach
	C_{A_f} VS α		C_{A_f} VS Mach
B	$C_{h_{eI}}$ VS α		$C_{h_{eI}}$ VS Mach
	$C_{h_{eO}}$ VS α		$C_{h_{eO}}$ VS Mach
	C_{N_w} VS α		C_{N_w} VS Mach
	C_{B_w} VS α		C_{B_w} VS Mach
	C_{T_w} VS α		C_{T_w} VS Mach
C	C_Y VS θ		
	C_n (BODY) VS θ		
	C_l (BODY) VS θ		

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SCHEDULE COEFFICIENTS PLOTTED

A C_p VS x/l B

B C_p VS Z0

C C_p VS x/c BF

D C_p VS ETA

C_p VS XV/CV

E C_p VS XH/CH

F C_p VS x/l T

G C_p VS ϕ

H C_p VS XT

I C_p VS x/l S

INTRODUCTION

In 1990, the Space Shuttle Vehicle program began the design effort for an Advanced Solid Rocket Motor (ASRM) which would provide the system with improved ascent performance, resulting in enhanced launch capabilities as well as the ability to carry heavier payloads to orbit.

The design concept increased the Booster diameter by four inches between the nose cone and the skirt as well as modifying the aft support ring, IEA box and booster stiffeners. High fidelity Aerodynamic and Aero-Acoustic loads data were required on the vehicle configured with this preliminary outer mold line design to determine the effects on the ascent orbiter wing loads and to update the IVBC-3 loads data base. This IVBC-3 data base was generated using previous wind tunnel test data from this model and upgraded to the Redesigned Solid Rocket Motor (RSRM) configuration using Flight derived data.

To obtain these data, the large 0.03 scale integrated vehicle pressure loads wind tunnel model 47-OTS was modified such that both the latest RSRM Booster configuration, representing that of the current configuration data base, and the new ASRM configurations could be tested with minimum change time in the wind tunnel.

This test IA613A, the first of a two test series was conducted in the Arnold Engineering Development Center 16 Foot Transonic Propulsion Wind Tunnel. The test was conducted at transonic Mach numbers during the time period of March 27, 1991 to April 12, 1991. The model tested was a 0.03 scale replica of the Space Shuttle Launch Vehicle, designated 47-OTS, as shown in Figure 2a.

This test measured 1392 surface static pressures and 68 Aero-acoustic surface pressures to provide distributions over the orbiter, external tank and solid rocket

boosters on both the ASRM and RSRB configured SSV launch vehicle. The force and moment data directly measured were; six component orbiter force and moment, three component orbiter right hand wing force and moment, and right hand wing elevon hinge moments. These data were obtained at Mach numbers from 0.6 to 1.55 at a unit Reynolds number of 2.5 million per foot at angles of attack ranging from -8 to +4 degrees and at sideslip angles of 0, +4 and -4 degrees. All primary objectives of the test were completed.

This report presents a description of this first (Transonic Mach Range Test) of a series of two tests. This report consists of remarks on the conduct of the test, description of the model and test facility, details on the test procedure, information on data reduction as well as presentation of recorded test data.

The data obtained from this test is contained on the final data tapes from AEDC. These tapes are available at Rockwell International Space Systems Division as well as NASA/JSC. The AEDC Data Tape at Rockwell is under the control of the Aerodynamics group, specifically L.P. LeBlanc, (310) 922-5369. Additional raw Kulite data, recorded on MUX recorders are in the possession of the Structural Dynamics group at Rockwell SSD. For information on these data, contact Phil Schuetz (310) 922-3552.

Data presented in this report have been included in the Chrysler DATAMAN Space Shuttle wind tunnel test database.

NOMENCLATURE

<u>SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
A_i		AREA OVER WHICH P_i ACTS, SQ.FT.
α	ALPHA	MODEL PITCH ANGLE, DEGREES
	ALPHAO	ORBITER ANGLE OF ATTACK, DEG. RELATIVE TO ET & SRB - CORRECTED FOR BALANCE DEFLECTION
	BREF	SPAN OF VEHICLE, INCHES
β	BETA	MODEL ANGLE OF SIDESLIP, DEGREES
	BETAO	ORBITER ANGLE OF SIDESLIP, DEG. RELATIVE TO ET & SRB - CORRECTED FOR BALANCE DEFLECTION
b_w		WING BENDING REFERENCE LENGTH
C_A	CA	ORBITER AXIAL FORCE COEFFICIENT, UNCORRECTED FOR BASE PRESSURE EFFECTS (BODY AXIS)
C_{AB}	CAB	ORBITER BASE AXIAL FORCE COEFFICIENT
C_{Af}	CAF	ORBITER AXIAL FORCE COEFFICIENT, CORRECTED FOR BASE PRESSURE EFFECTS (BODY AXIS)
C_{Bw}	CBW	ORBITER WING BENDING MOMENT COEFFICIENT
C_e		ELEVON REFERENCE CHORD LENGTH
C_{hei}	CHEI	RIGHT INBOARD ELEVON HINGE MOMENT COEFFICIENT
C_{heo}	CHEO	RIGHT OUTBOARD ELEVON HINGE MOMENT COEFFICIENT
C_l	CBL	ORBITER ROLLING MOMENT COEFFICIENT (BODY AXIS)
C_m	CLM	ORBITER PITCHING MOMENT, COEFFICIENT, UNCORRECTED FOR BASE PRESSURE EFFECTS (BODY AXIS)
C_{m_B}	CLMB	ORBITER BASE PITCHING MOMENT COEFFICIENT
C_{m_f}	CLMF	ORBITER PITCHING MOMENT COEFFICIENT, CORRECTED FOR BASE PRESSURE EFFECTS (BODY AXIS)
C_N	CN	ORBITER NORMAL FORCE COEFFICIENT, UNCORRECTED FOR BASE PRESSURE EFFECTS (BODY AXIS)

NOMENCLATURE - (Continued)

<u>SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
C_{NB}	CNB	ORBITER BASE NORMAL FORCE COEFFICIENT, CNBO + CNBF
C_{NBO}	CNBO	NORMAL FORCE BASE PRESSURE COEFFICIENT, CORRECTION FOR THE ORBITER FUSELAGE BASE
C_{NBF}	CNBF	NORMAL FORCE BASE PRESSURE COEFFICIENT, CORRECTION FOR THE ORBITER BODY FLAP
C_{Nf}	CNF	ORBITER NORMAL FORCE COEFFICIENT, CORRECTED FOR BASE PRESSURE EFFECTS (BODY AXIS)
	CNW	ORBITER WING NORMAL FORCE COEFFICIENT
C_n	CYN	ORBITER YAWING MOMENT COEFFICIENT (BODY AXIS)
C_{pi}	CP 0101 -	32x48 STRING OF SURFACE STATIC PRESSURE COEFFICIENTS
	CP 3248	SORTED BY MODULE, PORT = $(P_i - P_o)/q$
C_{prmsi}	CP RMSI	PRESSURE COEFFICIENT MEASURED BY DYNAMIC PRESSURE TRANSDUCERS, $i = 1$ TO 68 = $(P_{rmsi} - P_o)/q$
C_{pao}	CPAO	AVERAGE ORBITER BASE PRESSURE COEFFICIENT = $\frac{1}{14} \sum_{i=311}^{i=324} C_{pi}$
C_{pas}	CPAS	AVERAGE SOLID ROCKET BOOSTER BASE PRESSURE COEFFICIENT = $\frac{1}{10} \sum_{i=2201}^{i=2210} C_{pi}$
C_{pat}	CPAT	AVERAGE EXTERNAL TANK BASE PRESSURE COEFFICIENT = $\frac{1}{75} \sum_{i=1501}^{i=1575} C_{pi}$
C_{TW}	CTW	ORBITER WING TORSION MOMENT COEFFICIENT
C_w		MEAN AERODYNAMIC CHORD
C_y	CY	ORBITER SIDE FORCE COEFFICIENT (BODY AXIS)
D_b_{rmsi}	DB RMSI	DECIBEL LEVEL CORRESPONDING TO PRESSURE MEASURED BY DYNAMIC PRESSURE TRANSDUCERS, $i = 1$ TO 68
η	ETA	SPANWISE LOCATION ON SURFACE, FRACTION OF SPAN
δe_i	IB-ELV	DEFLECTION ANGLE OF INBOARD ELEVONS, DEGREES

NOMENCLATURE - (Continued)

<u>SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
δe_o	OB-ELV	DEFLECTION ANGLE OF OUTBOARD ELEVONS, DEGREES
δe_{LI}	LI-ELV	DEFLECTION ANGLE OF LEFT INBOARD ELEVON, DEGREES
δe_{LO}	LO-ELV	DEFLECTION ANGLE OF LEFT OUTBOARD ELEVON, DEGREES
δe_{RI}	RI-ELV	DEFLECTION ANGLE OF RIGHT INBOARD ELEVON, DEGREES
δe_{RO}	RO-ELV	DEFLECTION ANGLE OF RIGHT OUTBOARD ELEVON, DEGREES
LO ₂	LO2	LIQUID OXYGEN
	LREF	REFERENCE LENGTH OF VEHICLE, INCHES
M	MACH	FREESTREAM MACH NUMBER
P _o	P	FREESTREAM STATIC PRESSURE, PSFA
Φ	PHI	EXTERNAL TANK ROLL ANGLE, DEG.
	PHIO	ORBITER ROLL ANGLE, DEG. RELATIVE TO ET & SRB - CORRECTED FOR BALANCE DEFLECTION
P _t	PT	FREESTREAM TOTAL PRESSURE, PSFA
q	Q(P _{SF})	FREESTREAM DYNAMIC PRESSURE, PSFA
	RN/L	FREESTREAM UNIT REYNOLDS NUMBER/MILLION
	SREF	REFERENCE AREA, IN. ²
	XMRP	LOCATION OF MODEL REFERENCE POINT ALONG X-AXIS, INCHES
X _o	XO	LONGITUDINAL STATION ON ORBITER
X _s	XS	LONGITUDINAL STATION ON SRB
X _T	XT	LONGITUDINAL STATION ON THE EXTERNAL TANK
X/l _B	X/LB	LONGITUDINAL LOCATION ON ORBITER BODY SURFACE, FRACTION OF BODY LENGTH
X/l _s	X/LS	LONGITUDINAL LOCATION ON SOLID ROCKET BOOSTER SURFACE, FRACTION OF BODY LENGTH
X/l _T	X/LT	LONGITUDINAL LOCATION ON EXTERNAL TANK BODY SURFACE, FRACTION OF BODY LENGTH
X _v /C _v	XV/CV	CHORDWISE LOCATION ON VERTICAL TAIL, FRACTION OF LOCAL CHORD

NOMENCLATURE - (Concluded)

<u>SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
X_W/C_W	XW/CW	CHORDWISE LOCATION ON WING SURFACE, FRACTION OF LOCAL CHORD
X/C_{BF}	X/CBF	CHORDWISE LOCATION ON BODY FLAP, FRACTION OF LOCAL CHORD
	YMRP	LOCATION OF MODEL REFERENCE POINT ALONG Y-AXIS, INCHES
Y_0	YO	ORBITER LATERAL STATION
	ZMRP	LOCATION OF MODEL REFERENCE POINT ALONG Z-AXIS, INCHES
Z_0	ZO	ORBITER WATER LINE

REMARKS

After completion of the model rework at Krug International, Dayton, Ohio, the model was shipped directly to AEDC. A number of model and orbiter balance fouling problems were discovered and corrected during orbiter balance check loads.

Fouling of the Orbiter balance inside the Orbiter cavity was corrected by fabricating a new balance pin. This balance pin used the top forward balance pin hole and placed the longitudinal center of the balance at Orbiter model station (MS) 32.7202. This places the Orbiter aft relative to the External Tank 0.009 inches from the original centerline position of (MS) 32.63. In addition, the new pin also positioned the Orbiter at a negative roll (right wing up) relative to the ET/SRB assembly of between 0.15 and 0.20 degrees.

During the model calibration loadings which required inverting the model, the Orbiter SSME solid plume grounded on the Orbiter SSME's. This plume assembly was moved aft on the sting 0.40 inches resulting in a 0.525 gap at the static model upright position.

Due to an additional requirement to duplicate the scaled blockage (cross-sectional area) of the aft External Tank to Orbiter attach region, a fairing was added to the lower part of the crossbeam to simulate the GH2 line cover fairing. This on-site modification measured 0.170 inches high from the lower moldline to the top of the External Tank. The scaled vehicle dimension is 0.1626 inches.

During the beginning of the test for run numbers less than 580, the Orbiter umbilical doors were left off. These were mounted prior to run number 580, however, there was no clearance between these doors and the Orbiter non metric support umbilicals resulting in a ground from model to balance system. This problem was rectified prior to run #600. Therefore, with the exception of the Orbiter balance forces, the remaining data from run #580 to #600 are valid. Run #602 is the first run with the Orbiter configured with umbilical doors to provide valid Orbiter force data.

Aero-Acoustic (Kulite) data was obtained throughout the test up to and including run #1565. No Kulite data was planned for the configurations tested in the run numbers from #1586 through the end of the test, run #1745.

Anomalies in the model setup that were not corrected prior to or during the test are; 1) The pressure taps on the ET LOX feedline were numbered 120 degrees rotation from the published orientation in reference 1. Figure 3~~2~~ provides the as hooked up pressure locations. On line printout data obtained during the test lists the pressure coefficients for the pretest report location. However, the final data tape referred to in this report lists the pressure data by ESP number - Port number so the figure presented herein should be used. 2) The External Tank spike nose part was mounted on the model inverted (i.e. at 180 degrees rotation from that shown in reference 1). The tap location as tested is as follows;

P# 1002 & # 1010	is @ $\Phi = 180$ deg.	was @ $\Phi = 0$ deg.
P# 1003 & # 1011	is @ $\Phi = 240$ deg.	was @ $\Phi = 60$ deg.
P# 1004 & # 1012	is @ $\Phi = 270$ deg.	was @ $\Phi = 90$ deg.
P# 1005 & # 1013	is @ $\Phi = 315$ deg.	was @ $\Phi = 135$ deg.
P# 1006 & # 1014	is @ $\Phi = 0$ deg.	was @ $\Phi = 180$ deg.
P# 1007 & # 1015	is @ $\Phi = 45$ deg.	was @ $\Phi = 225$ deg.
P# 1008 & # 1016	is @ $\Phi = 90$ deg.	was @ $\Phi = 270$ deg.
P# 1009 & # 1017	is @ $\Phi = 120$ deg.	was @ $\Phi = 300$ deg.

Various anomalies occurred during the test yielding pressure data (steady state and dynamic) either no good or questionable. Plugged, leaking and non existent pressure taps were determined prior to as well as during the test. Most data are bad coded in the data output. However some slow leaking pressures were left in the data. These marginal pressures are marked (?) and caution should be used in their use. Table III lists the pressure tap numbers versus ESP No. and port location. This table presents notes which indicate these pressure data problems for specific runs and runs greater than a given run.

It should be noted here that for runs #498 through #517, a problem existed with the data collection of the ESP's measuring the SRB pressures. The data from the odd numbered ports of these ESP's are questionable.

Pressure #416 checked as open during the pretest checks. Because this upper body flap pressure was involved in calculating the orbiter base force correction, pressure tap #424 was substituted in its place. In doing this, the pressure from tap 424 is output in both the location for P416 and P424.

Three Kulite transducers were bad throughout the test. These are;

Kulite # 8

Kulite #31

Kulite #66

Some errors exist in the data tape, primarily in the Elevon deflection setting and corrections to these settings for load deflections. The following lists these errors;

- 1) Left Hand Elevon Run #'s 503 to 516 - The elevons were set at 10° outb'd and +5° inb'd but indicated in the data as 10° outb'd and -5° inb'd. Run #'s 1559 to 1565 - The elevons were set at 10° outb'd and -5° inb'd but indicated in the data as 8° outb'd and 9° inb'd.

- 2) Right Hand Elevon Run #'s 410 to 516 - The elevons were set at 10° outb'd and +5° inb'd but indicated in the data as 9° outb'd and 5° inb'd. Run #'s 1584 to 1611 - The elevons were set at 8° outb'd and 9° inb'd but input in the data as -8° outb'd and -9° inb'd.

These errors in deflection setting inputs were corrected in the corrected elevon deflection data, therefore no deflection under load was accounted for in these cases.

CONFIGURATIONS INVESTIGATED

The model provided for the AEDC test period was a 0.030 scale replica of the Rockwell International Space Shuttle Vehicle in the launch configuration. The launch configuration consists of the assembly of a payload carrying Orbiter, an expendable external oxygen/hydrogen tank (ET) which provides fuel for the Orbiter main engines (SSME) and two recoverable Solid Rocket Boosters (SRB's). The launch configuration is shown in Figure 2a. The entire model is the launch vehicle configuration, comprised of the 102 Orbiter, the Light Weight External Tank and the RSRB or ASRB Boosters.

ORBITER

The Orbiter is a blended wing/body design with a double delta planform (81°/45° leading edge), twelve percent thick airfoil wing with full span elevons incorporating a six-inch interpanel gap between the independently deflectable inboard and outboard panels. A single swept (45°) centerline vertical tail with rudder and/or speed brake capability. The aft fuselage incorporates two Orbital maneuvering system (OMS) pods. These two OMS pods are fabricated with the OMS nozzles and RCS thrusters simulated. A single body flap (to aid in trim control while the speed brake is flared during re-entry) is fitted on the lower trailing edge of the fuselage.

The Orbiter fuselage is in accord with Rockwell International control drawing VL70-000140A, with the vertical tail as defined by drawing VL70-000146A. The OMS pods are the VL70-000140C configuration, this being a combination of the VL70-08401 and VL70-08410 drawings. Fitted to this is the Orbiter vehicle 102 wing as defined in the MD-V70 data book(s). For the purposes of this test and report, the resulting outer mold line (OML) is referred to as the "OV102 Orbiter". The complete Orbiter weighs approximately 140 pounds.

The wing is two piece with LH and RH panels mounted to a central steel wing beam. This beam of cross shaped planform supports one wing on a tang on each side of the central plate. The right hand tang is instrumented with strain gauges to form the three component wing load indicator balance. The exposed wings are made integral with the glove and a labyrinth seal is provided on the metric side to improve the data quality. The left hand wing is instrumented with pressure taps.

Each of the wings is fitted with deflectable inboard and outboard elevons which are supported in torsion only by a beam mounted on the hinge line. Identical R.H. and L.H. elevon supports insure similar aeroelastic deflections under load. The right hand elevon panels are supported on beams which are strain gauged. The following table shows the elevon deflections used during this test. The nominal deflection angles are listed as the requested angles, the unloaded measured deflection angles listed as the average of the measurements \pm the tolerance band. These angles are the unloaded deflection angles.

<u>ELEVON DEFLECTIONS</u>		
NOMINAL	MEASURED	
INBOARD	R.H. INBOARD	L.H. INBOARD
10°	9.750 \pm 0.100	10.145 \pm 0.155
8°	8.200	8.220
OUTBOARD	R.H. OUTBOARD	L.H. OUTBOARD
9°	7.675 \pm 0.195	8.750 \pm 0.060
5°	3.750 \pm 0.780	4.815 \pm 0.165
-5°	-6.195 \pm 0.125	-4.390 \pm 0.110

Interchangeable simulated flipper doors are fitted to the upper wing surface for the various elevon deflections.

The body flap, with hinge moment capability and forty pressure taps is provided. The body flap deflectable to four deflections, -11.7°, 0°, +16.3° or +22.5°. The body flap was set at 0° deflection for this test.

The vertical tail provided for this test includes a single panel hinged rudder/speed brake on each side. These panels are individually pinned to the hinge shaft, the shaft is then pinned to the vertical to provide any combination of rudder/speed brake deflections. The 0° rudder/speed brake (No deflection) was used for this test.

The SSME nozzles are simulated in the base of the Orbiter. The nozzles are set at the nominal angles of 16° up, no yaw upper, and 10° up, +3-1/2° yaw outboard for the lower two.

The entire Orbiter is mounted on the AEDC MK XXXIC Task balance. The balance taper fits into a block in the cavity at the rear of the fuselage. This block is attached to a beam running under the balance block and to a stiffener rod that runs forward above the right upper corner of the balance block to a "flying wedge" piece attached to the front of the longitudinal beam. This forms a support system within the Orbiter with the taper for the balance in the rear block. The ET attach hardware (simulated LO₂ and LH₂ feedlines) were upgraded to the latest dimensions which allowed for the increase in instrumentation leads in the Orbiter. These feedlines mount to the lower aft part of the beam through holes in the bottom of the Orbiter. The forward end of the balance support is mounted to the forward ET/ORB bipod in the lower fuselage cavity.

EXTERNAL TANK (ET)

The ET has been modified to the "lightweight" configuration for this test. It has a cylindrical cross section with a nominal diameter of 333.0" full scale and a maximum diameter of 336.2" full scale. The forward portion of the ET has a tangent ogive nose which terminates in a triconic nose cap over the LO₂ vent valve. The triconic nose functions as the Ascent Air Data System (AADS). The aft end of the tank is basically an ellipsoid of revolution. Between the LO₂ and LH₂ vessels one third of the ET length behind the nose is a structure of stiffeners which is slightly larger than the nominal tank diameter. Covering the entire tank is a Spray-On Foam Insulation (SOFI) of varying thickness, as dictated by the relative heat load, i.e., approximately 2.5 inches thick on the tangent ogive, 1.0 inches thick on the cylindrical portion of the tank and 2.0 inches thick on the rear ellipsoid. The diameters given above include this SOFI. A plate is provided in the forward section to support 13 ESP units and the Schaevitz angle of attack transmitter. The approximate weight of the External Tank with instrumentation is 190 pounds.

Protruding above the insulation are a number of external protuberances which fall into three major categories; electrical trays, fluid lines and attach hardware. The fluid lines modeled are the LO₂ and LH₂ feed and vent plumbing. The attach hardware, considered as part of the tank, is the front and rear ET/Orbiter attach structure, which is discarded with the ET at the end of the main engine burn (ET separation). The external tank for this test is built to the geometry described in the Rockwell International Interface Control Drawing ICD 2-00001C.

The Orbiter/ET attach hardware is scaled to as great a degree possible and is load-bearing. The Orbiter/ET front attach is fabricated from a single piece with two integral end plates. The aft attach structure is the scaled OML between the ET and Orbiter. A fairing on the ET side of

the main cross member was added for this test series. It represents the hydrogen tank pressurization line and maintains the scaled height (gap) above the ET. This gap between the ET top and the lower extremity of pressure line and fairing measured 0.0074 inches, model scale, larger than the vehicle.

The pressure and feed lines, previously used during test IA190, are modified to simulate the "light weight" tank. A removable mirror image pressure and feedline assembly was tested. This mirror image configuration provided pressure data on the RH wing including the interference caused by this large line system.

SOLID ROCKET BOOSTERS (SRB's)

Two configurations of the Solid Rocket Boosters were tested. The current configuration (the Redesigned Solid Rocket Boosters (RSRB's)), are 146-inch nominal diameter cylinders, each with an 18° semi-angle nose and a 13.27° spherical tip. An 18" flared skirt, 208.20" diameter, protects the gimballed rocket nozzle. The vehicle flexible donut shaped seal and thermal shield is provided between skirt and nozzle. Major protrusions from the basic envelope include a forward attach lug, separation thrusters front and rear, aft attach ring, various stiffeners, field joints and a full length electrical systems tunnel. This RSRB outer mold line configuration geometry is described in the Rockwell International Interface Control Drawing ICD 2-00001 Rev. H.

The second configuration, the Advanced Solid Rocket Motor (ASRM), is built to the IRN 190 Drawings, January 3, 1991. The booster diameter was enlarged to 150.25 inches between stations 523.83 and 1837.24 and appropriate changes were made to the stiffener rings, field joints (systems tunnel) aft attach ring with the Integrated Electronics Assembly (IEA) box. The ASRM configuration is shown in Figure 2b. The cylindrical inner aft attach struts as well as a section of the attach ring inside between these struts were not updated.

The two (LH & RH) baseline SRB's built around a 2.00" ID x 3.38" OD sleeve cores. Modified outer shells provide the RSRB and ASRM configurations for this test. The SRB to ET attachments bear the expected loads and carry the electrical leads through from the tank. The weight of the right hand SRB is approximately forty pounds and the weight of the thinner, left hand SRB with the pressure instruments installed, is approximately twenty-one pounds. The SRB itself consists of four main parts, nose cone, forebody, aft attach ring and aft SRB body with the skirt and nozzle assembly.

Nozzle actuator struts are simulated on each of the SRB aft skirts. The SRB aft separation thrusters are attached to the skirt. The forward attach structure is simulated utilizing a 7/16 inch diameter bolt which secures the SRB to the ET. Just aft of this bolt, the body of both the SRB and the ET have been relieved to provide a passage for instrumentation leads. The RSRM aft attach ring (ETA) configuration has been updated for this test and is interchangeable with the ASRM ETA. This ring is carved of a single piece of stock with integral different size mounting studs that simulate the aft attach struts. The struts and ETA wing configuration between these struts (inside) was not upgraded.

Removable IEA boxes were provided for both the ASRM and RSRB configurations so that they could be mounted either on top or bottom or both on top and bottom. The current launch configuration uses the top-mounted IEA box, but the bottom-mounted IEA box was proposed and used to alleviate aerodynamic disturbances between the boosters and the orbiter. During this test, the RSRB's were configured only with the top mounted RSRB IEA box configuration. The ASRM configuration was tested with the IEA box position on Top, Bottom, and Top and Bottom.

SOLID PLUME SIMULATORS

Plume simulators were provided for both the Orbiter and the SRB's in order to approximate as close as possible, the flight base pressures. The Orbiter plume simulator is a single contoured mahogany wood block, supported from the model stings and metrically isolated from the Orbiter base. The SRB plume simulators are conical wood with a disk of larger diameter at the aft cone surface. Two different sizes were provided. One, the small simulator, is a 28° half angle cone terminating at 8.12 inch diameter with a 1/2 inch thick, 9.37 inch diameter disc. The second is a 33 degree half angle cone terminating at 9.37 inch diameter with an 1/2 inch thick 11.25 inch diameter disc. These were mounted on the forked sting and adapter assemblies in proximity of the SRB nozzles. Longitudinal positioning of these SRB simulators was provided at 7.5, 13.5 and 18.75 inches, distance downstream of the SRB exit plane to the forward face of the disc (aft end of the cone). These plume simulators were designed using the configuration of those tested on an 0.10 scale SSV model (test IA-300), Reference 4, which is based on a solid plume simulator study by NASA/MSFC reported in Reference 5. The plume simulators are shown in Figures 2c.

INSTRUMENTATION

The model was instrumented so that steady state and fluctuating pressure as well as force data could be obtained simultaneously. In general the RH side of the model contained the force gauges of the model (i.e., RH wing and RH elevons). The LH side of the model was heavily instrumented with surface static pressures. The kulites pressure transducer were mounted to the RH side of the Orbiter External Tank and SRB.

A total of 1392 steady state surface static pressures were measured by thirty-two 48-port ESP's. The first and thirty-second port were used to measure a known pressure furnished from outside the model leaving forty six ports for model pressures. The location of the 1392 pressures are shown in Figures 3 and are categorized as follows:

<u>Major Model Component</u>	<u>Model Component</u>	<u>No. of Orifices</u>
Orbiter Total 628 pressures	Fuselage	196
	Body flap	40
	Base	24
	Vertical Stabilizer	75
	Wing	293
External Tank Total 557 pressures	Body	423
	Base	74
	LO ₂ Protuberances	60
Solid Rocket Boosters 207 pressures	SRB Basic Body	177
	Base	10
	Protuberances	20

The model was instrumented to measure 68 Aero Acoustic pressures. Sixty eight (68) Kulite high frequency response ± 15 psid pressure transducers are installed in the model to measure these vibra-acoustic pressure levels. Figure 4 shows the location of these kulites on the Integrated Vehicle and are categorized as follows;

<u>Major Model Component</u>	<u>Model Component</u>	<u>No. of Orifices</u>
Orbiter Total 15 Kulites	Fuselage	5
	Wing	10
External Tank Total 26 Kulites	Body	24
	Base	2
Solid Rocket Total 27 Kulites	Basic Body	27

Model forces and moments were measured by strain gauge balances as follows:

<u>Balance Location</u>	<u>Type</u>	<u>Model Forces & Moments Measured or Calculated</u>
Orbiter	6- component *AEDC/Task 2.5" MK XXX1 C	Orbiter normal force, side force, axial force, pitching moment, rolling moment and yawing moment
RH Wing	3-component	Wing normal force, bending moment and torsional moment
RH Inboard Elevon	1-component Strain gauge beam	Inboard elevon hinge moment
RH Outboard Elevon	1-component Strain gauge beam	Outboard elevon hinge moment
Dual Stings	4-component (each) Strain gauge	2" AEDC sting (used to calculate sting deflections determination only) rated loads unknown

*The backup balance was the AEDC/Task 2.5" MK XXII B

An AEDC supplied Schaevitz angular position indicator was mounted in the external tank. The output from this instrument was used to check angle of attack at zero roll angle only (i.e. $\phi = 0^\circ$).

The output of the Kulite dynamic pressure transducers were sent to the AEDC RMS (root-mean-square) meters and four (4) MUX magnetic tape recorders. IRIG time was provided to all Data Systems so that the Steady State and Dynamic Data could be correlated. Voice identification of each data point, run and point number, was also recorded on the MUX tape.

TEST FACILITY DESCRIPTION

The AEDC PWT 16-Ft. Transonic Tunnel (Propulsion Wind Tunnel, Transonic 16T) is a continuous-flow closed-circuit tunnel capable of operation within a Mach number range of 0.06 to 1.60. The tunnel can be operated within a stagnation pressure range of 120 to 4000 psfa depending upon the Mach number. The stagnation temperature can be varied from an average minimum of about 80° to a maximum of 160° F as a function of cooling water temperature. Using a special cooling system of mineral spirits, liquid nitrogen, and liquid air, the stagnation temperature range can be varied from +30° to -30° F. Supersonic velocities are obtained by use of flexible-wall, Laval type nozzles.

The test section used during the test was the High Angle Automated Sting (HAAS) cart with a test section that is 16 ft square by 40 ft long and enclosed by 60 deg inclined-hole perforated walls of six-percent porosity. The HAAS test section has a side wall angle variance capability from -2.0° (convergence) to 0.8 deg (divergence). To compensate for the HAAS strut blockage, the HAAS cart side walls have a bulge section, which has a depth of 6.0 in. The entire test section and supporting structure is constructed as a separate unit, called the test section cart, and is removable from the tunnel circuit. The test section carts may be moved to the model installation building where the test article and associated equipment are installed. The test section is completely enclosed in a plenum chamber which can be evacuated, allowing part of the tunnel main flow to be removed through the test section perforated walls, thereby unchoking the test section at near sonic speeds and alleviating wall interference effects.

The 16T HAAS sting support system was used to support and position the 0.03-scale model in the test section during the test entry. The model was supported by a dual sting arrangement consisting of two, 2.0-in. dia. stings exiting from the bases of the left and right hand solid rocket boosters (SRB). These stings were then attached by adapters to 4.16-in. dia. parallel stings which were mounted in the modified lockheed support system. This support arrangement allowed the base of the orbiter to be essentially free from any support system interference.

The sting support system utilizes computer control to position the model at angles of attack and sideslip by means of combinations of pitch and roll angles. This model support system is advantageous in that the model can be maintained at, or close to, the tunnel centerline where flow angularity is a minimum. A sketch showing the location of the 0.03-scale model in the test section is presented in Figure 6 and a photograph showing this installation is presented in Figure 7a.

TEST PROCEDURE

The model was mounted upright in the tunnel on a steel forked sting assembly (figure 6). This sting, supplied by AEDC, was constructed by Lockheed and modified by Rockwell to a nominal length of 130.96 inches. The model was mounted to the sting assembly through the base of the SRB's by two steel eccentric adapters. This forked sting assembly is set at a nominal spacing of 16 inches. This installation places the center of rotation at the base of the SRB nozzles. The model therefore transfers away from the tunnel centerline when pitched to any angle other than $\alpha = 0^\circ$, $\beta = 0$.

The general test procedure was as follows: After starting the tunnel, the desired test conditions for a particular Mach number were established as given in Table I, the test conditions were held constant while model angle of attack and sideslip were varied in a pitch pause manner. To record dynamic pressure (Kulite) data, the model attitude was held constant for a specified period of time. At the start of the test 10 to 20 seconds in addition to the force and static pressure data time was used. After run #719 this additional pause time to record the dynamic Kulite data was reduced to 6 seconds

Two Mach sweeps runs were conducted where Mach number was varied continuously from 0.6 to 1.55 while the model attitude was held constant at -4 deg angle of attack and zero sideslip angle. During the Mach sweeps the dynamic data was recorded continuously.

Flow angularity (Aerodynamic tares) were determined early in the test program. Special runs were conducted through the pitch range at 0° sideslip angle with both the model in the upright ($\phi = 0^\circ$) and inverted ($\phi = 180^\circ$) position. These were accomplished at all Mach numbers except $M = 1.55$. The tare angle was determined as the angle required to collapse the CN versus alpha curves for these runs.

Test runs were specifically conducted to determine the solid plume configuration which will yield average orbiter and external tank base pressures as close to flight values as possible. The results of these runs selected the 28° cone SRB plume set at an axial distance of 13.25 inches behind the SRB nozzle exit was the nominal configuration for tests from $M = 0.6$ through 1.25. The larger 33° cone plume at the same axial position was nominal for tests from $M = 1.25$ to 1.55. Figure 5 presents data which show the degree of base pressure match achieved.

The model attitude (Alpha & Beta) were set in the tunnel with the pitch and roll mechanism of the HAAS cart pitch and sting roll assembly. The model was pointed to the corrected Alpha-Beta angle requested on the run schedule, within setting accuracies. This model pointing angle was achieved through computer control of the pitch and roll mechanism. Real time sting deflections and flows angularity tares, were calculated and applied to the pitch and roll mechanism outputs in an iterative closed feedback loop to automatically adjust and point the model to the corrected attitude.

The pressure transducers were calibrated prior to the test and were again calibrated after the model was installed in the tunnel using the "reference" and "calibrate" ports on the ESP's in accordance with normal AEDC/PWT procedures.

After installation all pressures were either leak checked using a hand held vacuum pump or continuity checked with compressed air when the orifice was located in a position where it could not be leak checked. This checking continued throughout the test whenever there was any evidence of a problem and after model changes to check all pressures which had been disconnected during the change.

The 2.5" MK XXX1C Orbiter balance, the wing balance, and the elevon hinge moment beams were calibrated in the AEDC calibration laboratory prior to the test. The elevon hinge moment gauge calibration were checked after each change in elevon angle. All balances were check-loaded after the model was installed in the tunnel. After installation in the model, the Schaevitz angle position indicator was calibrated over the angle-of-attack range required for the test.

The strain gauge instrumented dual sting was calibrated, installed in the cart prior to installation into the tunnel. The model-sting assembly was loaded installed in the tunnel to provide checks to that calibration.

The test run number summary defining model configuration, model attitudes, and elevon deflections is presented in Table II.

DATA REDUCTION

Standard AEDC methods for computing tunnel parameters, balance forces and moments, and model attitudes were used. Force and moment coefficients (body axis system only) were computed for each balance using the axis system defined in Figure 1a. Orbiter force and moment data were adjusted to account for the difference between measured base pressure and freestream pressure. Elevon hinge moments, and wing forces and moments were calculated in coefficient form about reference locations specified for each component.

The model angle of attack and sideslip angle were corrected for sting deflections caused by model weight and aerodynamic loading. The attitude of the integrated vehicle was calculated from the sector reading, the output of the strain gauges on the forked sting, accounting for sting deflection, and the determined flow angularity tare. The attitude of the orbiter was corrected for the orbiter balance deflections. The deflection of the right hand elevons due to the applied hinge moment were also calculated and accounted for. The deflection of the wing under load was found to be insignificant and therefore was not accounted for in the data reduction.

Standard six component body axis force coefficients were computed for the balance mounted orbiter. The reference area used was the orbiter wing area, and the reference length for moment coefficients was the orbiter reference length. Forces and moments were resolved about the integrated vehicle reference center which is at the orbiter nose on the tank centerline. These Orbiter forces and moments were corrected for model weight tares. The orbiter normal force, axial force, and pitching moment were corrected for base pressure effects as determined from pressures measured on the orbiter base and body flap to yield "Orbiter forebody forces". These base pressure corrections were calculated as follows:

$$C_{NB} = - \frac{1}{S_w} \left[\tan 14.75^\circ \sum_{i=301}^{324} C_{Pi} A_i + \sum_{i=401}^{440} C_{Pi} A_i \right]$$

$$C_{AB} = - \frac{1}{S_w} \sum_{i=301}^{324} C_{Pi} A_i$$

$$C_{mB} = - \frac{1}{S_w l_b} \left[-X_1 \tan 14.75^\circ \sum_{i=301}^{324} C_{Pi} A_i - X_2 \sum_{i=401}^{440} C_{Pi} A_i + Z_1 \sum_{i=301}^{324} C_{Pi} A_i \right]$$

where X_1 , X_2 and Z_1 are the distances to the centroid of the area from the moment reference center given in the reference dimension table.

The resulting coefficients are applied as follows to obtain the Orbiter forebody coefficients:

$$\begin{aligned} C_{A_f} &= C_{A_U} - C_{A_B} \\ C_{N_f} &= C_{N_U} - C_{N_B} \\ C_{m_f} &= C_{m_U} - C_{m_B} \end{aligned}$$

Model component loads were reduced to force and moment coefficients as follows:

Wing Force Coefficients:

$$\begin{aligned} \text{Shear (Normal Force)} \quad C_{N_w} &= N_w / [(q) (S_w)] \quad \text{where: } N_w = \frac{m_1 - m_2}{a_m} \\ \text{Bending Moment} \quad C_{B_w} &= B_w / [(q) (S_w) (b_w)] \quad \text{where: } B_w = m_2 + \frac{(m_1 - m_2)d_m}{a_m} \\ \text{Torsion Moment} \quad C_{T_w} &= T_w / [(q) (S_w) (C_w)] \quad \text{where: } T_w = m_3 + \frac{(m_1 - m_2)e_m}{a_m} \end{aligned}$$

where: m_1 - wing inboard bending moment ~ in-lbs
 m_2 - wing outboard bending moment ~ in-lbs
 m_3 - wing torsion ~ in-lbs
 a_m, d_m & e_m - moment transfer distances ~ in. (see figure 1d)

Elevon Hinge Moment Coefficients:

$$\begin{aligned} C_{hei} &= H_{ei} / [(q) (S_e) (C_e)] \\ C_{heo} &= H_{eo} / [(q) (S_e) (C_e)] \end{aligned}$$

The right hand Elevon deflection angles were corrected for load deflections as follows:

$$\begin{aligned} \delta_{ei} &= \delta_{ei_{set}} + H_{ei} K_{ei} \\ \delta_{eo} &= \delta_{eo_{set}} + H_{eo} K_{eo} \end{aligned}$$

where: K_{ei} and K_{eo} are calibrated deflection constants
 $\delta_{ei_{set}}$ & $\delta_{eo_{set}}$ are Elevon deflection settings

Aero acoustic (dynamic) pressure data from the Kulites were recorded on RMS meters to directly yield P_{rms} in. (lb./ft. ²). These RMS pressures were reduced to; pressure coefficients C_{prms_i} then to the Aero Acoustic power terms (Decibels);

$$\text{Decibels:} \quad db(rms)_i = 20 \log_{10} \left[\frac{P_{rms_i} \times 10^9}{2.9} \right]$$

FORCE AND MOMENT REFERENCE CENTERS

Total Orbiter Force & Moment Resolved About the Integrated Vehicle MRC	Full Scale	Model Scale
	X_T 976	29.28
	Y_T 0	0
	Z_T 400	12.0
	X_O 235	7.05
	Y_O 0	0
	Z_O 63.5	1.905
R.H. Wing Force & Moment	X_O 1307	X_O 39.21
	Y_O 105	Y_O 3.15
	Z_O 288	Z_O 8.64
R.H. Elevon Hinge Moment About Hingeline	X_O 1387	X_O 41.61

MODEL REFERENCE DIMENSIONS

SYMBOL	MODEL SCALE AREA	FULL SCALE	DESCRIPTION
S_w	2.421 ft. ²	2690 ft. ²	Wing reference area
l_b	38.70 in.	1290.3 in.	Orbiter reference length
b_w	28.101 in.	936.7 in.	Wing bending reference length
C_w	14.244 in.	474.8 in.	Mean aerodynamic chord
S_e	0.189 ft. ²	210 ft. ²	Elevon reference area
C_e	2.721 in.	90.7 in	Elevon reference chord length
X_1	37.890 in.	1263.0 in.	Base pressure transfer distance
X_2	39.890 in.	1329.67	Base pressure transfer distance
X_2	-25.6702 in.	855.673 in.	Longitudinal transfer distance from orbiter balance referenced point to the integrated vehicle MRC
Z_1	-9.795 in	-326.5 in	Vertical transfer distance from orbiter balance center-line to integrated vehicle MRC

ORBITER BASE AREA FOR PRESSURE TAP

SYMBOL	MODEL SCALE AREA (FT. ²)	SYMBOL	MODEL SCALE AREA (FT. ²)
A ₃₀₁	0.012813	A ₃₁₃	0.022146
A ₃₀₂	0.022146	A ₃₁₄	0.025837
A ₃₀₃	0.089535	A ₃₁₅	0.014764
A ₃₀₄	0.011073	A ₃₁₆	0.025837
A ₃₀₅	0.014764	A ₃₁₇	0.025837
A ₃₀₆	0.014764	A ₃₁₈	0.025837
A ₃₀₇	0.014764	A ₃₁₉	0.013831
A ₃₀₈	0.025837	A ₃₂₀	0.013273
A ₃₀₉	0.025837	A ₃₂₁	0.030447
A ₃₁₀	0.040600	A ₃₂₂	0.018268
A ₃₁₁	0.040600	A ₃₂₃	0.012189
A ₃₁₂	0.018455	A ₃₂₄	0.018283

BODY FLAP BASE AREA FOR PRESSURE TAP

SYMBOL	MODEL SCALE AREA (FT. ²)	SYMBOL	MODEL SCALE AREA (FT. ²)
A ₄₀₁	- 0 -	A ₄₂₁	- 0 -
A ₄₀₂	- 0 -	A ₄₂₂	- 0 -
A ₄₀₃	- 0 -	A ₄₂₃	- 0 -
A ₄₀₄	- 0 -	A ₄₂₄	- 0 -
A ₄₀₅	0.01151	A ₄₂₅	- 0 -
A ₄₀₆	0.010267	A ₄₂₆	- 0 -
A ₄₀₇	0.0089838	A ₄₂₇	- 0 -
A ₄₀₈	0.0077004	A ₄₂₈	- 0 -
A ₄₀₉	- 0 -	A ₄₂₉	- 0 -
A ₄₁₀	- 0 -	A ₄₃₀	- 0 -
A ₄₁₁	- 0 -	A ₄₃₁	- 0 -
A ₄₁₂	- 0 -	A ₄₃₂	- 0 -
A ₄₁₃	0.012834	A ₄₃₃	- 0 -
A ₄₁₄	0.012834	A ₄₃₄	- 0 -
A ₄₁₆	0.012834	A ₄₃₅	- 0 -
A ₄₁₇	- 0 -	A ₄₃₆	- 0 -
A ₄₁₈	- 0 -	A ₄₃₇	.011551
A ₄₁₉	- 0 -	A ₄₃₈	.010267
A ₄₂₀	- 0 -	A ₄₃₉	.0089838
		A ₄₄₀	.0077004

The flow angularity (AFA) in the tunnel pitch-plane was determined by testing the model upright and inverted and the angle required to collapse the CN vs ALPHA curves determined. These values are shown below:

PITCH-PLANE LOW ANGLE CORRECTIONS

M	AFA	RUN #
0.60	0.008	322/323
0.80	0.069	329/330
0.90	0.085	335/336
0.95	0.010	347/348
1.05	0.081	353/354
1.10	0.067	362/363
1.15	0.118	368/369
1.25	0.097	374/375
1.30	0.093	473/474
1.35	0.117	480/481
1.40	0.068	487/488
1.50	0.010*	N/A

* Estimated

UNCERTAINTY OF MEASUREMENTS

Uncertainties (combinations of systematic and random errors) of the basic tunnel parameters were estimated from repeat calibrations of the instrumentation and from repeatability and uniformity of the test section flow during tunnel calibration, reference 2. Uncertainties in the instrumentation systems were estimated from repeat calibration of the systems against secondary standards whose uncertainties are traceable to the National Institute of Standards and Technology calibration equipment. The tunnel parameter and instrument uncertainties, for a 95-percent confidence level, were combined using the Taylor series method of error propagation described in reference 3 to determine the uncertainties of the parameters. These uncertainties are presented in the following Table.

Estimated Data Uncertainties

PARAMETER	VALUE	MACH NUMBER												
		0.60	0.80	0.90	0.95	1.05	1.10	1.15	1.25	1.30	1.35	1.40	1.55	
Orbiter	CN	0	0.0203	0.0162	0.0149	0.0144	0.0137	0.0133	0.0131	0.0126	0.0124	0.0123	0.0122	0.0119
		0.40	0.0205	0.0163	0.0150	0.0145	0.0136	0.0133	0.0130	0.0126	0.0124	0.0122	0.0121	0.0119
	CLM	0	0.0116	0.0093	0.0085	0.0083	0.0078	0.0076	0.0075	0.0072	0.0071	0.0070	0.0070	0.0068
		0.30	0.0118	0.0094	0.0086	0.0083	0.0079	0.0077	0.0075	0.0072	0.0071	0.0070	0.0069	0.0068
	CY	0	0.0104	0.0083	0.0077	0.0074	0.0070	0.0069	0.0067	0.0065	0.0064	0.0063	0.0063	0.0061
		0.10	0.0105	0.0084	0.0077	0.0075	0.0070	0.0069	0.0067	0.0065	0.0064	0.0063	0.0063	0.0061
	CLN	0	0.0060	0.0048	0.0044	0.0043	0.0040	0.0040	0.0039	0.0037	0.0037	0.0036	0.0036	0.0035
		0.10	0.0061	0.0049	0.0045	0.0043	0.0041	0.0040	0.0039	0.0038	0.0037	0.0037	0.0036	0.0036
	CLL	0	0.0027	0.0021	0.0020	0.0019	0.0018	0.0018	0.0017	0.0017	0.0016	0.0016	0.0016	0.0016
		0.05	0.0027	0.0022	0.0020	0.0019	0.0018	0.0018	0.0017	0.0017	0.0016	0.0016	0.0016	0.0016
	CA	0	0.0020	0.0016	0.0015	0.0015	0.0014	0.0013	0.0013	0.0013	0.0012	0.0012	0.0012	0.0012
		0.10	0.0022	0.0017	0.0016	0.0015	0.0014	0.0014	0.0014	0.0013	0.0013	0.0013	0.0013	0.0012
Wing	CNW	0	0.0309	0.0247	0.0228	0.0220	0.0208	0.0203	0.0199	0.0192	0.0189	0.0187	0.0185	0.0182
		0.20	0.0308	0.0246	0.0227	0.0219	0.0207	0.0202	0.0198	0.0191	0.0188	0.0186	0.0184	0.0181
	CBW	0	0.0025	0.0020	0.0019	0.0018	0.0017	0.0016	0.0016	0.0016	0.0015	0.0015	0.0015	0.0015
		0.04	0.0026	0.0020	0.0019	0.0018	0.0017	0.0017	0.0016	0.0016	0.0015	0.0015	0.0015	0.0015
	CTW	0	0.0037	0.0030	0.0027	0.0026	0.0025	0.0025	0.0024	0.0023	0.0023	0.0022	0.0022	0.0022
		0.06	0.0038	0.0030	0.0028	0.0027	0.0025	0.0025	0.0024	0.0023	0.0023	0.0022	0.0022	0.0022
Elevons	CHEI	0	0.0151	0.0121	0.0111	0.0108	0.0102	0.0099	0.0097	0.0094	0.0093	0.0091	0.0090	0.0089
		0.08	0.0161	0.0128	0.0118	0.0115	0.0108	0.0106	0.0103	0.0100	0.0098	0.0097	0.0096	0.0094
	CHEO	0	0.0205	0.0164	0.0151	0.0146	0.0138	0.0135	0.0132	0.0127	0.0126	0.0124	0.0123	0.0120
		0.08	0.0203	0.0163	0.0150	0.0145	0.0137	0.0134	0.0131	0.0126	0.0125	0.0123	0.0122	0.0119
Pressure Coefficients	CP	0.5	0.0112	0.0090	0.0099	0.0095	0.0087	0.0084	0.0081	0.0077	0.0075	0.0072	0.0071	0.0067
		0.0	0.0112	0.0096	0.0084	0.0085	0.0080	0.0078	0.0076	0.0073	0.0072	0.0071	0.0071	0.0068
		-0.5	0.0145	0.0110	0.0083	0.0081	0.0077	0.0075	0.0074	0.0072	0.0071	0.0071	0.0071	0.0071

REFERENCES

1. SSD91DO112A, Pretest Information for ASRB Test IA-613A of the 0.03-Scale 47-OTS Pressure Loads Space Shuttle model in the AEDC 16-Foot Transonic Wind Tunnel" dated March 9, 1991.
2. AEDC-TSR-91-P13," Effects of the Advanced Solid Propellant Rocket Motor (ASRM) on the Space Shuttle Launch Configuration (IA-613A)", dated June 1991.
3. Abernethy, R.B. and Thompson, J.W. Jr., "Handbook-Uncertainty in Gas Turbine Measurements." AEDC-TR-73-5 (AD755 356), February. 1973.
4. NASA-CR-167,671 "Results of Cold Plume Tests of the 0.010 Scale Model (75-OTS) in the NASA Ames Research Center 11x11-foot Wind Tunnel(IA-300)", dated September 1983
5. NASA Technical Paper 2569 "Investigation of Solid Plume Simulation Criteria to Produce Flight Plume Effects on Multibody Configurations in Wind Tunnel Tests" by Alonzo L. Frost and Charlie C. Dill, dated March 1986

Table I Summary of Test Conditions

NOMINAL TEST CONDITIONS

MACH NUMBER	PT (psfa)	RE x 10⁶	Q (psf)	TT (deg F)	P (psfa)
0.60	1598	2.5	316	100	1253
0.80	1342	"	394	"	880
0.90	1274	"	427	"	753
0.95	1249	"	442	"	699
1.05	1216	"	467	"	606
1.10	1206	"	479	"	565
1.15	1200	"	489	"	528
1.25	1198	"	506	"	463
1.30	1201	"	513	"	434
1.35	1207	"	519	"	407
1.40	1216	"	524	"	382
1.55	1255	"	534	"	318

Mach Sweeps

M = 0.6 to 1.1 continuous sweep @ P_T approx. = 1400 PSF

M > 1.1, M = 1.15, 1.25, 1.30, 1.35, 1.40, and 1.55 @ Re = 2.5 x 10⁶

TABLE II - PRESSURE LOADS TEST OF SSV IN PRESENCE OF ASRB (IA613A)
 RUN SCHEDULE

TEST: IA613A (AEDC 16TF-829)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: MAR/APR 1991								
DATA SET IDENTIFIER	CONFIGURATION	SCHD.	CONTROL DEFLECTION			BETA				+4										
			alpha mach	Plume	IEA	ELVI	ELVCO	-4	0					+4						
RCO001	ORB/ET (DOOR OFF) +	A .60	OFF	TOP	10	9				324	325		326							
RCO002	RSRM	A .80	OFF	TOP	10	9				331	332		333							
RCO003		A .90	OFF	TOP	10	9				343	344*		345							
RCO004		A .95	OFF	TOP	10	9				349	350		351							
RCO005		A 1.05	OFF	TOP	10	9				355	356		360							
RCO006		A 1.10	OFF	TOP	10	9				364	365*		366							
RCO007		A 1.15	OFF	TOP	10	9				370	371		372							
RCO008		A 1.25	OFF	TOP	10	9				376	377		378							
RCO009		A 1.25	OFF	TOP	10	5				503	504*		505							
RCO010		A 1.30	OFF	TOP	10	5				507	508		509							
RCO011		A 1.35	OFF	TOP	10	5				511	512		513							
RCO012		A 1.40	OFF	TOP	10	5				514	515*		516							
RCO013		A 1.40	OFF	TOP	10	-5				557	558		559							
RCO014		A 1.55	OFF	TOP	10	-5				561	562		563							
RCO015	B/L ORB/ET + RSRM	A .60	S1,2	TOP	10	9				619	620		621							
RCO016		A .80	S1,2	TOP	10	9				623	624		625							
RCO017		A .90	S1,2	TOP	10	9				626	627*		628							
RCO018		A .95	S1,2	TOP	10	9				630	631		632							
RCO019		A 1.05	S1,2	TOP	10	9				633	634		635							
RCO020		A 1.10	S1,2	TOP	10	9				637	647*		639							

T B S T R U N N U M B E R S

* INCLUDES ALPHA -4.5 DEG @ M =0.9;

-4.7 DEG @ M=1.1; -5.1 DEG @ M=1.25;

-4.8 DEG @ M=1.40

A: ALPHA = -8, -4, 0, +4 DEG.

IEABOX = 0.0 = TOP

= 180.0 = BOTTOM

= 999.0 = TOP + BOTTOM

alpha or beta

SCHEDULES

TABLE II -- PRESSURE LOADS TEST OF SSV IN PRESENCE OF ASRB (IA613A)
RUN SCHEDULE

TEST: IA613A (AEDC 16TF-829)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: MAR/APR 1991													
DATA SBT IDENTIFIER	CONFIGURATION	SCHD. alpha mach	CONTROL DEFLECTION			BETA				T	B	S	T	R	U	N	N	U	M	B	B	R	S		
			Plume	IEA	ELVI	ELVO	-4	0	+4																
RCO021	B/L ORB/ET + RSRM	A 1.15	S1,2	TOP	10	9	640	641	642																
RCO022		A 1.25	S1,2	TOP	10	9	644	645	646																
RCO023	ORB/ET(DOOR OFF) +	A 1.25	S1,3	TOP	10	5	469	470*	471																
RCO024	RSRM	A 1.30	S1,3	TOP	10	5	476	477	478																
RCO025		A 1.35	S1,3	TOP	10	5	482	483	485																
RCO026		A 1.40	S1,3	TOP	10	5	489	490*	492																
RCO027		A 1.40	S1,3	TOP	10	-5	541	542	543																
RCO028		A 1.55	S1,3	TOP	10	-5	545	546	547																
RCO029	B/L ORB/ET + ASRM	A .60	OFF	TOP	10	9	689	690	691																
RCO030		A .80	OFF	TOP	10	9	693	694	695																
RCO031		A .90	OFF	TOP	10	9	696	697*	698																
RCO032		A .95	OFF	TOP	10	9	702	703	704																
RCO033		A 1.05	OFF	TOP	10	9	705	706	707																
RCO034		A 1.10	OFF	TOP	10	9	709	710*	711																
RCO035		A 1.15	OFF	TOP	10	9	712	713	714																
RCO036		A 1.25	OFF	TOP	10	9	715	716	717																
RCO037		A 1.25	OFF	TOP	10	5	1449	1450*	1451																
RCO038		A 1.30	OFF	TOP	10	5	1453	1454	1455																
RCO039		A 1.35	OFF	TOP	10	5	1457	1458	1459																
RCO040		A 1.40	OFF	TOP	10	5	1460	1461*	1462																

* INCLUDES ALPHA -4.5 DEG @ M=0.9;
-4.7 DEG @ M=1.10; -5.1 DEG @ M=1.25 DEG;
=4.8 DEG @ M=1.40

A: ALPHA = -8, -4, 0, +4, DEG.

alpha or beta
SCHEDULES

TABLE II - PRESSURE LOADS TEST OF SSV IN PRESENCE OF ASRB (IA613A)
 RUN SCHEDULE

DATA SET		DATA SET/RUNNUMBER COLLATION SUMMARY										DATE: MAR/APR 1991	
IDENTIFIER	CONFIGURATION	SCHD.	CONTROL DEFLECTION				BETA						
		alpha mach	Plume	IEA	ELVI	ELVO	-4	0	+4				
RCO041	B/L ORB/ET + ASRM	A 1.55	OFF	TOP	10	5	1464	1465	1466				
RCO042		A .60	S1,2	TOP	10	9	837	838	839				
RCO043		A .80	S1,2	TOP	10	9	833	834	835				
RCO044		A .90	S1,2	TOP	10	9	830	831*	832				
RCO045		A .95	S1,2	TOP	10	9	827	828	829				
RCO046		A 1.05	S1,2	TOP	10	9	823	824	825				
RCO047		A 1.10	S1,2	TOP	10	9	820	821*	822				
RCO048		A 1.15	S1,2	TOP	10	9	816	817	818				
RCO049		A 1.25	S1,2	TOP	10	9	813	814	815				
RCO050		A 1.30	S1,2	TOP	10	9	810	811	812				
RCO051		A 1.35	S1,2	TOP	10	9	806	807	808				
RCO052		A 1.40	S1,2	TOP	10	9	803	804	805				
RCO053		A 1.25	S1,3	TOP	10	5	1373	1374*	1375				
RCO054		A 1.30	S1,3	TOP	10	5	1377	1378	1379				
RCO055		A 1.35	S1,3	TOP	10	5	1380	1381	1382				
RCO056		A 1.40	S1,3	TOP	10	5	1385	1386*	1387				
RCO057		A 1.55	S1,3	TOP	10	5	1388	1389	1390				
RCO058		A 1.40	S1,3	TOP	10	-5	1525	1526	1527				
RCO059		A 1.55	S1,3	TOP	10	-5	1529	1530	1531				
RCO060		A .60	S1,2	TOP	10	5	1352	1353	1354				

alpha or beta
 SCHEDULES

A: ALPHA = -8, -4, 0, +4 DEG.
 * INCLUDES ALPHA -4.5 DEG @ M=0.90;
 -4.7 DEG @ M=1.10; -5.1 DEG @ M=1.25;
 -4.8 DEG @ M=1.40

TABLE II - PRESSURE LOADS TEST OF SSV IN PRESENCE OF ASRB (IA613A)
RUN SCHEDULE

TEST: IA613A (AEDC 16TF-829)		DATA SET/RUNNUMBER COLLATION SUMMARY										DATE: MAR/APR 1991												
DATA SET IDENTIFIER	CONFIGURATION	SCHD. alpha	CONTROL DEFLECTION			BETA				T	E	S	T	R	U	N	N	U	M	B	E	R	S	
			Plume	IEA	ELVI	ELVCO	-4	0	+4															
RCO061	B/L ORB/ET + ASRM	A .90	S1,2	TOP	10	5	1356	1357	1358															
RCO062		A 1.10	S1,2	TOP	10	5	1359	1360	1361															
RCO063		A 1.15	S1,2	TOP	10	5	1362	1363	1364															
RCO064		A 1.25	S1,2	TOP	10	5	1365	1366	1367															
RCO065		A .60	OFF	BOT	10	9	722	723	724															
RCO066		A .80	OFF	BOT	10	9	725	726	727															
RCO067		A .90	OFF	BOT	10	9	728	729*	730															
RCO068		A .95	OFF	BOT	10	9	732	733	734															
RCO069		A 1.05	OFF	BOT	10	9	735	736	737															
RCO070		A 1.10	OFF	BOT	10	9	738	739*	740															
RCO071		A 1.15	OFF	BOT	10	9	741	742	743															
RCO072		A 1.25	OFF	BOT	10	9	745	746	747															
RCO073		A 1.25	OFF	BOT	10	5	1427	1428*	1429															
RCO074		A 1.30	OFF	BOT	10	5	1431	1432	1433															
RCO075		A 1.35	OFF	BOT	10	5	1435	1436	1437															
RCO076		A 1.40	OFF	BOT	10	5	1438	1439*	1440															
RCO077		A 1.55	OFF	BOT	10	5	1441	1442	1443															
RCO078		A 1.40	OFF	BOT	10	-5	1559	1560	1561															
RCO079		A 1.55	OFF	BOT	10	-5	1563	1564	1565															
RCO080		A .60	S1,2	BOT	10	9	756	757	758															

alpha or beta SCHEDULES

A: ALPHA = -8, -4, 0, +4 DEG.

* INCLUDES ALPHA -4.5 DEG @ M=0.90;
-4.7 DEG @ M=1.10; -5.1 DEG @ M=1.25;
-4.8 DEG @ M=1.40

TABLE II - PRESSURE LOADS TEST OF SSV IN PRESENCE OF ASRB(A613A) RUN SCHEDULE

TEST: IA613A (AEDC 16TF - 829)		DATA SET/RUNNUMBER COLLATION SUMMARY											DATE: MAR/APR 1991
DATA SET IDENTIFIER	CONFIGURATION	SCHD. alpha mach	CONTROL DEFLECTION				BETA					TEST RUN NUMBERS	
			Plume	IEA	ELVI	ELVC	-4	0	+4				
RCO081	B/L ORB/ET + ASRM	A .80	S1,2	BOT	10	9		760	761	762			
RCO082		A .90	S1,2	BOT	10	9		765	766*	767			
RCO083		A .95	S1,2	BOT	10	9		768	769	770			
RCO084		A 1.05	S1,2	BOT	10	9		778	779	780			
RCO085		A 1.10	S1,2	BOT	10	9		782	783*	784			
RCO086		A 1.15	S1,2	BOT	10	9		785	786	787			
RCO087		A 1.25	S1,2	BOT	10	9		788	789	790			
RCO088		A 1.25	S1,3	BOT	10	5		1400	1401*	1402			
RCO089		A 1.30	S1,3	BOT	10	5		1405	1407	1408			
RCO090		A 1.35	S1,3	BOT	10	5		1410	1411	1412			
RCO091		A 1.40	S1,3	BOT	10	5		1413	1414*	1415			
RCO092		A 1.55	S1,3	BOT	10	5		1416	1417	1418			
RCO093		A 1.40	S1,3	BOT	10	-5		1540	1541	1542			
RCO094		A 1.55	S1,3	BOT	10	-5		1544	1545	1546			
RCO095		A .60	OFF	BOT	8	9		1619	1620	1621			
RCO096		A .80	OFF	BOT	8	9		1623	1624	1625			
RCO097		A .90	OFF	BOT	8	9		1626	1627	1628			
RCO098		A .95	OFF	BOT	8	9		1629	1630	1631			
RCO099		A 1.05	OFF	BOT	8	9		1632	1633	1634			
RCO0A0		A 1.10	OFF	BOT	8	9		1636	1637	1638			

alpha or beta SCHEDULES
A: ALPHA = -8, -4, 0, +4 DEG.
* INCLUDES ALPHA -4.5 DEG @ M=.90;
-4.7 DEG @ M=1.10; -5.1 DEG @ M=1.25;
-4.8 DEG @ M=1.40

TABLE II - PRESSURE LOADS TEST OF SSV IN PRESENCE OF ASRB (IA613A)
RUN SCHEDULE

TEST: IA613A (AEDC 16TF - 829)		DATA SET/RUNNUMBER COLLATION SUMMARY										DATE: MAR/APR 1991														
DATA SET IDENTIFIER	CONFIGURATION	SCHD.	CONTROL DEFLECTION			BETA				T	E	S	T	R	U	N	N	U	M	B	B	E	R	S		
			alpha mach	Plume	IEA	ELVI	ELVC	-4	0																+4	
RC00A1	B/L ORB/ET + ASRM	A 1.15	OFF	BOT	8	9	1639	1640	1641																	
RC00A2		A 1.25	OFF	BOT	8	9	1642	1643	1644																	
RC00A3		A 1.25	OFF	BOT	8	5	1674	1675	1676																	
RC00A4		A 1.30	OFF	BOT	8	5	1679	1680	1681																	
RC00A5		A 1.35	OFF	BOT	8	5	1682	1683	1684																	
RC00A6		A 1.40	OFF	BOT	8	5	1685	1686	1687																	
RC00A7		A 1.55	OFF	BOT	8	5	1689	1690	1691																	
RC00A8		A .60	S1,2	BOT	8	9	1586	1587	1588																	
RC00A9		A .80	S1,2	BOT	8	9	1590	1591	1592																	
RC00B0		A .90	S1,2	BOT	8	9	1593	1594	1595																	
RC00B1		A .95	S1,2	BOT	8	9	1596	1597	1598																	
RC00B2		A 1.05	S1,2	BOT	8	9	1599	1600	1601																	
RC00B3		A 1.10	S1,2	BOT	8	9	1603	1604	1605																	
RC00B4		A 1.15	S1,2	BOT	8	9	1606	1607	1608																	
RC00B5		A 1.25	S1,2	BOT	8	9	1609	1610	1611																	
RC00B6		A 1.25	S1,3	BOT	8	5	1654	1655	1656																	
RC00B7		A 1.30	S1,3	BOT	8	5	1658	1659	1660																	
RC00B8		A 1.35	S1,3	BOT	8	5	1662	1663	1664																	
RC00B9		A 1.40	S1,3	BOT	8	5	1665	1666	1667																	
RC00C0		A 1.55	S1,3	BOT	8	5	1669	1670	1671																	

A: ALPHA = -8, -4, 0, +4 DEG.

alpha or beta
SCHEDULES

TABLE II -- PRESSURE LOADS TEST OF SSV IN PRESENCE OF ASRB (IA613A)
 RUN SCHEDULE

TEST: IA613A (AEDC 16TF - 829)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: MAR/APR 1991																	
DATA SET IDENTIFIER	CONFIGURATION	SCHED.		CONTROL DEFLECTION				BETA				T	E	S	T	R	U	N	N	U	M	B	B	E	R	S			
		alpha	mach	Plume	IEA	ELVI	ELVO	-4	0	+4	0																+4		
RCO0C1	B/L ORB/ET + ASRM	A	.60	S1,2	T+B	10	5	1477	1478	1479																			
RCO0C2		A	.90	S1,2	T+B	10	5	1481	1482	1483																			
RCO0C3		A	1.10	S1,2	T+B	10	5	1484	1485	1486																			
RCO0C4		A	1.15	S1,2	T+B	10	5	1488	1489	1490																			
RCO0C5		A	1.25	S1,2	T+B	10	5	1491	1492	1493																			
RCO0C6		A	1.25	S1,3	T+B	10	5	1501	1502	1503																			
RCO0C7		A	1.30	S1,3	T+B	10	5	1505	1506	1507																			
RCO0C8		A	1.35	S1,3	T+B	10	5	1508	1509	1510																			
RCO0C9		A	1.40	S1,3	T+B	10	5	1512	1513	1514																			
RCO0D0		A	1.55	S1,3	T+B	10	5	1515	1516	1517																			
RCO0D1	ORB/ET(MIRROR) + ASRM	A	.60	S1,2	TOP	10	5	1720	1721	1722																			
RCO0D2		A	.80	S1,2	TOP	10	5	1724	1725	1726																			
RCO0D3		A	.90	S1,2	TOP	10	5	1727	1728	1729																			
RCO0D4		A	.95	S1,2	TOP	10	5	1730	1731	1732																			
RCO0D5		A	1.05	S1,2	TOP	10	5	1733	1734	1735																			
RCO0D6		A	1.10	S1,2	TOP	10	5	1737	1738	1739																			
RCO0D7		A	1.15	S1,2	TOP	10	5	1740	1741	1742																			
RCO0D8		A	1.25	S1,2	TOP	10	5	1743	1744	1745																			
RCO0D9		A	1.25	S1,3	TOP	10	5	1698	1699	1700																			
RCO0E0		A	1.30	S1,3	TOP	10	5	1702	1703	1704																			

A: ALPHA = -8, -4, 0, +4 DEG.

alpha or beta
 SCHEDULES

TABLE II - PRESSURE LOADS TEST OF SSV IN PRESENCE OF ASRB(A613A)
RUN SCHEDULE

TEST: IA613A (AEDC 16TF-829)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: MAR/APR 1991																
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION						BETA		T	B	S	T	R	U	N	N	U	M	B	B	R	S			
		alpha	mach	Plume	IEA	ELVI	ELVO	-4	0	+4																		
RCO0E1	ORB/ET(MIRROR) + ASRM	A	1.35	S1,3	TOP	10	5	1706	1707	1708																		
RCO0E2		A	1.40	S1,3	TOP	10	5	1709	1710	1711																		
RCO0E3		A	1.55	S1,3	TOP	10	5	1712	1713	1714																		
RCO0E4	B/L ORB/ET + RSRM	A	.60	OFF	TOP	10	9		664																			
RCO0E5		A	.80	OFF	TOP	10	9		665																			
RCO0E6		A	.90	OFF	TOP	10	9		666*																			
RCO0E7		A	.95	OFF	TOP	10	9		667																			
RCO0E8		A	1.05	OFF	TOP	10	9		668																			
RCO0E9		A	1.10	OFF	TOP	10	9		670*																			
RCO0F0		A	1.15	OFF	TOP	10	9		671																			
RCO0F1		A	1.25	OFF	TOP	10	9		672*																			
RCO0F2		A	1.35	OFF	TOP	10	9		675																			
RCO0F3		A	1.40	OFF	TOP	10	9		676*																			
RCO0F4		A	1.55	OFF	TOP	10	9		678																			
RCO0F5		A	1.30	OFF	TOP	10	9																					
RCO0F6		A	1.35	OFF	TOP	10	9																					
RCO0F7	ORB/ET(DOOR OFF) +	-4	.60	S1,2	TOP	10	5																					
RCO0F8	RSRM	-4	.80	S1,2	TOP	10	5																					
RCO0F9		-4	.90	S1,2	TOP	10	5																					
RCO0G0		-4	.95	S1,2	TOP	10	5																					

* INCLUDES ALPHA -4.5 DEG @ M=0.90;
-4.7 DEG @ M=1.10; -5.1 DEG @ M=1.25;
-4.8 DEG @ M=1.40

A: ALPHA = -8, -4, 0, +4 DEG.

alpha or beta
SCHEDULES

TABLE II -- PRESSURE LOADS TEST OF SSV IN PRESENCE OF ASRB RUN SCHEDULE

TEST: IA613A (AEDC 16TF-829)		DATA SET/RUNNUMBER COLLATION SUMMARY						DATE: MAR/APR 1991			
DATA SET IDENTIFIER	CONFIGURATION	SCHD. alpha mach	CONTROL DEFLECTION			BETA					
			Plume	IEA	ELVI	ELVCO	-4	0	+4		
RCO0G1	ORB/ET(DOOR OFF) +	-4 1.05	S1,2	TOP	10	5					
RCO0G2	RSRM	-4 1.10	S1,2	TOP	10	5					
RCO0G3		-4 1.15	S1,2	TOP	10	5					
RCO0G4		-4 1.25	S1,2	TOP	10	5					
RCO0G5		-4 1.25	S1,2	TOP	10	5					
RCO0G6		-4 1.30	S1,2	TOP	10	5					
RCO0G7		-4 1.35	S1,2	TOP	10	5					
RCO0G8		-4 1.40	S1,2	TOP	10	5					
RCO0G9		-4 1.25	S1,3	TOP	10	5					
RCO0H0		-4 1.40	S1,3	TOP	10	5					
RCO0H1		-4 1.55	S1,3	TOP	10	5					
RCO0H2	B/L ORB/ET + ASRM	A .90	S1,2	BOT	10	9					
RCO0H3		A 1.05	S1,2	BOT	10	9	763				
RCO0H4	B/L ORB/ET + RSRM	A 1.10	S1,2	TOP	10	9	773			776	
RCO0H5		A 1.25	S1,2	TOP	10	9					
RCO0H6		A 1.30	S1,2	TOP	10	9					
RCO0H7		A 1.35	S1,2	TOP	10	9					
RCO0H8		A 1.40	S1,2	TOP	10	9					
RCO0H9		A 1.55	S1,2	TOP	10	9					
RCO0I0		-4 SWP	S1,2	TOP	10	9					

* INCLUDES ALPHA --4.5 DEG @ M=0.90;
 --4.7 DEG @ M=1.10; --5.1 DEG @ M=1.10;
 --4.8 DEG @ M=1.40

A: ALPHA = -8, -4, 0, +4 DEG.

alpha or beta
 SCHEDULES

TABLE II - PRESSURE LOADS TEST OF SSV IN PRESENCE OF ASRB (IA613A) RUN SCHEDULE

TEST: IA613A (AEDC 16TF--829)			DATA SET/RUNNUMBER COLLATION SUMMARY								DATE: MAR/APR 1991		
DATA SET IDENTIFIER	CONFIGURATION	SCHD. alpha/mach	CONTROL DEFLECTION				BETA				T E S T R U N N U M B E R S		
			Plumet	IEA	ELVI	ELVC	-4	0	+4				
RC001	B/L ORB/ET + ASRM	-4 SWF	S1,2	TOP	10	9					798		

alpha or beta
SWP = MACH SWEEP: 0.6 TO 1.55
SCHEDULES

TABLE II - (Continued)

VOLUME I - FORCE DATA

<u>1ST CHARACTER ID</u>	<u>1ST IND. VAR.</u>	<u>2ND IND. VAR.</u>	<u>COEFFICIENTS</u>
R	BETA	ALPHA	MACH CN CNF CLM CLMF CA CAF CY CYN CBL
S	BETA	ALPHA	MACH PHI CHEI CHEO CNW CBW CTW
T	BETA	ALPHA	MACH CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS

R DATASETS PAGES 1-167
 S DATASETS PAGES 168-334
 T DATASETS PAGES 335-501

NOTE: The first and second independent variable for the Mach sweep runs (D/S's I0 and I1) are ALPHA and MACH, respectively and the fourth character of the dataset ID is used to identify subdivisions of the Mach sweep.

VOLUME II - PRESSURE DATA

<u>4TH CHARACTER ID</u>	<u>COMPONENT</u>	<u>PRINT PAGE NO.</u>	<u>MICROFICHE PAGE NO.</u>
B	ORBITER FUSELAGE	1- 2810	1 - 45
E	ORBITER BASE	2811- 4039	45- 65
G	BODY FLAP -UPPER SURFACE	4040- 4741	65- 76
F	BODY FLAP - LOWER SURFACE	4742- 5443	76- 87
U	WING - UPPER SURFACE	5444- 8953	88-143
L	WING - LOWER SURFACE	8954-12801	143-204
V	VERTICAL TAIL	12802-13660	204-218
T	EXTERNAL TANK	13661-17209	219-275
A	EXTERNAL TANK BASE	17210-18438	275-294
M	EXTERNAL TANK LO ₂ FEEDLINE	18439-19352	294-309
S	LEFT SRB	19353-21136	310-338
C	LEFT SRB BASE	21137-21668	338-346
H	SRB SYSTEMS TUNNEL	21669-22897	346-366

NOTE: For the Mach sweep datasets (D/S's I0 and I1) the first character of the dataset ID is used to identify subdivisions.

TABLE II (Concluded)

VOLUME II - KULITE DATA (DBRMS)

<u>4TH CHARACTER ID</u>	<u>COMPONENT</u>	<u>PRINT PAGE NO.</u>	<u>MICROFICHE PAGE NO.</u>
N	ORBITER FUSELAGE	22898-23443	367-375
O	WING - UPPER SURFACE	23444-23886	375-382
P	WING - LOWER SURFACE	23887-24432	382-391
Q	EXTERNAL TANK	24433-25522	391-408
R	LEFT SRB	25523-26612	408-426

NOTE: 1st Character ID for Kulite data is K except for the Mach sweep runs where it is used to identify subdivisions of D/S's I0 and I1.

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A SSV MODEL 47-OTS ORBITER ESP HOOKUP

ESP PORT No.	ESP #1 Fuselage		ESP #2 Fuselage		ESP #3 Fuselage/Wing	
	Press. No.	COMMENT	Press. No.	COMMENT	Press. No.	Comment
1	Cal.		Cal.		Cal.	
2	1		58		113	
3	2		59		114	
4	3		60		115	
5	5		61		116	
6	6		62		117	
7	7		63		118	
8	8		64		119	
9	9		65		121	
10	10		69		122	
11	11		70		123	
12	12		71		124	
13	13		72		125	
14	17		73		126	
15	18		74		127	
16	19		75		128	
17	20		76		130	BC/(Plugged)
18	21		77		131	? (watch)
19	22		78		132	
20	23		79		133	
21	24		80		134	
22	25		81		135	
23	29		85		136	
24	30		86		137	
25	31		87		138	
26	32		88	BC/(Plugged)	140	BC/(Plugged)
27	33		89		141	
28	34		90		142	
29	35		91		143	
30	36		92		144	
31	37		94		145	
32	Cal.		Cal.		Cal.	
33	41	BC/(Out)	95		146	
34	42		96		147	
35	43		97		148	
36	44		98		150	
37	45		99		151	
38	46		100		601	
39	47		101		602	
40	48		103		603	
41	49		104		604	
42	53		105		605	
43	54		106		606	BC/(Leak)
44	55		107		607	
45	56		108		608	
46	57		109		609	
47	Open		110		610	
48	Open		112		611	

Note: BC is Bad Code - Data No Good
 >R#xxx is Runs Greater Than R#xxx
 ? is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

ORBITER ESP HOOKUP

PORT No.	ESP #4 Wing		ESP #5 Wing		ESP #6 Wing	
	Press. No.	COMMENT	Press. No.	COMMENT	Press. No.	COMMENT
1	Cal.		Cal.		Cal.	
2	612		658		707	
3	613		659		708	
4	614		660		709	
5	615		661		710	
6	616		662		711	
7	617		663	? (watch)	712	
8	618	BC/(Out)	664		713	
9	619	BC/(Out)	665		714	
10	620		667		716	
11	621		668		717	
12	622		669		718	
13	623		670		719	
14	624		671		720	
15	625		672		721	
16	626		673		722	
17	627		674		723	
18	628		675		724	
19	629		676		725	
20	630		677		726	
21	631		678		727	
22	633		679		728	
23	634		680		729	
24	635		681		730	
25	636		682		732	
26	637		684		733	
27	638		685		734	
28	639		686		735	
29	640		687		736	
30	641		688		737	
31	642		689		738	
32	Cal.		Cal.		Cal.	
33	643		690		739	BC/(Leak)
34	644		691		740	
35	645		692		741	
36	646		693	BC/(Out)	742	
37	647		694		743	
38	648		695		744	BC/(Plugged)
39	650		696		745	
40	651		697	BC/(behind screw hole)	746	
41	652		698		748	
42	653		700		749	
43	654		701		750	
44	655		702		751	
45	656		703		752	
46	657		704		753	
47	Open		705	SL @R#1583	214	
48	Open		706		215	

Note: BC is Bad Code - Data No Good
 >R#xxx is Runs Greater Than R#xxx
 ? is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

ORBITER ESP HOOKUP

PORT No.	ESP #7 Wing		ESP #8 Wing		ESP #9 Wing	
	Press. No.	COMMENT	Press. No.	COMMENT	Press. No.	COMMENT
1	Cal.		Cal.		Cal.	
2	754		803		848	
3	755		804		849	?(watch)
4	756		805		850	
5	757		806		851	
6	758		807		852	
7	759		808		853	
8	760		809		854	
9	761		810		855	
10	762		812		857	
11	764		813	BC(Out)	858	SL>R#1583
12	765		814		859	
13	766		815	?>R#557	860	
14	767		816		861	
15	768		817		862	
16	769		818		863	
17	770		819		864	
18	771		820		865	
19	772		821		866	
20	773		822		867	
21	774		823		868	
22	775		824		869	BC>R#1583
23	776		825		870	
24	777		827		872	
25	778	? (watch)	828		873	BC(Out)
26	780		829		874	
27	781		830		875	
28	782		831		876	
29	783		832		877	
30	784		833		878	
31	785		834		879	
32	Cal.		Cal.		Cal.	
33	786		835		880	
34	787		836		881	
35	788		837		882	
36	789		838		883	
37	790		839		884	
38	791		840		885	LK R#1525-1539
39	792		295		887	
40	793		296		888	
41	794		844		889	
42	796		845		890	
43	797	? (watch)	846		891	
44	798		847		892	
45	799		291		Open	
46	800		292		Open	
47	801		293		Open	
48	802		294		Open	

Note: BC is Bad Code - Data No Good
 >R#xxx is Runs Greater Than R#xxx
 ? is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

ORBITER ESP HOOKUP

ESP PORT No.	ESP #10 Wing & Fuselage		ESP #11 Fuselage		ESP #12 Fuselage	
	Press. No.	COMMENT	Press. No.	COMMENT	Press. No.	COMMENT
1	Cal.		Cal.		Cal.	
2	893		218		301	
3	894		219		302	
4	895		220		303	
5	896		221		304	
6	897		222		305	
7	898		223		306	
8	901	BC/(Open)	224		307	
9	900		225	BC/>R#385	308	
10	902		226		309	
11	903		227		310	
12	904		183		311	
13	905		184		312	
14	906	BC/(Not Exist)	185		313	
15	907		186		314	
16	909		187		315	
17	910		188		316	
18	911		189		317	
19	912		190		318	
20	152		191		319	
21	154		192		320	
22	155		193		321	
23	156		194		322	
24	157		195		323	
25	158		196		324	
26	159		197		401	
27	161		198		402	
28	162		199		403	
29	163		200		404	
30	164		201		405	
31	165		202		406	
32	Cal.		Cal.		Cal.	
33	166		288		407	
34	167		289		408	
35	168		290		409	
36	169		204		410	
37	170		205		411	
38	171		206		412	
39	173		207		413	
40	174		208		414	
41	175		209		415	
42	176		210		416	Sub #424/(Open)
43	177		211		417	
44	178		212		418	
45	179		216		419	
46	180		217		420	
47	181		576		421	
48	Open		297		422	

Note: BC is Bad Code - Data No Good
 >R#xxx is Runs Greater Than R#xxx
 ? is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A SSV MODEL 47-OTS ORBITER ESP HOOKUP

ESP PORT No.	ESP #13 Body Flap & V.T.		ESP #14 Vertical Tail			
	Press. No.	COMMENT	Press. No.	COMMENT		
1	Cal.		Cal.			
2	423		530			
3	424		531			
4	425		532			
5	426		533			
6	427		534			
7	428		535			
8	429		536			
9	430		537			
10	431		538			
11	432		539			
12	433		540			
13	434		541			
14	435		542			
15	436		543			
16	437		544			
17	438		545			
18	439		546			
19	440		547			
20	501		548			
21	502		549			
22	503		550			
23	504		551			
24	505		552			
25	506		553			
26	507		554			
27	509		555			
28	510		556			
29	511		557			
30	512		558			
31	513		559			
32	Cal.		Cal.			
33	514		560			
34	515		561			
35	516		562			
36	517		563			
37	518		564			
38	519		565			
39	520		566			
40	521		567			
41	522		568			
42	523		569			
43	524		570			
44	525		571			
45	526		572			
46	527		573			
47	528		574			
48	529		575			

Note: BC is Bad Code - Data No Good
 >R#xxx is Runs Greater Than R#xxx
 ? is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

EXTERNAL TANK ESP HOOKUP

ESP # PORT No.	ESP #15 Spike Nose		ESP #16 Ogive		ESP #17 Ogive	
	Press. No.	COMMENT	Press. No.	COMMENT	Press. No.	COMMENT
1	Cal.		Cal.		Cal.	
2	1002		1046		1088	
3	1003		1047		1089	
4	1004		1048		1090	
5	1005		1049		1091	
6	1006		1050		1092	
7	1007		1051		1093	
8	1008		1052		1094	
9	1009		1053		1095	
10	1010		1054		1096	
11	1011		1055		1097	
12	1012		1056		1098	
13	1013		1057		1099	
14	1014		1058		1100	
15	1015		1059		1101	
16	1016		1060		1102	
17	1017		1061		1103	
18	1018		1062		1104	
19	1019		1063		1105	
20	1020		1064	BC/(Plugged>R#407)	1106	
21	1021		1065		1107	
22	1022		1066		1108	
23	1023		1067		1109	
24	1024	? (watch)	1068		1110	BC/(>R#447)
25	1025		1069		1111	
26	1026		1070		1112	
27	1027		1071		1113	
28	1028		1072		1114	
29	1029		1073		1115	
30	1030		1074		1116	
31	1031		1075		1117	
32	Cal.		Cal.		Cal.	
33	1032		1076		1118	
34	1033		1077		1119	
35	1034		1078		1120	
36	1035		1079		1121	
37	1036		1080		1122	
38	1037	BC/(>R#469)	1081		1123	
39	1038		1082		1124	
40	1039		1083		1125	
41	1040		1084		1126	
42	1041		1085		1127	
43	1042		1086		1128	
44	1043		1087		1129	
45	1044		Open		Open	
46	1045		Open		Open	
47	Open		Open		Open	
48	Open		Open		Open	

Note: BC Is Bad Code - Data No Good
 >R#xxx Is Runs Greater Than R#xxx
 ? Is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

EXTERNAL TANK ESP HOOKUP

ESP #18 Mid & Aft-Body			ESP #19 Mid & Aft-Body			ESP #20 Mid & Aft-Body		
ESP PORT No.	Press. No.	COMMENT	Press. No.	COMMENT	Press. No.	COMMENT		
1	Cal.		Cal.		Cal.			
2	1130		1176		1223			
3	1131		1177		1224			
4	1132		1178		1225			
5	1133		1179		1226			
6	1134		1180		1227			
7	1135		1181		1228			
8	1136		1182		1229			
9	1137		1183		1230			
10	1138		1184		1231	BC/(Out>R#409)		
11	1139		1185		1232			
12	1140		1186		1233			
13	1141		1187		1234			
14	1142		1188		1235			
15	1143		1189		1236			
16	1144		1190		1237			
17	1145		1191		1238	BC/(Out>R#409)		
18	1146		1192		1239			
19	1147		1193		1240			
20	1148		1194		1241			
21	1149		1195		1242			
22	1150		1196		1243			
23	1151		1197		1244			
24	1152		1198		1245			
25	1153		1199		1246			
26	1154		1200		1247			
27	1155		1201		1248			
28	1156		1202		1249			
29	1157		1203		1250			
30	1158		1204		1251			
31	1159		1205		1252			
32	Cal.		Cal.		Cal.			
33	1160		1206		1253			
34	1161		1207		1254			
35	1162		1208		1255			
36	1163		1209		1256			
37	1164		1210		1257			
38	1165		1212		1258			
39	1166		1213		1259			
40	1167		1214		1260			
41	1168		1215		1261			
42	1169		1216		1262			
43	1170		1217		1263			
44	1171		1218		1264			
45	1172		1219		1265			
46	1173		1220		1266	BC/(Bad)		
47	1174		1221		1267			
48	1175		1222		1268			

Note: BC is Bad Code - Data No Good
 >R#xxx is Runs Greater Than R#xxx
 ? is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

EXTERNAL TANK ESP HOOKUP

ESP PORT No.	ESP #21 Mid & Aft-Body		ESP #22 Mid & Aft-Body		ESP #23 Mid & Aft-Body	
	Press. No.	COMMENT	Press. No.	COMMENT	Press. No.	COMMENT
1	Cal.		Cal.		Cal.	
2	1269		1309		1348	
3	1270		1310		1349	
4	1271		1311	BC/(Plugged > R#407)	1350	
5	1272	BC(>R#469)	1312		1351	
6	1273		1313		1352	
7	1274		1314		1353	
8	1275		1315		1354	
9	1276		1316		1355	
10	1277		1317		1356	
11	1278		1318		1357	
12	1279		1319		1358	
13	1280		1320		1359	
14	1281		1321		1360	
15	1282		1322		1361	
16	1283		1323		1362	
17	1284		1324		1363	
18	1285		1325		1364	
19	1286		1326		1365	
20	1287		1327		1366	
21	1288		1328		1367	
22	1289		1329		1368	
23	1290		1330		1369	
24	1291		1331		1370	
25	1292		1332		1371	
26	1293		1333		1372	
27	1294		1334		1373	
28	1295		1335		1374	
29	1296		1336		1375	
30	1297		1337		1376	
31	1298		1338		1377	
32	Cal.		Cal.		Cal.	
33	1299		1339		1378	
34	1300		1340		1379	
35	1301		1341		1380	
36	1302		1342		1381	
37	1303		1343		1382	
38	1304		1344		1383	
39	1305		1345		1384	
40	1306		1346		1385	
41	1307		1347		1386	
42	1308		Open		Open	
43	Open		Open		Open	
44	Open		Open		Open	
45	Open		Open		Open	
46	Open		Open		Open	
47	Open		Open		Open	
48	Open		Open		Open	

Note: BC is Bad Code - Data No Good
 >R#xxx is Runs Greater Than R#xxx
 ? is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

EXTERNAL TANK ESP HOOKUP

ESP PORT No.	ESP #24 Mid & Aft-Body		ESP #25 ET Base		ESP #26 Base & LO2 Feedli	
	Press. No.	COMMENT	Press. No.	COMMENT	Press. No.	COMMENT
1	Cal.		Cal.		Cal.	
2	1387		1501		1546	
3	1388		1502		1547	
4	1389		1503		1548	
5	1390		1504		1549	
6	1391		1505		1550	
7	1392		1506		1551	
8	1393		1507		1552	
9	1394		1508		1553	
10	1395		1509		1554	
11	1396		1510		1555	
12	1397		1511		1556	
13	1398		1512		1557	
14	1399		1513		1558	
15	1400		1514		1559	
16	1401		1515		1560	
17	1402		1516		1561	
18	1403		1517		1562	
19	1404		1518		1563	
20	1405		1519		1564	
21	1406		1520		1565	
22	1407		1521		1566	
23	1408		1522		1567	
24	1409		1523		1568	
25	1410		1524		1569	
26	1411		1525		1570	
27	1412		1526		1571	
28	1413		1527		1572	
29	1414		1528		1573	
30	1415		1529		1574	
31	1416		1530		1782	
32	Cal.		Cal.		Cal.	
33	1417		1531		1783	
34	1418		1532		1784	
35	1419		1533		1785	
36	1420		1534		1786	
37	1421		1535		1787	
38	1422		1536		1788	
39	1423		1537		1789	
40	1424		1538		1790	
41	1425		1539		1791	
42	Open		1540		1792	
43	Open		1541		1793	
44	Open		1542		1794	
45	Open		1543		1795	
46	Open		1544		Open	
47	Open		1545		Open	
48	Open		Open		Open	

Note: BC is Bad Code - Data No Good
 >R#xxx is Runs Greater Than R#xxx
 ? is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

EXTERNAL TANK ESP HOOKUP

ESP # 27 LO2 Feedline			
ESP PORT No.	Press. No.	COMMENT	
1	Cal.		
2	1795		
3	1797		
4	1798		
5	1799		
6	1800		
7	1801		
8	1802		
9	1803		
10	1804		
11	1805		
12	1806		
13	1807		
14	1808		
15	1809		
16	1810		
17	1811		
18	1812		
19	1813		
20	1814		
21	1815		
22	1816		
23	1817		
24	1818		
25	1819		
26	1820		
27	1821		
28	1822		
29	1823		
30	1824		
31	1825		
32	Cal.		
33	1826		
34	1827		
35	1828		
36	1829		
37	1830		
38	1831		
39	1832		
40	1833		
41	1834		
42	1835		
43	1836		
44	1837		
45	1838		
46	1839		
47	1840		
48	1841		

Note: BC Is Bad Code - Data No Good
 >R#xxx Is Runs Greater Than R#xxx
 ? Is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

SOLID ROCKET BOOSTER ESP HOOKUP

ESP PORT No.	ESP #28 Nose & ETA Ring		ESP #29 Fwd Shell & Sys Tun		ESP #30 Lwr Fwd Shell	
	Press. No.	COMMENT	Press. No.	COMMENT	Press. No.	COMMENT
1	Cal.		Cal.		Cal.	
2	2001		2028		2026	
3	2002	?(R#498-517)	2029	?(R#498-517)	2027	?(R#498-517)
4	2003		2030		2032	
5	2004	?(R#498-517)	2037	?(watch)+(R#498-517)	2033	?(R#498-517)
6	2005		2038		2034	
7	2006	?(R#498-517)	2039	?(R#498-517)	2035	BC>R#780(?R#498-517)
8	2007		2046		2035	
9	2008	?(R#498-517)	2047	?(R#498-517)	2040	?(R#498-517)
10	2009		2048		2041	
11	2010	?(R#498-517)	2053	?(R#498-517)	2042	?(R#498-517)
12	2011		2054		2043	
13	2012	?(R#498-517)	2055	?(R#498-517)	2044	?(R#498-517)
14	2013		2064		2045	
15	2014	?(R#498-517)	2065	?(R#498-517)	2049	?(R#498-517)
16	2015		2066		2050	
17	2016	?(R#498-517)	2073	?(R#498-517)	2051	?(R#498-517)
18	2017		2074		2052	
19	2018	?(R#498-517)	2075	?(R#498-517)	2056	?(R#498-517)
20	2019		2082		2057	
21	2020	?(R#498-517)	2083	?(R#498-517)	2058	?(R#498-517)
22	2021		2084	?(watch)	2059	
23	2022	?(R#498-517)	2091	?(R#498-517)	2060	?(R#498-517)
24	2023		2092		2061	
25	2024	?(R#498-517)	2093	?(R#498-517)	2062	?(R#498-517)
26	2025		2301		2063	
27	2096	?(R#498-517)	2302	?(R#498-517)	2067	?(R#498-517)
28	2097	?(watch)	2303	BC/(Plugged>R#1525)	2068	
29	2098	?(watch)+(R#498-517)	2304	?(R#498-517)	2069	?(R#498-517)
30	2099		2305		2070	
31	2101	?(R#498-517)	2306	?(watch)&R#498-517	2071	?(R#498-517)
32	Cal.		Cal.		Cal.	
33	2103	?(R#498-517)	2307	?(R#498-517)	2072	?(R#498-517)
34	2104		2308		2076	
35	2105	?(R#498-517)	2309	?(R#498-517)	2077	?(R#498-517)
36	2106		2310		2078	
37	2108	?(R#498-517)	2311	?(R#498-517)	2079	?(R#498-517)
38	Open		2312		2080	
39	Open		2313	?(R#498-517)	2081	?(R#498-517)
40	Open		2314		2085	
41	Open		2331	?(R#498-517)	2086	?(R#498-517)
42	Open		2333	BC/(Out)	2087	
43	Open		Open		2088	?(R#498-517)
44	Open		Open		2089	
45	Open		Open		2090	?(R#498-517)
46	Open		Open		2094	
47	Open		Open		2095	?(R#498-517)
48	Open		Open		Open	

Note: BC Is Bad Code - Data No Good
 >R#xxx Is Runs Greater Than R#xxx
 ? Is Marginal leak found, use data with caution

TABLE III: IA-613A ESP/PRESS. TAP HOOKUP

TEST # 613A

SSV MODEL 47-OTS

SOLID ROCKET BOOSTER ESP HOOKUP

ESP PORT No.	ESP #31 Top Aft Shell		ESP #32 Skirt-Nozzle-Base			
	Press. No.	COMMENT	Press. No.	COMMENT		
1	Cal.		Cal.			
2	2115		2144			
3	2116	?(R#498-517)	2145	?(R#498-517)		
4	2117		2146			
5	2122	?(R#498-517)	2147	?(R#498-517)		
6	2123		2148			
7	2124	?(R#498-517)	2149	?(R#498-517)		
8	2131		2150			
9	2132	?(R#498-517)	2151	?(R#498-517)		
10	2133		2152			
11	2138	?(R#498-517)	2153	?(R#498-517)		
12	2139		2154			
13	2140	?(R#498-517)	2155	?(R#498-517)		
14	2110		2156			
15	2111	?(R#498-517)	2157	?(R#498-517)		
16	2112		2158			
17	2113	?(R#498-517)	2159	?(R#498-517)		
18	2114		2160			
19	2118	?(R#498-517)	2161	?(R#498-517)		
20	2119		2162			
21	2120	?(R#498-517)	2163	?(R#498-517)		
22	2121		2164			
23	2125	?(R#498-517)	2165	?(R#498-517)		
24	2126		2166			
25	2127	?(R#498-517)	2167	?(R#498-517)		
26	2128		2168			
27	2129	?(R#498-517)	2169	?(R#498-517)		
28	2130		2170			
29	2134	?(R#498-517)	2171	?(R#498-517)		
30	2135		2172			
31	2136	?(R#498-517)	2173	?(R#498-517)		
32	Cal.		Cal.			
33	2137	?(R#498-517)	2174	?(R#498-517)		
34	2141		2175			
35	2142	?(R#498-517)	2176	?(R#498-517)		
36	2327		2177			
37	2328	?(R#498-517)	2178	?(R#498-517)		
38	2329		2179			
39	2330	?(R#498-517)	2201	?(R#498-517)		
40	2143		2202			
41	Open		2203	?(R#498-517)		
42	Open		2204			
43	Open		2205	?(R#498-517)		
44	Open		2206			
45	Open		2207	?(R#498-517)		
46	Open		2208			
47	Open		2209	?(R#498-517)		
48	Open		2210			

Note: BC is Bad Code - Data No Good
 >R#xxx is Runs Greater Than R#xxx
 ? is Marginal leak found, use data with caution

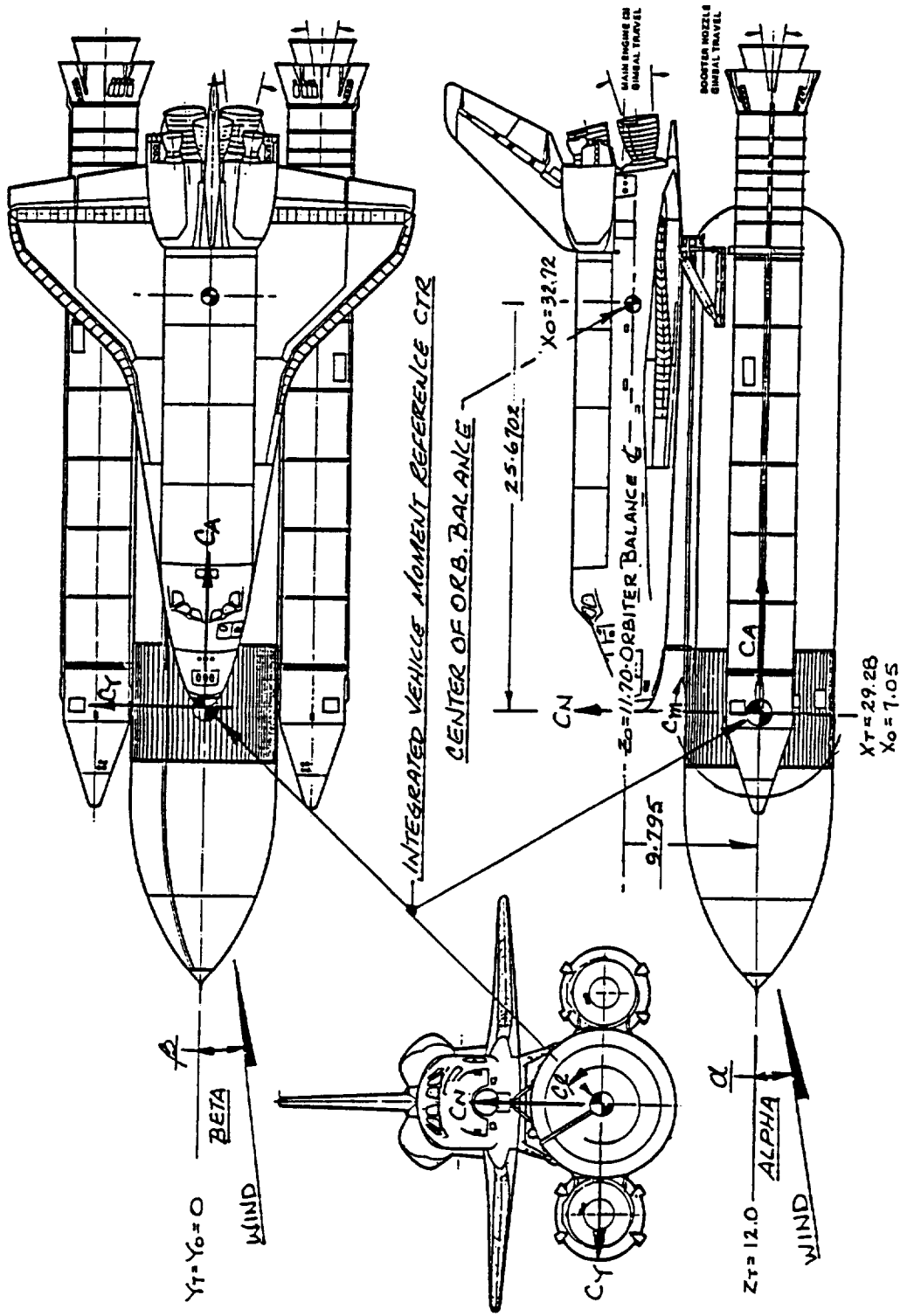
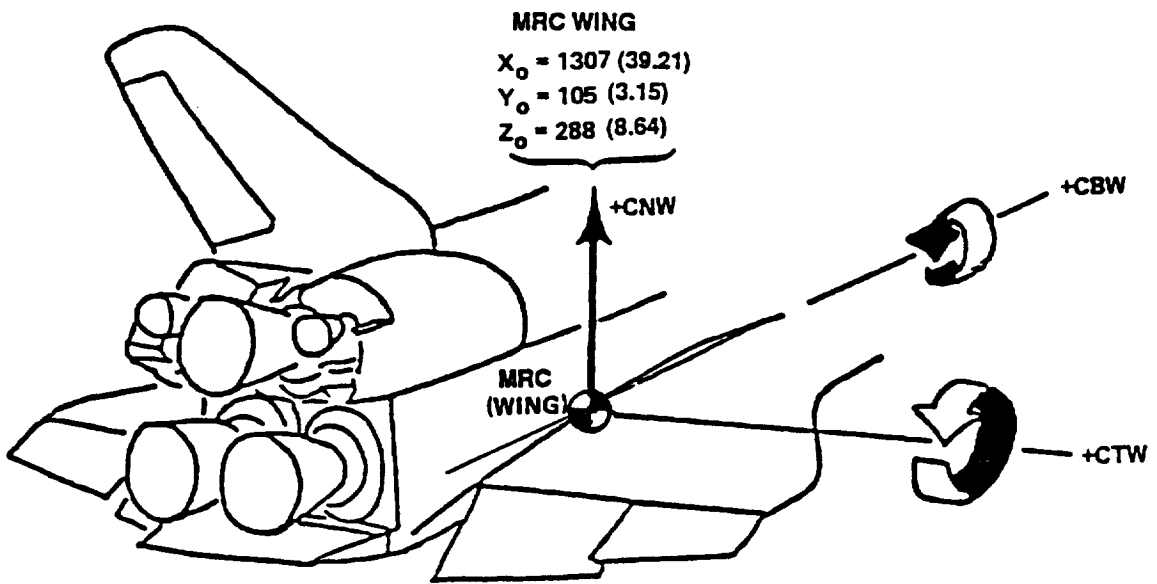
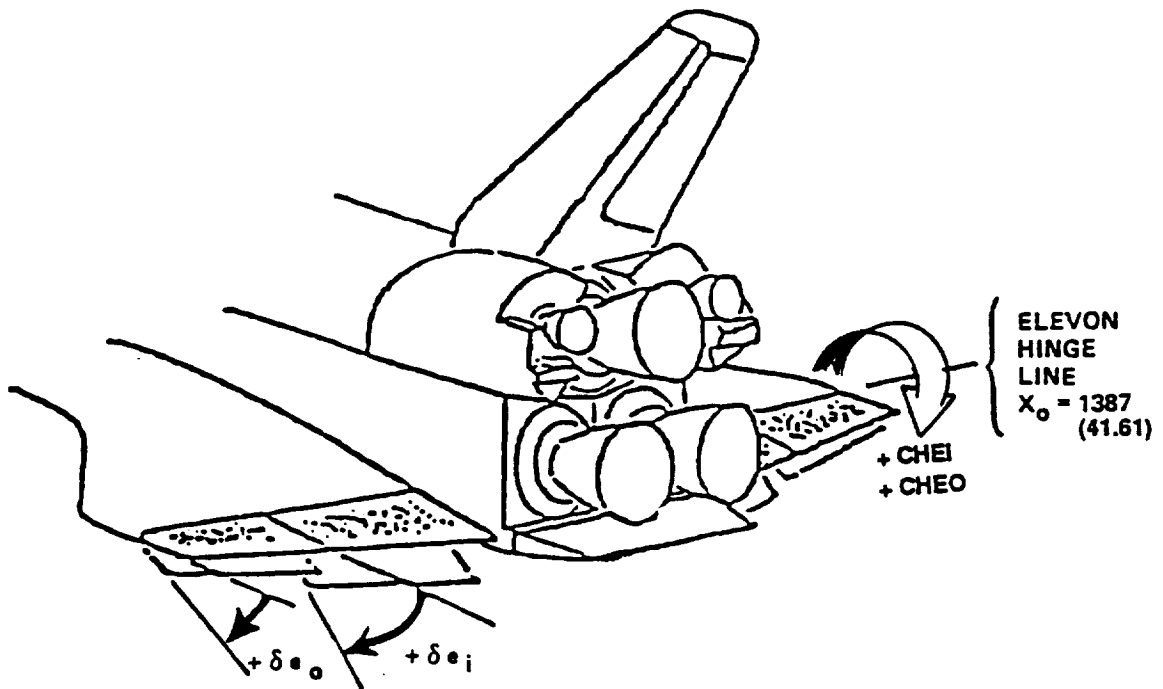


Figure 1a ; Body Axis System and Orbiter Balance Transfer



ALL DIMENSIONS IN INCHES
 MODEL SCALE IN PARENTHESES

Figure 1b; Wing coordinate axes.



ALL DIMENSIONS IN INCHES
 MODEL SCALE IN PARENTHESES

Figure 1c; Elevon coordinate axes.

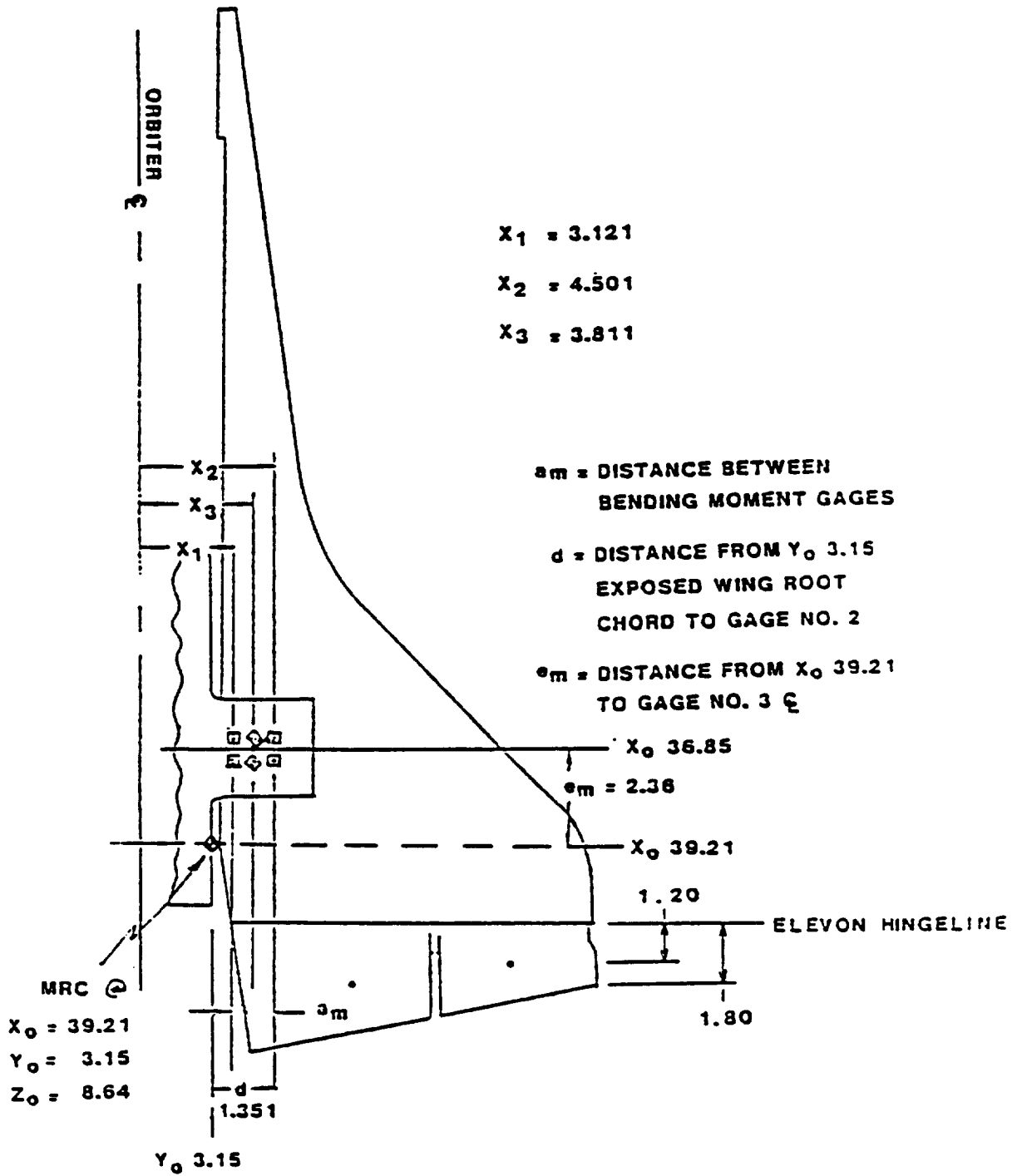


Figure 1d ; Wing Balance Transfer

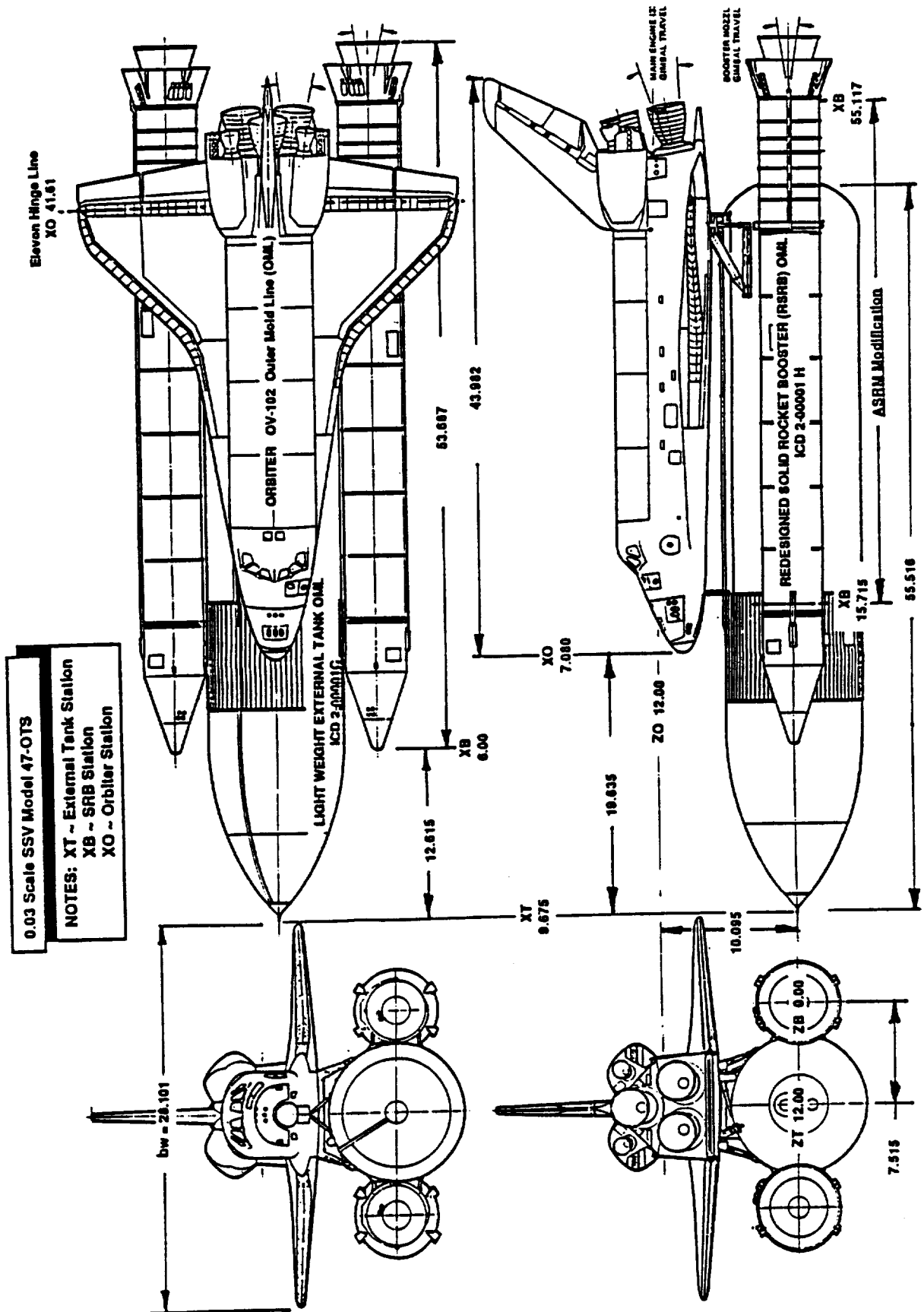


Figure 2 a ; Launch Vehicle Configuration

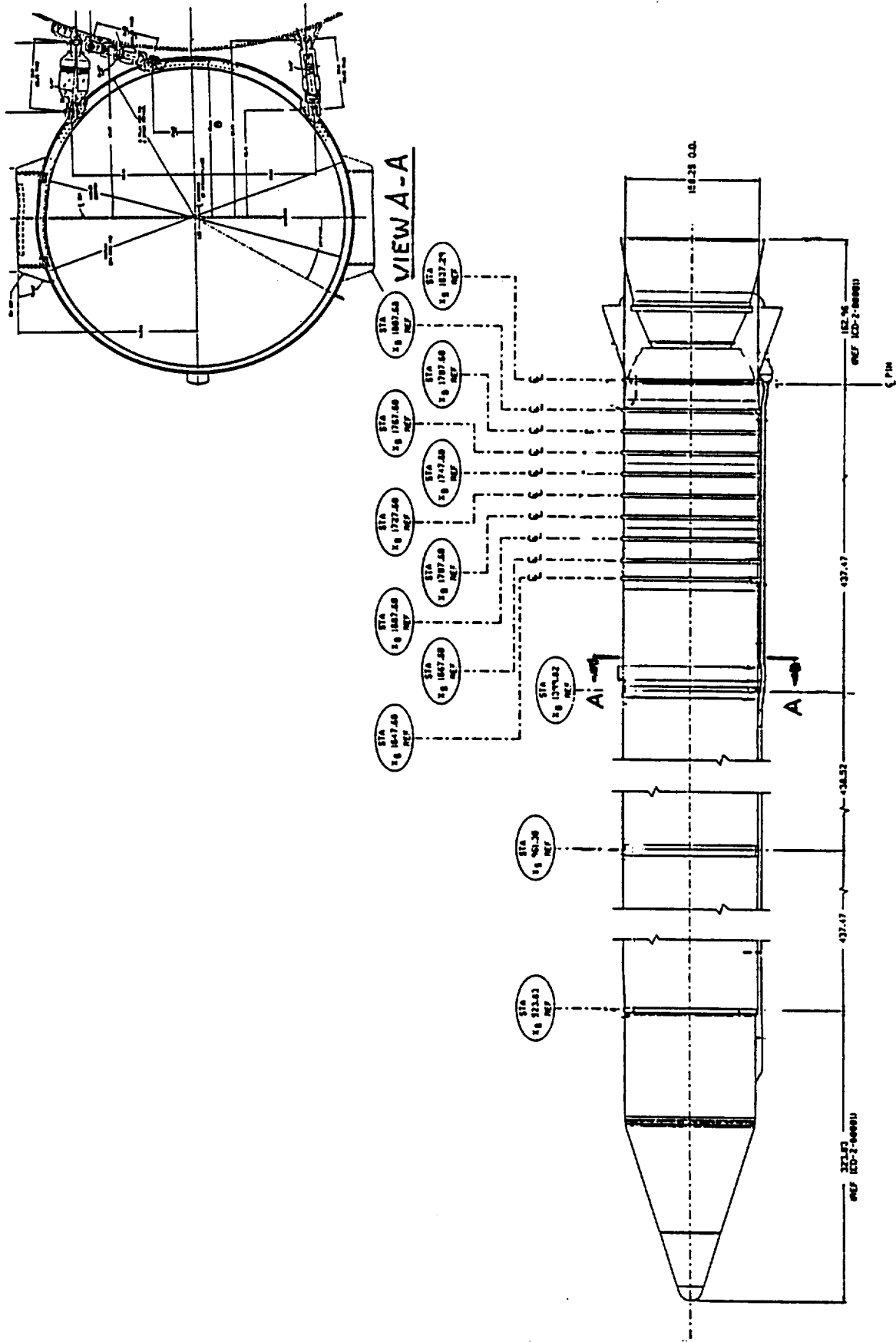


Figure 2 b ; Solid Rocket Booster - ASRM Configuration

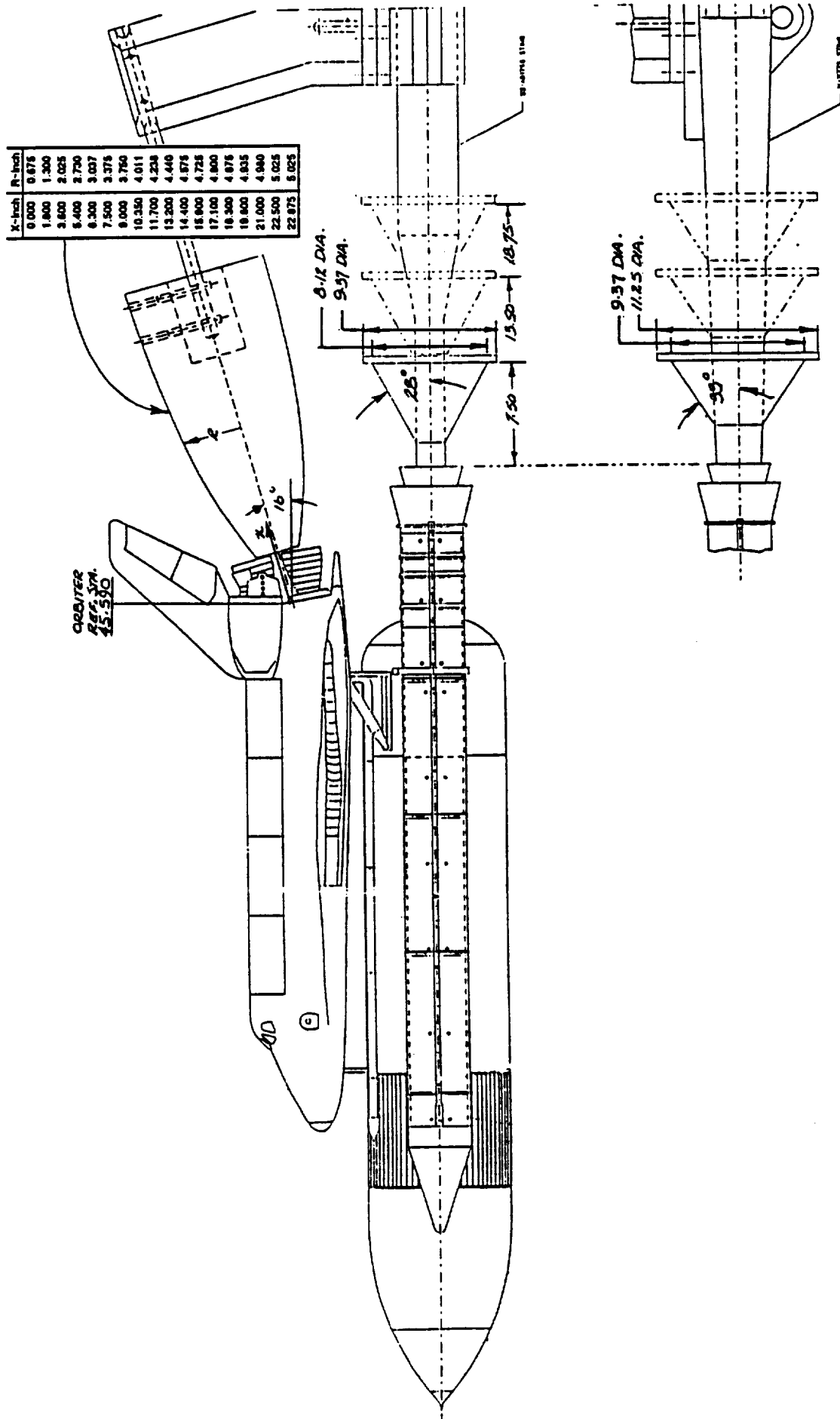


Figure 2 c ; Solid Plume Simulators

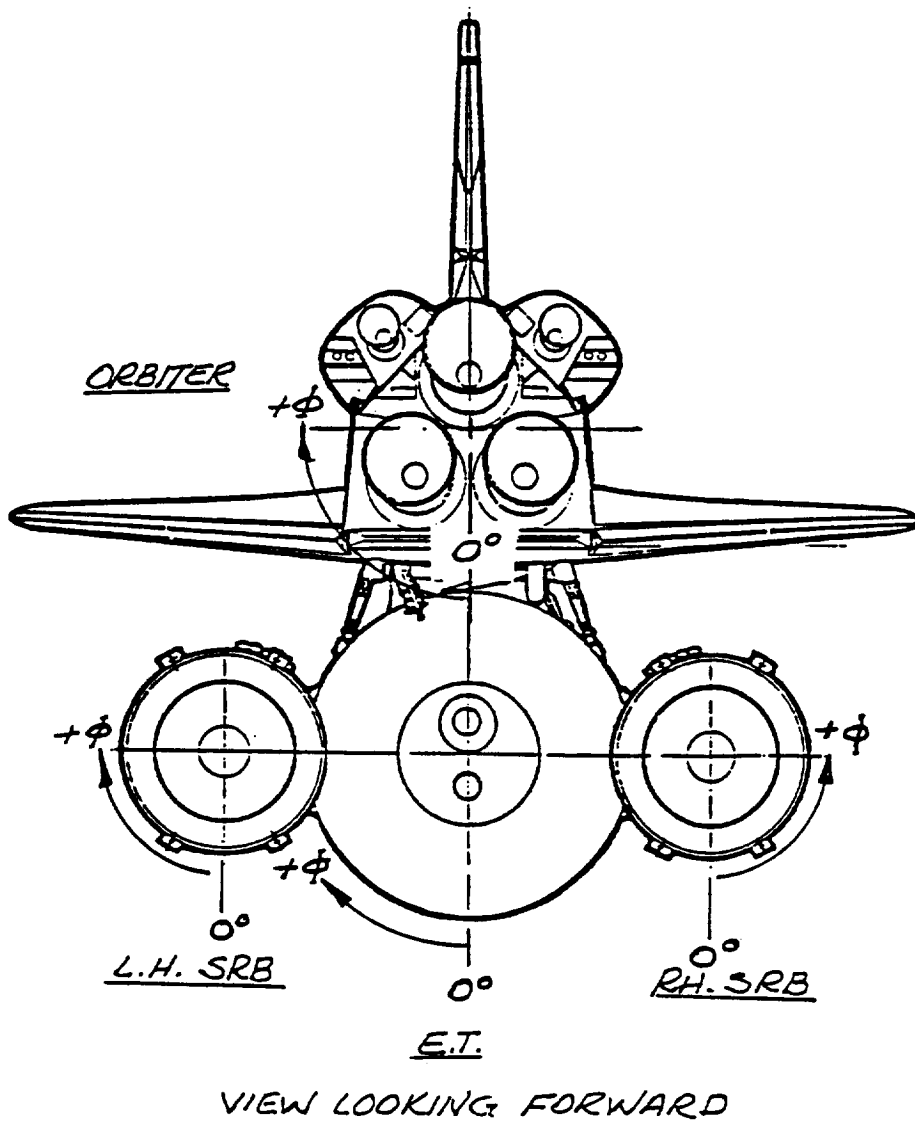
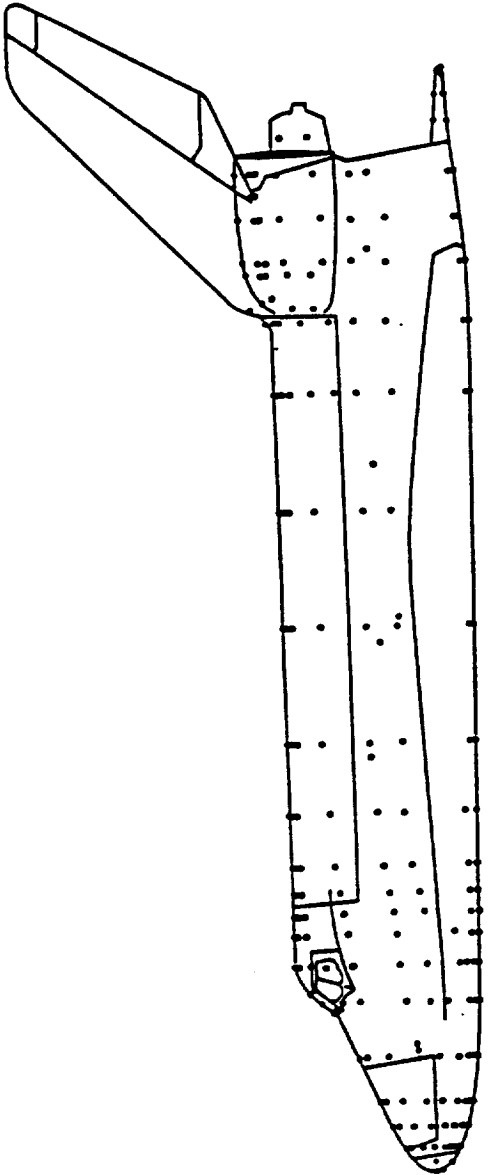
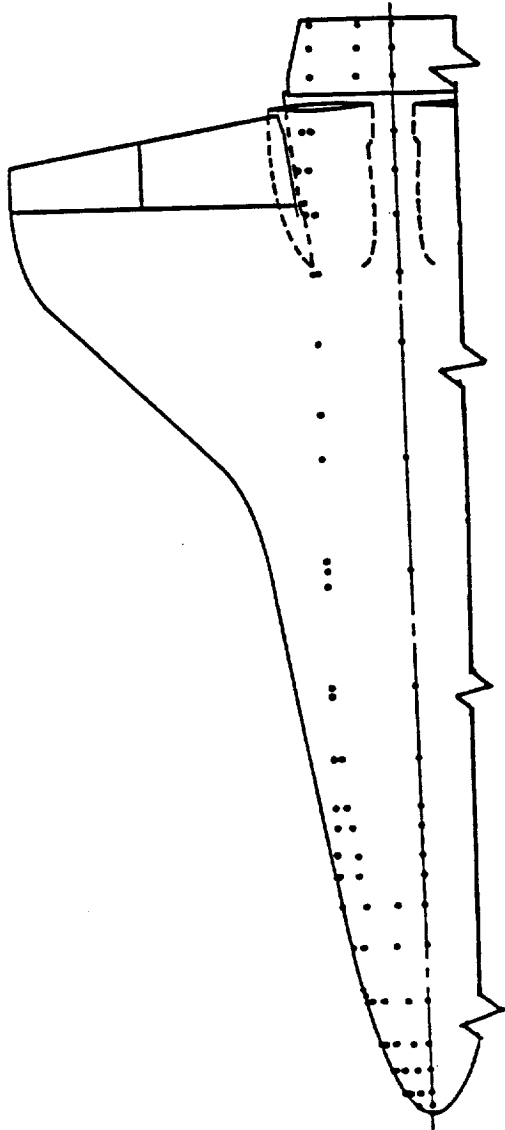


Figure 3a: Instrumentation Phi (ϕ) Angle Definition



ORBITER SIDE VIEW

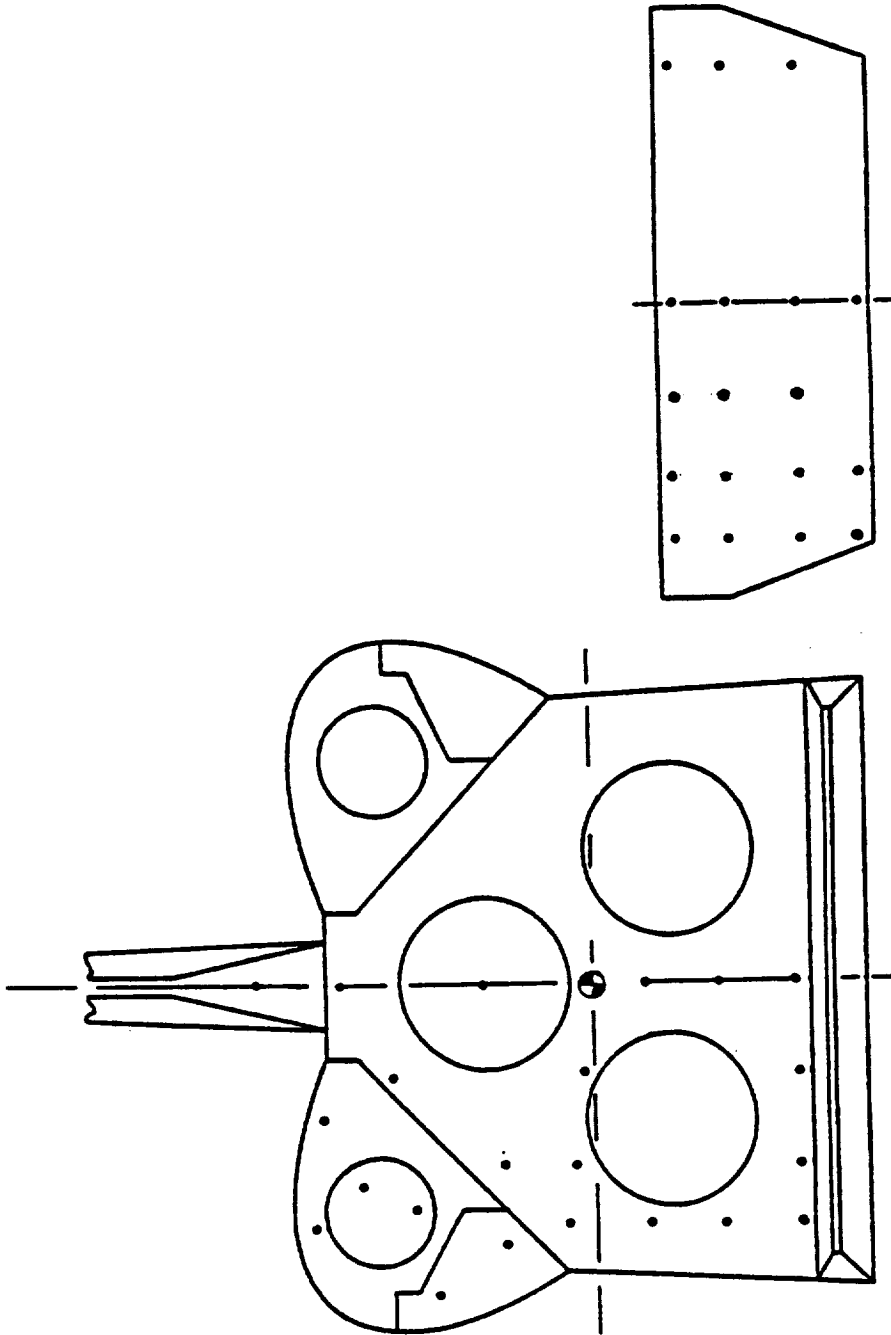


ORBITER BOTTOM VIEW (L.H. Side)

Figure 3 b ; Steady State Static Pressure Tap Locations - Orbiter Fuselage Layout

X(O)	X/L	0	20	40	55	60	67.5	70	82	90	105	110	120	135	140	150	151	156	162	165	169	174	180	S
235	0.0000	1																						1
245	0.0078	2								3														2
255	0.0233	5	6	7	8			9		10						12								4
295	0.0465	17	18	19	20			21		22						24								9
325	0.0698	29	30	31	32			33		34						36								9
380	0.1124	41	42	43	44			45		46						48								9
385	0.1163									53														1
399	0.1271									54														1
440	0.1589																							1
450	0.1666	56	57	58	59			60		61						69		63			64	55		10
465	0.1783																							2
500	0.2054	71	72	73	74			75		76					78	79								11
540	0.2364	85	86	87						88						90								8
565	0.2558	94	95					96		97						99								8
590	0.2751	103	104					105		106						108								8
625	0.3023	112	113					114		115						117								8
690	0.3526	121	122					123		124						126								8
764	0.4100								130															1
780	0.4224	131	132					133		134						136								8
905	0.5193								140															1
928	0.5371	141	142					143		144						146								8
937	0.5441						150																	1
994	0.5882																							0
1070	0.6471	152	151					154		155						157								8
1129	0.6929								161															1
1215	0.7595	162	163					164		165						169								10
1300	0.8254	173	174					175		176						180								9
1318	0.8393							191		192						221								7
1350	0.8641															223								5
1375	0.8835	183	184					185		186						188								10
1390	0.8951							193								190								2
1430	0.9261	194	195					196		197						201								11
1455	0.9455							195		196														4
1480	0.9649	204	205					206		207						211								10
1524	0.9990	409	417	433																				3
1530	1.0036																							2
1548	1.0176	410	418	434								216	217											3
1580	1.0424	411	419	435																				3
1609	1.0649	412	420	436																				3
1613	1.0680																							0
LIB = 1290.3		25	10	23	7	3	1	21	3	24	5	3	22	7	1	20	1	1	1	16	1	1	19	215

Figure 3 c ; Steady State Static Pressure Tap Locations - Orbiter Fuselage List



TOP VIEW BODY FLAP

Figure 3 d ; Steady State Static Pressure Tap Locations - Orbiter Base & Body Flap Layout

BASE

TAP #	Zo	Yo	TAP#	Zo	Yo	TAP#	Zo	Yo
301	532	0	311	302	-38	321	522	-103
302	505	0	312	439	-78	322	470	-96
303	443	0	313	410	-78	323	439	-107
304	400	0	314	302	-78	324	465	-130
305	376	0	315	414	-103			
306	340	0	316	376	-103			
307	302	0	317	340	-103			
308	478	-38	318	302	-103			
309	439	-38	319	514	-55			
310	405	-38	320	492	-88			
TOTAL 24								

BODY- FLAP

η	x/C _{BF} (BOTTOM)		x/C _{BF} (TOP)	
	-.10	.20	.60	.95
.10	401	402	403	404
.20	409	410	411	412
.35	417	418	419	420
.50	425	426	427	428
.65	433	434	435	436
.80				
.90				
TOTAL 40 TAPS				

Figure 3 e ; Steady State Static Pressure Tap Locations - Orbiter Base & Body Flap List

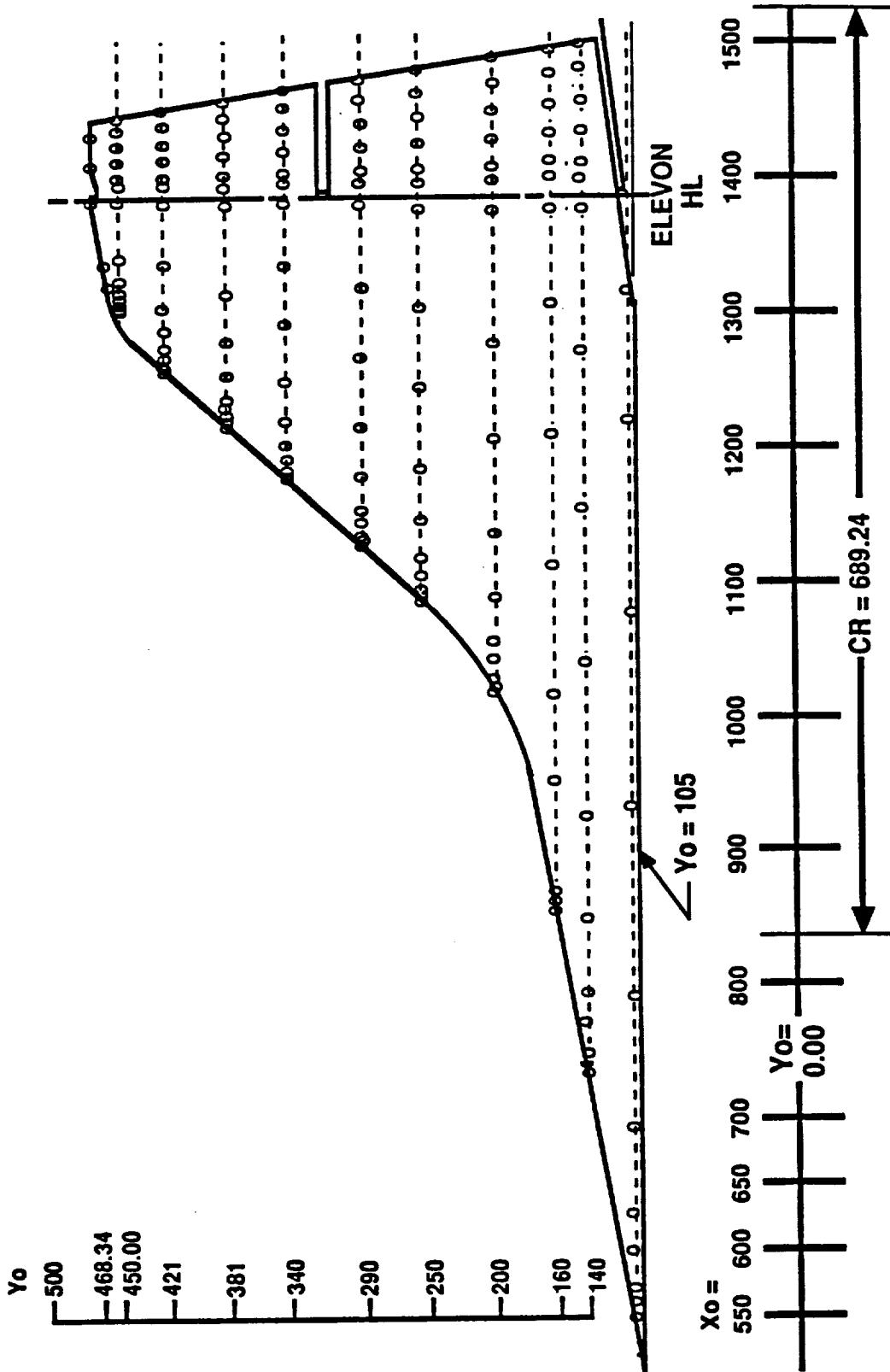


FIGURE 3f: WING - INSTRUMENTATION LAYOUT

**RUDDER
HINGELINE**

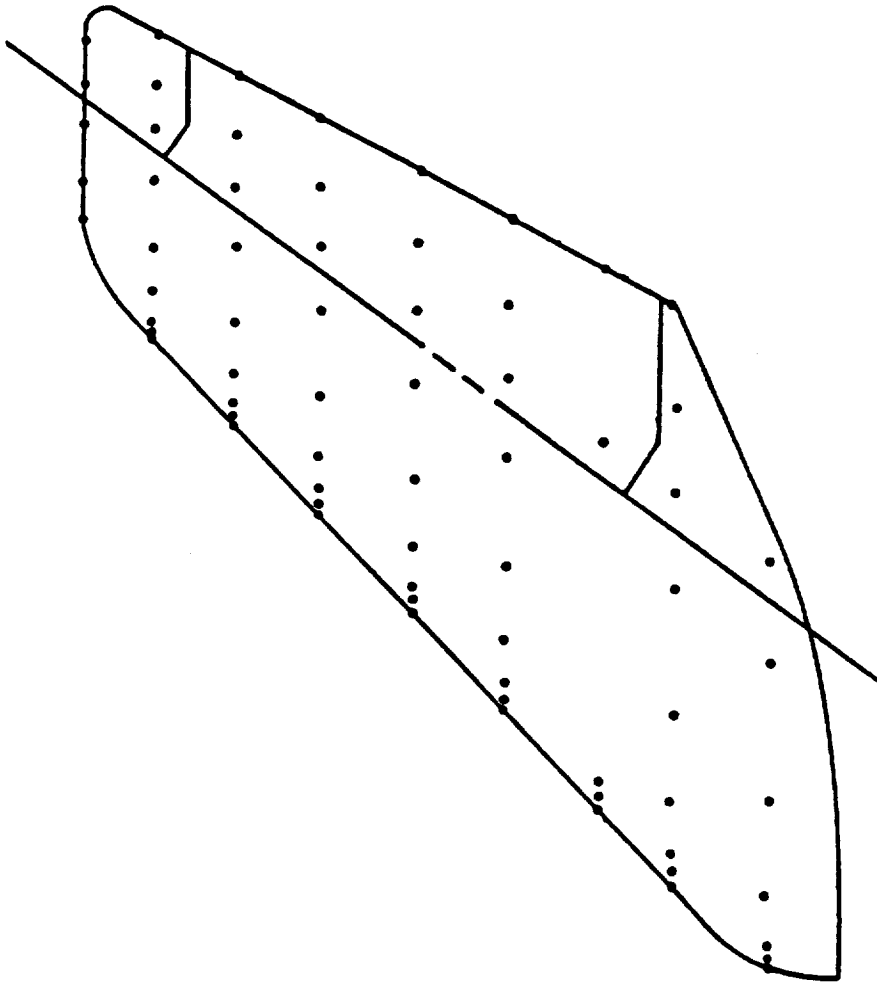


Figure 3 h ; Steady State Static Pressure Tap Locations - Vertical Tail Layout

	Z(O)	ETA = (Z-Zr)/B	X/C												S
			0.00	0.03	0.06	0.15	0.30	0.52	0.68	0.83	1.00				
FIN	530	0.095	501	502	503	504	505	506	507					S	
"	570	0.222	509	510	511	512	513	514	515	516	517			7	
"	600	0.317	518	519	520	521	522	523	524	525	526			9	
"	640	0.444	527	528	529	530	531	532	533	534	535			9	
"	680	0.570	536	537	538	539	540	541	542	543	544			9	
"	720	0.697	545	546	547	548	549	550	551	552	553			9	
"	755	0.808	554	555	556	557	558	559	560	561	562			9	
"	790	0.919	563	564	565	566	567	568	569	570	571			9	
TIP:	815.6	1.000				572	573	574	575	576				S	
B = 315.6													S	75	

Figure 31 ; Steady State Static Pressure Tap Locations - Vertical Tail List

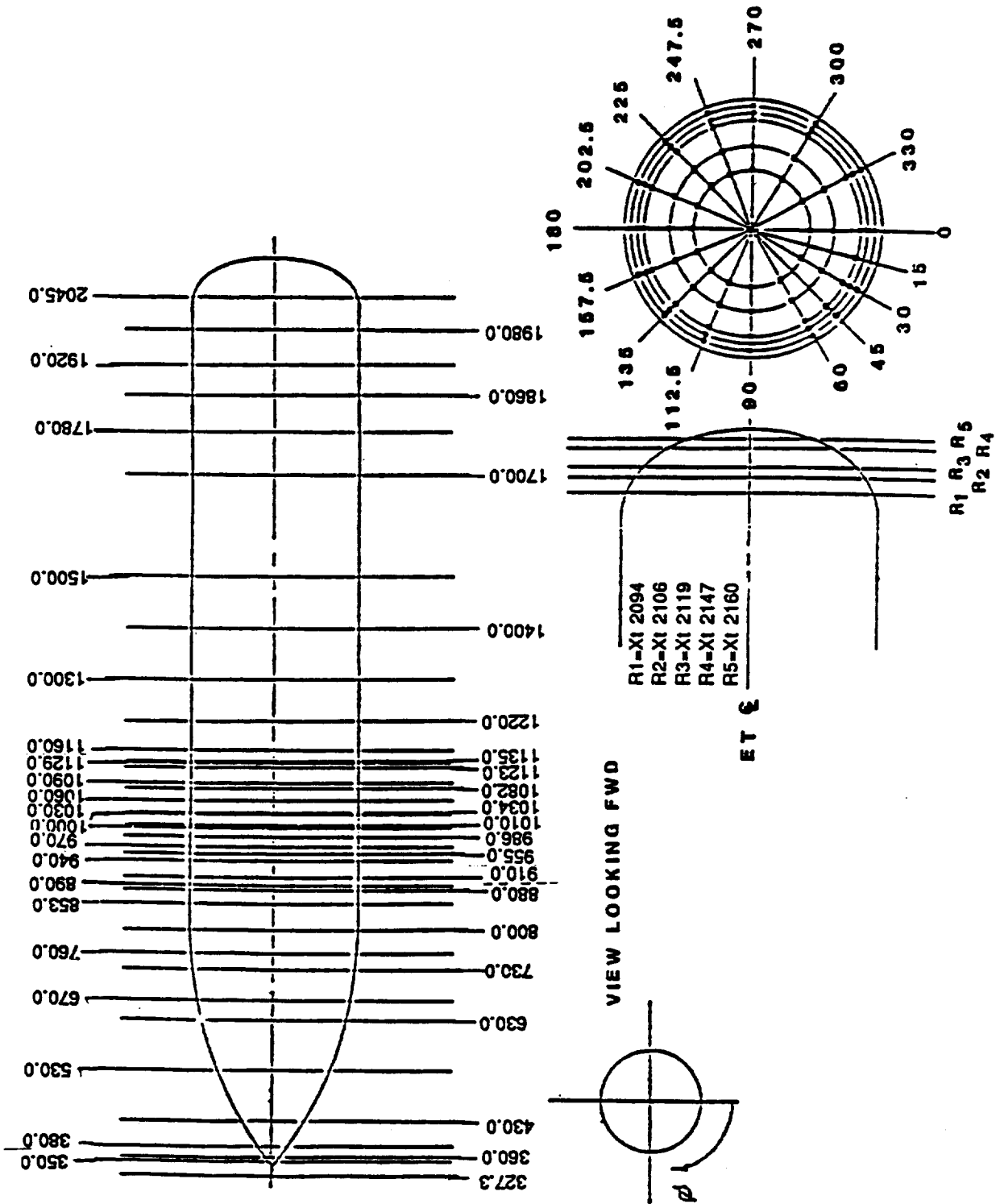
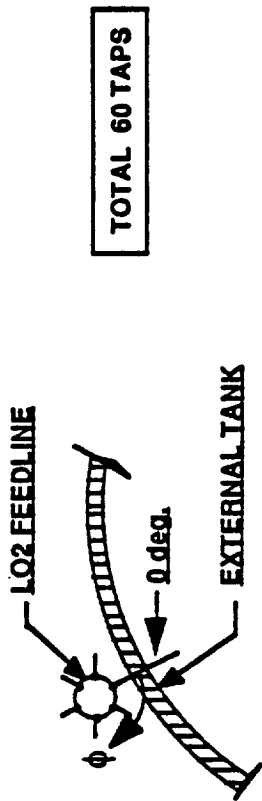


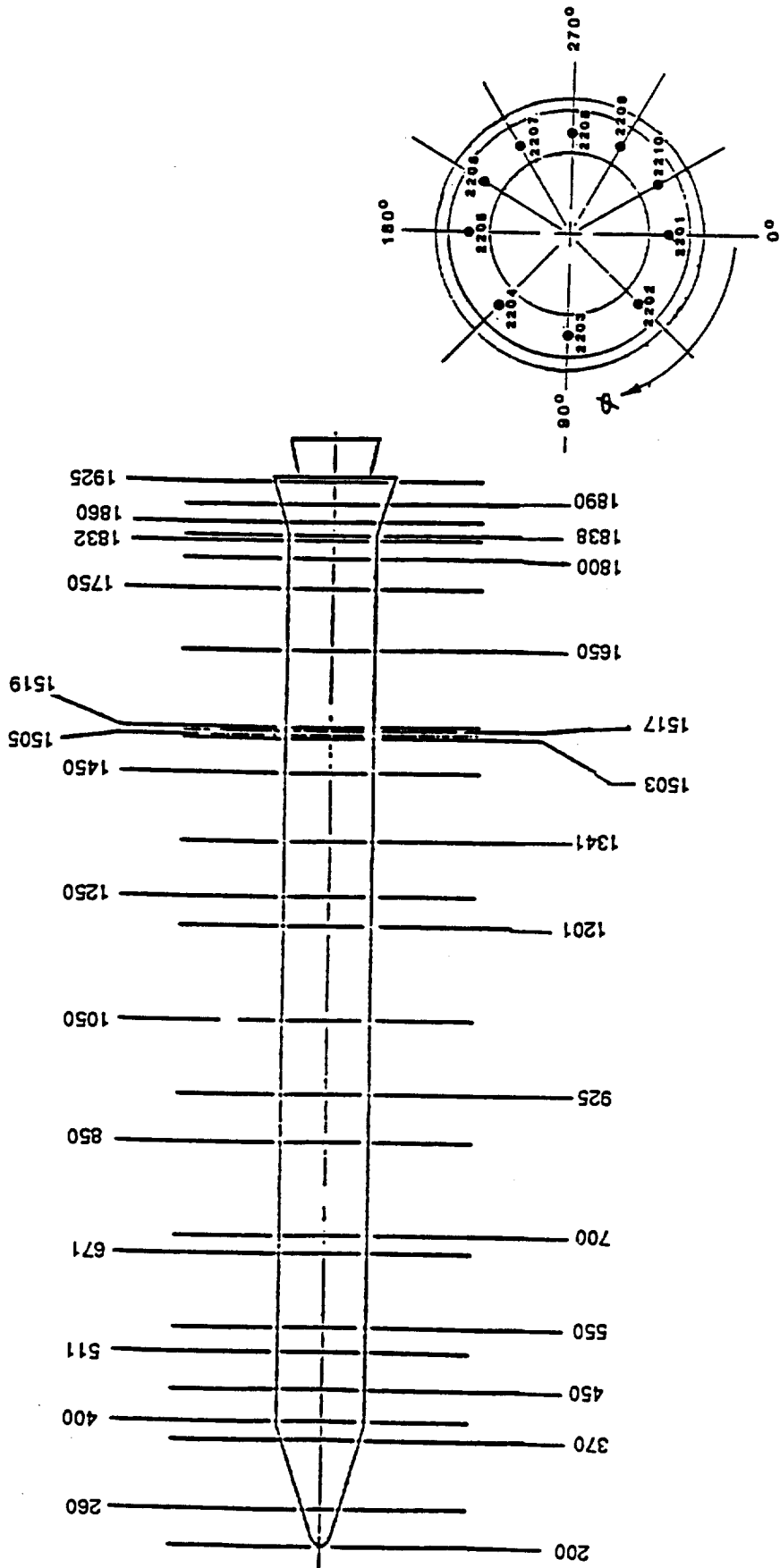
Figure 3 | Steady State Static Pressure Tap Locations - External Tank Layout



TYPICAL CROSSSECTION
(View Looking Aft)

E.T. STA. XT - inches	ϕ - degrees					
	0	60	120	180	240	300
1100	1786	1787	1782	1783	1784	1785
1200	1792	1793	1788	1789	1790	1791
1300	1798	1799	1794	1795	1796	1797
1400	1804	1805	1800	1801	1802	1803
1500	1810	1811	1806	1807	1808	1809
1600	1816	1817	1812	1813	1814	1815
1700	1822	1823	1818	1819	1820	1821
1800	1828	1829	1824	1825	1826	1827
1900	1834	1835	1830	1831	1832	1833
2000	1840	1841	1836	1837	1838	1837

Figure 30 : EXTERNAL TANK LO2 FEEDLINE INSTRUMENTATION



Solid Rocket Booster Base

Figure 3 m ; Steady State Static Pressure Tap Locations - Solid Rocket Booster Layout

$\phi \sim \text{degrees}$

X(I)	X/L	0	45	86	90	94	135	180	225	247.5	270	292.5	315	360	s
200	0.000	2001												2001	1
260	0.035	2002	2003		2004		2005	2006	2007		2008		2009	2002	8
370	0.098	2010	2011		2012		2013	2014	2015		2016		2017	2010	8
400	0.116	2018	2019		2020		2021	2022	2023		2024		2025	2018	8
450	0.144	2026	2027				2028	2029	2030		2031		2032	2026	7
511	0.180			2033	2306	2034									3
550	0.202	2035	2036				2037	2038	2039		2040		2041	2035	7
671	0.272			2042	2308	2043									3
700	0.289	2044	2045				2046	2047	2048		2049		2050	2044	7
850	0.376	2051	2052				2053	2054	2055		2056		2057	2051	7
926	0.420			2058	2310	2059									3
1050	0.491	2060	2061	2062	2311	2063	2064	2065	2066		2067		2068	2060	10
1201	0.578			2069	2312	2070									3
1250	0.607	2071	2072				2073	2074	2075		2076		2077	2071	7
1341	0.659			2078	2313	2079									3
1450	0.722	2080	2081				2082	2083	2084		2085		2086	2080	7
1503	0.753	2087	2088	2089	2314	2090	2091	2092	2093		2094		2095	2087	10
1505	0.754	2096	2097				2098	2099	2100		2101			2096	6
1517	0.761	2103	2104				2105	2106	2107		2108		2109	2103	7
1519	0.762					2110									1
1650	0.838	2111	2112	2113	2328	2114	2115	2116	2117		2118		2119	2111	10
1750	0.896	2120	2121				2122	2123	2124		2125		2126	2120	7
1800	0.925	2127	2128	2129	2330	2130	2131	2132	2133		2134		2135	2127	10
1832	0.943	2136	2137				2138	2139	2140		2141		2142	2136	7
1838	0.946	2143	2144				2145	2146	2147		2148		2149	2143	7
1860	0.959	2150	2151		2152		2153	2154	2155	2156	2157	2158	2159	2150	10
1890	0.977	2160	2161		2162		2163	2164	2165	2166	2167	2168	2169	2160	10
1925	0.997	2170	2171		2172		2173	2174	2175	2176	2177	2178	2179	2170	10
1930.6	1.000														0
L(S) = 1730.6		22	21	9	15	10	21	21	21	3	21	3	20	22	187

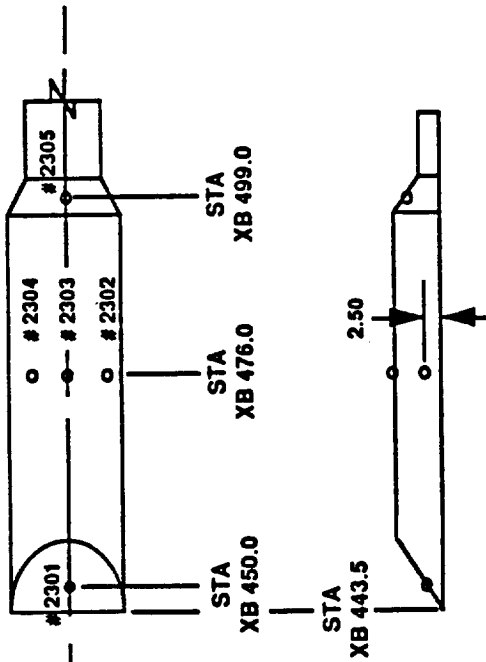
Figure 3 n ; Steady State Static Pressure Tap Locations - Solid Rocket Booster List

CENTER SECTION - SYSTEMS TUNNEL (13 TAPS)

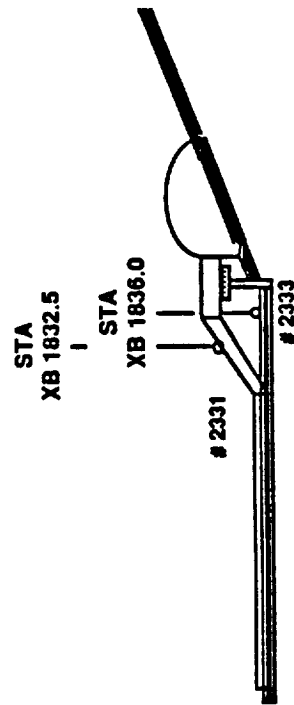
EACH TAP LOCATED ON TOP CENTERLINE @ THE FOLLOWING:

STATION	TAP NO.
XB 511	2306
XB 561	2307
XB 671	2308
XB 811	2309
XB 926	2310
XB 1051	2311
XB 1201	2312
XB 1341	2313
XB 1503	2314
XB 1591	2327
XB 1650	2328
XB 1726	2329
XB 1800	2330

FORWARD FAIRING - SYSTEMS TUNNEL (5 TAPS)



AFT FAIRING - SYSTEMS TUNNEL (2 TAPS)



TOTAL 20 TAPS

Figure 3 o ; Steady State Static Pressure Tap Locations - SRB Systems Tunnel

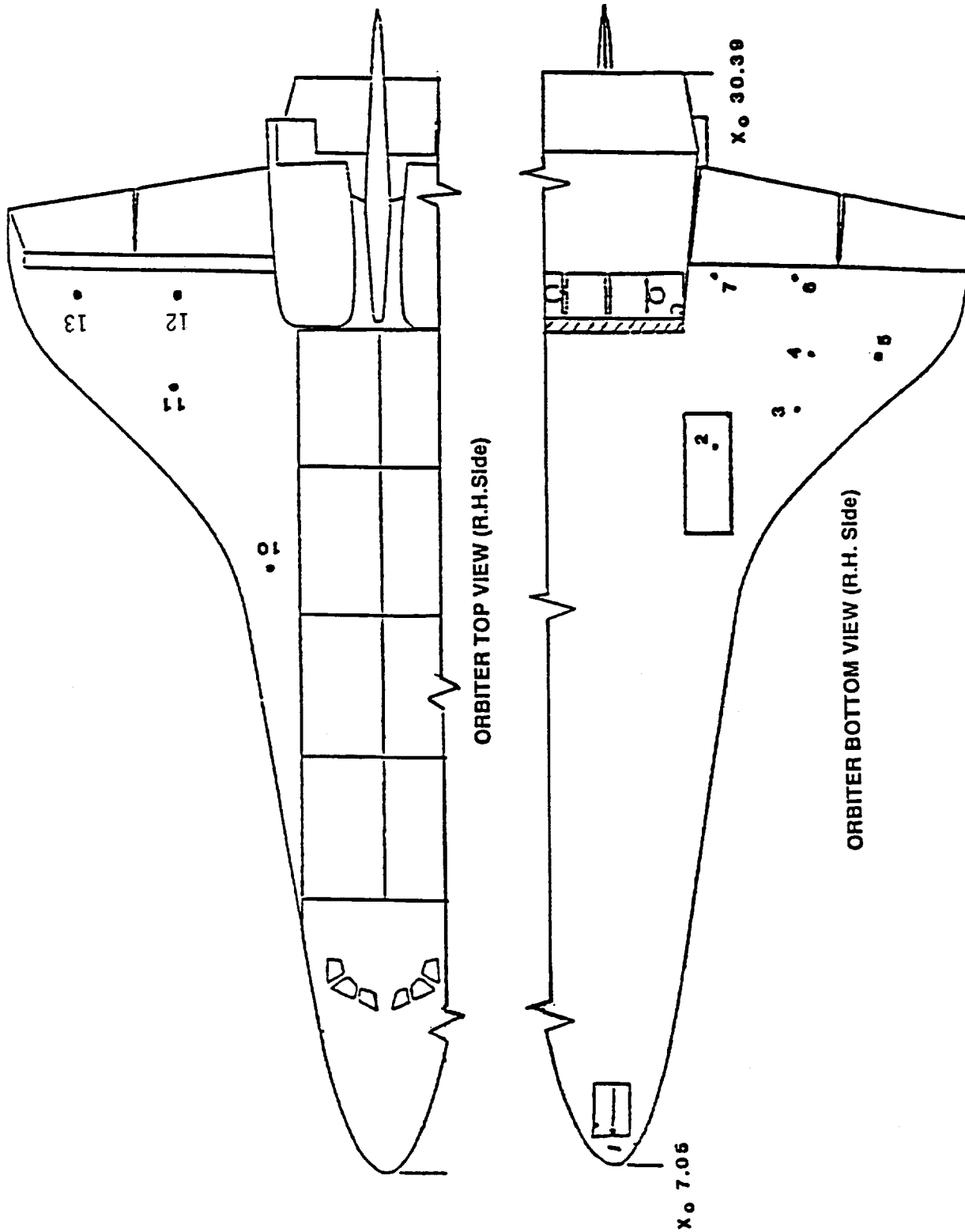


Figure 4 a ; Dynamic (KULITE) Pressure Tap Locations - Orbiter Fuselage Layout

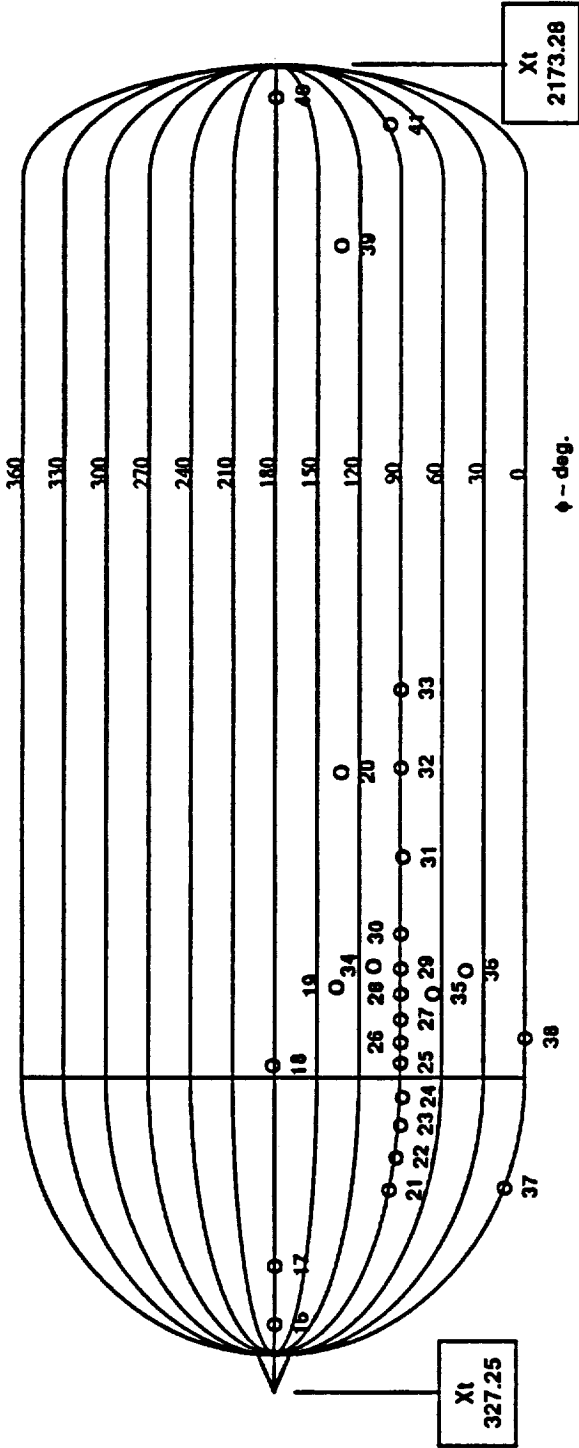
ORBITER KULITE LOCATIONS

ORBITER STATIONS			(MSID)	KULITE #
Xo	Yo	Zo		
279	0	BOT	1	1
1150	-150	BOT	35	2
1200	-250	BOT	39	3
1280	-250	BOT	53	4
1280	-370	BOT	55	5
1370	-150	BOT	58	6
1370	-250	BOT	60	7
540	-105*	380 in.	87	8
600	-105*	380 in.	96	9
1000	-140	TOP	114	10
1220	-260	TOP	116	11
1340	-260	TOP	118	12
1340	-380	TOP	119	13
785	-105*	386 in.	144	14
380	- 75*	360 in.	151	15

* - Fus. Side

TOTAL 15 KULITES

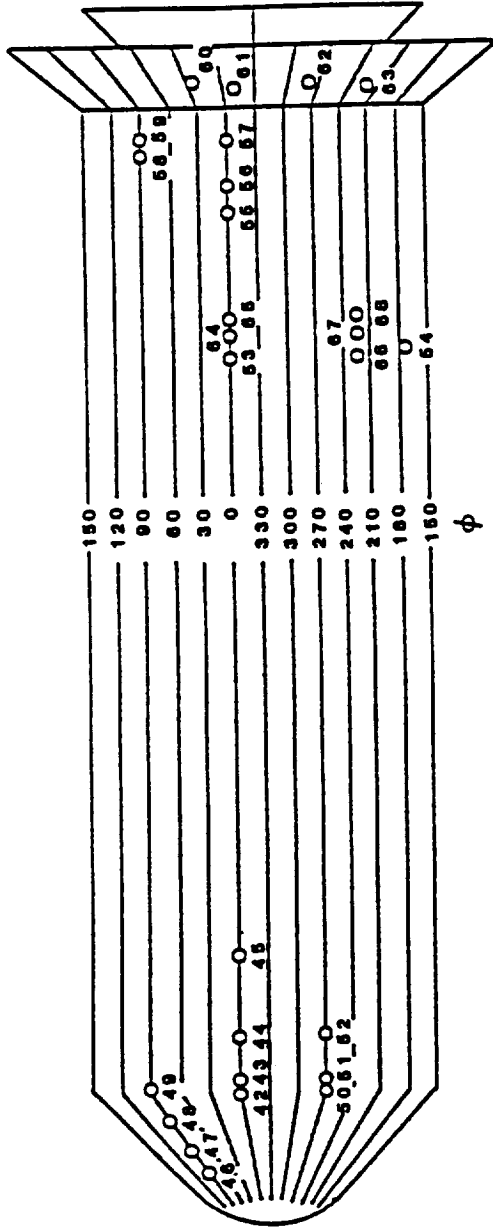
FIGURE 4b : ORBITER KULITE INSTRUMENTATION LOCATIONS



E.T. STA. Xi	phi Deg.	Kulite No.	(MSID)	E.T. STA. Xi	phi Deg.	Kulite No.	(MSID)
371	180	16	(2)	940	92	29	(33)
500	180	17	(4)	955	88.5	30	(34)
820	180	18	(8)	1050	92	31	(35)
940	137	19	(21)	1140	90	32	(36)
1146	135	20	(22)	1220	92	33	(37)
660	90	21	(25)	940	110	34	(38)
700	90	22	(26)	940	68	35	(39)
740	90	23	(27)	940	45	36	(40)
780	90	24	(28)	660	0	37	(41)
820	90	25	(29)	820	0	38	(43)
850	90	26	(30)	1853	135	39	(59)
900	92	27	(31)	2150	180	40	(61)
920	92	28	(32)	2050	90	41	(63)

TOTAL 26 KULITES

Figure 4c ; External Tank Kulite Locations



φ = 0 IS SRB BOTTOM

SRB STA. Xs	φ Deg.	Kullite No.	MSID	SRB STA. Xs	φ Deg.	Kullite No.	MSID
400	0	42	(1)	1770	0	56R&A	(16)
425	0	43	(2)	1825	0	57R&A	(18)
490	0	44R&A	(3)	1790	90	58R&A	(19)
600	0	45R&A	(4)	1825	90	59R&A	(20)
280	90	46	(5)	1882	90	60	(21)
317	90	47	(6)	1865	352	61	(23)
360	90	48	(7)	1882	285	62	(24)
406	90	49	(8)	1853	225	63	(25)
400	270	50	(9)	1535	>0	64R&A	(26)
425	270	51	(10)	1550	<0	65R&A	(27)
500	270	52R&A	(11)	1485	225	66R&A	(28)
1485	0	53R&A	(12)	1535	>225	67R&A	(29)
1500	171	54R&A	(13)	1550	<225	68R&A	(30)
1730	0	55R&A	(14)	TOTAL 27 KULITES			
			(15)				

Note : R&A Indicate Kullites on both the RSRM and ASRM Interchangeable shells

Figure 4 d : Solid Rocket Booster Kullite Locations

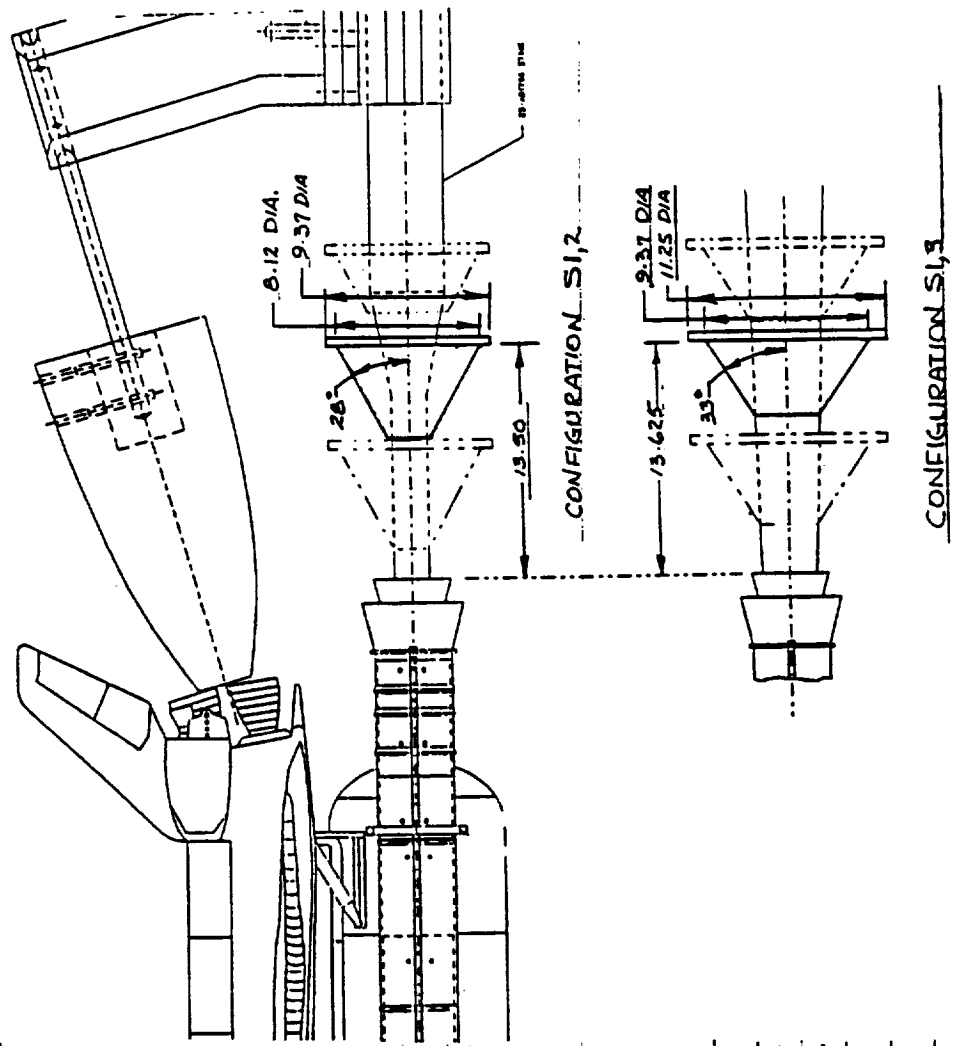
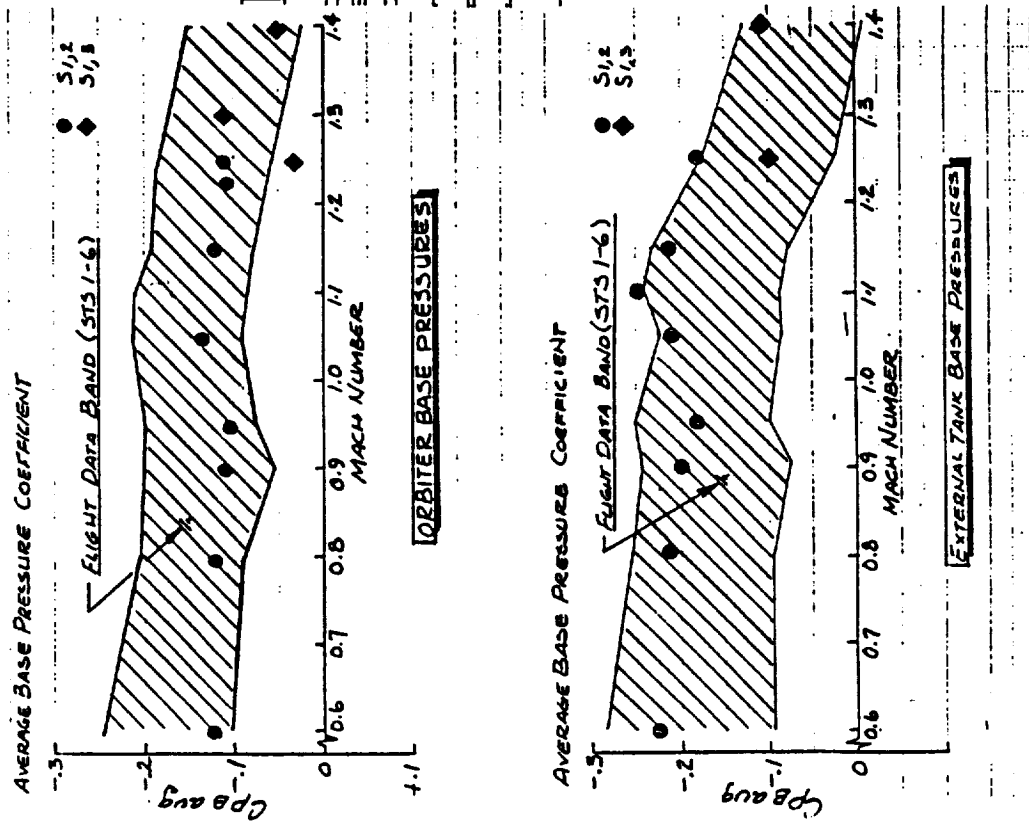


Figure 5 ; Selected Solid Plume Configuration & Base Pressure Match

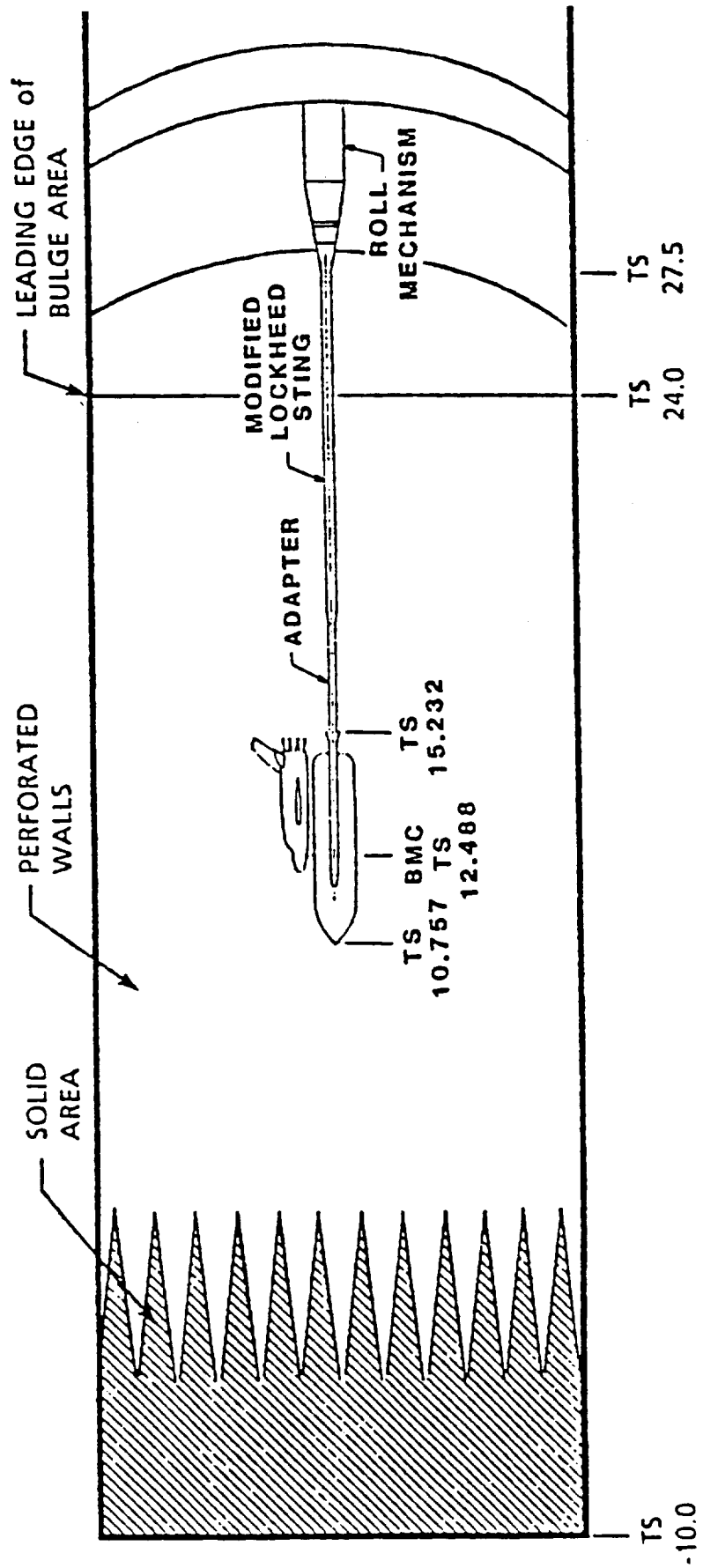


Figure 6 ; Model Installation in the AEDC 16'T Wind Tunnel

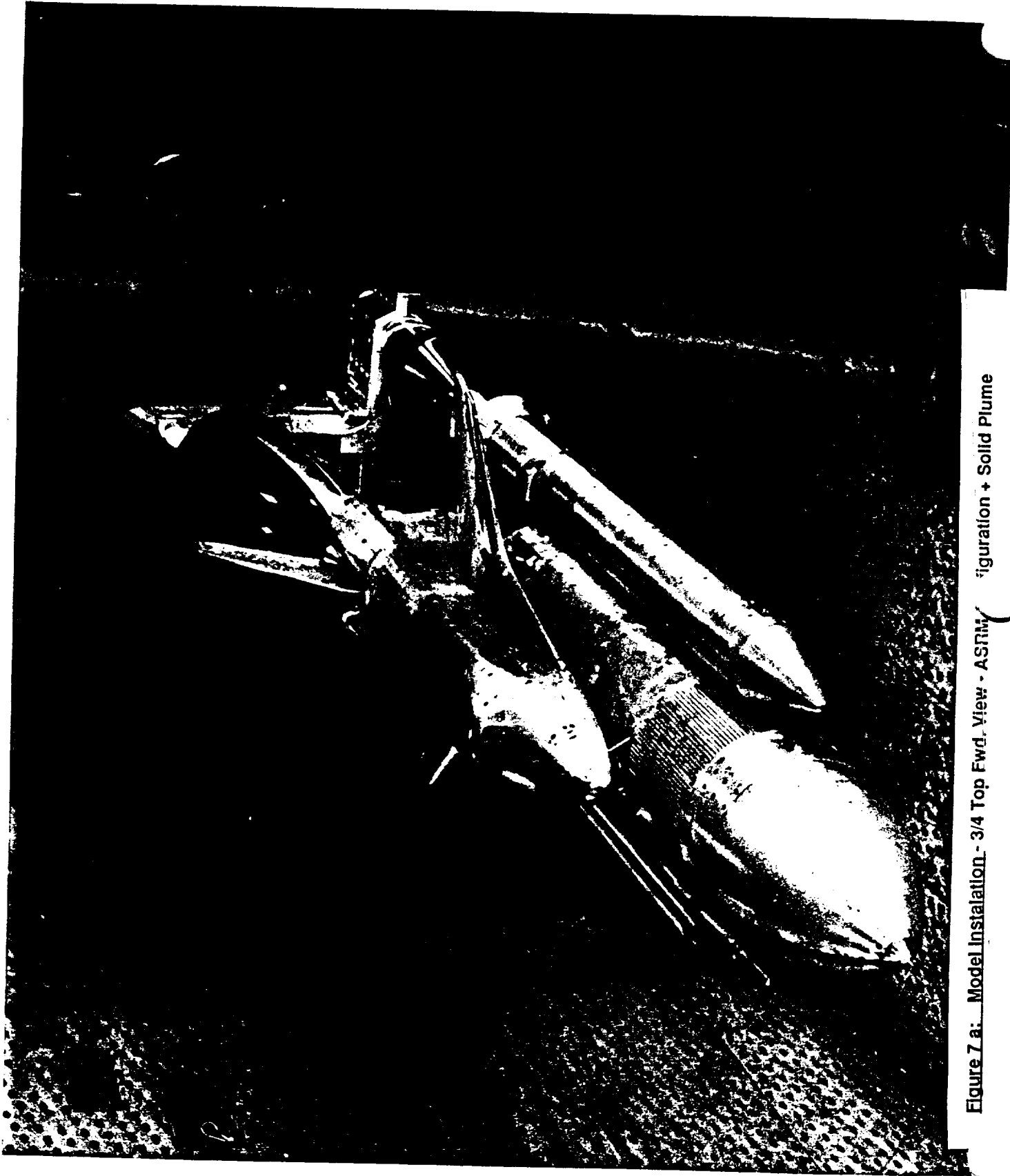


Figure 7 a: Model Installation - 3/4 Top Fwd. View - ASRM Configuration + Solid Plume



Figure 7 b: Model Installation - 3/4 Lwr. Fwd. View - RSRB Configuration w/o Solid Plume

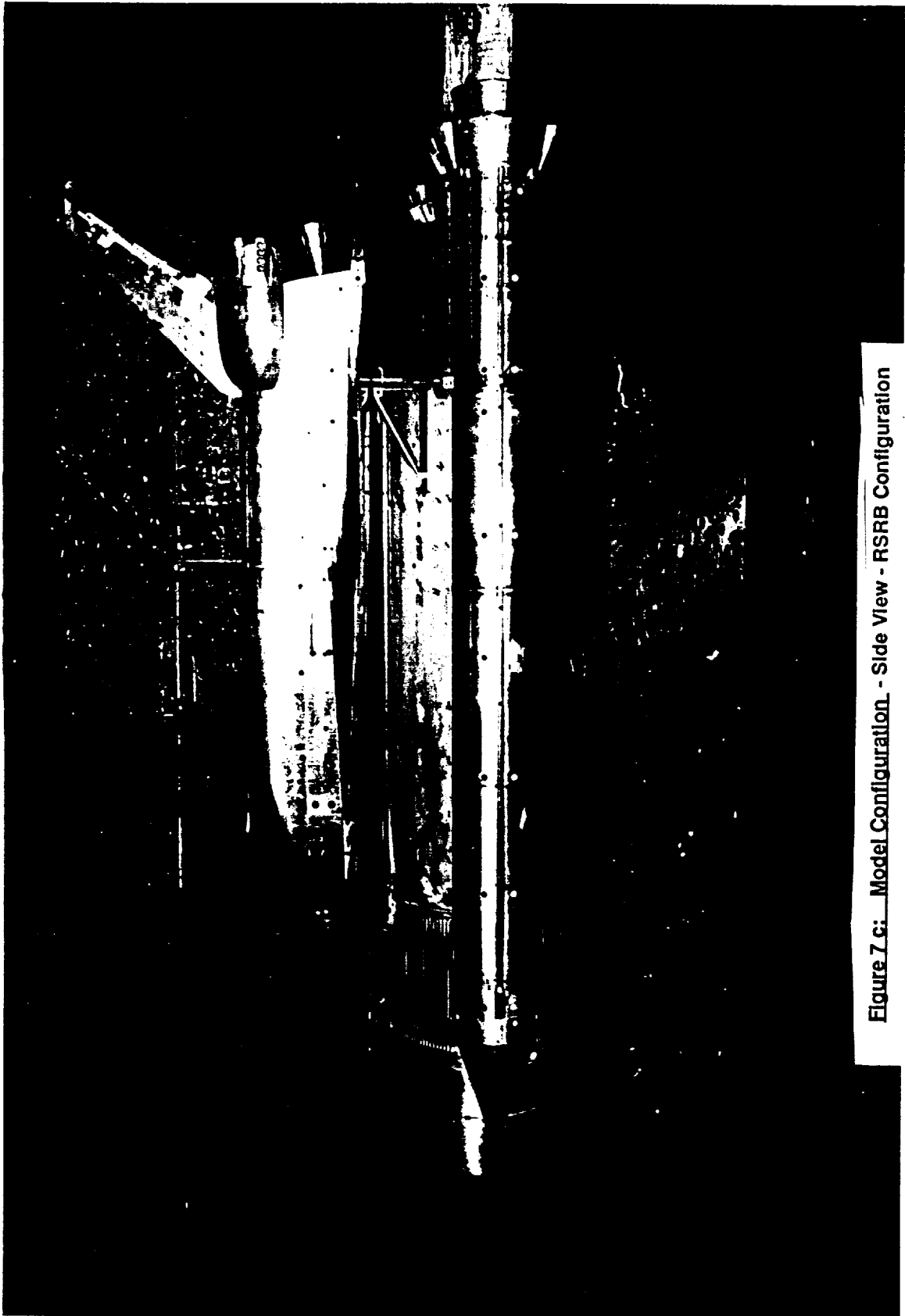


Figure 7.c: Model Configuration - Side View - RSRB Configuration

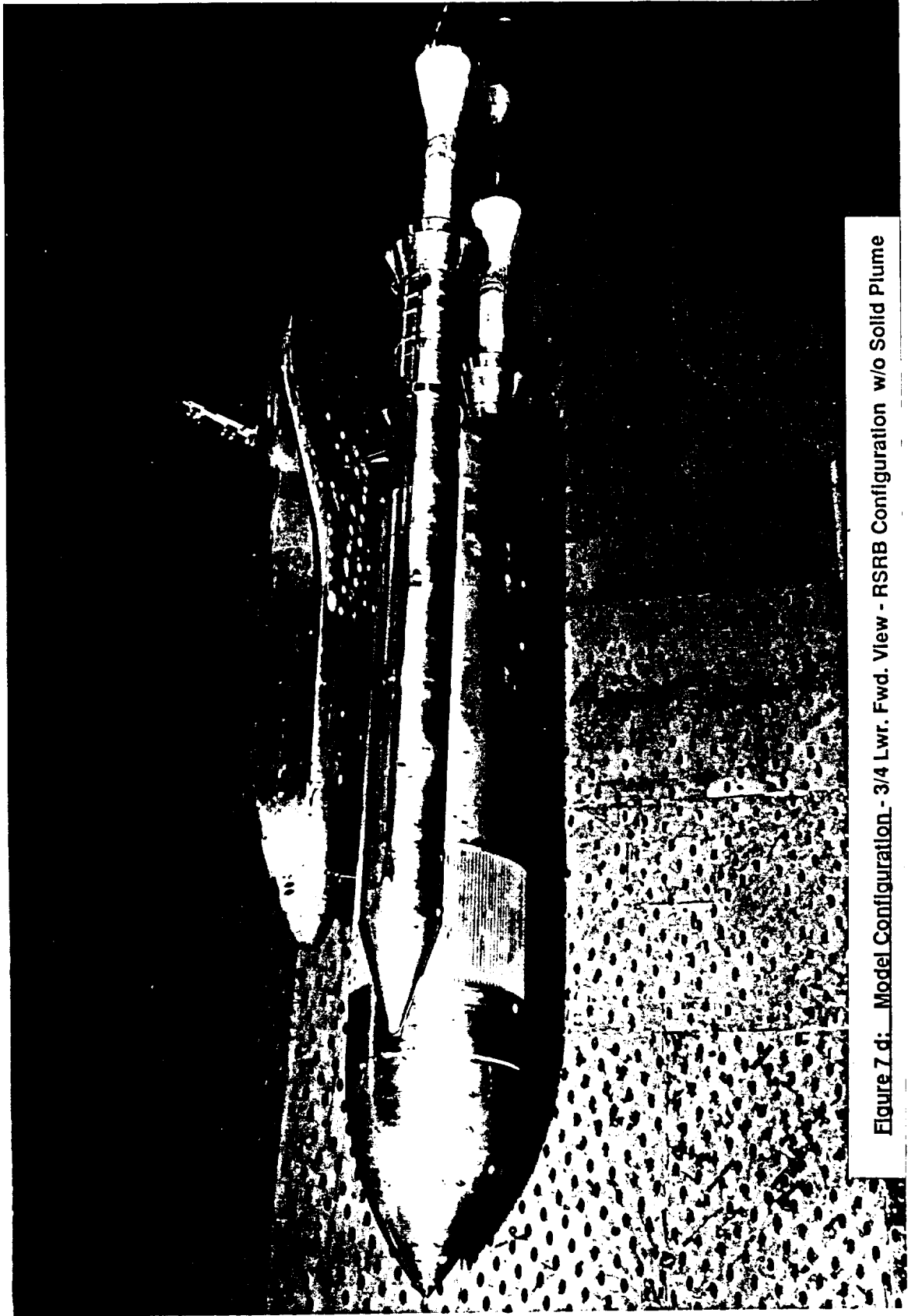


Figure 7.d: Model Configuration - 3/4 Lwr. Fwd. View - RSRB Configuration w/o Solid Plume

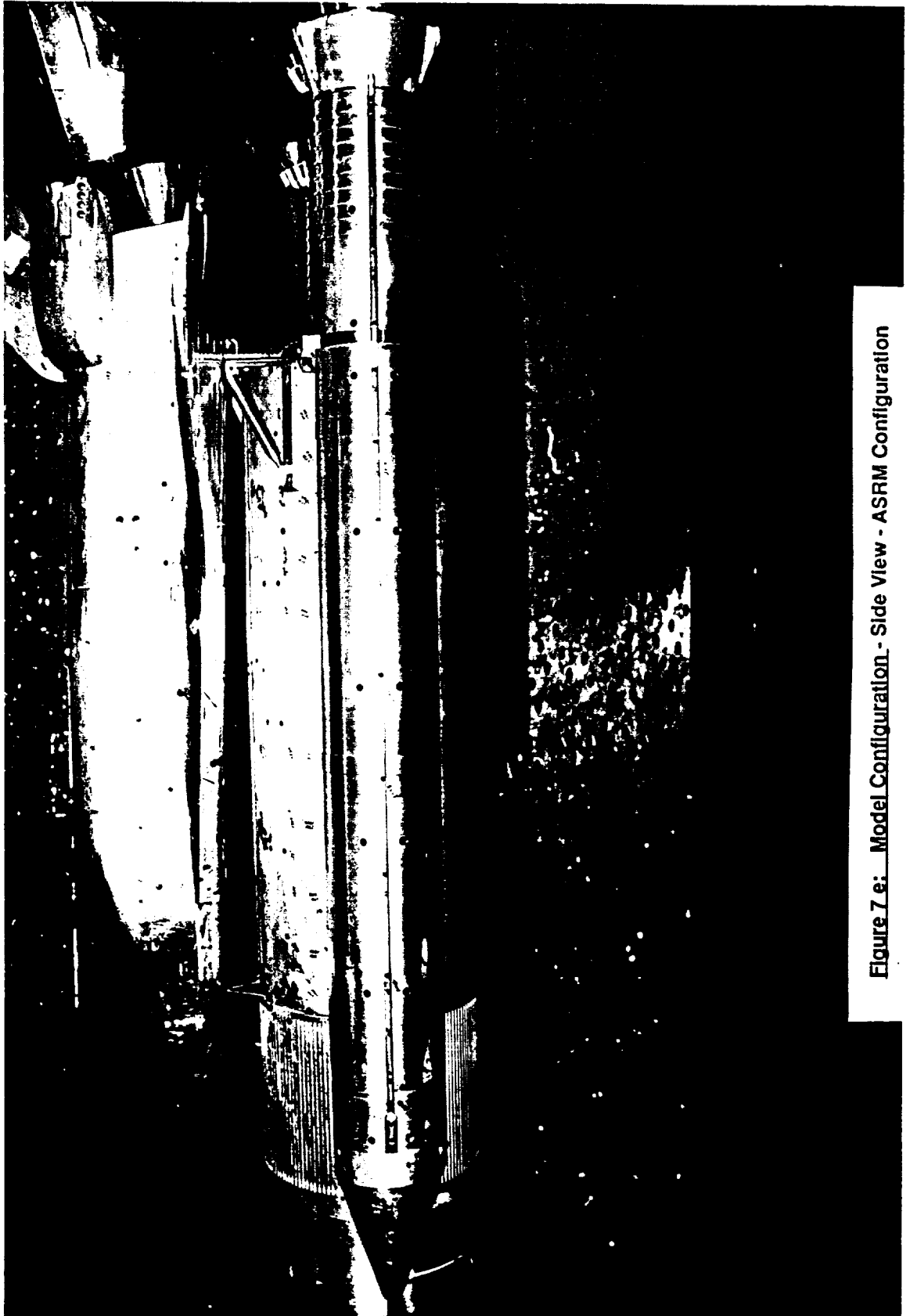


Figure 7 e: Model Configuration - Side View - ASRM Configuration

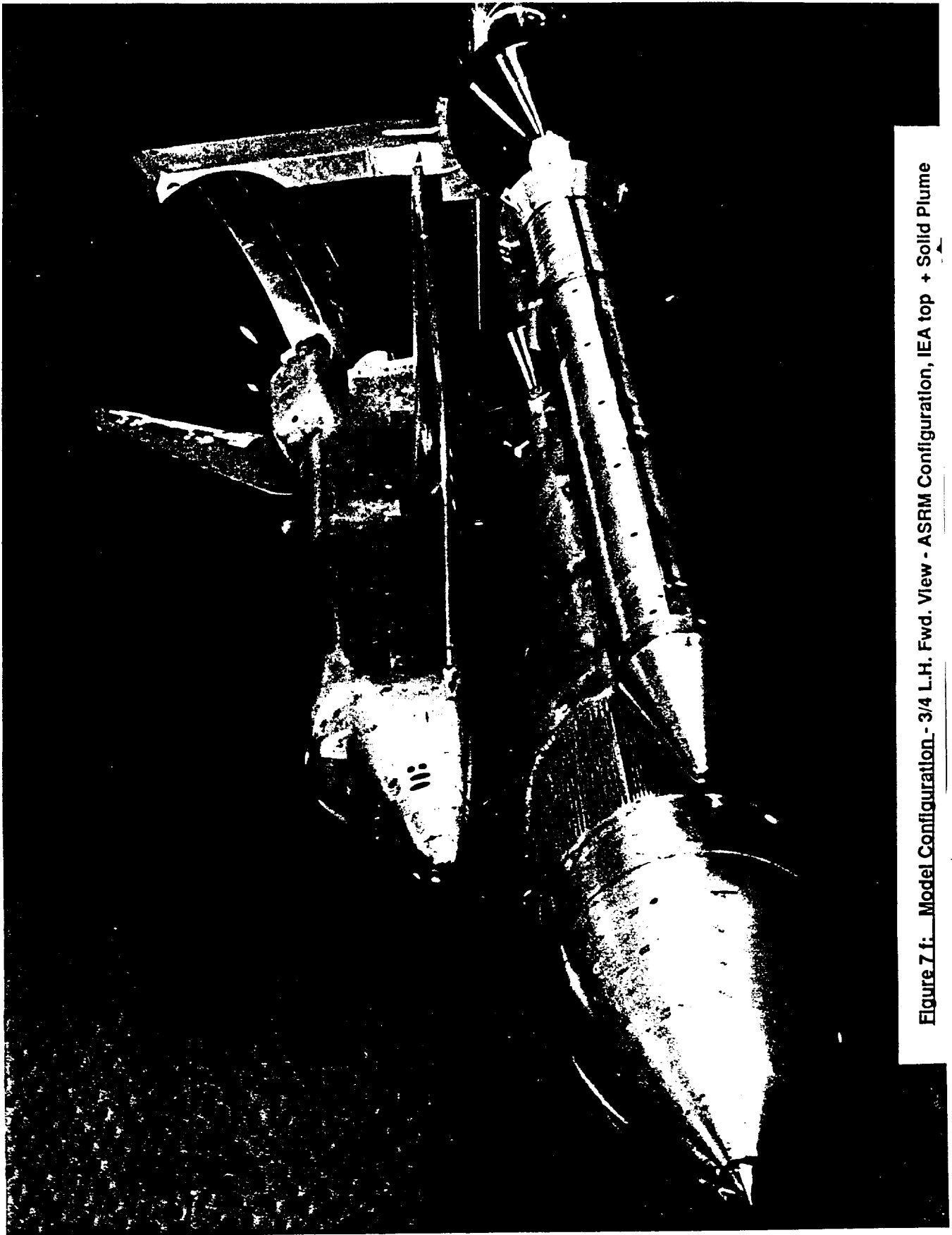


Figure 7.f: Model Configuration - 3/4 L.H. Fwd. View - ASRM Configuration, IEA top + Solid Plume



View - ASRM Configuration, IEA Top

Figure 7.g: Model Configuration - 3/4 R.H. Fwd. Cld

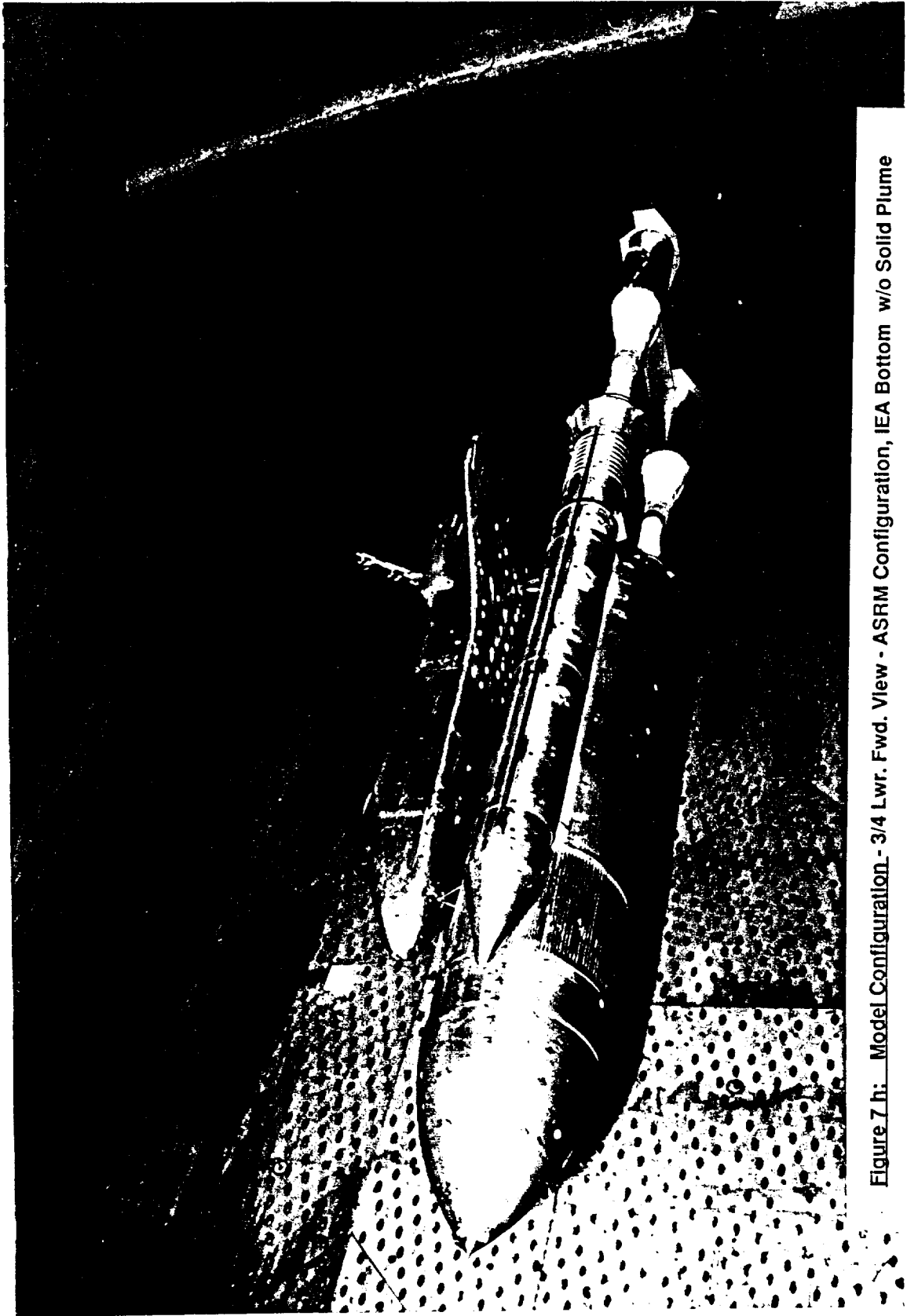


Figure 7 h: Model Configuration - 3/4 Lwr. Fwd. View - ASRM Configuration, IEA Bottom w/o Solid Plume



Figure 7 i: Model Configuration - CloseupView - ASRM Configuration, IEA Bottom w/o Solid Plume

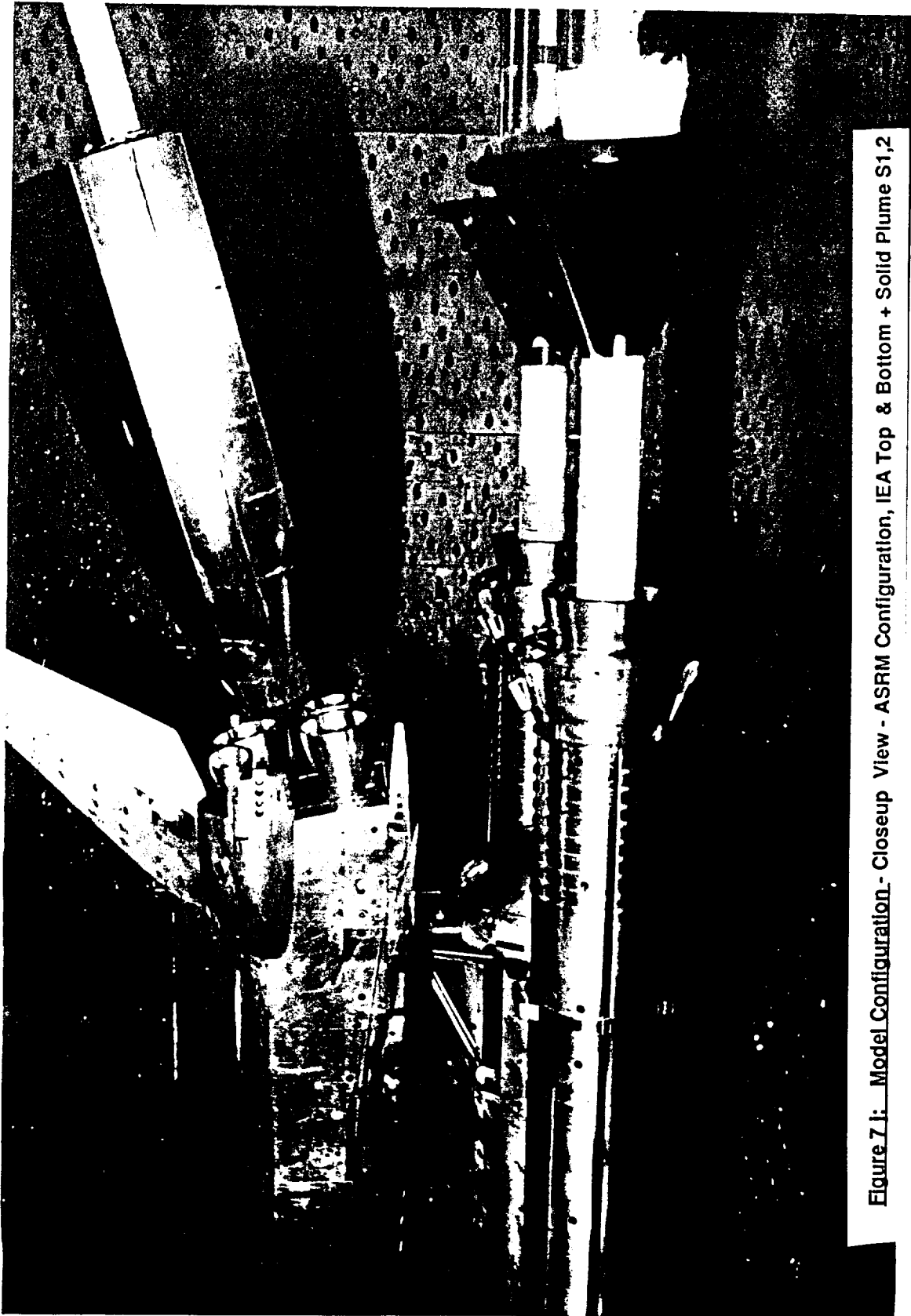


Figure 7 j: Model Configuration - Closeup View - ASRM Configuration, IEA Top & Bottom + Solid Plume S1,2



Figure 7 k: Model Configuration - 3/4 Lwr. Fwd. View - ASRM Configuration, IEA Top & Bottom + Solid Plume

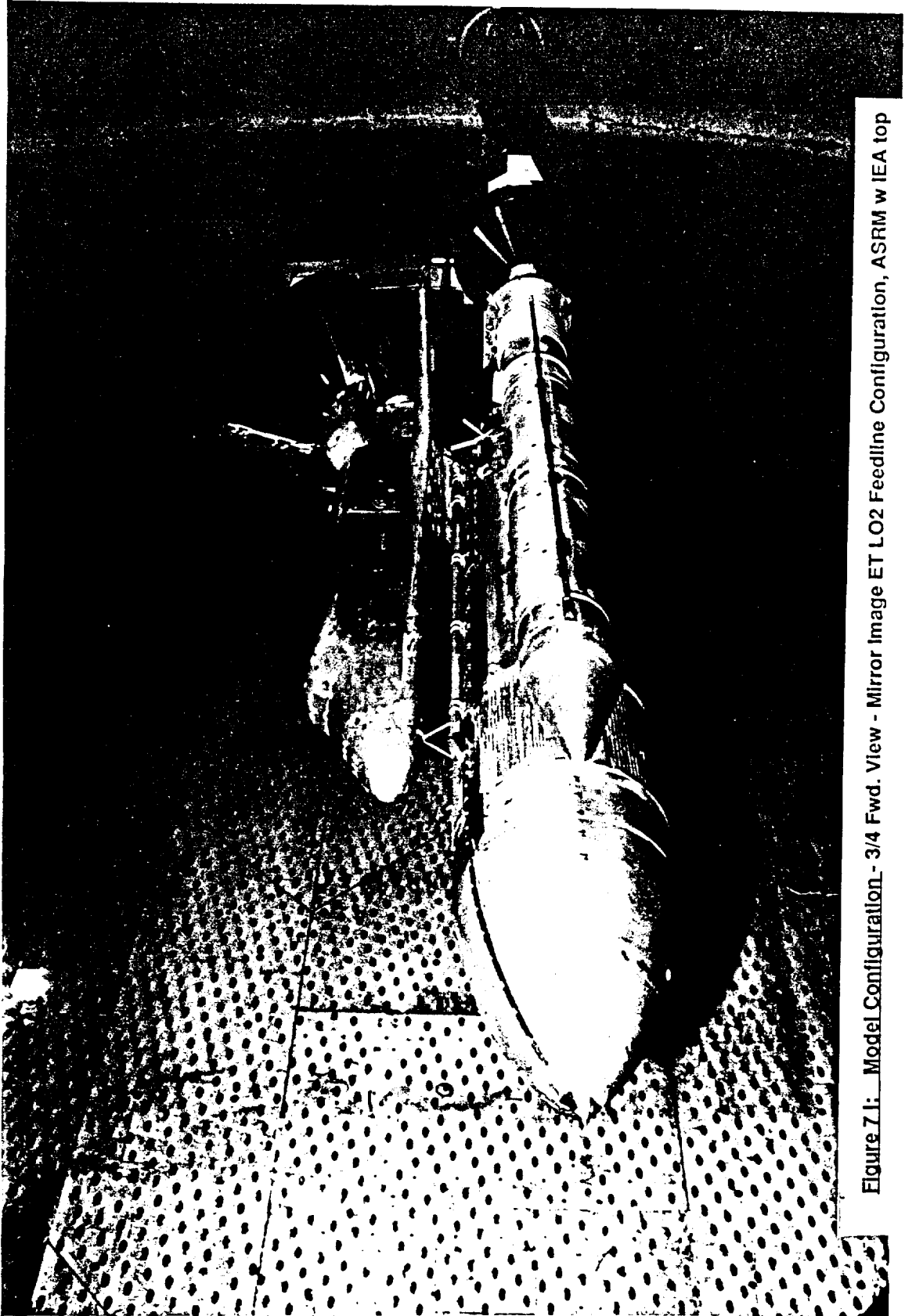


Figure 7.1: Model Configuration - 3/4 Fwd. View - Mirror Image ET LO2 Feedline Configuration, ASRM w IEA top

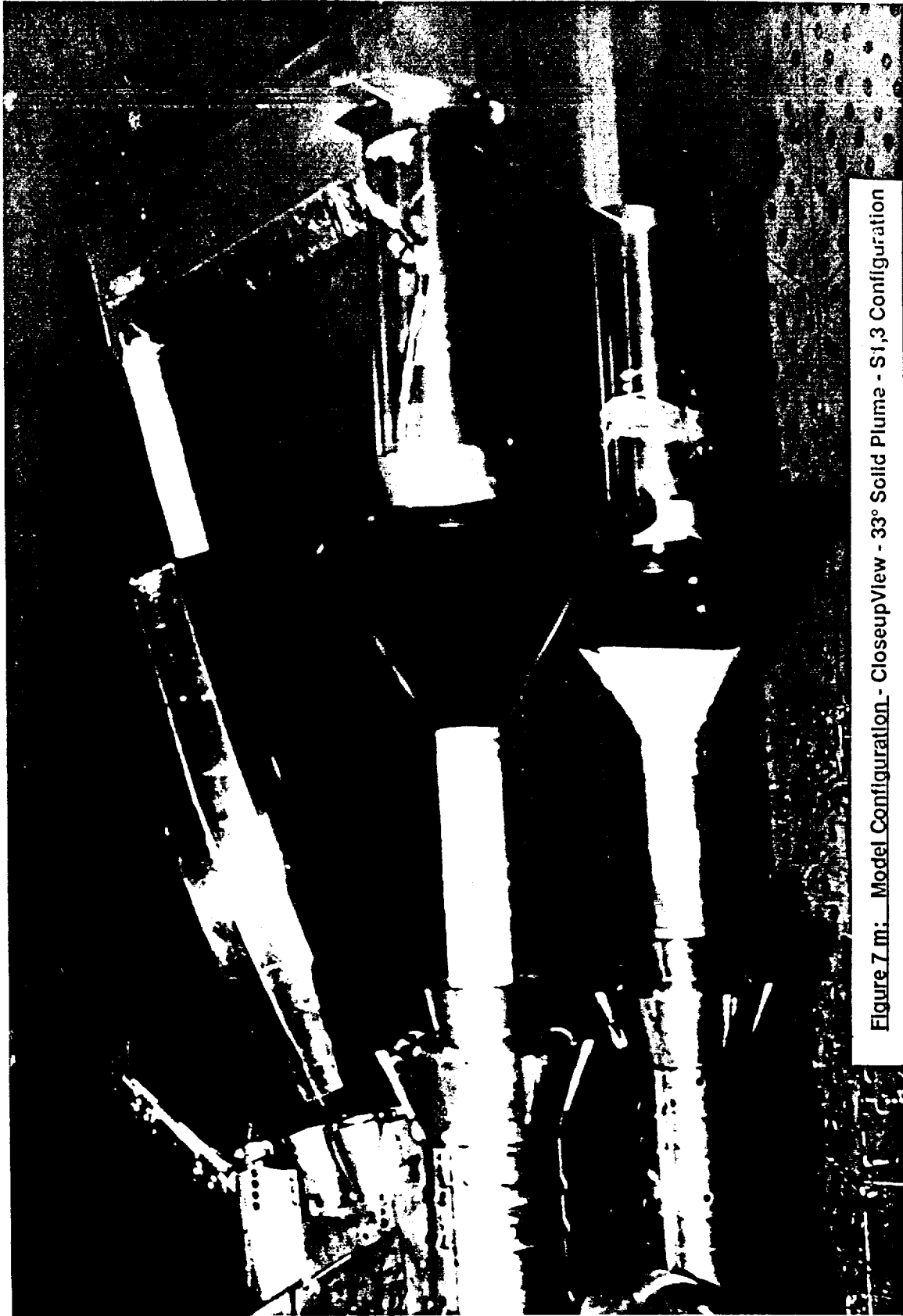


Figure 7.m: Model Configuration - CloseupView - 33° Solid Plume - S1,3 Configuration

DATA FIGURES
(FORCE)

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DATA SFT SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0001	IAG13A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.500	TOP	10.000	9.000
RC0029	IAG13A1AEDC 161F-829) OT(1000R OFF) + RSRM, PLU. OFF	.600	TOP	10.000	9.000
RC0015	IAG13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	TOP	10.000	9.000
XC00F7	IAG13A1AEDC 161F-829) OT(1000R OF F) + RSRM + PLUMES 51.2	.600	TOP	10.000	5.000
RC00H2	IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2	.600	TOP	10.000	9.000

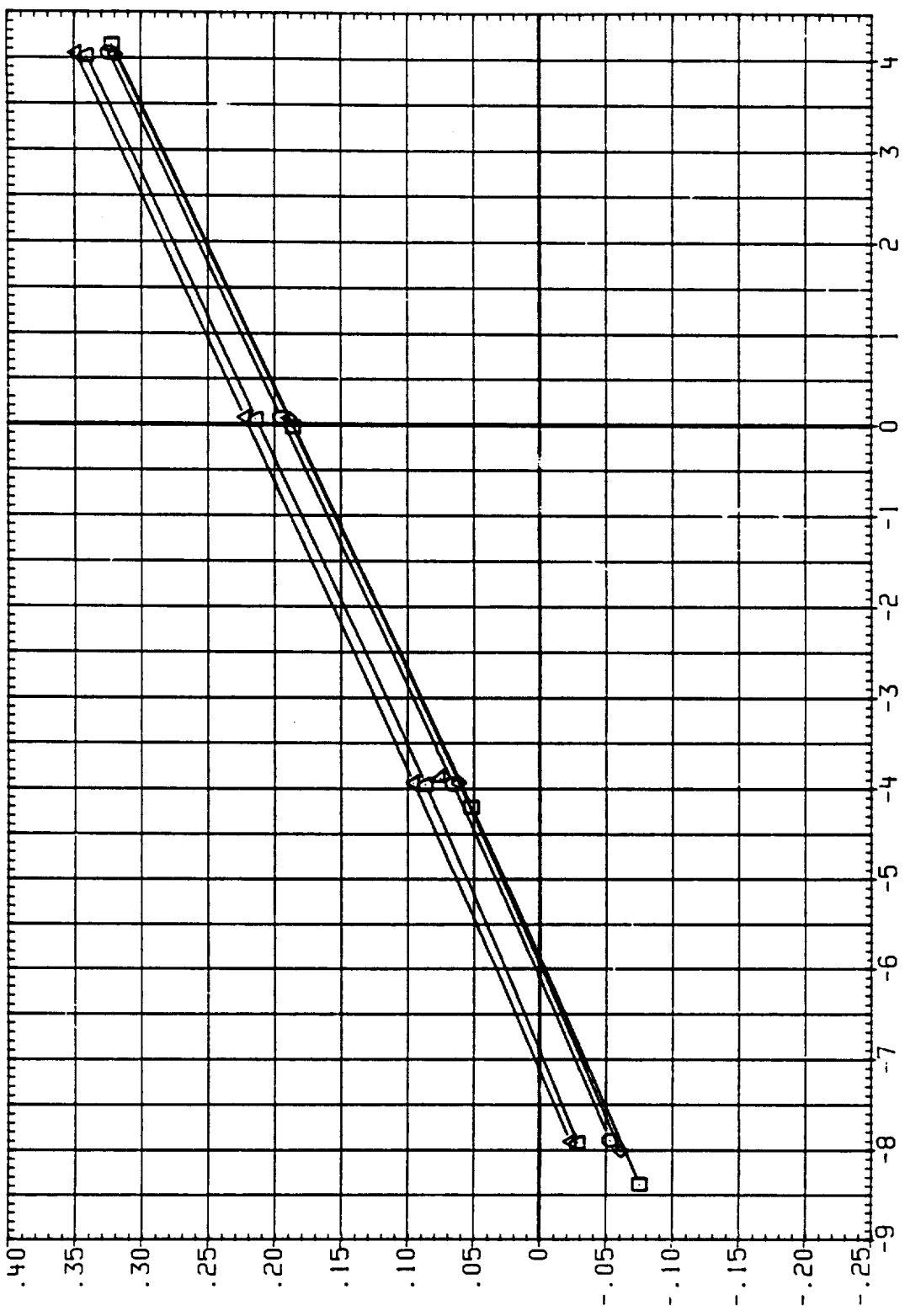
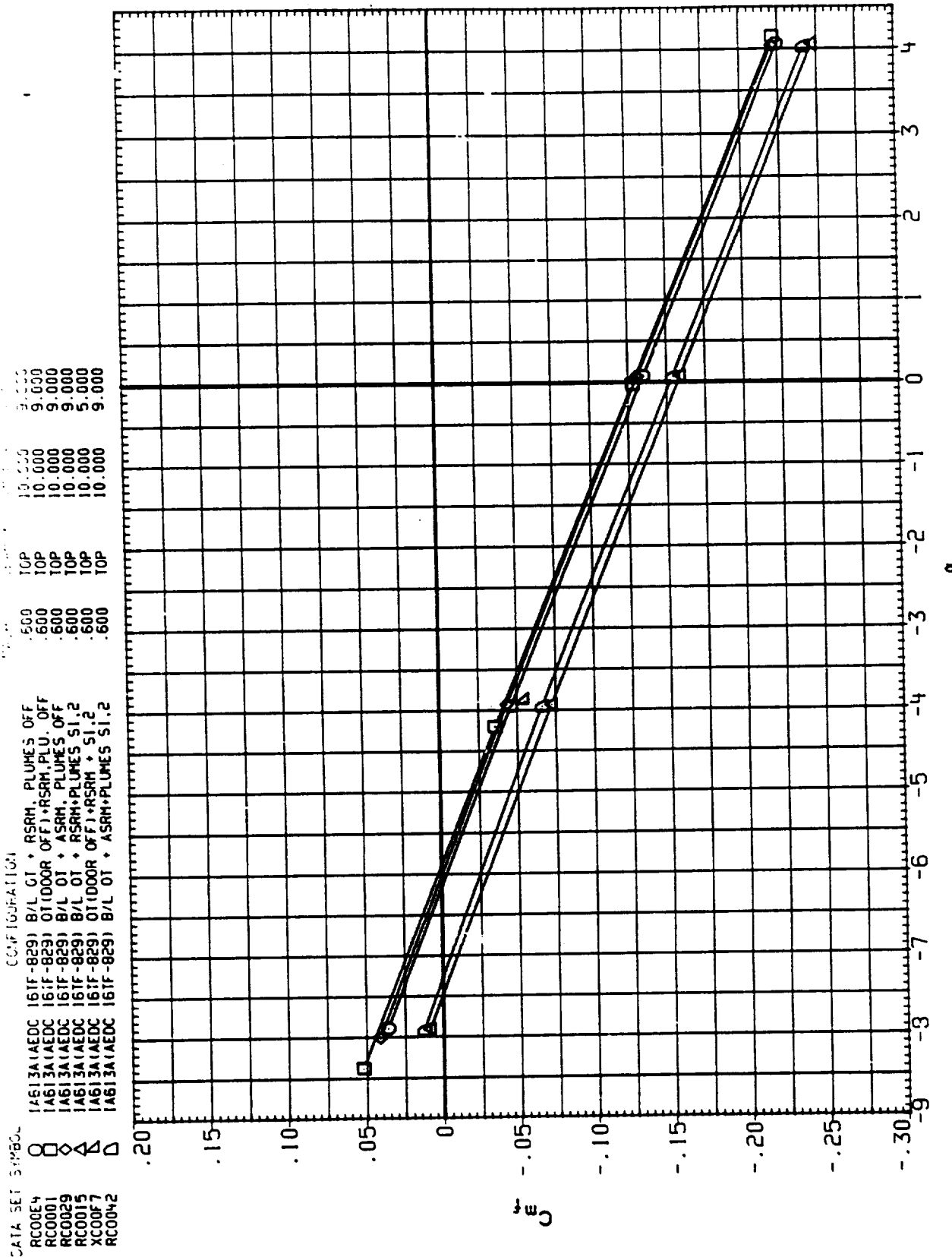


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00



DATA SET SYMBOL

RC00E4 □ I A613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF

RC00D1 ○ I A613A(AEDC 161F-829) OT(DOOR OFF)+RSRM, PLU. OFF

RC00D9 ◇ I A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF

RC0015 ▲ I A613A(AEDC 161F-829) B/L OT + RSRM+PLUMES SI.2

XC00F7 △ I A613A(AEDC 161F-829) OT(DOOR OFF)+RSRM + SI.2

RC00M2 ▽ I A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.2

CONFIGURATION

500 .500 TOP

600 .600 TOP

600 .600 TOP

600 .600 TOP

600 .600 TOP

10.000 10.000 TOP

10.000 10.000 TOP

10.000 10.000 TOP

10.000 10.000 TOP

FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	LEAGUA	RE-LEN	CE-LEN
RC00E4	I A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.600	TOP	10.000	9.000
RC0001	I A613A1AEDC 161F-829) OT(GCOR OFF)+RSRM,PLU. OFF	.600	TOP	10.000	9.000
RC0029	I A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	TOP	10.000	9.000
RC0015	I A613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	.600	TOP	10.000	9.000
XC00F7	I A613A1AEDC 161F-829) OT(DDOR OFF)+RSRM + S1.2	.600	TOP	10.000	9.000
RC0042	I A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	TOP	10.000	9.000

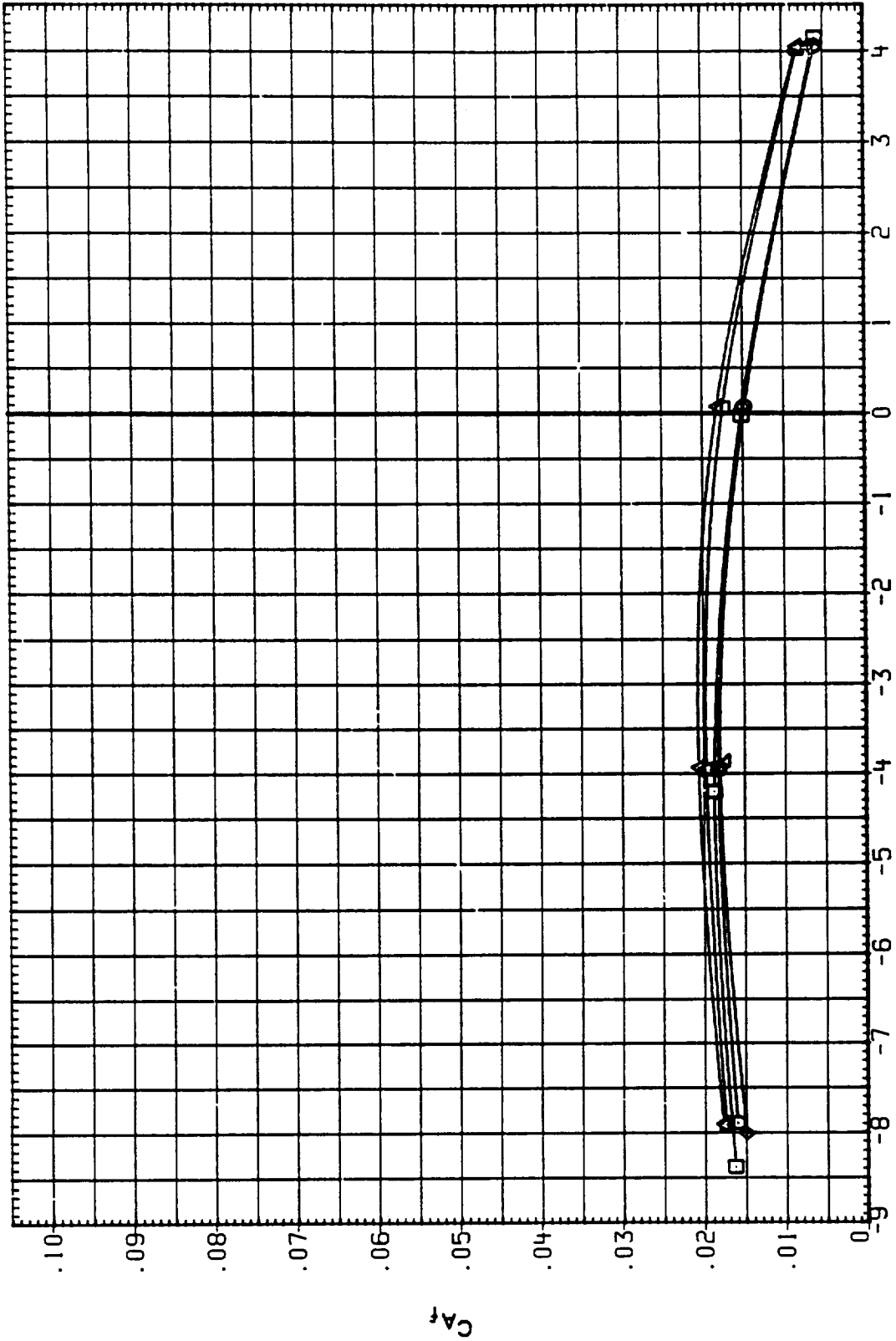


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A)BETA = .00

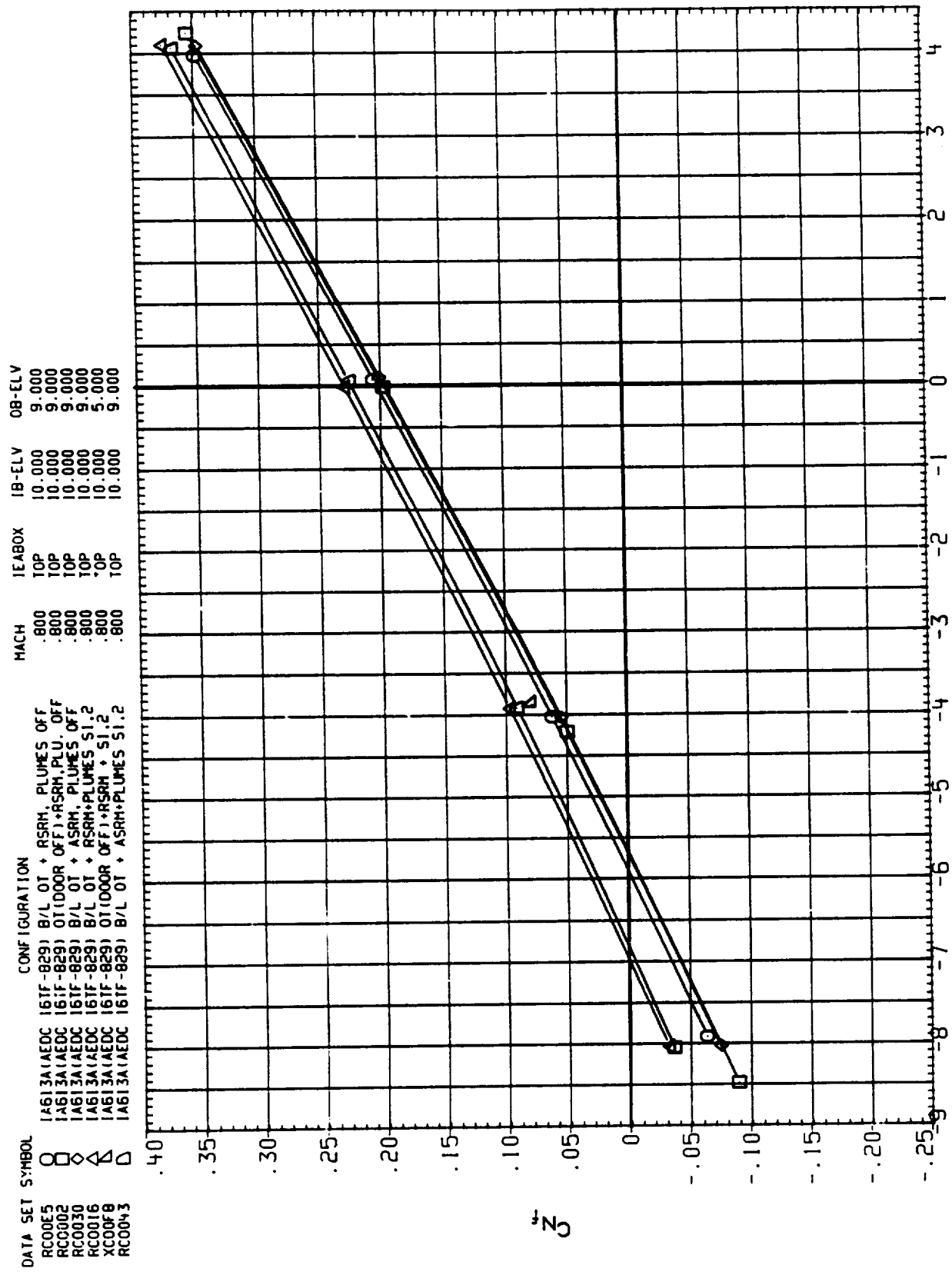


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

() BETA = .00

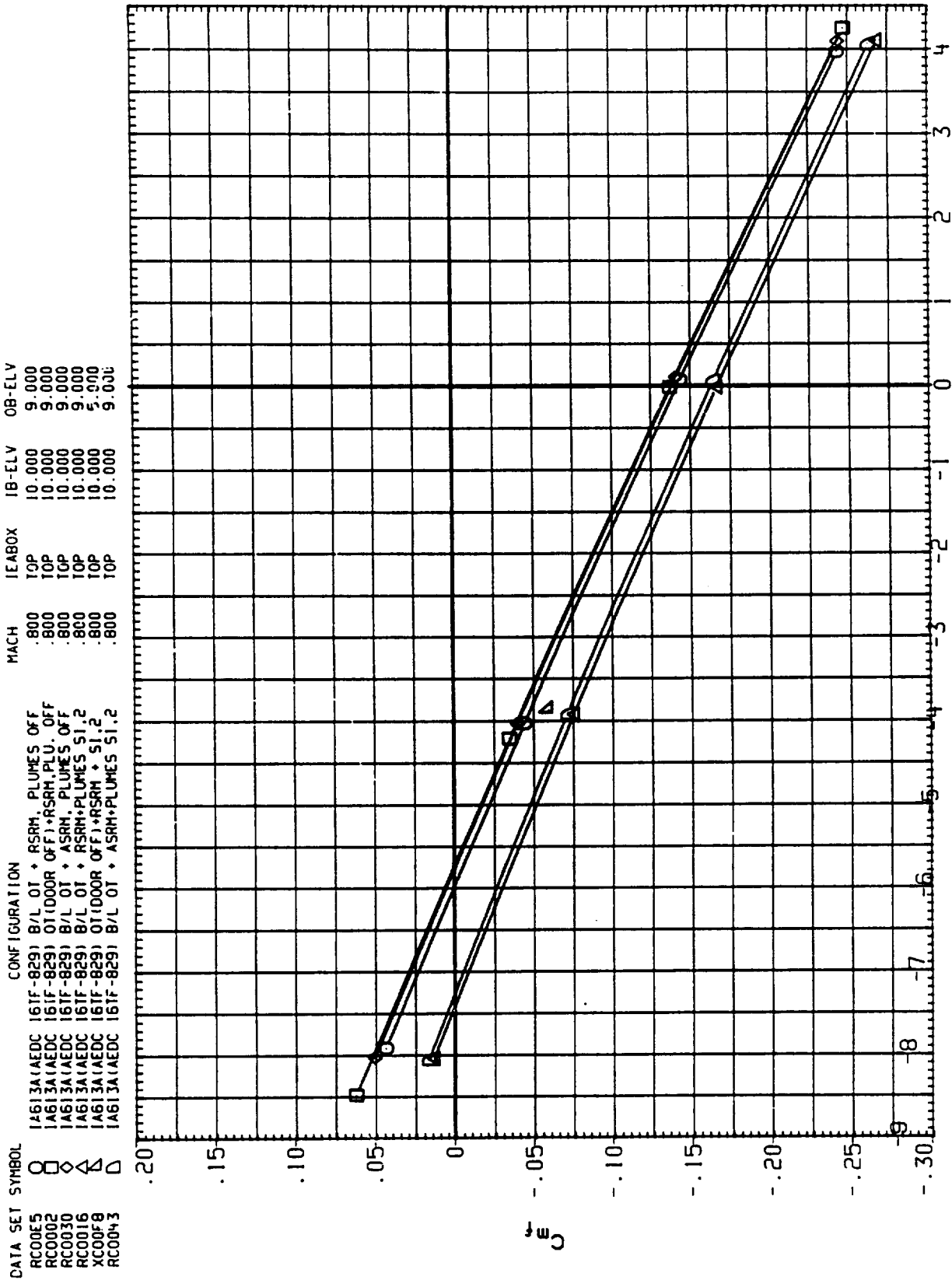


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	CS-ELV
RC00E5	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.800	TOP	10.000	9.000
RC0002	IA613A1AEDC 161F-829) OT1000R OFF)+RSRM,PLU. OFF	.800	TOP	10.000	9.000
RC0030	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	TOP	10.000	9.000
RC0016	IA613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	.800	TOP	10.000	9.000
XC00F8	IA613A1AEDC 161F-829) OT1000R OFF)+RSRM + S1.2	.800	TOP	10.000	9.000
RC00H3	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.800	TOP	10.000	9.000

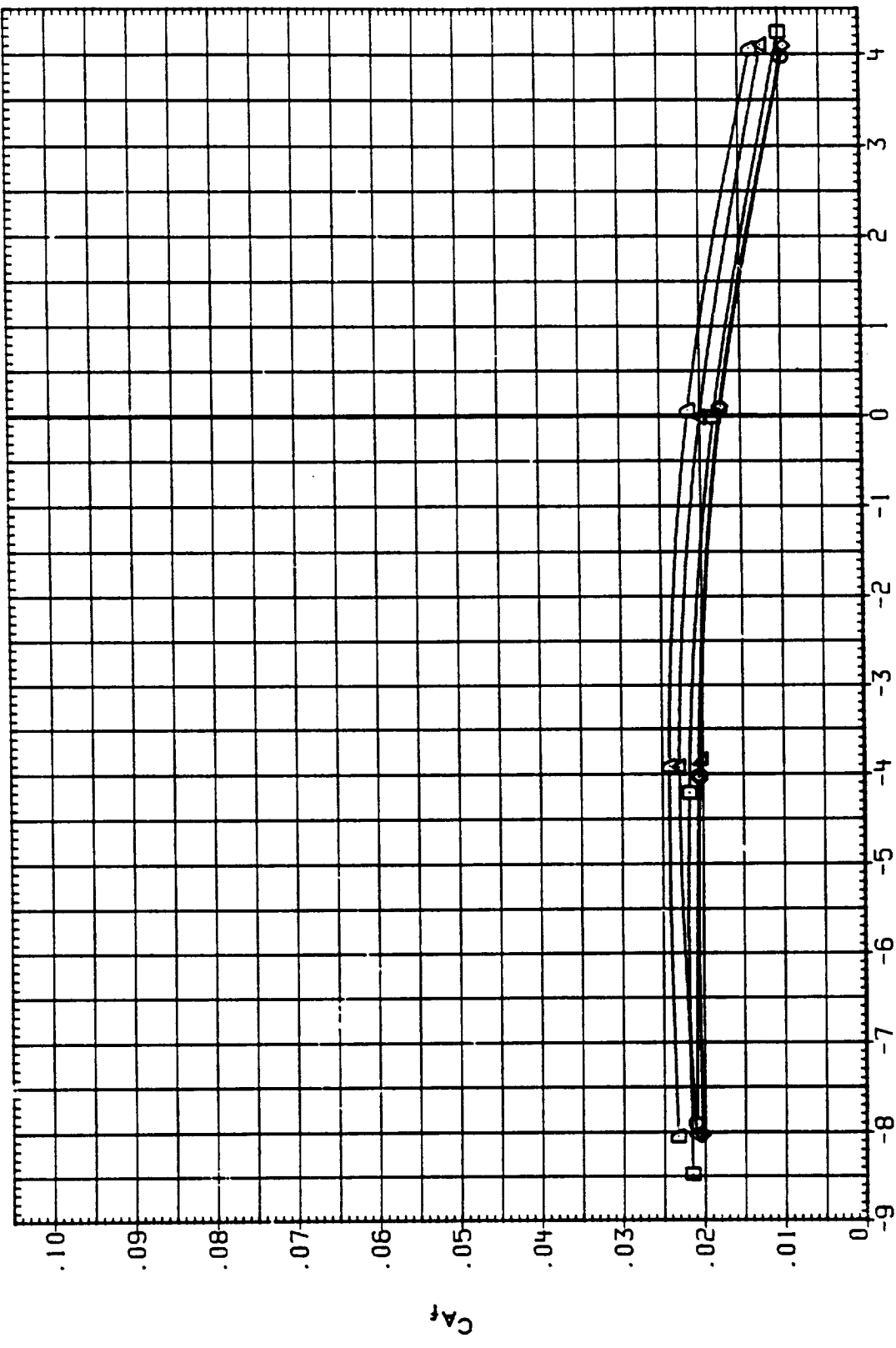


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

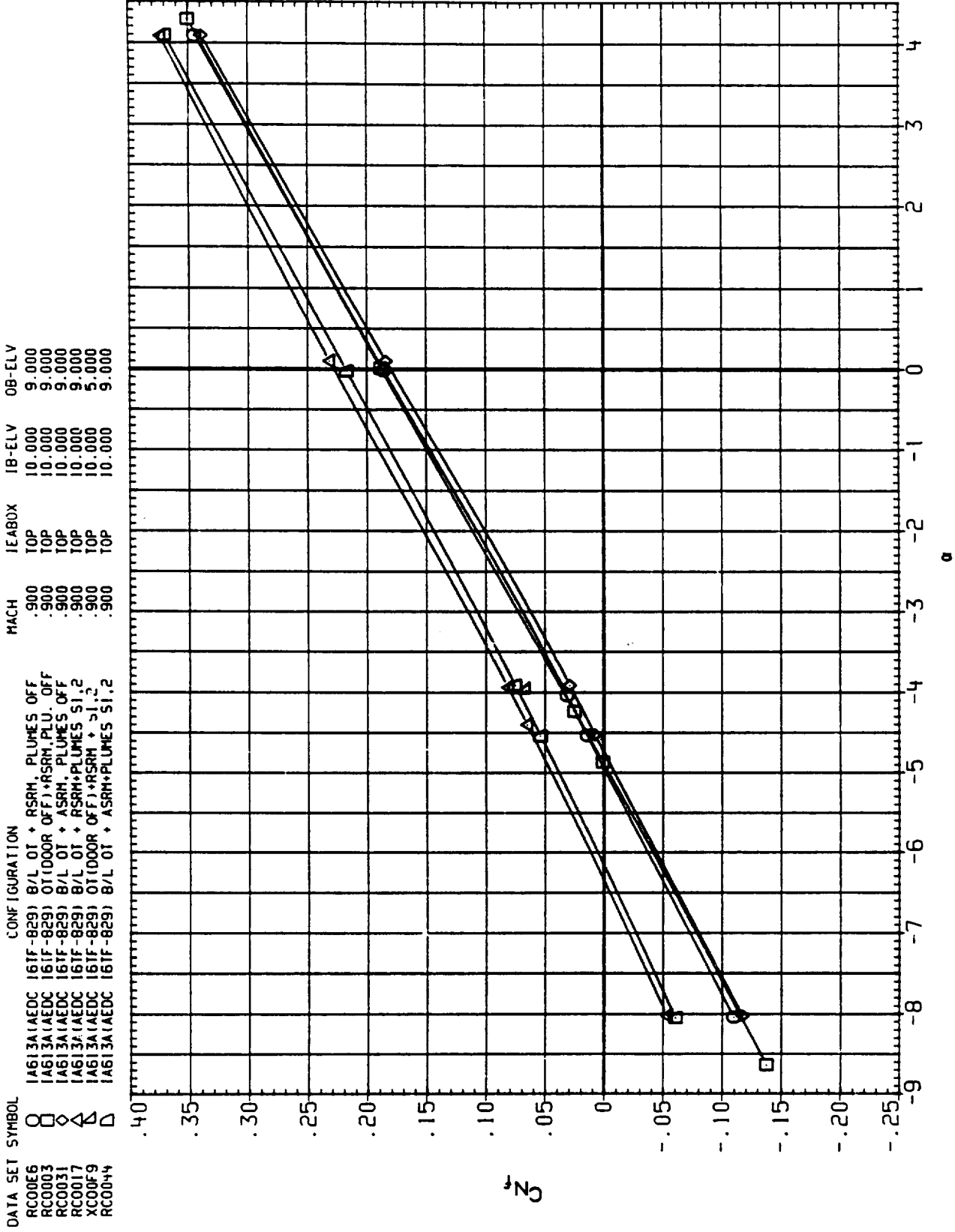


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-BOX	IB-ELV	OB-ELV
RC00E6	IAG13A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	.900	TOP	10.000	9.000
RC0003	IAG13A(AEDC 16TF-829) OT(DOOR OFF)+RSRM, PLU. OFF	.900	TOP	10.000	9.000
RC0031	IAG13A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.900	TOP	10.000	9.000
RC0017	IAG13A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2	.900	TOP	10.000	5.000
XC00F9	IAG13A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.2	.900	TOP	10.000	9.000
RC0044	IAG13A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	.900	TOP	10.000	9.000

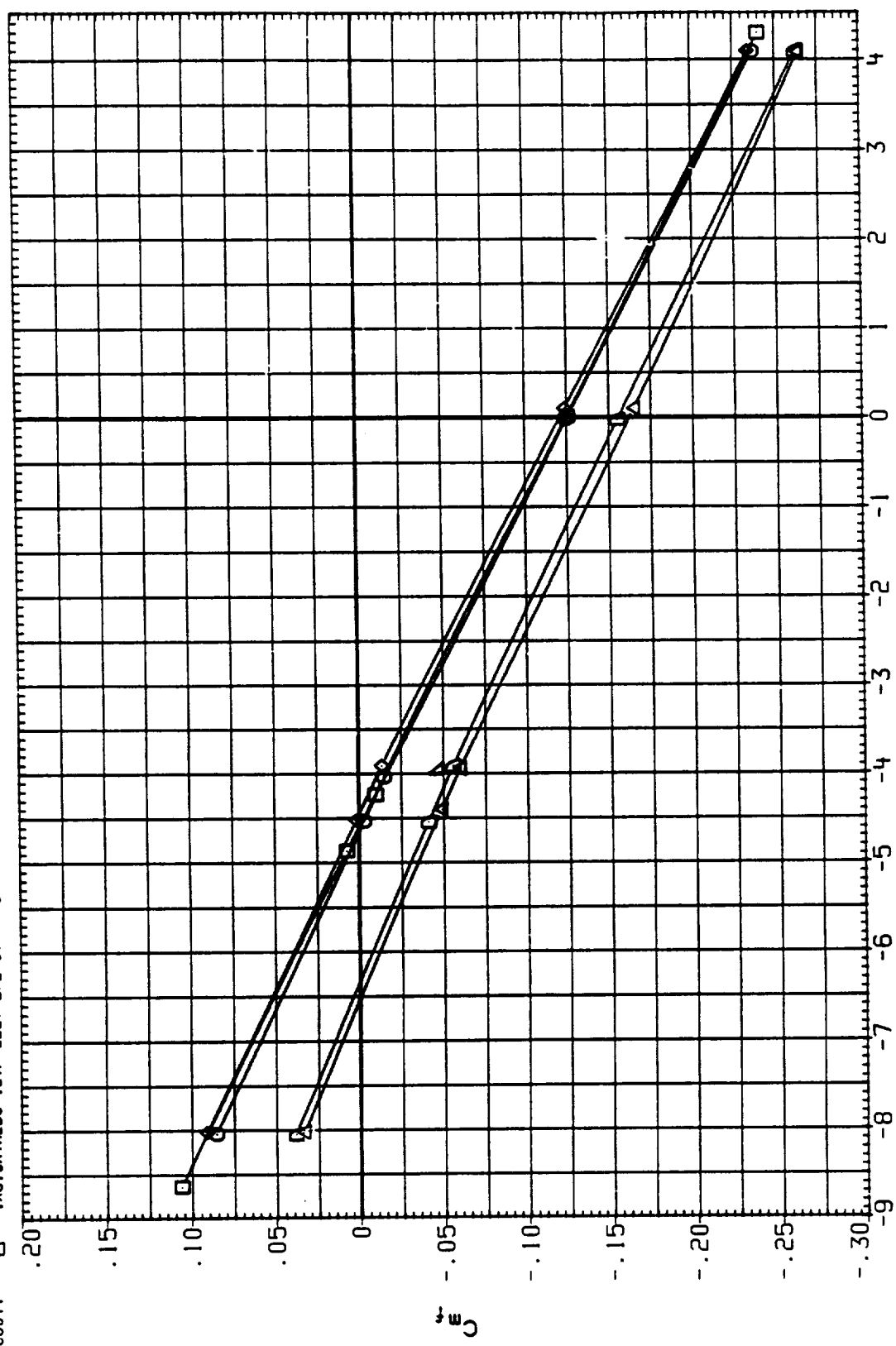


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL

CONF IGURATION

MACH IEABOX IB-ELV OB-ELV

RC00E6 IAG13A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF
 RC0003 IAG13A1AEDC 16TF-829) OT(000R OF F)+RSRM, PLU. OFF
 RC0031 IAG13A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
 RC0017 IAG13A1AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2
 XC00F9 IAG13A1AEDC 16TF-829) OT(000R OF F)+RSRM + S1.2
 RC0044 IAG13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

TOP 10.000 9.000
 TOP 10.000 9.000
 TOP 10.000 9.000
 TOP 10.000 5.000
 TOP 10.000 9.000

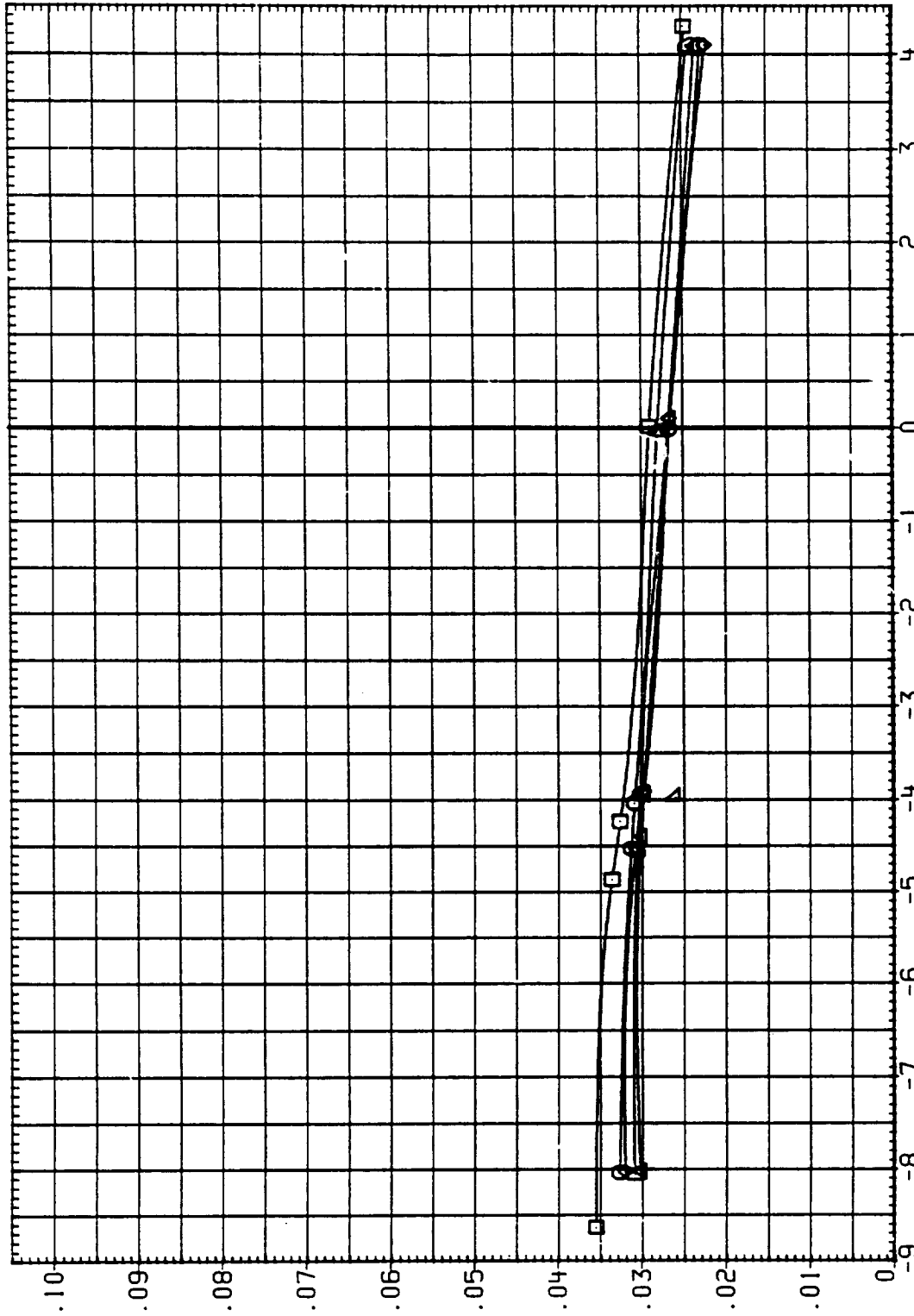


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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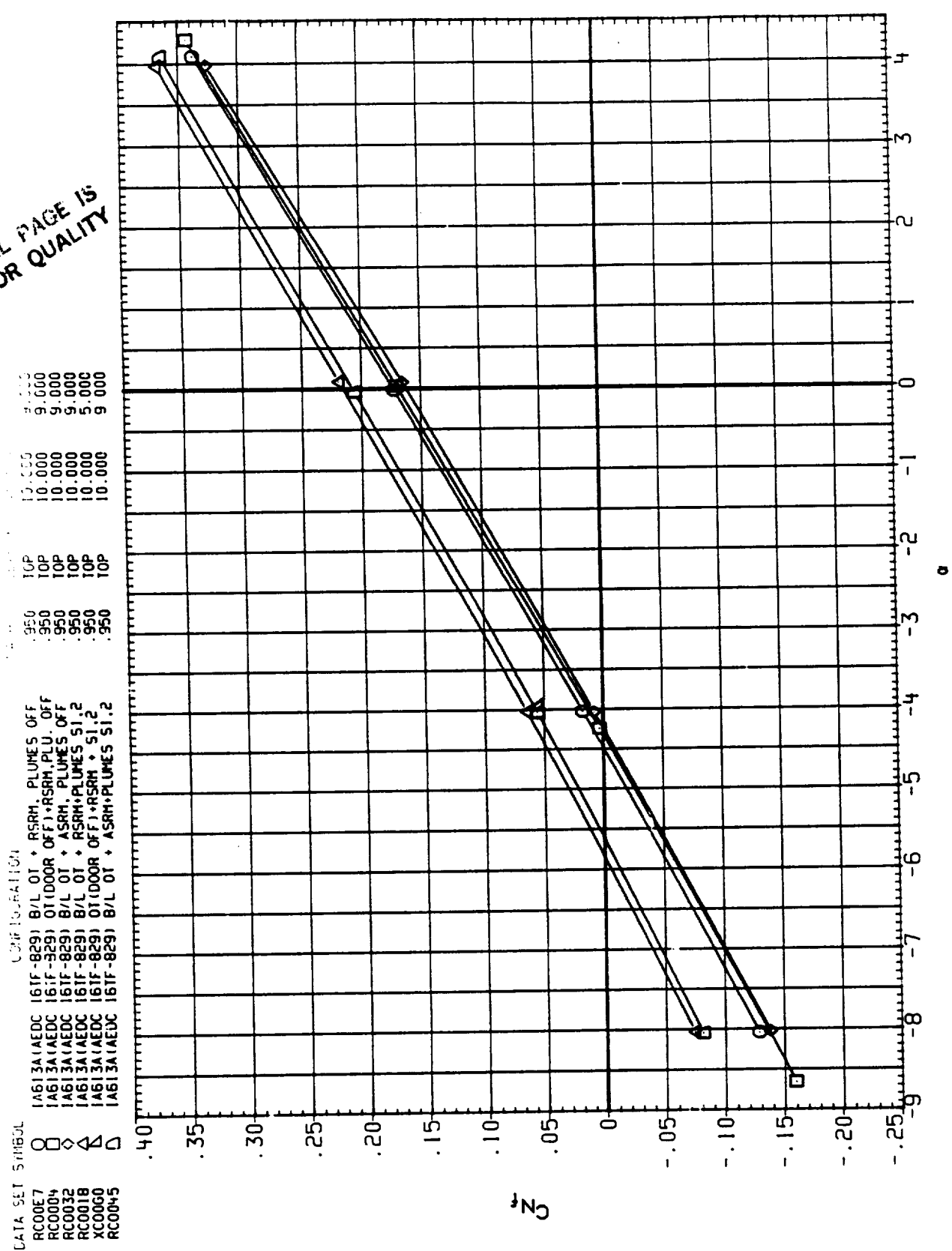


FIG. 1 EFFECT OF ASRM AND PLUMES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE490X	IB-ELV	OB-ELV
RC00E7	I A61 3A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	.950	TOP	10.000	9.000
RC0004	I A61 3A1AEDC 16TF-829) OT(DOOR OFF)+RSRM, PLU. OFF	.950	TOP	10.000	9.000
RC0032	I A61 3A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.950	TOP	10.000	9.000
RC0018	I A61 3A1AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2	.950	TOP	10.000	9.000
XC00G0	I A61 3A1AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.2	.950	TOP	10.000	5.000
RC0045	I A61 3A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	.950	TOP	10.000	9.000

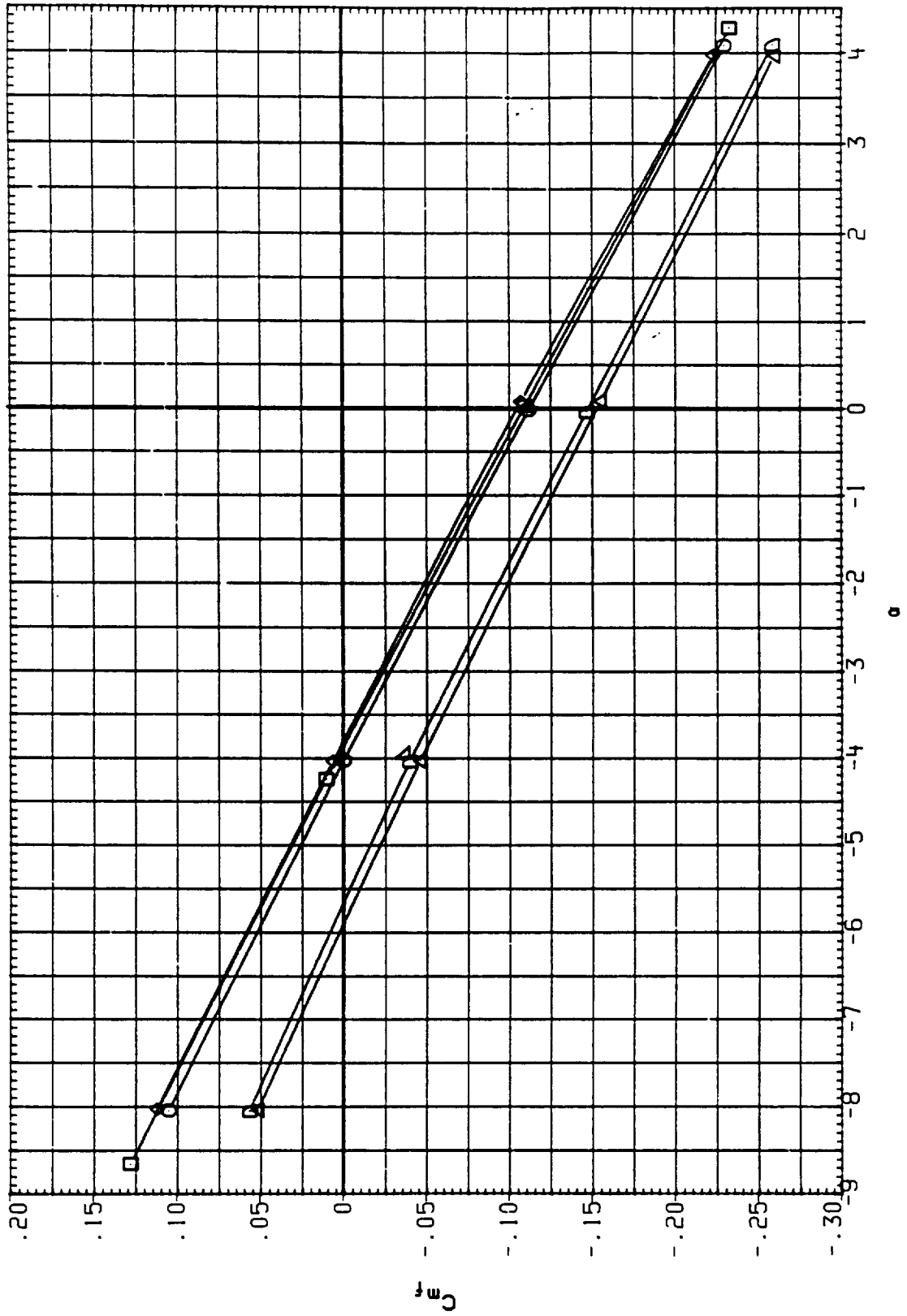


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

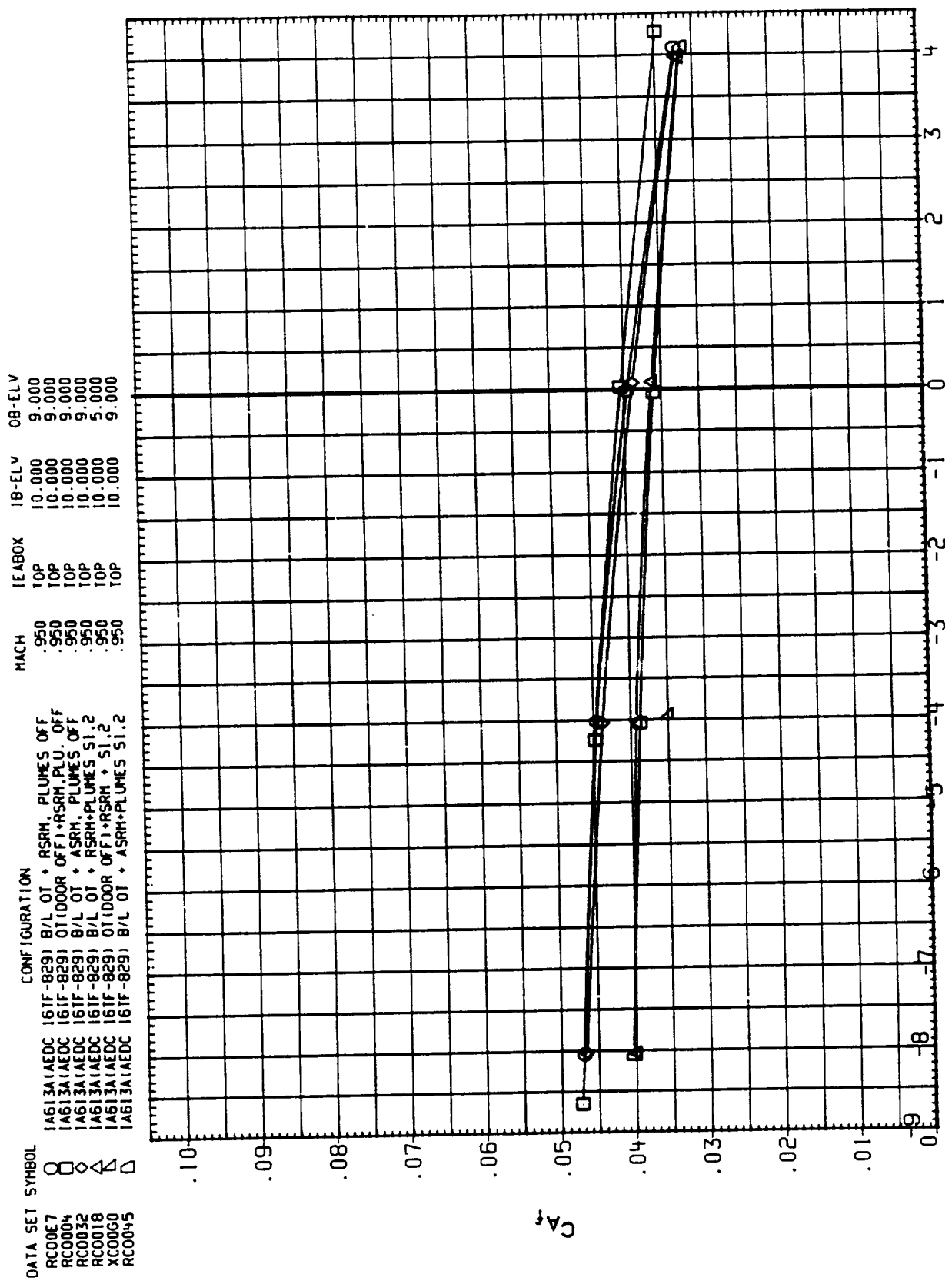


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE4BOX	IB-ELV	OB-ELV
RC00EB	IAGI3A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.050	TOP	10.000	9.000
RC0005	IAGI3A(AEDC 16TF-829) OT(000R OFF)+RSRM, PLU. OFF	1.050	TOP	10.000	9.000
RC0033	IAGI3A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.050	TOP	10.000	9.000
RC0019	IAGI3A(AEDC 16TF-829) OT(000R OFF)+RSRM + S1.2	1.050	TOP	10.000	9.000
XC00G1	IAGI3A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.050	TOP	10.000	5.000
RC0046	IAGI3A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.050	TOP	10.000	9.000

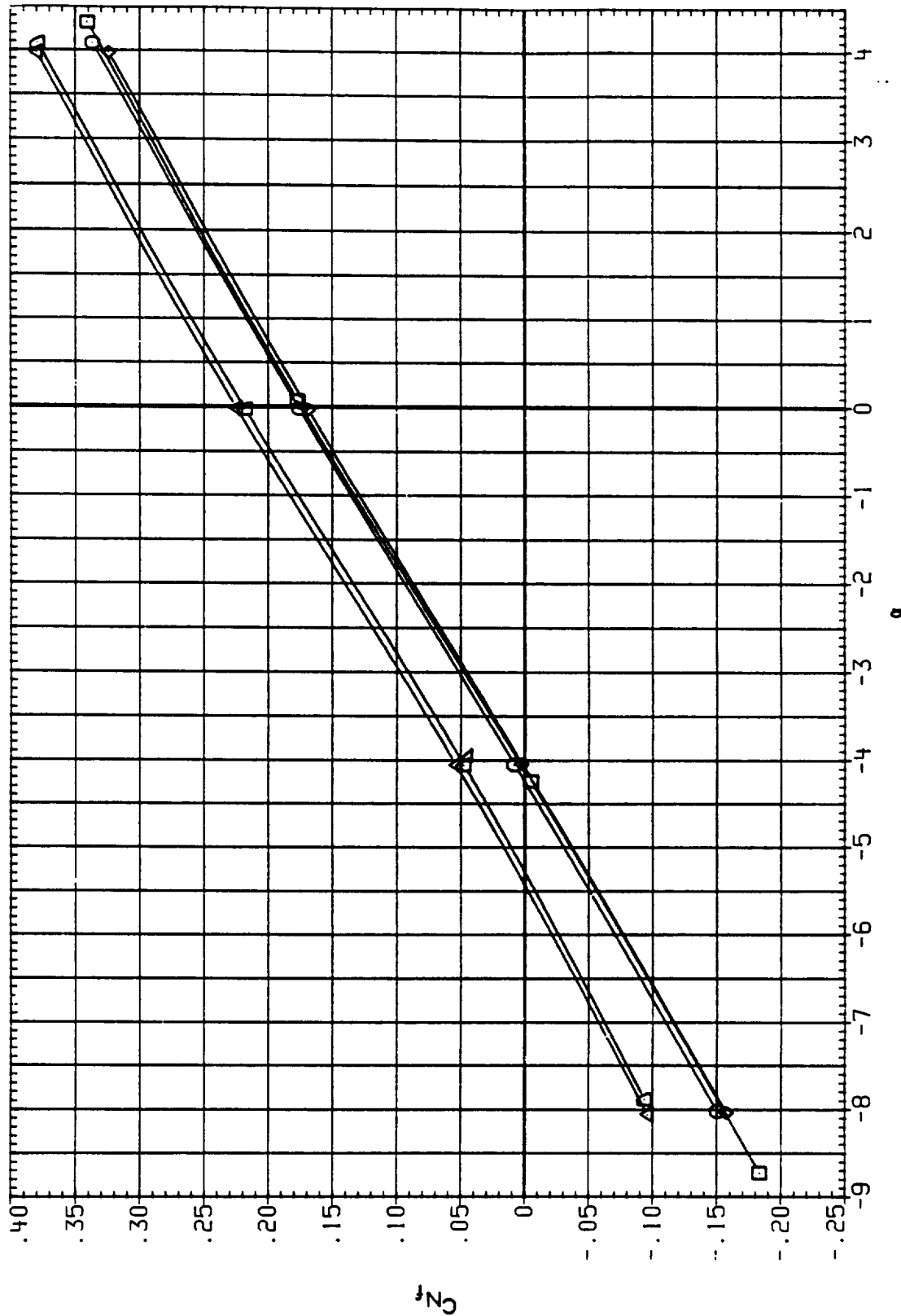


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

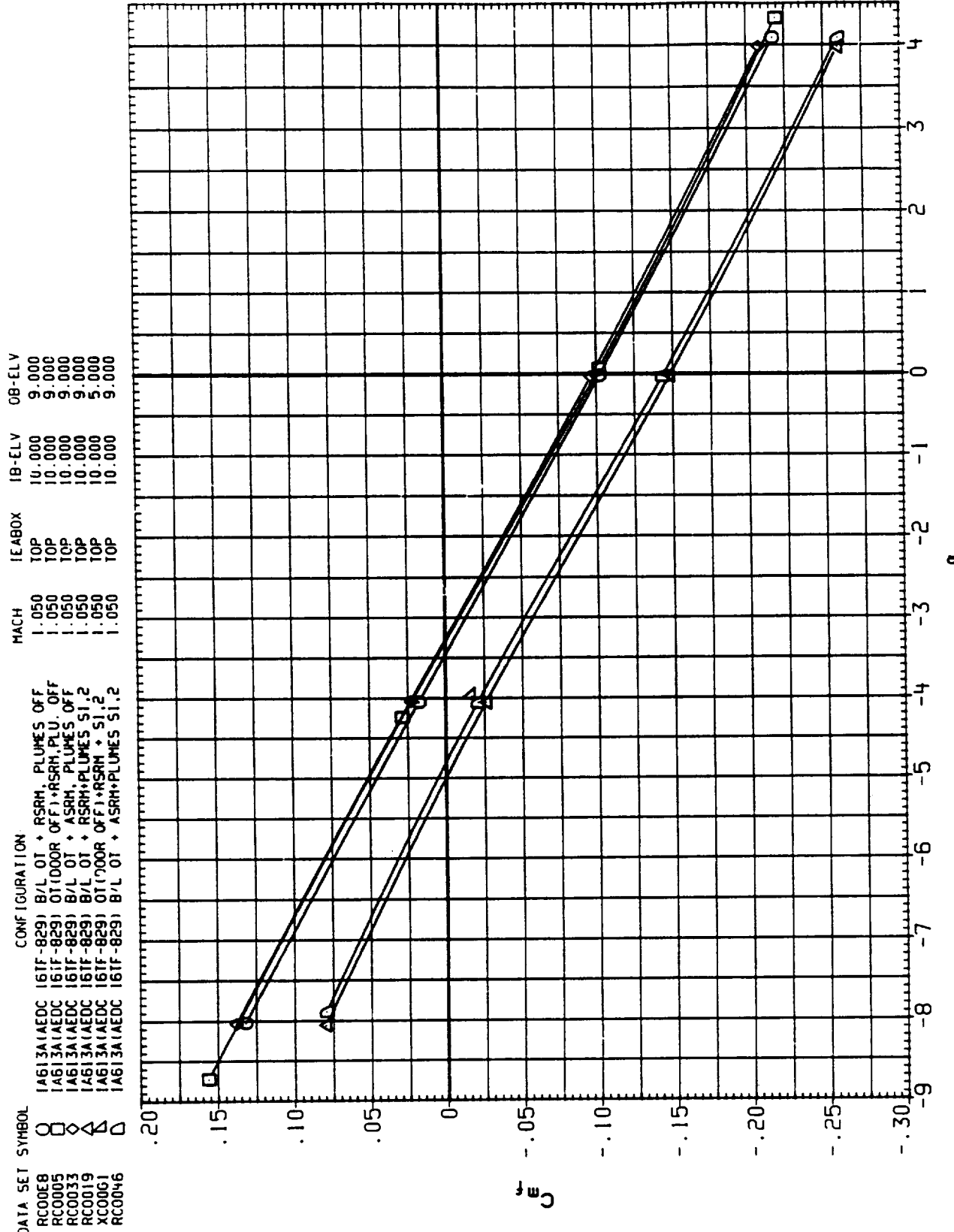


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00E9	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.050	TOP	10.000	9.000
RC0005	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM, PLU. OFF	1.050	TOP	10.000	9.000
RC0033	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.050	TOP	10.000	9.000
RC0019	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.050	TOP	10.000	9.000
XC00G1	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM + S1.2	1.050	TOP	10.000	5.000
RC0046	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.050	TOP	10.000	9.000

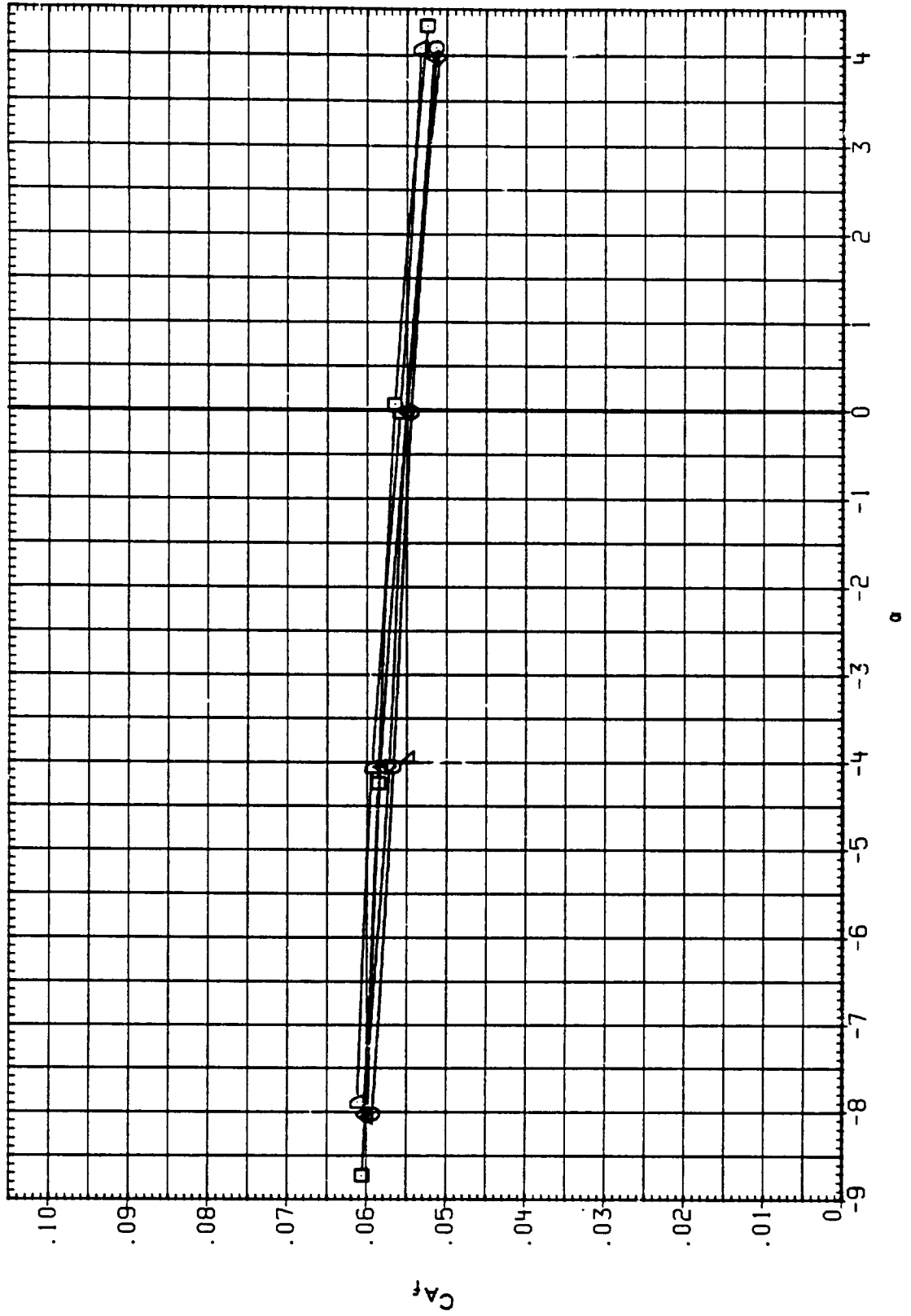


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IE4BOX	IB-ELV	CB-ELV
RC00E9	□	I A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.100	TOP	10.000	9.000
RC0006	□	I A613A1AEDC 161F-829) OT(000R OFF) + RSRM, PLU. OFF	1.100	TOP	10.000	9.000
RC0034	◇	I A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.100	TOP	10.000	9.000
RC0020	△	I A613A1AEDC 161F-829) B/L OT + RSRM + PLUMES S1.2	1.100	TOP	10.000	9.000
XC0062	△	I A613A1AEDC 161F-829) OT(000R OFF) + RSRM + S1.2	1.100	TOP	10.000	5.000
RC0047	◇	I A613A1AEDC 161F-829) B/L OT + ASRM + PLUMES S1.2	1.100	TOP	10.000	9.000

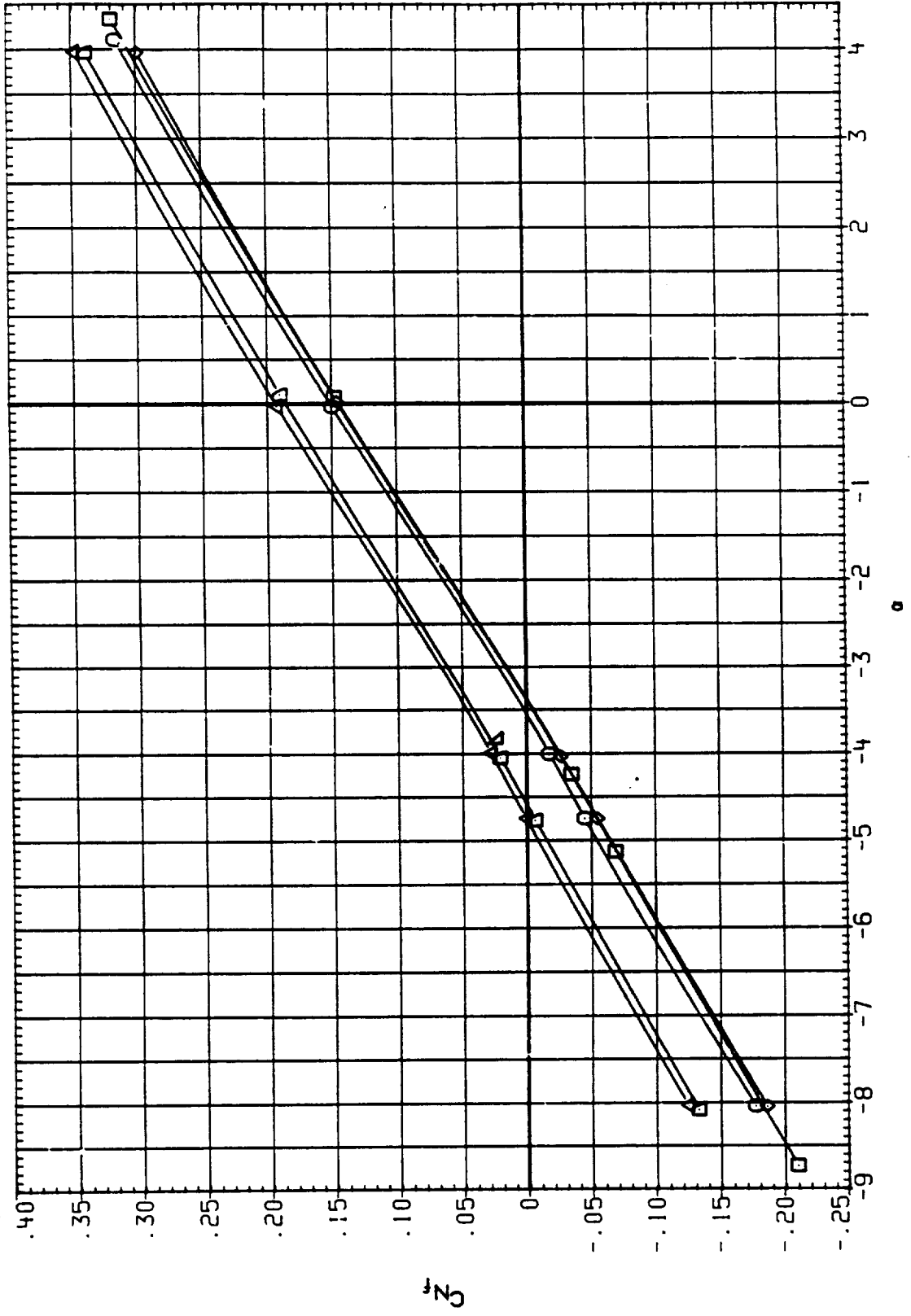


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
RC0009	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.100	TOP	10.000	9.000
RC0006	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM, PLU. OFF	1.100	TOP	10.000	9.000
RC0034	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.100	TOP	10.000	9.000
RC0020	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.100	TOP	10.000	9.000
XC0002	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM + S1.2	1.100	TOP	10.000	5.000
RC0047	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.100	TOP	10.000	9.000

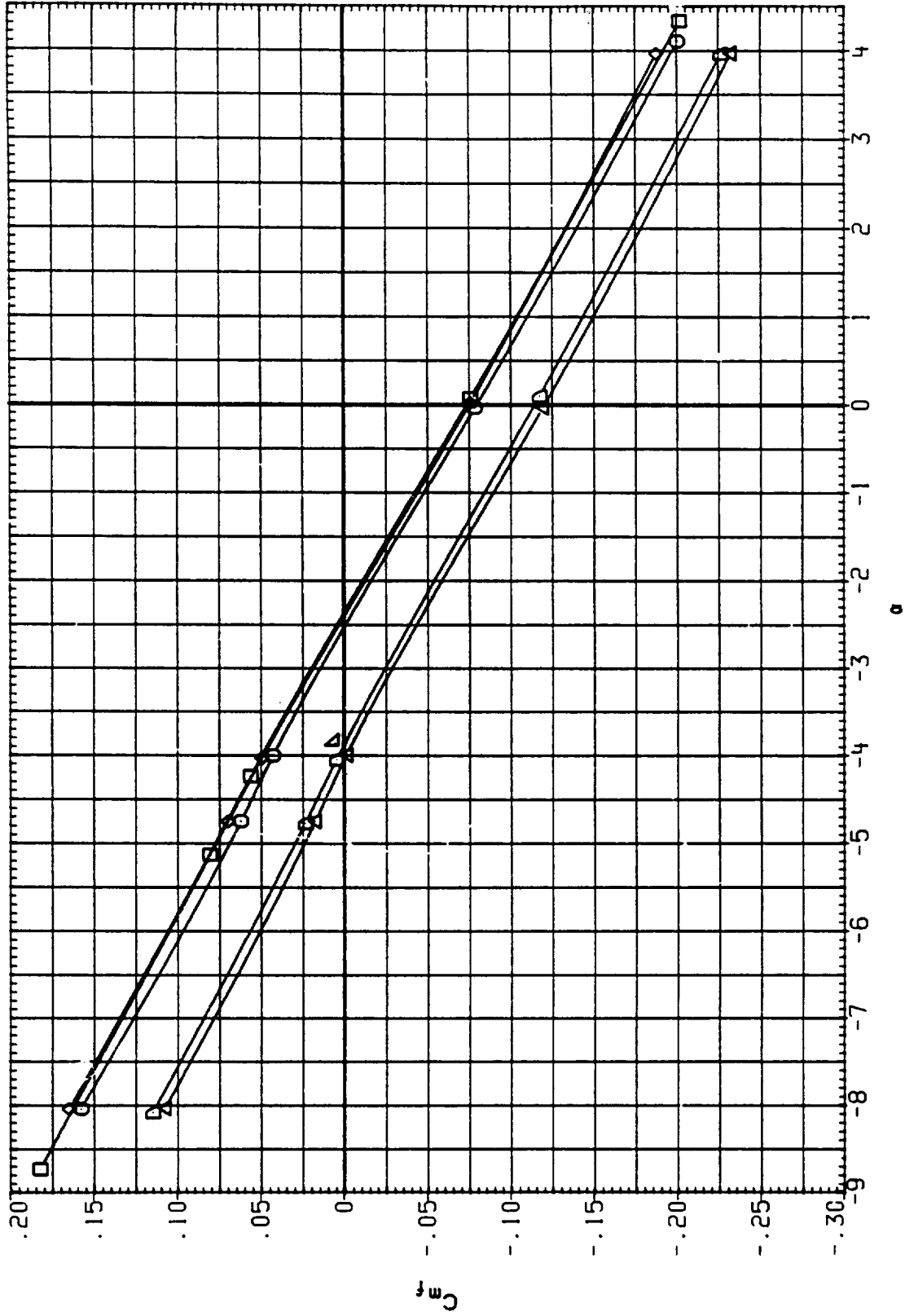


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

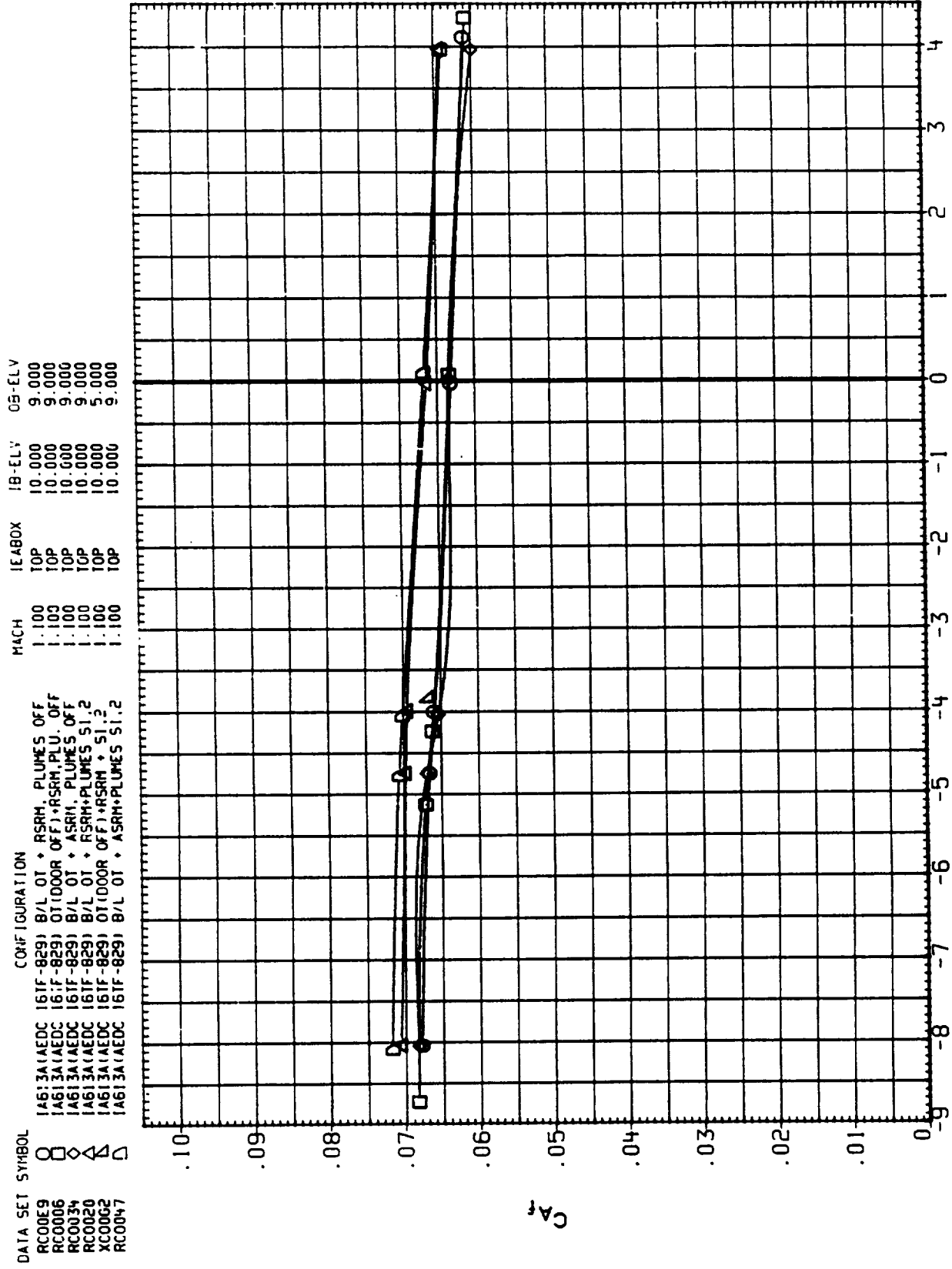


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

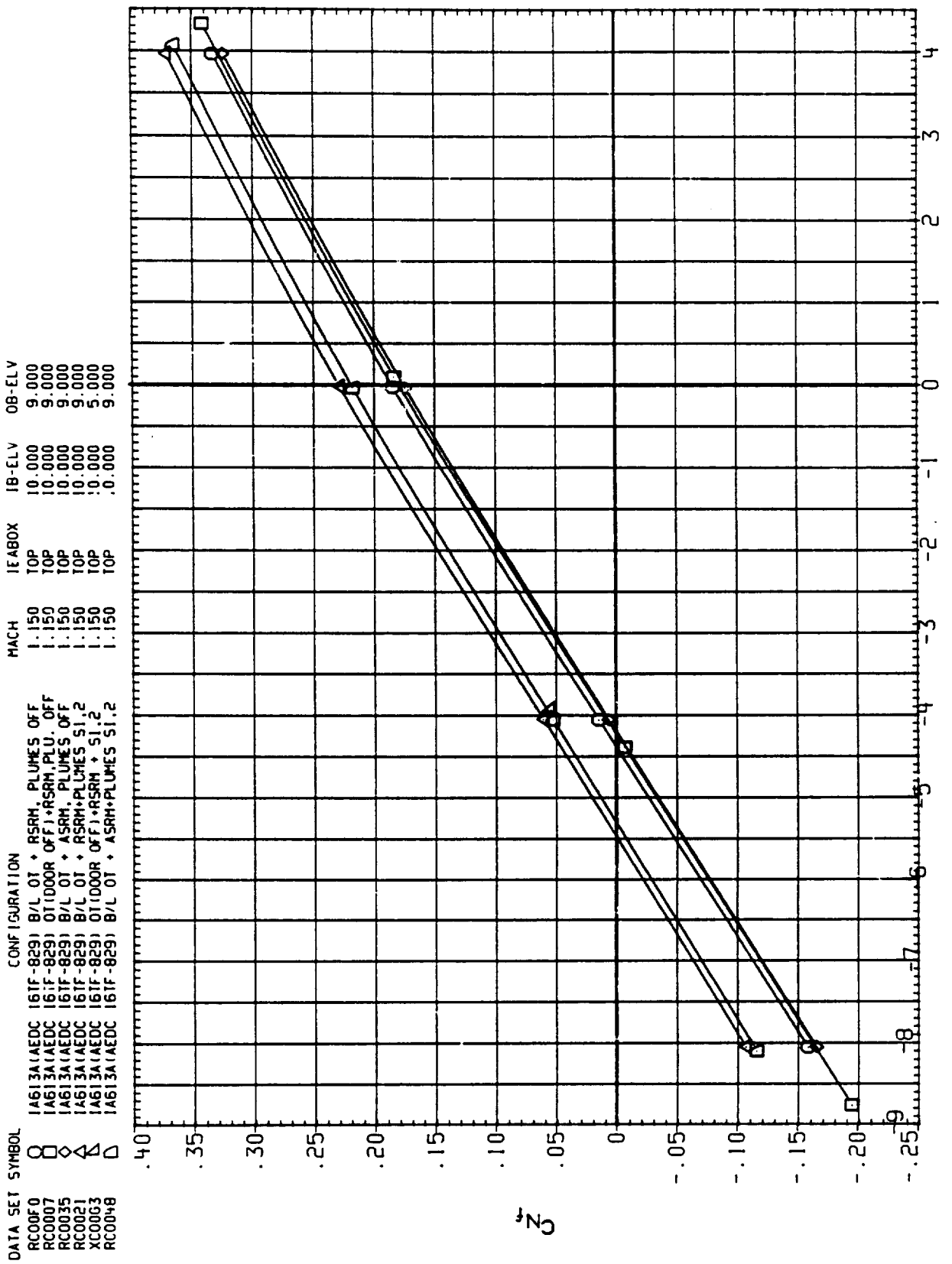


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-BCX	IB-ELV	CB-ELV
RC00F0	IAG13A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.150	TOP	10.000	9.000
RC0007	IAG13A1AEDC 16TF-829) OT(DOOR OF F1+RSRM, PLU. OFF	1.150	TOP	10.000	9.000
RC0035	IAG13A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.150	TOP	10.000	9.000
RC0021	IAG13A1AEDC 16TF-829) B/L OT + RSRM, PLUMES S1,2	1.150	TOP	10.000	5.000
XC00G3	IAG13A1AEDC 16TF-829) OT(DOOR OF F1+RSRM + S1,2	1.150	TOP	10.000	9.000
RC0048	IAG13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2	1.150	TOP	10.000	9.000

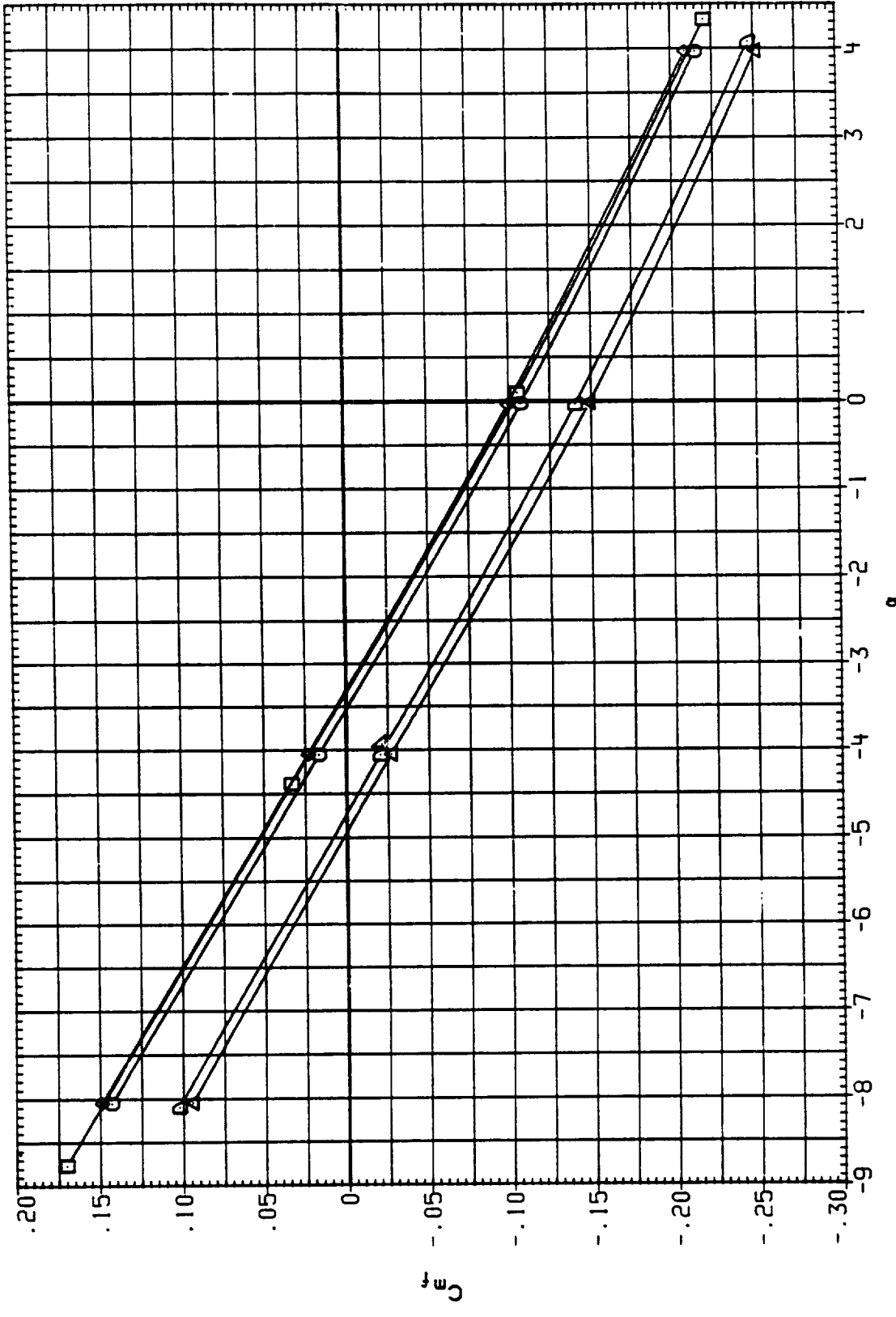


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	TEABOX	IB-ELV	OB-ELV
RC00F0	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.150	TOP	10.000	9.000
RC0007	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM, PLU. OFF	1.150	TOP	10.000	9.000
RC0035	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.150	TOP	10.000	9.000
RC0021	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.150	TOP	10.000	9.000
XC00G3	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM + S1.2	1.150	TOP	10.000	5.000
RC0048	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	9.000

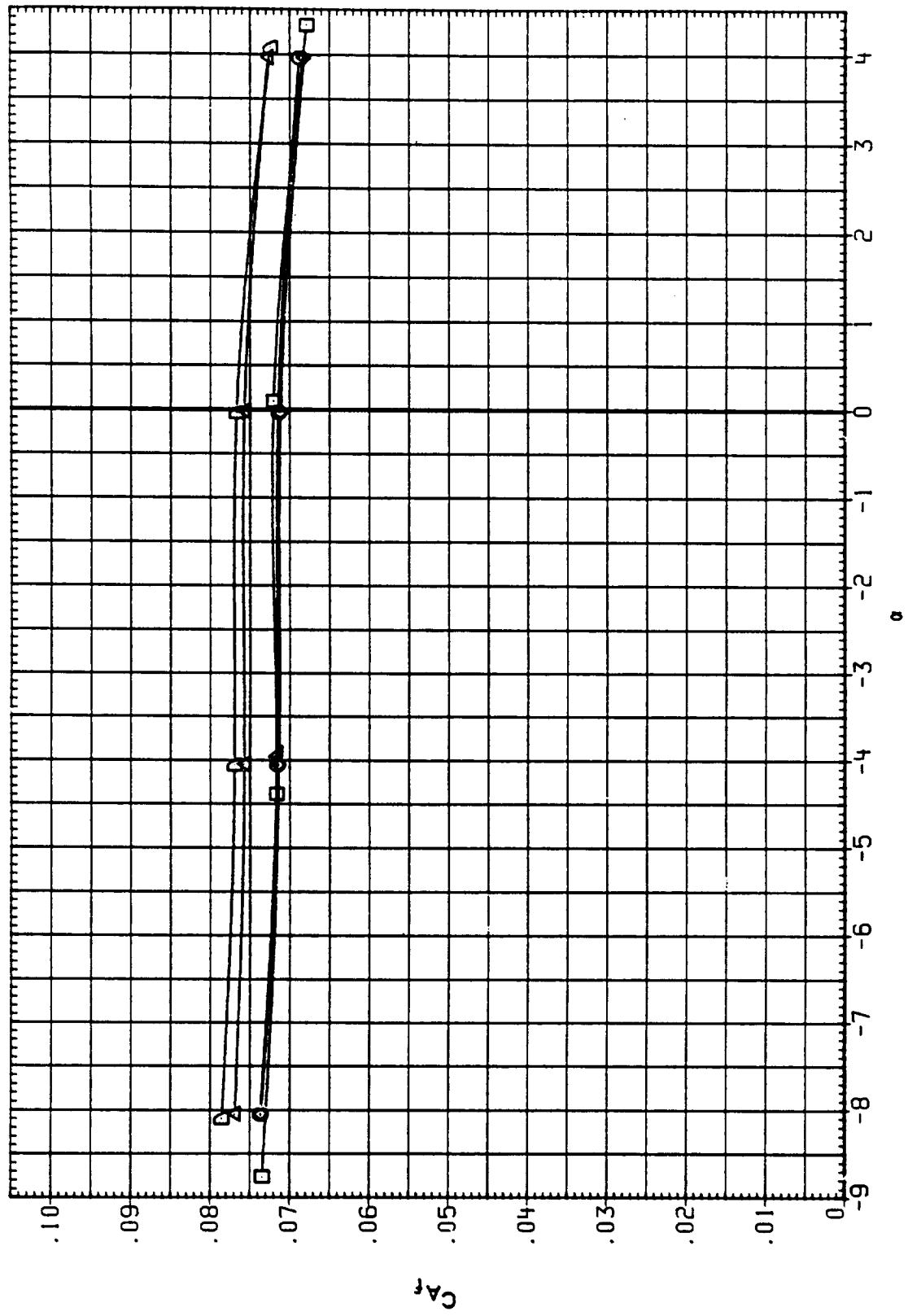


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00F1	□	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.250	TOP	10.000	9.000
RC0008	○	IA613A(AEDC 161F-829) OT(DOOR OFF) + RSRM, PLU. OFF	1.250	TOP	10.000	9.000
RC0036	◇	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	TOP	10.000	9.000
RC0022	△	IA613A(AEDC 161F-829) B/L OT + RSRM + PLUMES S1.2	1.250	TOP	10.000	5.000
RC0023	▽	IA613A(AEDC 161F-829) OT(DOOR OFF) + RSRM + S1.3	1.250	TOP	10.000	9.000
RC0049	◇	IA613A(AEDC 161F-829) B/L OT + ASRM + PLUMES S1.2	1.250	TOP	10.000	9.000

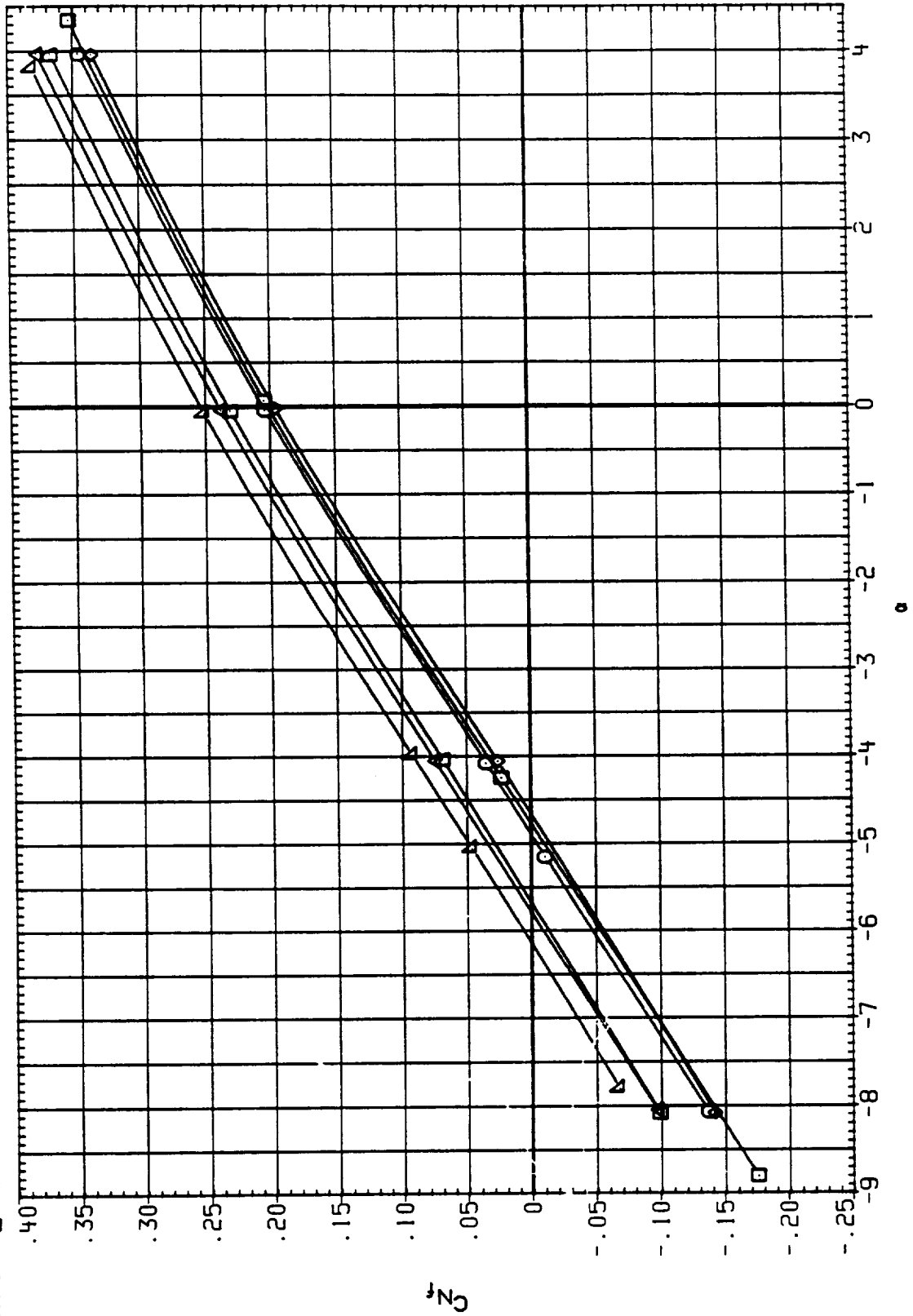


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE4BOX	IB-ELV	OB-ELV
RC0JF1	IAB13A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.250	TOP	10.000	9.000
RC0308	IAB13A1AEDC 161F-829) OT(1000R OFF)+RSRM, PLU. OFF	1.250	TOP	10.000	9.000
RC0036	IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	TOP	10.000	9.000
RCC022	IAB13A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.250	TOP	10.000	9.000
RC0023	IAB13A1AEDC 161F-829) OT(1000R OFF)+RSRM + S1.3	1.250	TOP	10.000	5.000
RC0049	IAB13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.250	TOP	10.000	9.000

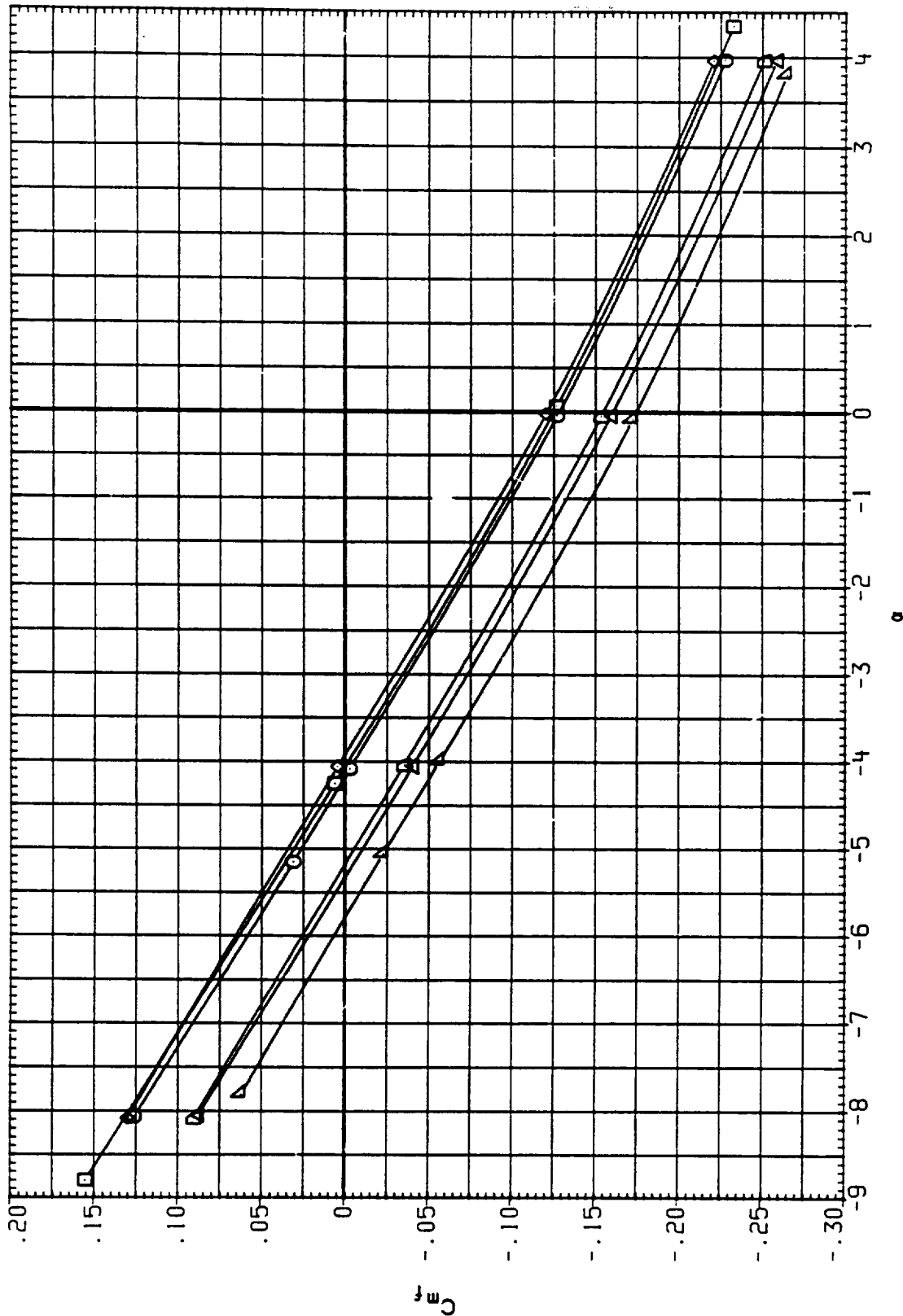


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00F1	IAG13A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.250	TOP	10.000	9.000
RC0008	IAG13A1AEDC 161F-829) OT1000R OFF)+RSRM, PLU. OFF	1.250	TOP	10.000	9.000
RC0036	IAG13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	TOP	10.000	9.000
RC0022	IAG13A1AEDC 161F-829) B/L OT + RSRM+PLUMES SI.2	1.250	TOP	10.000	9.000
RC0023	IAG13A1AEDC 161F-829) OT1000R OFF)+RSRM + SI.3	1.250	TOP	10.000	5.000
RC0049	IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES SI.2	1.250	TOP	10.000	9.000

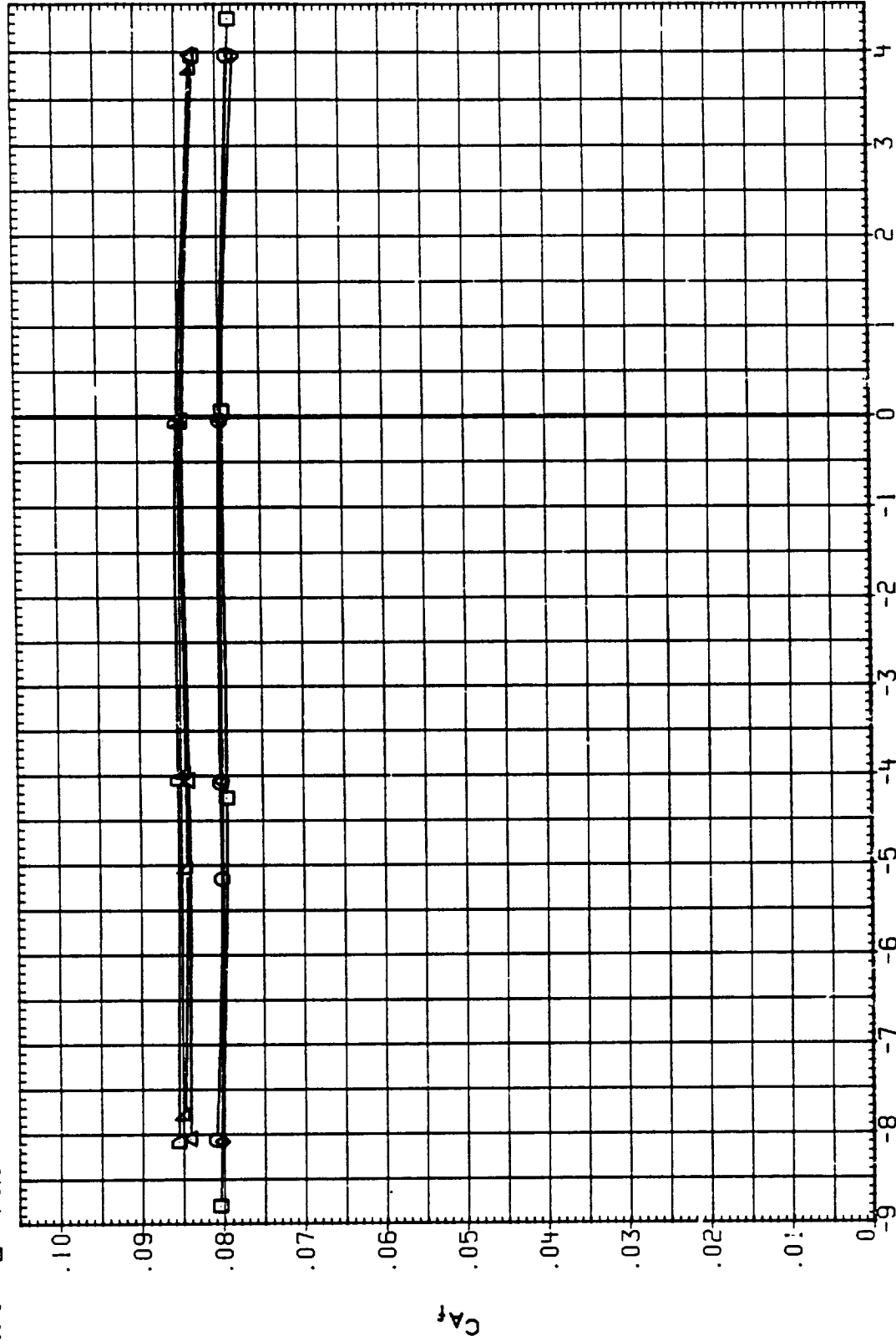


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IE-BOX	IB-ELV	OB-ELV
RC0010	□	IA613A(AEDC 161F-829) OT1000R OFF) + RSRM, PLU. OFF	1.300	TOP	10.000	5.000
RC0038	○	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.300	TOP	10.000	5.000
RC0046	◇	IA613A(AEDC 161F-829) B/L OT + RSRM + PLUMES S1.2	1.300	TOP	10.000	5.000
RC0024	△	IA613A(AEDC 161F-829) OT1000R OFF) + RSRM + S1.3	1.300	TOP	10.000	5.000
RC0054	▽	IA613A(AEDC 161F-829) B/L OT + ASRM + PLUMES S1.3	1.300	TOP	10.000	5.000

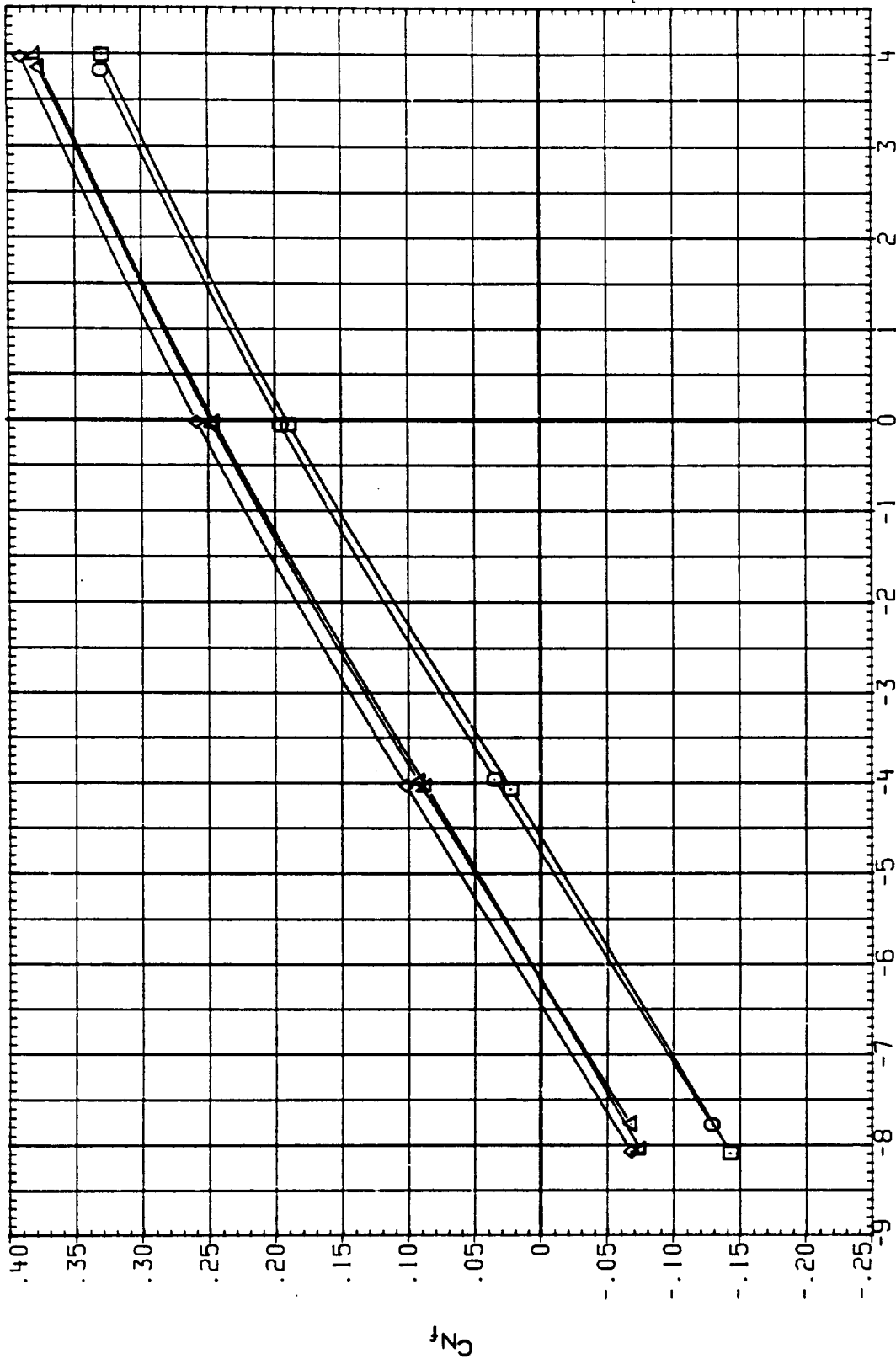


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-ABOX	IB-ELV	OB-ELV
RC0010	IAG13A1AEDC 161F-829) OT(DOOR OFF) +RSRM, PLU. OFF	1.300	TOP	10.000	5.000
RC0038	IAG13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.300	TOP	10.000	5.000
RC0036	IAG13A1AEDC 161F-829) B/L OT + ASRM, PLUMES SI.2	1.300	TOP	10.000	9.000
RC0024	IAG13A1AEDC 161F-829) OT(DOOR OFF) +RSRM + SI.3	1.300	TOP	10.000	5.000
RC0054	IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES SI.3	1.300	TOP	10.000	5.000

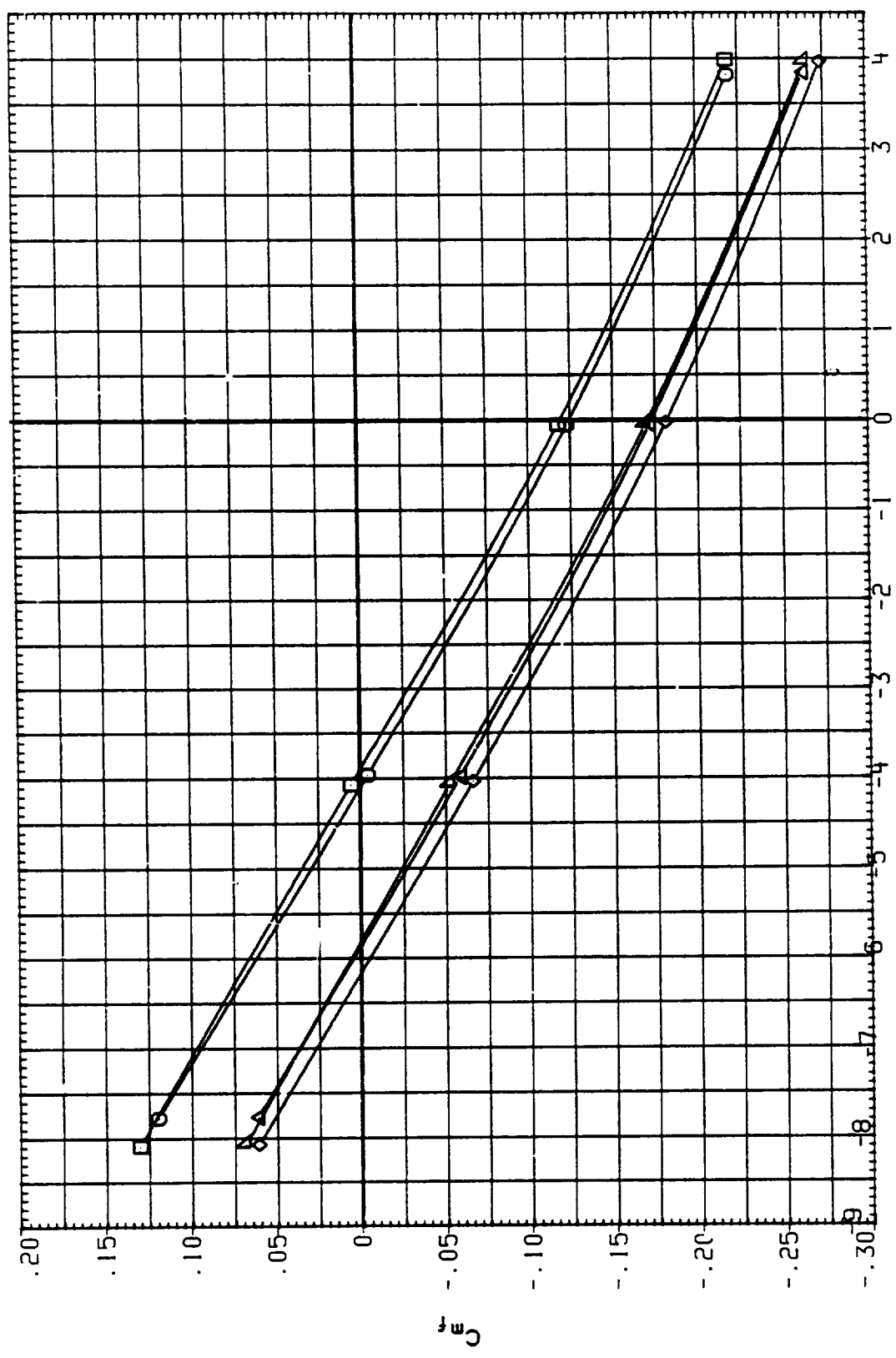


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	SCALE	HEIGHT
RC0010	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM,PLU. OFF	1:300	5:000
RC0038	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1:300	5:000
RC0046	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1:300	5:000
RC0024	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM + S1.3	1:300	5:000
RC0034	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1:300	5:000

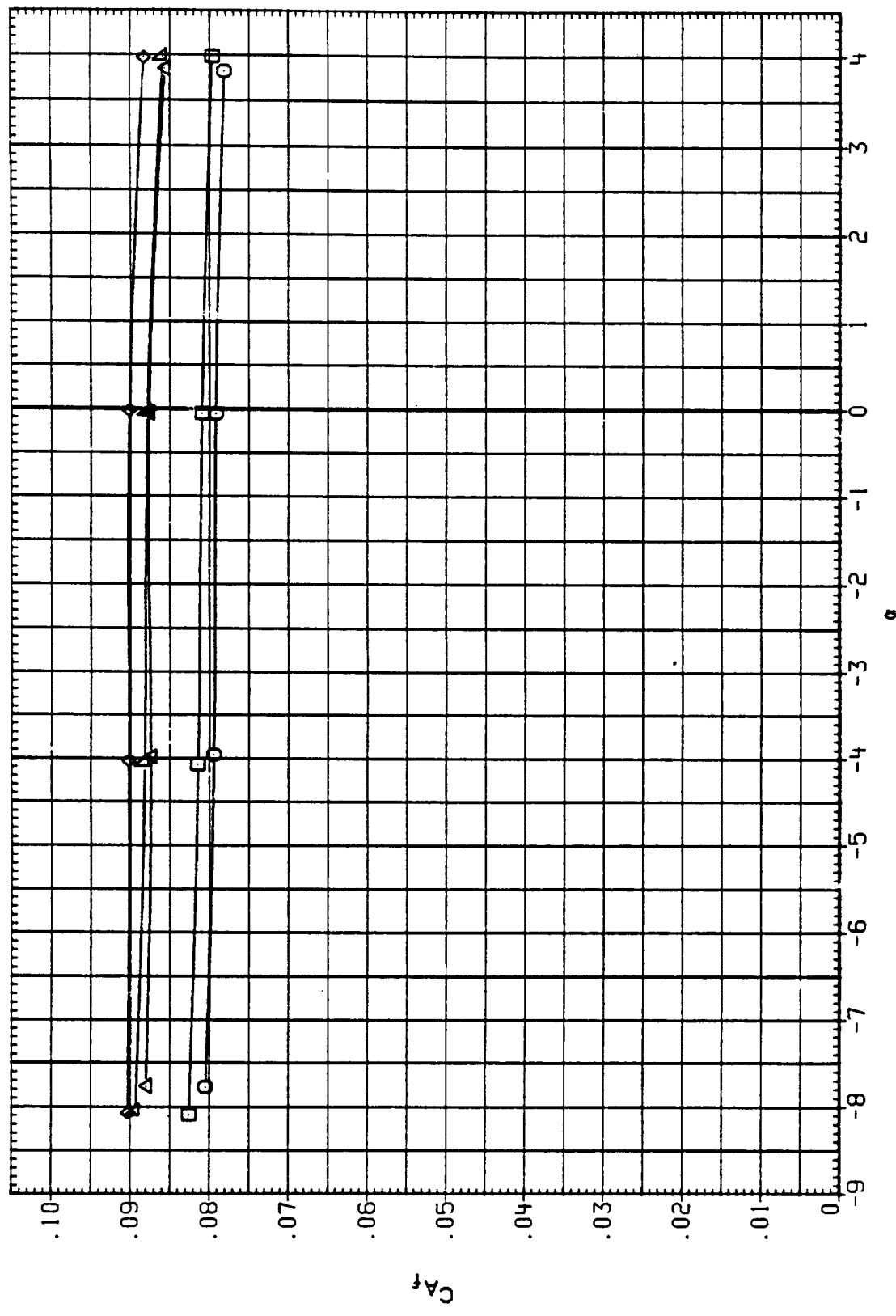


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
RC00F2	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.350	TOP	10.000	9.000
RC0011	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM, PLU. OFF	1.350	TOP	10.000	5.000
RC0039	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.350	TOP	10.000	5.000
RC00H7	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.350	TOP	10.000	9.000
RC0025	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM + S1.3	1.350	TOP	10.000	5.000
RC0055	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.350	TOP	10.000	5.000

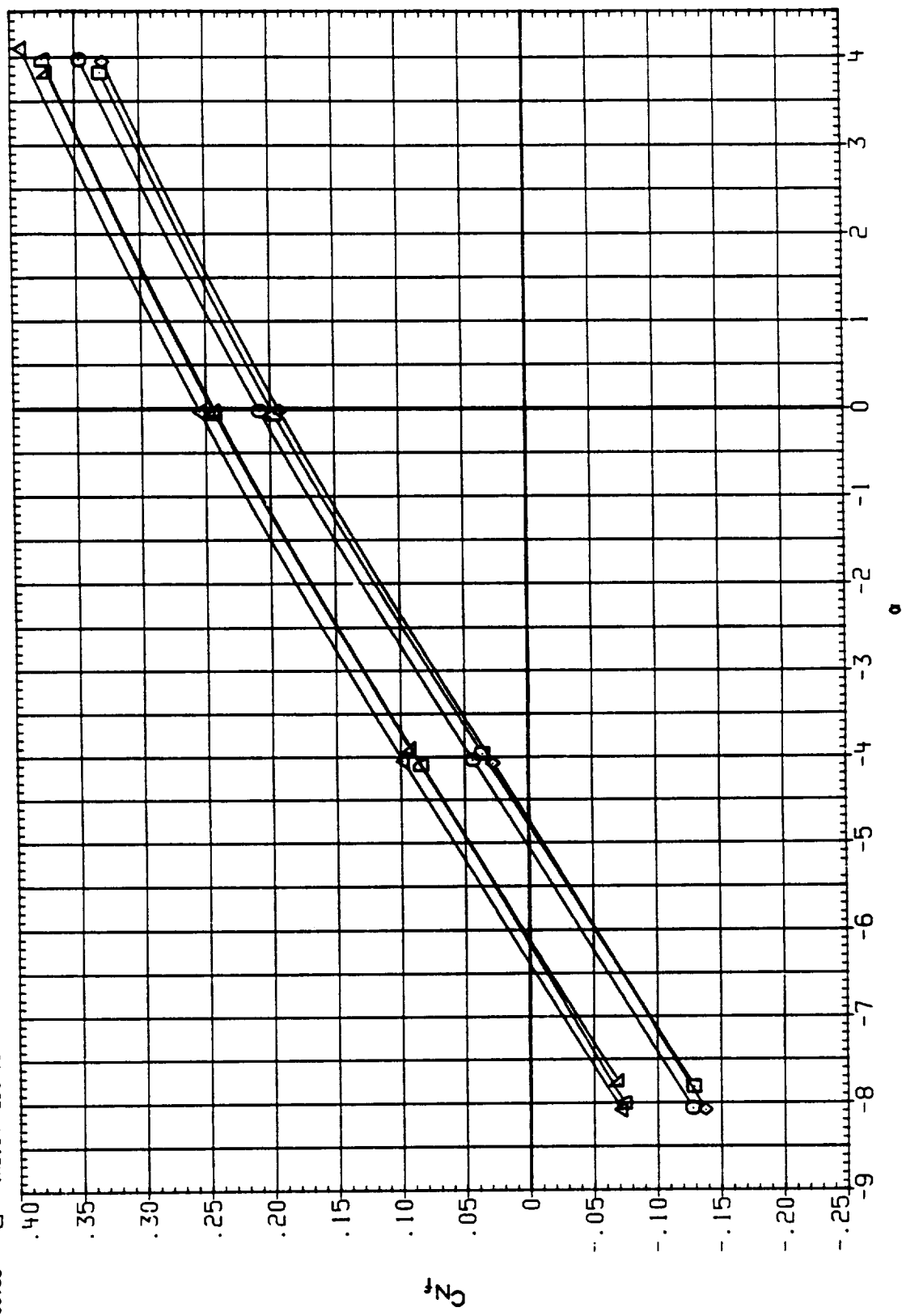


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	HEADBOX	15-ELY	25-ELY
RC00F2	I A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.350	TOP	10.000	9.000
RC00I1	I A613A1AEDC 161F-829) OT(DOOR OFF) + RSRM, PLU. OFF	1.350	TOP	10.000	5.000
RC0039	I A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.350	TOP	10.000	5.000
RC00H7	I A613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.350	TOP	10.000	9.000
RC0025	I A613A1AEDC 161F-829) OT(DOOR OFF) + RSRM + S1.3	1.350	TOP	10.000	5.000
RC0055	I A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.350	TOP	10.000	5.000

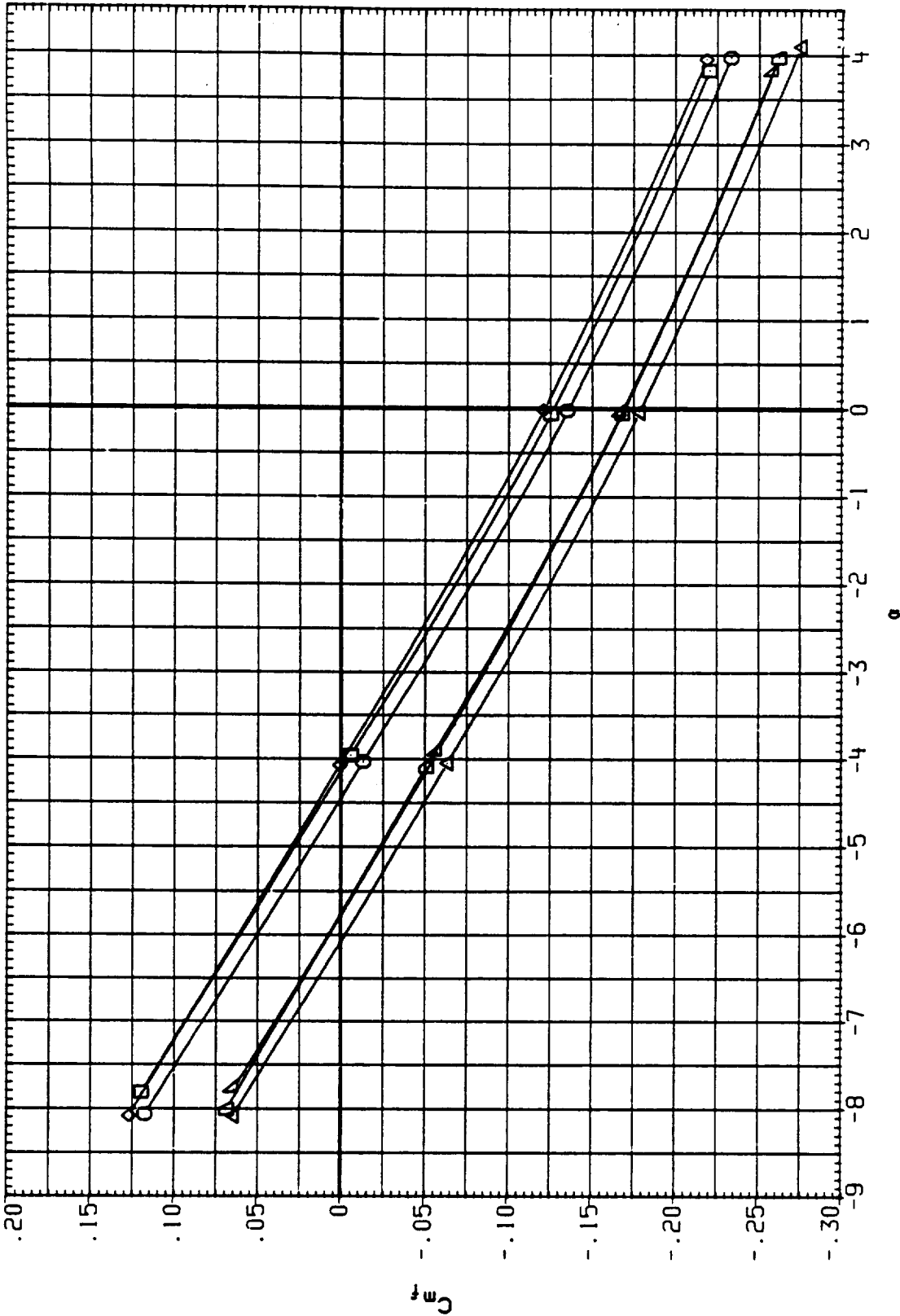


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00F2	I A613A1AEDC 161F-829) B/L 01 + RSRH, PLUMES OFF	1.350	TOP	10.000	9.000
RC0011	I A613A1AEDC 161F-829) 01(DOOR OFF)+RSRH, PLU. OFF	1.350	TOP	10.000	5.000
RC0039	I A613A1AEDC 161F-829) B/L 01 + ASRH, PLUMES OFF	1.350	TOP	10.000	5.000
RC00H7	I A613A1AEDC 161F-829) B/L 01 + RSRH, PLUMES S1.2	1.350	TOP	10.000	9.000
RC0325	I A613A1AEDC 161F-829) 01(DOOR OFF)+RSRH + S1.2	1.350	TOP	10.000	5.000
RC0055	I A613A1AEDC 161F-829) B/L 01 + ASRH+PLUMES S1.3	1.350	TOP	10.000	5.000

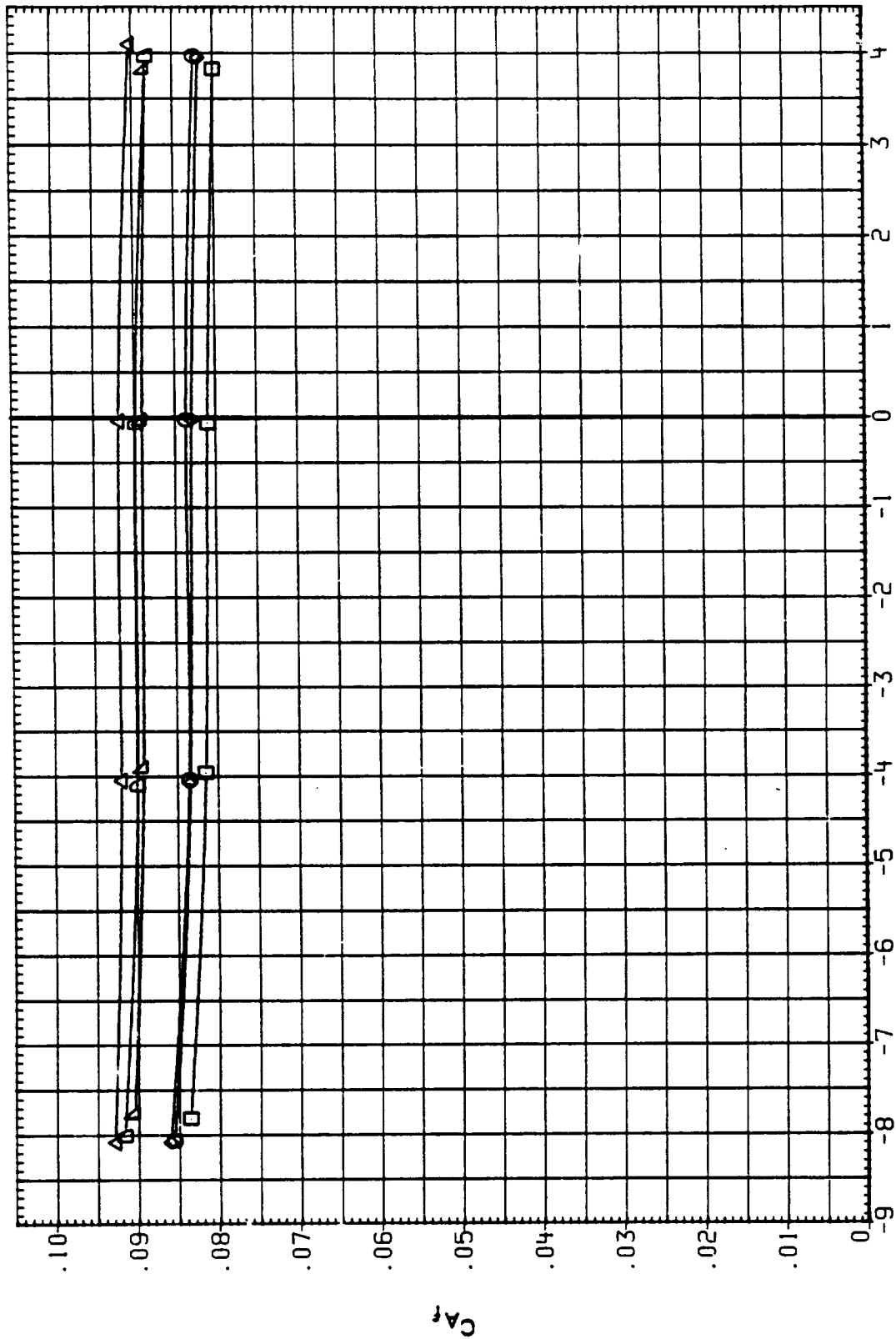


FIG. 1 EFFECT OF ASRH AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LE-BOX	LE-ELY	CS-ELY
RC00F3	I A613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.400	TOP	10.000	9.000
RC00I2	I A613A(AEDC 161F-829) OT1000R OFF + RSRM, PLU. OFF	1.400	TOP	10.000	5.000
RC00H0	I A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.400	TOP	10.000	5.000
RC00H8	I A613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.400	TOP	10.000	9.000
XC00E6	I A613A(AEDC 161F-829) OT1000R OFF + RSRM + S1.3	1.400	TOP	10.000	5.000
RC00S6	I A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	TOP	10.000	5.000

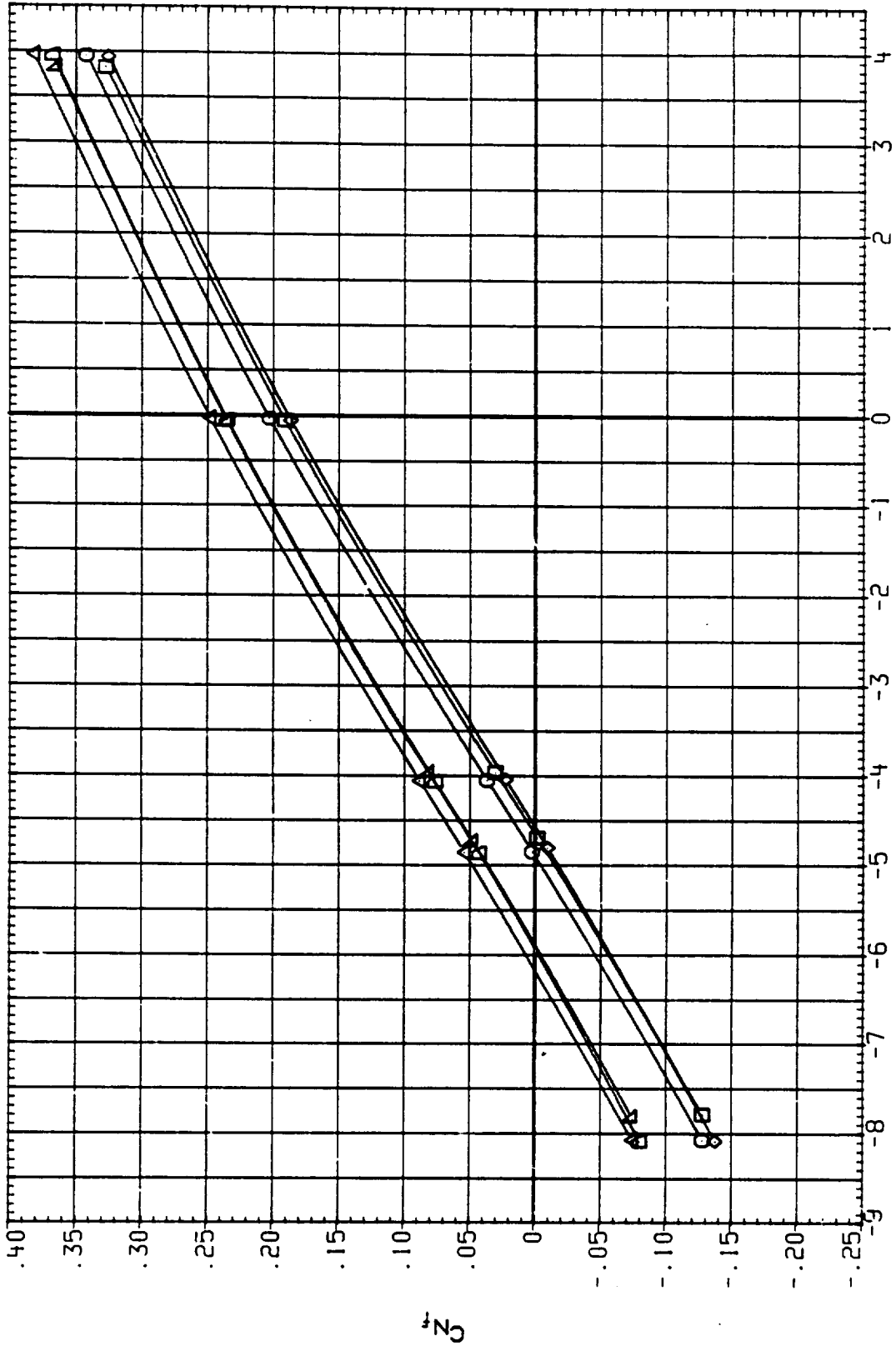


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00F3	IAB13AIAEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.400	TOP	10.000	9.000
RC0012	IAB13AIAEDC 161F-829) OT1000R OFF)+RSRM, PLU. OFF	1.400	TOP	10.000	5.000
RC0040	IAB13AIAEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.400	TOP	10.000	5.000
RC00H8	IAB13AIAEDC 161F-829) B/L OT + RSRM+PLUMES SI.2	1.400	TOP	10.000	9.000
XC0026	IAB13AIAEDC 161F-829) OT1000R OFF)+RSRM + SI.3	1.400	TOP	10.000	5.000
RC0056	IAB13AIAEDC 161F-829) B/L OT + ASRM+PLUMES SI.3	1.400	TOP	10.000	5.000

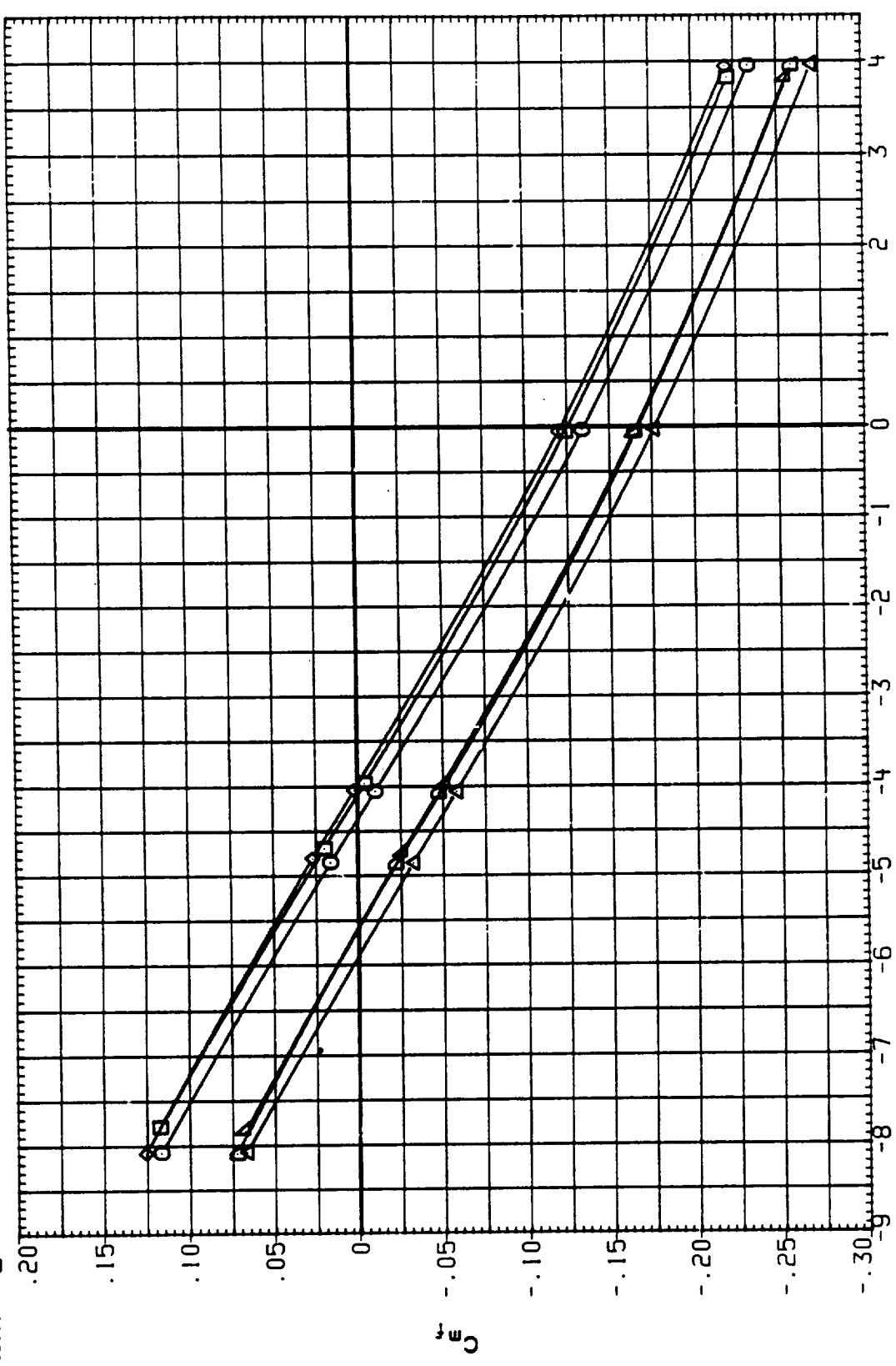
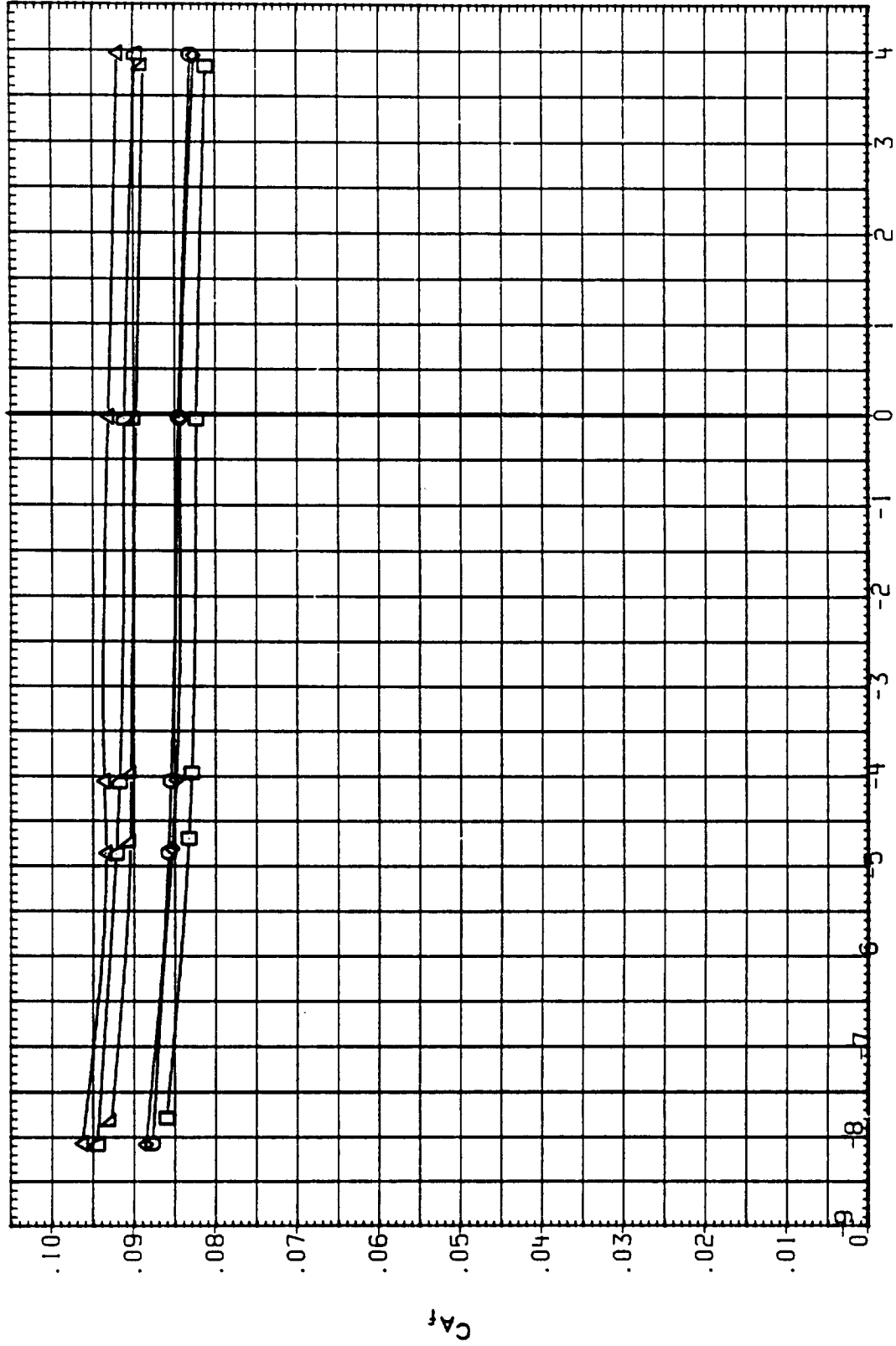


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IE-BOX	IB-ELV	CB-ELV
RC00F3	○	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.400	TOP	10.000	9.000
RC00I2	□	IA613A(AEDC 161F-829) OT(100R OFF)+RSRM, PLU. OFF	1.400	TOP	10.000	5.000
RC00H0	△	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.400	TOP	10.000	5.000
RC00H8	◇	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.400	TOP	10.000	9.000
XC0026	○	IA613A(AEDC 161F-829) OT(100R OFF)+RSRM + S1.3	1.400	TOP	10.000	5.000
RC0056	□	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	TOP	10.000	5.000



α

FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00F4	1A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.550	TOP	10.000	9.000
RC0014	1A613A1AEDC 161F-829) OT(000R OFF)+RSRM, PLU. OFF	1.550	TOP	10.000	-5.000
RC0041	1A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.550	TOP	10.000	5.000
RC00H9	1A613A1AEDC 161F-829) B/L OT + RSRM+PLUMES SI.2	1.550	TOP	10.000	9.000
RC0028	1A613A1AEDC 161F-829) OT(000R OFF)+RSRM + SI.3	1.550	TOP	10.000	-5.000
RC0057	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES SI.3	1.550	TOP	10.000	5.000

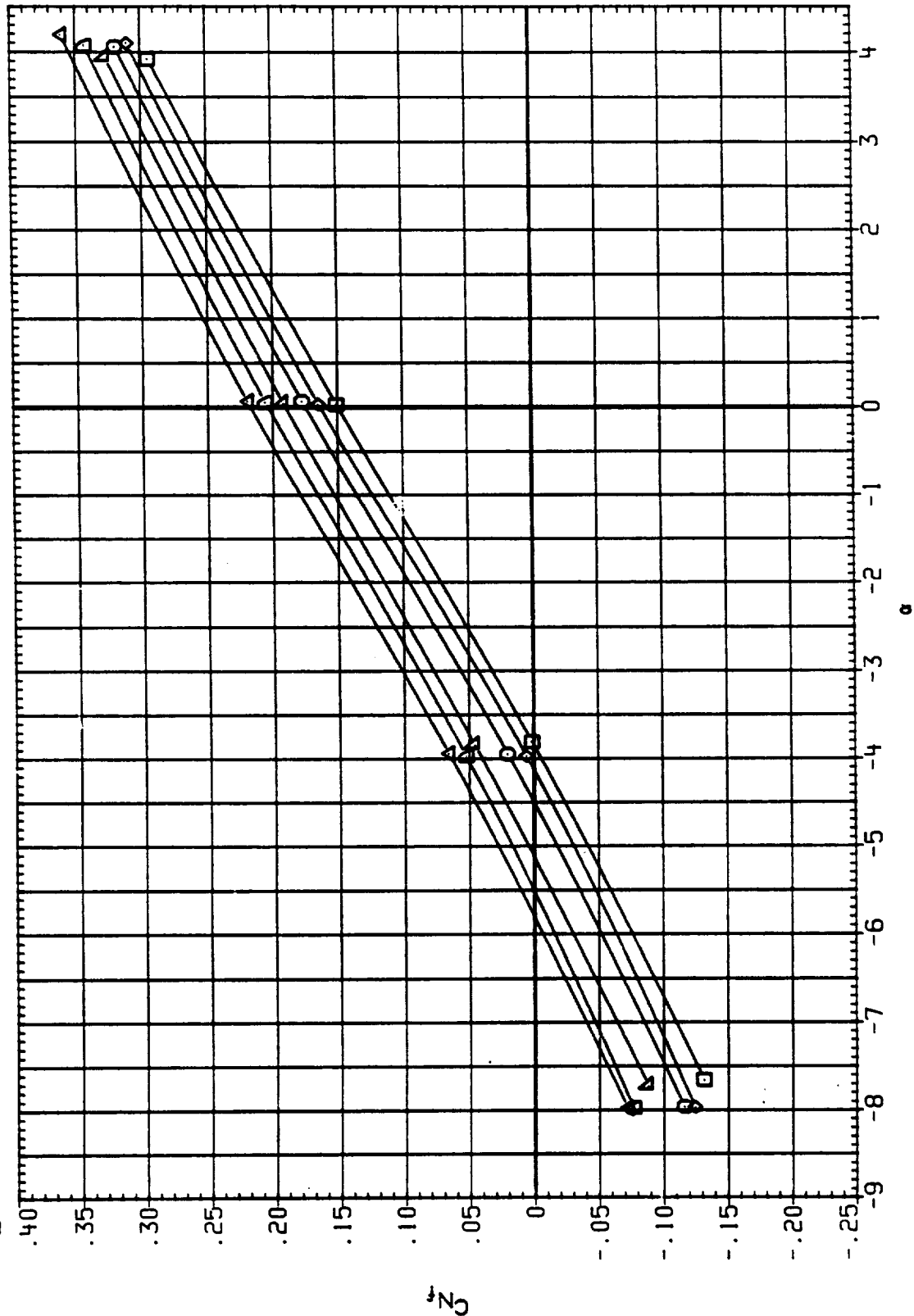


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00F4	IAG13A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.550	TOP	10.000	9.000
RC00I4	IAG13A1AEDC 16TF-829) OT(DDOOR OFF)+RSRM, PLU. OFF	1.550	TOP	10.000	-5.000
RC00H1	IAG13A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.550	TOP	10.000	5.000
RC00H9	IAG13A1AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2	1.550	TOP	10.000	9.000
RC00Z8	IAG13A1AEDC 16TF-829) OT(DDOOR OFF)+RSRM + S1.3	1.550	TOP	10.000	-5.000
RC00S7	IAG13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.550	TOP	10.000	5.000

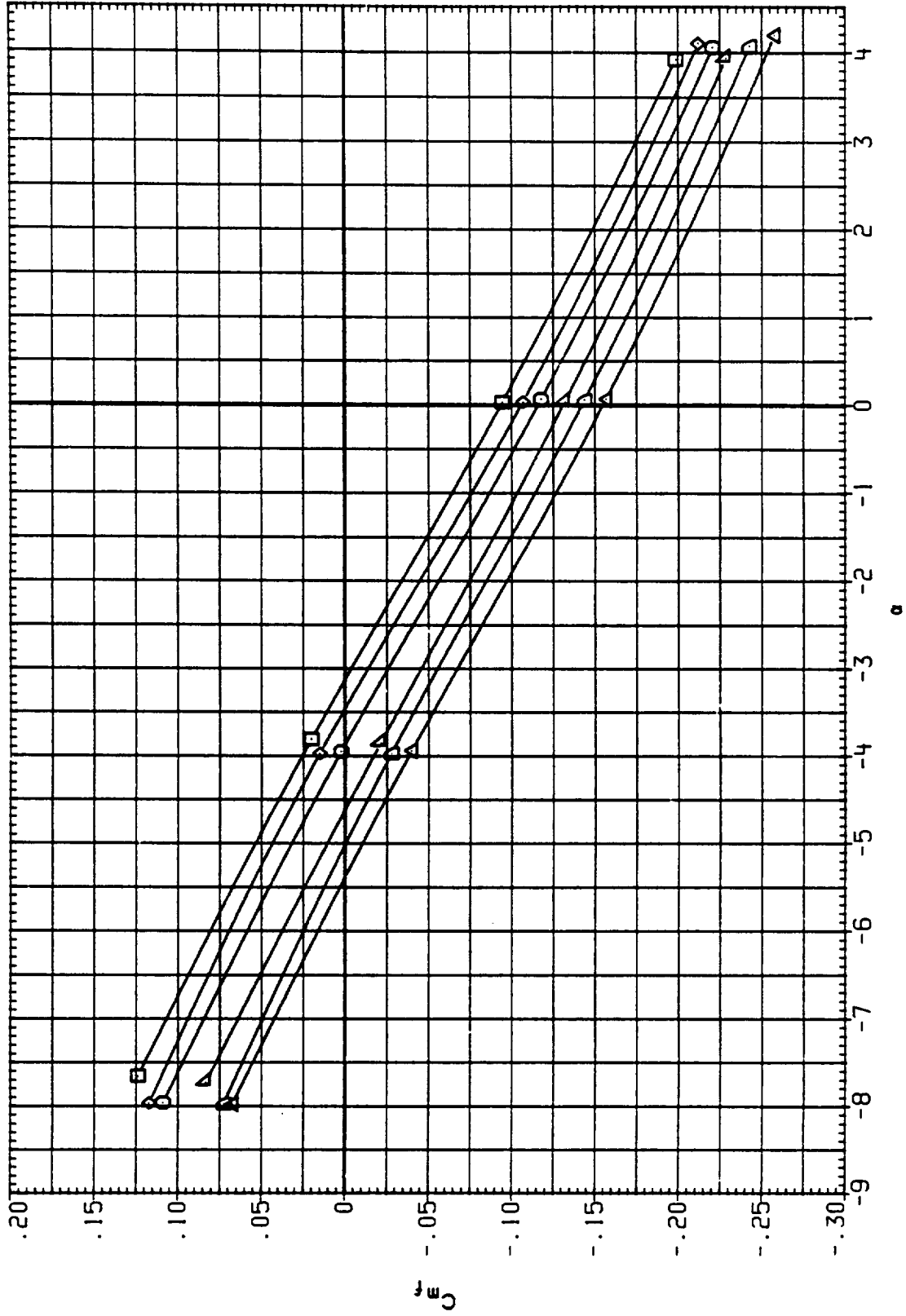


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	HEIGHT	WIND
RC00F4	IAG13A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.550	TOP	10.000
RC0014	IAG13A(AEDC 161F-829) OT(000R OFF)+RSRM, PLU. OFF	1.550	TOP	10.000
RC0041	IAG13A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.550	TOP	10.000
RC0049	IAG13A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1,2	1.550	TOP	10.000
RC0028	IAG13A(AEDC 161F-829) OT(000R OFF)+RSRM + S1,3	1.550	TOP	10.000
RC0057	IAG13A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1,3	1.550	TOP	10.000

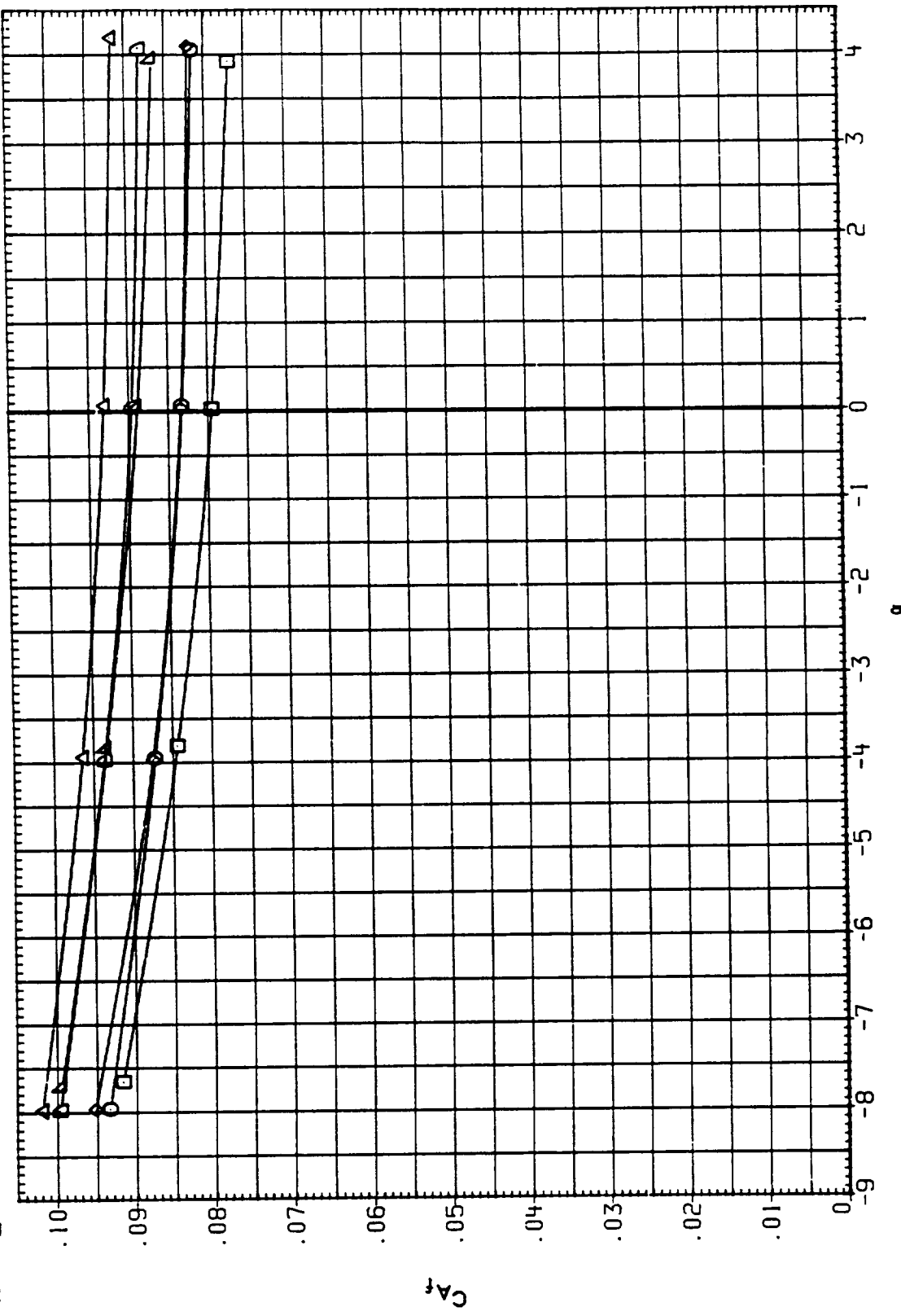


FIG. 1 EFFECT OF ASRM AND PLUMES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	HEIGHT	REASGX	REASLY	REASLX	REASLY
SC00E4	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.600	TOP	TOP	10.000	10.000	9.000
SC0001	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM, PLU. OFF	.600	TOP	TOP	10.000	10.000	9.000
SC0029	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	TOP	TOP	10.000	10.000	9.000
SC0015	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1,2	.600	TOP	TOP	10.000	10.000	9.000
YC00F7	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM + S1,2	.600	TOP	TOP	10.000	10.000	9.000
SC00W2	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1,2	.600	TOP	TOP	10.000	10.000	9.000

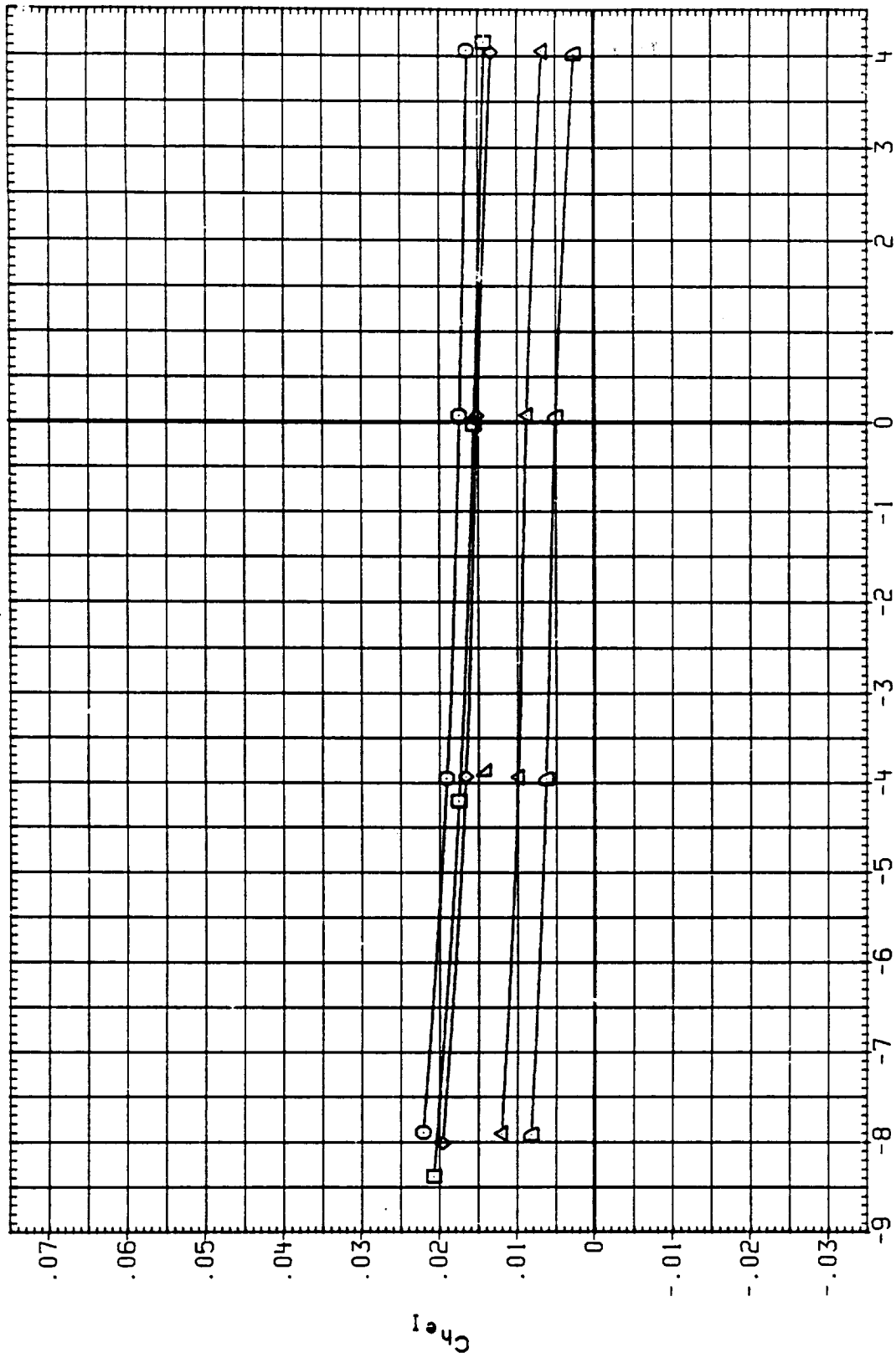


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	LE45L1	LE45L2
SC00E4	1A613A(AEDC 161F-829) B/L OT * RSRM, PLUMES OFF	.600	TOP	9.000
SC0001	1A613A(AEDC 161F-829) OT(100R OFF)*RSRM, PLU. OFF	.600	TOP	9.000
SC0029	1A613A(AEDC 161F-829) B/L OT * ASRM, PLUMES OFF	.600	TOP	9.000
SC0015	1A613A(AEDC 161F-829) B/L OT * RSRM, PLUMES S1,2	.600	TOP	9.000
YC00F7	1A613A(AEDC 161F-829) OT(100R OFF)*RSRM * S1,2	.600	TOP	5.000
SC0042	1A613A(AEDC 161F-829) B/L OT * ASRM+PLUMES S1,2	.600	TOP	9.000

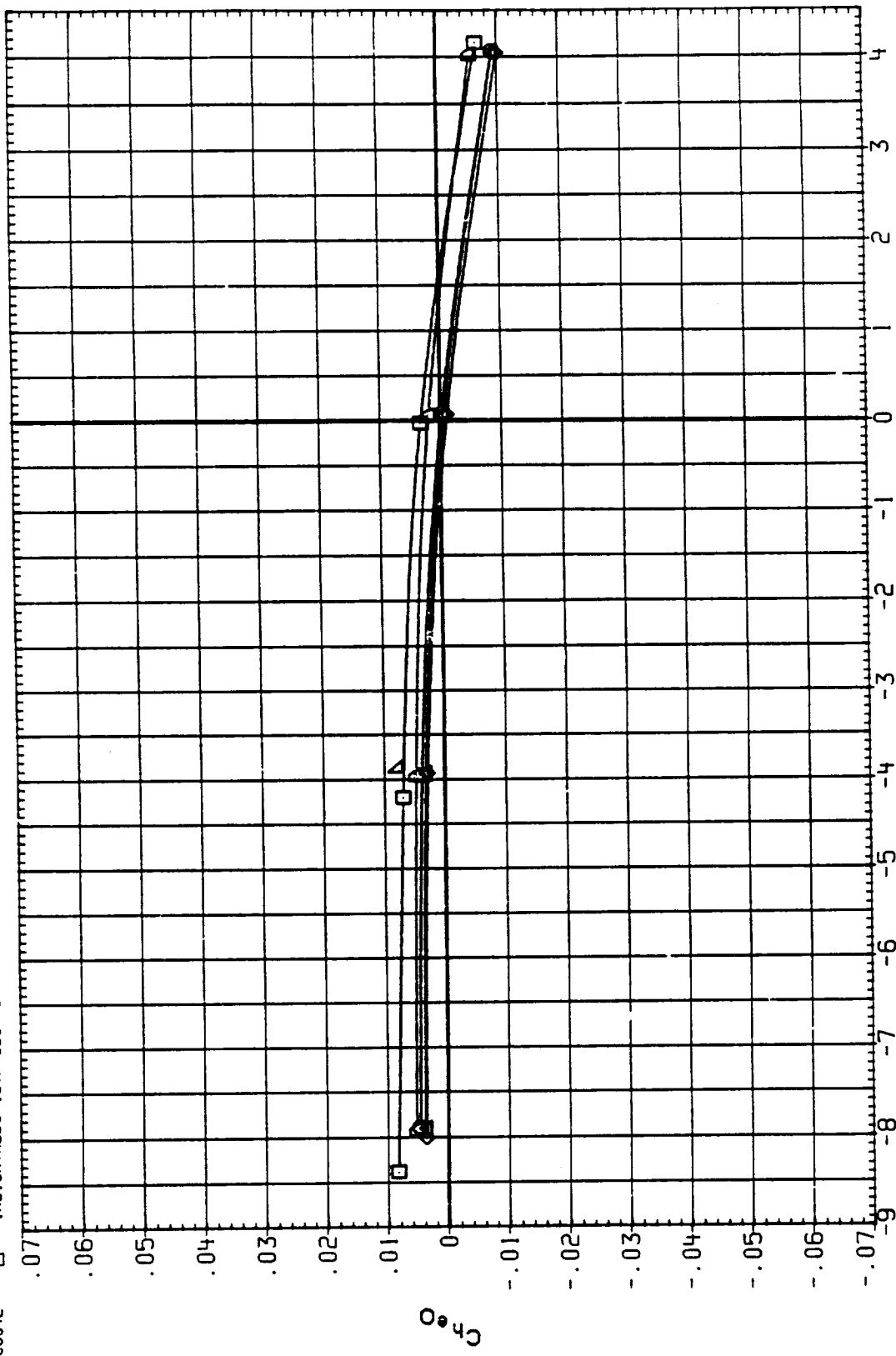


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL
 SC00E4
 SC0001
 SC0029
 SC0015
 YC00F7
 SC0042

CONFIGURATION
 IAG13A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF
 IAG13A1AEDC 16TF-829) OT1000R OFF J+RSRM, PLU. OFF
 IAG13A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
 IAG13A1AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2
 IAG13A1AEDC 16TF-829) OT1000R OFF J+RSRM + S1.2
 IAG13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

MACH
 .600
 .600
 .600
 .600
 .600
 .600

ICASEX
 TOP
 TOP
 TOP
 TOP
 TOP
 TOP

IS-EL
 10.000
 10.000
 10.000
 10.000
 10.000
 10.000

SE-EL
 9.000
 9.000
 9.000
 9.000
 5.000
 9.000

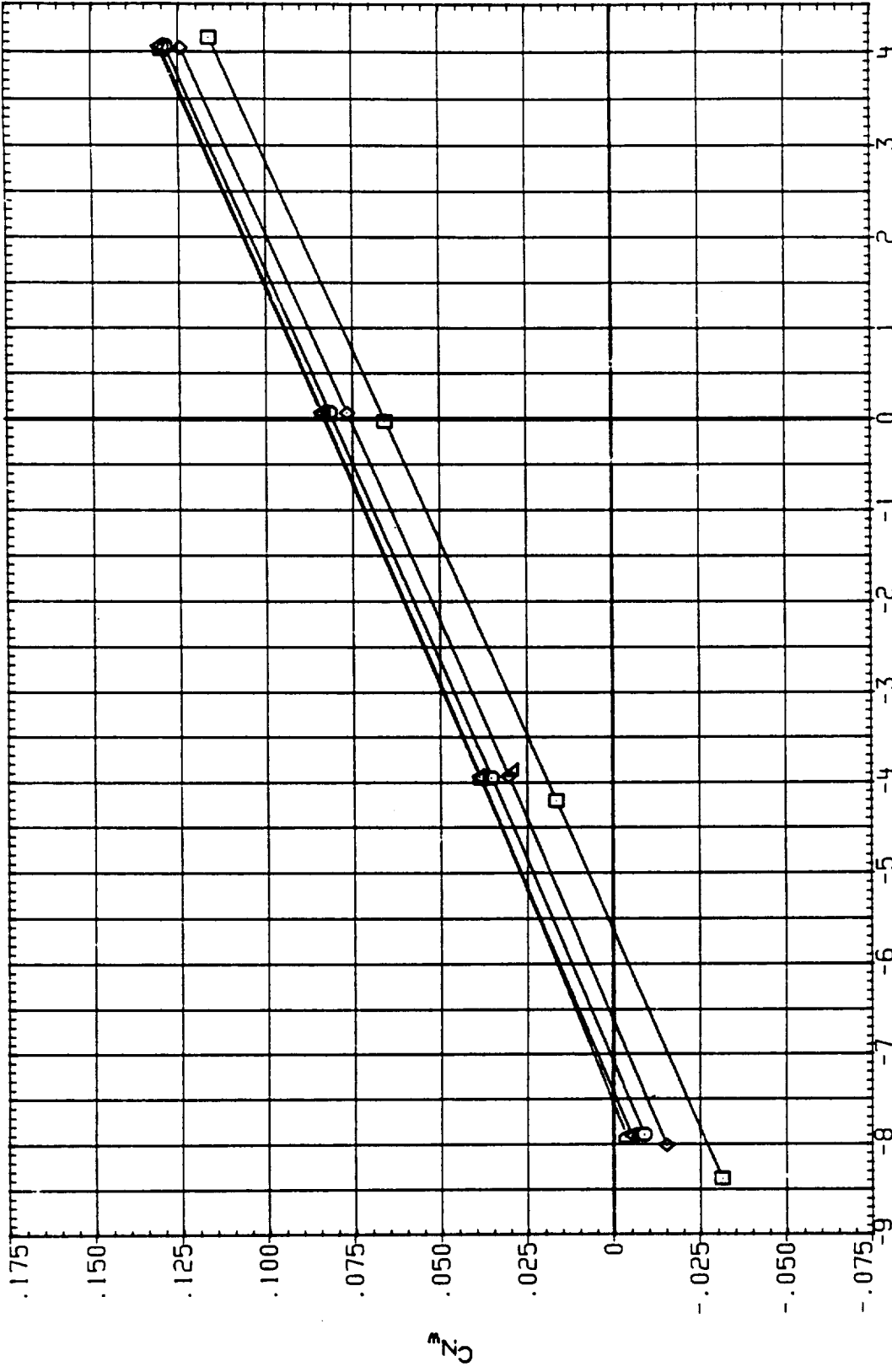


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

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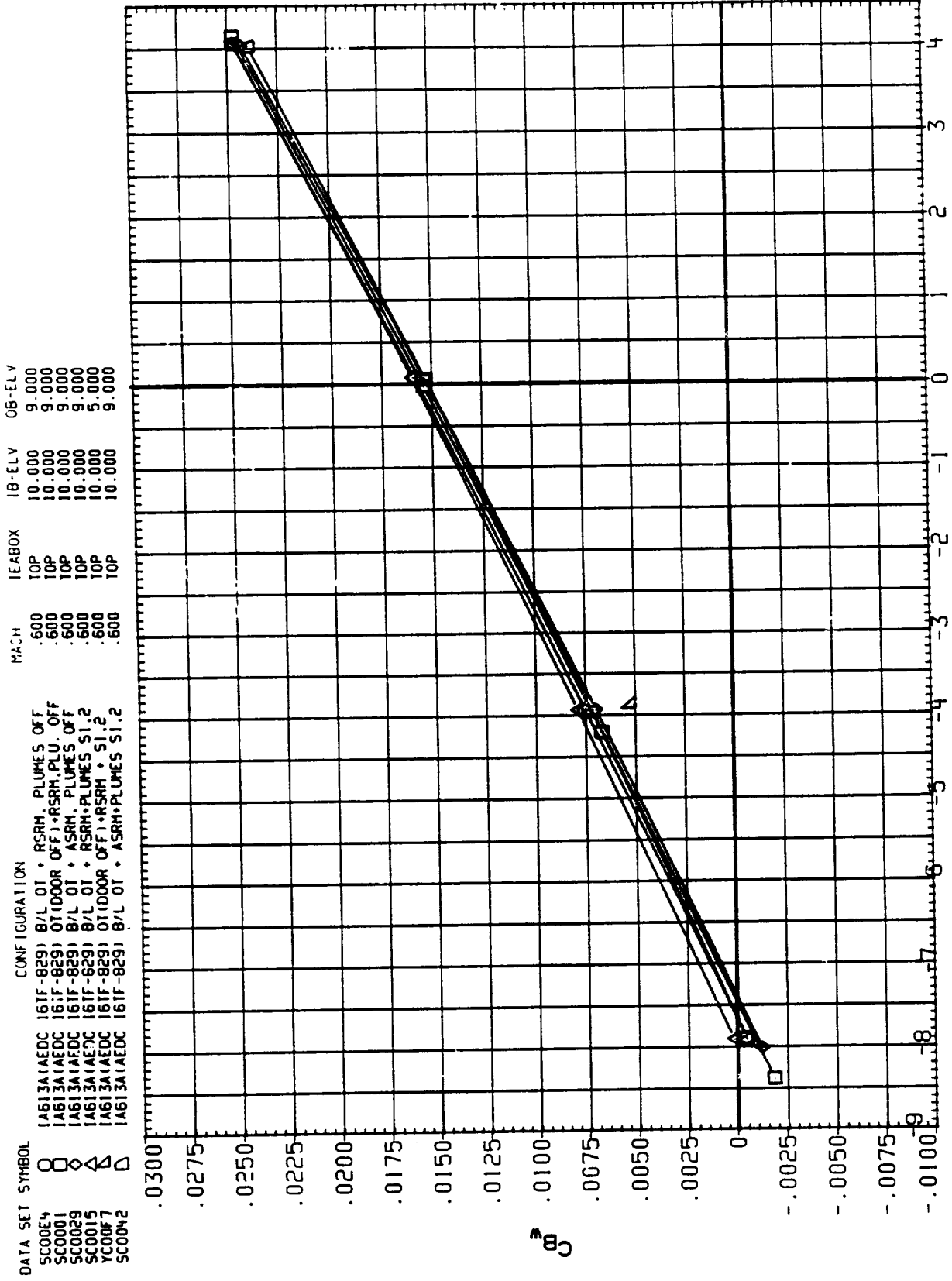


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	HEIGHT	TYPE	WIND SPEED
SC00E4	I A613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.600	TOP	10.000
SC0001	I A613A(AEDC 161F-829) OT(1000R OFF)+RSRM, PLU. OFF	.600	TOP	9.000
SC0029	I A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	TOP	9.000
SC0015	I A613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	.600	TOP	9.000
YC00F7	I A613A(AEDC 161F-829) OT(1000R OFF)+RSRM + S1.2	.600	TOP	5.000
SC00H2	I A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	TOP	9.000

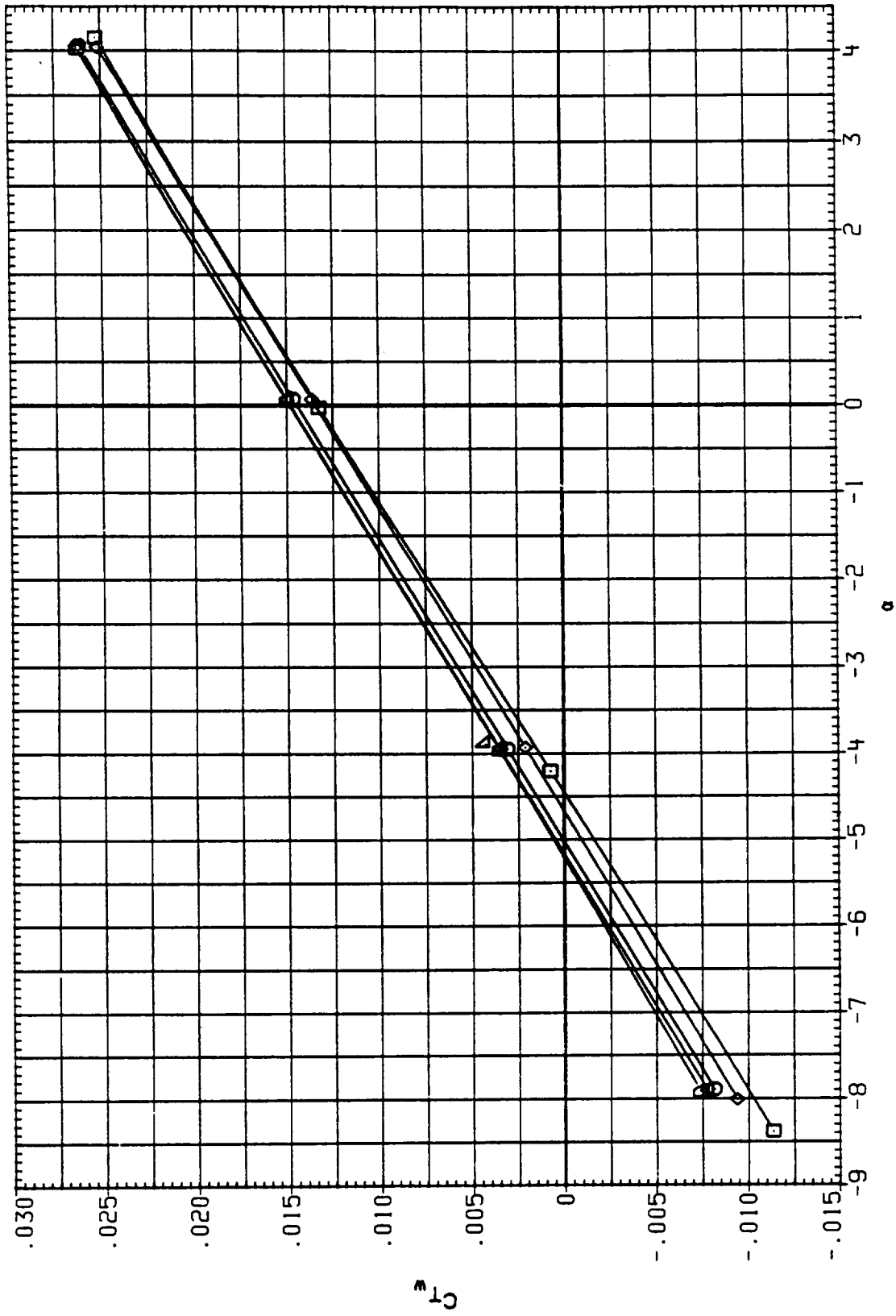


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	REARVIEW	LEVEL	HEIGHT
SC00E5	○	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.800	TOP	10.000	9.000
SC00E2	◇	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM, PLU. OFF	.800	TOP	10.000	9.000
SC0030	△	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	TOP	10.000	9.000
SC0016	△	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	.800	TOP	10.000	5.000
YC00F8	△	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM + S1.2	.800	TOP	10.000	9.000
SC00M3	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.800	TOP	10.000	9.000

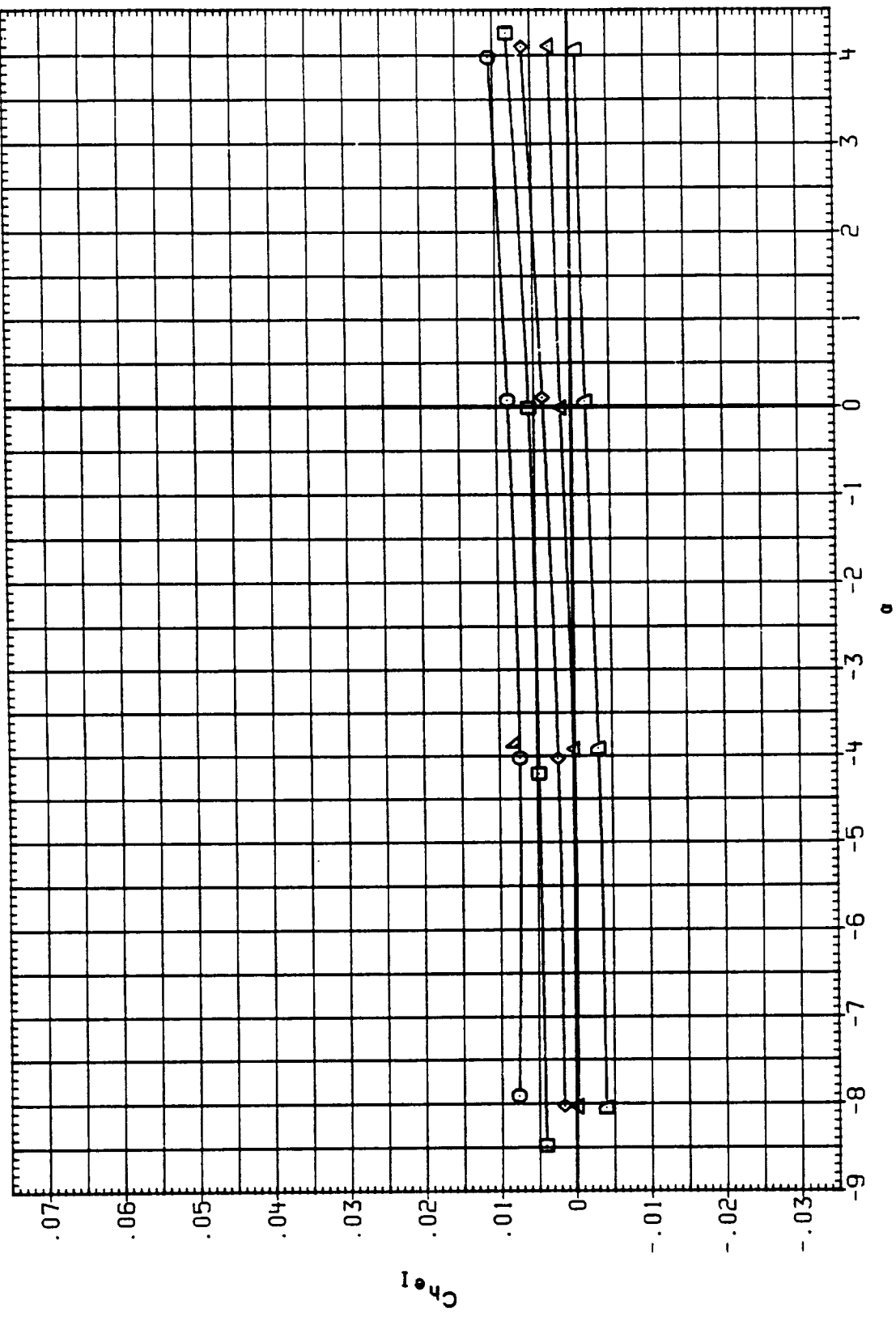


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MAJN	SEASCA	SELELY	SELELY
SC00E5	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.800	TOP	10.000	9.000
SC0002	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM,PLU. OFF	.800	TOP	10.000	9.000
SC0030	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	TOP	10.000	9.000
SC0016	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES ST.2	.800	TOP	10.000	9.000
YC00F8	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM + S1.2	.800	TOP	10.000	5.000
SC00H3	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES ST.2	.800	TOP	10.000	9.000

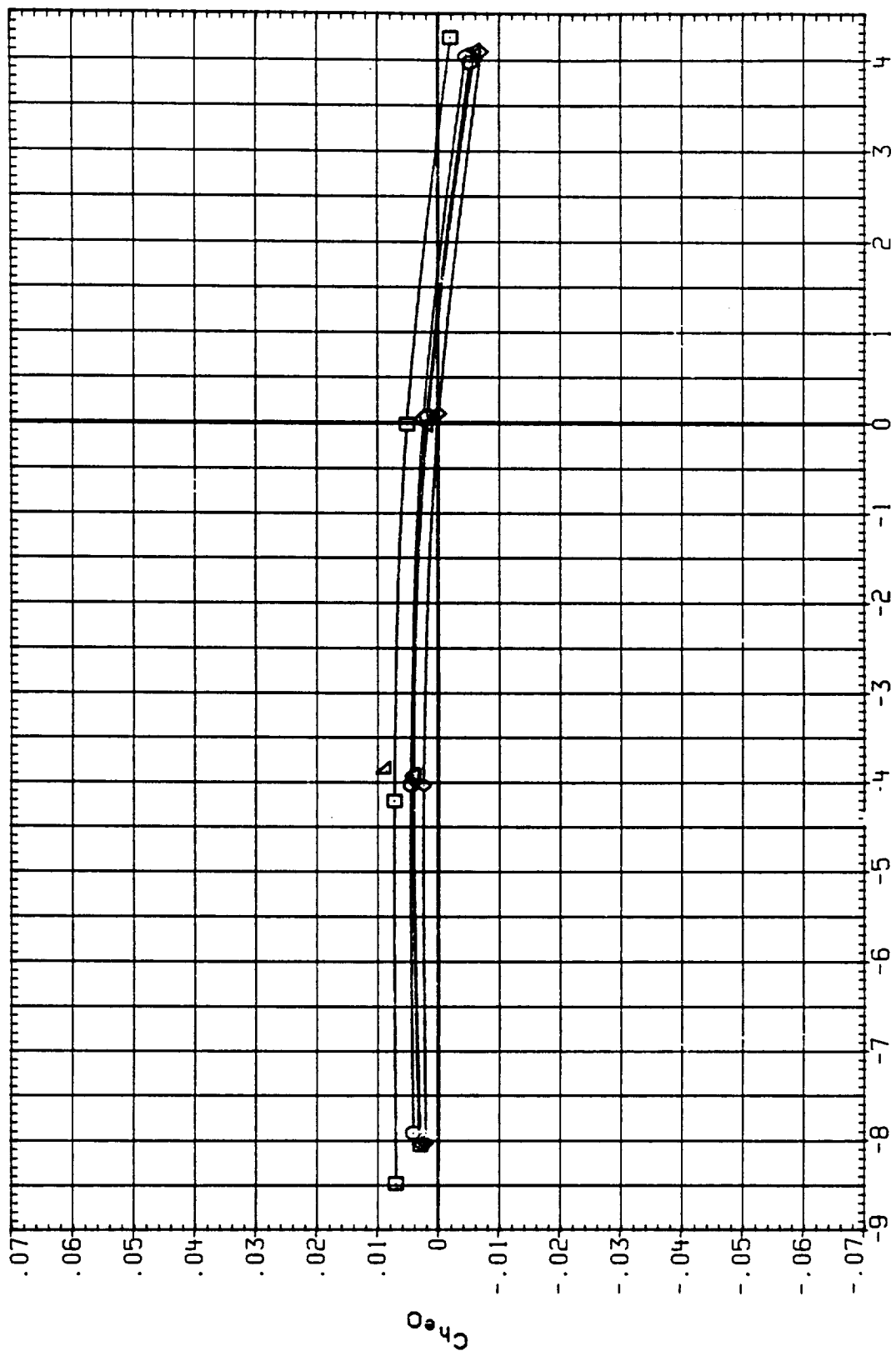


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	HEIGHT	SCALE
SC00E5	I A613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.800	TOP	9.000
SC00D2	I A613A(AEDC 161F-829) OT(1000R OFF) + RSRM, PLU. OFF	.800	TOP	9.000
SC0030	I A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	TOP	9.000
SC0016	I A613A(AEDC 161F-829) OT(1000R OFF) + RSRM + PLUMES 51.2	.800	TOP	5.000
YC00F8	I A613A(AEDC 161F-829) B/L OT + ASRM + PLUMES 51.2	.800	TOP	9.000
SC00N3	I A613A(AEDC 161F-829) B/L OT + ASRM + PLUMES 51.2	.800	TOP	9.000

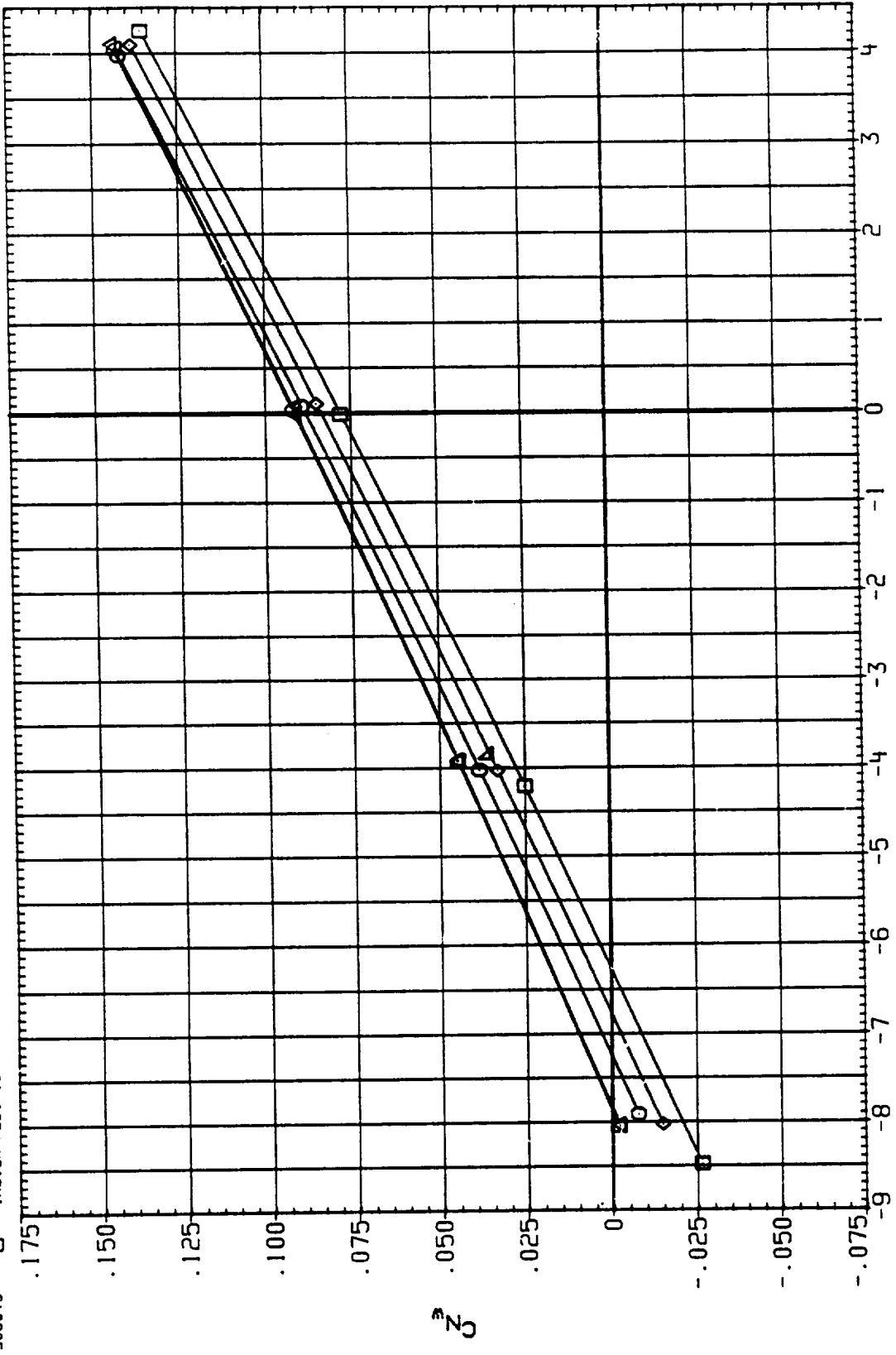


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-ABOX	IS-ELY	US-ELY
SC00E5	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.800	TOP	10.000	9.000
SC0002	IA613A(AEDC 161F-829) OT(1000R OFF) + RSRM, PLU. OFF	.800	TOP	10.000	9.000
SC0030	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	TOP	10.000	9.000
SC0016	IA613A(AEDC 161F-829) B/L OT + RSRM + PLUMES S1.2	.800	TOP	10.000	9.000
YC00F8	IA613A(AEDC 161F-829) OT(1000R OFF) + RSRM + S1.2	.800	TOP	10.000	5.000
SC00H3	IA613A(AEDC 161F-829) B/L OT + ASRM + PLUMES S1.2	.800	TOP	10.000	9.000

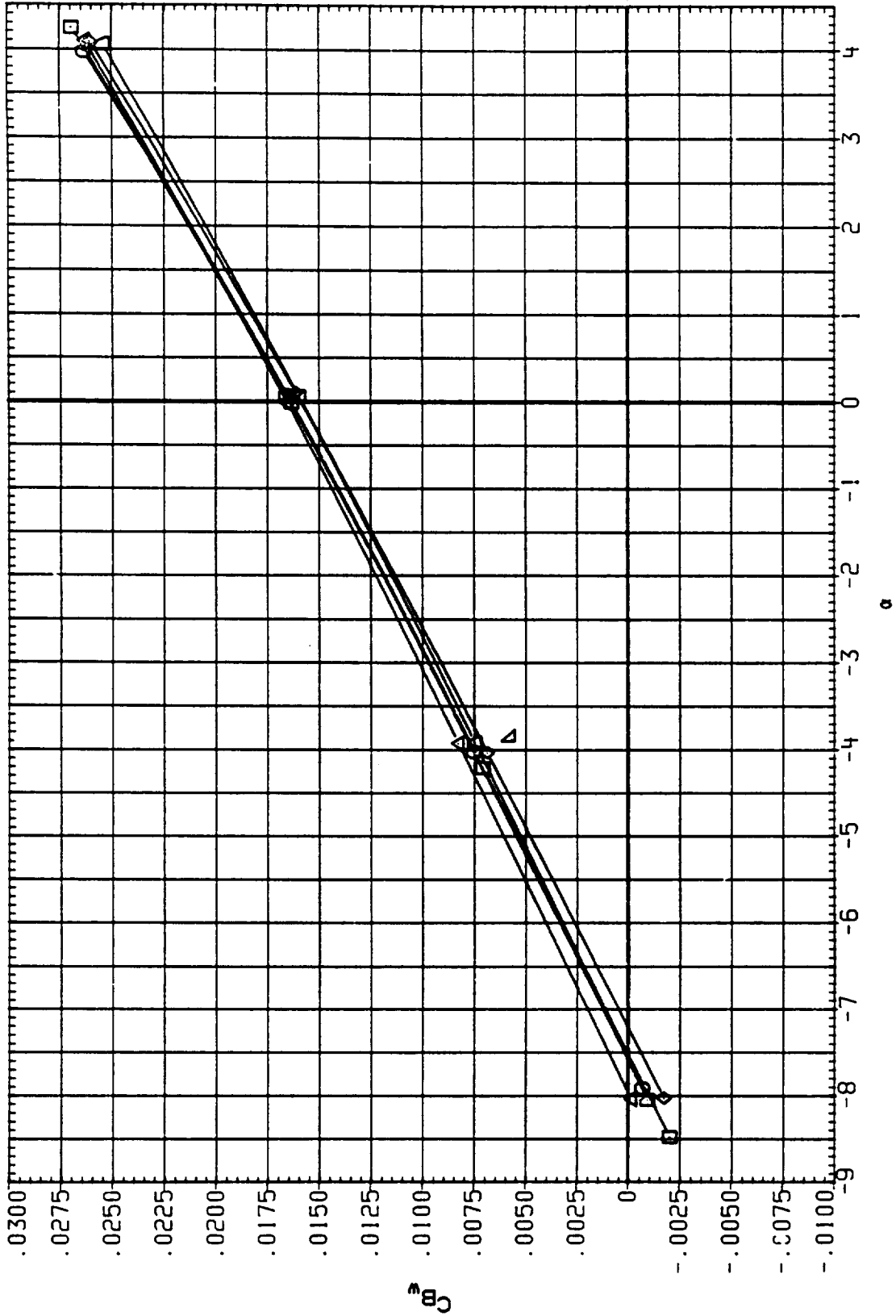


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

ORIGINAL PAGE IS OF POOR QUALITY

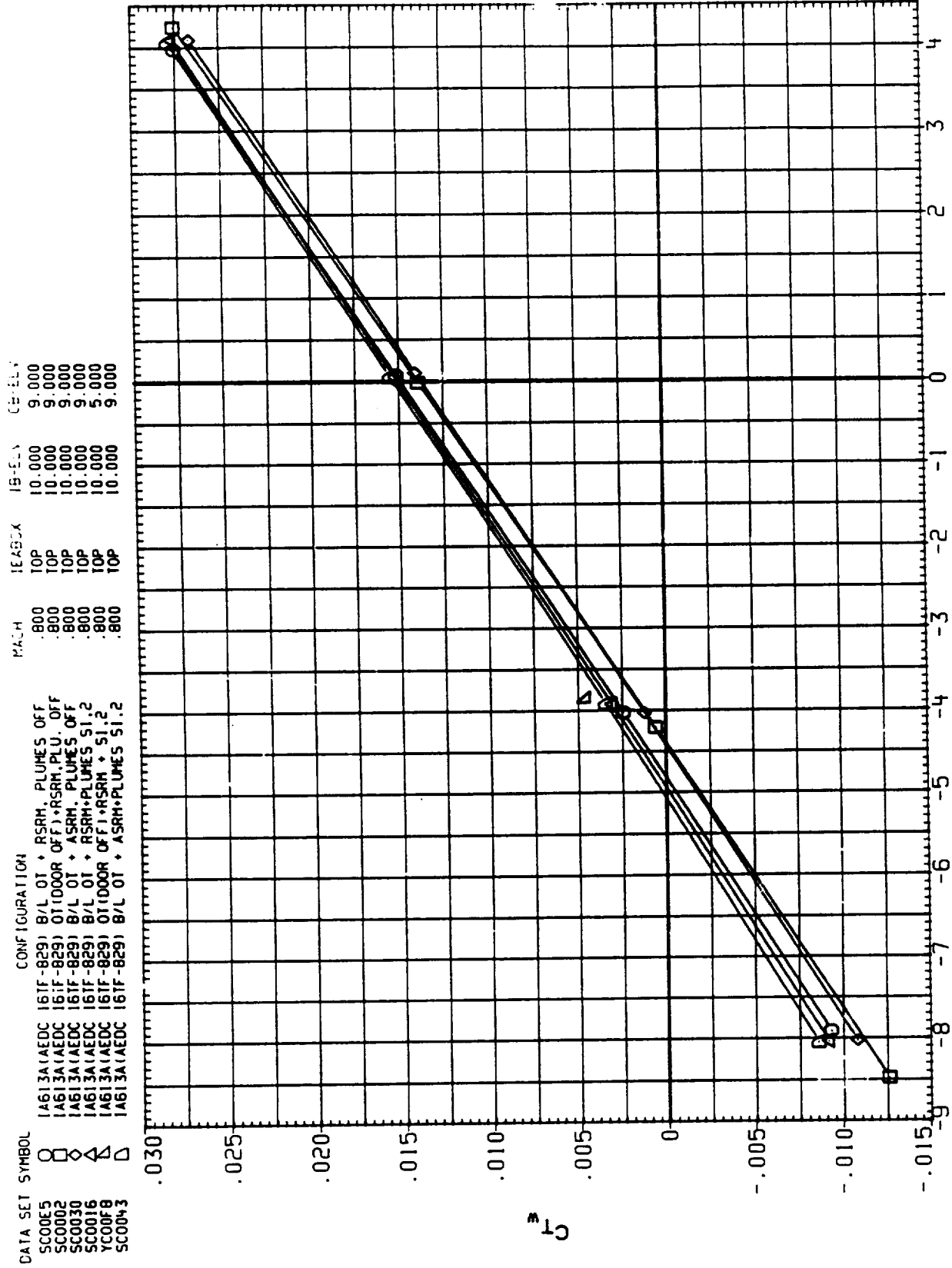


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LEABCX	IB-ELV	OB-ELV
SC00E6	IAGI3AIAEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	.900	TOP	10.000	9.000
SC0003	IAGI3AIAEDC 16TF-829) OT1000R OFF + RSRM, PLU. OFF	.900	TOP	10.000	9.000
SC0031	IAGI3AIAEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.900	TOP	10.000	9.000
SC0017	IAGI3AIAEDC 16TF-829) B/L OT + RSRM, PLUMES 51.2	.900	TOP	10.000	5.000
YC00F9	IAGI3AIAEDC 16TF-829) OT1000R OFF + RSRM + 51.2	.900	TOP	10.000	9.000
SC0044	IAGI3AIAEDC 16TF-829) B/L OT + ASRM + PLUMES 51.2	.900	TOP	10.000	9.000

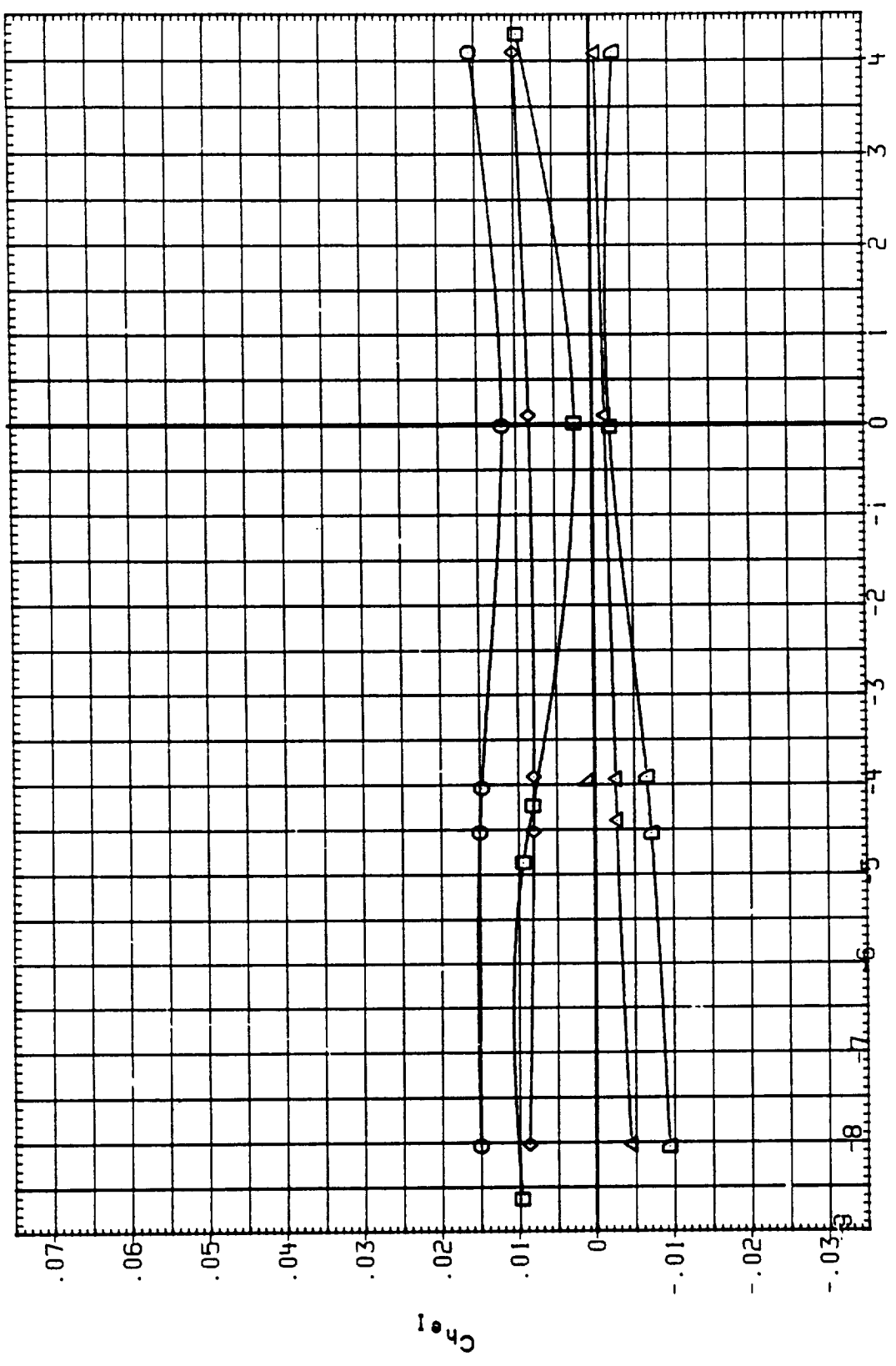


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

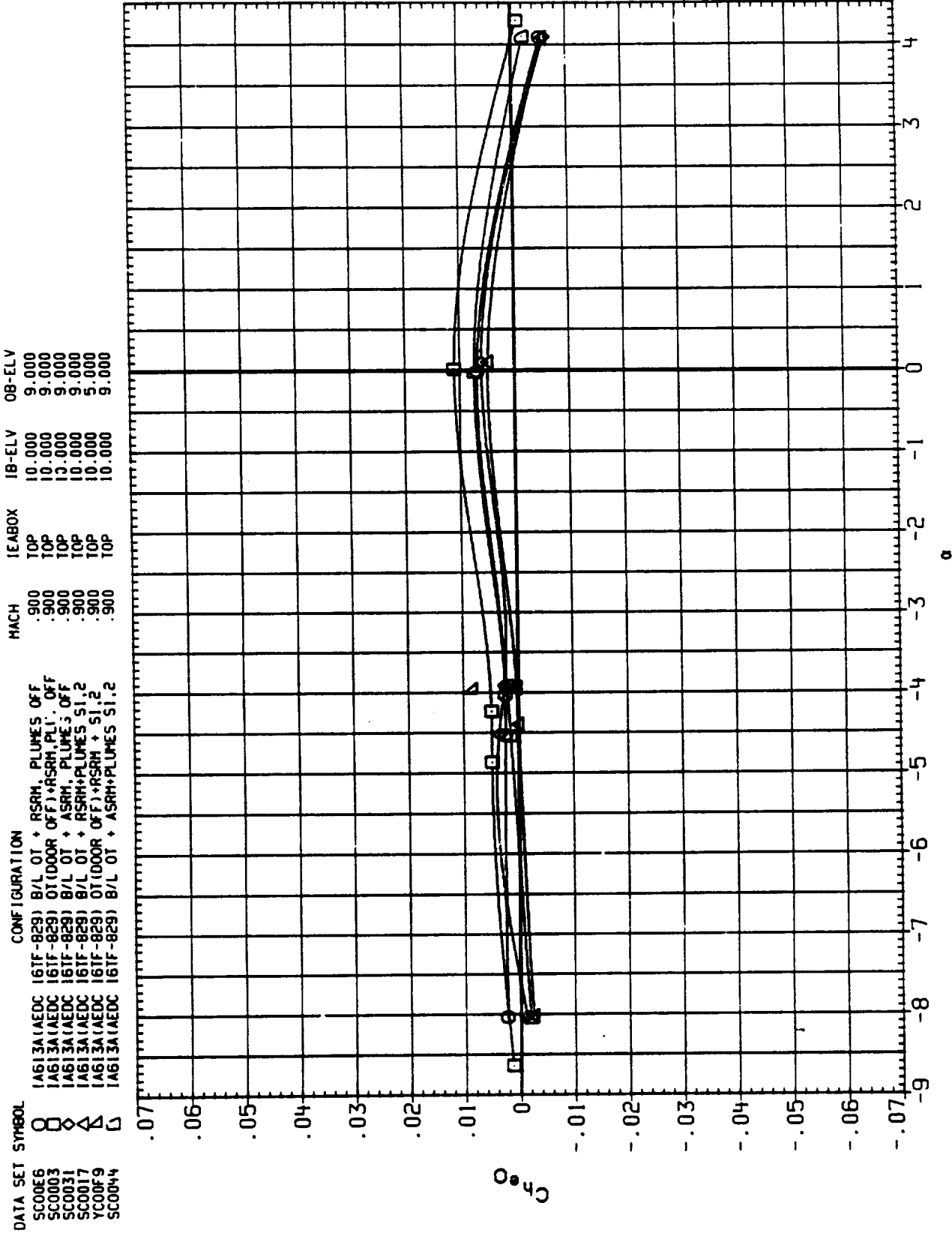


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC00E6	□	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.900	TOP	10.000	9.000
SC0003	○	IA613A1AEDC 161F-829) OT1000R OFF) +RSRM, PLU. OFF	.900	TOP	10.000	9.000
SC0031	◇	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.900	TOP	10.000	9.000
SC0017	△	IA613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	.900	TOP	10.000	9.000
YC00F9	◇	IA613A1AEDC 161F-829) OT1000R OFF) +RSRM + S1.2	.900	TOP	10.000	5.000
SC00H4	△	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.900	TOP	10.000	9.000

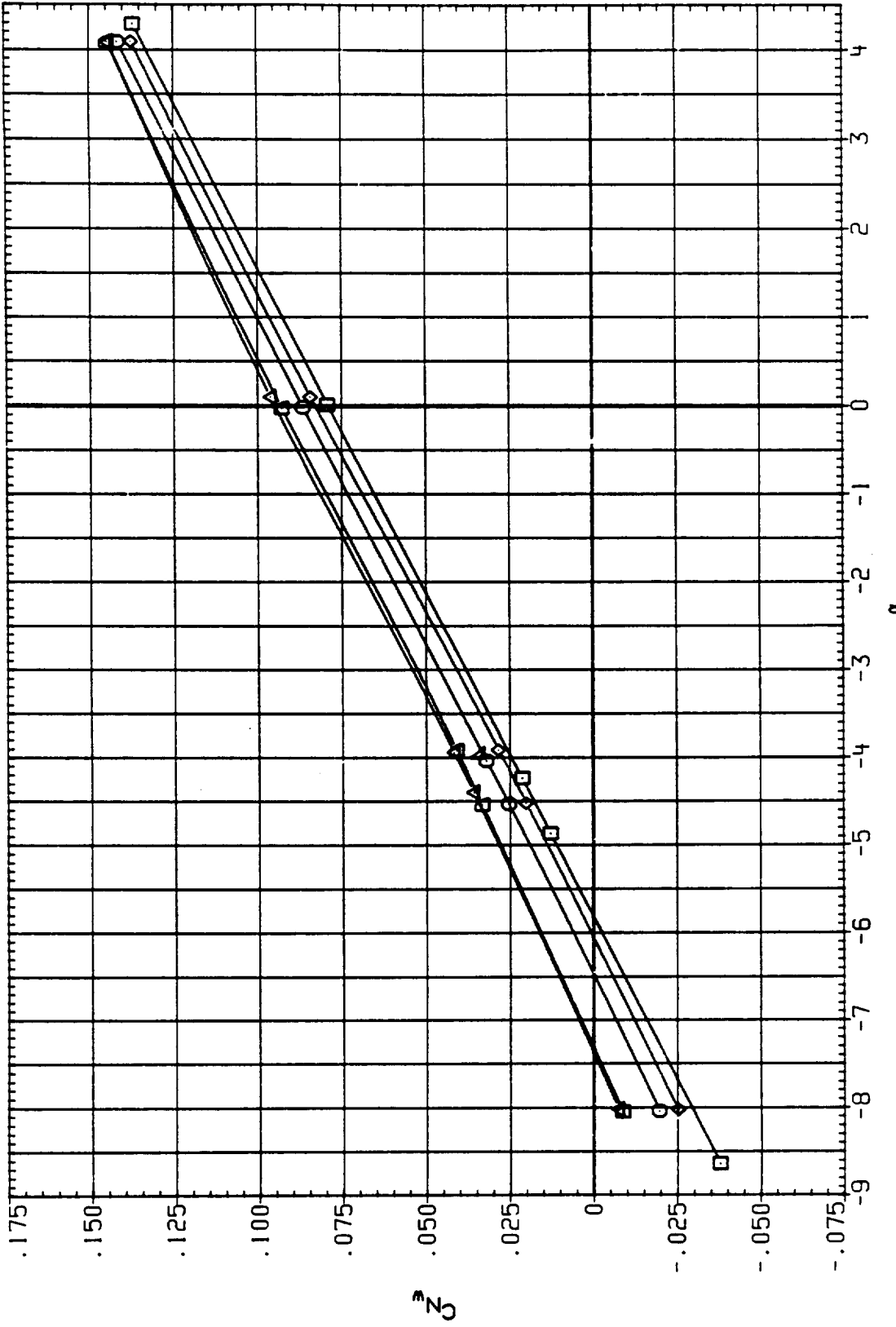


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

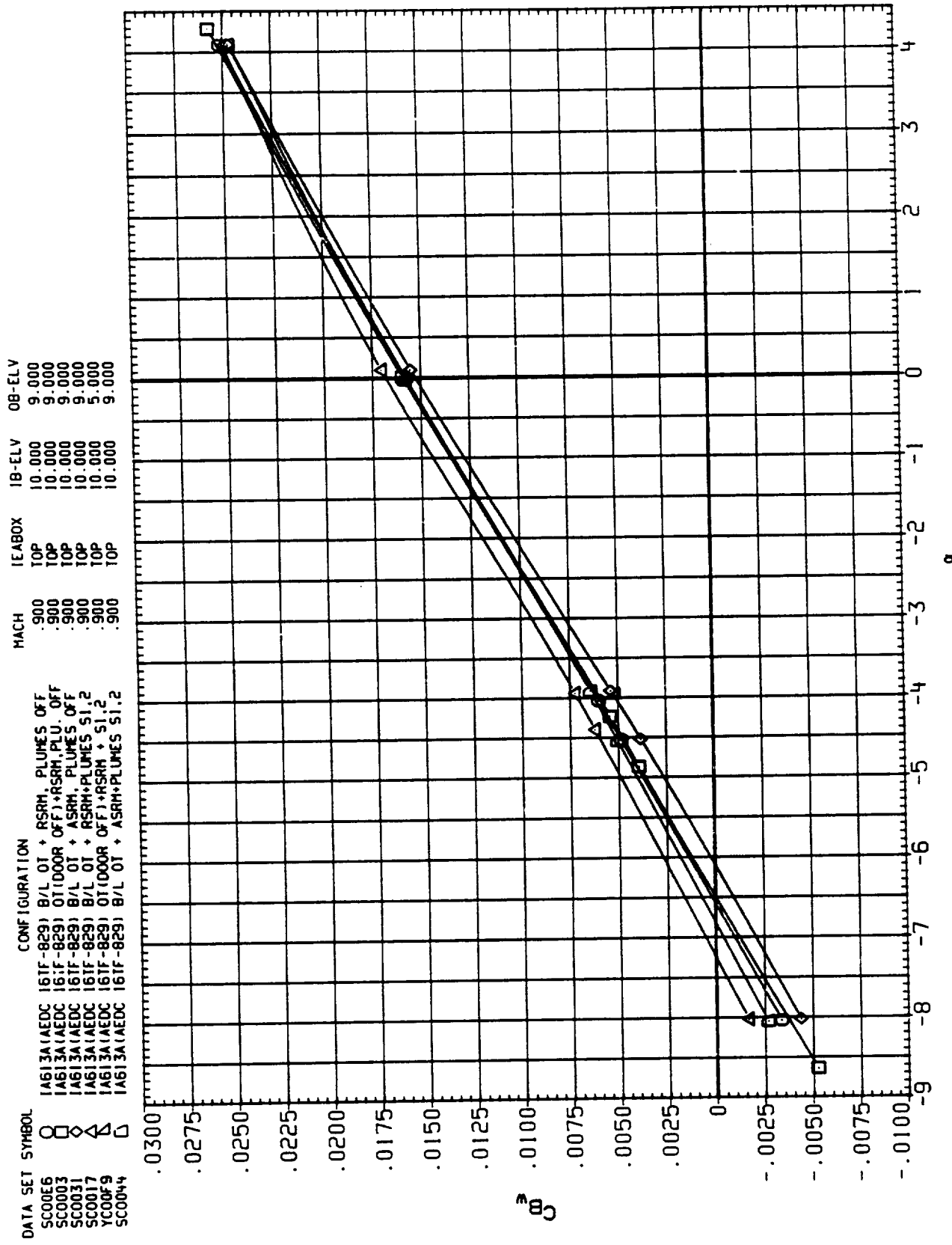


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

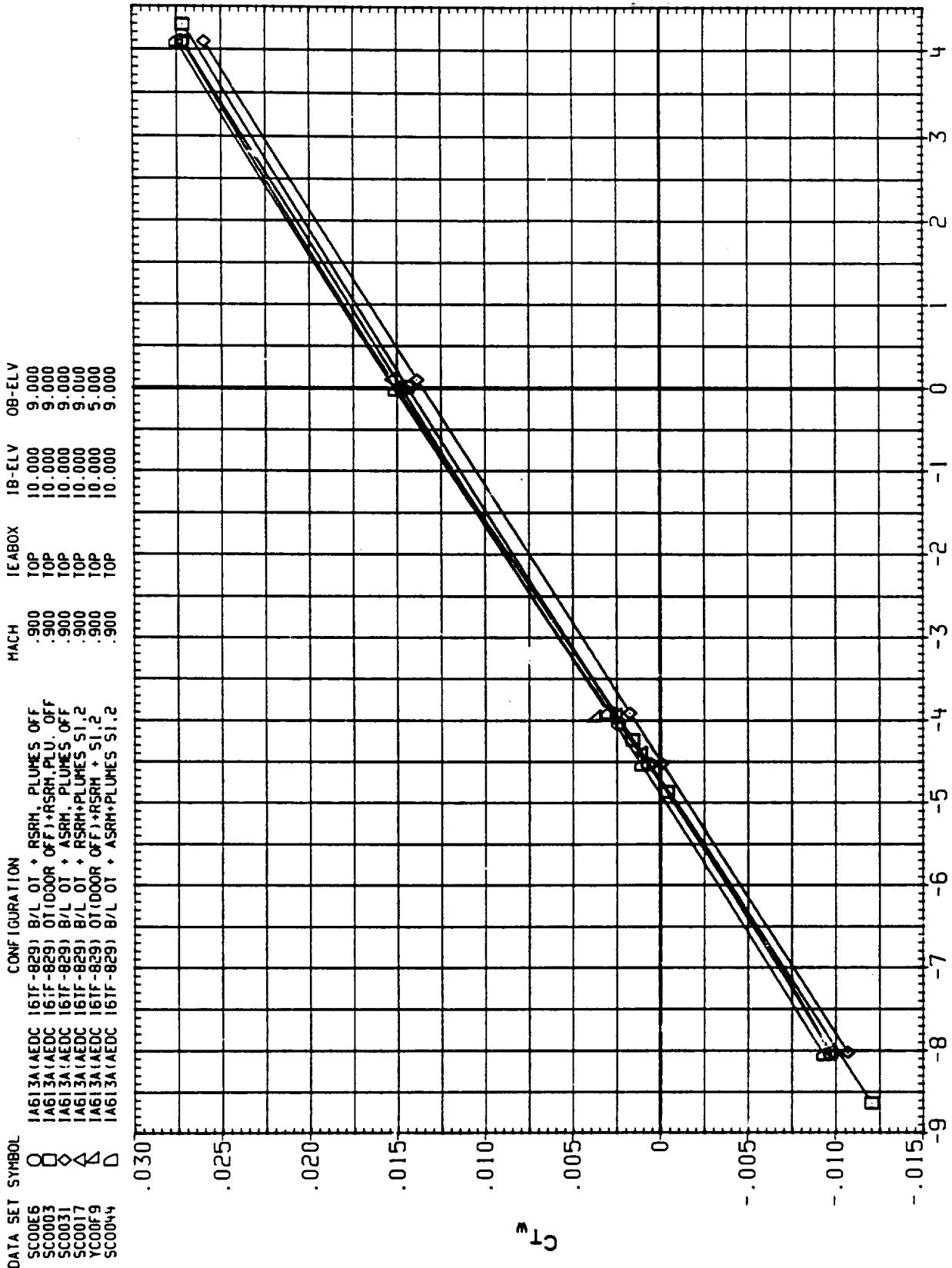


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IE-BOX	IB-ELY	OB-ELY
SC0007	□	IA613A(AEDC 161F-829) B/L OT + RSRH, PLUMES OFF	.950	TOP	10.000	9.000
SC0004	◇	IA613A(AEDC 161F-829) OT(1000R OFF)+RSRH,PLU. OFF	.950	TOP	10.000	9.000
SC0032	◇	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.950	TOP	10.000	9.000
SC0018	△	IA613A(AEDC 161F-829) B/L OT + RSRH+PLUMES S1.2	.950	TOP	10.000	5.000
YC0060	◇	IA613A(AEDC 161F-829) OT(1000R OFF)+RSRH + S1.2	.950	TOP	10.000	9.000
SC0005	◇	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.950	TOP	10.000	9.000

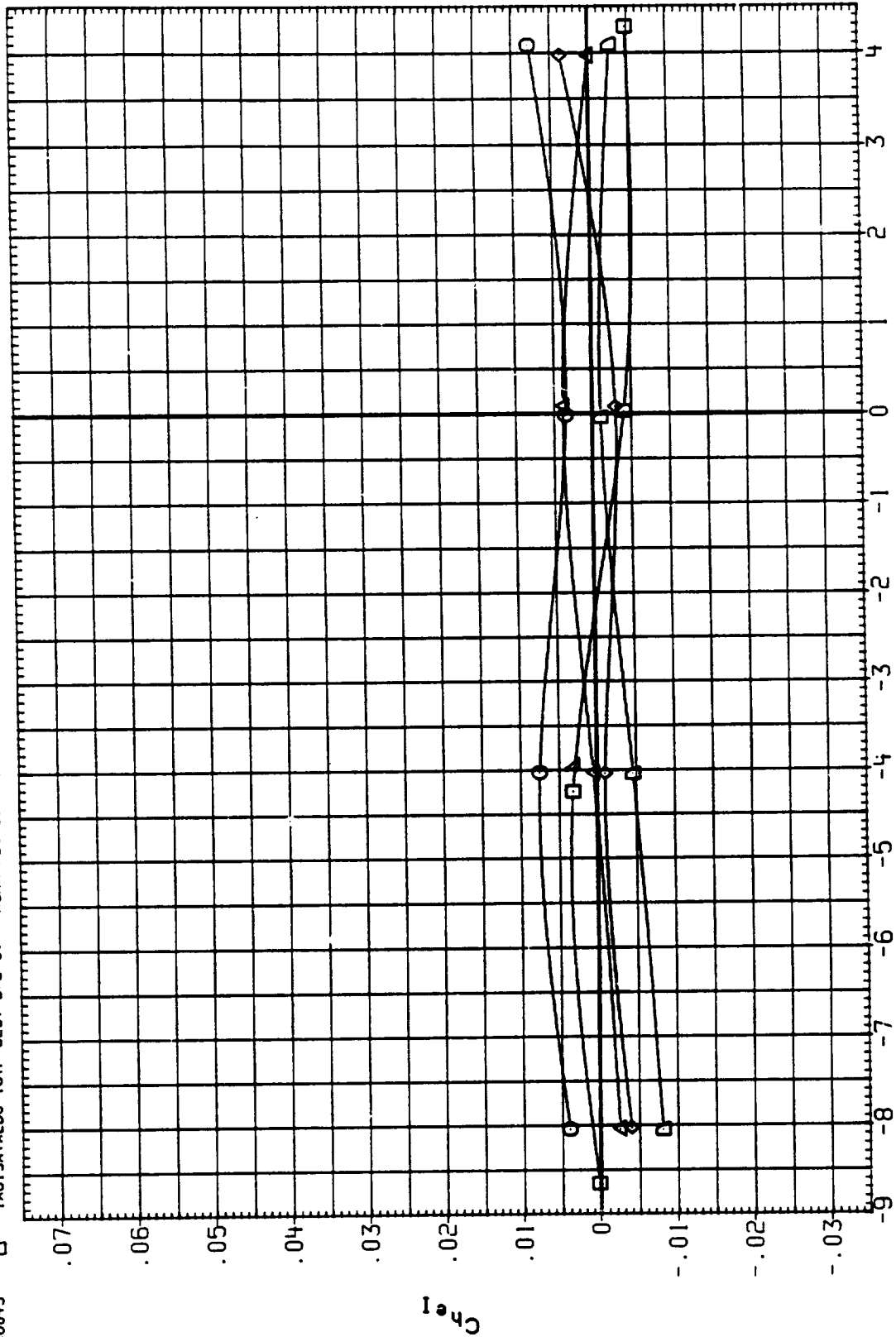


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

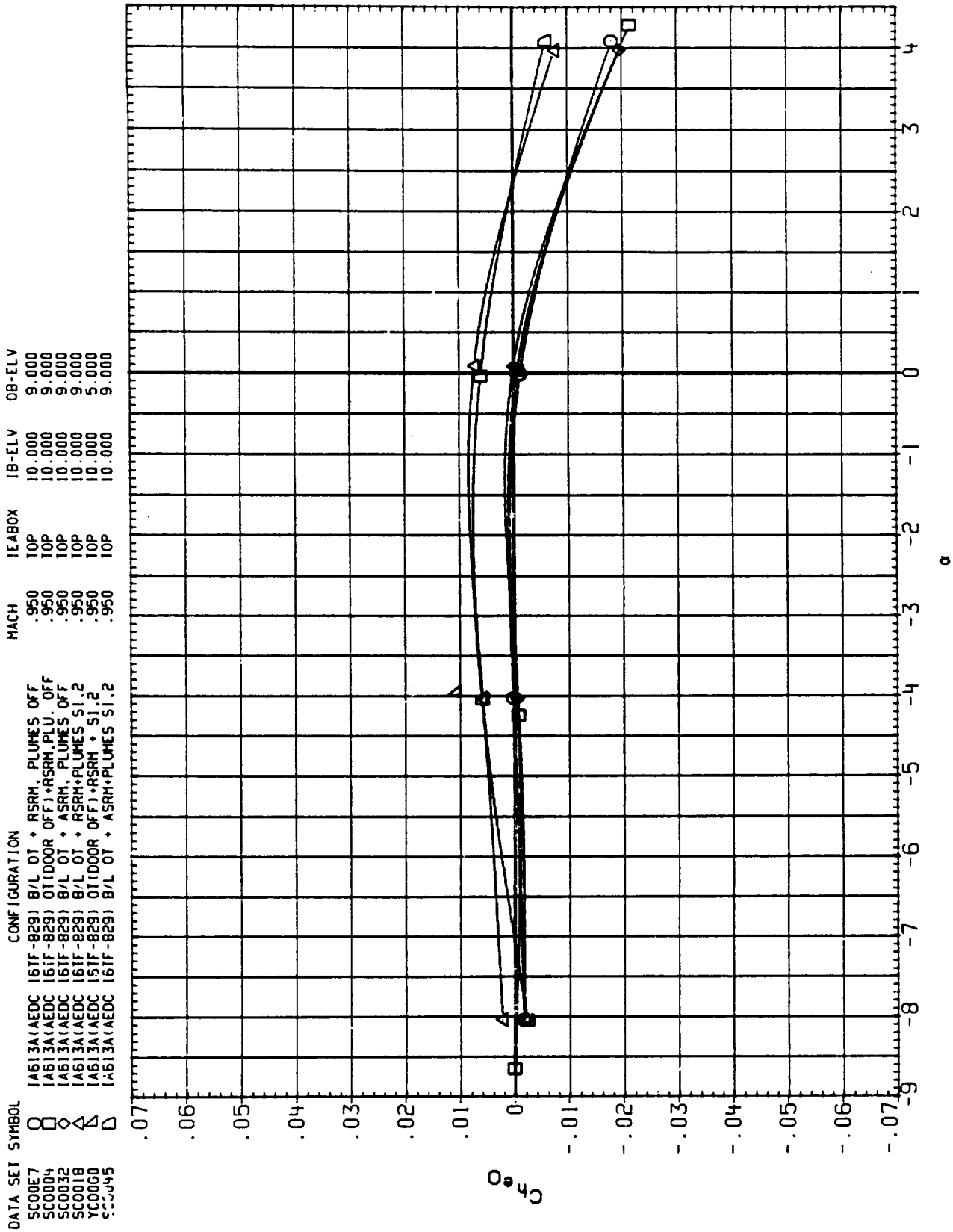


FIG. 2 EFFECT OF ASRM AND PLUMES ON WING LOADS

(A) BETA = .00

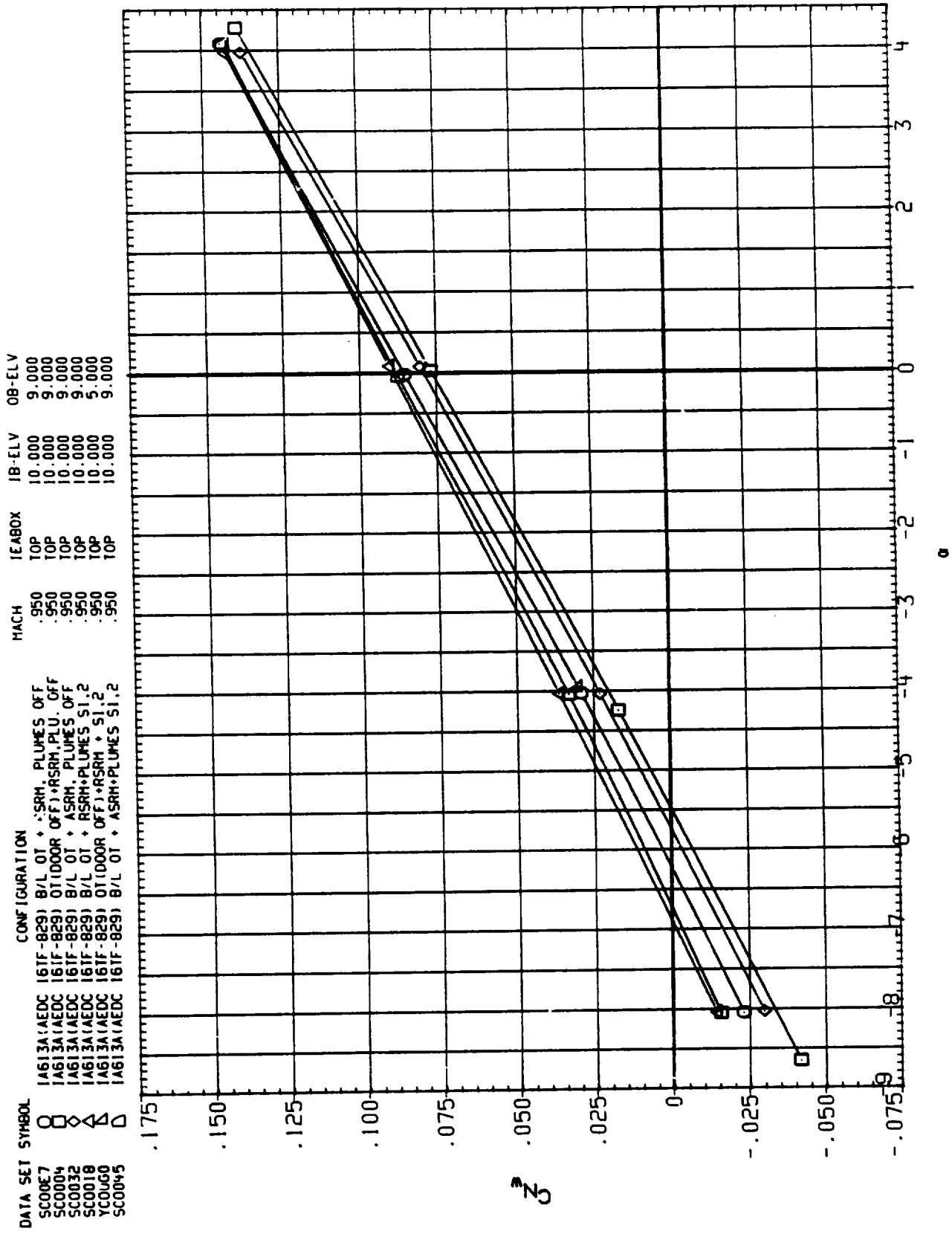


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL

- SC0007 ○
- SC0004 □
- SC0032 ◇
- SC0018 △
- YC0060 ▽
- SC0045 ▽

CONF IGURATION

- IAG13A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF
- IAG13A(AEDC 16TF-829) OT(1000R OFF)+RSRM,PLU. OFF
- IAG13A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
- IAG13A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2
- IAG13A(AEDC 16TF-829) OT(1000R OFF)+RSRM + S1.2
- IAG13A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

MACH

- .950
- .950
- .950
- .950
- .950
- .950

LEABOX

- TOP
- TOP
- TOP
- TOP
- TOP
- TOP

IB-ELV

- 10.000
- 10.000
- 10.000
- 10.000
- 10.000
- 10.000

OB-ELV

- 9.000
- 9.000
- 9.000
- 9.000
- 5.000
- 9.000

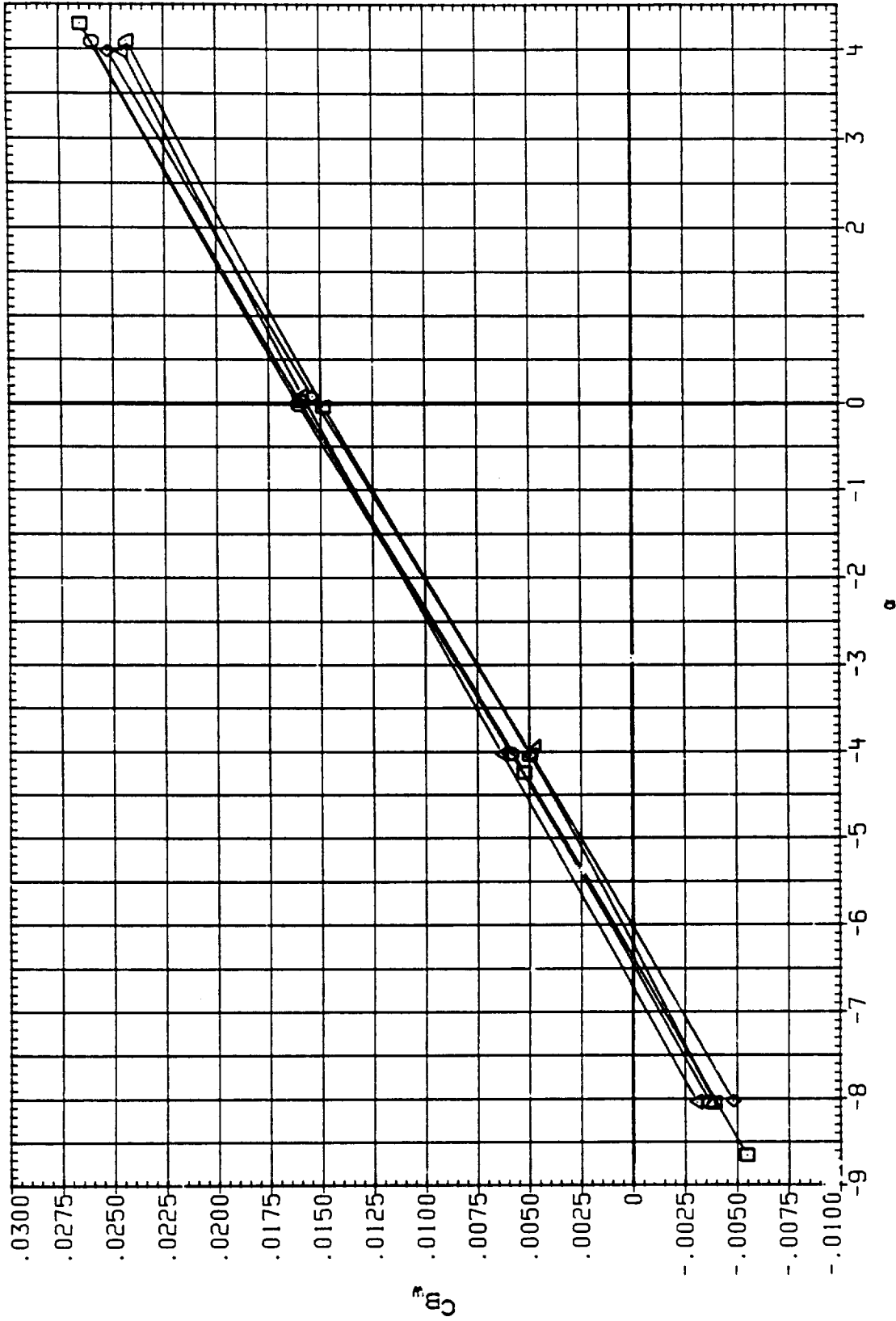


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC00E7	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.950	TOP	10.000	9.000
SC0004	IA613A(AEDC 161F-829) 011000R OFF) + RSRM, PLU. OFF	.950	TOP	10.000	9.000
SC0032	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.950	TOP	10.000	9.000
SC0018	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	.950	TOP	10.000	9.000
YC0060	IA613A(AEDC 161F-829) 011000R OFF) + RSRM + S1.2	.950	TOP	10.000	5.000
SC0045	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.950	TOP	10.000	9.000

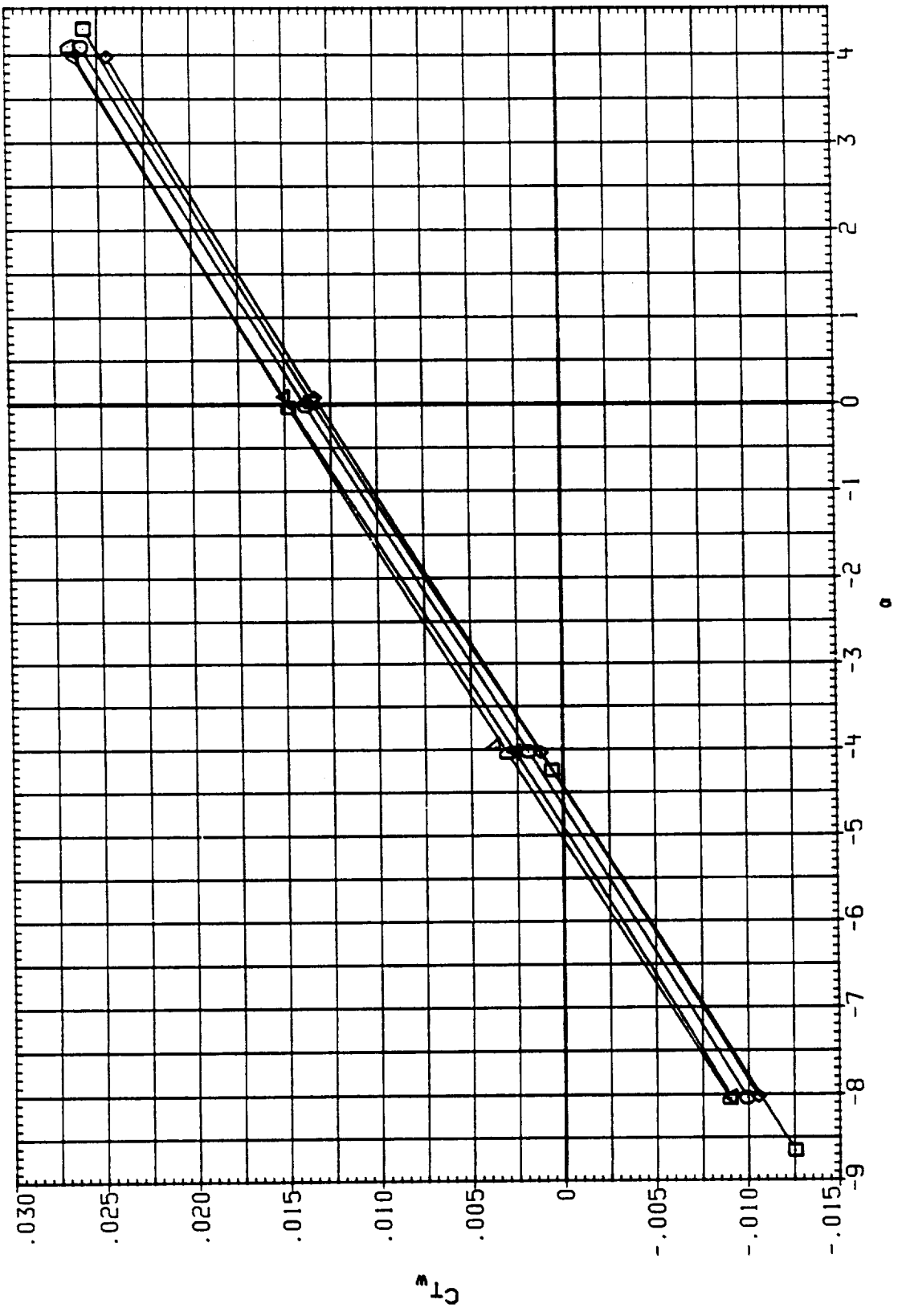


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC00E8	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.050	TOP	10.000	9.000
SC0005	IA613A1AEDC 161F-829) OT1000R OFF + RSRM, PLU. OFF	1.050	TOP	10.000	9.000
SC0033	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.050	TOP	10.000	9.000
SC0019	IA613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.050	TOP	10.000	9.000
YC0001	IA613A1AEDC 161F-829) OT1000R OFF + RSRM + S1.2	1.050	TOP	10.000	5.000
SC0046	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.050	TOP	10.000	9.000

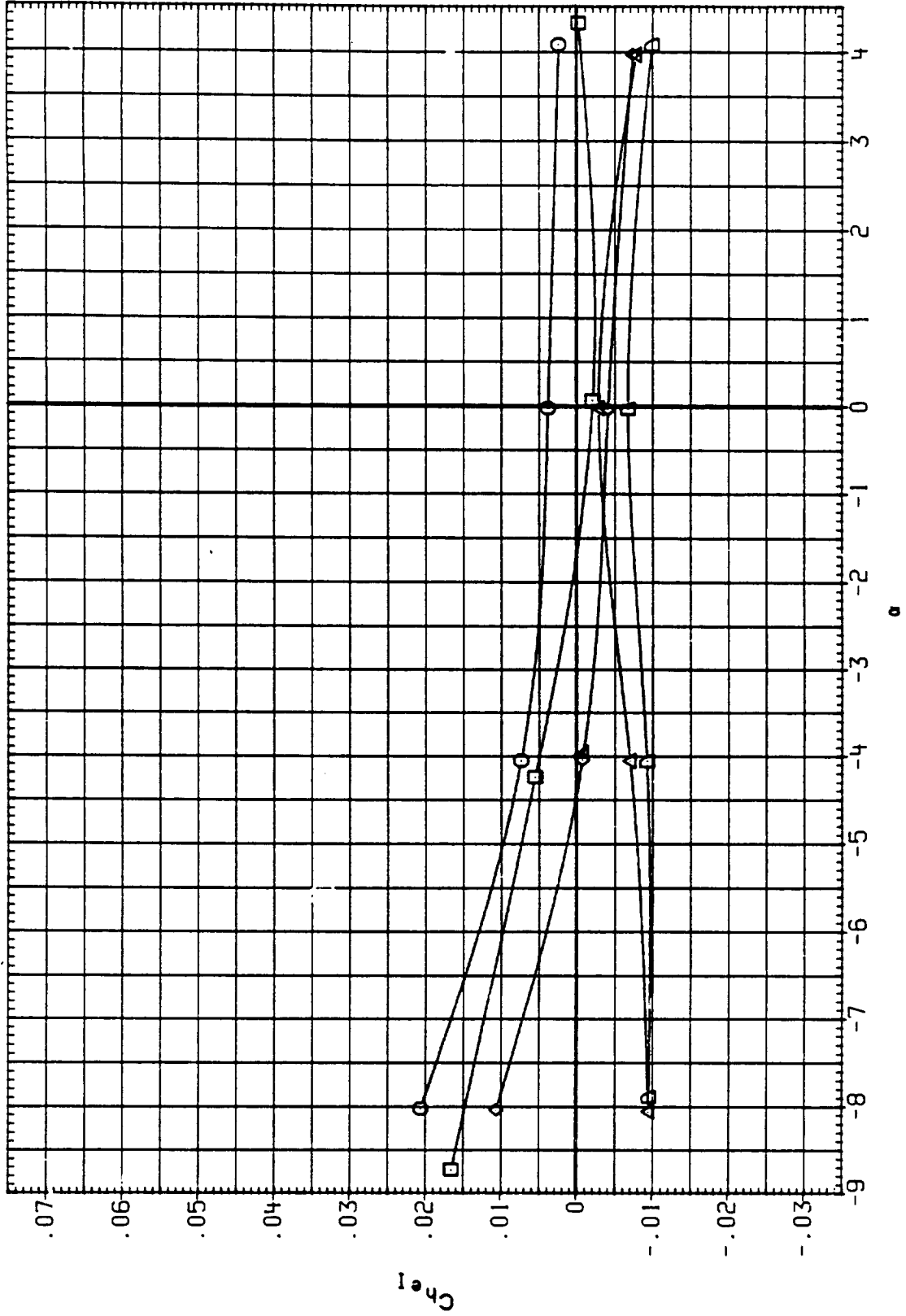


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

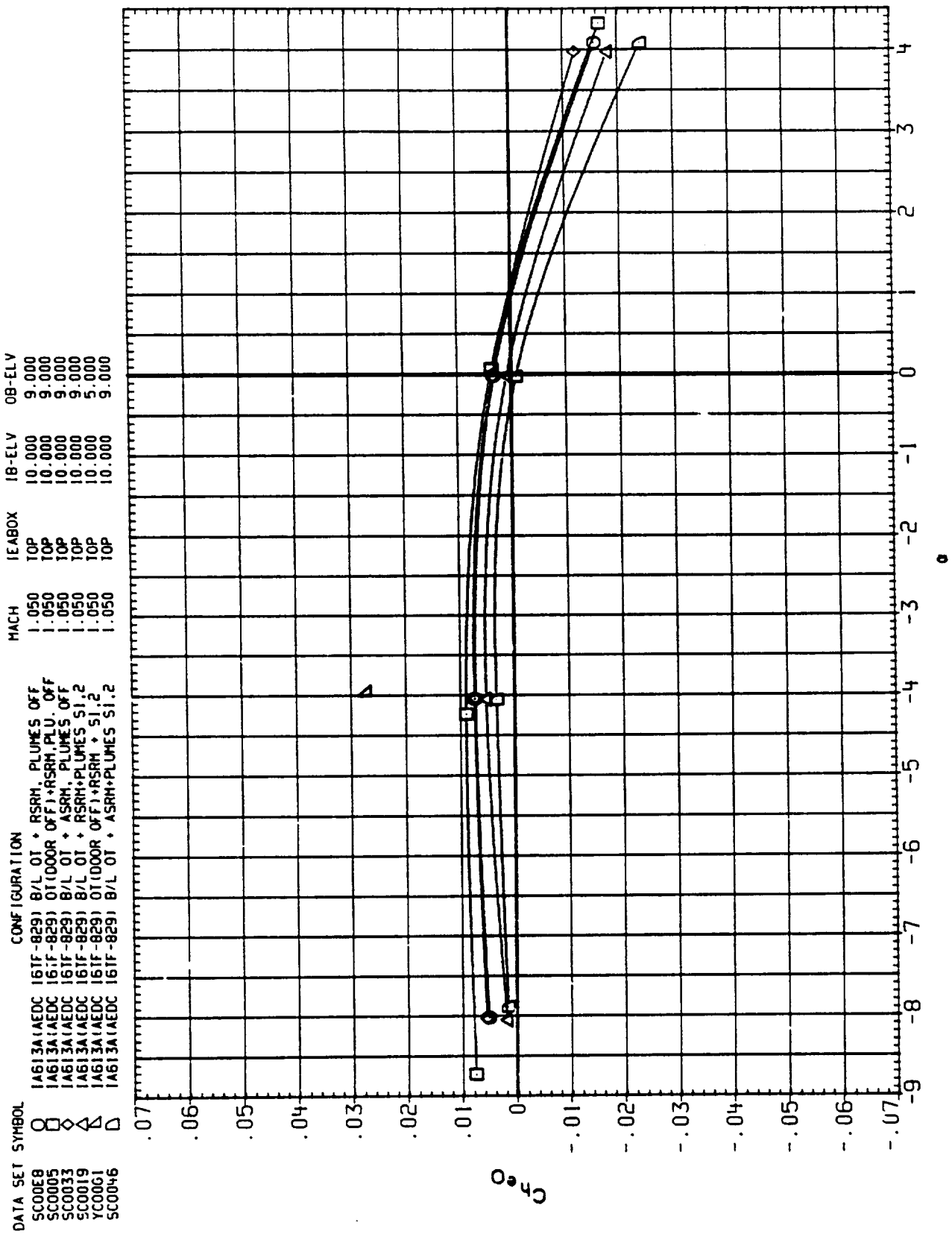


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	FEARBOX	IB-ELV	OB-ELV
SC0009	IAG13A1AEDC 16TF-829) B/L OT + RSM, PLUMES OFF	1.050	TOP	10.000	9.000
SC0005	IAG13A1AEDC 16TF-829) OT(DOOR OFF)+RSM, PLU. OFF	1.050	TOP	10.000	9.000
SC0033	IAG13A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.050	TOP	10.000	9.000
SC0019	IAG13A1AEDC 16TF-829) B/L OT + RSM+PLUMES S1.2	1.050	TOP	10.000	9.000
YC0001	IAG13A1AEDC 16TF-829) OT(DOOR OFF)+RSM + S1.2	1.050	TOP	10.000	5.000
SC0046	IAG13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.050	TOP	10.000	9.000

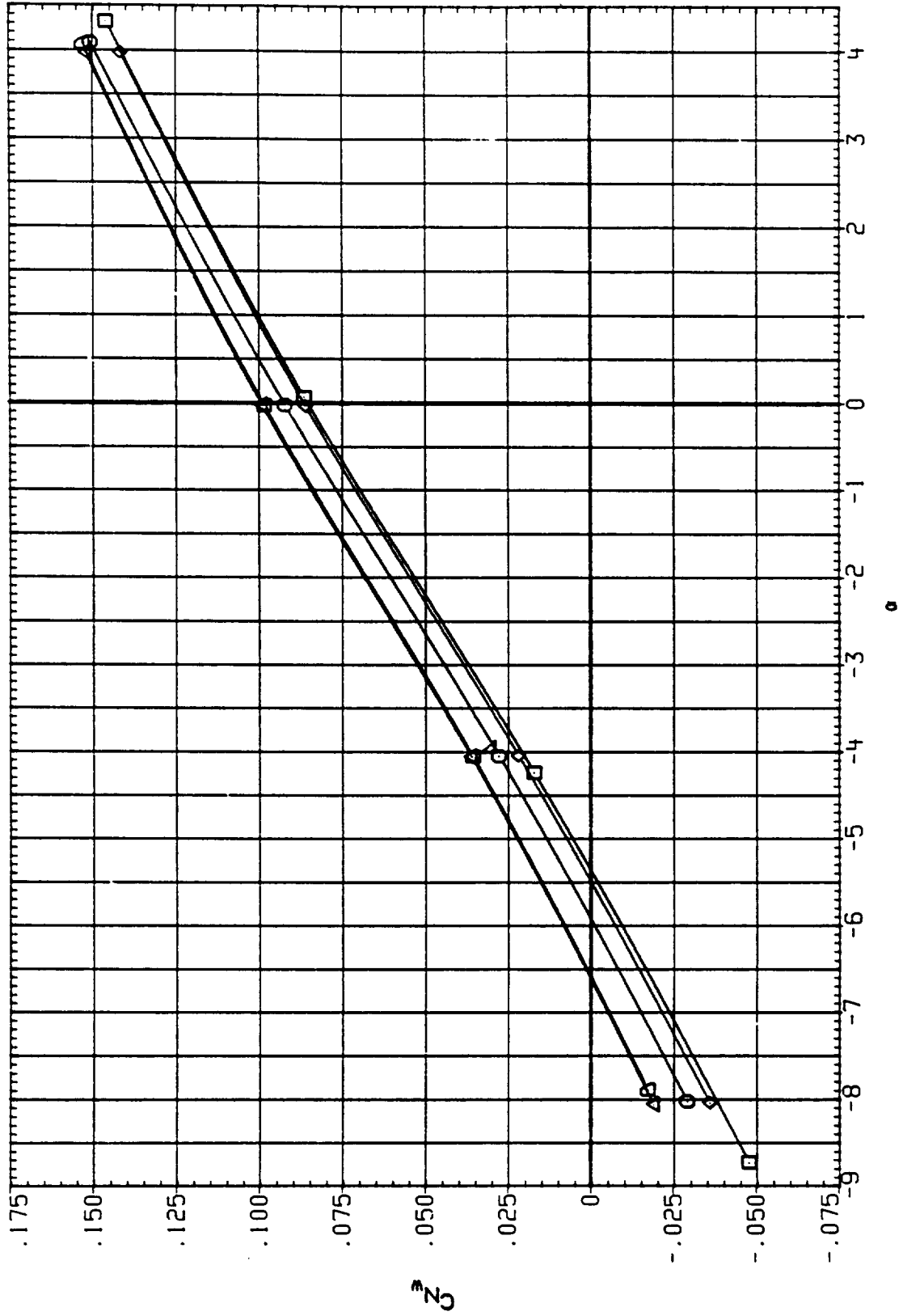


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

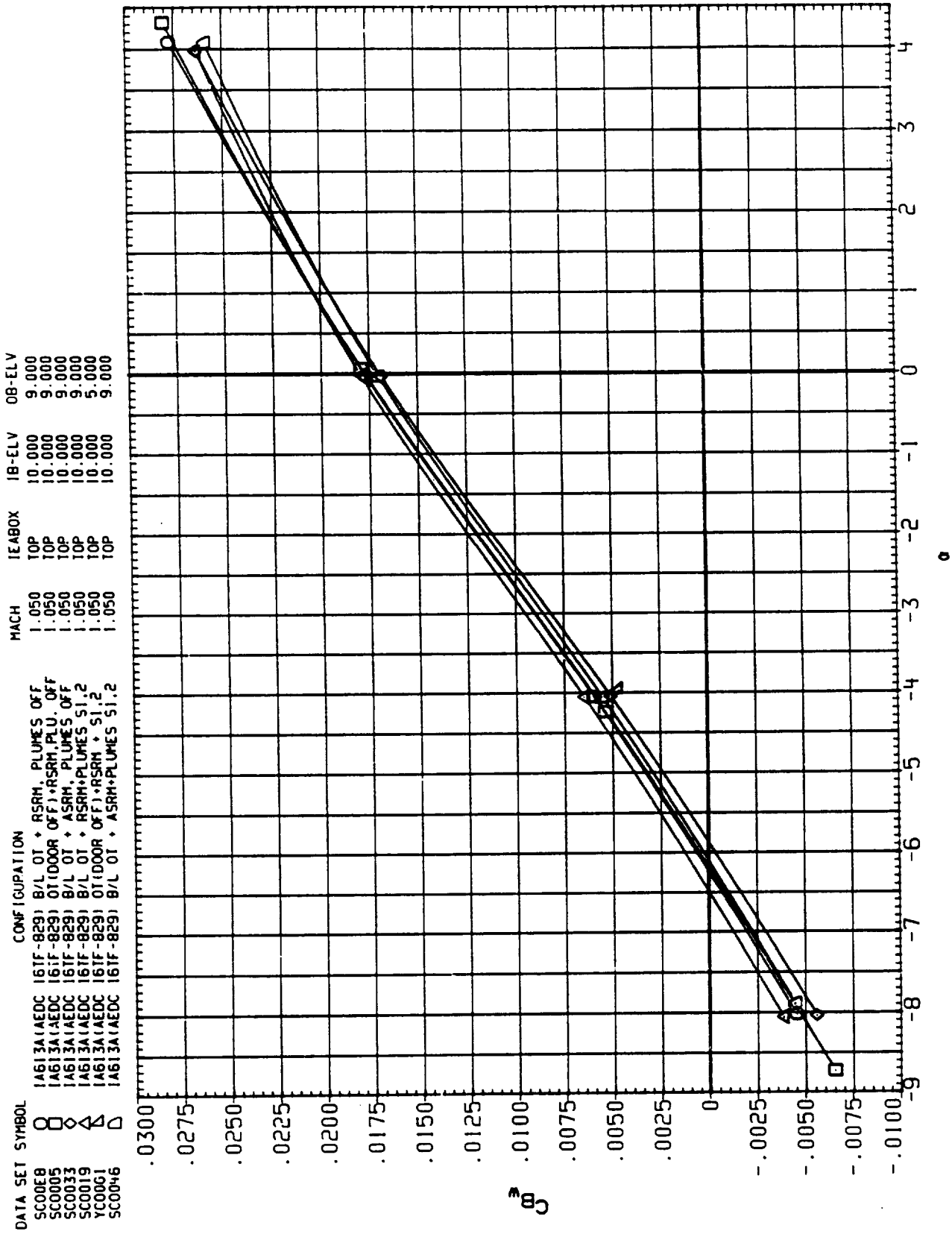


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

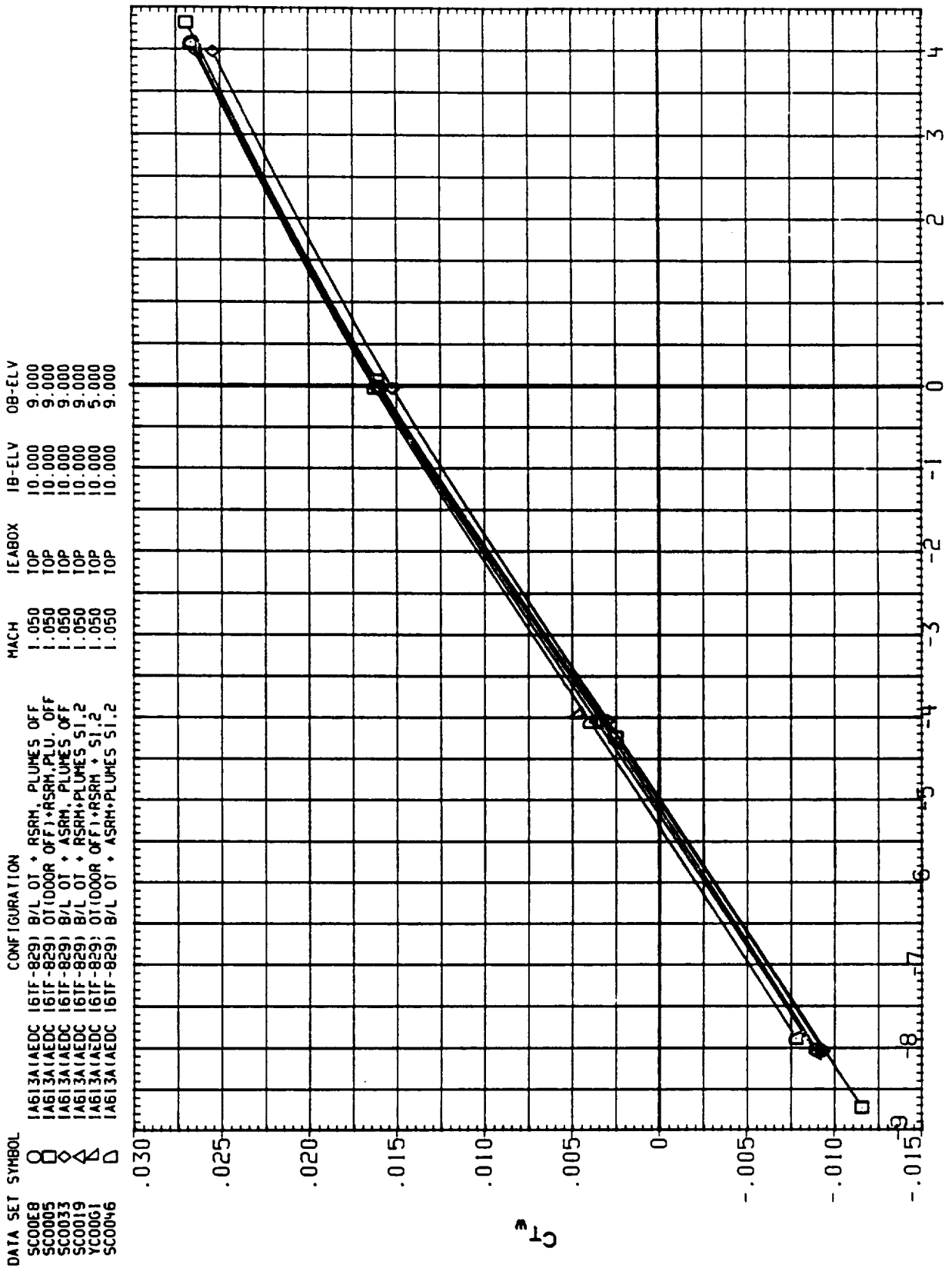


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	EA-5CX	15-LEV	15-LEV
SC00E9	I A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.100	TOP	10.000	9.000
SC0006	I A613A1AEDC 161F-829) OT(DOOR OFF)+RSRM, PLU. OFF	1.100	TOP	10.000	9.000
SC0034	I A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.100	TOP	10.000	9.000
SC0020	I A613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.100	TOP	10.000	9.000
YC00G2	I A613A1AEDC 161F-829) OT(DOOR OFF)+RSRM + S1.2	1.100	TOP	10.000	5.000
SC0047	I A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.100	TOP	10.000	9.000

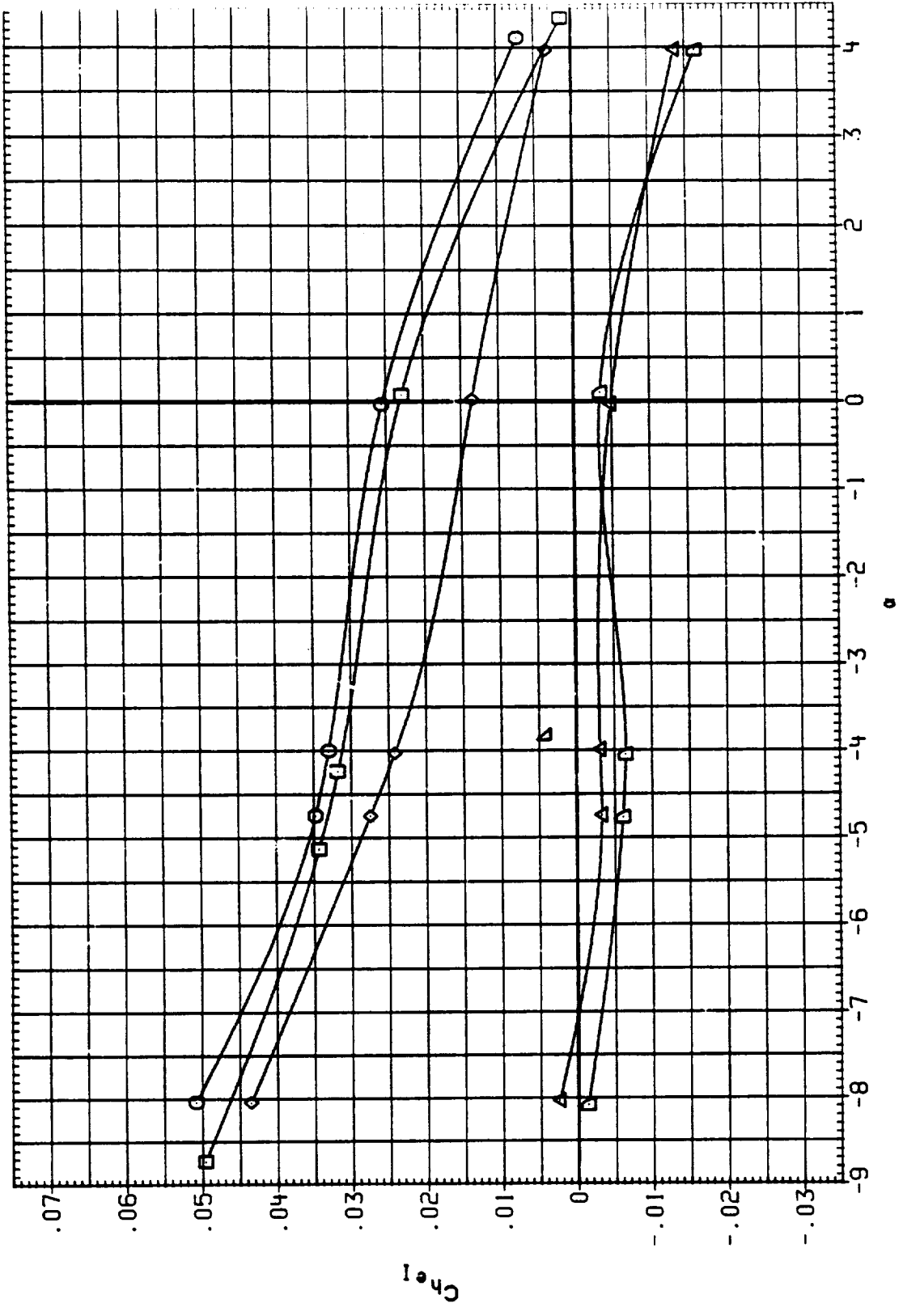


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	HEADX	HEADY	HEADZ
SC00E9	I A613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.100	TOP	10.000	9.000
SC0006	I A613A(AEDC 161F-829) OT1000R OFF + RSRM, PLU. OFF	1.100	TOP	10.000	9.000
SC0007	I A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.100	TOP	10.000	9.000
SC0020	I A613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.100	TOP	10.000	9.000
YC0062	I A613A(AEDC 161F-829) OT1000R OFF + RSRM + S1.2	1.100	TOP	10.000	9.000
SC0047	I A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.100	TOP	10.000	9.000

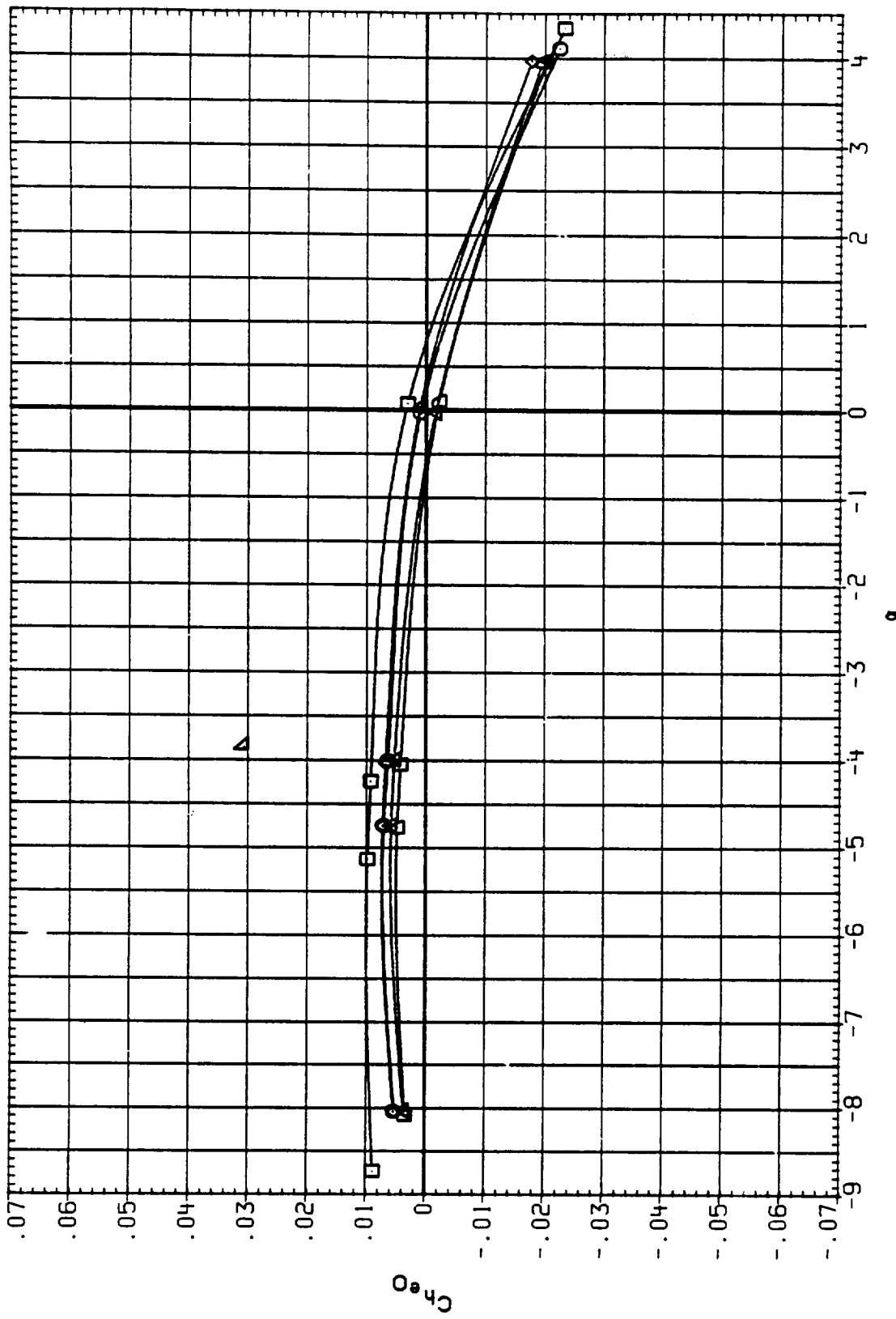


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

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DATA SET	SYMBOL	CONFIGURATION	MACH	LE-BOX	19-ELV	05-ELV
SC00E9	○	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.100	TOP	10.000	9.000
SC0006	◻	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM, PLU. OFF	1.100	TOP	10.000	9.000
SC0034	◇	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.100	TOP	10.000	9.000
SC0020	△	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.100	TOP	10.000	9.000
YC00G2	◊	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM + S1.2	1.100	TOP	10.000	5.000
SC0047	◊	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.100	TOP	10.000	9.000

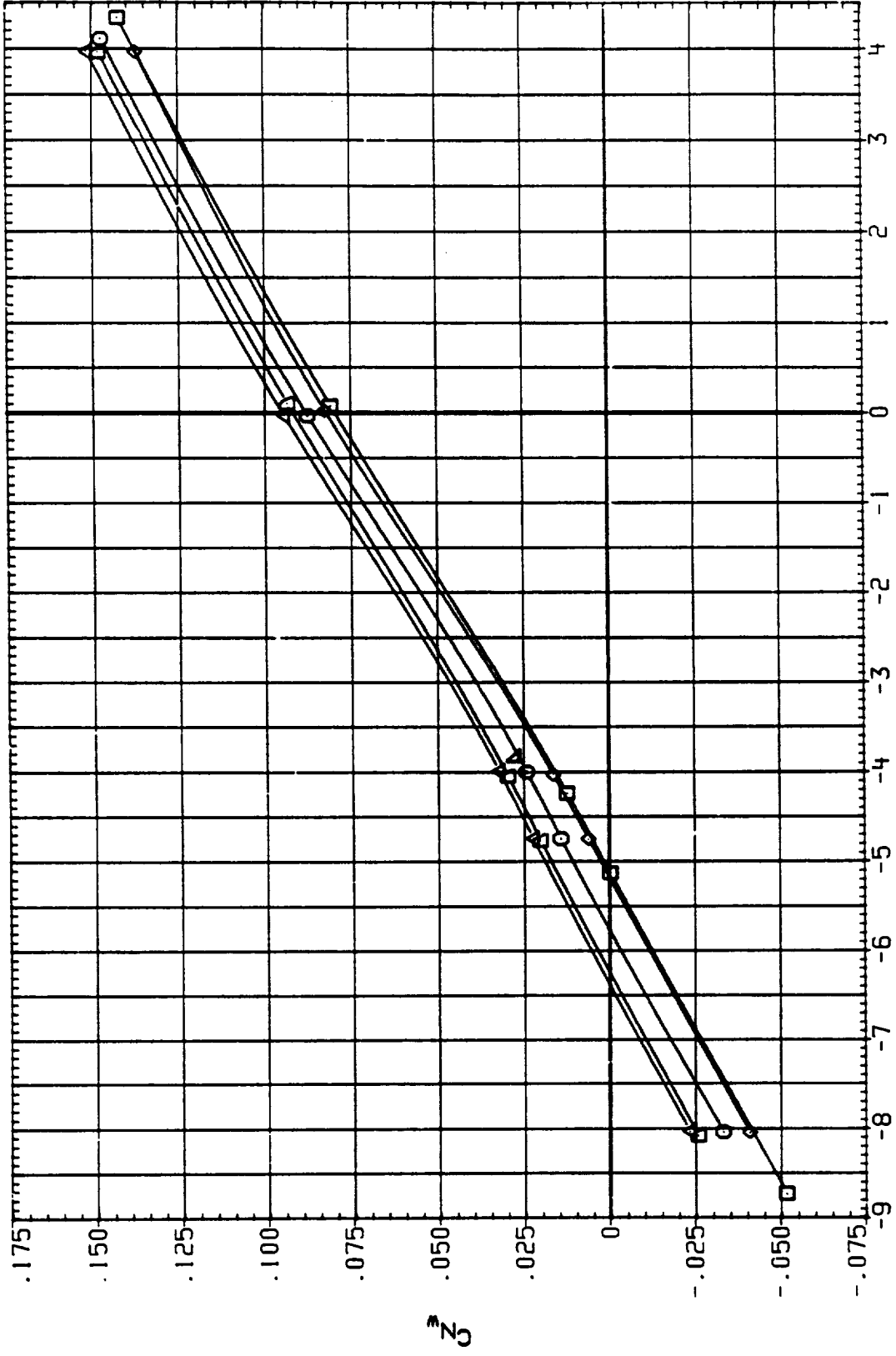


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL

- SC00E9 ○
- SC0006 □
- SC0034 ◇
- SC0020 △
- YC0002 ▲
- SC0047 ▽

CONFIGURATION

- IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF
- IA613A1AEDC 161F-829) 011000R CFF1 + RSRM, PLU. OFF
- IA613A1AEDC 161F-829) B/L C1 + ASRM, PLUMES OFF
- IA613A1AEDC 161F-829) B/L OT + RSRM + PLUMES 51.2
- IA613A1AEDC 161F-829) 011000R OFF1 + RSRM + 51.2
- IA613A1AEDC 161F-829) B/L OT + ASRM + PLUMES 51.2

MACH

- 1.100
- 1.100
- 1.100
- 1.100
- 1.100
- 1.100

IE-ABCX

- TOP
- TOP
- TOP
- TOP
- TOP
- TOP

IB-ELV

- 10.000
- 10.000
- 10.000
- 10.000
- 10.000
- 10.000

OS-ELV

- 9.000
- 9.000
- 9.000
- 9.000
- 9.000
- 9.000

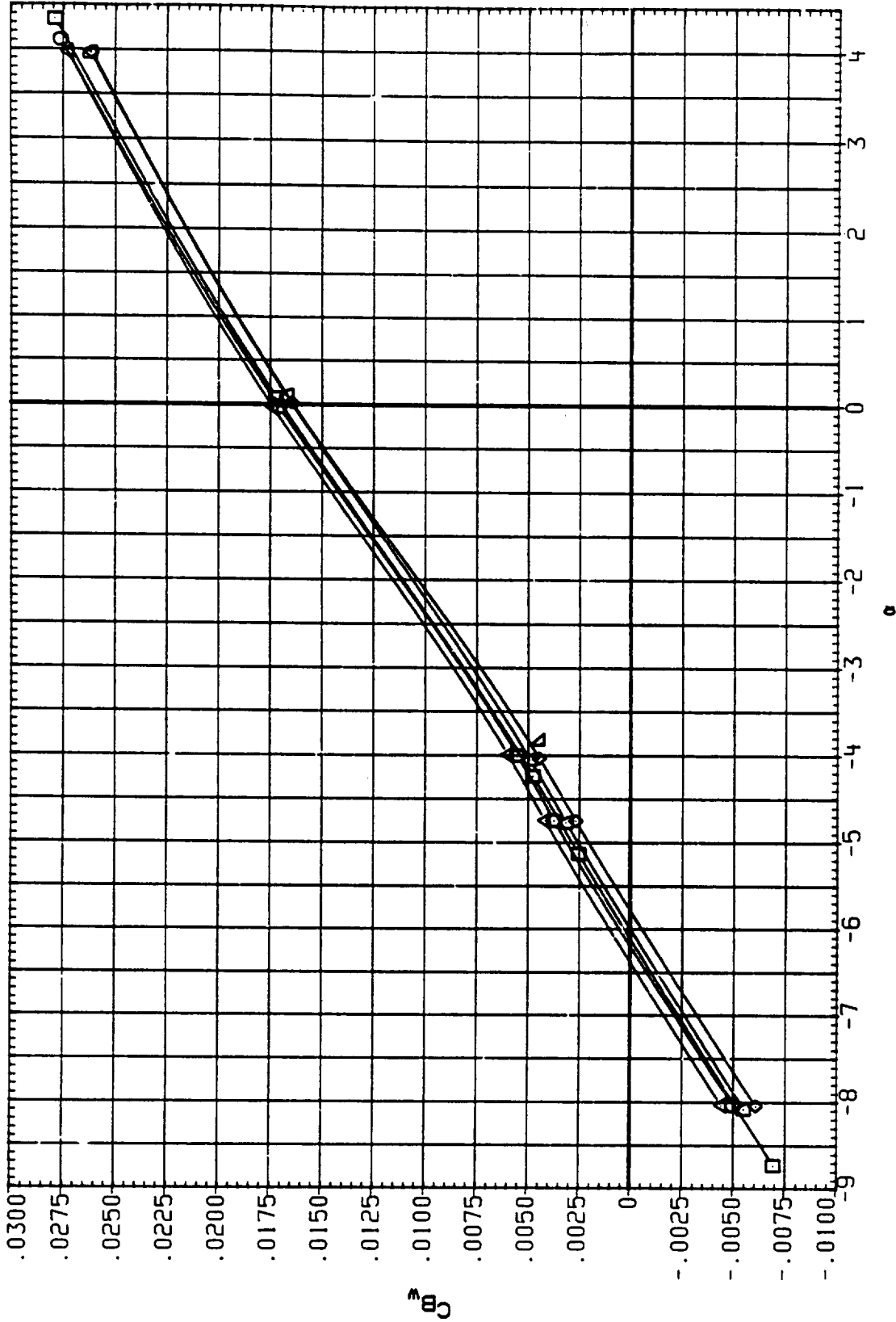


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LEASCX	LE-ELV	CS-ELV
SC0029	1A51ZAI AEDC 161F-829) B/L OT * RSRH, PLUMES OFF	1.100	TOP	10.000	9.000
SC0006	1A51ZAI AEDC 161F-829) OT1DOOR OFF)*RSRH, PLU. OFF	1.100	TOP	10.000	9.000
SC0034	1A51ZAI AEDC 161F-829) B/L OT * ASRH, PLUMES OFF	1.100	TOP	10.000	9.000
SC0020	1A51ZAI AEDC 161F-829) B/L OT * RSRH+PLUMES S1.2	1.100	TOP	10.000	9.000
YC0062	1A51ZAI AEDC 161F-829) OT1DOOR OFF)*RSRH * S1.2	1.100	TOP	10.000	5.000
SC0047	1A51ZAI AEDC 161F-829) B/L OT * ASRH+PLUMES S1.2	1.100	TOP	10.000	9.000

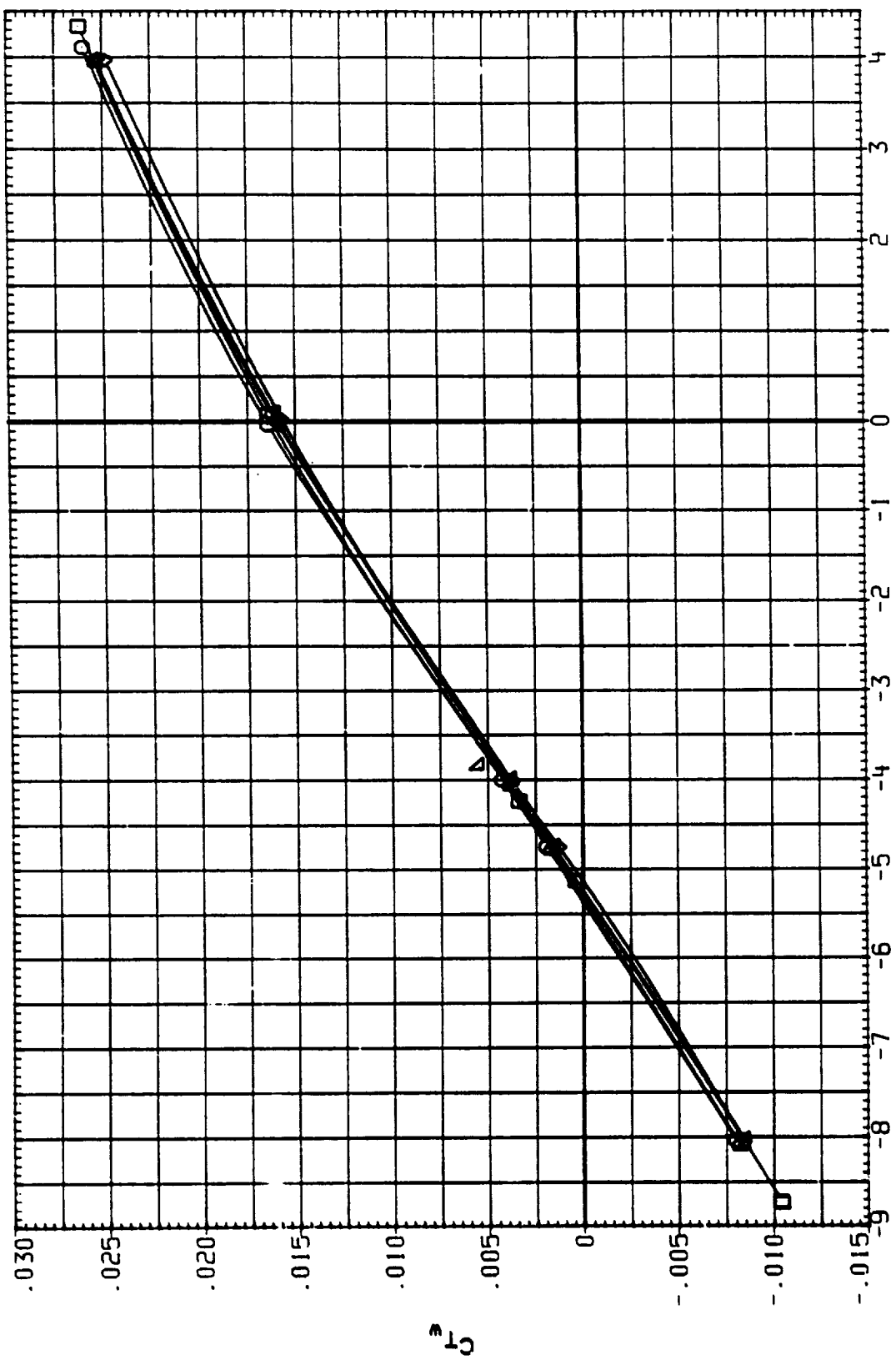


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

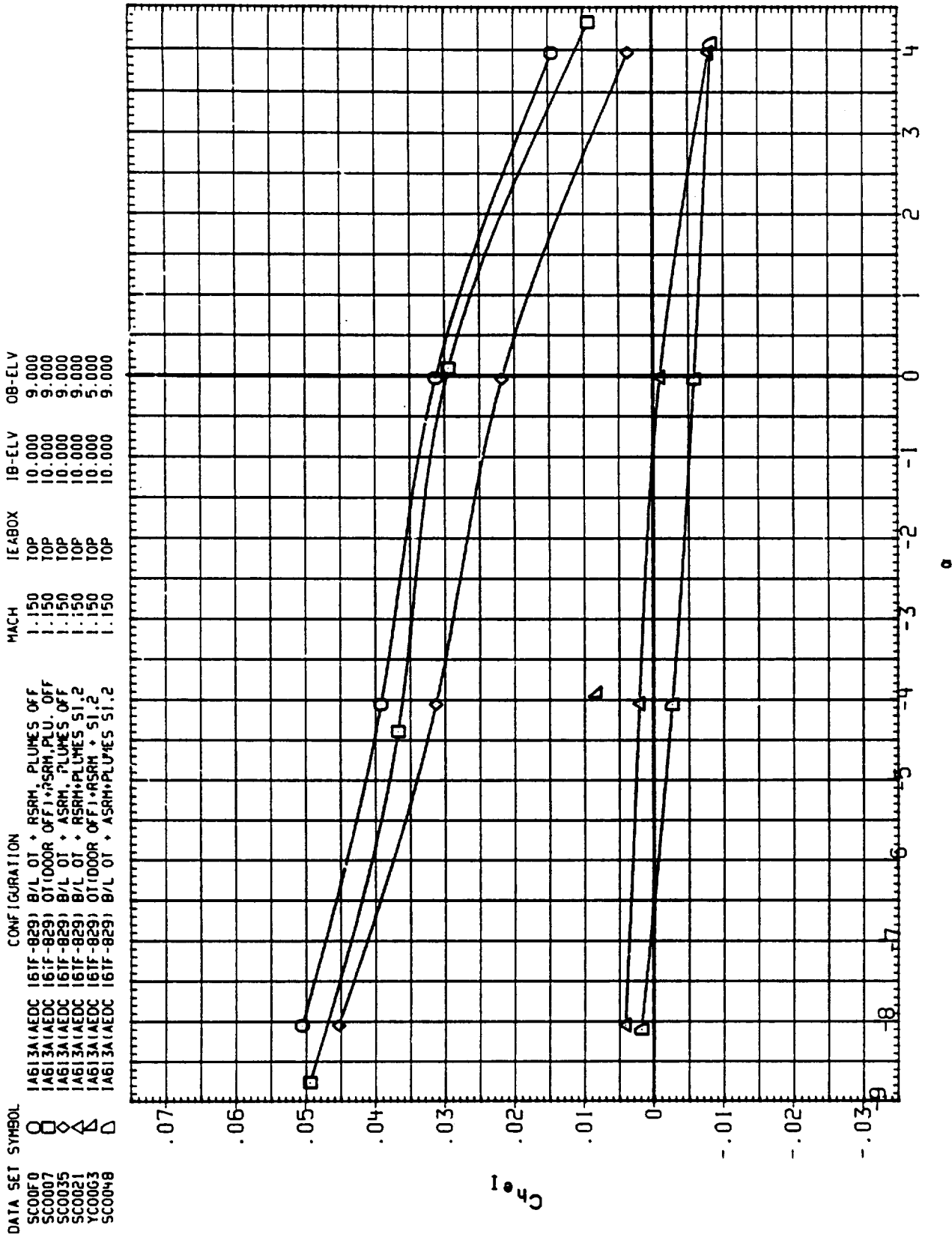


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LEADING	REYNOLDS	ITERATIONS
SC00F0	IAB13A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.150	TOP	10.000	9.000
SC0007	IAB13A1AEDC 16TF-829) OT(1000R OFF)+RSRM, PLU. OFF	1.150	TOP	10.000	9.000
SC0035	IAB13A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.150	TOP	10.000	9.000
SC0021	IAB13A1AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2	1.150	TOP	10.000	5.000
YC0063	IAB13A1AEDC 16TF-829) OT(1000R OFF)+RSRM + S1.2	1.150	TOP	10.000	9.000
SC0048	IAB13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	9.000

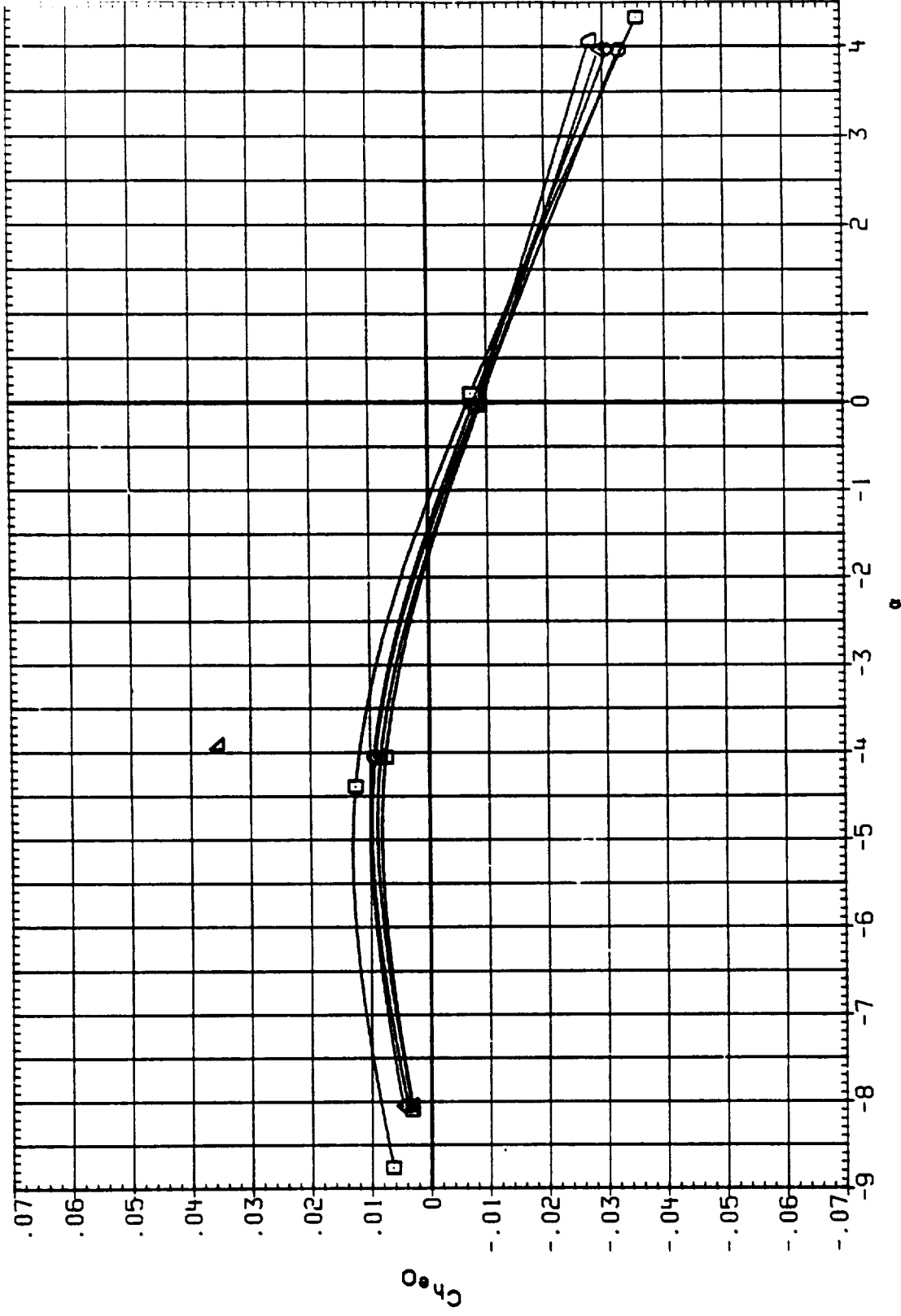


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

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DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IS-ELV	OS-ELV
SC00F0	□	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.150	TOP	10.000	9.000
SC0007	◇	IA613A(AEDC 161F-829) OT(1000R OFF)+RSRM, PLU. OFF	1.150	TOP	10.000	9.000
SC0025	◇	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.150	TOP	10.000	9.000
SC0021	△	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.150	TOP	10.000	9.000
YC0063	△	IA613A(AEDC 161F-829) OT(1000R OFF)+RSRM + S1.2	1.150	TOP	10.000	5.000
SC0048	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	9.000

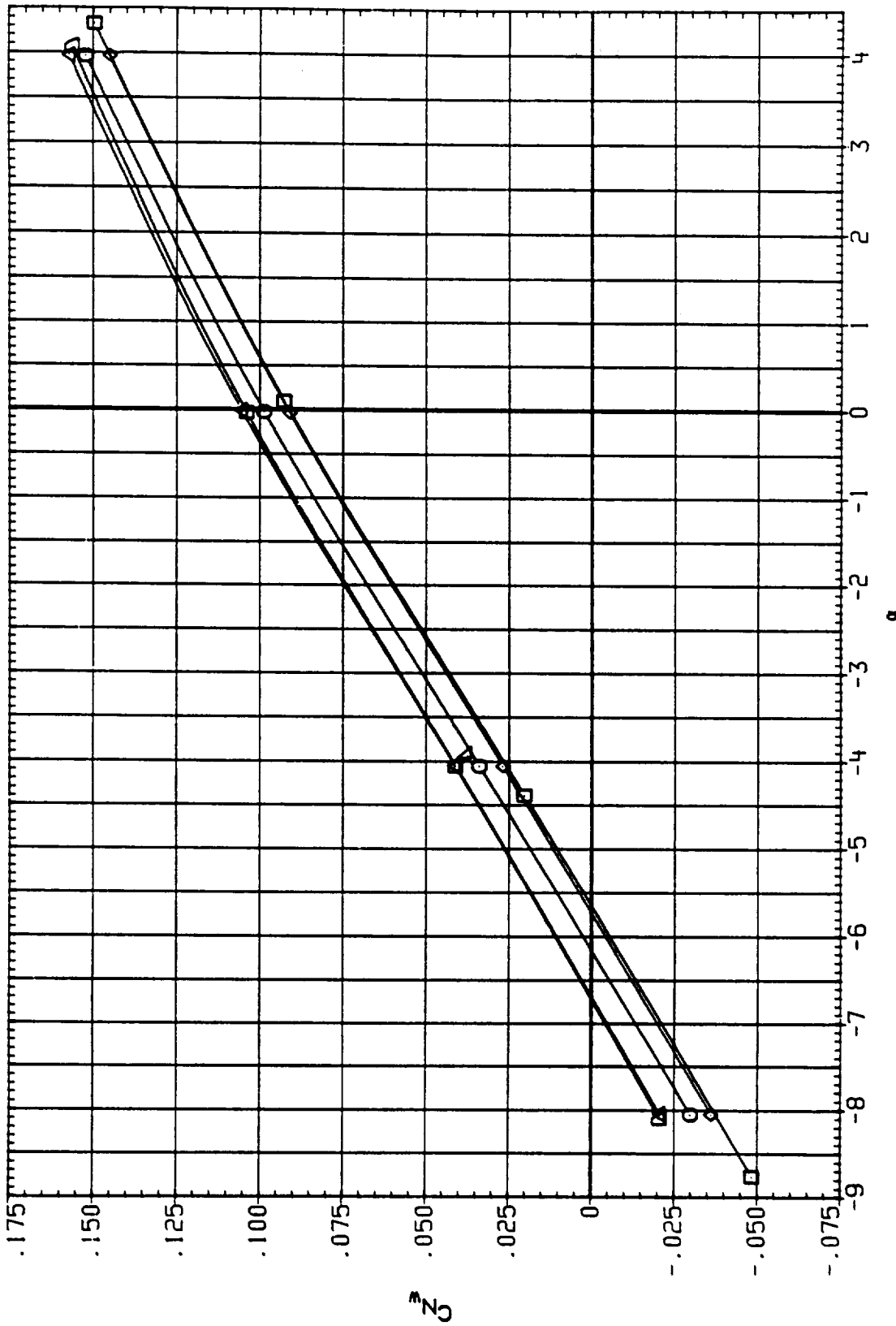


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

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DATA SET	SYMBOL	CONFIGURATION	MACH	HEADX	B-TLY	OB-TLY
SC00F0	□	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.150	TOP	10.000	9.000
SC0007	□	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM, PLU. OFF	1.150	TOP	10.000	9.000
SC0035	◇	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.150	TOP	10.000	9.000
SC0021	△	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.150	TOP	10.000	9.000
YC00G3	△	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM + S1.2	1.150	TOP	10.000	5.000
SC00V8	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	9.000

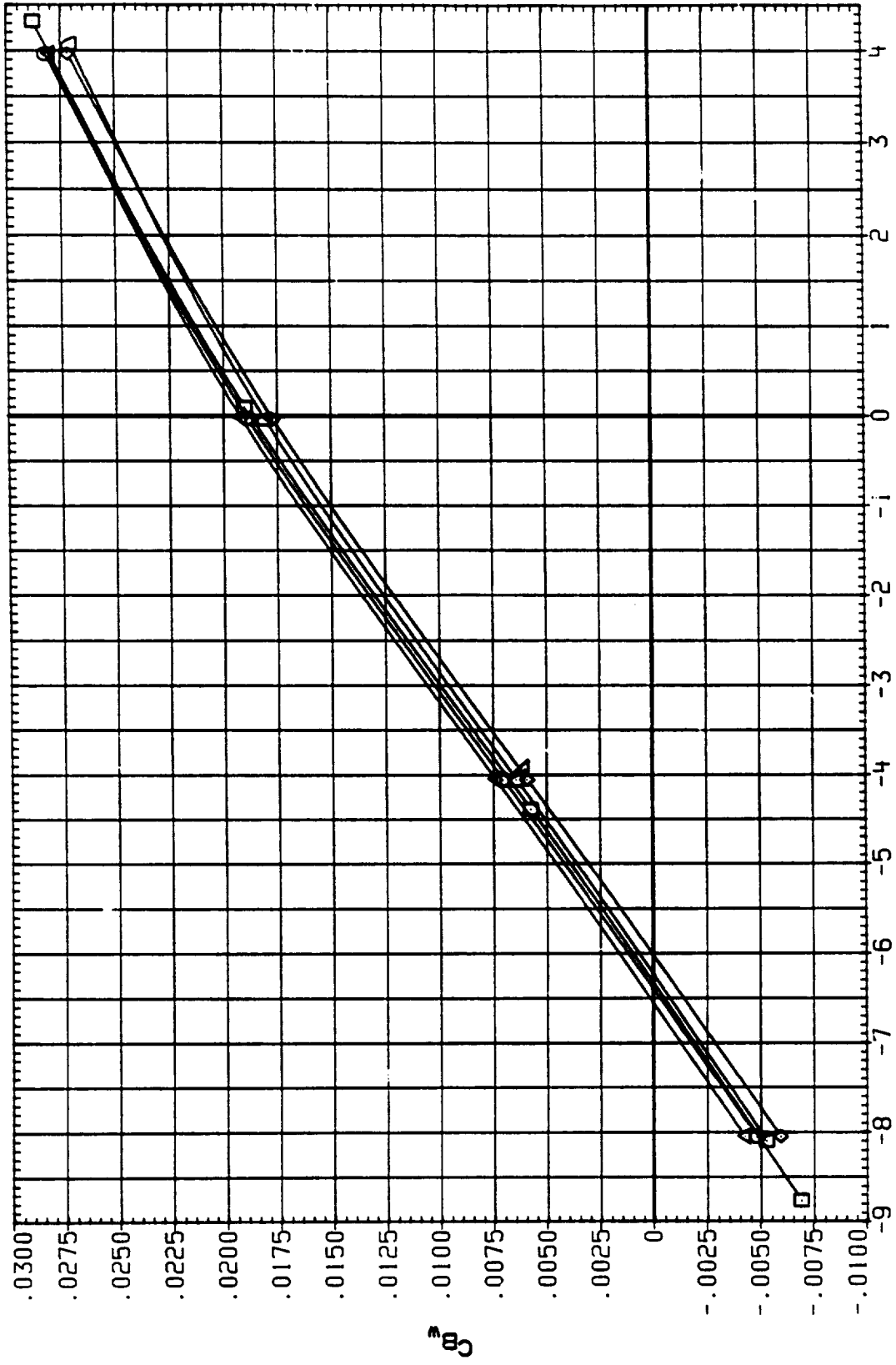


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	CE-ELV
SC00F0	IAB13A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.150	TOP	10.000	9.000
SC0007	IAB13A1AEDC 161F-829) OT1000R OFF1+RSRH, PLU. OFF	1.150	TOP	10.000	9.000
SC0035	IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.150	TOP	10.000	9.000
SC0021	IAB13A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.150	TOP	10.000	9.000
YC00G3	IAB13A1AEDC 161F-829) OT1000R OFF1+RSRM + S1.2	1.150	TOP	10.000	5.000
SC0048	IAB13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	9.000

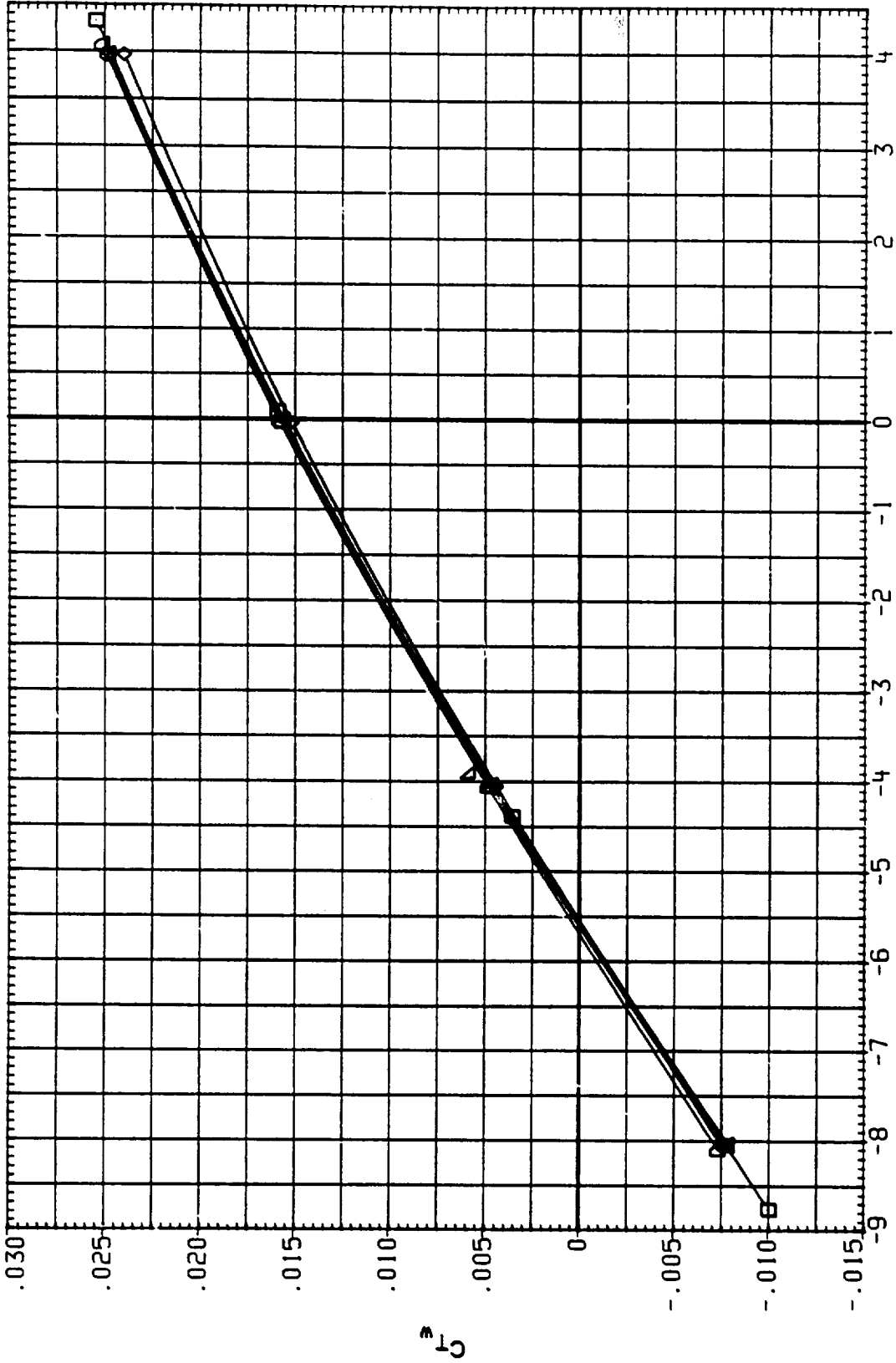


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

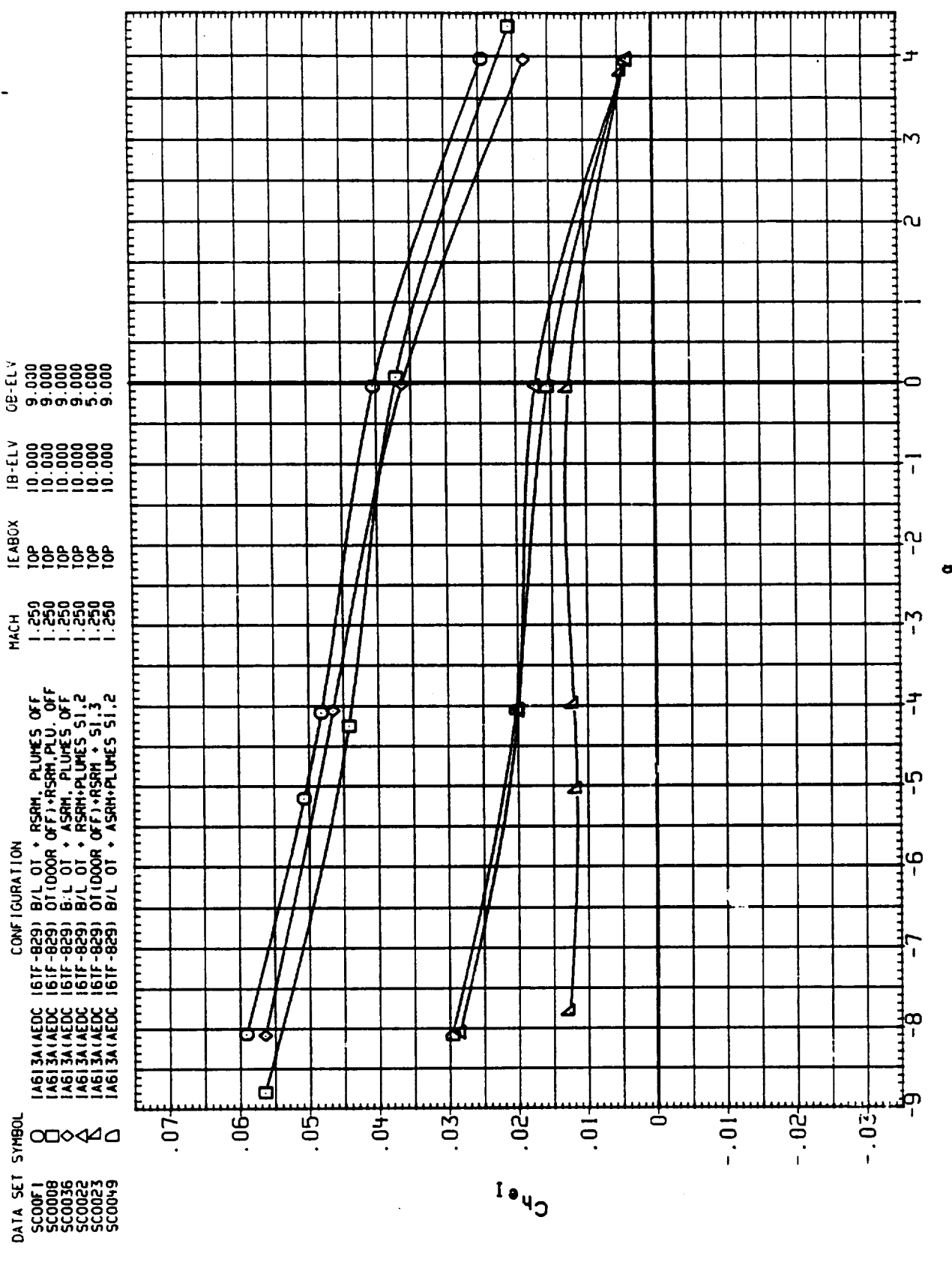


FIG. 2 EFFECT OF ASRM AND PLUMES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	iE-BOX	iB-ELV	OB-ELV
SC00F1	IAG13A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.250	TOP	10.000	9.000
SC0008	IAG13A1AEDC 16TF-829) OT(DOOR OFF)+RSRM, PLU. OFF	1.250	TOP	10.000	9.000
SC0036	IAG13A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.250	TOP	10.000	9.000
SC0022	IAG13A1AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2	1.250	TOP	10.000	9.000
SC0023	IAG13A1AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.3	1.250	TOP	10.000	5.000
SC0049	IAG13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.250	TOP	10.000	9.000

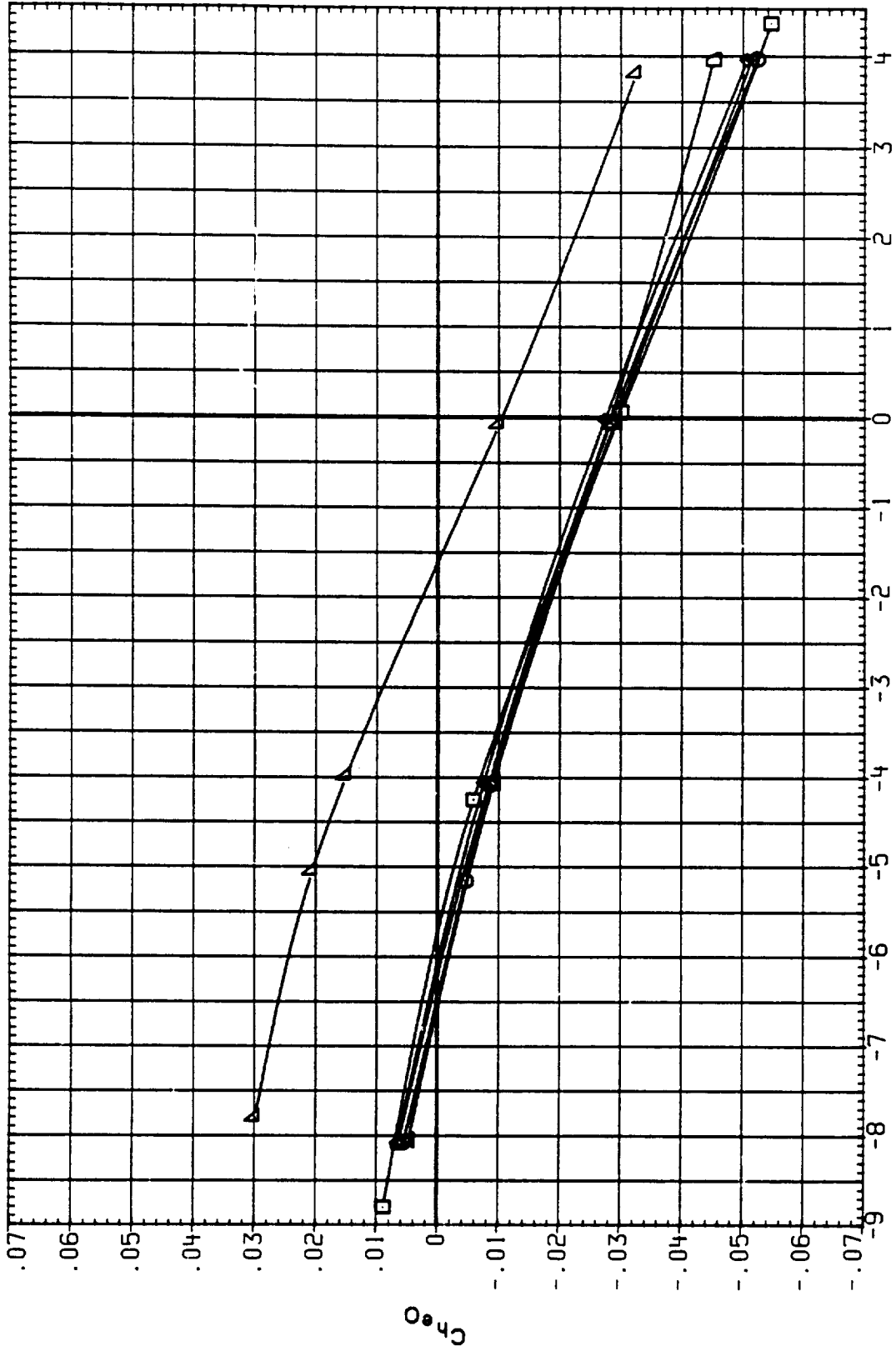
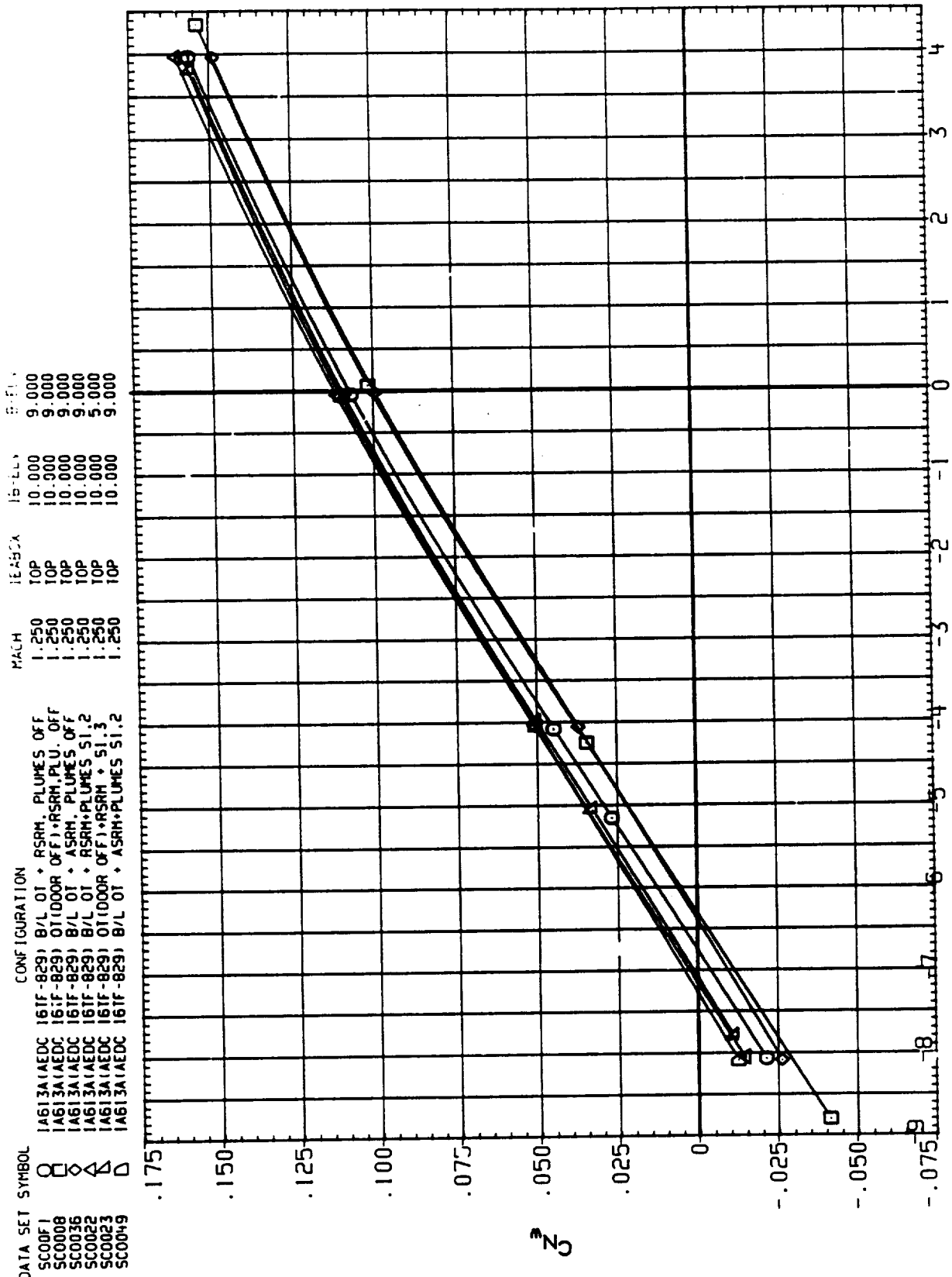


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00



DATA SET SYMBOL	CONFIGURATION	MACH	IEASCA	IESELY	IESELY
SC00F1	IAG13A1AEDC 161F-829) B/L OT + PSRM, PLUMES OFF	1.250	TOP	10.000	9.000
SC0008	IAG13A1AEDC 161F-829) OT(1000R OFF)+PSRM, PLU. OFF	1.250	TOP	10.000	9.000
SC0036	IAG13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	TOP	10.000	9.000
SC0022	IAG13A1AEDC 161F-829) B/L OT + PSRM+PLUMES S1.2	1.250	TOP	10.000	9.000
SC0023	IAG13A1AEDC 161F-829) OT(1000R OFF)+PSRM + S1.3	1.250	TOP	10.000	5.000
SC0049	IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.250	TOP	10.000	9.000

FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

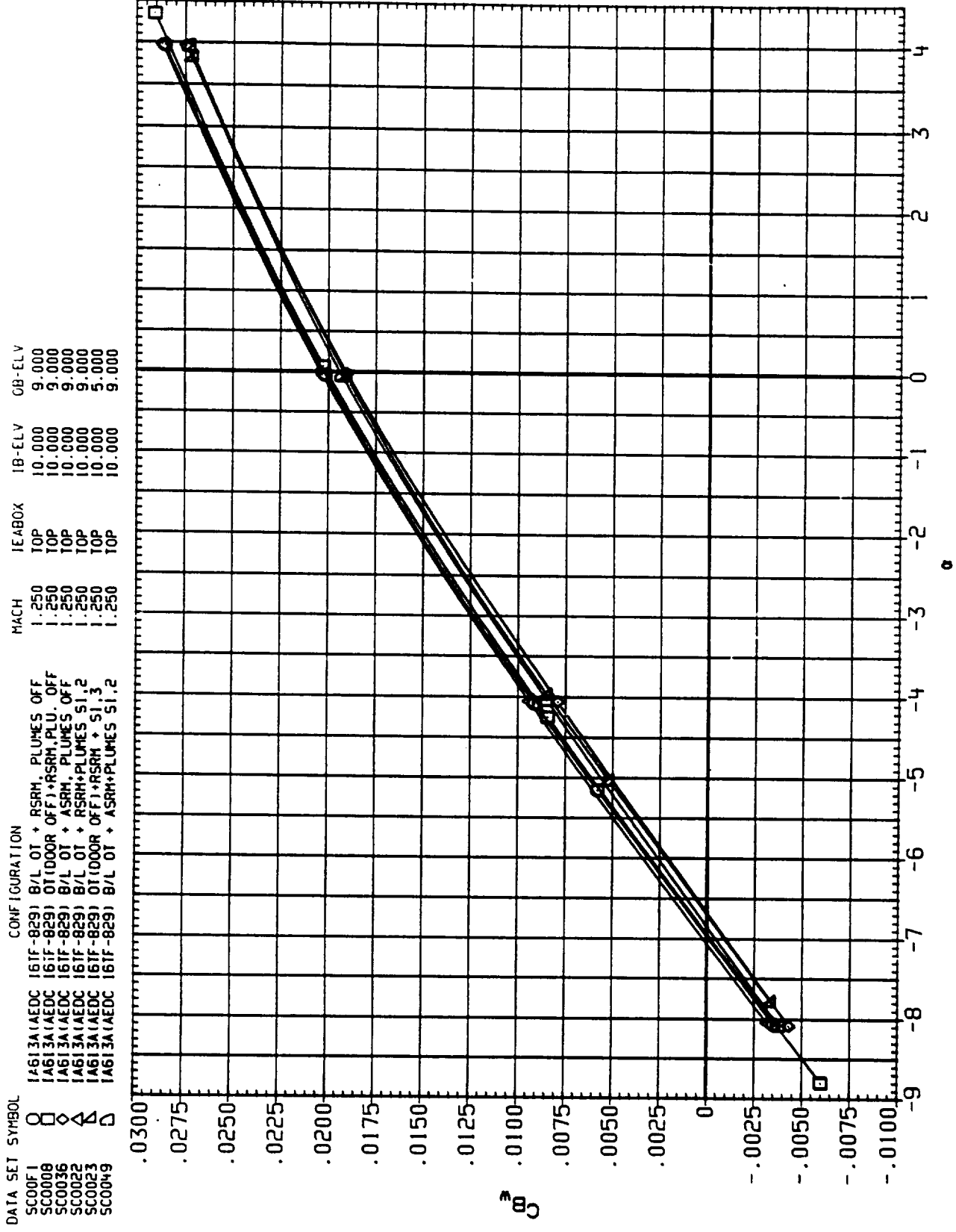


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	WING	LEVEL	SCALE
SC00F1	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.250	TOP	9.000
SC0008	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM, PLU. OFF	1.250	TOP	9.000
SC0036	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	TOP	9.000
SC0022	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.250	TOP	5.000
SC0023	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM + S1.3	1.250	TOP	5.000
SC0049	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.250	TOP	9.000

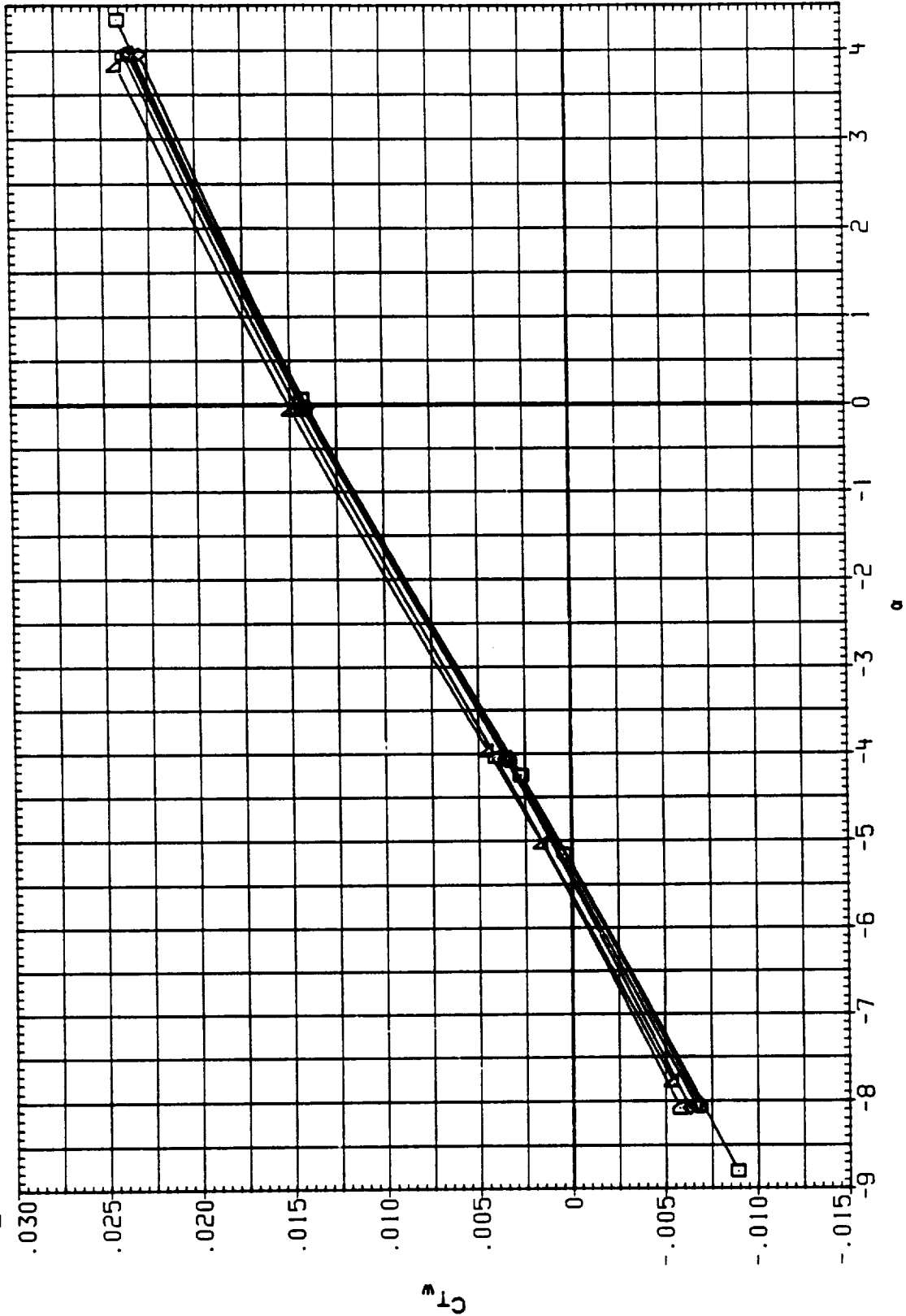


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

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DATA SET SYMBOL

CONFIGURATION

DATA SET SYMBOL	CONFIGURATION	WING	WING TIP	WING TIP
SC0010	IA613A(AEDC 161F-829) OT(000R OFF)+RSRM,PLU. OFF	1.300	TOP	5.000
SC0038	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.300	TOP	5.000
SC0046	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.300	TOP	9.000
SC0024	IA613A(AEDC 161F-829) OT(000R OFF)+RSRM + S1.3	1.300	TOP	5.000
SC0054	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.300	TOP	5.000

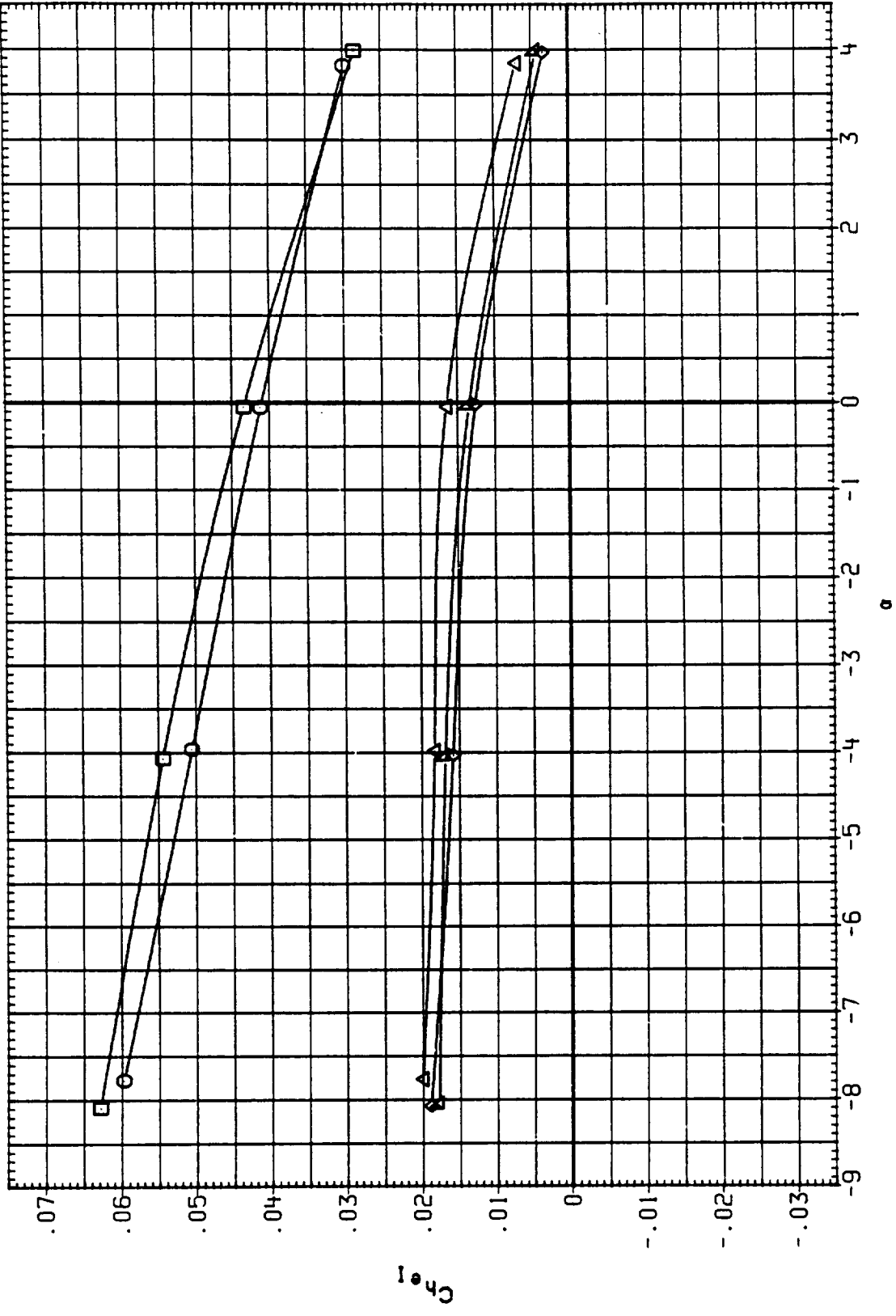


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

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DATA SET	SYMBOL	CONFIGURATION	WING	LEADING	RE. LEAD	RE. LEAD
SC0010	○	1A613A(AEDC 161F-829) OT(000R OFF)+RSRM, PLU. OFF	1.300	TOP	10.000	5.000
SC0036	□	1A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.300	TOP	10.000	5.000
SC0046	◇	1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES ST.2	1.300	TOP	10.000	5.000
SC0024	△	1A613A(AEDC 161F-829) OT(000R OFF)+RSRM + ST.3	1.300	TOP	10.000	5.000
SC0054	▽	1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES ST.3	1.300	TOP	10.000	5.000

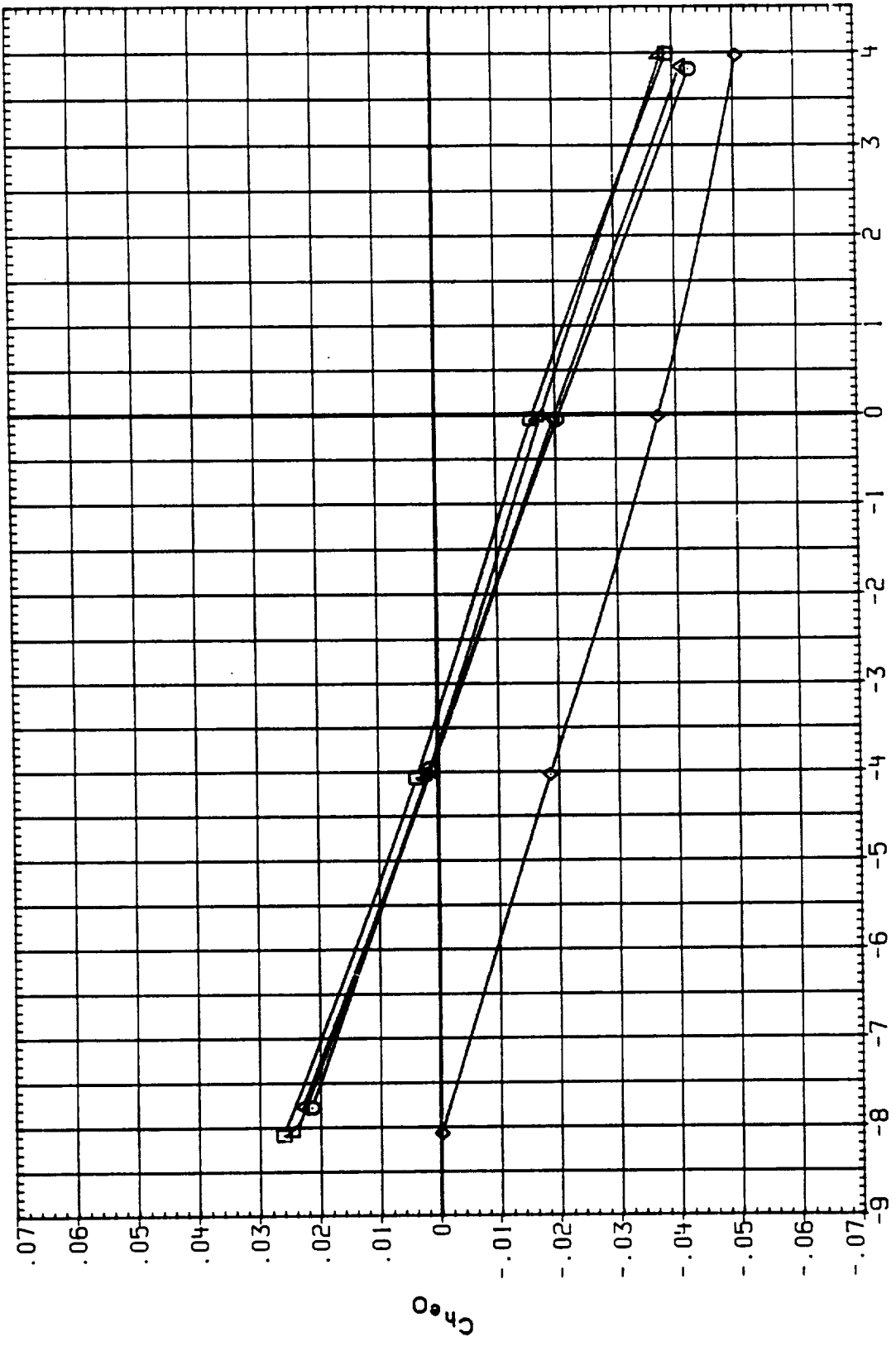


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	REASON	RELEV	RELEV
SC0010	○	IA613A1AEDC 16TF-829) OT(1000R OFF) +RSRM+PLU OFF	1.300	TOP	10.000	5.000
SC0038	□	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.300	TOP	10.000	5.000
SC00H6	◇	IA613A1AEDC 16TF-829) B/L OT + RSRM+PLUMES SI.2	1.300	TOP	10.000	9.000
SC0024	△	IA613A1AEDC 16TF-829) OT(1000R OFF) +RSRM + SI.3	1.300	TOP	10.000	5.000
SC0054	▽	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES SI.3	1.300	TOP	10.000	5.000

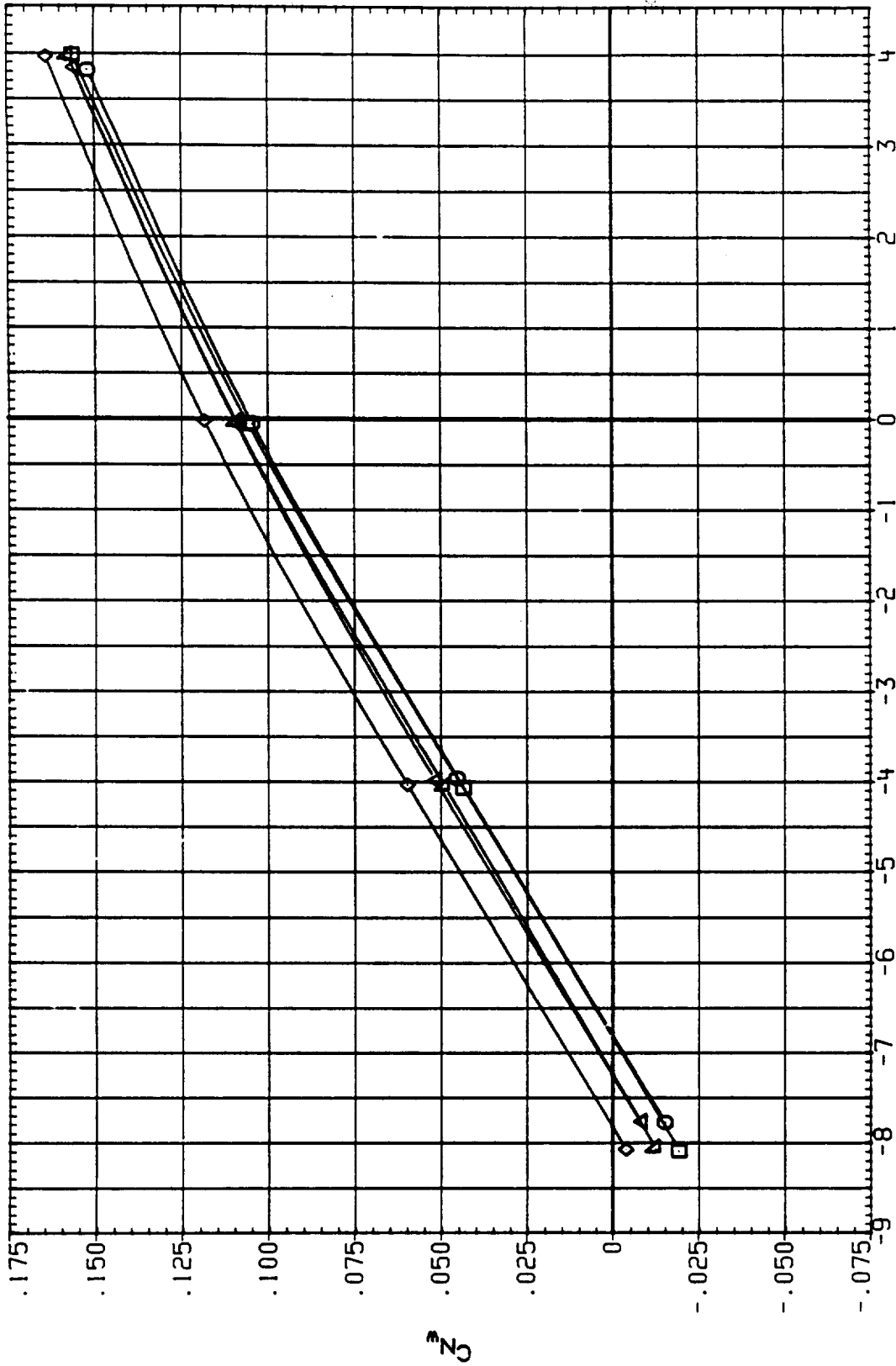


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

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OF POOR QUALITY

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0010	1A613A1AEDC 16TF-829) 01(DOOR OFF)+RSRM, PLU. OFF	1.300	TOP	10.000	5.000
SC0038	1A613A1AEDC 16TF-829) B/L 01 + ASRM, PLUMES OFF	1.300	TOP	10.000	5.000
SC0046	1A613A1AEDC 16TF-829) B/L 01 + RSRM+PLUMES S1,2	1.300	TOP	10.000	9.000
SC0024	1A613A1AEDC 16TF-829) 01(DOOR OFF)+RSRM + S1,3	1.300	TOP	10.000	5.000
SC0054	1A613A1AEDC 16TF-829) B/L 01 + ASRM+PLUMES S1,3	1.300	TOP	10.000	5.000

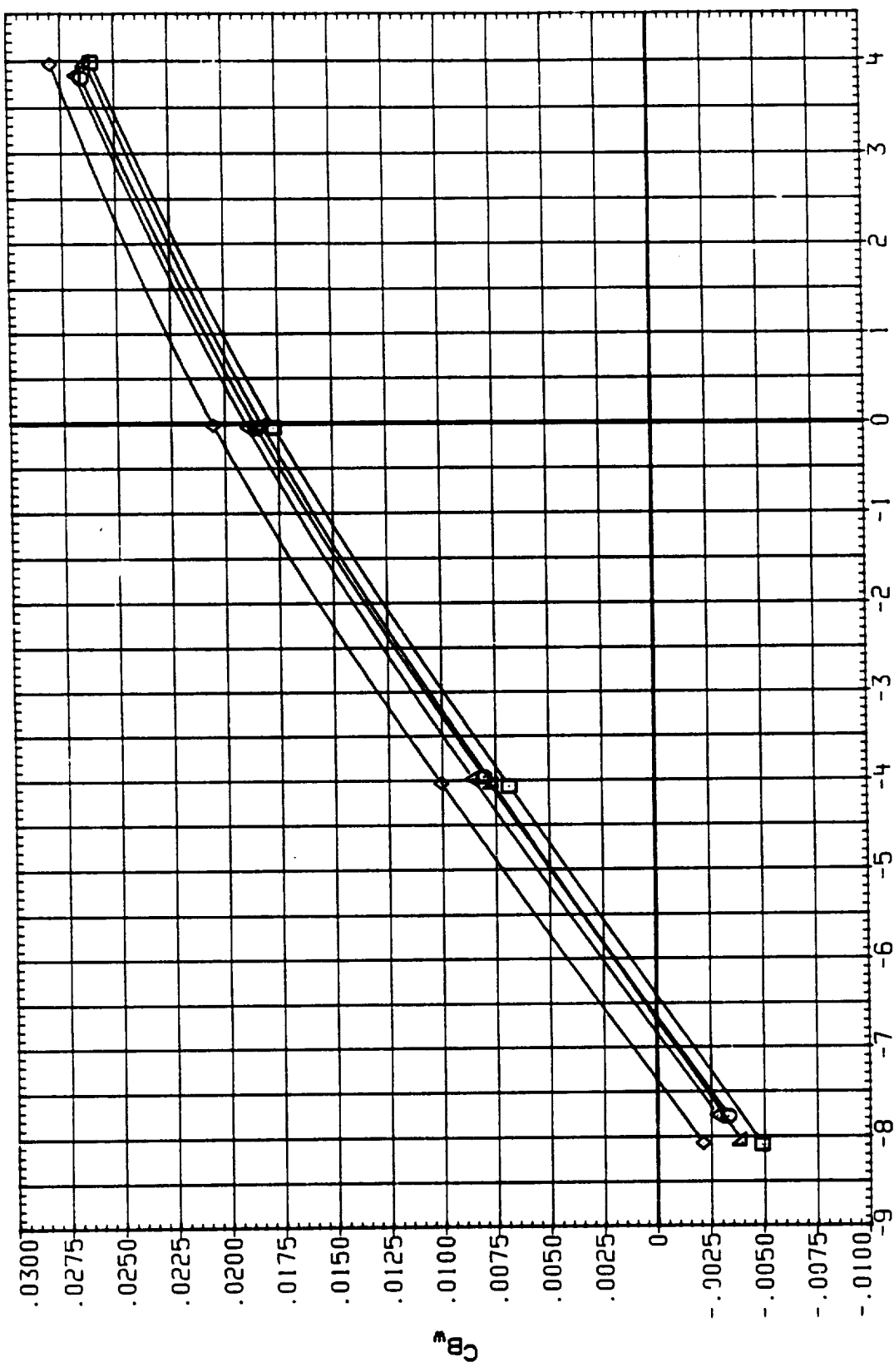


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0010	I A613A1AEDC 161F-829) 0T(1000R OFF) + RSRM, PLU. OFF	1.300	TOP	10.000	5.000
SC0038	I A613A1AEDC 161F-829) P/L 0T + ASRM, PLUMES OFF	1.300	TOP	10.000	5.000
SC0046	I A613A1AEDC 161F-829) B/L 0T + ASRM, PLUMES S1.2	1.300	TOP	10.000	9.000
SC0024	I A613A1AEDC 161F-829) 0T(1000R OFF) + RSRM + S1.3	1.300	TOP	10.000	5.000
SC0054	I A613A1AEDC 161F-829) B/L 0T + ASRM + PLUMES S1.3	1.300	TOP	10.000	5.000

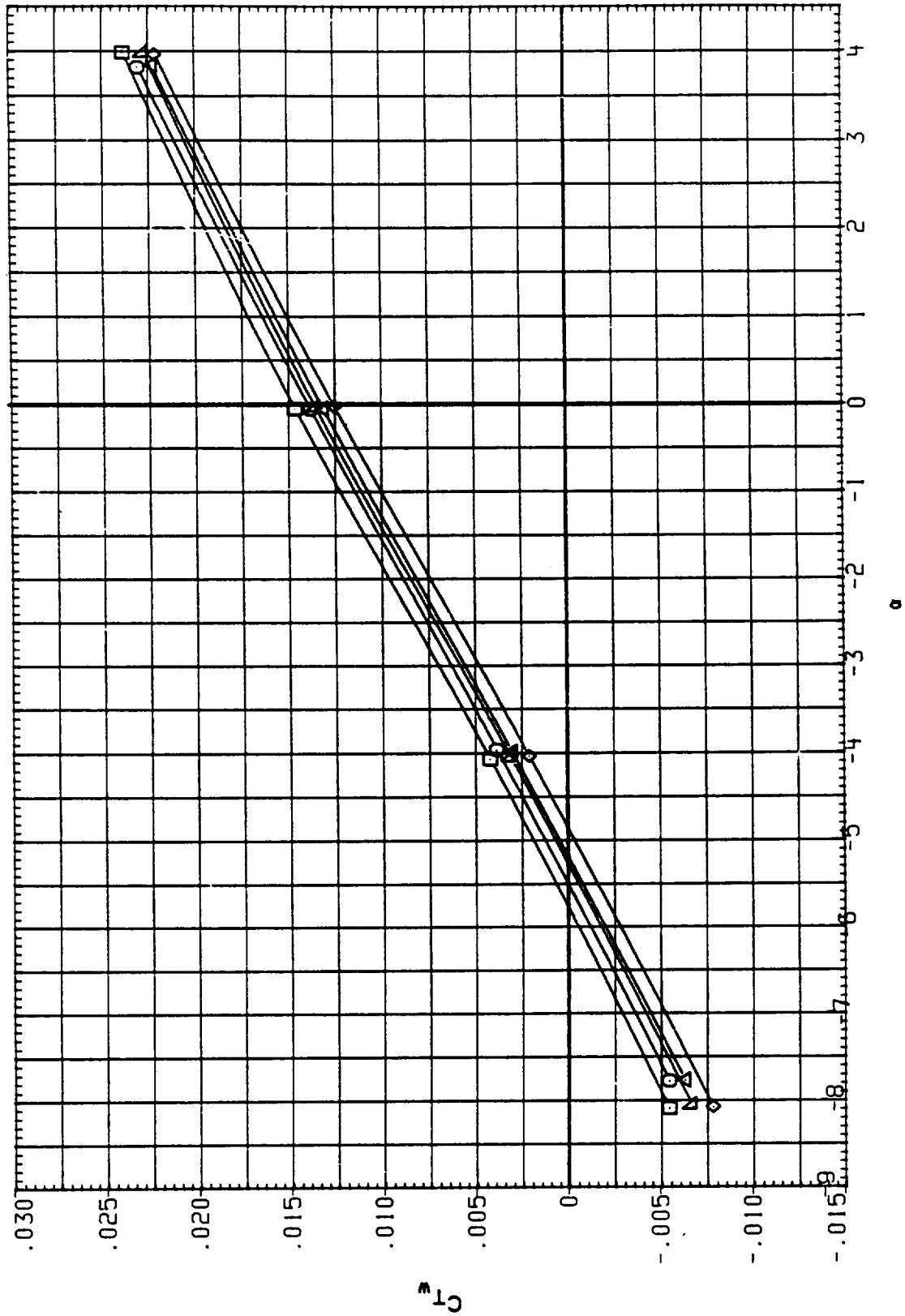


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL

DATA SET SYMBOL	CONFIGURATION	MACH	IEAROX	IB-ELV	CB-ELV
SC00F2	I A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.350	TOP	10.000	9.000
SC0011	I A613A1AEDC 161F-829) OT(DOOR OFF)+RSRM, PLU. OFF	1.350	TOP	10.000	5.000
SC0039	I A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.350	TOP	10.000	5.000
SC00H7	I A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES S1,2	1.350	TOP	10.000	9.000
SC00Z5	I A613A1AEDC 161F-829) OT(DOOR OFF)+RSRM + S1,3	1.350	TOP	10.000	5.000
SC0055	I A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1,3	1.350	TOP	10.000	5.000

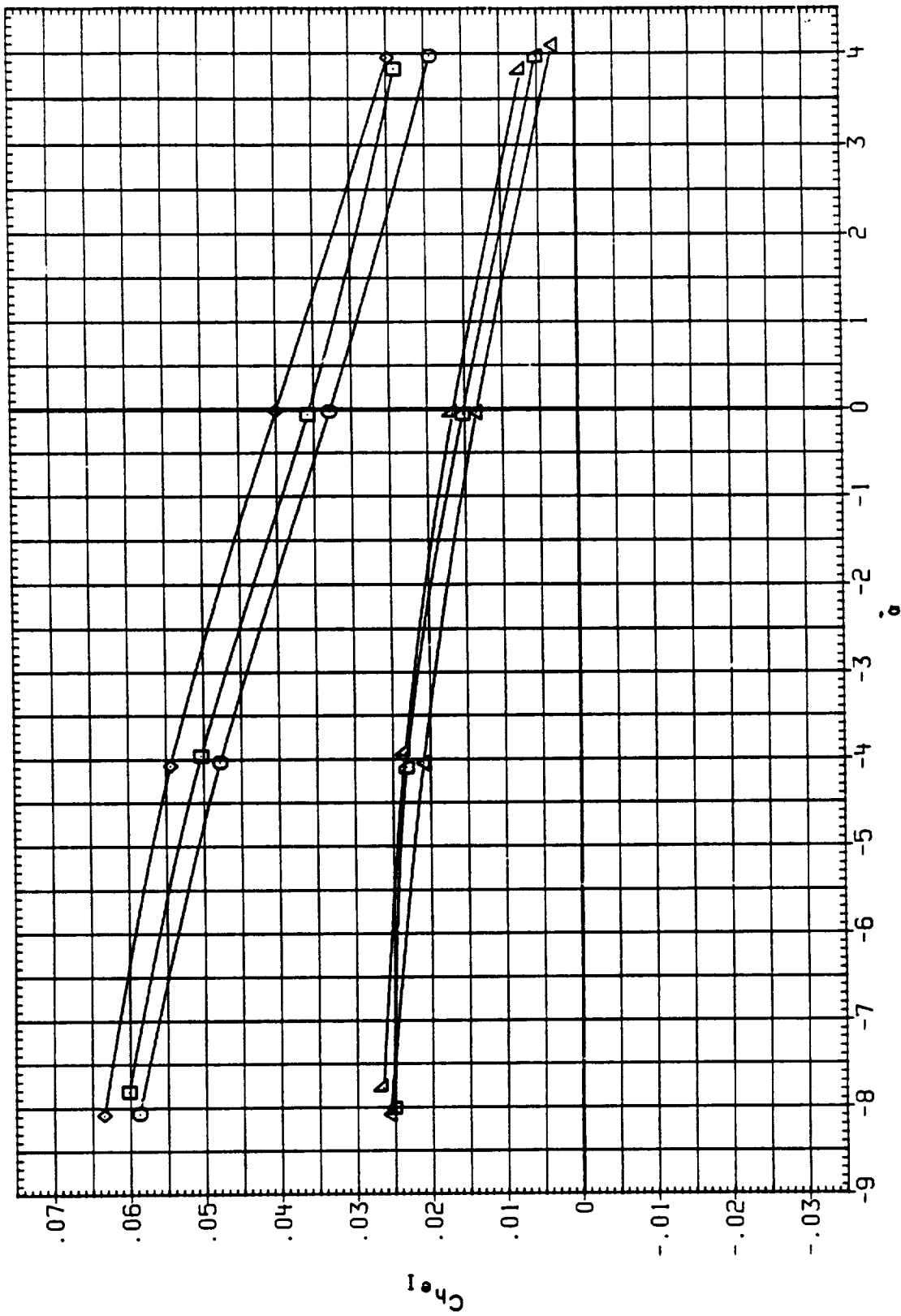


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC00F2	IAG13A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.350	TOP	10.000	9.000
SC00I1	IAG13A(AEDC 16TF-829) OT(000R OFF)+RSRM,PLU. OFF	1.350	TOP	10.000	5.000
SC00J9	IAG13A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.350	TOP	10.000	5.000
SC00H7	IAG13A(AEDC 16TF-823) OT(000R OFF)+RSRM + S1.2	1.350	TOP	10.000	9.000
SC00Z5	IAG13A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.350	TOP	10.000	5.000
SC00S5	IAG13A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.350	TOP	10.000	5.000

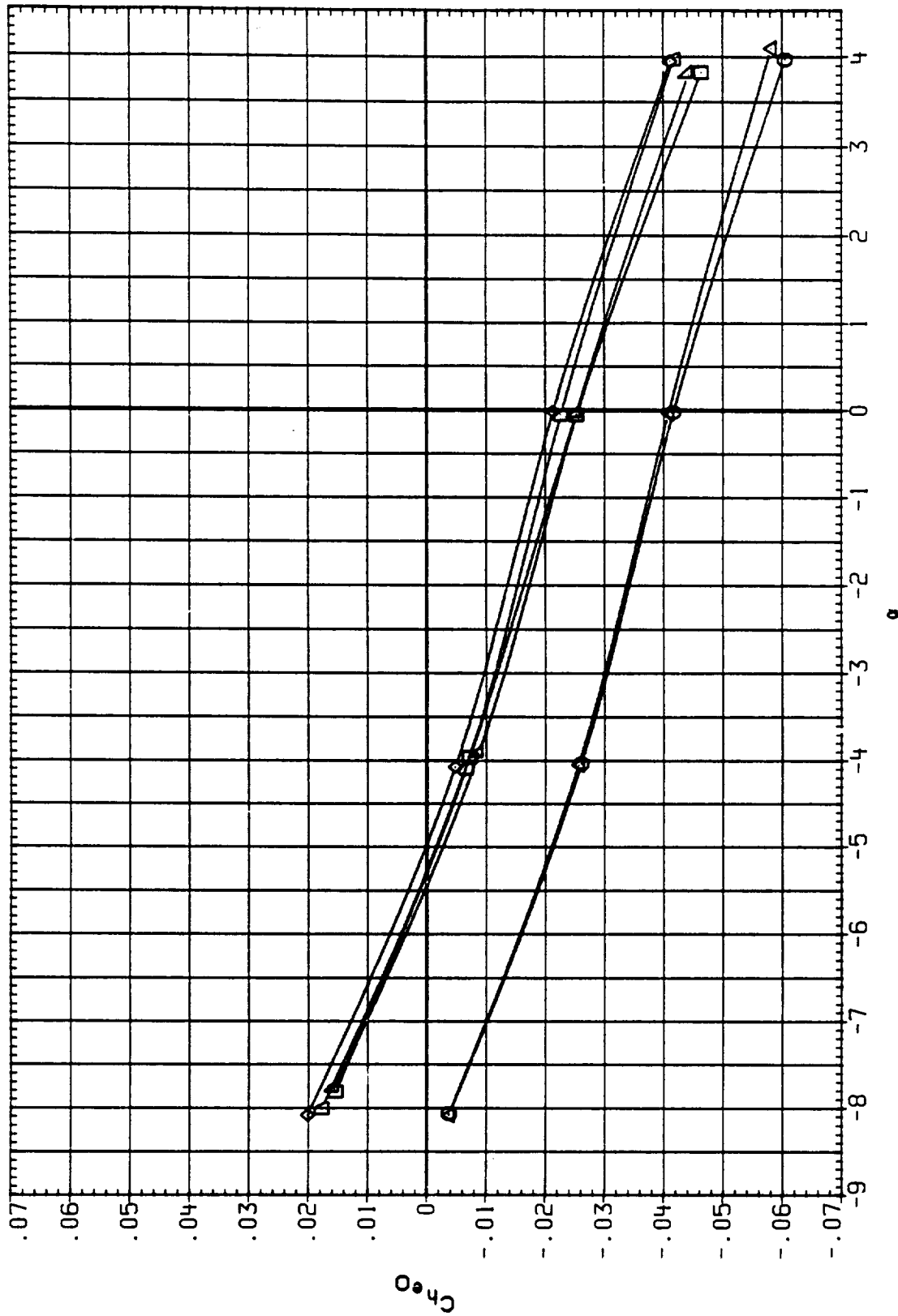


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	CB-ELV
SC00F2	I A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.350	TOP	10.000	9.000
SC00I1	I A613A(AEDC 161F-829) OT(000R OFF)+ASRM, PLU. OFF	1.350	TOP	10.000	5.000
SC00J9	I A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.350	TOP	10.000	5.000
SC00H7	I A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.350	TOP	10.000	9.000
SC00R5	I A613A(AEDC 161F-829) OT(000R OFF)+ASRM + S1.3	1.350	TOP	10.000	5.000
SC00S5	I A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.350	TOP	10.000	5.000

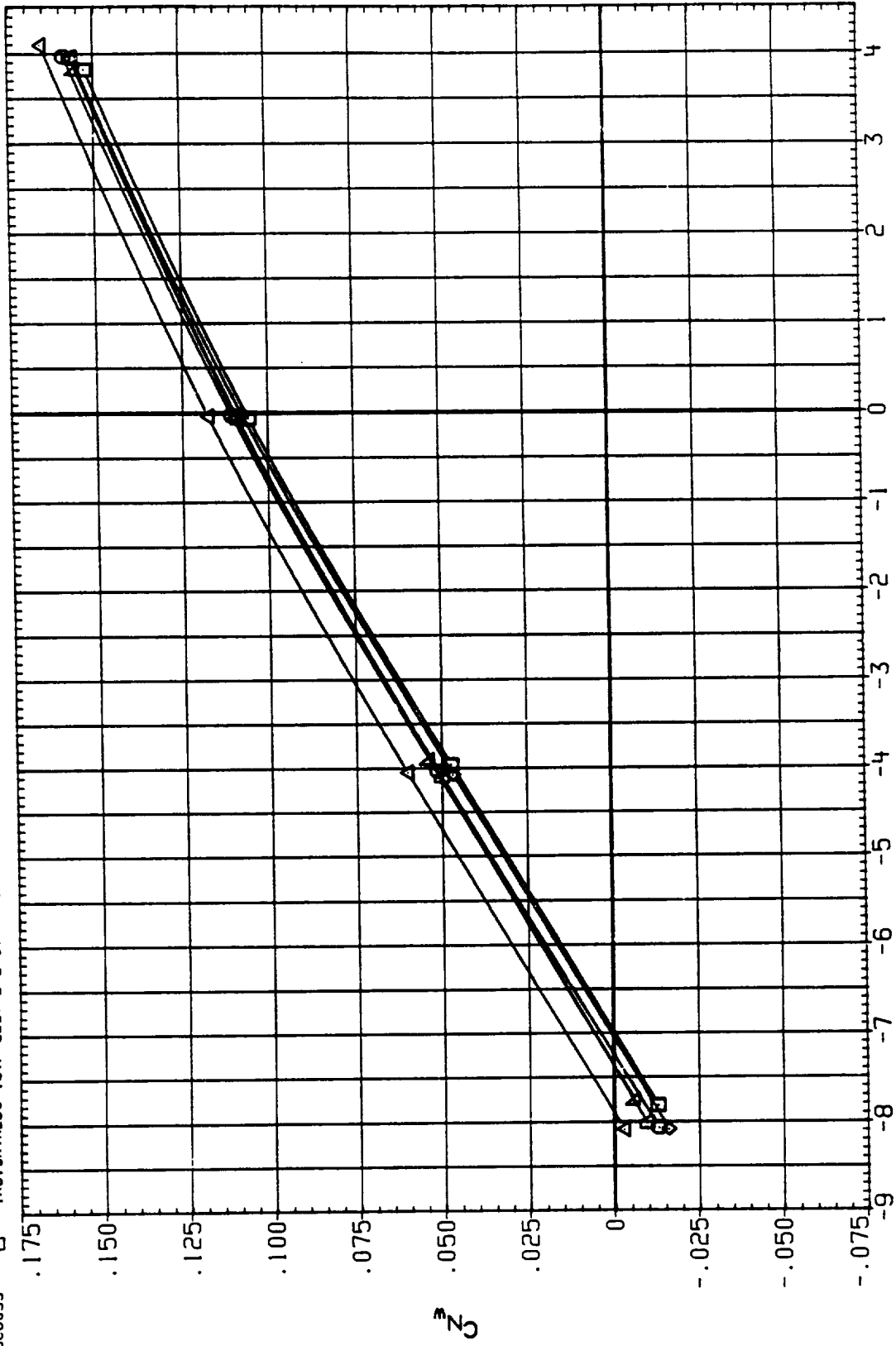


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-ABOX	IB-ELV	OB-ELV
SC00F2	IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.350	TOP	10.000	9.000
SC0011	IA613A1AEDC 161F-829) OT(DOOR OFF)+RSRM, PLU. OFF	1.350	TOP	10.000	5.000
SC0039	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.350	TOP	10.000	5.000
SC00H7	IA613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1,2	1.350	TOP	10.000	9.000
SC0025	IA613A1AEDC 161F-829) OT(DOOR OFF)+RSRM + S1,3	1.350	TOP	10.000	5.000
SC0055	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1,3	1.350	TOP	10.000	5.000

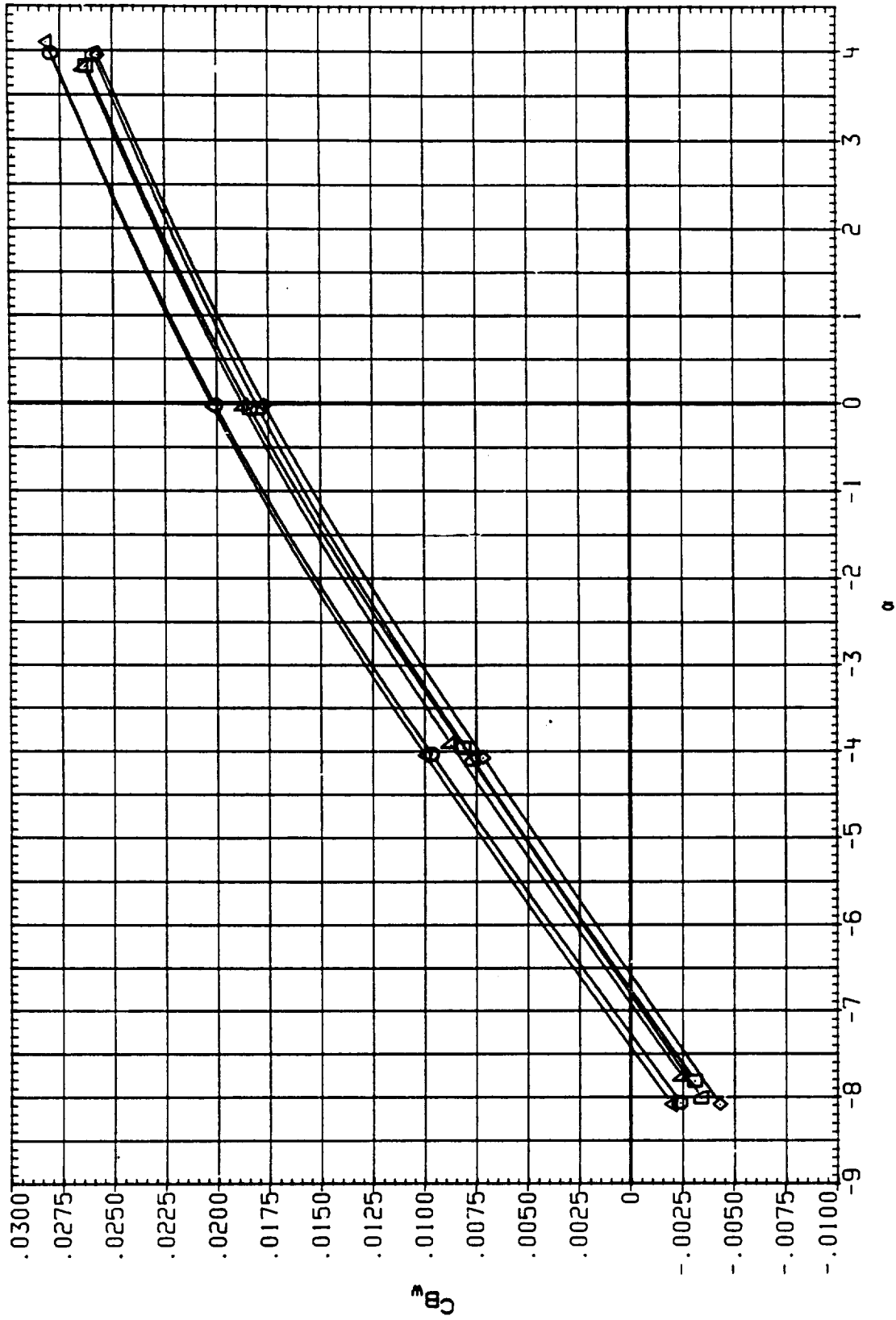


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

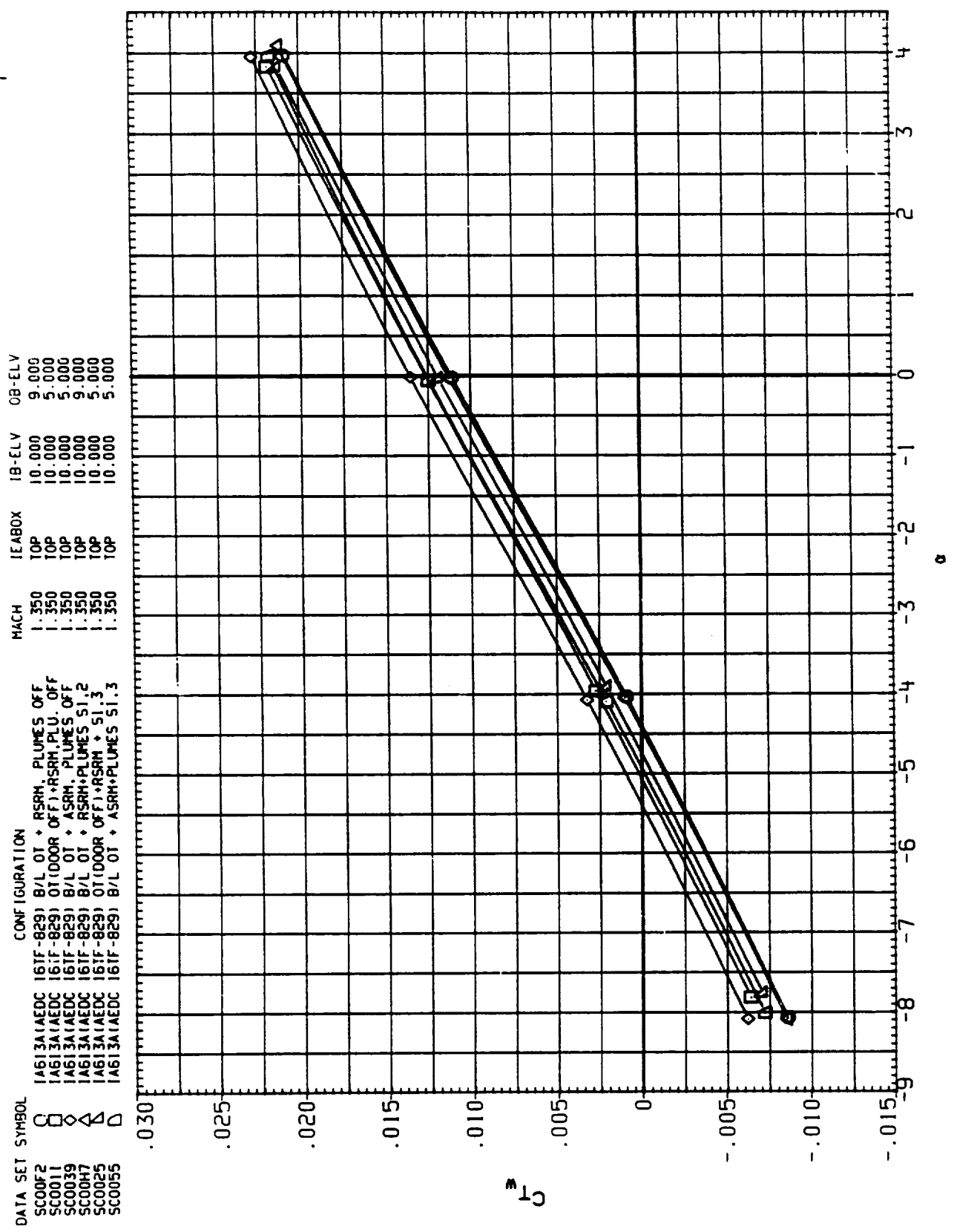


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYM50L

DATA SET	SYM50L	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC00F3	○	IAG13A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.400	TOP	10.000	9.000
SC0012	□	IAG13A1AEDC 161F-829) OT(1000R OFF)+RSRM, PLU. OFF	1.400	TOP	10.000	5.000
SC0040	◇	IAG13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.400	TOP	10.000	5.000
SC00H8	△	IAG13A1AEDC 161F-829) B/L OT + RSR-1+PLUMES S1.2	1.400	TOP	10.000	9.000
YC0026	△	IAG13A1AEDC 161F-829) OT(1000R OFF)+RSRM + S1.3	1.400	TOP	10.000	5.000
SC0056	◇	IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	TOP	10.000	5.000

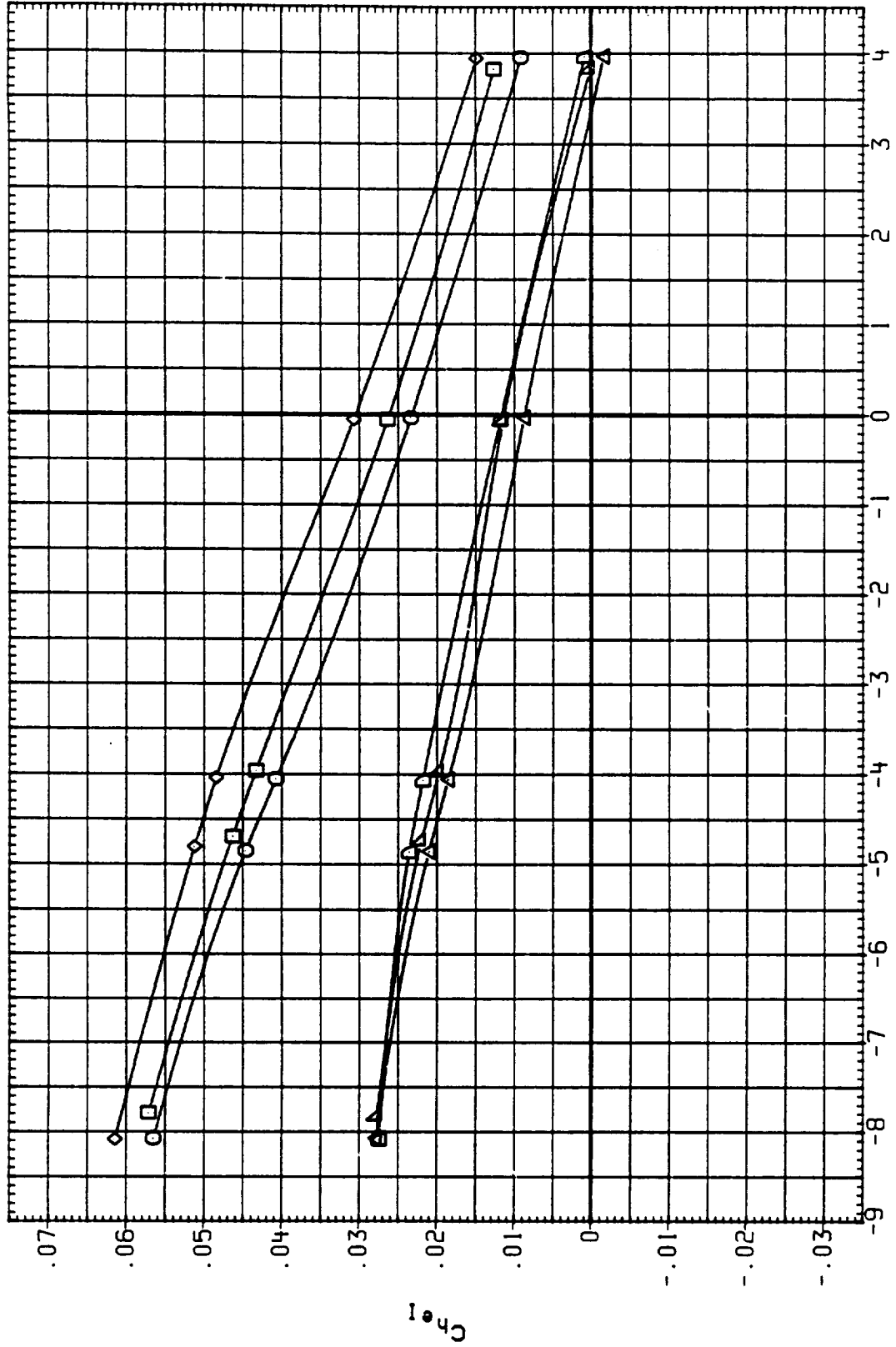


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

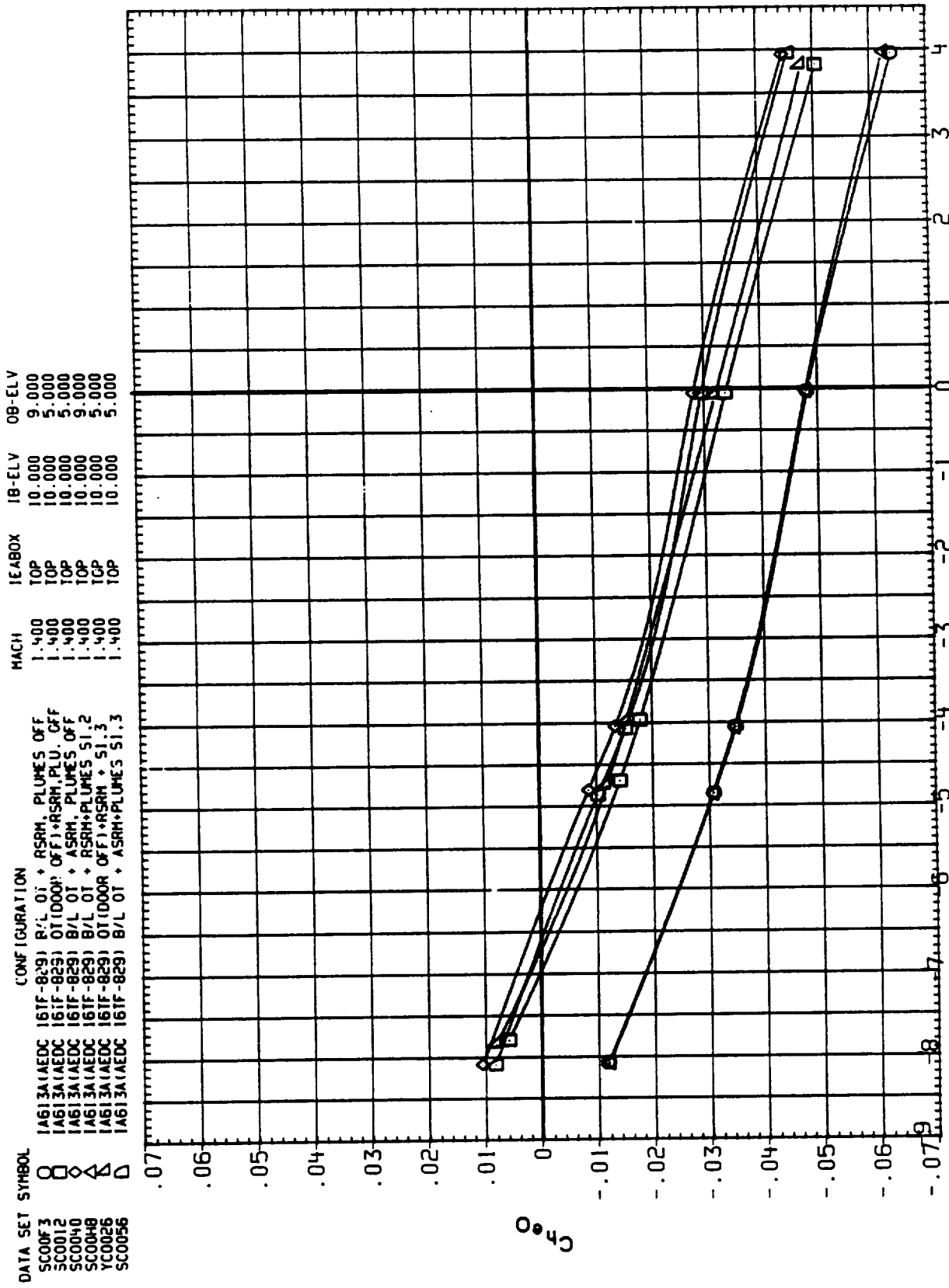


FIG. 2 EFFECT OF ASRM AND PLUMES ON WING LOADS (A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC00F3	IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.400	TOP	10.000	9.000
SC0012	IA613A(AEDC 16TF-829) OT(000R OFF)+RSRM, PLU. OFF	1.400	TOP	10.000	5.000
SC0040	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.400	TOP	10.000	5.000
SC00H9	IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2	1.400	TOP	10.000	9.000
YC0026	IA613A(AEDC 16TF-829) OT(000R OFF)+RSRM + S1.3	1.400	TOP	10.000	5.000
SC0056	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.400	TOP	10.000	5.000

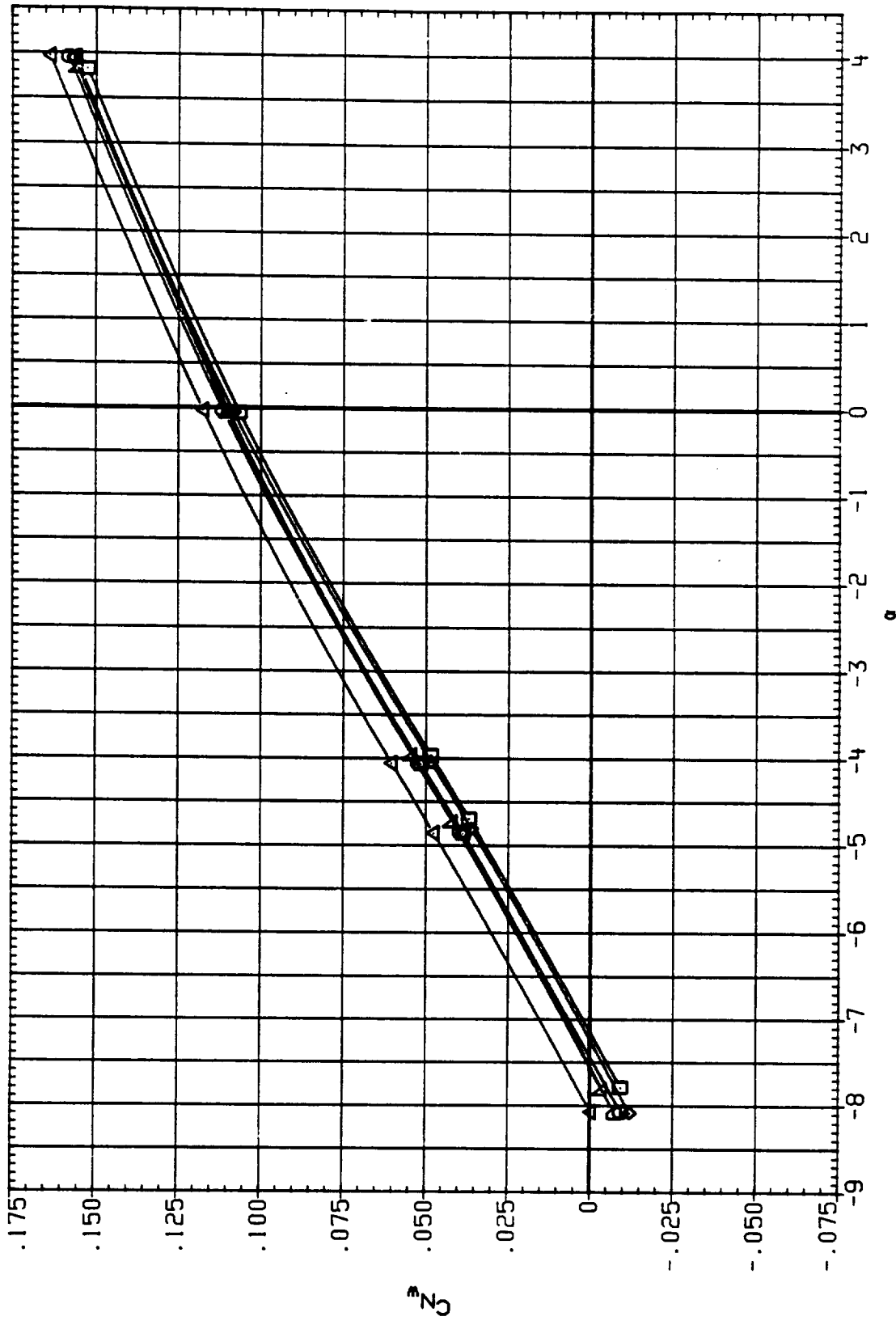


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

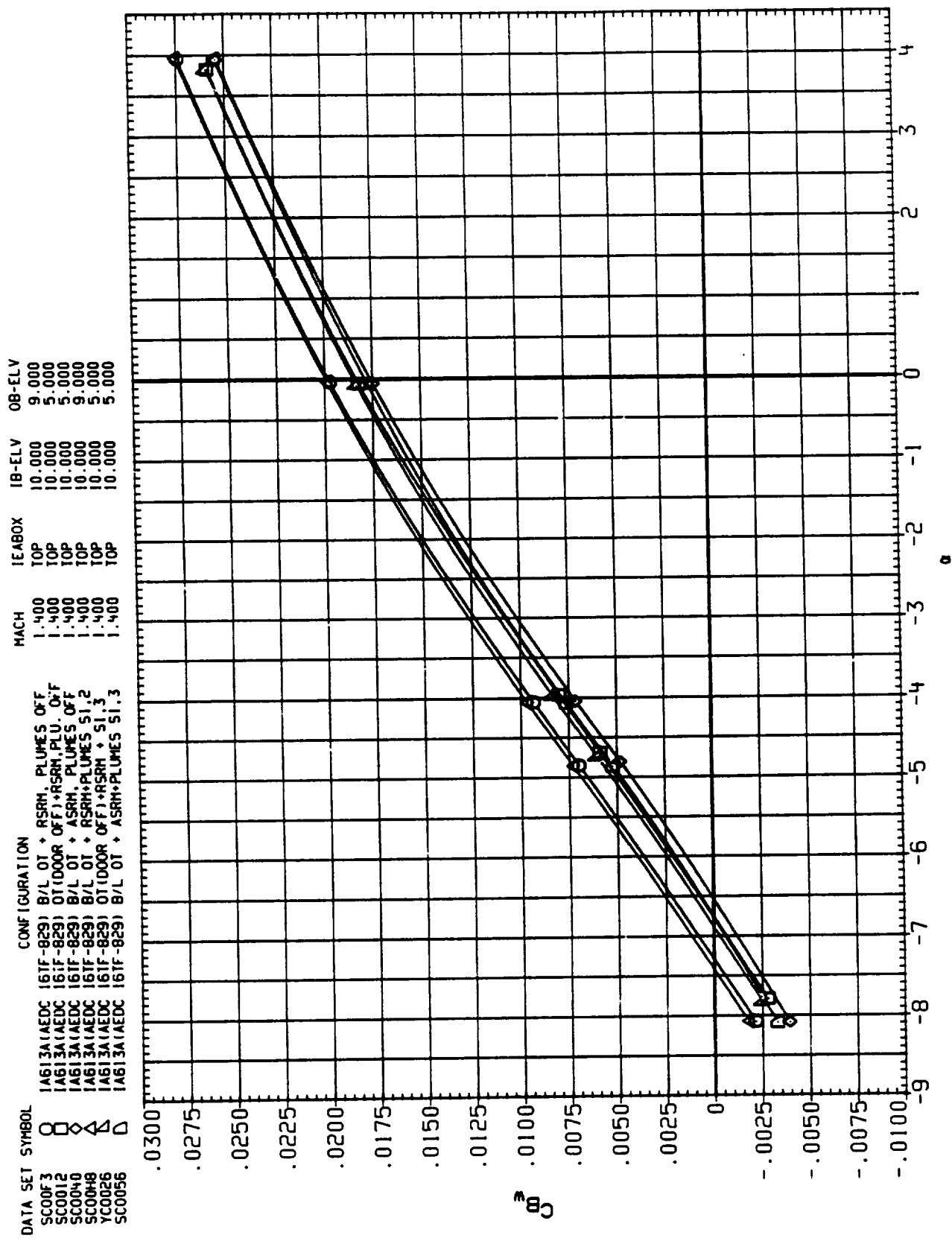


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

C-3

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC00F3	IAB13A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.400	TOP	10.000	9.000
SC00I2	IAB13A(AEDC 161F-829) OT(DOOR OFF)+RSRM,PLU. OFF	1.400	TOP	10.000	5.000
SC00H4	IAB13A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.400	TOP	10.000	5.000
SC00H8	IAB13A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.400	TOP	10.000	9.000
YC0026	IAB13A(AEDC 161F-829) OT(DOOR OFF)+RSRM + S1.3	1.400	TOP	10.000	5.000
SC0056	IAB13A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	TOP	10.000	5.000

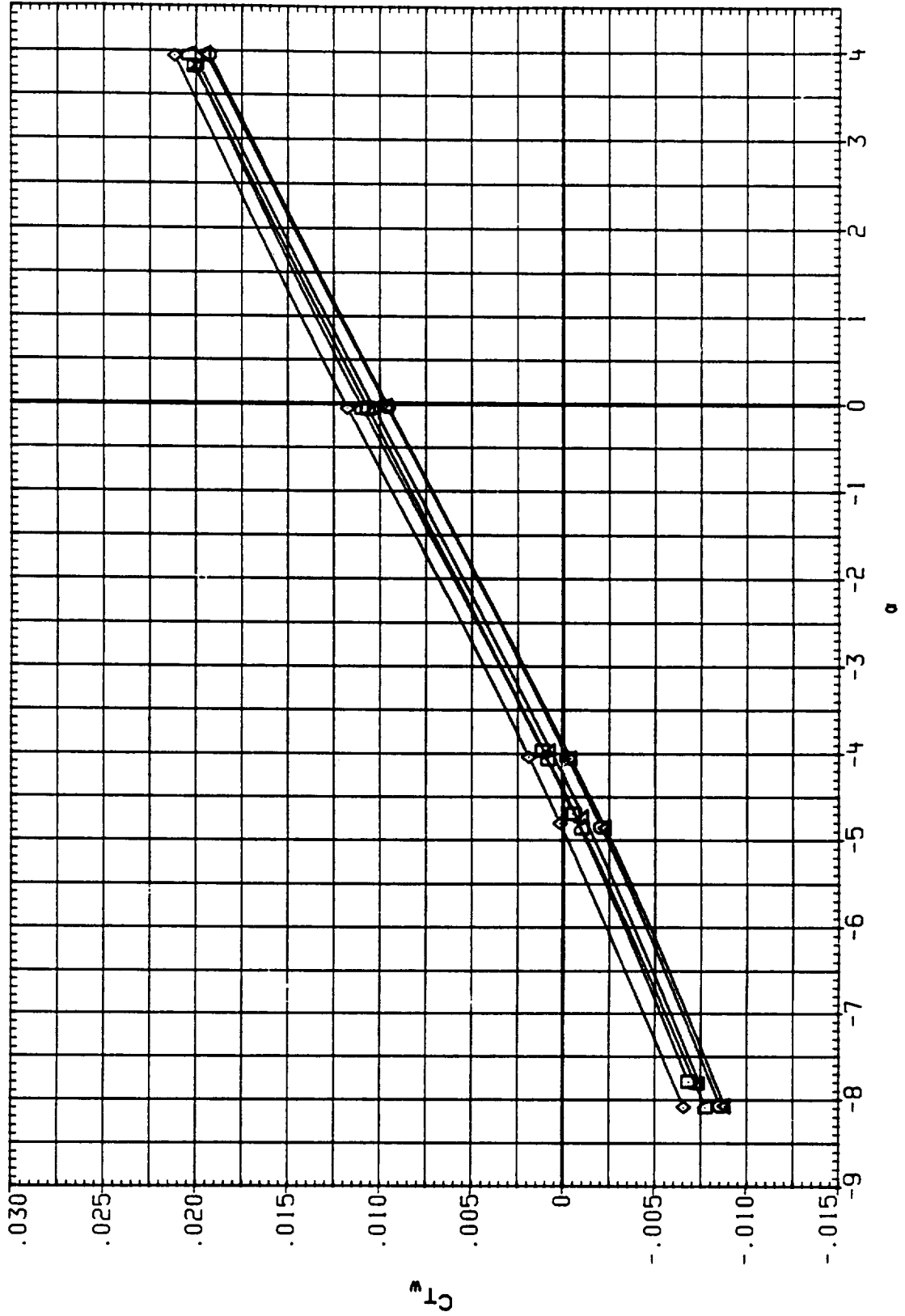


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

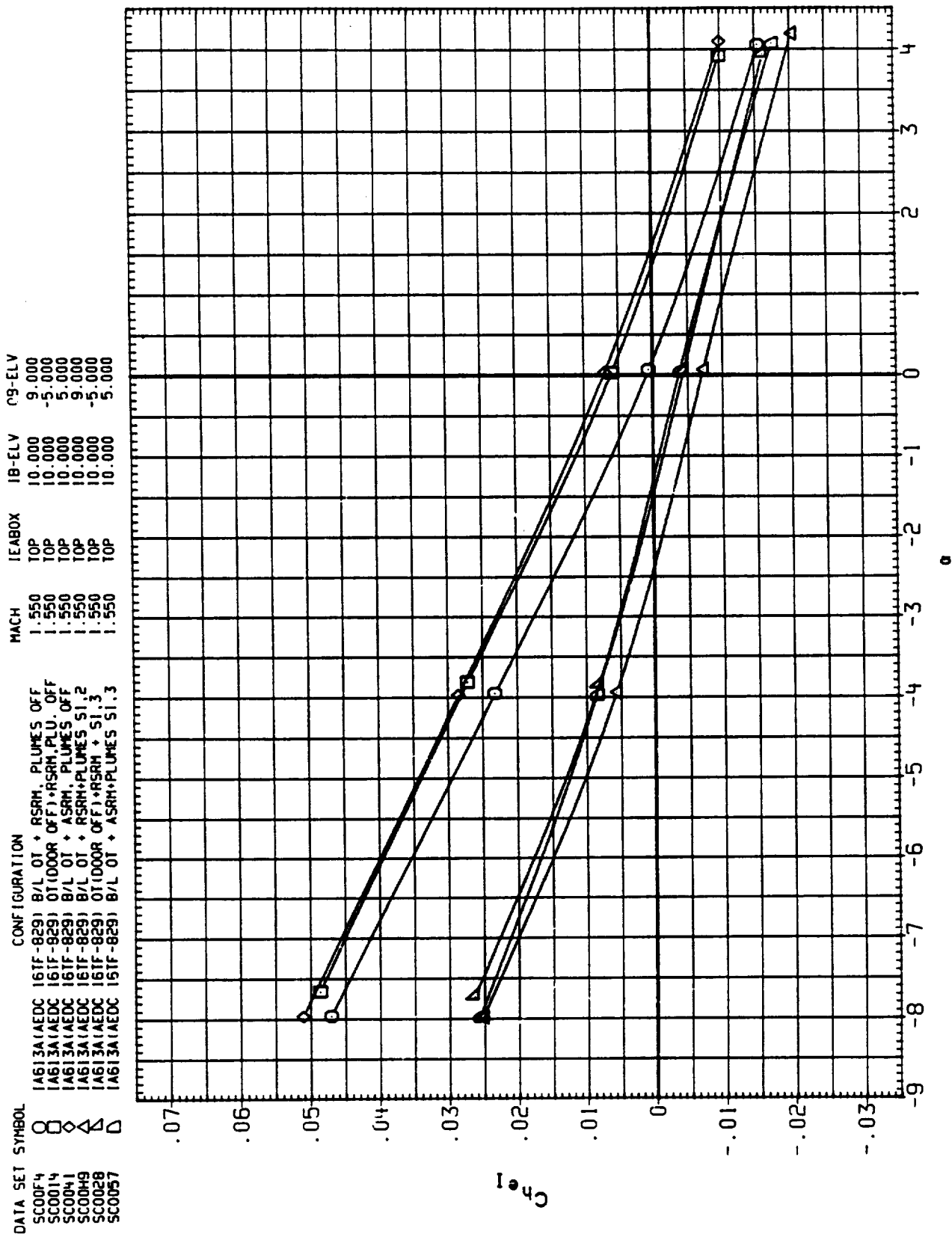


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

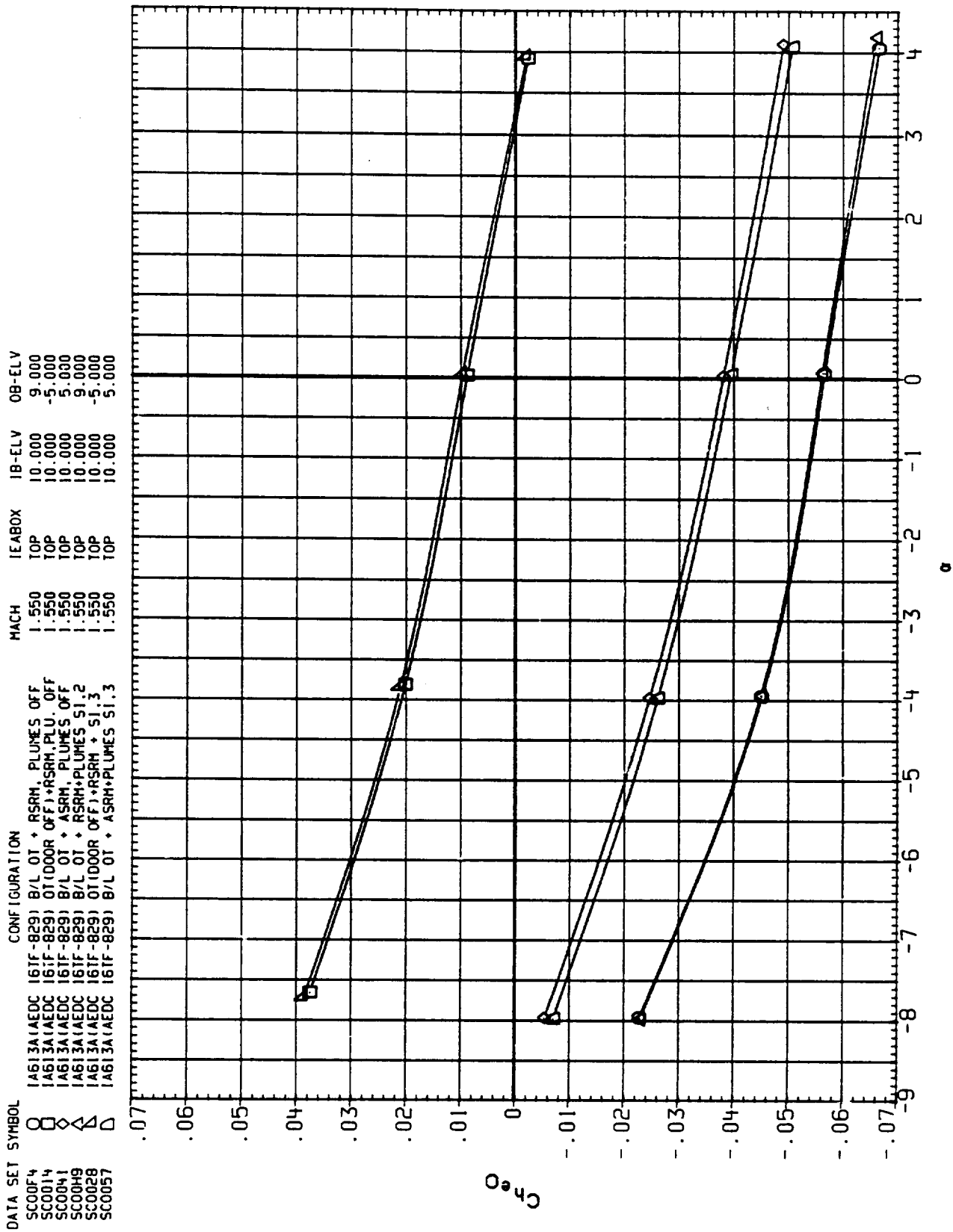


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

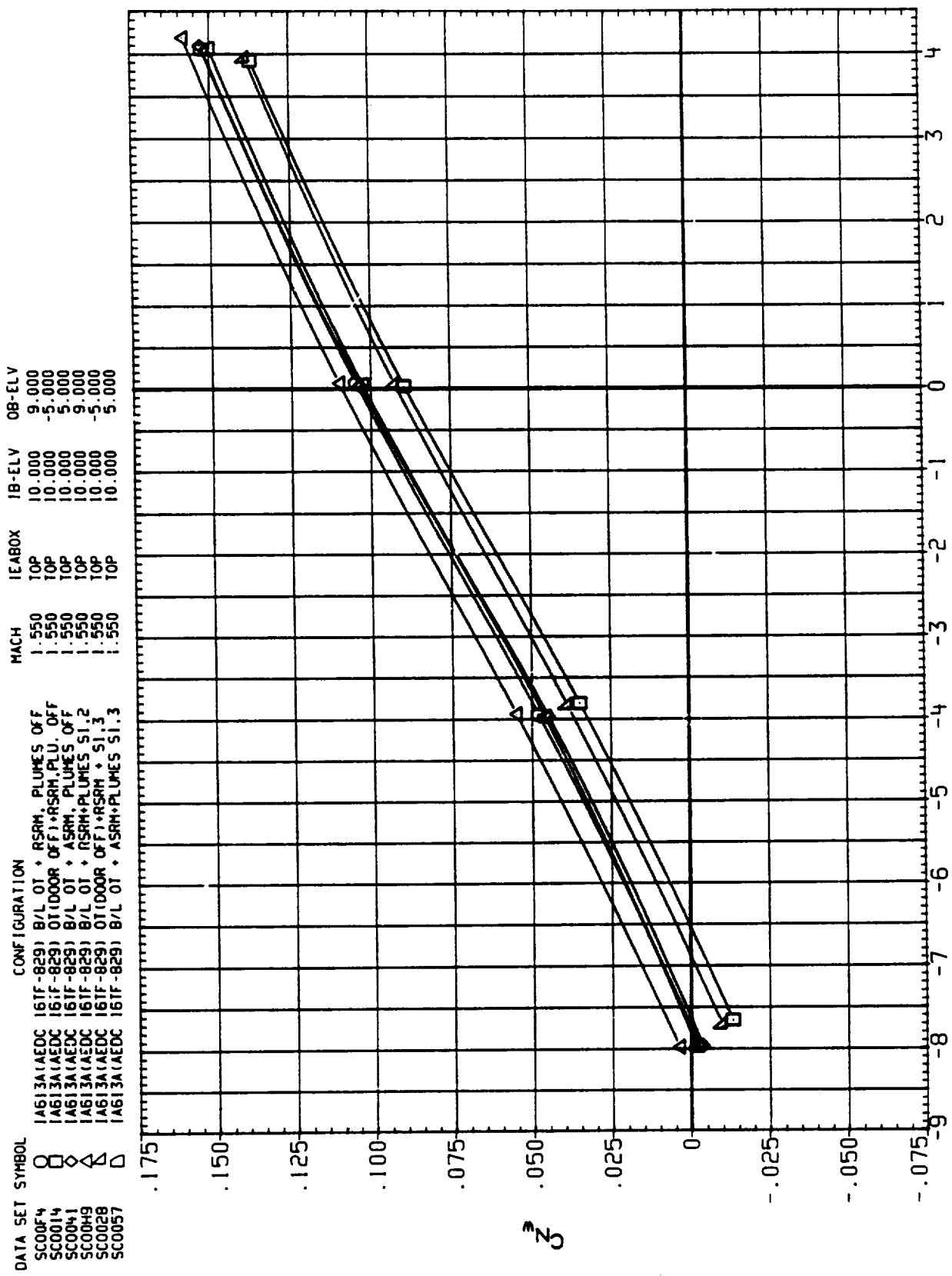
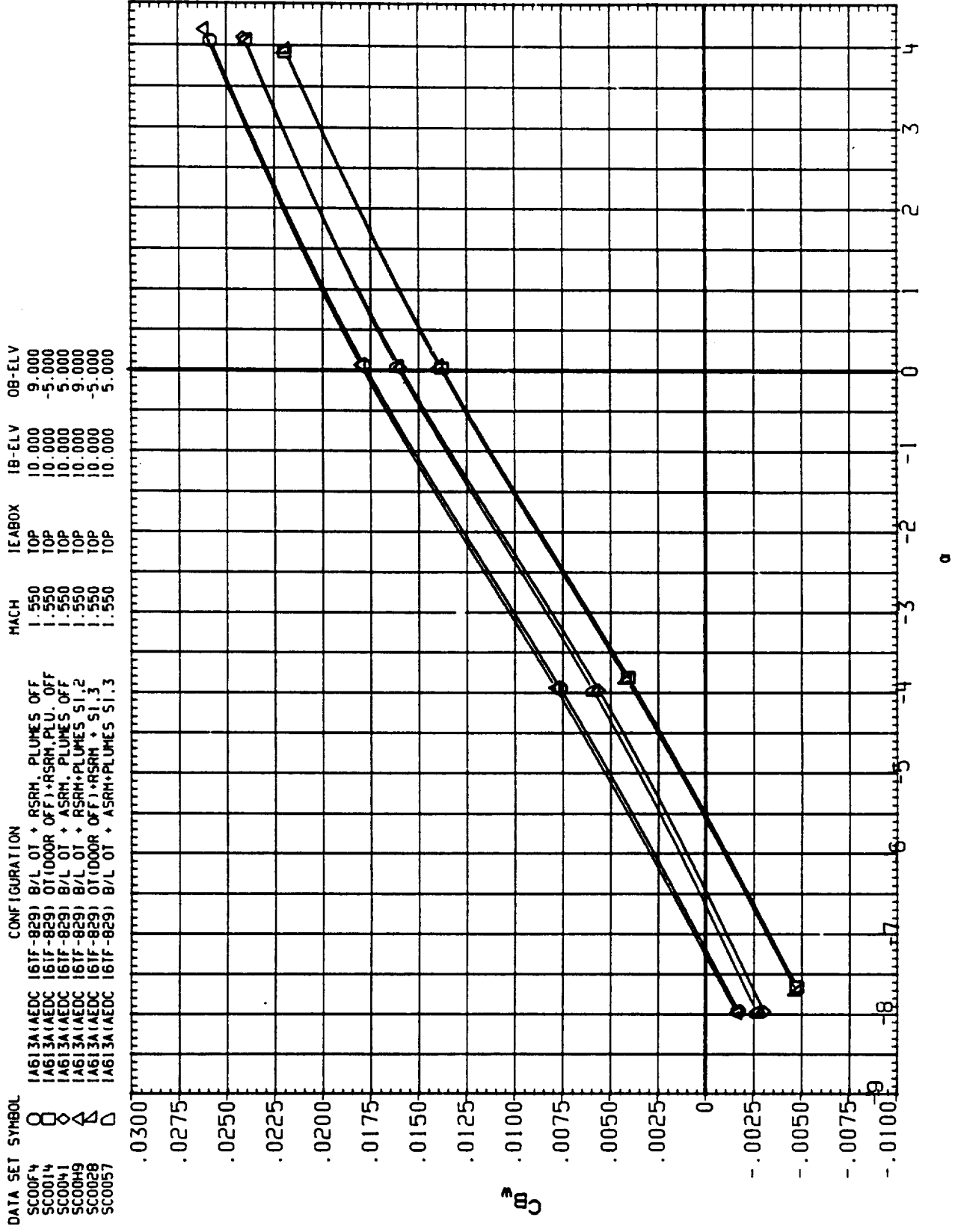


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00



DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
SC00F4	I A613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.550	TOP	10.000	9.000
SC0014	I A613A(AEDC 161F-829) OT(000R OFF)+RSRM, PLU. OFF	1.550	TOP	10.000	-5.000
SC0041	I A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.550	TOP	10.000	5.000
SC00H9	I A613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.550	TOP	10.000	9.000
SC00Z8	I A613A(AEDC 161F-829) OT(000R OFF)+RSRM + S1.3	1.550	TOP	10.000	-5.000
SC00S7	I A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.550	TOP	10.000	5.000

FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) RFTA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-ABOX	IB-ELV	OB-ELV
SC00F4	I A613A1AEDC 16TF-829) B/L OT + RSRH, PLUMES OFF	1.550	TOP	10.000	9.000
SC00I4	I A613A1AEDC 16TF-829) OT(DOOR OFF)+RSRH, PLU. OFF	1.550	TOP	10.000	-5.000
SC00H1	I A613A1AEDC 16TF-829) B/L OT + ASRH, PLUMES OFF	1.550	TOP	10.000	5.000
SC00H9	I A613A1AEDC 16TF-829) B/L OT + RSRH+PLUMES S1.2	1.550	TOP	10.000	9.000
SC00Z8	I A613A1AEDC 16TF-829) OT(DOOR OFF)+RSRH + S1.3	1.550	TOP	10.000	-5.000
SC00S7	I A613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3	1.550	TOP	10.000	5.000

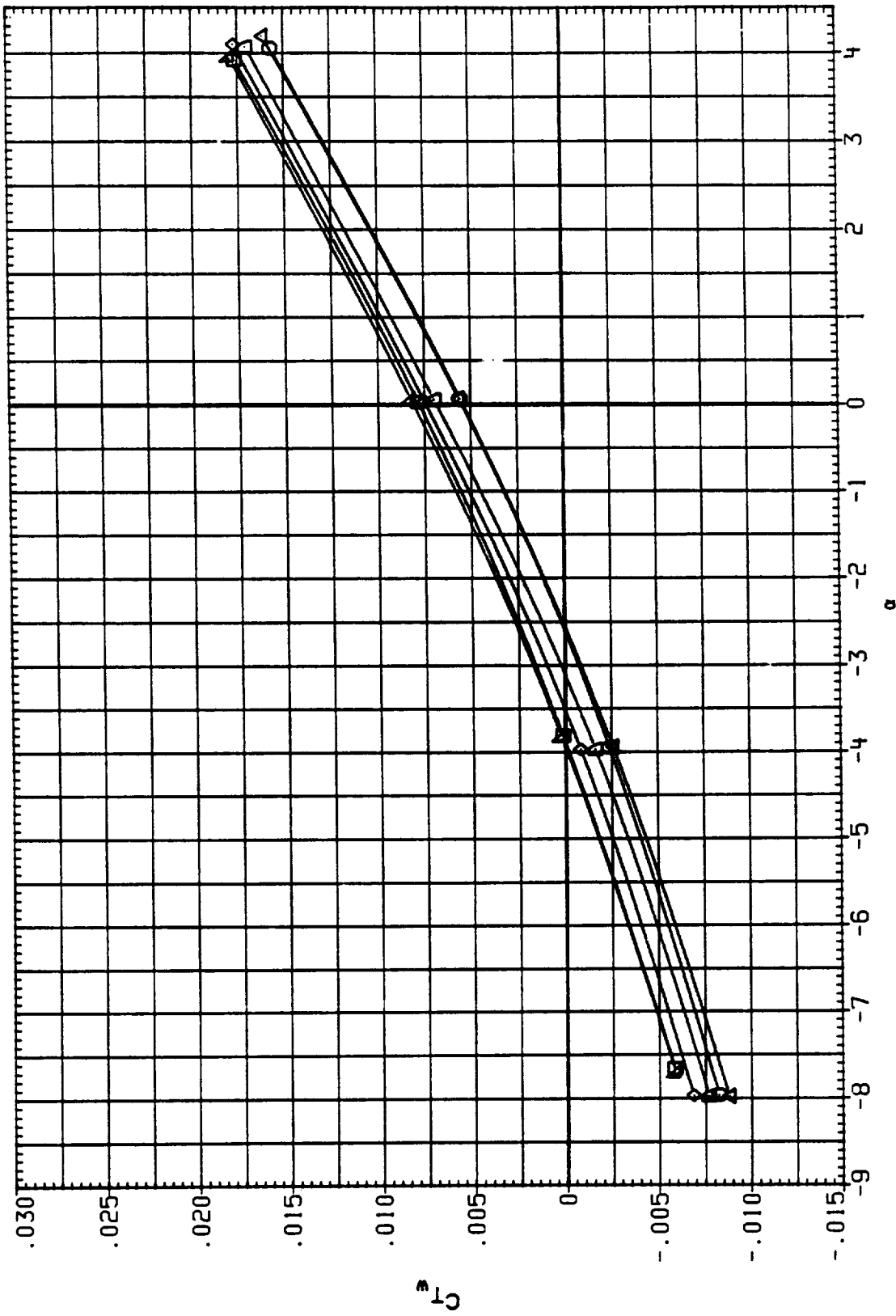


FIG. 2 EFFECT OF ASRM AND PLUMES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0004	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.600	TOP	10.000	9.000
RC0001	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM, PLU. OFF	.600	TOP	10.000	9.000
RC0029	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	TOP	10.000	9.000
RC0015	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	.600	TOP	10.000	9.000
RC00H2	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	TOP	10.000	9.000

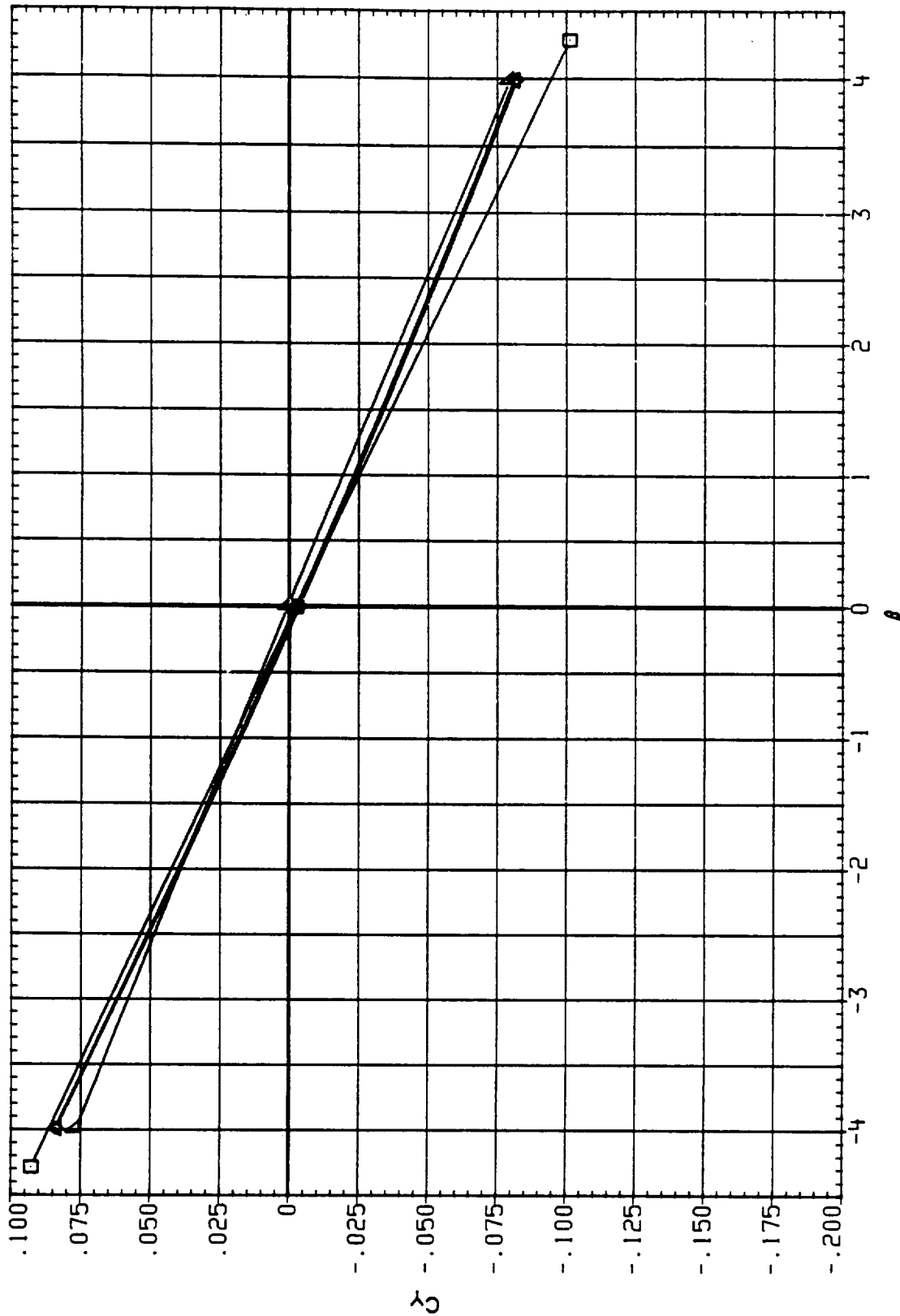


FIG. 3 EFFECT OF ASRM AND PLUMES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00E4	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.600	TOP	10.000	9.000
RC0001	IA613A(AEDC 161F-829) OT1000R OFF + RSRM, PLU OFF	.600	TOP	10.000	9.000
RC0029	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	TOP	10.000	9.000
RC0015	IA613A(AEDC 161F-829) B/L OT + RSRM + PLUMES 51.2	.600	TOP	10.000	9.000
RC00W2	IA613A(AEDC 161F-829) B/L OT + ASRM + PLUMES 51.2	.600	TOP	10.000	9.000

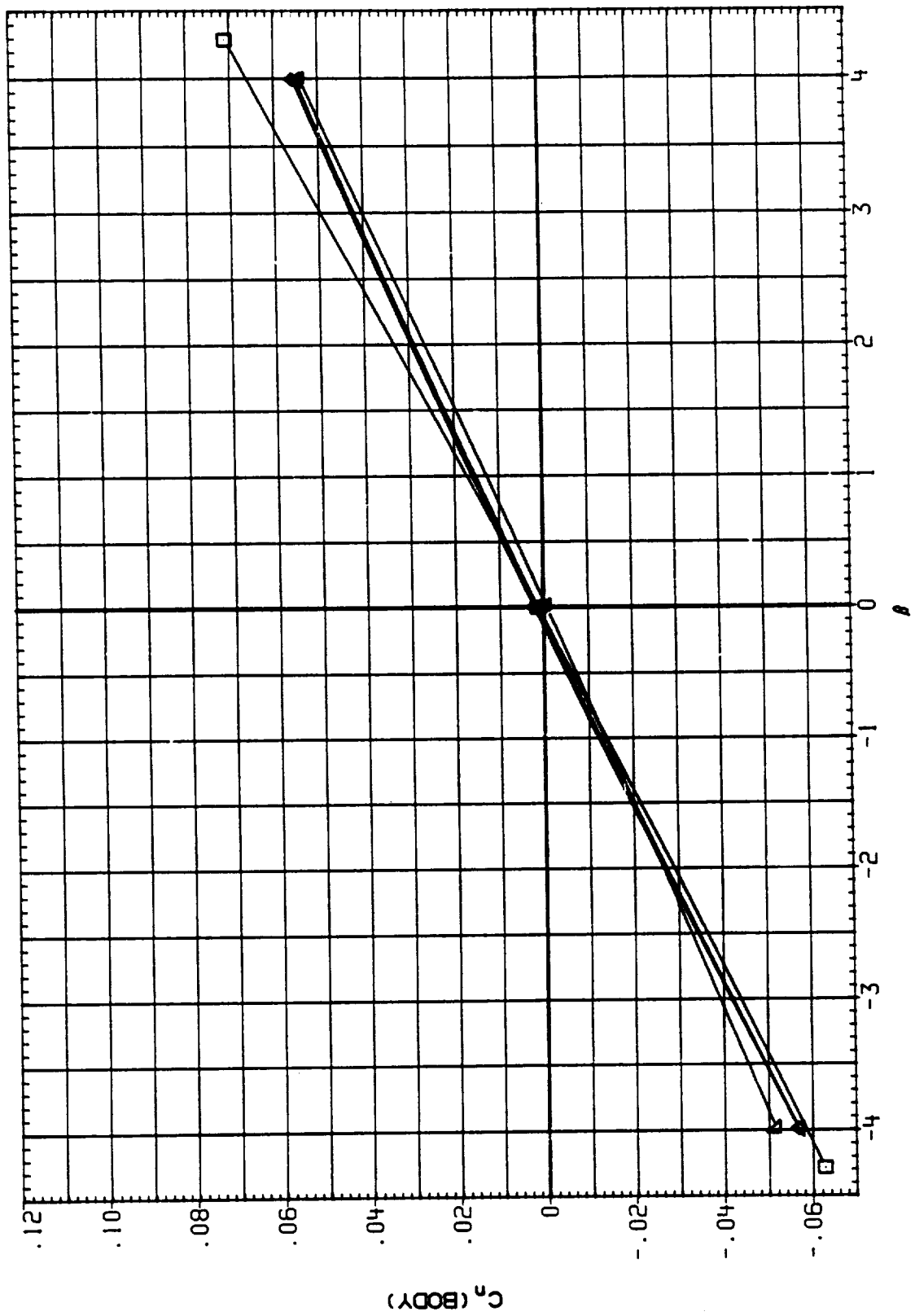


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00E4	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.600	TOP	10.000	9.000
RC0001	IA613A(AEDC 161F-829) OT(1000R OFF) + RSRM, PLU. OFF	.600	TOP	10.000	9.000
RC0029	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	TOP	10.000	9.000
RC0015	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	.600	TOP	10.000	9.000
RC0042	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	TOP	10.000	9.000

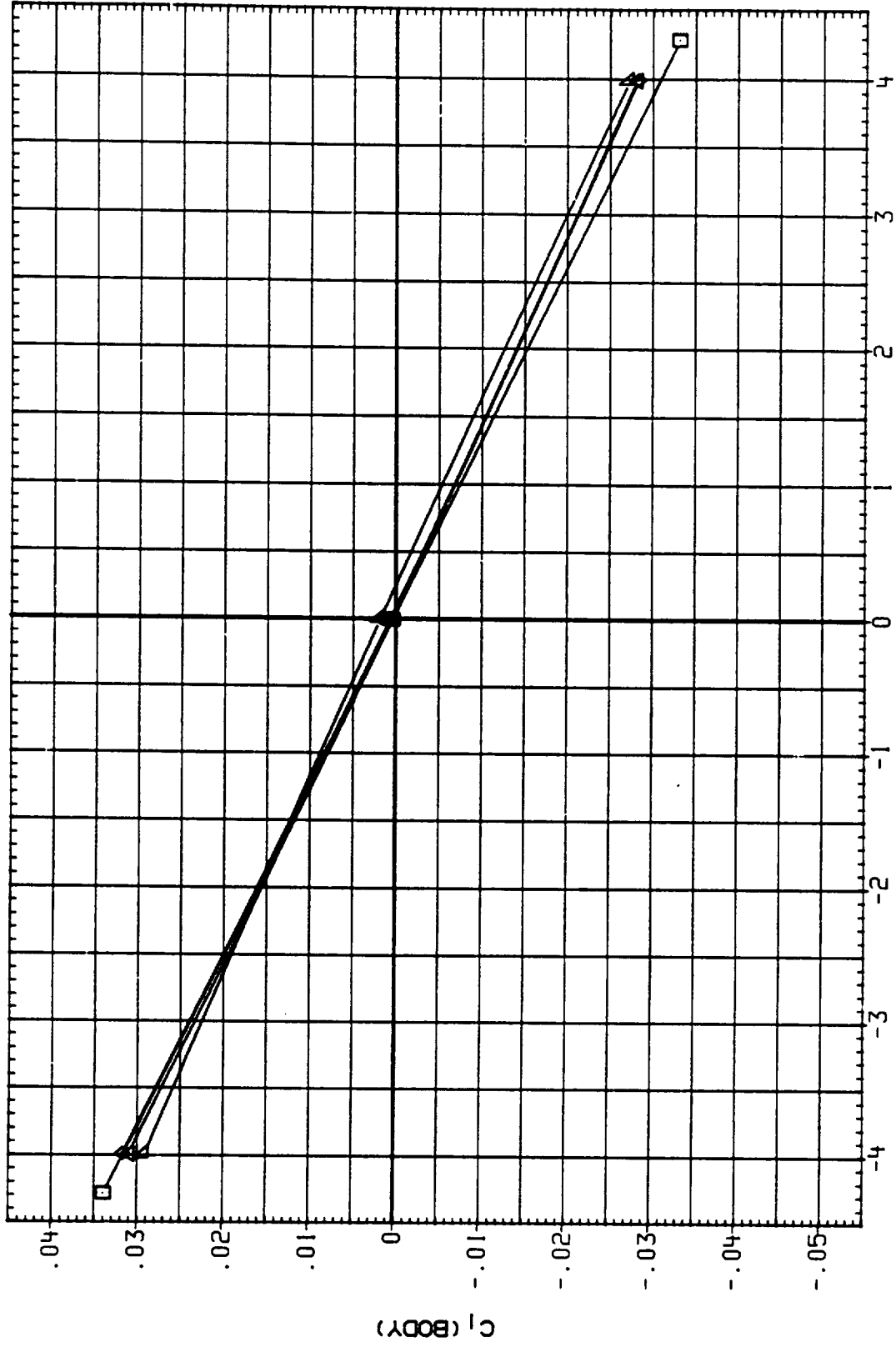


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00E3	I A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.800	TOP	10.000	9.000
RC0002	I A613A1AEDC 161F-829) 011000R OFF) +RSRM, PLU. OFF	.800	TOP	10.000	9.000
RC0030	I A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	TOP	10.000	9.000
RC0016	I A613A1AEDC 161F-829) B/L OT + RSRM+PLUMES 51.2	.800	TOP	10.000	9.000
RC0043	I A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2	.800	TOP	10.000	9.000

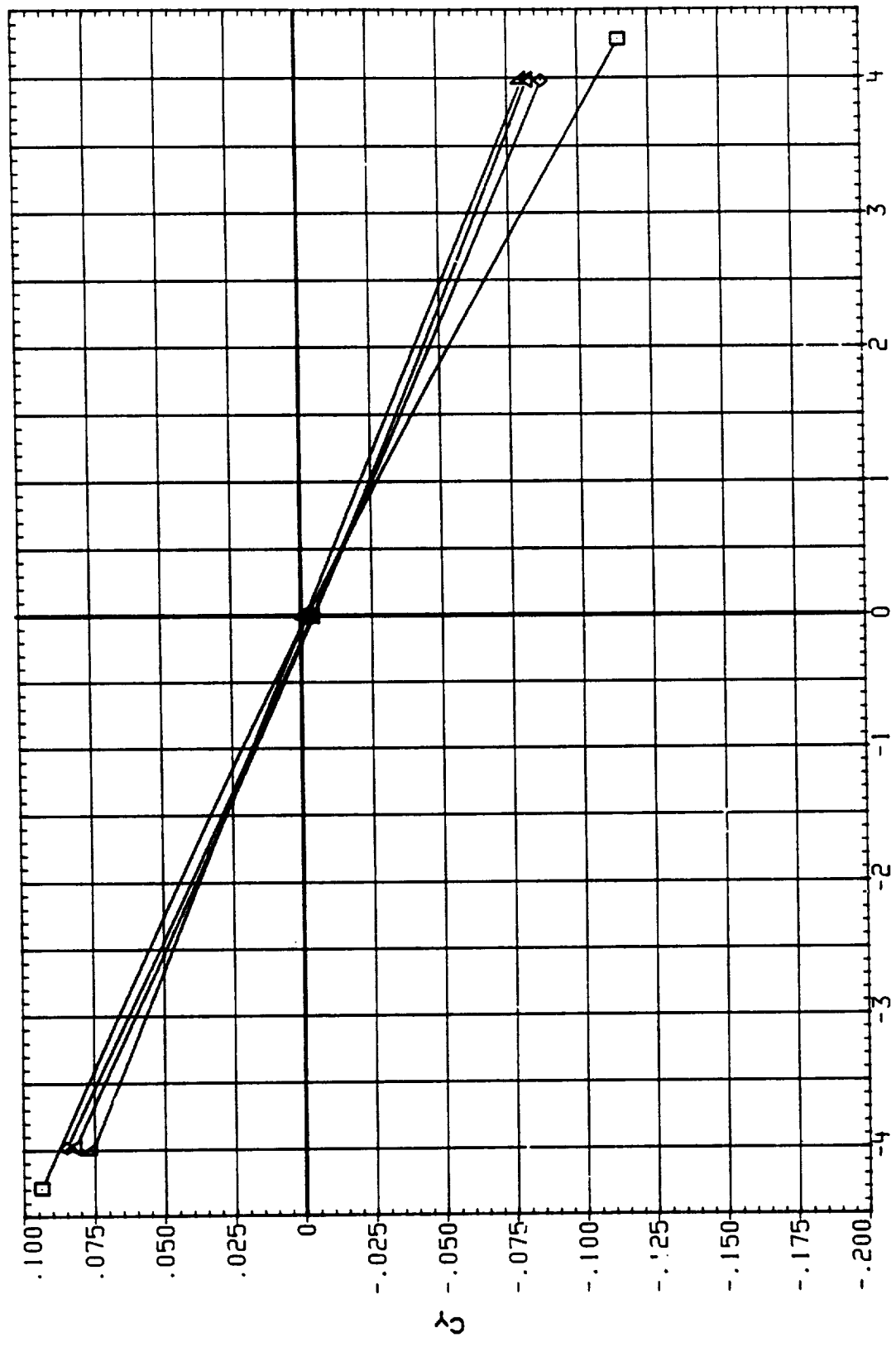


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	TEABOX	IB-ELV	OB-ELV
RC0005	IAGI3AIAEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	.800	TOP	10.000	9.000
RC0002	IAGI3AIAEDC 16:F-829) OT(000R OFF)+RSRM, PLU. OFF	.800	TOP	10.000	9.000
RC0030	IAGI3AIAEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.800	TOP	10.000	9.000
RC0016	IAGI3AIAEDC 16TF-829) B/L OT + RSRM+PLUMES 51.2	.800	TOP	10.000	9.000
RC0043	IAGI3AIAEDC 16TF-829) B/L OT + ASRM+PLUMES 51.2	.800	TOP	10.000	9.000

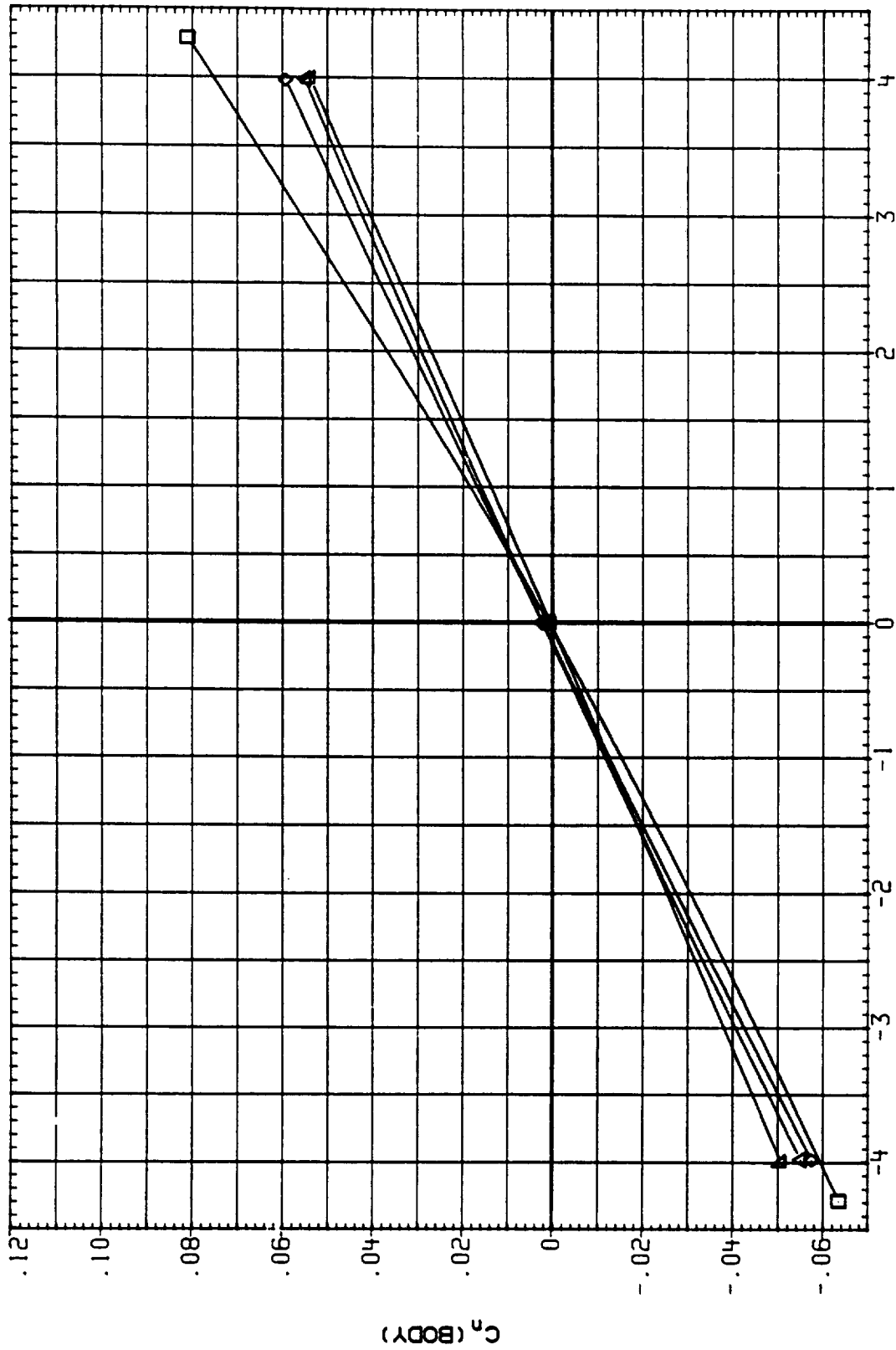


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
RC0005	I A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.800	TOP	10.000	9.000
RC0002	I A613A1AEDC 161F-829) 011000R OFF) + RSRM, PLU. OFF	.800	TOP	10.000	9.000
RC0030	I A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	TOP	10.000	9.000
RC0016	I A613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	.800	TOP	10.000	9.000
RC0043	I A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.800	TOP	10.000	9.000

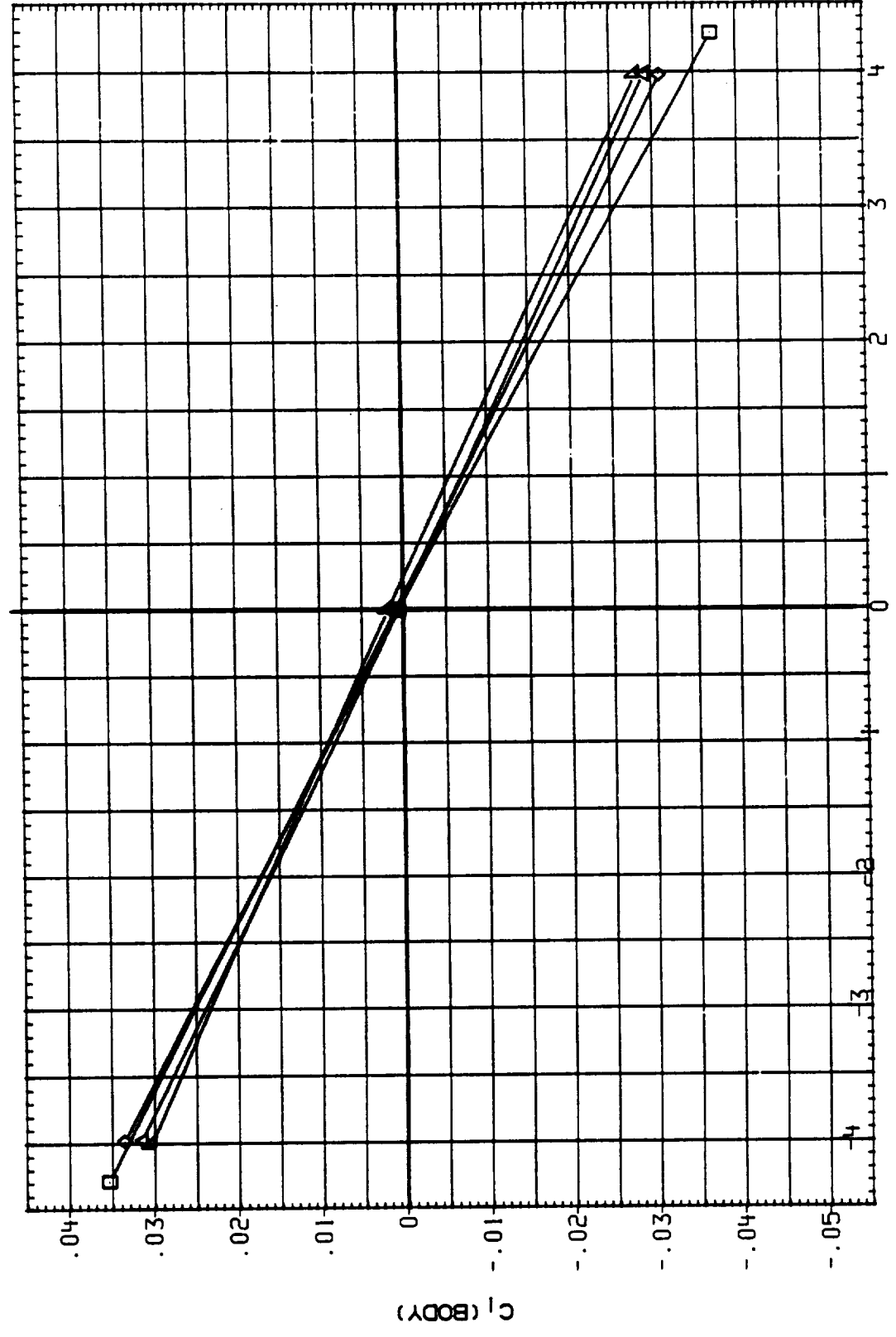


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0006	I A613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.900	TOP	10.000	9.000
RC0003	I A613A(AEDC 161F-829) OT(1000R OFF)+RSRM, PLU. OFF	.900	TOP	10.000	9.000
RC0031	I A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.900	TOP	10.000	9.000
RC0017	I A613A(AEDC 161F-829) B/L OT + RSRM+PLUMES 51.2	.900	TOP	10.000	9.000
RC0044	I A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2	.900	TOP	10.000	9.000

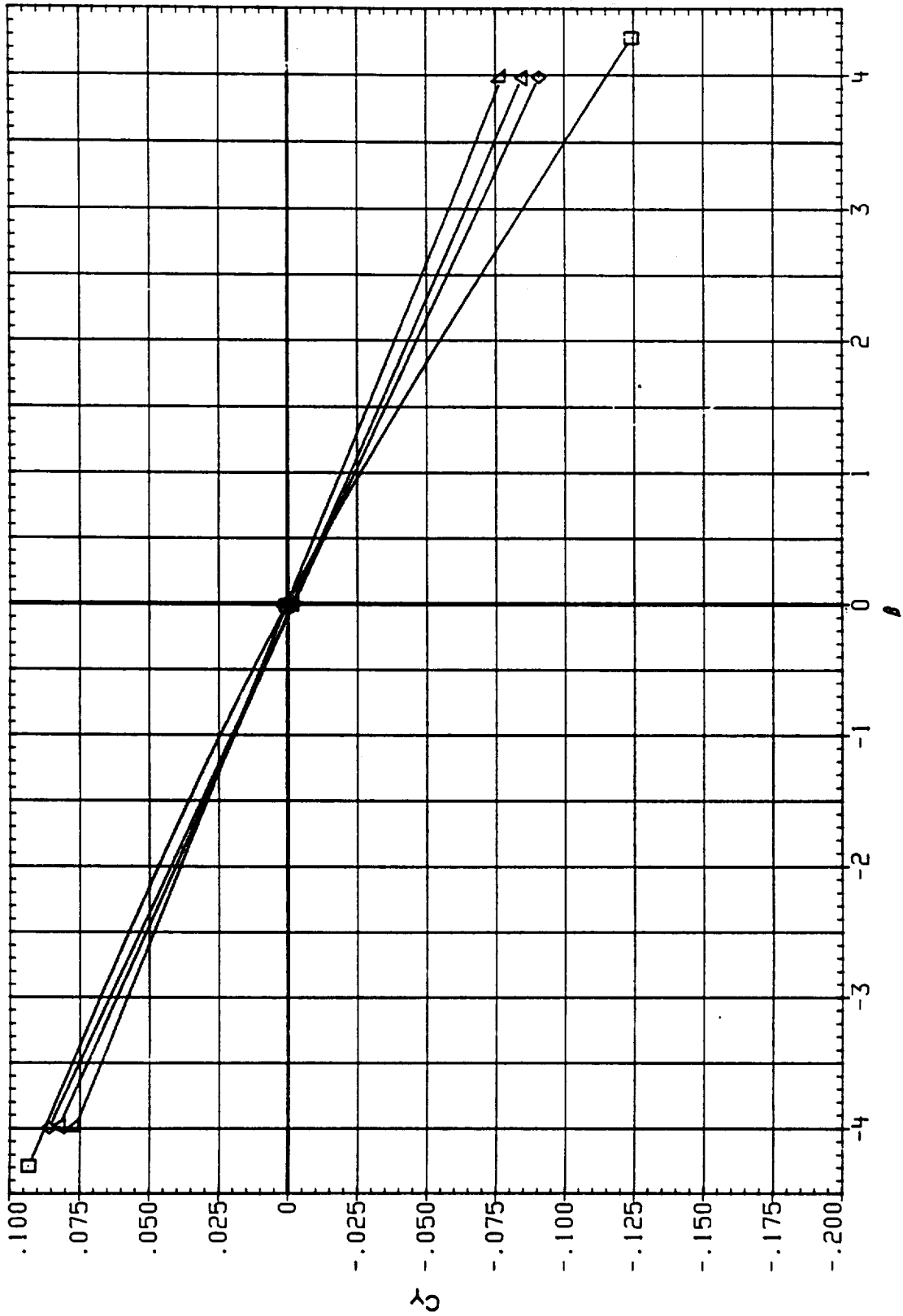


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00E6	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.900	TOP	10.000	9.000
RC0003	IA613A(AEDC 161F-829) OT(1000R OFF) + RSRM, PLU. OFF	.900	TOP	10.000	9.000
RC0031	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.900	TOP	10.000	9.000
RC0017	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	.900	TOP	10.000	9.000
RC0044	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.900	TOP	10.000	9.000

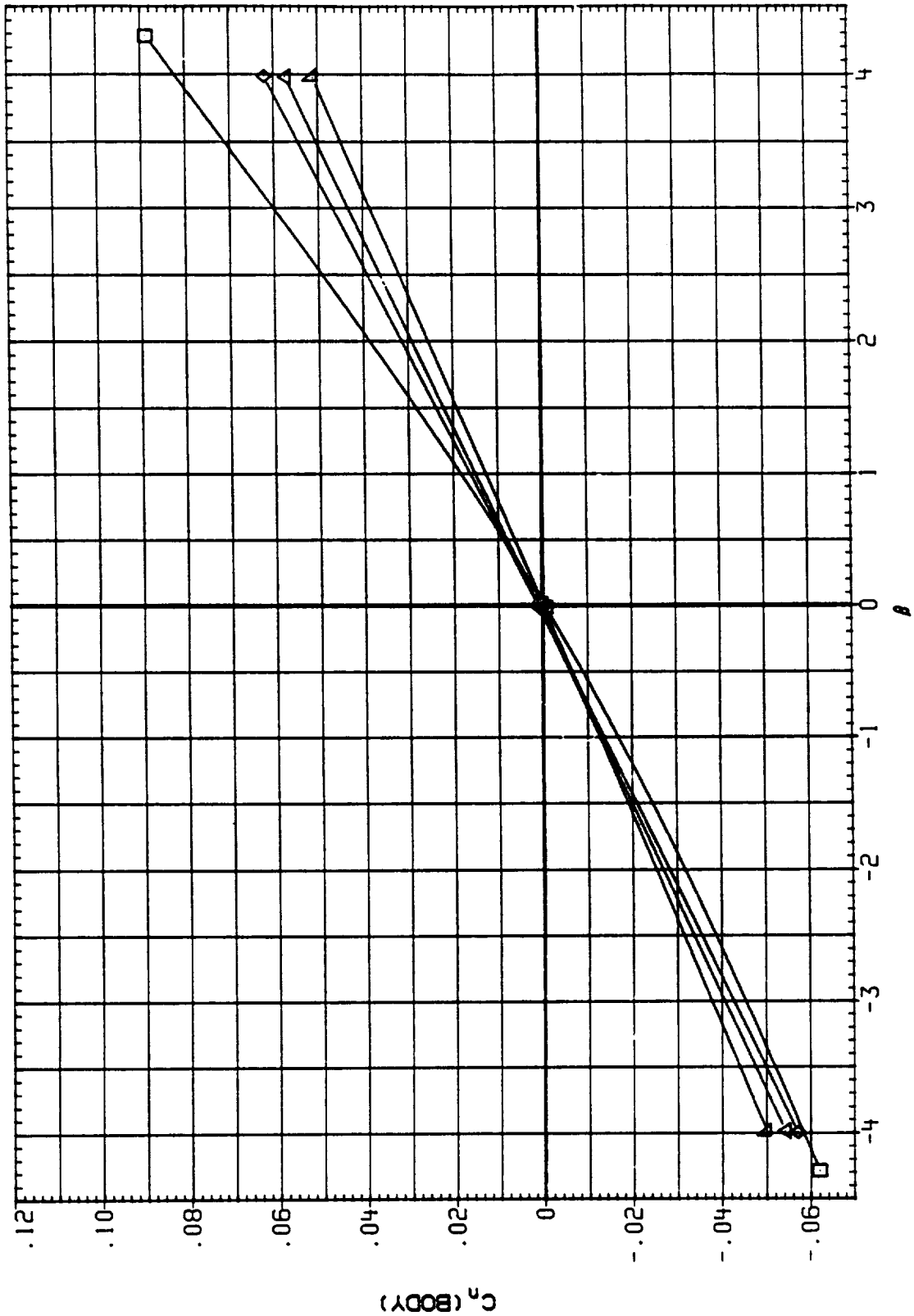


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0066	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.900	TOP	10.000	9.000
RC0003	IA613A(AEDC 161F-829) OT(1000R OFF)+RSRM, PLU. OFF	.900	TOP	10.000	9.000
RC0031	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.900	TOP	10.000	9.000
RC0017	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	.900	TOP	10.000	9.000
RC0044	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.900	TOP	10.000	9.000

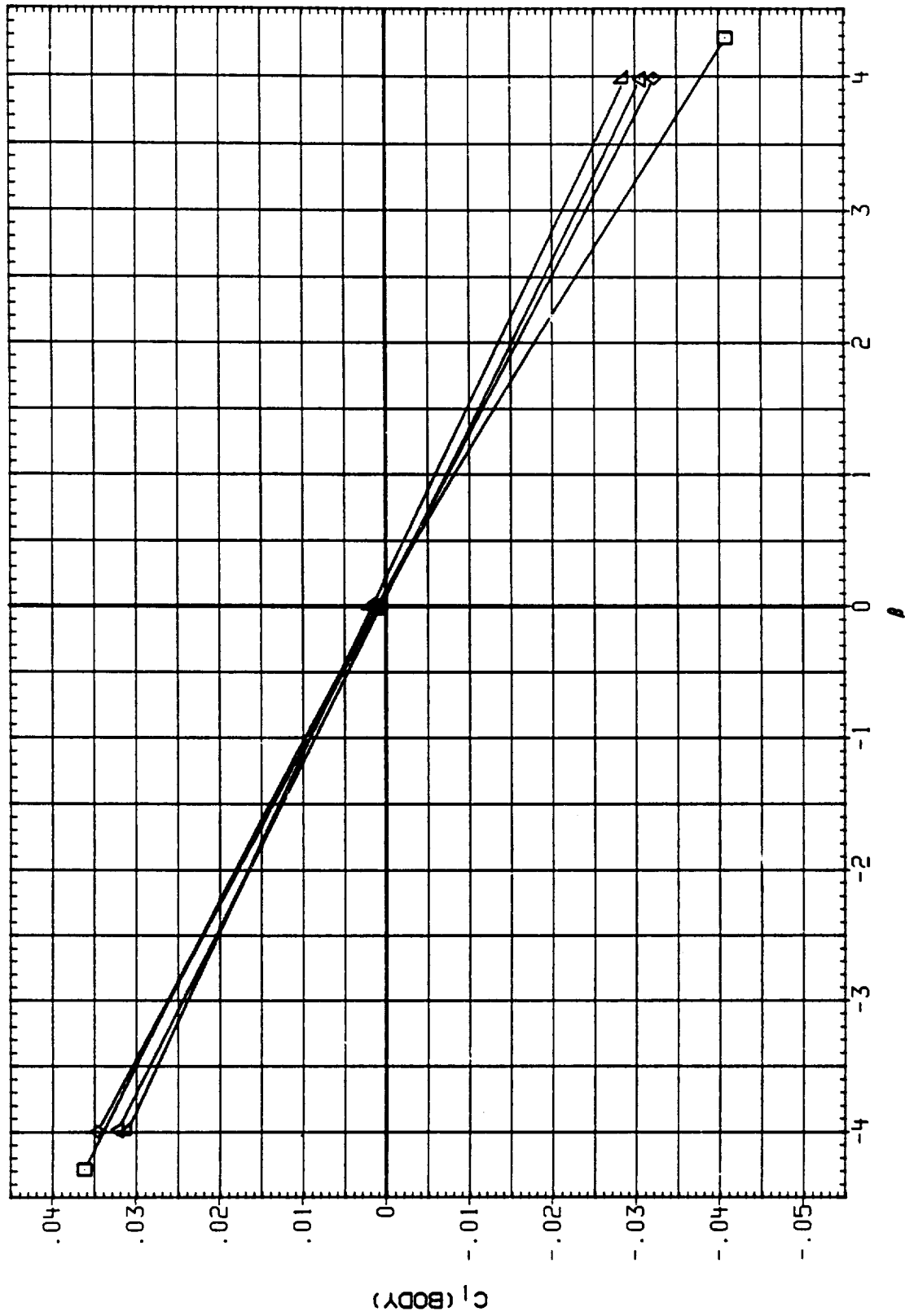


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MA'H	IEABOX	IB-ELV	OB-ELV
RC0007	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	.950	TOP	10.000	9.000
RC0004	IA613A(AEDC 161F-829) 011000R OFF + RSRM, PLU. OFF	.950	TOP	10.000	9.000
RC0032	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.950	TOP	10.000	9.000
RC0018	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES 51.2	.950	TOP	10.000	9.000
RC0045	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2	.950	TOP	10.000	9.000

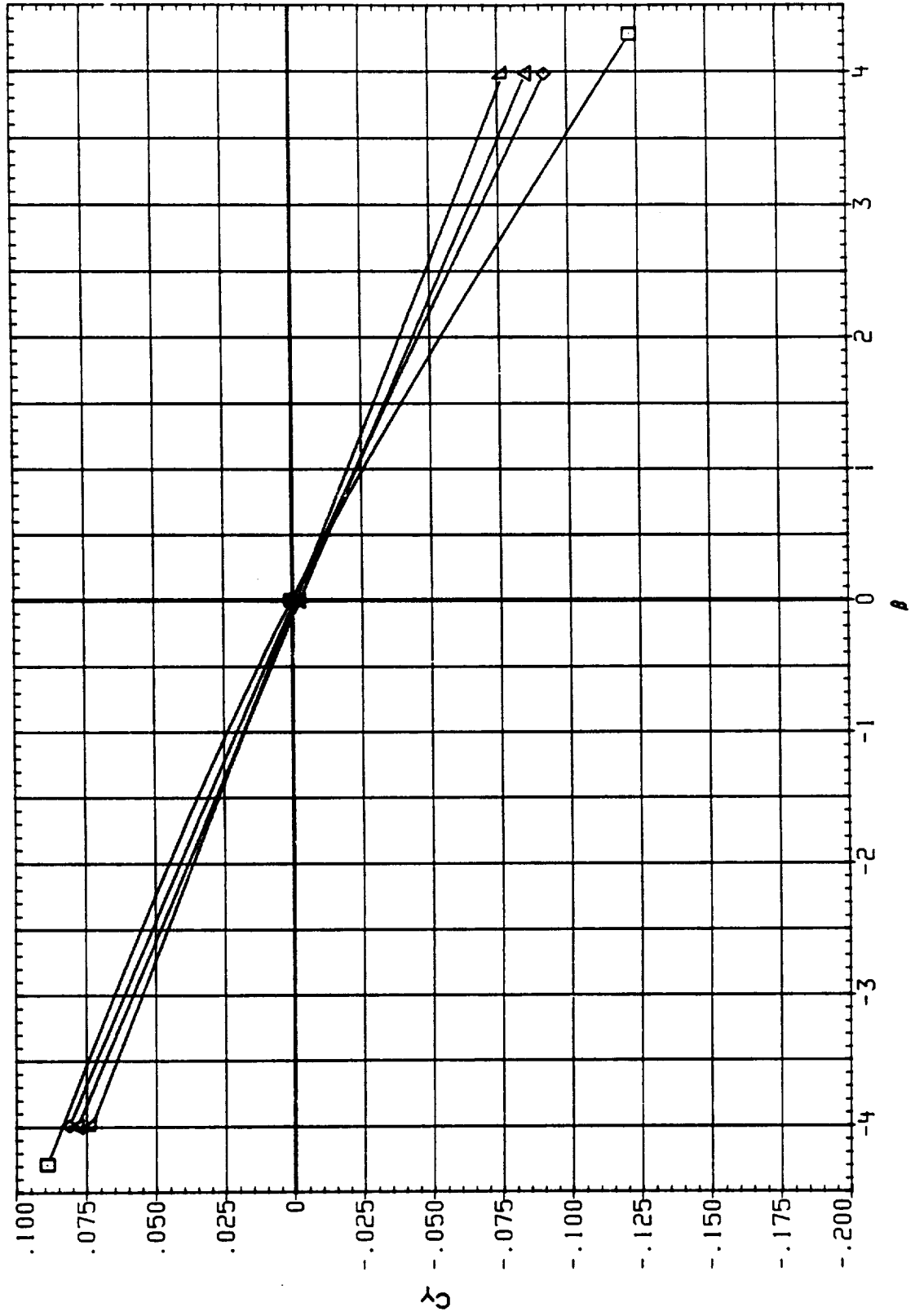


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

DATA SET SYMBOL	CONFIGURATION	MACH	IE-ABOX	IB-ELV	OB-ELV
RC00E7	IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	.950	TOP	10.000	9.000
RC0004	IA613A(AEDC 16TF-829) OT(000R OFF)+RSRM, PLU. OFF	.950	TOP	10.000	9.000
RC0032	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.950	TOP	10.000	9.000
RC0018	IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2	.950	TOP	10.000	9.000
RC0045	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	.950	TOP	10.000	9.000

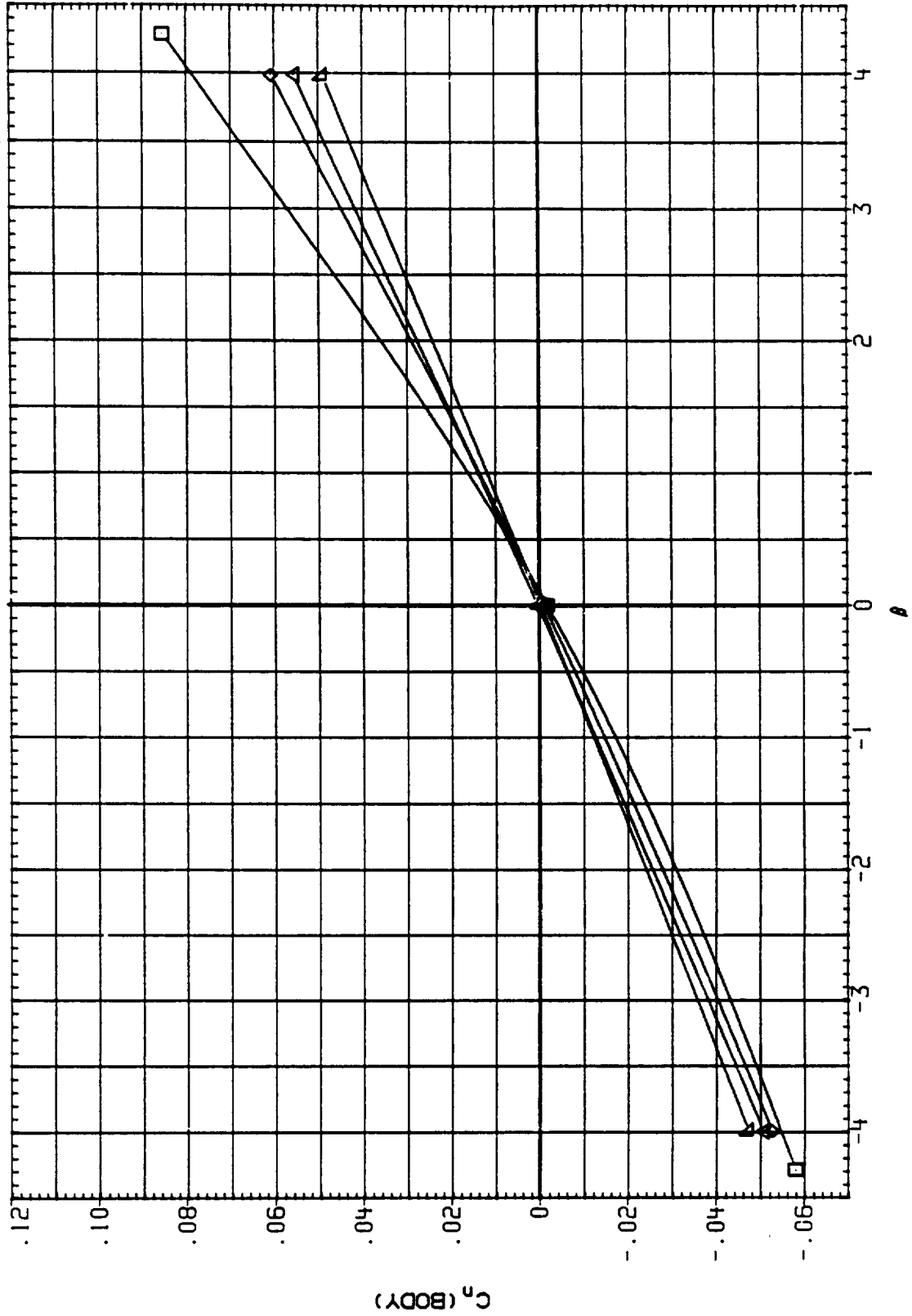


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-ABOX	IB-ELV	OB-ELV
RC00E7	IA613A(AEDC 161F-829) B/L OT * RSRM, PLUMES OFF	.950	TOP	10.000	9.000
RC0004	IA613A(AEDC 161F-829) OT(DOOR OFF)*RSRM,PLU. OFF	.950	TOP	10.000	9.000
RC0032	IA613A(AEDC 161F-829) B/L OT * ASRM, PLUMES OFF	.950	TOP	10.000	9.000
RC0018	IA613A(AEDC 161F-829) B/L OT * RSRM*PLUMES S1.2	.950	TOP	10.000	9.000
RC00V5	IA613A(AEDC 161F-829) B/L OT * ASRM*PLUMES S1.2	.950	TOP	10.000	9.000

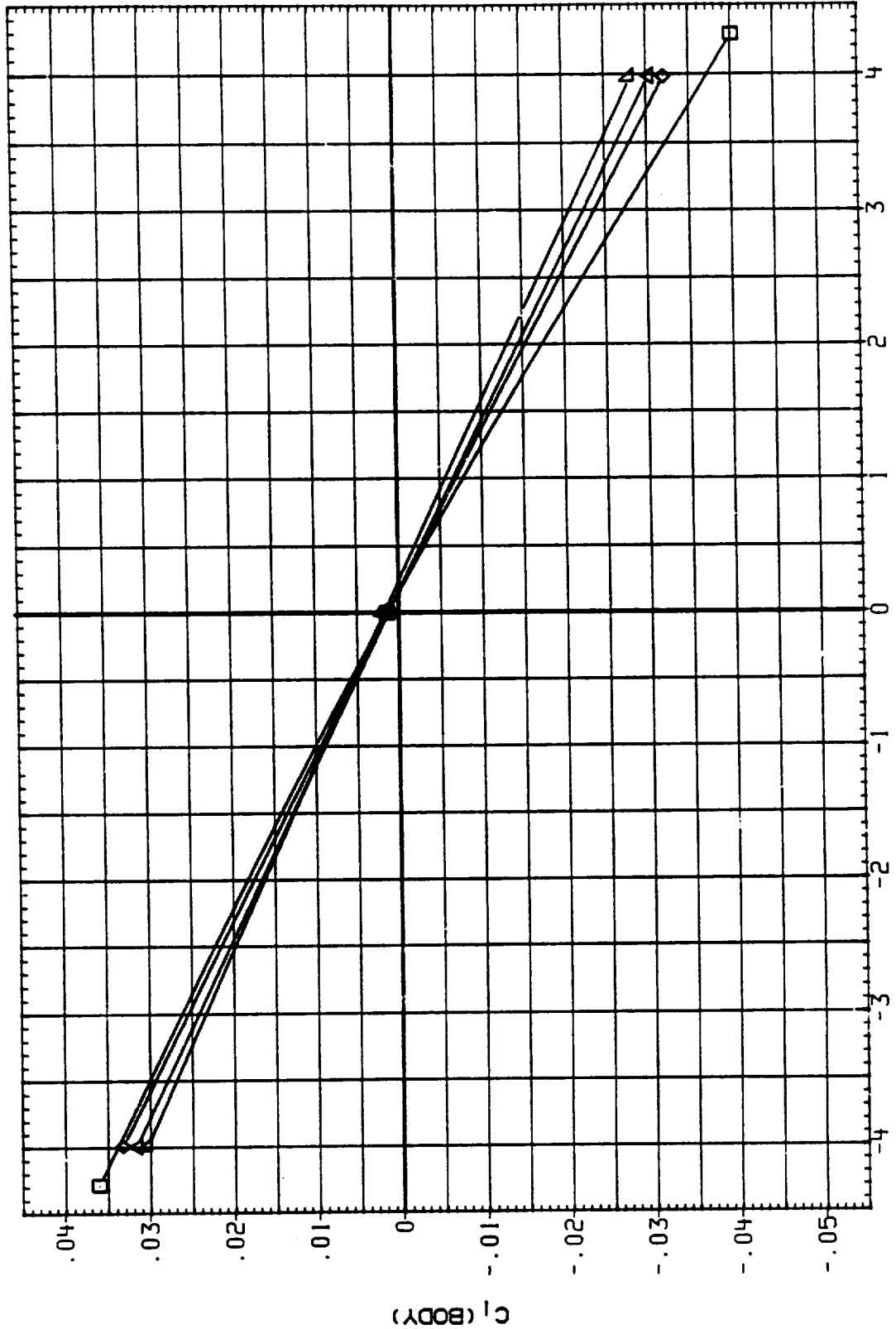


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0008	IAG13A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.050	ICP	10.000	9.000
RC0005	IAG13A1AEDC 16TF-829) OT1000R OFF) +ASRM, PLU. OFF	1.050	TOP	10.000	9.000
RC0033	IAG13A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.050	TOP	10.000	9.000
RC0019	IAG13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.050	TOP	10.000	9.000
RC0046	IAG13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.050	TOP	10.000	9.000

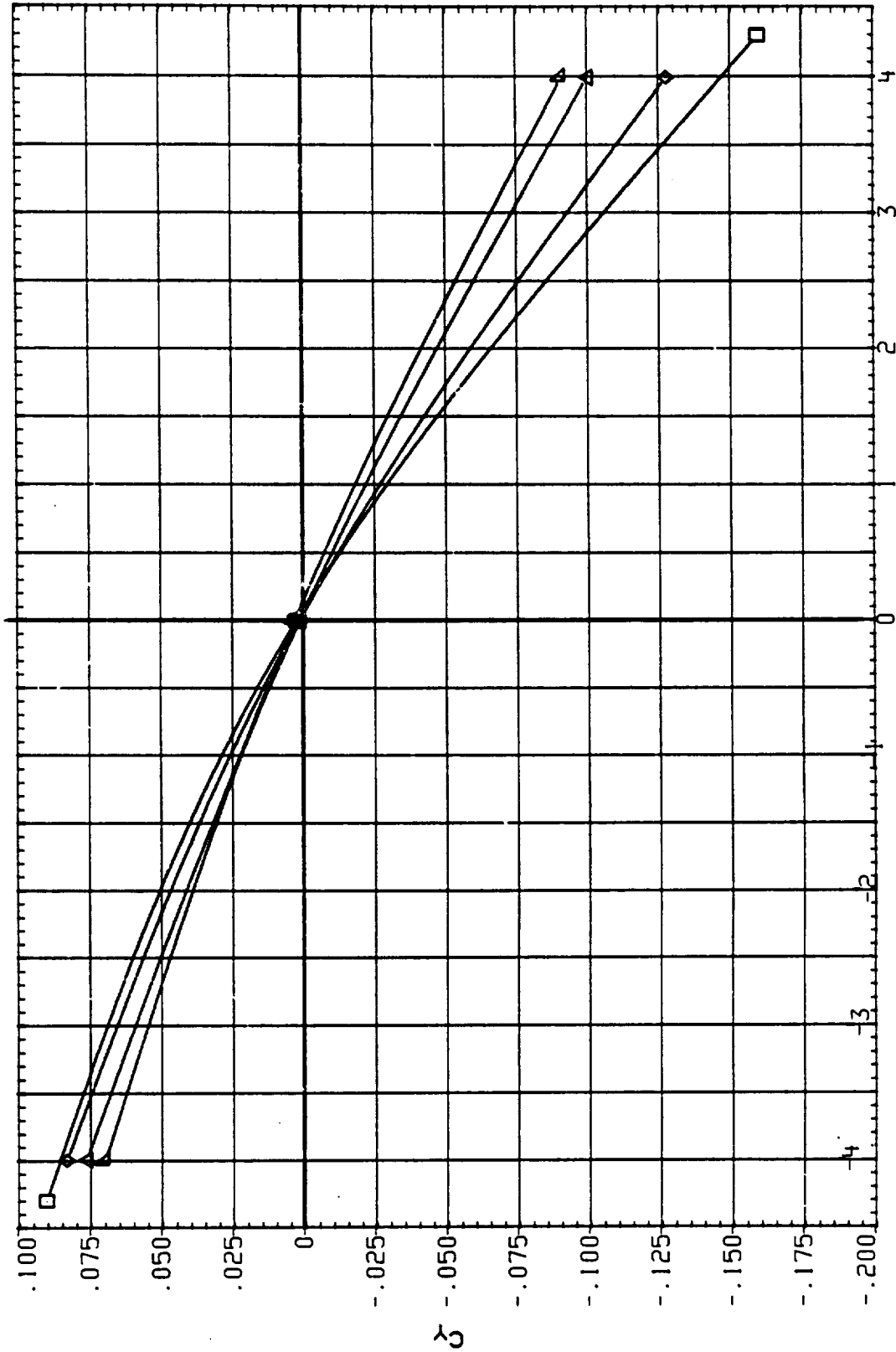


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0008	IAG13A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.050	TOP	10.000	9.000
RC0005	IAG13A(AEDC 16TF-829) OT1000R OFF + RSRM, PLU. OFF	1.050	TOP	10.000	9.000
RC0033	IAG13A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.050	TOP	10.000	9.000
RC0019	IAG13A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2	1.050	TOP	10.000	9.000
RC0046	IAG13A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2	1.050	TOP	10.000	9.000

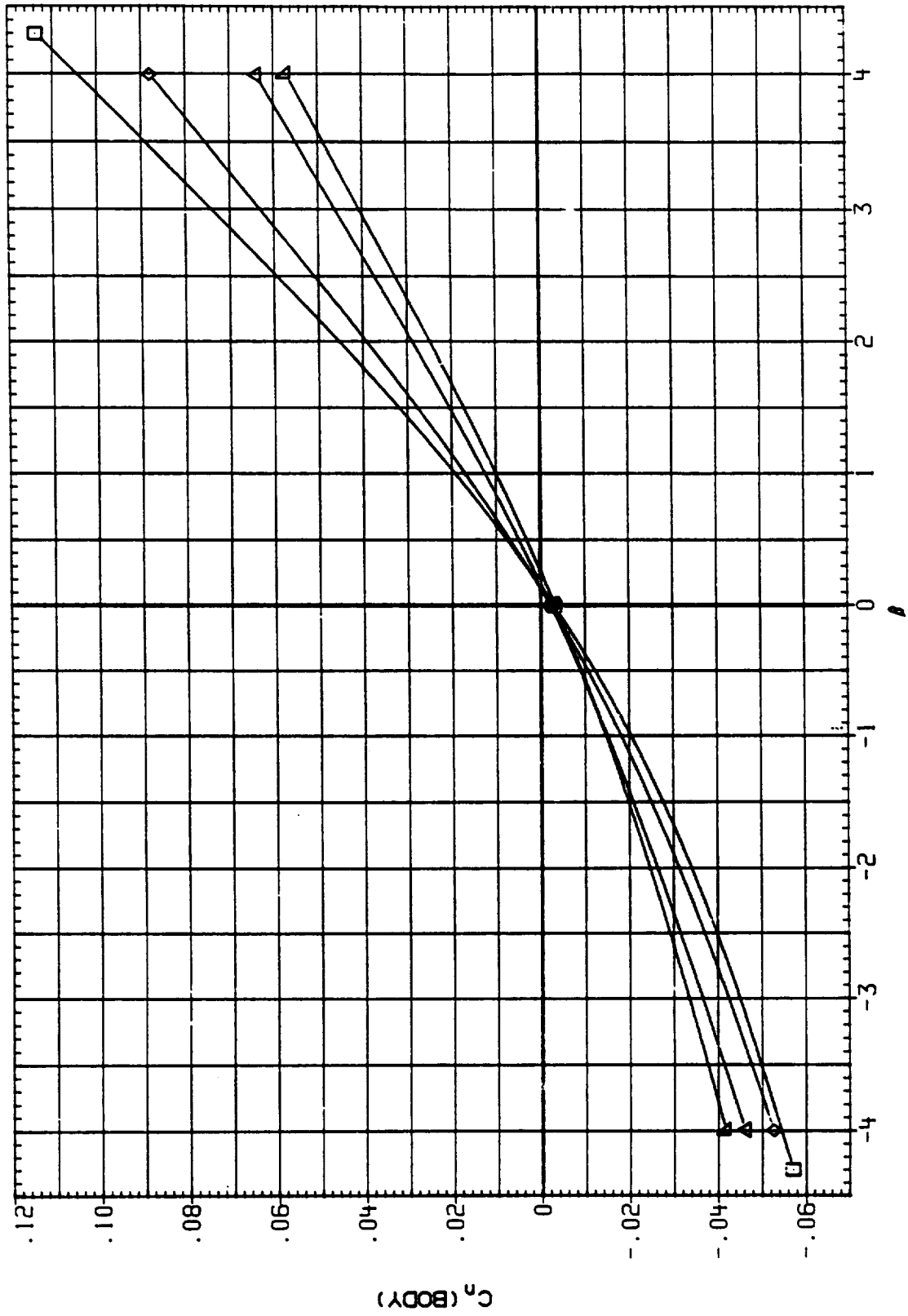


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LEADBOX	IB-ELV	CB-ELV
RC0008	IAB13A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.050	TOP	10.000	9.000
RC0005	IAB13A1AEDC 161F-829) 01(000R OFF)+RSRM, PLU. OFF	1.050	TOP	10.000	9.000
RC0033	IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.050	TOP	10.000	9.000
RC0019	IAB13A1AEDC 161F-829) B/L OT + RSRM+PLUMES 51.2	1.050	TOP	10.000	9.000
RC0046	IAB13A1AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2	1.050	TOP	10.000	9.000

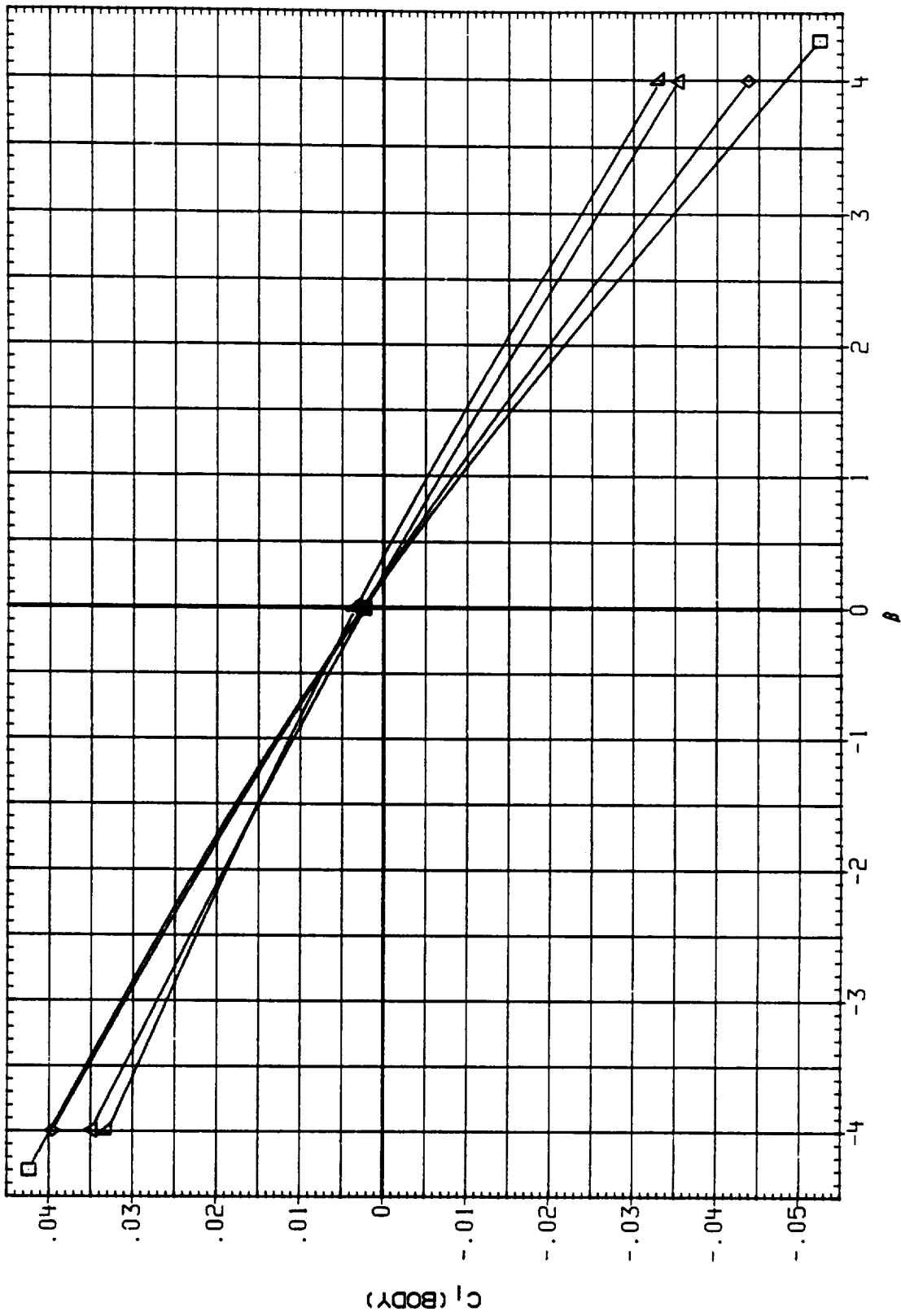


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0009	IAG13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.100	TOP	10.000	9.000
RC0006	IAG13A1AEDC 161F-829) OT1000R OF F1+ASRM, PLU. OFF	1.100	TOP	10.000	9.000
RC0034	IAG13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.100	TOP	10.000	9.000
RC0020	IAG13A1AEDC 161F-829) B/L OT + ASRM, PLUMES 51.2	1.100	TOP	10.000	9.000
RC0047	IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2	1.100	TOP	10.000	9.000

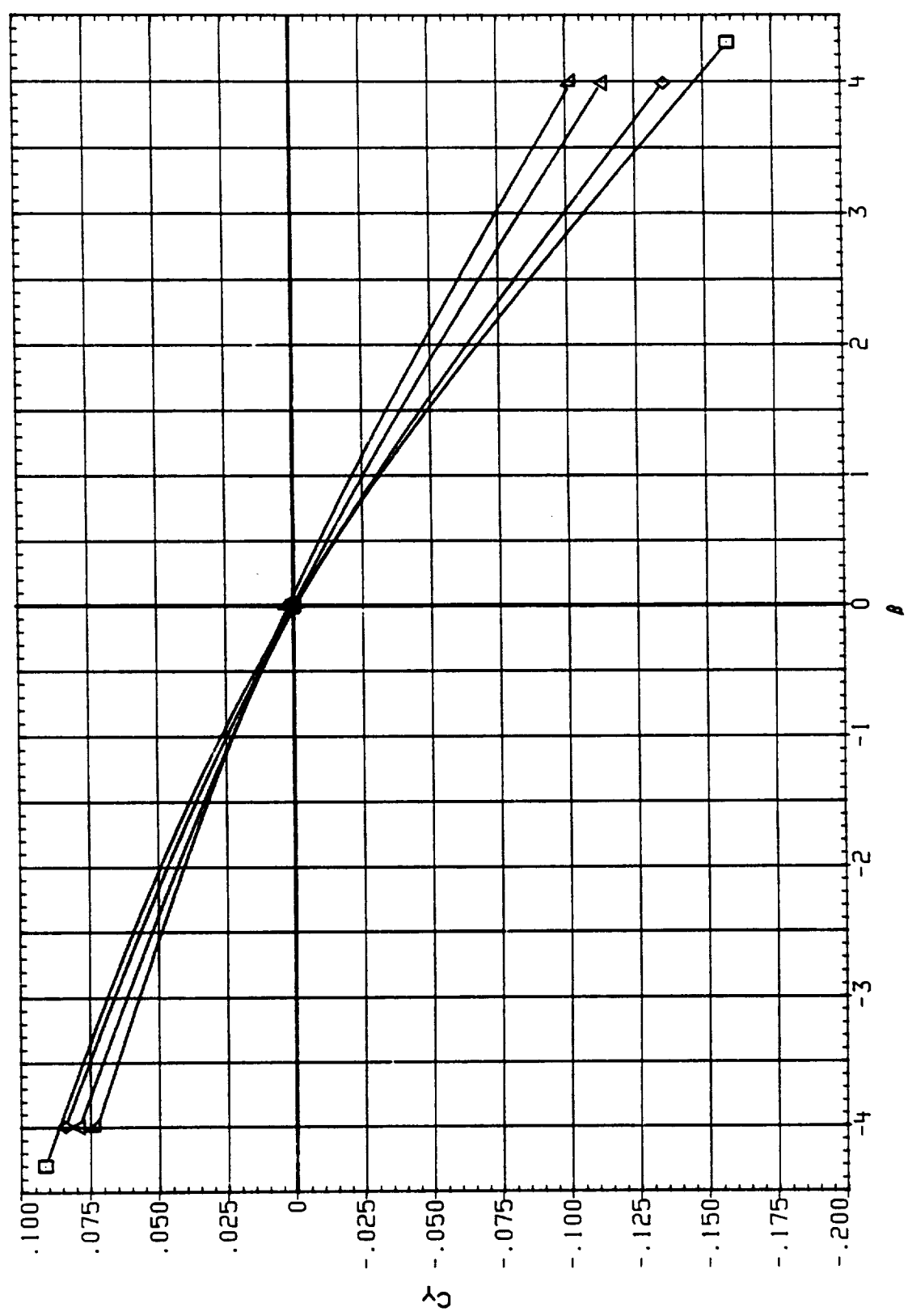


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00E9	I A613A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.100	TOP	10.000	9.000
RC0006	I A613A1AEDC 16TF-829) OT(DOOR OFF)+RSRM, PLU. OFF	1.100	TOP	10.000	9.000
RC0034	I A613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.100	TOP	10.000	9.000
RC0020	I A613A1AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2	1.100	TOP	10.000	9.000
RC0047	I A613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.100	TOP	10.000	9.000

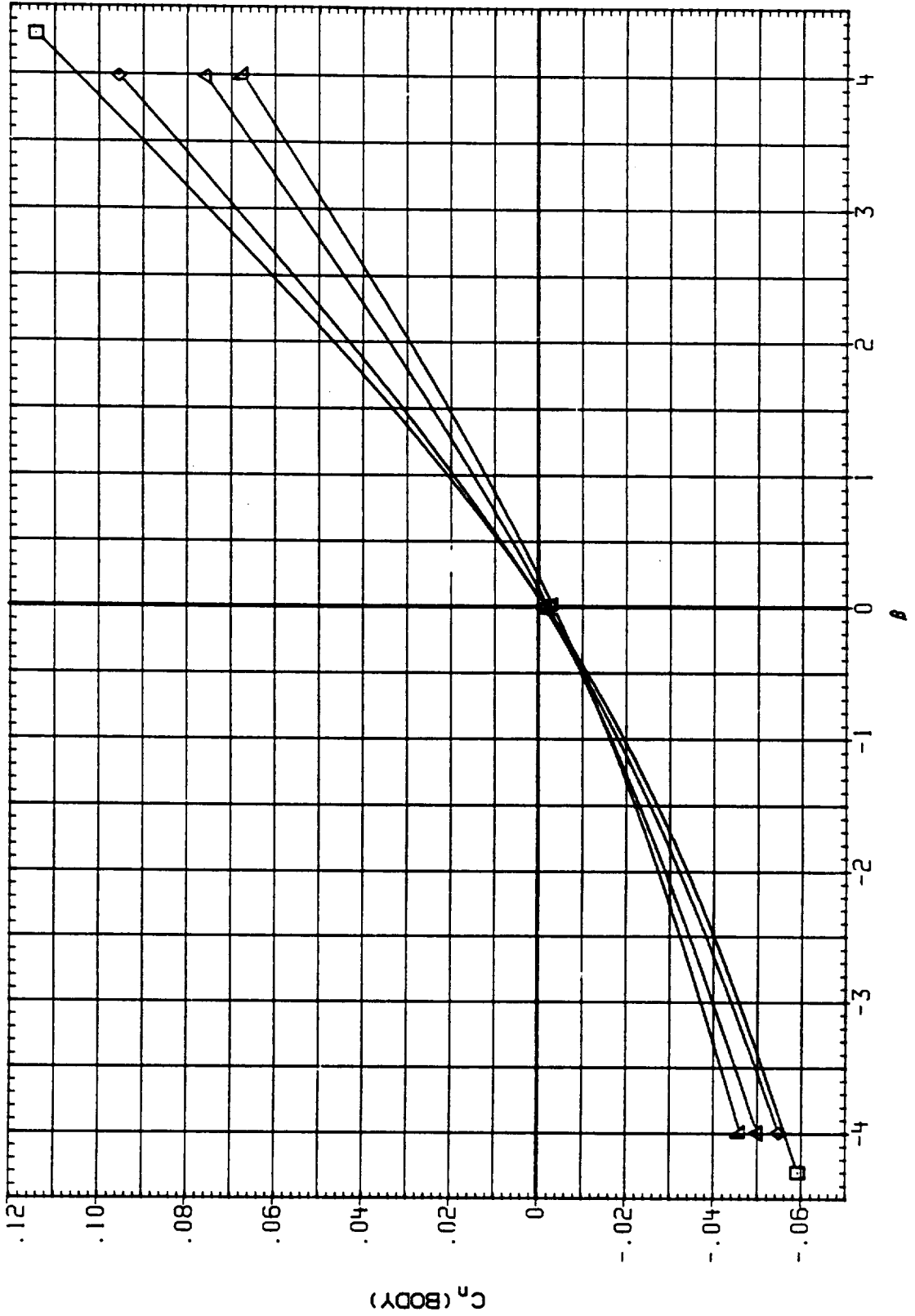


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00E9	I A613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.100	TOP	10.000	9.000
RC0006	I A613A(AEDC 16TF-829) OT(OOOR OFF)+ASRM, PLU. OFF	1.100	TOP	10.000	9.000
RC0034	I A613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.100	TOP	10.000	9.000
RC0020	I A613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES SI.2	1.100	TOP	10.000	9.000
RC0047	I A613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES SI.2	1.100	TOP	10.000	9.000

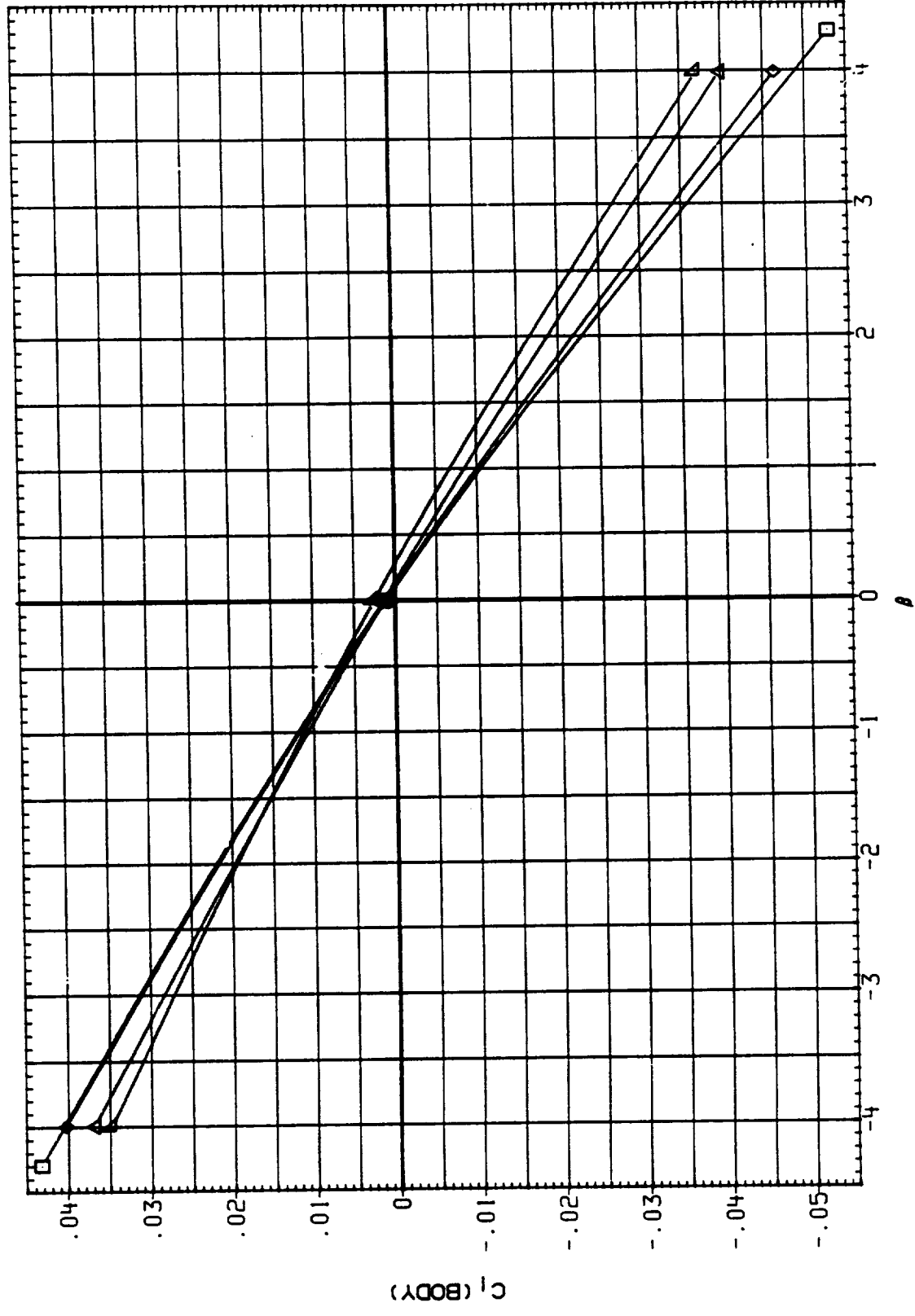


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
RC00F0	14613A1AEDC 161F-829) B/L OT * RSRM, PLUMES OFF	1.150	TOP	10.000	9.000
RC0007	14613A1AEDC 161F-829) OT(000R OFF)*RSRM,PLU. OFF	1.150	TOP	10.000	9.000
RC0035	14613A1AEDC 161F-829) B/L OT * ASRM, PLUMES OFF	1.150	TOP	10.000	9.000
RC0021	14613A1AEDC 161F-829) B/L OT * RSRM+PLUMES S1.2	1.150	TOP	10.000	9.000
RC0048	14613A1AEDC 161F-829) B/L OT * ASRM+PLUMES S1.2	1.150	TOP	10.000	9.000

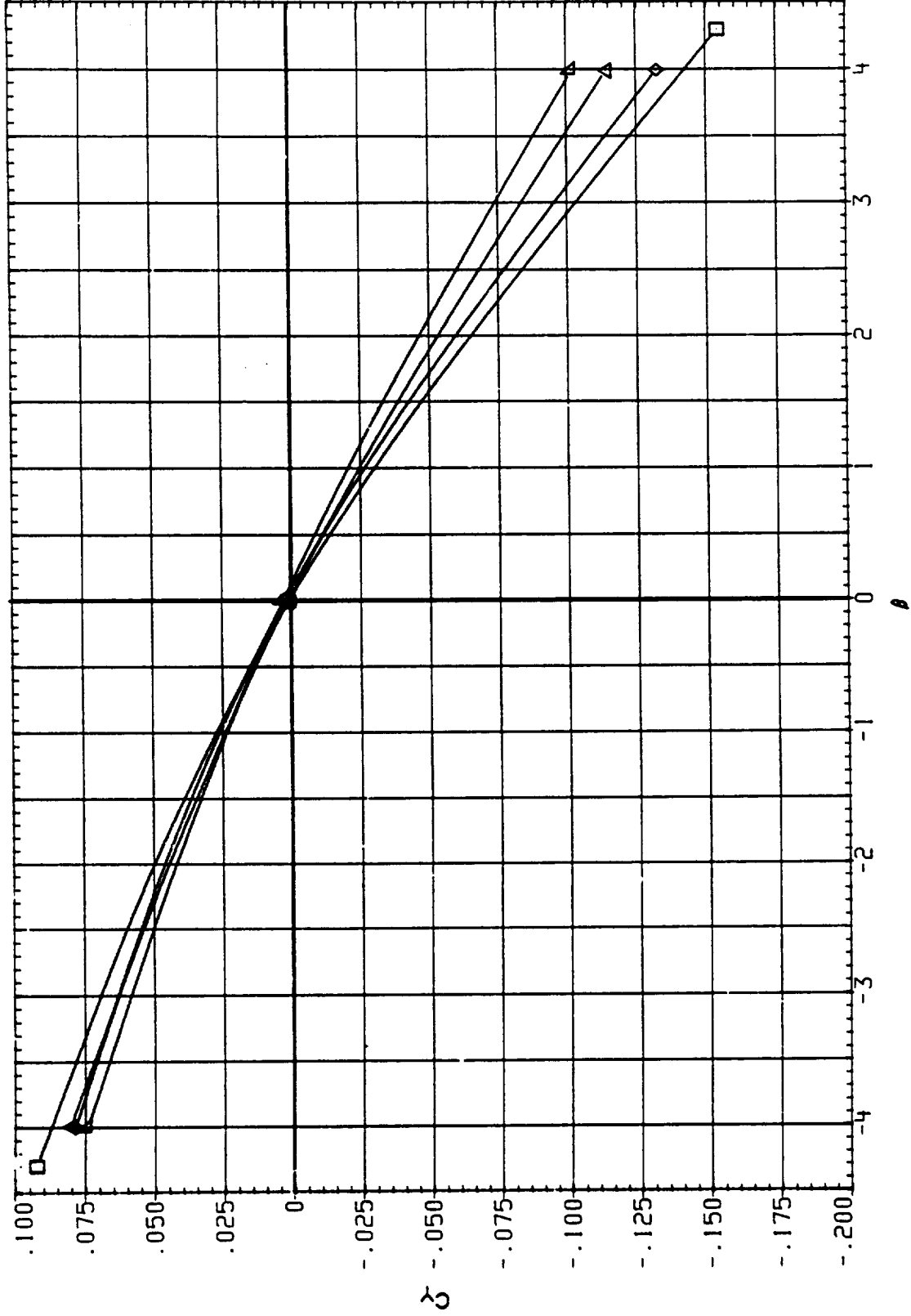


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

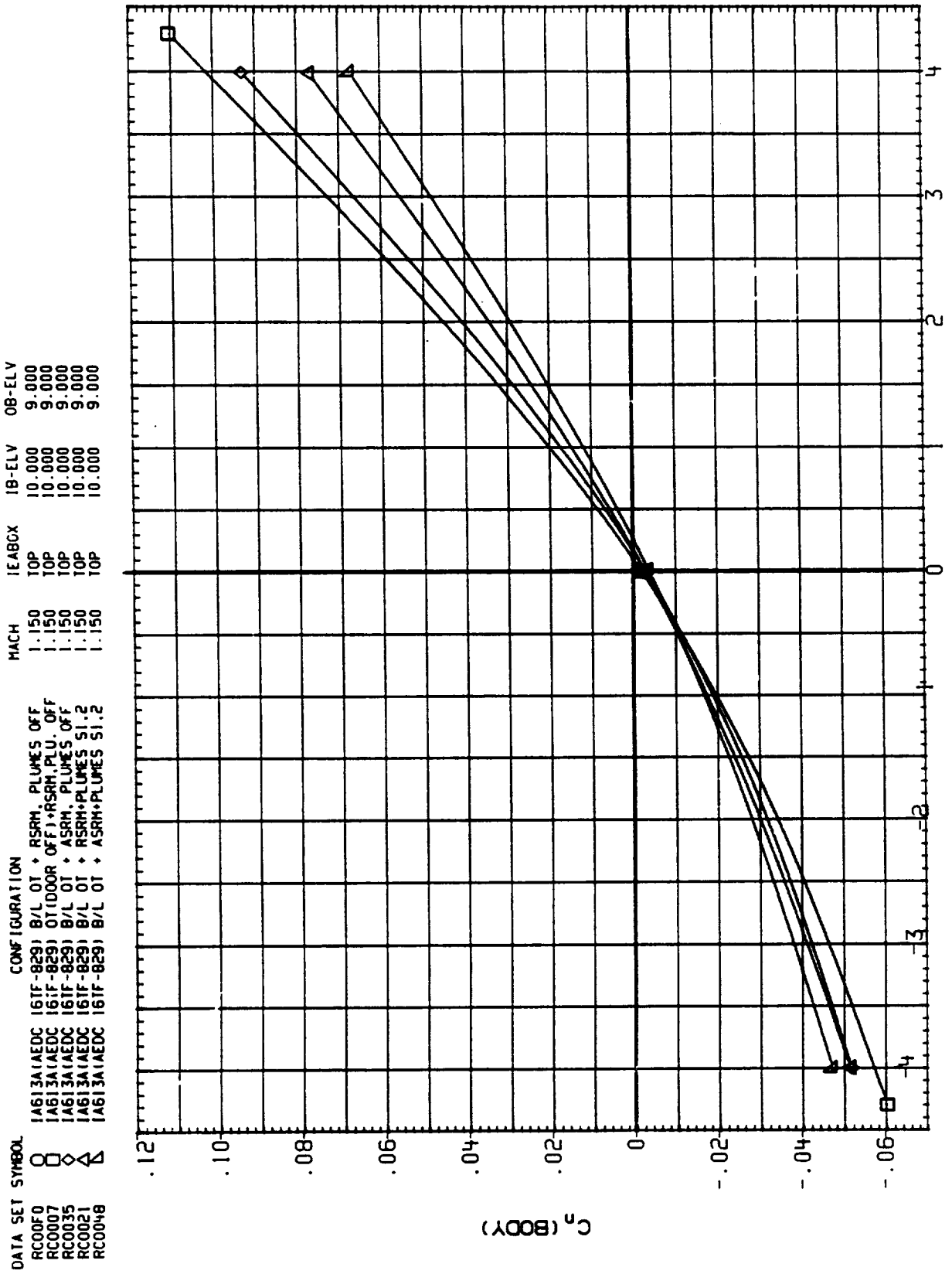


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

() ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IE-BOX	IB-ELV	OB-ELV
RC00F0	□	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.150	TOP	10.000	9.000
RC0007	◇	IA613A(AEDC 161F-829) OT(DOOR OFF)+PSRM, PLU. OFF	1.150	TOP	10.000	9.000
RC0035	◇	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.150	TOP	10.000	9.000
RC0021	△	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES 51.2	1.150	TOP	10.000	9.000
RC0048	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2	1.150	TOP	10.000	9.000

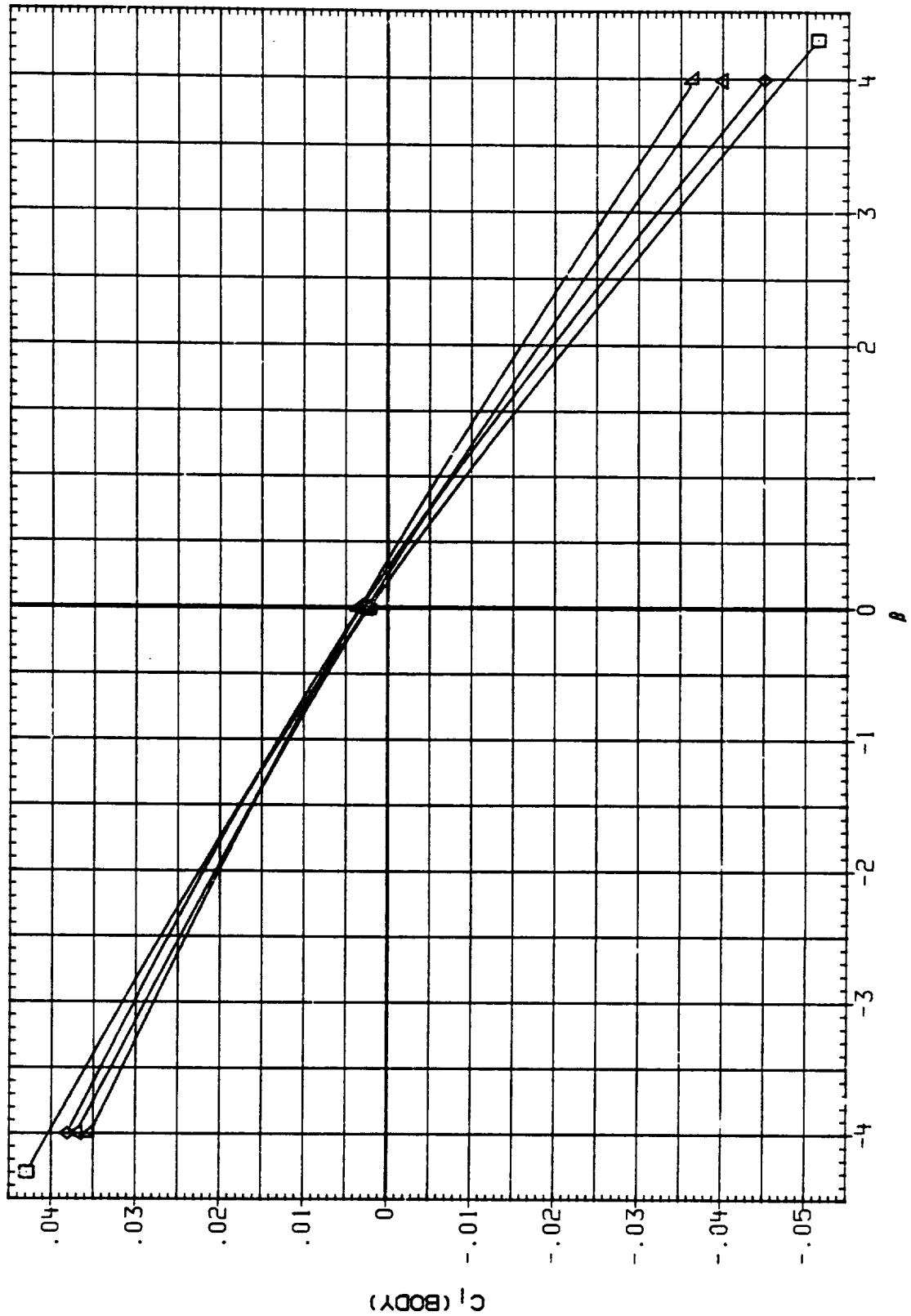


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

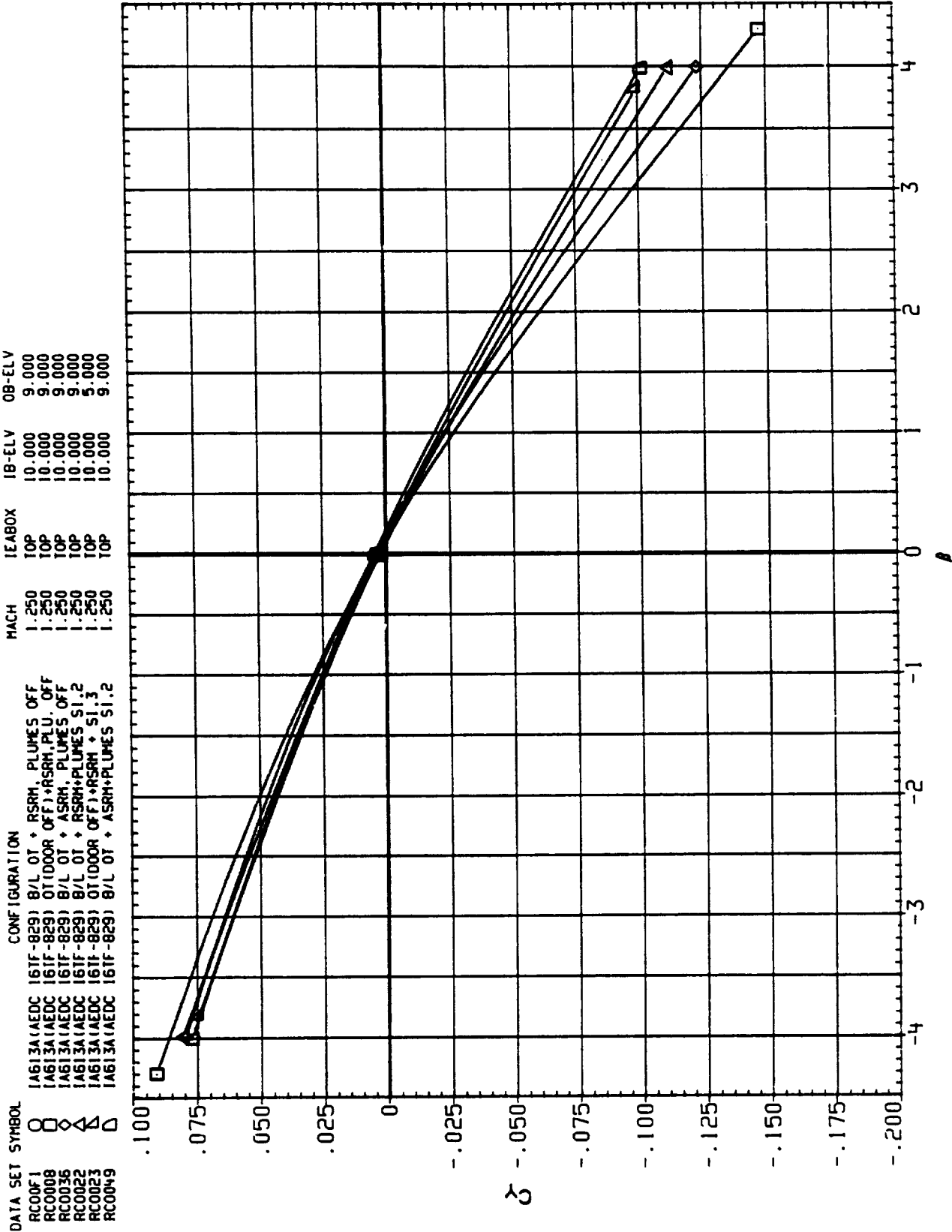


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

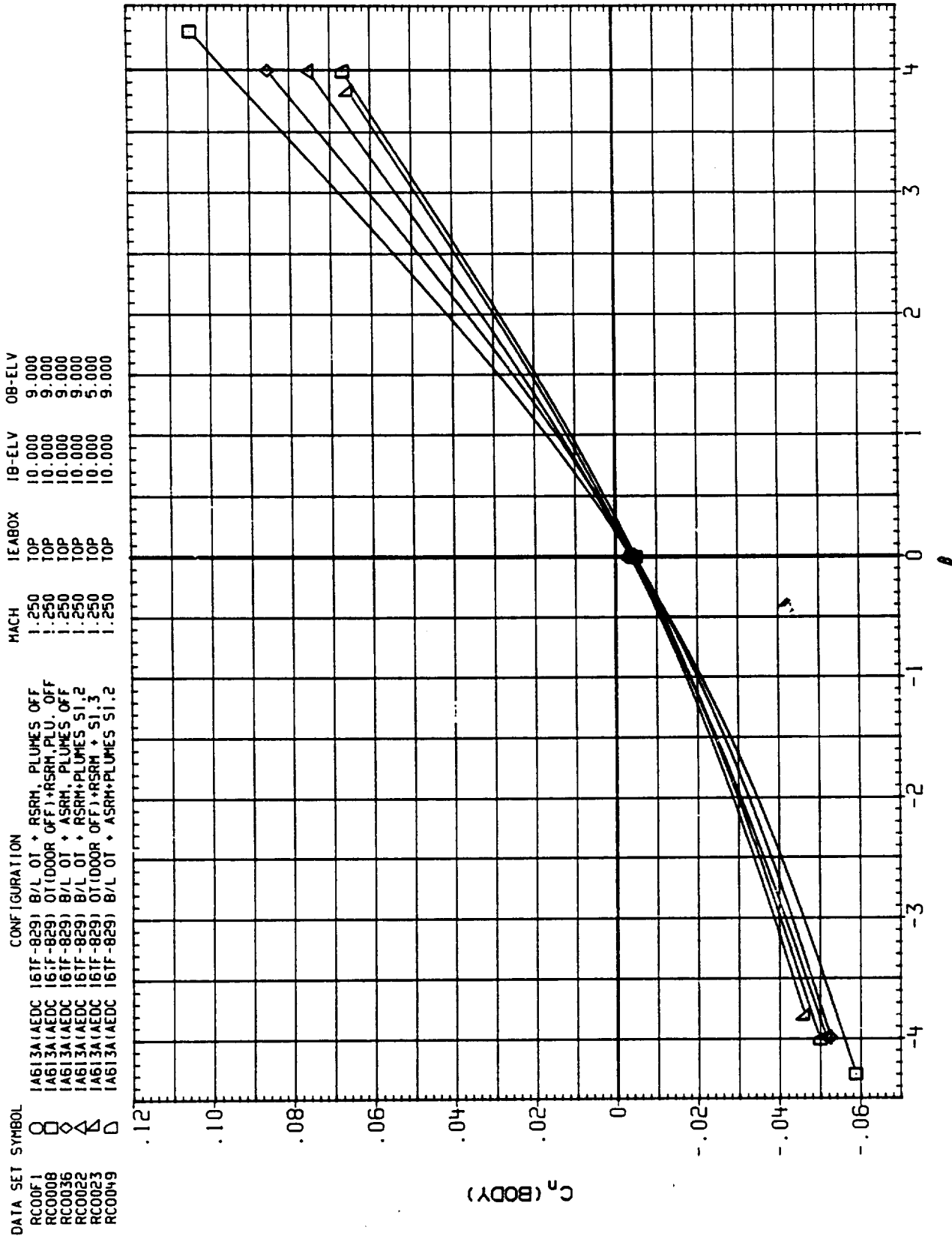


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

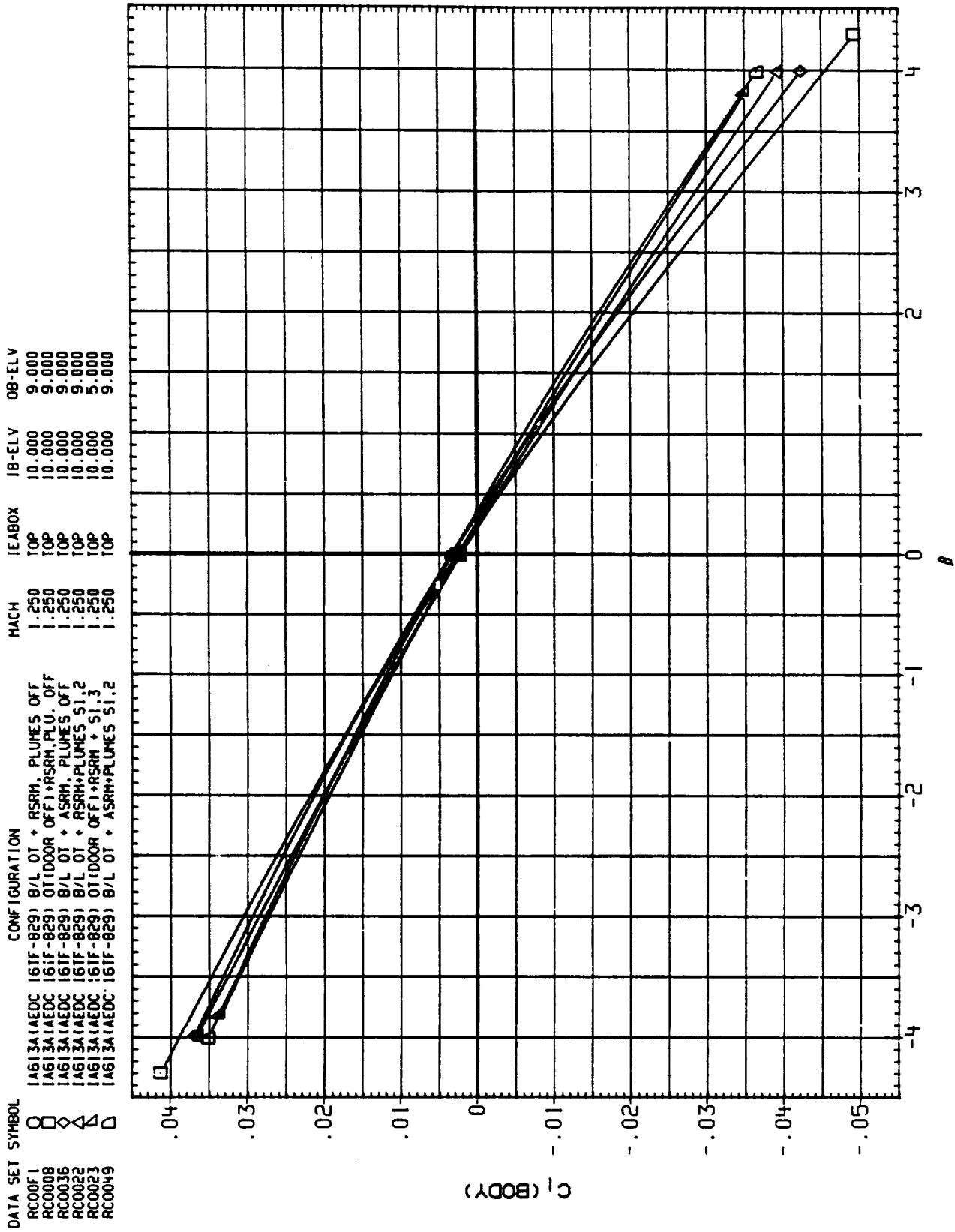


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

() ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0010	IA613A(AEDC 161F-829) 0T(1000R OFF)+RSRM+PLU. OFF	1.300	TOP	10.000	5.000
RC0038	IA613A(AEDC 161F-829) 8/L OT + ASRM+PLUMES OFF	1.300	TOP	10.000	5.000
RC0046	IA613A(AEDC 161F-829) 8/L OT + RSRM+PLUMES S1.3	1.300	TOP	10.000	5.000
RC0024	IA613A(AEDC 161F-829) 0T(1000R OFF)+RSRM + S1.3	1.300	TOP	10.000	5.000
RC0054	IA613A(AEDC 161F-829) 8/L OT + ASRM+PLUMES S1.3	1.300	TOP	10.000	5.000

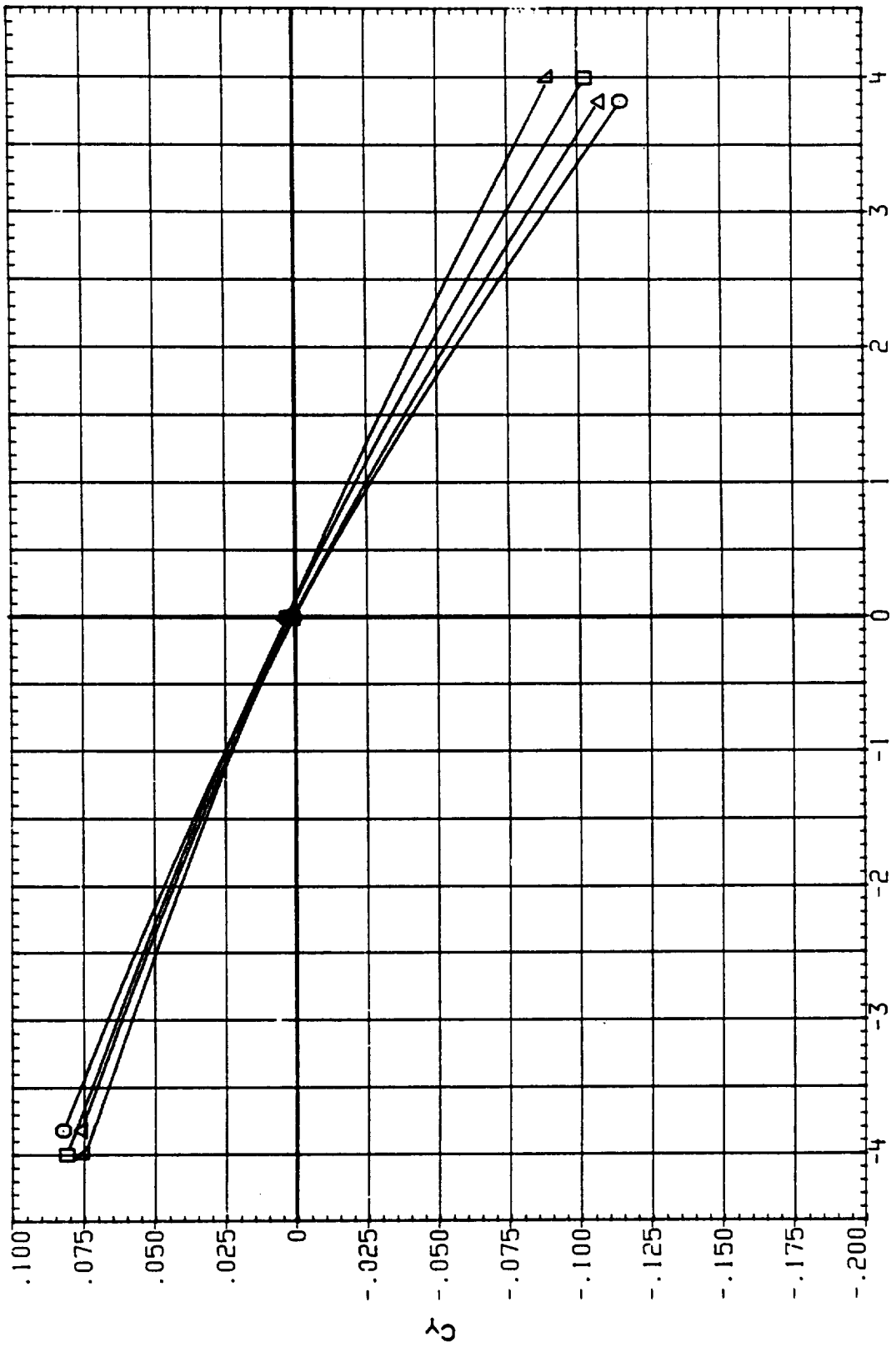


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

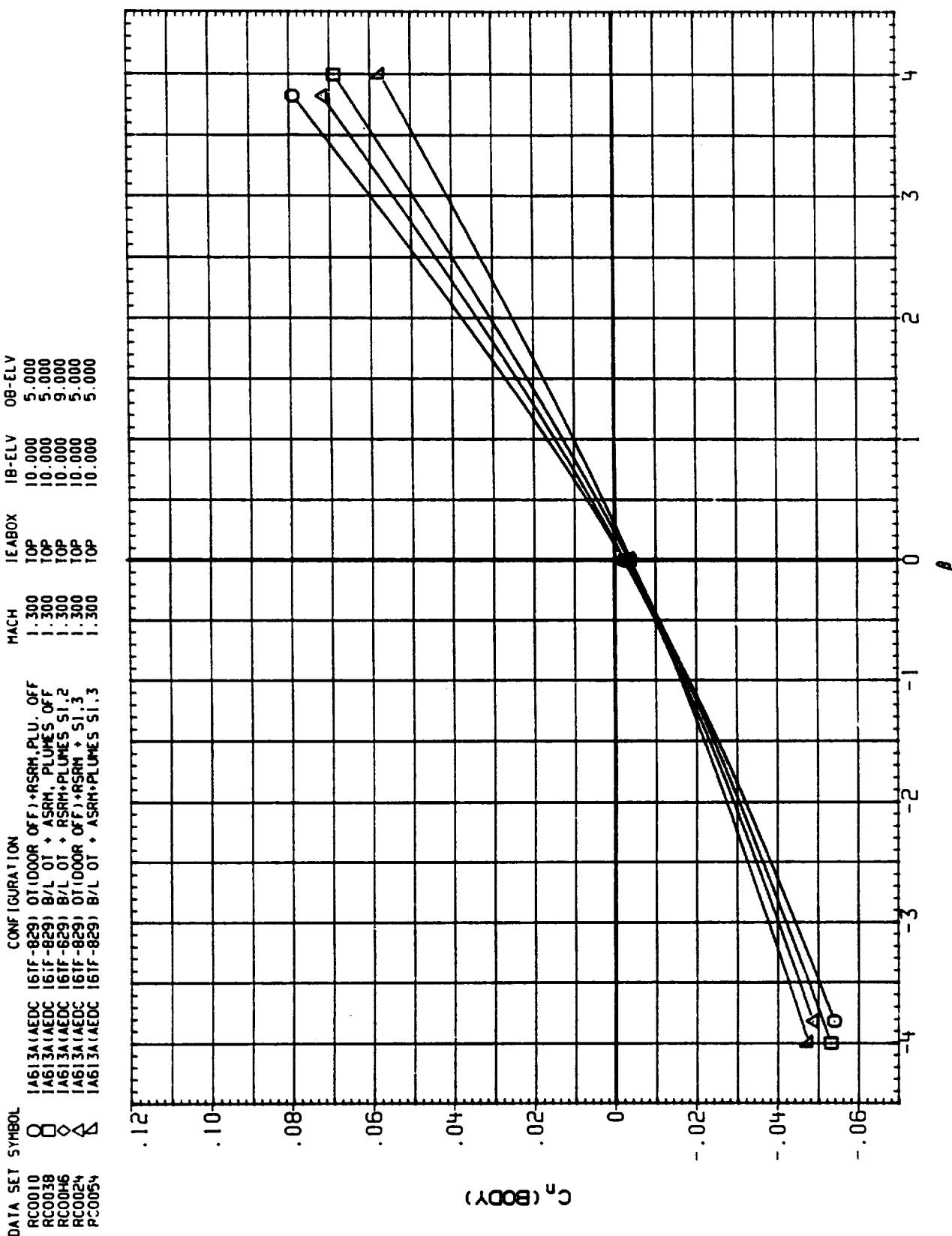


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

() ALPHA = .00

DATA SET SYMBOL
 RC0010 □
 RC0038 ○
 RC00H6 ◇
 RC0024 △
 RC0054 ▲

CONFIGURATION

IAGI3A(AEDC 16TF-829) OT(DDOR OFF)+RSRM,PLU. OFF
 IAGI3A(AEDC 16IF-829) B/L OT + ASRM, PLUMES OFF
 IAGI3A(AEDC 16TF-829) B/L OT + RSRM+PLUMES 51.2
 IAGI3A(AEDC 16TF-829) OT(DDOR OFF)+RSRM + 51.3
 IAGI3A(AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.3

MACH
 1.300
 1.300
 1.300
 1.300
 1.300

IEABOX
 TOP
 TOP
 TOP
 TOP
 TOP

IB-ELV
 10.000
 10.000
 10.000
 10.000
 10.000

OB-ELV
 5.000
 5.000
 9.000
 5.000
 5.000

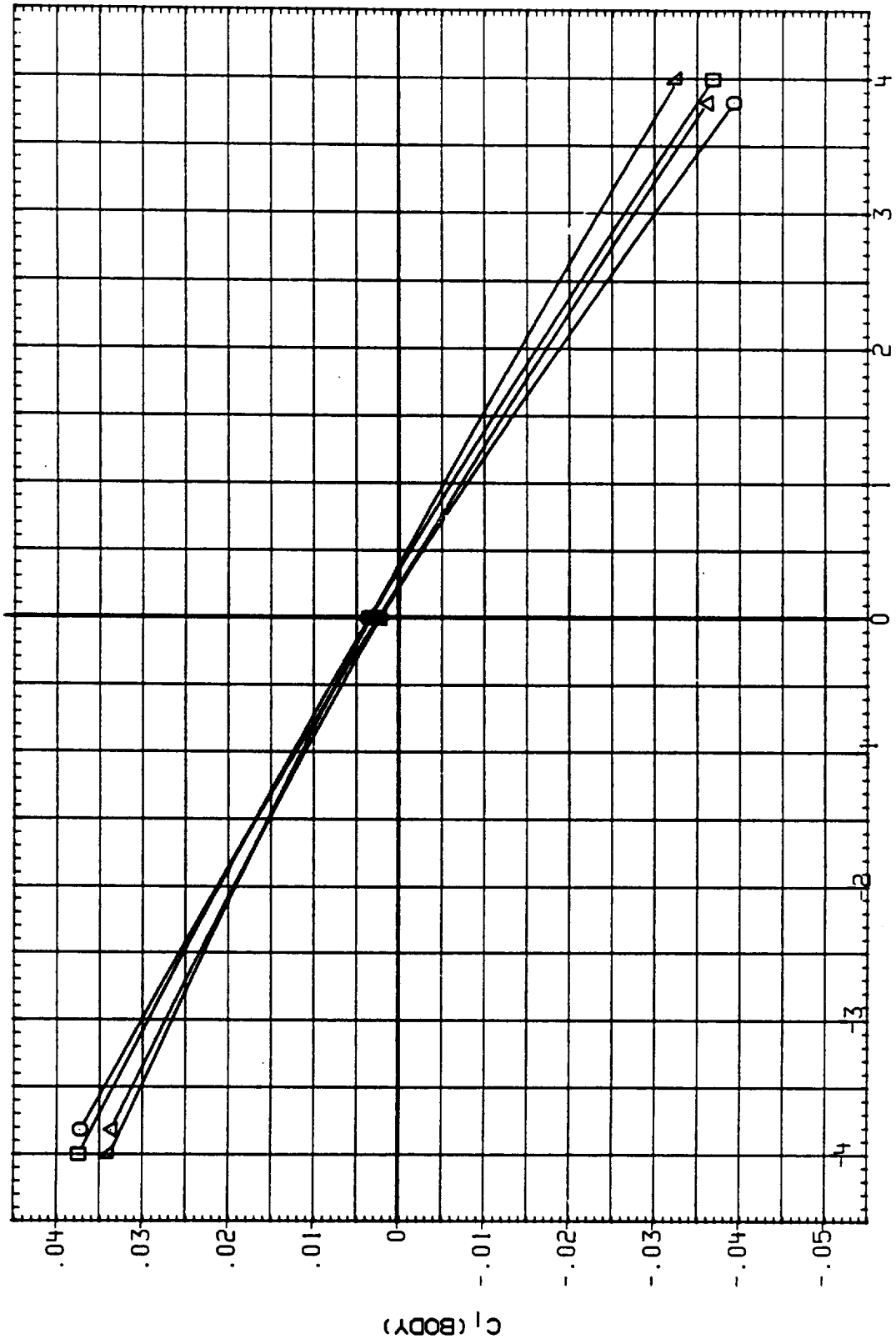


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	SCALE	TYPE	HEIGHT
RC00F2	IAG13A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.350	TOP	9.000
RC0011	IAG13A1AEDC 16TF-829) OT(000R OFF)+RSRM, PLU. OFF	1.350	TOP	5.000
RC0039	IAG13A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.350	TOP	5.000
RC00H7	IAG13A1AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2	1.350	TOP	9.000
RC0025	IAG13A1AEDC 16TF-829) OT(000R OFF)+RSRM + S1,3	1.350	TOP	5.000
RC0055	IAG13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3	1.350	TOP	5.000

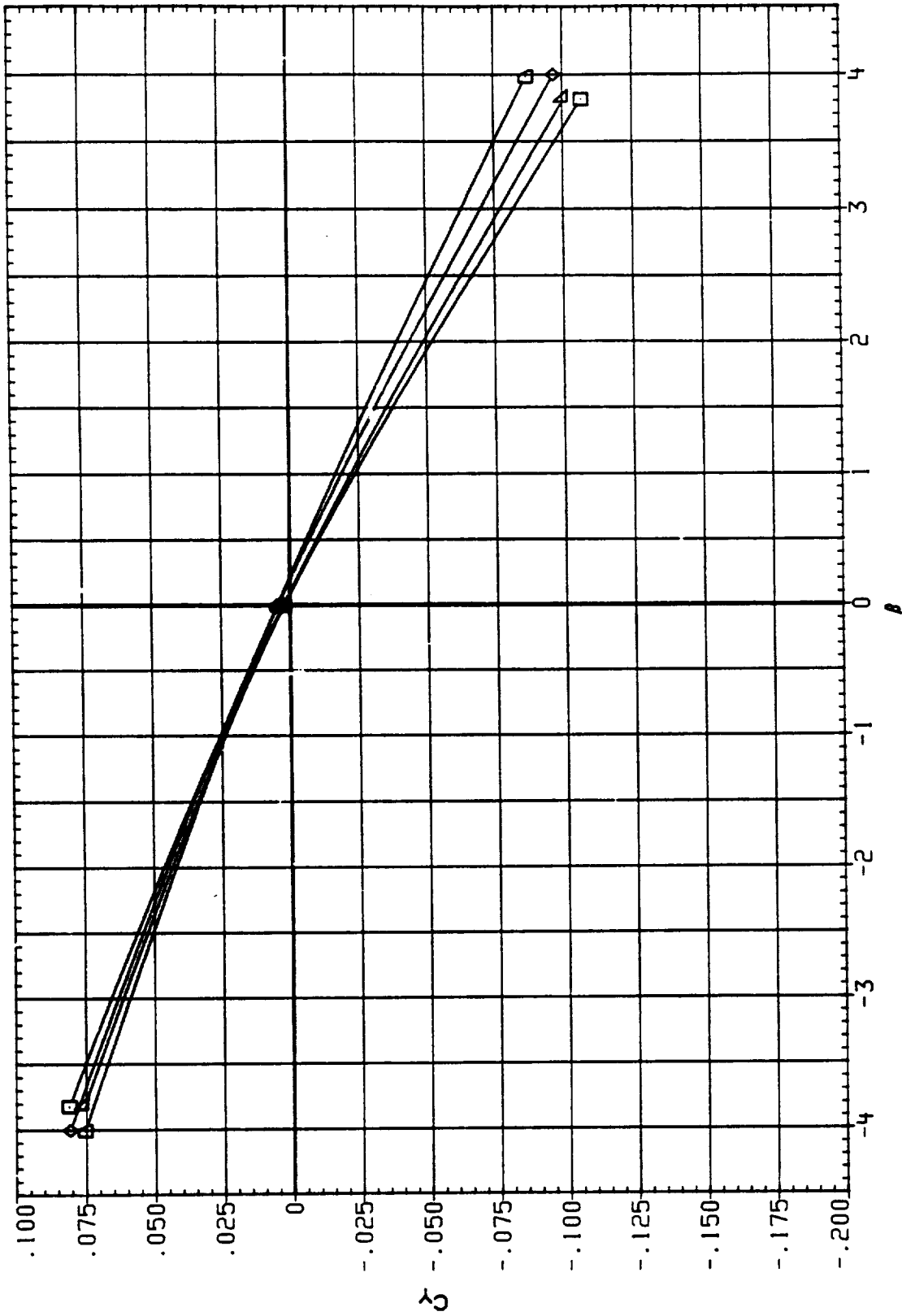


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

CONFIGURATION

1.350 TOP 10.000 3.000
 1.350 TOP 10.000 5.000
 1.350 TOP 10.000 5.000
 1.350 TOP 10.000 9.000
 1.350 TOP 10.000 5.000
 1.350 TOP 10.000 5.000

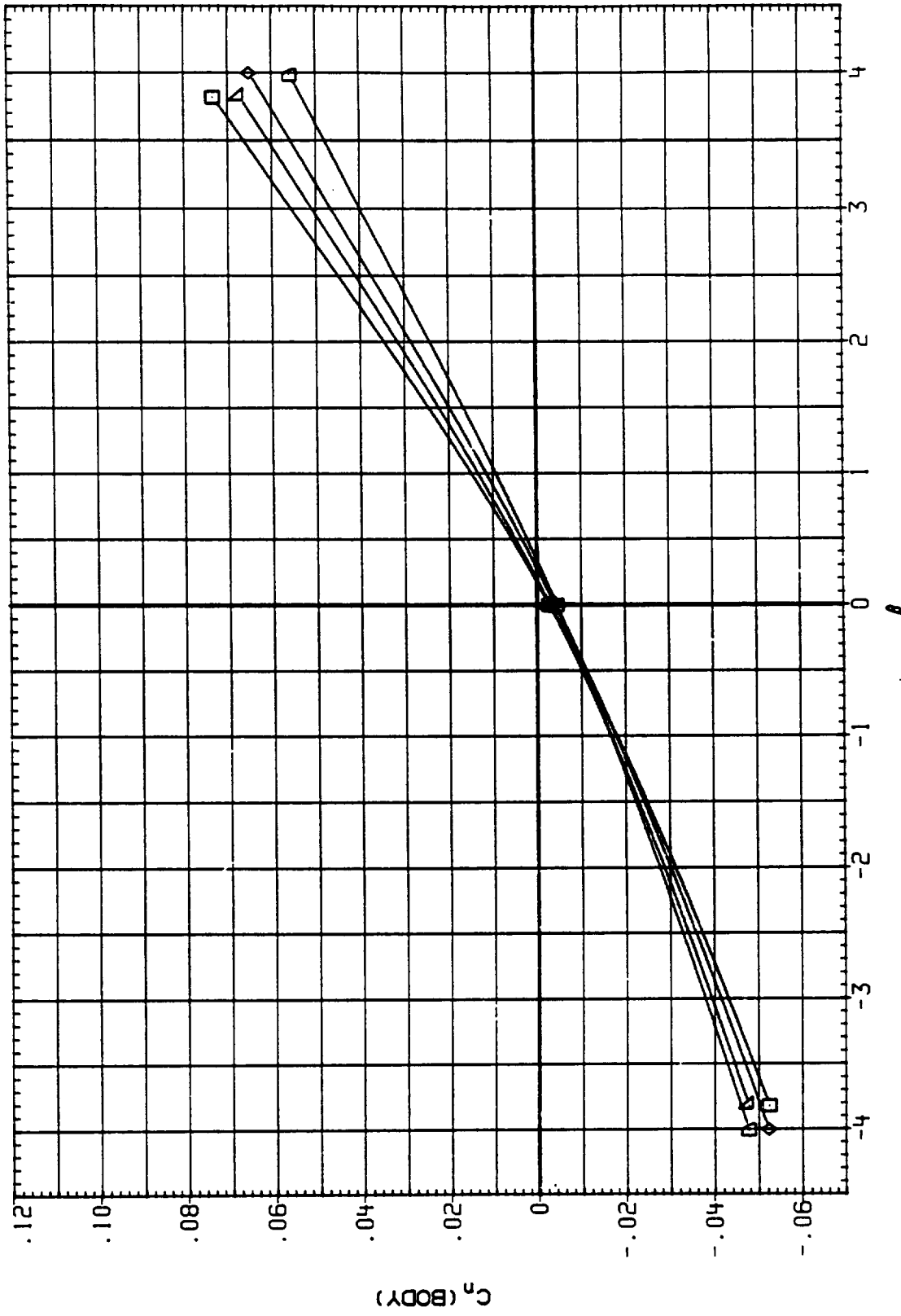


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

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DATA SET SYMBOL	CONFIGURATION	MAJ. H	CLASDA	CLASDA	CLASDA
RC00F2	I A613A(AEDC 161F-829) B/L OT + RSRH, PLUMES OFF	1.350	TOP	10.000	9.000
RC00I1	I A613A(AEDC 161F-829) OT(00OR OFF)+RSRH, PLU. OFF	1.350	TOP	10.000	5.000
RC0039	I A613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.350	TOP	10.000	5.000
RC00H7	I A613A(AEDC 161F-829) B/L OT + RSRH+PLUMES S1,2	1.350	TOP	10.000	9.000
RC00Z5	I A613A(AEDC 161F-829) OT(00OR OFF)+RSRH + S1,3	1.350	TOP	10.000	9.000
RC0055	I A613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1,3	1.350	TOP	10.000	5.000

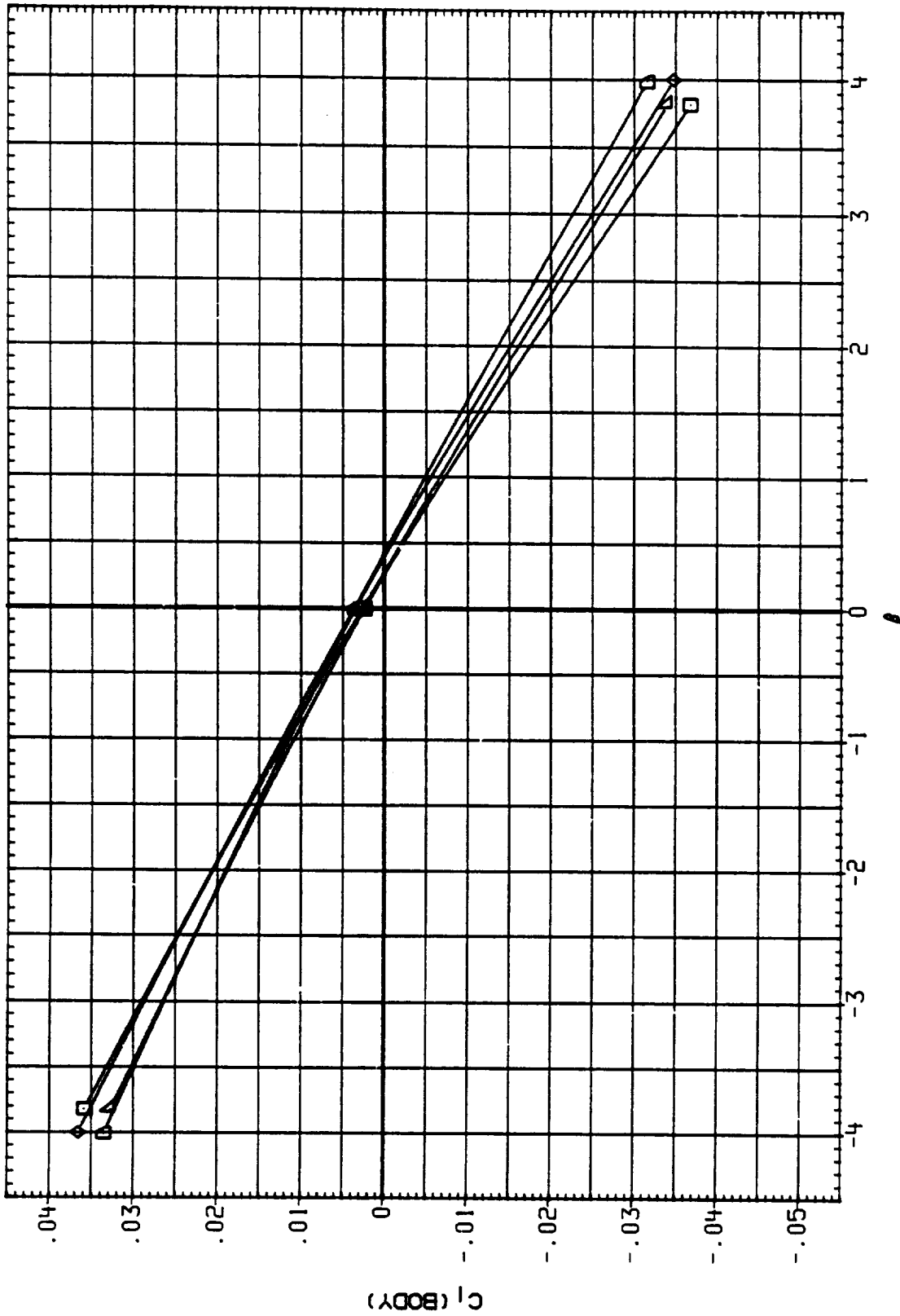


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	WAVE	DEPTH	PERIOD	PERIOD
RC00F3	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.400	TOP	10.000	9.000
RC00I2	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM,PLU. OFF	1.400	TOP	10.000	5.000
RC00H0	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.400	TOP	10.000	5.000
RC00H8	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.400	TOP	10.000	9.000
XC00E6	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRM + S1.3	1.400	TOP	10.000	5.000
RC00S6	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	TOP	10.000	5.000

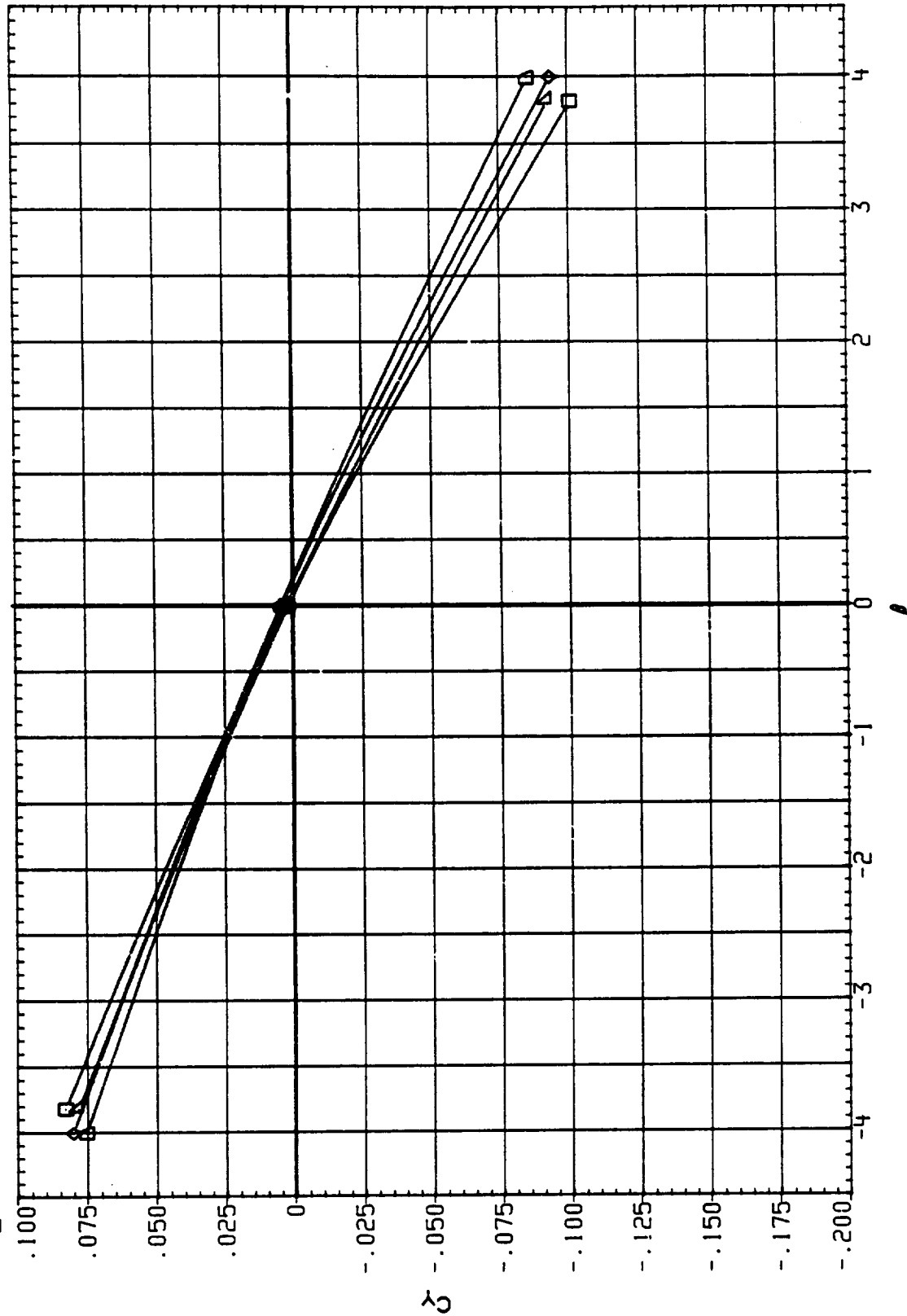


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

ORIGINAL PAGE IS OF POOR QUALITY

DATA SET SYMBOL
 RC00F3
 RC0012
 RC0040
 RC0048
 XC0026
 RC0056

CONFIGURATION

IA613A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF
 IA613A1AEDC 16TF-829) OT+DOOR OFF)+RSRM,PLU. OFF
 IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
 IA613A1AEDC 16TF-829) OT+DOOR OFF)+RSRM + S1.3
 IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3

MACH
 1.400
 1.400
 1.400
 1.400
 1.400

LEASCK
 TOP
 TOP
 TOP
 TOP
 TOP

IS-ELV
 10.000
 10.000
 10.000
 10.000
 10.000

IS-LV
 9.600
 5.070
 5.000
 9.000
 5.000

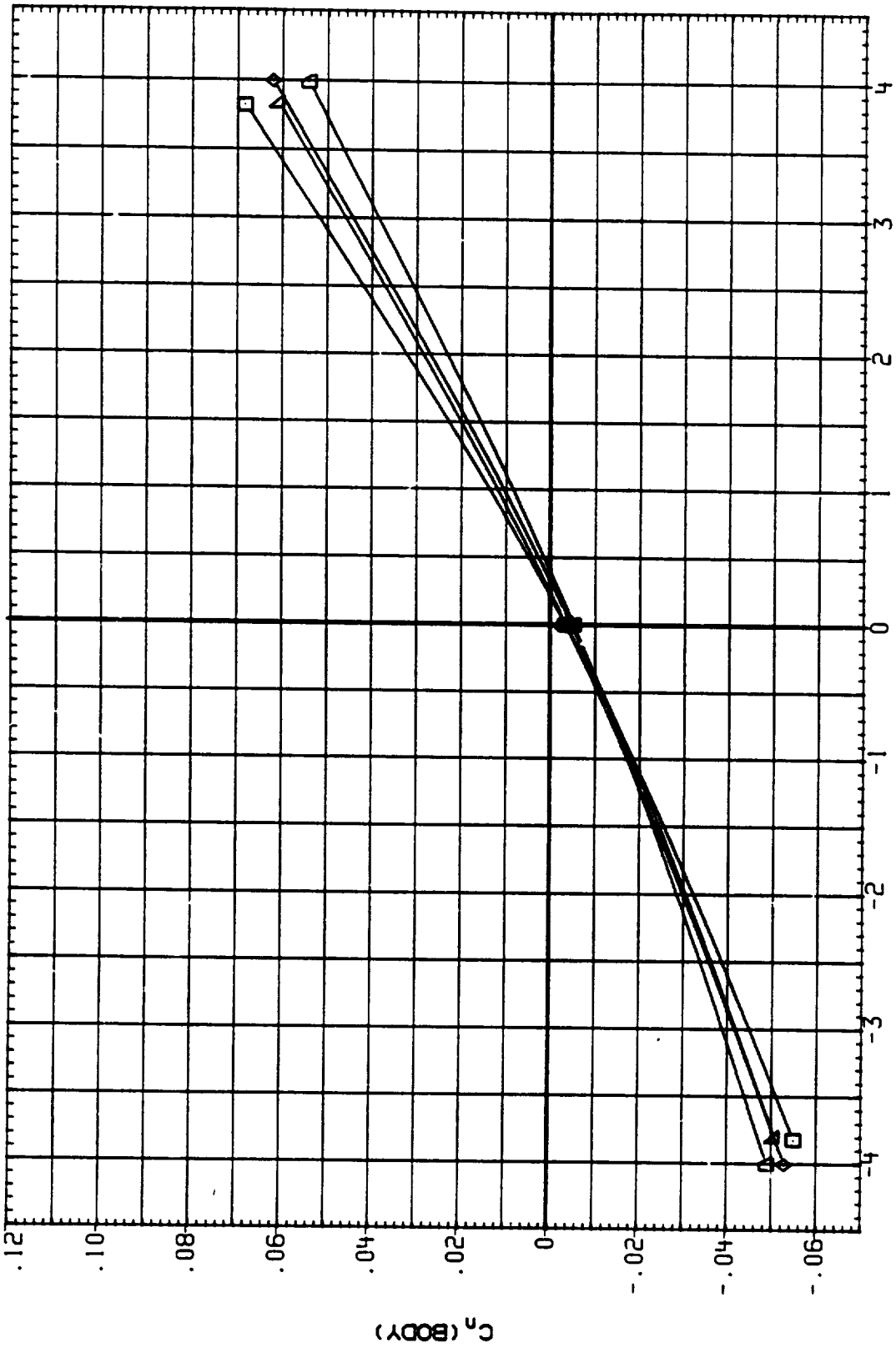


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

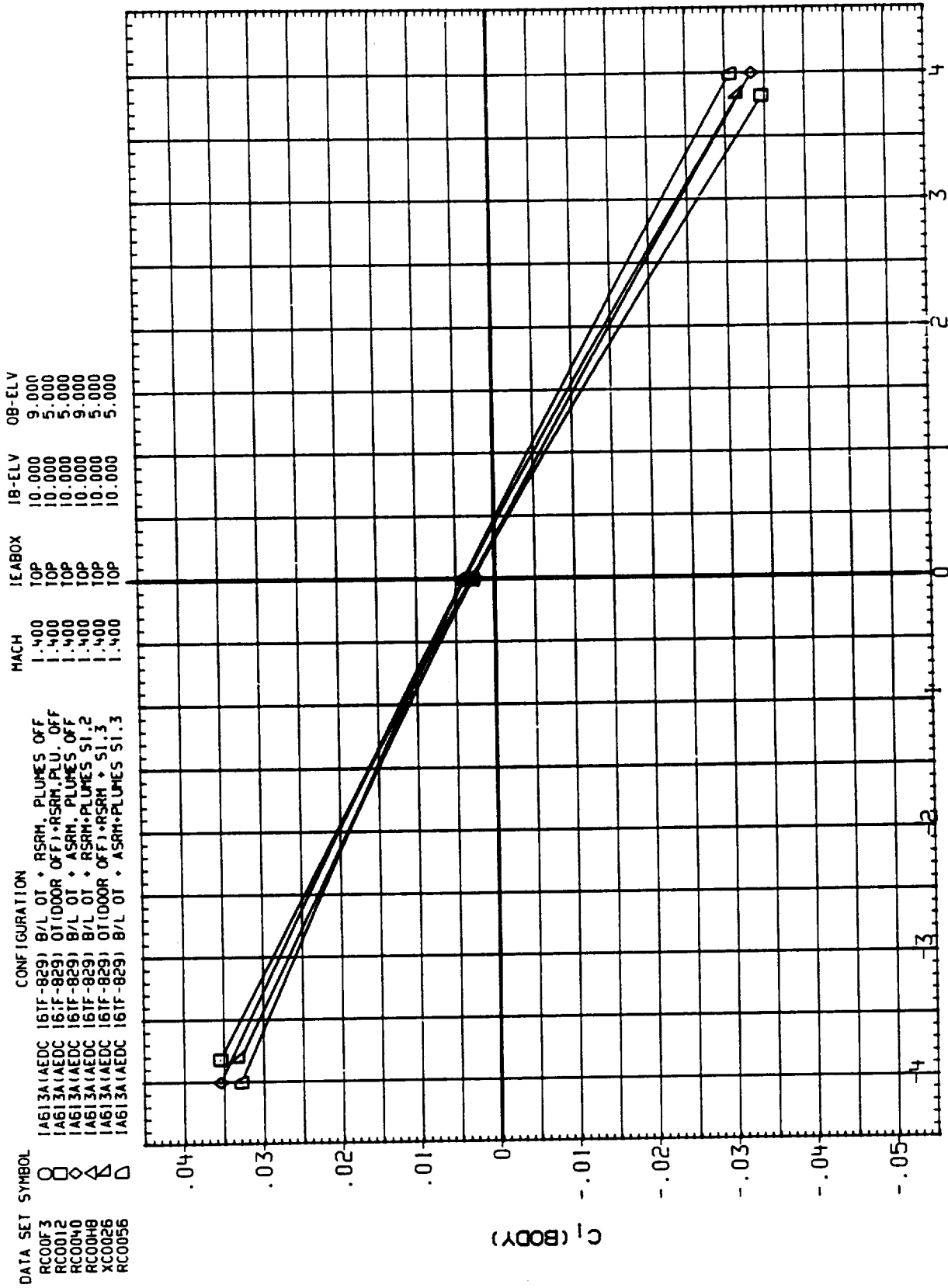


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC00F4	□	IA613A(AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	1.550	TOP	10.000	9.000
RC0014	◇	IA613A(AEDC 161F-829) OT(1000R OFF)+RSRM, PLU. OFF	1.550	TOP	10.000	-5.000
RC00M1	△	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.550	TOP	10.000	5.000
RC00H9	△	IA613A(AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2	1.550	TOP	10.000	9.000
RC0028	△	IA613A(AEDC 161F-829) OT(1000R OFF)+RSRM + S1.3	1.550	TOP	10.000	-5.000
RC0057	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.550	TOP	10.000	5.000

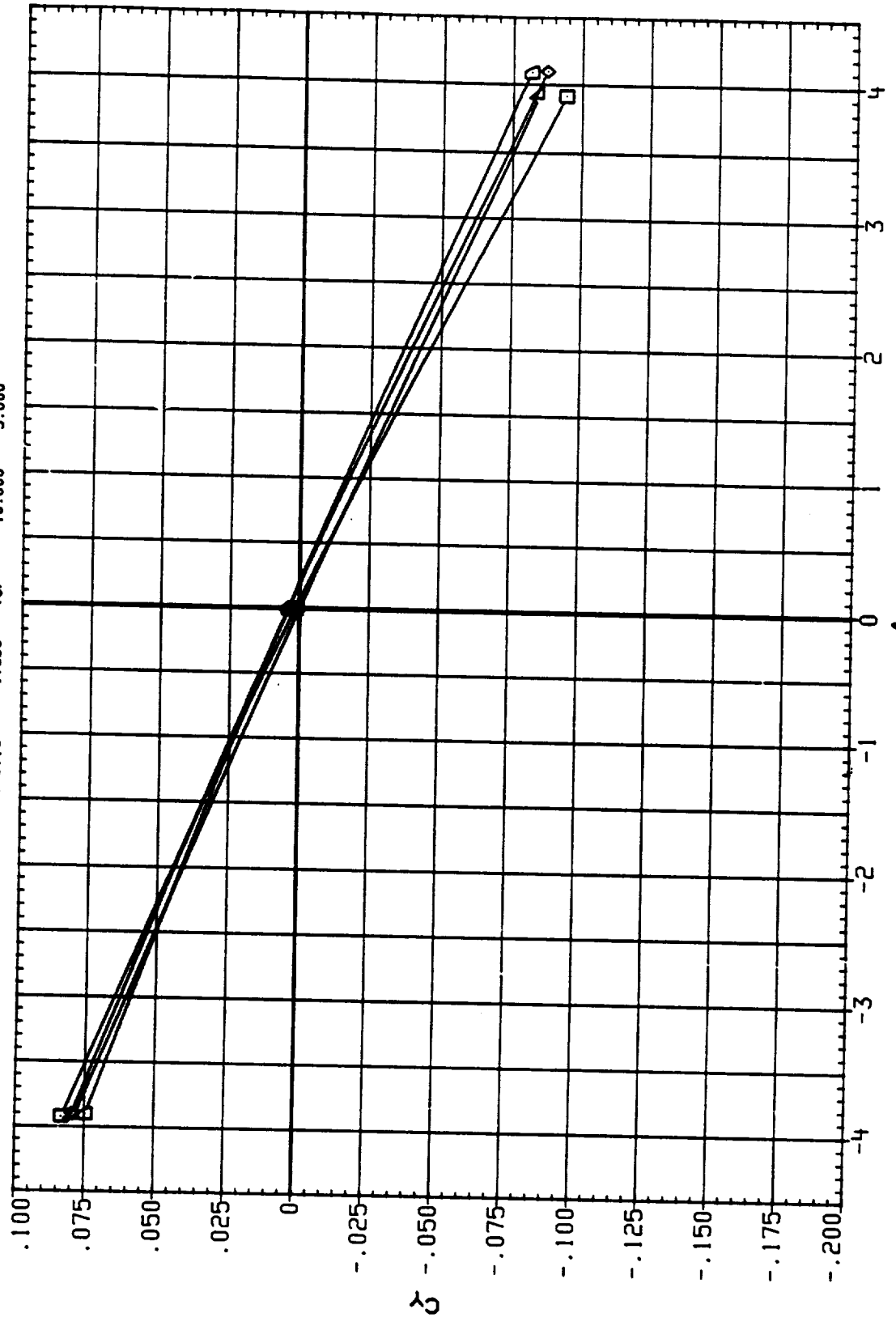


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTION CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	WIND	SEAS/A	PERIOD	DEPTH
RC00F4	I A613A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF	1.550	TOP	10.000	9.000
RC0014	I A613A1AEDC 16TF-829) OT(000R OFF)+RSRM, PLU. OFF	1.550	TOP	10.000	5.000
RC0041	I A613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.550	TOP	10.000	5.000
RC00H9	I A613A1AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2	1.550	TOP	10.000	9.000
RC0028	I A613A1AEDC 16TF-829) OT(000R OFF)+RSRM + S1.3	1.550	TOP	10.000	5.000
RC0057	I A613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.550	TOP	10.000	5.000

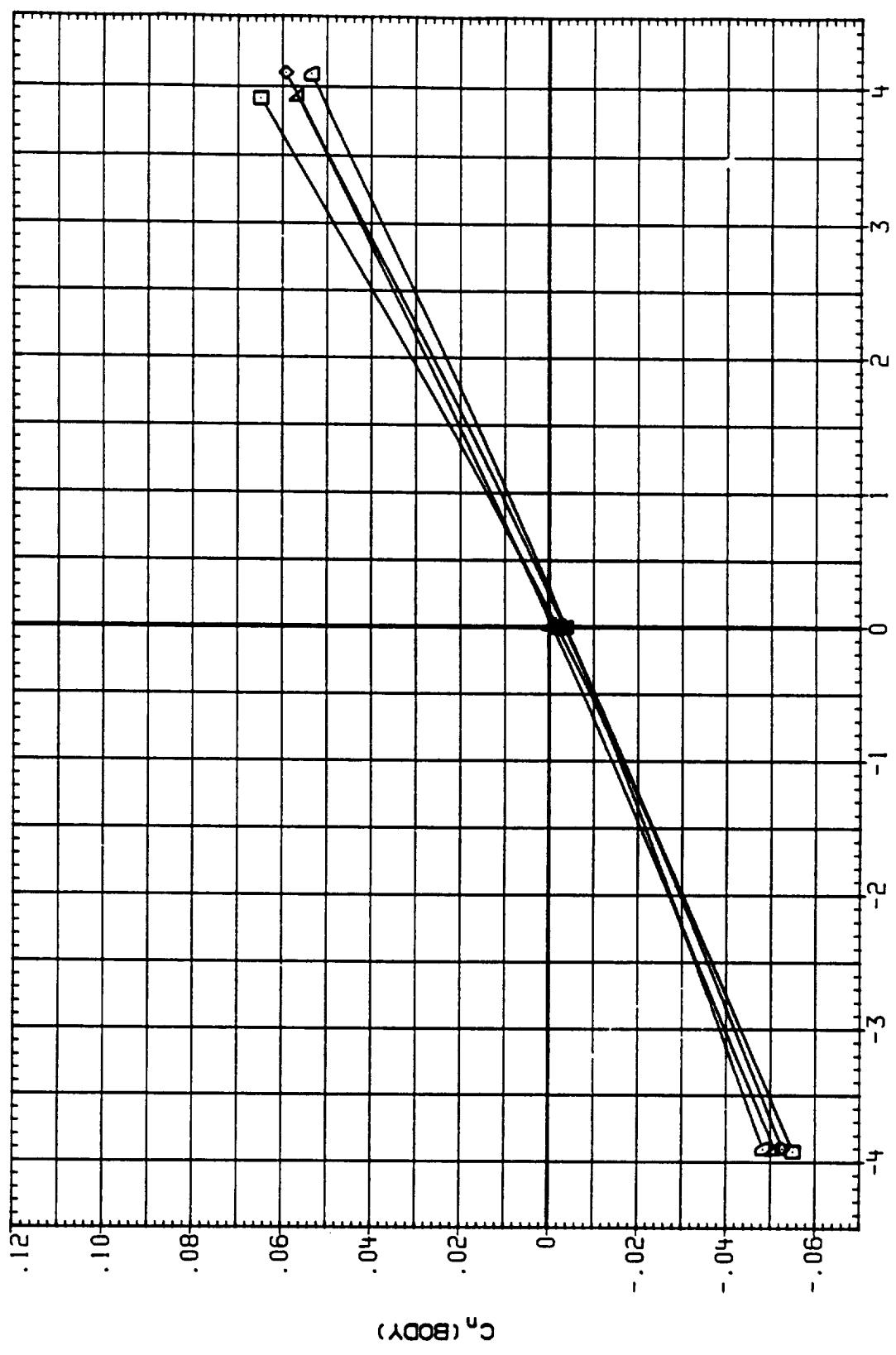


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS
(A) ALPHA = .00

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DATA SET SYMBOL COMPUTATION B/L OT * RSRH, PLUMES OFF TOP 10.000 9.000

RC00F4 O I A613A(AEDC 161F-829) B/L OT * RSRH, PLUMES OFF TOP 10.000 9.000

RC0014 O I A613A(AEDC 161F-829) OT(DOOR OFF)*RSRH, PLU. OFF TOP 10.000 -5.000

RC0041 O I A613A(AEDC 161F-829) B/L OT * ASRH, PLUMES OFF TOP 10.000 5.000

RC0049 O I A613A(AEDC 161F-829) B/L OT * RSRH+PLUMES S1,2 TOP 10.000 9.000

RC0028 O I A613A(AEDC 161F-829) OT(DOOR OFF)*RSRH * S1,3 TOP 10.000 -5.000

RC0057 O I A613A(AEDC 161F-829) B/L OT * ASRH+PLUMES S1,3 TOP 10.000 5.000

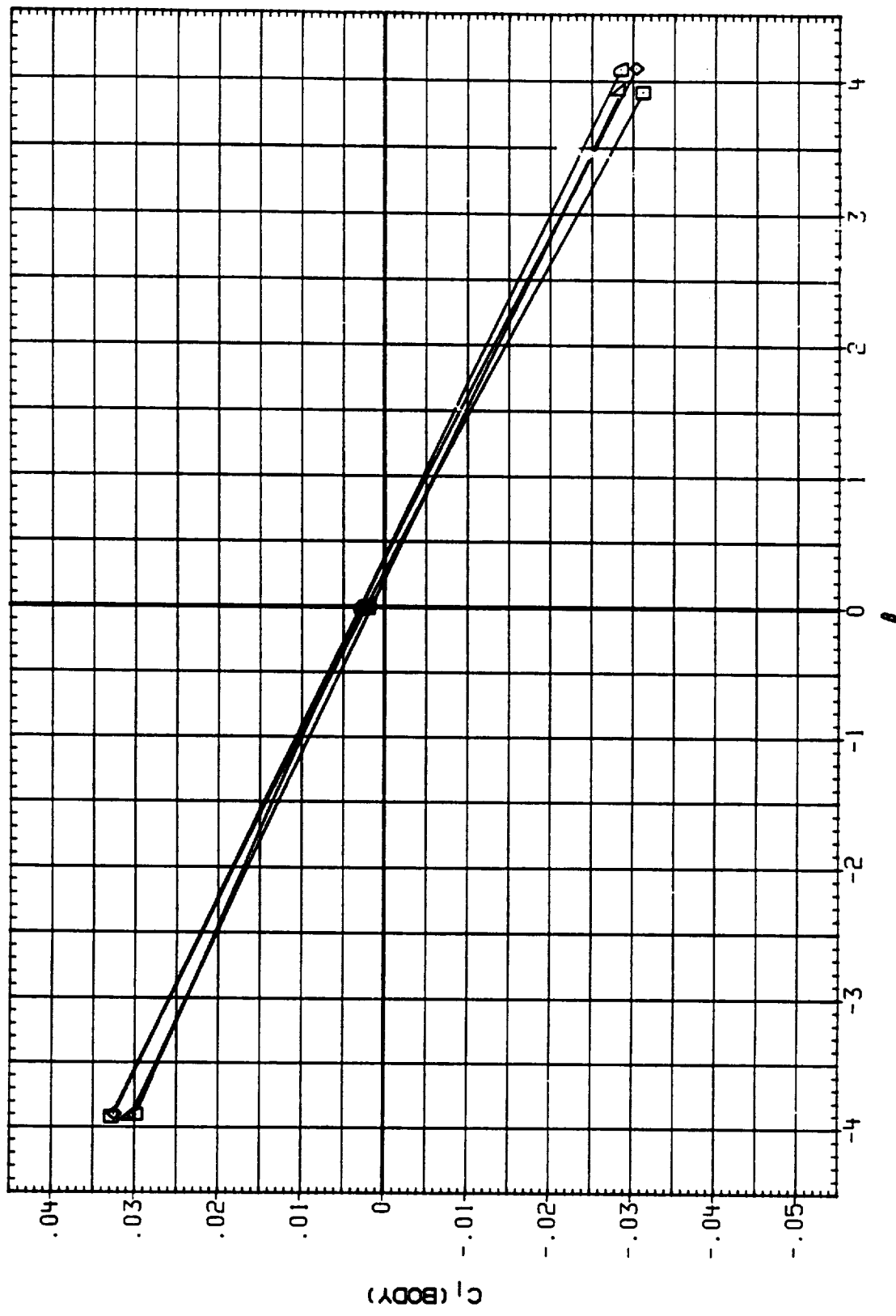


FIG. 3 EFFECT OF ASRM AND PLUMES LATERAL-DIRECTIONAL CHARACTERISTICS
 (A) ALPHA = .00

DATA SET SYMBOL CONFIGURATION LEVEL

MCORR1 O I A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF TOP

MCORR2 ◊ I A613A1AEDC 161F-829) 011000R OFF + RSRM, PLU. OFF TOP

MCORR3 ◊ I A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF TOP

MCORR4 △ I A613A1AEDC 161F-829) B/L OT + RSRM + PLUMES S1.2 TOP

MCORR5 △ I A613A1AEDC 161F-829) 011000R OFF + RSRM + S1.3 TOP

MCORR6 ▽ I A613A1AEDC 161F-829) B/L OT + ASRM + PLUMES S1.2 TOP

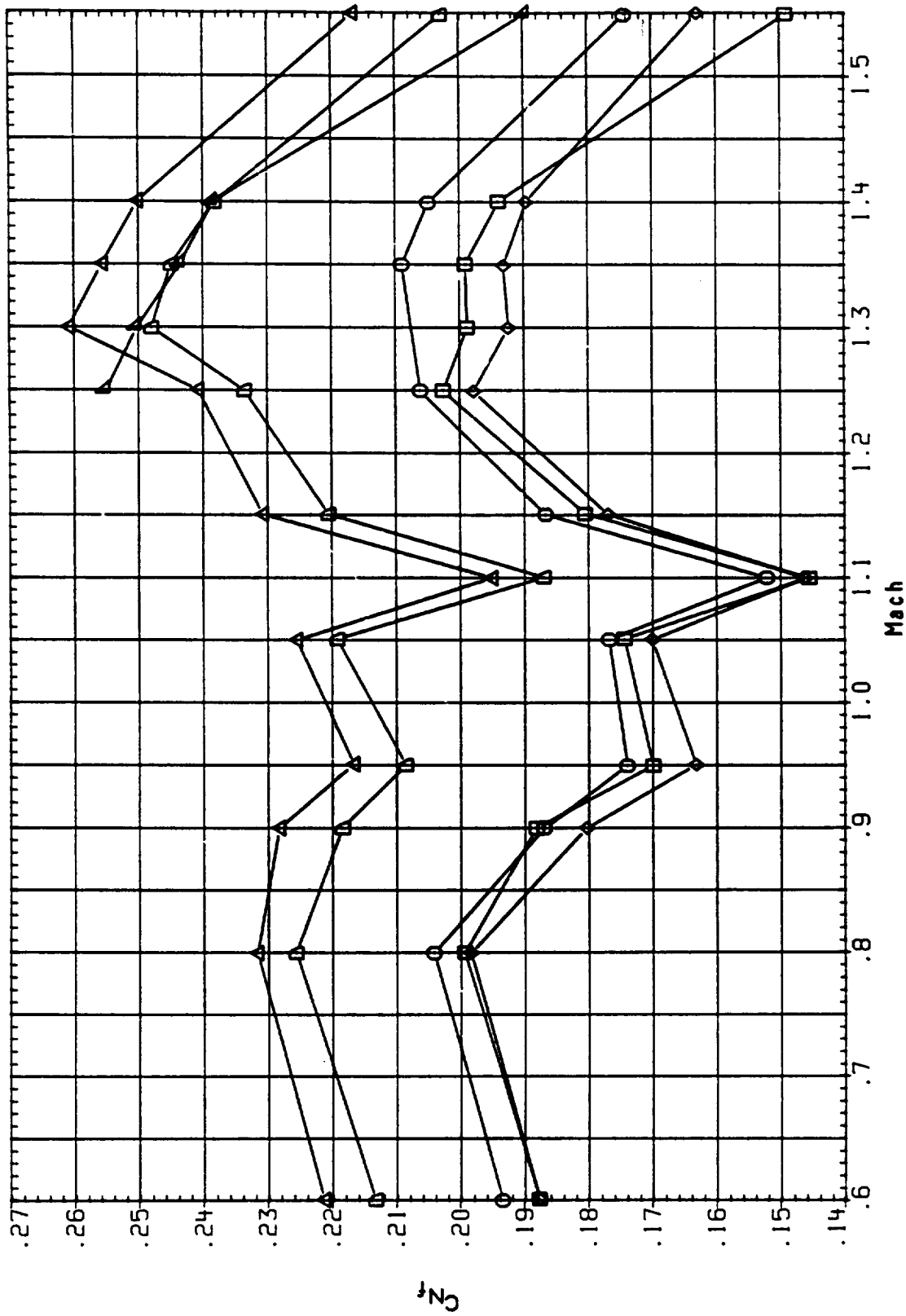


FIG. 4 EFFECT OF ASRM AND PLUMES MACH VARIATIONS - ALPHA = 0 DEG.

(A) BETA = .00

ORIGINAL PAGE IS
OF POOR QUALITY

1E45.4

DATA SET SYMBOL	CONFIGURATION
MCOMR1	IA613A(AEDC 161F-829) B/L OT + RSRH, PLUMES OFF
MCOMR2	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRH, PLU. OFF
MCOMR3	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF
MCOMR4	IA613A(AEDC 161F-829) B/L OT + RSRH+PLUMES S1.2
MCOMR5	IA613A(AEDC 161F-829) OT(DOOR OFF)+RSRH + S1.3
MCOMR6	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2

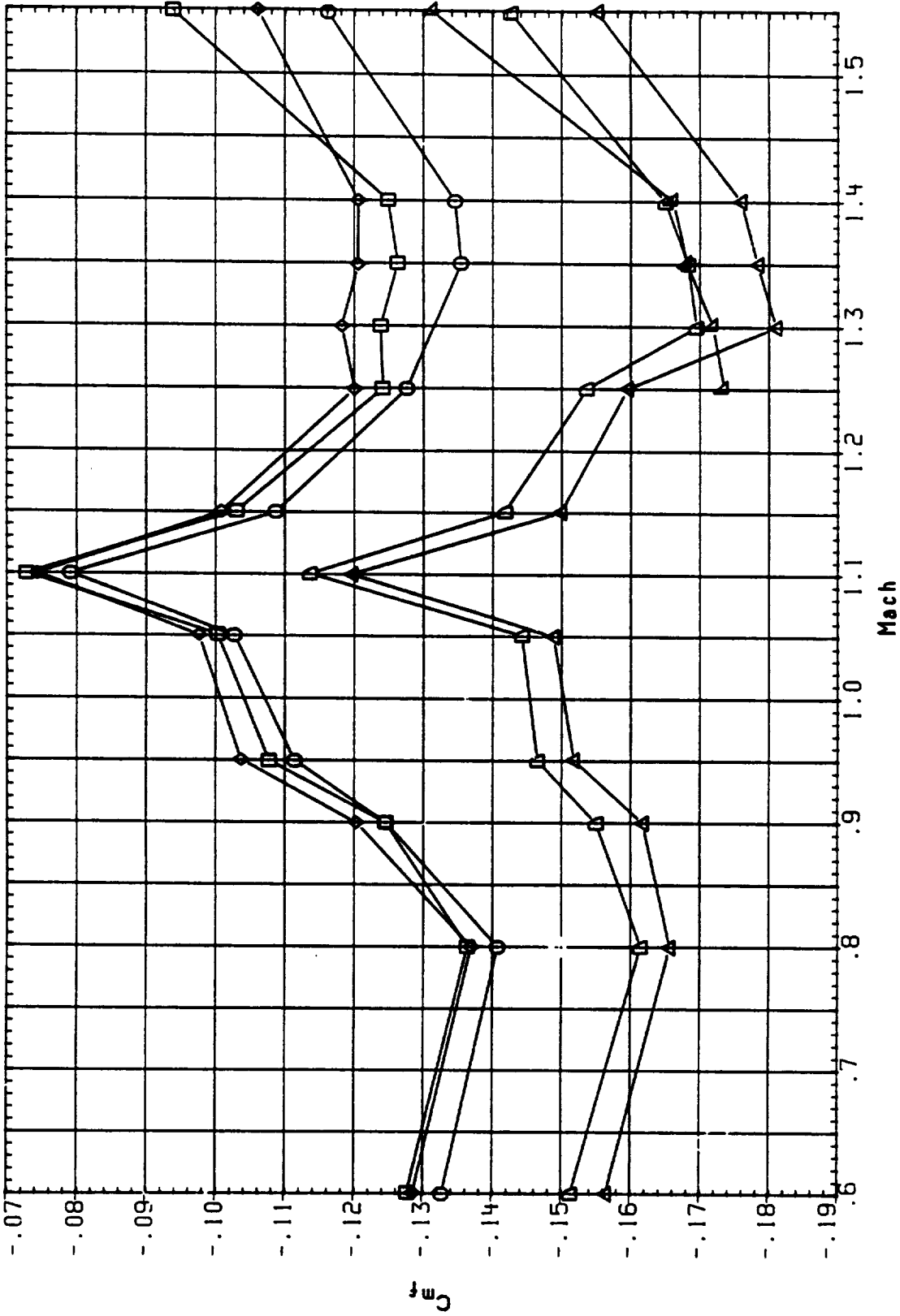


FIG. 4 EFFECT OF ASRM AND PLUMES MACH VARIATIONS - ALPHA = 0 DEG.

(A) BETA = .00

DATA SET SYMBOL
 MCOMR1
 MCOMR2
 MCOMR3
 MCOMR4
 MCOMR5
 MCOMR6

CONFIGURATION
 I A613A1AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF
 I A613A1AEDC 16TF-829) OT(DOOR OFF)+RSRH,PLU. OFF
 I A613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
 I A613A1AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2
 I A613A1AEDC 16TF-829) OT(DOOR OFF)+RSRH + S1.3
 I A613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

IEASCA
 TOP
 TOP
 TOP
 TOP
 TOP
 TOP

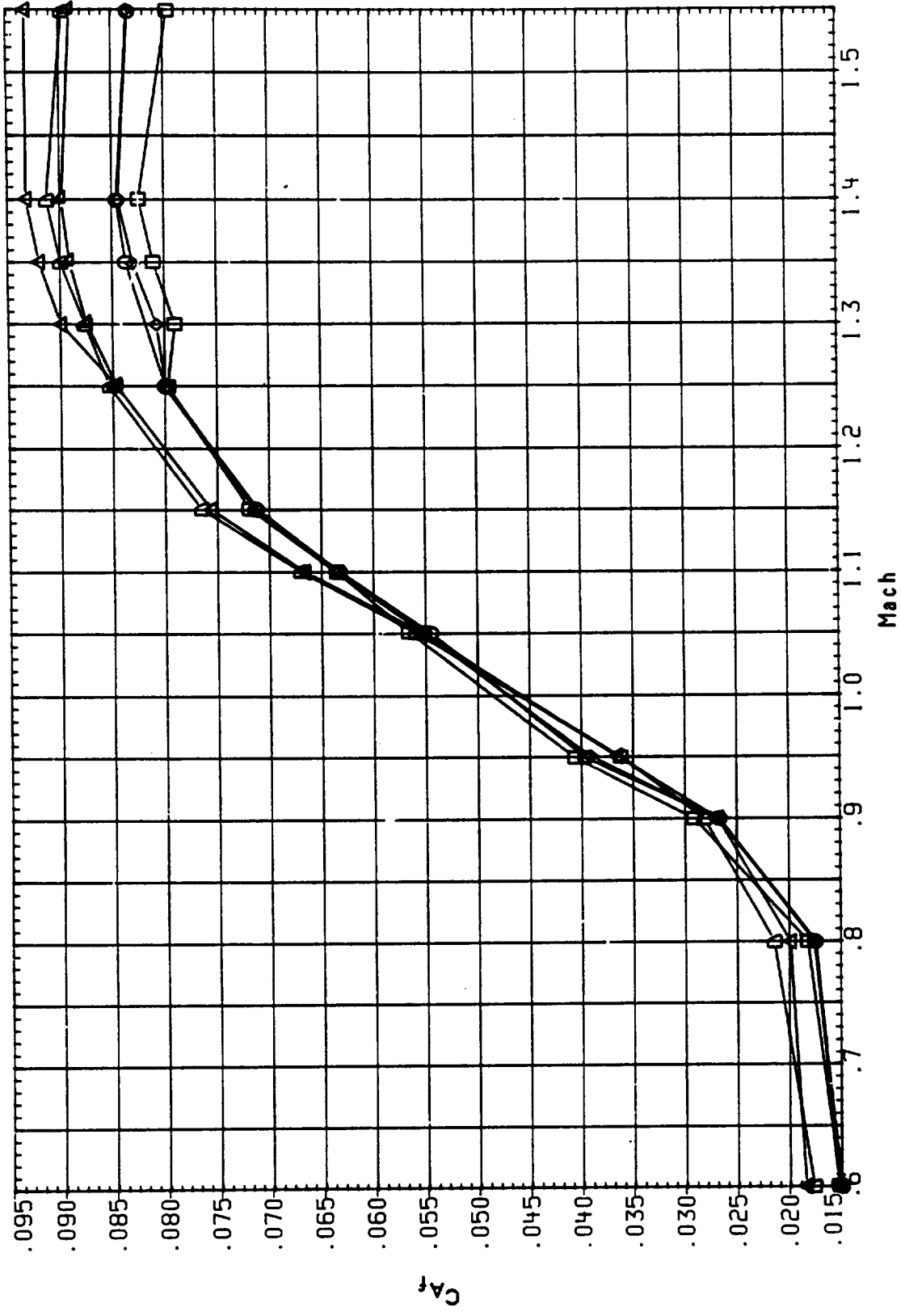


FIG. 4 EFFECT OF ASRM AND PLUMES MACH VARIATIONS - ALPHA = 0 DEG.

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	IEABOX
MCOMS1	I A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF	TOP
MCOMS2	I A613A1AEDC 161F-829) 011000R OFF) + RSRM, PLU. OFF	TOP
MCOMS3	I A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	TOP
MCOMS4	I A613A1AEDC 161F-829) 011000R OFF) + RSRM + PLUMES S1.2	TOP
MCOMS5	I A613A1AEDC 161F-829) B/L OT + ASRM + PLUMES S1.2	TOP
MCOMS6	I A613A1AEDC 161F-829) B/L OT + ASRM + PLUMES S1.2	TOP

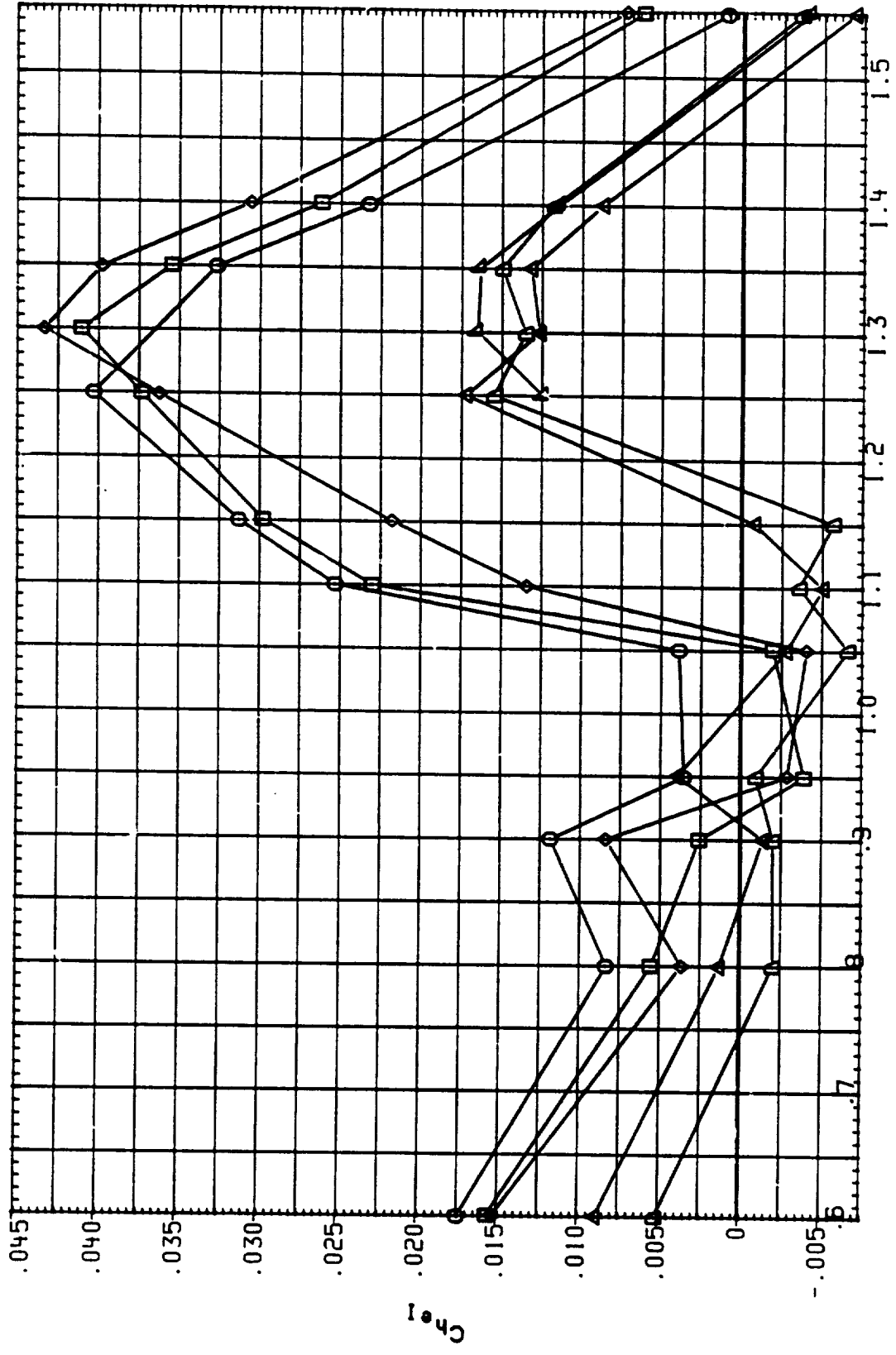


FIG. 4 EFFECT OF ASRM AND PLUMES MACH VARIATIONS - ALPHA = 0 DEG.

(A) BETA = .00

DATA SET SYMBOL

CONFIGURATION

MCOMS1 □
 MCOMS2 ○
 MCOMS3 △
 MCOMS4 ◇
 MCOMS5 ▽
 MCOMS6 ▽

I A613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF TOP
 I A613A1AEDC 161F-829) 0T1000R OFF) +RSRM, PLU OFF TOP
 I A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF TOP
 I A613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2 TOP
 I A613A1AEDC 161F-829) 0T1000R OFF) +RSRM + S1.3 TOP
 I A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2 TOP

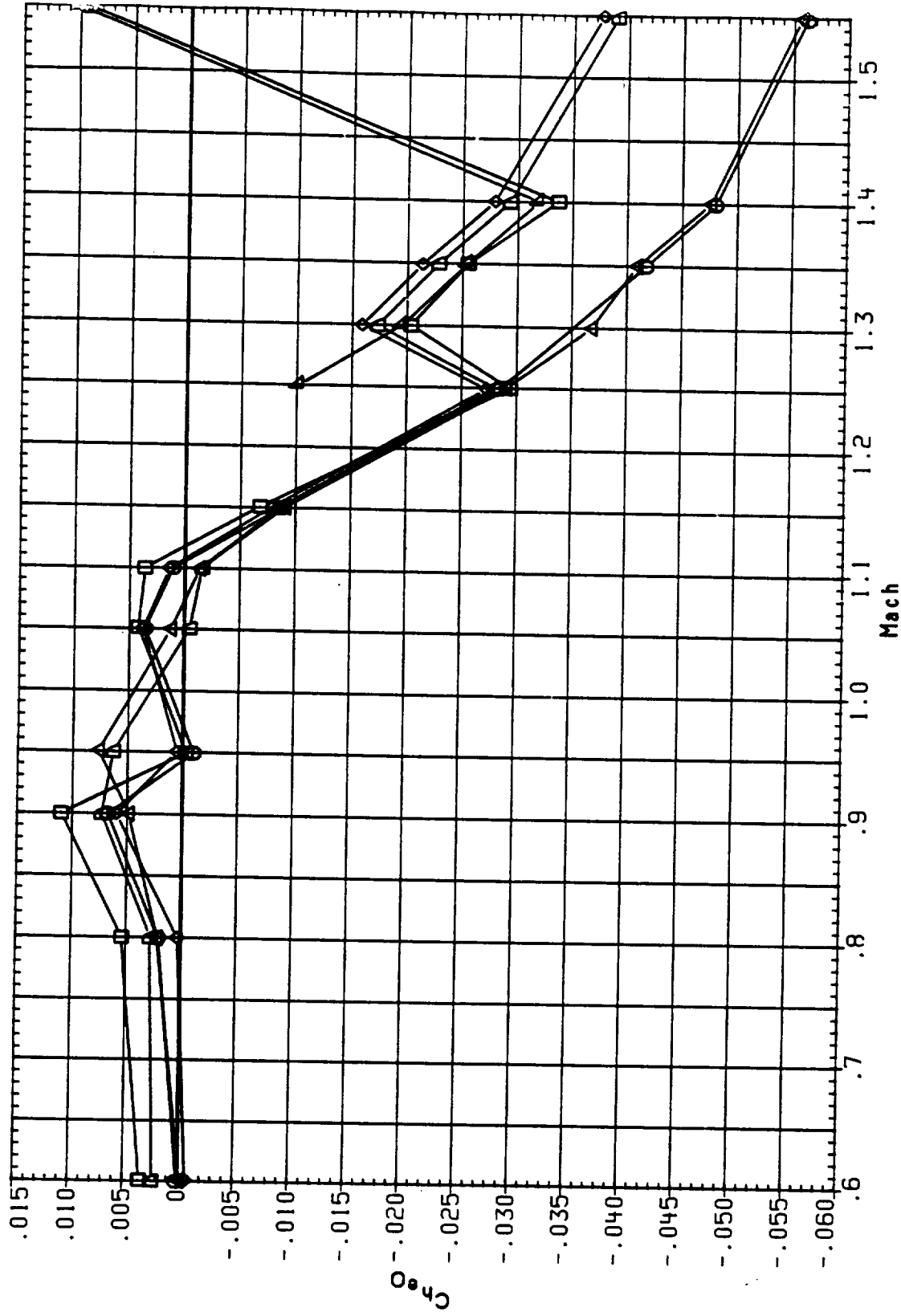


FIG. 4 EFFECT OF ASRM AND PLUMES MACH VARIATIONS - ALPHA = 0 DEG.

(A) BETA = .00

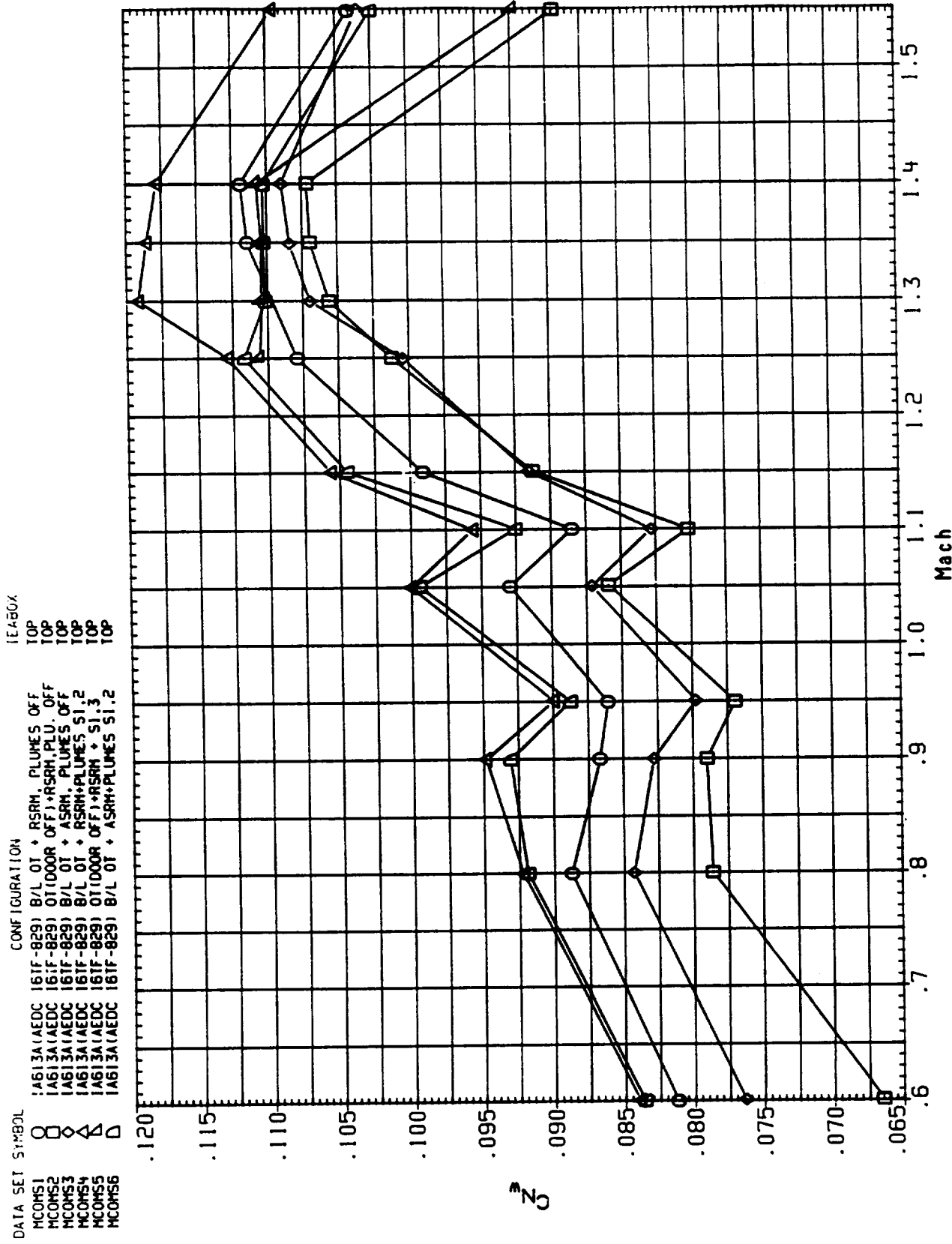


FIG. 4 EFFECT OF ASRM AND PLUMES MACH VARIATIONS - ALPHA = 0 DEG.

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION HEAD

MCOMS1 O I/A513A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF TOP

MCOMS2 □ I/A613A1AEDC 161F-829) OT100OR OFF)+RSRM, PLU. OFF TOP

MCOMS3 △ I/A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF TOP

MCOMS4 ◇ I/A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1,2 TOP

MCOMS5 ▲ I/A613A1AEDC 161F-829) OT100OR OFF)+RSRM + S1,3 TOP

MCOMS6 ▽ I/A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1,2 TOP

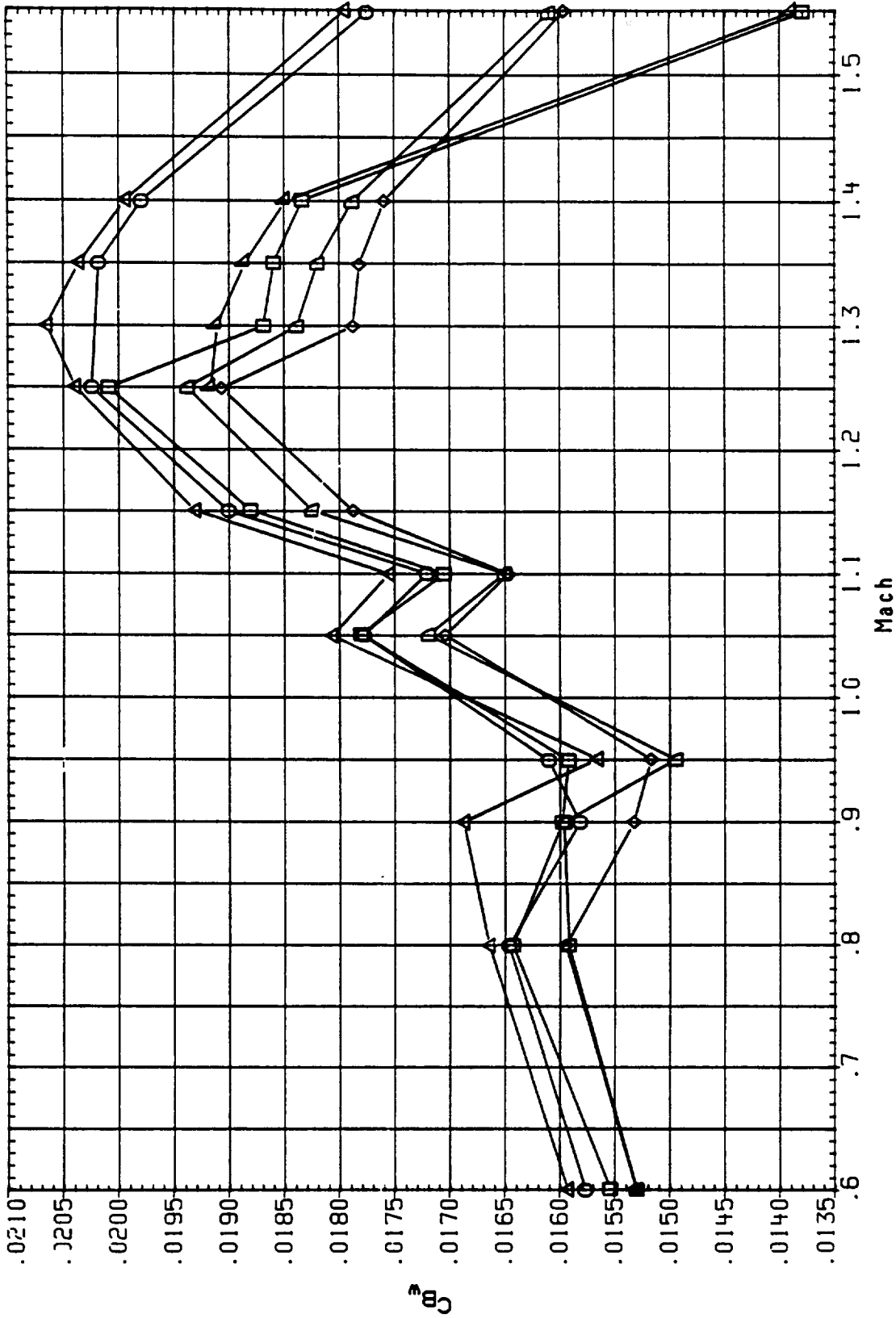


FIG. 4 EFFECT OF ASRM AND PLUMES MACH VARIATIONS - ALPHA = 0 DEG.

(A) BETA = .00

DATA SET SYMBOL

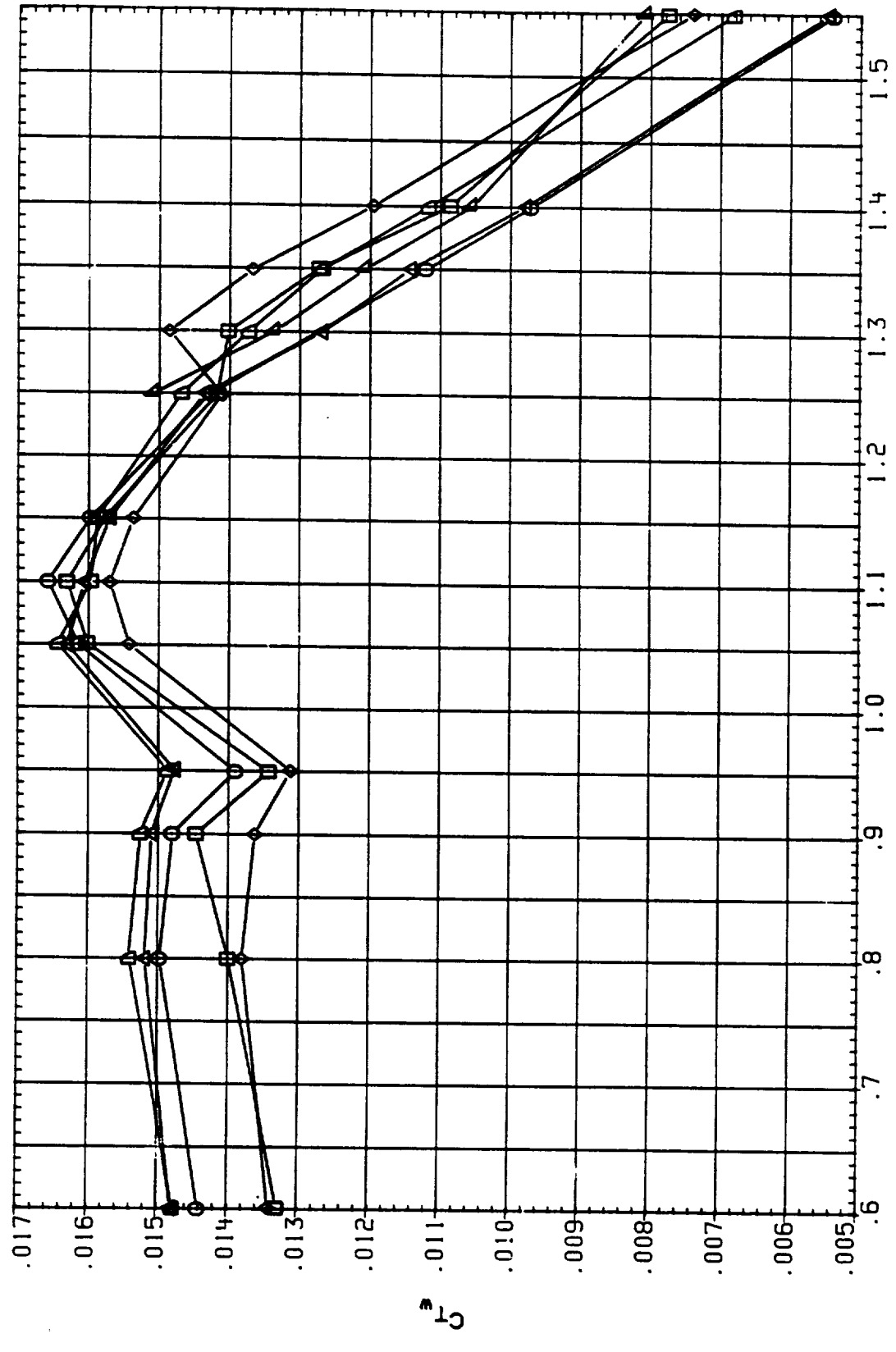
- MCOMS1 ○
- MCOMS2 □
- MCOMS3 ◇
- MCOMS4 △
- MCOMS5 ▽
- MCOMS6 ▽

CONFIGURATION

- IA613A1AEDC 161F-829) B/L OT + RSRM, PLUMES OFF
- IA613A1AEDC 161F-829) OT(000R OFF)+RSRM, PLU. OFF
- IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
- IA613A1AEDC 161F-829) B/L OT + RSRM+PLUMES S1.2
- IA613A1AEDC 161F-829) OT(000R OFF)+RSRM + S1.3
- IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

1E45%

- TOP
- TOP
- TOP
- TOP
- TOP
- TOP



Mach

FIG. 4 EFFECT OF ASRM AND PLUMES MACH VARIATIONS - ALPHA = 0 DEG.

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	HEADX	LEVEL	LEVEL
SC0042	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	TOP	10.000	9.000
SC0080	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	BOTTOM	10.000	9.000
SC00C1	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	T + B	10.000	5.000

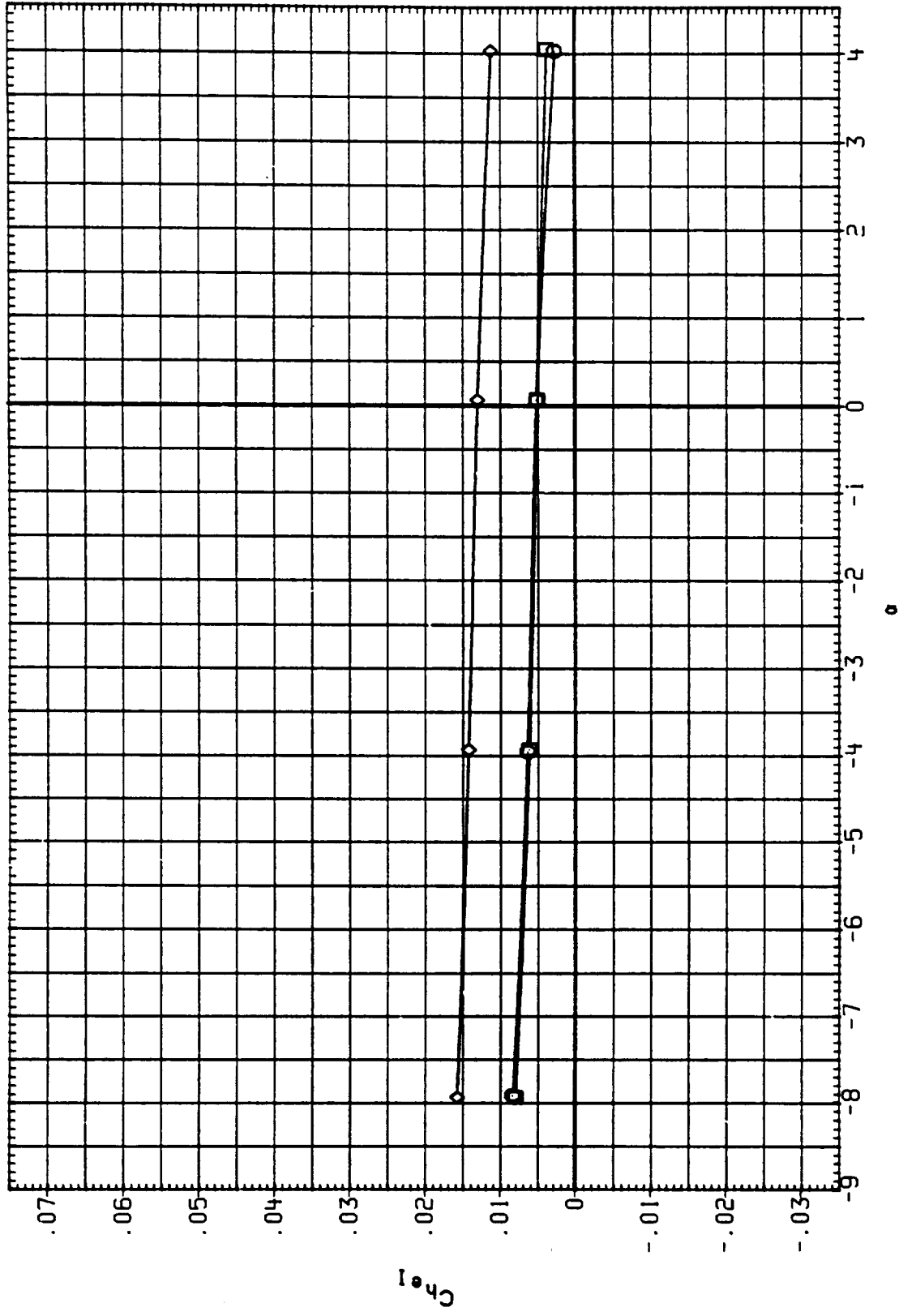


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

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OF POOR QUALITY

DATA SET SYMBOJ CONFIGURATION

SC0042	Q	IA613A1AEDC	161F-829)	B/L	OT	+	ASRM+PLUMES	SI.2	MACH	IEABCK	IB-ELV	CS-ELV
SC0080	U	IA613A1AEDC	161F-829)	B/L	OT	+	ASRM+PLUMES	SI.2	.600	TOP	10.000	9.000
SC00C1	◇	IA613A1AEDC	161F-829)	B/L	OT	+	ASRM+PLUMES	SI.2	.600	BOTTOM	10.000	9.000
									.600	1 + 8	10.000	5.000

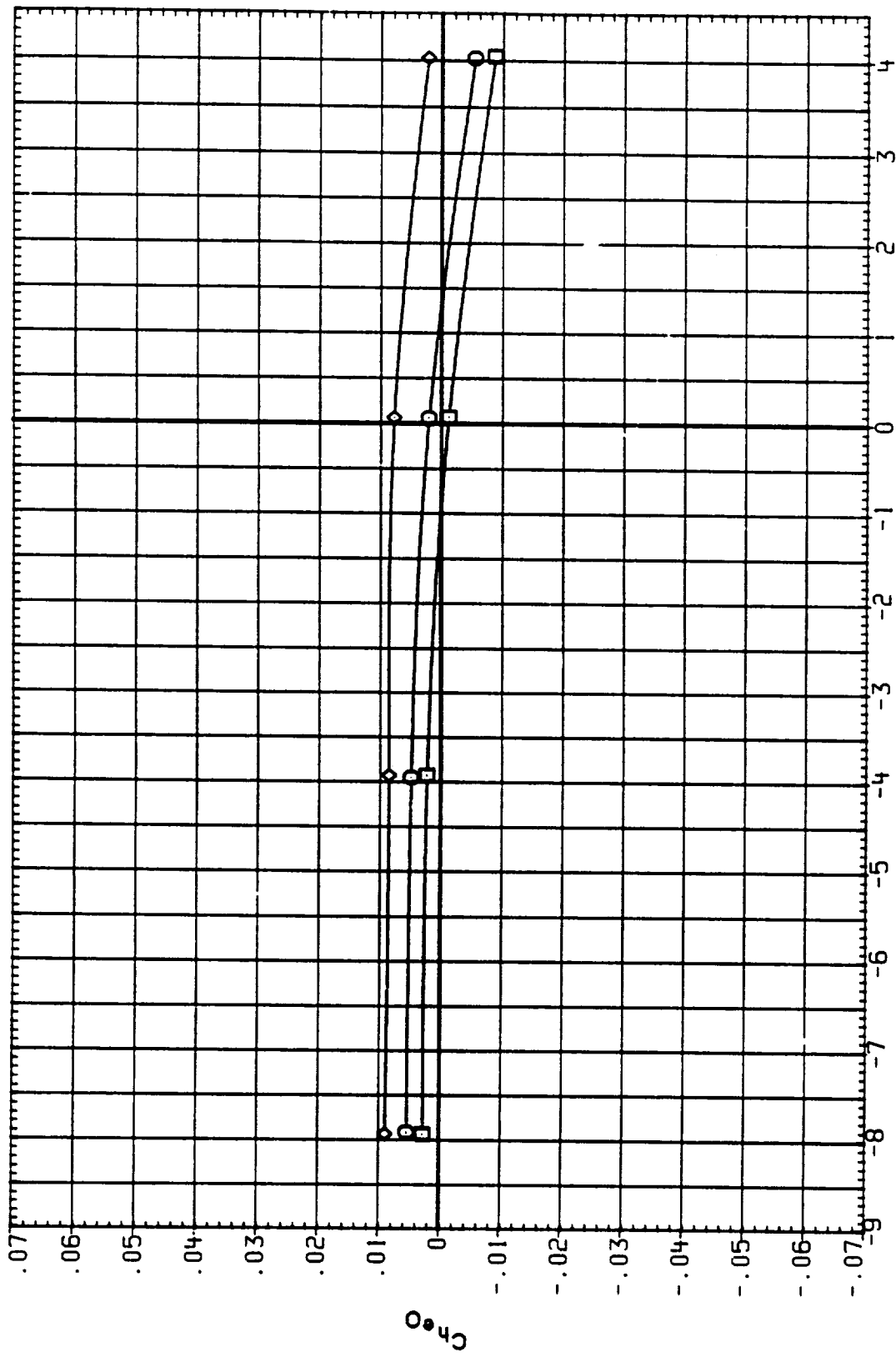


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH IEA BOX IB-ELV OB-ELV
 SC0042 IAB13A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2 .600 TOP 10.000 9.000
 SC0080 IAB13A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2 .600 BOTTOM 10.000 9.000
 SC00C1 IAB13A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2 .600 T + B 10.000 5.000

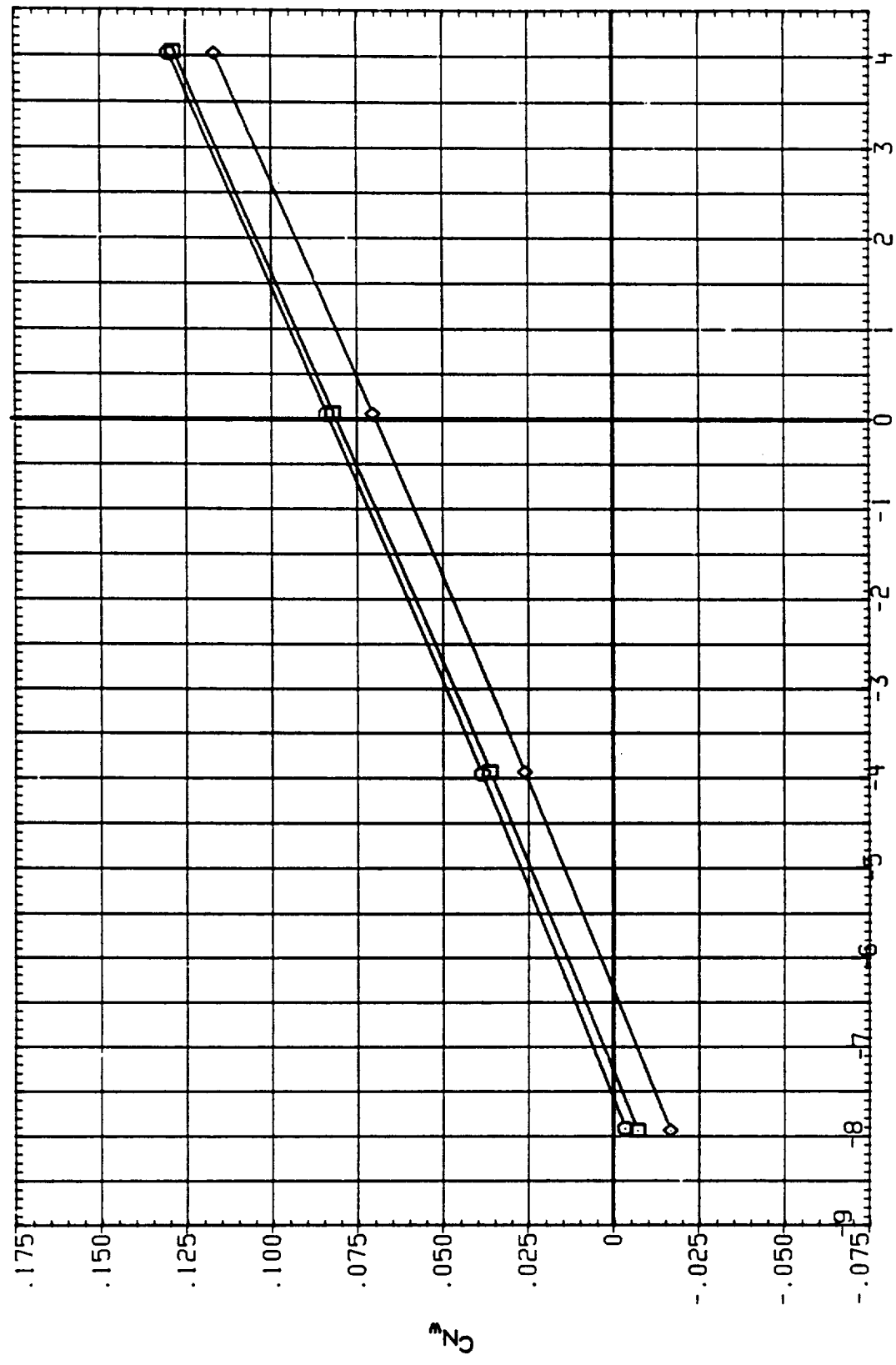


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0042 □
 SC0080 □
 SC00C1 ◇

CONFIGURATION

IAG13A1AEDC 16TF-829) B/L 0T + ASRH+PLUMES S1.2
 IAG13A1AEDC 16TF-829) B/L 0T + ASRH+PLUMES S1.2
 IAG13A1AEDC 16TF-829) B/L 0T + ASRH+PLUMES S1.2

PACH

.600
 .600
 .600

AREA

TOP
 BOTTOM
 T + B

AREA

9.000
 9.000
 5.000

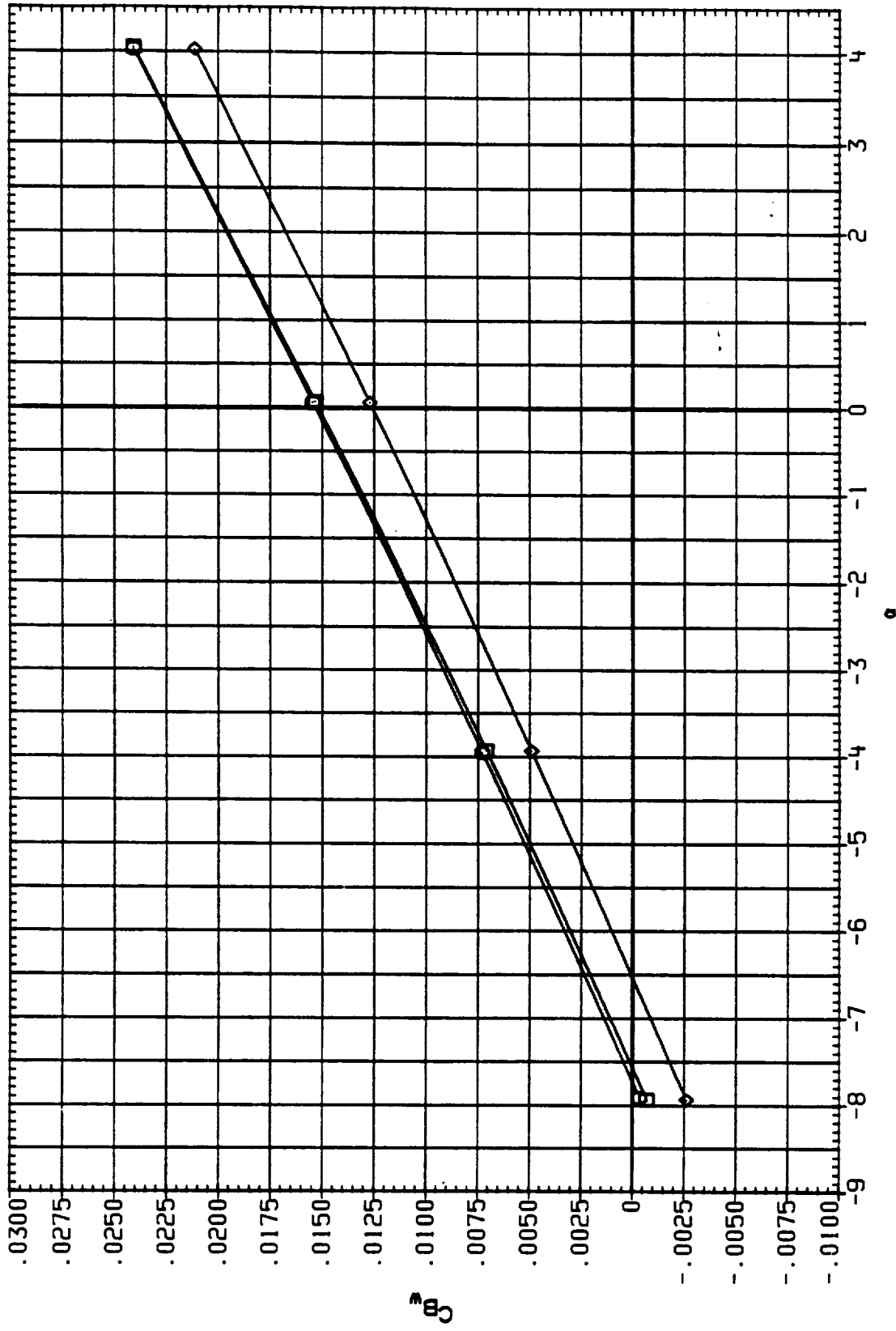


FIG. 5 EFFECT OF IEA BOX POSITION
 WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEA BOX	IB-ELV	CB-ELV
SC0002	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	TOP	10.000	9.000
SC0080	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	BOTTOM	10.000	9.000
SC00C1	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	1 + B	10.000	5.000

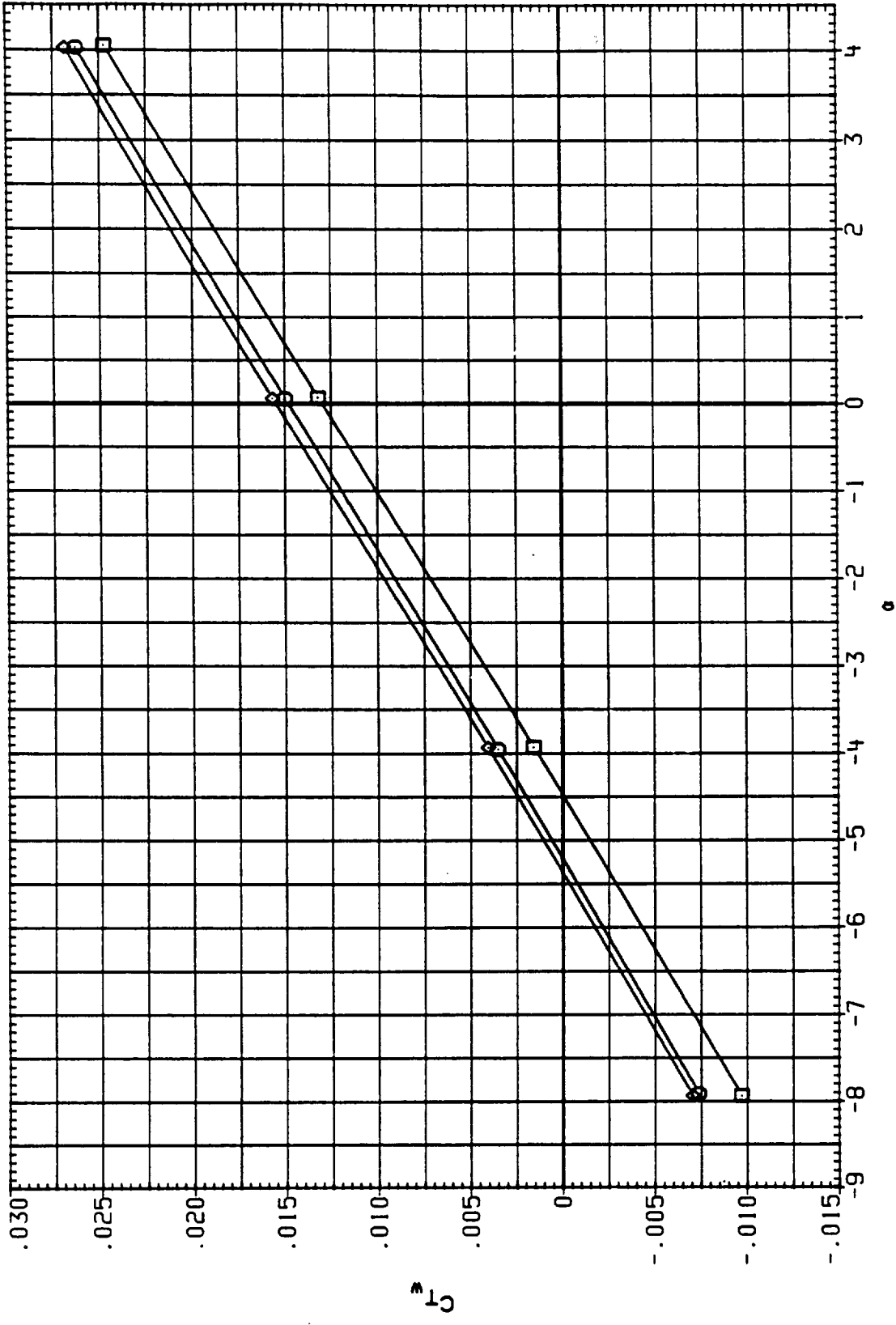


FIG. 5 EFFECT OF IEA BOX POSITION
ON WING LOADS

(A) BETA = .00

DATA SET SYMBOL
 SC0043
 SC0081

CONFIGURATION
 IAS13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
 IAS13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH
 .800

IEABOX
 TOP
 BOTTOM

CB-ELV
 9.000
 9.000

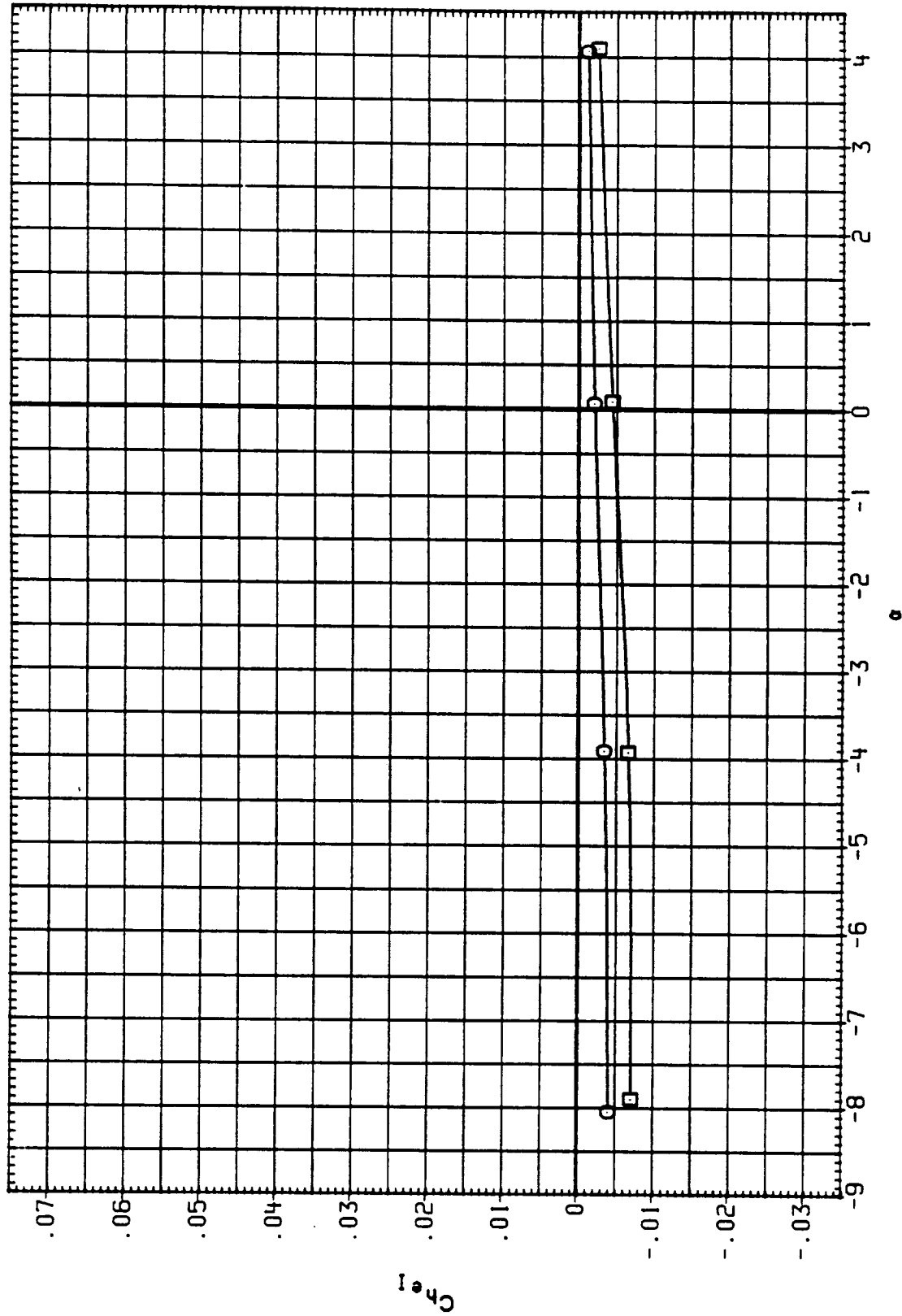


FIG. 5 EFFECT OF IEA BOX POSITION
 WING LOADS

(A) BETA = .00

DATA SET SYMBOL
 SC0043
 SC0081

CONFIGURATION

IA613A1AEDC 161F-829) B/L OT * ASRM+PLUMES S1.2
 IA613A1AEDC 161F-829) B/L OT * ASRM+PLUMES S1.2

MACH .800

IEABOX
 TOP
 BOTTOM

IB-ELV 10.000
 OB-ELV 9.000

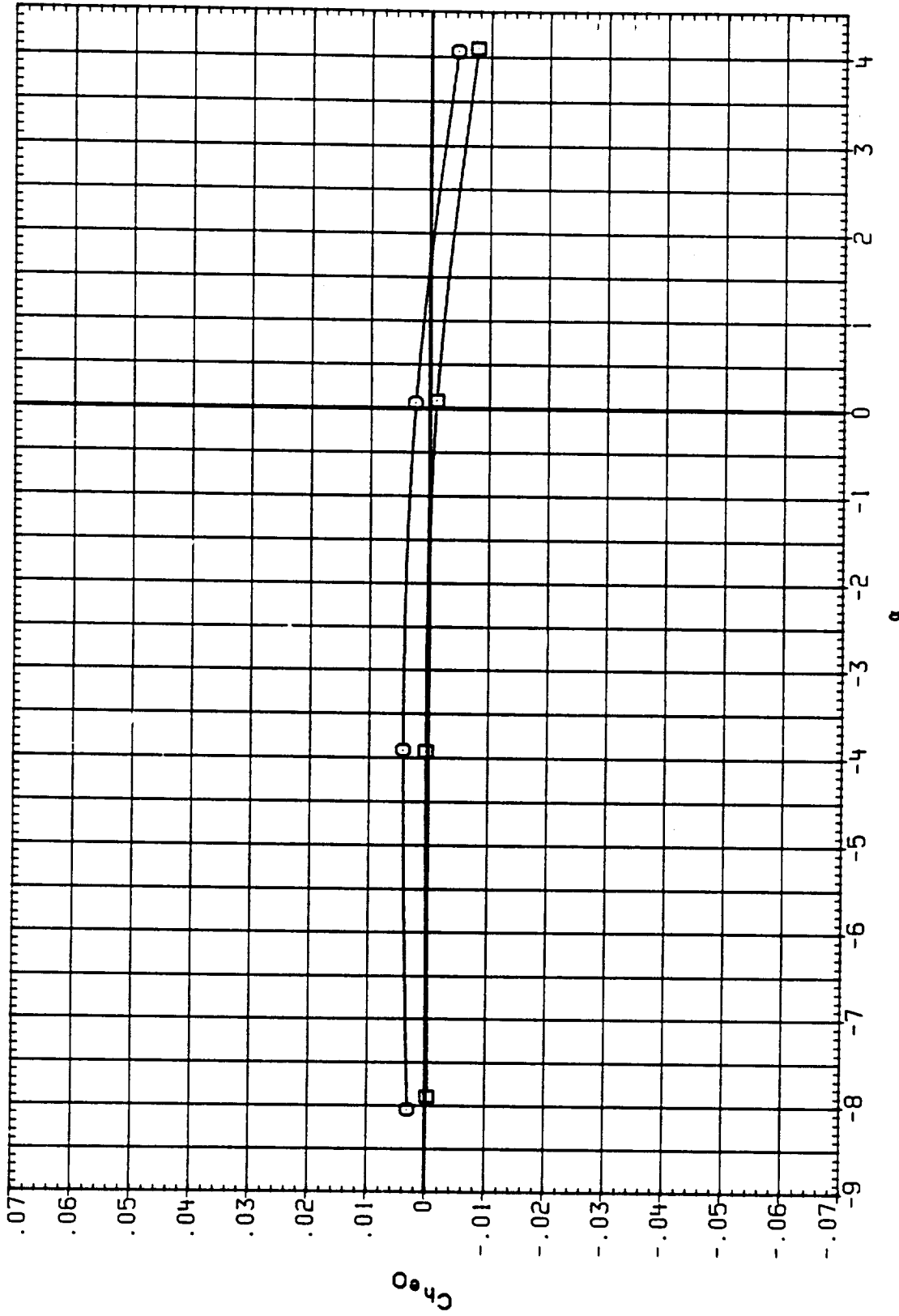


FIG. 5 EFFECT OF IEA BOX POSITION
 WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH IEA BOX IB-ELY CB-ELY
 SC0043 1A613A1AEDC 161F-829) B/L 01 + ASRM+PLUMES S1.2 .800 TOP 10.000 9.000
 SC0081 1A613A1AEDC 161F-829) B/L 01 + ASRM+PLUMES S1.2 .800 BOTTOM 10.000 9.000

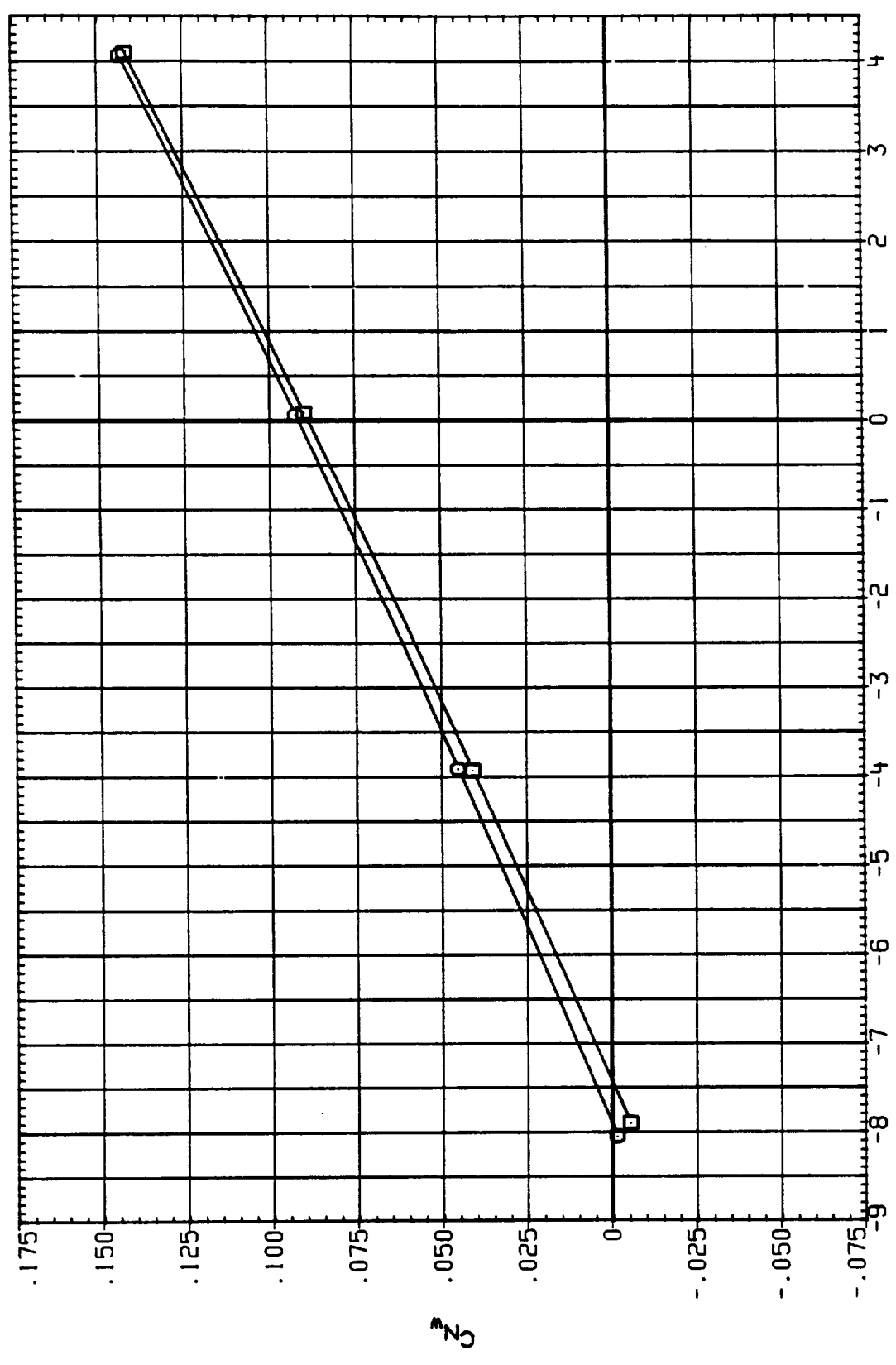


FIG. 5 EFFECT OF IEA BOX POSITION WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION
 SC0043 □ 1A613A(AEDC 16:F-829) B/L 01 + ASRM+PLUMES S1.2
 SC0081 □ 1A613A(AEDC 16:F-829) B/L 01 + ASRM+PLUMES S1.2

MACH IEABOX IB-ELY OB-ELY
 .900 TOP 10.000 9.000
 .800 BOTTOM 10.000 9.000

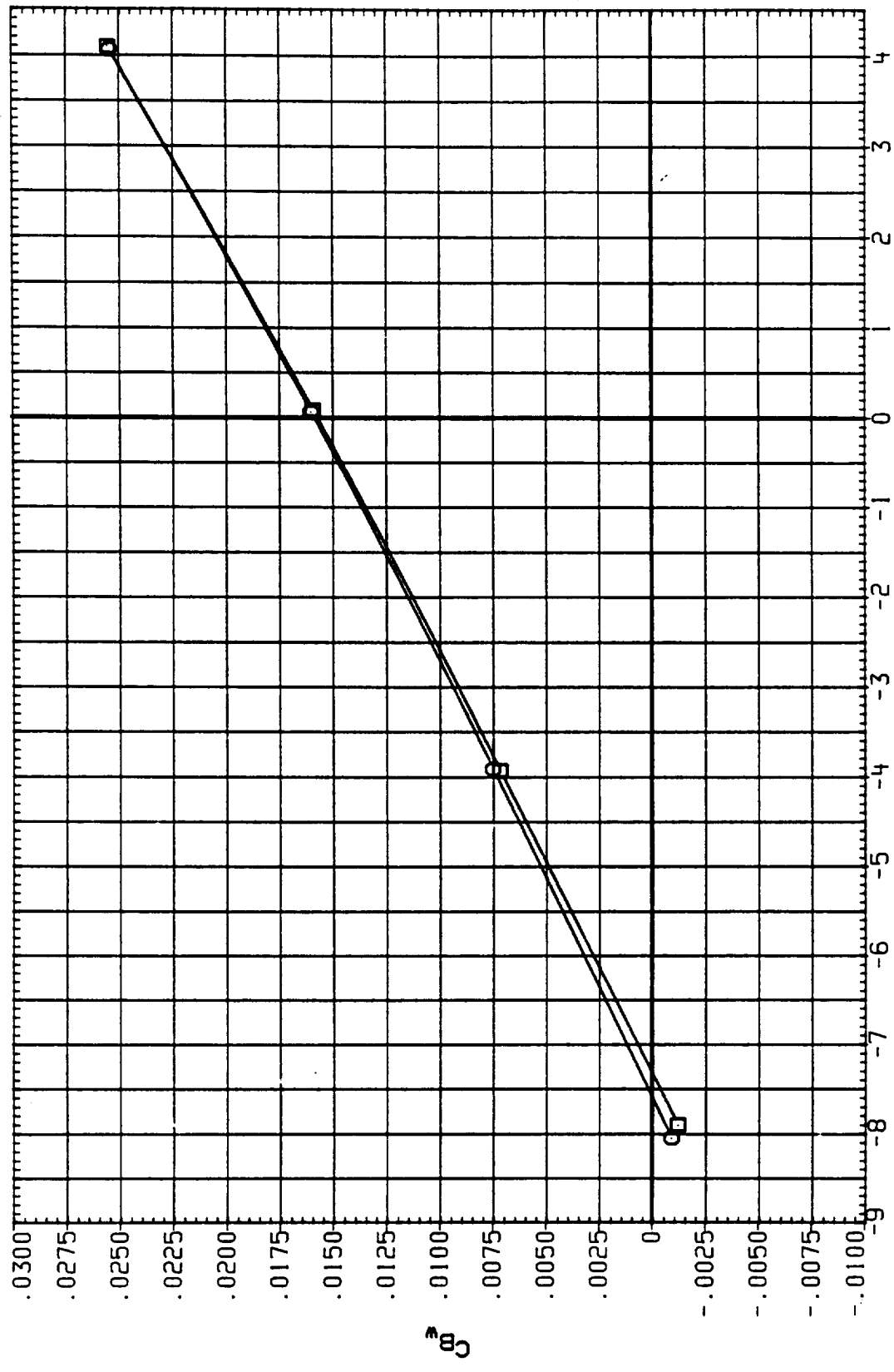


FIG. 5 EFFECT OF IEA BOX POSITION WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH IEA BOX IB-ELV OB-ELV
 SC0043 1A613A1AEDC 16TF-829) B/L 01 * ASRH+PLUMES S1.2 .800 TOP 10.000 9.000
 SC0081 1A613A1AEDC 16TF-829) B/L 01 * ASRH+PLUMES S1.2 .800 BOTTOM 10.000 9.000

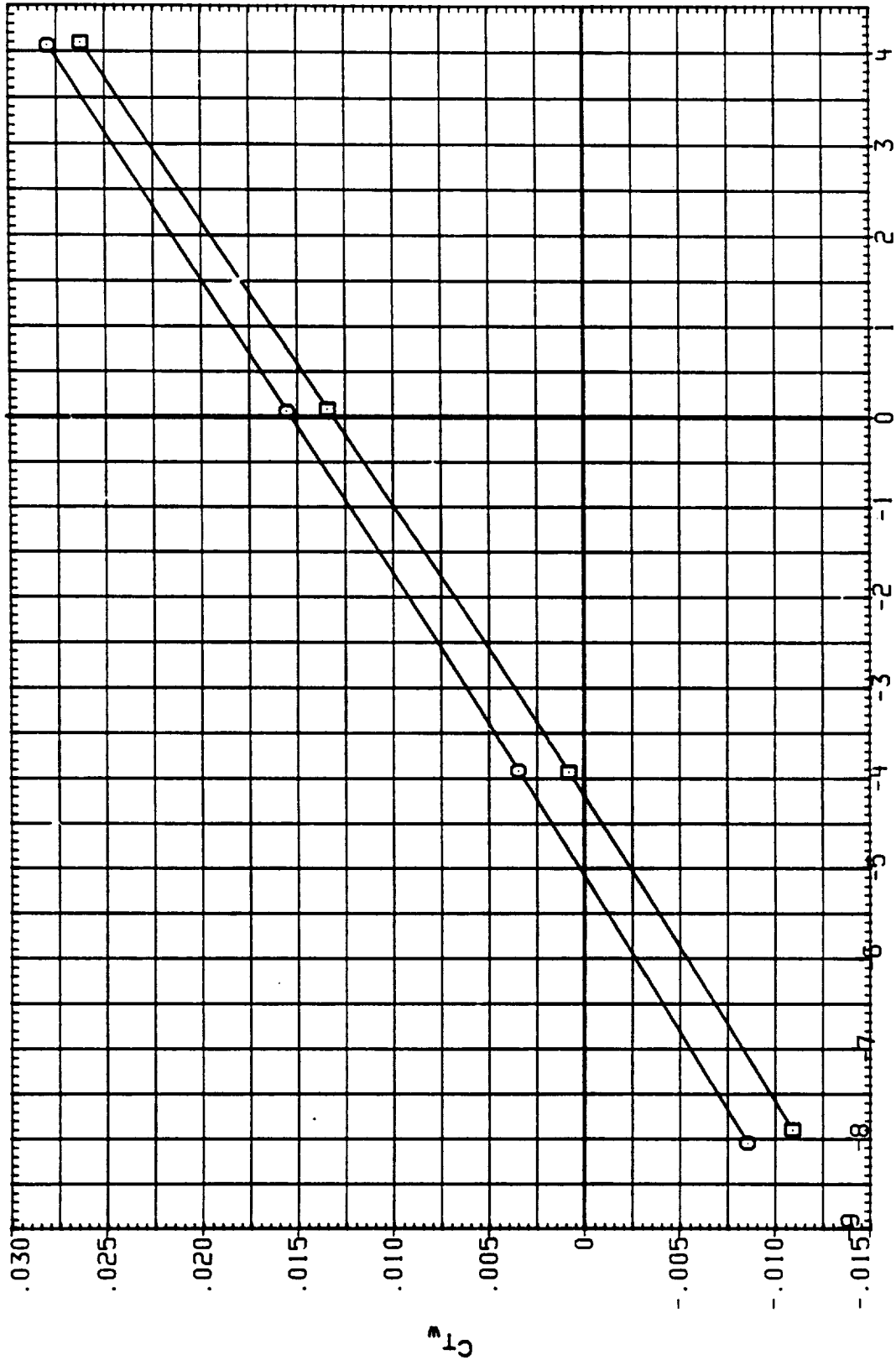


FIG. 5 EFFECT OF IEA BOX POSITION ON WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH LEAD ST-ELV ST-ELV

SC0044 O IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 .900 TOP 10.000 9.000

SC0082 □ IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 .900 BOTTOM 10.000 9.000

SC00C2 ◇ IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 .900 T + B 10.000 5.000

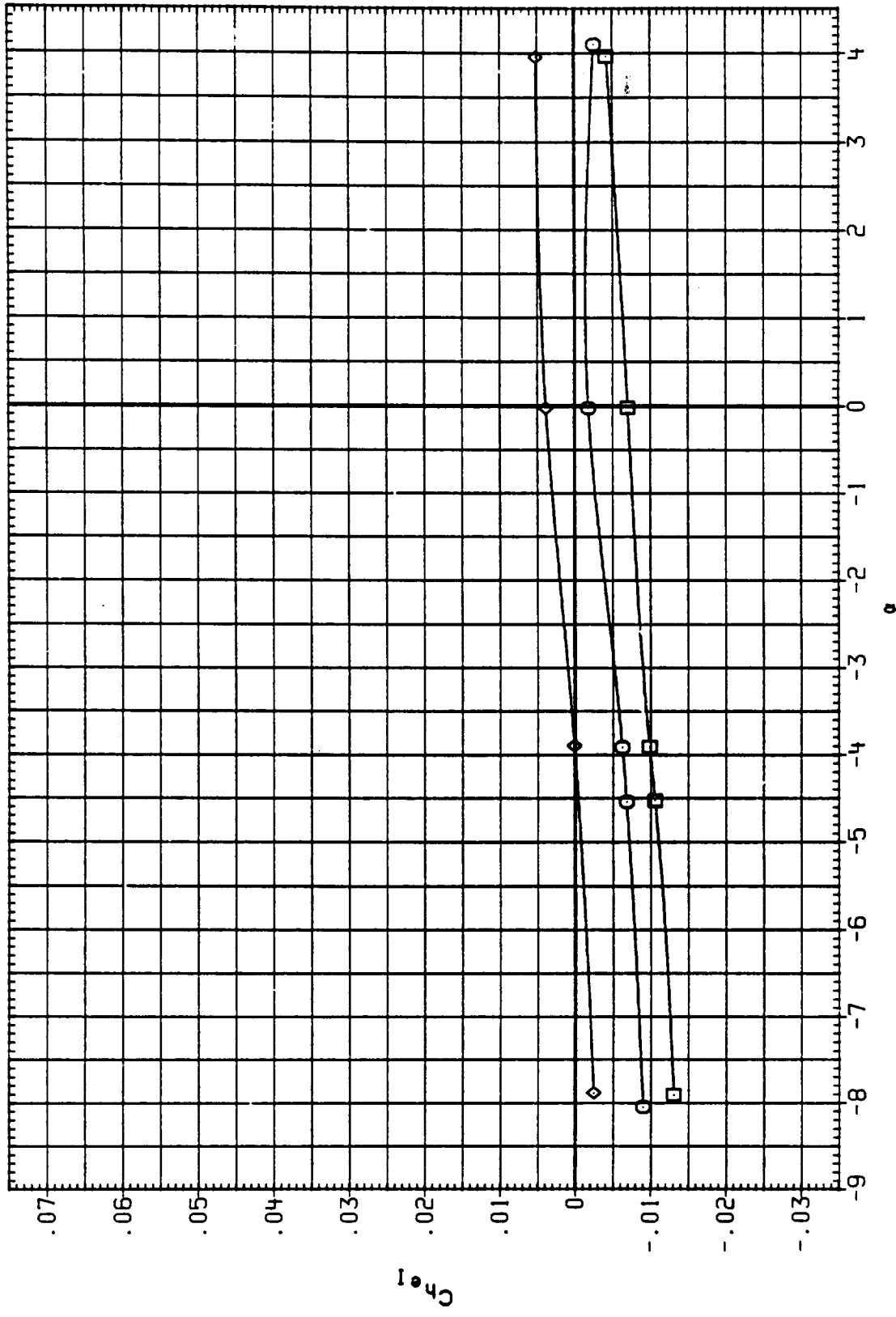


FIG. 5 EFFECT OF IEA BOX POSITION ON WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-BOX	IB-ELV	OB-ELV
SC0044	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.900	TOP	10.000	9.000
SC0082	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.900	BOTTOM	10.000	9.000
SC0062	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.900	T + B	10.000	5.000

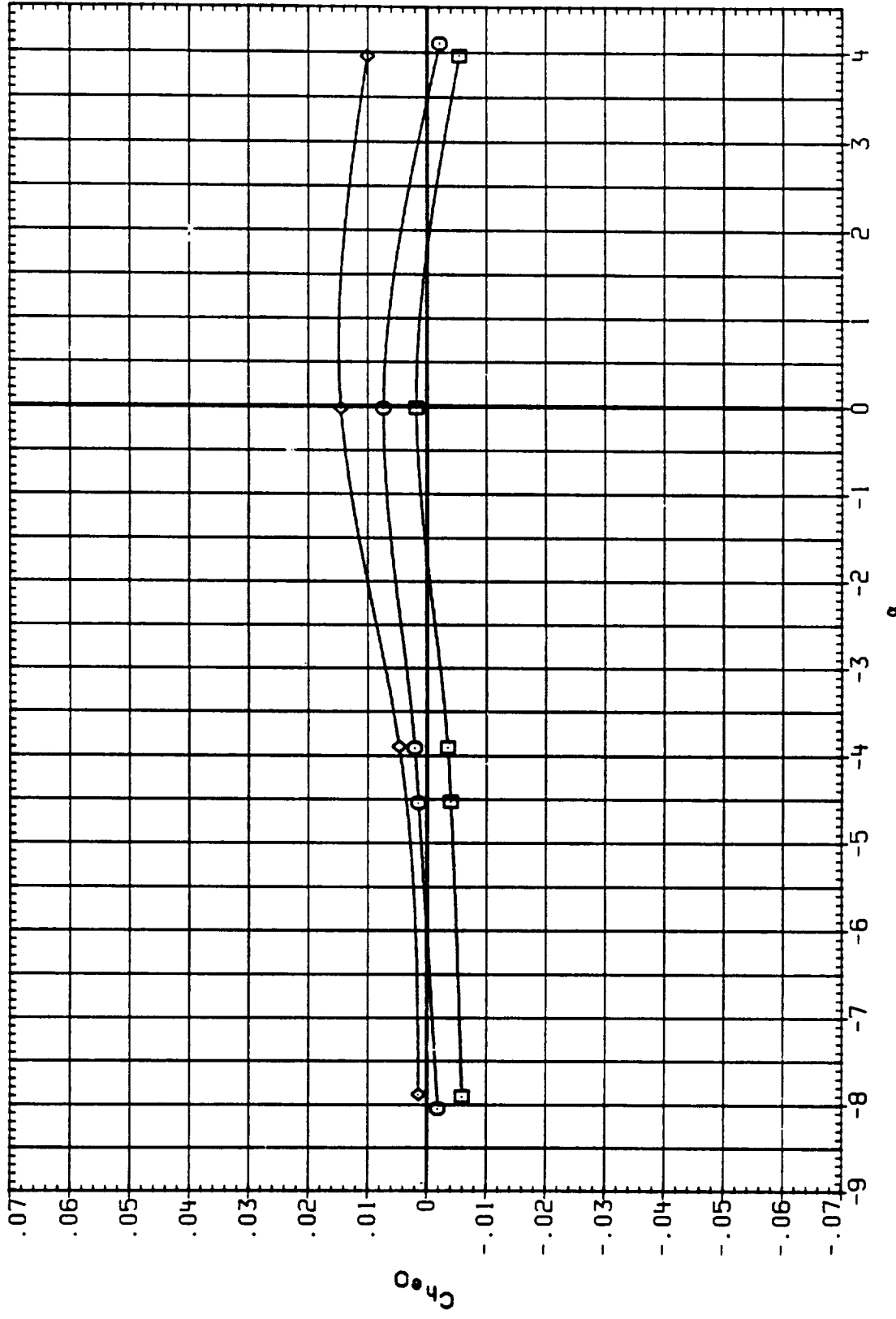


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEA BOX	IB-ELV	CB-ELV
SC0044	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.900	TOP	10.000	9.000
SC0082	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.900	BOTTOM	10.000	9.000
SC00C2	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.900	T + B	10.000	5.000

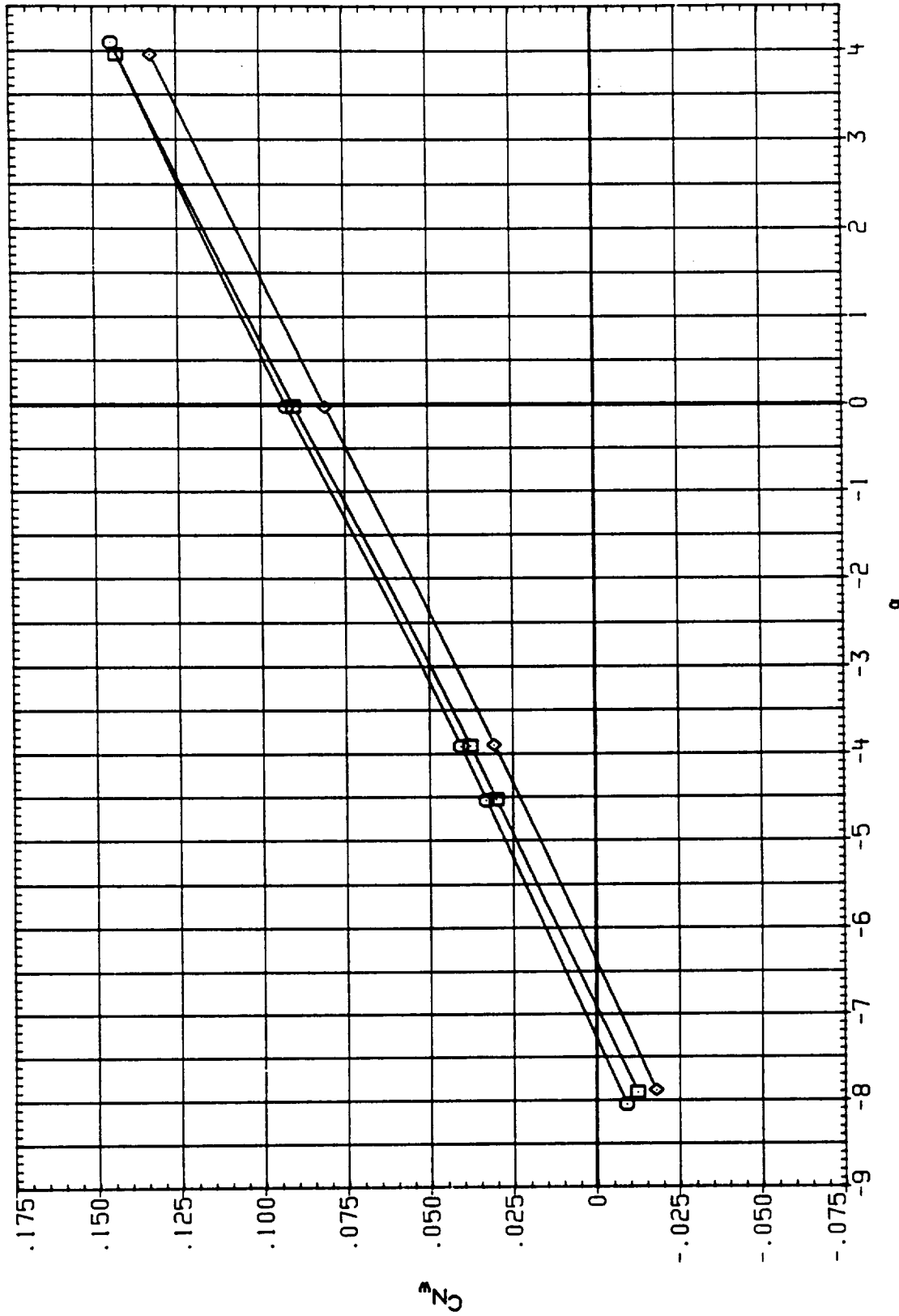


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0004 \square
 SC0002 \diamond

CONFIGURATION

IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
 IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
 IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH

.900
 .900
 .900

IEABOX

TOP
 BOTTOM
 T + B

IB-ELV

10.000
 10.000
 10.000

OB-ELV

9.000
 9.000
 5.000

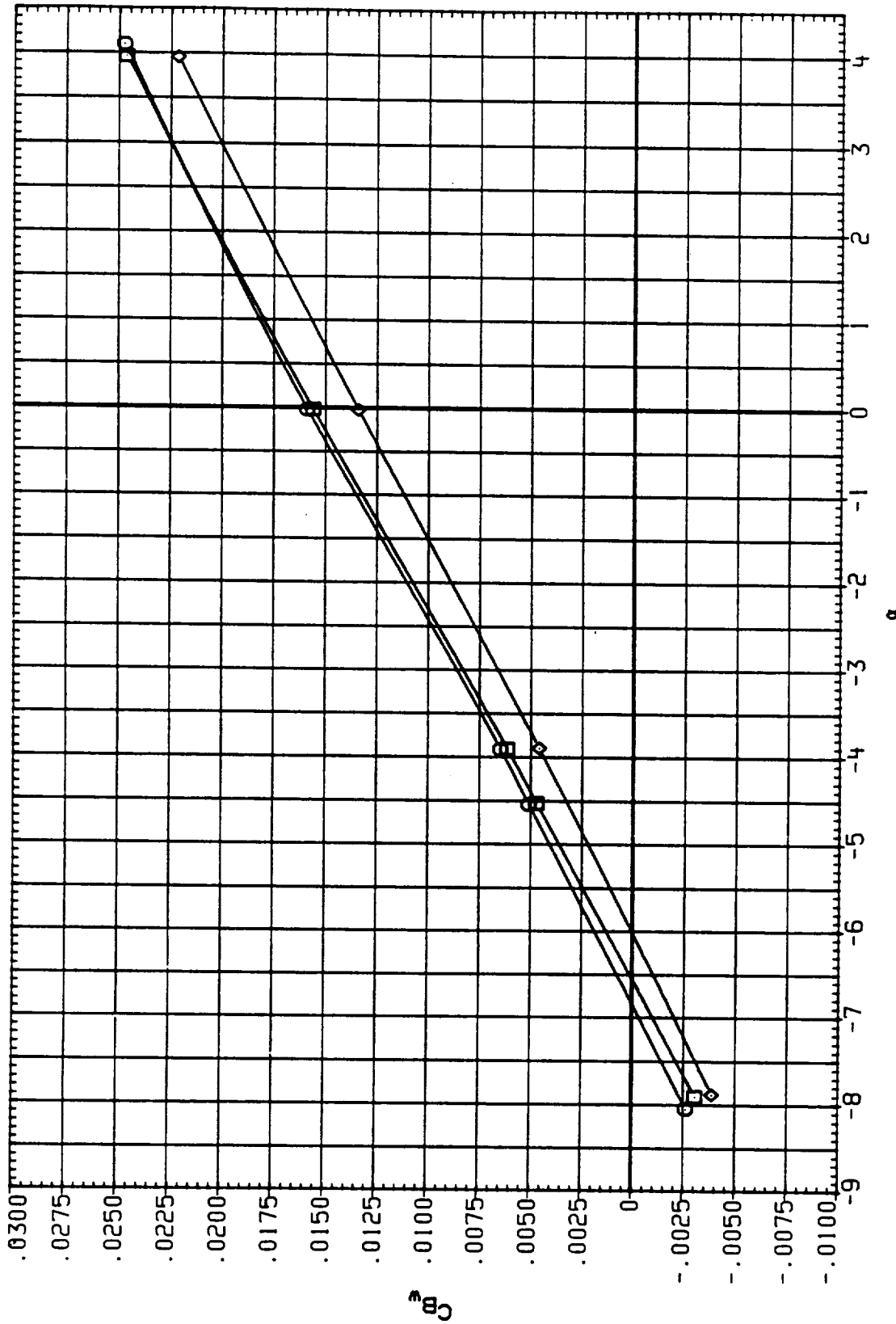


FIG. 5 EFFECT OF IEA BOX POSITION ON WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH IEABOX IB-ELV OB-ELV

SC0014 IAG13A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2 .900 TOP 10.000 9.000

SC0082 IAG13A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2 .900 BOTTOM 10.000 9.000

SC0012 IAG13A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2 .900 T + B 10.000 5.000

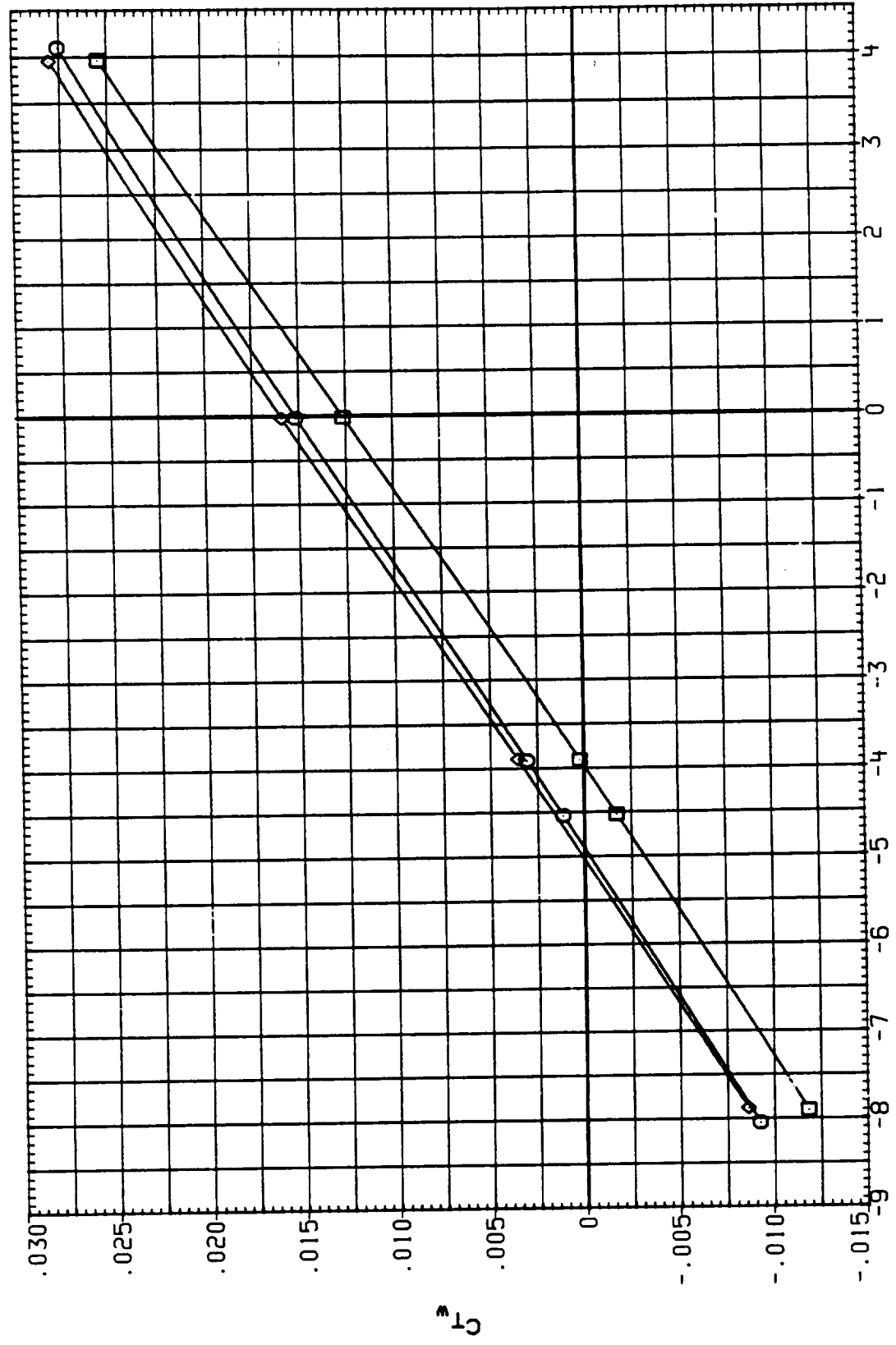


FIG. 5 EFFECT OF IEA BOX POSITION WING LOADS

(A) BETA = .00

DATA SET SYMBOL
SC0045
SC0083

CONFIGURATION

12613A1AEDC 161F-829) B/L 01 + ASRM+PLUMES S1.2
1A613A1AEDC 161F-829) B/L 01 + ASRM+PLUMES S1.2

MACH .950

IEABOX TOP BOTTOM

18-ELV 10.000
CB-ELV 9.000

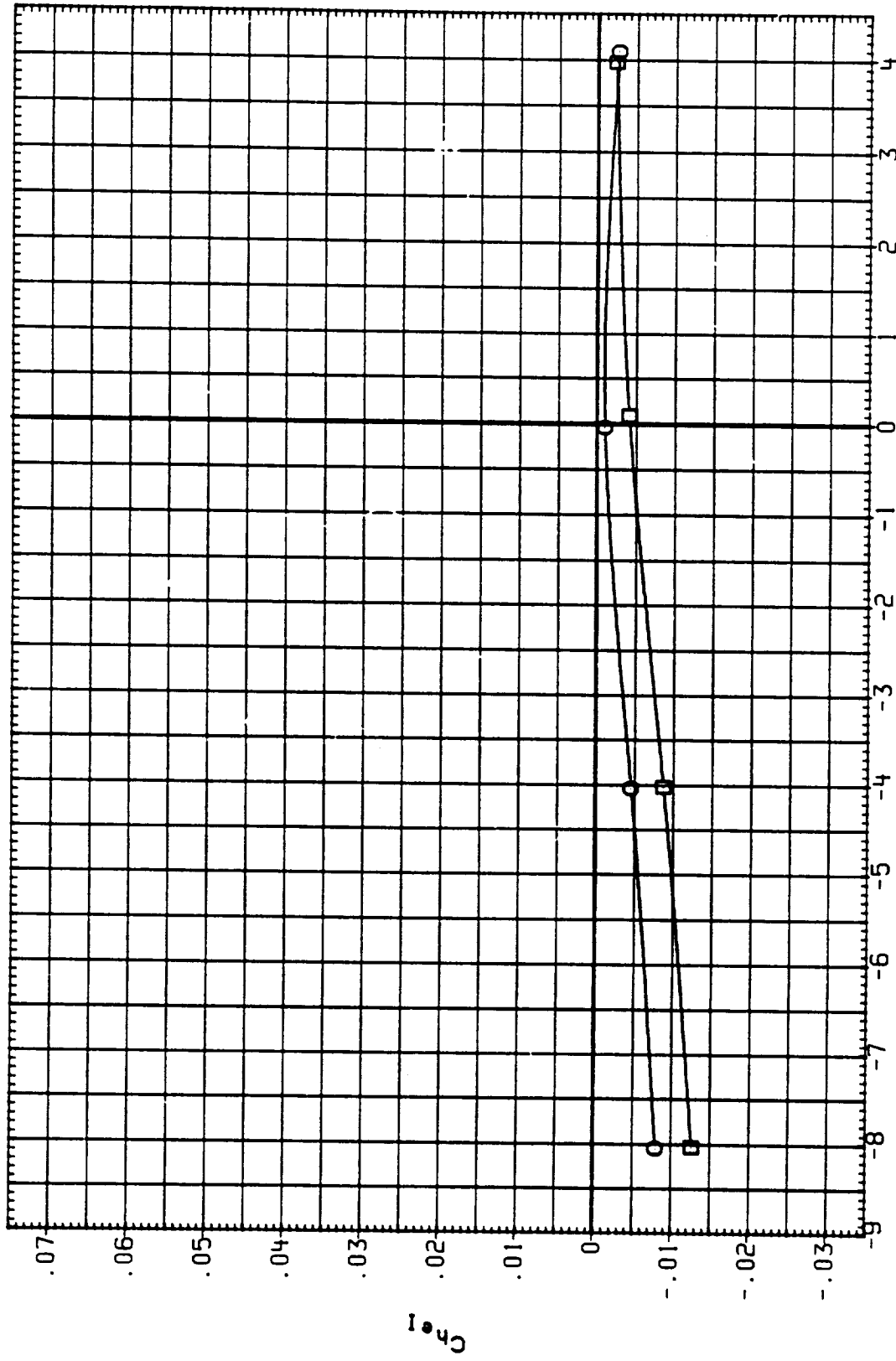


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH IEABOX IB-ELV OB-ELV
 SC0045 1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2 .950 TOP 10.000 9.000
 SC0083 1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2 .950 BOTTOM 10.000 9.000

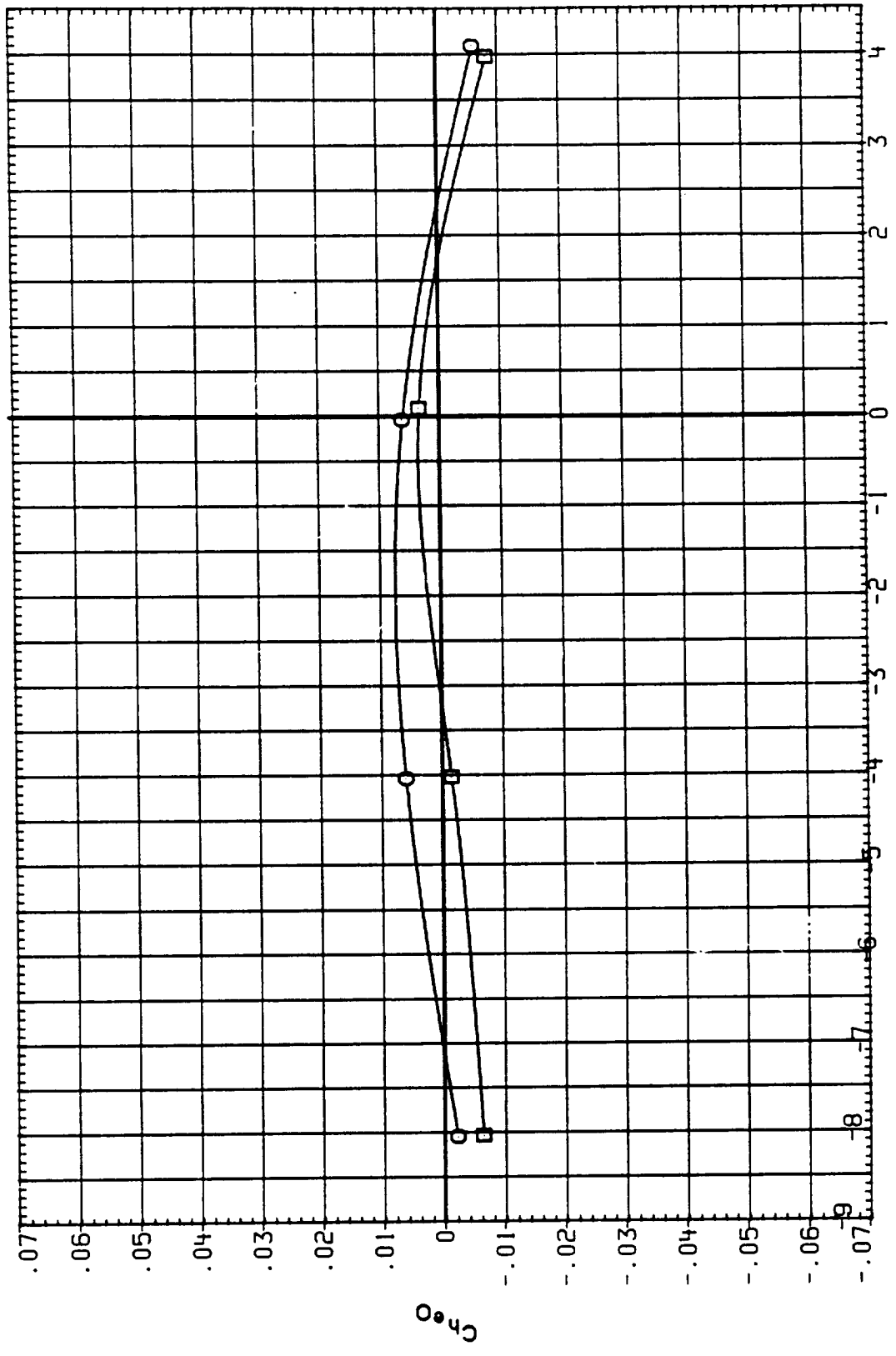


FIG. 5 EFFECT OF IEA BOX POSITION ON WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH IEABOX IB-ELV OB-ELV
 SC0045 O IAG13A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 .950 TOP 10.000 9.000
 SC0083 □ IAG13A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 .950 BOTTOM 10.000 9.000

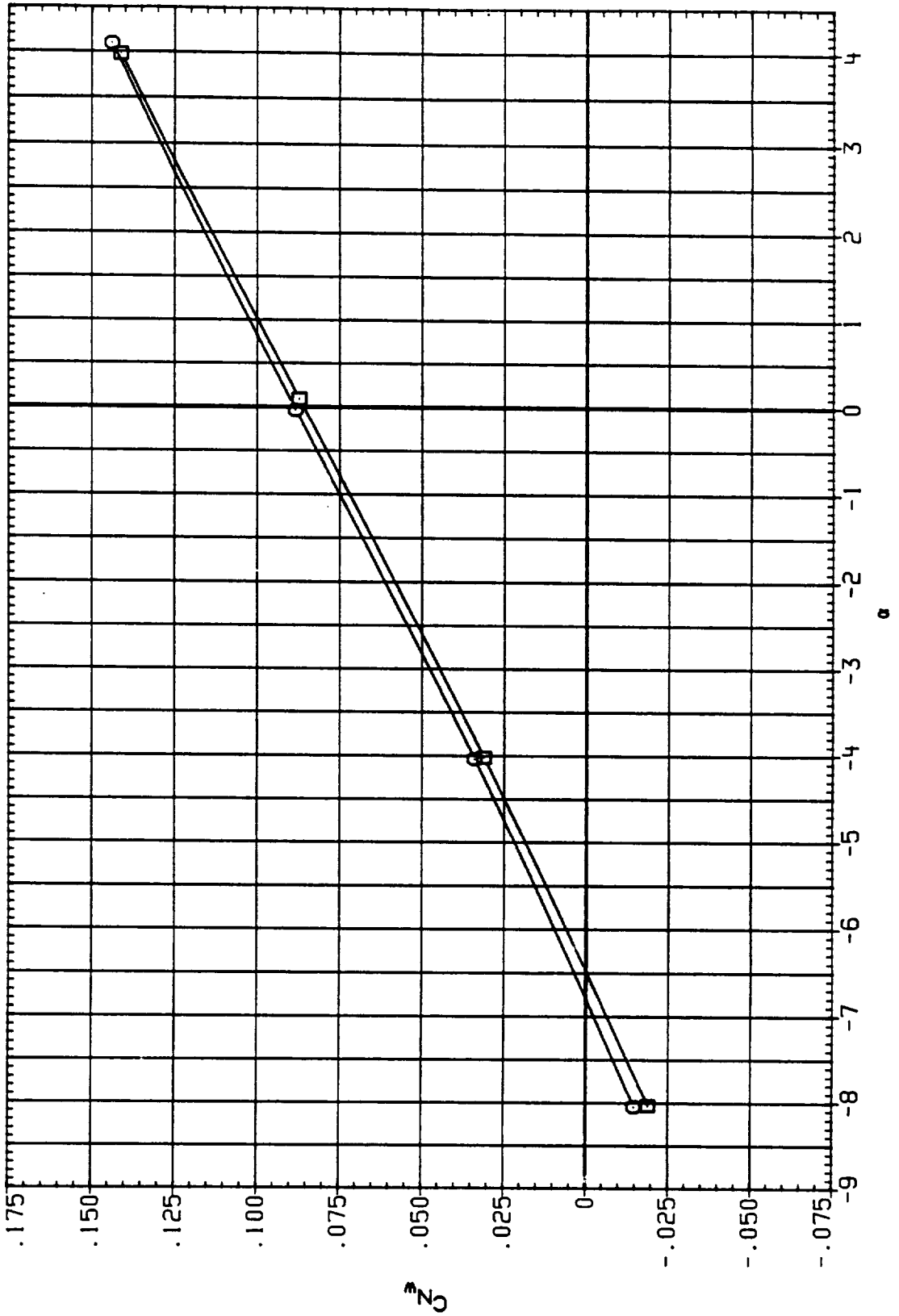


FIG. 5 EFFECT OF IEA BOX POSITION WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH IEABOX IB-ELV OB-ELV
 SC0045 1A613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2 .950 TOP 10.000 9.000
 SC0083 1A613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2 .950 BOTTOM 10.000 9.000

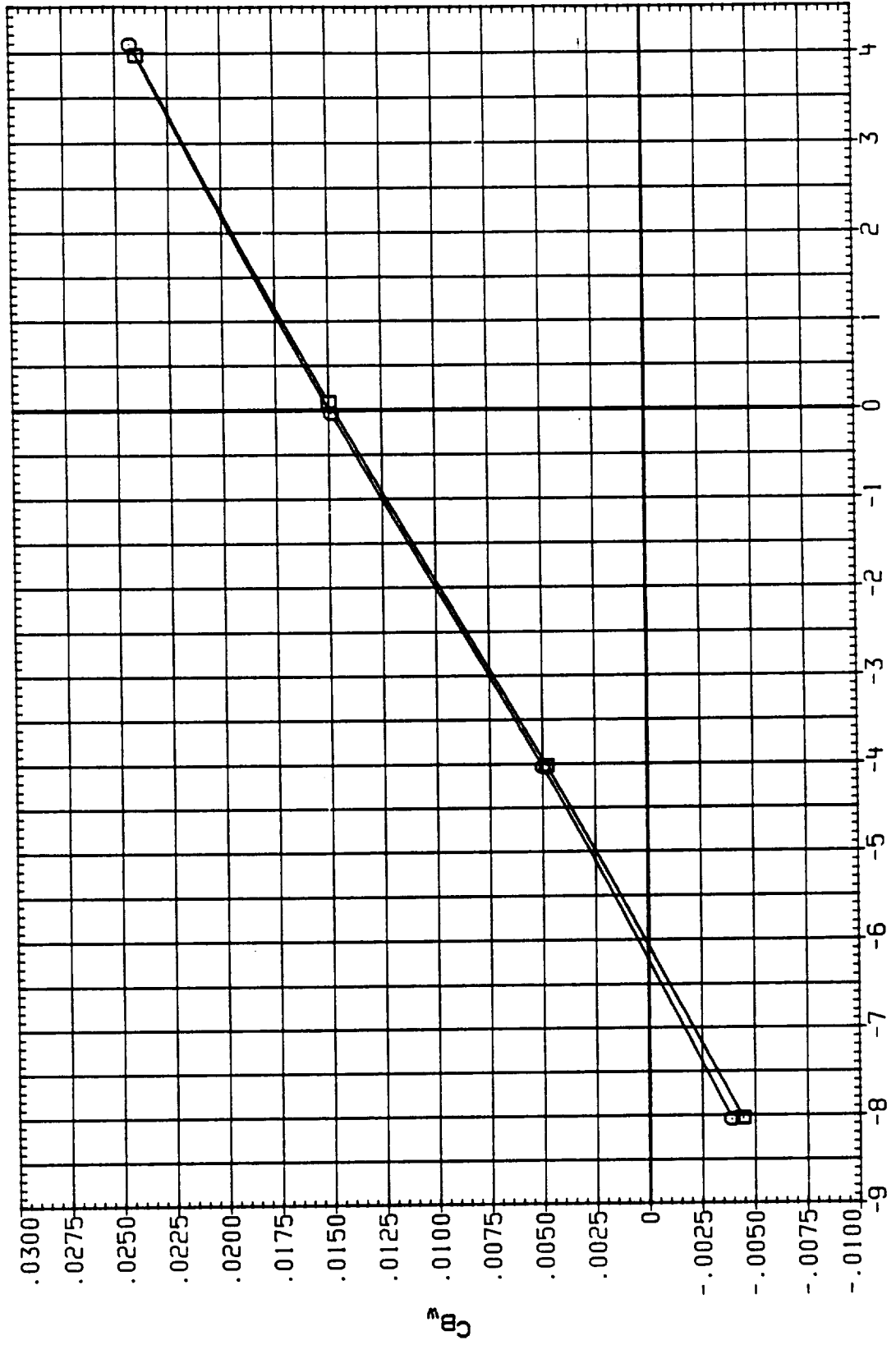


FIG. 5 EFFECT OF IEA BOX POSITION
 WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH IEA BOX IB-ELV OB-ELV

SC0045 O IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2 .950 TOP 10.000 9.000

SC0083 □ IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2 .950 BOTTOM 10.000 9.000

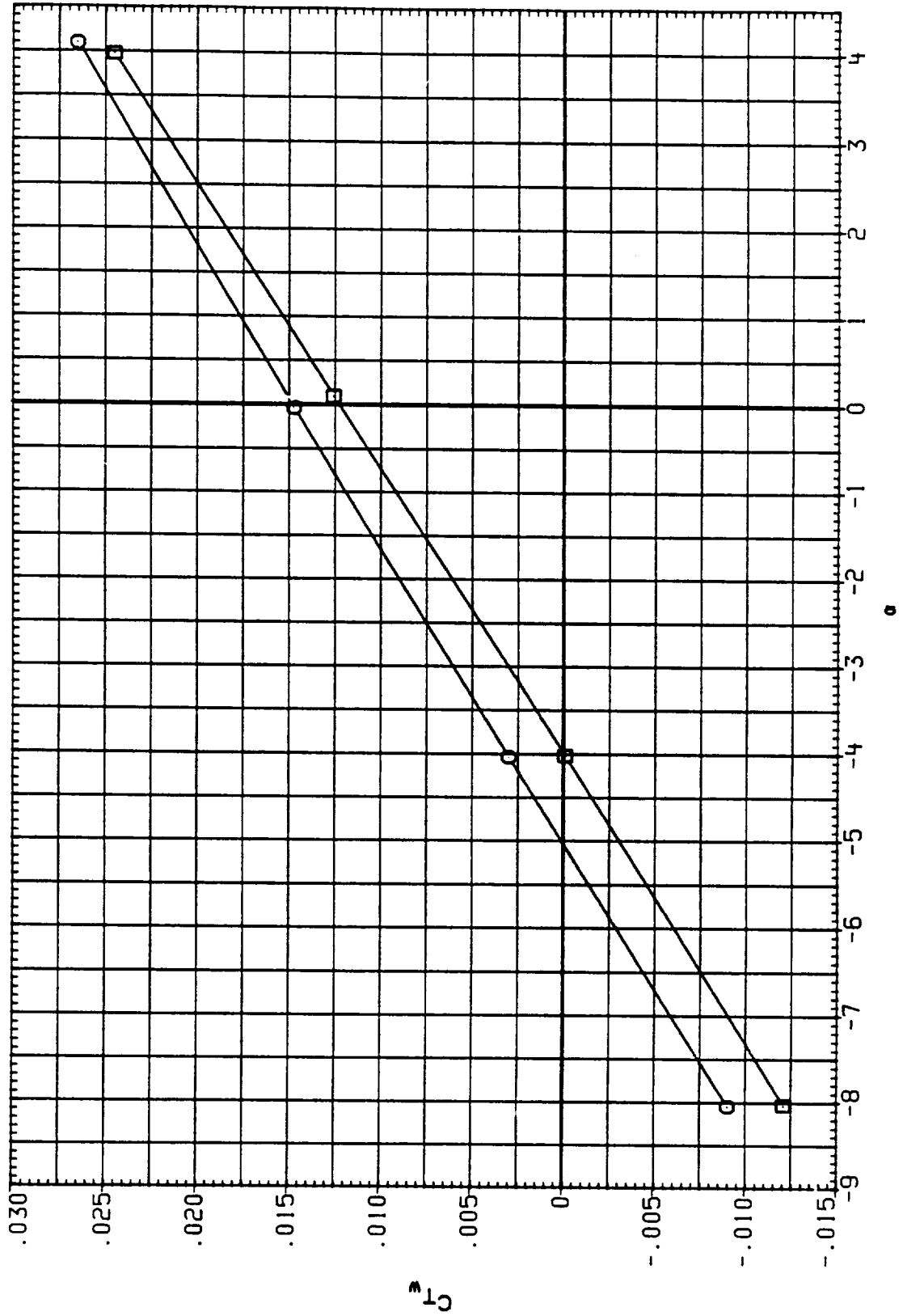


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL
 SC0046
 SC0084

CONFIGURATION

IA613A1AEDC 16:F-829) B/L 01 + ASRH+PLUMES S1.2
 IA613A1AEDC 16:F-829) B/L 01 + ASRH+PLUMES S1.2

MACH
 1.050
 1.050

IEABOX
 TOP
 BOTTOM

IB-ELV
 10.000
 10.000

OB-ELV
 9.000
 9.000

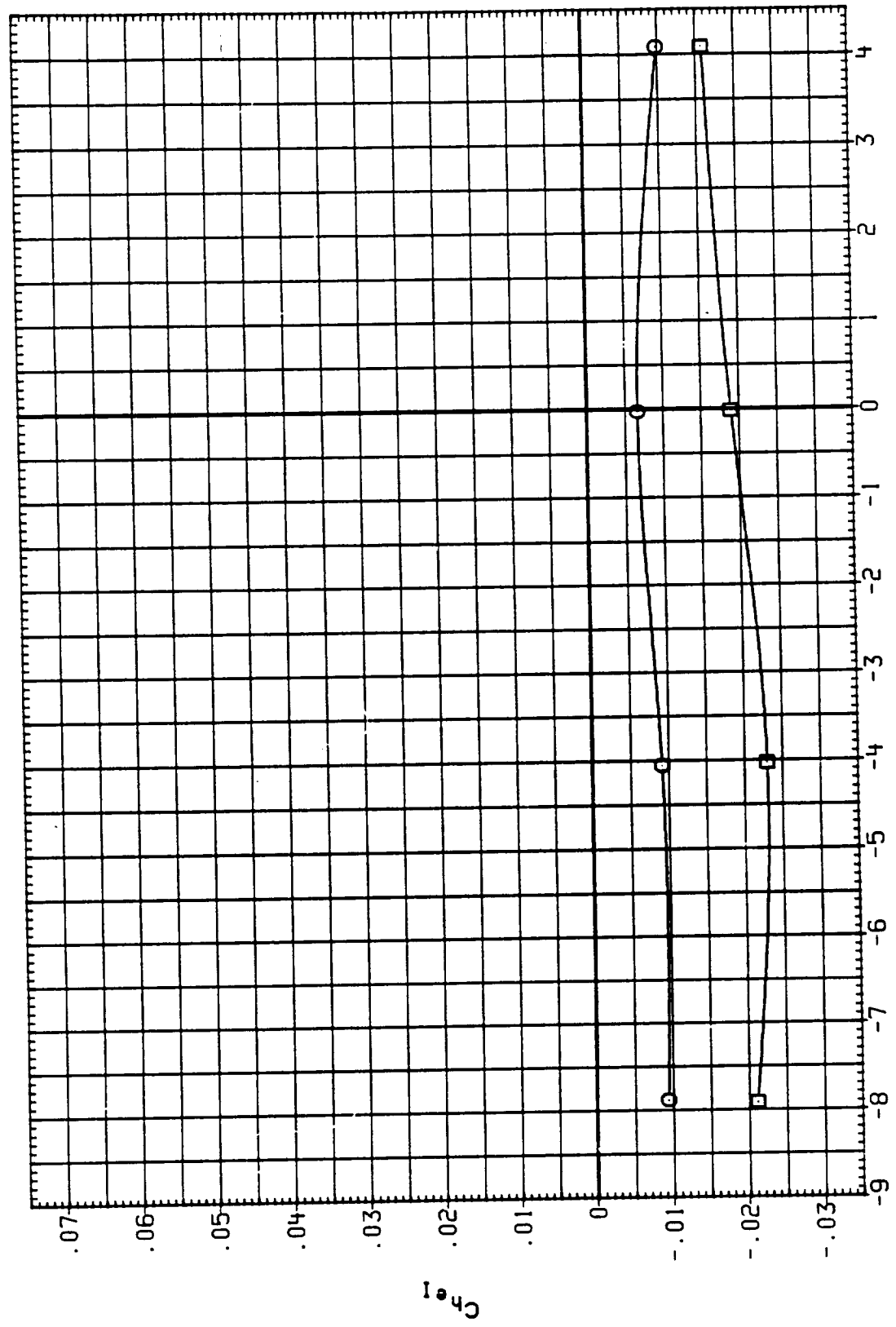


FIG. 5 EFFECT OF IEA BOX POSITION
 WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH IEA BOX IB-ELV OB-ELV

SC00H6 IA613A(AEDC 161F-829) B/L 01 + ASRM+PLUMES S1.2 1.050 TOP 10.000 9.000

SC00B4 IA613A(AEDC 51F-829) B/L 01 + ASRM+PLUMES S1.2 1.050 BOTTOM 10.000 9.000

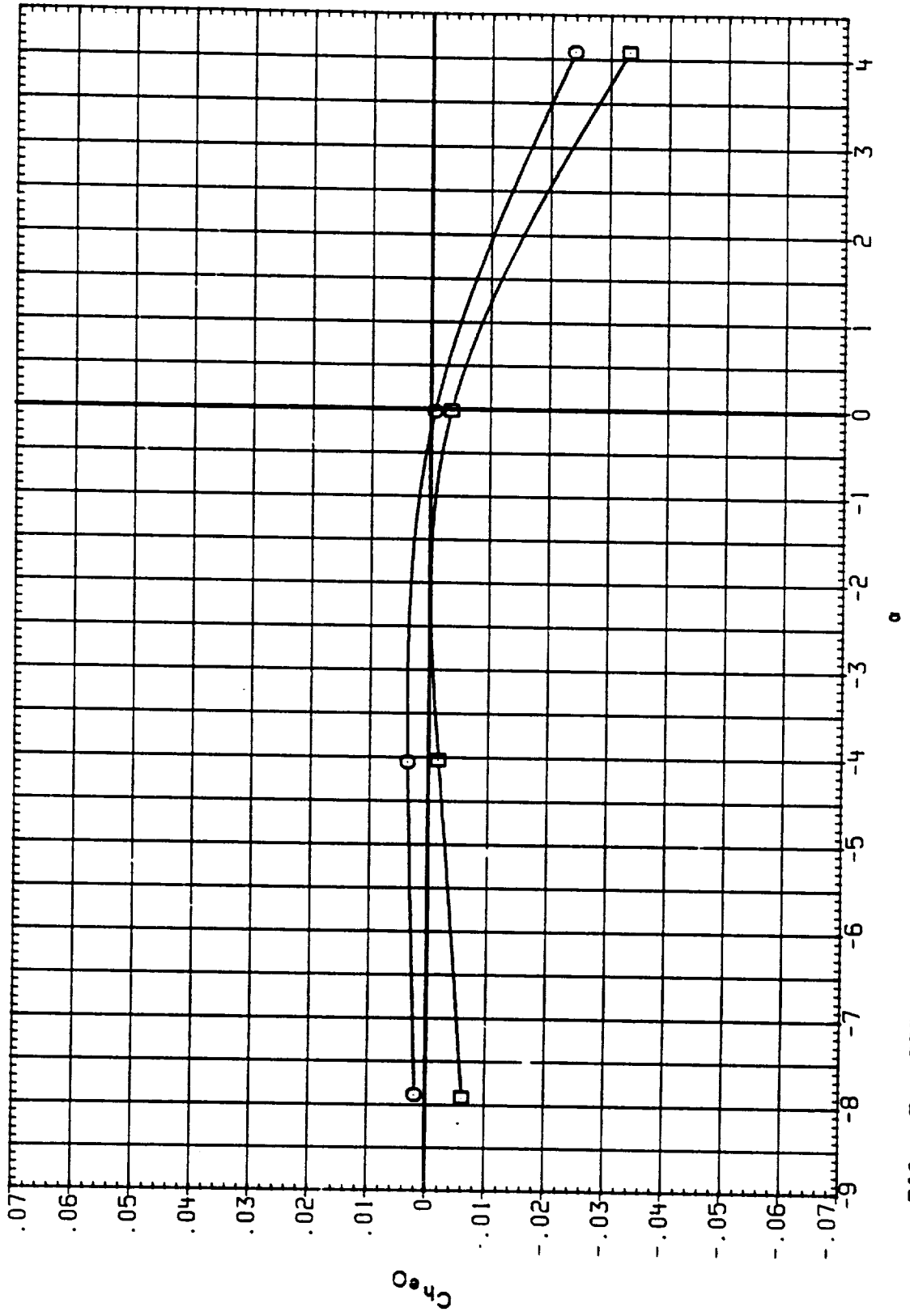


FIG. 5 EFFECT OF IEA BOX POSITION ON WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH IEA BOX IB-ELV OB-ELV
 SC00046 1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2 1.050 TOP 10.000 9.000
 SC00084 1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2 1.050 BOTTOM 10.000 9.000

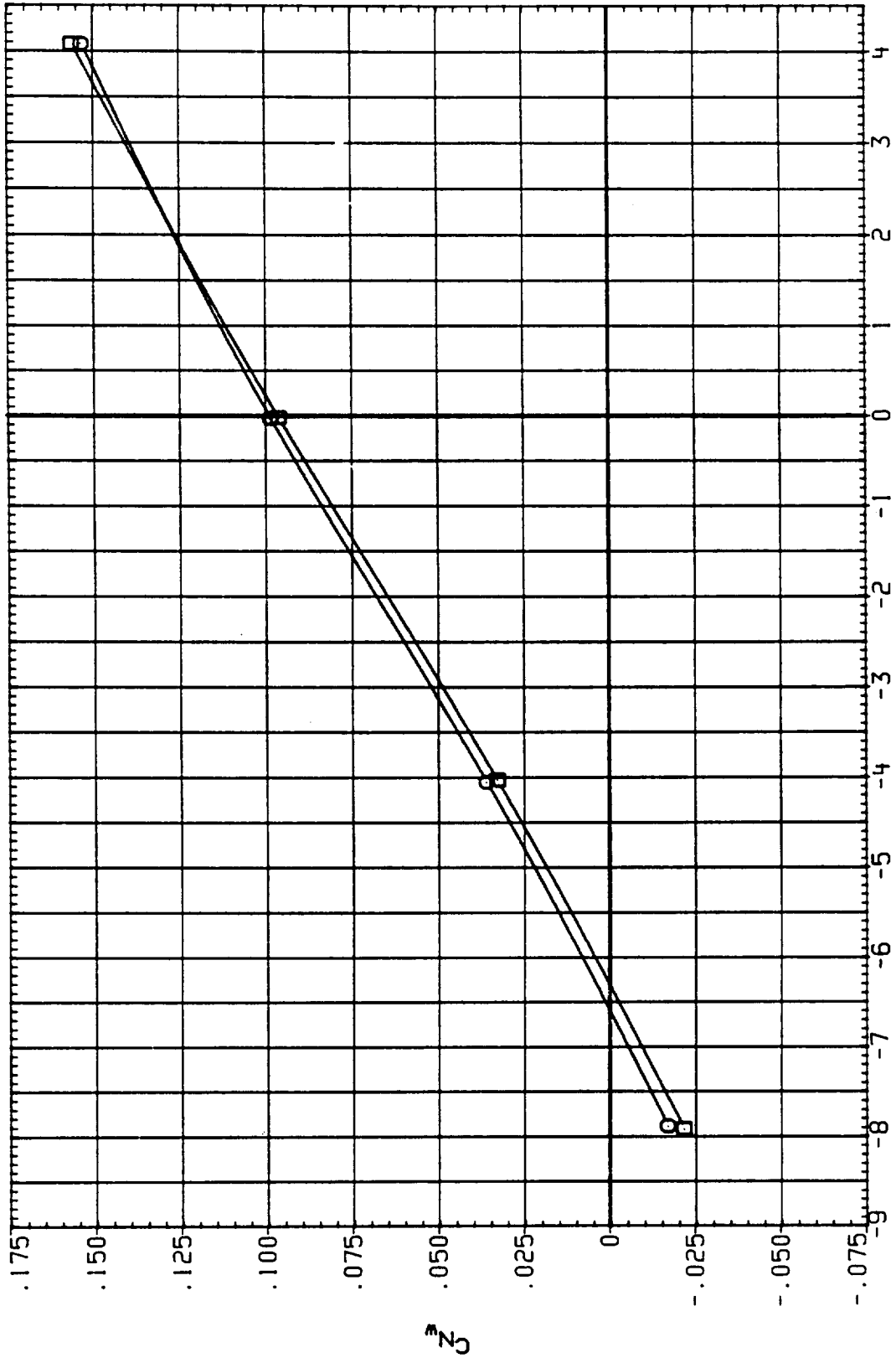


FIG. 5 EFFECT OF IEA BOX POSITION ON WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH IEABOX IB-ELV OB-ELV

SC0046 O 1A613A1AEDC 161F-8291 B/L OT + ASRH+PLUMES S1.2 1.050 TOP 10.000 9.000

SC0084 □ 1A613A1AEDC 161F-8291 B/L OT + ASRH+PLUMES S1.2 1.050 BOTTOM 10.000 9.000

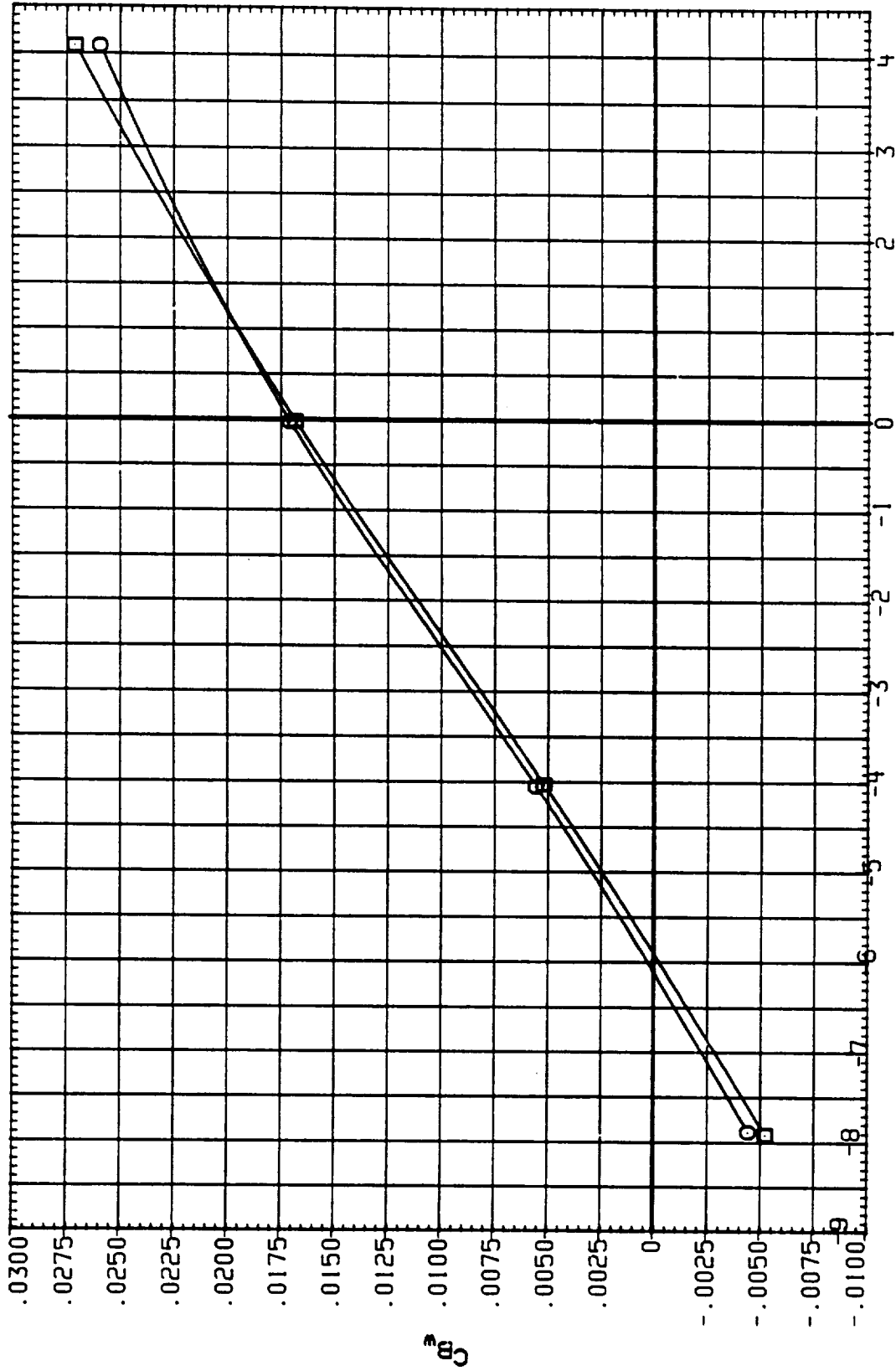


FIG. 5 EFFECT OF IEA BOX POSITION ON WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH IEABOX IB-ELV OB-ELV
 SC0046 IAB13A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2 1.050 TOP 10.000 9.000
 SC0084 IAB13A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2 1.050 BOTTOM 10.000 9.000

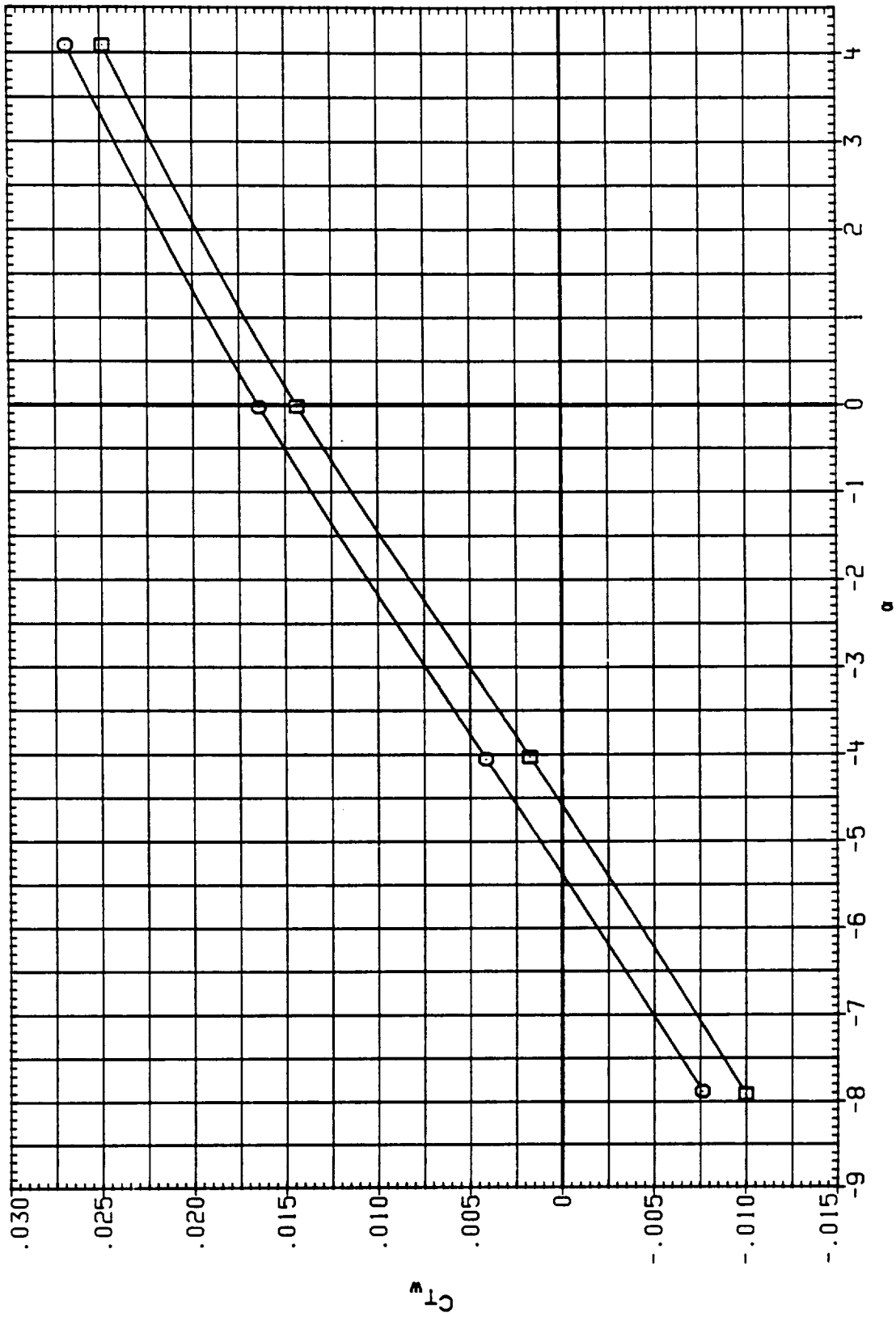


FIG. 5 EFFECT OF IEA BOX POSITION WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEA BOX	IB-ELV	OB-ELV
SC0047	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.100	TOP	10.000	9.000
SC0085	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.100	BOTTOM	10.000	9.000
SC00C3	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.100	T + B	10.000	5.000

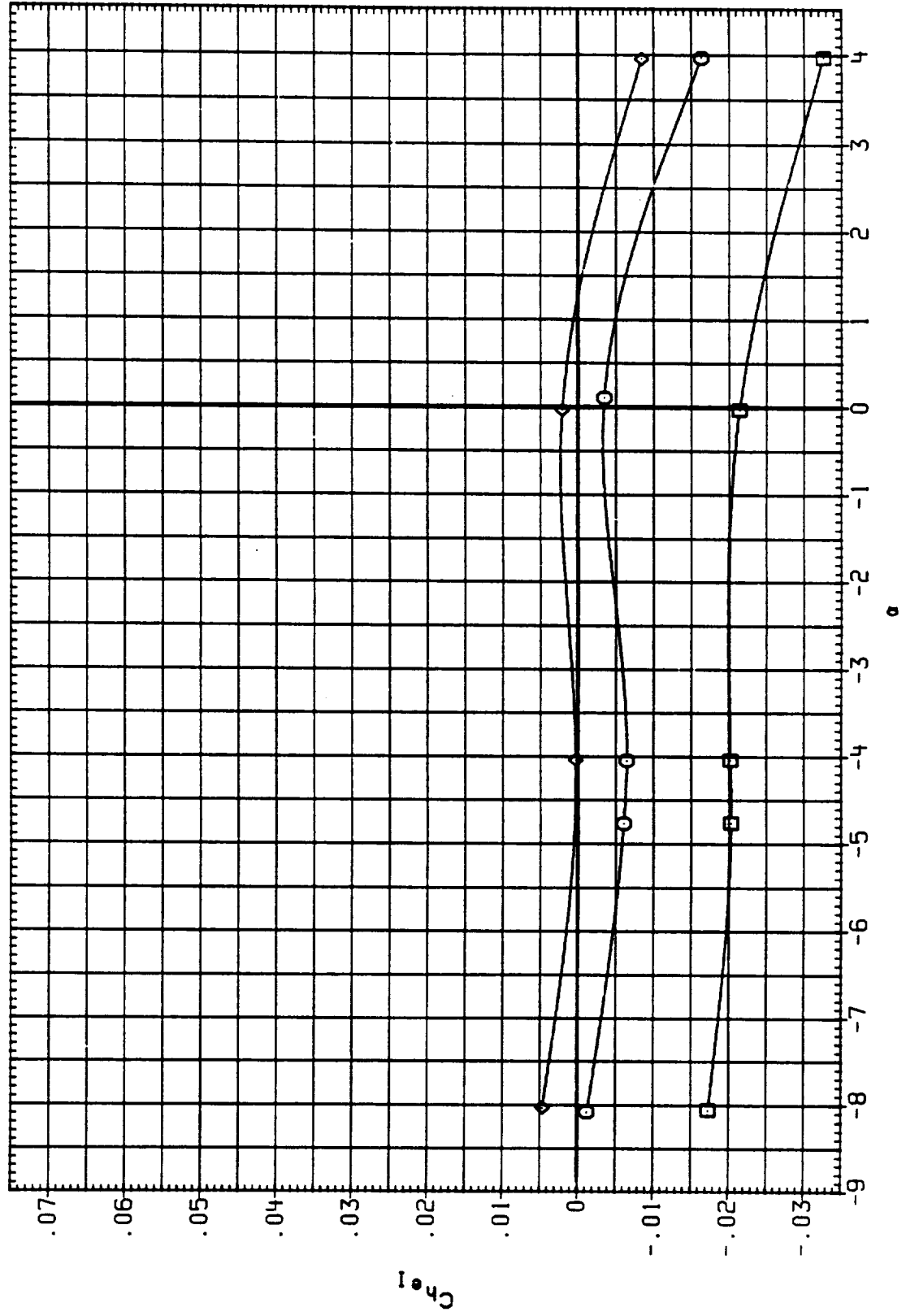


FIG. 5 EFFECT OF IEA BOX POSITION ON WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0047	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.100	TOP	10.000	9.000
SC0085	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.100	BOTTOM	10.000	9.000
SC00C3	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.100	T + B	10.000	5.000

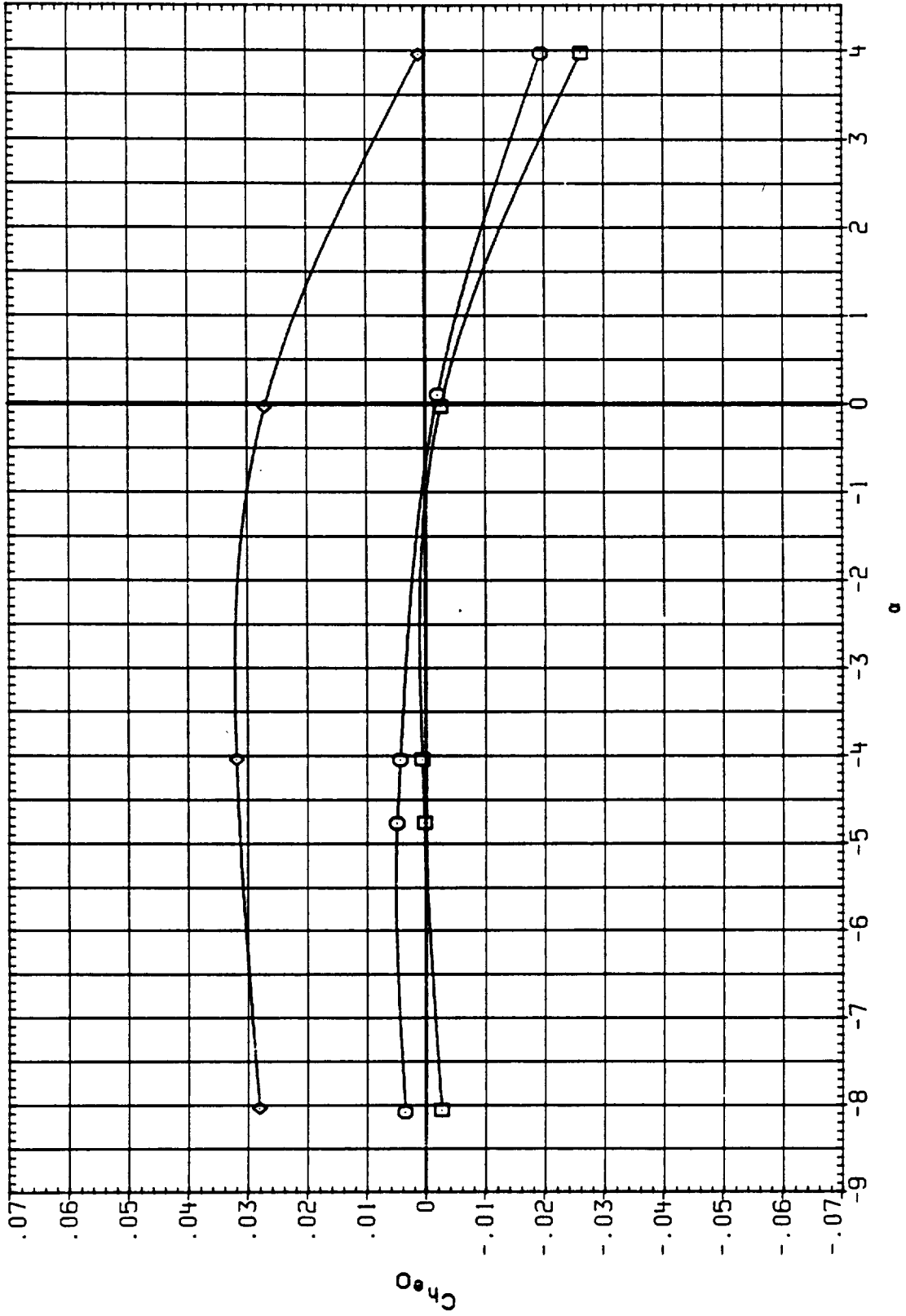


FIG. 5 EFFECT OF IEA BOX POSITION
ON WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0047	IAG13A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	1.100	TOP	10.000	9.000
SC0085	IAG13A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	1.100	BOTTOM	10.000	9.000
SC00C3	IAG13A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	1.100	T + B	10.000	5.000

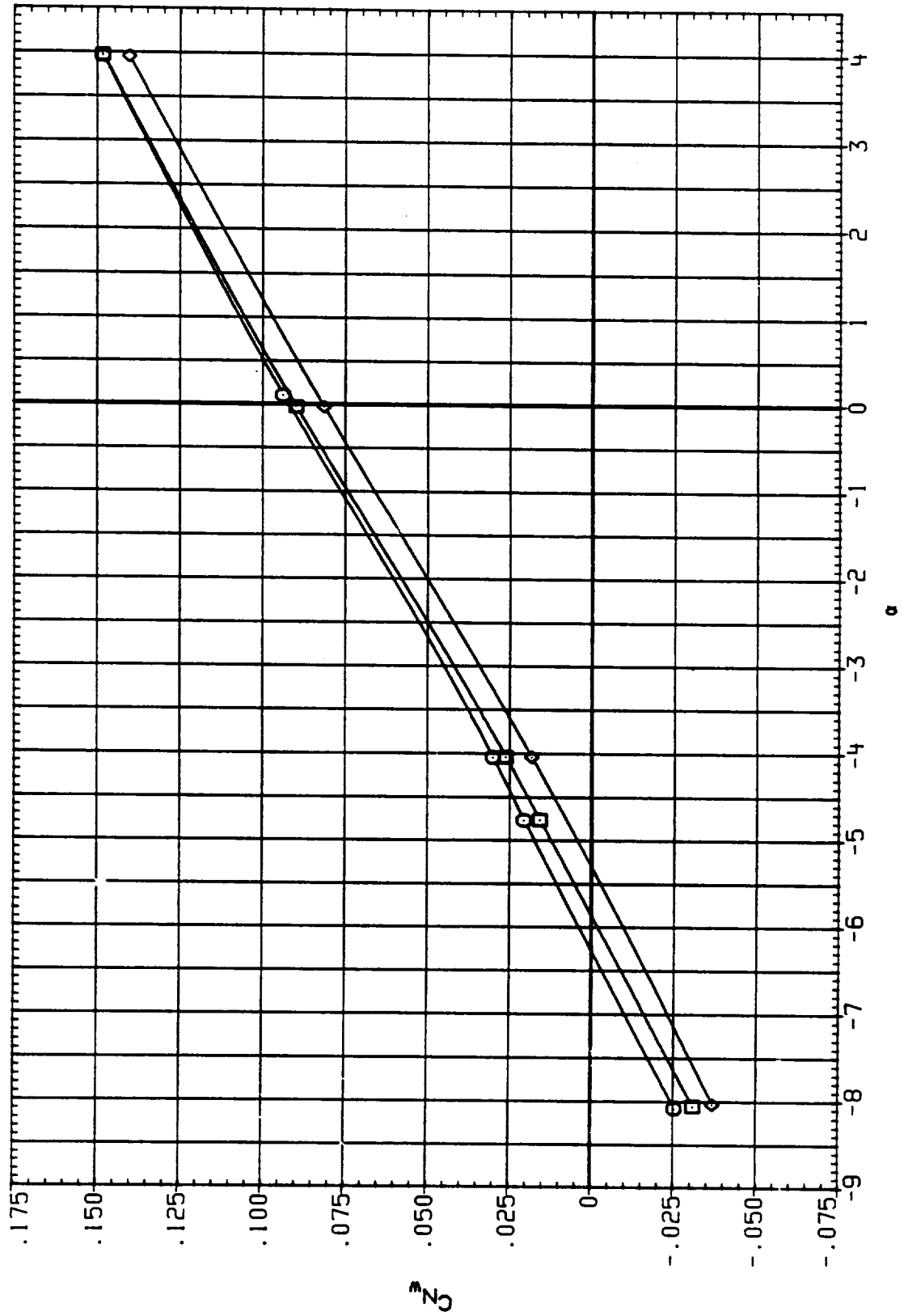


FIG. 5 EFFECT OF IEA BOX POSITION WING LOADS

(1) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0047	□	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.100	TOP	10.000	9.000
SC0085	□	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.100	BOTTOM	10.000	9.000
SC00C3	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.100	T + B	10.000	5.000

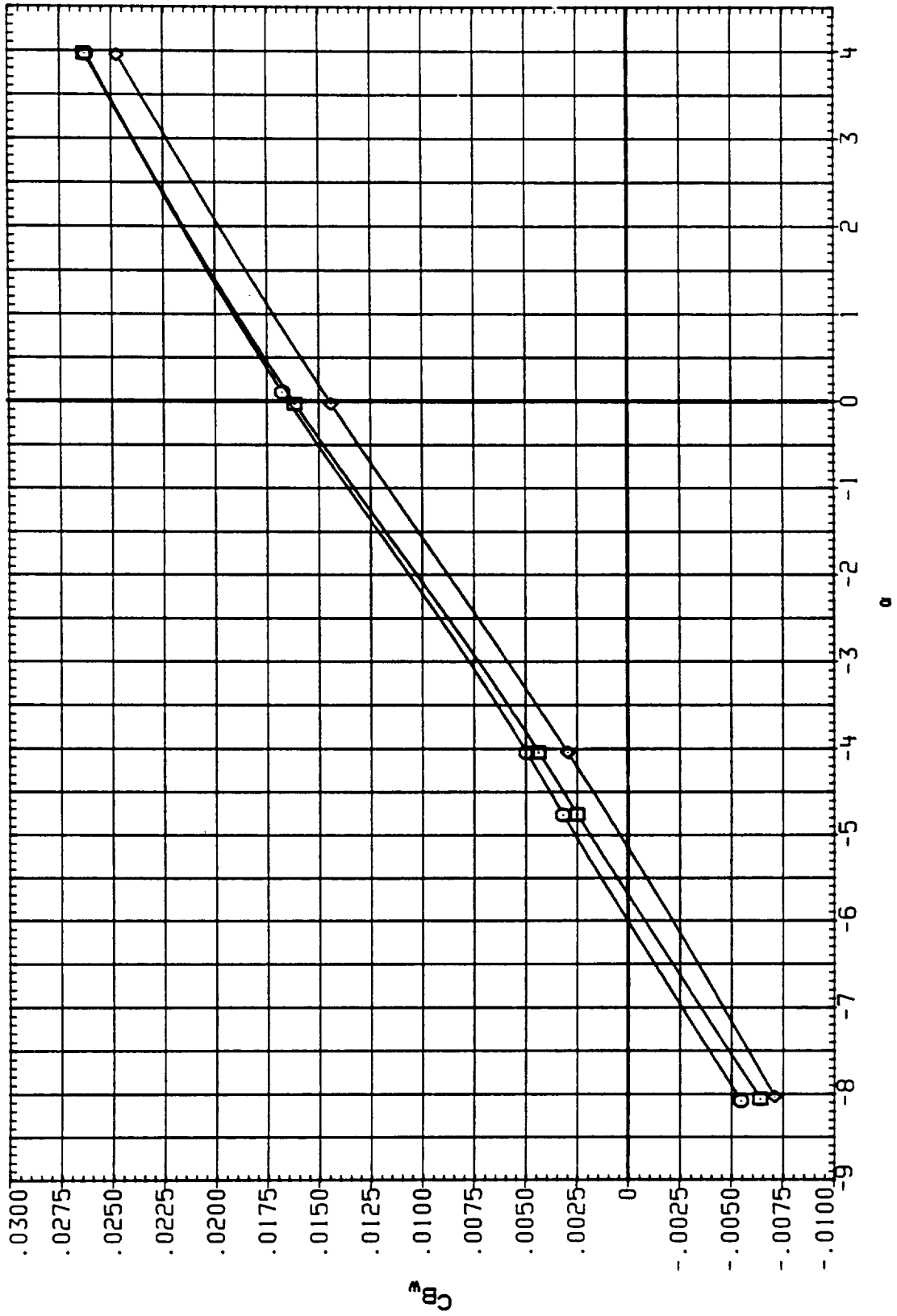


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC00H7	1A613A1AEDC 161F-8291 B/L OT + ASRM+PLUNES S1.2	1.100	TOP	10.000	9.000
SC00B5	1A613A1AEDC 161F-8291 B/L OT + ASRM+PLUNES S1.2	1.100	BOTTOM	10.000	9.000
SC00C3	1A613A1AEDC 161F-8291 B/L OT + ASRM+PLUNES S1.2	1.100	1 + B	10.000	5.000

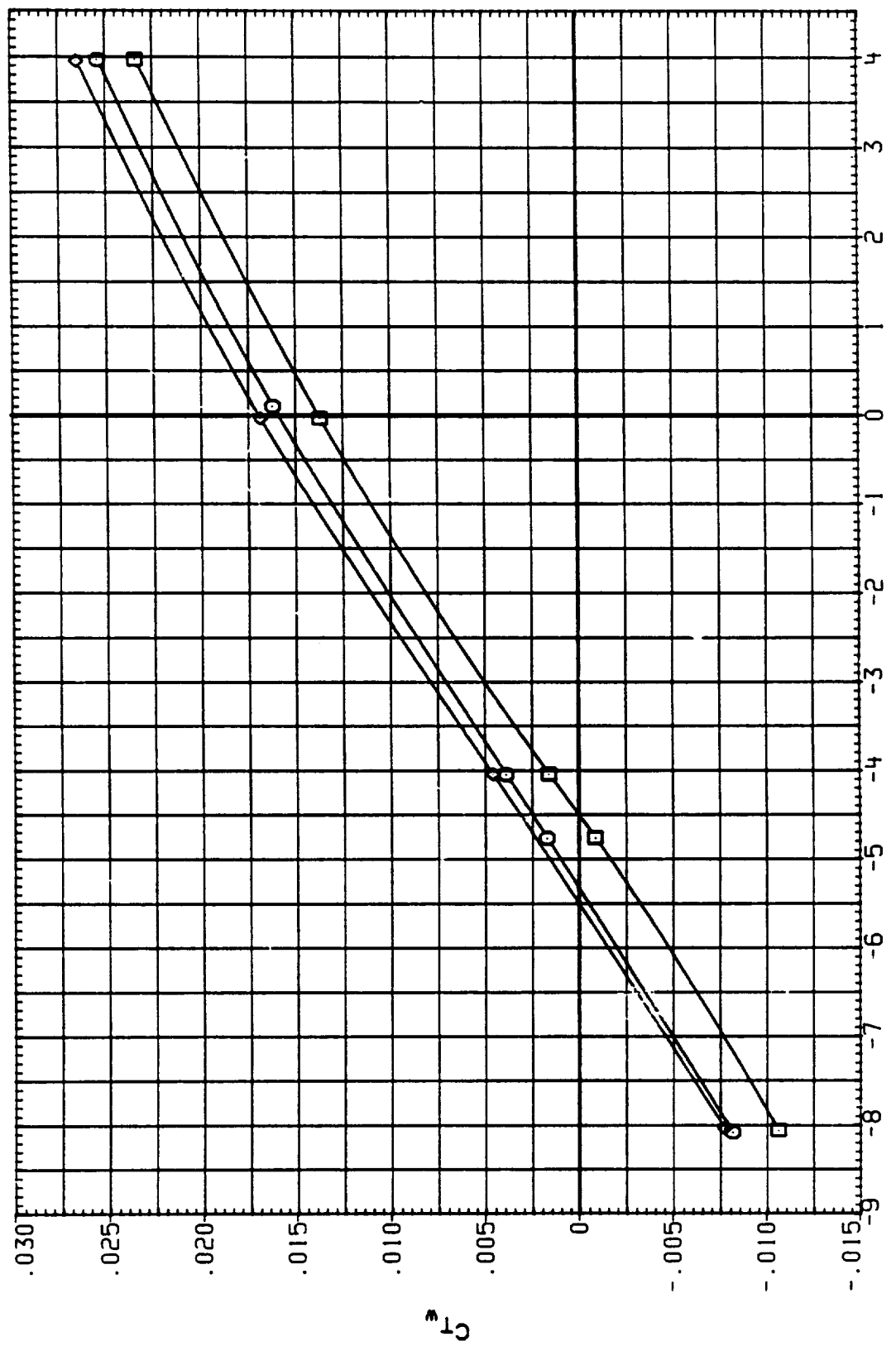


FIG. 5 EFFECT OF IEA BOX POSITION ON WING LOADS

BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0048	1A613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	1.150	TOP	10.000	9.000
SC0086	1A613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	1.150	BOTTOM	10.000	9.000
YC00C4	1A613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	1.150	T + B	10.000	5.000

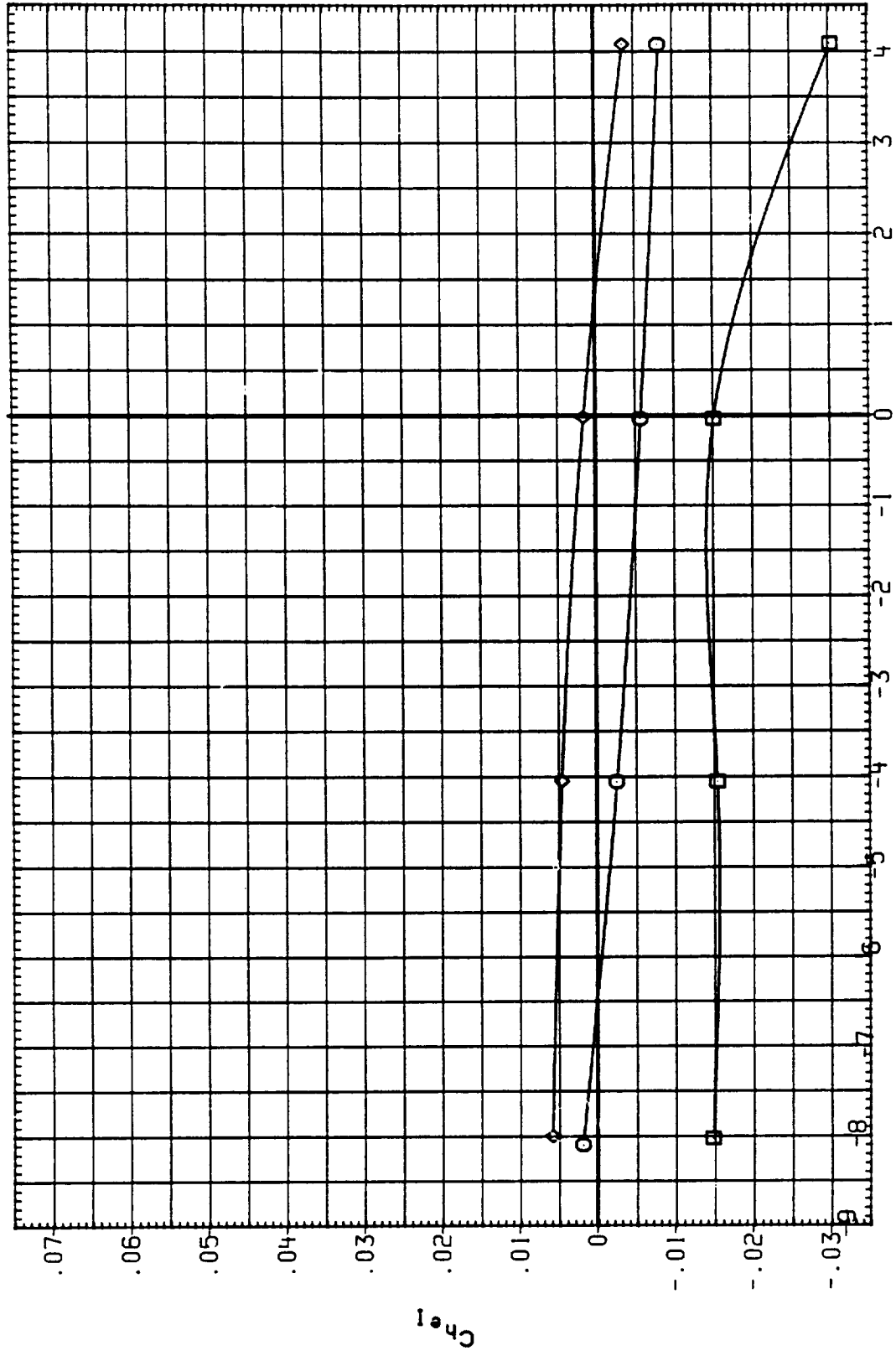


FIG. 5 EFFECT OF IEA BOX POSITION ON WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC00048	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	9.000
SC00086	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	BOTTOM	10.000	9.000
YC000C4	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	7 + 8	10.000	5.000

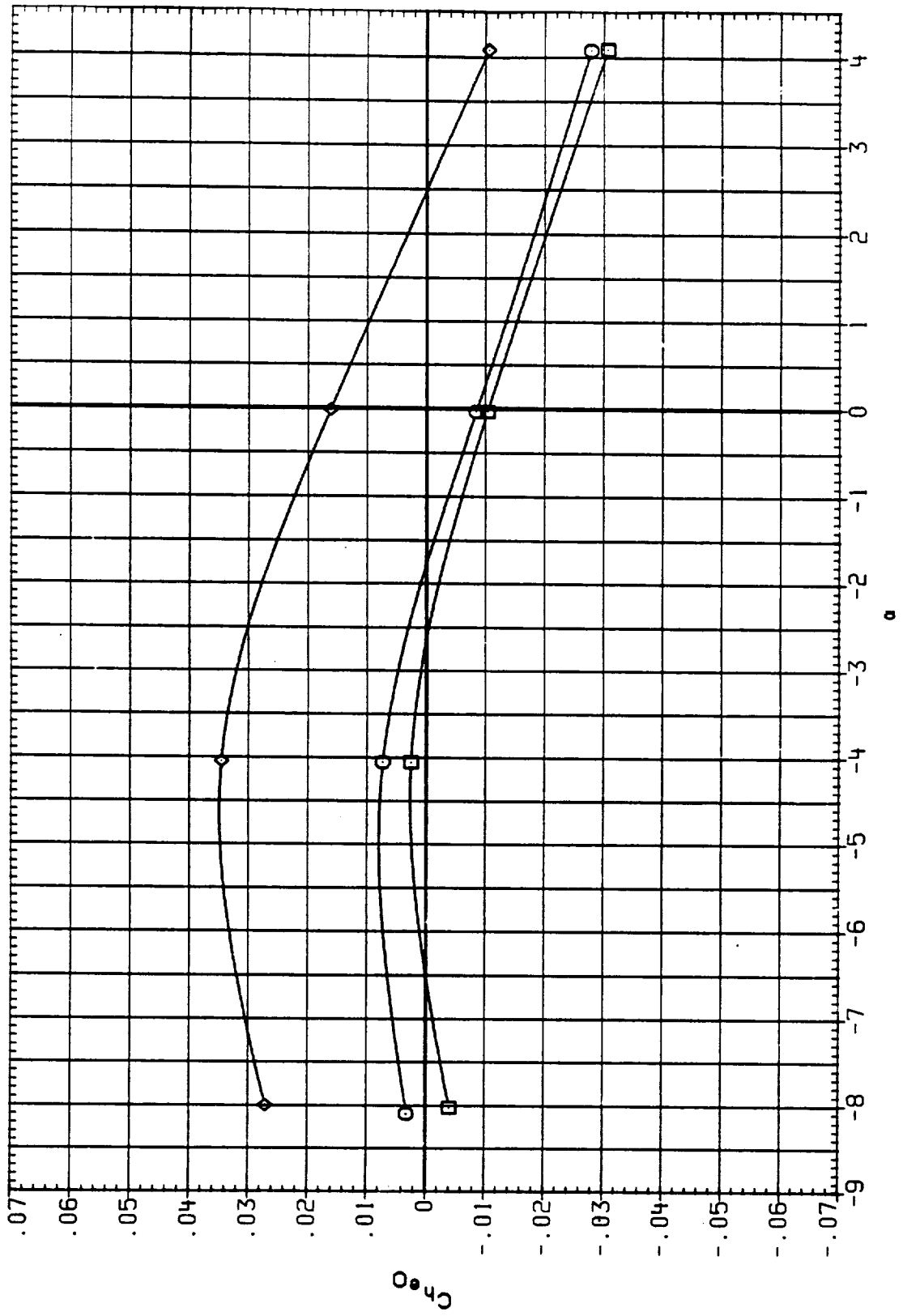


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0048	○	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	9.000
SC0086	□	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.150	BOTTOM	10.000	9.000
YC0004	◇	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.150	T + B	10.000	5.000

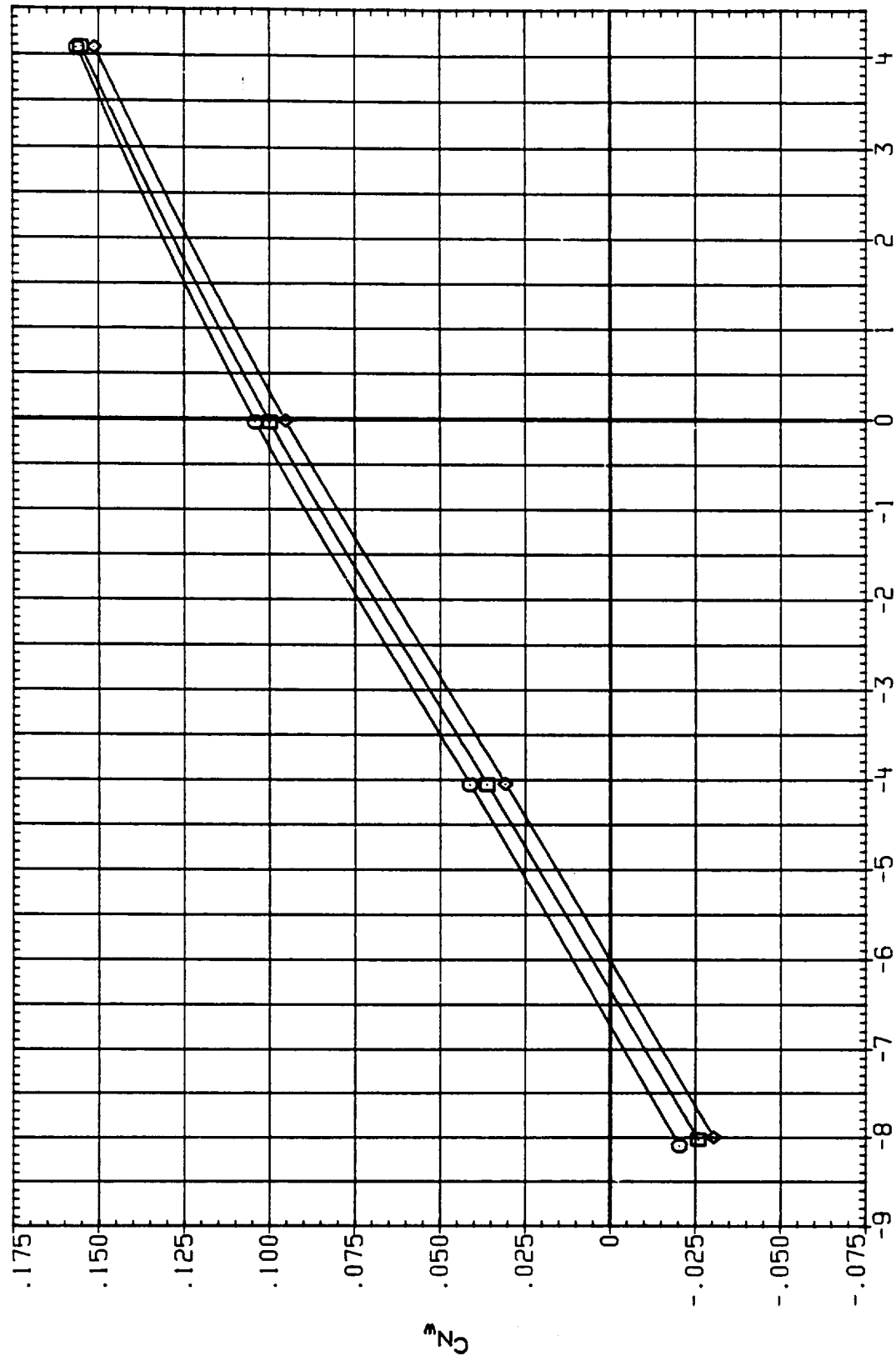


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH IEABOX 1B-ELV 0B-ELV

SC0048 IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2 1.150 TOP 10.000 9.000

SC0086 IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2 1.150 BOTTOM 10.000 9.000

YC0004 IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2 1.150 T + B 10.000 5.000

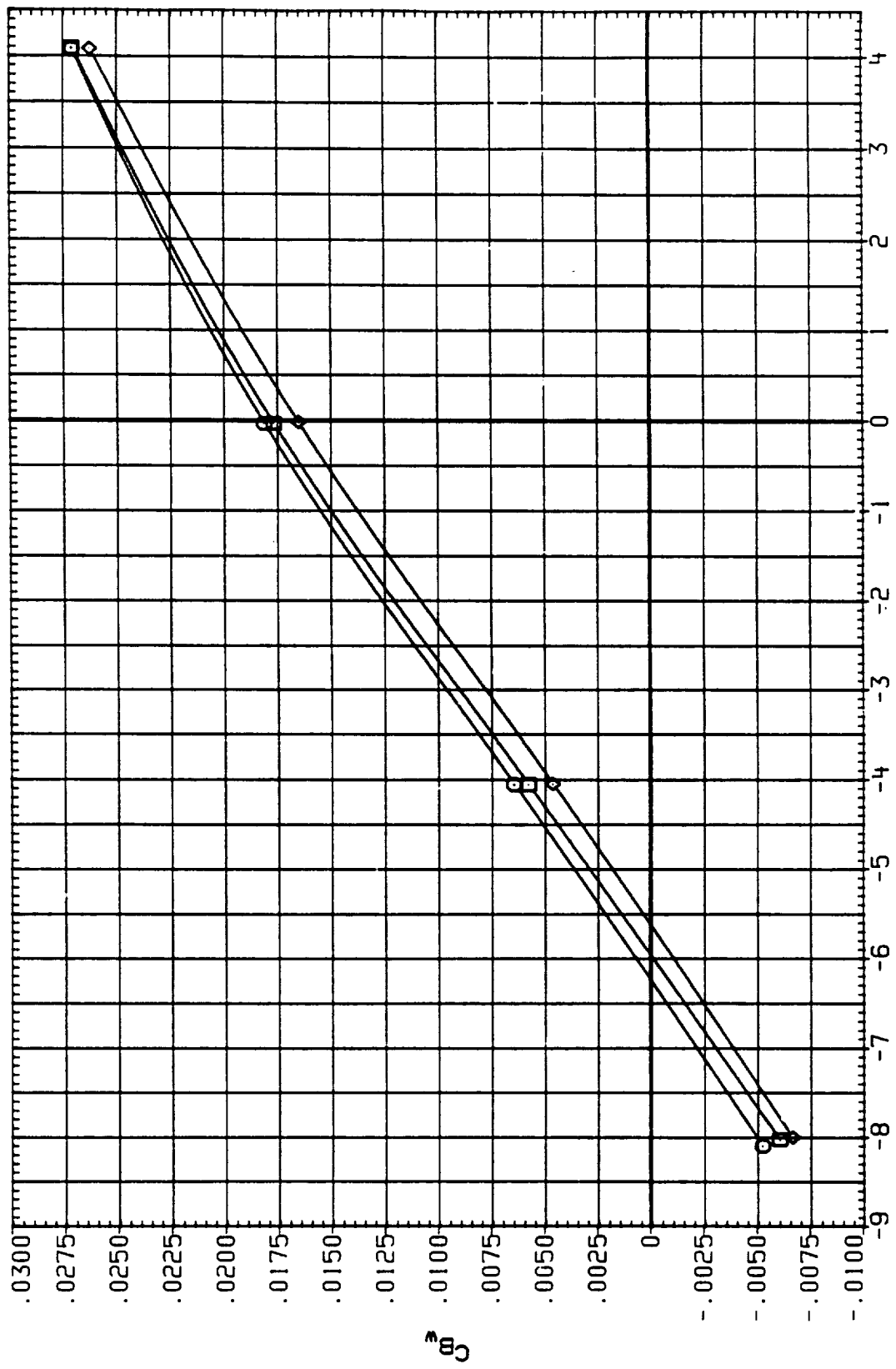


FIG. 5 EFFECT OF IEA BOX POSITION ON WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0048	□	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	9.000
SC0085	□	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	BOTTOM	10.000	9.000
YC0004	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	T + B	10.000	5.000

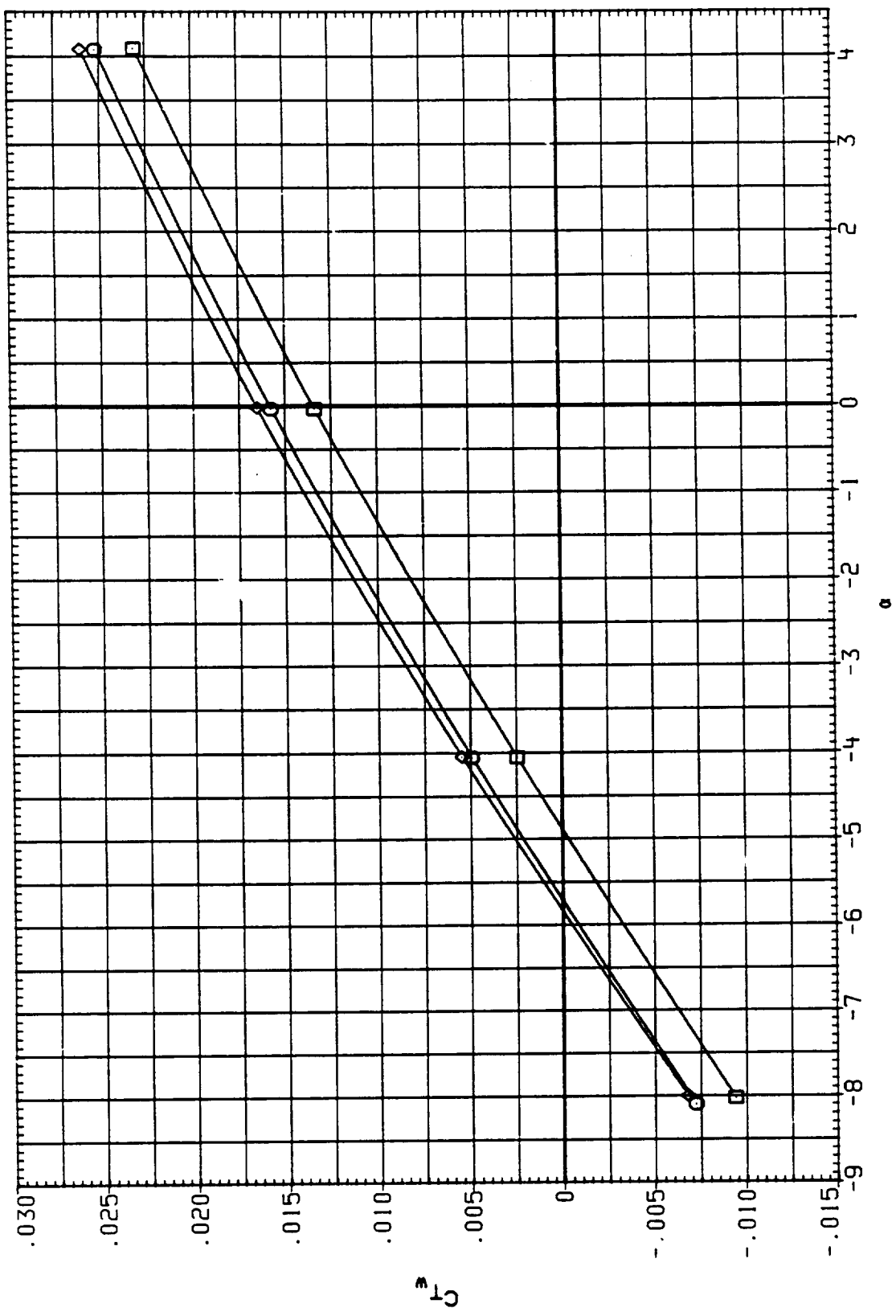


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0049	IAB13A1AEDC 161F-829) B/L 01 + ASRH+PLUMES S1.2	1.250	TOP	10.000	9.000
SC0087	IAB13A1AEDC 161F-829) B/L 01 + ASRH+PLUMES S1.2	1.250	BOTTOM	10.000	9.000
SC00C5	IAB13A1AEDC 161F-829) B/L 01 + ASRH+PLUMES S1.2	1.250	T + B	10.000	5.000
SC00C6	IAB13A1AEDC 161F-829) B/L 01 + ASRH+PLUMES S1.3	1.250	T + B	10.000	5.000

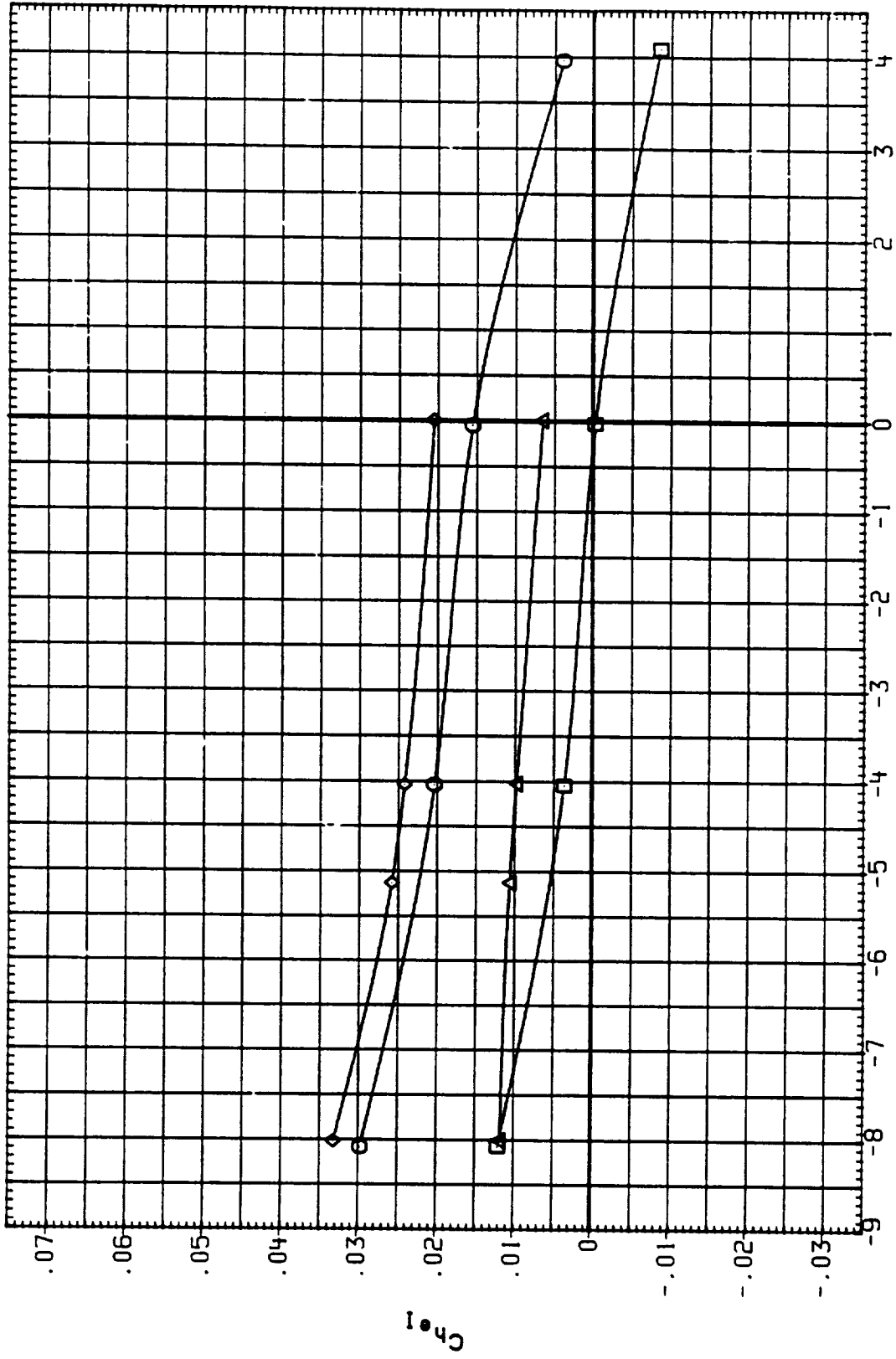


FIG. 5 EFFECT OF IEA BOX POSITION ON WING LOADS

(A) BETA = .00

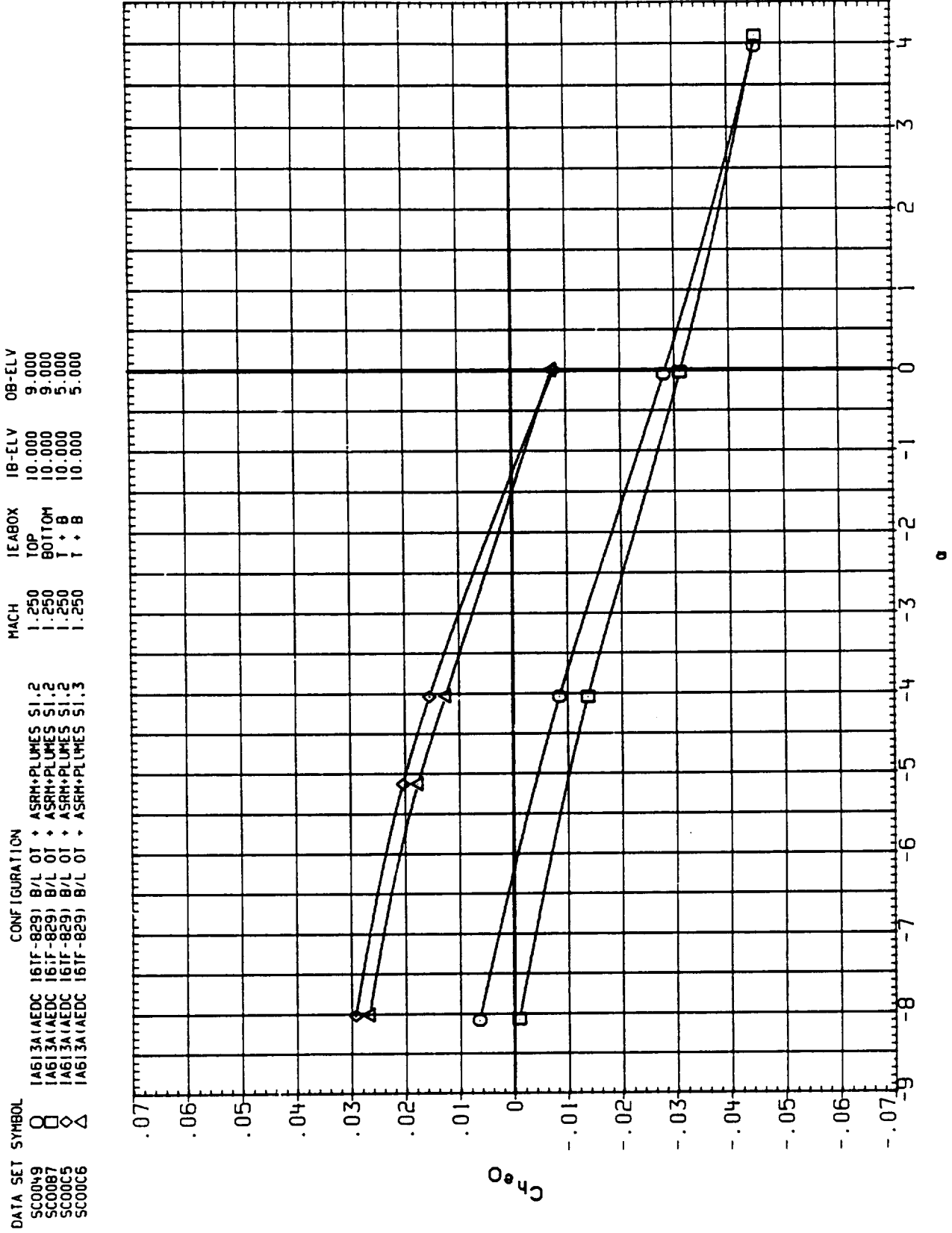


FIG. 5 EFFECT OF IEA BOX POSITION ON WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0049	IA613A(AEDC 161F-829) B/L OT * ASRH+PLUMES S1.2	1.250	TOP	10.000	9.000
SC0087	IA613A(AEDC 161F-829) B/L OT * ASRH+PLUMES S1.2	1.250	BOTTOM	10.000	9.000
SC00C5	IA613A(AEDC 161F-829) B/L OT * ASRH+PLUMES S1.2	1.250	T + B	10.000	5.000
SC00C6	IA613A(AEDC 161F-829) B/L OT * ASRH+PLUMES S1.3	1.250	T + B	10.000	5.000

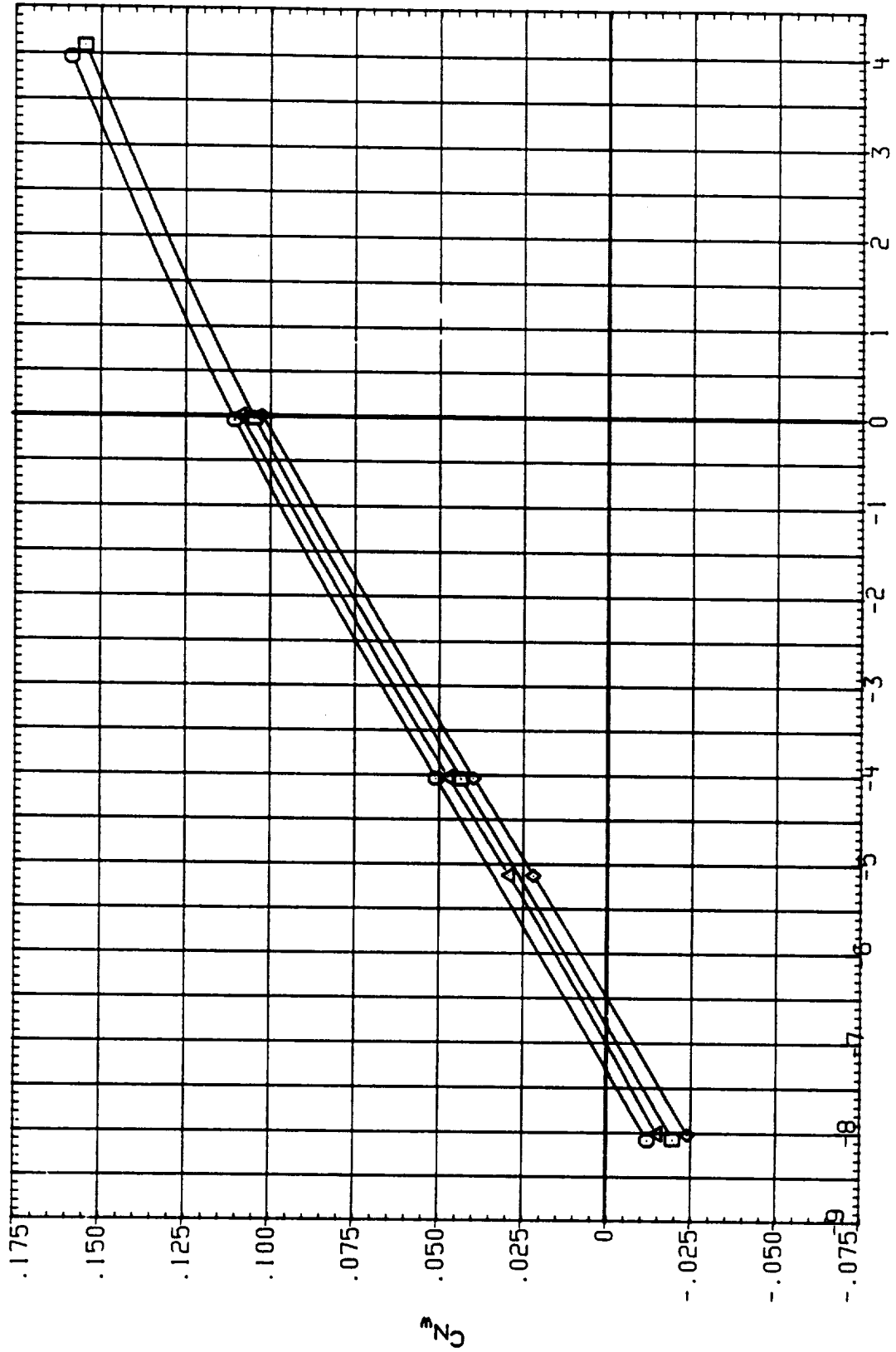


FIG. 5 EFFECT OF IEA BOX POSITION ON WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0049	IAB13A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.250	TOP	10.000	9.000
SC0087	IAB13A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.250	BOTTOM	10.000	9.000
SC00C5	IAB13A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.250	T + B	10.000	5.000
SC00C6	IAB13A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.250	T + B	10.000	5.000

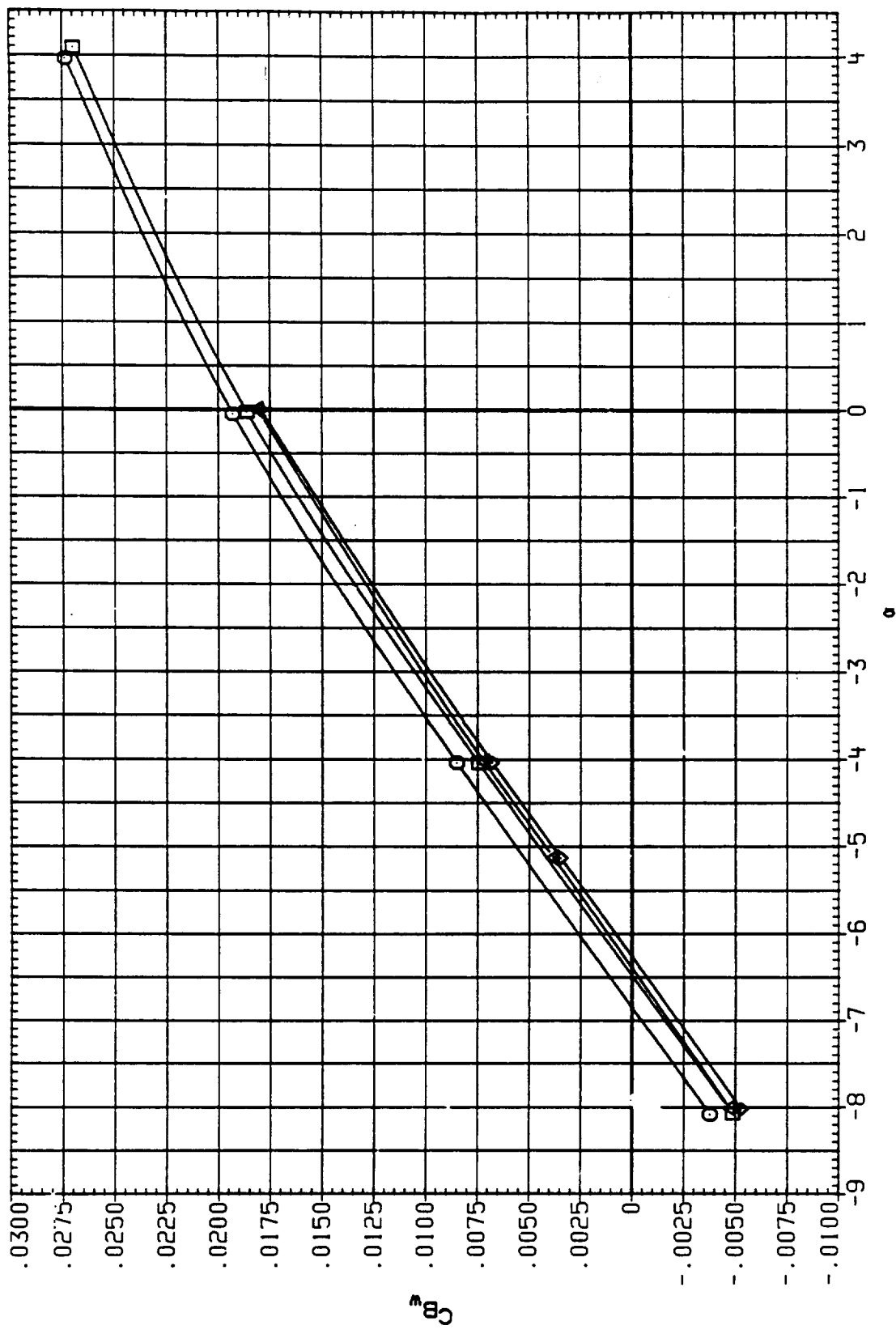


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELY	OB-ELY
SC0049	□	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.250	TOP	10.000	9.000
SC0087	○	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.250	BOTTOM	10.000	9.000
SC0005	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.250	T + B	10.000	5.000
SC0006	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.250	T + B	10.000	5.000

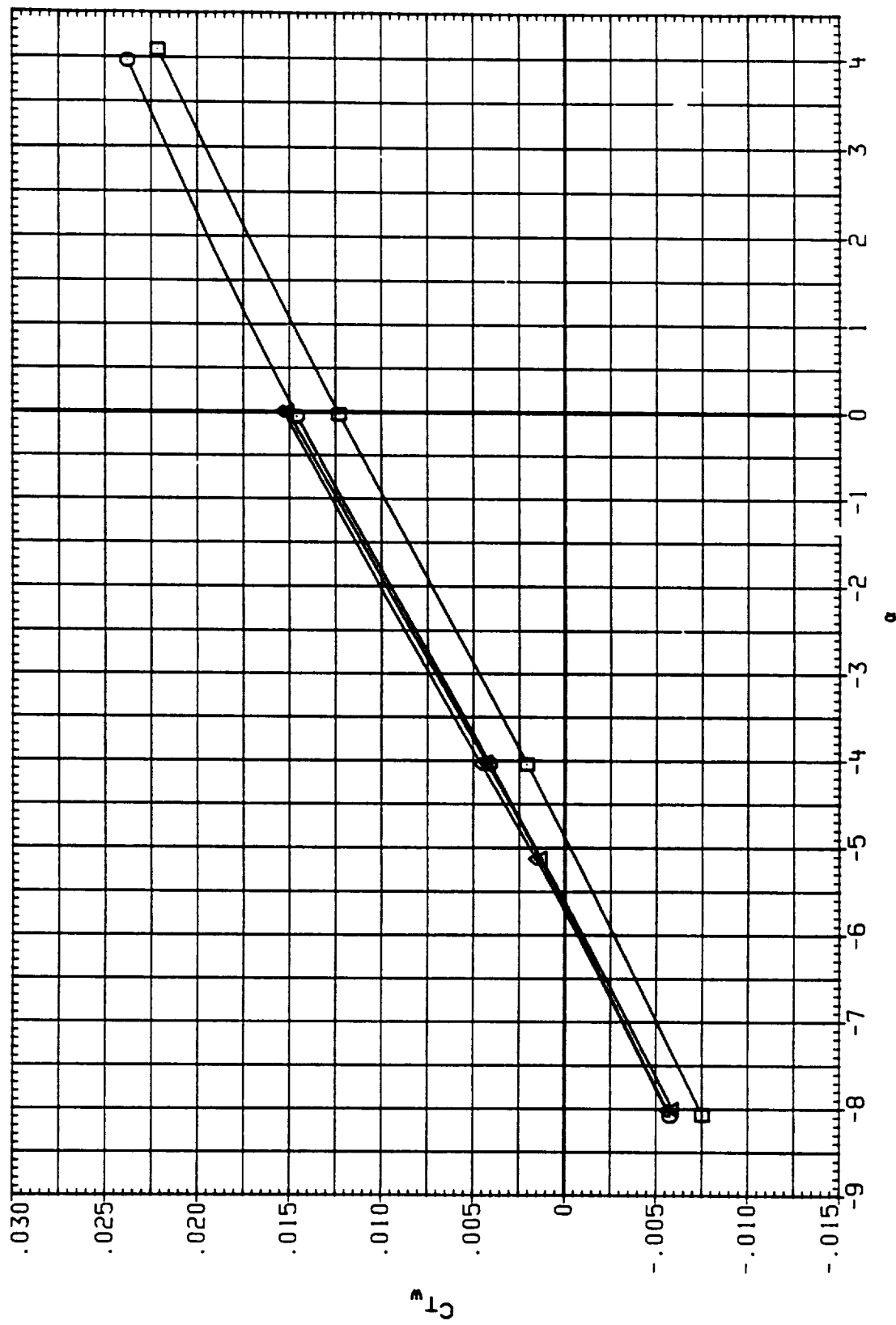


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH IEABOX IB-ELV OB-ELV

SC0054 □ IAG13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3 1.300 TOP 10.000 5.000

SC0089 ○ IAG13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3 1.300 BOTTOM 10.000 5.000

SC00C7 ◇ IAG13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3 1.300 T + B 10.000 5.000

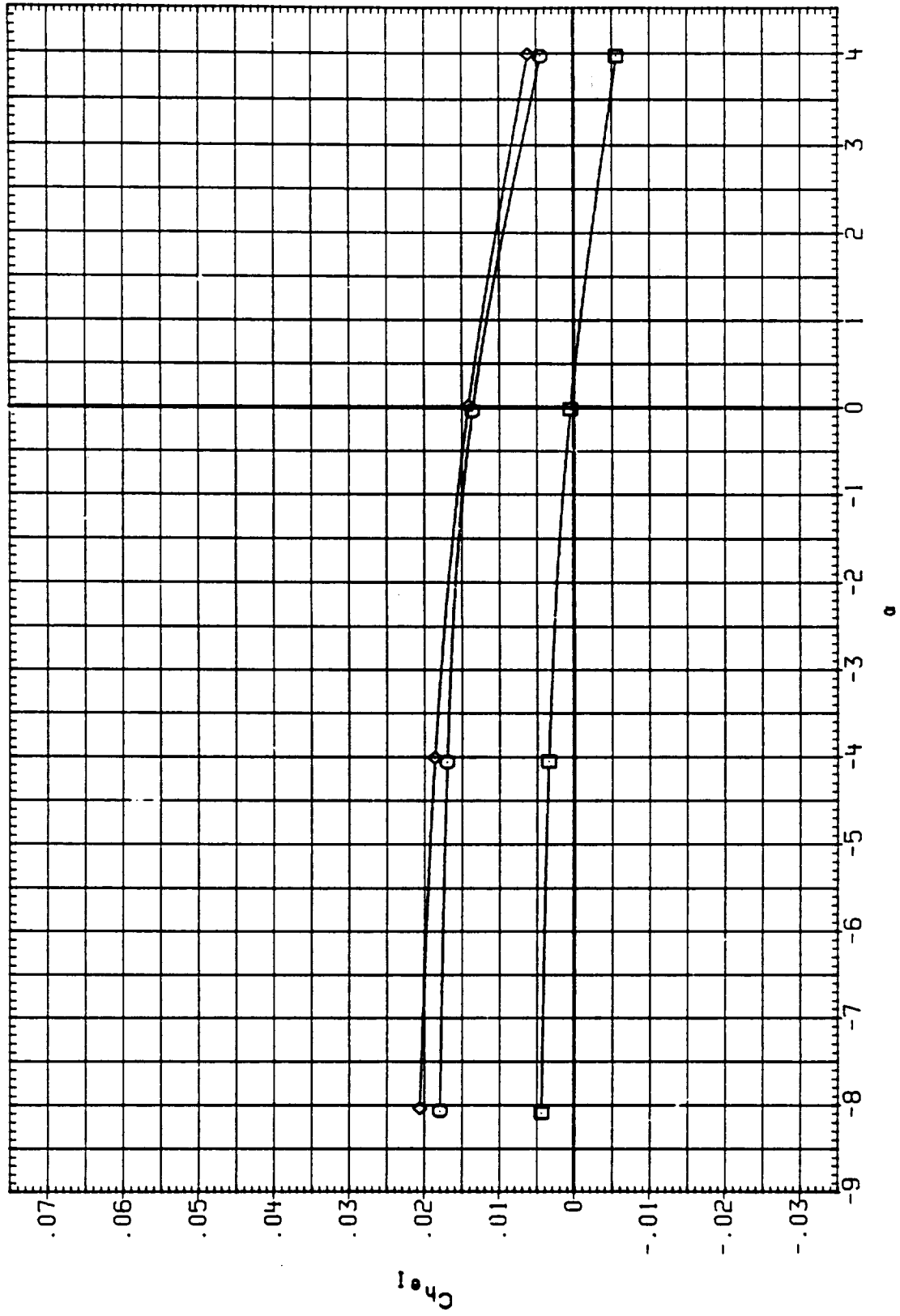


FIG. 5 EFFECT OF IEA BOX POSITION WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0054	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.300	TOP	10.000	5.000
SC0089	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.300	BOTTOM	10.000	5.000
SC00C7	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.300	T + B	10.000	5.000

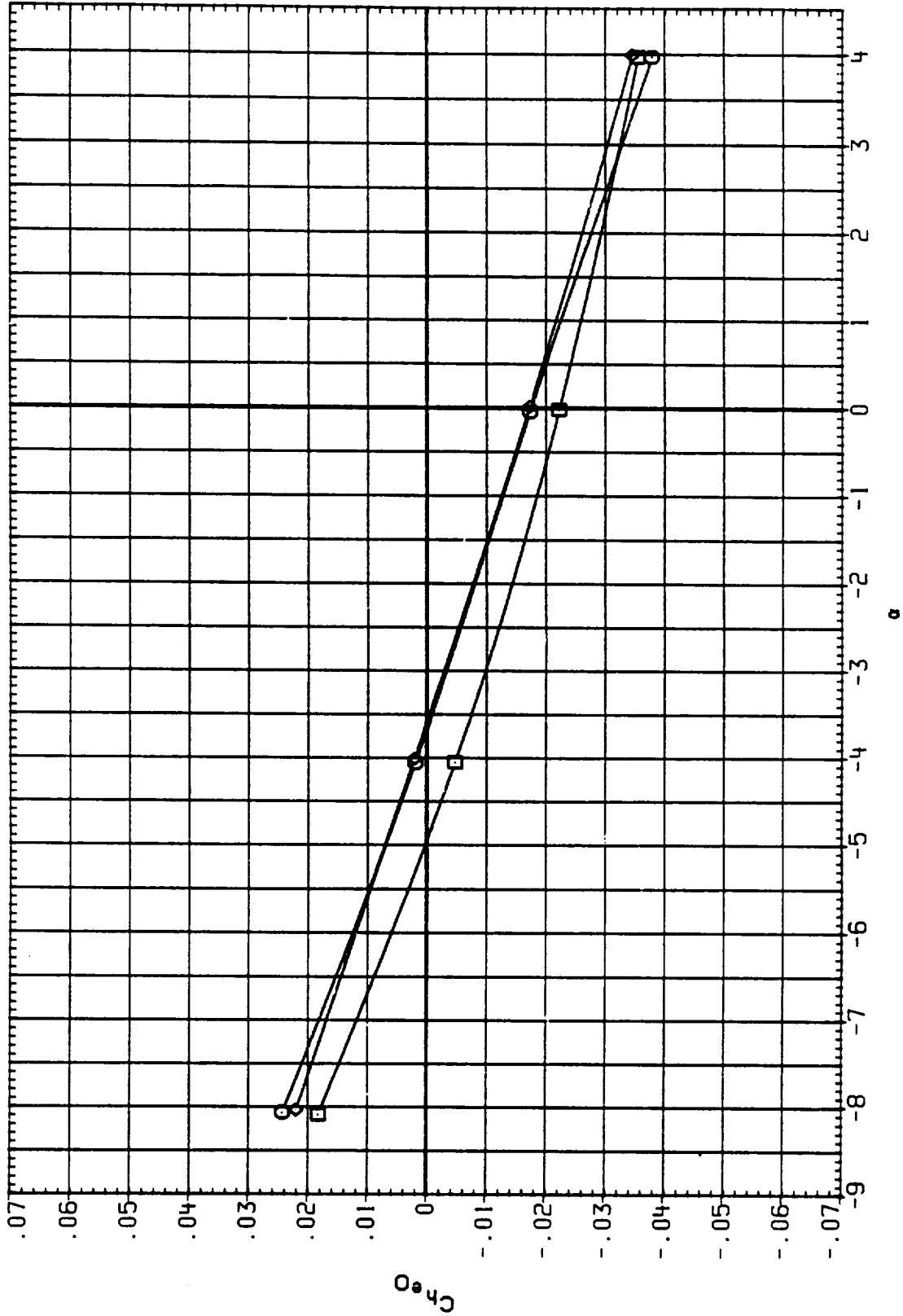


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0054	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.300	TOP	10.000	5.000
SC0089	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.300	BOTTOM	10.000	5.000
SC00C7	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.300	T + B	10.000	5.000

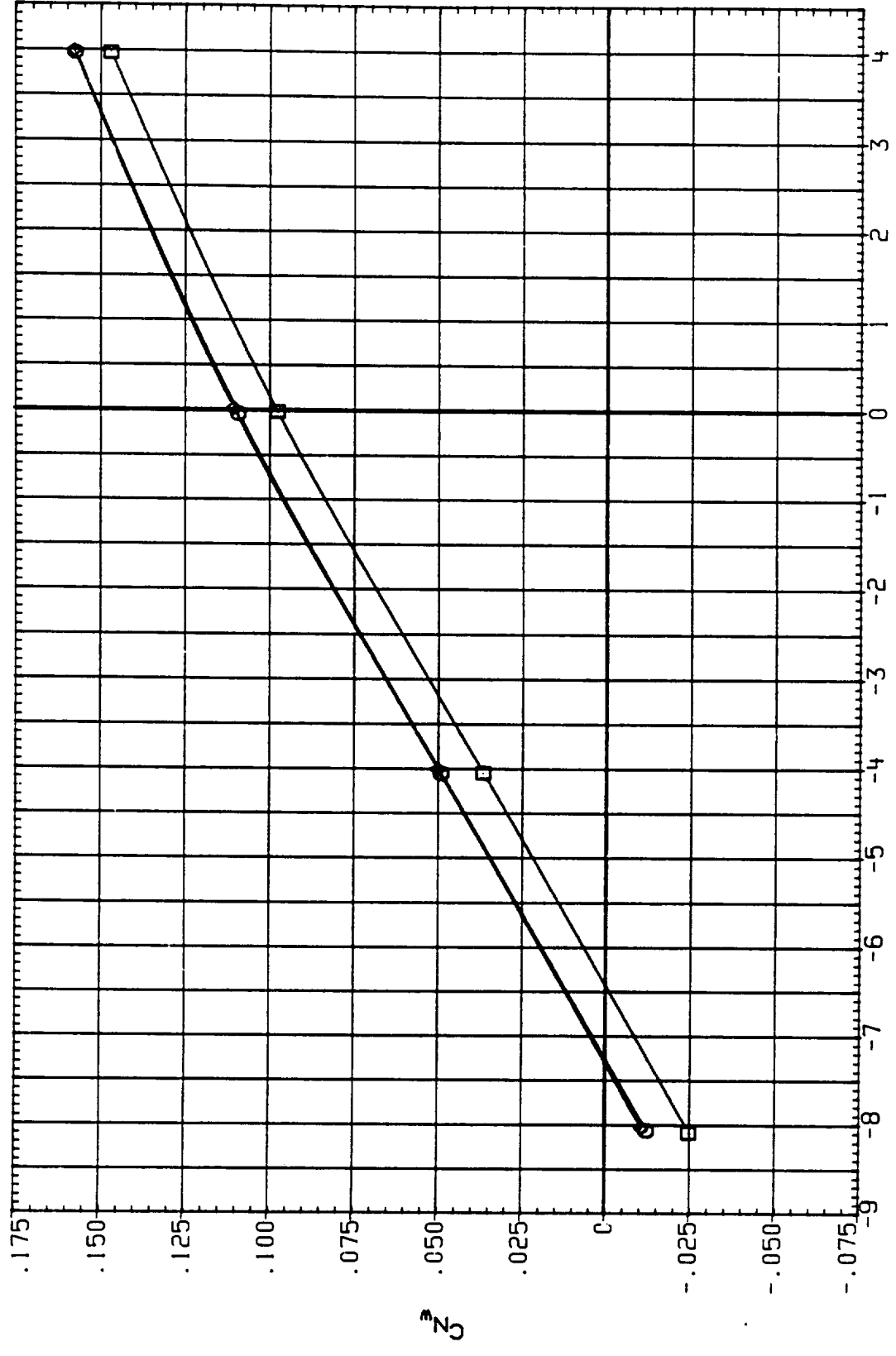


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL
 SC0054 Q
 SC0089 □
 SC00C7 ◇

CONFIGURATION
 1A613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3
 1A613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3
 1A613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3

MACH
 1.300
 1.300
 1.300

IEA BOX
 TOP
 BOTTOM: 7 + 8

IB-ELV 10.000
 10.000
 10.000

OB-ELV 5.000
 5.000
 5.000

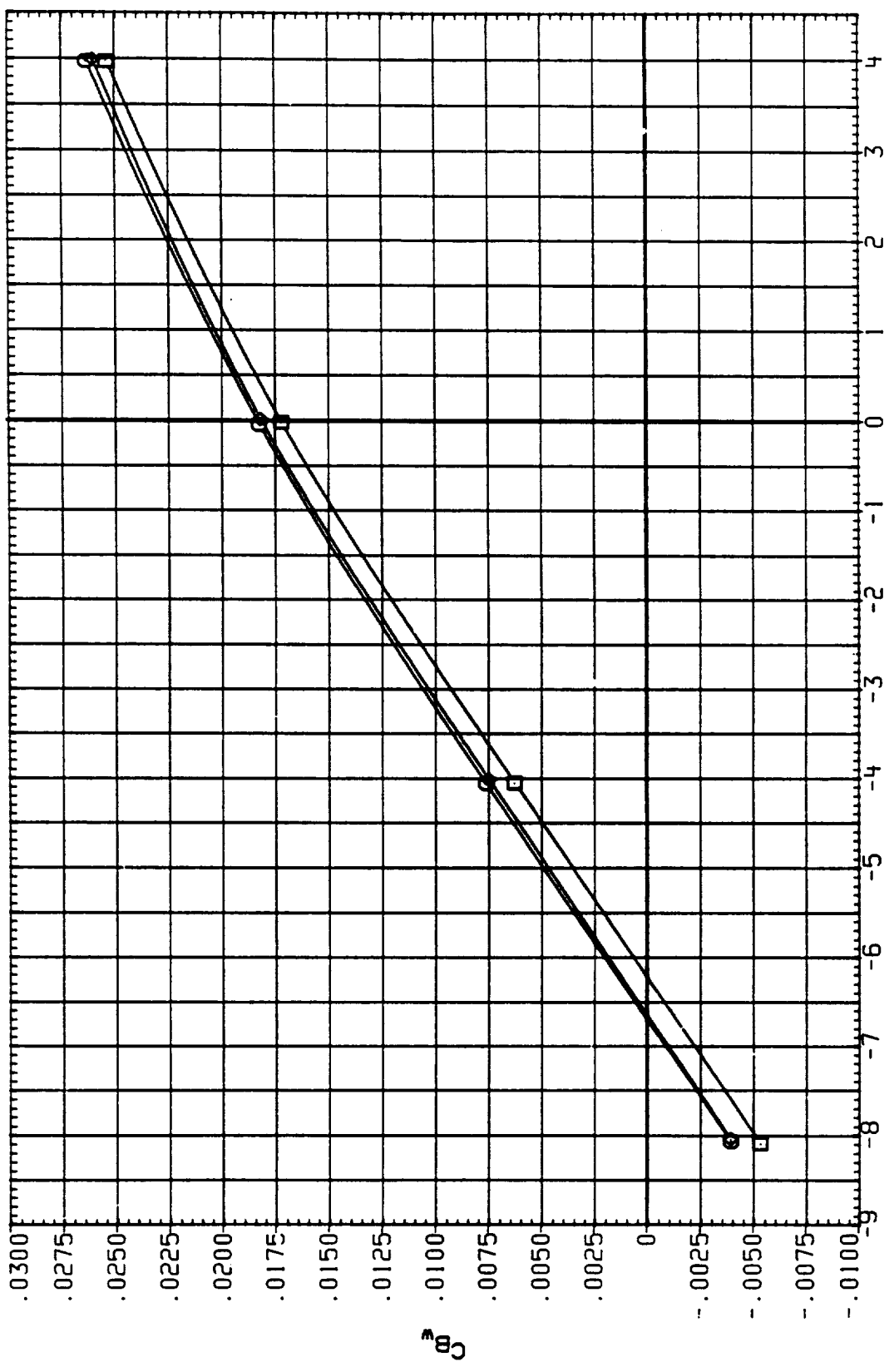


FIG. 5 EFFECT OF IEA BOX POSITION
 WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0054	I A613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3	1.300	TOP	10.000	5.000
SC0089	I A613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3	1.300	BOTTOM	10.000	5.000
SC00C7	I A613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3	1.300	T + B	10.000	5.000

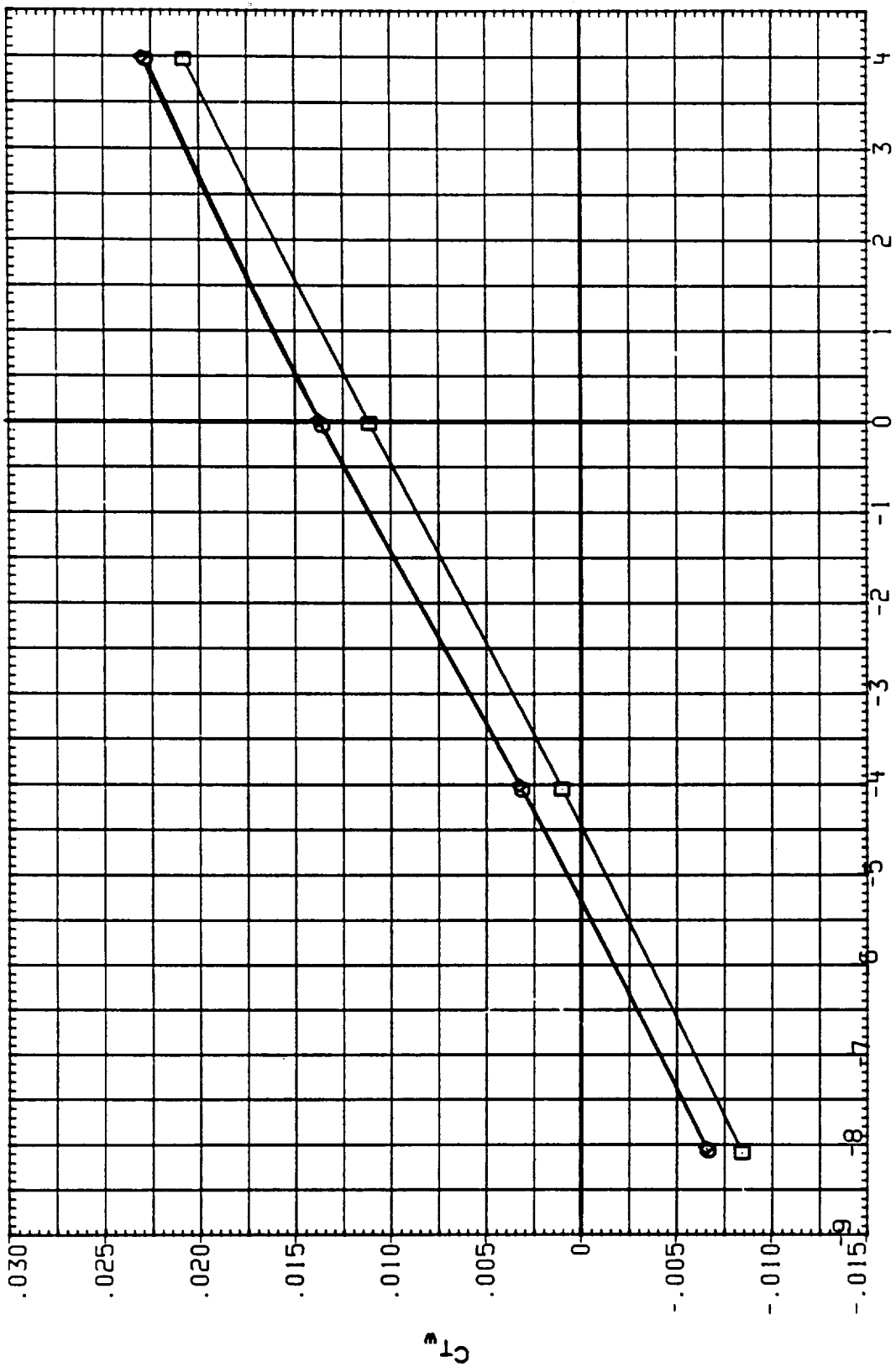


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL
 SC0055 ○
 SC0090 □
 SC00C8 ◇

CONFIGURATION
 I A613A1AEDC 16TF -829) B/L OT + ASRM+PLUMES S1.3
 I A613A1AEDC 16TF -829) B/L OT + ASRM+PLUMES S1.3
 I A613A1AEDC 16TF -829) B/L OT + ASRM+PLUMES S1.3

MA, n READING READING READING
 1.350 TOP 10.000 5.000
 1.350 BOTTOM 10.000 5.000
 1.350 T + B 10.000 5.000

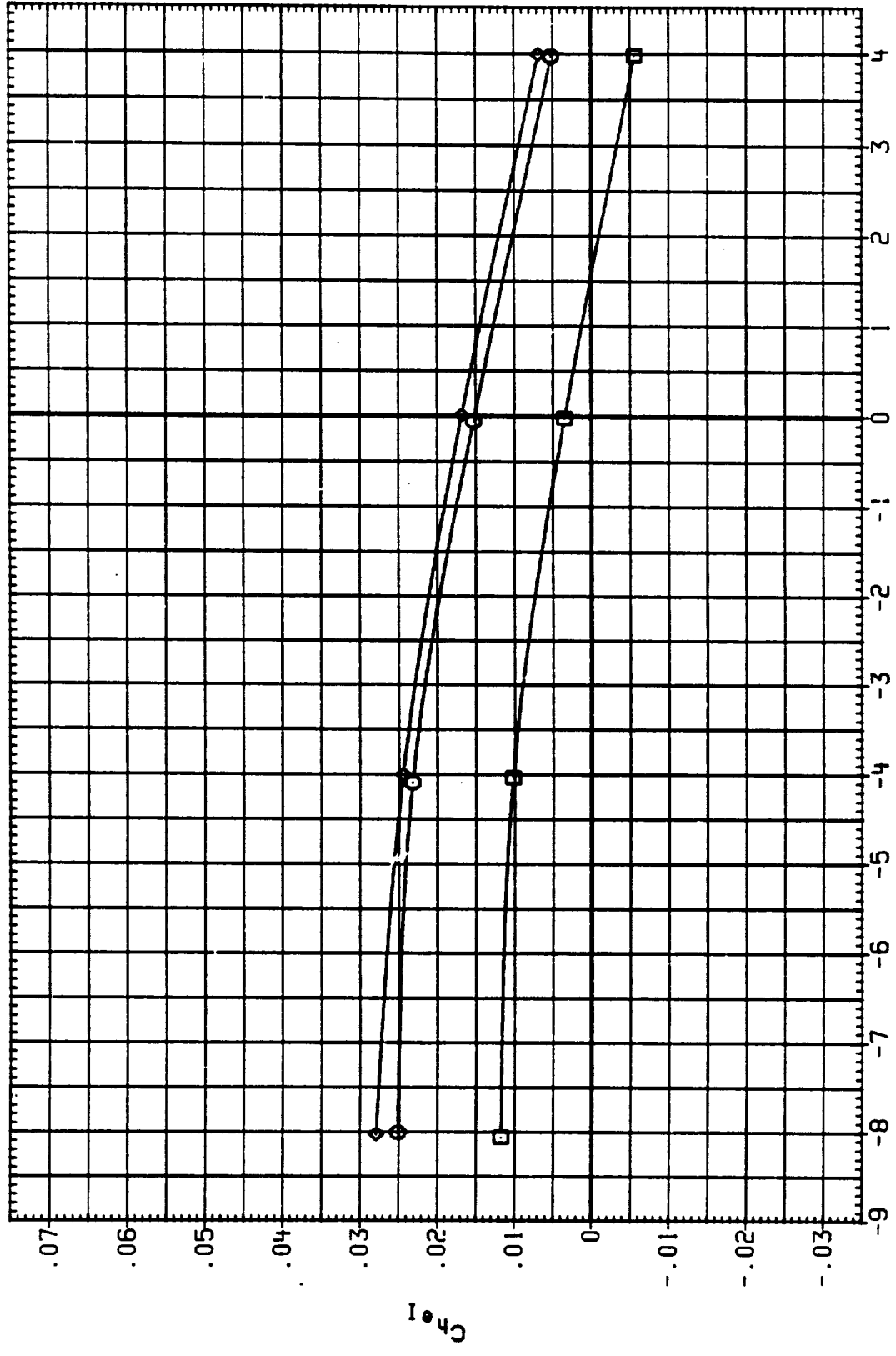


FIG. 5 EFFECT OF IEA BOX POSITION
 WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION

SC0055	IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	WIND	1.350	LEVEL	TOP	STEP	10.000	SCALE	5.000
SC0090	IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	WIND	1.350	LEVEL	BOTTOM	STEP	10.000	SCALE	5.000
SC00CB	IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	WIND	1.350	LEVEL	T + B	STEP	10.000	SCALE	5.000

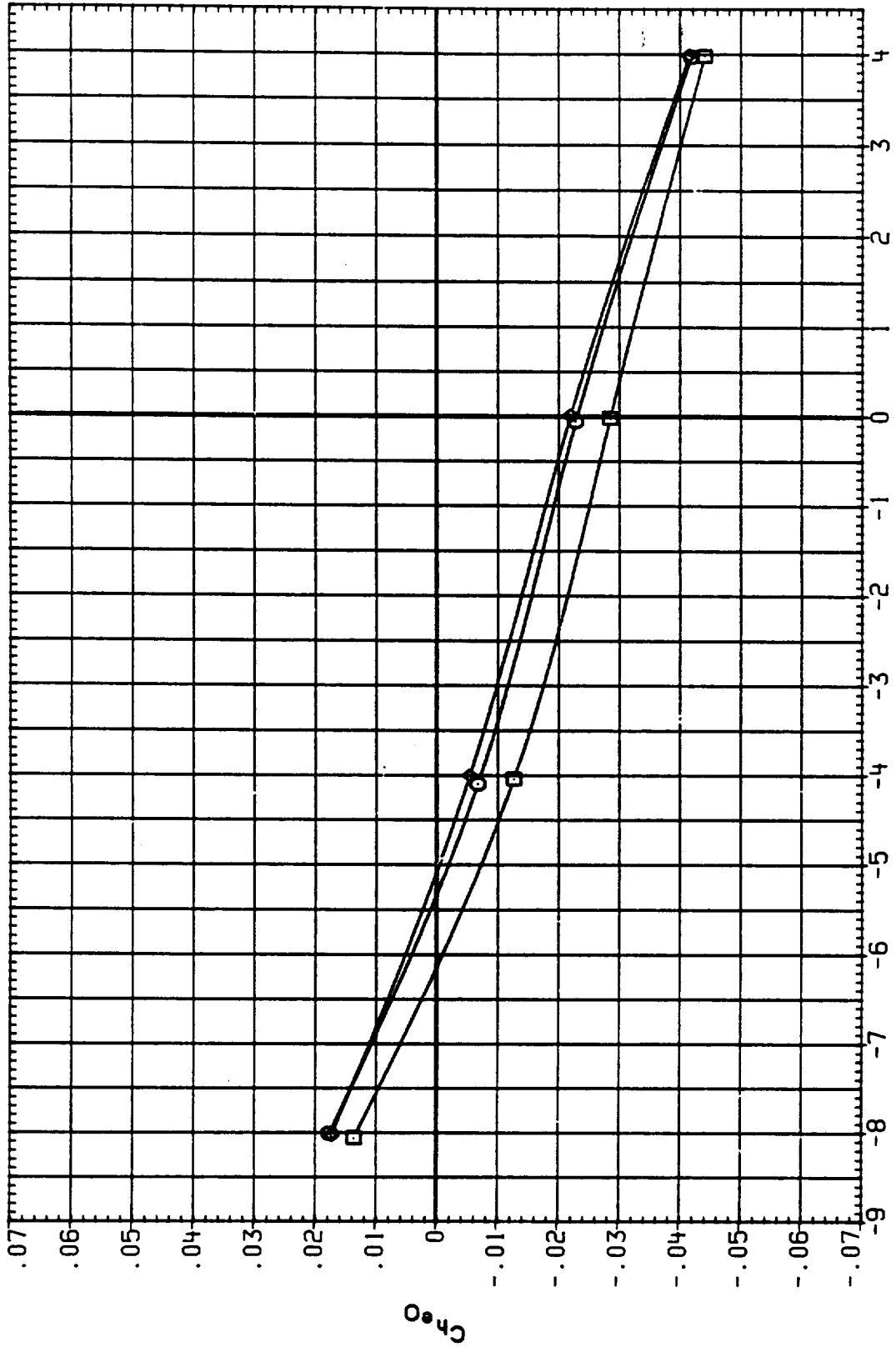


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

C-4

ORIGINAL PAGE IS
OF POOR QUALITY

DATA SET SYMBOL

SC0055
SC0090
SC00C8

□
◇

CON. COORDINATES

IA613A(AEDC 161F-829) B/L OT * ASRM+PLUMES S1.3
IA613A(AEDC 161F-829) B/L OT * ASRM+PLUMES S1.3
IA613A(AEDC 161F-829) B/L OT * ASRM+PLUMES S1.3

WIND
1.350
1.350
1.350

HEIGHT
TOP
BOTTOM
T + B

ASPECT
10.000
10.000
10.000

SCALE
5.000
5.000
5.000

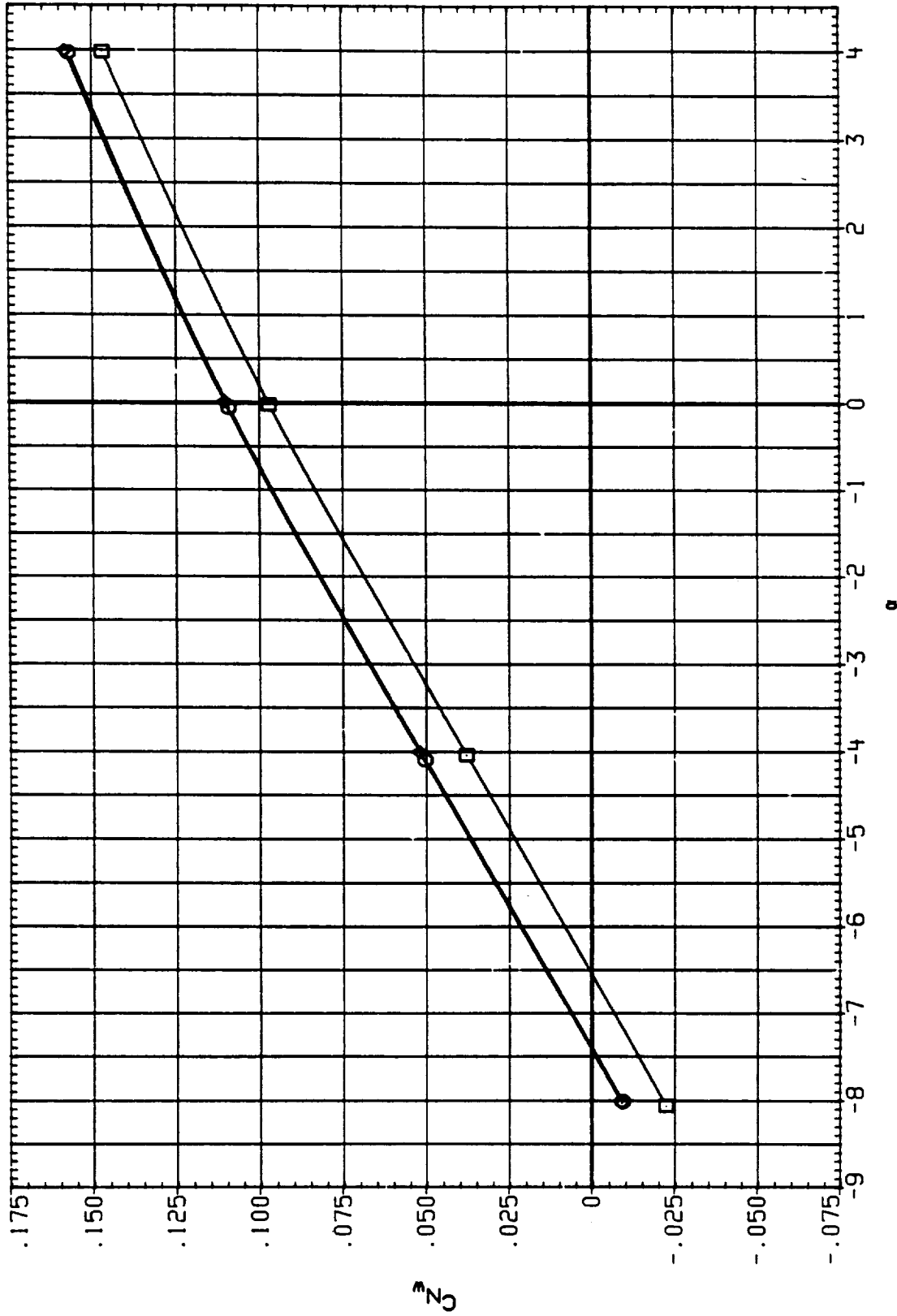


FIG. 5 EFFECT OF IEA BOX POSITION

WING LOADS

(A) BETA = .00

ORIGINAL FILE IS
IN BEST QUALITY

DATA SET SYMBOL CASE IDENTIFICATION CASE MEMBER MEMBER MEMBER

SC0055 O IAB13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3 1.350 TOP 10.000 5.000

SC0090 □ IAB13A1AEDC 161F-829) B/L O: + ASRM+PLUMES S1.3 1.350 BOTTOM 10.000 5.000

SC00C8 ◇ IAB13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3 1.350 T + B 10.000 5.000

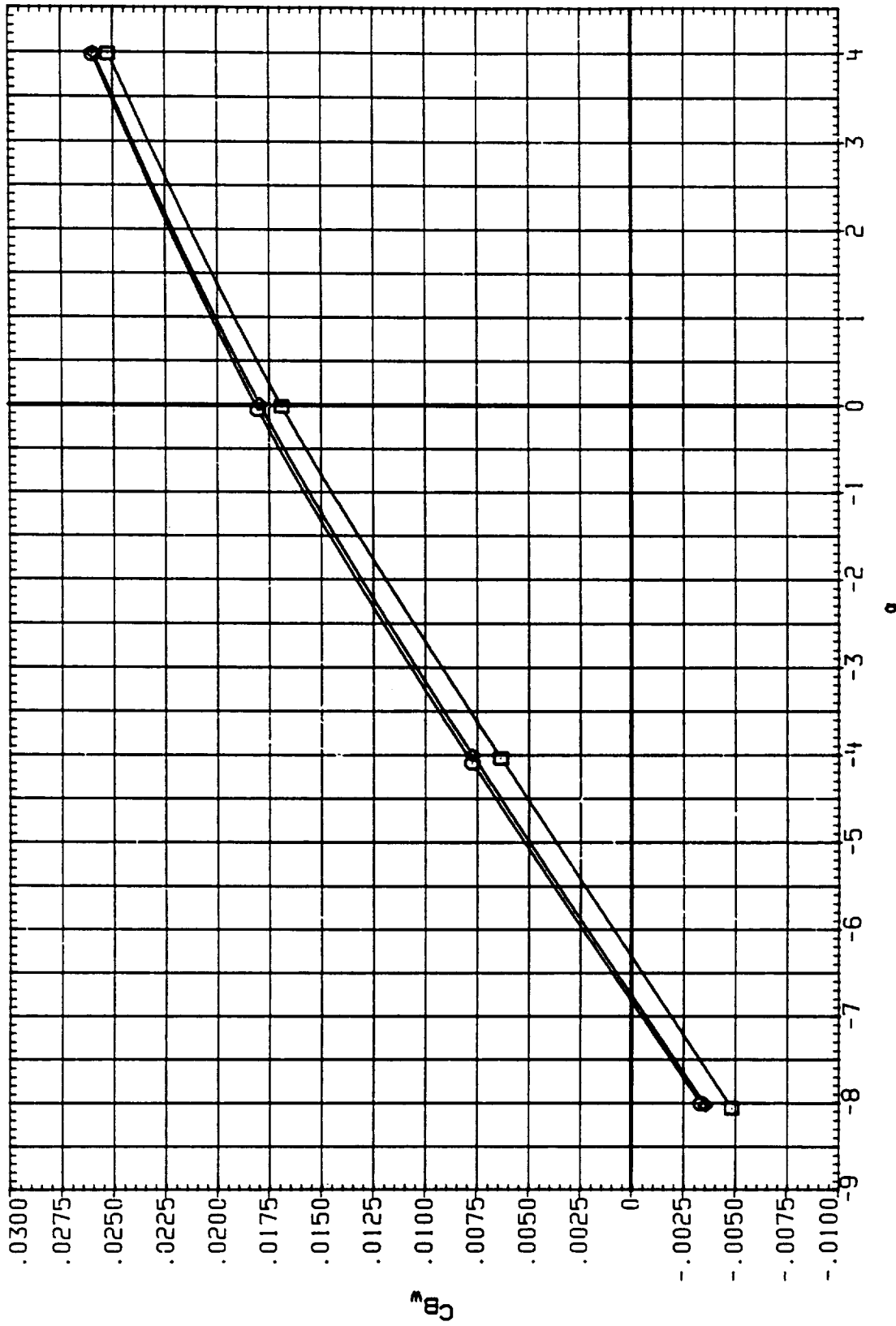


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

ORIGINAL DRAWING IS
OF POOR QUALITY

DATA SET SYMBOL

SC0055
SC0090
SC0008

CONFIGURATION

IA613A/AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3
IA613A/AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3
IA613A/AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3

MACH

1.350
1.350
1.350

IEASIDE

TOP
BOTTOM
T + B

LEVEL

5.000
5.000
5.000

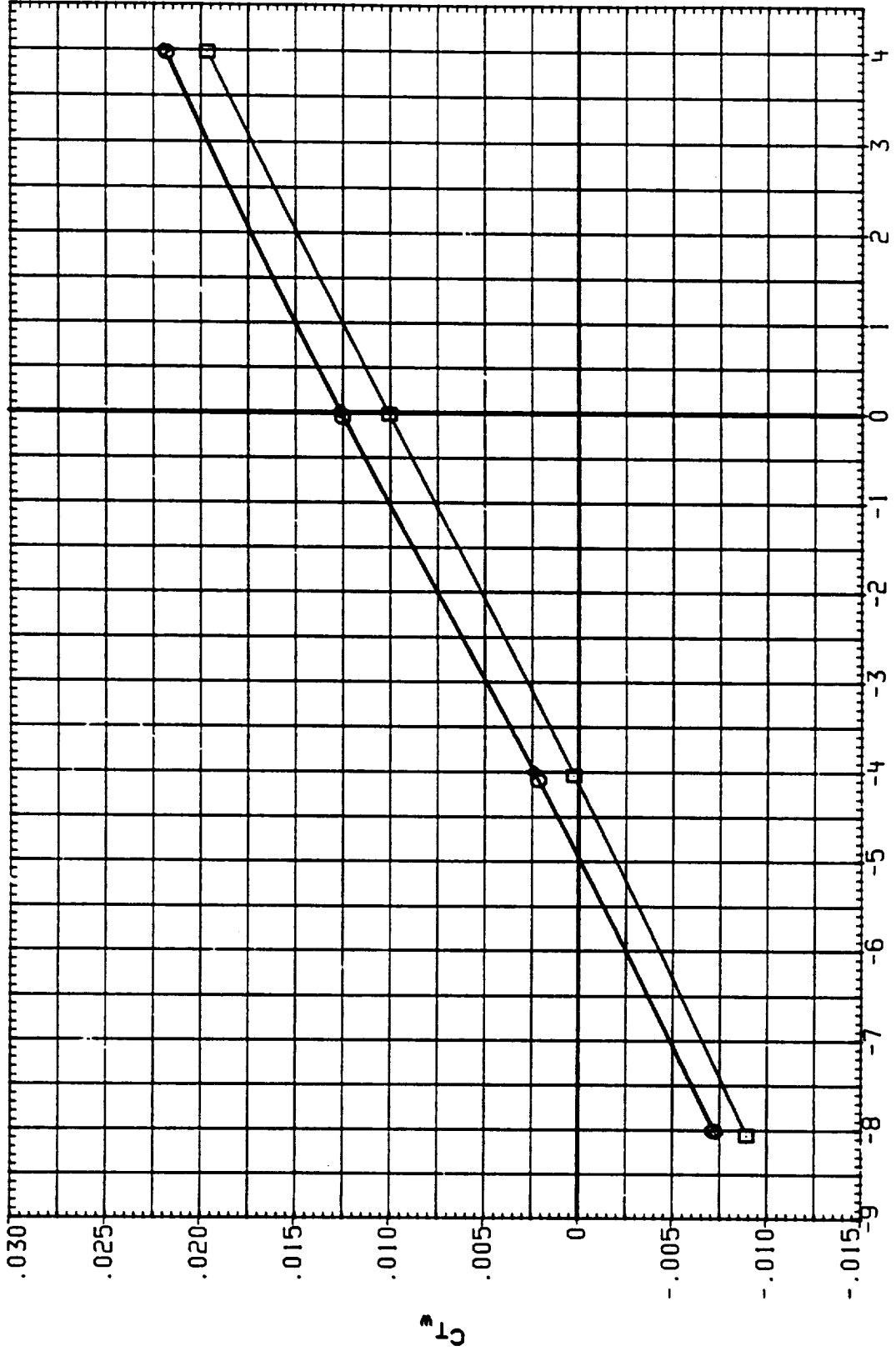


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0056	IAE13A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	TOP	10.000	5.000
SC0091	IAE13A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	BOTTOM	10.000	5.000
SC00C9	IAE13A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	T + B	10.000	5.000

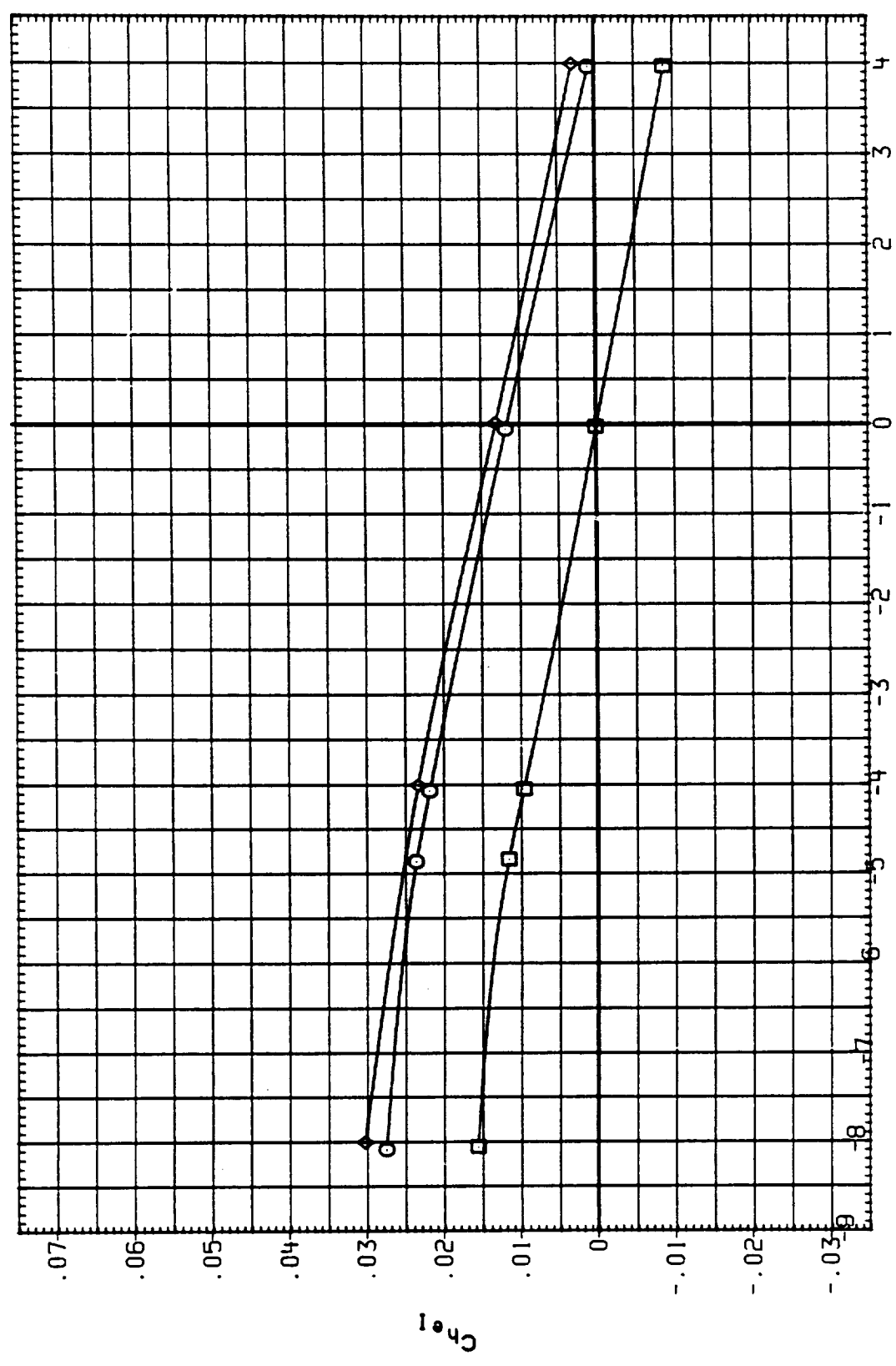


FIG. 5 EFFECT OF IEA BOX POSITION WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	SCALE	HEIGHT	WIND SPEED
SC0056	1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	TOP	5.000
SC0091	1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	BOTTOM	5.000
SC00C9	1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	1 + 8	5.000

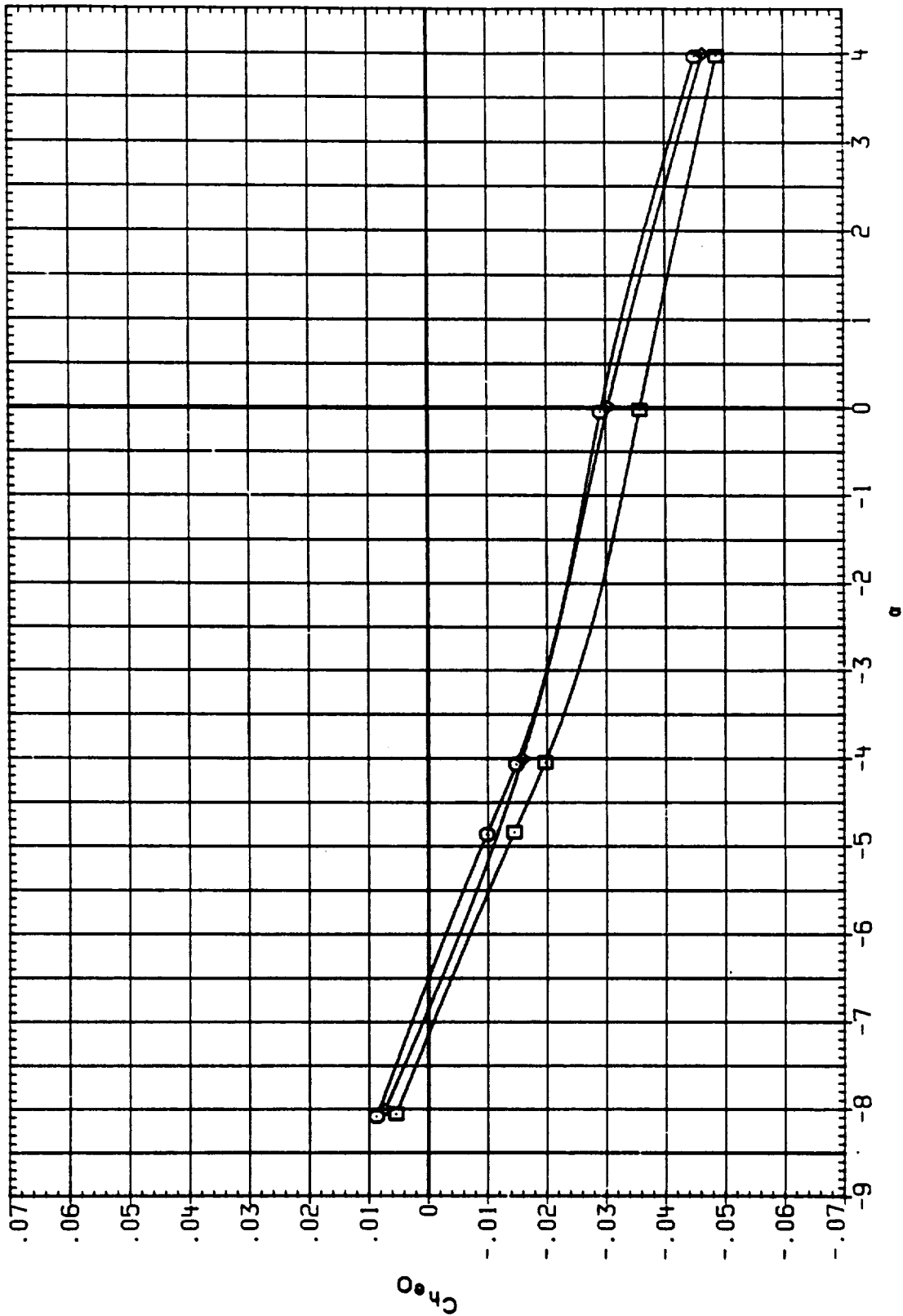


FIG. 5 EFFECT OF IEA BOX POSITION ON WING LOADS

(A) BETA = .00

ORIGINAL PAGE IS OF POOR QUALITY

DATA SET SYMBOL
 SC0056
 SC0091
 SC00C9

CONFIGURATION
 B/L OT + ASRM+PLUMES S1.3
 B/L OT + ASRM+PLUMES S1.3
 B/L OT + ASRM+PLUMES S1.3

MACH
 1.400
 1.400
 1.400

IEA BOX
 TOP
 BOTTOM
 T + B

IB-ELY
 10.000
 10.000
 10.000

OB-ELY
 5.000
 5.000
 5.000

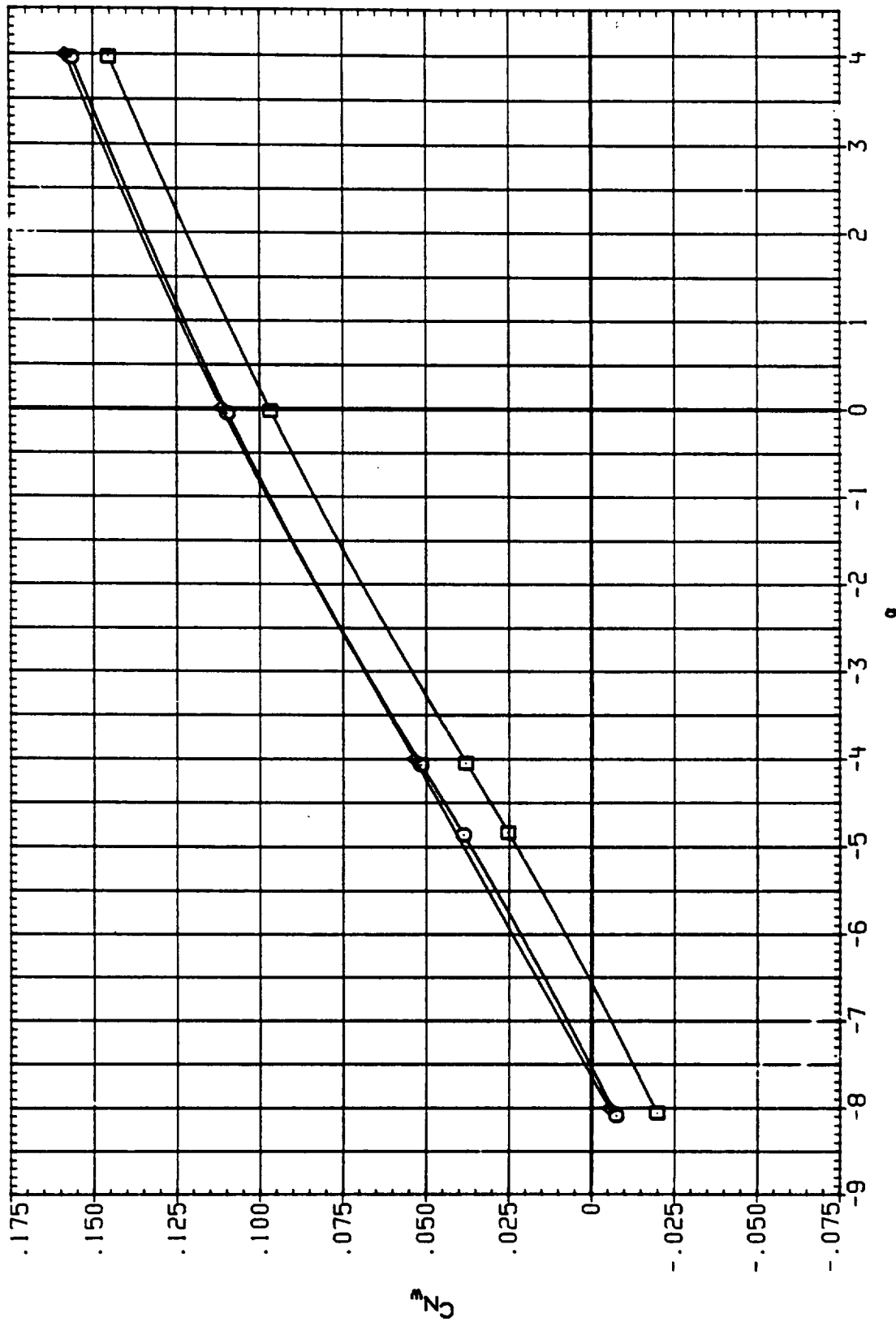


FIG. 5 EFFECT OF IEA BOX POSITION
 WING LOADS

(A) BETA = .00

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 OF POOR QUALITY

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB ELV	IS-ELV
SC0056	IAG13A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3	1.400	TOP	10.000	5.000
SC0091	IAG13A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3	1.400	BOTTOM	10.000	5.000
SC00C9	IAG13A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3	1.400	T + B	10.000	5.000

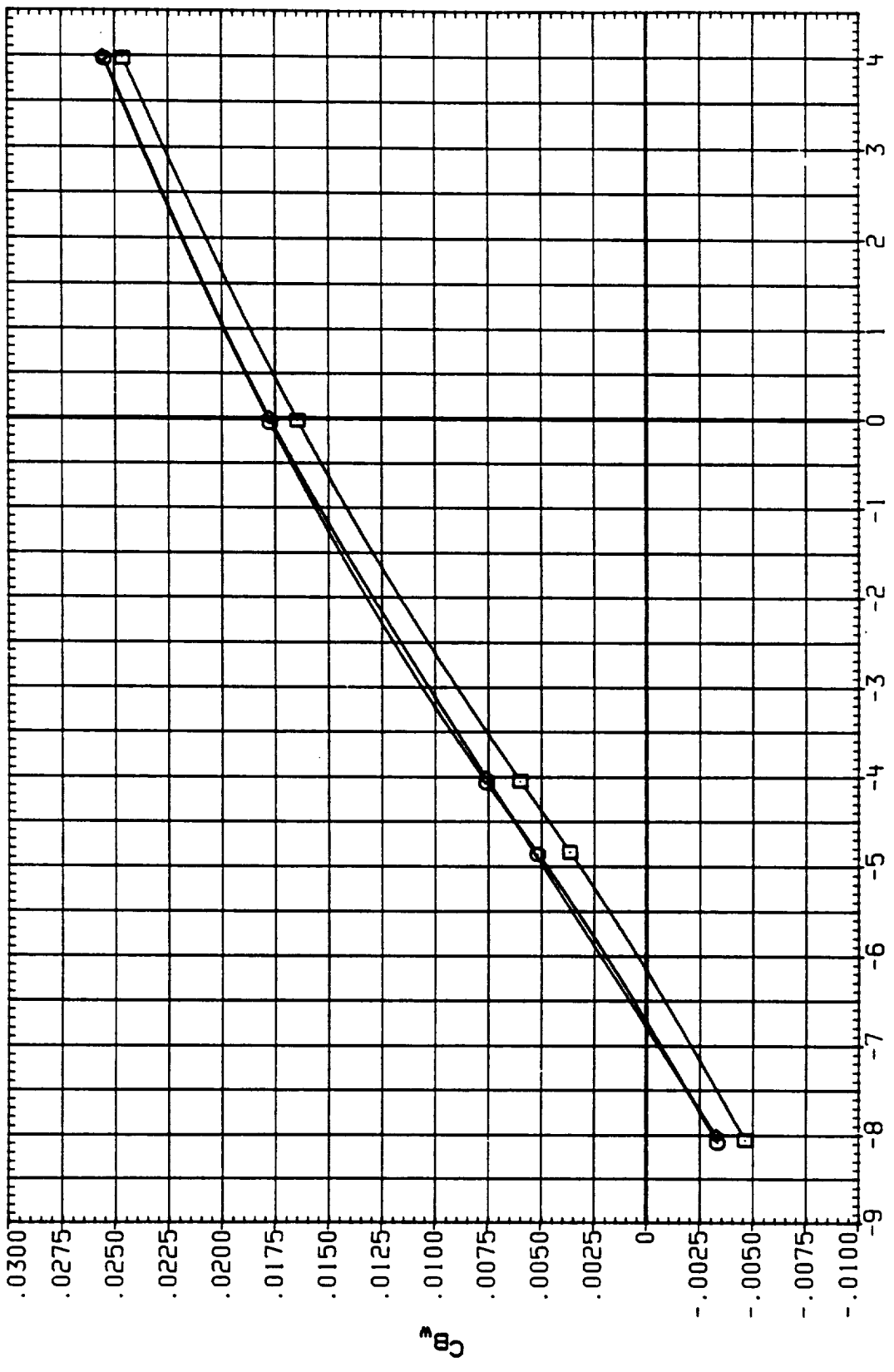


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0056	○	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	TOP	10.000	5.000
SC0091	□	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	BOTTOM	10.000	5.000
SC00C9	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	1 + B	10.000	5.000

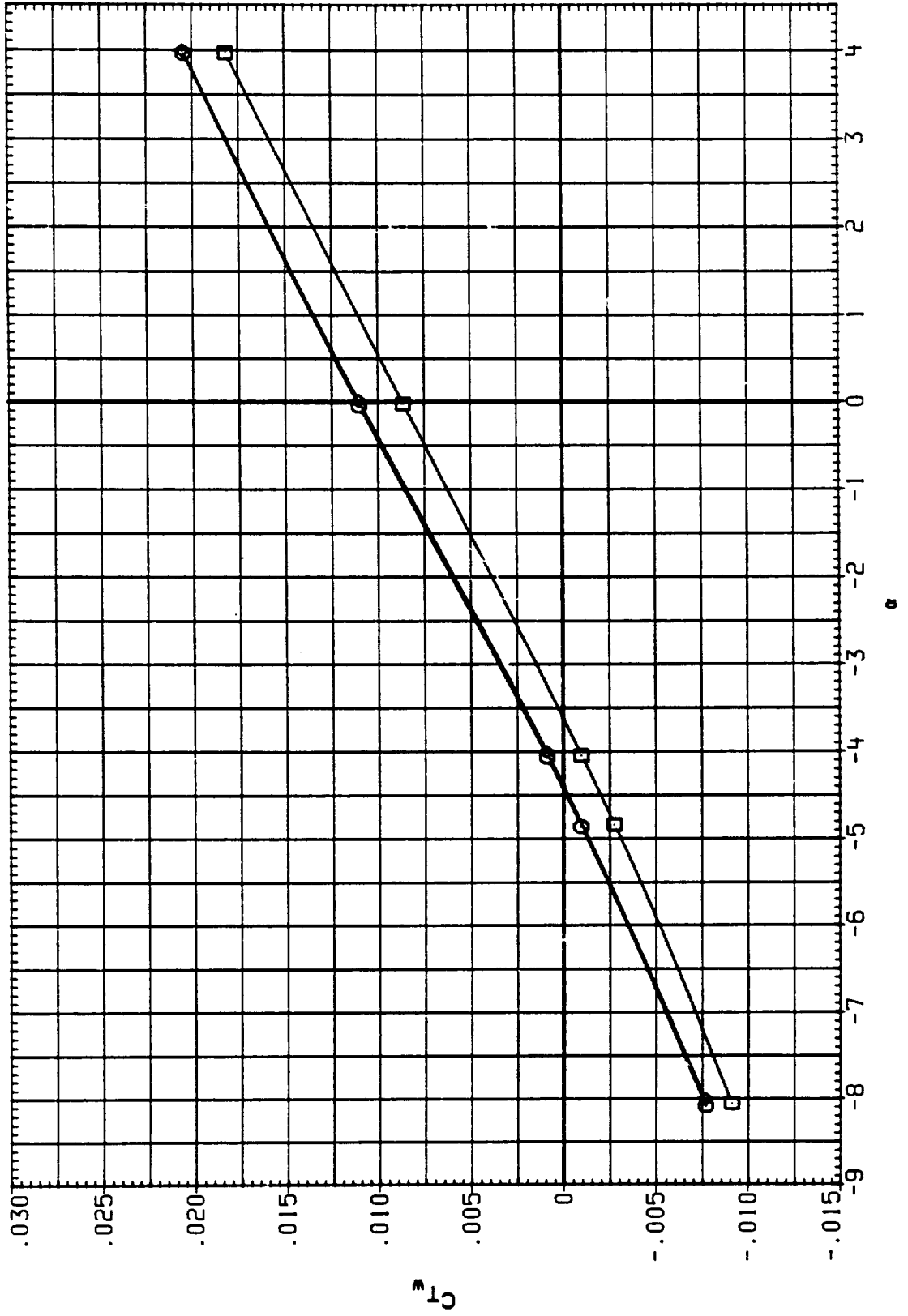


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH IEABOX IB-ELV OB-ELV

SC0057 ○ IAB13A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3 1.550 TOP 10.000 5.000

SC0092 □ IAB13A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3 1.550 BOTTOM 10.000 5.000

SC0000 ◇ IAB13A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3 1.550 T + B 10.000 5.000

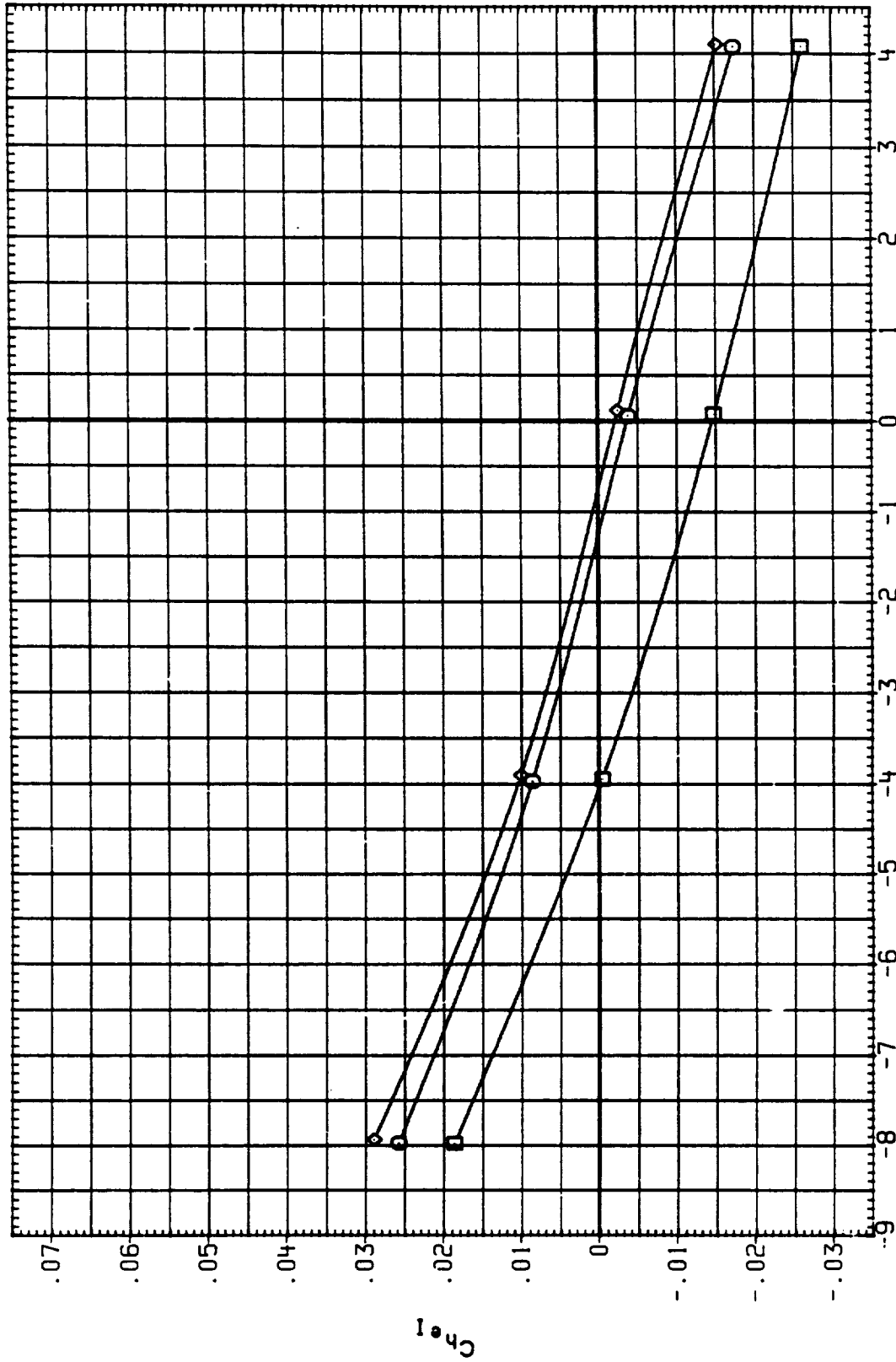


FIG. 5 EFFECT OF IEA BOX POSITION WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0057	○	IA613A(AEDC 161F-829) B/L 01 + ASRM+PLUMES S1.3	1.550	TOP	10.000	5.000
SC0052	□	IA613A(AEDC 161F-829) B/L 01 + ASRM+PLUMES S1.3	1.550	ROTOM	10.000	5.000
SC0000	◇	IA613A(AEDC 161F-829) B/L 01 + ASRM+PLUMES S1.3	1.550	Y + B	10.000	5.000

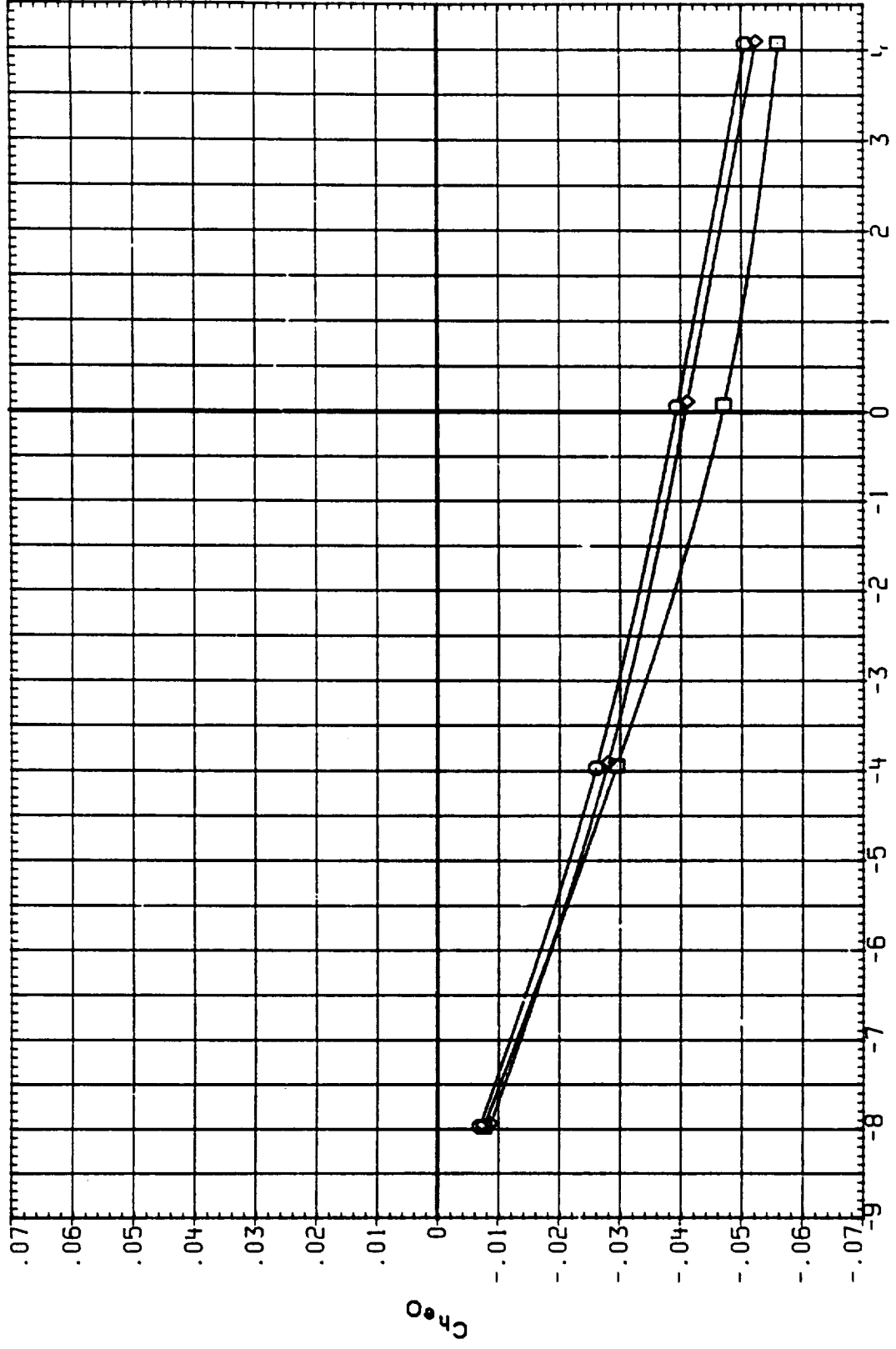


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH IEABOX IE-ELV CE-ELV
 SC0057 I A613A(AEDC 16TF-829) B/L OT * ASRM+PLUMES S1.3 1.550 TOP 10.000 5.000
 SC0092 I A613A(AEDC 16TF-829) B/L OT * ASRM+PLUMES S1.3 1.550 BOTTOM 10.000 5.000
 SC0000 I A613A(AEDC 16TF-829) B/L OT * ASRM+PLUMES S1.3 1.550 T * B 10.000 5.500

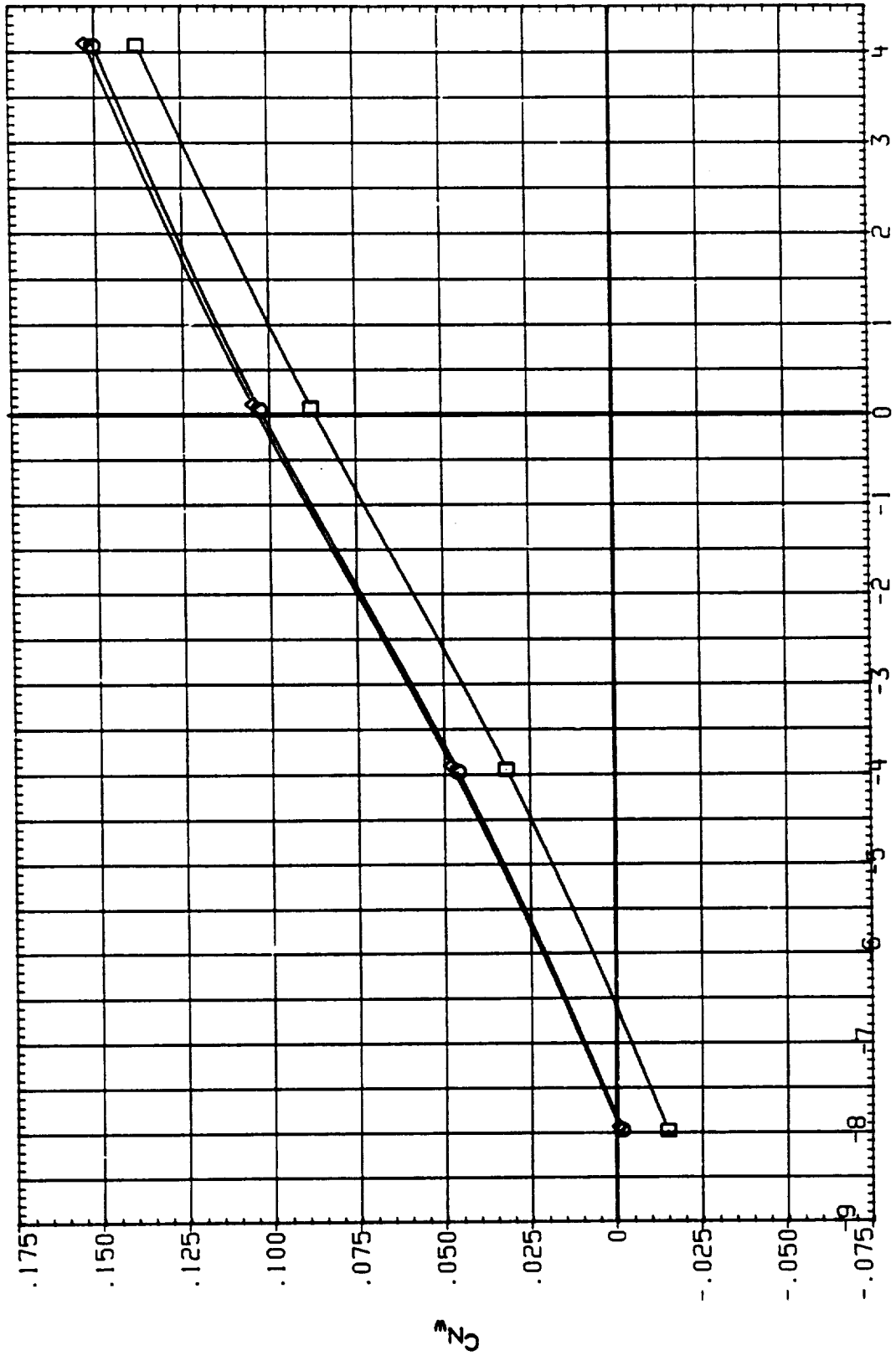


FIG. 5 EFFECT OF IEA BOX POSITION ON WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0057	IAB13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.550	TOP	10.000	5.000
SC0092	IAB13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.550	BOTTOM	10.000	5.000
SC0000	IAB13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.550	T + B	10.000	5.000

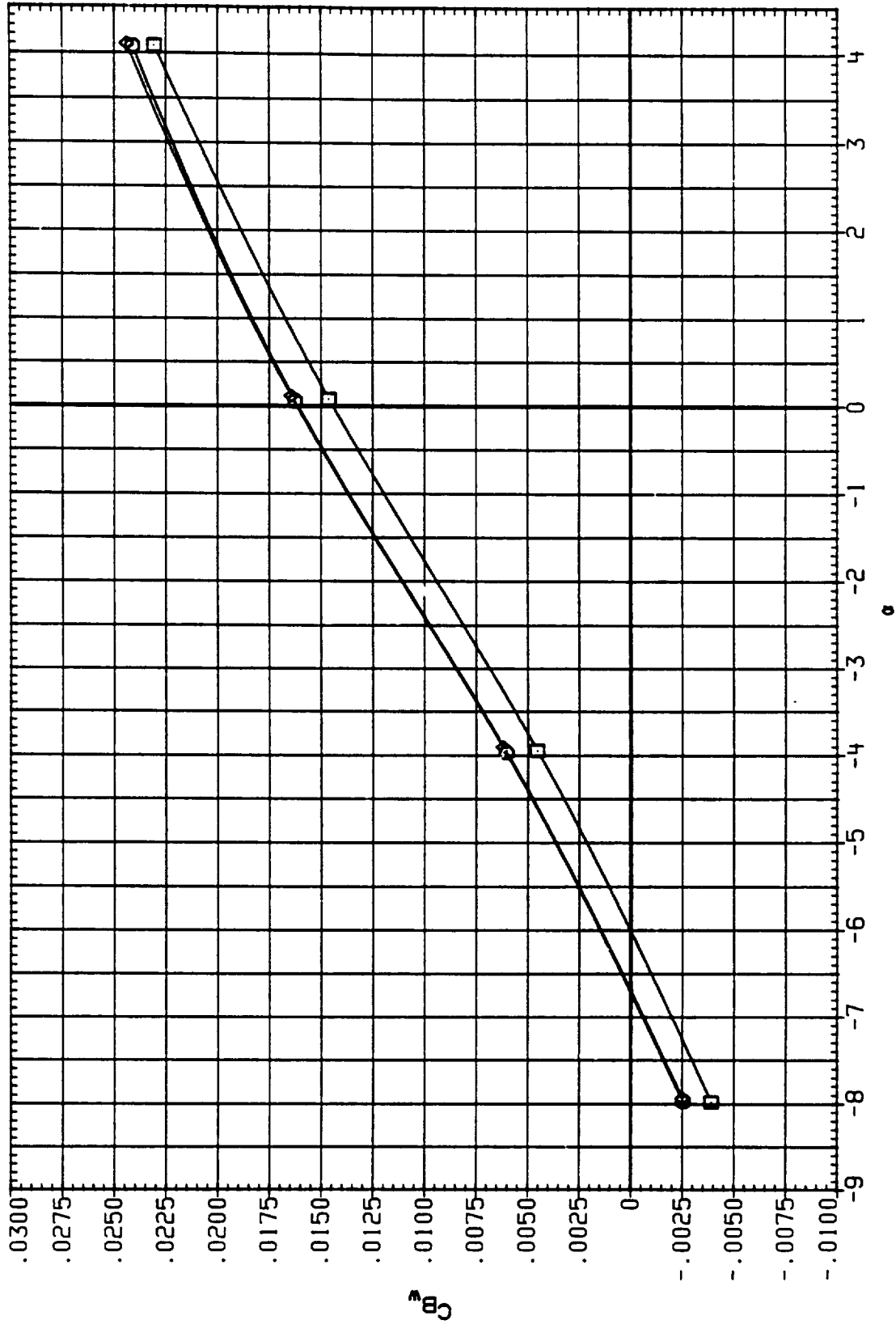


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0057
SC0092
SC0000

CONFIGURATION

IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3
IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3
IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3

MACH

1.550
1.550
1.550

IEABOX

TOP
T + B

IB-ELV

10.000
10.000

OB-ELV

5.000
5.000

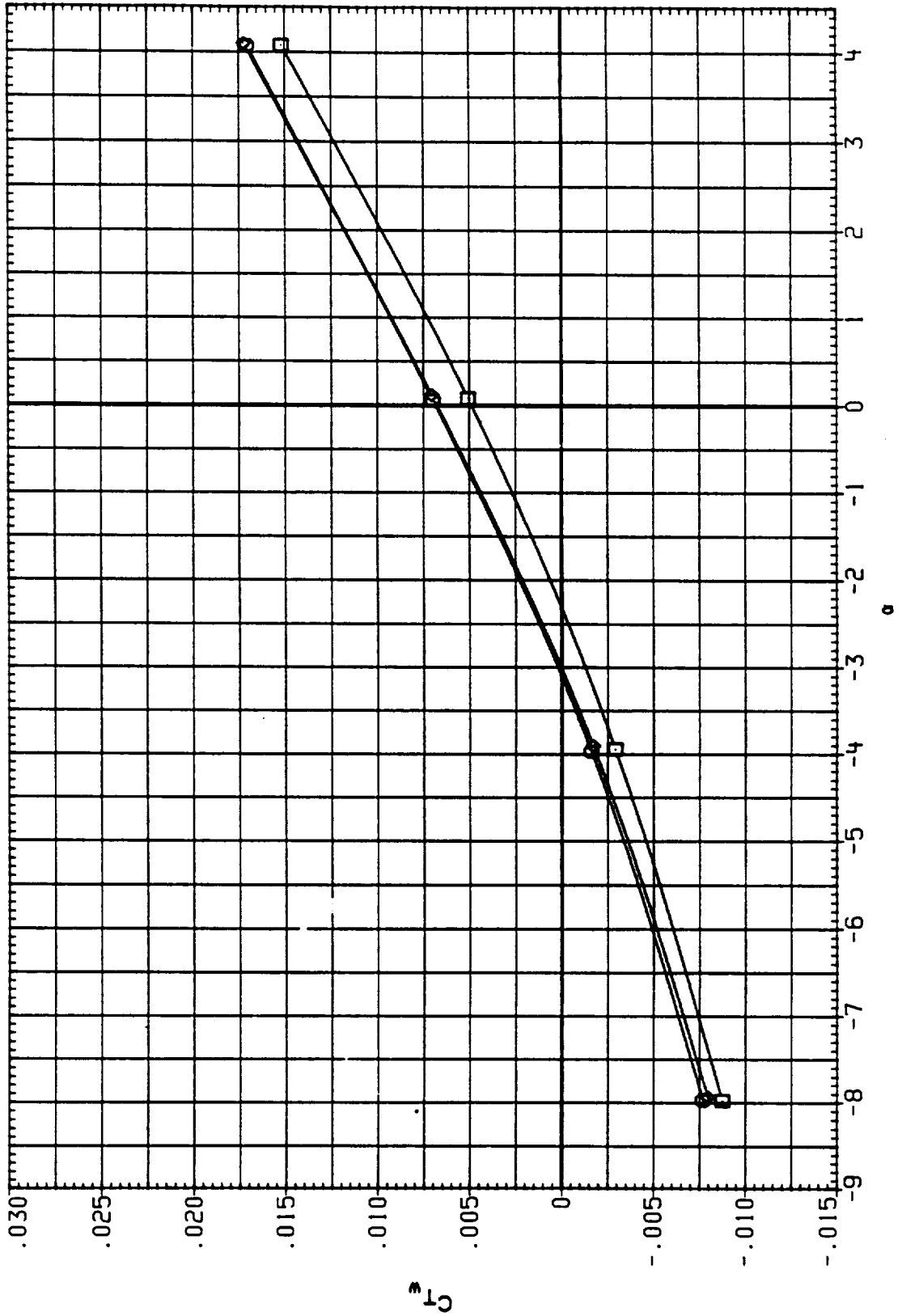


FIG. 5 EFFECT OF IEA BOX POSITION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0065	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.600	BOTTOM	10.000	9.000
RC0095	IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.600	BOTTOM	8.000	9.000
RC0080	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	.600	BOTTOM	10.000	9.000
RC0048	IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	.600	BOTTOM	8.000	9.000

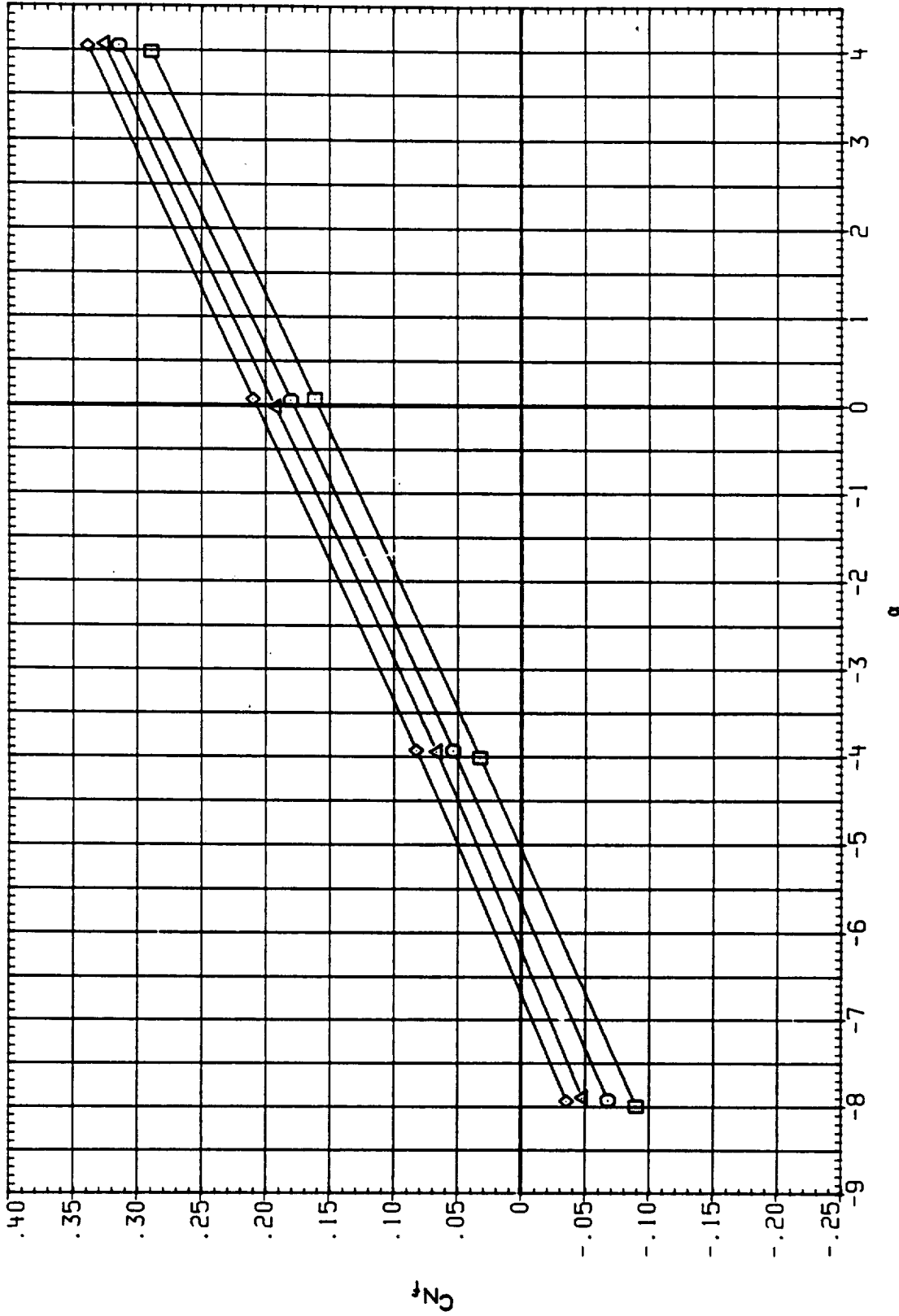


FIG. 6 EFFECT OF ELEVON SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LEBOX	IB-ELV	OB-ELV
RC0065	IAGI3AIAEDC 16TF-829) B/L OT + ASRH, PLUMES OFF	.600	BOTTOM	10.000	9.000
RC0095	IAGI3AIAEDC 16TF-829) B/L OT + ASRH, PLUMES OFF	.600	BOTTOM	8.000	9.000
RC0080	IAGI3AIAEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	.600	BOTTOM	10.000	9.000
RC00A8	IAGI3AIAEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2	.600	BOTTOM	8.000	9.000

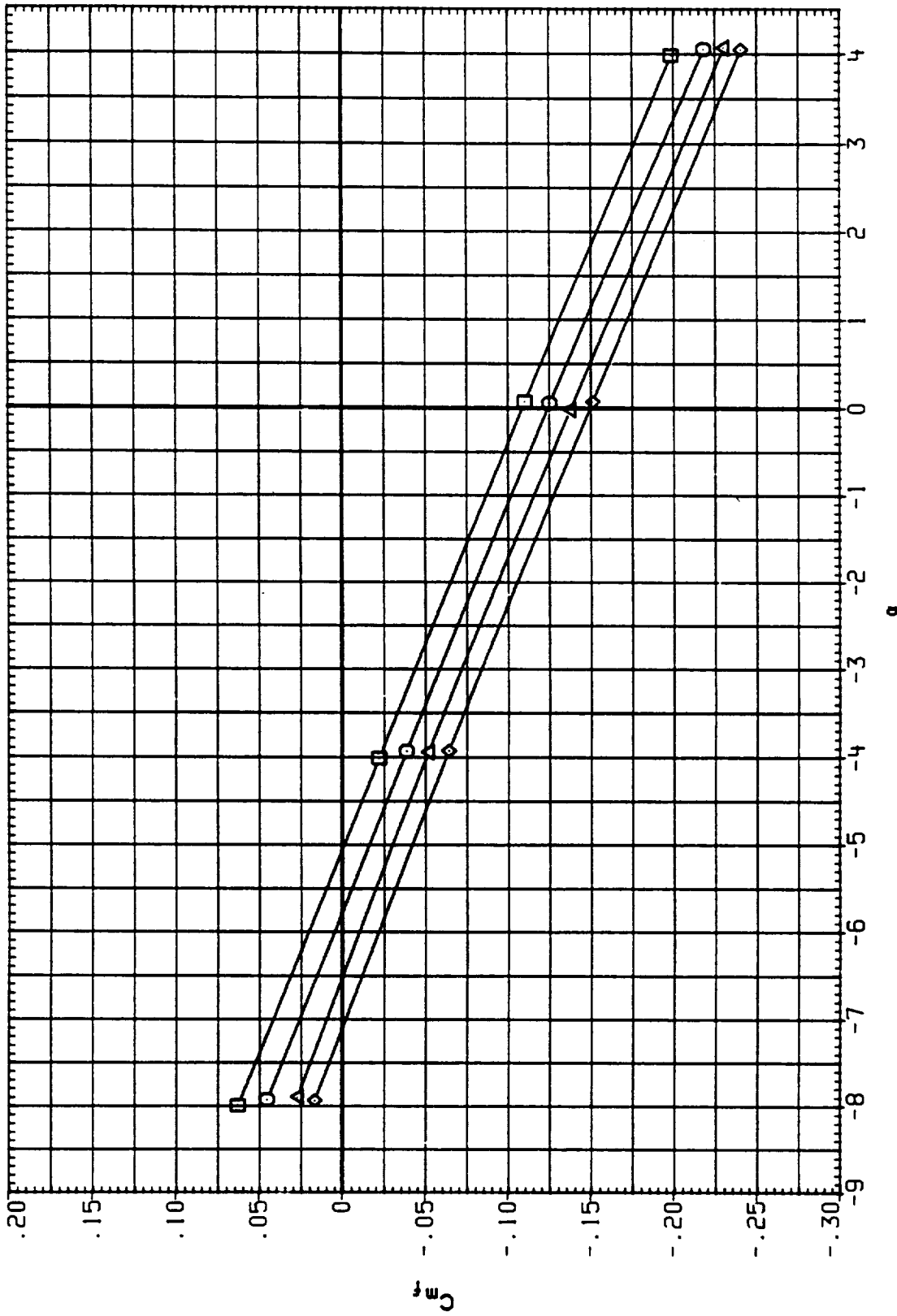


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0065	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.600	BOTTOM	10.000	9.000
RC0095	IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.600	BOTTOM	8.000	9.000
RC0080	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	.600	BOTTOM	10.000	9.000
RC00A8	IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	.600	BOTTOM	8.000	9.000

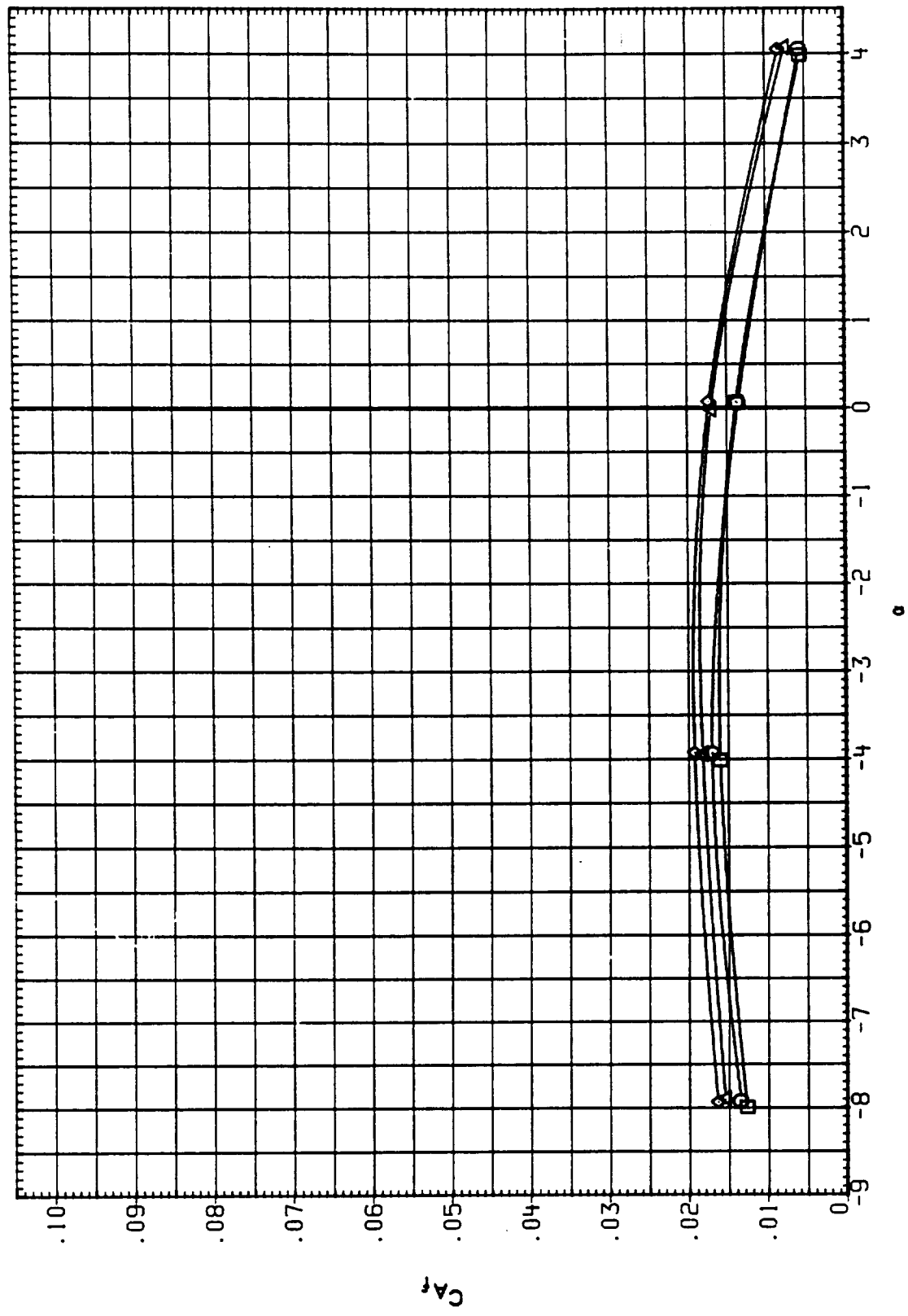


FIG. 6 EFFECT OF ELEVON SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL

CONFIGURATION

RC0066 IAS13A1AEDC 161F-829) B/L OT + ASRH, PLUMES OFF
 RC0096 IAS13A1AEDC 161F-829) B/L OT + ASRH, PLUMES OFF
 RC0081 IAS13A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2
 RC00A9 IAS13A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2

MACH .800
 IEABOX BOTTOM
 IB-ELV 10.000
 OB-ELV 9.000

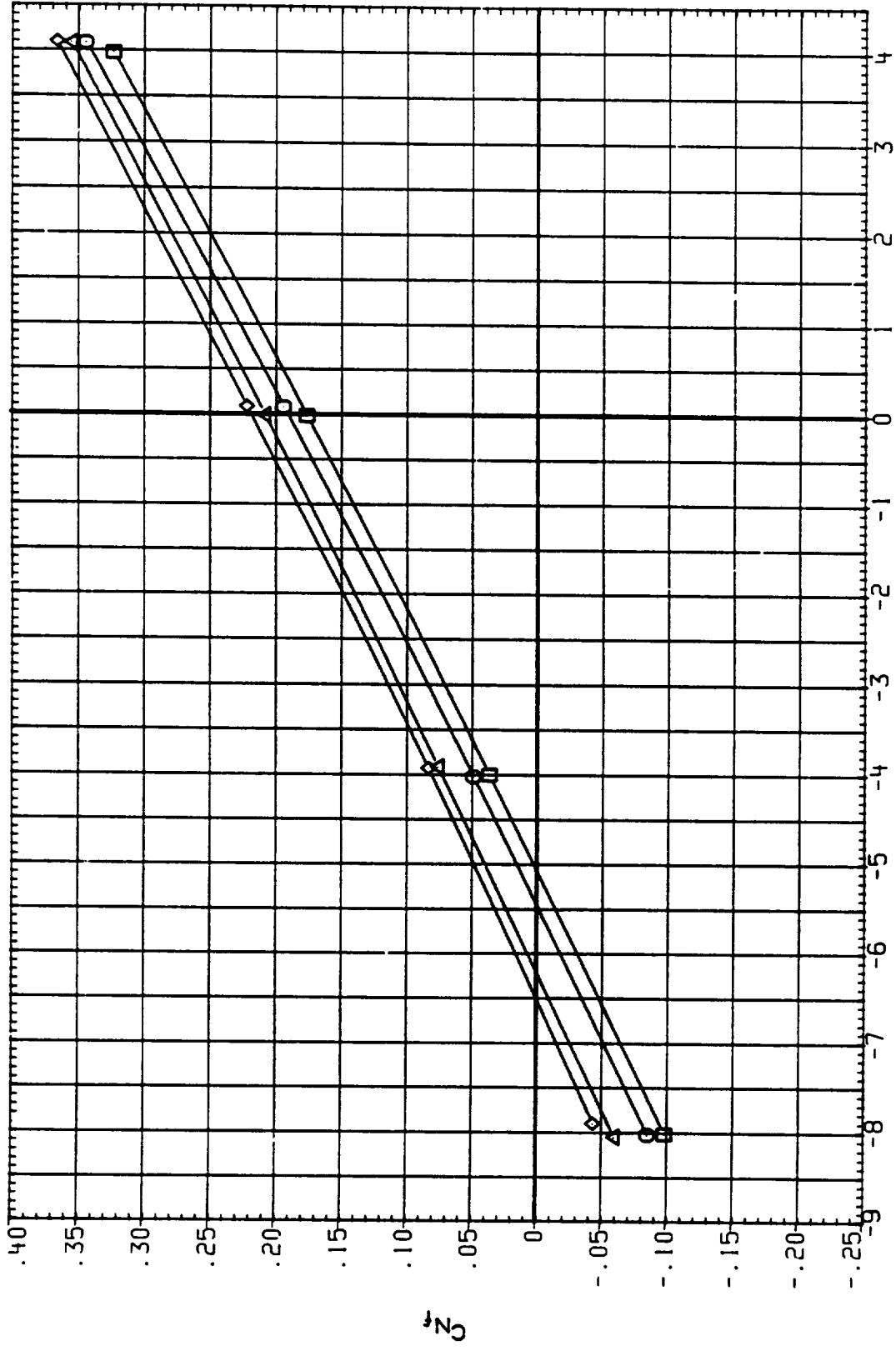
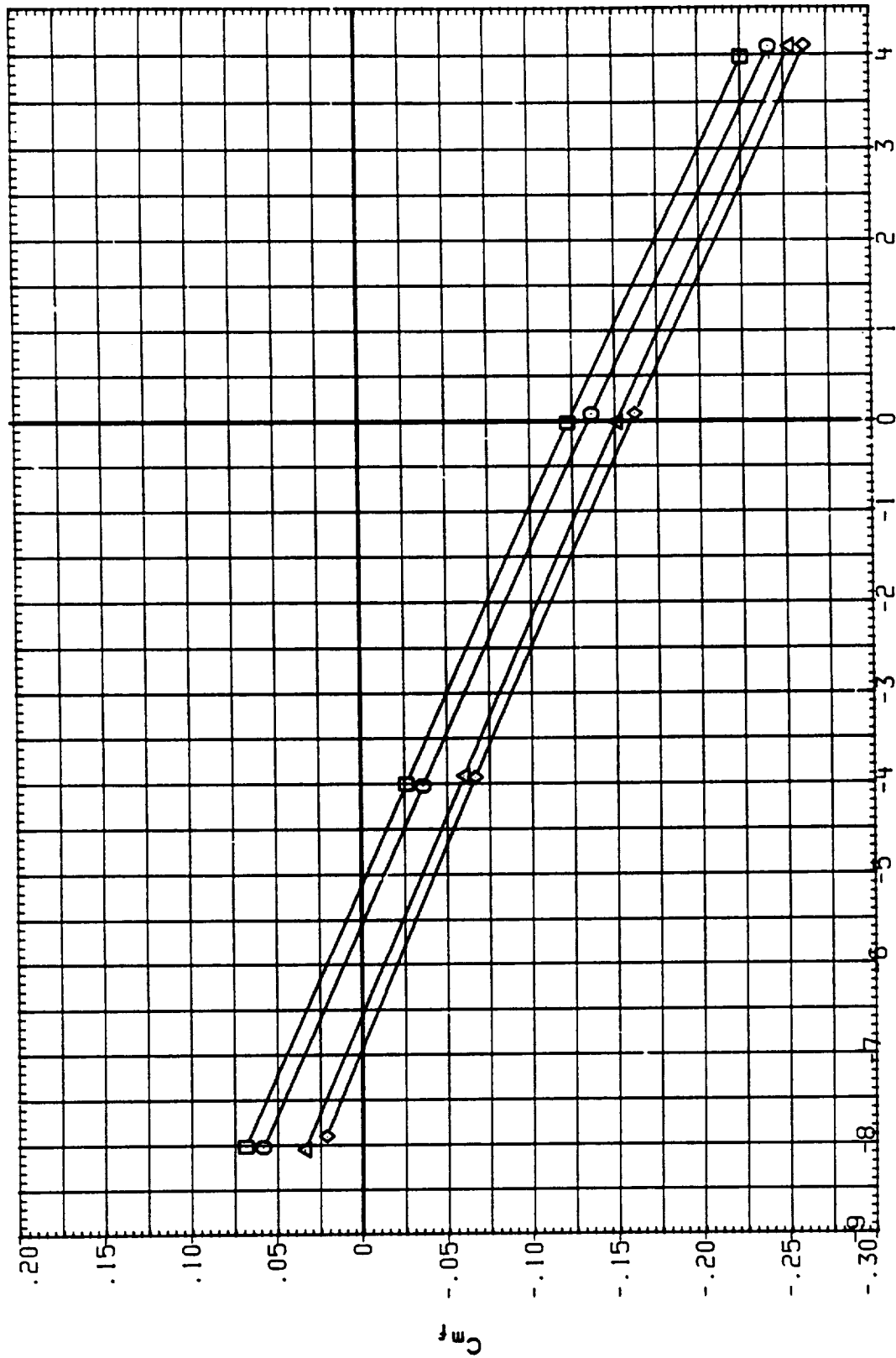


FIG. 6 EFFECT OF ELEVON SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0066	IA613A1AEDC 16TF -829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	10.000	9.000
RC0096	IA613A1AEDC 16TF -829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	8.000	9.000
RC0081	IA613A1AEDC 16TF -829) B/L OT + ASRM+PLUMES S1.2	.800	BOTTOM	10.000	9.000
RC0049	IA613A1AEDC 16TF -829) B/L OT + ASRM+PLUMES S1.2	.800	BOTTOM	8.000	9.000



alpha

FIG. 6 EFFECT OF ELEVON SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL CASE IDENTIFICATION BOTTOM (A) BETA

RC0066 O IAG13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF .800 3.000

RC0096 □ IAG13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF .800 9.000

RC0081 ◇ IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2 .800 10.000

RC0049 △ IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2 .800 9.000

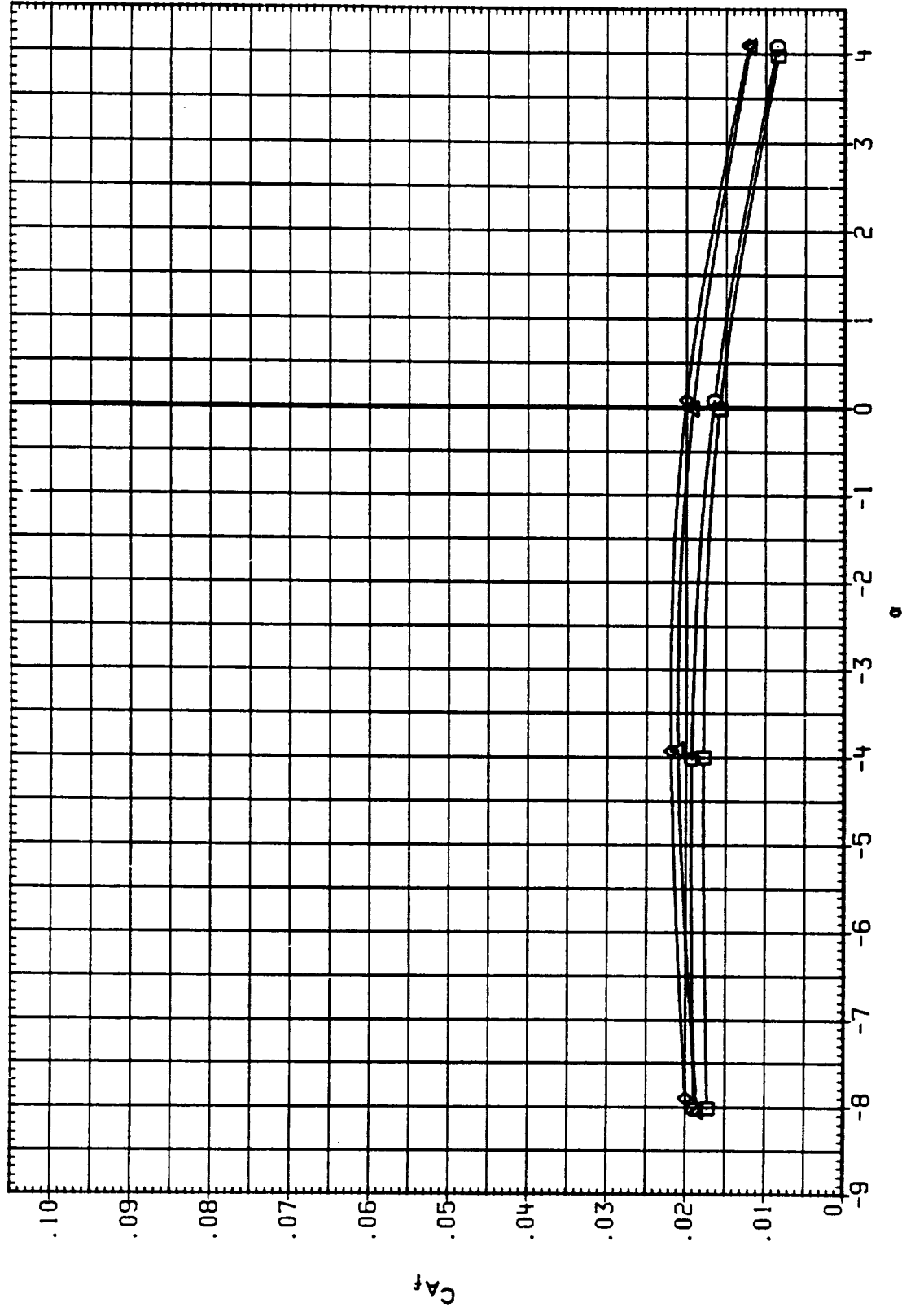


FIG. 6 EFFECT OF ELEVON SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION
 RC0067 O IAS13A1AEDC 16TF-829) B/L OT + ASRM, PL /FF
 RC0097 □ IAS13A1AEDC 16TF-829) B/L OT + ASRM, PL /FF
 RC0082 ◇ IAS13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.2
 RC0080 △ IAS13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.2

MACH HEADCA HEADCY HEADCY
 .900 BOTTOM 10.000 9.000
 .900 BOTTOM 8.000 9.000
 .900 BOTTOM 10.000 8.000

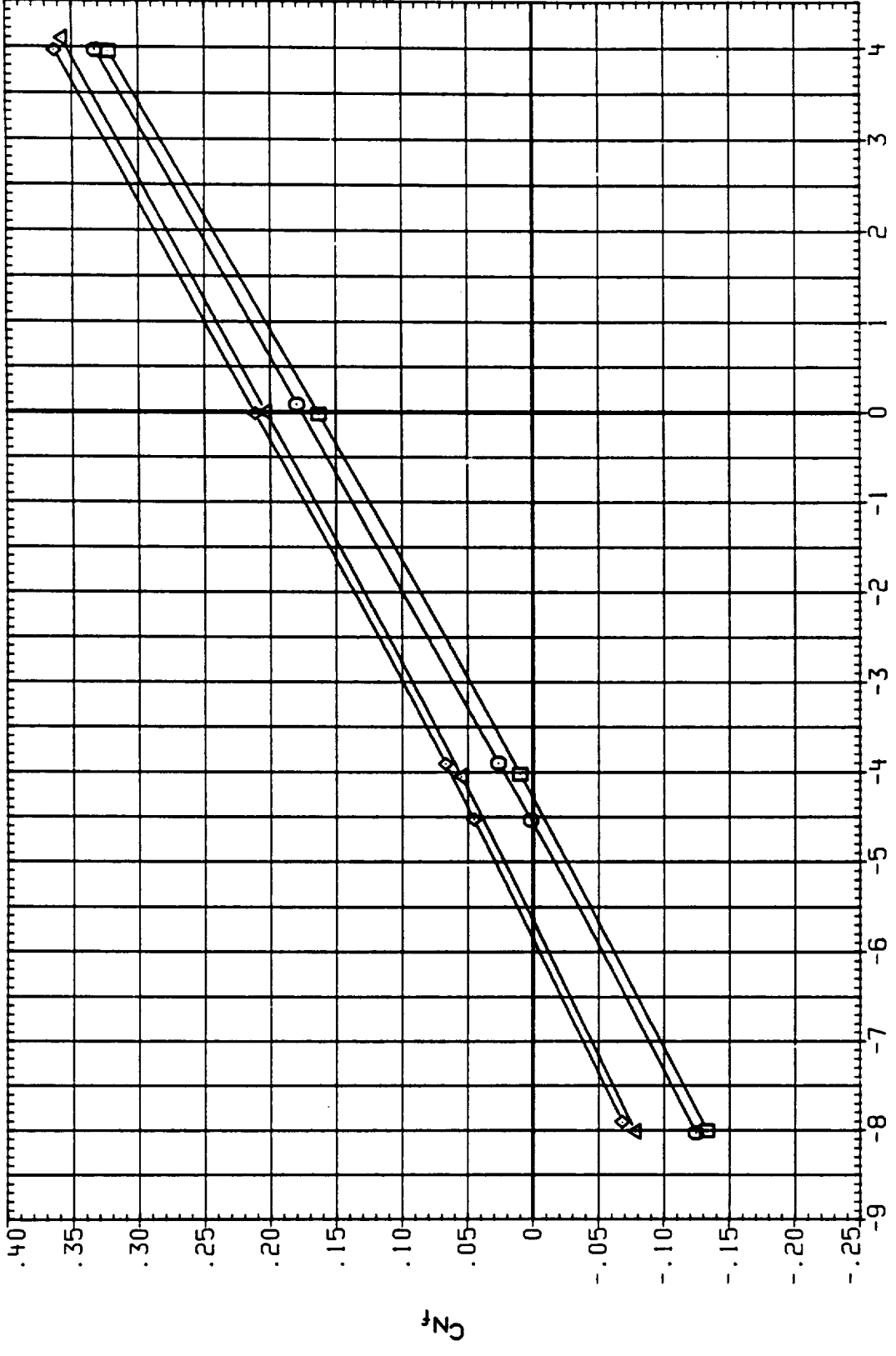


FIG. 6 EFFECT OF ELEVEN SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

ORIGINAL SIZE IS OF POOR QUALITY

DATA SET SYMBOL

RC0067
RC0097
RC0082
RC0080

COEFFICIENT OF FRICTION

161F-829) B/L OT + ASRM, PLUMES OFF
161F-829) B/L OT + ASRM, PLUMES OFF
161F-829) B/L OT + ASRM+PLUMES 51.2
161F-829) B/L OT + ASRM+PLUMES 51.2

DEPTH
.900
.900
.900
.900

LEVEL
BOTTOM
BOTTOM
BOTTOM
BOTTOM

WIND VELOCITY
9.000
9.000
9.000
9.000

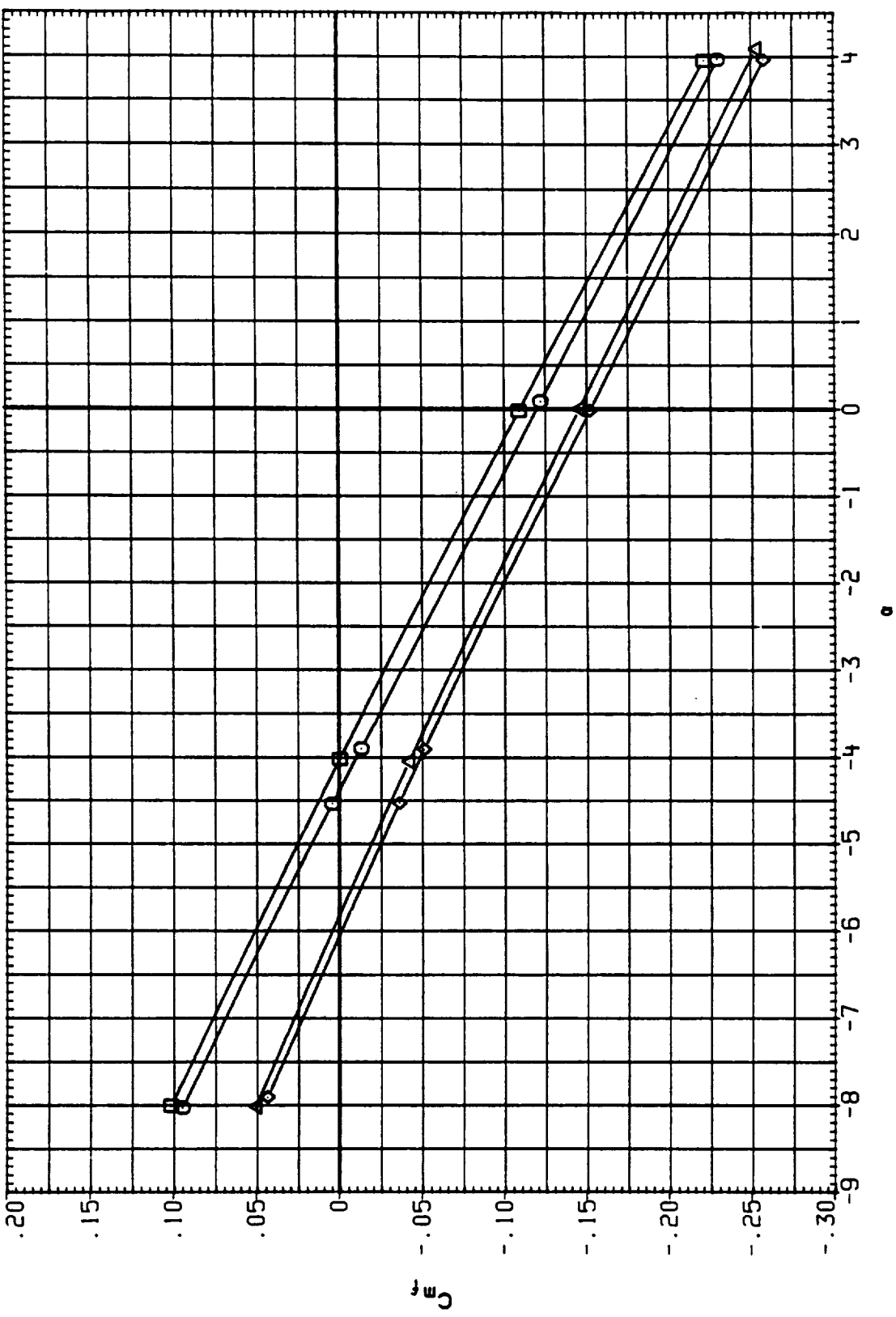


FIG. 6 EFFECT OF ELEVON SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

ORIGINAL FILED IN
OF POOR QUALITY

DATA SET SYMBOL CONFIGURATION

DATA SET SYMBOL	CONFIGURATION	ASRM	PLUMES	ASRM+PLUMES	ASRM	PLUMES	ASRM+PLUMES
RC0067	I A613A1AEDC 161F-829) B/L OT + ASRM, PLUME	.900	9.000	9.000	BOTTOM	9.000	9.000
RC0097	I A613A1AEDC 161F-829) B/L OT + ASRM, PLUME	.900	8.000	8.000	BOTTOM	8.000	8.000
RC0082	I A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2	.900	10.000	10.000	BOTTOM	10.000	10.000
RC0080	I A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2	.900	8.000	8.000	BOTTOM	8.000	8.000

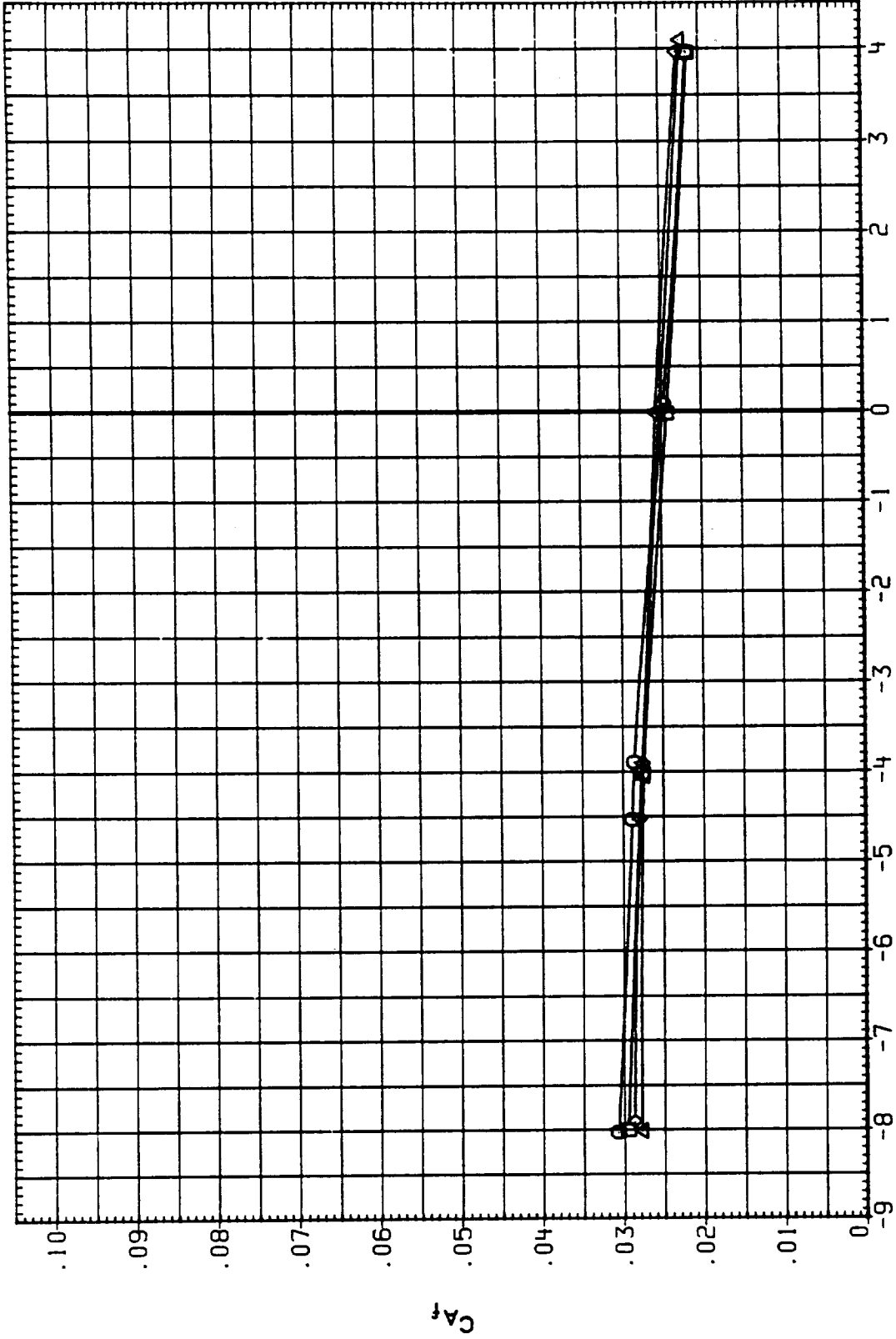


FIG. 6 EFFECT OF ELEVEN SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

ORIGINAL FILE IS OF POOR QUALITY

DATA SET SYMBOL	CONFIGURATION	MACH	HEIGHT	LEVEL	LEVEL
RC0068	IAB13A(AEDC 161F-829) B/L OT * ASRM, PLUMES OFF	.950	BOTTOM	10.000	9.000
RC0098	IAB13A(AEDC 161F-829) B/L OT * ASRM, PLUMES OFF	.950	BOTTOM	8.000	9.000
RC0083	IAB13A(AEDC 161F-829) B/L OT * ASRM+PLUMES ST.2	.950	BOTTOM	10.000	9.000
RC0081	IAB13A(AEDC 161F-829) B/L OT * ASRM+PLUMES ST.2	.950	BOTTOM	8.000	9.000

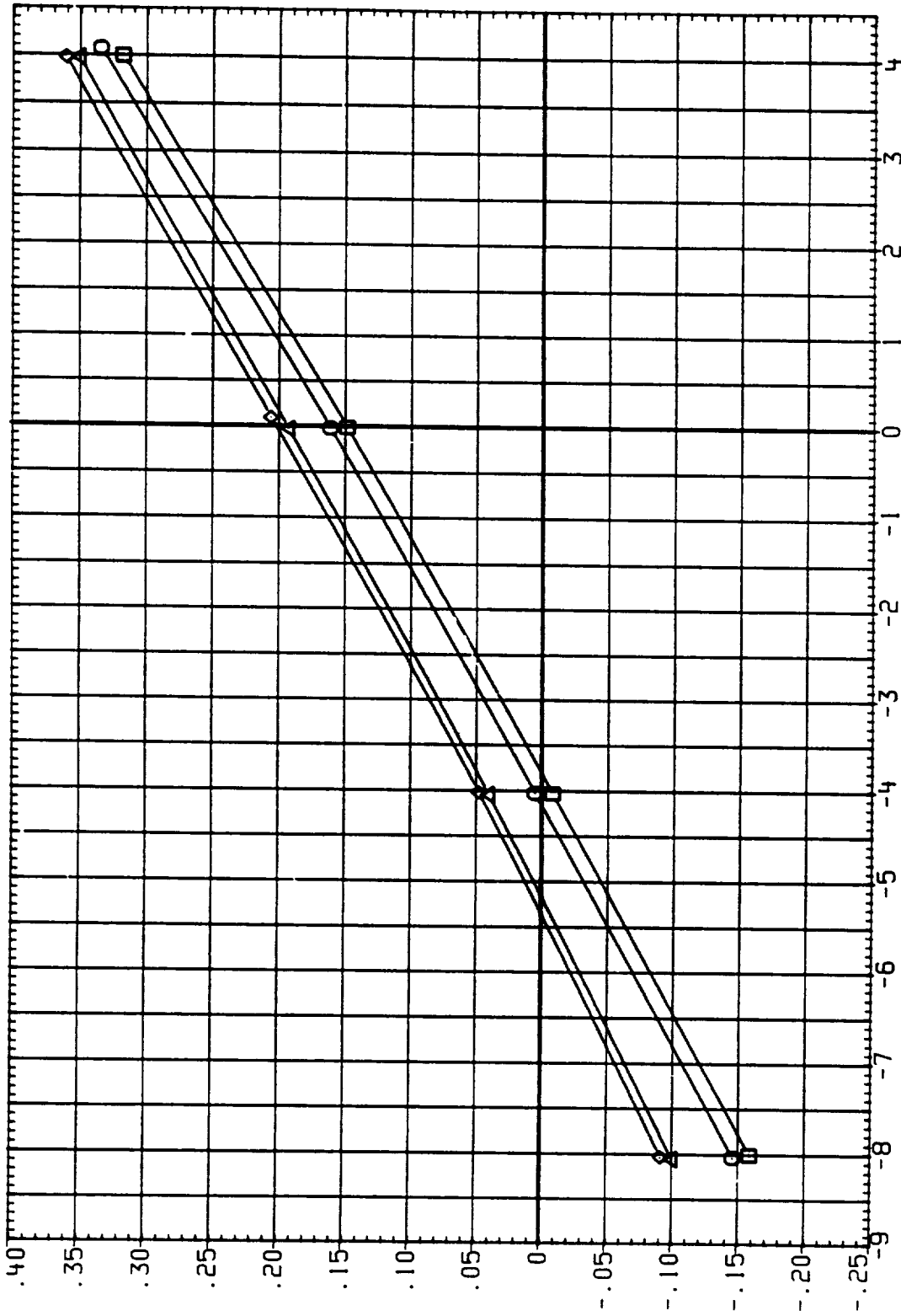


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL
 RC0068
 RC0098
 RC0083
 RC0081

COEFFICIENTS
 1A613A1AEDC 161F-829) B/L CT * ASRM, PLUMES OF
 1A613A1AEDC 161F-829) B/L OT * ASRM, PLUMES OF
 1A613A1AEDC 161F-829) B/L OT * ASRM+PLUMES 51.2
 1A613A1AEDC 161F-829) B/L OT * ASRM+PLUMES 51.2

MACH
 .950
 .950
 .950

LEASZA
 BOTTOM
 BOTTOM
 BOTTOM

CS-ELV
 9.000
 9.000
 9.000

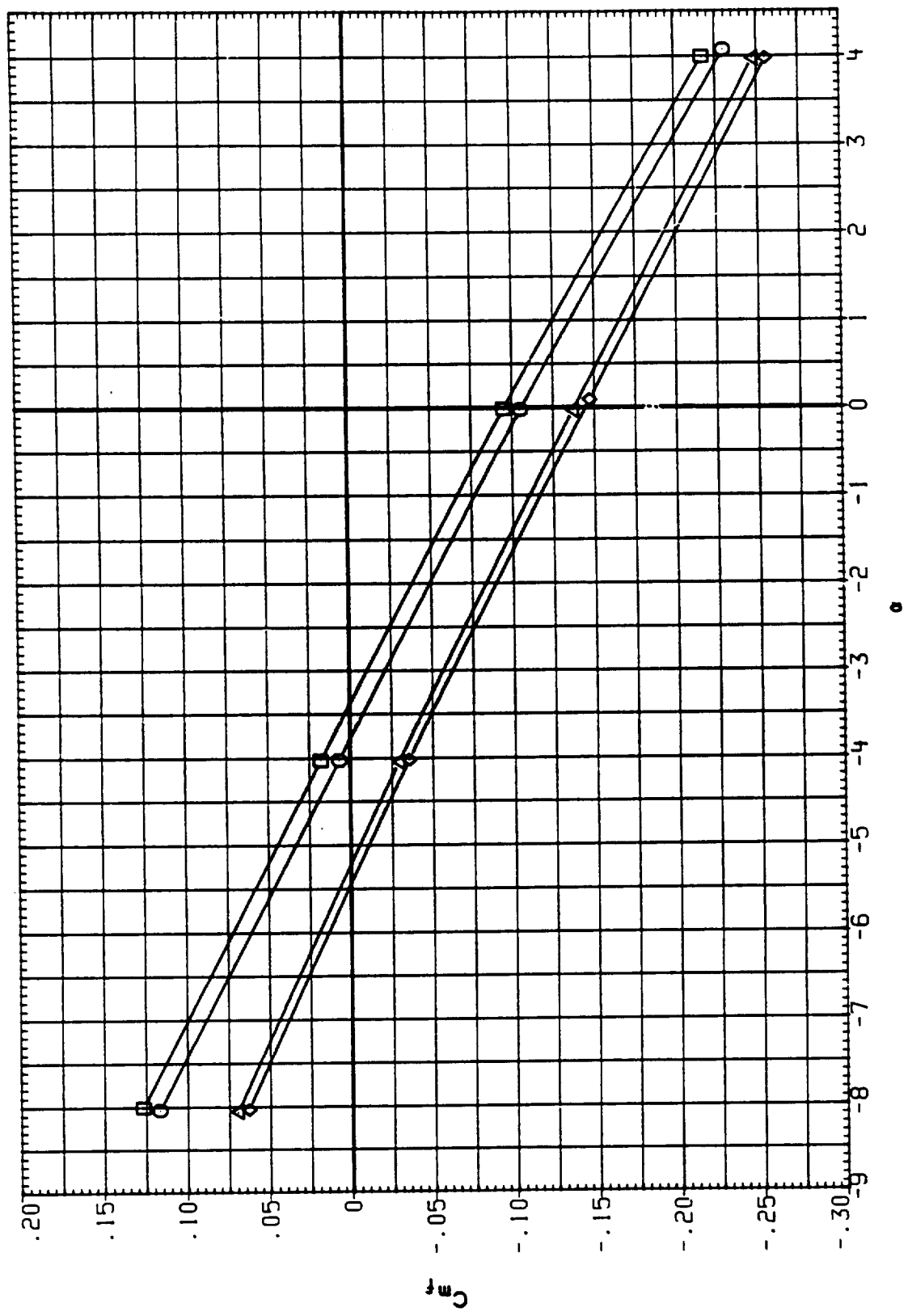


FIG. 6 EFFECT OF ELEVEN SCHEDULES
 LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

ORIGINAL PAGE IS
 OF POOR QUALITY

DATA SET SYMBOL
 RC0058
 RC0098
 RC0083
 RC0081

CONFIGURATION
 1A613A1AEDC 1B1F-829) B/L OT + ASRM, PLUMES OFF
 1A613A1AEDC 1B1F-829) B/L OT + ASRM, PLUMES OFF
 1A613A1AEDC 1B1F-829) B/L OT + ASRM+PLUMES S1.2

MACH
 .950
 .950
 .950

IEABOX
 BOTTOM
 BOTTOM
 BOTTOM

IB-ELV
 10.000
 8.000
 10.000

OB-ELV
 9.000
 9.000
 9.000

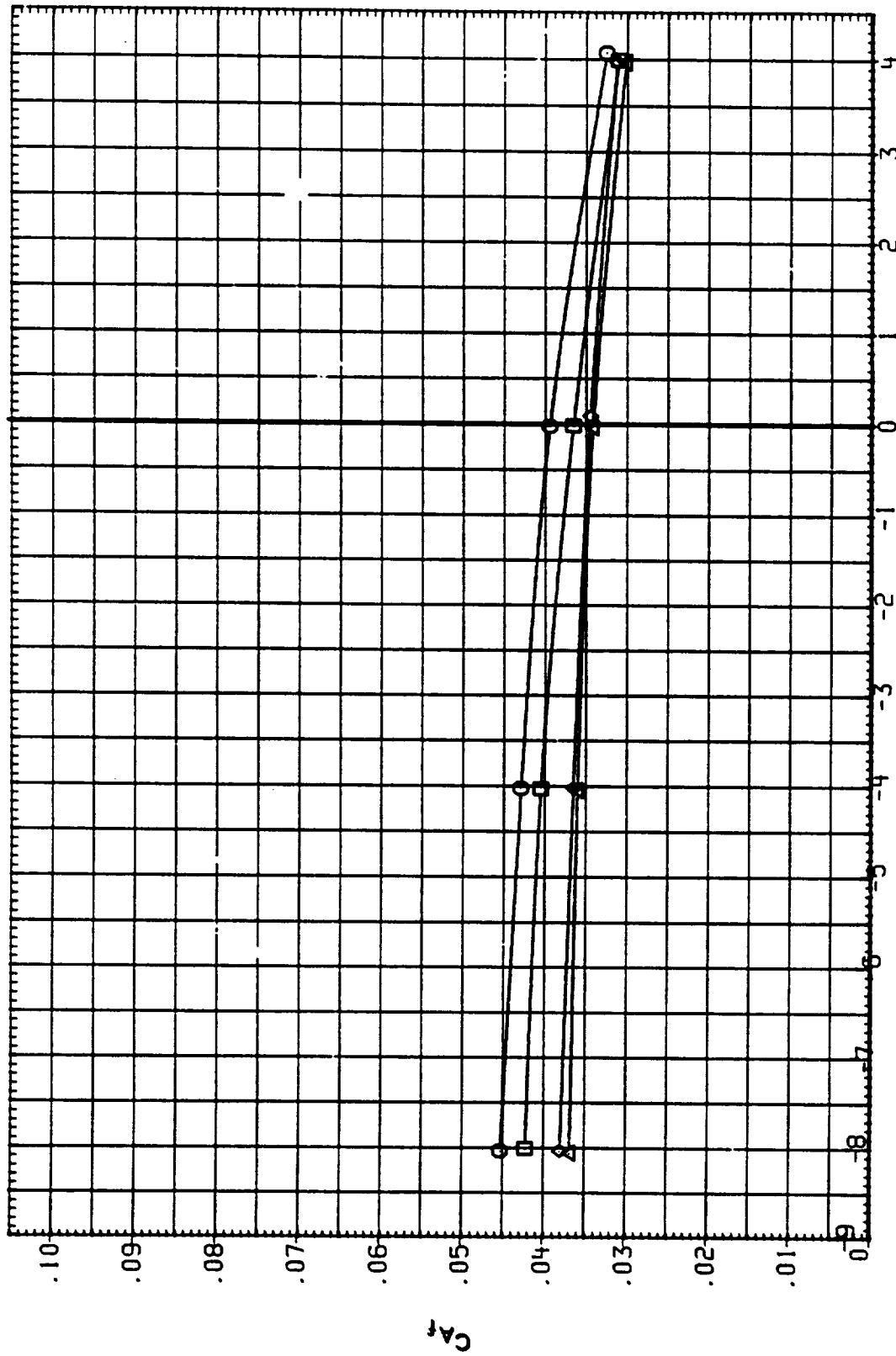


FIG. 6 EFFECT OF ELEVON SCHEDULES
 LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL

RC0069
RC0099
RC0084
RC0082

CONFIGURATION

IA613A(AEDC 16TF-829) B/L OT + ASRM
IA613A(AEDC 16TF-829) B/L OT + ASRM
IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2
IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

SCALE
1.050
1.050
1.050
1.050

LEADER
BOTTOM
BOTTOM
BOTTOM
BOTTOM

SCALE
9.000
9.000
9.000
9.000

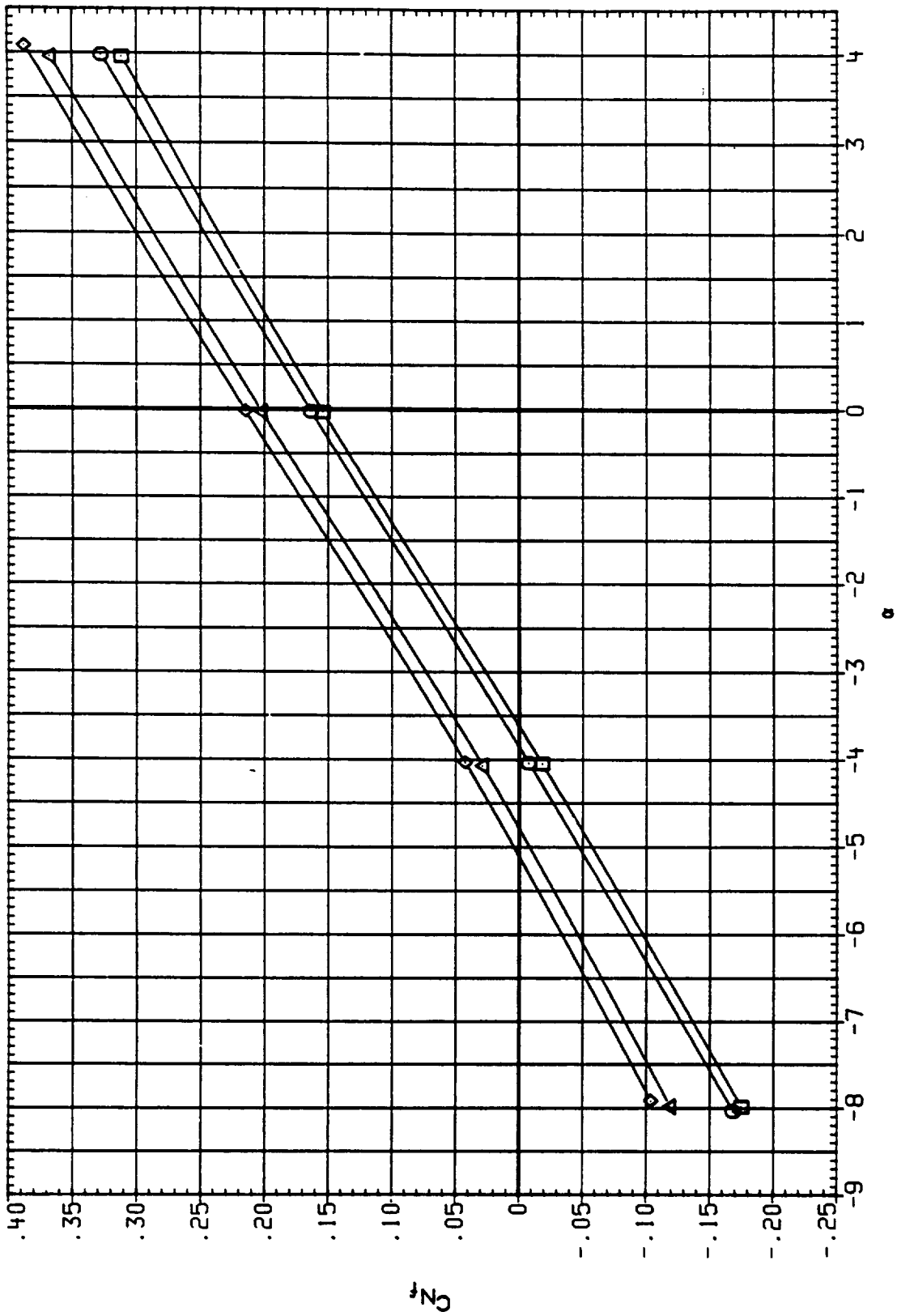


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELY	CB-ELY
RC0069	I A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.050	BOTTOM	10.000	9.000
RC0099	I A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.050	BOTTOM	8.000	9.000
RC0084	I A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.050	BOTTOM	10.000	9.000
RC0082	I A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.050	BOTTOM	8.000	9.000

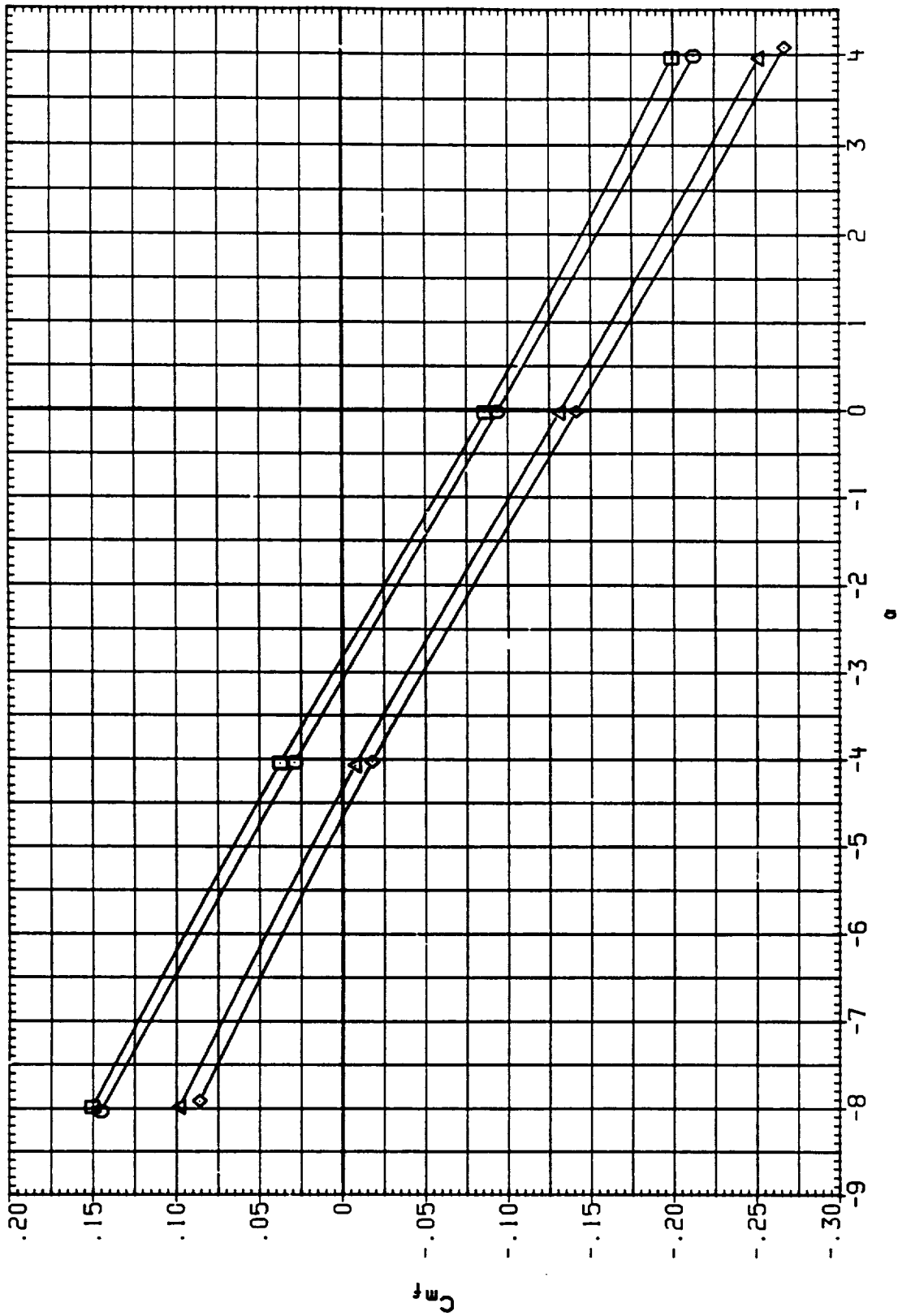


FIG. 6 EFFECT OF ELEVEN SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET 50000

RC0069	IA613A1AEDC	16TF-8291	B/L 01	ASRM, PLV	CF	1.050	BOTTOM	9.000
RC0099	IA613A1AEDC	16TF-8291	B/L 01	ASRM, PLV	CF	1.050	BOTTOM	9.000
RC0084	IA613A1AEDC	16TF-8291	B/L 01	ASRM+PLUM	1.2	1.050	BOTTOM	10.000
RC0082	IA613A1AEDC	16TF-8291	B/L 01	ASRM+PLUMES	51.2	1.050	BOTTOM	8.000

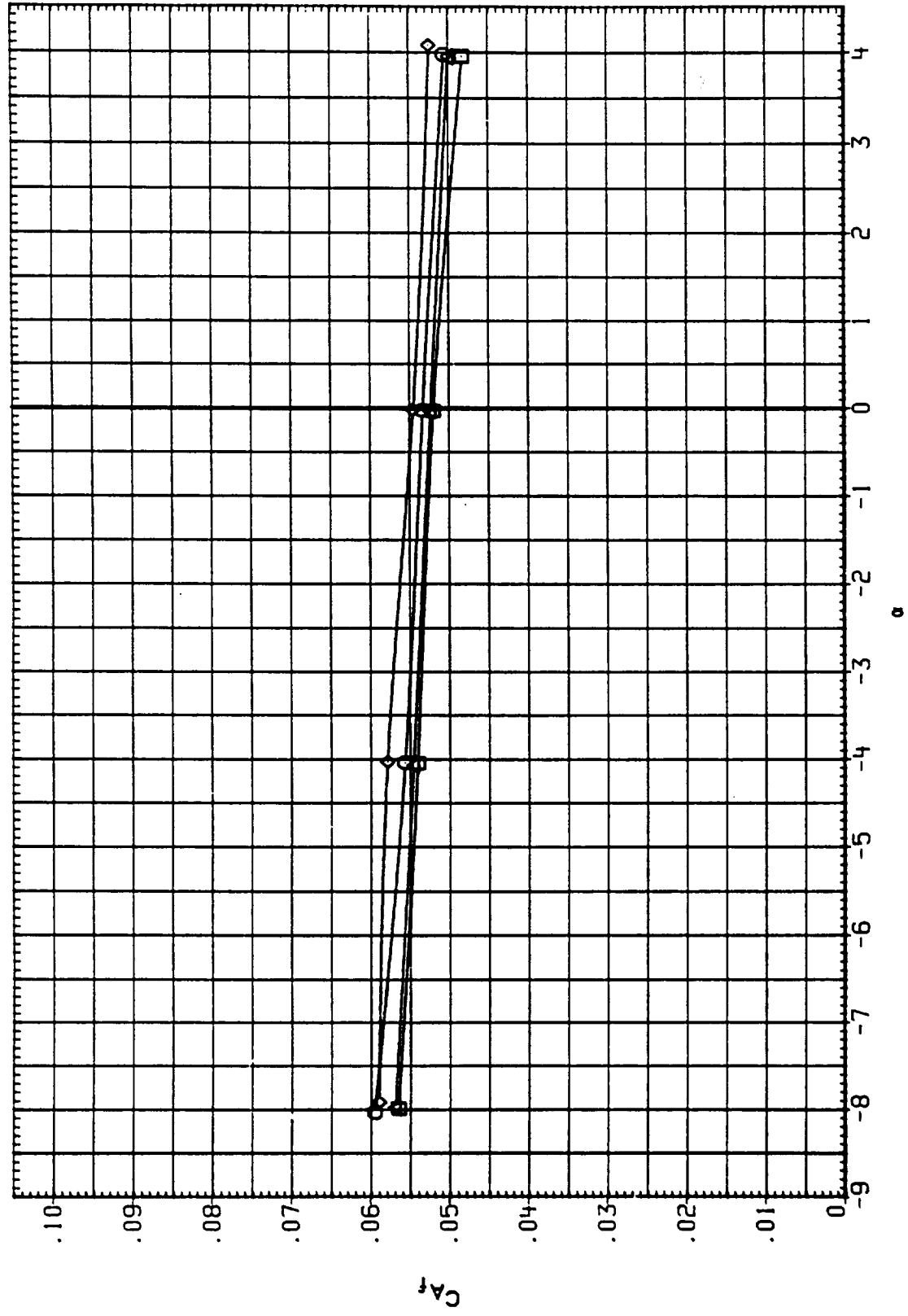


FIG. 6 EFFECT OF ELEVEN SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET SYMBOL

RC0070 ○

RC0040 □

RC0085 ◇

RC0083 △

CONFIGURATION

IAG13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF

IAG13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF

IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

SCALE

10.000

8.000

10.000

8.000

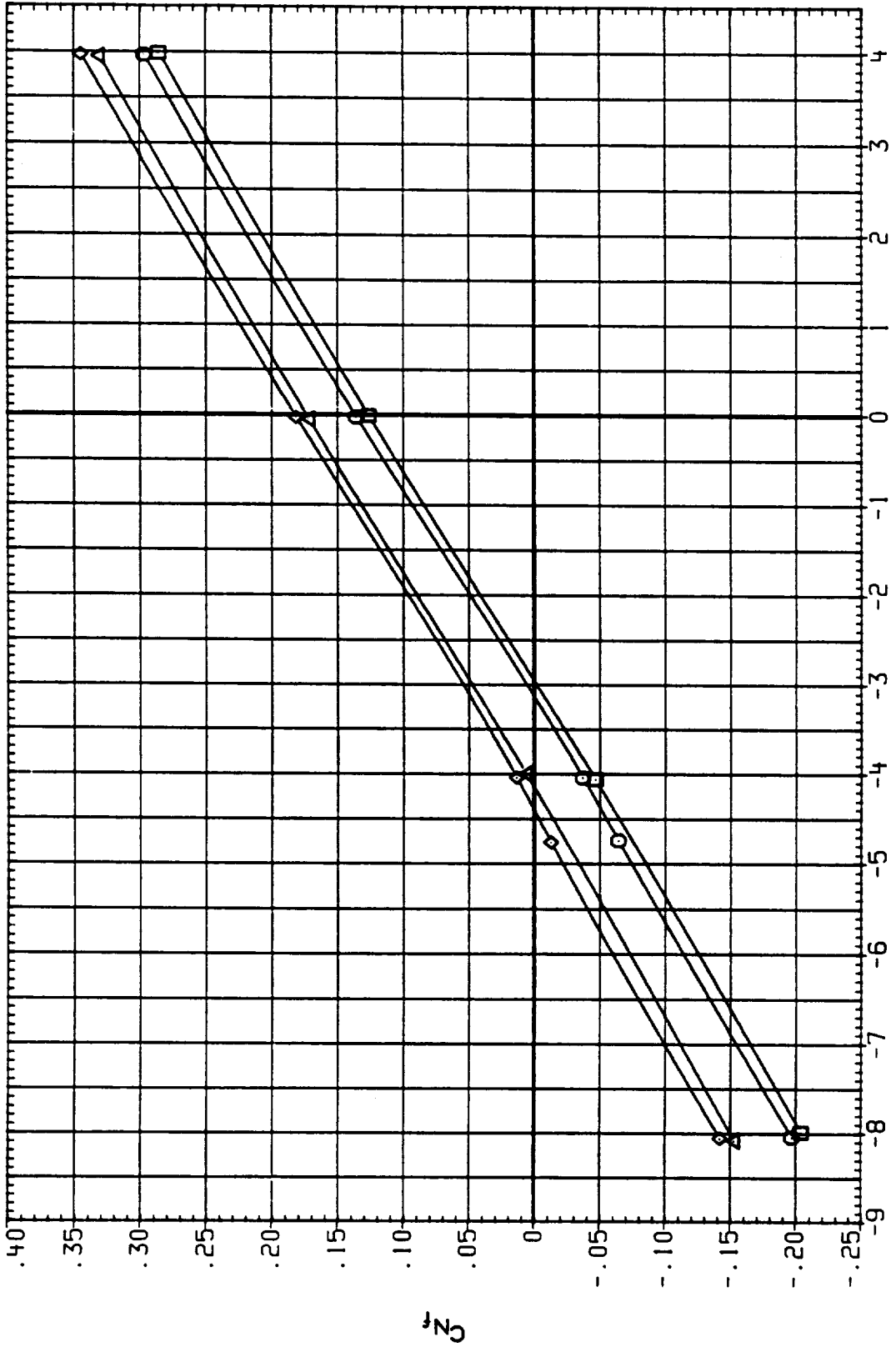


FIG. 6 EFFECT OF ELEVEN SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION

DATA SET SYMBOL	CONFIGURATION	SCALE	LEVEL	DEPTH	WAVELENGTH
RC0070	1A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES	1.100	BOTTOM	10.000	9.000
RC0040	1A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES	1.100	BOTTOM	8.000	9.000
RC0085	1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES 2:1:2	1.100	BOTTOM	10.000	9.000
RC0083	1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES 5:1:2	1.100	BOTTOM	8.000	9.000

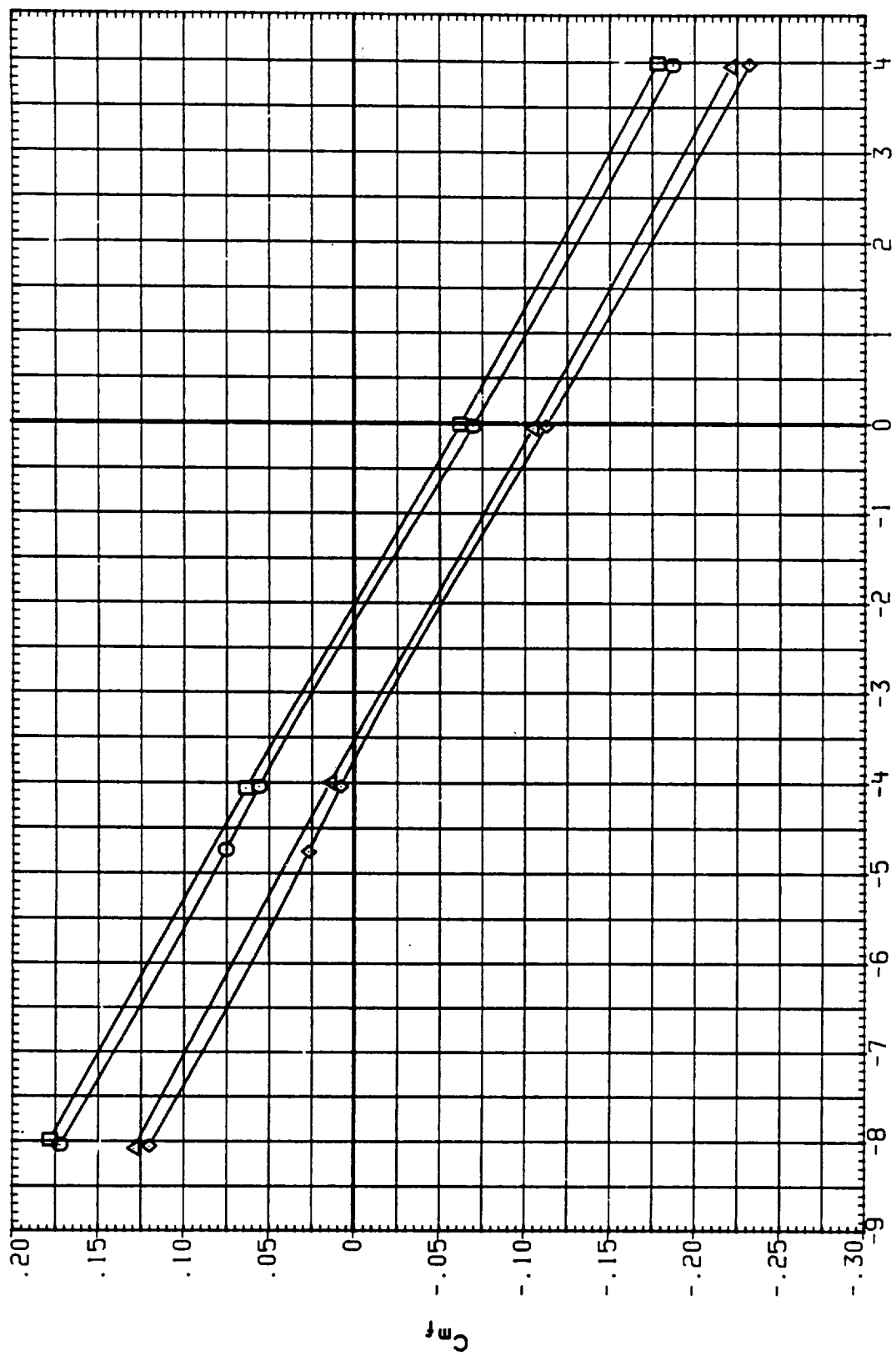


FIG. 6 EFFECT OF ELEVON SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	IE-ABOX	IB-ELV	OB-ELV
RC0070	IA613A1AEDC 161F-8291 B/L 01 * ASRH, PLUMES OFF	1.100	BOTTOM	10.000	9.000
RC0040	IA613A1AEDC 161F-8291 B/L 01 * ASRH, PLUMES OFF	1.100	BOTTOM	8.000	9.000
RC0085	IA613A1AEDC 161F-8291 B/L 01 * ASRH+PLUMES S1.2	1.100	BOTTOM	10.000	9.000
RC0083	IA613A1AEDC 161F-8291 B/L 01 * ASRH+PLUMES S1.2	1.100	BOTTOM	8.000	9.000

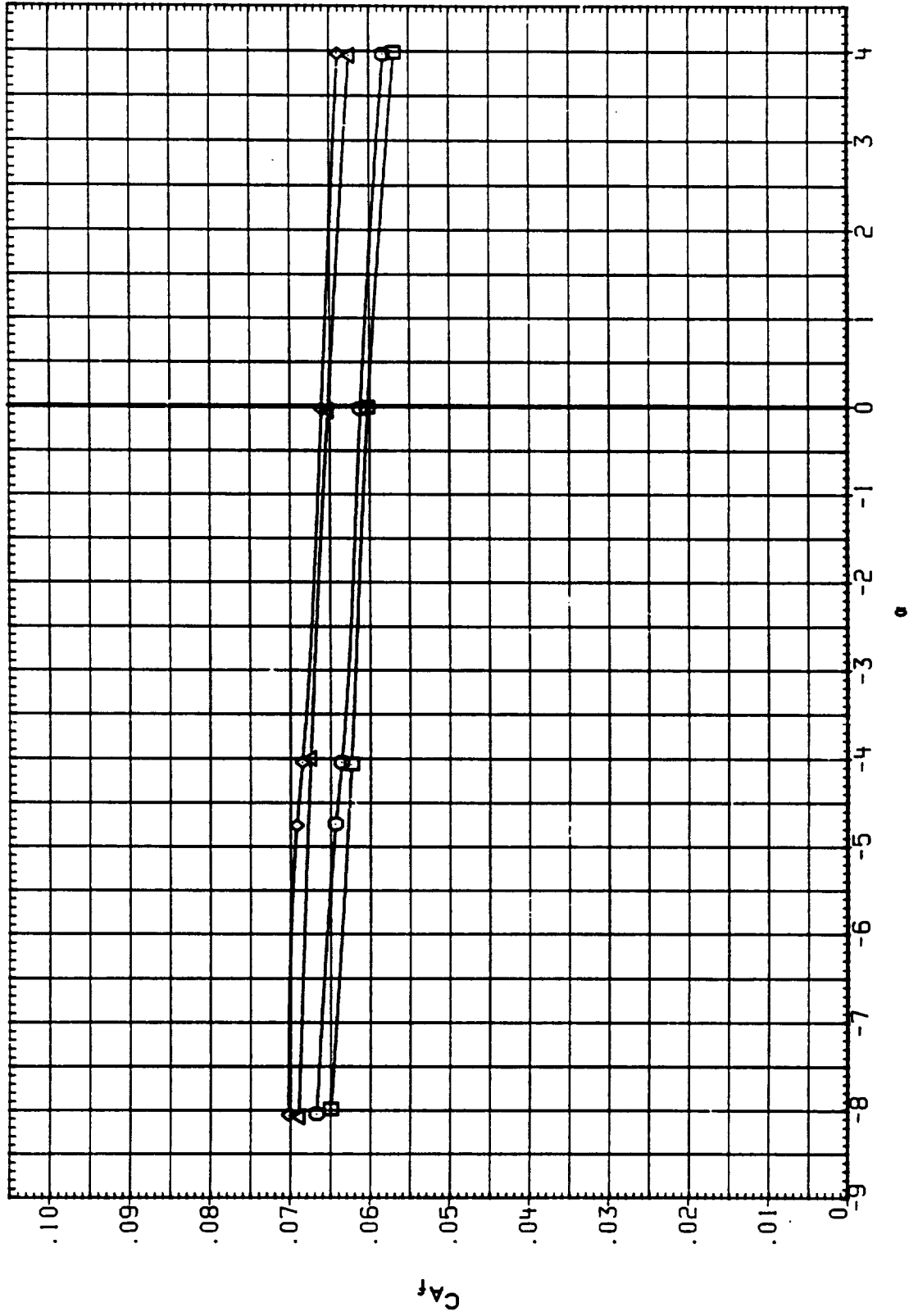


FIG. 6 EFFECT OF ELEVON SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	IE-BOX	IB-ELV	OB-ELV
RC0071	I A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	150	10.000	9.000
RC00A1	I A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.150	8.000	9.000
RC00B6	I A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	10.000	9.000
RC00B4	I A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	8.000	9.000

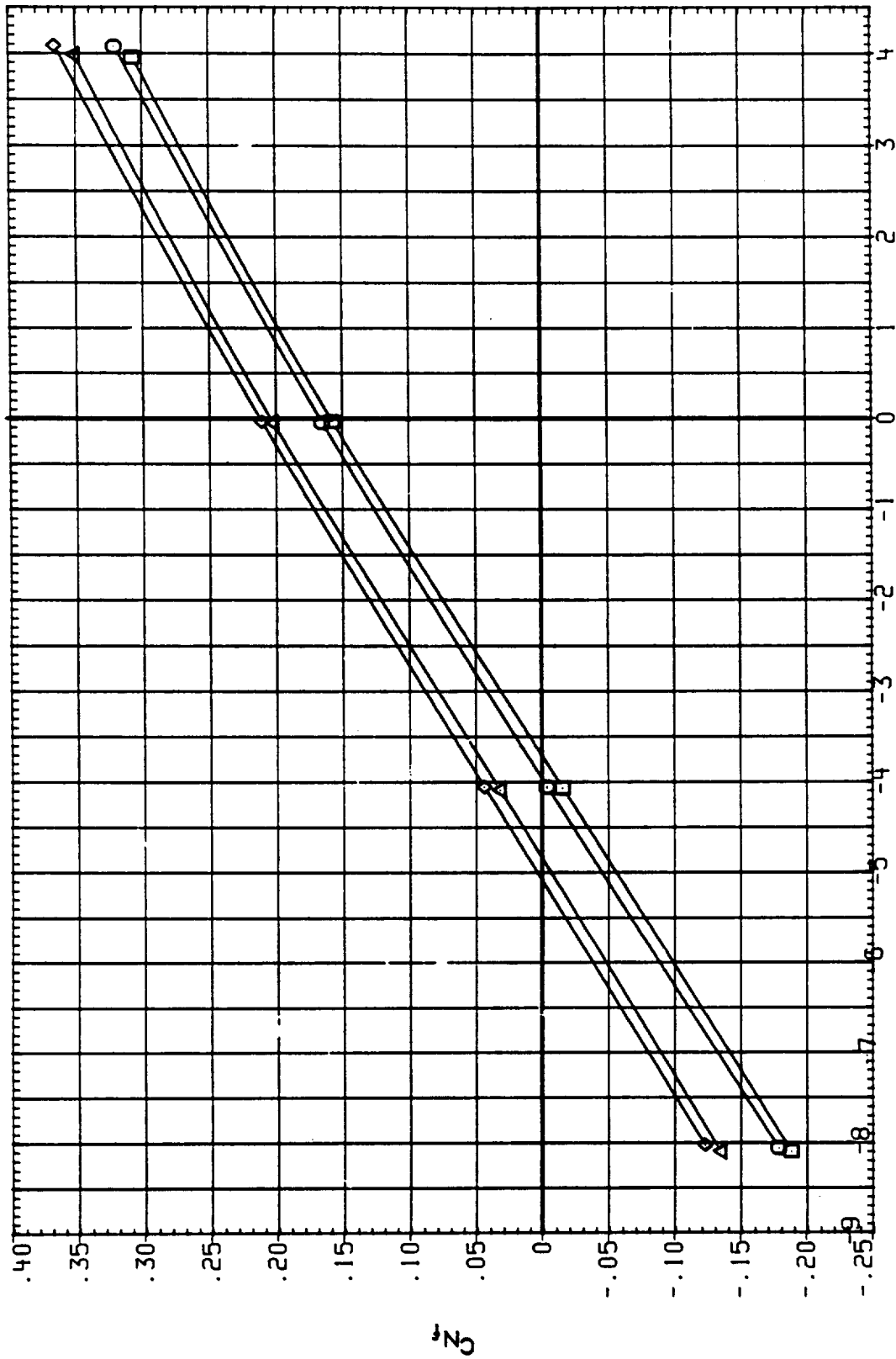


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-BOX	IB-ELV	OB-ELV
RC0071	I A613A1AEDC 16TF-829) B/L OT + ASRH, PLUMES OFF	1.150	BOTTOM	10.000	9.000
RC00A1	I A613A1AEDC 16TF-829) B/L OT + ASRH, PLUMES OFF	1.150	BOTTOM	8.000	9.000
RC0086	I A613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES 51.2	1.150	BOTTOM	10.000	9.000
RC0084	I A613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES 51.2	1.150	BOTTOM	8.000	9.000

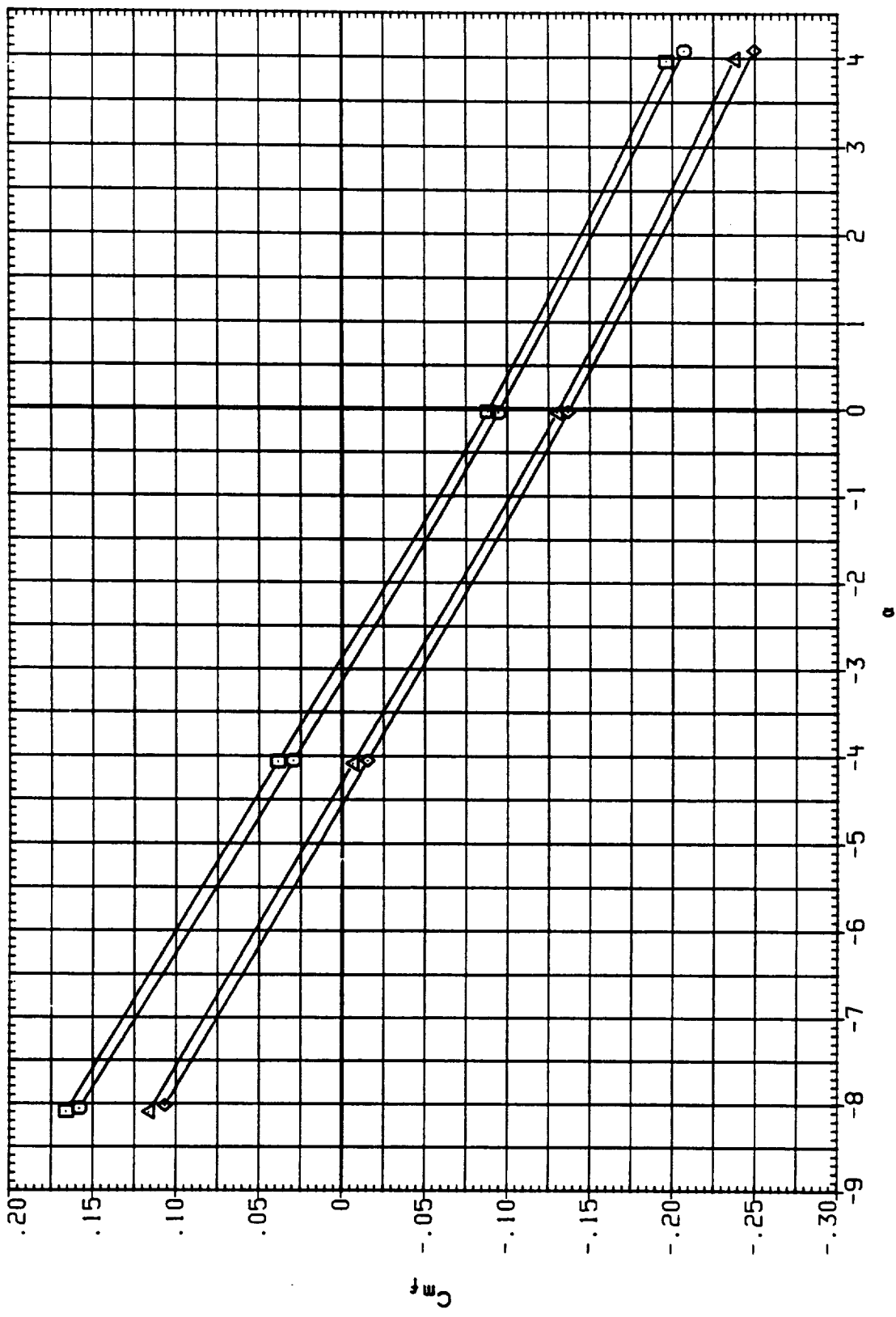


FIG. 6 EFFECT OF ELEVEN SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL

RC0071
RC00A1
RC00B6
RC00B4

□
◇
△

CONFIGURATION

IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF
IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF
IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2
IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2

MACH

1.150
1.150
1.150
1.150

IE/ABOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

IB-ELV

10.000
8.000
10.000
8.000

OB-ELV

9.000
9.000
9.000
9.000

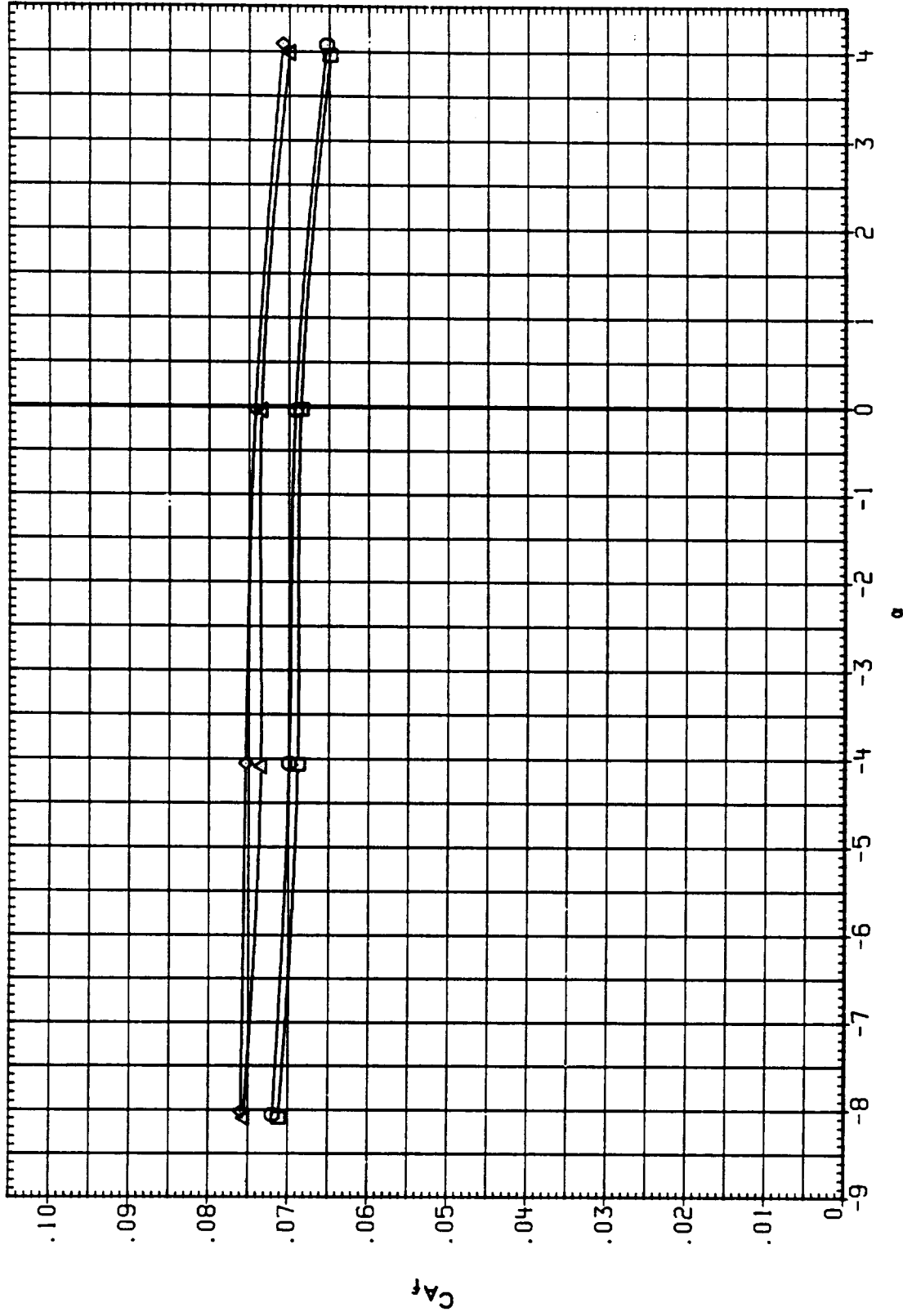


FIG. 6 EFFECT OF ELEVON SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	TEABOX	IB-ELV	OB-ELV
RC0072	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	10.000	9.000
RC0073	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	10.000	5.000
RC0042	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	8.000	9.000
RC0087	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.250	BOTTOM	10.000	9.000
RC0088	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.250	BOTTOM	10.000	5.000
RC0085	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.250	BOTTOM	8.000	9.000

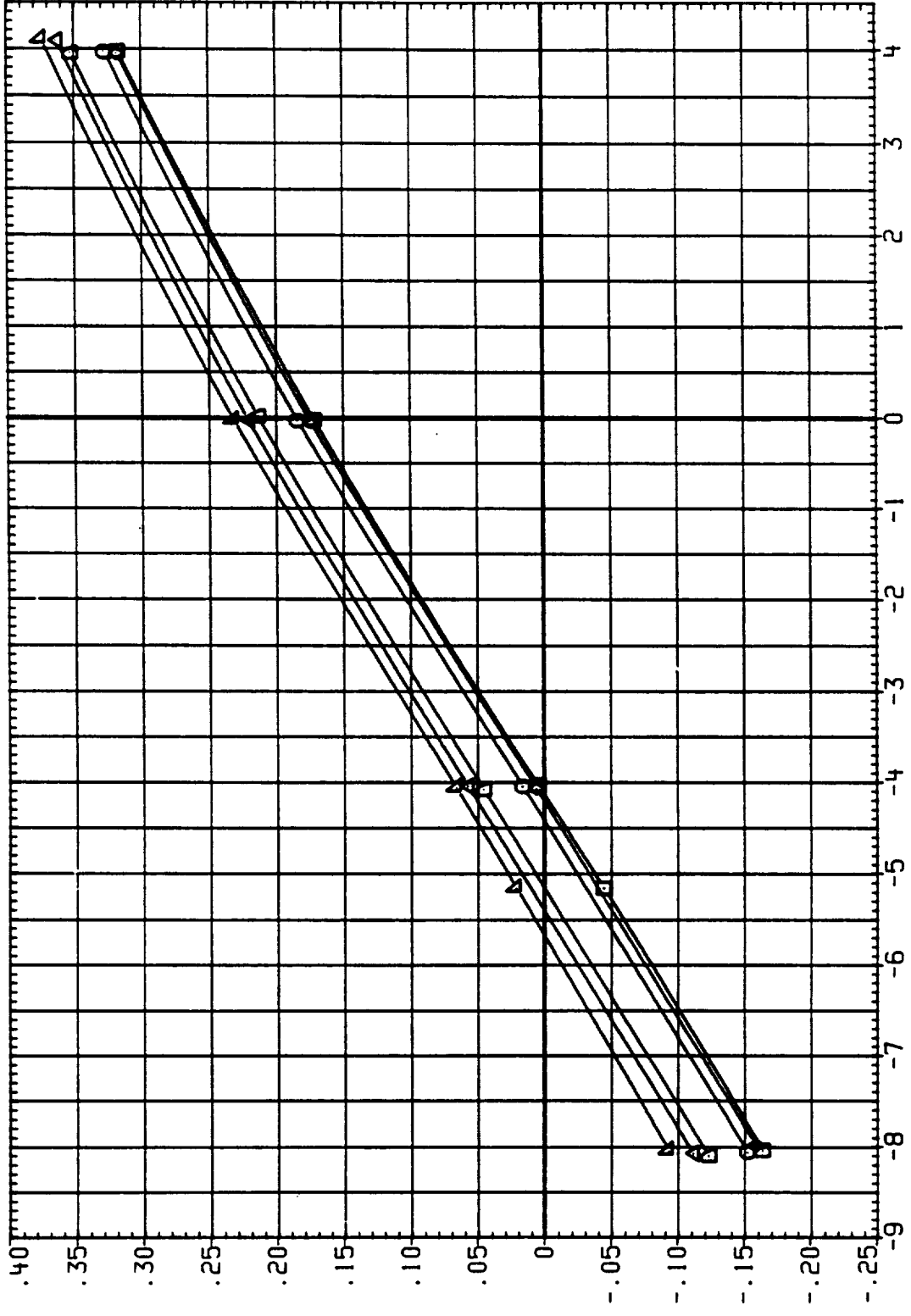


FIG. 6 EFFECT OF ELEVON SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

ATA SET SYMBOL	CONFIGURATION	I	IEABOX	IB-ELV	OB-ELV
RC0072	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	80110H	10.000	9.000
RC0073	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	80110H	10.000	5.000
RC00A2	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	80110H	8.000	9.000
RC00B7	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2	1.250	80110H	10.000	9.000
RC00B8	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.3	1.250	80110H	10.000	5.000
RC00B5	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2	1.250	80110H	8.000	9.000

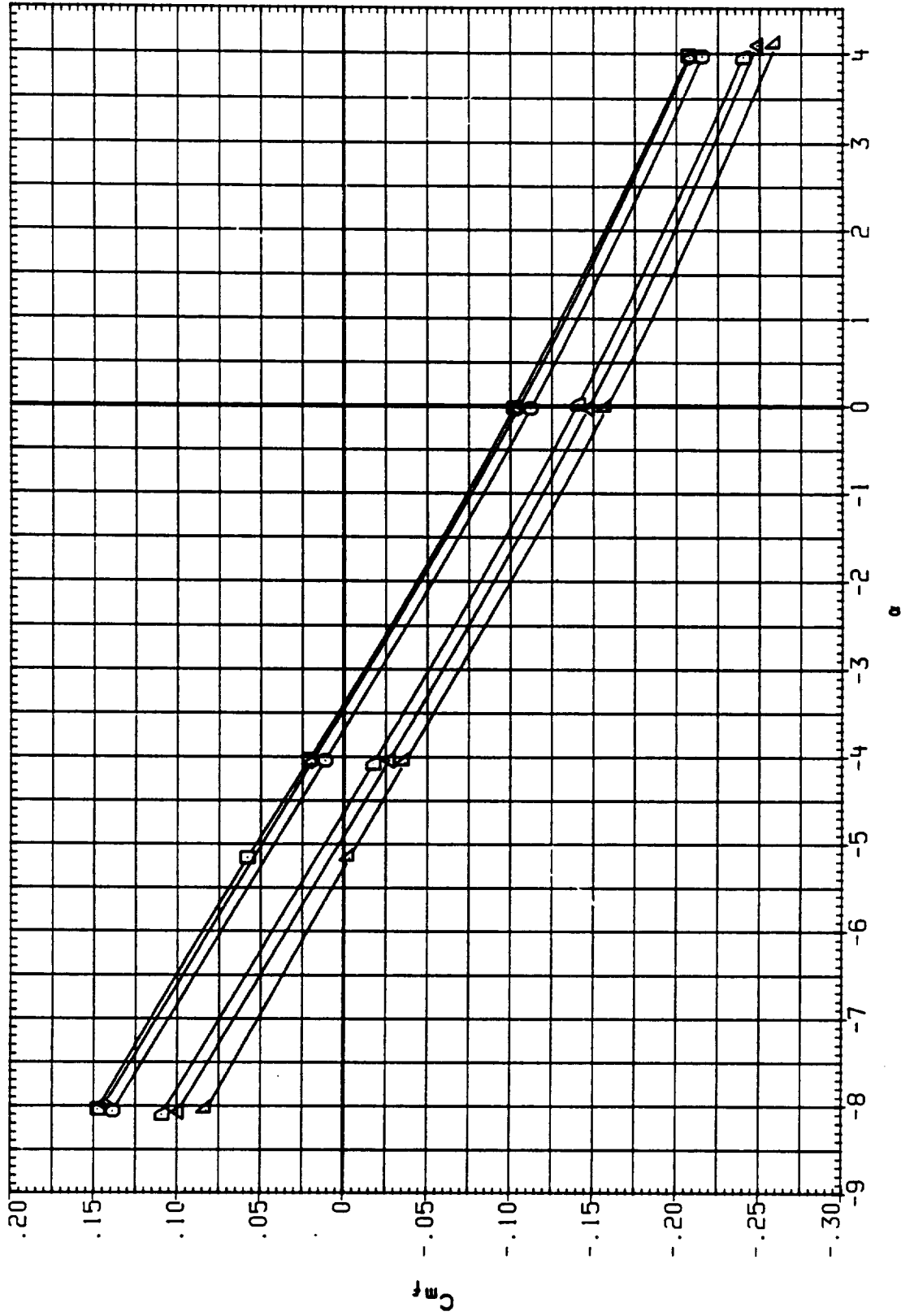


FIG. 6 EFFECT OF ELEVEN SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-ABOX	IB-ELV	OB-ELV
RC0072	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	10.000	9.000
RC0073	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	10.000	5.000
RC00A2	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	10.000	9.000
RC0087	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.250	BOTTOM	10.000	9.000
RC0088	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.250	BOTTOM	10.000	5.000
RC0085	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.250	BOTTOM	8.000	9.000

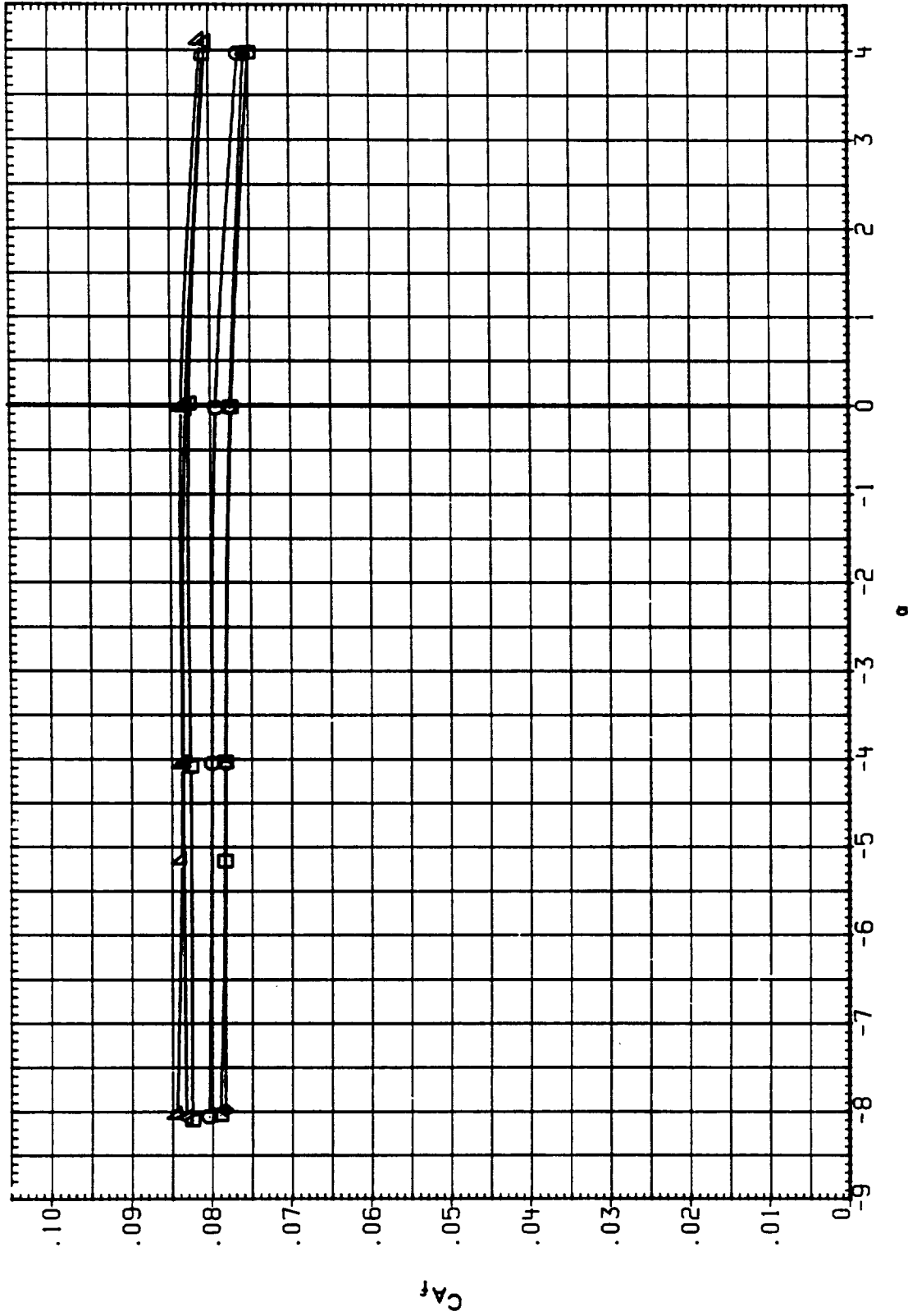


FIG. 6 EFFECT OF ELEVON SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
RC0074	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.300	BOTTOM	10.000	5.000
RC00A4	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.300	BOTTOM	8.000	5.000
RC00B9	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.300	BOTTOM	10.000	5.000
RC00B7	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.300	BOTTOM	8.000	5.000

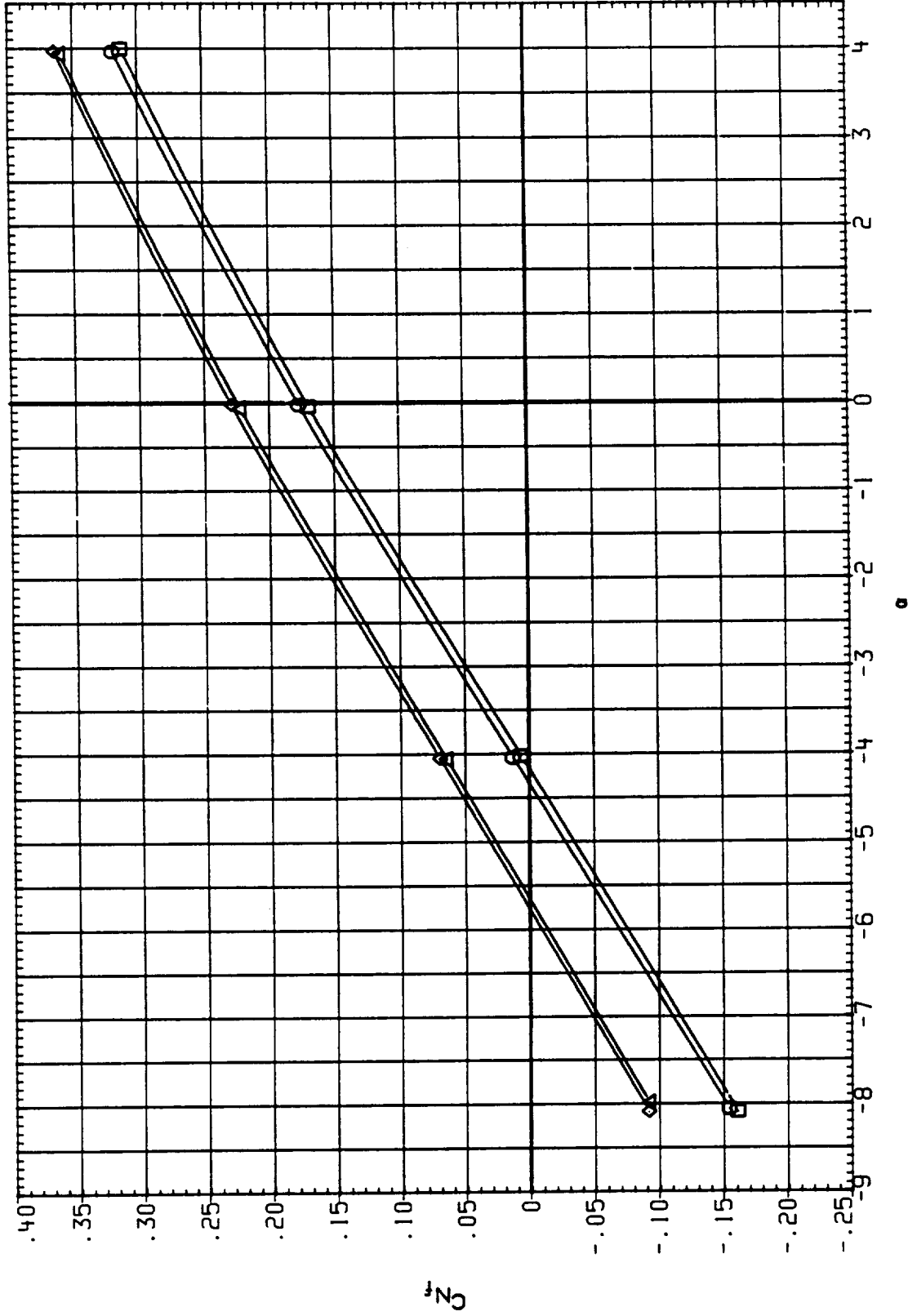


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL

RC0074
RC0044
RC0089
RC0087

CONFIGURATION

IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES OFF
IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES OFF
IA613A1AEDC 161F-8291 B/L OT + ASRM+PLUMES S1.3
IA613A1AEDC 161F-8291 B/L OT + ASRM+PLUMES S1.3

MACH
1.300
1.300
1.300

1E-ABOX
BOTTOM
BOTTOM
BOTTOM

1B-ELV
10.000
8.000
10.000

0B-ELV
5.000
5.000
5.000

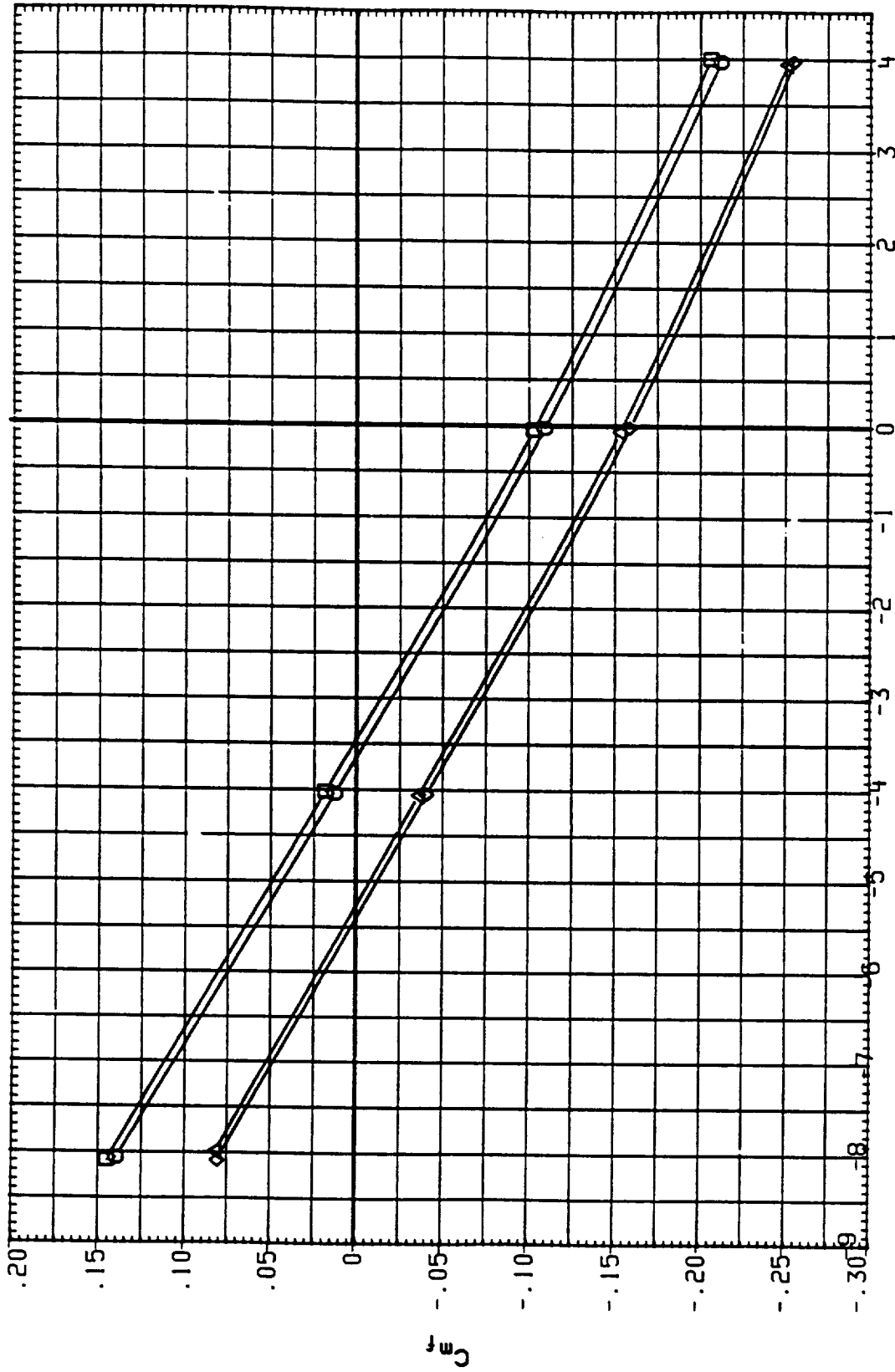


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL
 RC0074
 RC0084
 RC0089
 RC0087

CONFIGURATION

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
 IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
 IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3
 IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3

MACH
 1.300
 1.300
 1.300

LEABOX
 BOTTOM
 BOTTOM
 BOTTOM

IB-ELV
 10.000
 8.000
 10.000

OB-ELV
 5.000
 5.000
 5.000

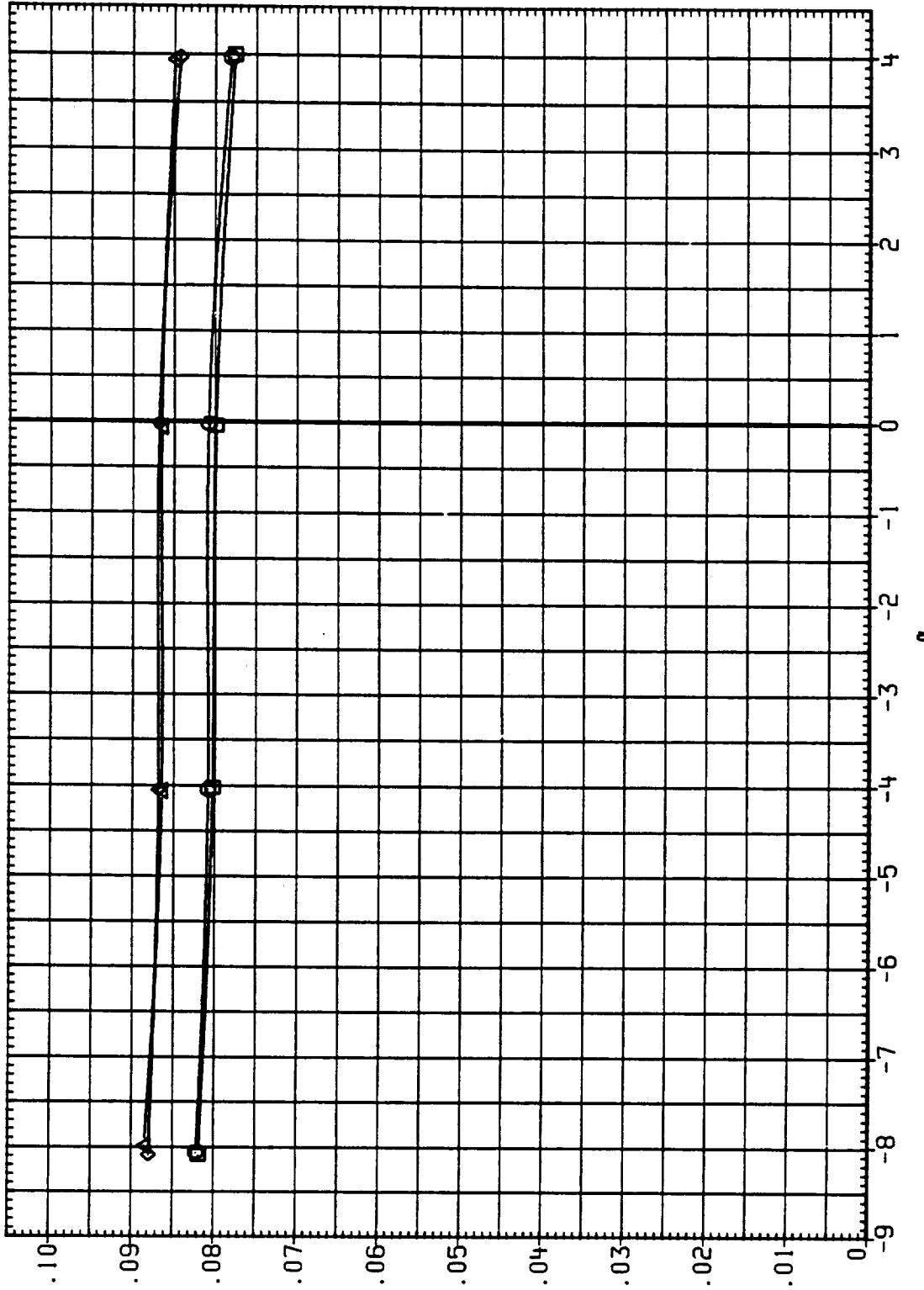


FIG. 6 EFFECT OF ELEVON SCHEDULES
 LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL

RC0075
RC00A5
RC0090
RC0088

CONFIGURATION

IAGI 3A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
IAGI 3A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
IAGI 3A(AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.3
IAGI 3A(AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.3

MACH

1.350
1.350
1.350
1.350

LEABOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

IB-ELY

10.000
8.000
10.000
8.000

OB-ELY

5.000
5.000
5.000
5.000

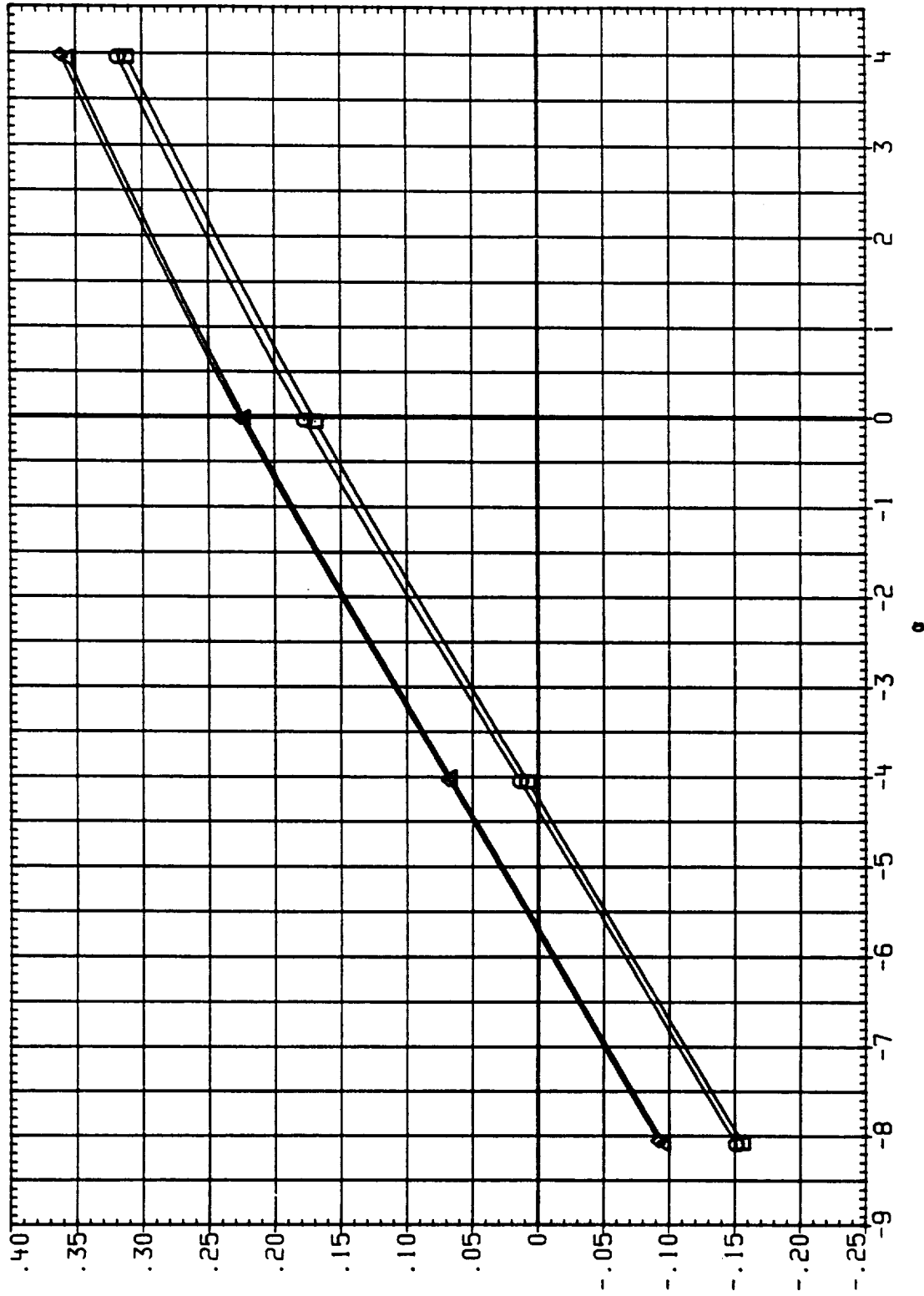


FIG. 6 EFFECT OF ELEVON SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL
 RC0075
 RC0045
 RC0090
 RC0088

CONFIGURATION

IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
 IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
 IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3
 IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3

H
 350
 1.350
 1.350
 1.350

IE-BOX
 BOTTOM
 BOTTOM
 BOTTOM

IB-ELV
 10.000
 8.000
 10.000

CB-ELV
 5.000
 5.000
 5.000

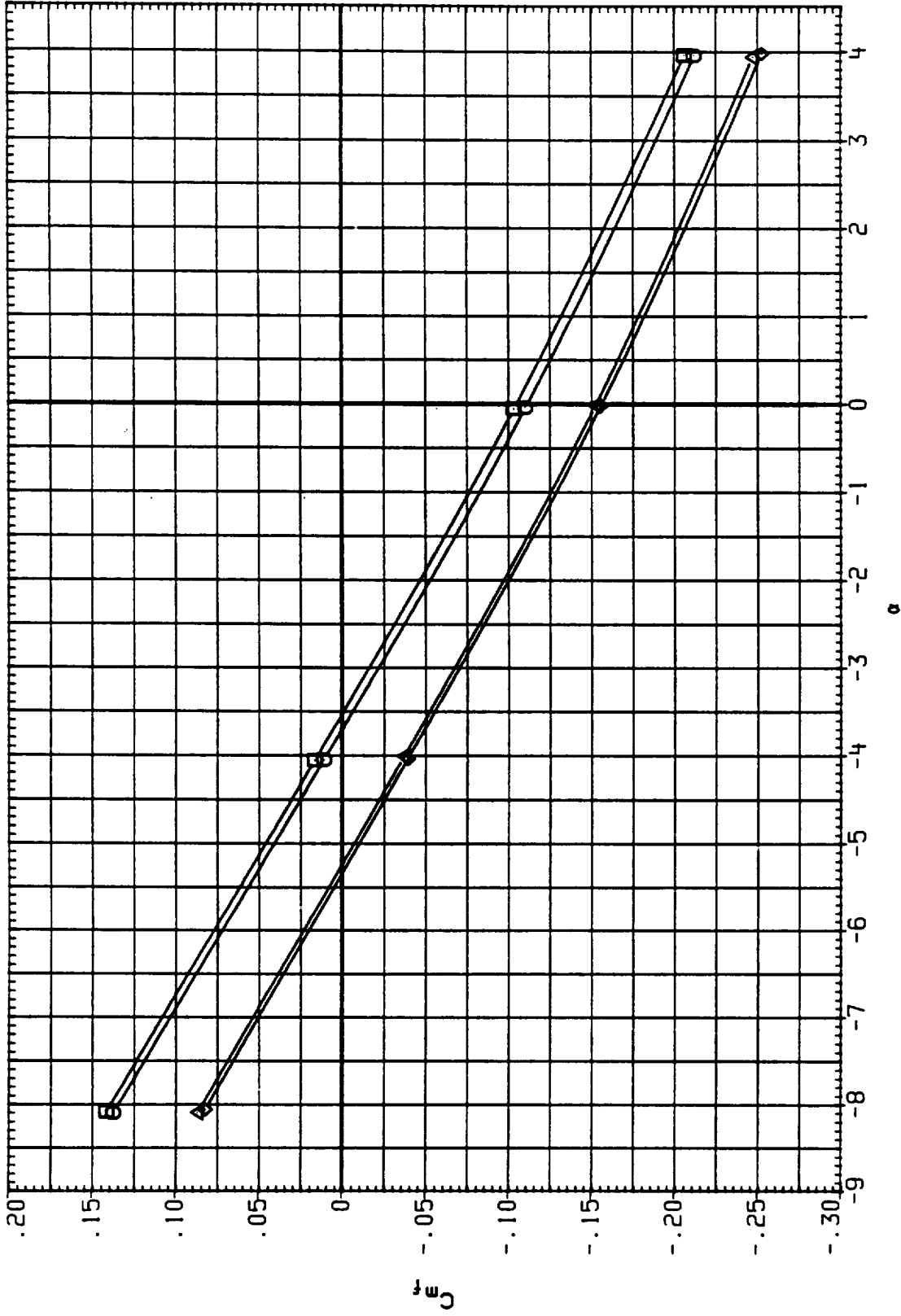


FIG. 6 EFFECT OF ELEVON SCHEDULES
 LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-ABOX	IB-ELV	OB-ELV
RC0075	1A613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.350	BOTTOM	10.000	5.000
RC00A5	1A613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.350	BOTTOM	8.000	5.000
RC0090	1A613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.350	BOTTOM	10.000	5.000
RC00B8	1A613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.350	BOTTOM	8.000	5.000

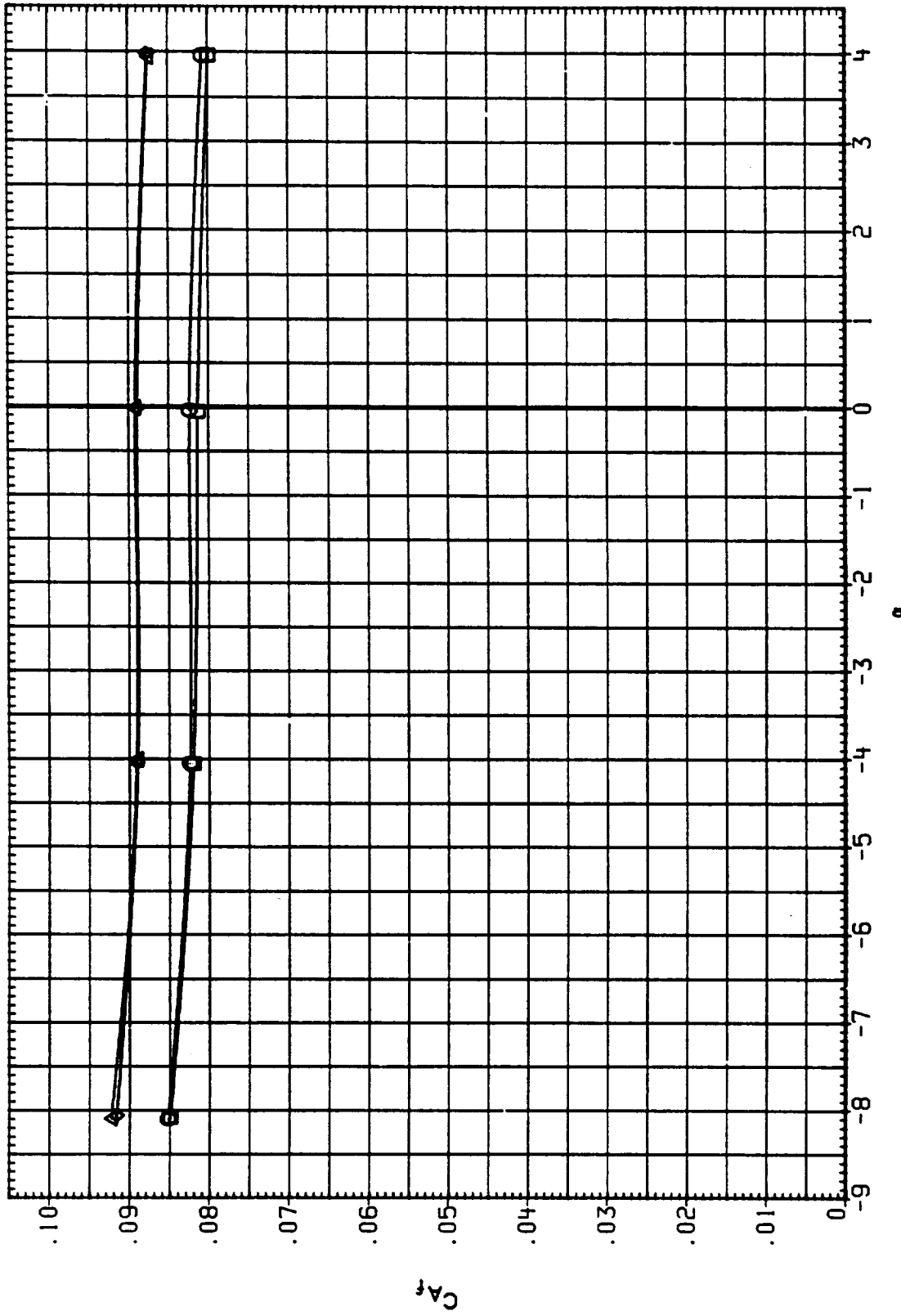


FIG. 6 EFFECT OF ELEVON SCHEDULES
LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

RC	Symbol	IA613A1AEDC	16TF-829)	B/L	OT	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.
RC0076	□	IA613A1AEDC	16TF-829)	B/L	OT	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.
RC0078	◇	IA613A1AEDC	16TF-829)	B/L	OT	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.
RC00A6	△	IA613A1AEDC	16TF-829)	B/L	OT	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.
RC0091	△	IA613A1AEDC	16TF-829)	B/L	OT	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.
RC0093	△	IA613A1AEDC	16TF-829)	B/L	OT	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.
RC0089	△	IA613A1AEDC	16TF-829)	B/L	OT	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.	ASRM.	PLUMES	SI.

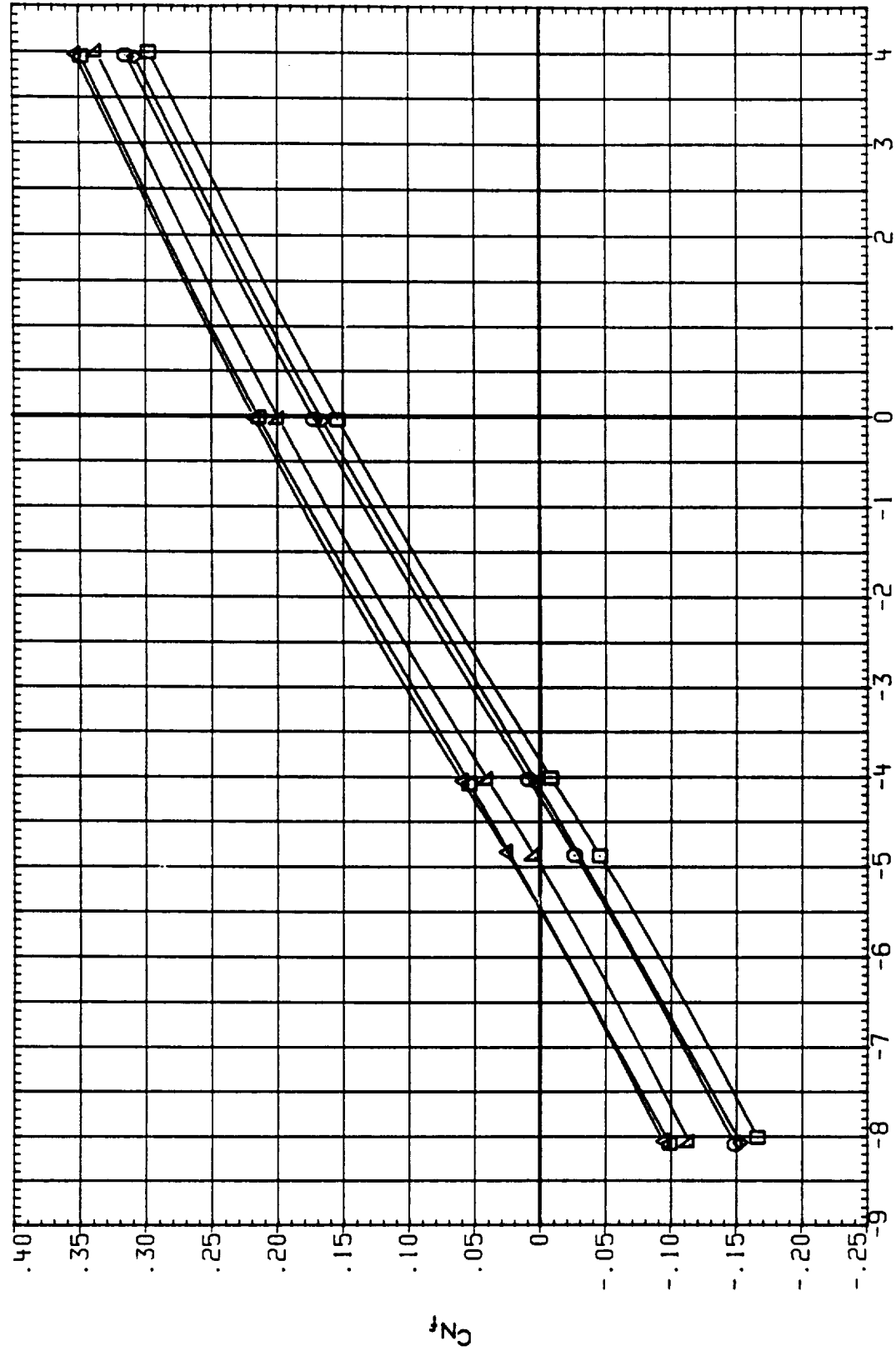


FIG. 6 EFFECT OF ELEVON SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LEVEL	RELEV	RELEV
RC0076	IA613A(AEDC 161F-829) B/L OT * ASRM, PLUMES OFF	1.400	BOTTOM	10.000	5.000
RC0078	IA613A(AEDC 161F-829) B/L OT * ASRM, PLUMES OFF	1.400	BOTTOM	10.000	-5.000
RC00A6	IA613A(AEDC 161F-829) B/L OT * ASRM, PLUMES OFF	1.400	BOTTOM	8.000	5.000
RC0091	IA613A(AEDC 161F-829) B/L OT * ASRM+PLUMES S1.3	1.400	BOTTOM	10.000	5.000
RC0093	IA613A(AEDC 161F-829) B/L OT * ASRM+PLUMES S1.3	1.400	BOTTOM	10.000	-5.000
RC0099	IA613A(AEDC 161F-829) B/L OT * ASRM+PLUMES S1.3	1.400	BOTTOM	8.000	5.000

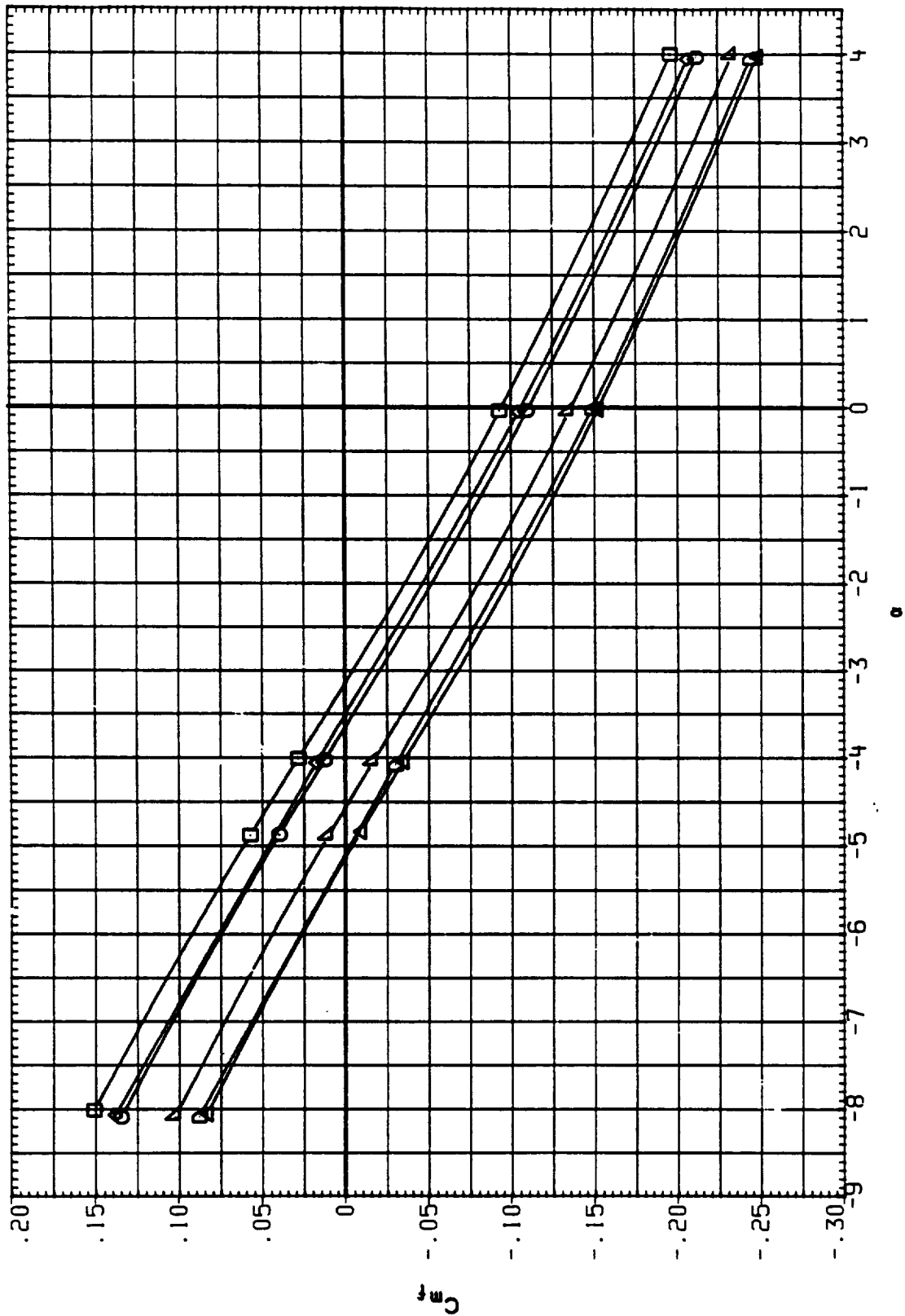


FIG. 6 EFFECT OF ELEVON SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	TF	MASS	LEAS-A	LEAS-B	LEAS-C
RC0076	IA613A1AEDC 161F-829) B/L OT + ASRM, PLU	F	1.400	10.000	10.000	5.000
RC0078	IA613A1AEDC 161F-829) B/L OT + ASRM, PLU	F	1.400	10.000	10.000	5.000
RC00A6	IA613A1AEDC 161F-829) B/L OT + ASRM, PLU	F	1.400	10.000	10.000	5.000
RC0091	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	F	1.400	10.000	10.000	5.000
RC0093	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	F	1.400	10.000	10.000	5.000
RC00B9	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	F	1.400	10.000	10.000	5.000

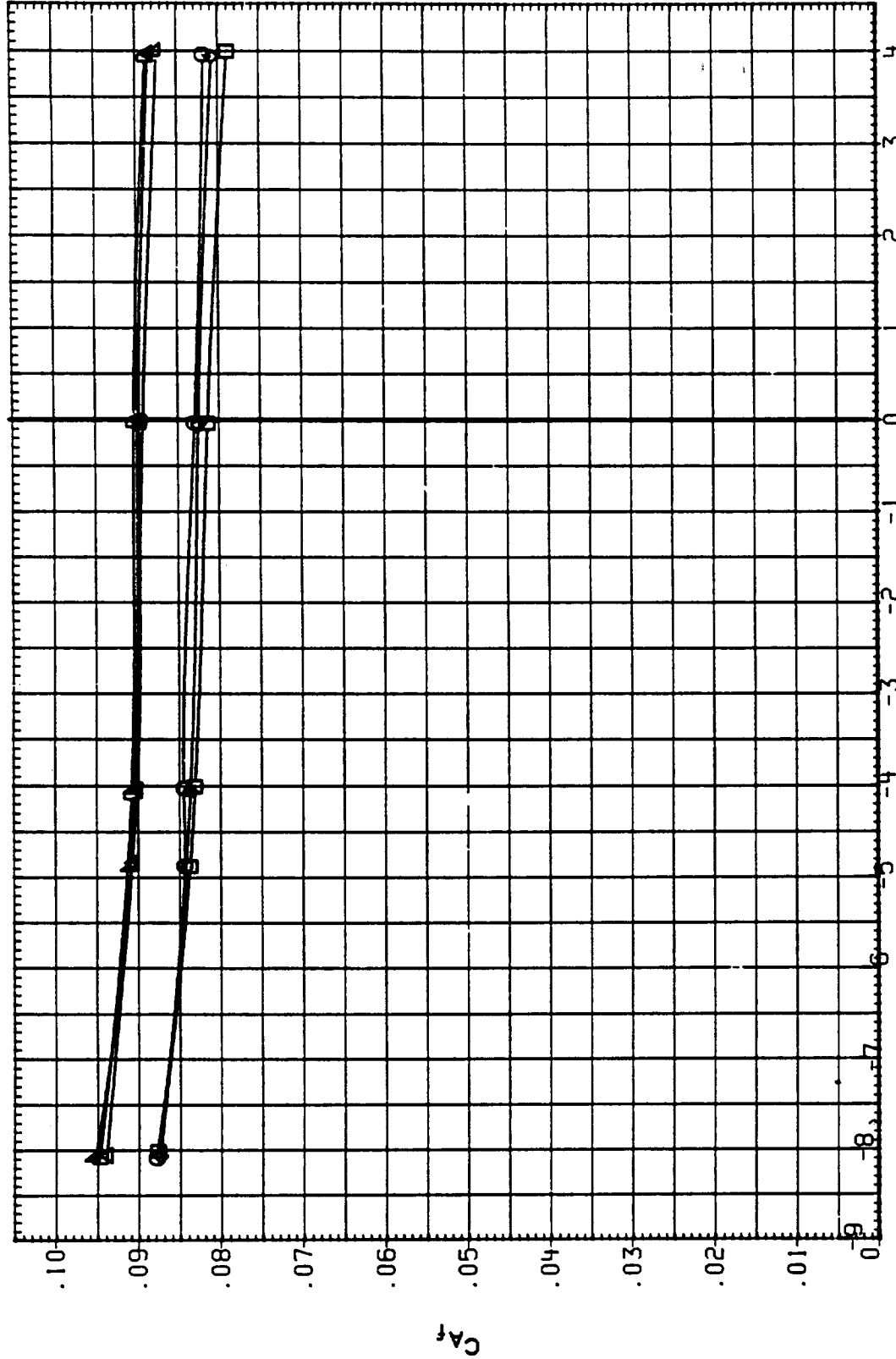


FIG. 6 EFFECT OF ELEVON SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

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DATA SET SYMBOL

CONFIGURATION

MACH

IE-ELV

IB-ELV

OB-ELV

RC0077
RC0079
RC00A7
RC0092
RC0094
RC00C0

IA613A1AEDC 161F-829) B/L 01 + ASRM, PLUMES OFF
IA613A1AEDC 161F-829) B/L 01 + ASRM, PLUMES OFF
IA613A1AEDC 161F-829) B/L 01 + ASRM, PLUMES OFF
IA613A1AEDC 161F-829) B/L 01 + ASRM+PLUMES SI.3
IA613A1AEDC 161F-829) B/L 01 + ASRM+PLUMES SI.3
IA613A1AEDC 161F-829) B/L 01 + ASRM+PLUMES SI.3

1.550
1.550
1.550
1.550
1.550

BOTTOM
BOTTOM
BOTTOM
BOTTOM
BOTTOM

10.000
10.000
8.000
10.000
10.000

5.000
-5.000
5.000
-5.000
5.000

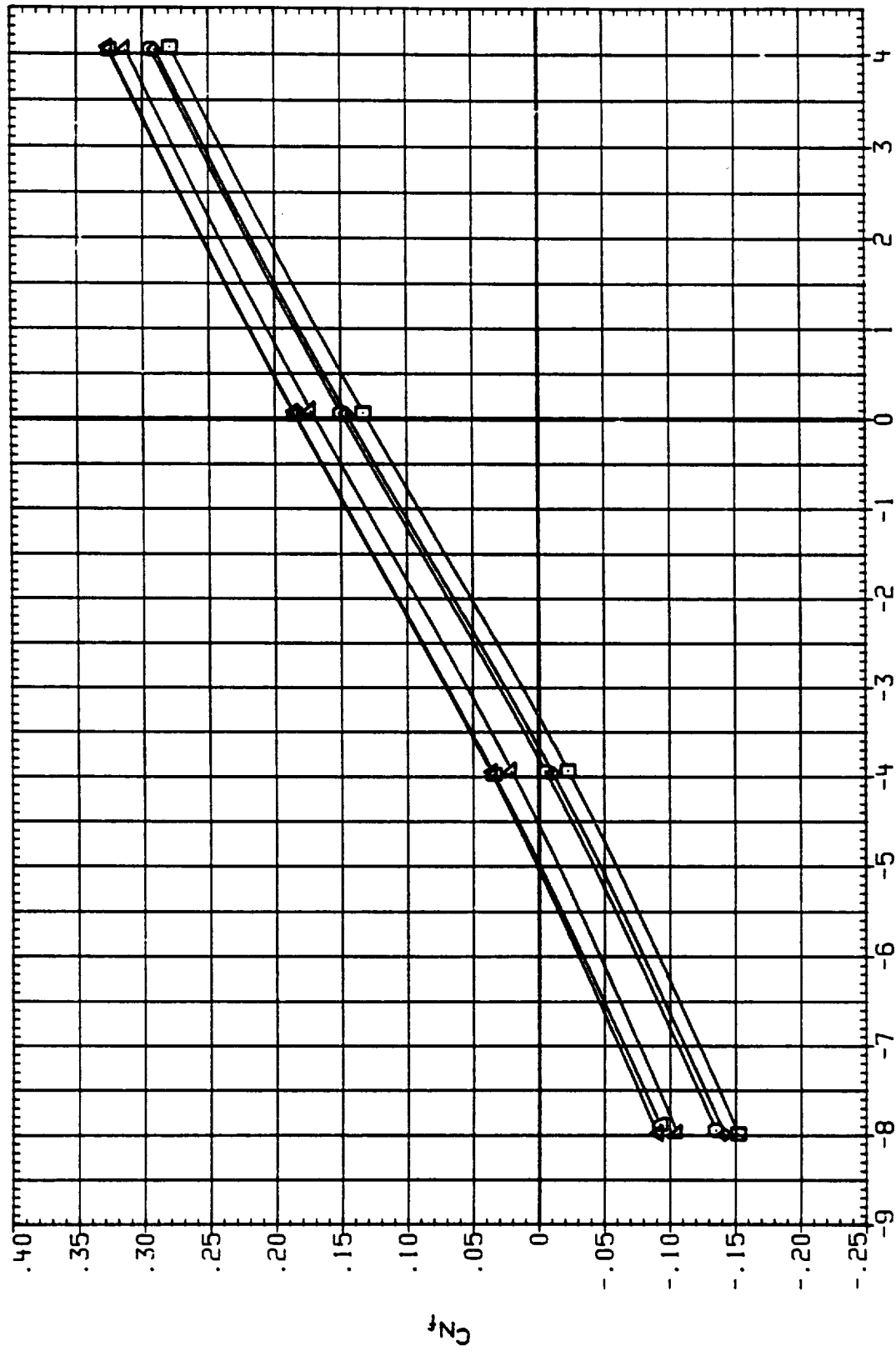


FIG. 6 EFFECT OF ELELVN SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	1E-BOX	1B-ELV	OB-ELV
RC0077	IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.550	BOTTOM	10.000	5.000
RC0079	IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.550	BOTTOM	10.000	-5.000
RC00A7	IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.550	BOTTOM	8.000	5.000
RC0092	IAB13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.550	BOTTOM	10.000	5.000
RC0094	IAB13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.550	BOTTOM	10.000	-5.000
RC00C0	IAB13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.550	BOTTOM	8.000	5.000

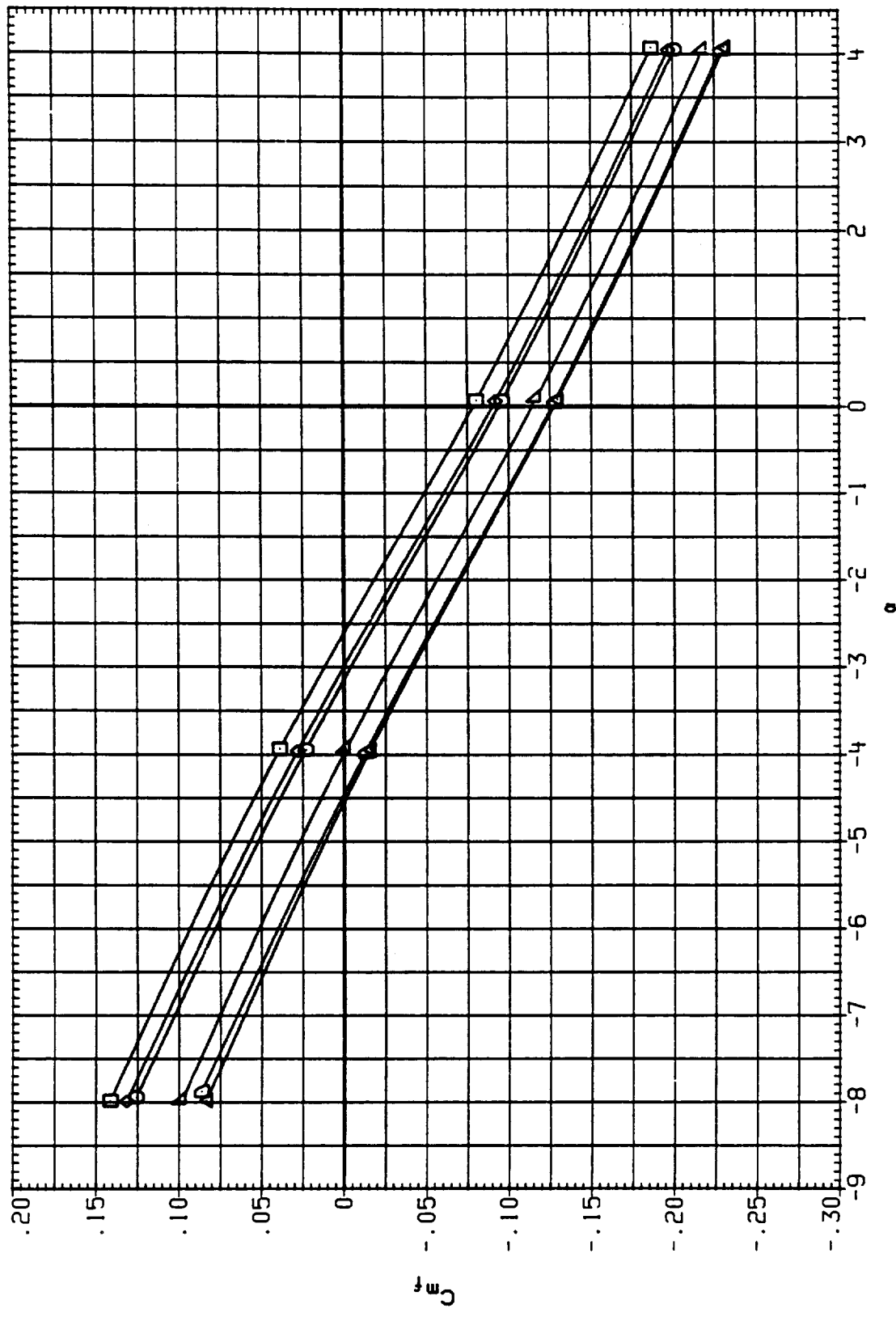
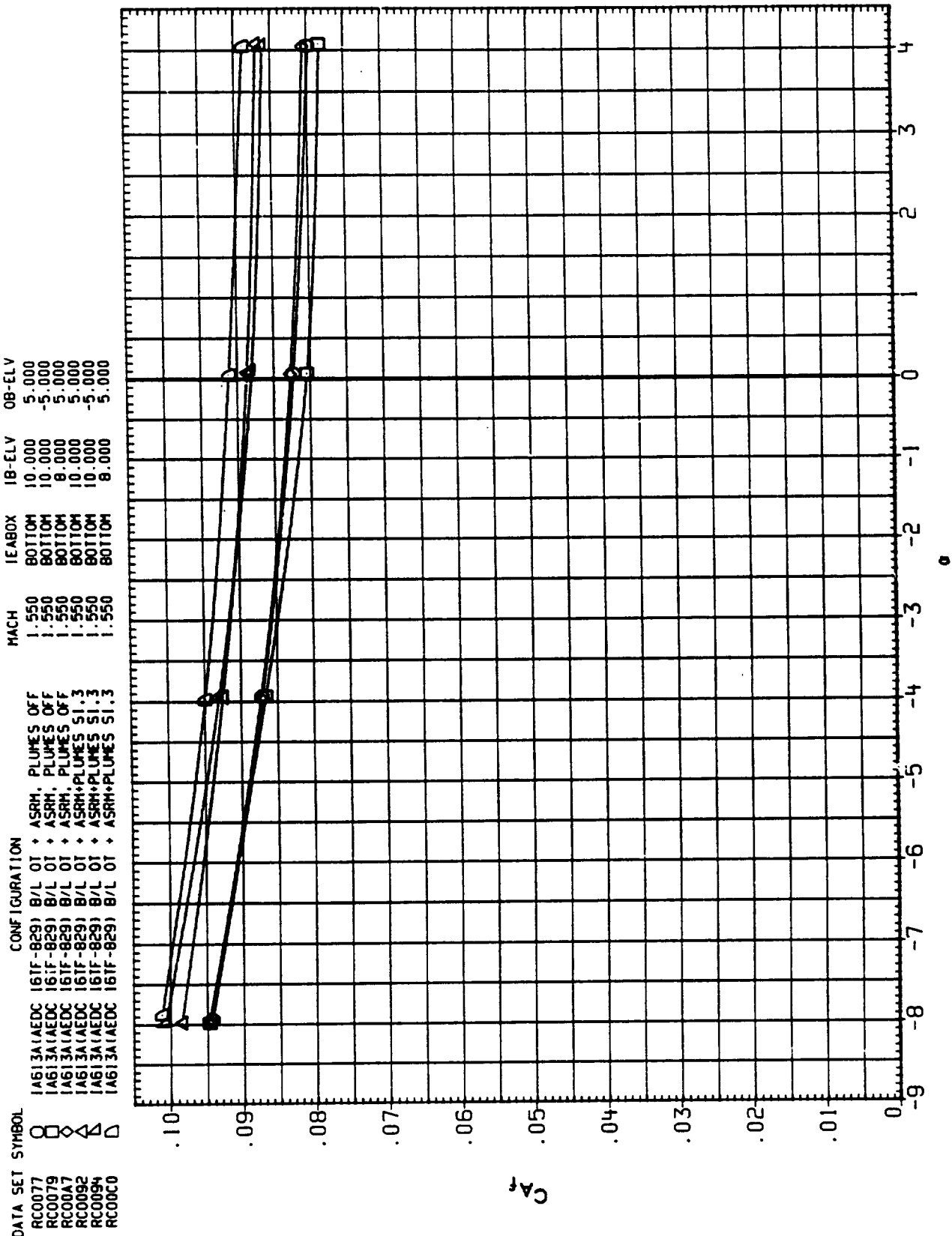


FIG. 6 EFFECT OF ELEVEN SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00



DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0077	□	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.550	BOTTOM	10.000	5.000
RC0079	◇	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.550	BOTTOM	10.000	-5.000
RC00A7	△	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.550	BOTTOM	8.000	5.000
RC0092	△	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.550	BOTTOM	10.000	5.000
RC0094	△	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.550	BOTTOM	10.000	-5.000
RC00C0	△	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.550	BOTTOM	8.000	5.000

FIG. 6 EFFECT OF ELEVON SCHEDULES LONGITUDINAL CHARACTERISTICS

(A) BETA = .00

DATA SET SYMBOL

SC0065 □ IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
 SC0095 ◇ IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
 SC0080 △ IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
 SC00A8 △ IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH .600
 .600
 .600

IE/ABOX BOTTOM
 BOTTOM
 BOTTOM

IB-ELV 10.000
 8.000
 10.000

OB-ELV 9.000
 9.000
 9.000

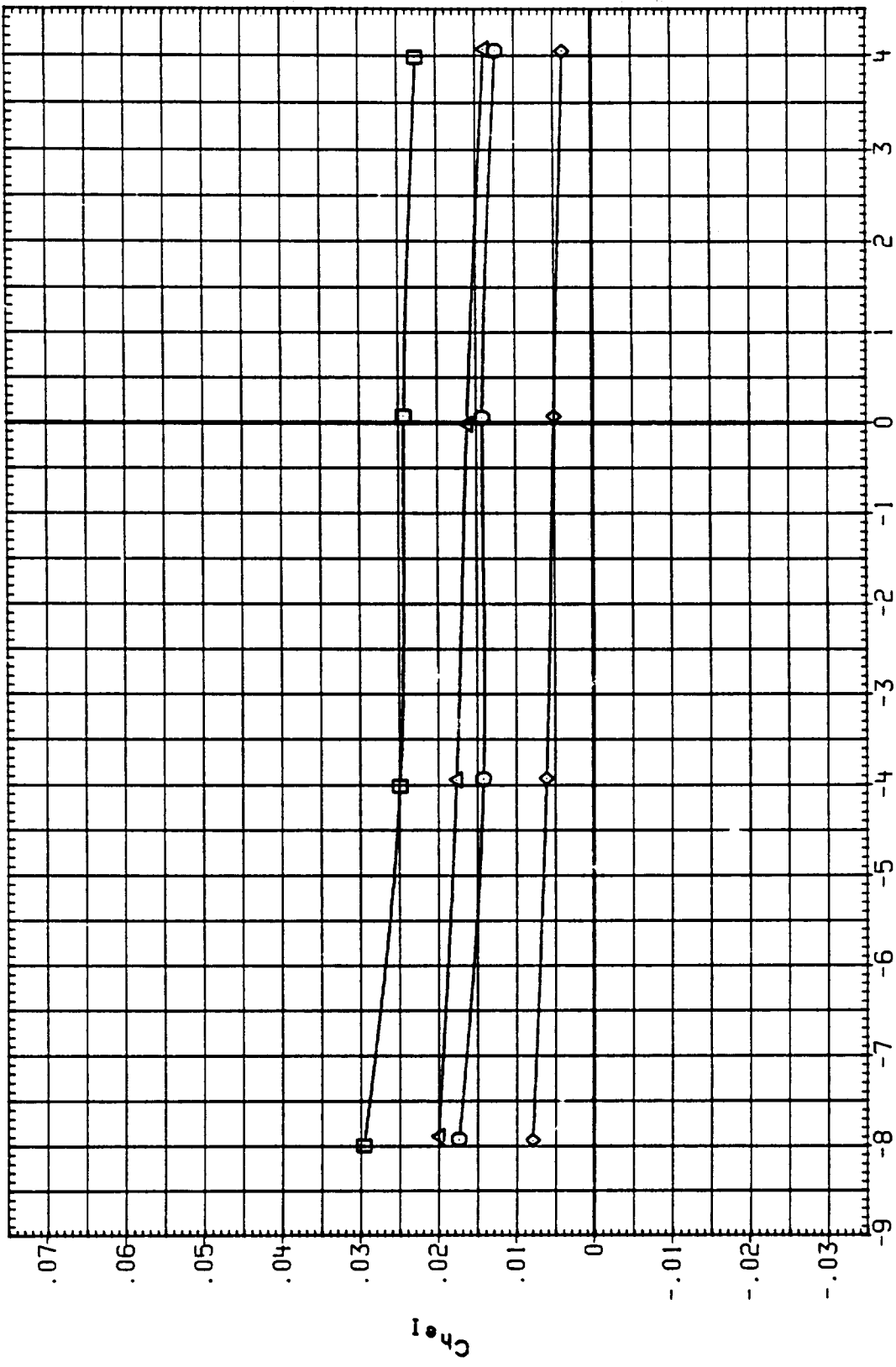


FIG. 7 EFFECT OF ELEVON SCHEDULES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0085	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.600	BOTTOM	10.000	9.000
SC0095	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.600	BOTTOM	8.000	9.000
SC0080	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.2	.600	BOTTOM	10.000	9.000
SC00AB	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.2	.600	BOTTOM	8.000	9.000

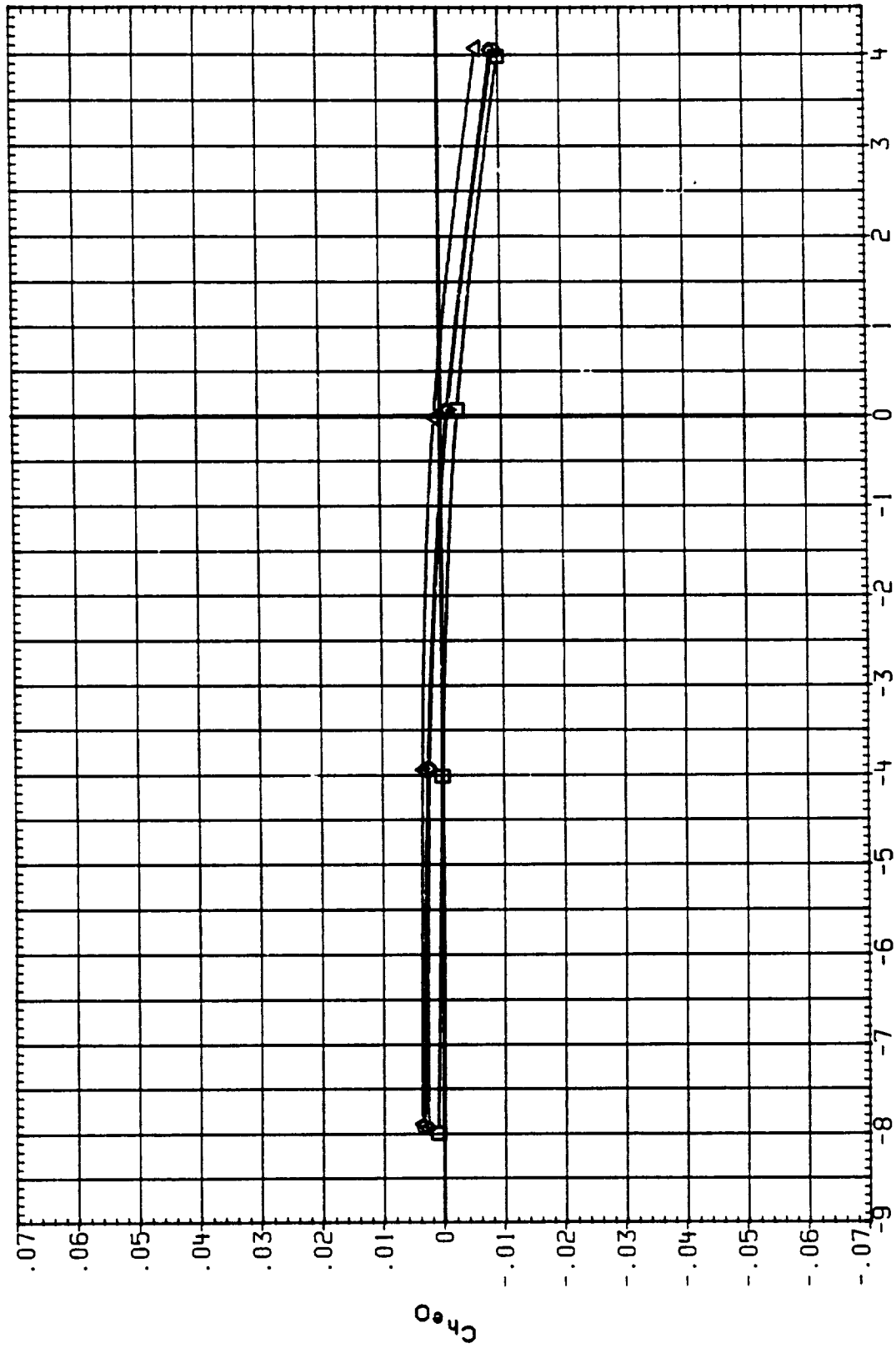


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LE-BOX	IB-ELV	OB-ELV
SC0065	IAG13A1AEDC 16TF-829) B/L 01 + ASRM, PLUMES OFF	.600	BOTTOM	10.000	9.000
SC0095	IAG13A1AEDC 16TF-829) B/L 01 + ASRM, PLUMES OFF	.600	BOTTOM	8.000	9.000
SC0080	IAG13A1AEDC 16TF-829) B/L 01 + ASRM+PLUMES S1.2	.600	BOTTOM	10.000	9.000
SC00AB	IAG13A1AEDC 16TF-829) B/L 01 + ASRM+PLUMES S1.2	.600	BOTTOM	8.000	9.000

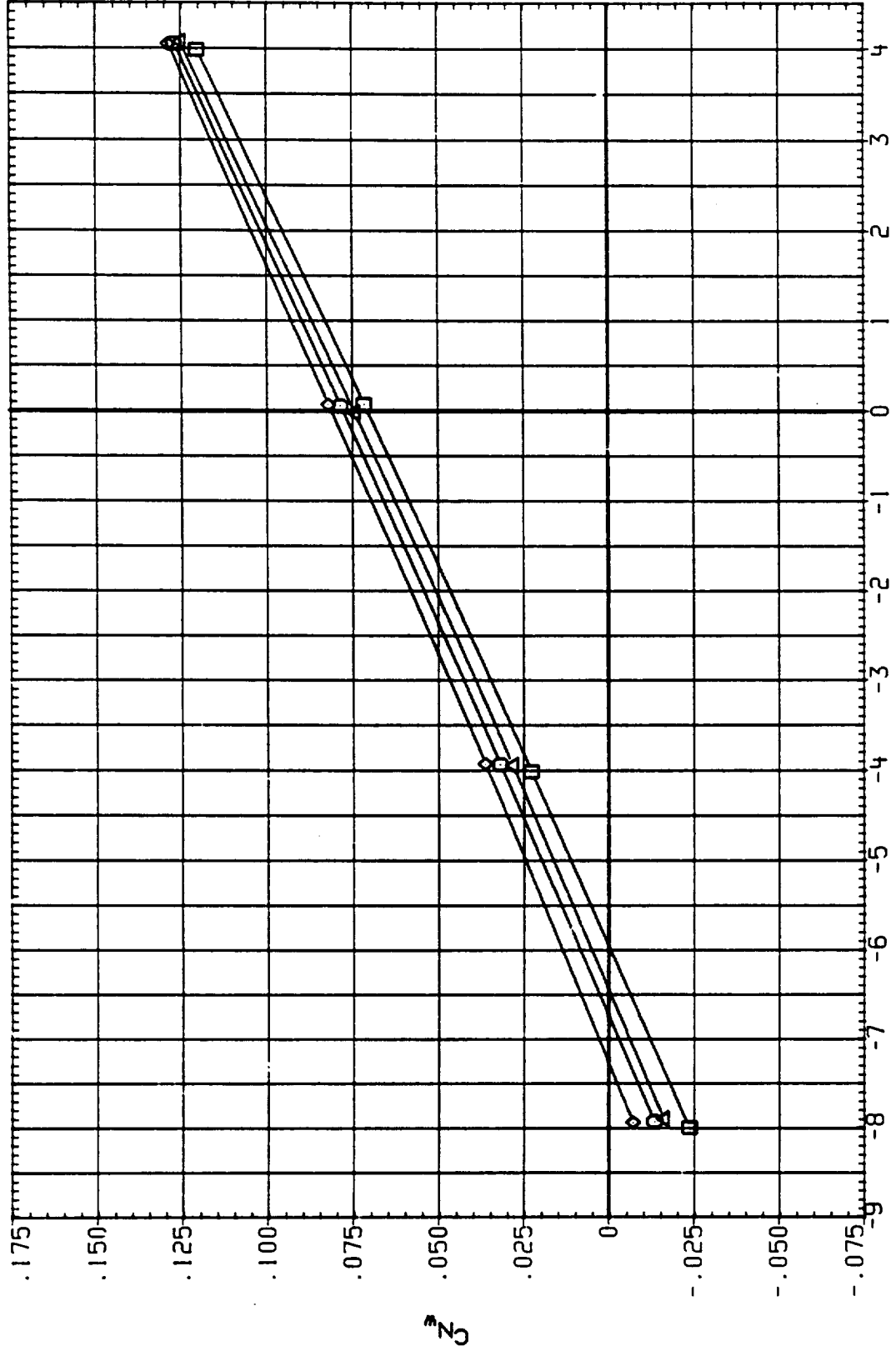


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
SC0055	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	BOTTOM	10.000	9.000
SC0095	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	BOTTOM	8.000	9.000
SC0090	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	BOTTOM	10.000	9.000
SC00A8	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	BOTTOM	8.000	9.000

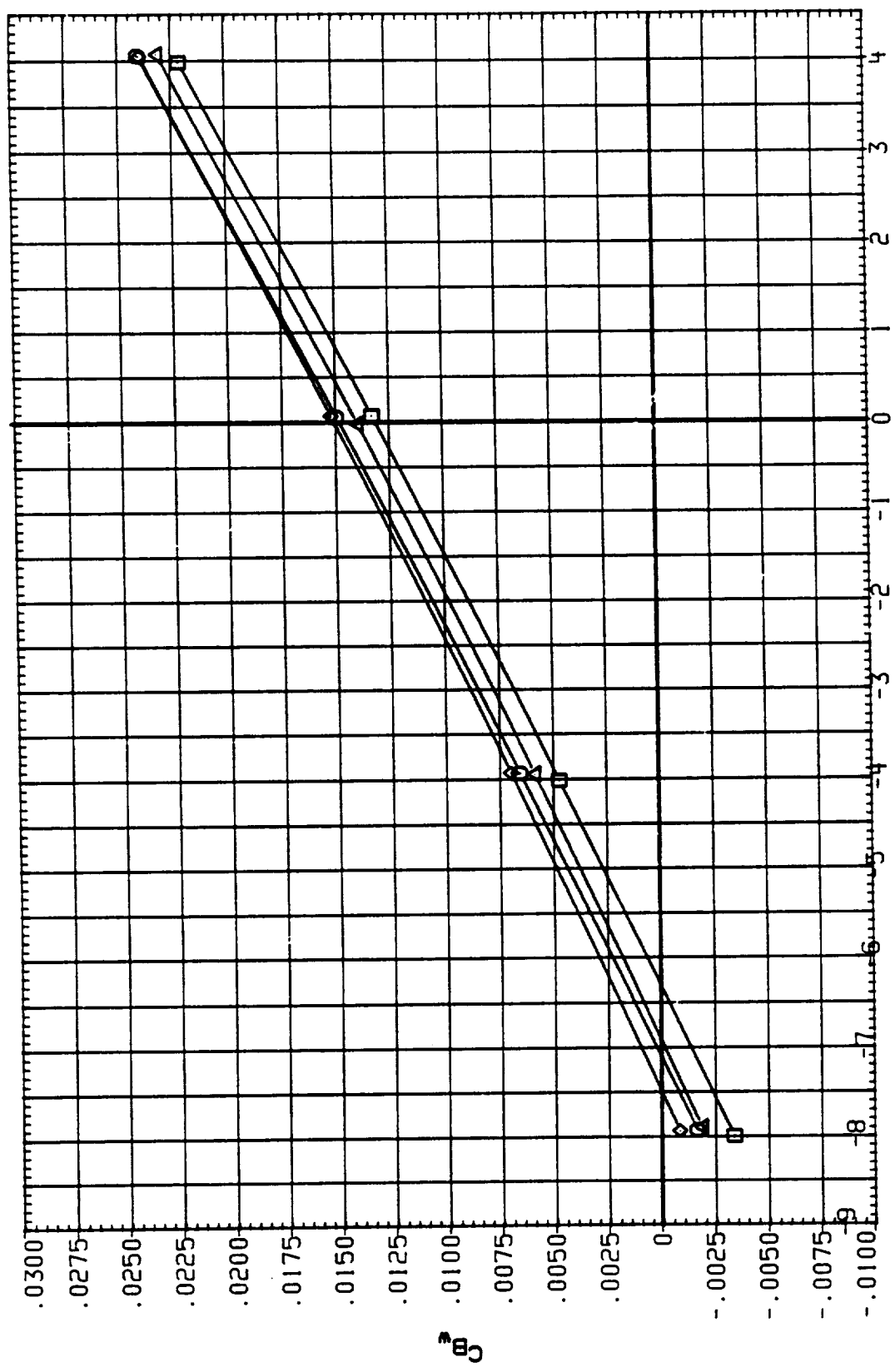


FIG. 7 EFFECT OF ELEVON SCHEDULES WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0065 \square
 SC0095 \square
 SC0080 \diamond
 SC00A8 \triangle

CONFIGURATION

IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES
 IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
 IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
 IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH

.600
 .600
 .600
 .600

IEABOX

BOTTOM
 BOTTOM
 BOTTOM
 BOTTOM

IB-ELV

10.000
 8.000
 10.000
 8.000

OB-ELV

9.000
 9.000
 9.000
 9.000

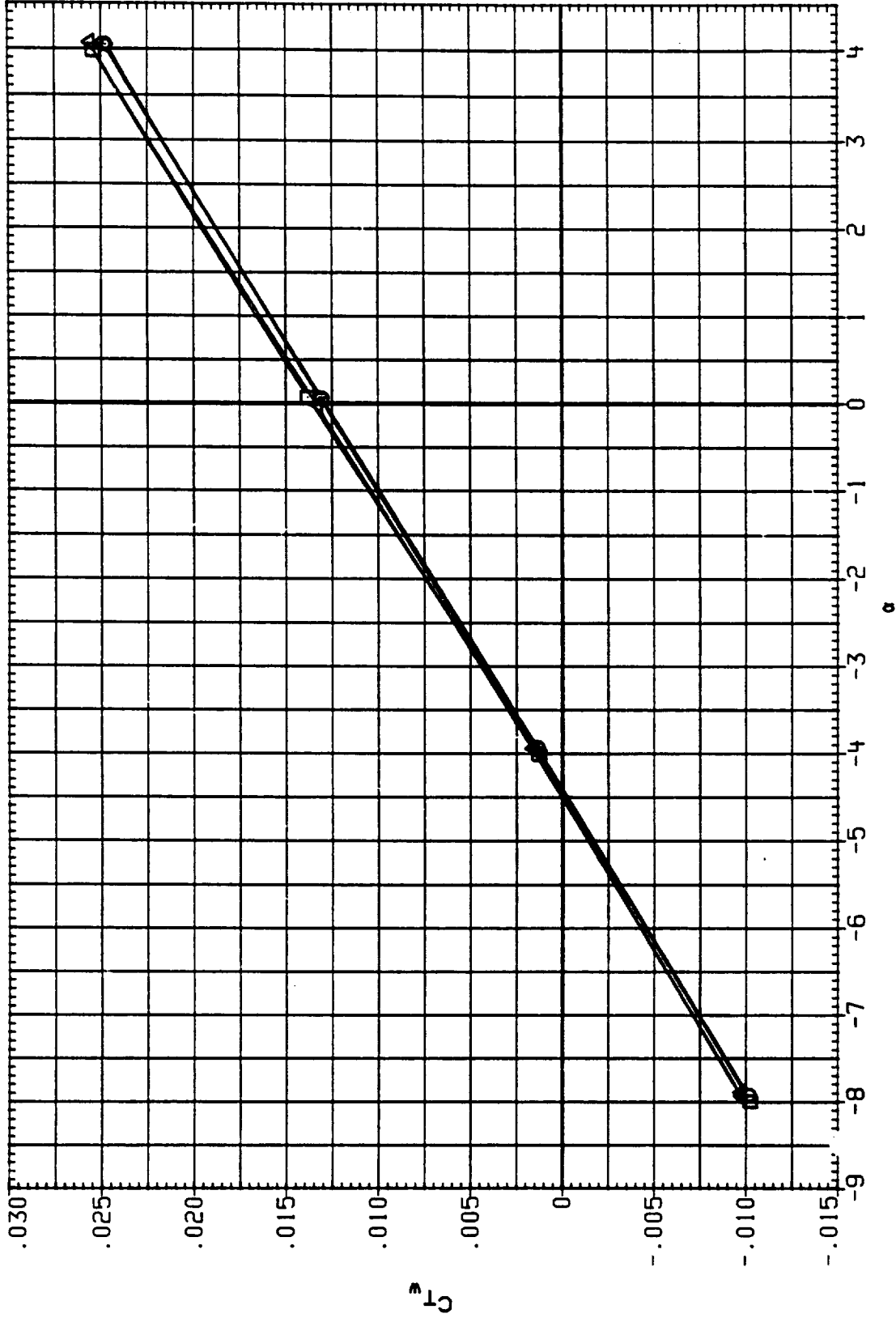


FIG. 7 EFFECT OF ELEVEN SCHEDULES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-BOX	IB-ELV	OB-ELV
SC0066	I A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	10.000	9.000
SC0096	I A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	8.000	9.000
SC0081	I A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.800	BOTTOM	10.000	9.000
SC00A9	I A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.800	BOTTOM	8.000	9.000

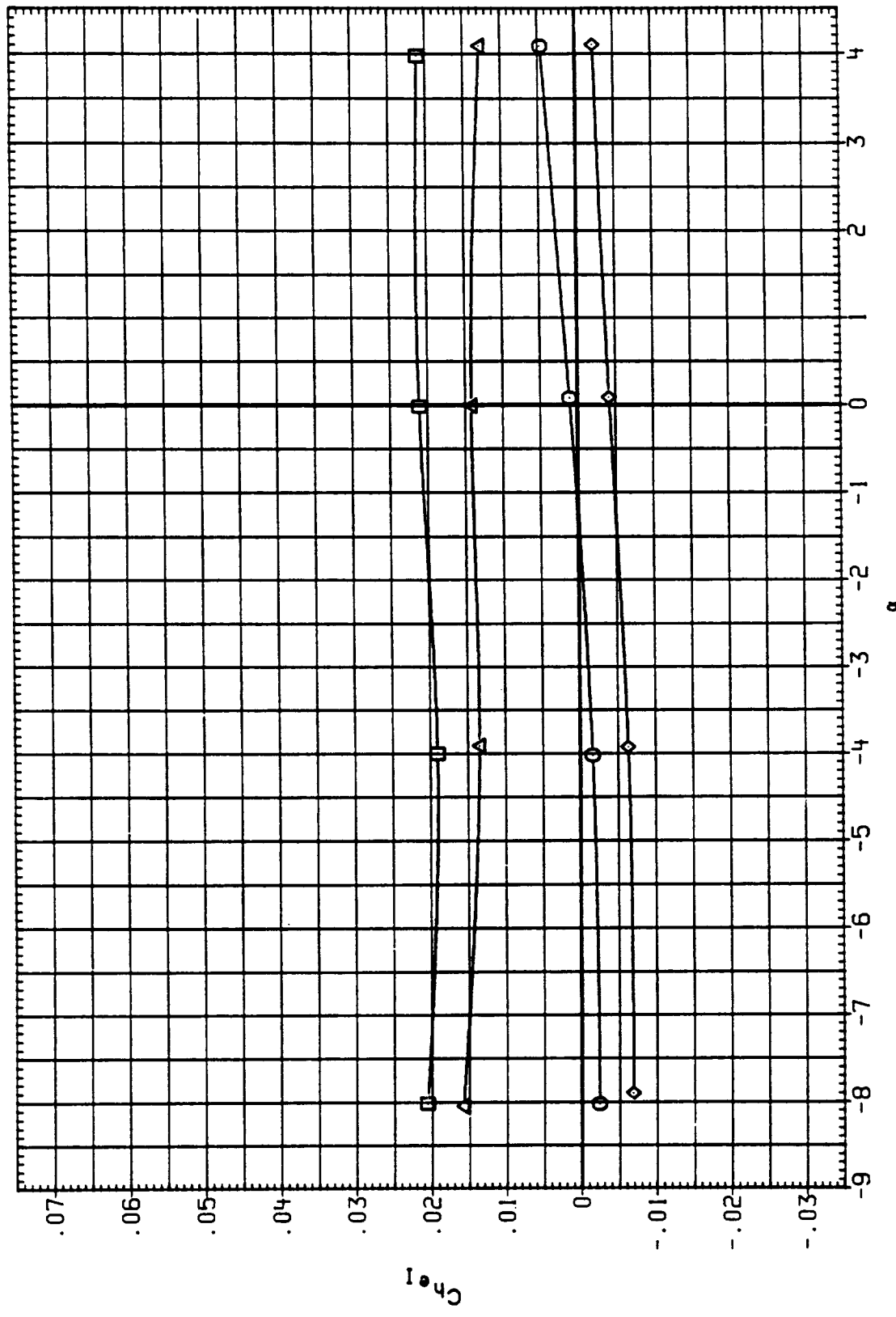


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0066
SC0096
SC0081
SC00A9

CONF IGURATION

I A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OF,
I A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OF,
I A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
I A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH .800
MACH .800
MACH .800
MACH .800

IE-BOX BOTTOM
IE-BOX BOTTOM
IE-BOX BOTTOM
IE-BOX BOTTOM

IB-ELV 10.000
IB-ELV 8.000
IB-ELV 10.000
IB-ELV 8.000

OB-ELV 9.000
OB-ELV 9.000
OB-ELV 9.000
OB-ELV 9.000

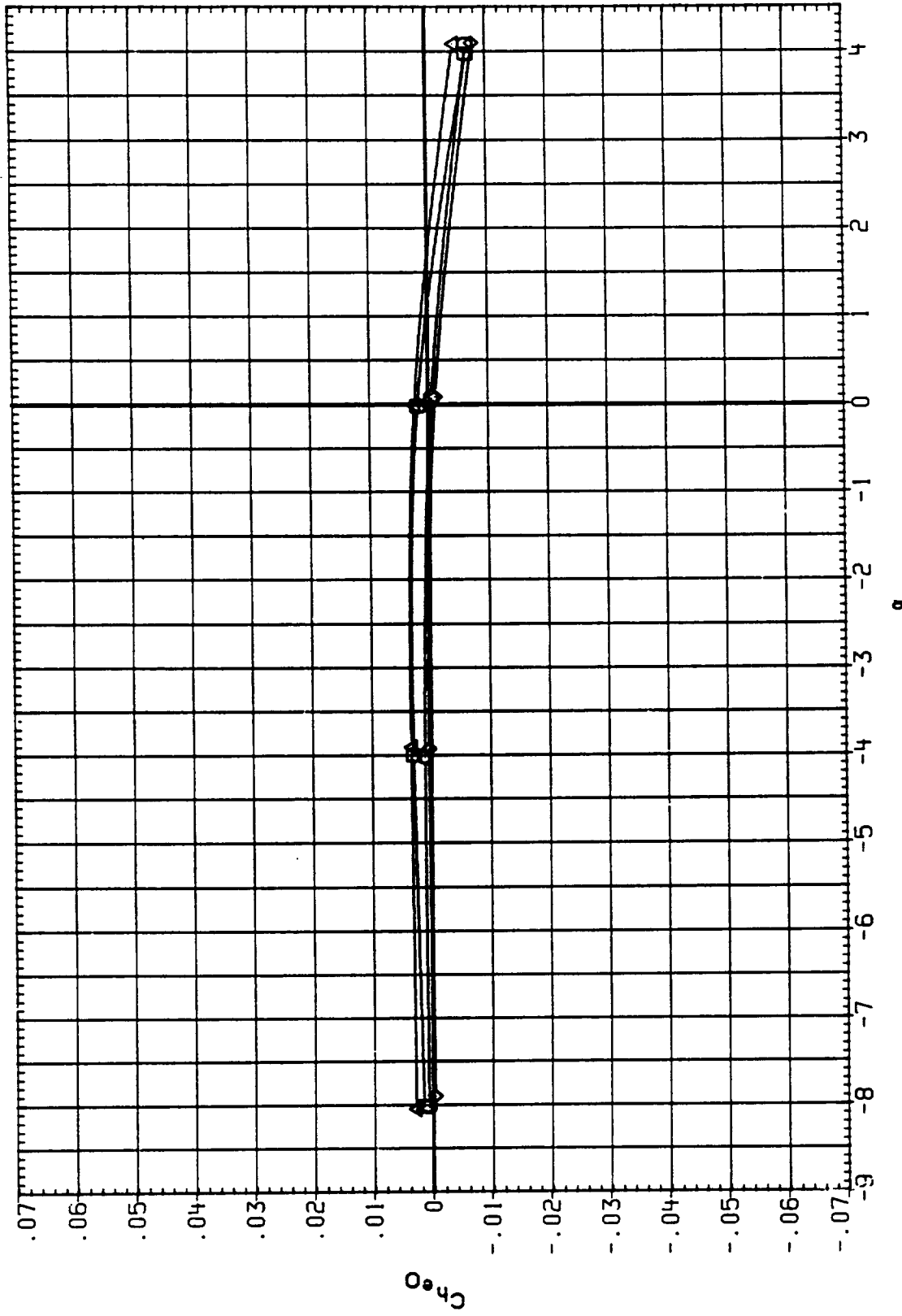


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IE-BOX	IE-ELV	OB-ELV
SC0066	□	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	10.000	9.000
SC0096	◇	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	8.000	9.000
SC0081	◇	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.800	BOTTOM	10.000	9.000
SC00A9	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.800	BOTTOM	8.000	9.000

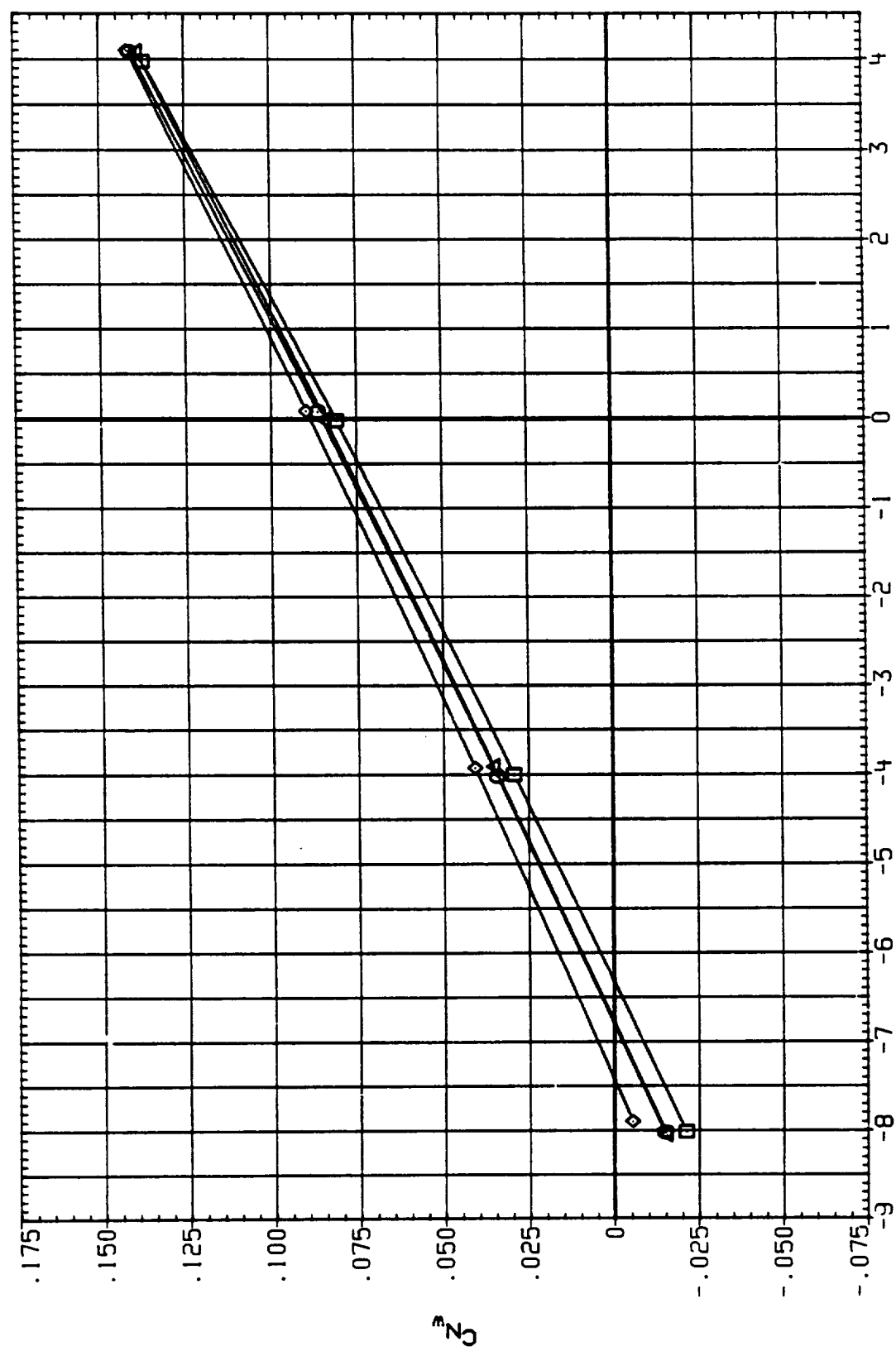


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	IACH	IE-BOX	IB-ELV	OB-ELV
SC0066	IAG13A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	10.000	9.000
SC0096	IAG13A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	8.000	9.000
SC0081	IAG13A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.800	BOTTOM	10.000	9.000
SC0019	IAG13A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.800	BOTTOM	8.000	9.000

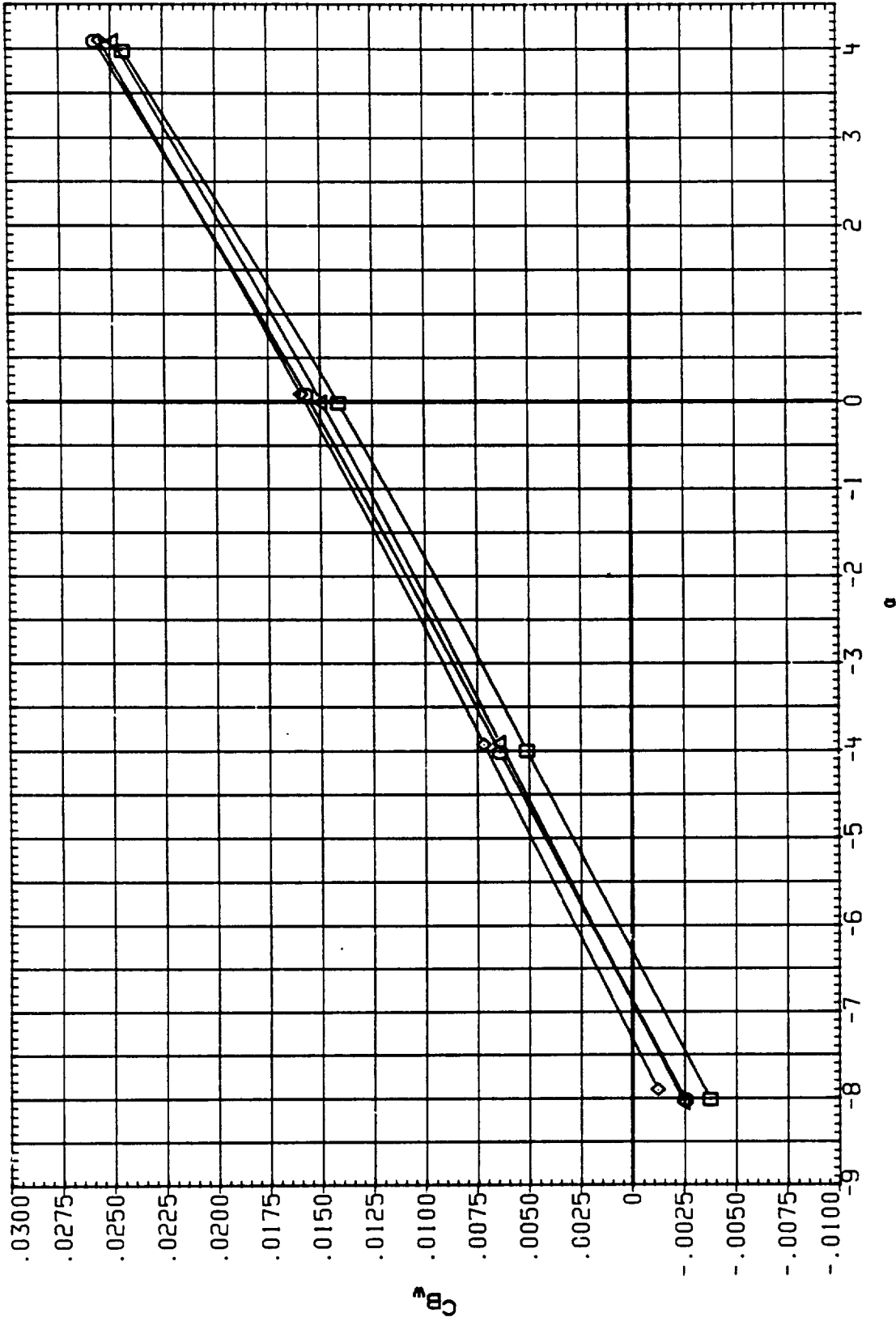


FIG. 7 EFFECT OF ELEVON SCHEDULES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0066	I A61 3A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	10.000	9.000
SC0096	I A61 3A1AEDC 16:F-829) B/L OT + ASRM, PLUMES OFF	.800	BOTTOM	8.000	9.000
SC0081	I A51 3A1AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.2	.800	BOTTOM	10.000	9.000
SC00A9	I A61 3A1AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.2	.800	BOTTOM	8.000	9.000

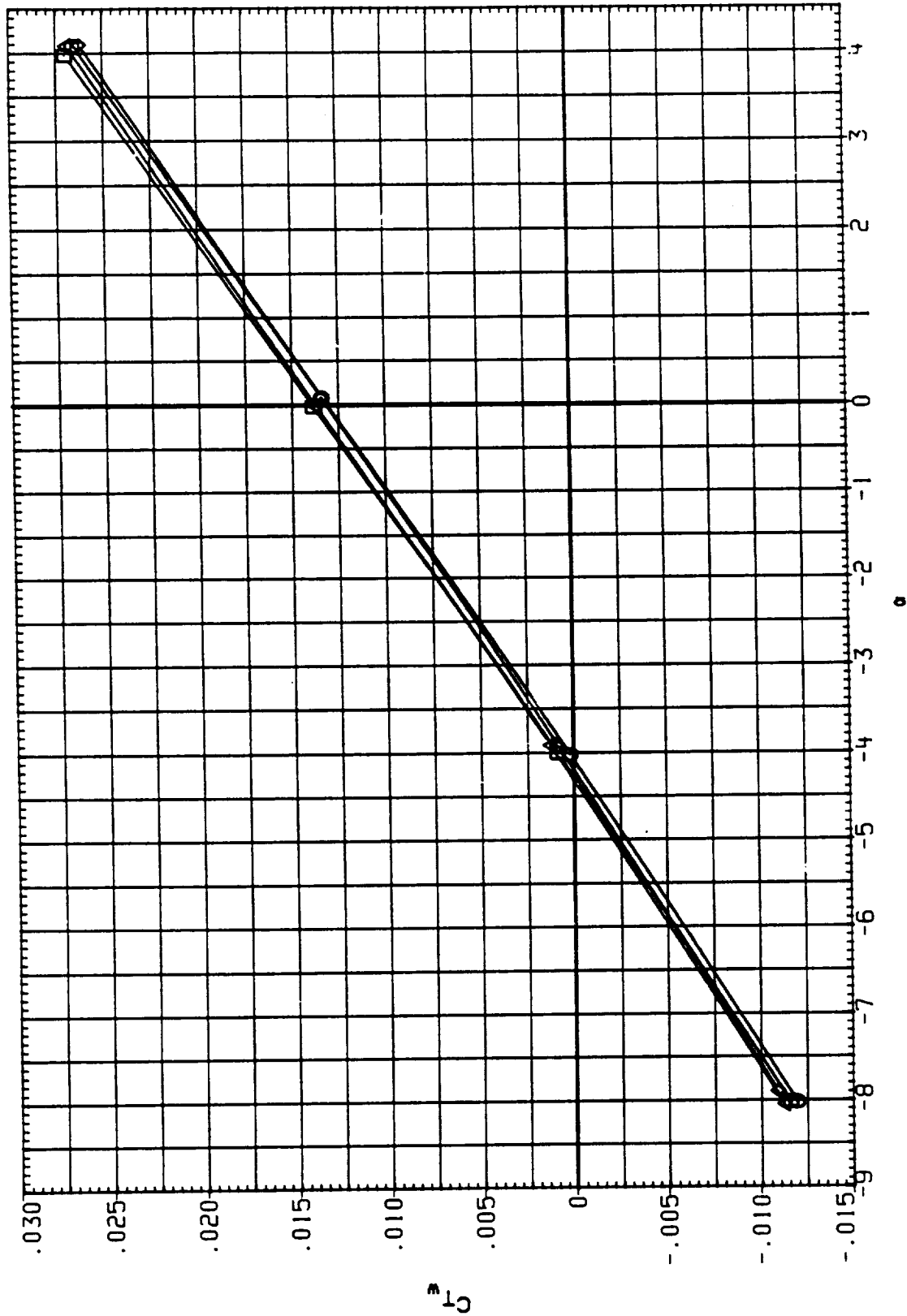


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL
 SC0067 □
 SC0097 ○
 SC0082 ◇
 SC0080 △

CONFIGURATION

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
 IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
 IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.2
 IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES 51.2

ACH IEABOX IB-ELV OB-ELV
 .900 BOTTOM 10.000 9.000
 .900 BOTTOM 8.000 9.000
 .900 BOTTOM 10.000 9.000
 .900 BOTTOM 8.000 9.000

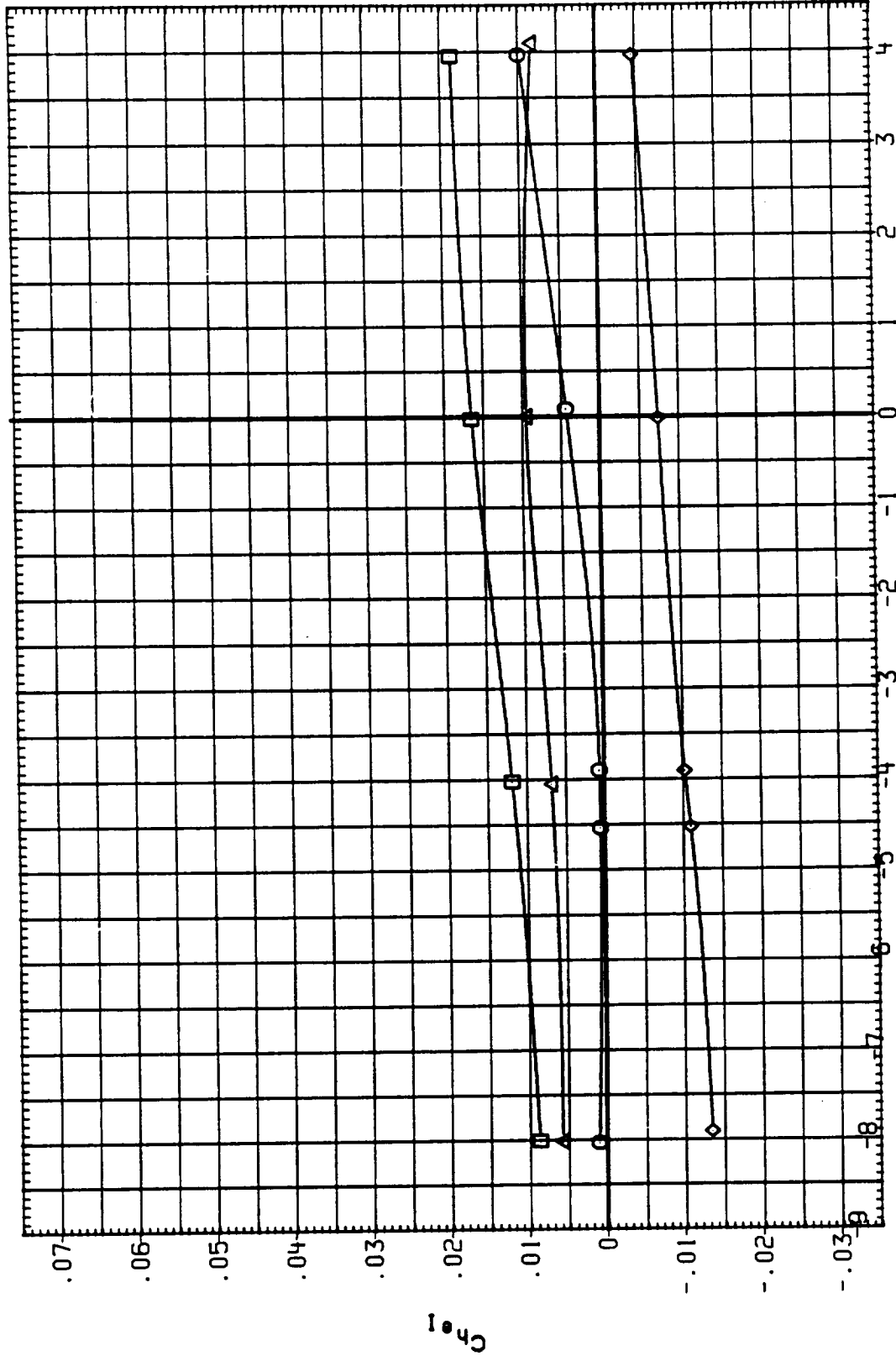


FIG. 7 EFFECT OF ELEVON SCHEDULES
 WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELY	OB-ELY
SC0067	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.900	BOTTOM	10.000	9.000
SC0097	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.900	BOTTOM	8.000	9.000
SC0082	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES SI.2	.900	BOTTOM	10.000	9.000
SC0080	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES SI.2	.900	BOTTOM	8.000	9.000

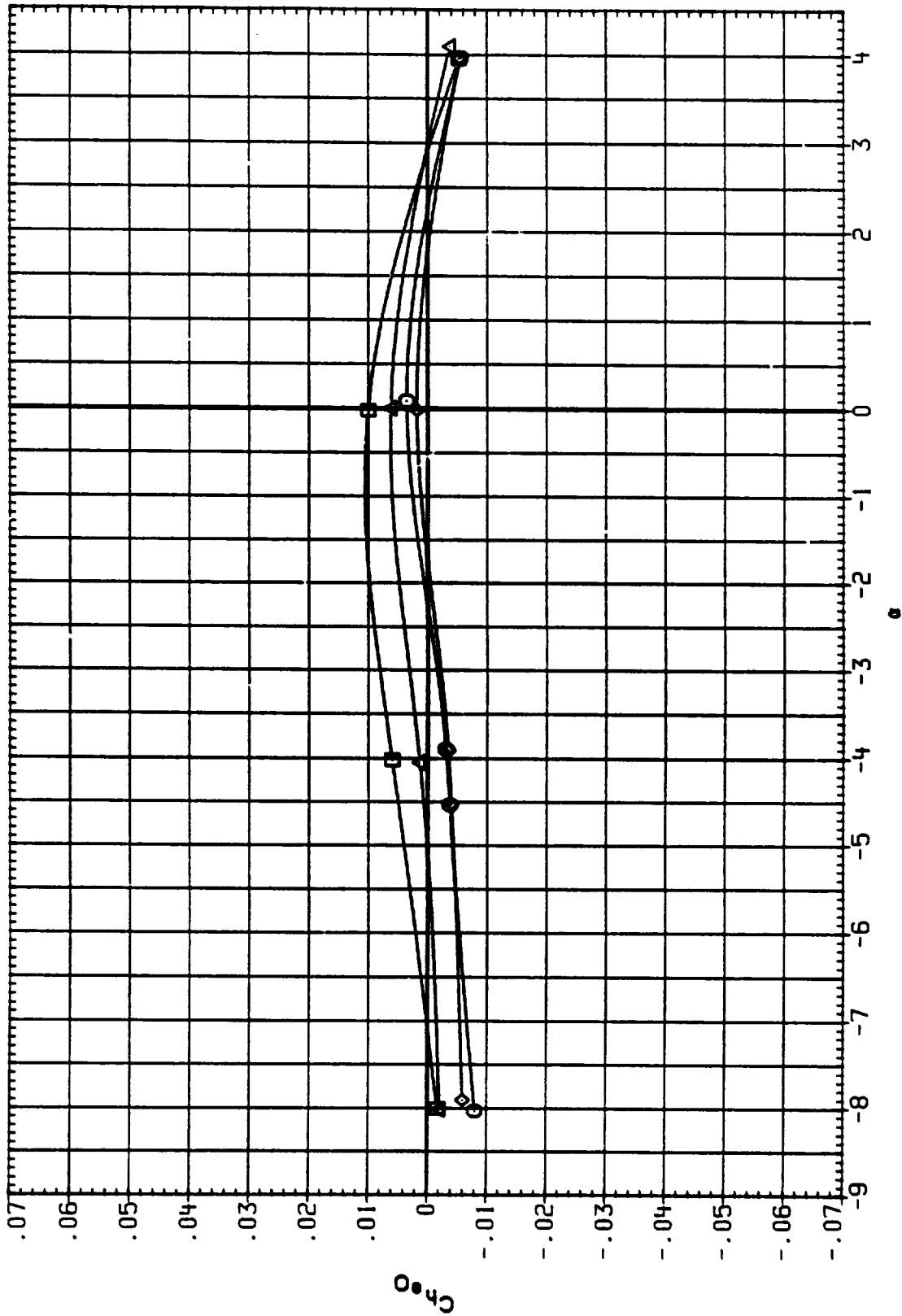


FIG. 7 EFFECT OF ELEVEN SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0067
SC0097
SC0082
SC0080

CONFIGURATION

IAG13A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
IAG13A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
IAG13A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2
IAG13A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

MACH

.900
.900
.900
.900

IEABOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

IB-ELV

10.000
8.000
10.000
8.000

OB-ELV

9.000
9.000
9.000
9.000

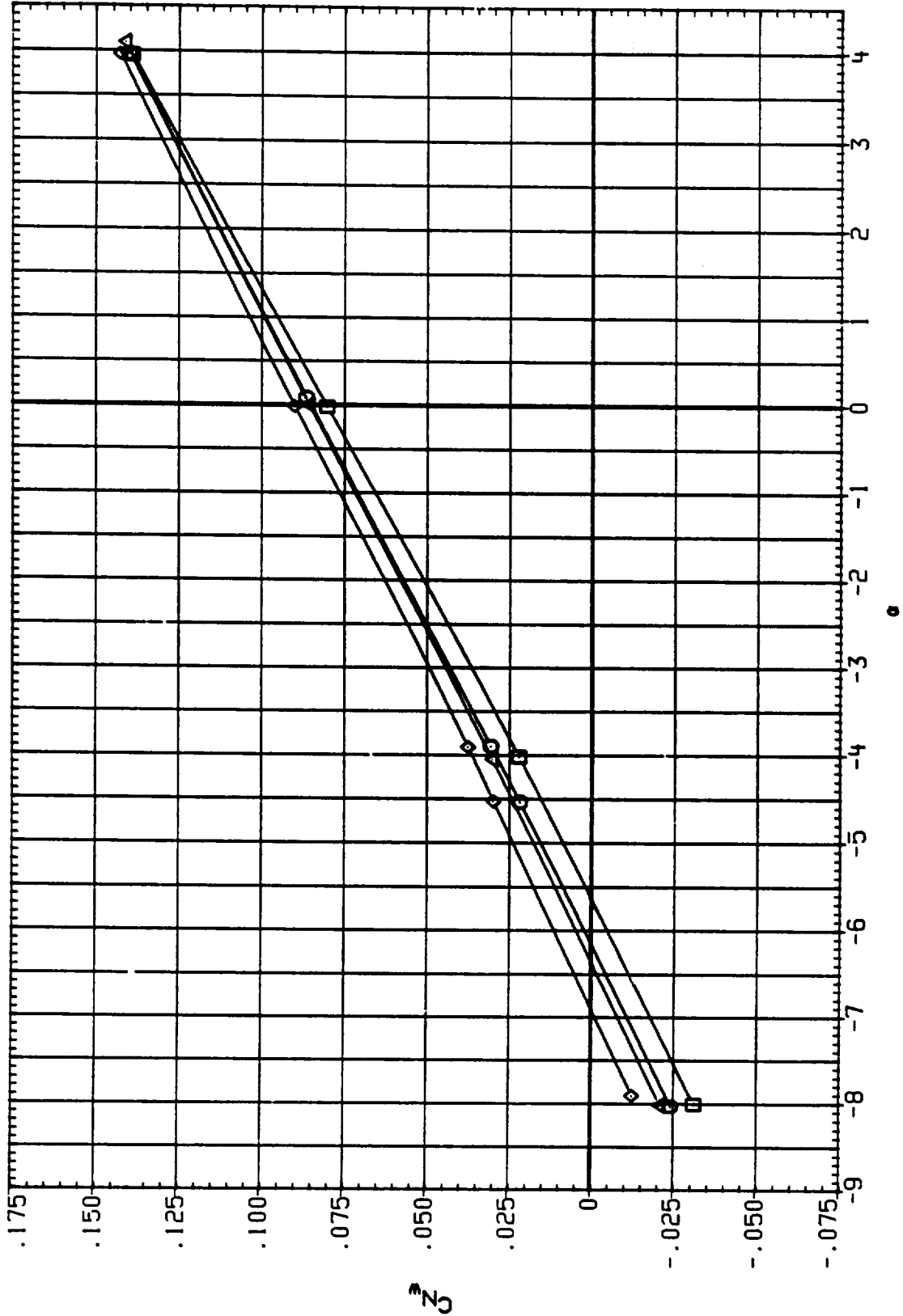


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-ABOX	IB-ELV	OB-ELV
SC0067	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.900	BOTTOM	10.000	9.000
SC0097	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.900	BOTTOM	8.000	9.000
SC0082	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.900	BOTTOM	10.000	9.000
SC0080	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.900	BOTTOM	8.000	9.000

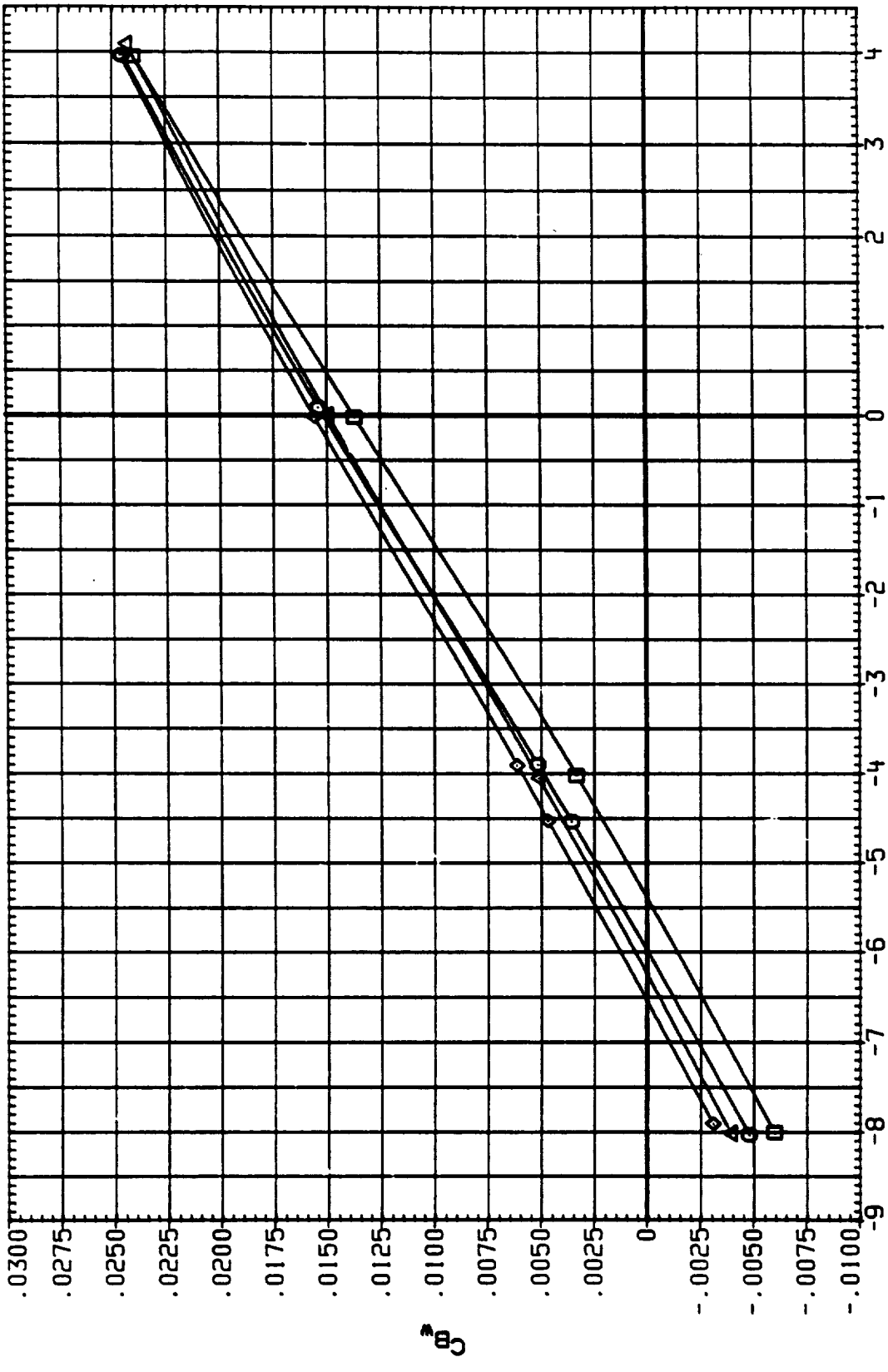


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELY	CS-ELY
SC0067	IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES	.900	80110H	10.000	9.000
SC0097	IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES	.900	80110H	8.000	9.000
SC0082	IAB13A1AEDC 161F-829) B/L OT + ASRM+PLUMES 51.5	.900	80110H	10.000	9.000
SC0080	IAB13A1AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2	.900	80110H	8.000	9.000

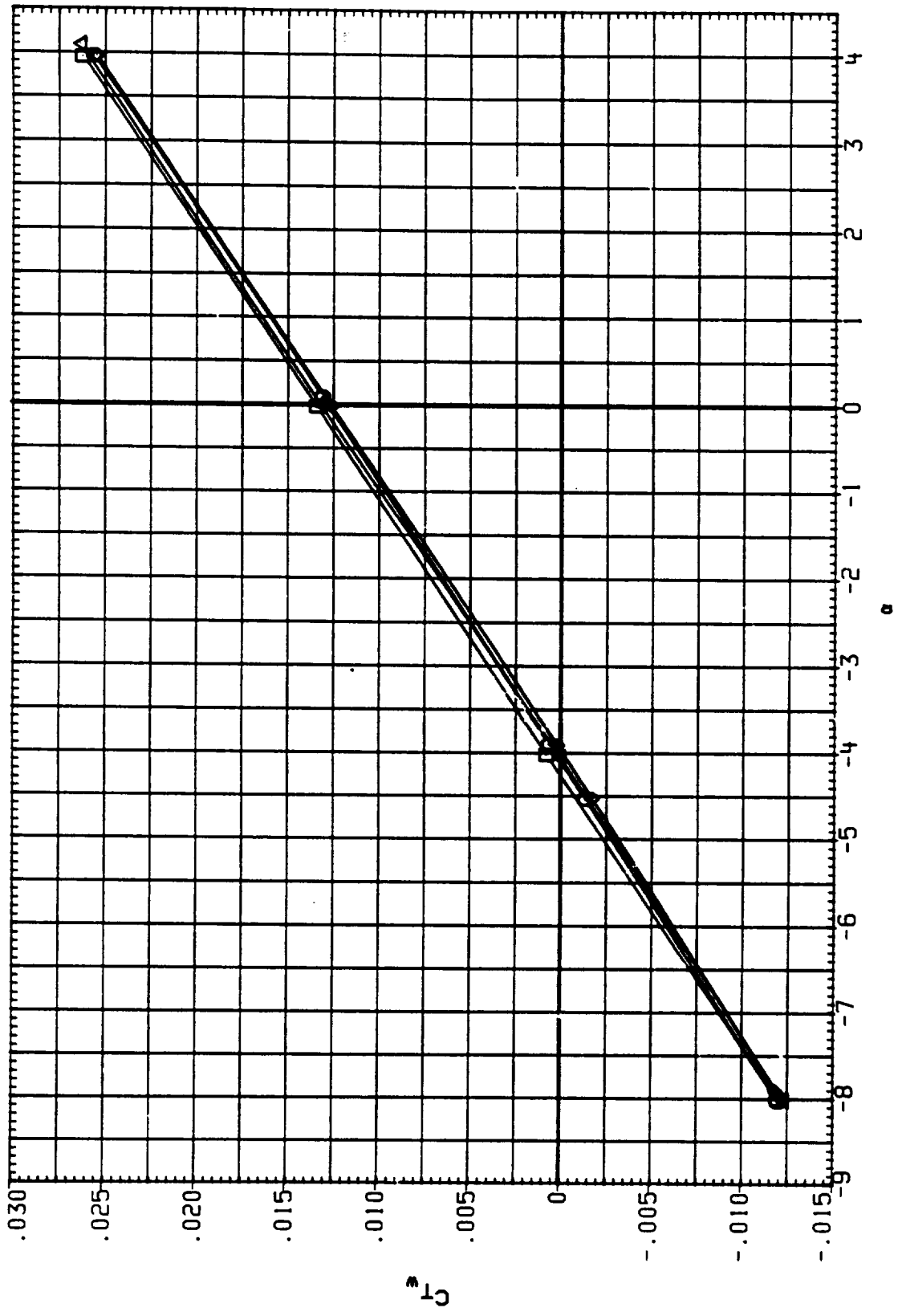


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-BOX	IB-ELV	OB-ELV
SC0069	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.950	BOTTOM	10.000	9.000
SC0080	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.950	BOTTOM	8.000	9.000
SC0083	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.950	BOTTOM	10.000	9.000
SC0081	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.950	BOTTOM	8.000	9.000

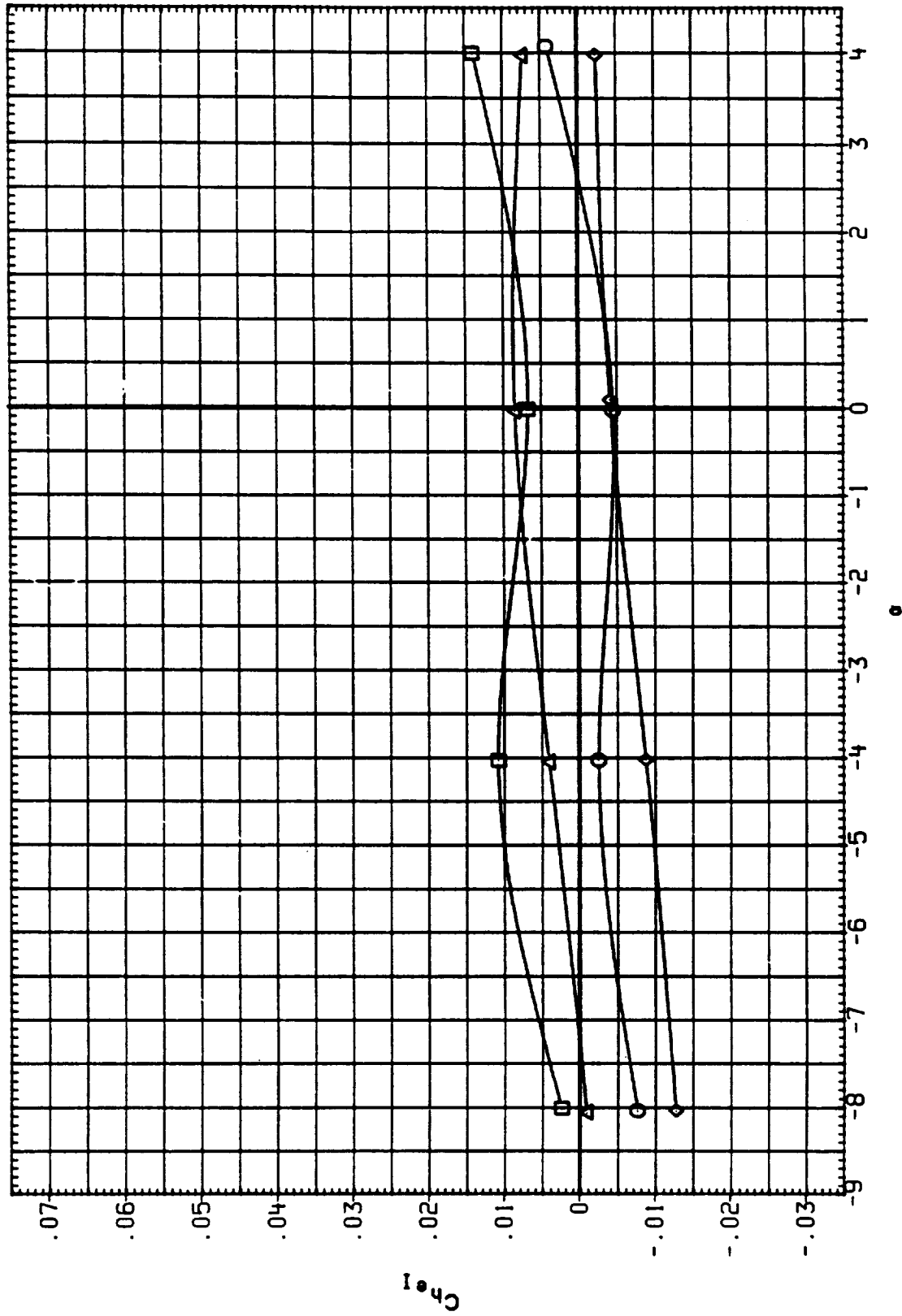


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LEABOX	18-ELV	08-ELV
SC0068	IAB13A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.950	BOTTOM	10.000	9.000
SC0098	IAB13A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.950	BOTTOM	8.000	9.000
SC0083	IAB13A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.950	BOTTOM	10.000	9.000
SC0081	IAB13A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.950	BOTTOM	8.000	9.000

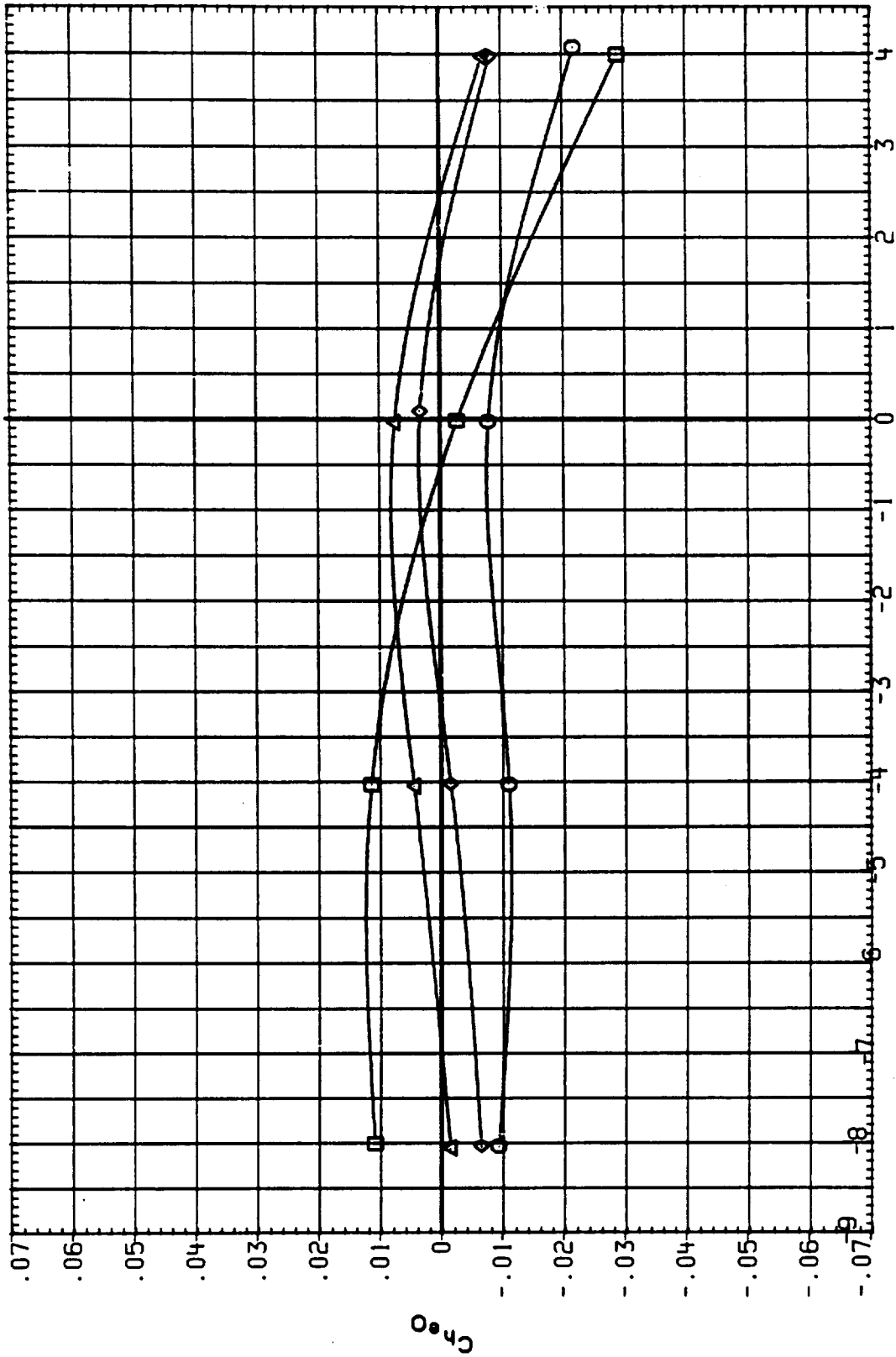


FIG. 7 EFFECT OF ELEVON SCHEDULES ON WING LOADS

SC0068 IAG13A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF .950 BOTTOM 8.000 9.000
 SC0098 IAG13A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF .950 BOTTOM 8.000 9.000
 SC0083 IAG13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 .950 BOTTOM 10.000 9.000
 SC0081 IAG13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 .950 BOTTOM 8.000 9.000

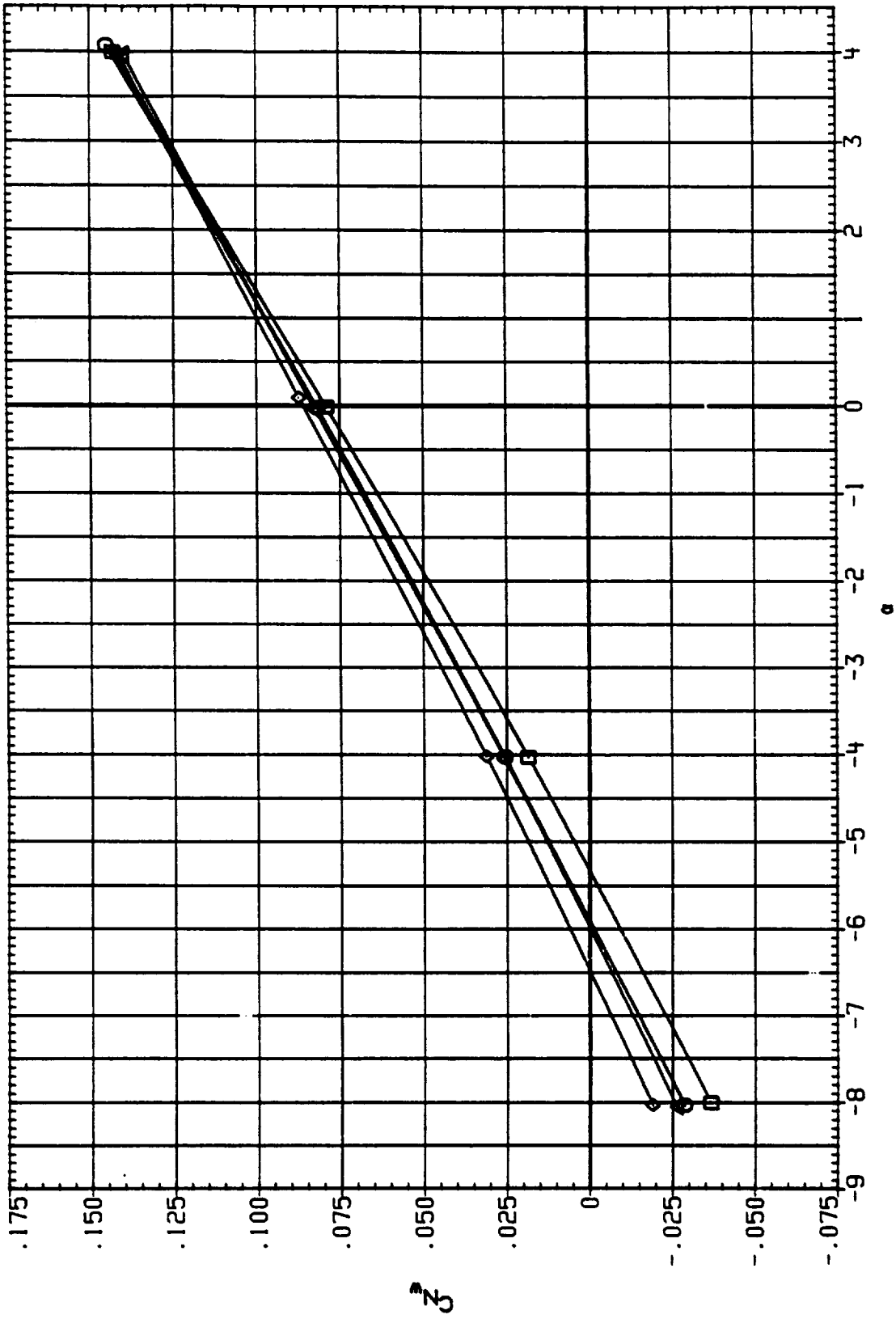


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	LEADBOX	IB ELY	OE ELY
SC0068	IA613A1AEDC 161F-829) B/L OT + ASRM, PLU	.950	BOTTOM	10.000	9.000
SC0098	IA613A1AEDC 161F-829) B/L OT + ASRM, PLU	.950	BOTTOM	8.000	9.000
SC0083	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES	.950	BOTTOM	10.000	9.000
SC0081	IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES	.950	BOTTOM	8.000	9.000

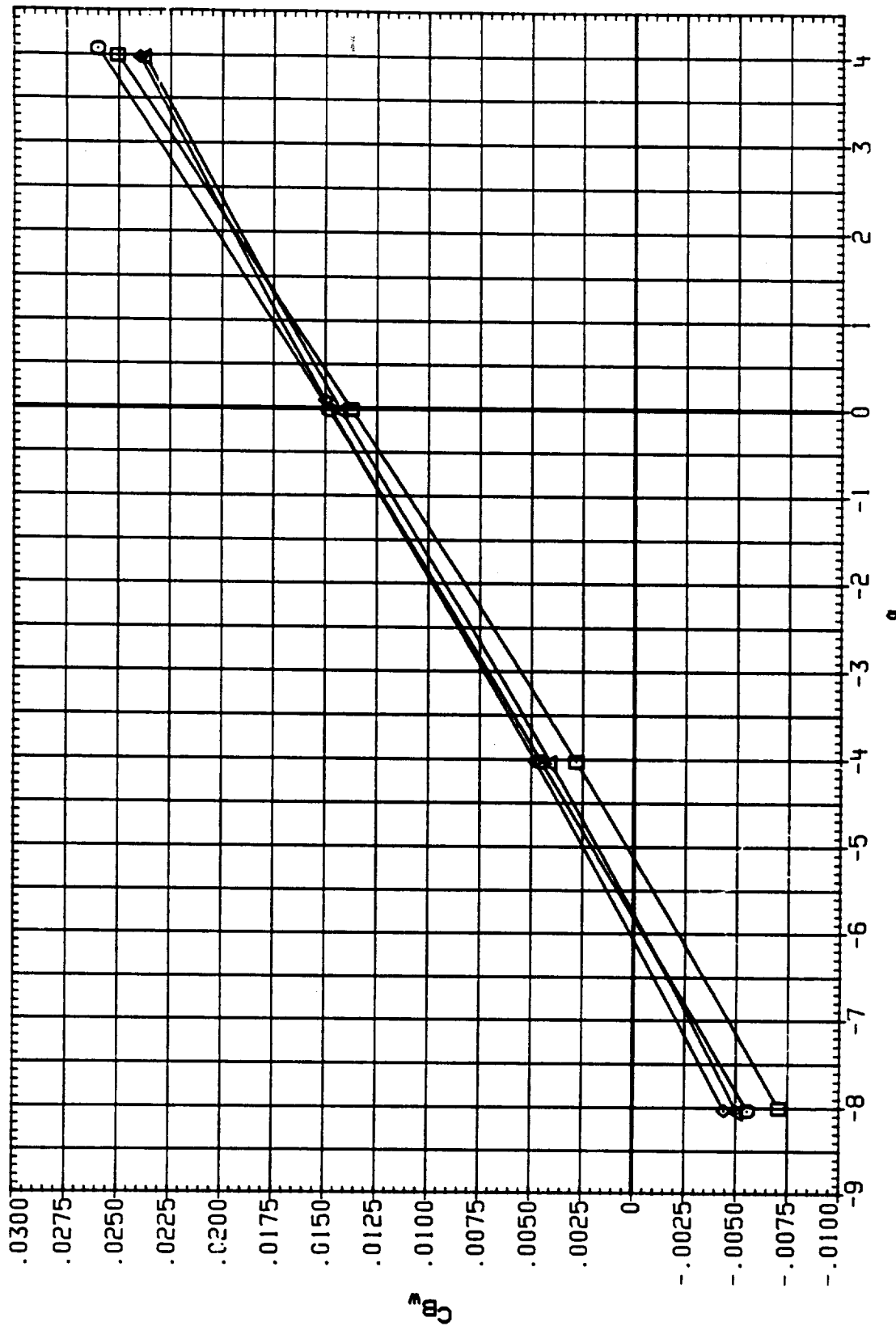


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS
(A) BETA = .00

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OF POOR QUALITY

DATA SET SYMBOL	CONFIGURATION	MAC	LEADER	ARLEN	ELLEN
SC0068	IAB13A1AEDC 16TF-829) B/L 01 + ASRH, PLUMES OFF	.950	BOTTOM	10.000	9.000
SC0098	IAB13A1AEDC 16TF-829) B/L 01 + ASRH, PLUMES OFF	.950	BOTTOM	8.000	9.000
SC0083	IAB13A1AEDC 16TF-829) B/L 01 + ASRH+PLUMES S1.2	.950	BOTTOM	10.000	9.000
SC0081	IAB13A1AEDC 16TF-829) B/L 01 + ASRH+PLUMES S1.2	.950	BOTTOM	8.000	9.000

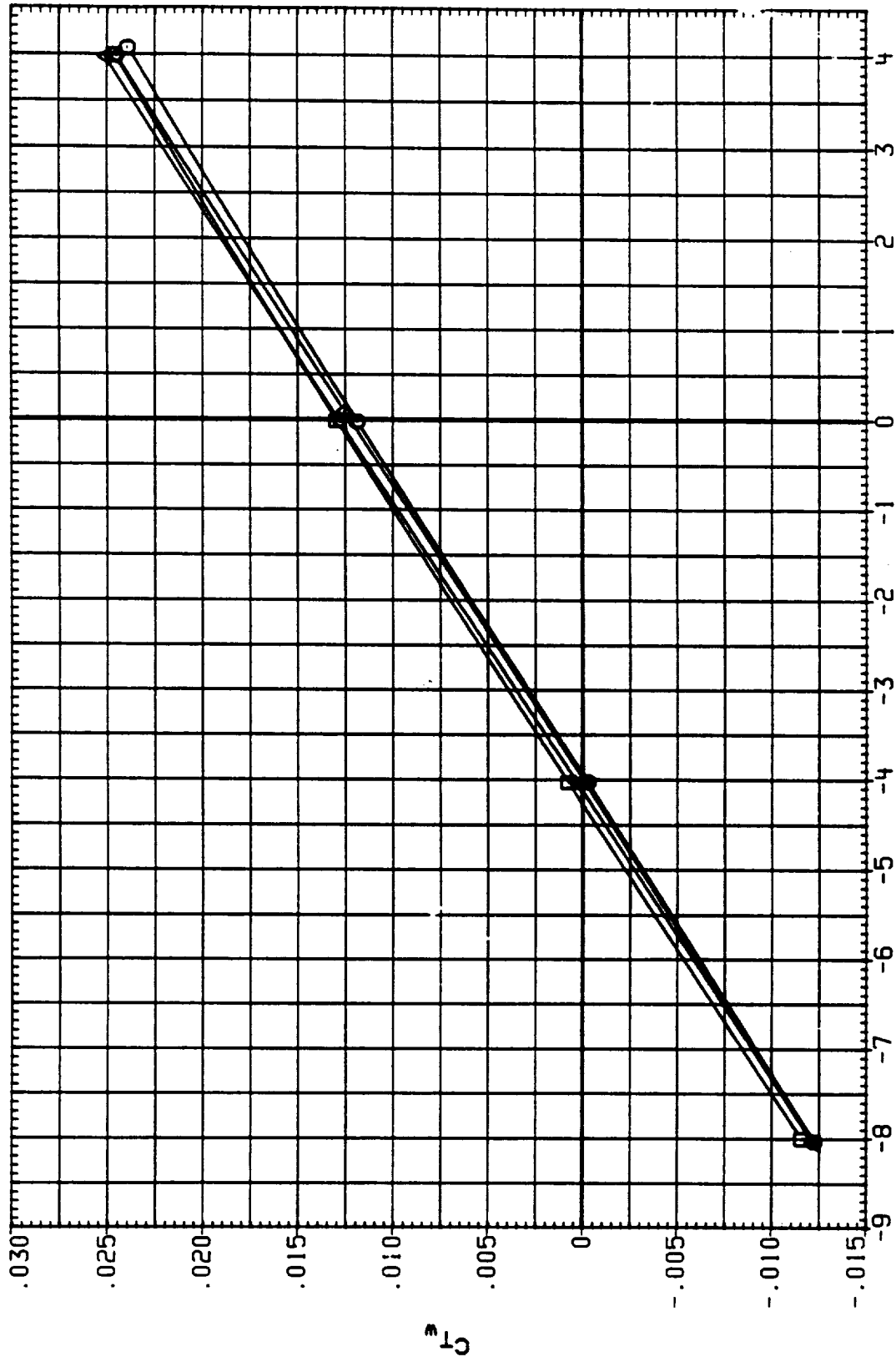


FIG. 7 EFFECT OF ELEVEN SCHEDULES WING LOADS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	TE-ABOX	IB-ELL	OB-ELL
SC0069	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES	1.050	BOTTOM	10.000	9.000
SC0099	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES	1.050	BOTTOM	8.000	9.000
SC0084	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.5	1.050	BOTTOM	10.000	9.000
SC0082	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.050	BOTTOM	8.000	9.000

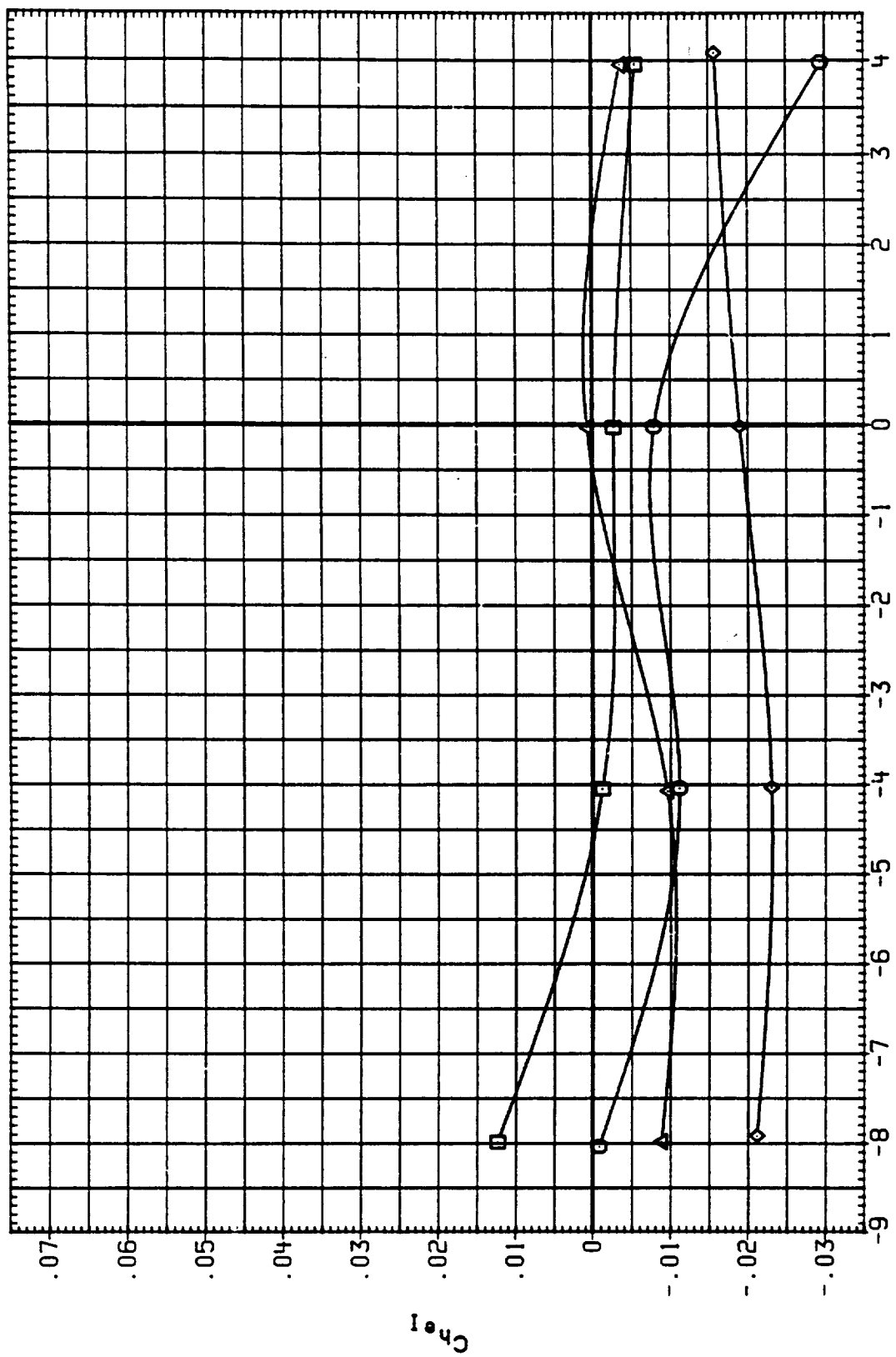


FIG. 7 EFFECT OF ELEVON SCHEDULES ON WING LOADS

(A) BETA = .00

ORIGINAL DRAWING IS OF POOR QUALITY

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
SC0069	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.050	BOTTOM	10.000	9.000
SC0099	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.050	BOTTOM	8.000	9.000
SC0084	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.050	BOTTOM	10.000	9.000
SC0082	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.050	BOTTOM	8.000	9.000

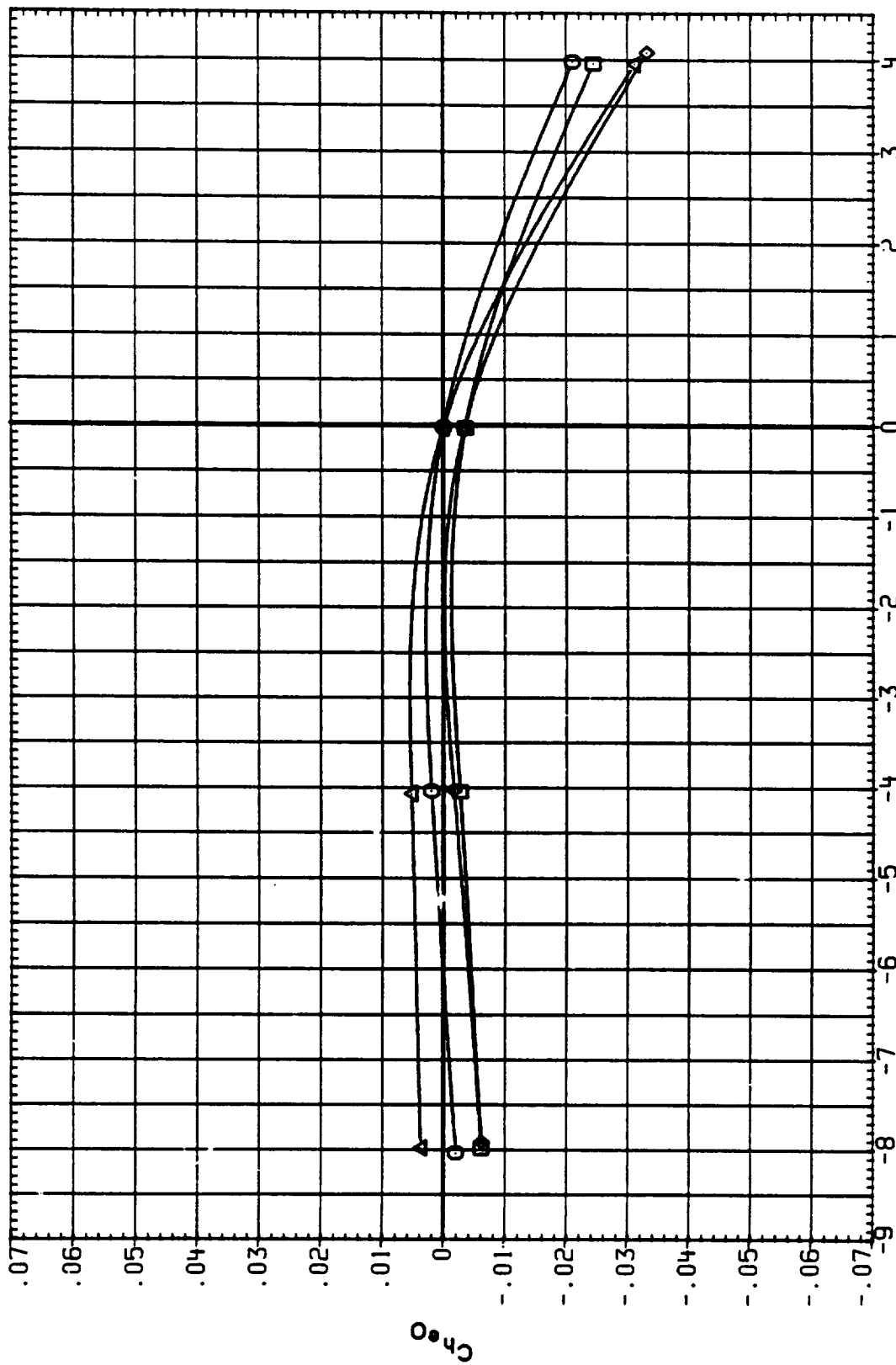


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL
 SC0069 ○
 SC0099 □
 SC0084 △
 SC0082 ◇

CONFIGURATION
 IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OF
 IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OF
 IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OF
 IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OF

MACH
 1.050
 1.050
 1.050
 1.050

IE-ELV
 80T00H
 80T00H
 80T00H
 80T00H

IB-ELV
 10.000
 8.000
 10.000
 8.000

OB-ELV
 9.000
 9.000
 9.000
 9.000

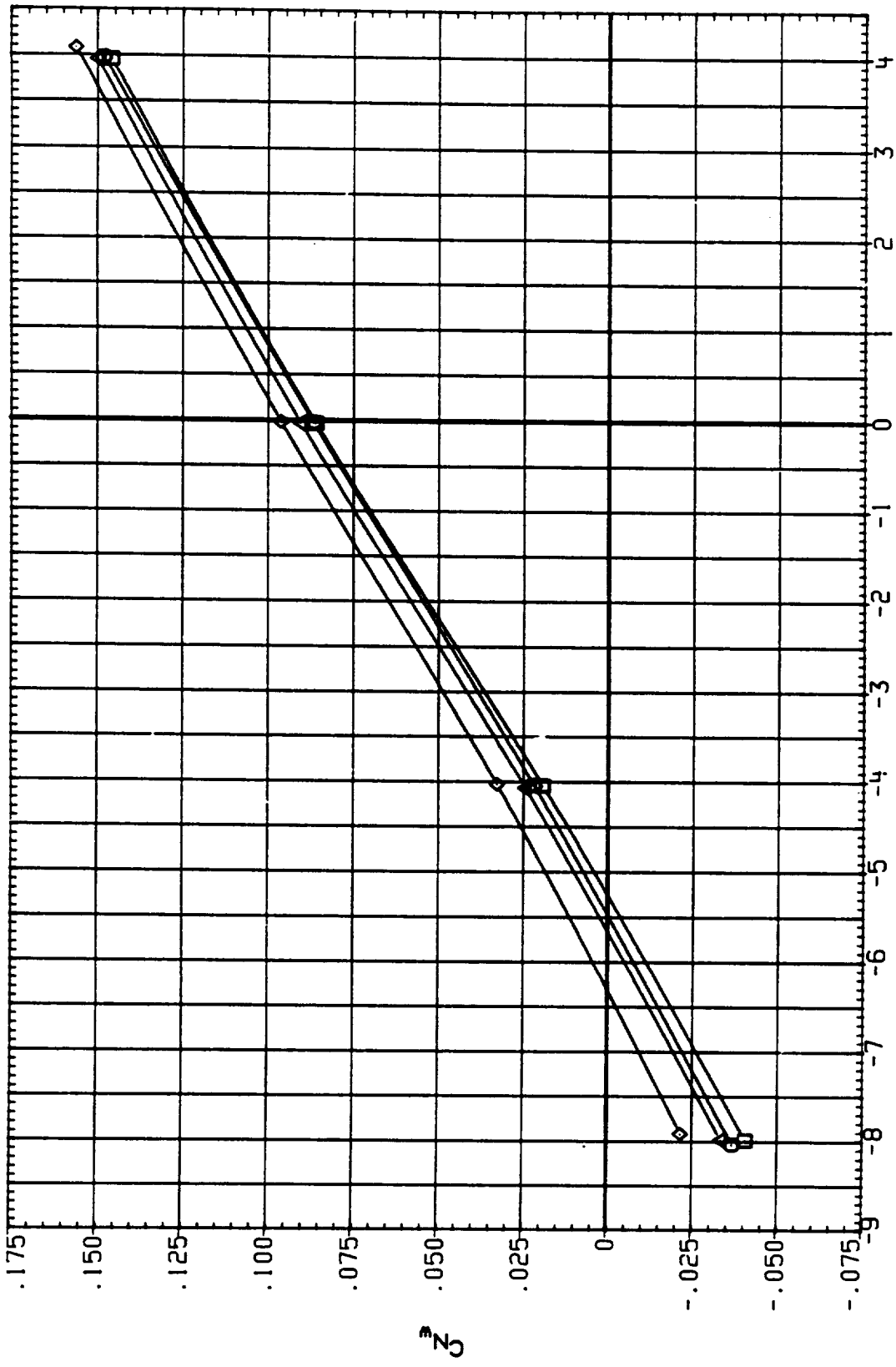


FIG. 7 EFFECT OF ELEVON SCHEDULES
 WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONF IGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0069	□	IA613A1AEDC 161F-829) B/L 01 + ASRM, PLUMES OFF	1.050	BOTTOM	10.000	9.000
SC0099	○	IA613A1AEDC 161F-829) B/L 01 + ASRM, PLUMES OFF	1.050	BOTTOM	8.000	9.000
SC0084	◇	IA613A1AEDC 161F-829) B/L 01 + ASRM+PLUMES S1.2	1.050	BOTTOM	10.000	9.000
SC0082	△	IA613A1AEDC 161F-829) B/L 01 + ASRM+PLUMES S1.2	1.050	BOTTOM	8.000	9.000

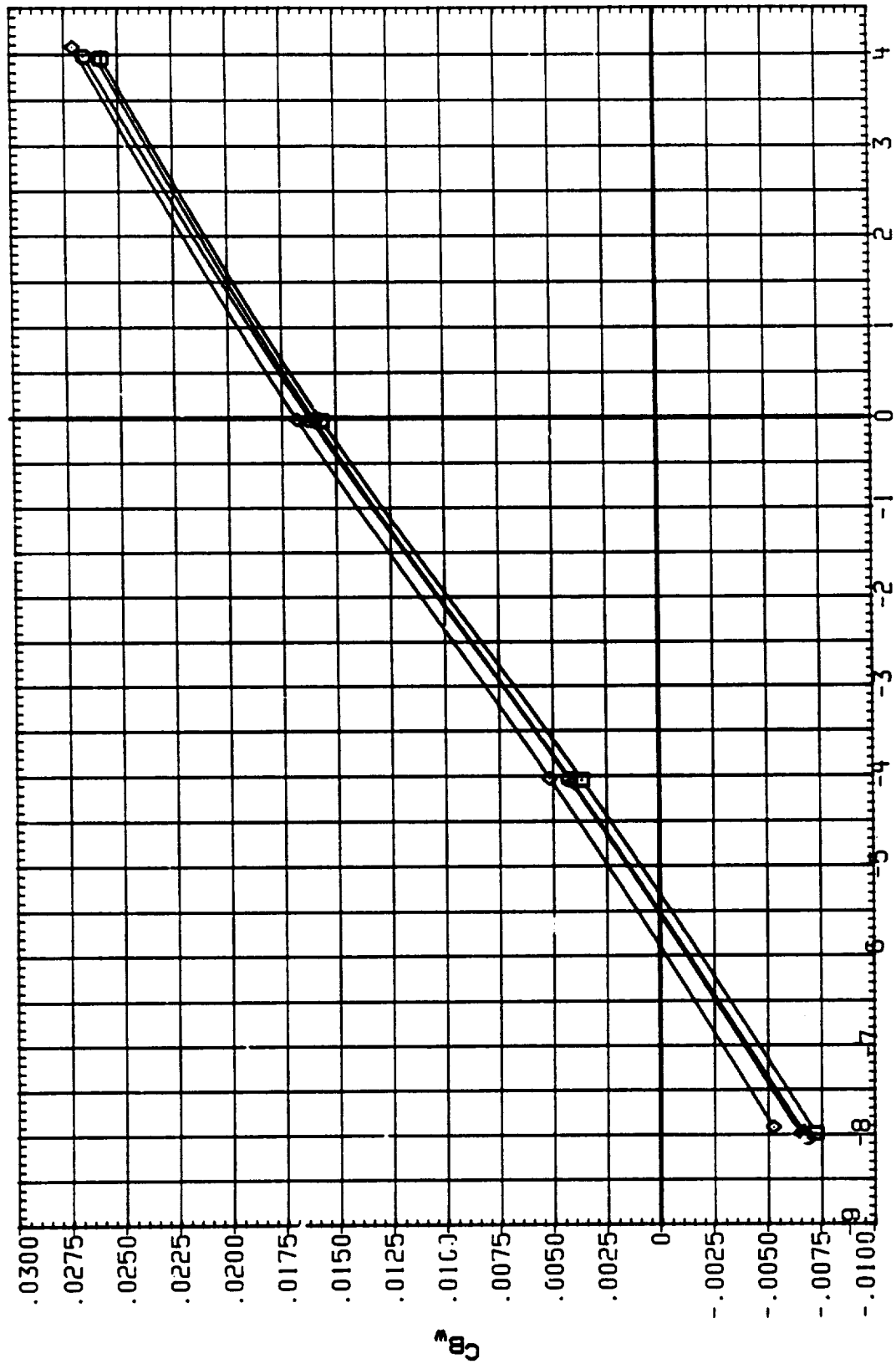


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET 511330L

UNIT INFORMATION

SC0069	□	I A613A1AEDC	16TF-829)	B/L	OT	+	ASRM,	PLUM	OFF	1.050	10.000	9.000
SC0099	◇	I A613A1AEDC	16TF-829)	B/L	OT	+	ASRM,	PLU	FF	1.050	8.000	9.000
SC0084	◇	I A613A1AEDC	16TF-829)	B/L	OT	+	ASRM+PLU			1.050	10.000	9.000
SC0082	△	I A613A1AEDC	16TF-829)	B/L	OT	+	ASRM+PLUM		1.2	1.050	8.000	9.000

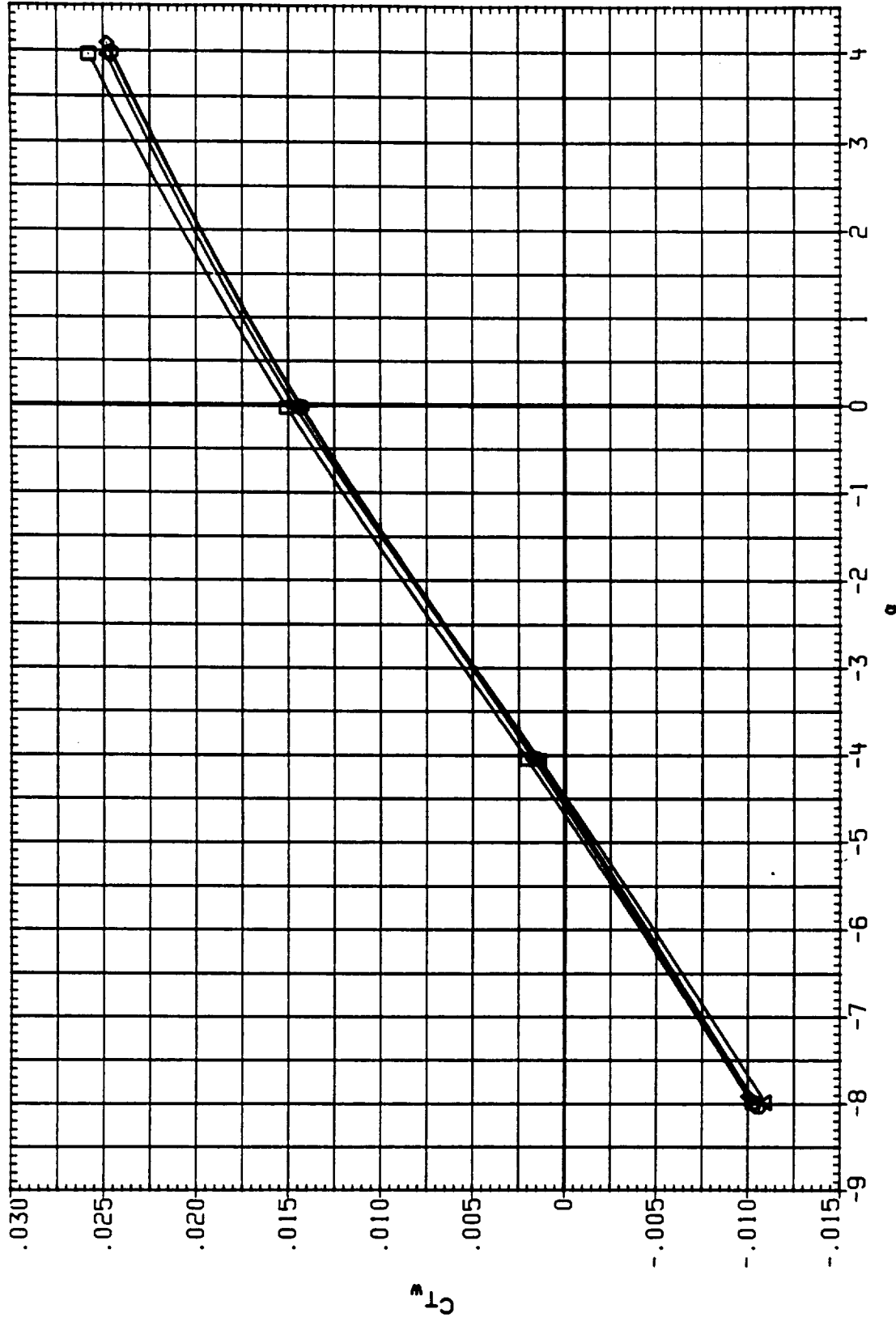


FIG. 7 EFFECT OF ELEVON SCHEDULES WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LEADBOX	IS-EL+	IS-EL-
SC0070	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.100	BOTTOM	10.600	9.000
SC00A9	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.100	BOTTOM	8.000	9.000
SC00B5	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES ST.2	1.100	BOTTOM	10.000	9.000
SC00B3	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES ST.2	1.100	BOTTOM	8.000	9.000

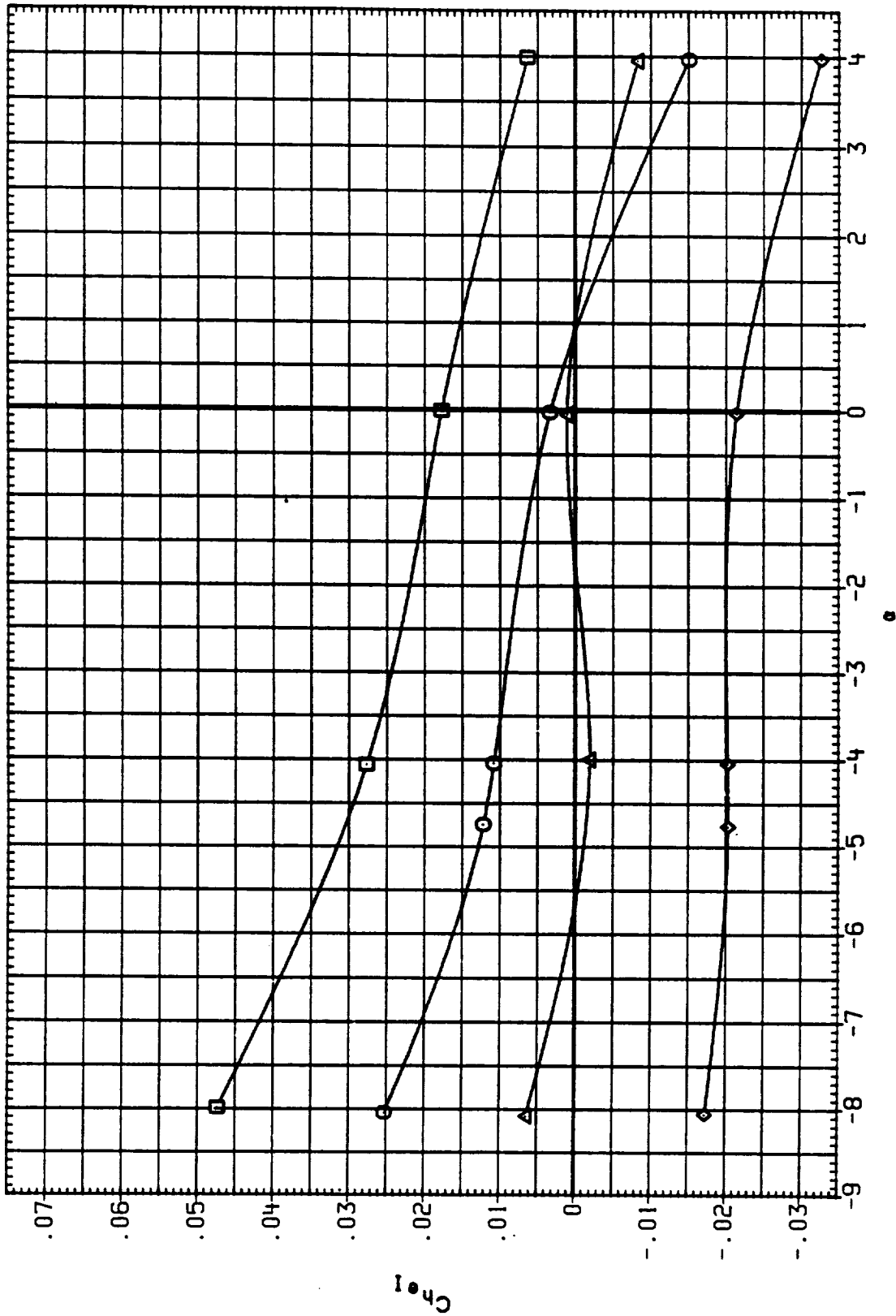


FIG. 7 EFFECT OF ELEVON SCHEDULES WING LOADS

(A) BETA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	LEAD-IN	LEAD-OUT
SC0070	I A613A1AEDC 161F-829) B/L OT + ASRM, PLUME	1.100	BOTTOM	9.000
SC00A0	I A613A1AEDC 161F-829) B/L OT + ASRM, PLUME	1.100	BOTTOM	10.000
SC00B5	I A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES	1.100	BOTTOM	8.000
SC00B3	I A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.100	BOTTOM	10.000

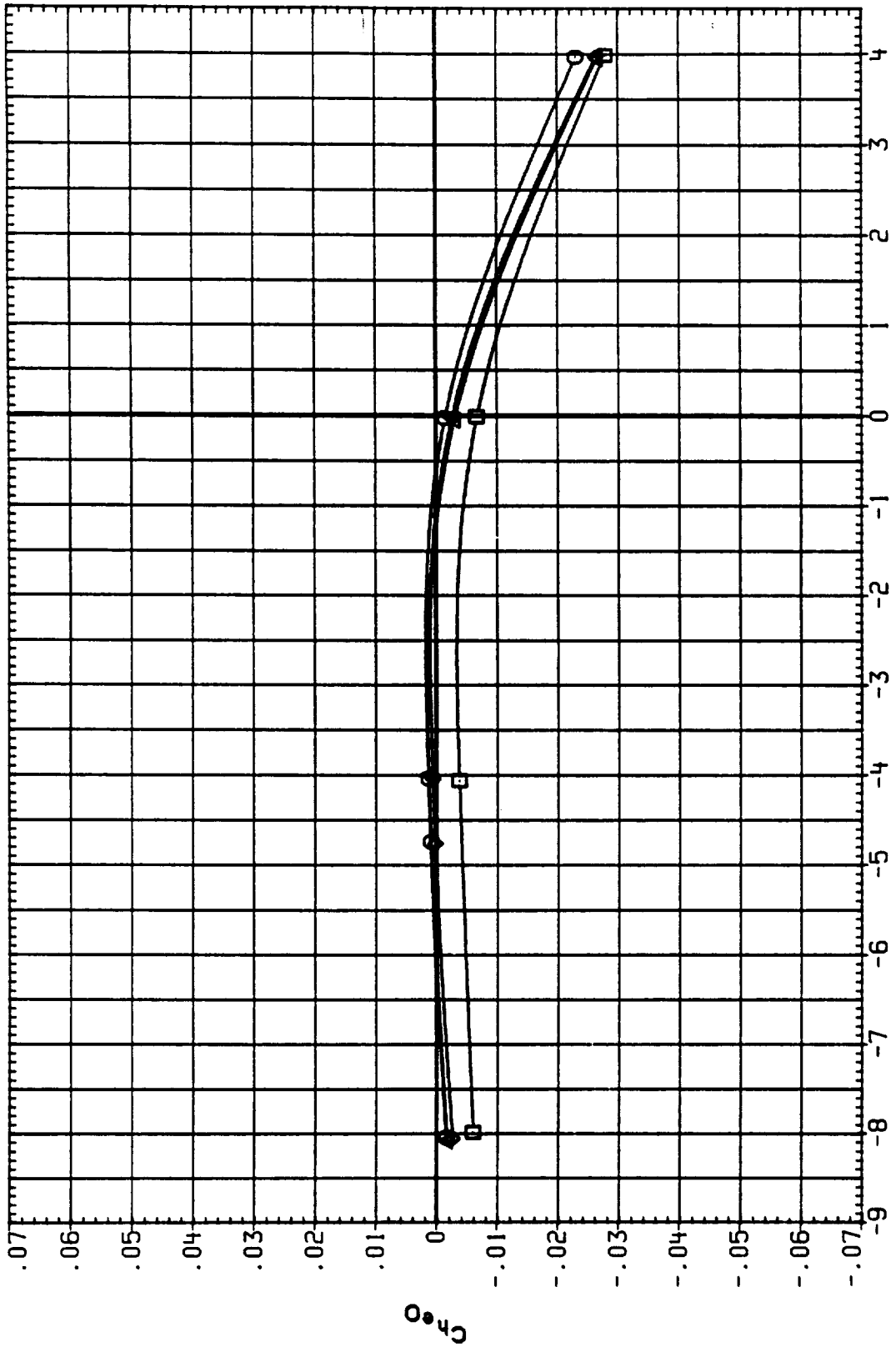


FIG. 7 EFFECT OF ELEVON SCHEDULES ON WING LOADS

(A) BETA = .00

ORIGINAL PAGE IS OF POOR QUALITY

DATA SET SYMBOL	CONFIGURATION	MACH	LEBOX	IB-ELV	CB-ELV
SC0070	IAGI3AIAEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.100	BOTTOM	10.000	9.000
SC00A0	IAGI3AIAEDC 16TF-829) B/L OT + ASRM, PLUMES OFF	1.100	BOTTOM	8.000	9.000
SC00B5	IAGI3AIAEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.100	BOTTOM	10.000	9.000
SC00B3	IAGI3AIAEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.100	BOTTOM	8.000	9.000

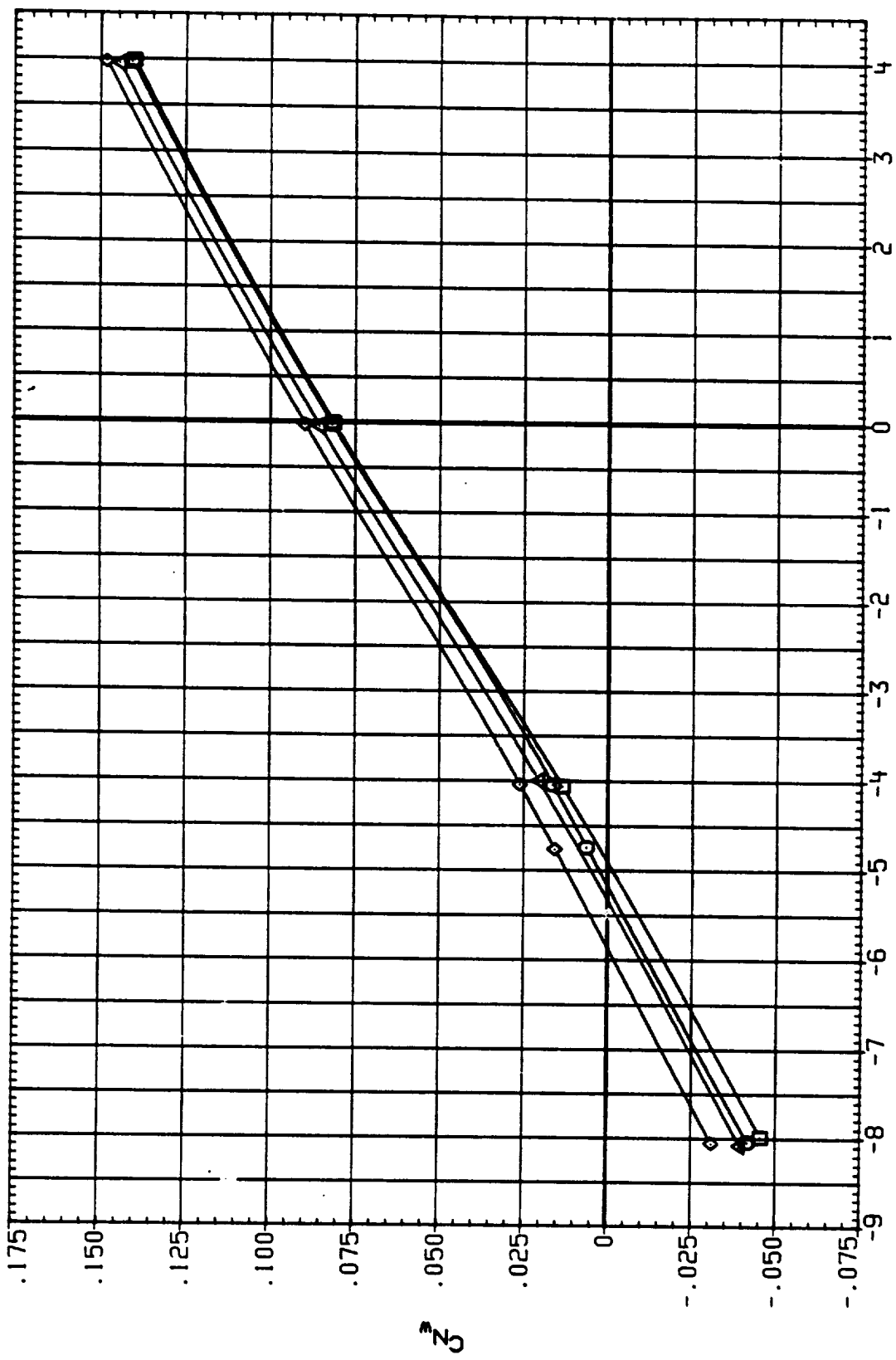


FIG. 7 EFFECT OF ELEVON SCHEDULES WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	LEA BOX	IB-ELV	OB-ELV
SC0070	○	I A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES	1.100	BOTTOM	10.000	9.000
SC00A0	□	I A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES	1.100	BOTTOM	8.000	9.000
SC00B5	◇	I A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2	1.100	BOTTOM	10.000	9.000
SC00B3	△	I A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2	1.100	BOTTOM	8.000	9.000

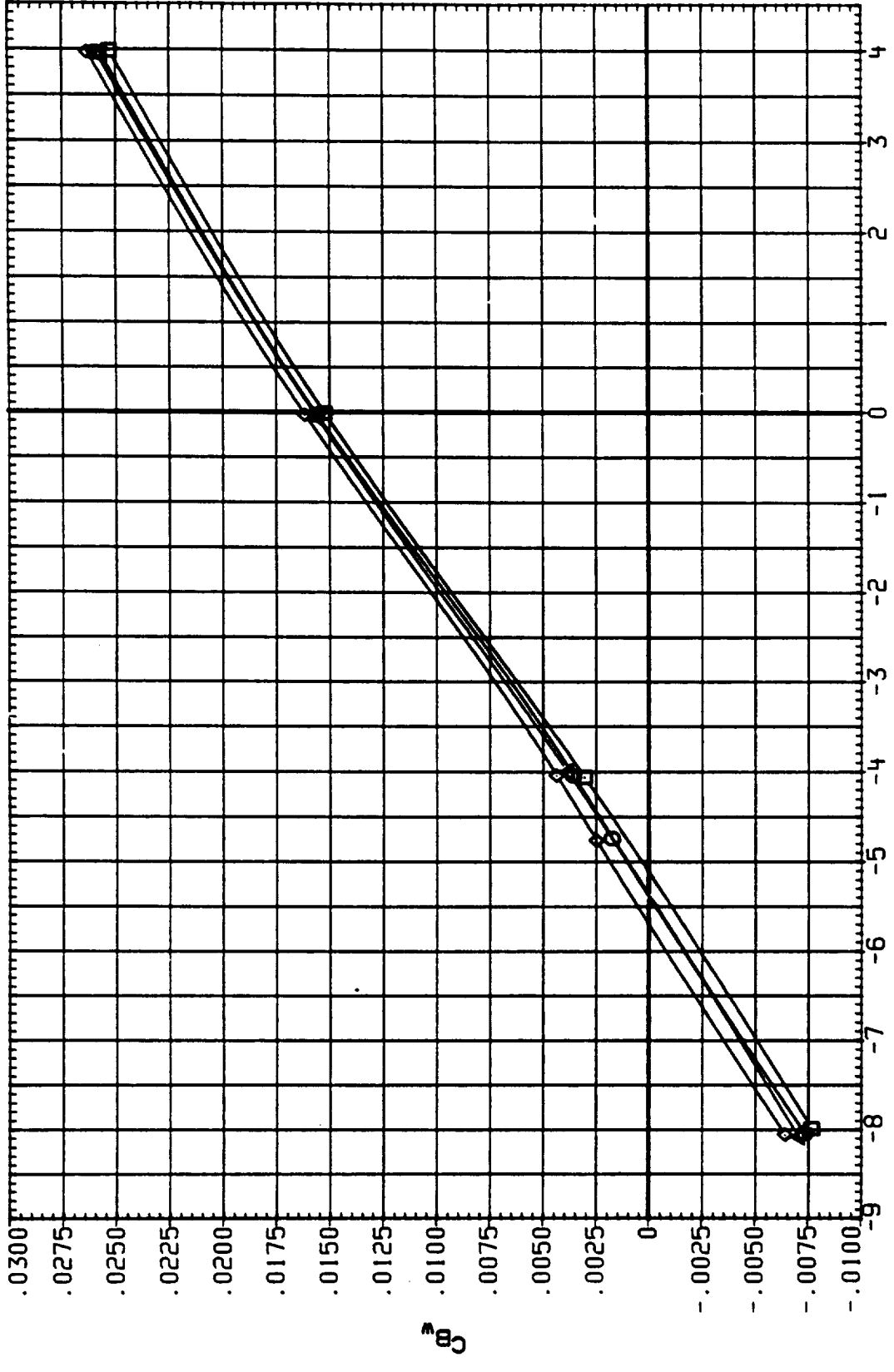


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0070
SC00A0
SC00B5
SC00B3

CONFIGURATION

IAGI3A1AEDC 161F-829) B/L O1 + ASRM, PLUMES OFF
IAGI3A1AEDC 161F-829) B/L O1 + ASRM, PLUMES OFF
IAGI3A1AEDC 161F-829) B/L O1 + ASRM+PLUMES S1.2
IAGI3A1AEDC 161F-829) B/L O1 + ASRM+PLUMES S1.2

MACH

1.100
1.100
1.100
1.100

IEABOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

IB-ELV

10.000
8.000
10.000
8.000

OB-ELV

9.000
9.000
9.000
9.000

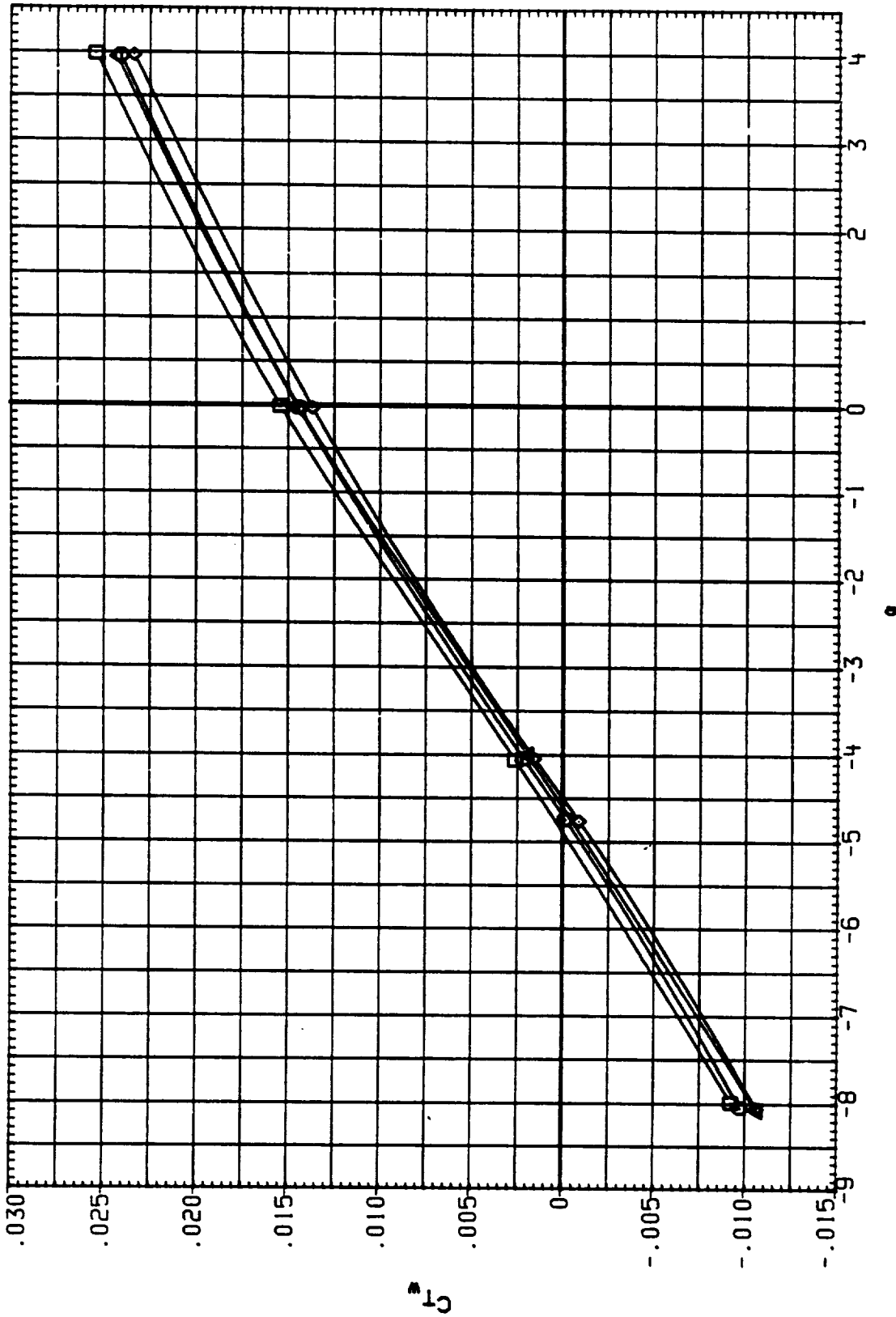


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0071	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.150	BOTTOM	10.000	9.000
SC00A1	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.150	BOTTOM	8.000	9.000
SC0086	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES 51.2	1.150	BOTTOM	10.000	9.000
SC0084	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES 51.2	1.150	BOTTOM	8.000	9.000

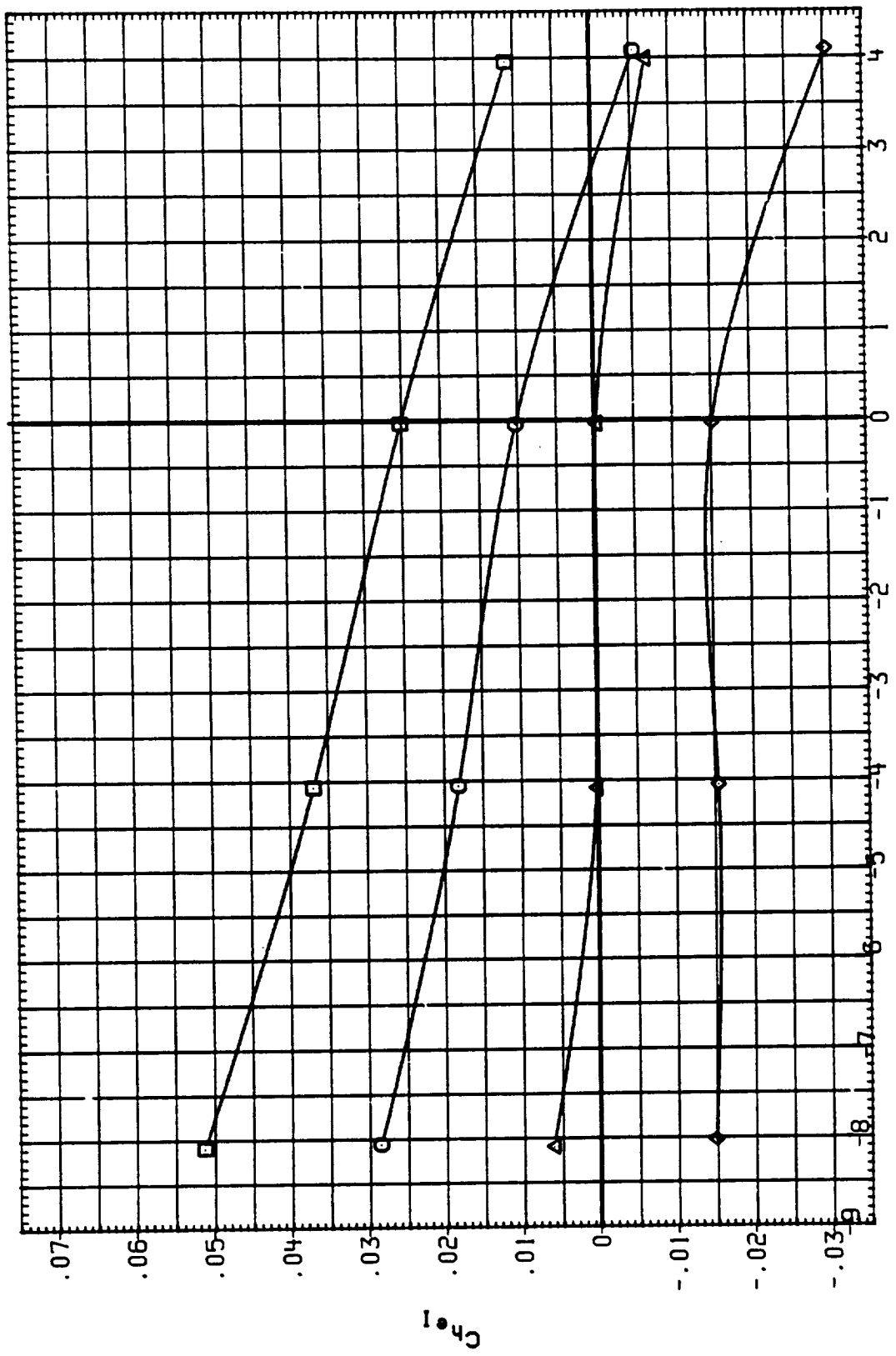


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

SC0071	□	IA613A(AEDC 161F-829)	B/L OT	+ ASRH	PLUMES OFF	1.150	BOTTOM	9.000
SC00A1	□	IA613A(AEDC 161F-829)	B/L OT	+ ASRH	PLUMES OFF	1.150	BOTTOM	8.000
SC00B6	△	IA613A(AEDC 161F-829)	B/L OT	+ ASRH+PLUMES S1.2		1.150	BOTTOM	9.000
SC00B4	△	IA613A(AEDC 161F-829)	B/L OT	+ ASRH+PLUMES S1.2		1.150	BOTTOM	8.000

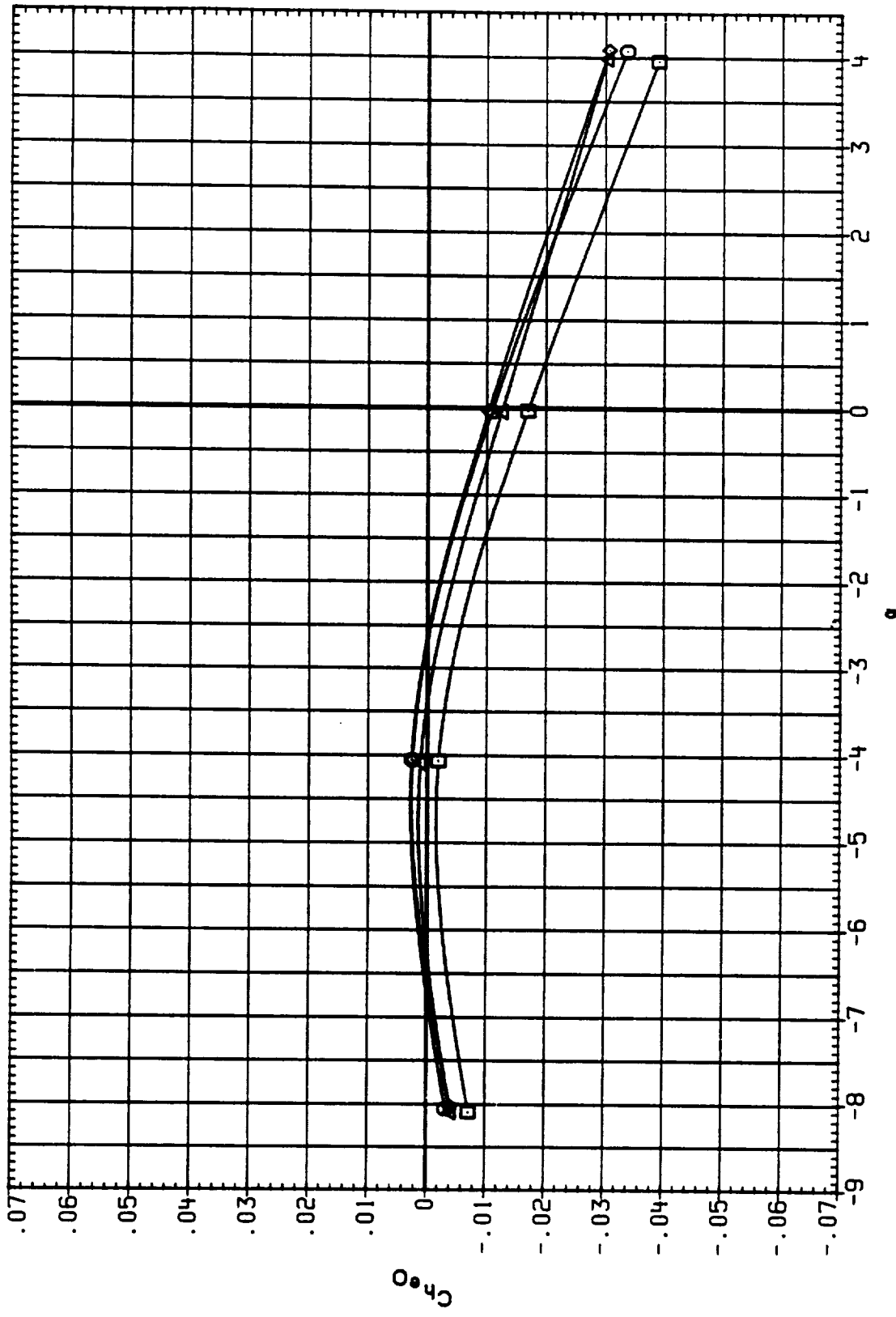


FIG. 7 EFFECT OF ELEVON SCHEDULES ON WING LOADS

(A) BETA = .00

ORIGINAL PAGE IS OF POOR QUALITY

DATA SET SYMBOL CONFIGURATION MACH LEADBOX BELL CUB UCL

SC0071 I A613A(AEDC 16TF-829) B/L OT + ASRM, PLY TF 1.150 BOTTOM 10.000 9.000

SC00A1 I A613A(AEDC 16TF-829) B/L OT + ASRM, PLY TF 1.150 BOTTOM 8.000 9.000

SC00B6 I A613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES .1,2 1.150 BOTTOM 10.000 9.000

SC00B4 I A613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES .1,2 1.150 BOTTOM 8.000 9.000

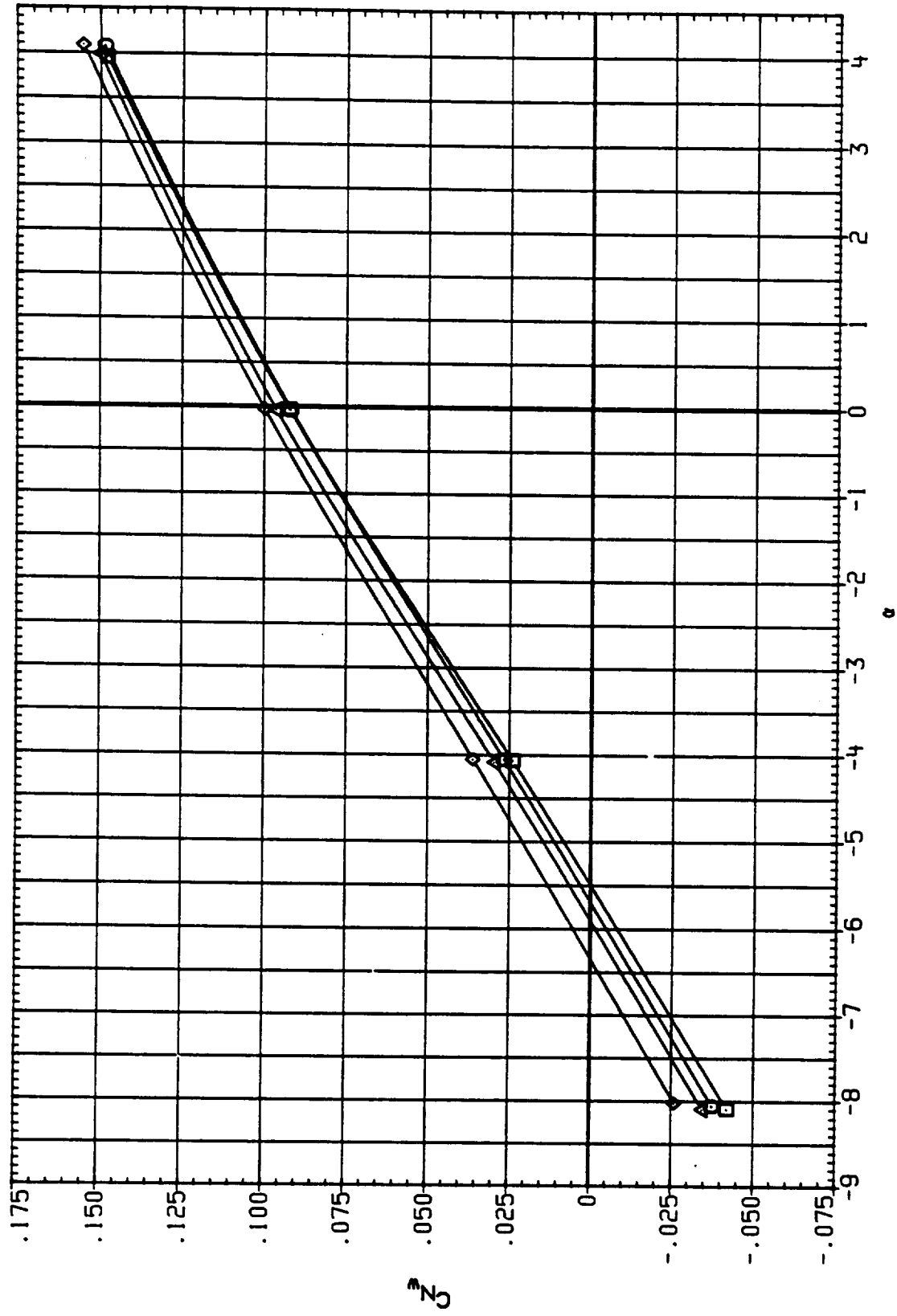


FIG. 7 EFFECT OF ELEVON SCHEDULES WING LOADS

(A) BETA = .00

ORIGINAL SOURCE OF POOR QUALITY

DATA SET SYMBOL	CONFIGURATION	MACH	LEAD	LEAD	LEAD
SC0071	IAG13A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.150	BOTTOM	10.000	9.000
SC00A1	IAG13A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.150	BOTTOM	8.000	9.000
SC00B6	IAG13A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	BOTTOM	10.000	9.000
SC00B4	IAG13A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	BOTTOM	8.000	9.000

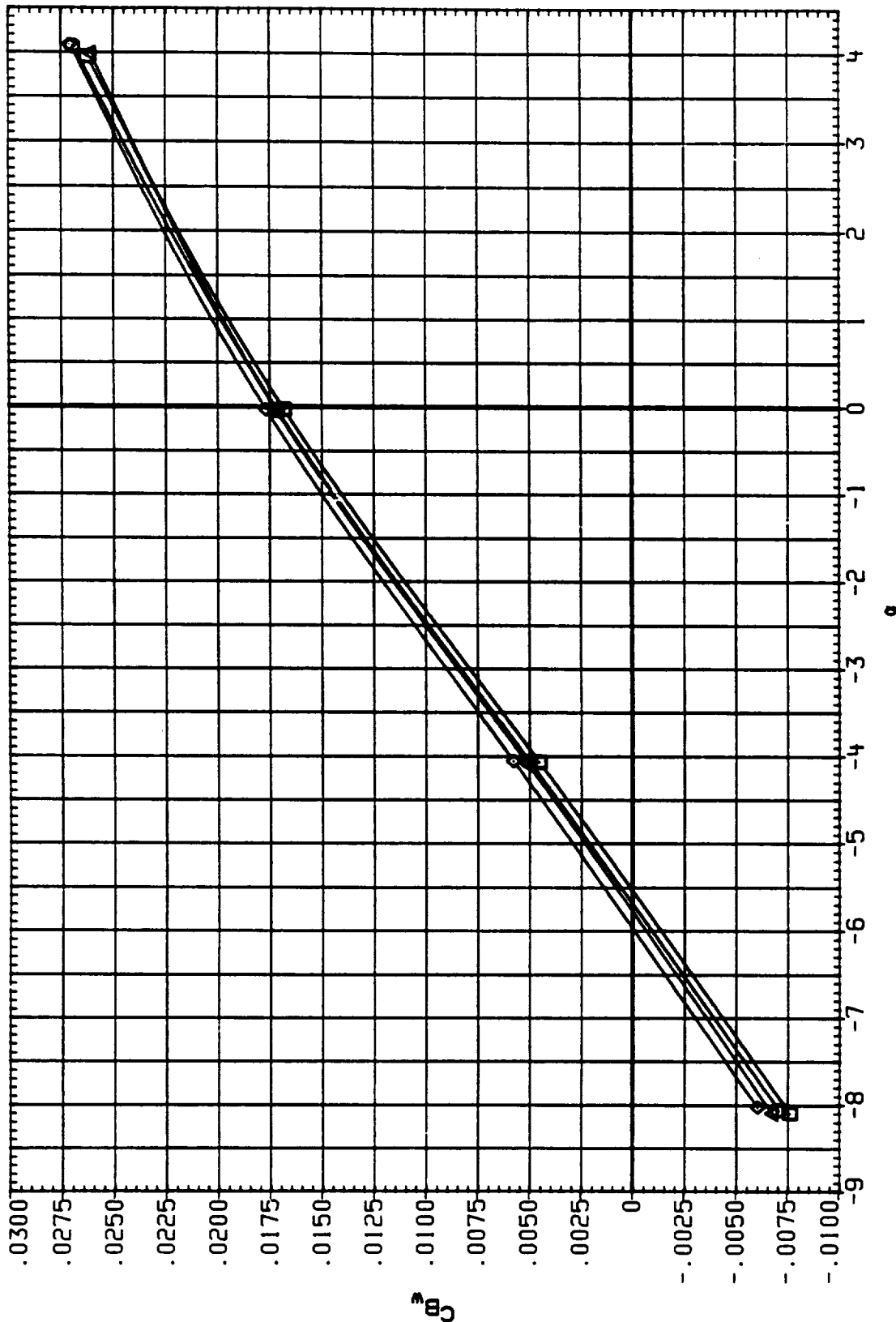


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-BOX	IB-ELV	CB-ELV
SC0071	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES	1.150	BOTTOM	10.000	9.000
SC00A1	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES	1.150	BOTTOM	8.000	9.000
SC00B6	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.150	BOTTOM	10.000	9.000
SC00B4	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.150	BOTTOM	8.000	9.000

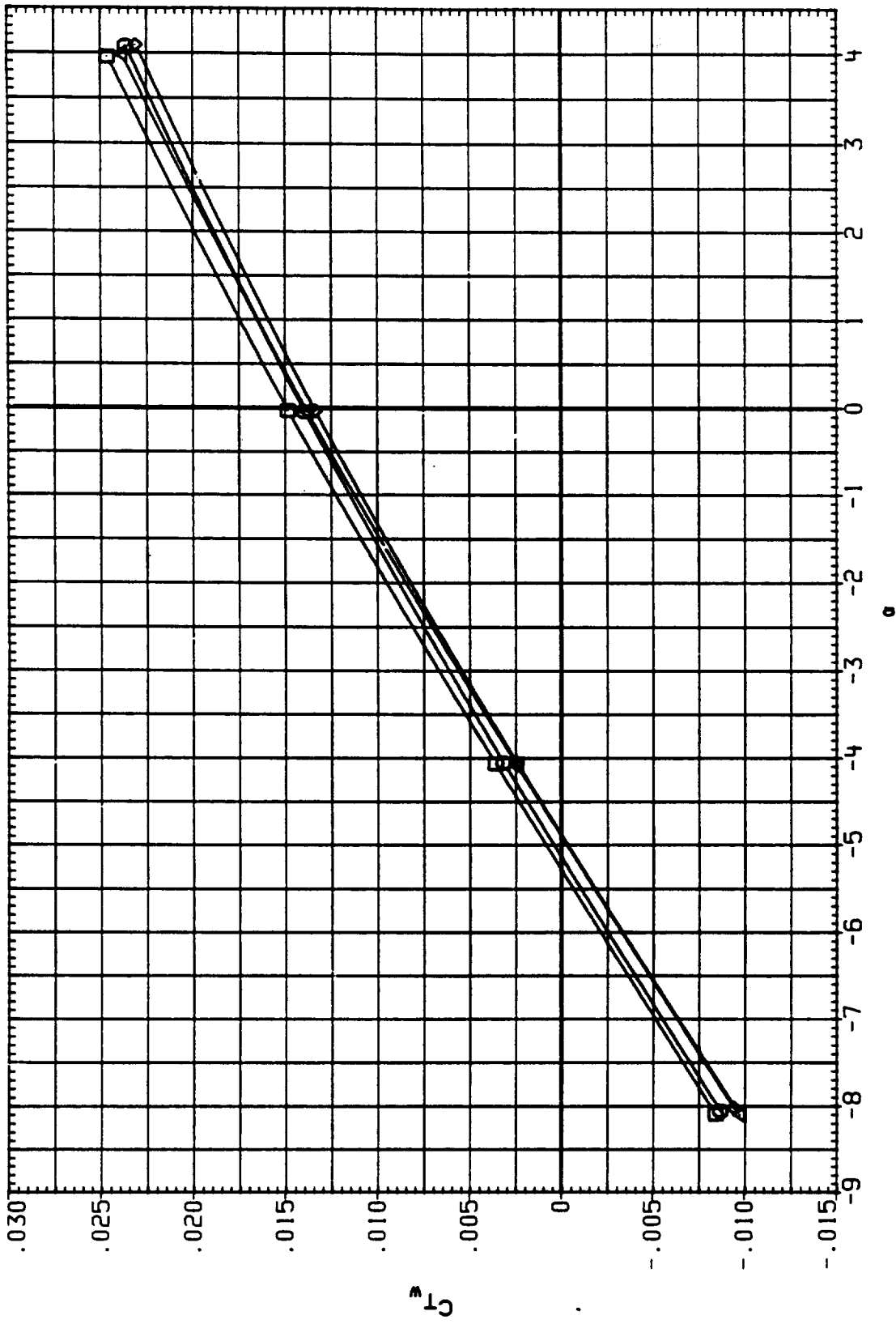


FIG. 7 EFFECT OF ELEVON SCHEDULES
ON WING LOADS

(A) BETA = .00

ORIGINAL PAGE IS
OF POOR QUALITY

DATA SET SYMBOL

SC0072 □

SC0073 ◇

SC00A2 △

SC00B8 ▽

SC00B5 ▽

CONFIGURATION

IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF

IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF

IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF

IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.2

IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES SI.2

IEABOX

BOITOM

BOITOM

BOITOM

BOITOM

BOITOM

BOITOM

MACH

1.250

1.250

1.250

1.250

1.250

IB-ELV

10.000

10.000

8.000

10.000

10.000

8.000

OB-ELV

9.000

5.000

9.000

5.000

9.000

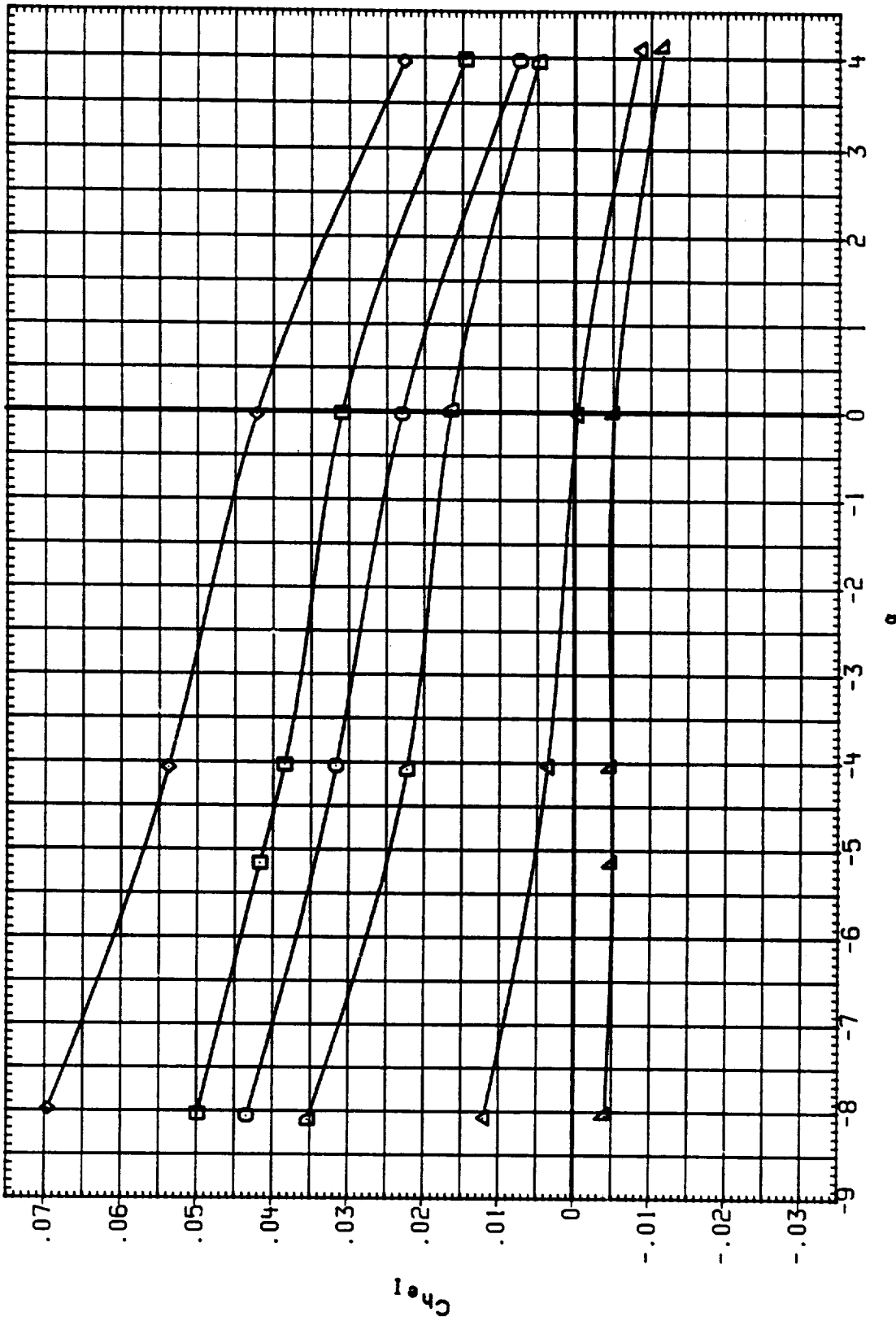


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL
 SC0072
 SC0073
 SC00A2
 SC00B7
 SC00B8
 SC00B5

CONFIGURATION
 I613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
 I613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
 I613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
 I613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2
 I613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2

ACH
 1.250
 1.250
 1.250
 1.250
 1.250

LEABOX
 BOTTOM
 BOTTOM
 BOTTOM
 BOTTOM
 BOTTOM

IB-ELV
 10.000
 10.000
 8.000
 10.000
 10.000

OB-ELV
 9.000
 5.000
 9.000
 9.000
 5.000

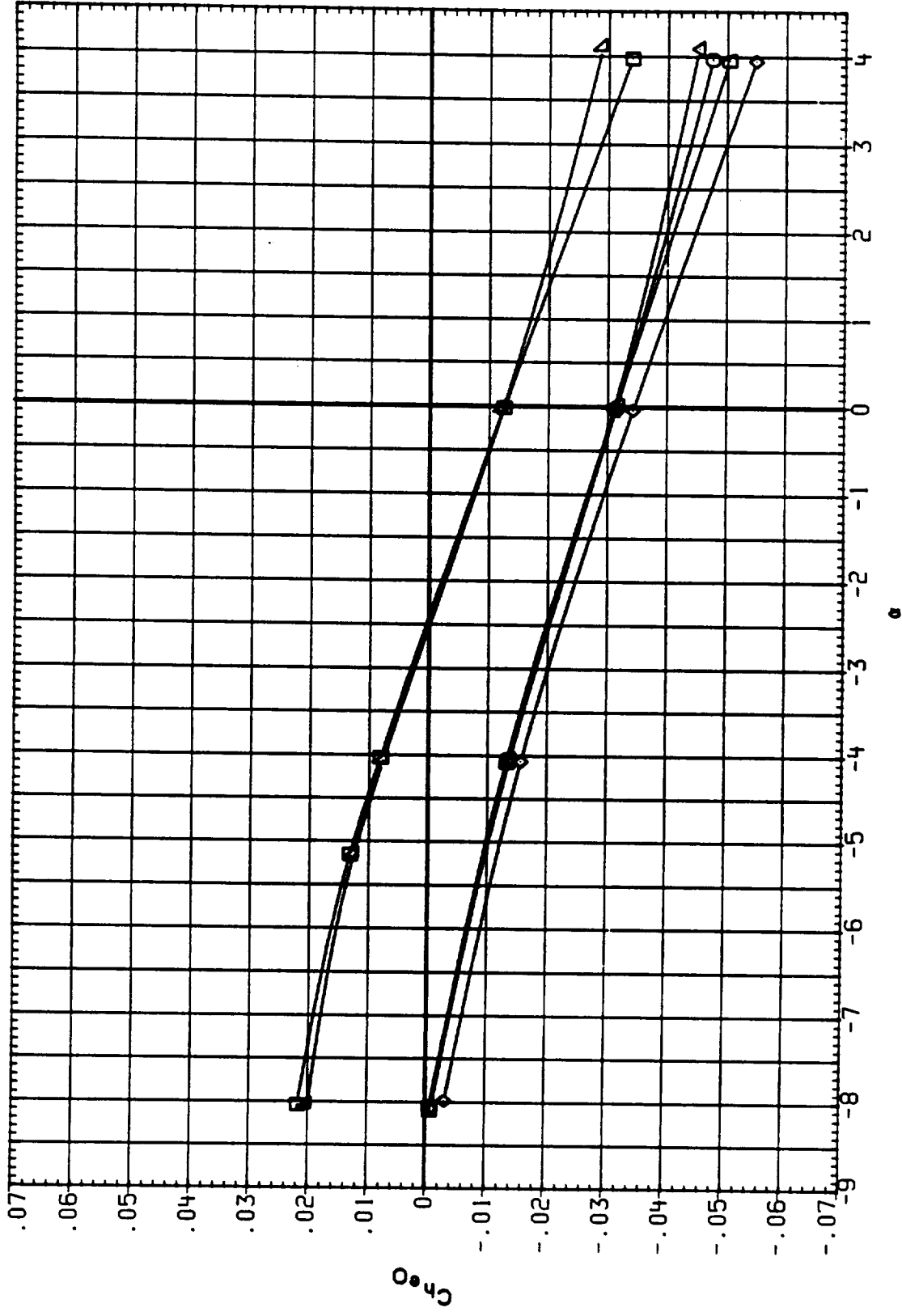


FIG. 7 EFFECT OF ELEVON SCHEDULES
 WING LOADS

(A) BETA = .00

ORIGINAL PAGE IS
 OF POOR QUALITY

DATA SET	SYMBOL	CONFIGURATION	MACH	IE-BOX	IE-ELY	OB-ELY
SC0072	□	1A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	10.000	9.000
SC0073	□	1A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	10.000	5.000
SC00A2	◇	1A613A(AEDC 161F-829) B/L OT + ASRM, PLUMES S1.2	1.250	BOTTOM	10.000	9.000
SC00B7	△	1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.250	BOTTOM	10.000	9.000
SC00B8	△	1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.250	BOTTOM	10.000	5.000
SC00B5	◇	1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.250	BOTTOM	8.000	9.000

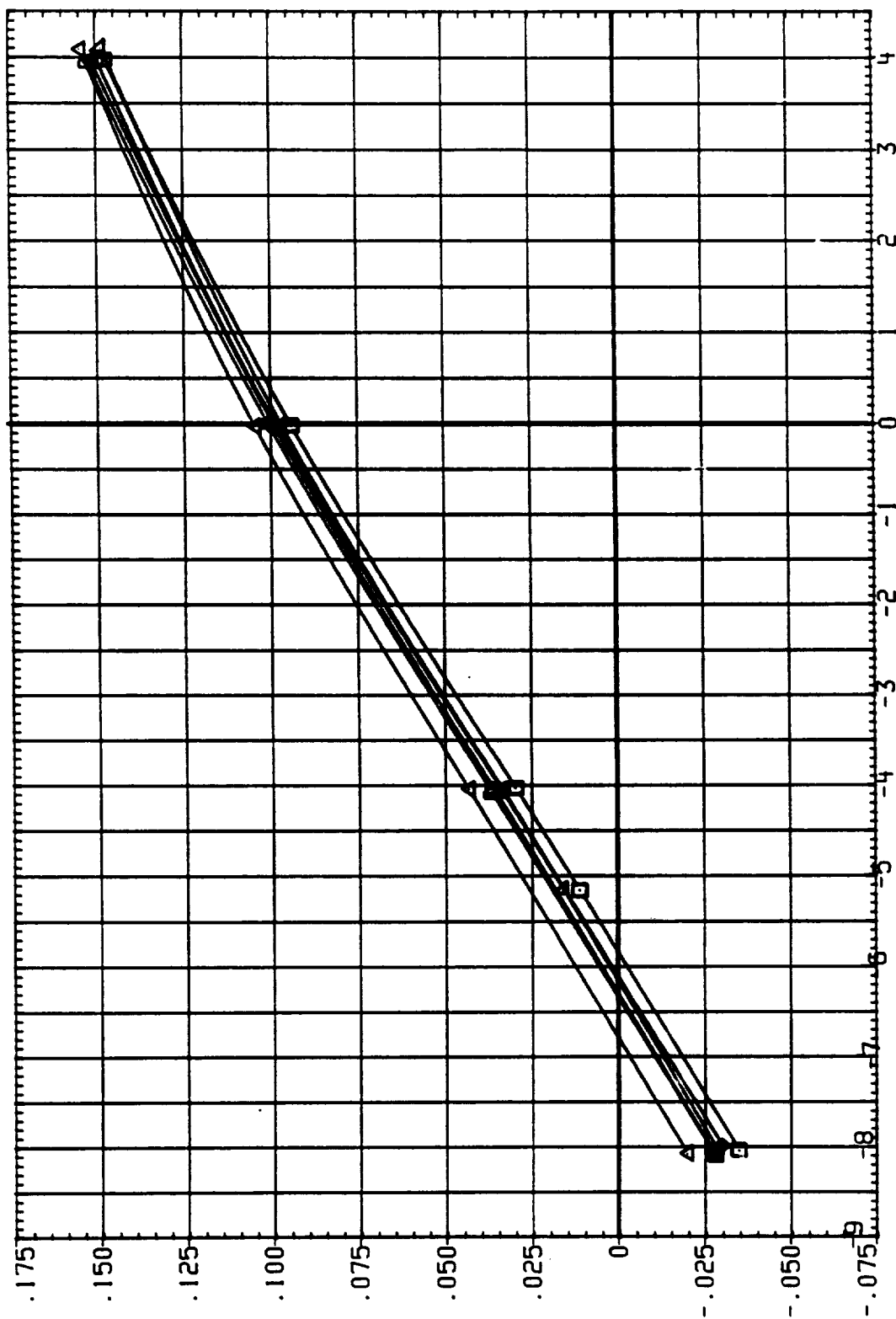


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	WING	FLIGHT	WING AREA	WING SPAN	WING TAPER
SC0072	IA613A(AEDC 161F-829) B/L OT + ASRM, PLU	1.250	10.000	9.000		
SC0073	IA613A(AEDC 161F-829) B/L OT + ASRM, PLU	1.250	10.000	9.000		
SC00A2	IA613A(AEDC 161F-829) B/L OT + ASRM, PLU	1.250	10.000	9.000		
SC00B7	IA613A(AEDC 161F-829) B/L OT + ASRM, PLU	1.250	10.000	9.000		
SC00B8	IA613A(AEDC 161F-829) B/L OT + ASRM, PLU	1.250	10.000	9.000		
SC00B5	IA613A(AEDC 161F-829) B/L OT + ASRM, PLU	1.250	10.000	9.000		

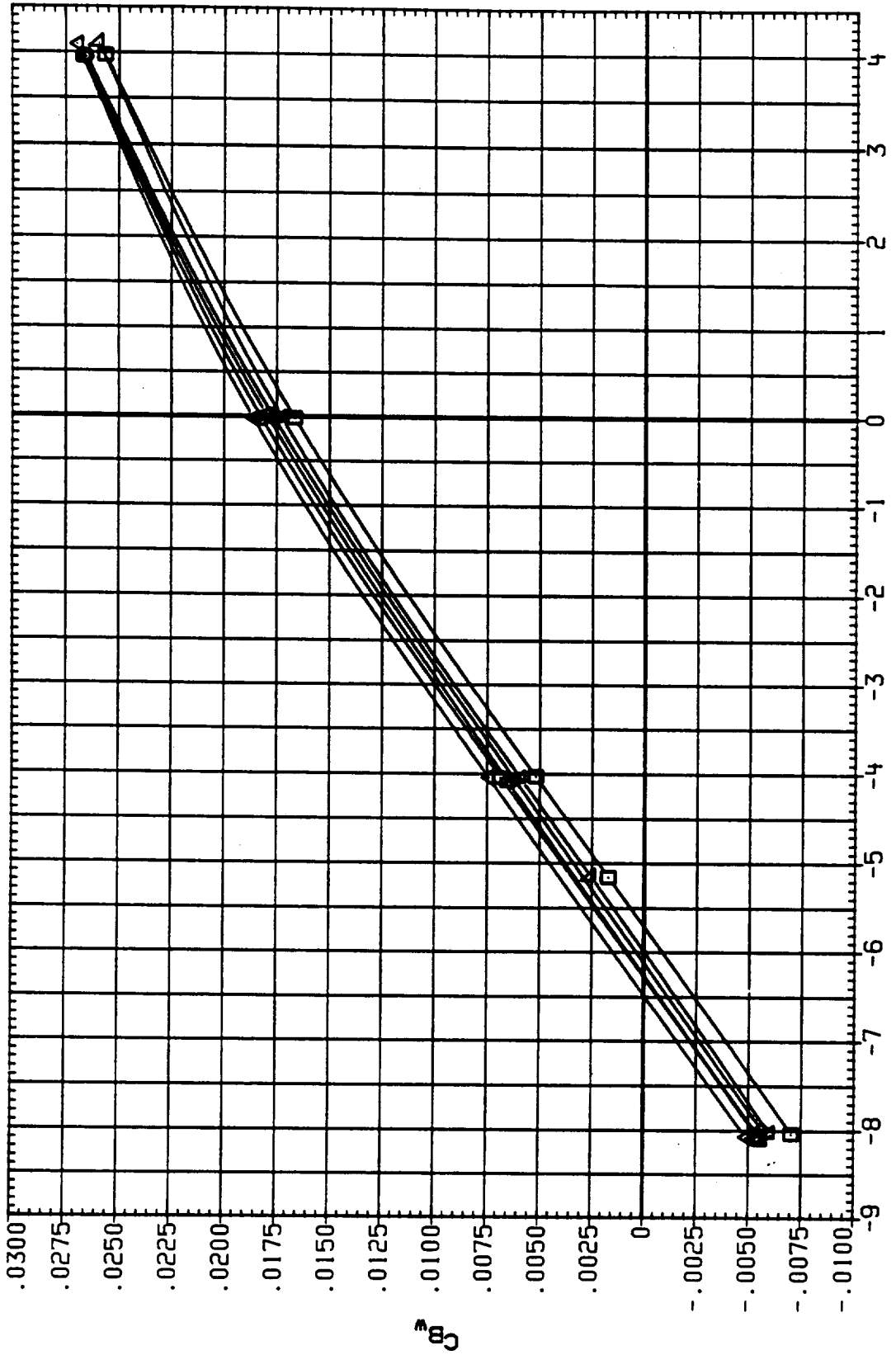


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
SC0072	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	10.000	9.000
SC0073	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	10.000	5.000
SC00A2	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.250	BOTTOM	8.000	9.000
SC00B7	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1,2	1.250	BOTTOM	10.000	9.000
SC00B8	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1,3	1.250	BOTTOM	10.000	5.000
SC00B5	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1,2	1.250	BOTTOM	8.000	9.000

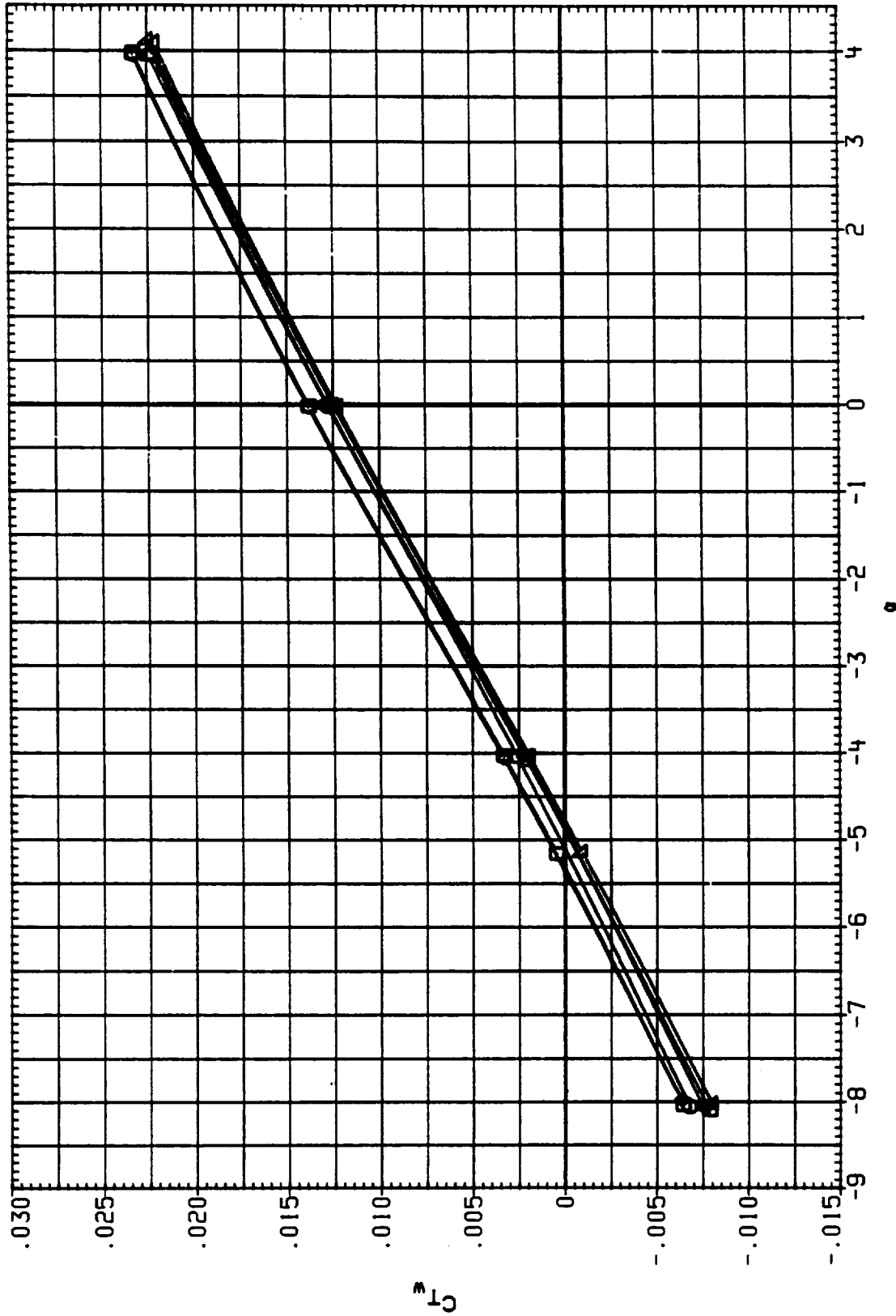


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LE-BOX	IB-ELV	OB-ELV
SC0074	IAB13A1AEDC 161F-829) B/L O1 + ASRM, PLUMES	1.300	BOTTOM	10.000	5.000
SC0044	IAB13A1AEDC 161F-829) B/L O1 + ASRM, PLUMES	1.300	BOTTOM	8.000	5.000
SC0089	IAB13A1AEDC 161F-829) B/L O1 + ASRM+PLUMES S1.3	1.300	BOTTOM	10.000	5.000
SC0087	IAB13A1AEDC 161F-829) B/L O1 + ASRM+PLUMES S1.3	1.300	BOTTOM	8.000	5.000

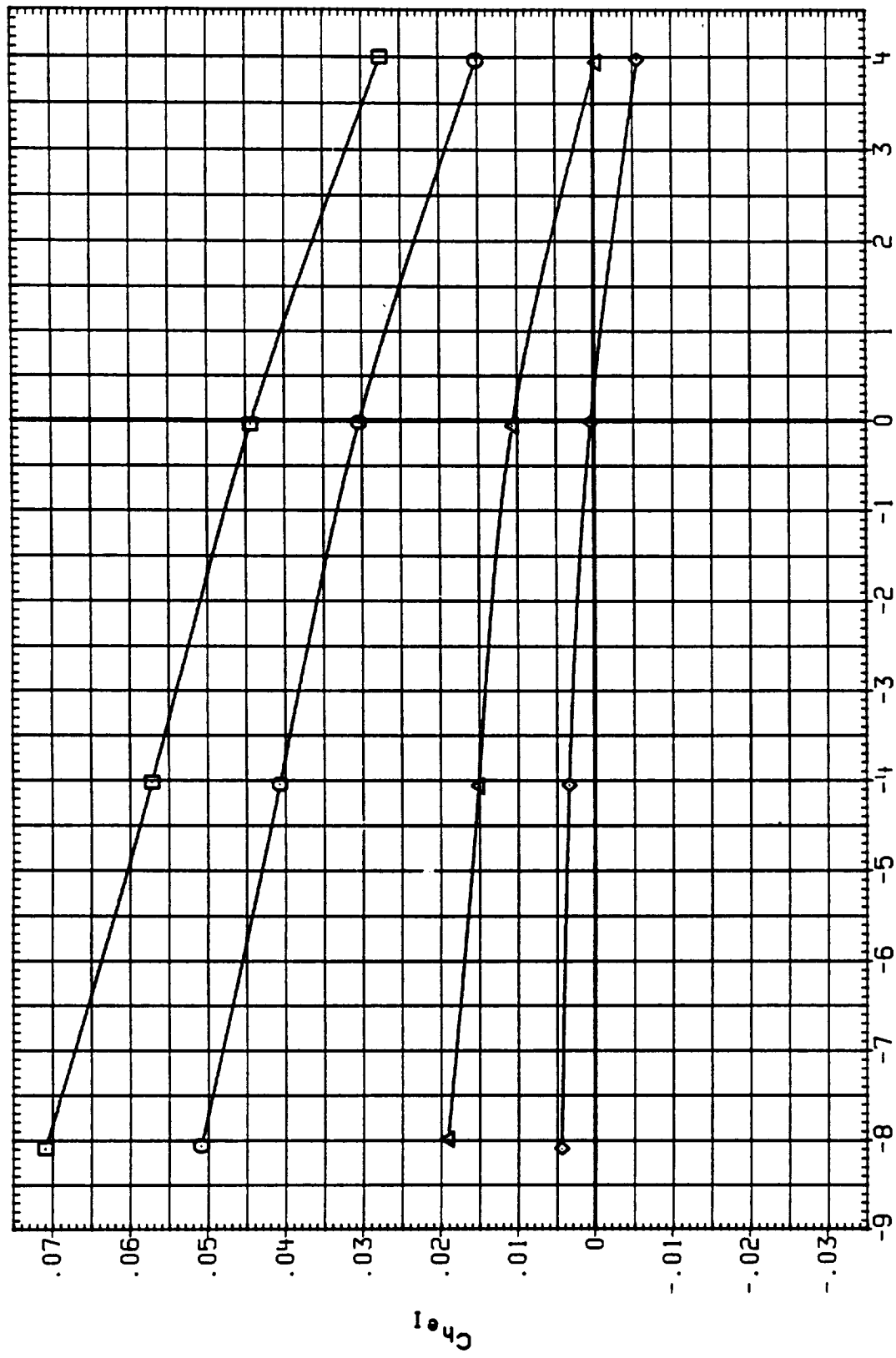


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-ABOX	IB-ELV	OB-ELV
SC0074	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.300	BOTTOM	10.000	5.000
SC0074	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.300	BOTTOM	8.000	5.000
SC0089	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.3	1.300	BOTTOM	10.000	5.000
SC0087	IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES S1.3	1.300	BOTTOM	8.000	5.000

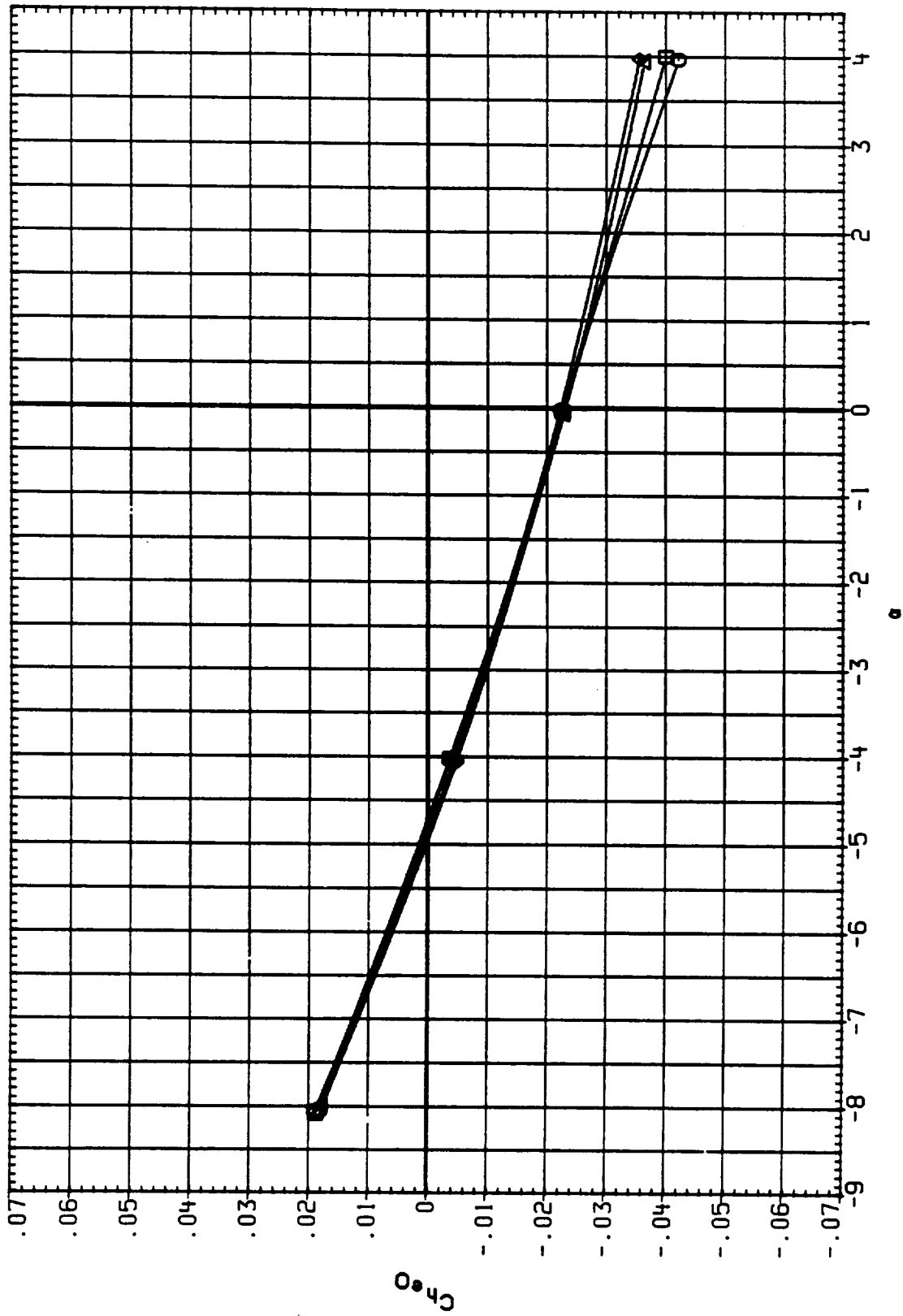


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	ACH	IEABOX	IB-ELV	OB-ELV
SC0074	IAG13A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.300	BOTTOM	10.000	5.000
SC00A4	IAG13A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.300	BOTTOM	8.000	5.000
SC00B9	IAG13A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.300	BOTTOM	10.000	5.000
SC00B7	IAG13A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.300	BOTTOM	8.000	5.000

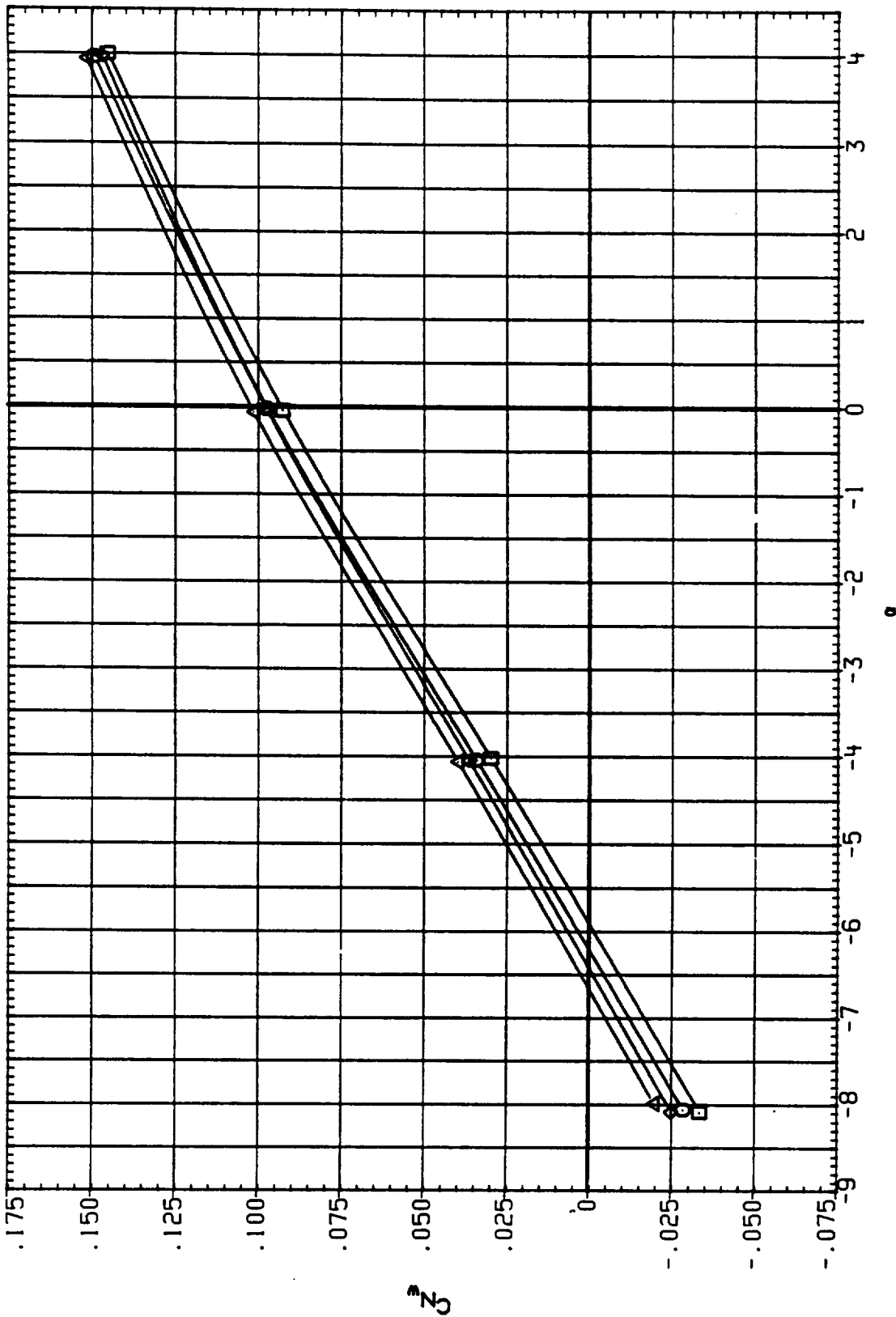


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-ABOX	IB-ELV	OB-ELV
SC0074	IA613A(AEDC 161F-829) B/L O1 + ASRH, PLUMES OFF	1.300	BOTTOM	10.000	5.000
SC0044	IA613A(AEDC 161F-829) B/L O1 + ASRH, PLUMES OFF	1.300	BOTTOM	8.000	5.000
SC0089	IA613A(AEDC 161F-829) B/L O1 + ASRH+PLUMES S1.3	1.300	BOTTOM	10.000	5.000
SC0087	IA613A(AEDC 161F-829) B/L O1 + ASRH+PLUMES S1.3	1.300	BOTTOM	8.000	5.000

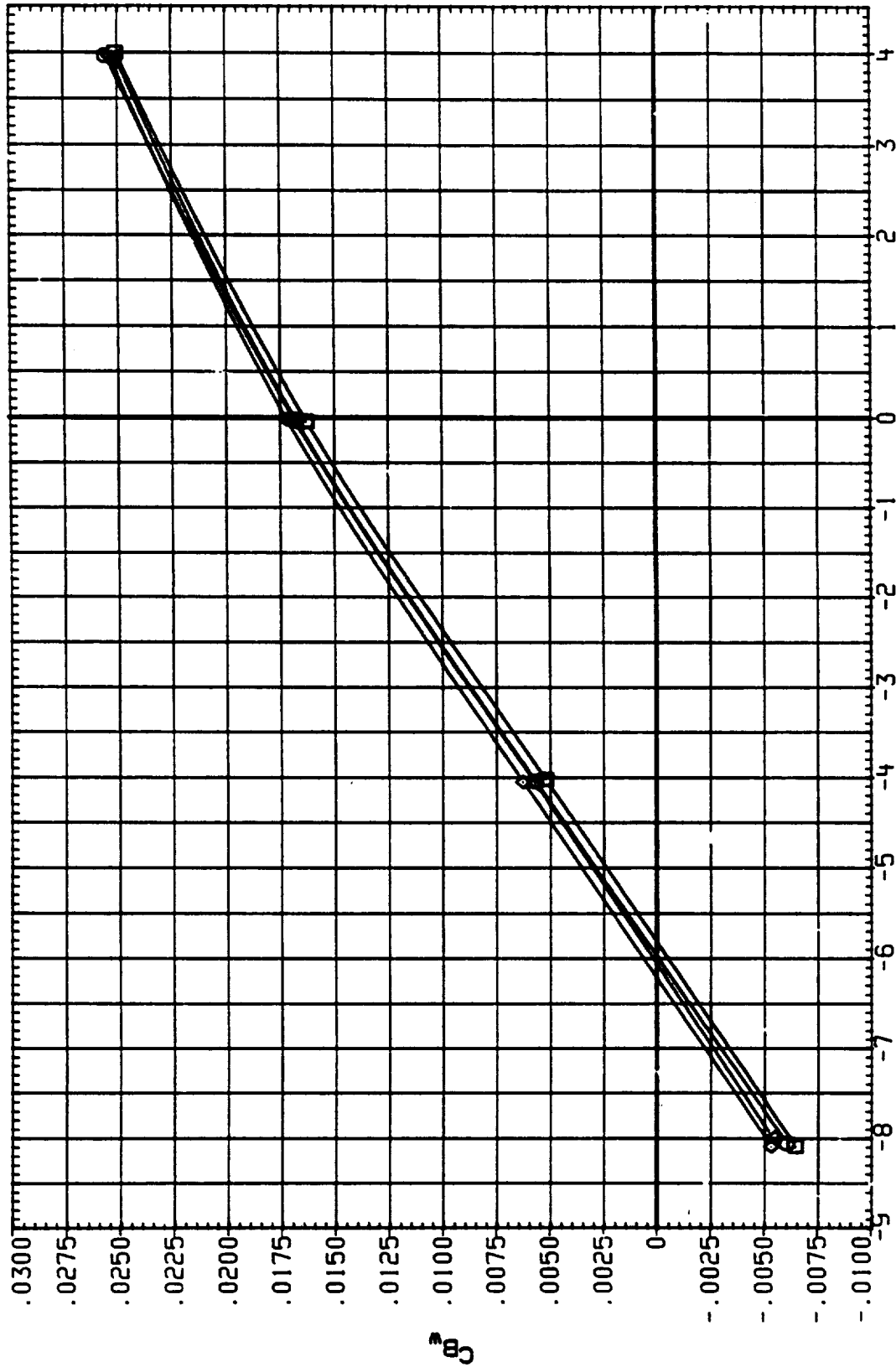
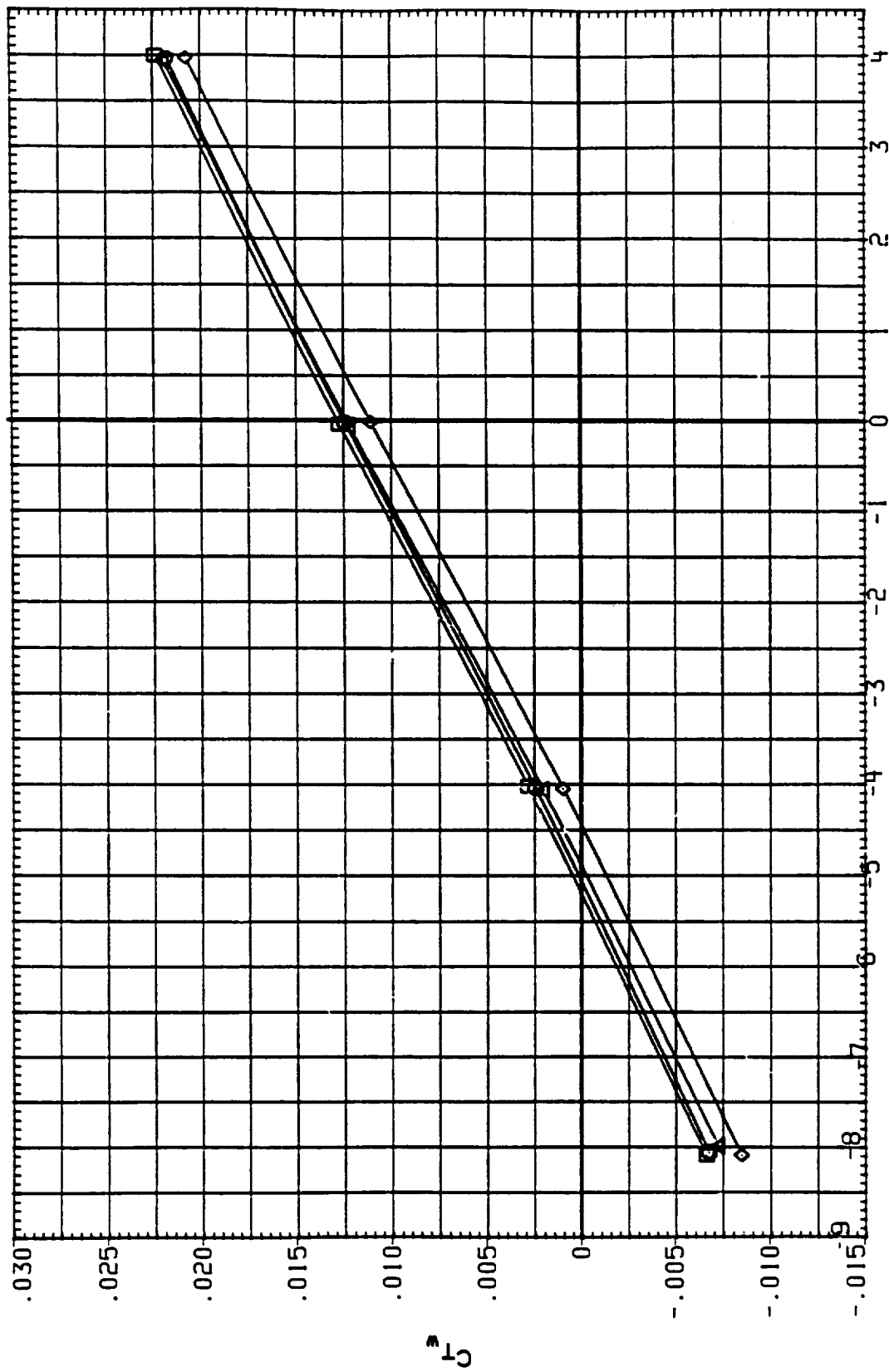


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LE-BOX	IB-ELV	OB-ELV
SC0074	IA613A1AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.300	BOTTOM	10.000	5.000
SC0084	IA613A1AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.300	BOTTOM	8.000	5.000
SC0089	IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.300	BOTTOM	10.000	5.000
SC0087	IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.300	BOTTOM	8.000	5.000



0

FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH LEABOX 1B-ELV 09-ELV

SC0075 □ IAG13A1AEDC 16TF-829) B/L OT + ASRH, PLUMES OFF 1.350 BOTTOM 10.000 5.000

SC00A5 ○ IAG13A1AEDC 16TF-829) B/L OT + ASRH, PLUMES OFF 1.350 BOTTOM 8.000 5.000

SC0090 ◇ IAG13A1AEDC 16TF-829) B/L OT + ASRH+PLUMES 51.3 1.350 BOTTOM 10.000 5.000

SC0088 △ IAG13A1AEDC 16TF-829) B/L OT + ASRH+PLUMES 51.3 1.350 BOTTOM 8.000 5.000

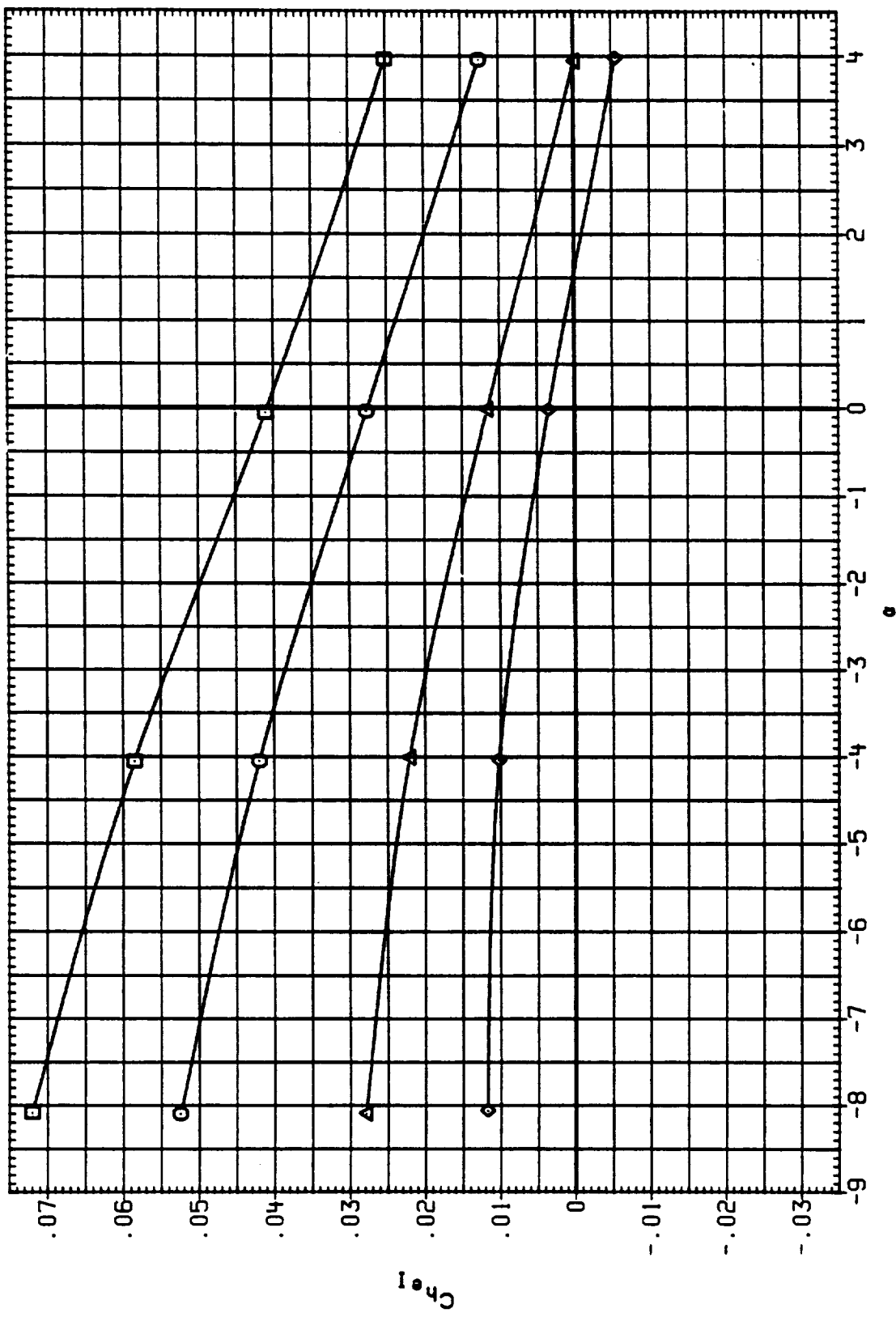


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0075	IAB13A1AEDC 16TF-829) B/L OT + ASRM, PLUMES	1.350	BOTTOM	10.000	5.000
SC00A5	IAB13A1AEDC 16TF-829) B/L OT + ASRM, PLUMES	1.350	BOTTOM	8.000	5.000
SC0090	IAB13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.350	BOTTOM	10.000	5.000
SC0088	IAB13A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.350	BOTTOM	8.000	5.000

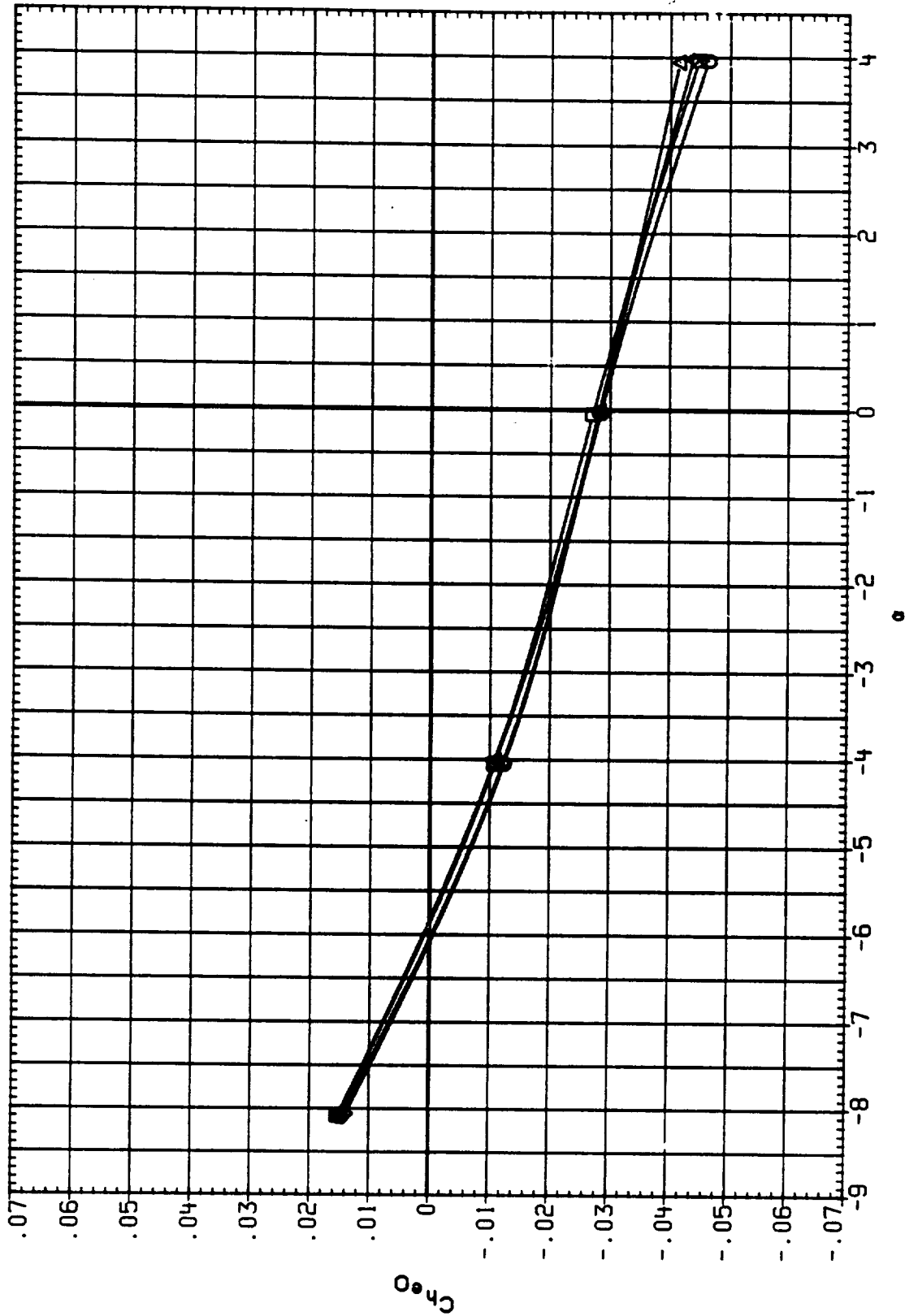


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-BOX	IB-ELV	OB-ELV
SC0075	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.350	BOTTOM	10.000	5.000
SC00A5	IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.350	BOTTOM	8.000	5.000
SC0090	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.350	BOTTOM	10.000	5.000
SC0088	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.350	BOTTOM	8.000	5.000

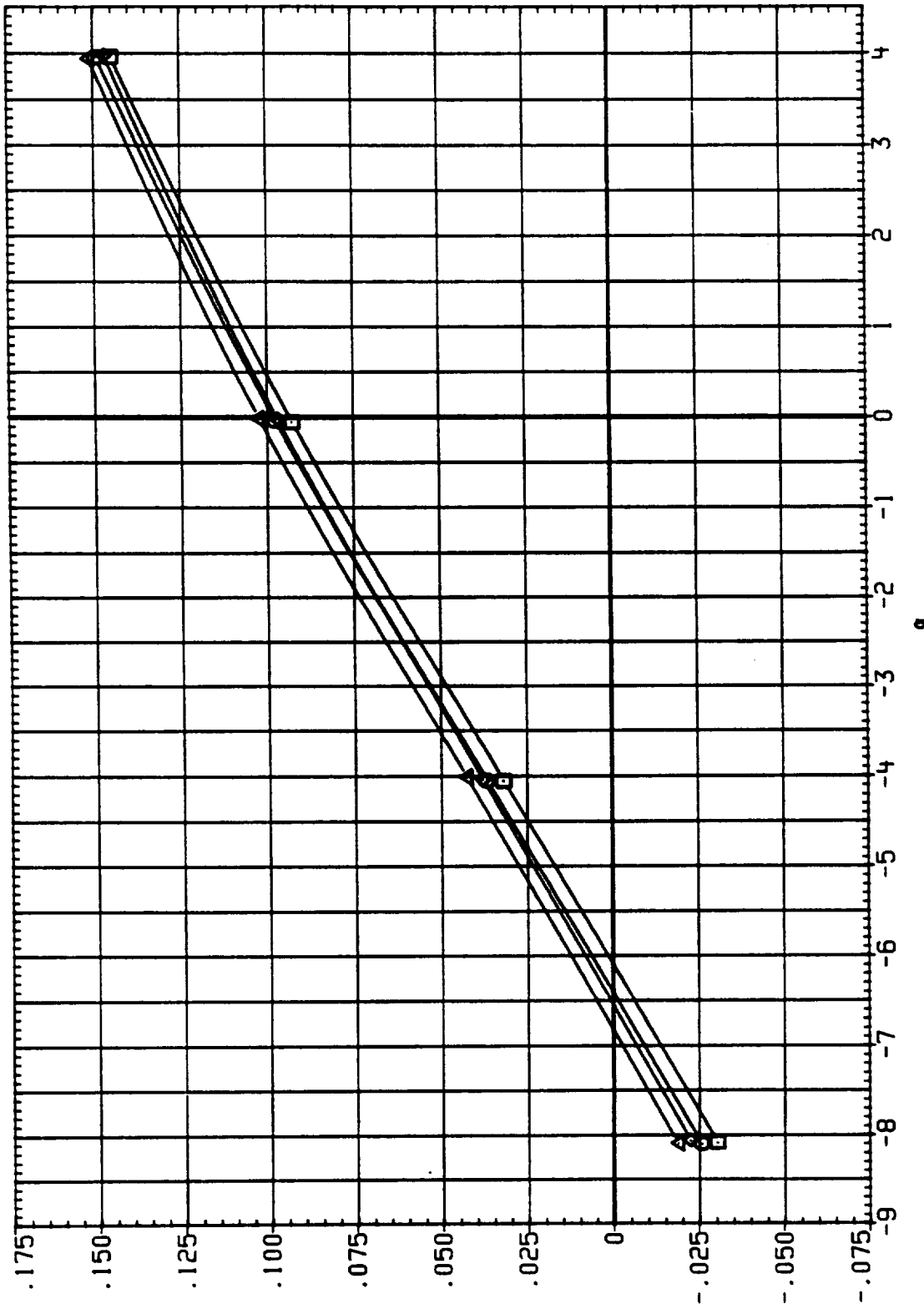


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

0-51

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
SC0075	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES	1.350	BOTTOM	10.000	5.000
SC00A5	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES	1.350	BOTTOM	8.000	5.000
SC0090	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.350	BOTTOM	10.000	5.000
SC0088	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.350	BOTTOM	8.000	5.000

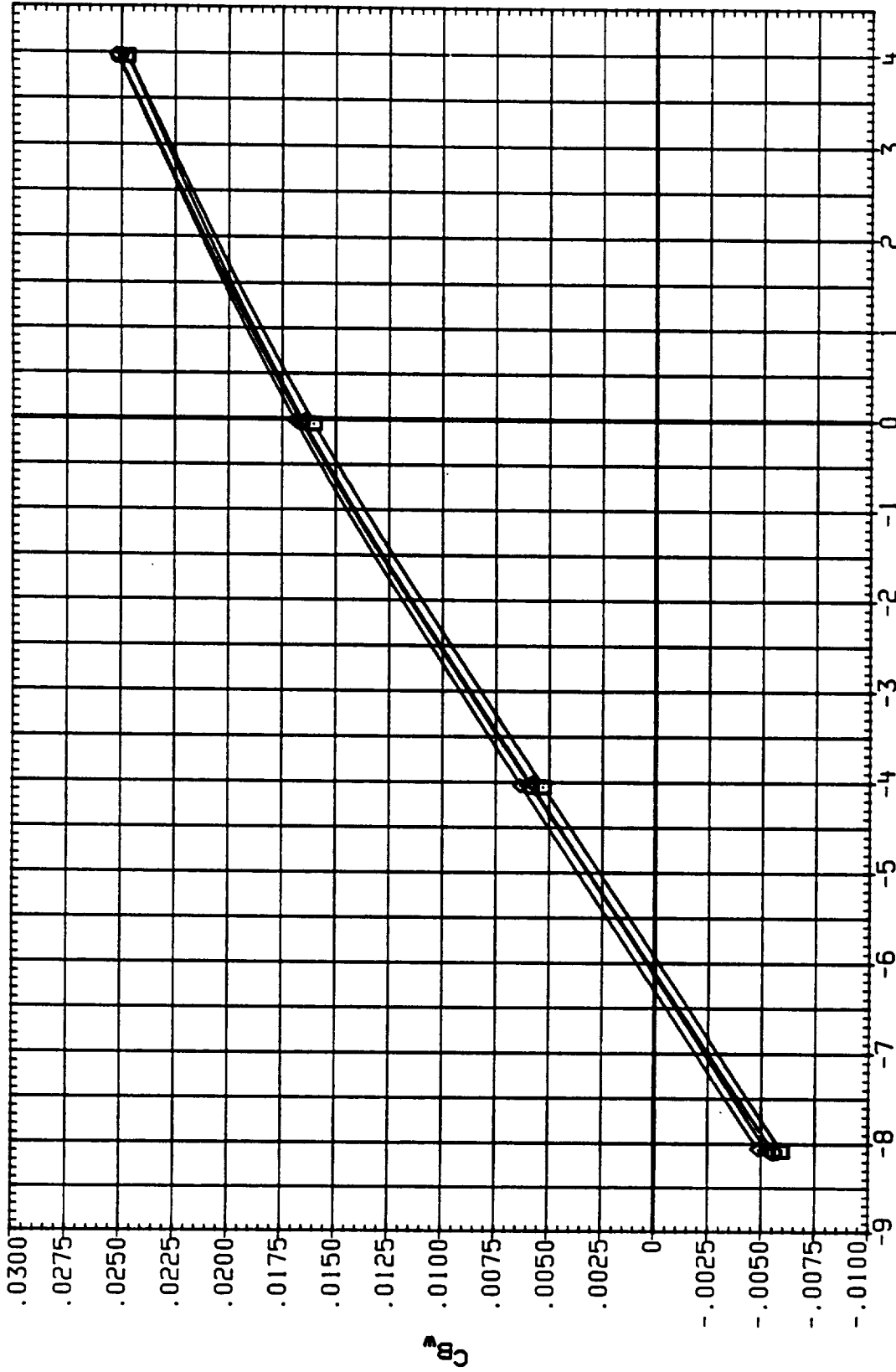


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

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OF POOR QUALITY

DATA SET SYMBOL

SC0075
SC00A5
SC0090
SC0088

CONFIGURATION

IAB13A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
IAB13A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
IAB13A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3
IAB13A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3

MACH

1.350
1.350
1.350
1.350

IE-ABOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

IB-ELV

10.000
8.000
10.000
8.000

OB-ELV

5.000
5.000
5.000
5.000

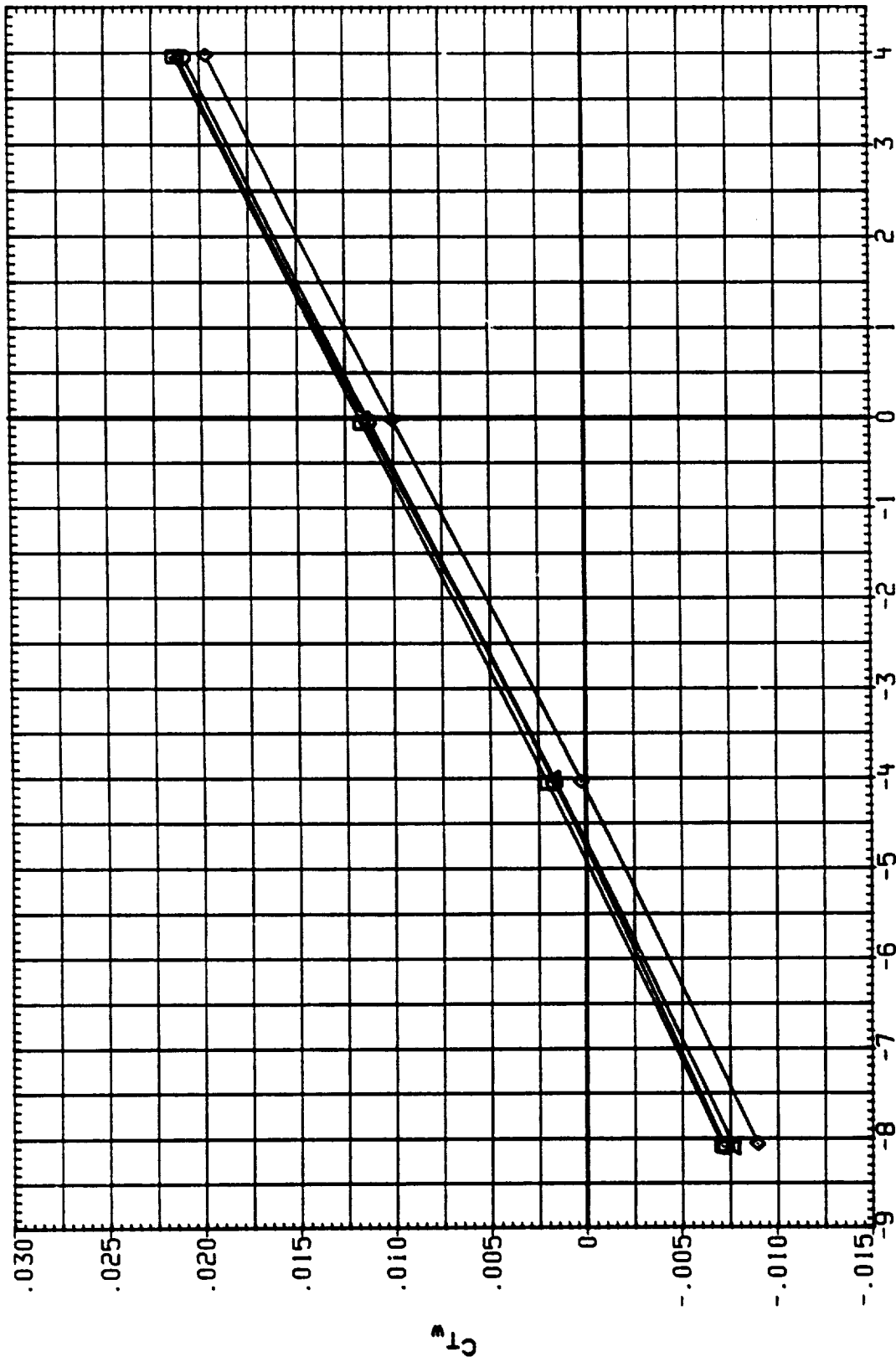


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

- SC0076
- SC0078
- SC0086
- SC0091
- SC0093
- SC0089

CONFIGURATION

- IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
- IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
- IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
- IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
- IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES 51.3
- IAB13A1AEDC 161F-829) B/L OT + ASRM, PLUMES 51.3

- ACH 1.400
- 1B-ELV 10.000
- 1EABOX BOTTOM
- 1EABOX BOTTOM
- 1EABOX BOTTOM
- 1EABOX BOTTOM
- 1EABOX BOTTOM
- 1EABOX BOTTOM
- OB-ELV 5.000
- OB-ELV -5.000
- OB-ELV 5.000
- OB-ELV -5.000
- OB-ELV 5.000
- OB-ELV -5.000

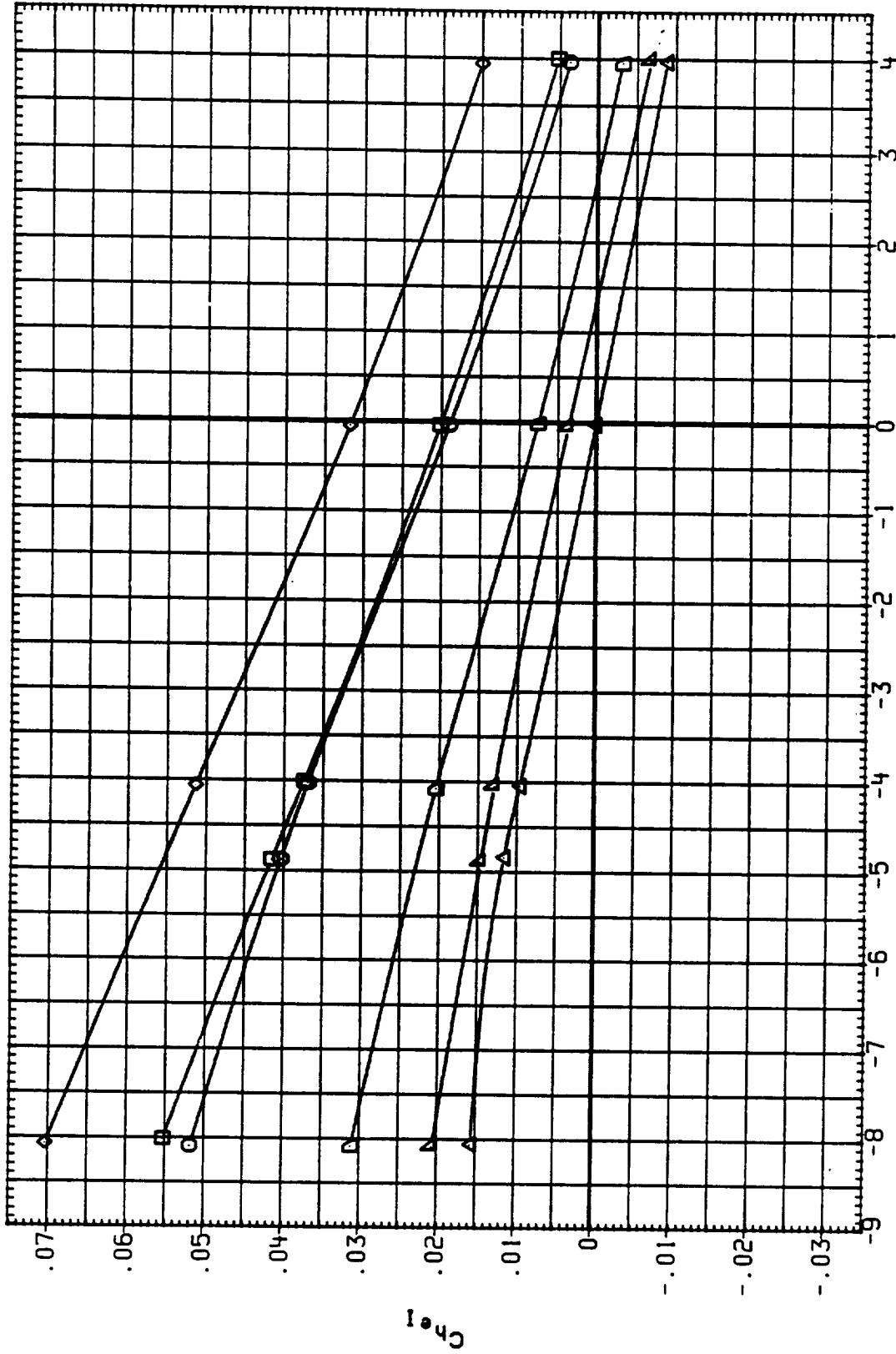


FIG. 7 EFFECT OF ELEVON SCHEDULES ON WING LOADS

(A) BETA = .00

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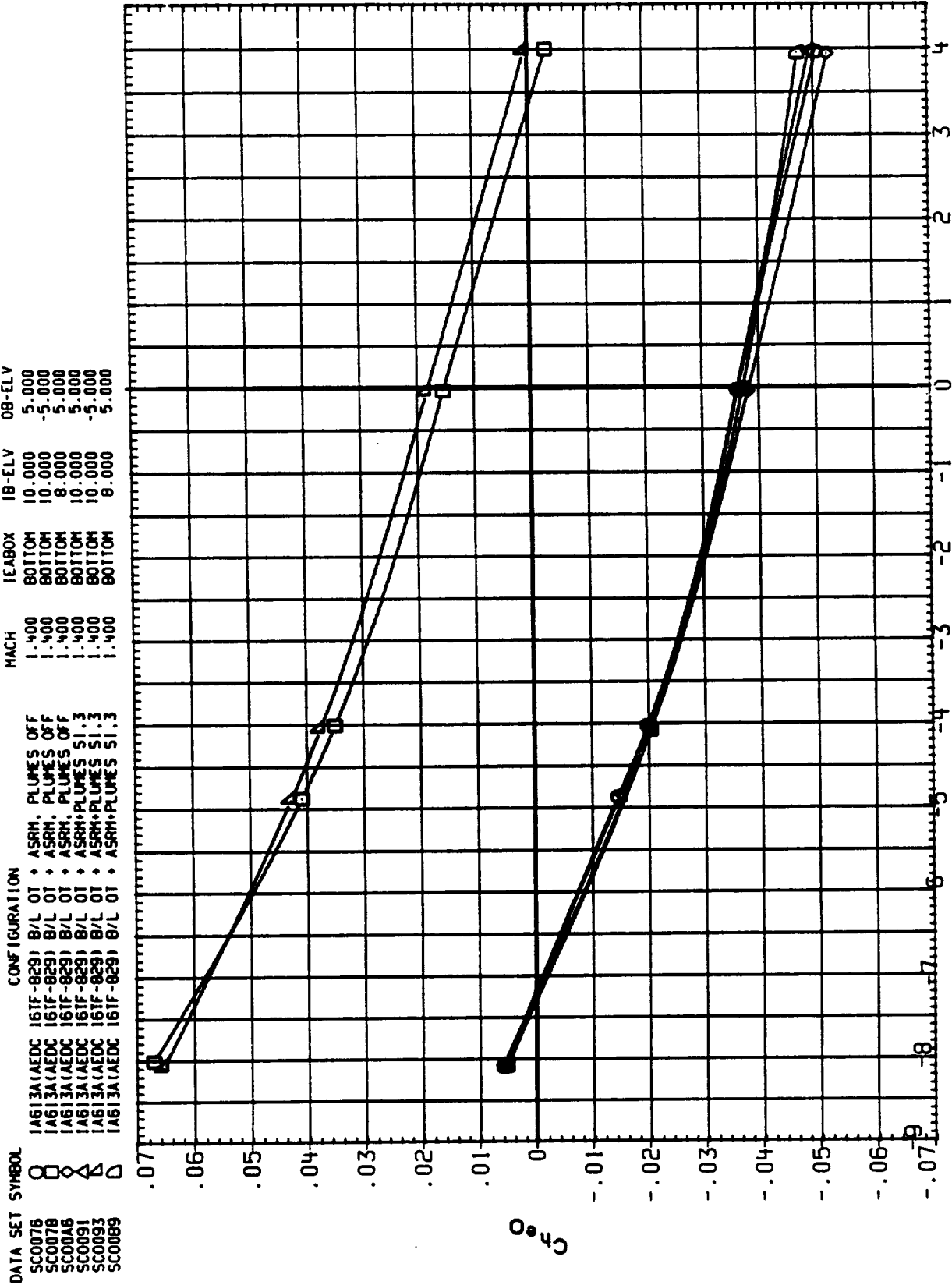


FIG. 7 EFFECT OF ELEVEN SCHEDULES WING LOADS

(A) BETA = .00

DATA SET SYMBOL

- SC0076 □
- SC0078 ○
- SC00A6 △
- SC0091 ▲
- SC0093 ▽
- SC0089 ▢

CONFIGURATION

- IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUM
- IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUM
- IA613A(AEDC 16TF-829) B/L OT + ASRH, PLUM
- IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMS S1.3
- IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMS S1.3
- IA613A(AEDC 16TF-829) B/L OT + ASRH+PLUMS S1.3

- MACH 1.400
- 1.400
- 1.400
- 1.400
- 1.400
- 1.400

- TE-AGGA BOTTOM
- BOTTOM
- BOTTOM
- BOTTOM
- BOTTOM
- BOTTOM

- 10.000
- 10.000
- 8.000
- 10.000
- 10.000
- 8.000

- 5.000
- 5.000
- 5.000
- 5.000
- 5.000
- 5.000

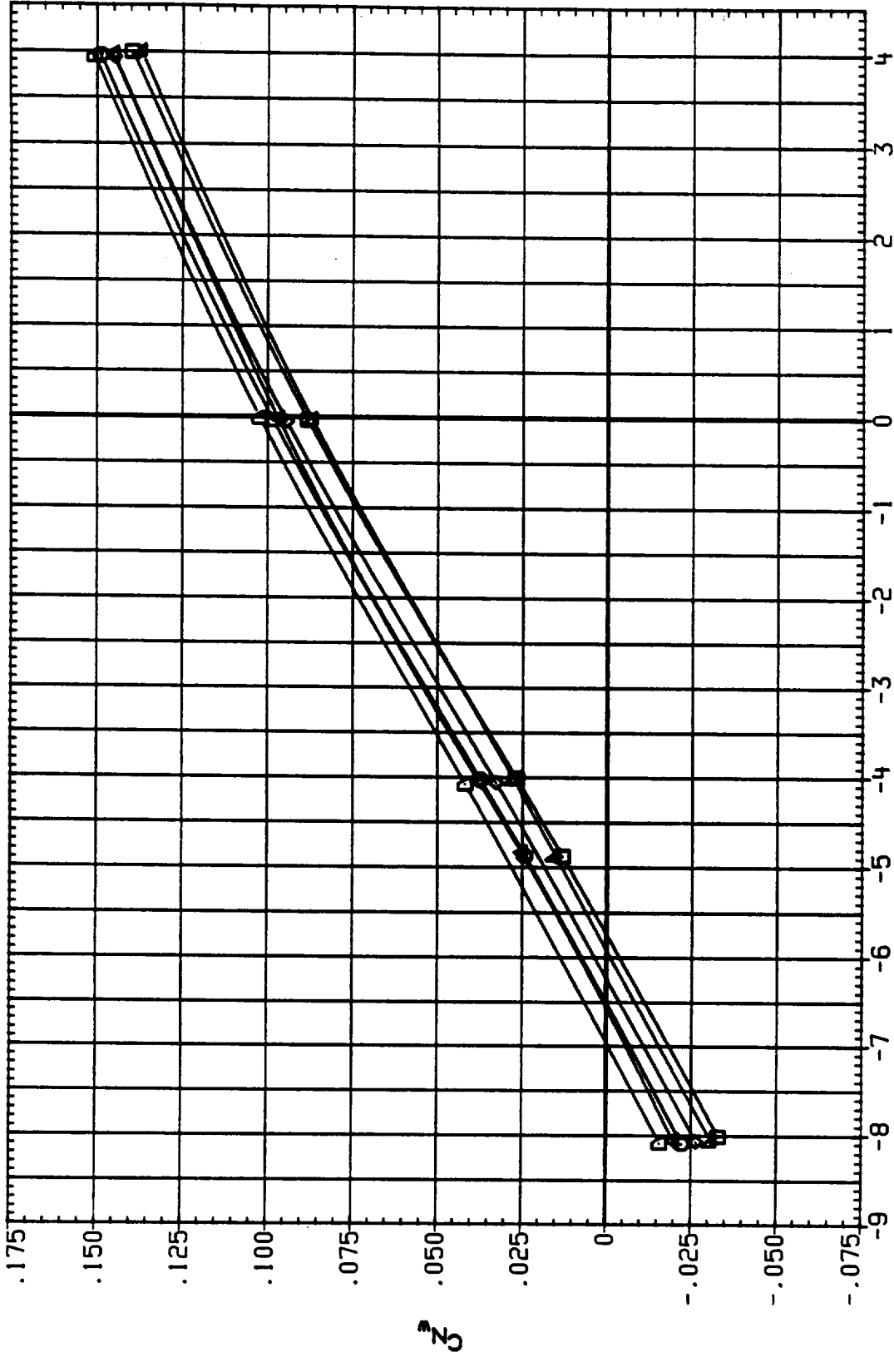


FIG. 7 EFFECT OF ELEVON SCHEDULES WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0076	○	1A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.400	BOTTOM	10.000	5.000
SC0078	◇	1A613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	1.400	BOTTOM	10.000	5.000
SC0091	△	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	BOTTOM	10.000	5.000
SC0093	▽	1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.400	BOTTOM	10.000	5.000

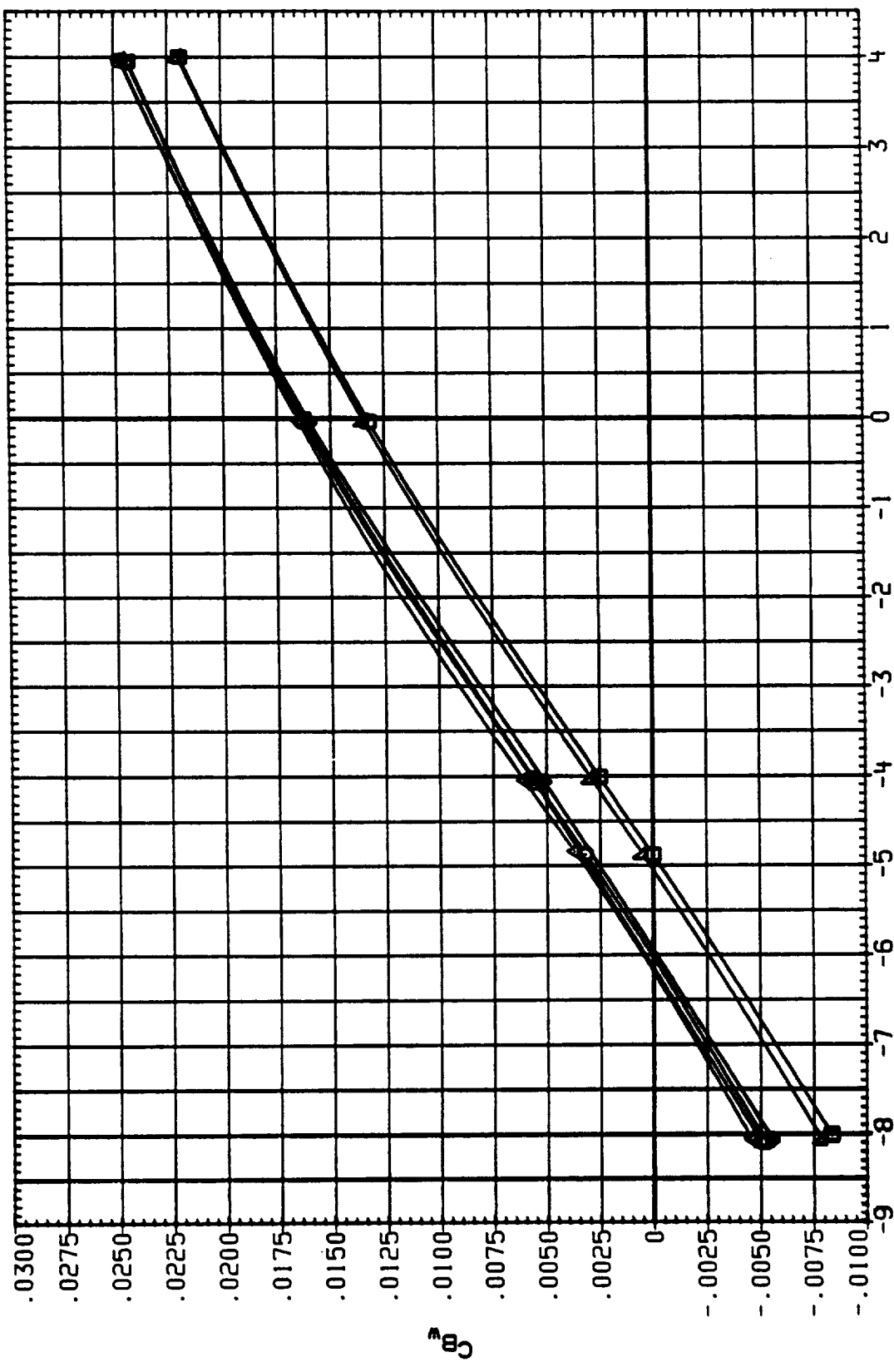


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-BOX	IE-ELV	OB-ELV
SC0076	I A613A(AEDC 16TF-829) B/L OT + ASRM, PLUNES OFF	1.400	BOTTOM	10.000	5.000
SC0078	I A613A(AEDC 16TF-829) B/L OT + ASRM, PLUNES OFF	1.400	BOTTOM	10.000	-5.000
SC00A6	I A613A(AEDC 16TF-829) B/L OT + ASRM, PLUNES OFF	1.400	BOTTOM	8.000	5.000
SC0091	I A613A(AEDC 16TF-829) B/L OT + ASRM+PLUNES S1.3	1.400	BOTTOM	10.000	5.000
SC0093	I A613A(AEDC 16TF-829) B/L OT + ASRM+PLUNES S1.3	1.400	BOTTOM	10.000	-5.000
SC0089	I A613A(AEDC 16TF-829) B/L OT + ASRM+PLUNES S1.3	1.400	BOTTOM	8.000	5.000

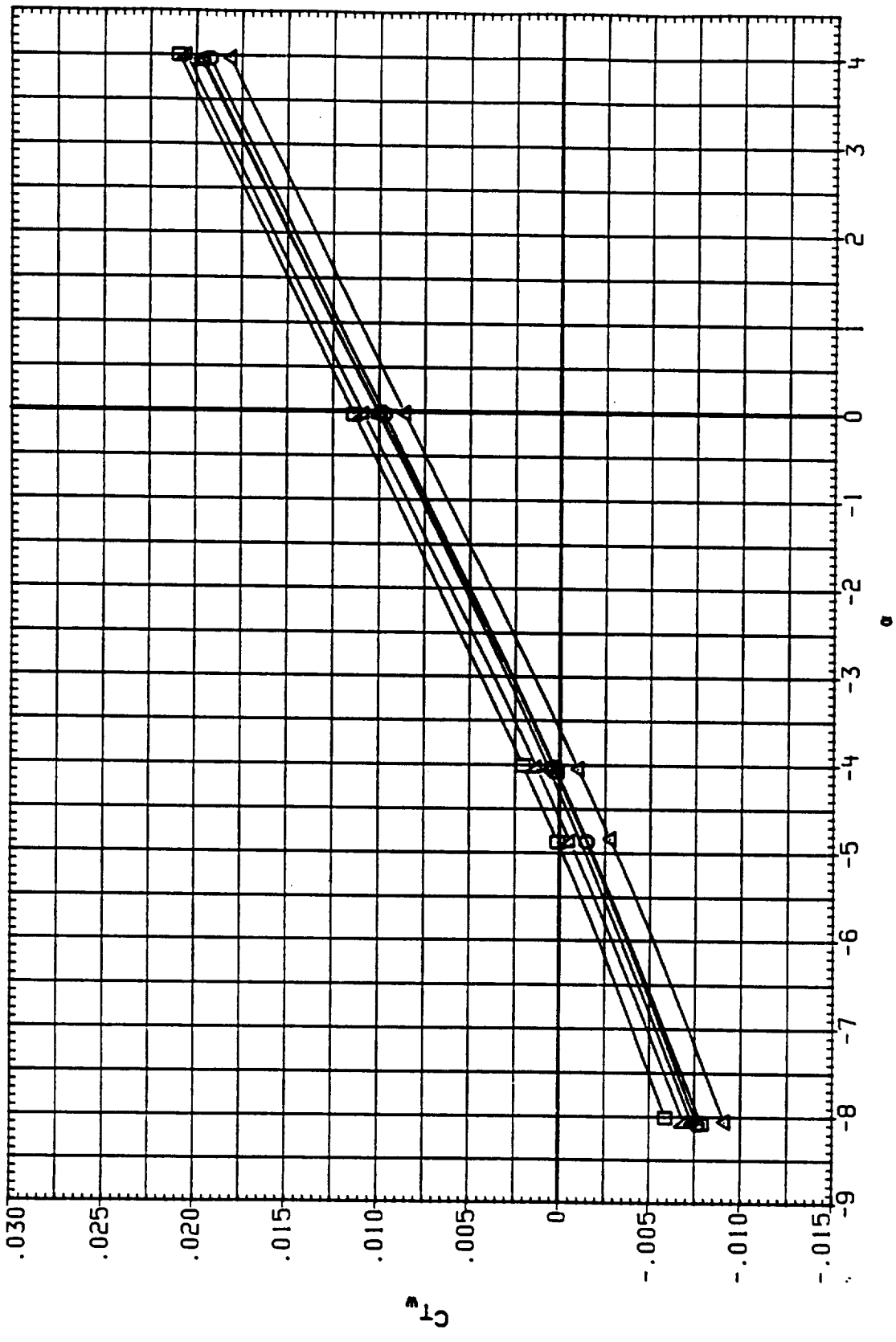


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A.) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-ABOX	IB-ELV	OB-ELV
SC0077	IAGI3AIAEDC 16TF-829J B/L OT + ASRM, PLUMES OFF	1.550	BOTTOM	10.000	5.000
SC0079	IAGI3AIAEDC 16TF-829J B/L OT + ASRM, PLUMES OFF	1.550	BOTTOM	10.000	-5.000
SC00A7	IAGI3AIAEDC 16TF-829J B/L OT + ASRM, PLUMES OFF	1.550	BOTTOM	8.000	5.000
SC0092	IAGI3AIAEDC 16TF-829J B/L OT + ASRM, PLUMES S1.3	1.550	BOTTOM	10.000	5.000
SC0094	IAGI3AIAEDC 16TF-829J B/L OT + ASRM, PLUMES S1.3	1.550	BOTTOM	10.000	-5.000
SC00C0	IAGI3AIAEDC 16TF-829J B/L OT + ASRM, PLUMES S1.3	1.550	BOTTOM	8.000	5.000

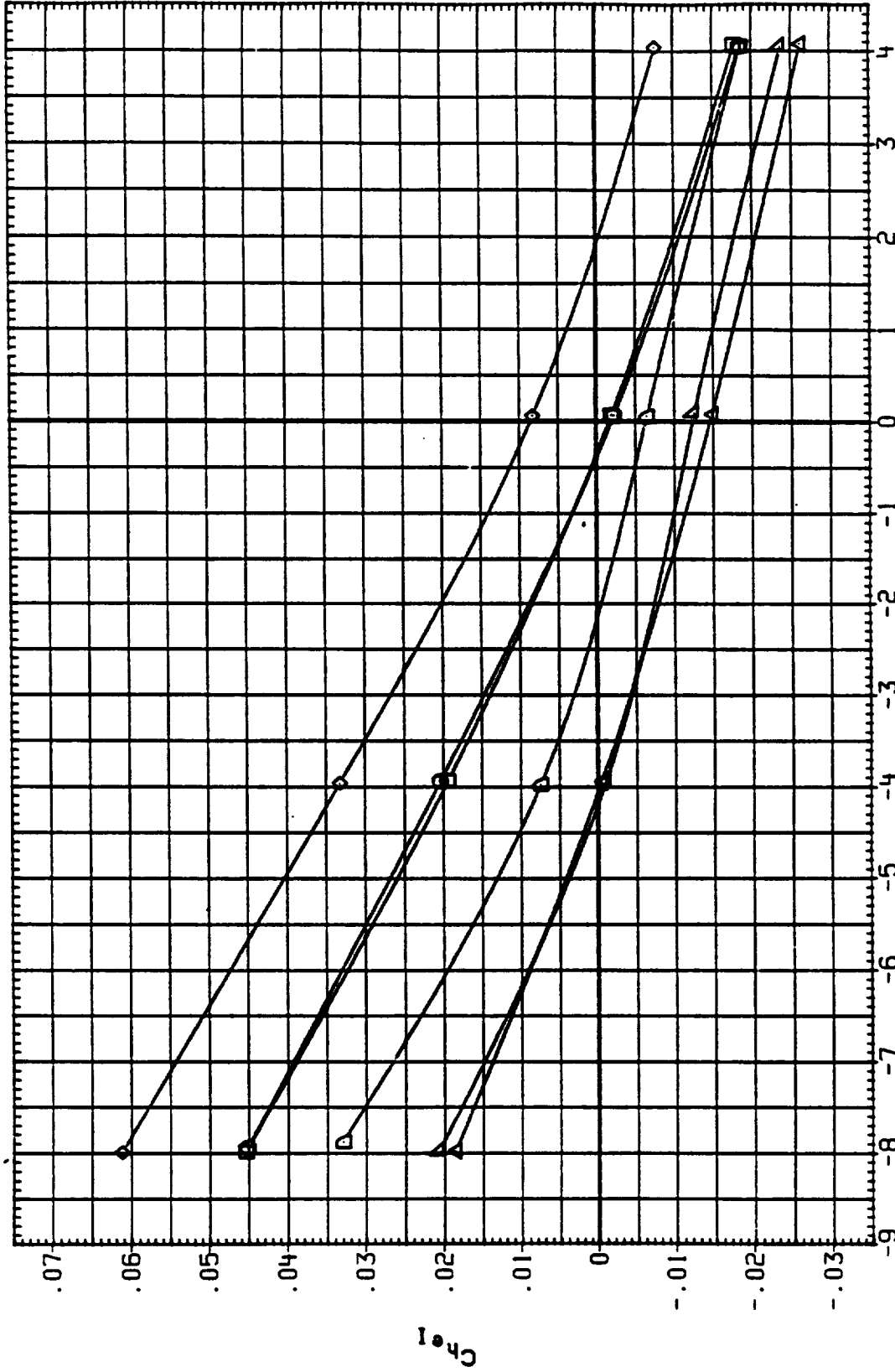


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0077
SC0079
SC00A7
SC0092
SC0094
SC00C0

CONF IGURATION

I A613A1AEDC I6TF-829) B/L 0T + ASRH, PLUMES OFF
I A613A1AEDC I6TF-829) B/L 0T + ASRH, PLUMES OFF
I A613A1AEDC I6TF-829) B/L 0T + ASRH, PLUMES OFF
I A613A1AEDC I6TF-829) B/L 0T + ASRH, PLUMES S1.3
I A613A1AEDC I6TF-829) B/L 0T + ASRH, PLUMES S1.3
I A613A1AEDC I6TF-829) B/L 0T + ASRH, PLUMES S1.3

ACH IEABOX IB-ELV OB-ELV
1.550 BOTTOM 10.000 5.000
1.550 BOTTOM 10.000 -5.000
1.550 BOTTOM 8.000 5.000
1.550 BOTTOM 10.000 5.000
1.550 BOTTOM 10.000 -5.000
1.550 BOTTOM 8.000 5.000

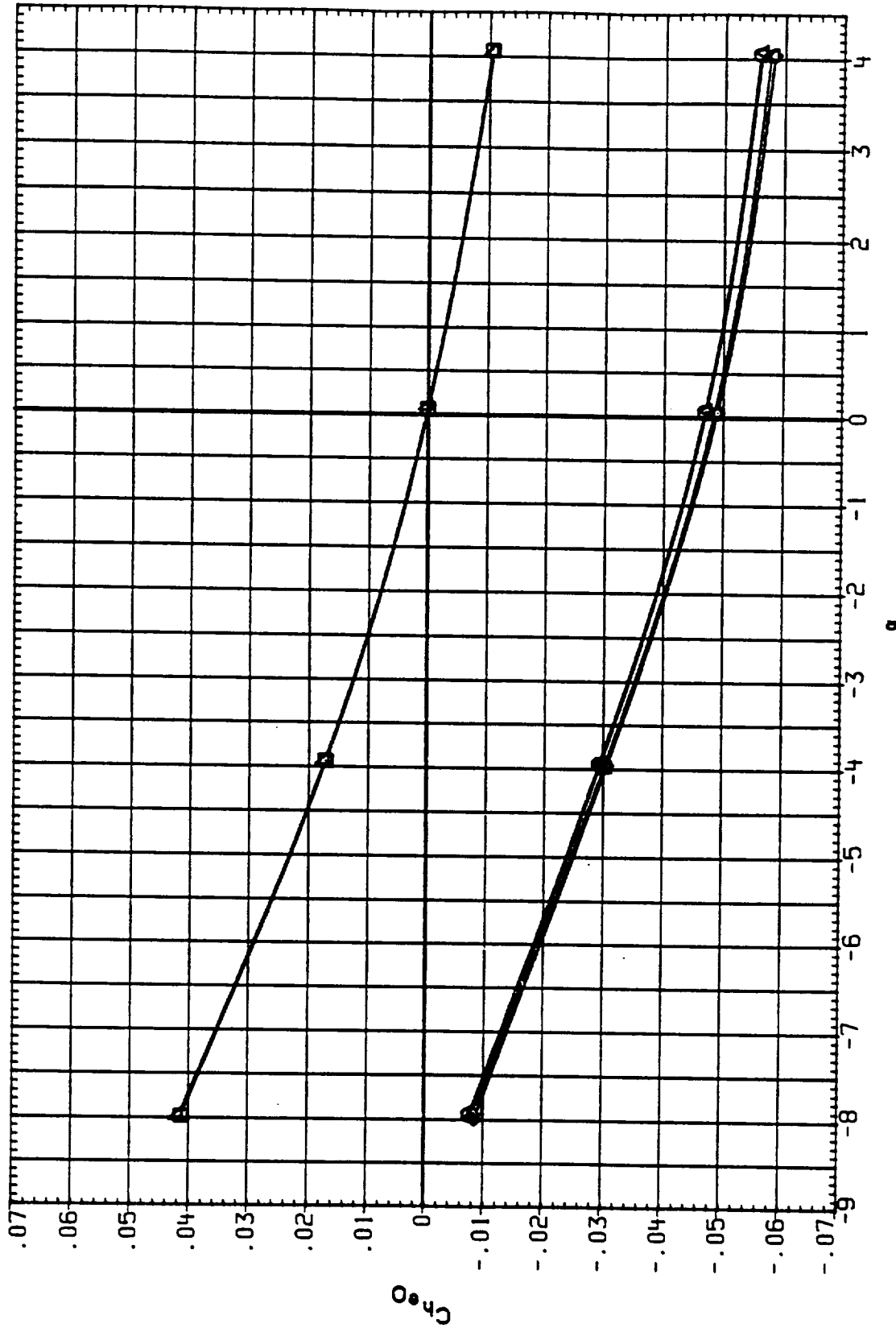


FIG. 7 EFFECT OF ELEVON SCHEDULES WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IE-BOX	IB-ELV	OB-ELV
SC0077	□	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.550	80110H	10.000	5.000
SC0079	◇	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.550	80110H	10.000	-5.000
SC00A7	△	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.550	80110H	8.000	5.000
SC0092	▽	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.550	80110H	10.000	5.000
SC0094	◇	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.550	80110H	10.000	-5.000
SC00C0	□	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3	1.550	80110H	8.000	5.000

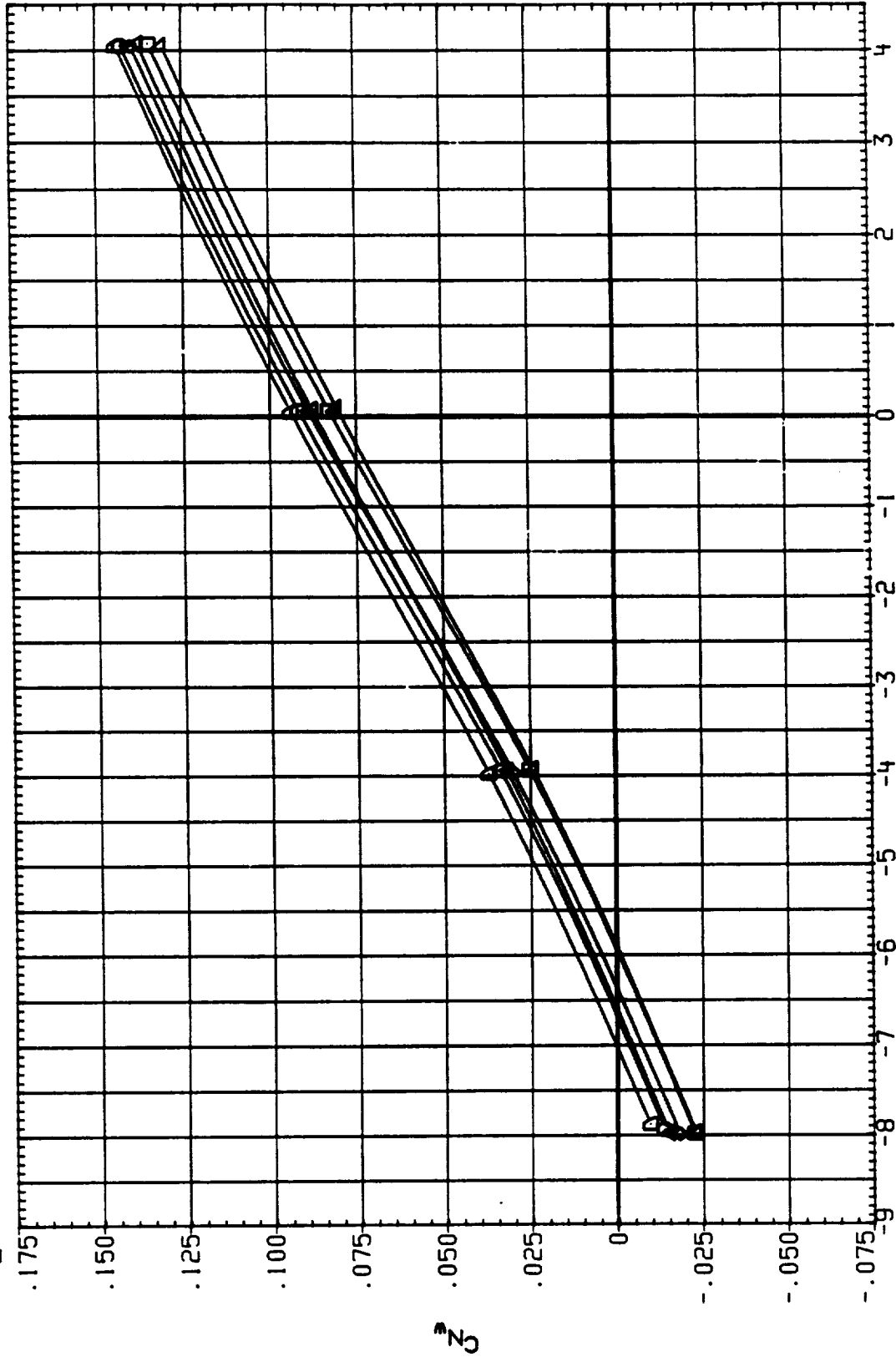


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE-ABOX	IB-ELV	OB-ELV
SC0077	IAG13A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.550	BOTTOM	10.000	5.000
SC0079	IAG13A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.550	BOTTOM	10.000	-5.000
SC00A7	IAG13A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.550	BOTTOM	8.000	5.000
SC0092	IAG13A(AEDC 161F-829) B/L OT + ASRH-PLUMES S1.3	1.550	BOTTOM	10.000	5.000
SC0094	IAG13A(AEDC 161F-829) B/L OT + ASRH-PLUMES S1.3	1.550	BOTTOM	10.000	-5.000
SC00C0	IAG13A(AEDC 161F-829) B/L OT + ASRH-PLUMES S1.3	1.550	BOTTOM	8.000	5.000

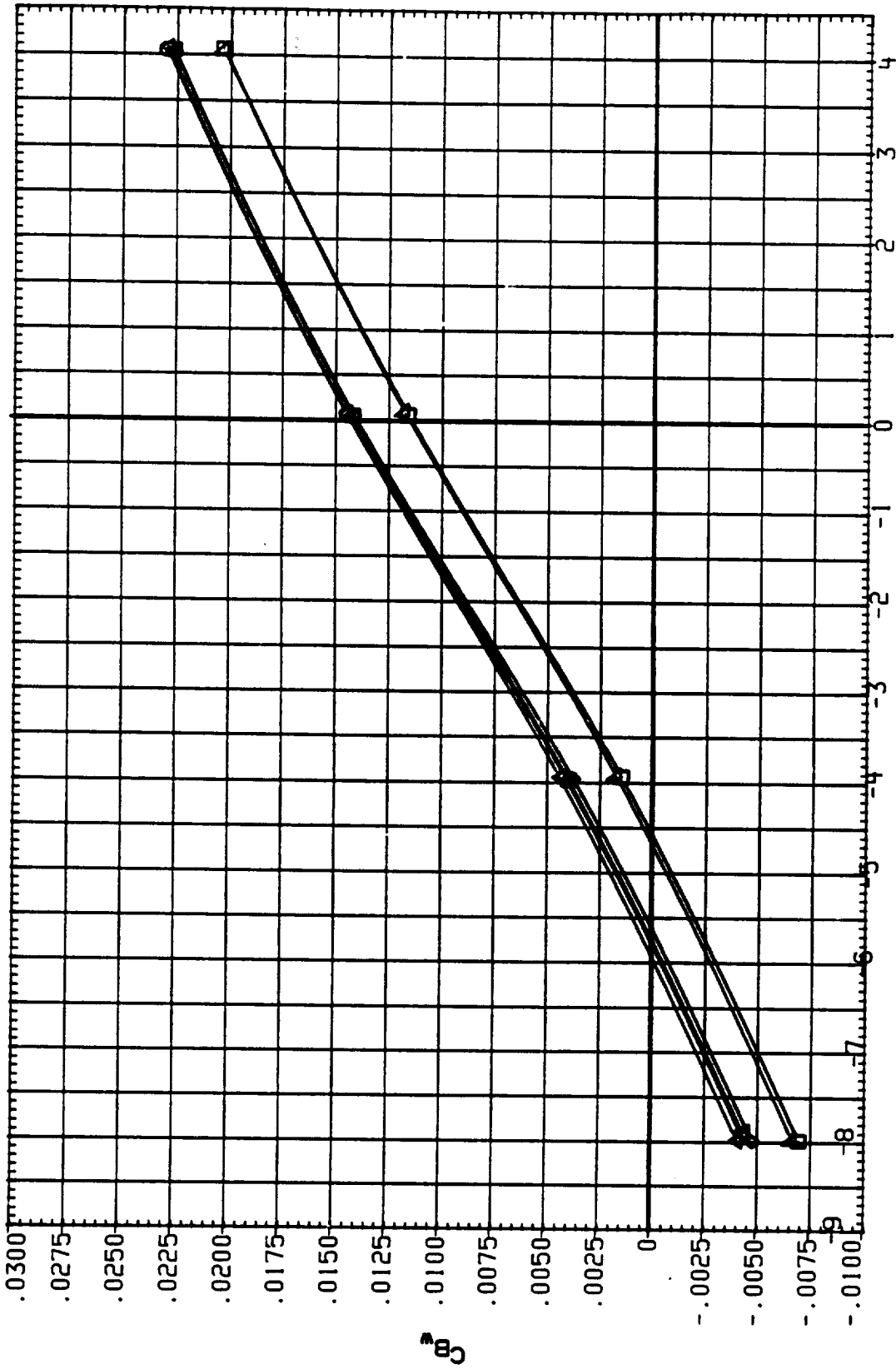


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0077	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.550	BOTTOM	10.000	5.000
SC0079	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.550	BOTTOM	10.000	-5.000
SC00A7	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	1.550	BOTTOM	8.000	5.000
SC00S2	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.3	1.550	BOTTOM	10.000	5.000
SC00S4	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.3	1.550	BOTTOM	10.000	-5.000
SC00C0	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES S1.3	1.550	BOTTOM	8.000	5.000

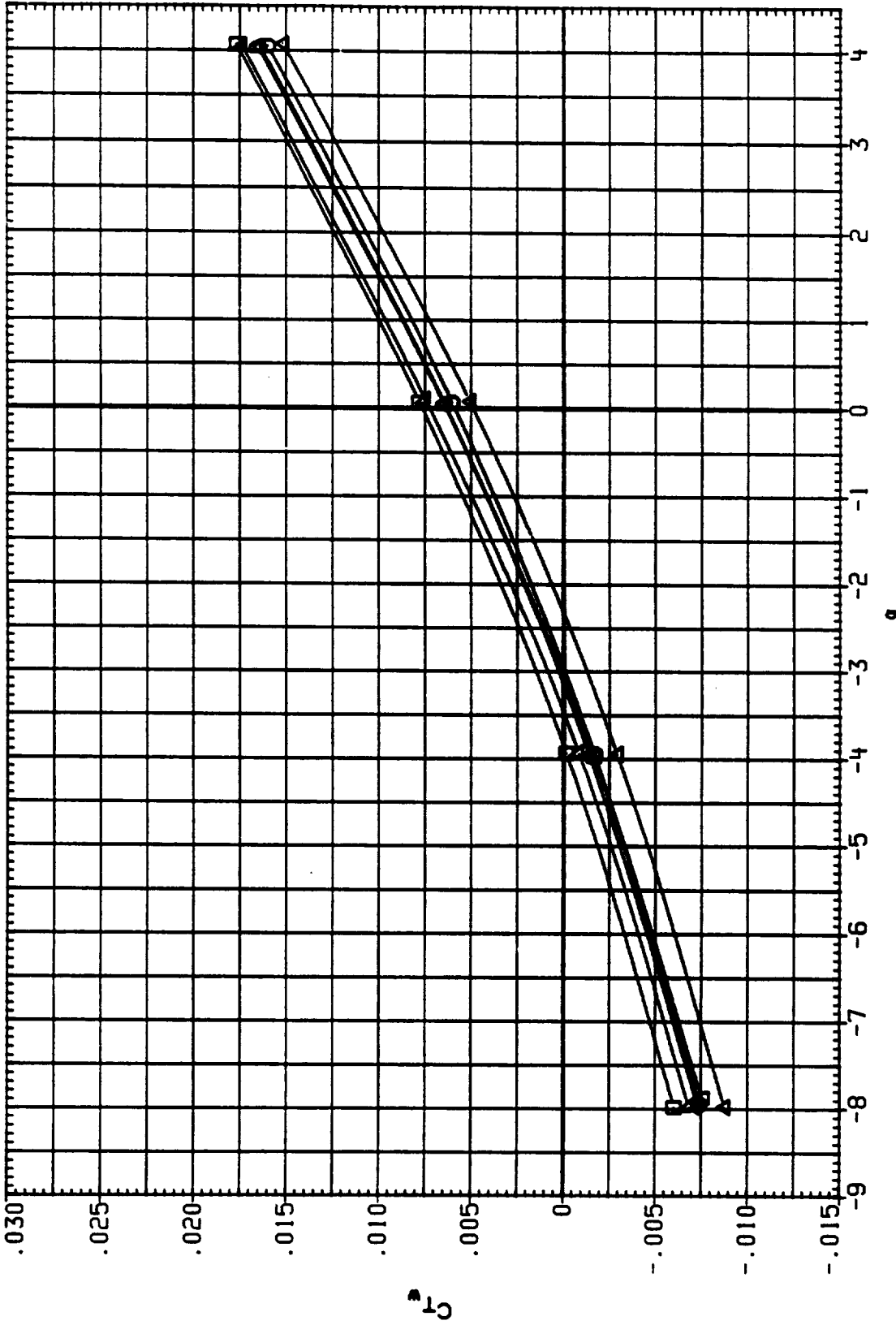


FIG. 7 EFFECT OF ELEVON SCHEDULES
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

RC0065
RC0095
RC0080
RC00AB

CONFIGURATION

IA613A1AEDC 161F-829) B/L OT + ASRH, PLUMES OFF
IA613A1AEDC 161F-829) B/L OT + ASRH, PLUMES OFF
IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2
IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2

WACH

.600
.600
.600

IEABOX

BOTTOM
BOTTOM
BOTTOM

IB-ELV

10.000
8.000
10.000

OB-ELV

9.000
9.000
9.000

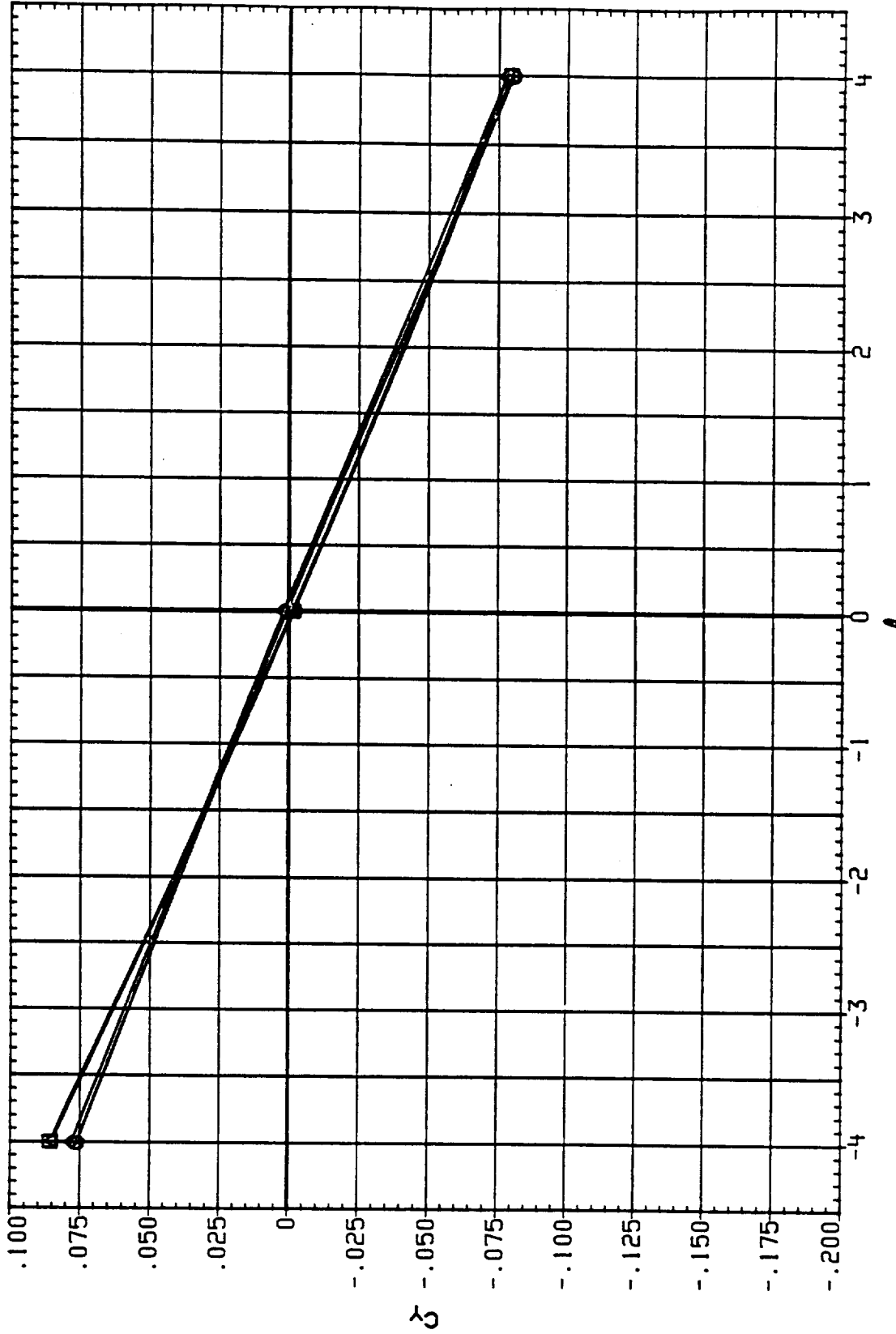


FIG. 8 EFFECT OF ELEVON SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LEABOX	1B-ELV	OB-ELV
RC0065	IAG13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	BOTTOM	10.000	9.000
RC0095	IAG13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF	.600	BOTTOM	8.000	9.000
RC0080	IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	BOTTOM	10.000	9.000
RC00A8	IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.600	BOTTOM	8.000	9.000

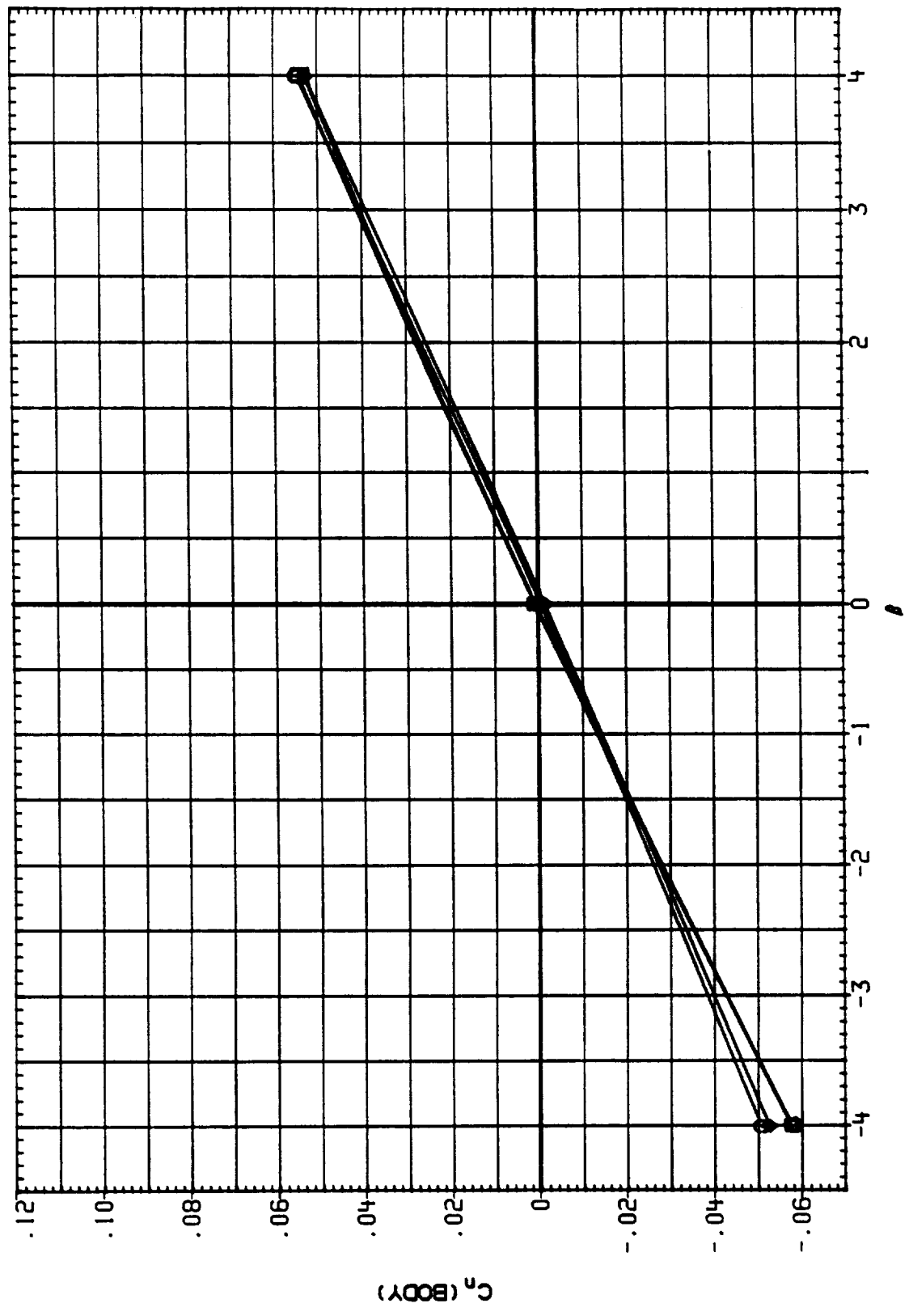


FIG. 8 EFFECT OF ELEVON SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL
 RC0065 ○
 RC0095 □
 RC0080 ◇
 RC0048 △

CONF IGURATION

IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
 IA613A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
 IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
 IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH

.600
 .600
 .600
 .600

IE-BOX

80110H
 80110H
 80110H
 80110H

IB-ELY

10.000
 8.000
 10.000
 8.000

OB-ELY

9.000
 9.000
 9.000
 9.000

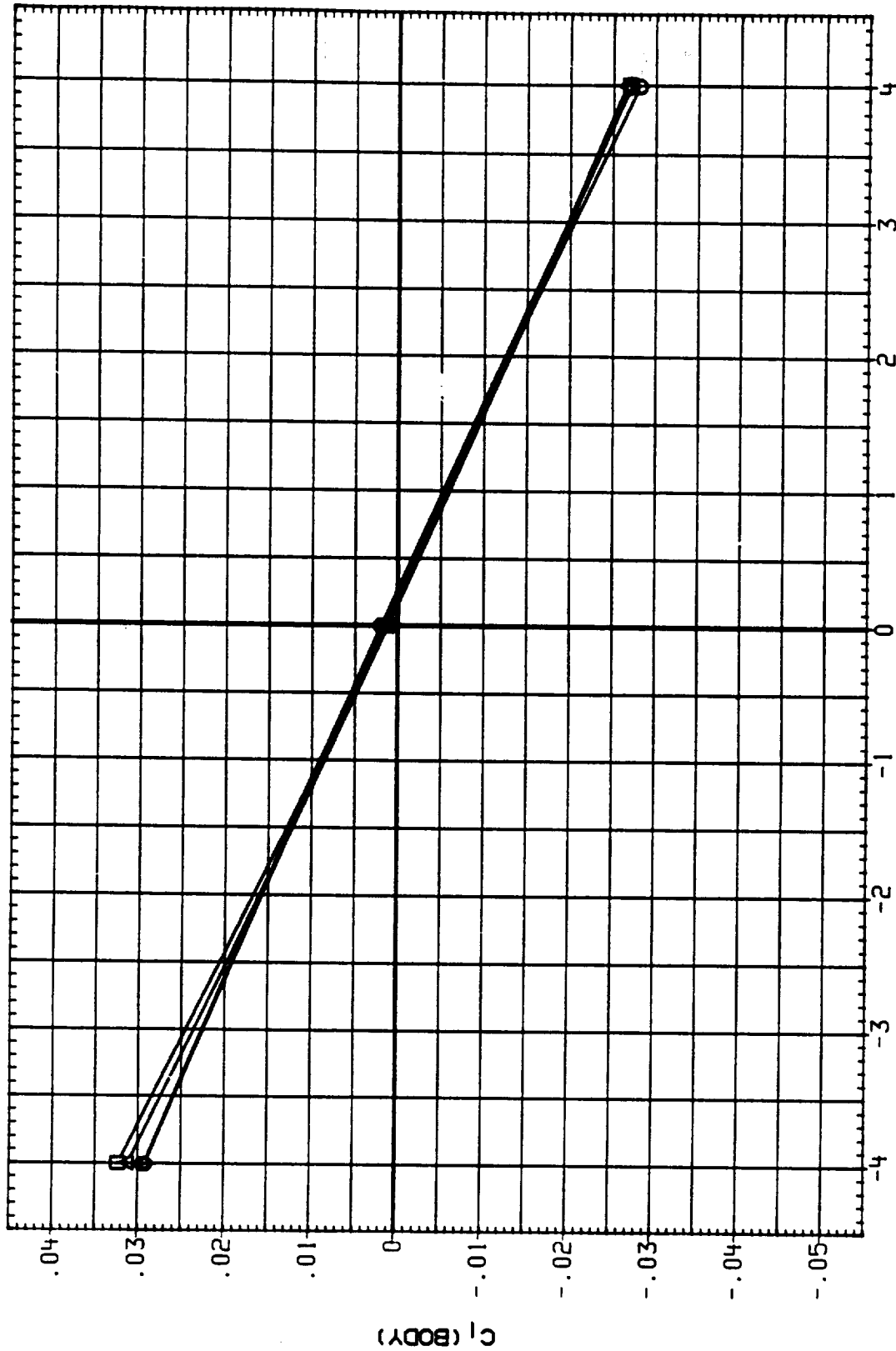


FIG. 8 EFFECT OF ELEVON SCHEDULES
 LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0086	□	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.800	BOTTOM	10.000	9.000
RC0096	○	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.800	BOTTOM	8.000	9.000
RC0081	◇	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.800	BOTTOM	10.000	9.000
RC00A9	△	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.800	BOTTOM	8.000	9.000

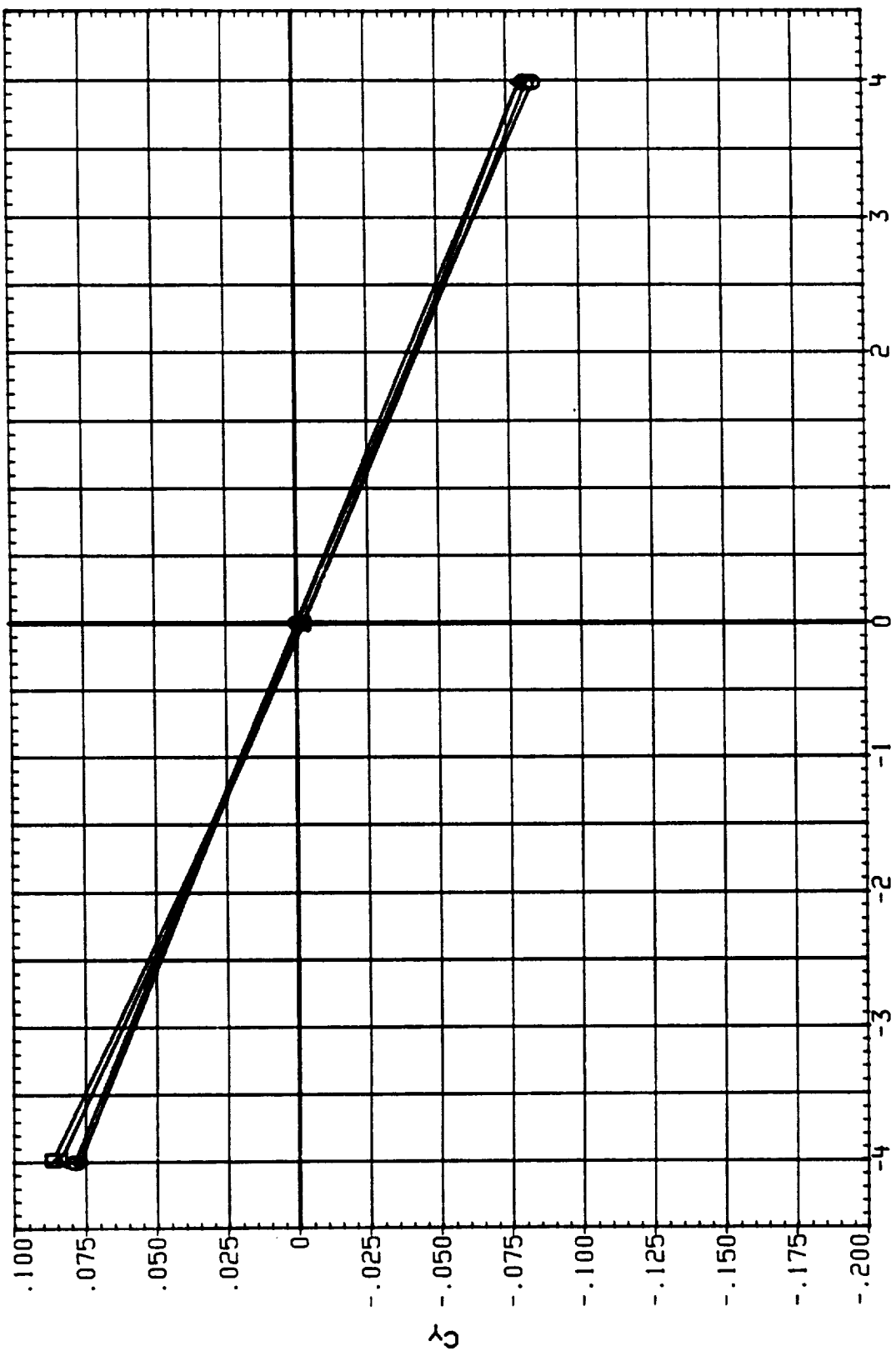


FIG. 8 EFFECT OF ELEVON SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

RC0066
RC0096
RC0081
RC00A9

CONFIGURATION

1A613A(AEDC 16TF-829) B/L OT + ASRH, PLUMES OFF
1A613A(AEDC 16TF-829) B/L OT + ASRH, PLUMES OFF
1A613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2
1A613A(AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2

MACH

.800
.800
.800
.800

1E-BOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

1B-ELV

10.000
8.000
10.000
8.000

0B-ELV

9.000
9.000
9.000
9.000

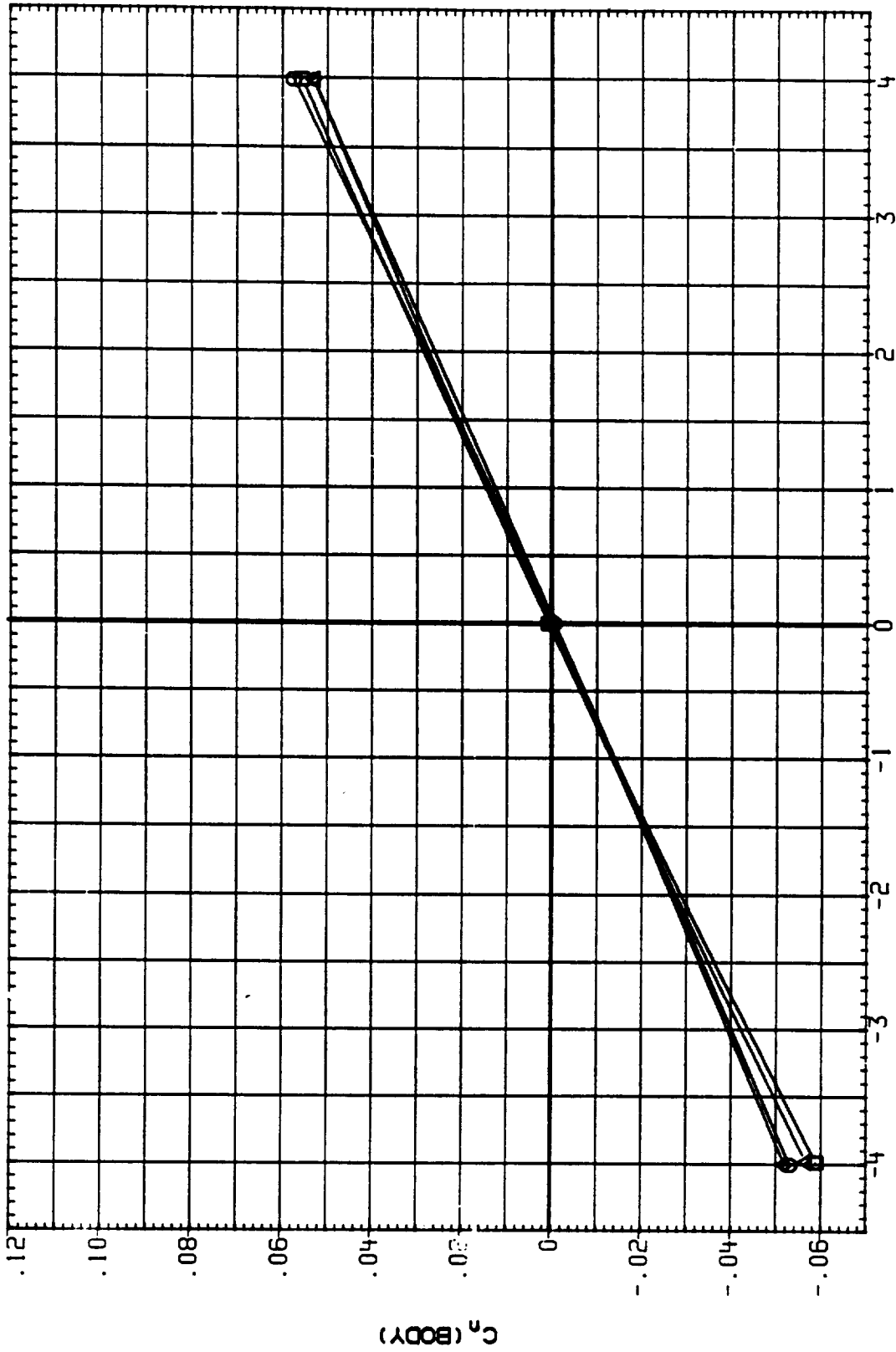


FIG. 8 EFFECT OF ELEVON SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LEABOX	IB-ELV	OB-ELV
RC0066	IAG13A1AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.800	BOTTOM	10.000	9.000
RC0066	IAG13A1AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.800	BOTTOM	8.000	9.000
RC0081	IAG13A1AEDC 161F-829) B/L OT + ASRH, PLUMES S1.2	.800	BOTTOM	10.000	9.000
RC00A9	IAG13A1AEDC 161F-829) B/L OT + ASRH, PLUMES S1.2	.800	BOTTOM	8.000	9.000

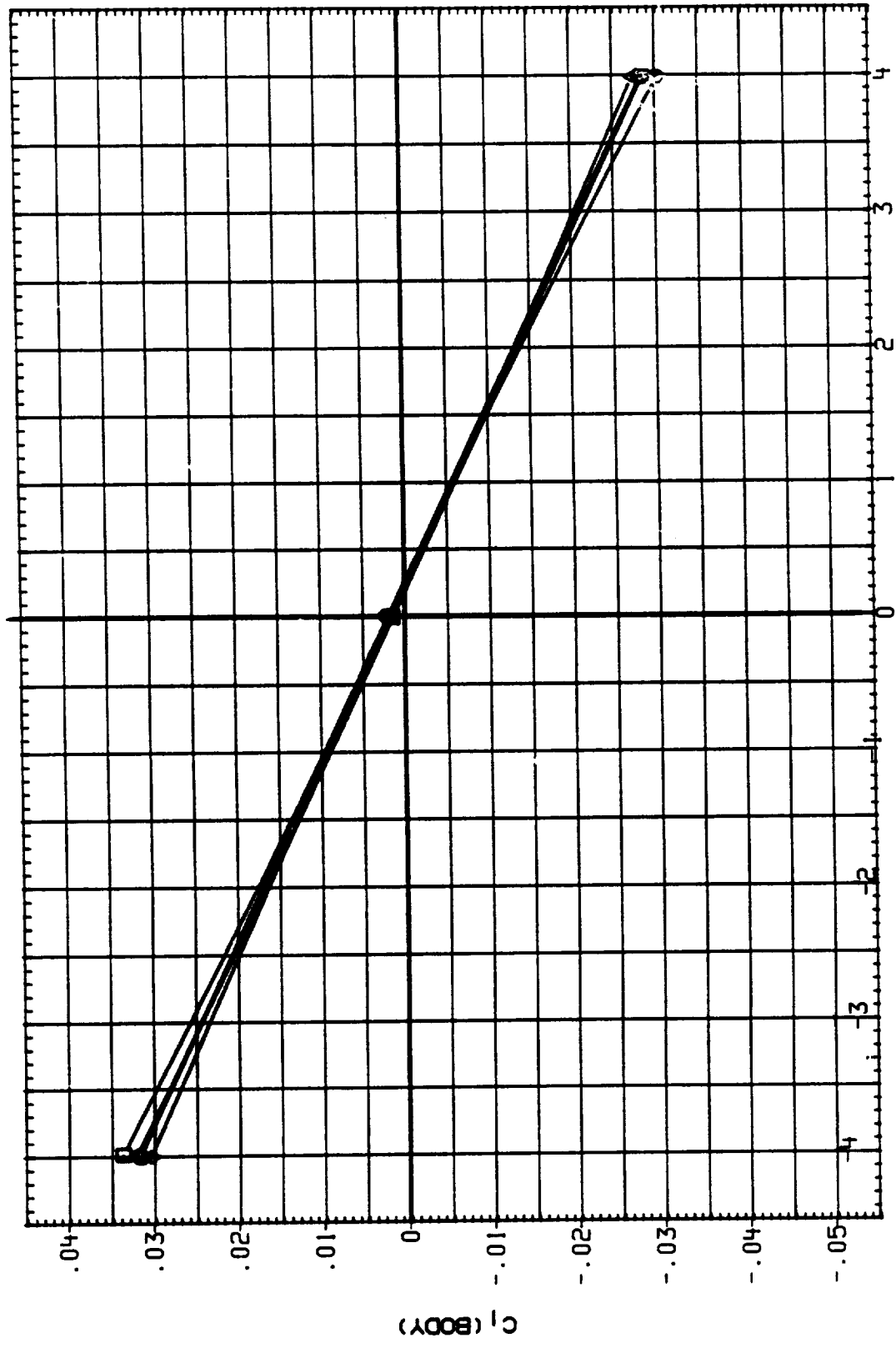


FIG. 8 EFFECT OF ELEVON SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL CONFIGURATION

RC0067	□	IA613A(AEDC 161F-829) B/L 01 + ASRM, PLUMES	.900	50110H	10.000	9.000
RC0097	◇	IA613A(AEDC 161F-829) B/L 01 + ASRM, PLUMES	.900	80110H	8.000	9.000
RC0082	◇	IA613A(AEDC 161F-829) B/L 01 + ASRM+PLUMES S1.2	.900	80110H	10.000	9.000
RC0080	△	IA613A(AEDC 161F-829) B/L 01 + ASRM+PLUMES S1.2	.900	80110H	8.000	9.000

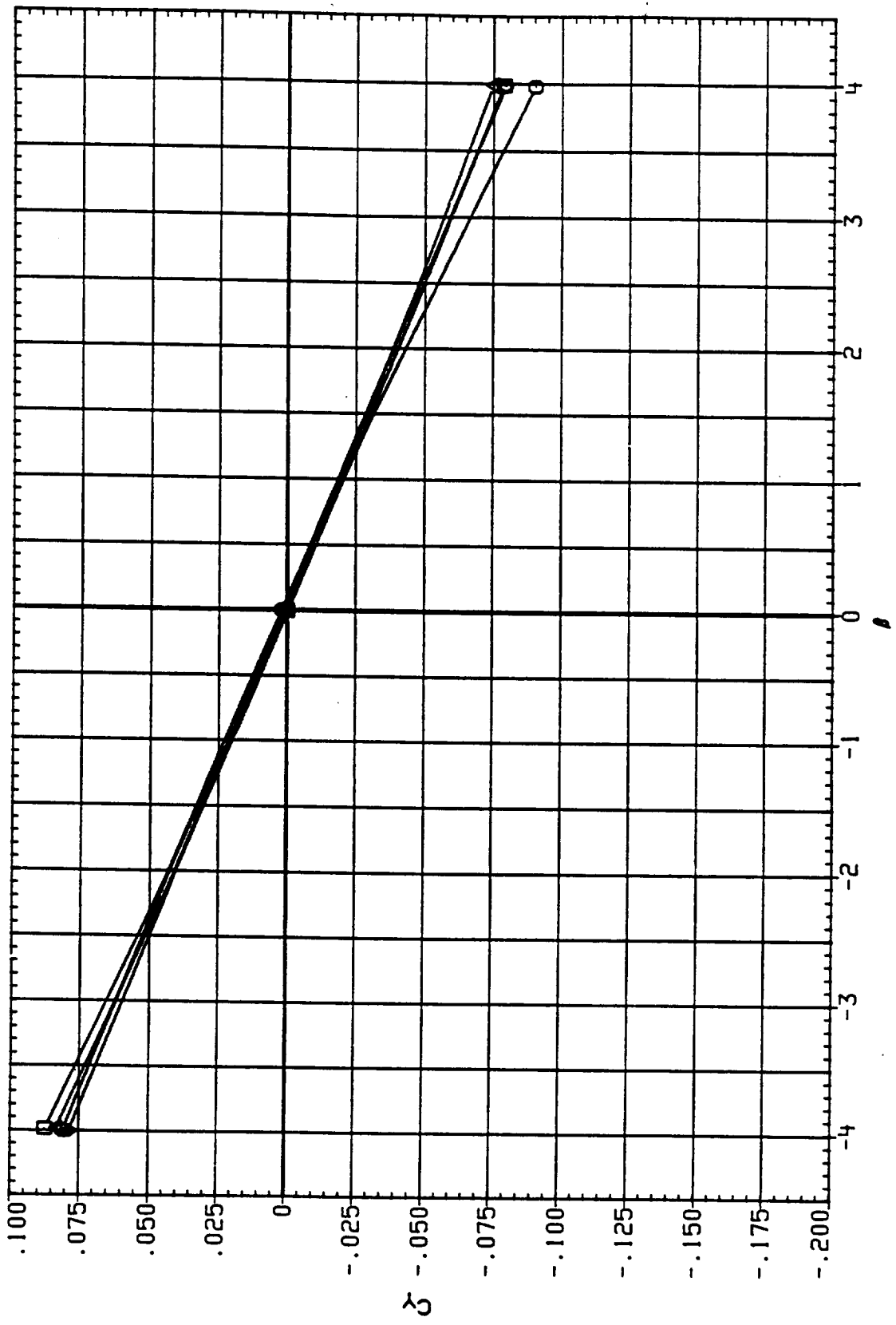


FIG. 8 EFFECT OF ELEVON SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LEADBOX	IB-ELY	CB-ELY
RC0067	IA613A1AEDC 161F-829) B/L 01 + ASRM, PLUMES OFF	.900	BOTTOM	10.000	9.000
RC0097	IA613A1AEDC 161F-829) B/L 01 + ASRM, PLUMES OFF	.900	BOTTOM	8.000	9.000
RC0082	IA613A1AEDC 161F-829) B/L 01 + ASRM+PLUMES S1.2	.900	BOTTOM	10.000	9.000
RC0080	IA613A1AEDC 161F-829) B/L 01 + ASRM+PLUMES S1.2	.900	BOTTOM	8.000	9.000

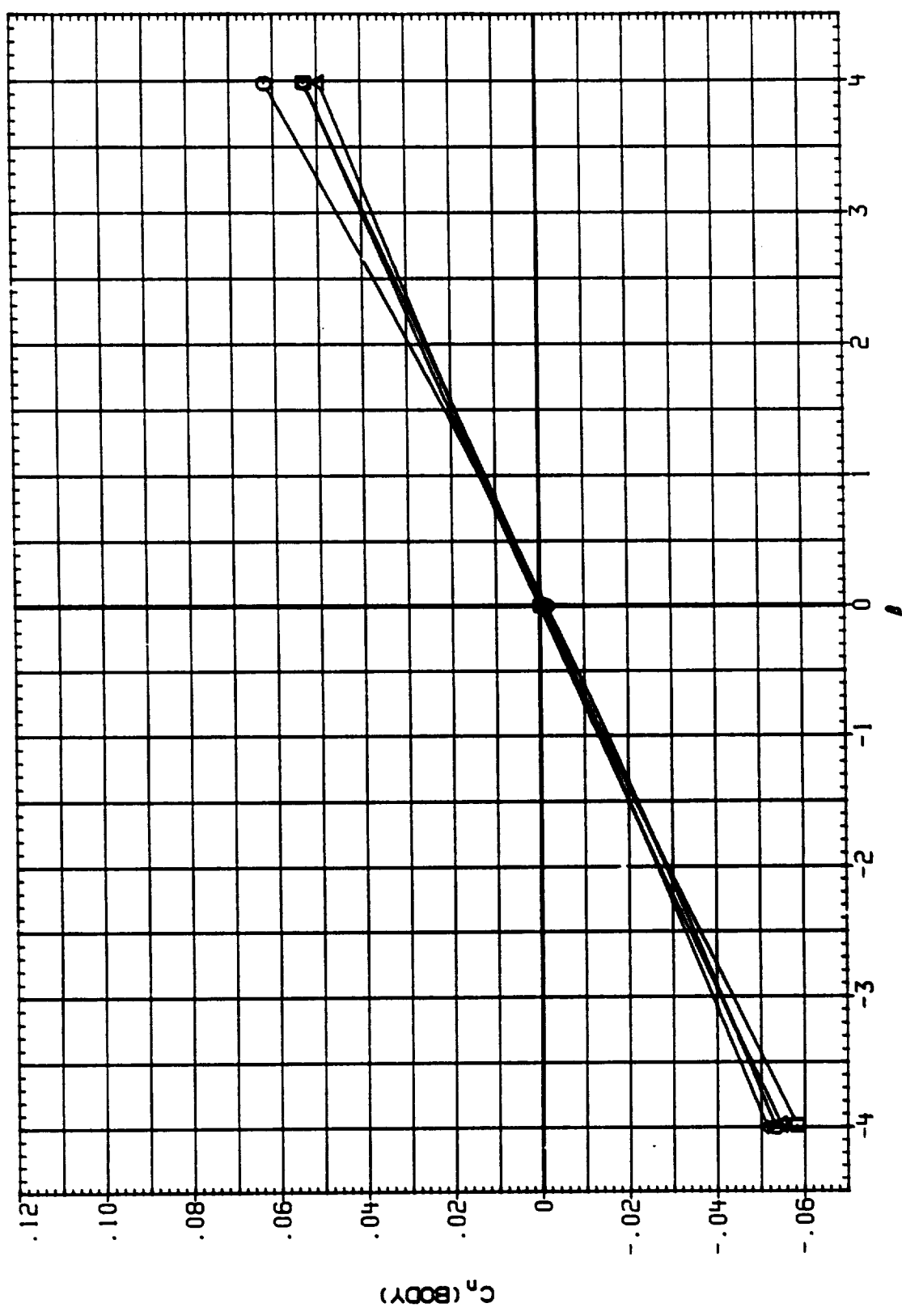


FIG. 8 EFFECT OF ELEVON SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

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DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
RC0067	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.900	BOTTOM	10.000	9.000
RC0097	IA613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.900	BOTTOM	8.000	5.000
RC0082	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.900	BOTTOM	10.000	9.000
RC0080	IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.900	BOTTOM	8.000	9.000

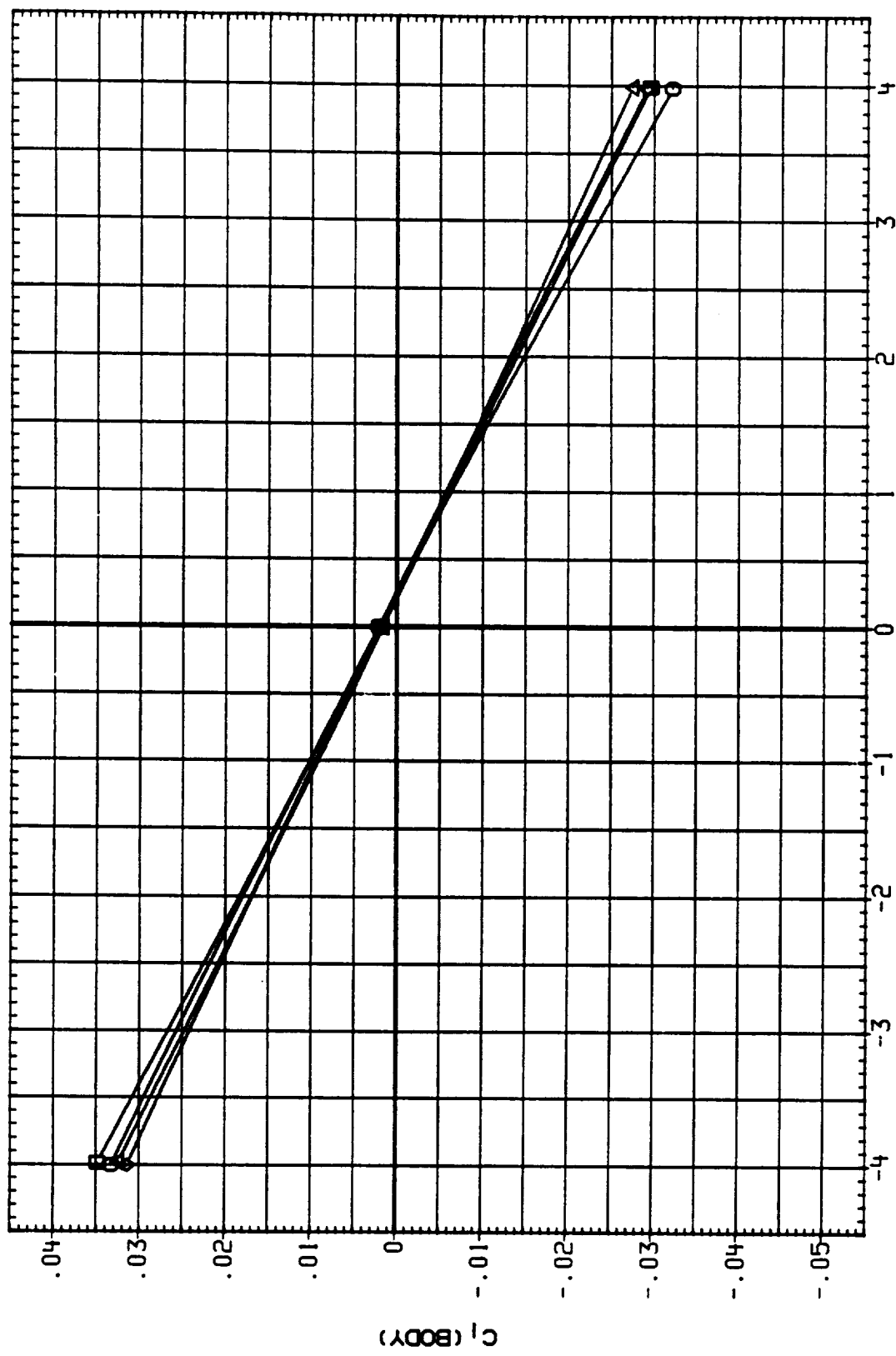


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS
(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	EA BOX	IB-ELV	OB-ELV
RC0068	IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES OFF	.950	BOTTOM	10.000	9.000
RC0098	IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES OFF	.950	BOTTOM	8.000	9.000
RC0083	IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES S1,2	.950	BOTTOM	10.000	9.000
RC0081	IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES S1,2	.950	BOTTOM	8.000	9.000

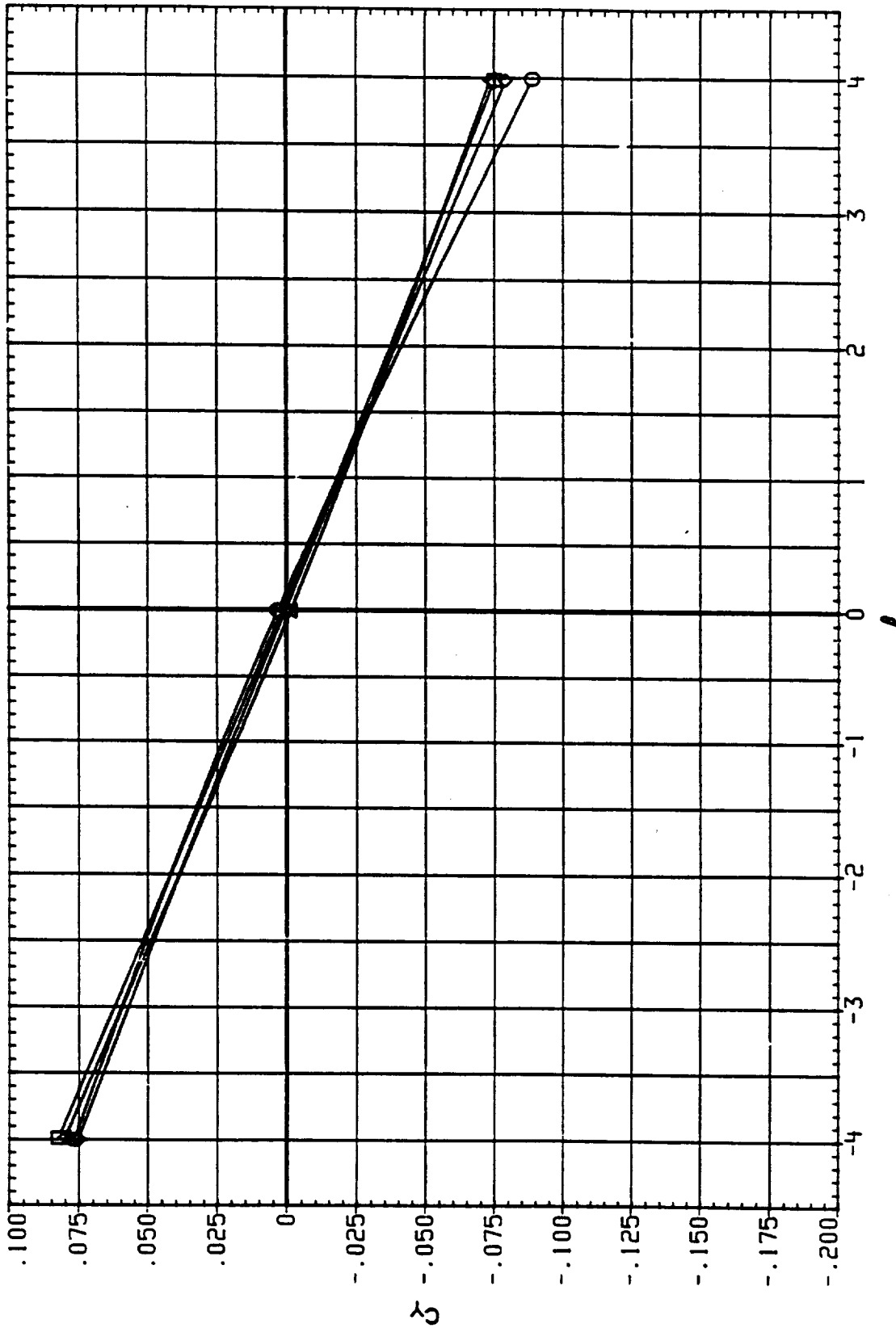


FIG. 8 EFFECT OF ELEVON SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

RC0068
RC0098
RC0063
RC0081

CONFIGURATION

IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
IA613A(AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH

.950
.950
.950
.950

IEABOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

IB-ELV

10.000
8.000
10.000
8.000

OB-ELV

9.000
9.000
9.000
9.000

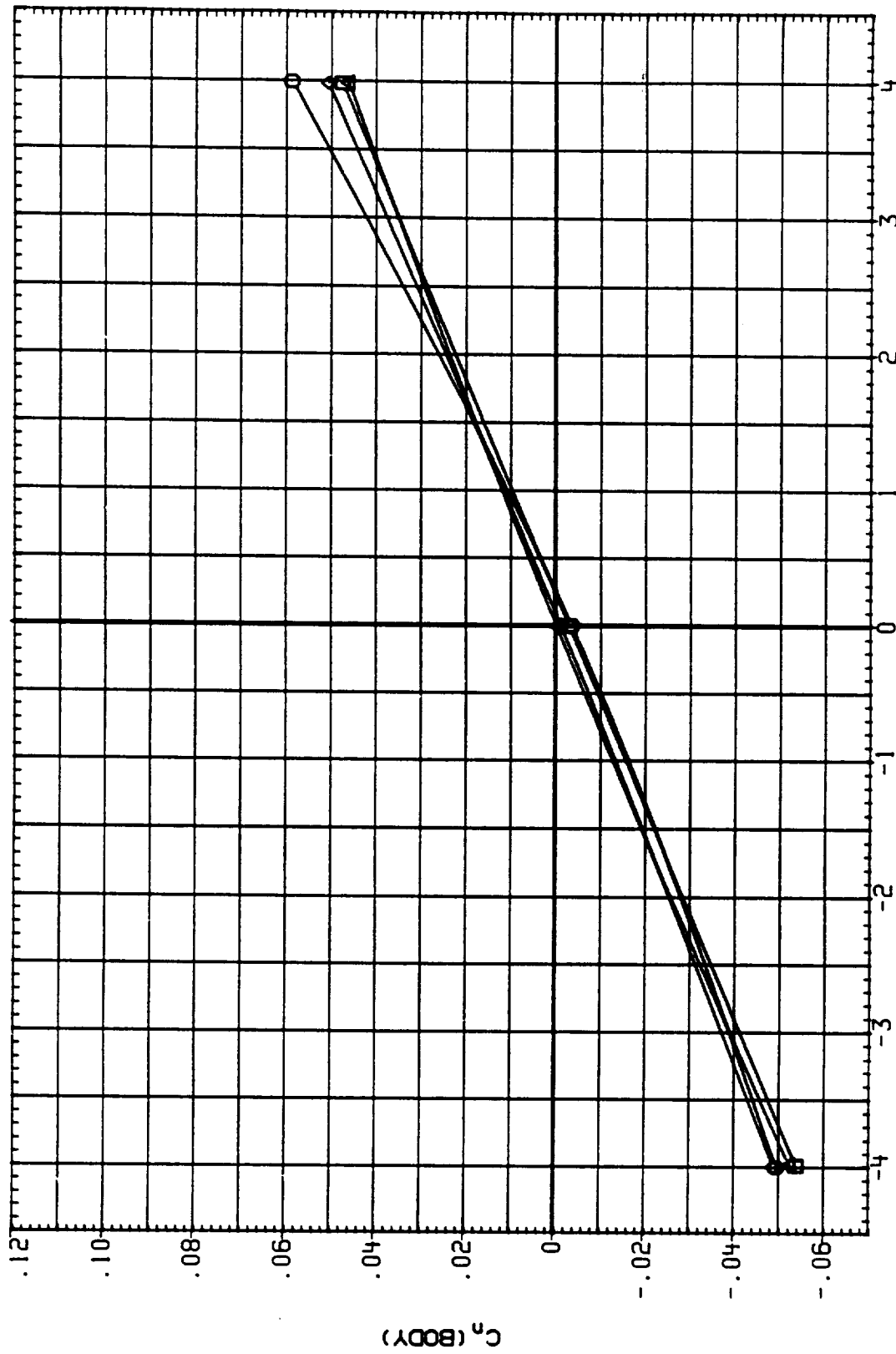


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IC-BOX	IB-ELV	OB-ELV
RC0069	I A613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.950	BOTTOM	10.000	9.000
RC0098	I A613A(AEDC 161F-829) B/L OT + ASRH, PLUMES OFF	.950	BOTTOM	8.000	9.000
RC0083	I A613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.950	BOTTOM	10.000	9.000
RC0081	I A613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.950	BOTTOM	8.000	9.000

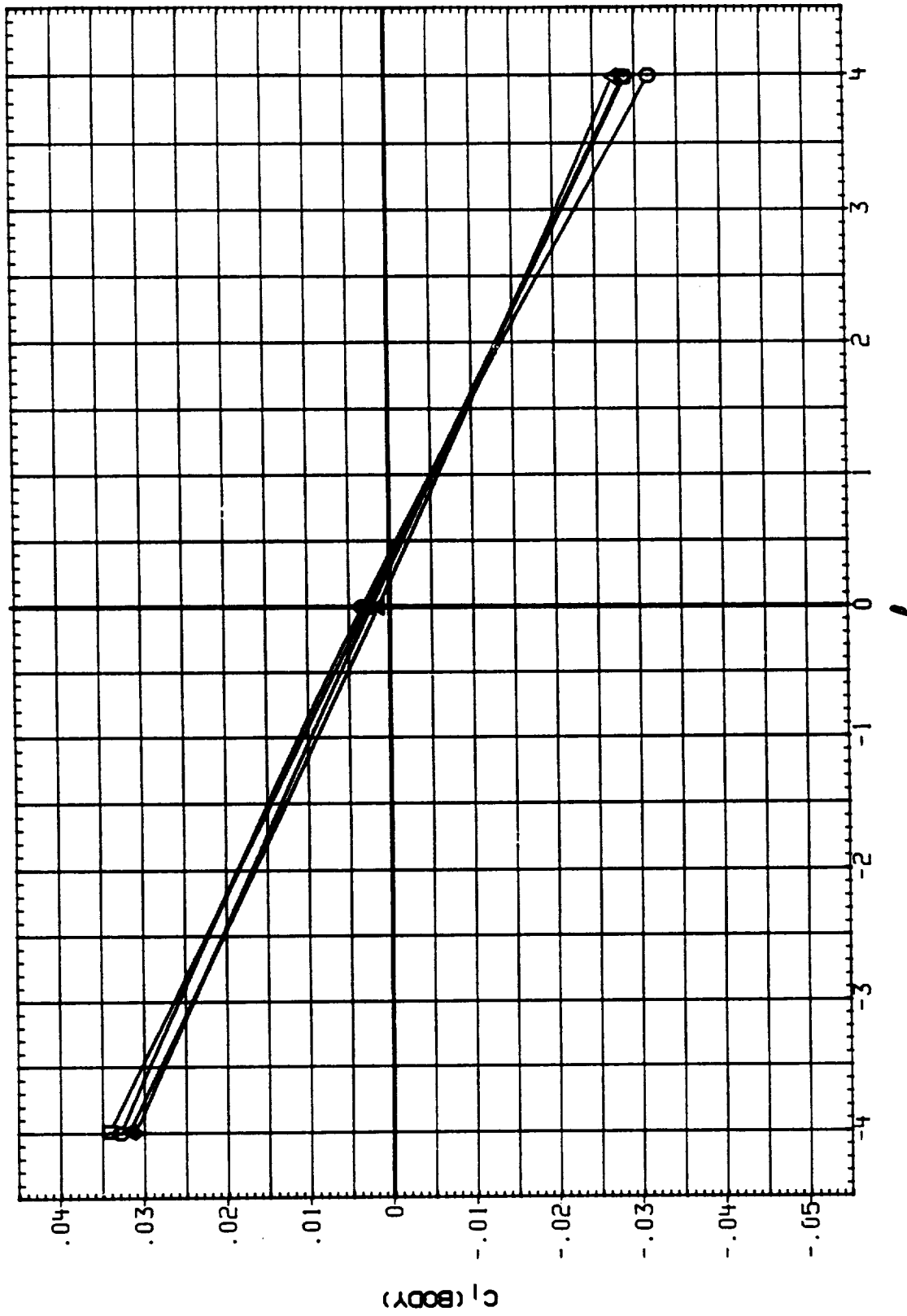


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	LEABOX	IB-ELV	OB-ELV
RC0069	I A613A1AEDC 16TF-829) B/L OT * ASRM, PLUMES OFF	1.050	BOTTOM	10.000	9.000
RC0099	I A613A1AEDC 16TF-829) B/L OT * ASRM, PLUMES OFF	1.050	BOTTOM	8.000	9.000
RC0084	I A613A1AEDC 16TF-829) B/L OT * ASRM+PLUMES S1.2	1.050	BOTTOM	10.000	9.000
RC0082	I A613A1AEDC 16TF-829) B/L OT * ASRM+PLUMES S1.2	1.050	BOTTOM	8.000	9.000

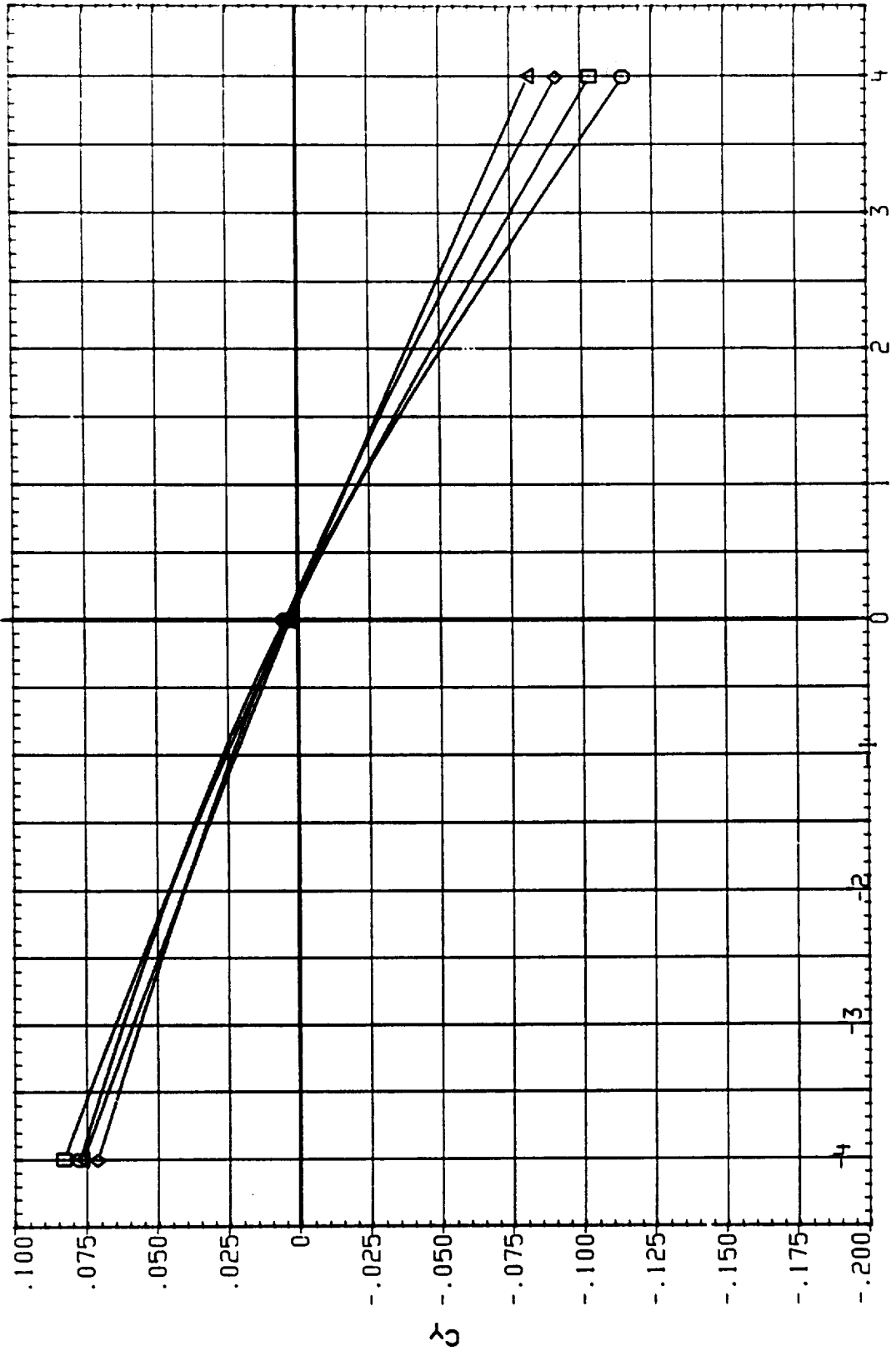


FIG. 8 EFFECT OF ELEVEN SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

ORIGINAL PAGE IS OF POOR QUALITY

DATA SET SYMBOL
 RC0059
 RC0059
 RC0084
 RC0082

CONFIGURATION
 161F-829) B/L OT * ASRM, PLUMES OFF
 161F-829) B/L OT * ASRM, PLUMES OFF
 161F-829) B/L OT * ASRM+PLUMES 51.2
 161F-829) B/L OT * ASRM+PLUMES 51.2

MACH
 1.050
 1.050
 1.050
 1.050

EA BOX
 BOTTOM
 BOTTOM
 BOTTOM
 BOTTOM

IB-ELV
 10.000
 8.000
 10.000
 4.000

OB-ELV
 9.000
 9.000
 9.000
 9.000

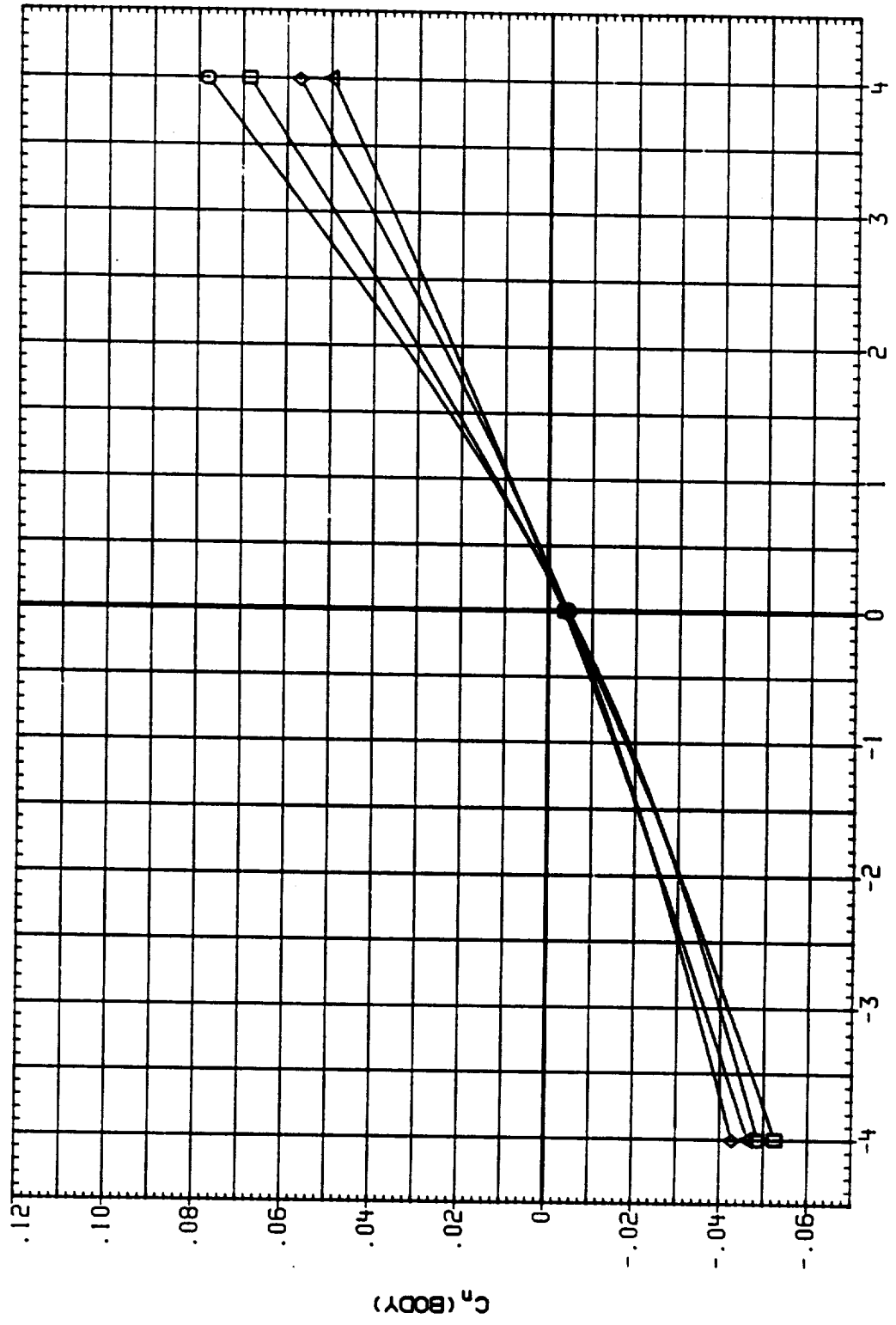


FIG. 8 EFFECT OF ELEVON SCHEDULES
 LATERAL-DIRECTIONAL CHARACTERISTICS
 (A) ALPHA = .00

DATA SET SYMBOL

RC0069
RC0099
RC0084
RC0082

CONFIGURATION

IA613A(AEDC 161F-829) B/L 01 + ASRH, PLUMES OFF
IA613A(AEDC 161F-829) B/L 01 + ASRH, PLUMES OFF
IA613A(AEDC 161F-829) B/L 01 + ASRH, PLUMES S1.2
IA613A(AEDC 161F-829) B/L 01 + ASRH, PLUMES S1.2

MACH
1.050
1.050
1.050

1EABOX
BOTTOM
BOTTOM
BOTTOM

1B-ELV
10.000
10.000
10.000

OB-ELV
9.000
9.000
9.000

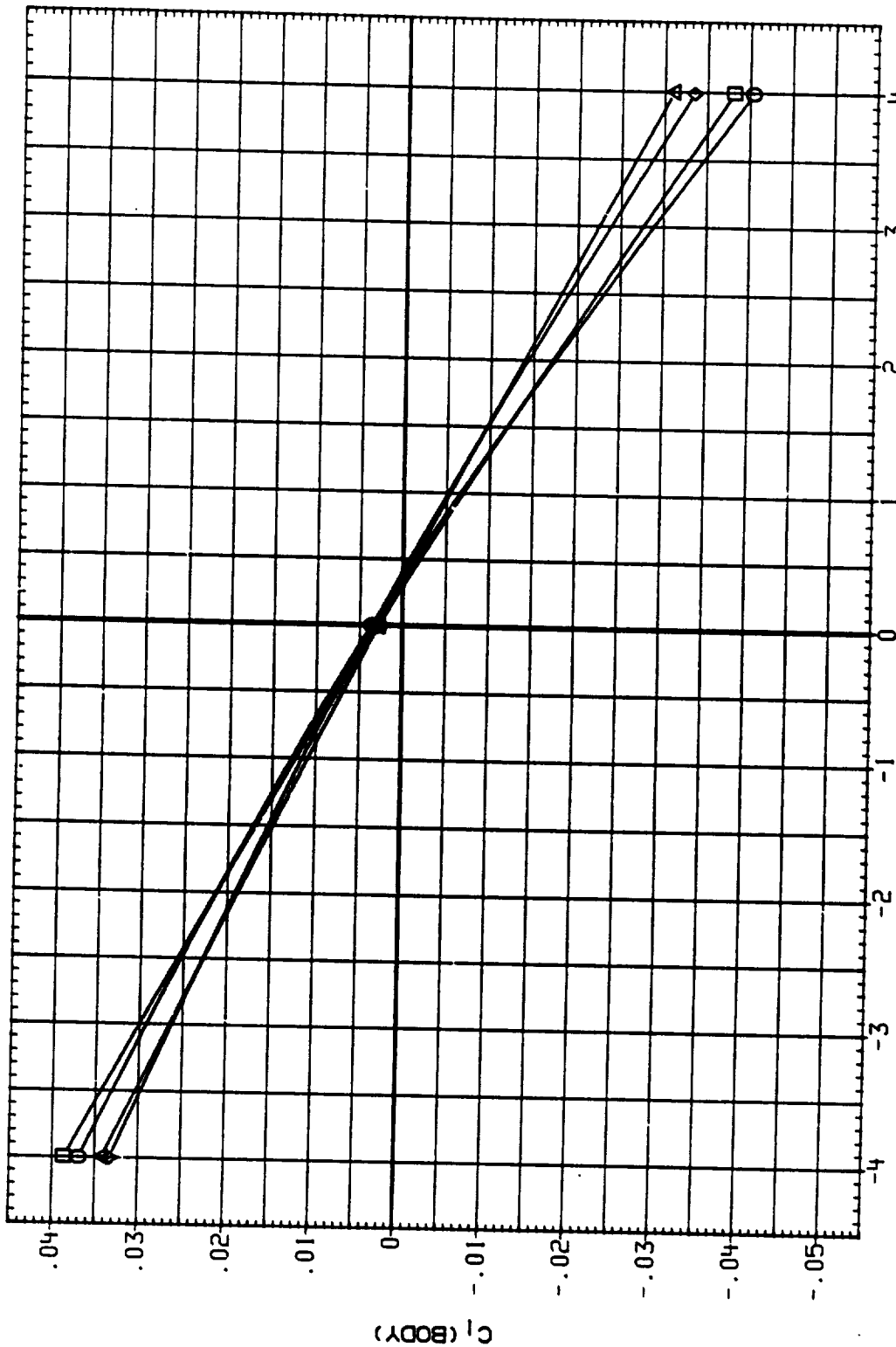


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

ORIGINAL FILED IN
OF POOR QUALITY

DATA SET SYMBOL

RC0070
RC0040
RC0085
RC0083

CONFIGURATION

IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES OFF
IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES OFF
IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES ST.2
IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES ST.2

MACH

1.100
1.100
1.100
1.100

IEABOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

IB-ELV

10.000
10.000
10.000
8.000

OB-ELV

9.000
9.000
9.000
9.000

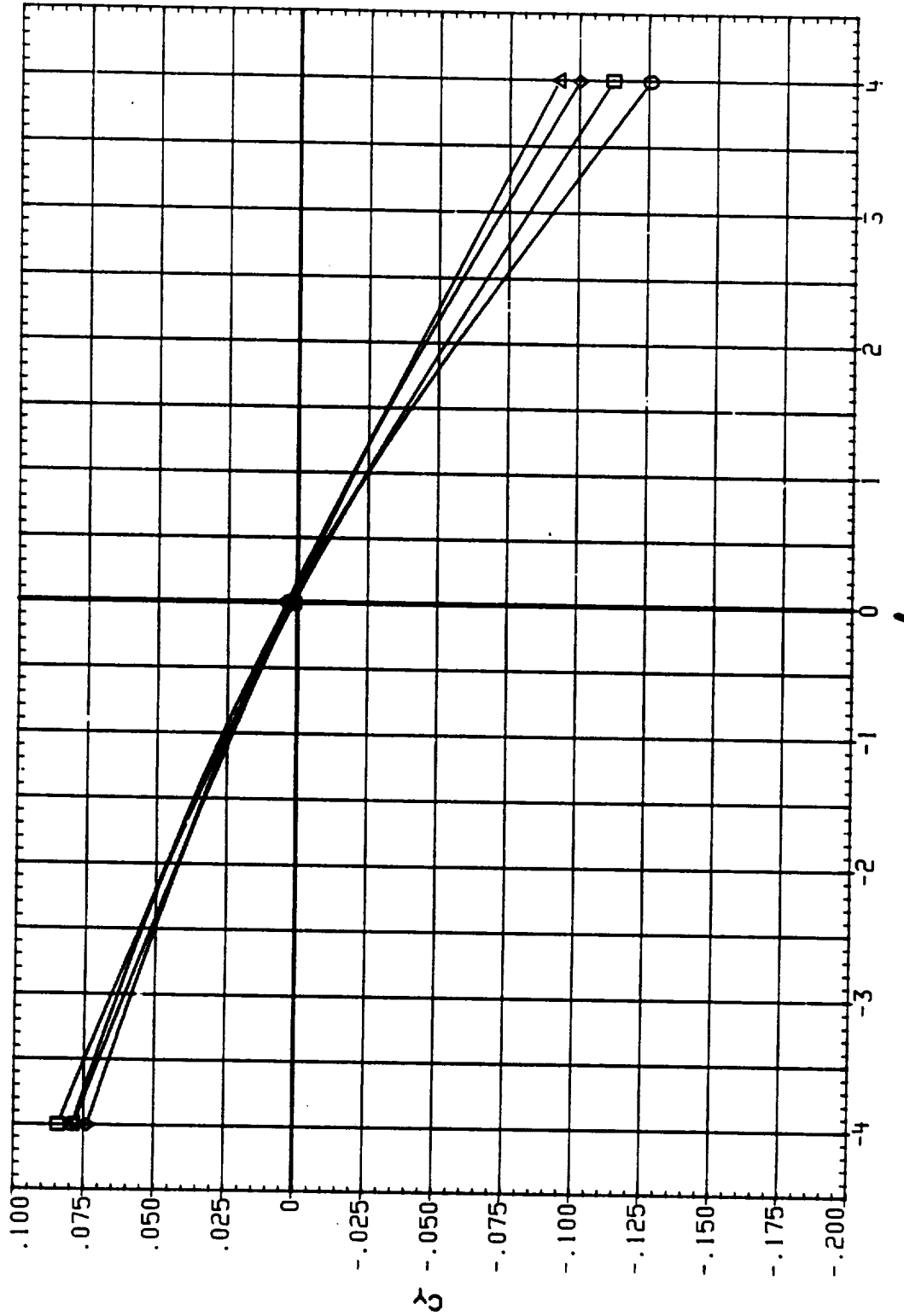


FIG. 8 EFFECT OF ELEVON SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

RC0070
RC0040
RC0035
RC0093

CONFIGURATION

IA613A1AEDC 16TF-829) B/L OT + ASRM, FLUMES OFF
IA613A1AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
IA613A1AEDC 16TF-829) B/L OT + ASRM-PLUMES 51.2
IA613A1AEDC 16TF-829) B/L OT + ASRM-PLUMES 51.2

MACH

1.100
1.100
1.100
1.100

LEA BOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

19-ELY

10.000
8.000
10.000
8.000

18-ELY

9.000
9.000
9.000
9.000

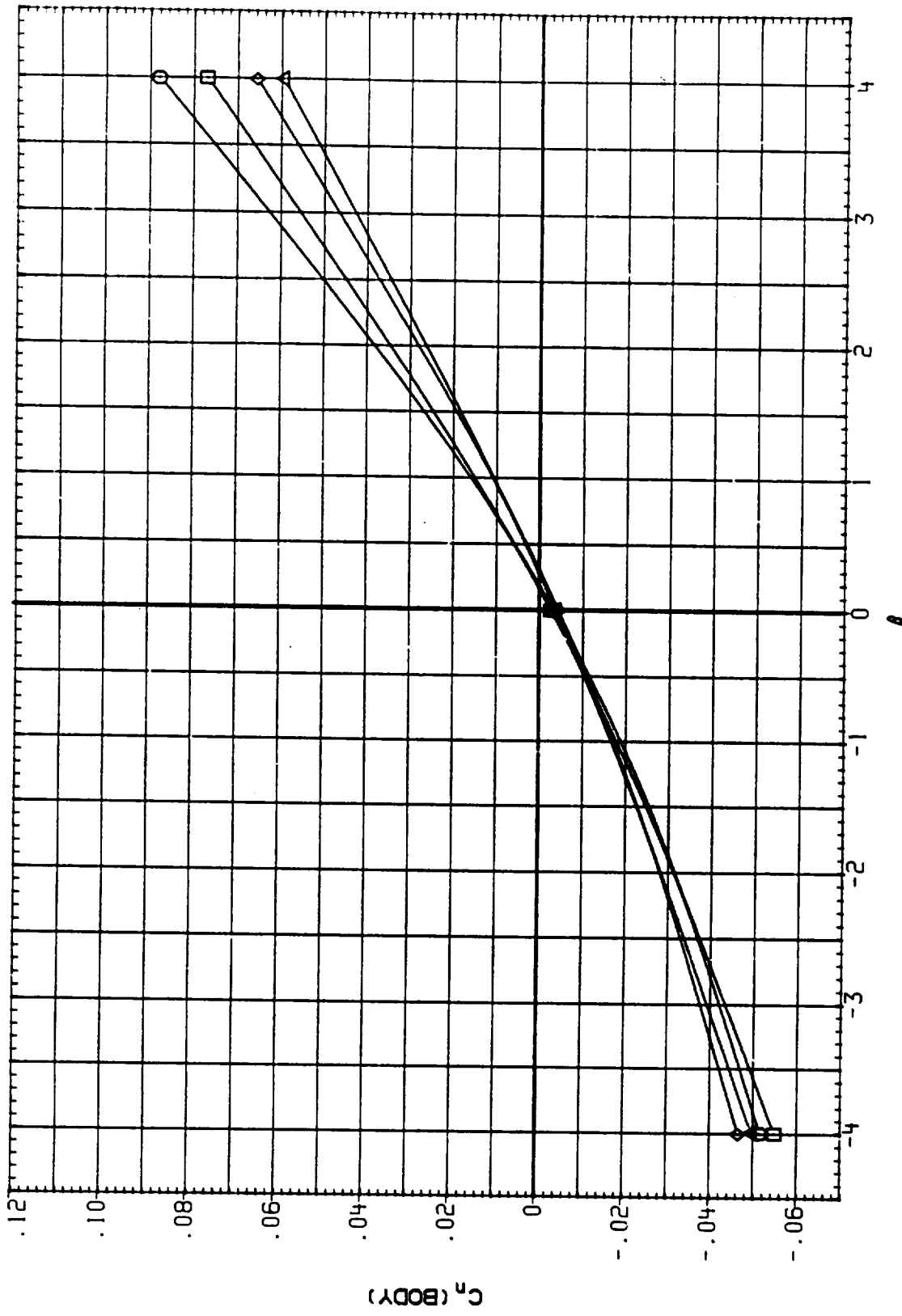


FIG. 8 EFFECT OF ELEVON SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

QUALITY CONTROL

DATA SET 50750

RC0070
RC00A0
RC03B5
RC00B3

CONFIGURATION

14513A/AEDC 161F-829J B/L O1 • ASRM, PLUMES OFF
14513A/AEDC 161F-829J B/L O1 • ASRM, PLUMES OFF
14613A/AEDC 161F-829J B/L O1 • ASRM-PLUMES S1.2
14613A/AEDC 161F-829J B/L O1 • ASRM-PLUMES S1.2

MACH
1.100
1.100
1.100

1EABCK
BOTTOM
BOTTOM
BOTTOM

15-ELV
10.000
8.000
10.000

05-ELV
9.000
9.000
9.000

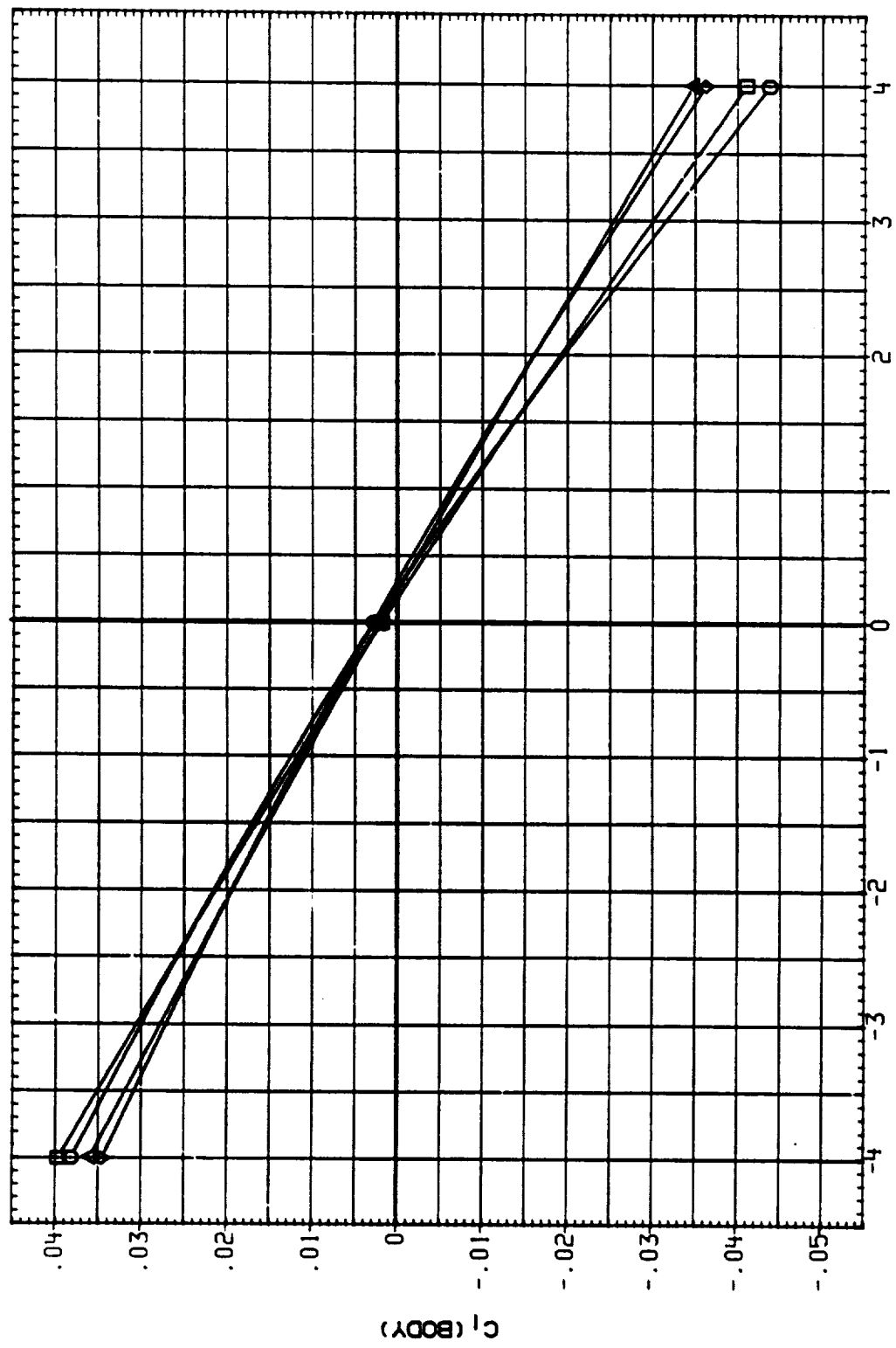


FIG. 8 EFFECT OF ELEVEN SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATE SET SYMBOL

RC0071
RC00A1
RC00B6
RC00B4

CONFIGURATION

IA613A1AEDC 16TF-8291 B/L OT + ASRM, PLUMES OFF
IA613A1AEDC 16TF-8291 B/L OT + ASRM, PLUMES OFF
IA613A1AEDC 16TF-8291 B/L OT + ASRM+PLUMES 51.2
IA613A1AEDC 16TF-8291 B/L OT + ASRM+PLUMES 51.2

MACH
1.150
1.150
1.150

IEABOX
BOTTOM
BOTTOM
BOTTOM

IB-ELV
10.000
8.000
10.000

OB-ELV
9.000
9.000
9.000

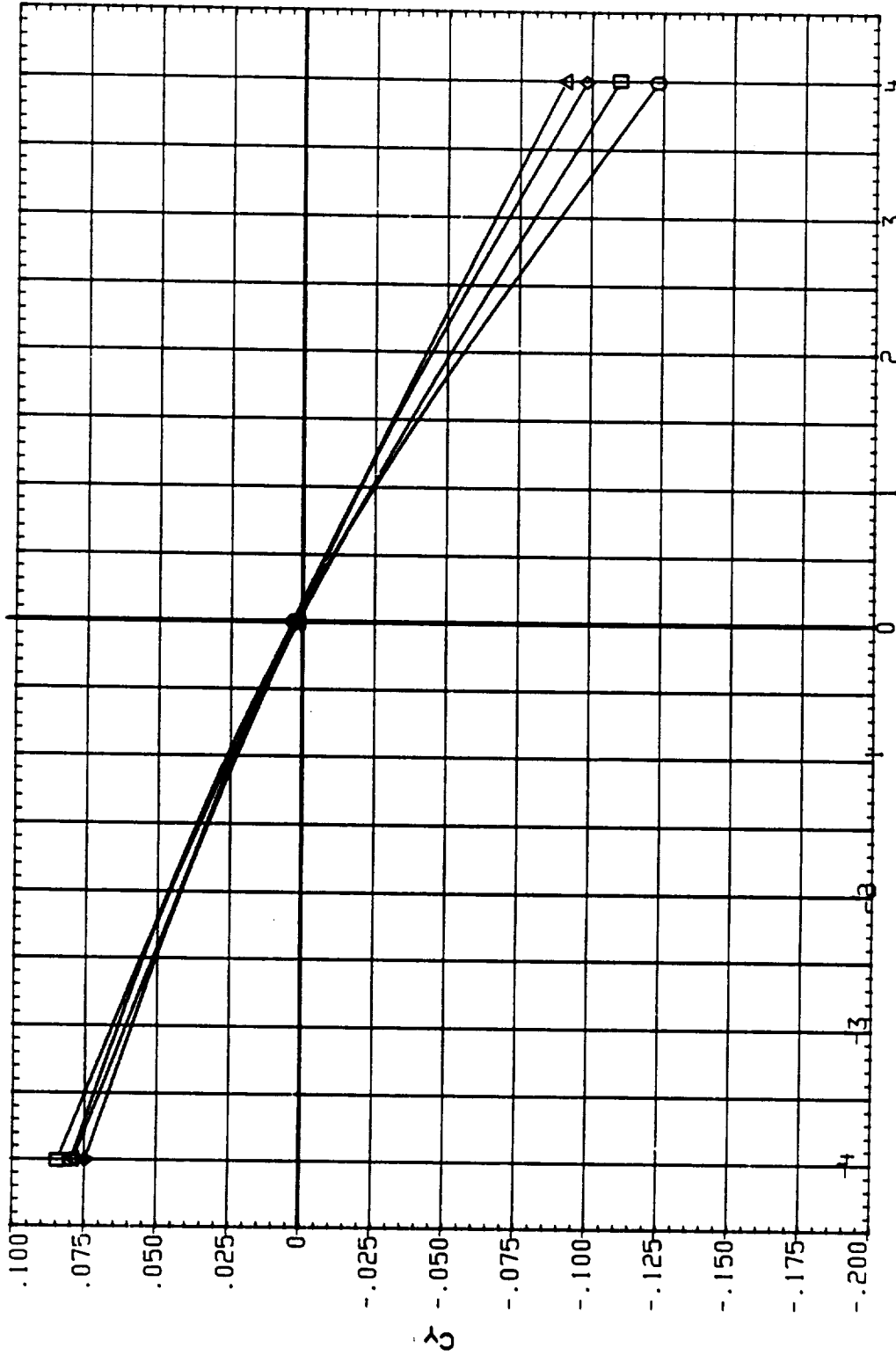


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IE/BOX	IB-ELV	OB-ELV
RC0071	I A613A(AEDC 161F-829) B/L OT * ASRM, PLUMES OFF	1.150	BOTTOM	10.000	9.000
RC00A1	I A613A(AEDC 161F-829) B/L OT * ASRM, PLUMES OFF	1.150	BOTTOM	8.000	9.000
RC00B6	I A613A(AEDC 161F-829) B/L OT * ASRM+PLUMES S1.2	1.150	BOTTOM	10.000	9.000
RC00B4	I A613A(AEDC 161F-829) B/L OT * ASRM+PLUMES S1.2	1.150	BOTTOM	8.000	3.000

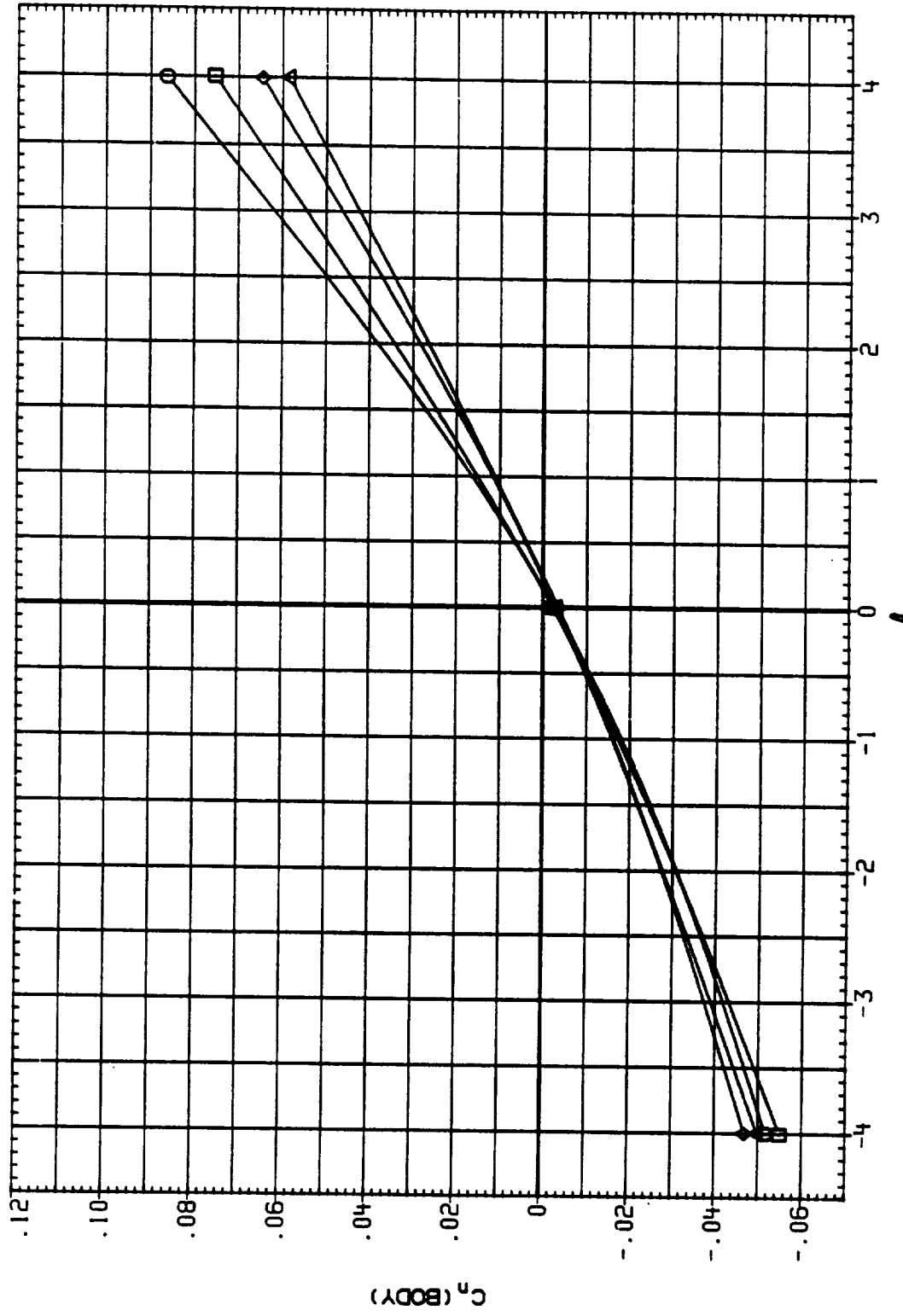


FIG. 8 EFFECT OF ELEVON SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS
 (A) ALPHA = .00

DATA SET SYMBOL

RC0071
RC00A1
RC00B6
RC00B4

CONFIGURATION

IAG13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
IAG13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
IAG13A1AEDC 161F-829) B/L OT + ASRM, PLUMES OFF
IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH

1.150
1.150
1.150
1.150

IEABOX

10.000
8.000
10.000
8.000

OB-ELV

9.000
9.000
9.000
3.000

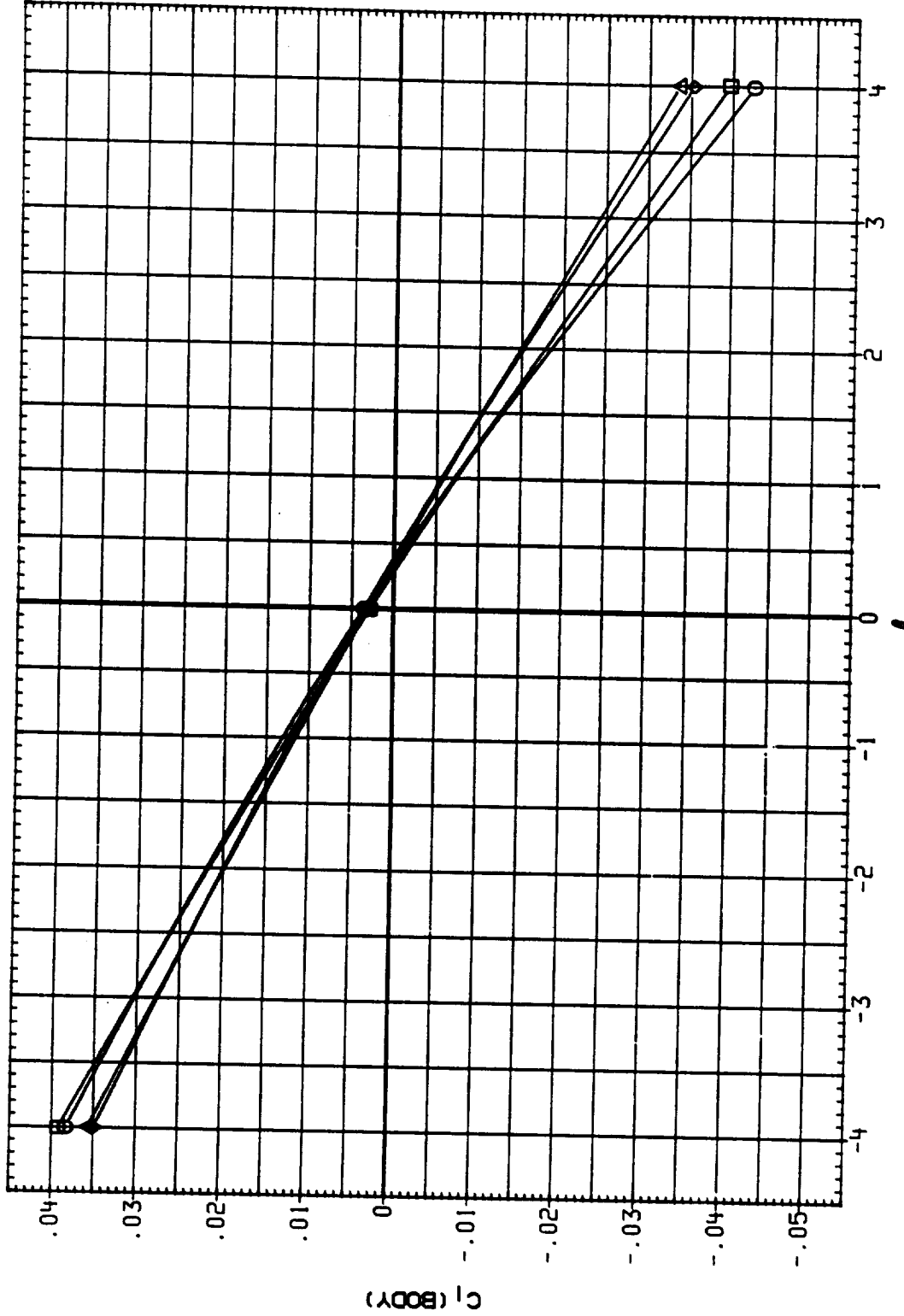


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS
(A) ALPHA = .00

DATA SET SYMBOL

- PC0072 ○
- PC0073 □
- PC0082 △
- PC0087 ▲
- PC0098 ▽
- PC0085 ▽

CONFIGURATION

- 1A613A(AEDC 161F-829) B/L OT * ASRM, PLUMES OFF
- 1A613A(AEDC 161F-829) B/L OT * ASRM, PLUMES OFF
- 1A613A(AEDC 161F-829) B/L OT * ASRM, PLUMES OFF
- 1A613A(AEDC 161F-829) B/L OT * ASRM+PLUMES S1.2
- 1A613A(AEDC 161F-829) B/L OT * ASRM+PLUMES S1.3
- 1A613A(AEDC 161F-829) B/L OT * ASRM+PLUMES S1.2

MACH

- 1.250
- 1.250
- 1.250
- 1.250
- 1.250
- 1.250

IE-ABOX

- BOTTOM
- BOTTOM
- BOTTOM
- BOTTOM
- BOTTOM
- BOTTOM

IB-ELY

- 10.000
- 10.000
- 10.000
- 10.000
- 10.000
- 10.000

OB-ELY

- 9.000
- 5.000
- 9.000
- 9.000
- 5.000
- 9.000

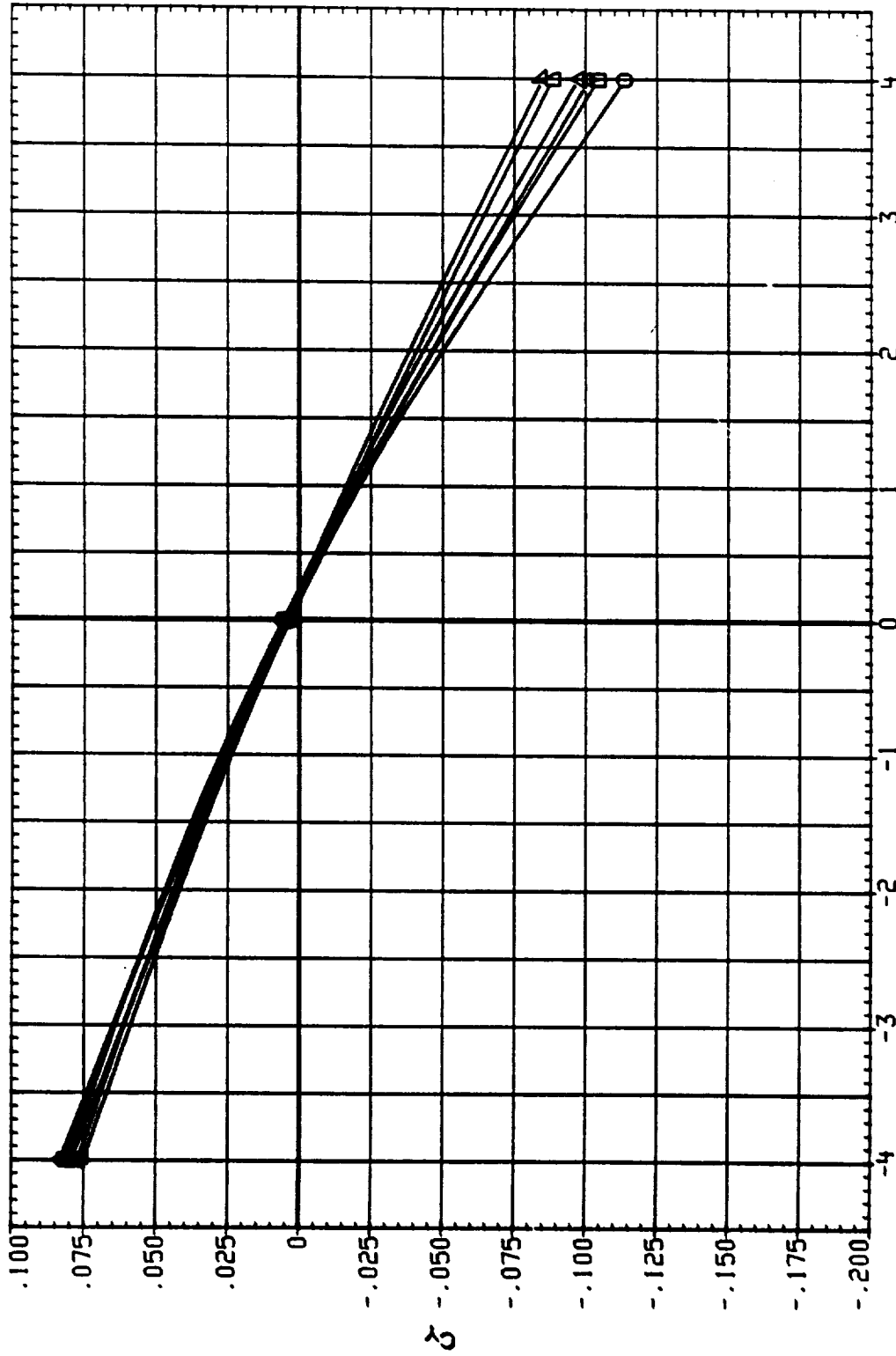


FIG. 8 EFFECT OF ELEVON SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

RC0072 (A613A/AEDC 161F-829) B/L OT * ASRM, PLUMES OFF
 RC0073 (A613A/AEDC 161F-829) B/L OT * ASRM, PLUMES OFF
 RC0082 (A613A/AEDC 161F-829) B/L OT * ASRM, PLUMES OFF
 RC0087 (A613A/AEDC 161F-829) B/L OT * ASRM, PLUMES S1.2
 RC0088 (A613A/AEDC 161F-829) B/L OT * ASRM, PLUMES S1.3
 RC0085 (A613A/AEDC 161F-829) B/L OT * ASRM, PLUMES S1.2

CONFIGURATION

MACH IEABOX IE-ELV OIB-ELV
 1.250 BOTTOM 10.000 5.000
 1.250 BOTTOM 10.000 5.000
 1.250 BOTTOM 8.000 9.000
 1.250 BOTTOM 10.000 9.000
 1.250 BOTTOM 10.000 9.000

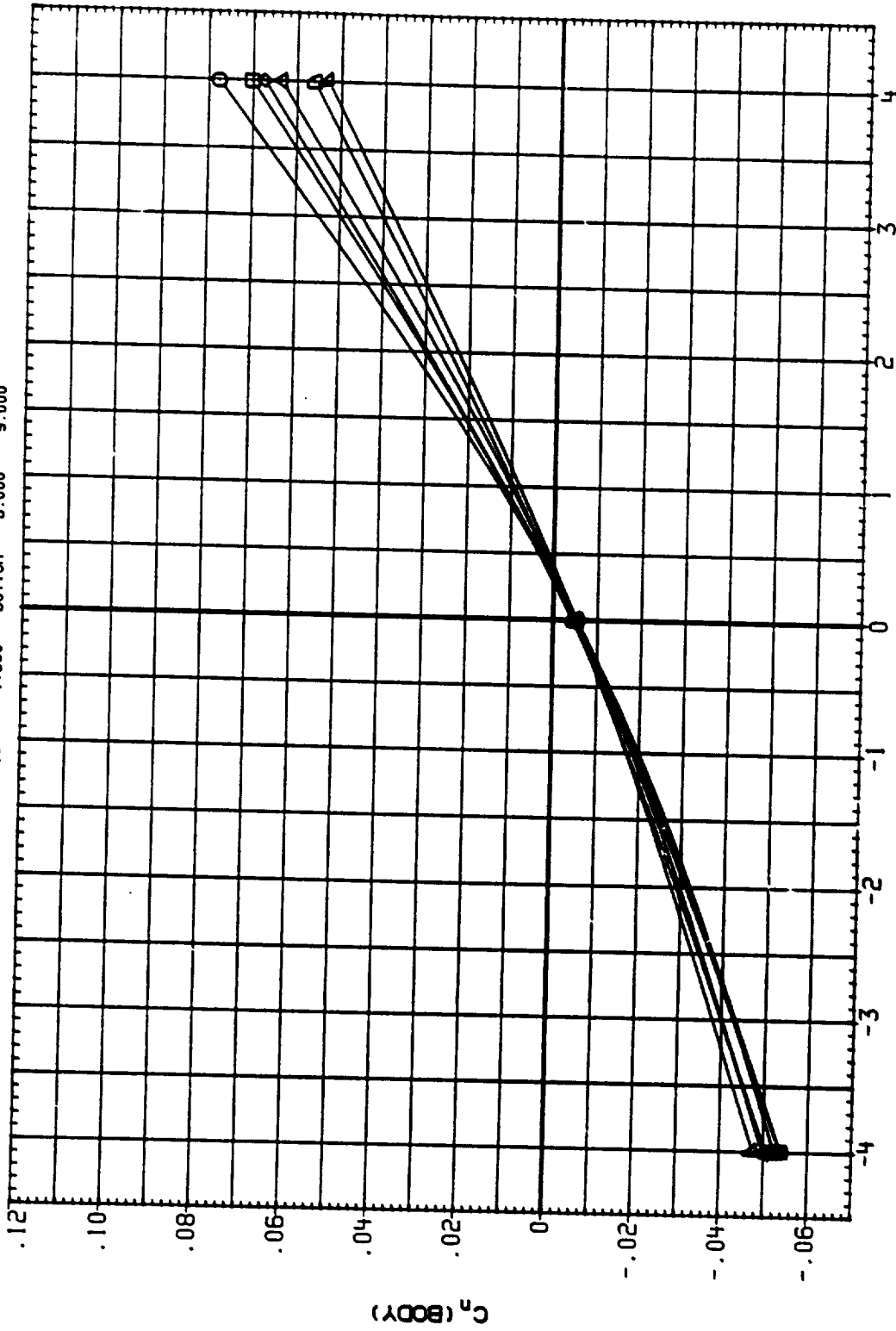


FIG. 8 EFFECT OF ELEVON SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	TEABOX	IB-ELV	CB-ELV
RC0072	IAGI3AIAEDC 16IF-823) B/L OT * ASRM, PLUMES OFF	1.250	BOTTOM	10.000	9.000
RC0073	IAGI3AIAEDC 16IF-823) B/L OT * ASRM, PLUMES OFF	1.250	BOTTOM	10.000	9.000
RC00A2	IAGI3AIAEDC 16IF-823) B/L OT * ASRM, PLUMES OFF	1.250	BOTTOM	10.000	9.000
RC00B7	IAGI3AIAEDC 16IF-823) B/L OT * ASRM, PLUMES S1.2	1.250	BOTTOM	10.000	9.000
RC00B8	IAGI3AIAEDC 16IF-823) B/L OT * ASRM, PLUMES S1.3	1.250	BOTTOM	10.000	9.000
RC00B5	IAGI3AIAEDC 16IF-823) B/L OT * ASRM, PLUMES S1.2	1.250	BOTTOM	8.000	9.000

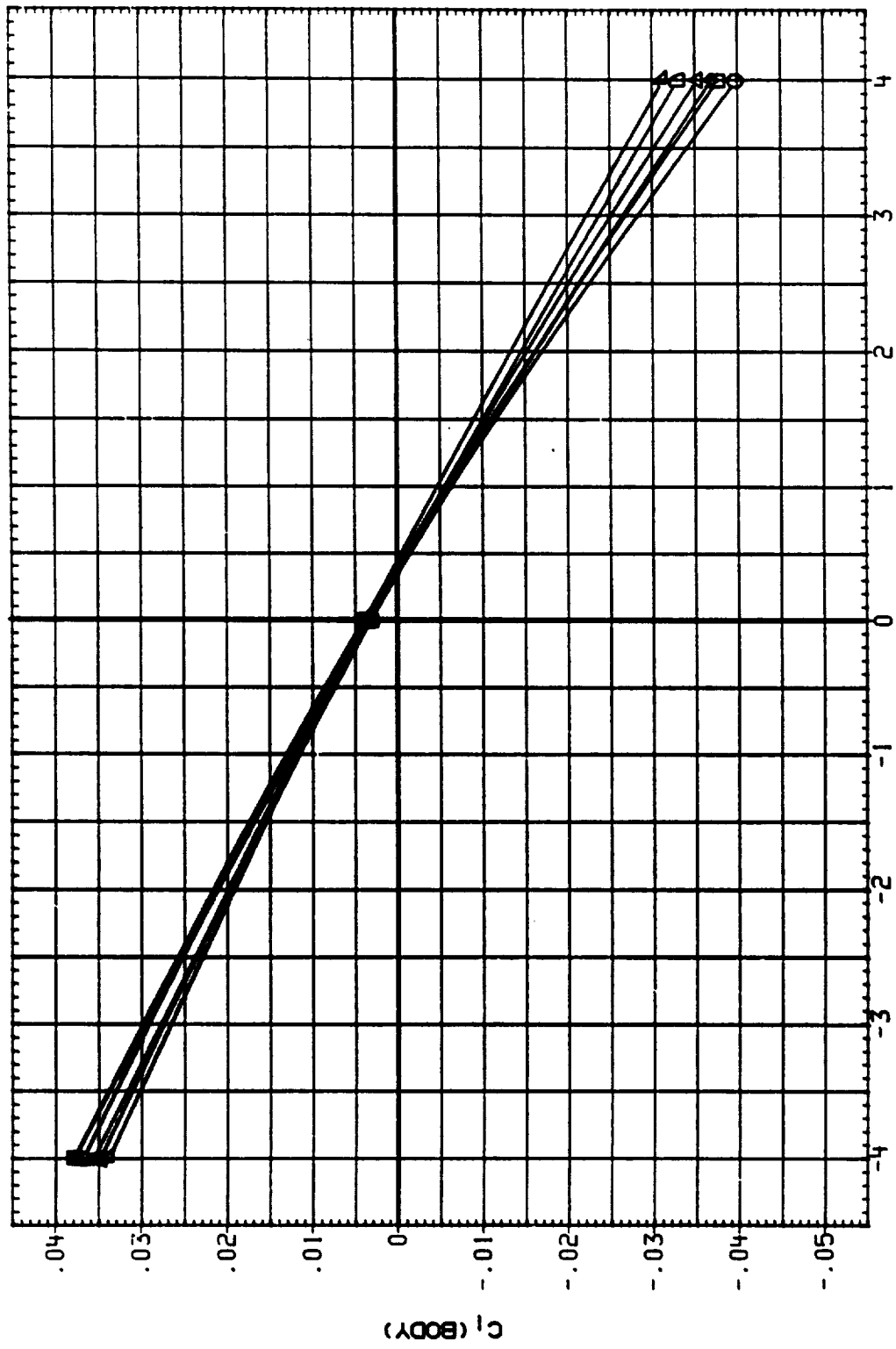


FIG. 8 EFFECT OF ELEVON SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET 8450

CONFIGURATION
 1A613A(AEDC 16TF-829) B/L OT * ASRM, PLUMES OFF
 1A613A(AEDC 16TF-829) B/L OT * ASRM, PLUMES OFF
 1A613A(AEDC 16TF-829) B/L OT * ASRM+PLUMES S1.3
 1A613A(AEDC 16TF-829) B/L OT * ASRM+PLUMES S1.3

LEAD IN
 15-ELV 15-ELV
 5.000 5.000
 8.000 8.000
 10.000 10.000
 10.000 10.000
 8.000 8.000

WACH
 1.300
 1.300
 1.300
 1.300

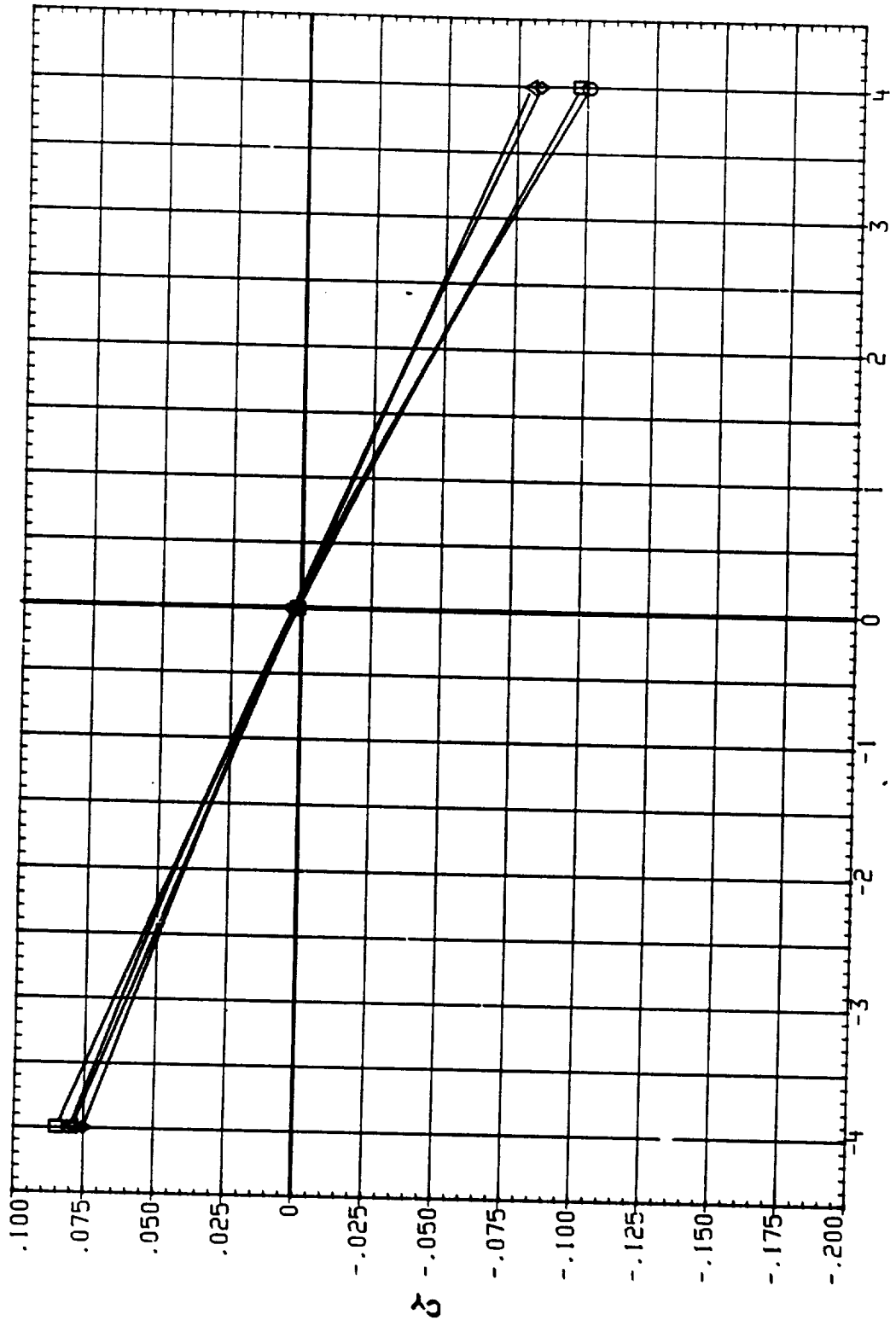


FIG. 8 EFFECT OF ELEVON SCHEDULES
 LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELY	SB-F17
RC0074	IAB13A1AEDC 161F-8291 B/L OT + ASRM, PLUMES OFF	1.300	BOTTOM	10.000	5.000
RC0074	IAB13A1AEDC 161F-8291 B/L OT + ASRM, PLUMES OFF	1.300	BOTTOM	8.000	5.000
RC0089	IAB13A1AEDC 161F-8291 B/L OT + ASRM, PLUMES ST.3	1.300	BOTTOM	10.000	5.000
RC0087	IAB13A1AEDC 161F-8291 B/L OT + ASRM, PLUMES ST.3	1.300	BOTTOM	8.000	5.000

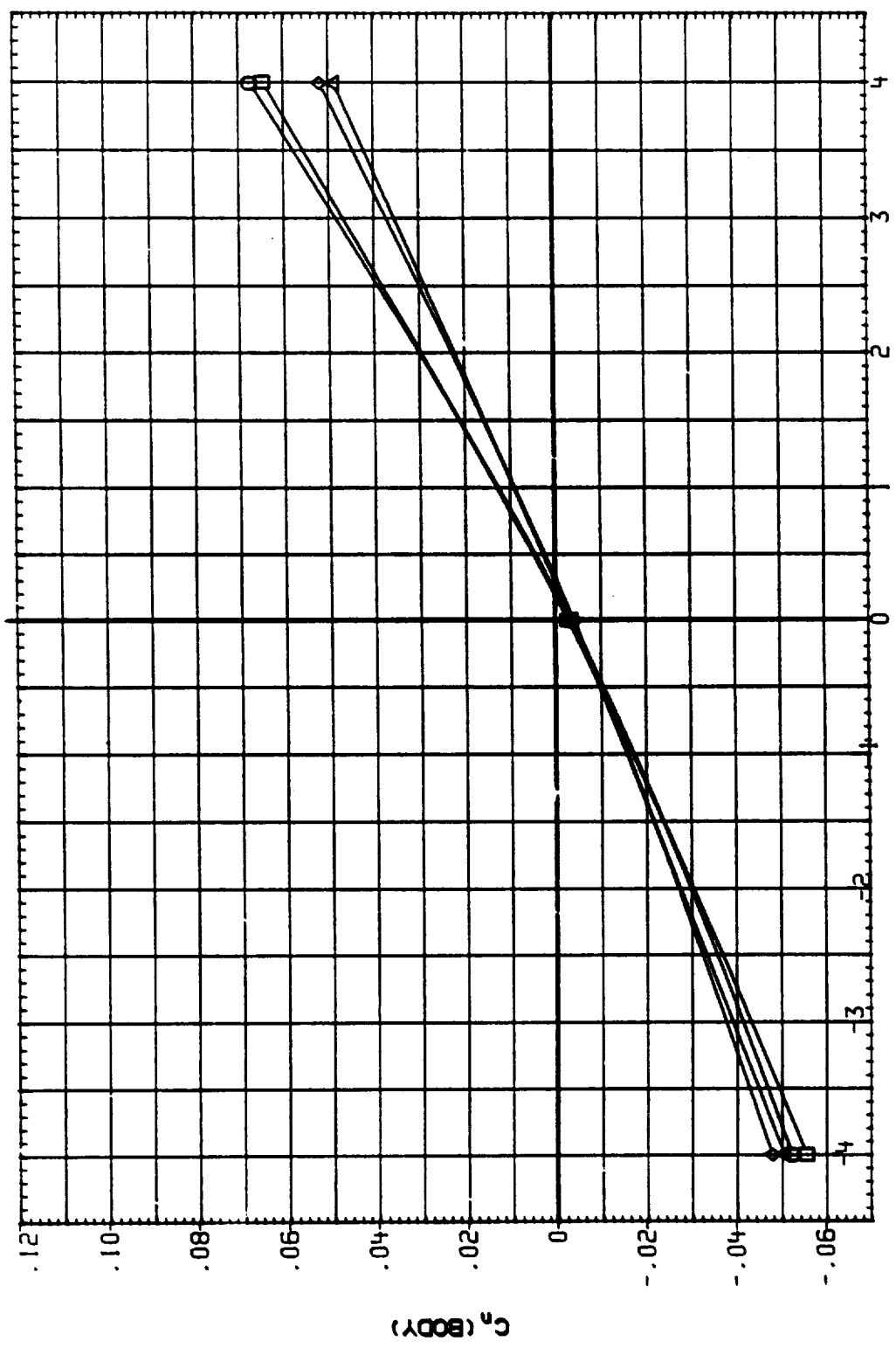


FIG. 8 EFFECT OF ELEVEN SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS
(A) ALPHA = .00

DATA SET SYMBOL

RC0074
RC0084
RC0089
RC0087

CONFIGURATION

IA613A/AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
IA613A/AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
IA613A/AEDC 16TF-829) B/L OT + ASRM, PLUMES S1.3
IA613A/AEDC 16TF-829) B/L OT + ASRM, PLUMES S1.3

MACH
1.300
1.300
1.300
1.300

IE-BOX
BOTTOM
BOTTOM
BOTTOM
BOTTOM

IB-ELV
10.000
8.000
10.000
8.000

OB-ELV
5.000
5.000
5.000
5.000

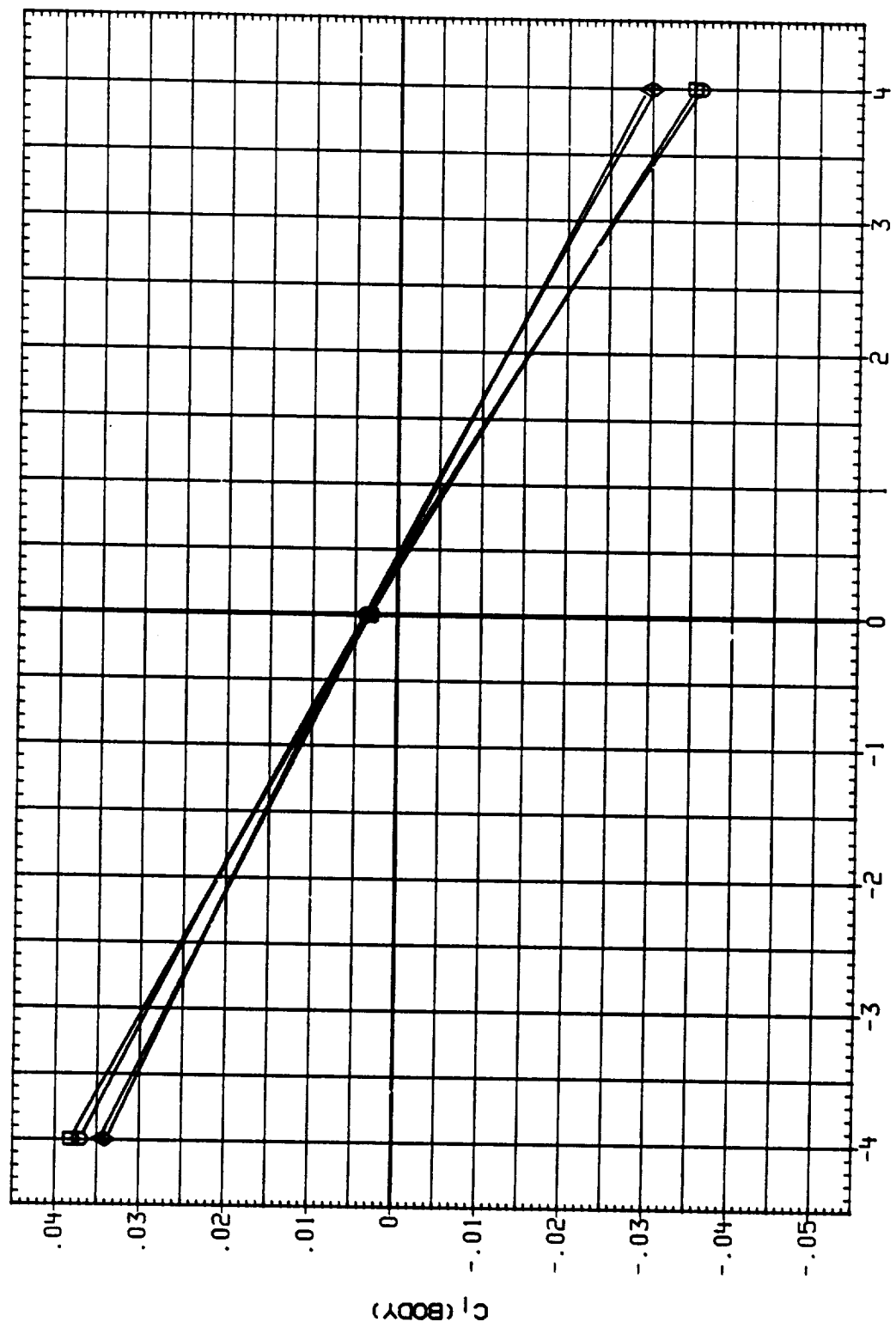


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS
(A) ALPHA = .00

DATA SET SYMBOL

RC0075
RC0045
RC0090
RC0088

□
◇
△

CONFIGURATION

1A613A1AEDC 161F-829) B/L OT * ASRH, PLUMES OFF
1A613A1AEDC 161F-829) B/L OT * ASRH, PLUMES OFF
1A613A1AEDC 161F-829) B/L OT * ASRH, PLUMES S1.3
1A613A1AEDC 161F-829) B/L OT * ASRH, PLUMES S1.3

MACH

1.350
1.350
1.350
1.350

1E-BOX

BOTTOM
BOTTOM
BOTTOM
BOTTOM

1B-ELV

10.000
8.000
10.000
8.000

0B-ELV

5.000
5.000
5.000
5.000

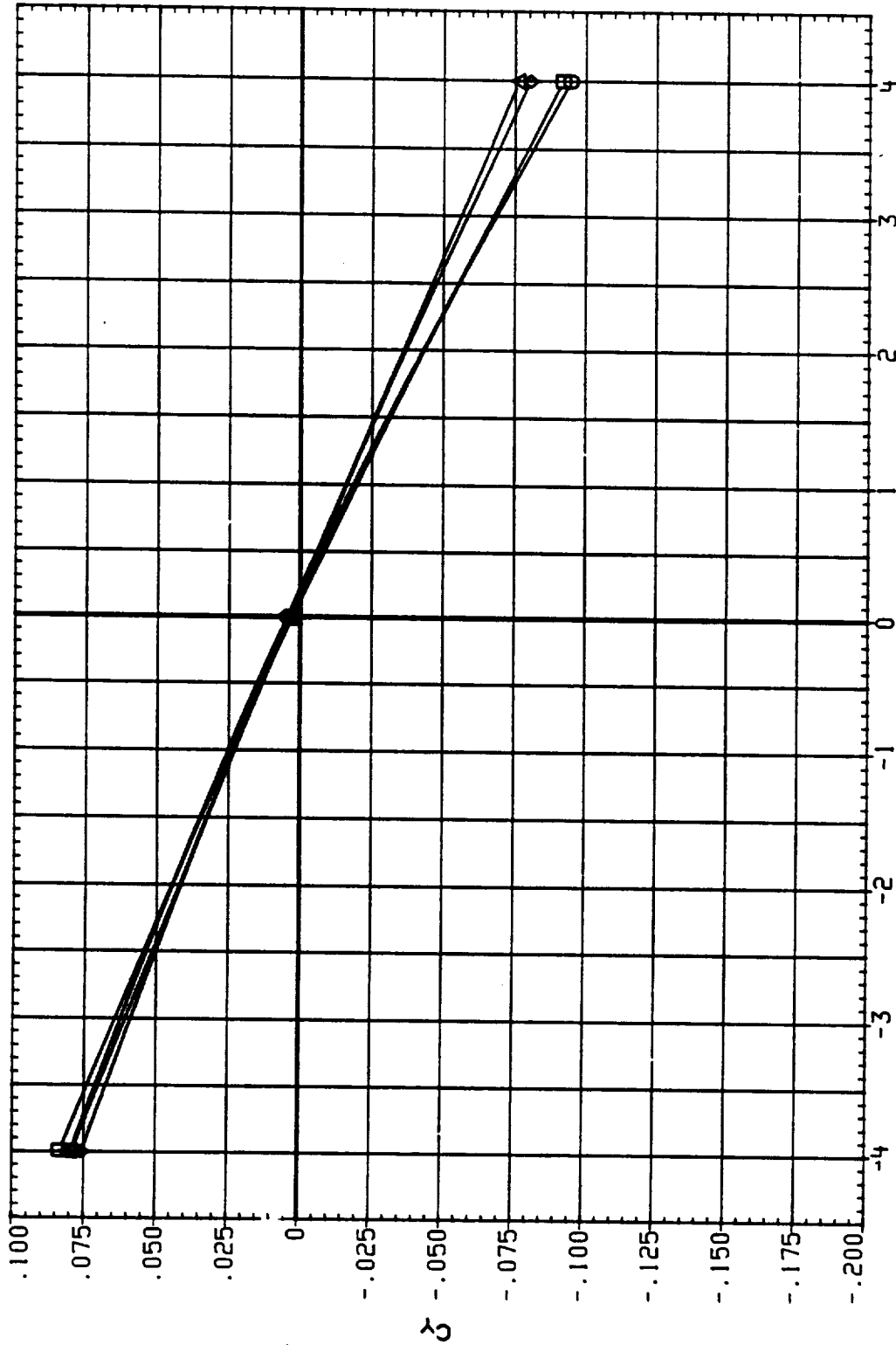


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

RC0075 □
 RC0083 ○
 RC0090 △
 RC0088 ◇

CONFIGURATION

IA613A/AEDC 16TF-829) B/L 01 * ASRH, PLUMES OFF
 IA613A/AEDC 16TF-829) B/L 01 * ASRH, PLUMES OFF
 IA613A/AEDC 16TF-829) B/L 01 * ASRH+PLUMES S1.3
 IA613A/AEDC 16TF-829) B/L 01 * ASRH+PLUMES S1.3

MACH

1.350
 1.350
 1.350
 1.350

1EABOX

BOTTOM
 BOTTOM
 BOTTOM
 BOTTOM

1B-ELV

10.000
 8.000
 10.000
 8.000

0B-ELV

5.000
 5.000
 5.000
 5.000

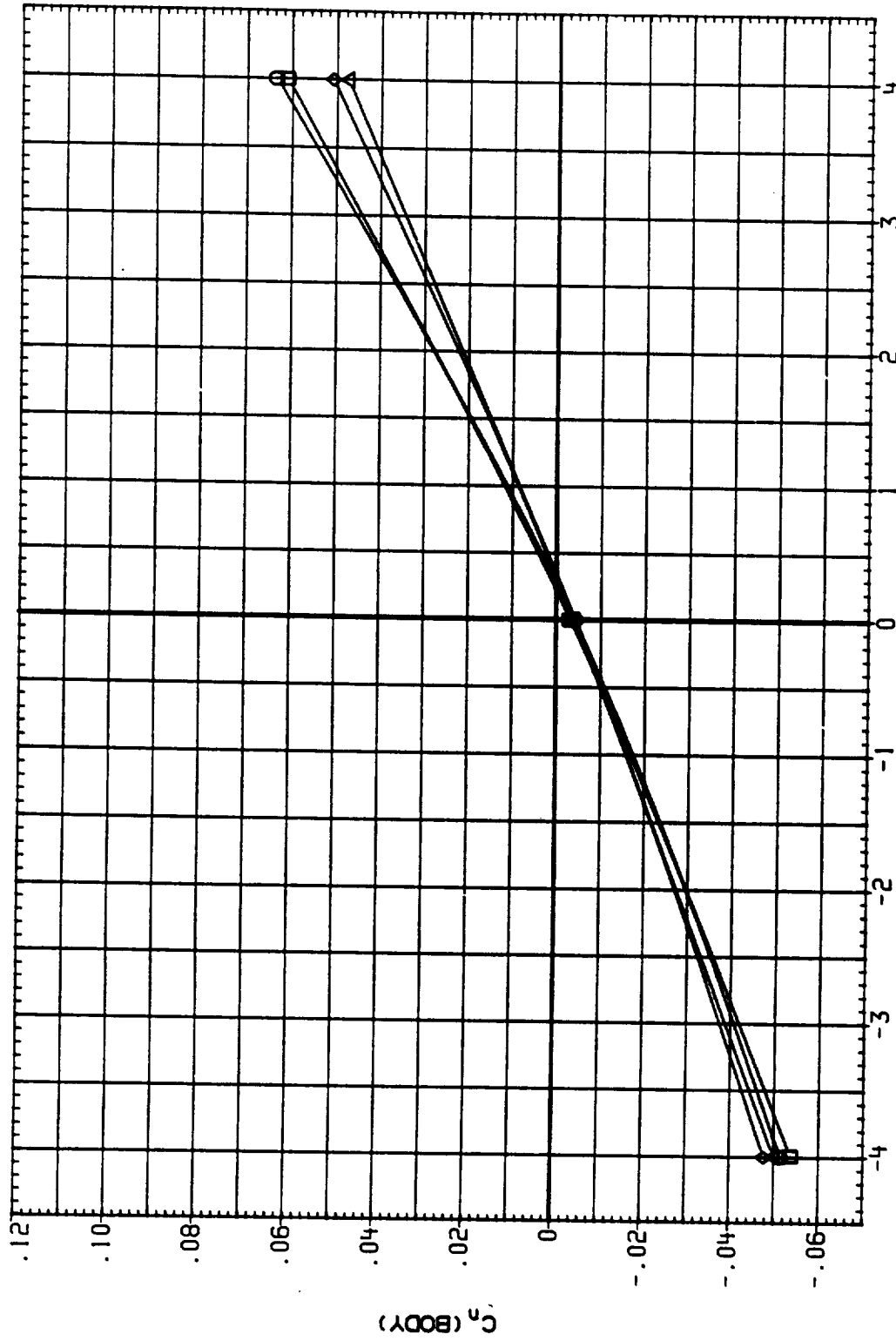


FIG. 8 EFFECT OF ELEVON SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

CONFIGURATION

MACH

ICABOX

IB-ELV

OB-ELV

RC0075
RC0045
RC0090
RC0089

1A613A(AEDC 161F-829) B/L O1 * ASRH, PLUMES OFF
1A613A(AEDC 161F-829) B/L O1 * ASRH, PLUMES OFF
1A613A(AEDC 161F-829) B/L O1 * ASRH+PLUMES S1.3
1A613A(AEDC 161F-829) B/L O1 * ASRH+PLUMES S1.3

1.350
1.350
1.350

BOTTOM
BOTTOM
BOTTOM

10.000
8.000
10.000

5.000
5.000
5.000

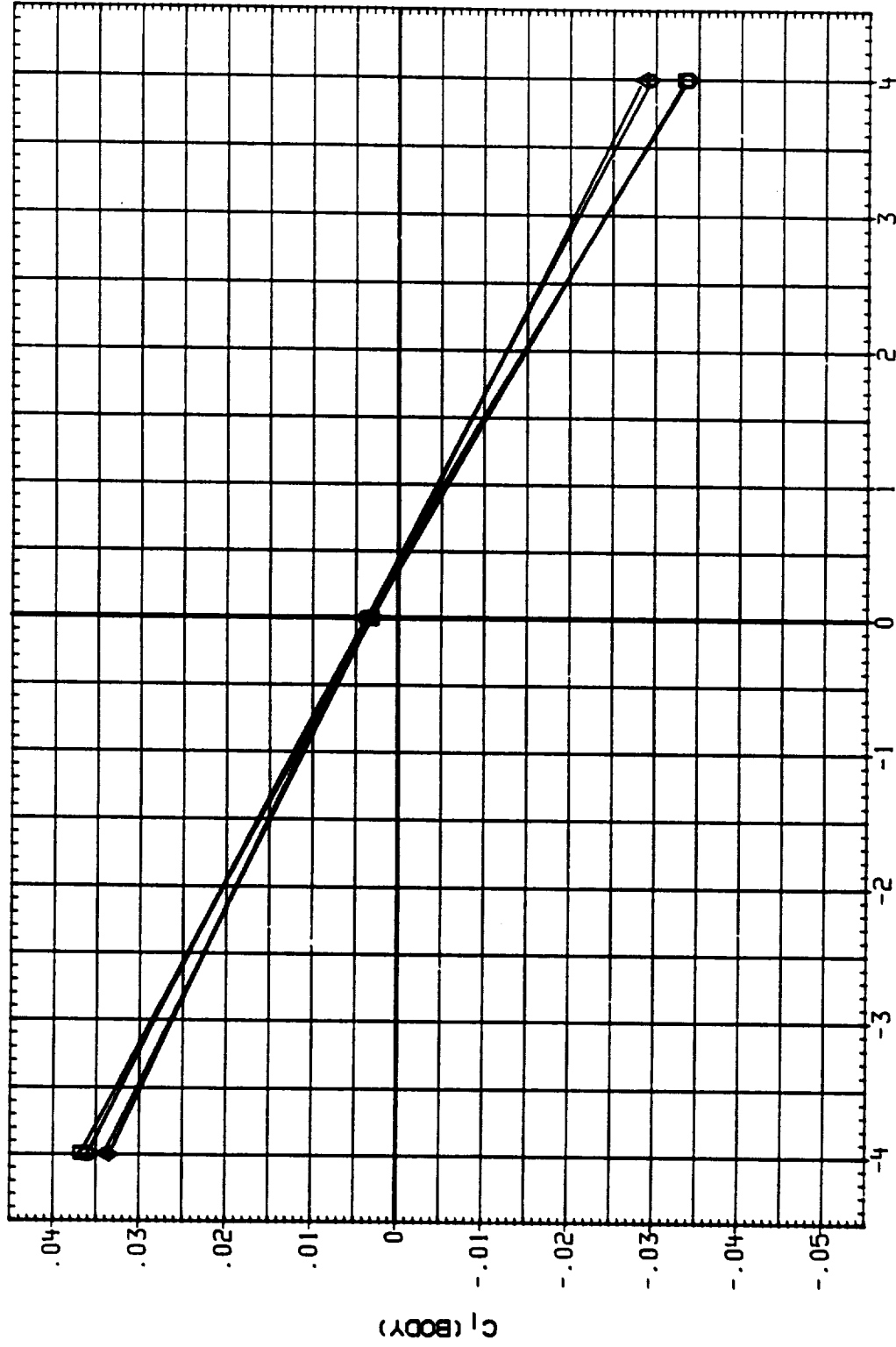


FIG. 8 EFFECT OF ELEVON SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

- RC0076 □
- RC0078 ○
- RC0046 △
- RC0091 ▽
- RC0093 ▽
- RC0089 ▽

CONFIGURATION

- IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
- IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
- IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
- IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF
- IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES SI.3
- IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES SI.3

MACH

- 1.400
- 1.400
- 1.400
- 1.400
- 1.400
- 1.400

IC4BOX

- BOTTOM
- BOTTOM
- BOTTOM
- BOTTOM
- BOTTOM
- BOTTOM

IB-ELV

- 10.000
- 10.000
- 8.000
- 10.000
- 10.000
- 8.000

OB-ELV

- 5.000
- 5.000
- 5.000
- 5.000
- 5.000
- 5.000

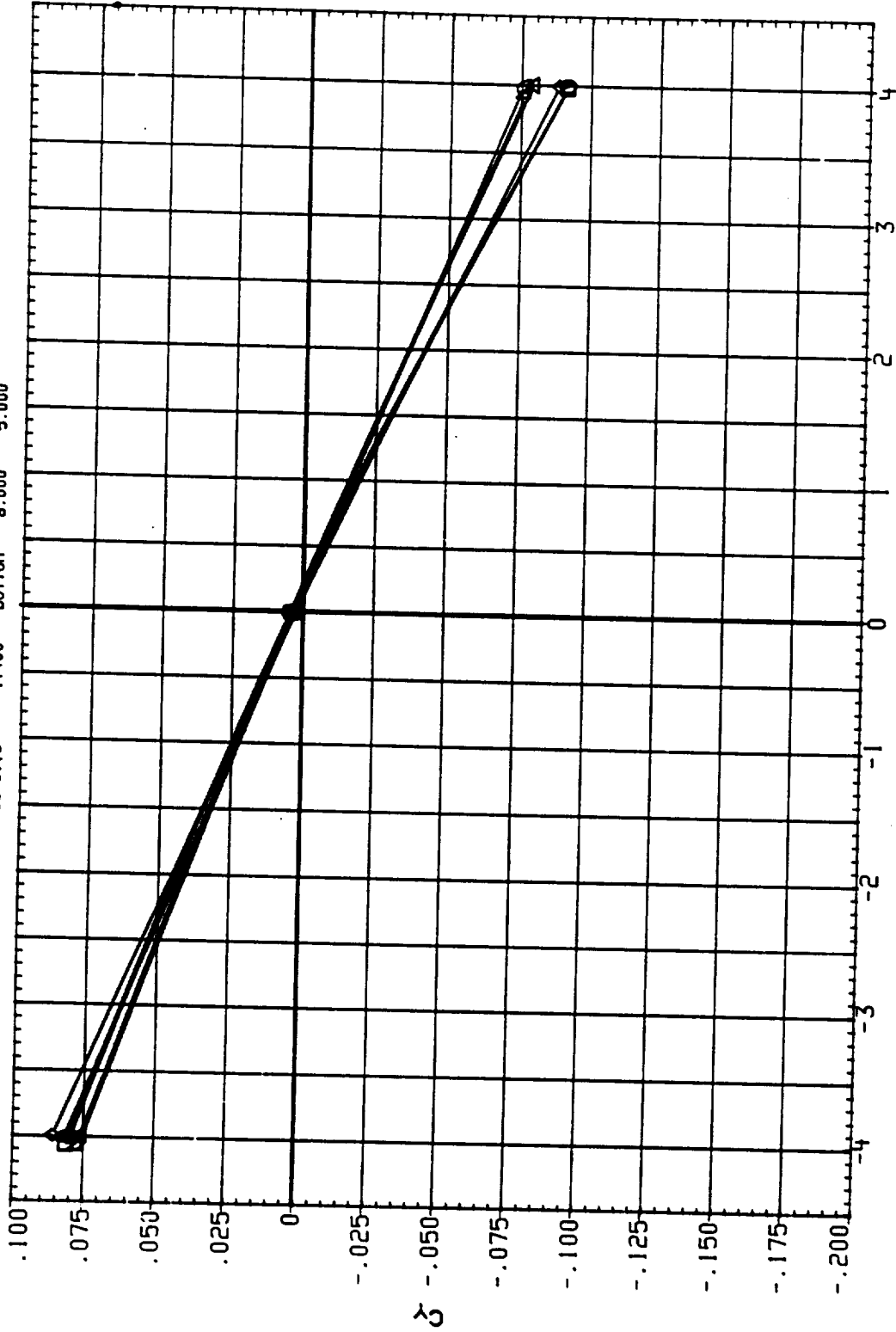


FIG. 8 EFFECT OF ELEVON SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

- RC0076 □
- RC0078 □
- RC0046 △
- RC0091 △
- RC0093 △
- RC0089 △

CONFIGURATION

- IA613A1AEDC 161F-8291 B/L 01 * ASRM. PLUMES OFF
- IA613A1AEDC 161F-8291 B/L 01 * ASRM. PLUMES OFF
- IA613A1AEDC 161F-8291 B/L 01 * ASRM. PLUMES OFF
- IA613A1AEDC 161F-8291 B/L 01 * ASRM. PLUMES S1.3
- IA613A1AEDC 161F-8291 B/L 01 * ASRM. PLUMES S1.3
- IA613A1AEDC 161F-8291 B/L 01 * ASRM. PLUMES S1.3

MACH

- 1.400
- 1.400
- 1.400
- 1.400
- 1.400
- 1.400

LEABOX

- BOTTOM
- BOTTOM
- BOTTOM
- BOTTOM
- BOTTOM
- BOTTOM

19-ELV

- 10.000
- 10.000
- 8.000
- 10.000
- 10.000
- 8.000

09-ELV

- 5.000
- 5.000
- 5.000
- 5.000
- 5.000
- 5.000

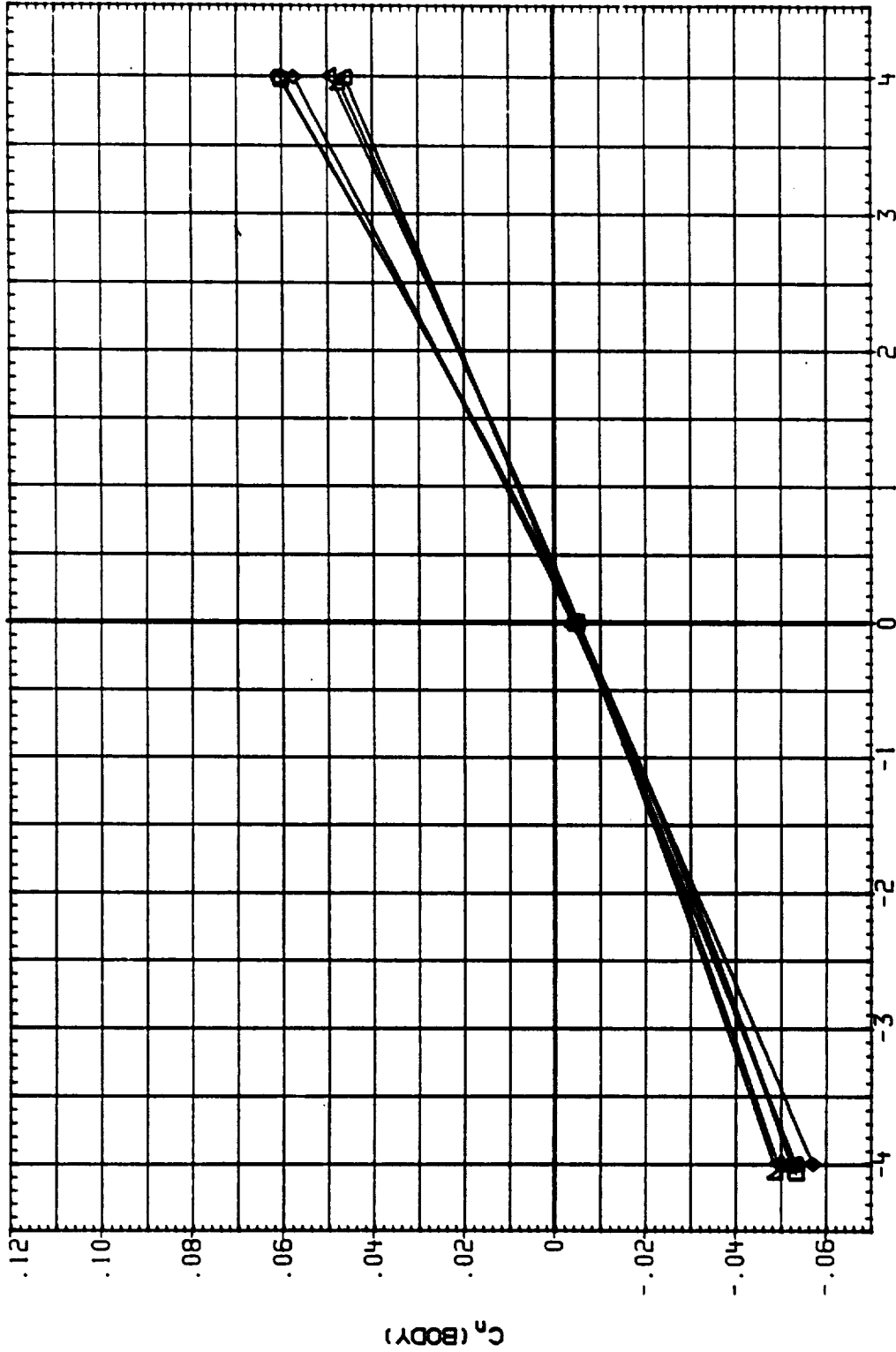


FIG. 8 EFFECT OF ELEVEN SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	CB-ELV
RC0076	IAB13A1AEDC 161F-829) B/L OT * ASRM, PLUMES OFF	1.400	BOTTOM	10.000	5.000
RC0078	IAB13A1AEDC 161F-829) B/L OT * ASRM, PLUMES OFF	1.400	BOTTOM	10.000	-5.000
RC00A6	IAB13A1AEDC 161F-829) B/L OT * ASRM, PLUMES OFF	1.400	BOTTOM	8.000	5.000
RC0091	IAB13A1AEDC 161F-829) B/L OT * ASRM, PLUMES S1.3	1.400	BOTTOM	10.000	5.000
RC0093	IAB13A1AEDC 161F-829) B/L OT * ASRM, PLUMES S1.3	1.400	BOTTOM	10.000	-5.000
RC00B3	IAB13A1AEDC 161F-829) B/L OT * ASRM, PLUMES S1.3	1.400	BOTTOM	8.000	5.000

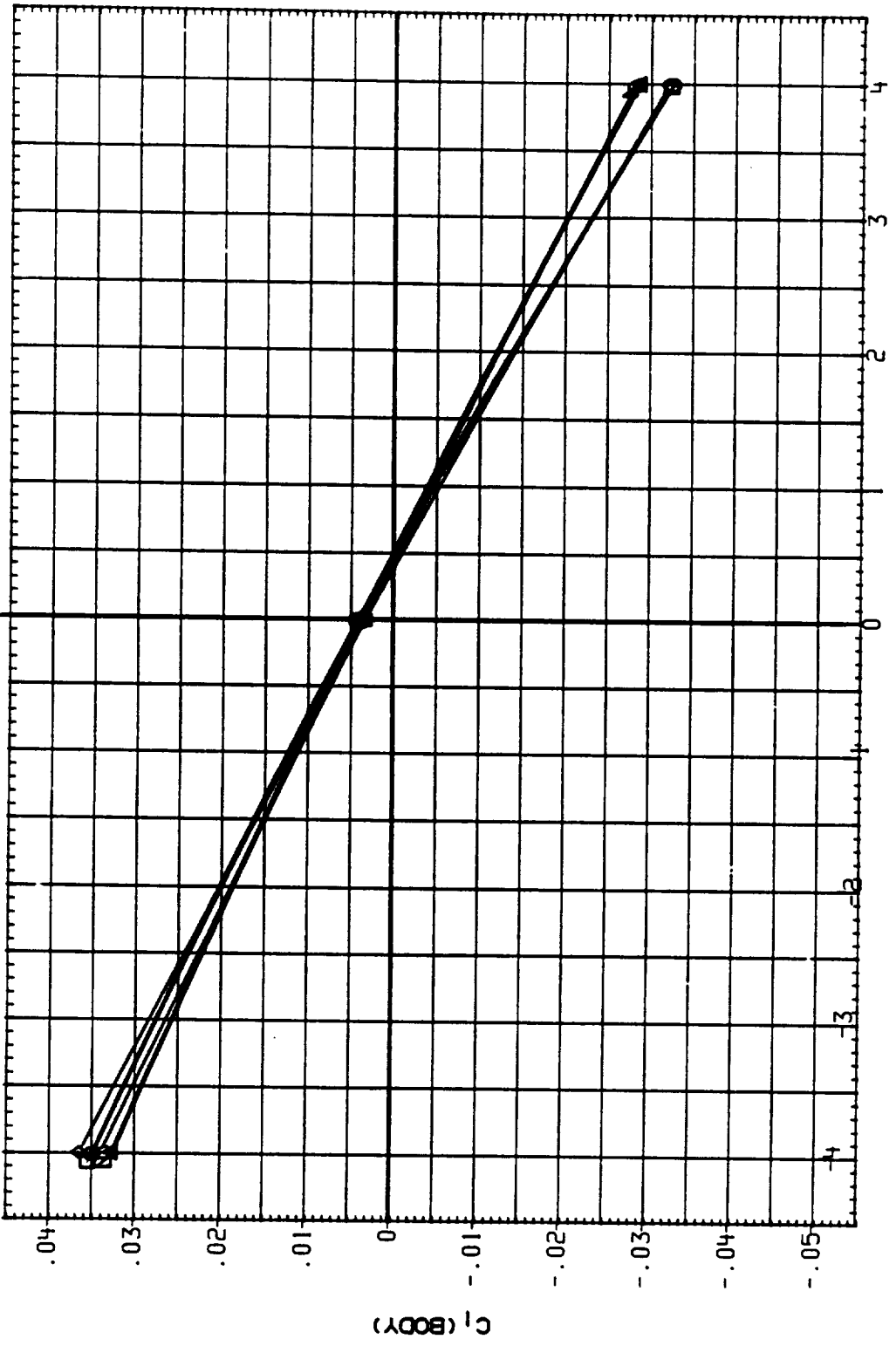


FIG. 8 EFFECT OF ELEVON SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS
(A) ALPHA = .00

DATA SET SYMBOL

- RC0077 ○
- RC0079 ◇
- RC00A7 △
- RC0092 □
- RC009A □
- RC00C0 □

CONFIGURATION

- IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES OFF
- IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES OFF
- IA613A1AEDC 161F-8291 B/L OT + ASRM, PLUMES OFF
- IA613A1AEDC 161F-8291 B/L OT + ASRM+PLUMES S1.3
- IA613A1AEDC 161F-8291 B/L OT + ASRM+PLUMES S1.3
- IA613A1AEDC 161F-8291 B/L OT + ASRM+PLUMES S1.3

MACH

- 1.550
- 1.550
- 1.550
- 1.550
- 1.550
- 1.550

IEAROX

- 901 OH
- BOTTOM
- BOTTOM
- BOTTOM
- BOTTOM
- BOTTOM

IB-ELV

- 10.000
- 10.000
- 8.000
- 10.000
- 10.000
- 8.000

OB-ELV

- 5.000
- 5.000
- 5.000
- 5.000
- 5.000
- 5.000

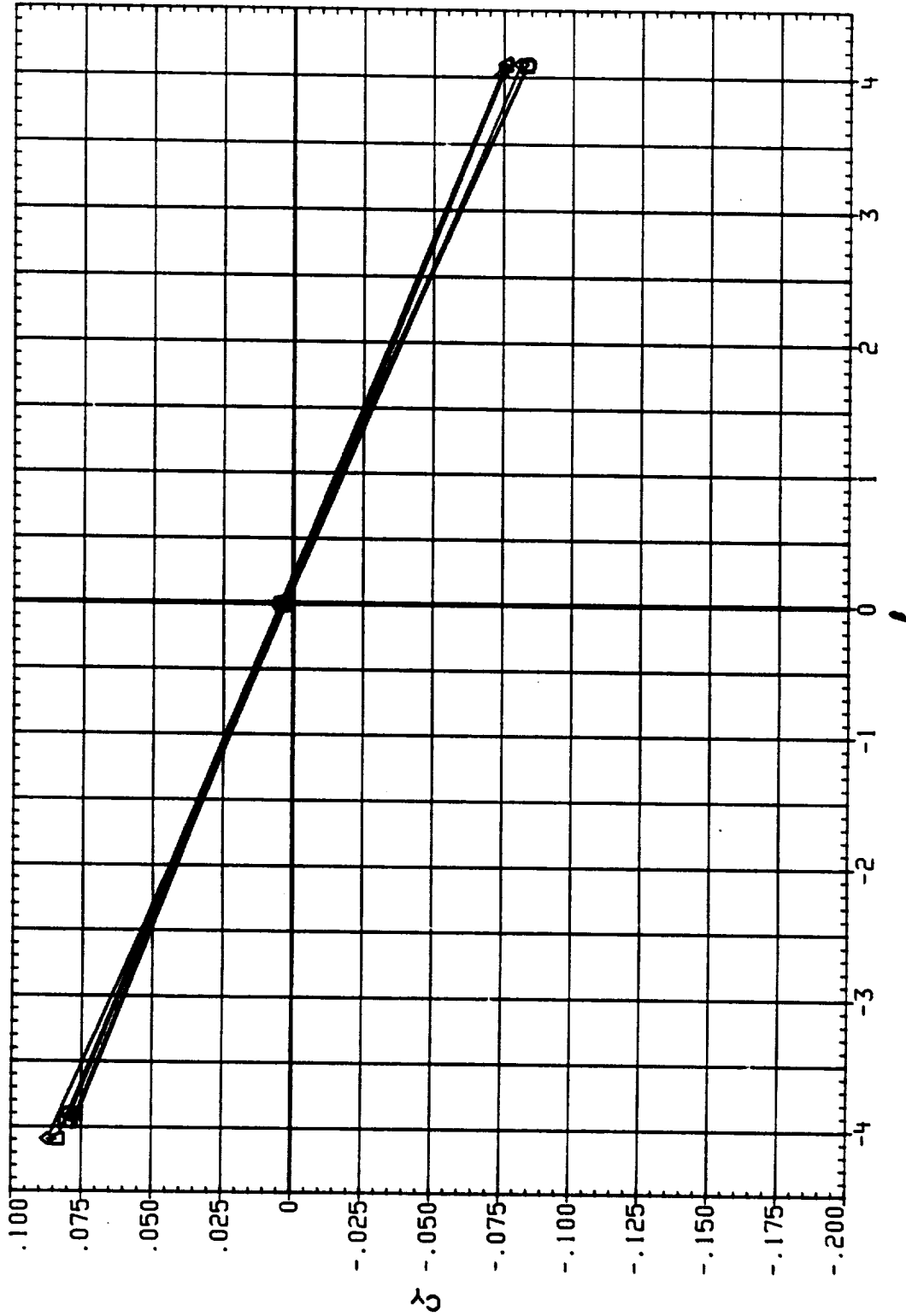


FIG. 8 EFFECT OF ELEVON SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS
(A) ALPHA = .00

DATA SET SYMBOL

- RC0077
- RC0079
- RC00A7
- RC0092
- RC0094
- RC00C0

CONFIGURATION

- IA613A(AEDC 16TF-829) B/L OT * ASRH, PLUMES OFF
- IA613A(AEDC 16IF-829) B/L OT * ASRH, PLUMES OFF
- IA613A(AEDC 16TF-829) B/L OT * ASRH, PLUMES OFF
- IA613A(AEDC 16TF-829) B/L OT * ASRH+PLUMES SI.3
- IA613A(AEDC 16TF-829) B/L OT * ASRH+PLUMES SI.3

- MACH 1.550
 - 1.550
 - 1.550
 - 1.550
 - 1.550
- IEABOX BOTTOM
 - BOTTOM
 - BOTTOM
 - BOTTOM
 - BOTTOM
- IB-ELV 10.000
 - 10.000
 - 8.000
 - 10.000
 - 10.000
- OB-ELV 5.000
 - 5.000
 - 5.000
 - 5.000
 - 5.000

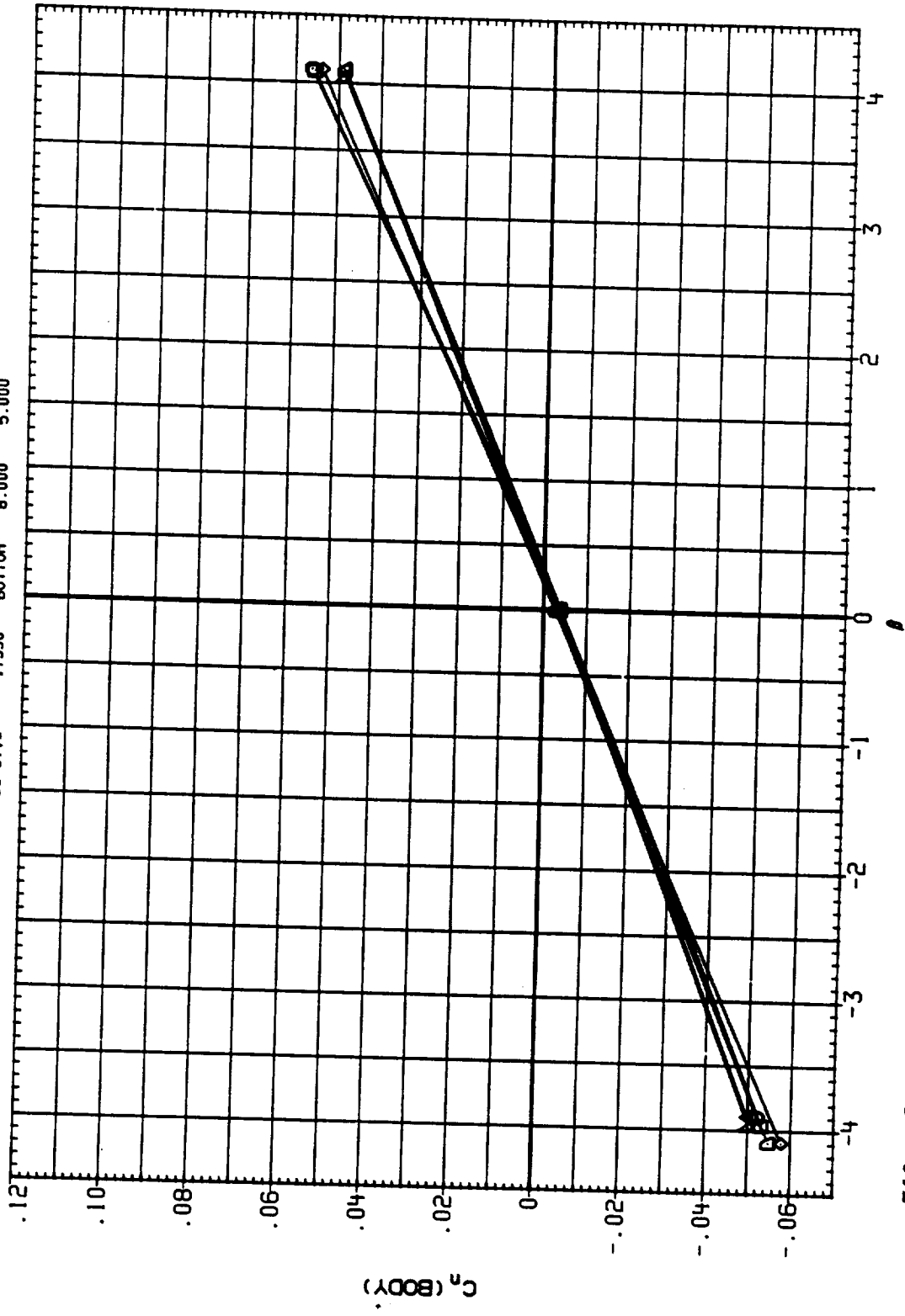


FIG. 8 EFFECT OF ELEVON SCHEDULES LATERAL-DIRECTIONAL CHARACTERISTICS
 (A) ALPHA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
RC0077	I A613A/AEDC 16TF-829) B/L OT + ASRH, PLUMES OFF	1.550	BOTTOM	10.000	5.000
RC0079	I A613A/AEDC 16TF-829) B/L OT + ASRH, PLUMES OFF	1.550	BOTTOM	19.000	-5.000
RC00A7	I A613A/AEDC 16TF-829) B/L OT + ASRH, PLUMES OFF	1.550	BOTTOM	8.000	5.000
RC0092	I A613A/AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3	1.550	BOTTOM	10.000	5.000
RC0094	I A613A/AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3	1.550	BOTTOM	10.000	-5.000
RC00C0	I A613A/AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3	1.550	BOTTOM	8.000	5.000

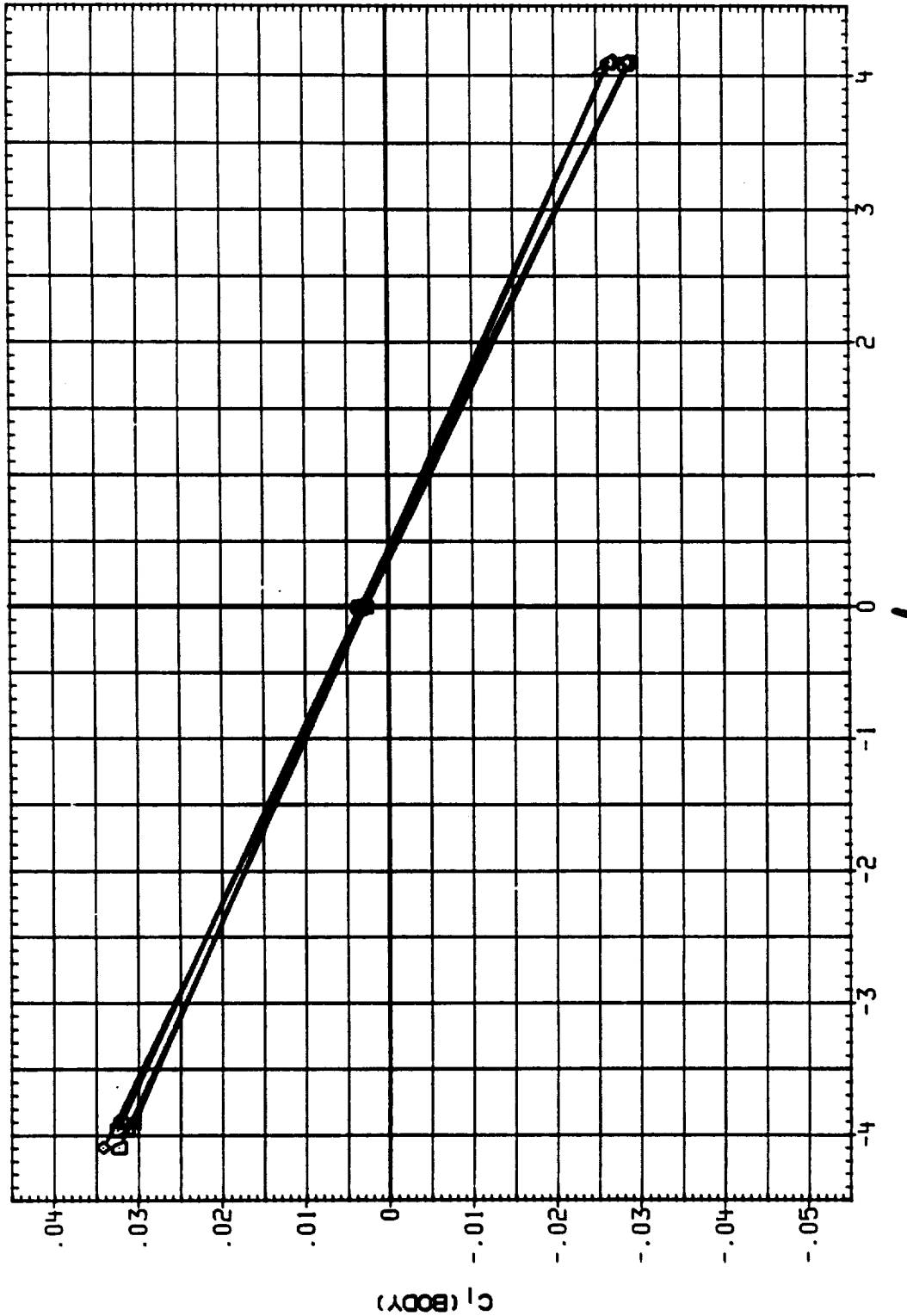


FIG. 8 EFFECT OF ELEVEN SCHEDULES
LATERAL-DIRECTIONAL CHARACTERISTICS

(A) ALPHA = .00

DATA SET SYMBOL

SC0001 ○
 SC0002 □
 SC0060 ◇

CONFIGURATION

IA613A1AEDC 161F-829) OT (MIRROR) + ASRH + S1.2
 IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2
 IA613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2

MACH

.600
 .600
 .600

IEABOX

TOP
 TOP
 TOP

IB-ELV

10.000
 10.000
 10.000

OB-L-V

5.000
 5.000
 5.000

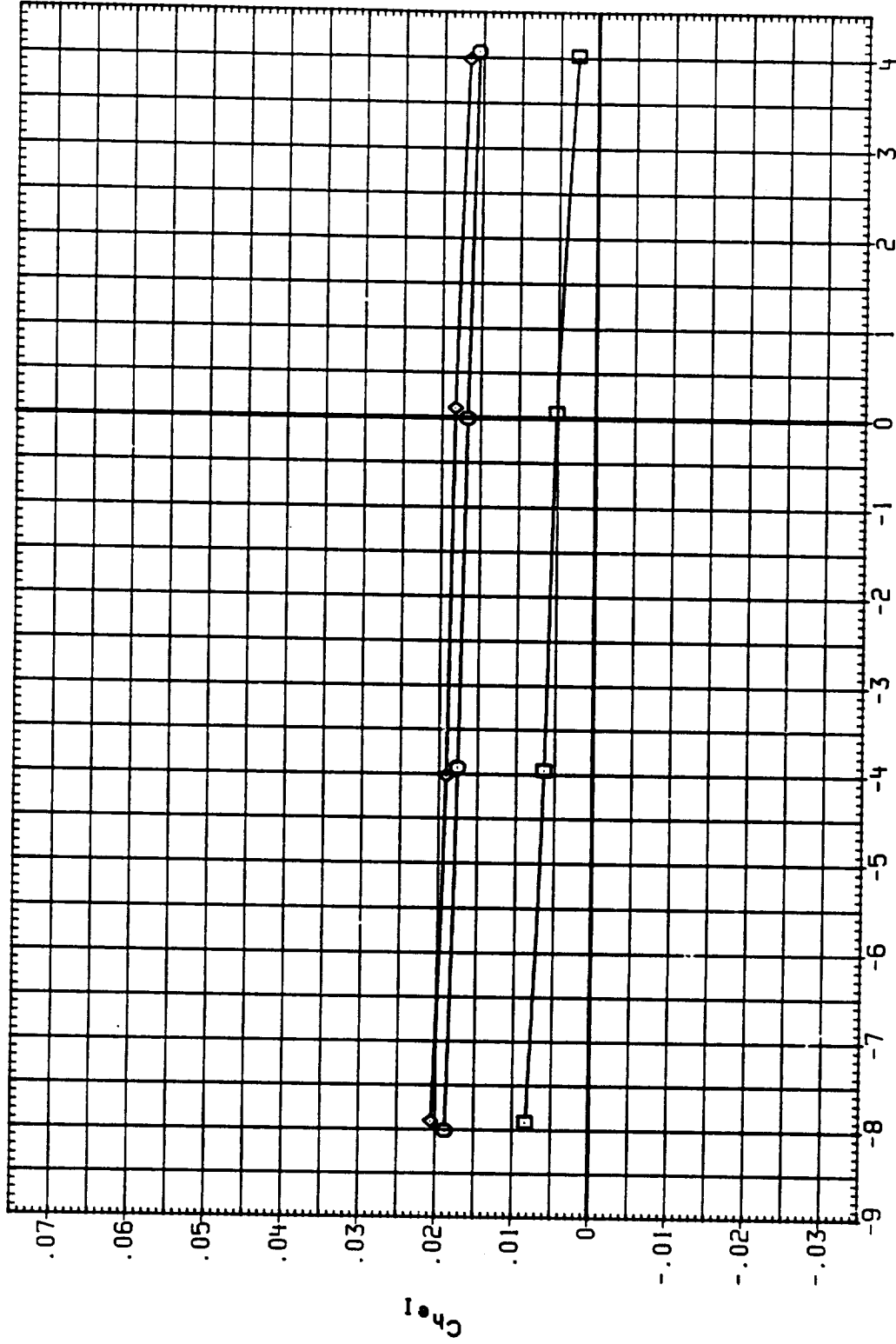


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
 WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0001
SC0042
SC0060



CONFIGURATION

14513A/AEDC 161F-829) OT (MIRROR) + ASRM + S1.2
14513A/AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
14613A/AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH 1EABOX 1B-ELV 0B-ELV
.600 TOP 10.000 5.000
.600 TOP 10.000 9.000
.600 TOP 10.000 5.000

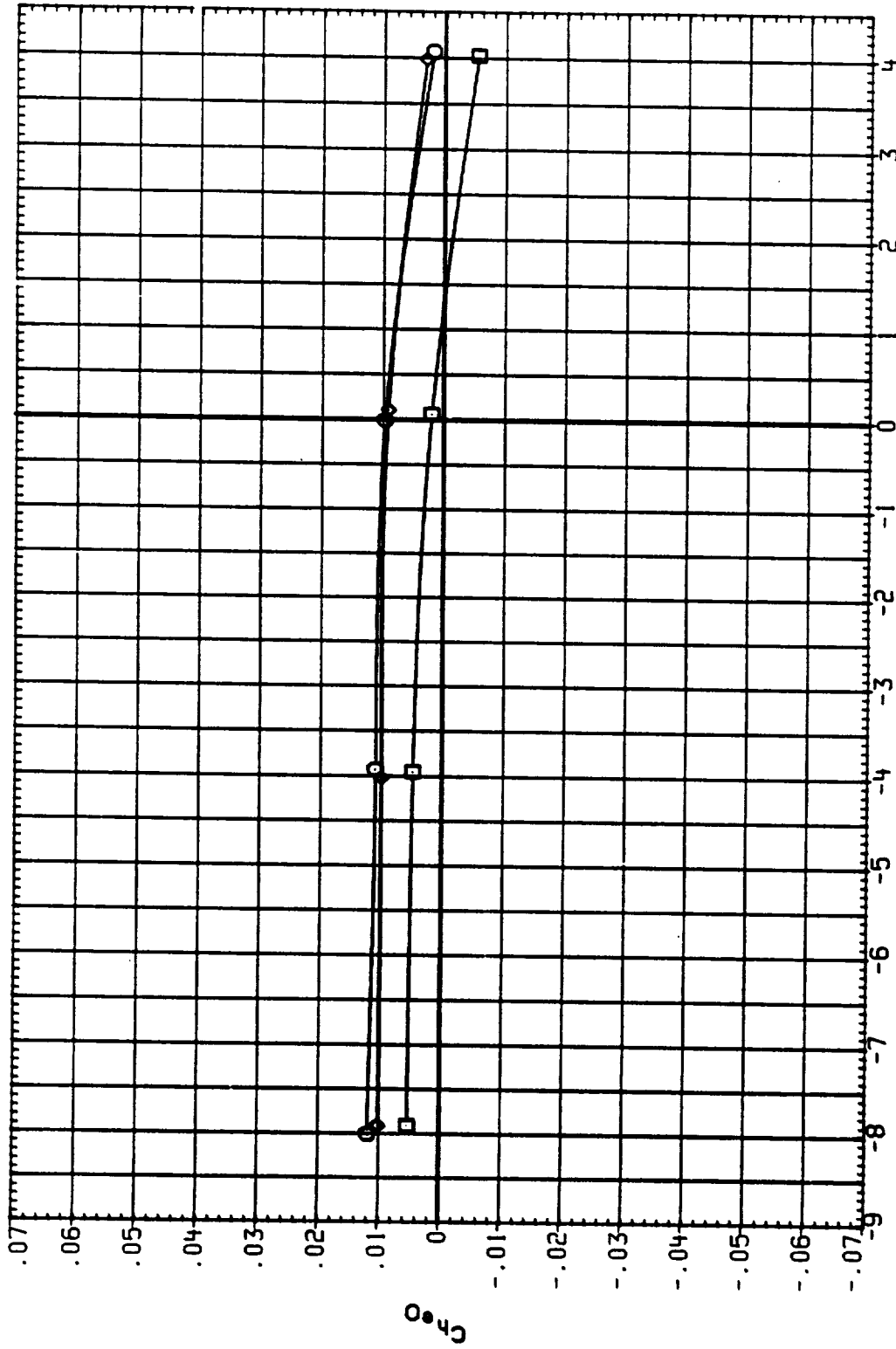


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0001
SC0042
SC0060

CONFIGURATION

IA613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.2
IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

ACH

.600
.600
.600

IE/BOX

TOP
TOP
TOP

IB-ELV

10.000
10.000
10.000

CS-ELV

5.000
9.000
5.000

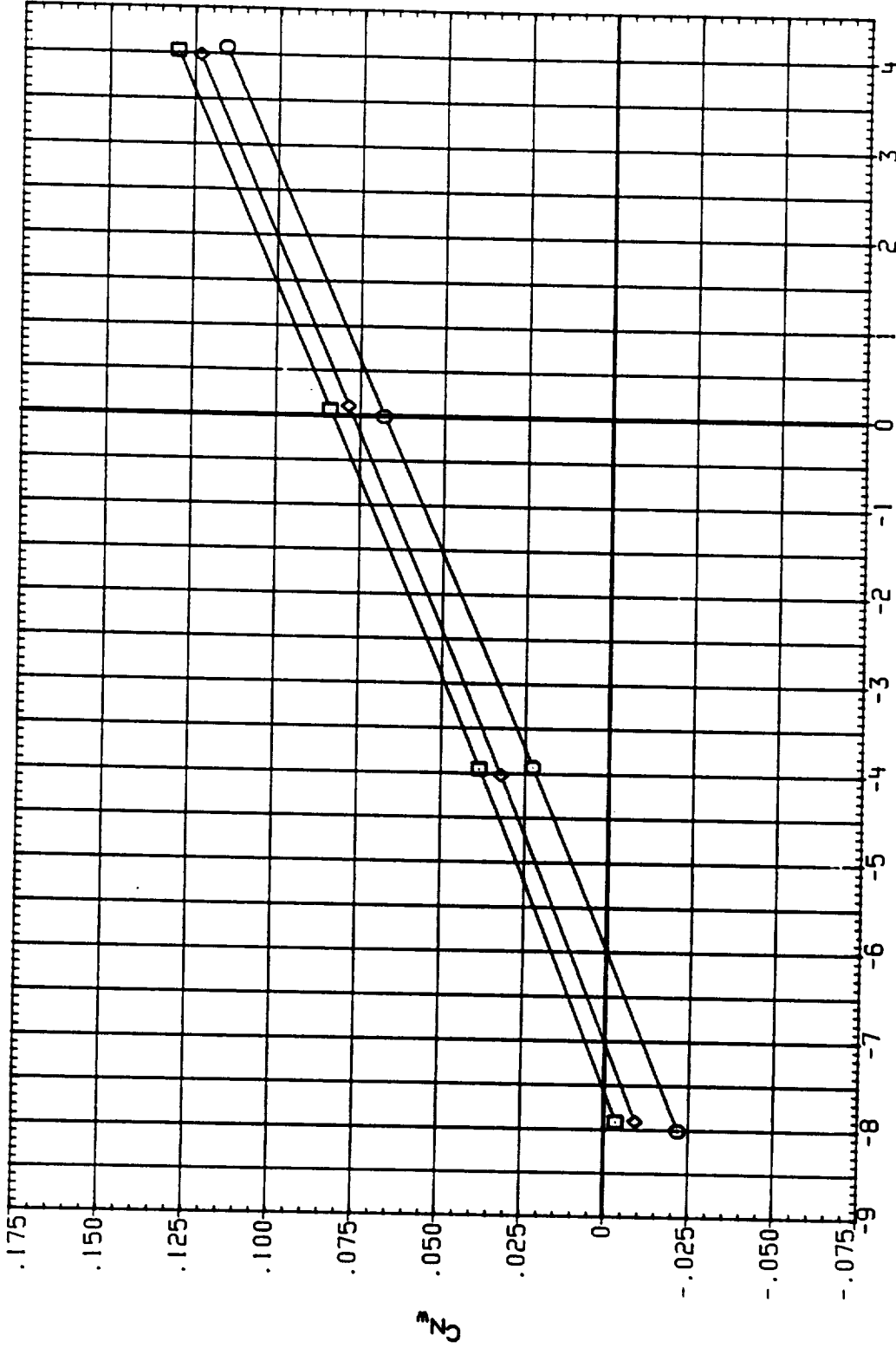


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION

5C0001	1A613A1AEDC 161F-829) OT (MIRROR) + ASRH + S1.2	MACH	1E4BOX	1B-ELY	OB-ELY
5C0042	1A613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.600	TOP	10.000	5.000
5C0060	1A613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	.600	TOP	10.000	5.000

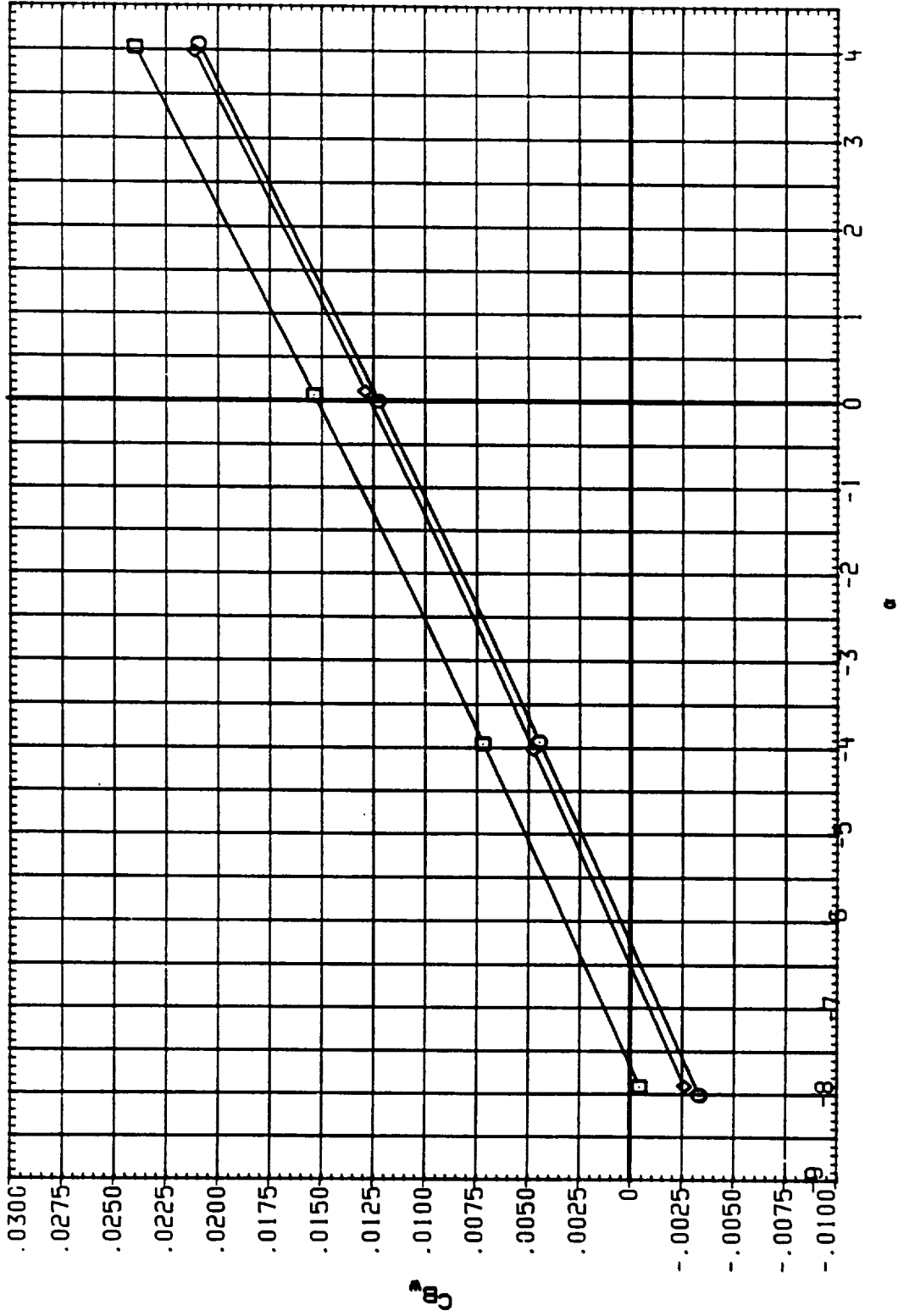


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0001
SC0002
SC0060

CONFIGURATION

IA613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.2
IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH

.600
.600
.600

IEABOX

TOP
TOP
TOP

IB-ELV

10.000
10.000
10.000

OB-ELV

5.000
9.000
5.000

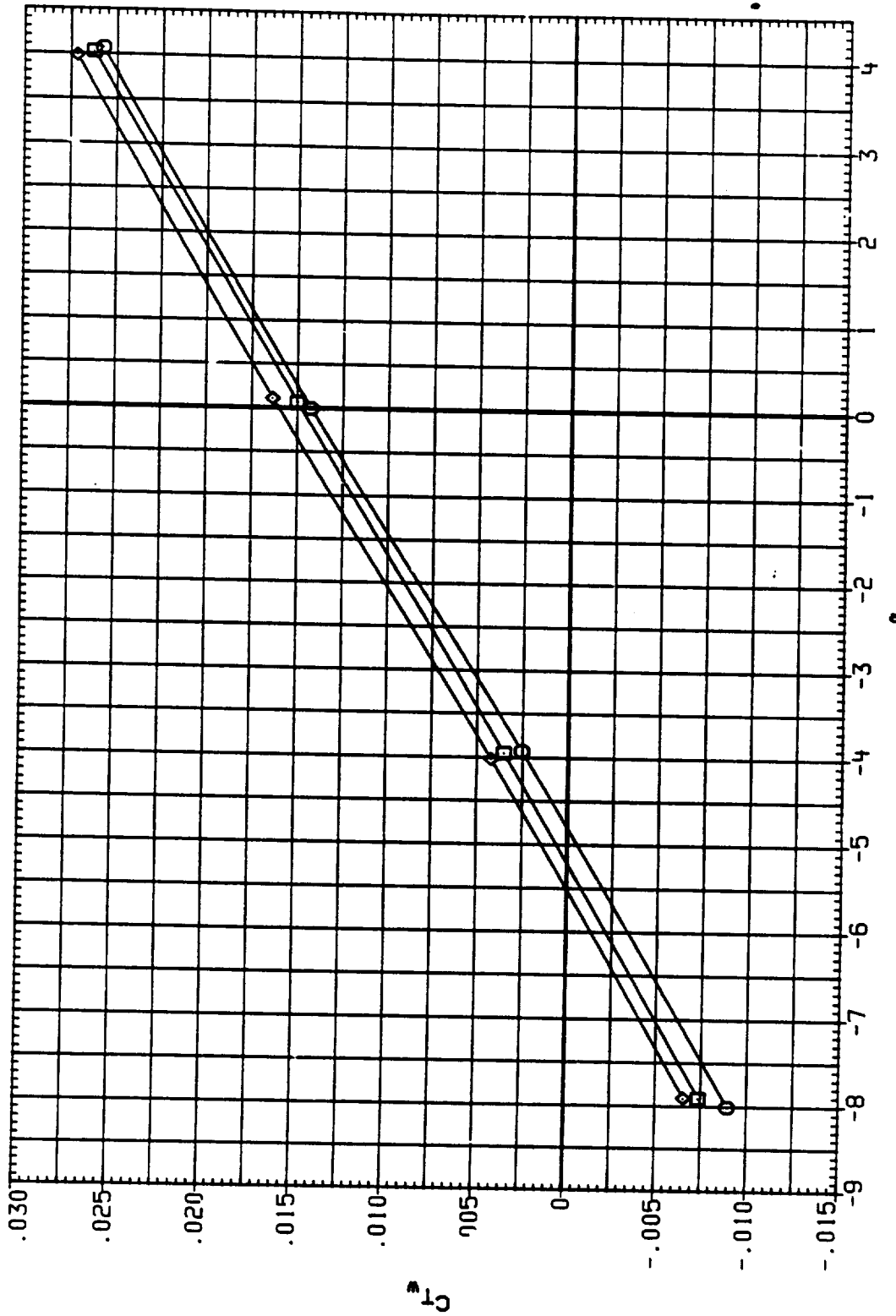


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL
 SC0002
 SC0003

CONFIGURATION
 IAB13A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.2
 IAB13A(AEDC 161F-829) 8/L OT + ASRM+PLUMES S1.2

MACH
 .800
 .800

IEABOX
 TOP
 TOP

OB-ELV
 5.000
 9.000

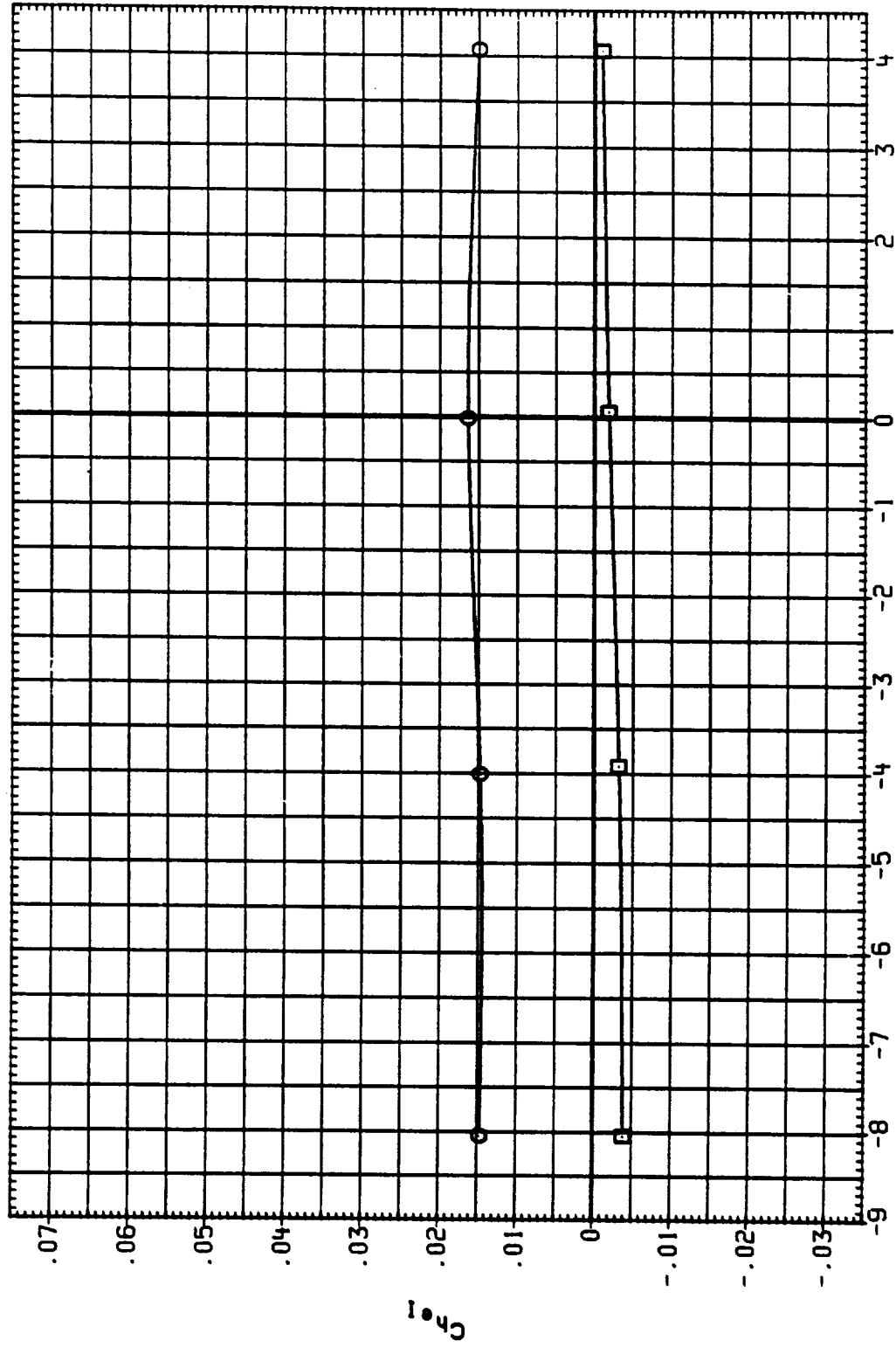


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
 WING LOADS

(A) BETA = .00

DATA SET SYMBOL
 SC0002 ○
 SC0003 □

CONFIGURATION

IA613A(AEDC 161F-829) OT (MIRROR) + ASRH + S1,2
 IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1,2

MACH
 .800
 .800

EA-BOX
 TOP
 TOP

OB-ELV
 5.000
 9.000

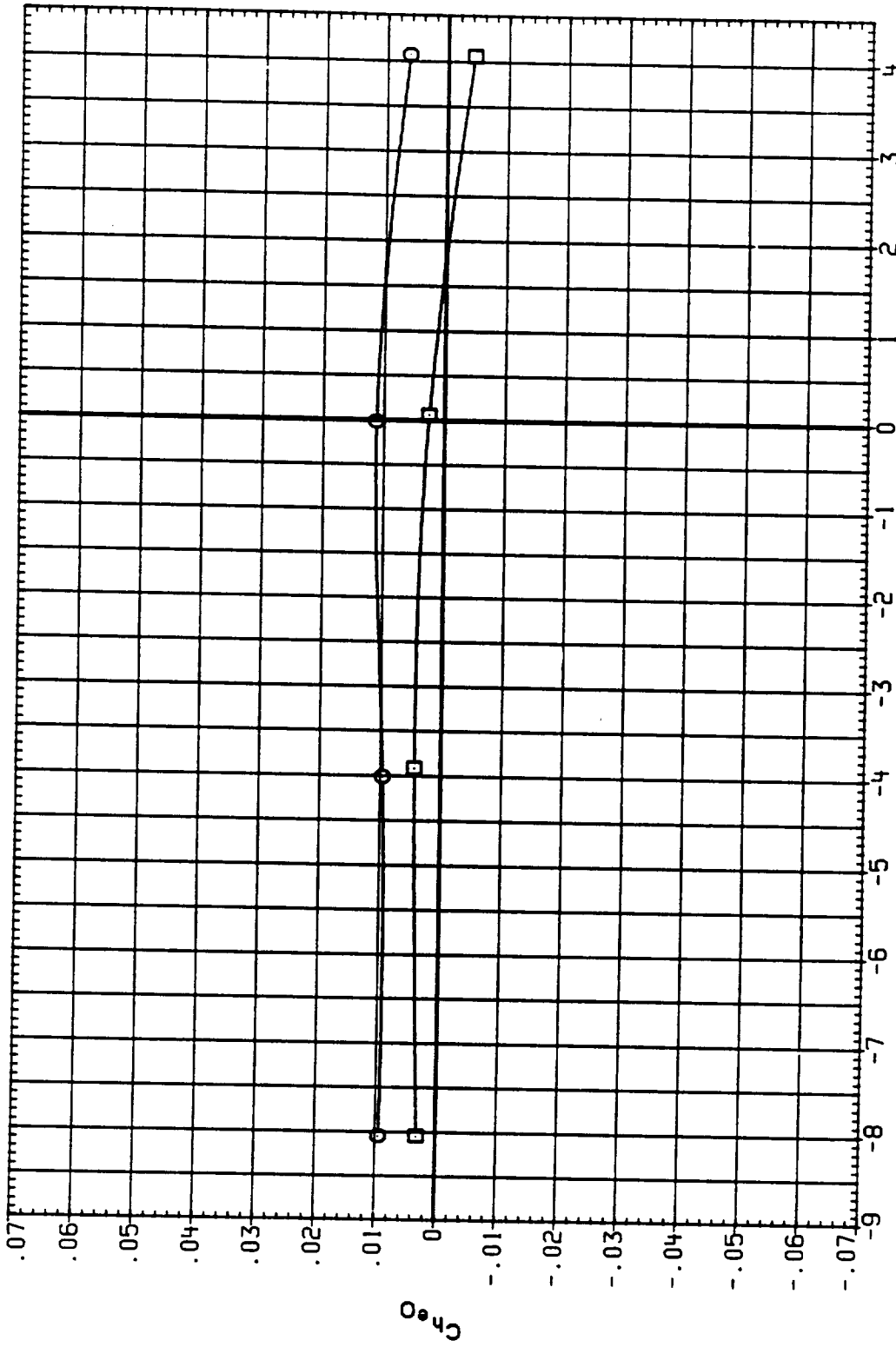


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL
SC0002
SC0003

CONFIGURATION
1A613A/AEDC 16F-829) OT (MIRROR) + ASRM + S1.2
1A613A/AEDC 16F-829) B/L OT + ASRM+PLUMES S1.2

MACH .800
.800
1EABOX TOP
TOP

1B-ELV 10.000
10.000
0B-ELV 5.000
9.000

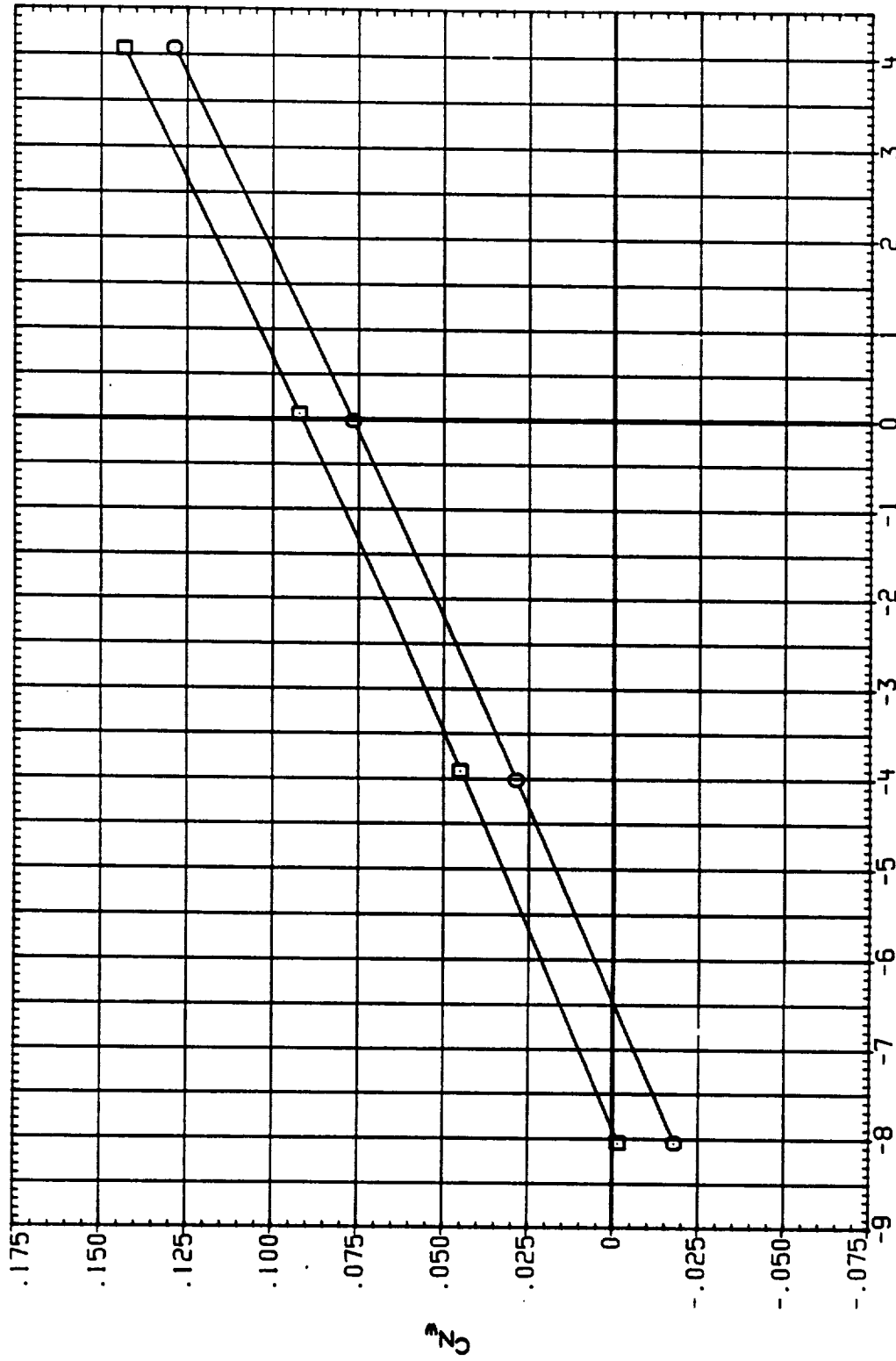


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0002
SC0003



CONFIGURATION

IA613A1AEDC 151F-929) OT (MIRROR) + ASRM + S1.2
IA613A1AEDC 161F-823) B/L OT + ASRM+PLUMES S1.2

MACH
.300
.800

IEABOX
TOP
TOP

IB-ELV
10.000
10.000

OB-ELV
5.000
9.000

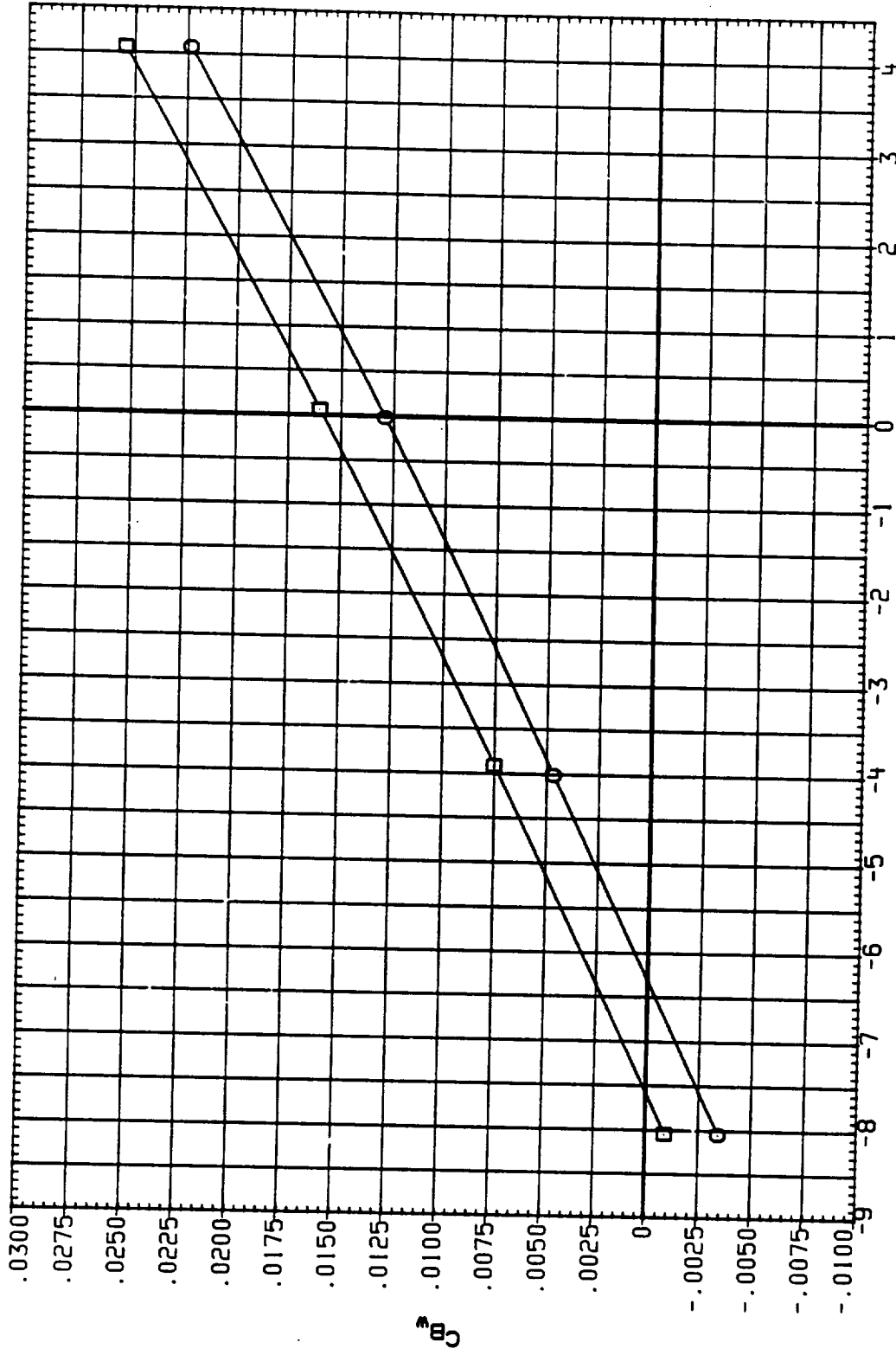


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL
 SC0002
 SC0003

CONF IGURATION

IA613A1AEDC 161F-8291 OT (MIRROR) + ASRM + S1.2
 IA613A1AEDC 161F-8291 B/L OT + ASRM+PLUMES S1.2

MACH

.800
 .800

IE4BOX

TOP
 TOP

IB-ELV

10.000
 10.000

OB-ELV

5.000
 9.000

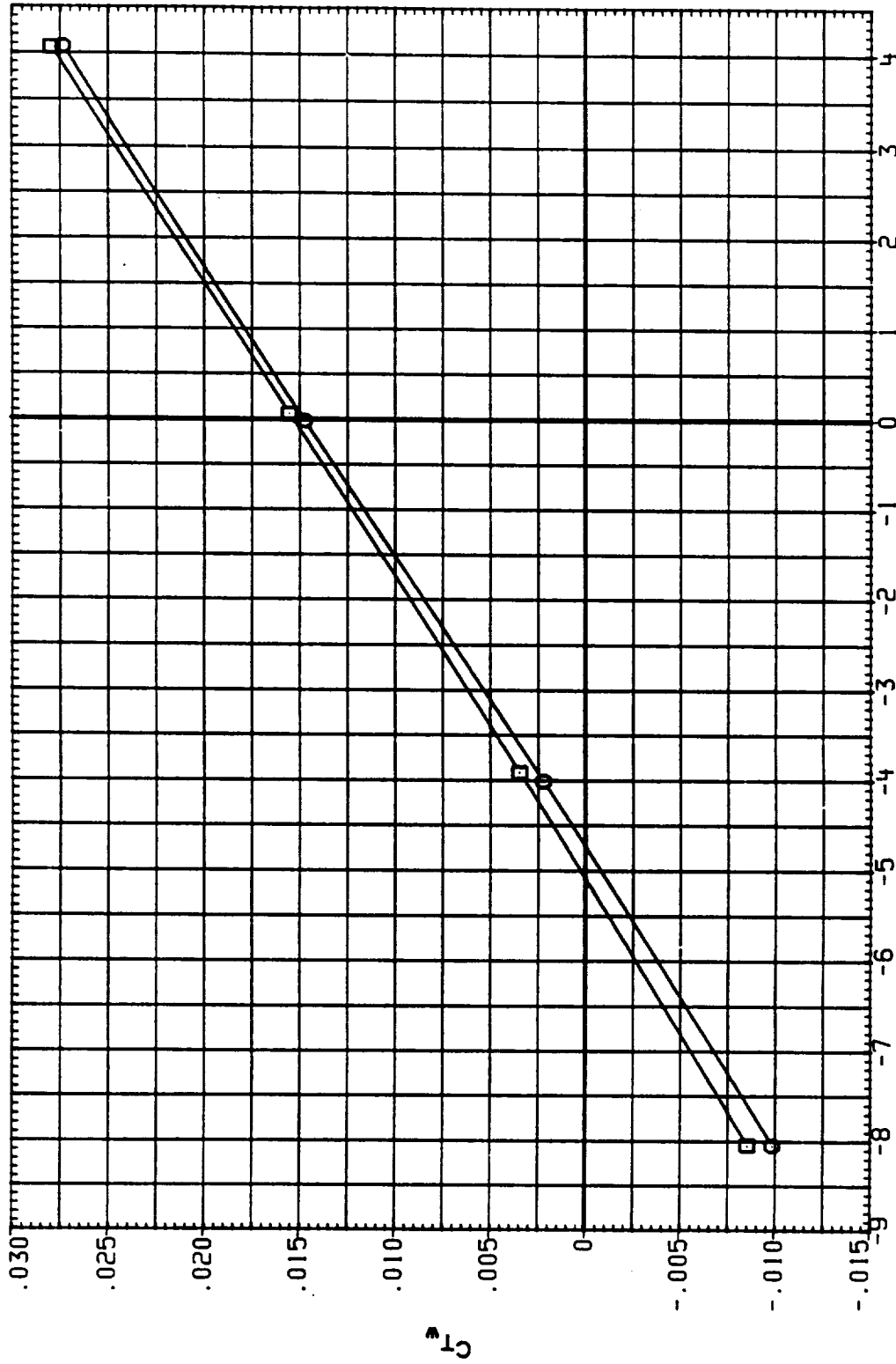


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0003
SC0004
SC0061

CONFIGURATION

IA613A1AEDC 161F-829) OT (MIRROR) + ASRM + S1.2
IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH

.900
.900
.900

IEABOX

TOP
TOP
TOP

IB-ELV

10.000
10.000
10.000

OB-ELV

5.000
9.000
5.000

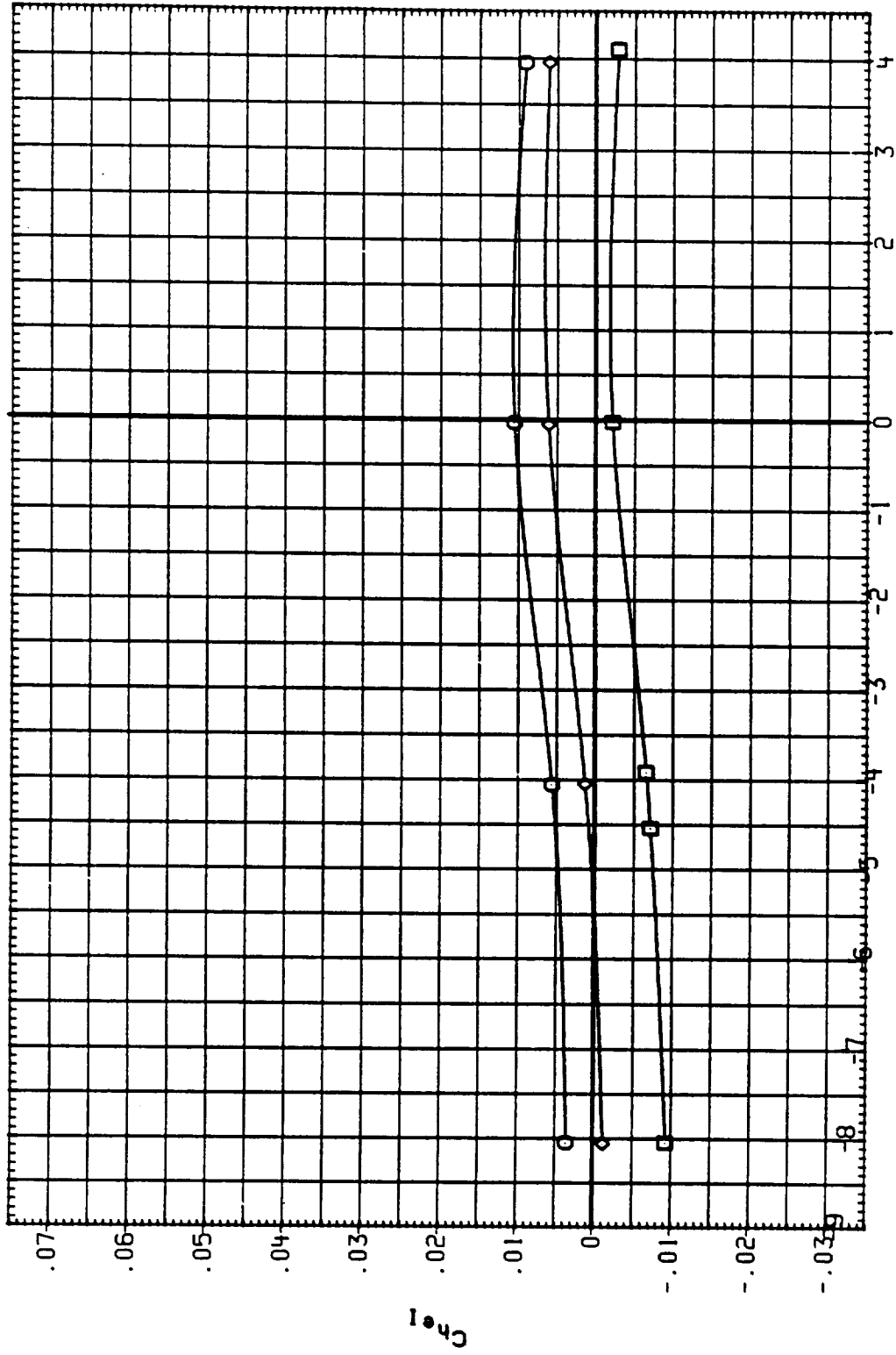


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL
 SC0003
 SC0044
 SC0061

CONFIGURATION

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2
 IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUNES S1.2
 IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUNES S1.2

MACH .900
 .900
 .900

ICABOX TOP
 TOP
 TOP

IB-ELV 10.000
 10.000
 10.000

OB-ELV 5.000
 9.000
 5.000

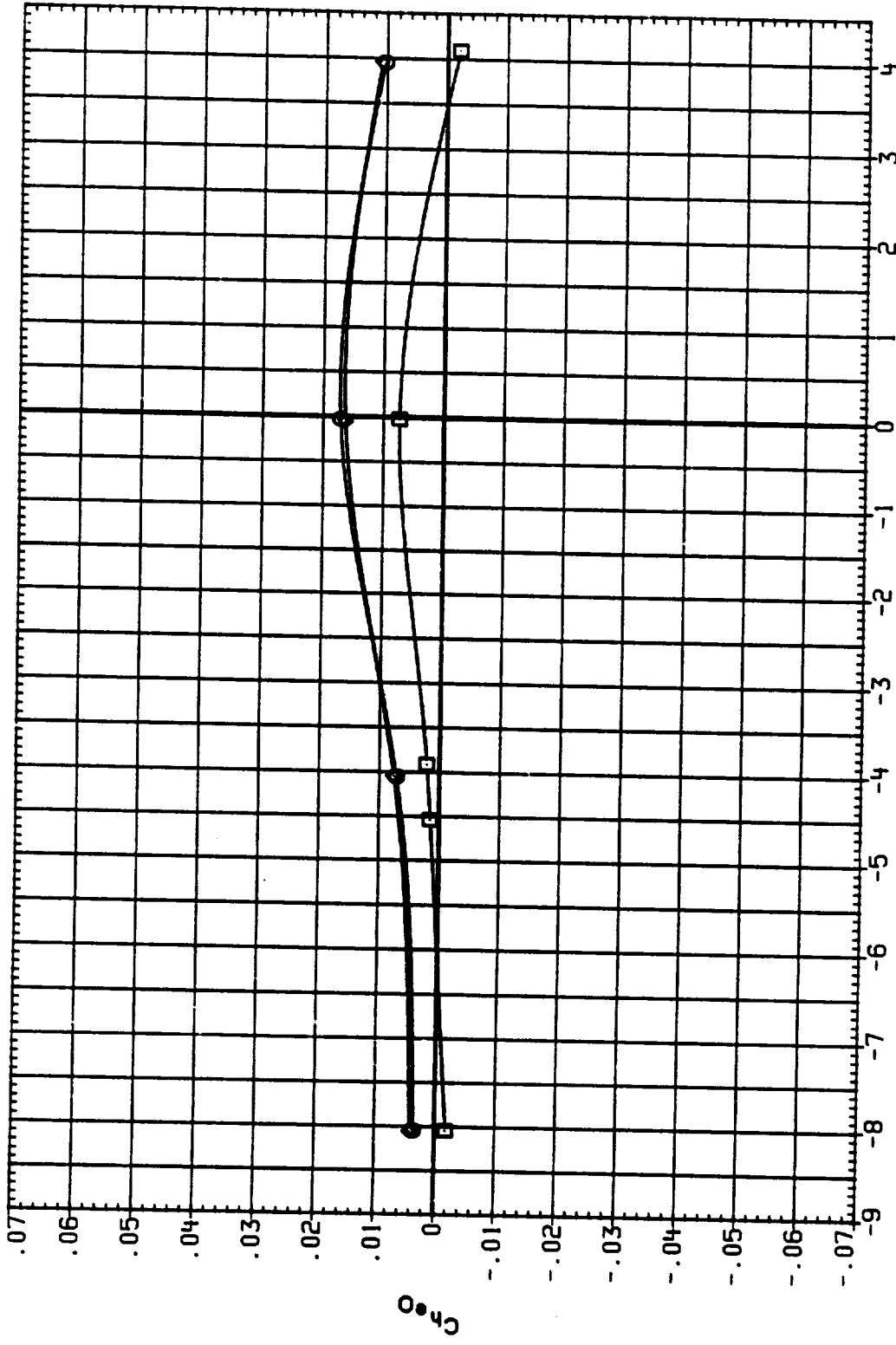


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION ON WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0003
SC0044
SC0061

CONFIGURATION

IA613A1AEDC 161F-829) OT (MIRROR) + ASRH + S1.2
IA613A1AEDC 161F-829) B/L OT + ASRH+FLUMES S1.2
IA613A1AEDC 161F-829) B/L OT + ASRH+FLUMES S1.2

MACH

.900
.900

IEABOX

TOP
TOP

IB-ELV

10.000
10.000

OB-ELV

5.000
9.000
5.000

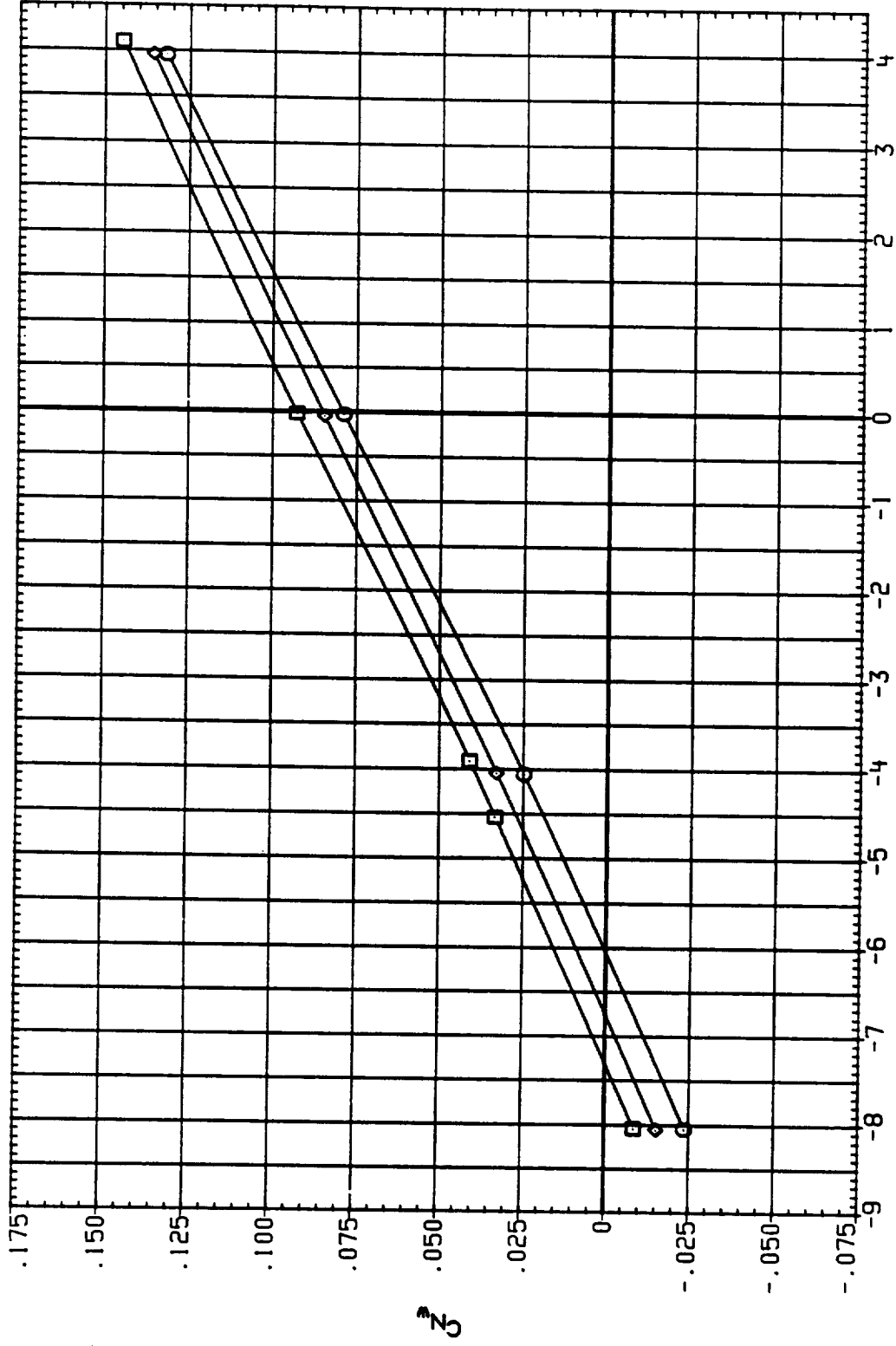


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL
 SC0023
 SC0044
 SC0061

CONFIGURATION

IAS13A1AEDC 161F-829) OT (MIRROR) + ASRM + S1.2
 IAS13A1AEDC 161F-829) B/L OT + ASRM+PLUKES S1.2
 IAS13A1AEDC 161F-829) B/L OT + ASRM+PLUKES S1.2

MACH
 .900
 .900
 .900

1EABOX
 TOP
 TOP
 TOP

1B-ELV
 10.000
 10.000
 10.000

0B-ELV
 5.000
 9.000
 5.000

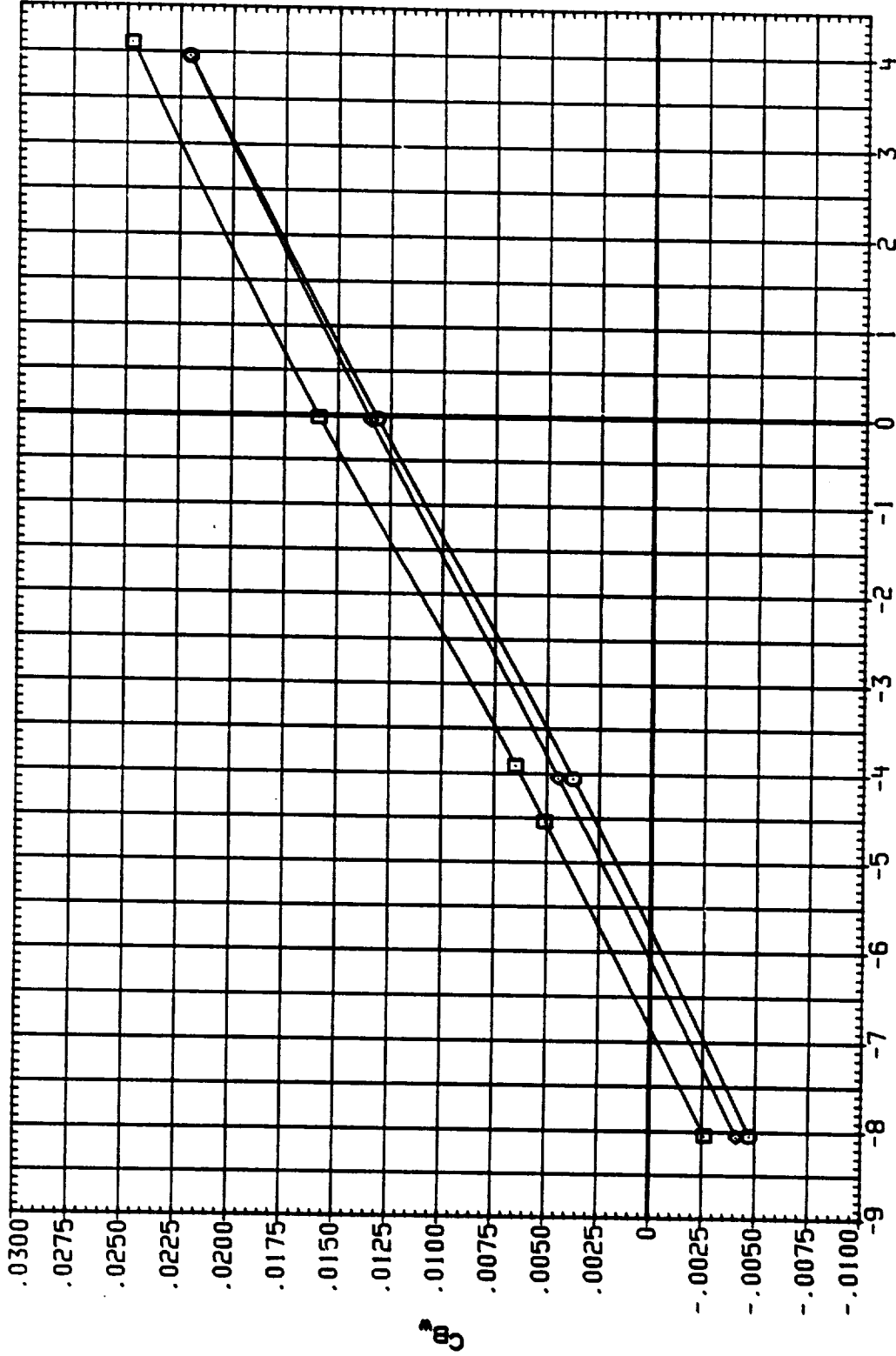


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
 WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0003
SC0044
SC0061

○
□
◇

CONFIGURATION

IA613A(AEDC 161F-829) OT (MIRROR) + ASRH + S1.2
IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2
IA613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2

MACH

.900
.900
.900

IEABOX

TOP
TOP
TOP

IB-ELV

10.000
10.000
10.000

OB-ELV

5.000
5.000
5.000

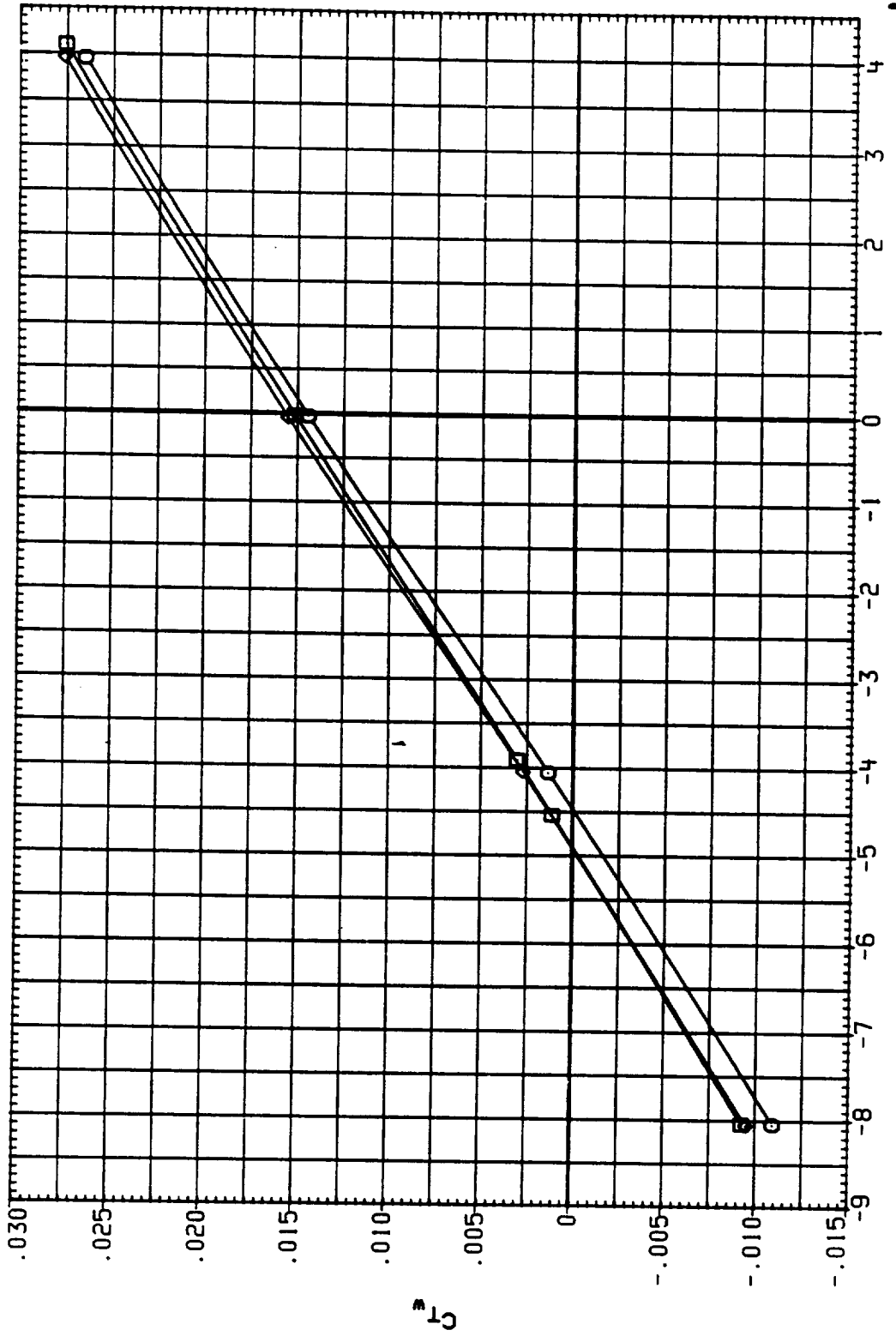


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL
 SC0004
 SC0005

CONFIGURATION

14613A1AEDC 16TF-829) OT (MIRROR) + ASRH + S1.2
 14613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2

MACH
 .950
 .950

IE4BOX
 TOP
 TOP

IB-ELV CB-ELV
 10.000 5.000
 10.000 9.000

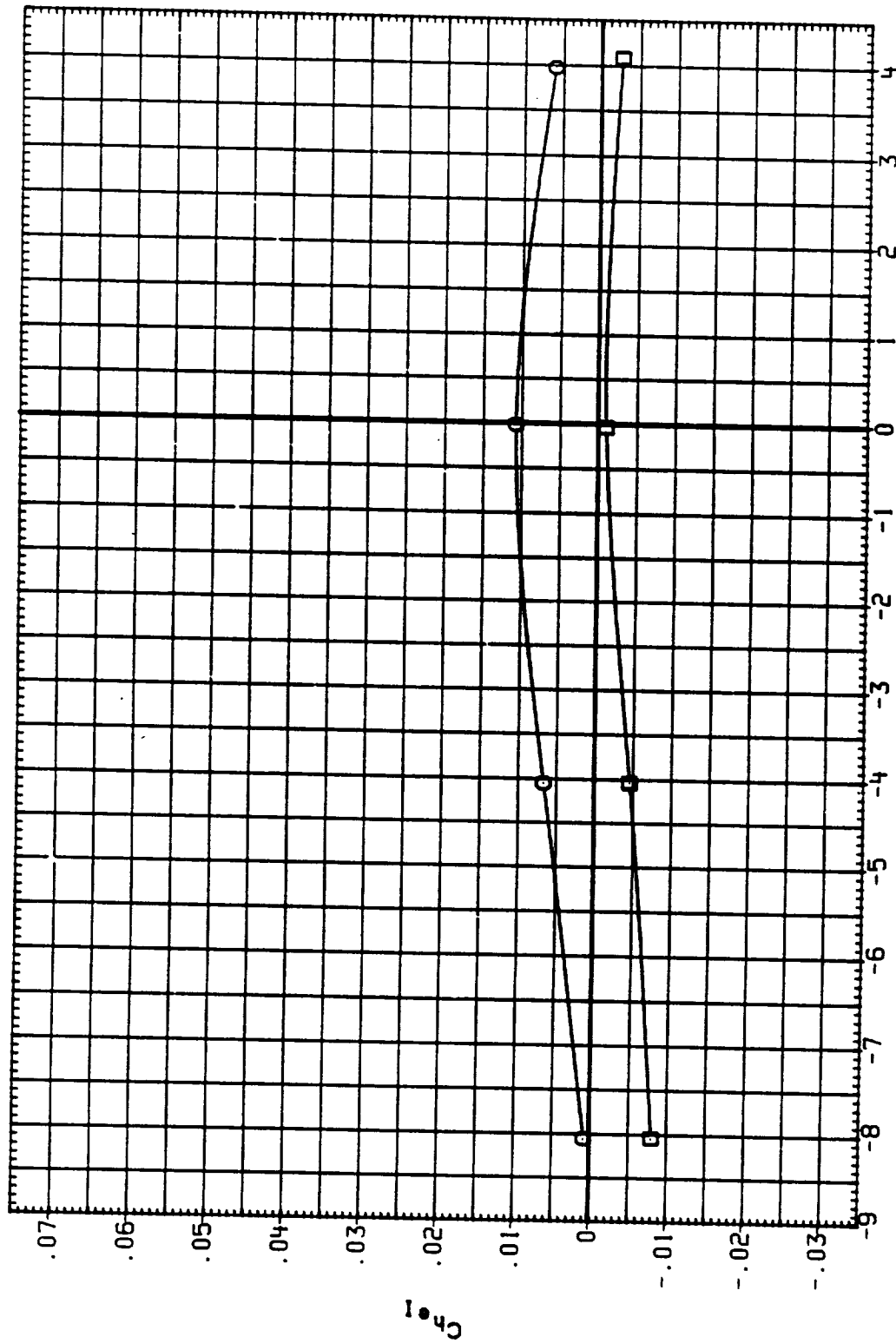


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
 WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC00D4
SC00N5

CONFIGURATION

1A613A1AEDC 16:F-829) OT (MIRROR) + ASRH + S1.2
1A613A1AEDC 16:F-829) B/L OT + ASRH+PLUMES S1.2

MACH .950
.950

IEABOX TOP
TOP

IB-ELV 10.000
10.000

OB-ELV 5.000
9.000

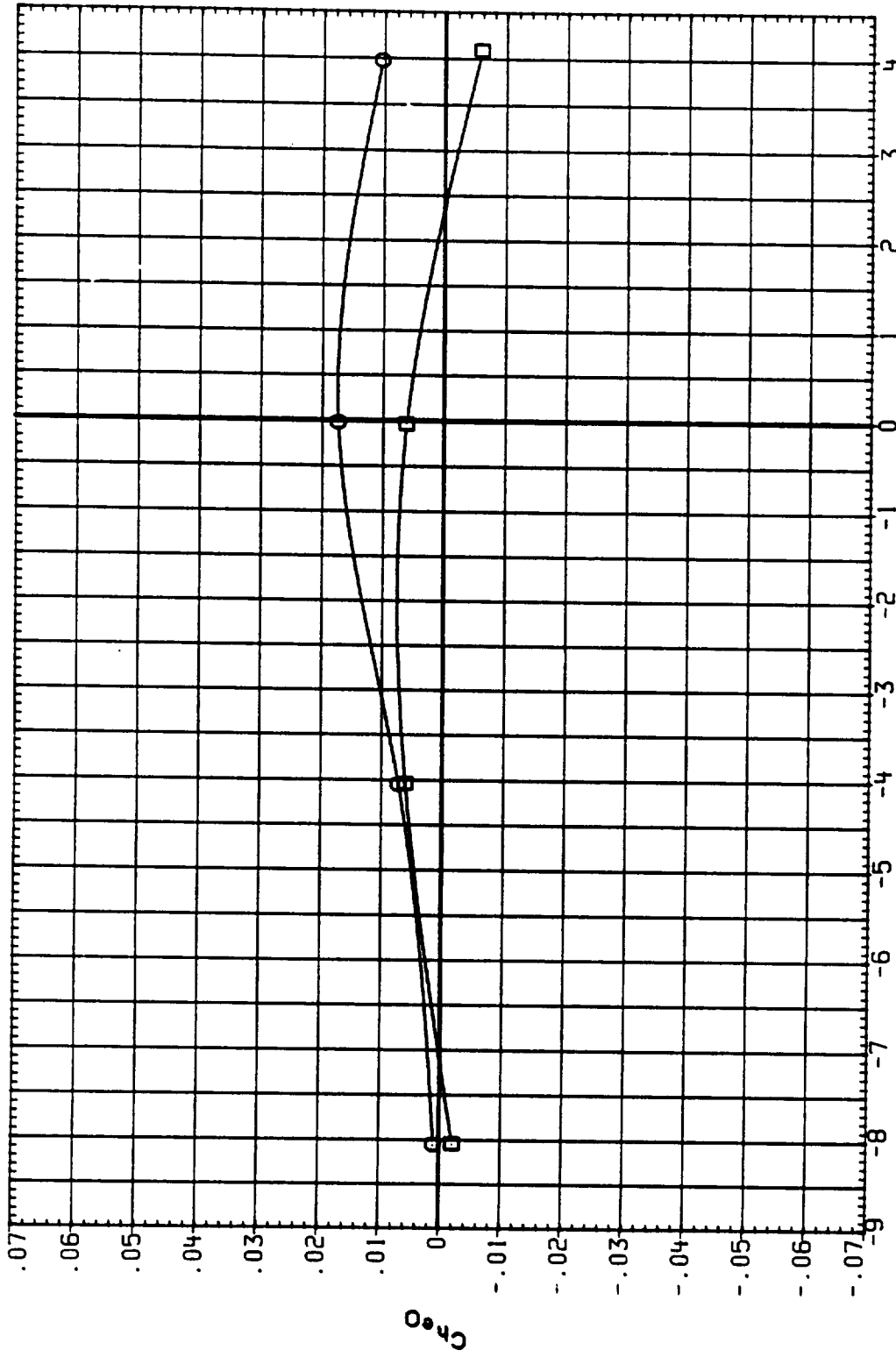


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION ON WING LOADS

(A) BETA = .00

DATA SET SYMBOL
 SC0004
 SC0005

CONFIGURATION

(A613A/AEDC 161F-829) OT (MIRROR) + ASRM + S1.2
 (A613A/AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH
 .950
 .950

IEABOX
 TOP
 TOP

IB-ELV
 10.000
 10.000

OB-ELV
 5.000
 9.000

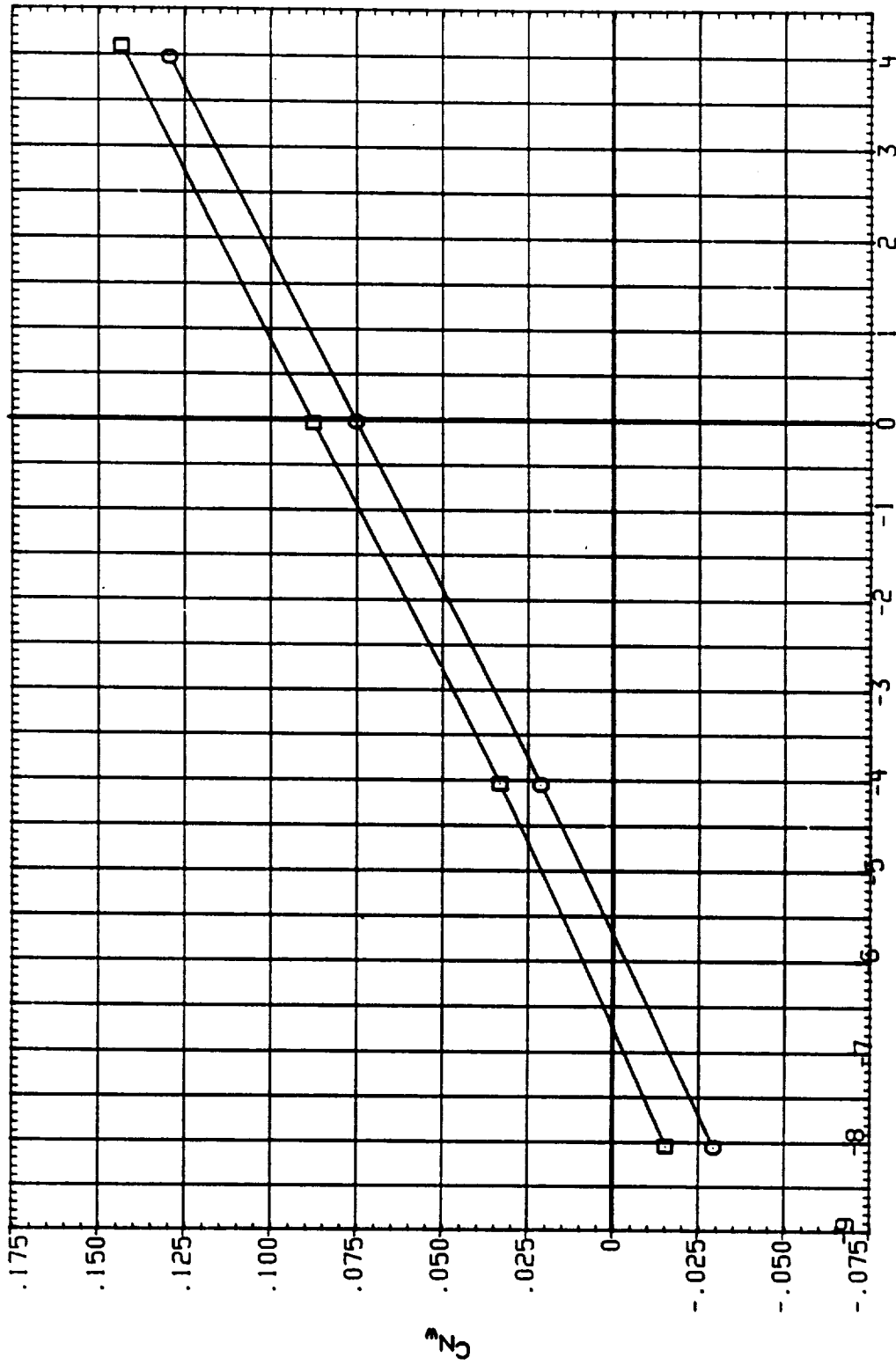


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
 WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0004
SC0005



CONFIGURATION

1A613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.2
1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH

.950
.950

IFABOX

TOP
TOP

IB-ELY

10.000
10.000

OB-ELY

5.000
9.000

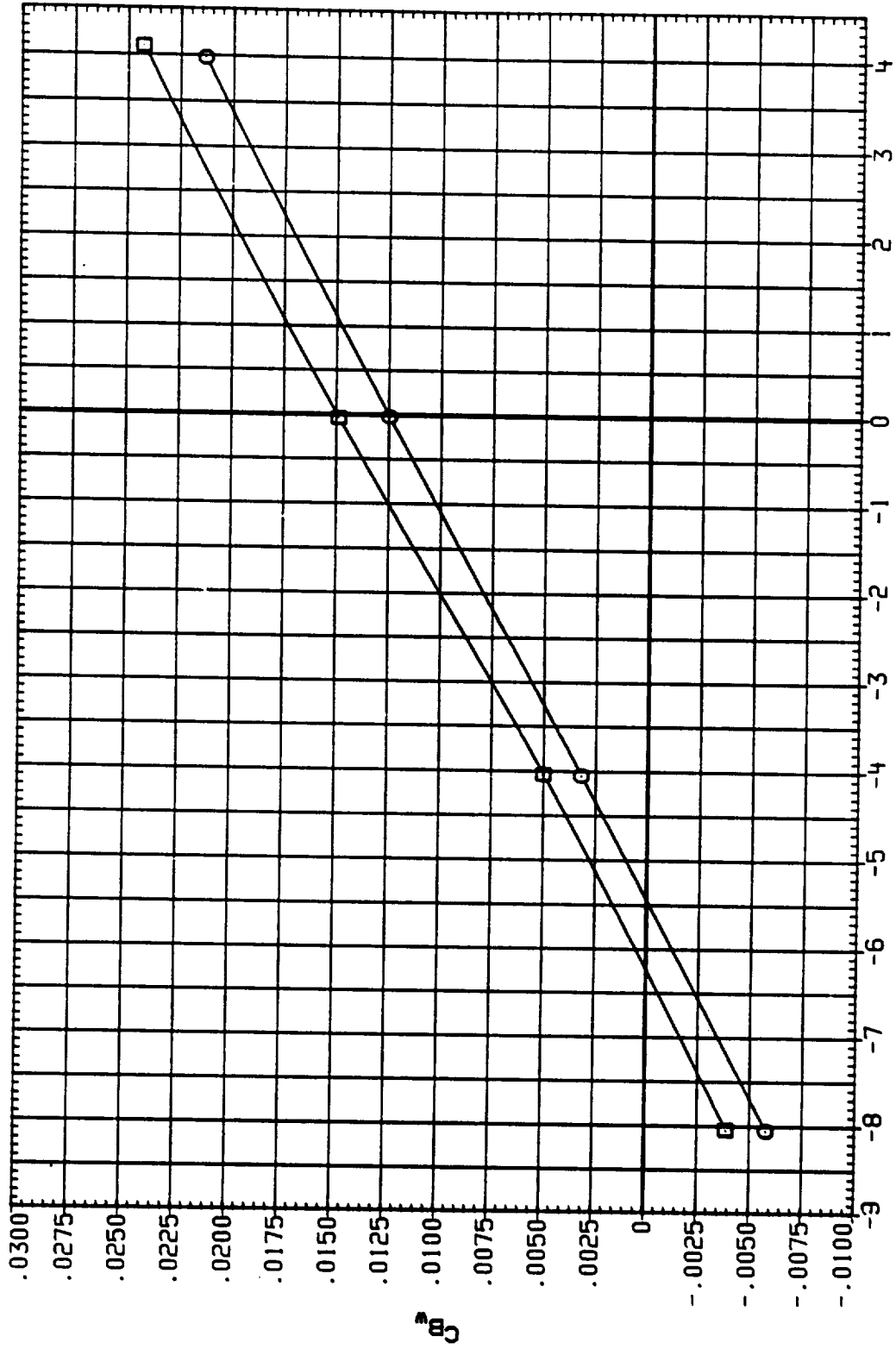


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION

SC0004	□	1A613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.2	MACH	ICABOX	IB-ELV	OB-ELV
SC0005	○	1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	.950	TOP	10.000	5.000
			.950	TOP	10.000	9.000

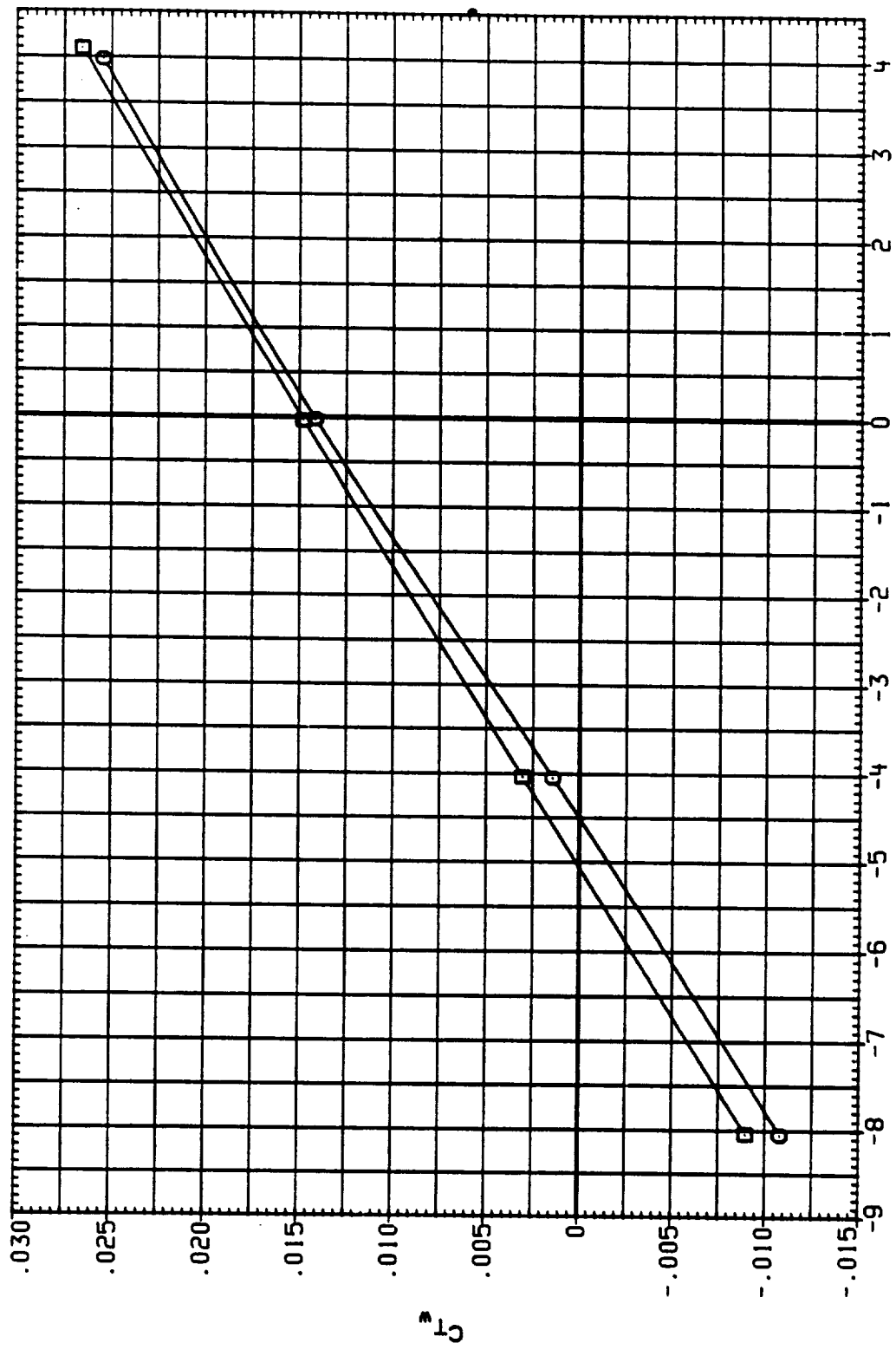


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION ON WING LOADS

(A) BETA = .00

DATA SET SYMBOL
 SC00D5
 SC0046

CONFIGURATION

1A613A(AEDC 161F-829) OT (MIRROR) + ASRH + S1.2
 1A613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2

MACH

1.050
 1.050

ICABOX

TOP
 TOP

IB-ELV

10.000
 10.000

OB-ELV

5.000
 9.000

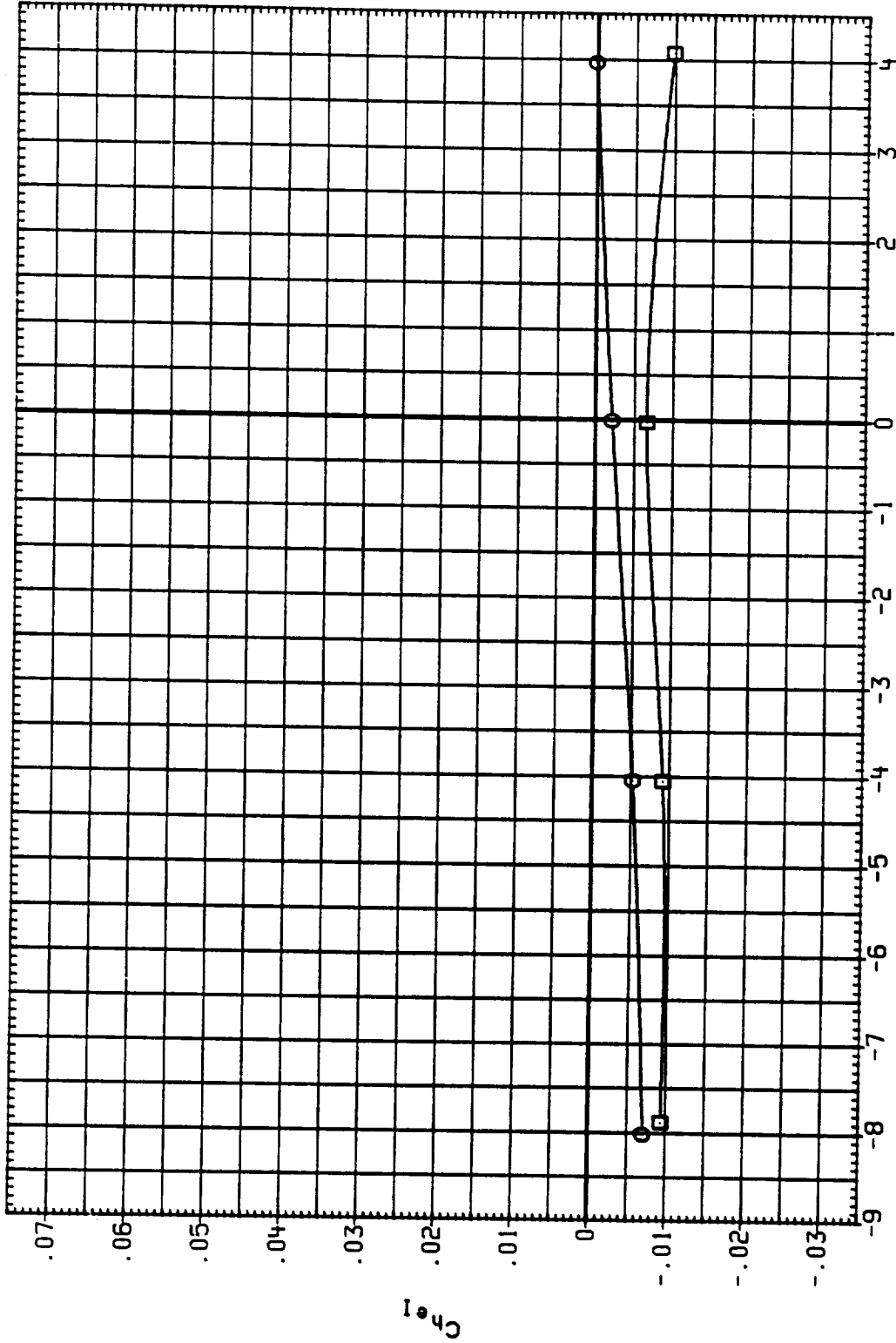


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0005
SC0006

CONFIGURATION

1A613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.2
1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH

1.050
1.050

IE-ABOX

TOP
TOP

IB-ELV

10.000
10.000

OB-ELV

5.000
9.000

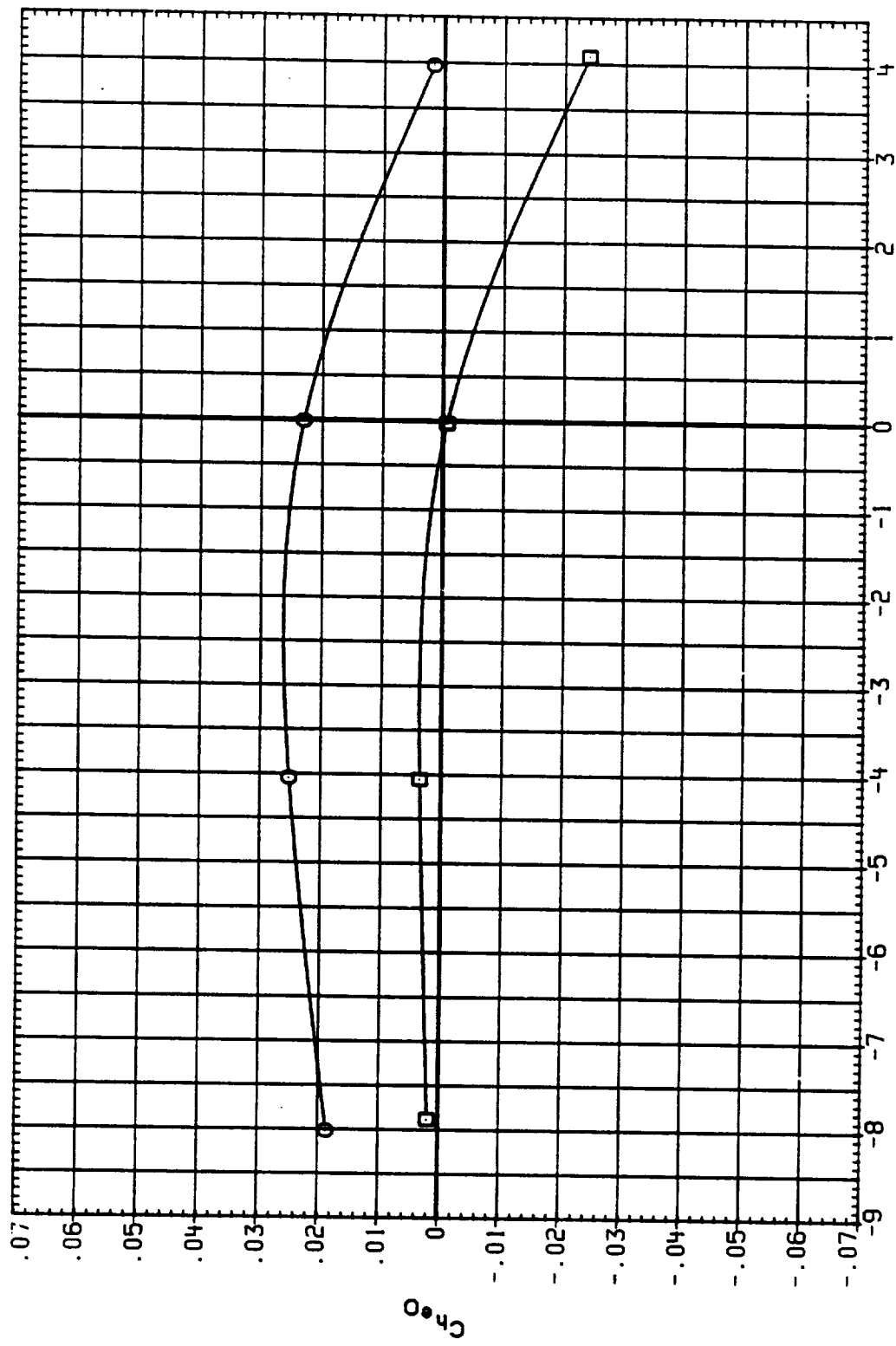


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0005
SC0046

1:5131(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2
1:5131(AEDC 16:F-829) B/L OT + ASRM+PLUMES S1.2

CONF IGURATION

MACH
1.050
1.050

ICABOX
TOP
TOP

18-ELV
10.000
10.000

08-ELV
5.000
9.000

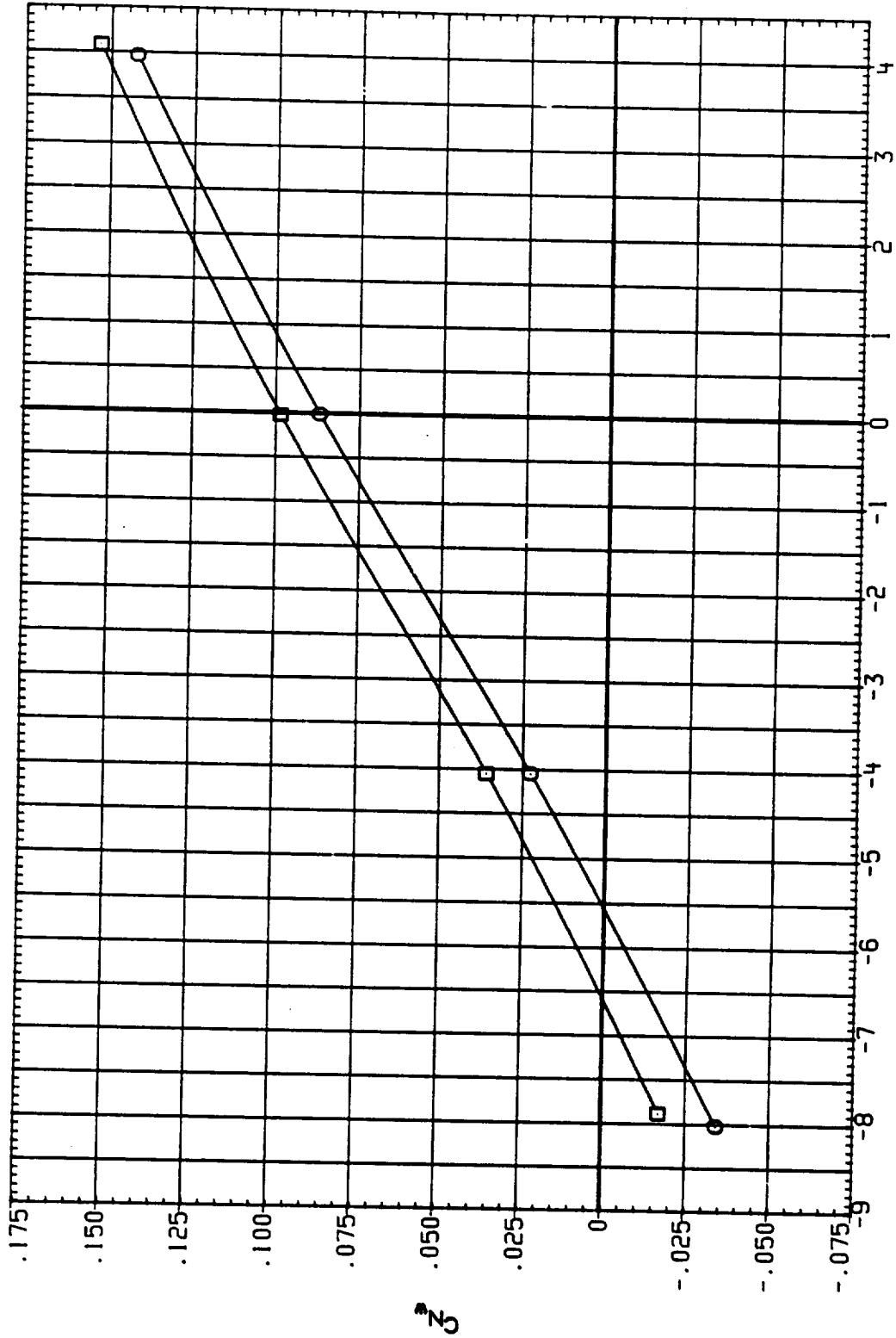


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL
 SC0005 □
 SC0006 □

CONFIGURATION

1:513A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.2
 1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH 1.050
 1.050

1E/BOX TOP
 TOP

1B-ELV 10.000
 10.000

0B-ELV 5.000
 9.000

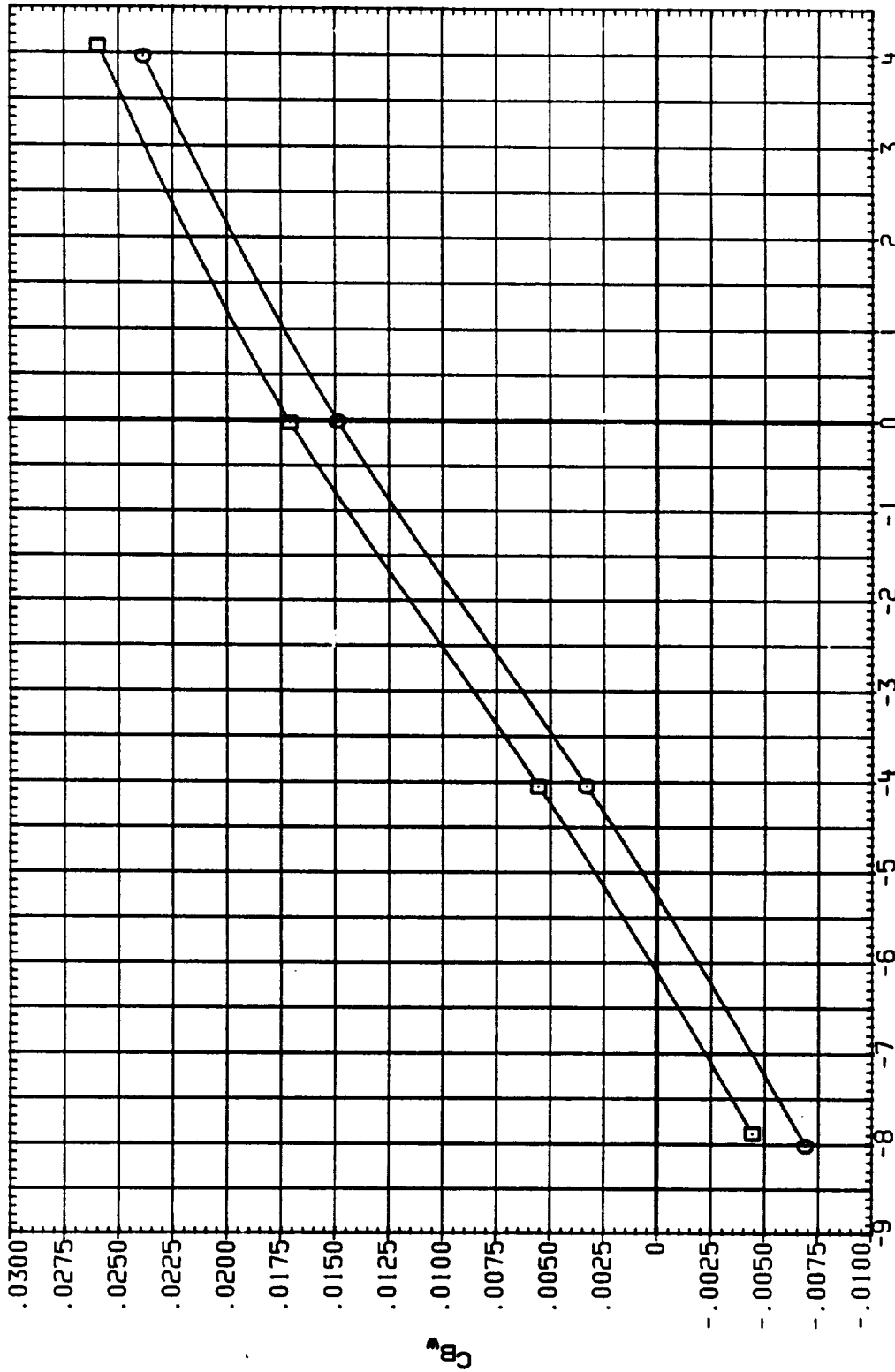


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
 WING LOADS

(A) BETA = .00

DATA SET SYMBOL
SC0005
SC0006

CONFIGURATION

1A613A1AEDC 16:F-829) OT (MIRROR) + ASRM + S1.2
1A613A1AEDC 16:F-829) B/L OT + ASRM+PLUMES S1.2

MACH
1.050
1.050

1EABOX
TOP
TOP

1B-ELV
10.000
10.000

OB-ELV
5.000
9.000

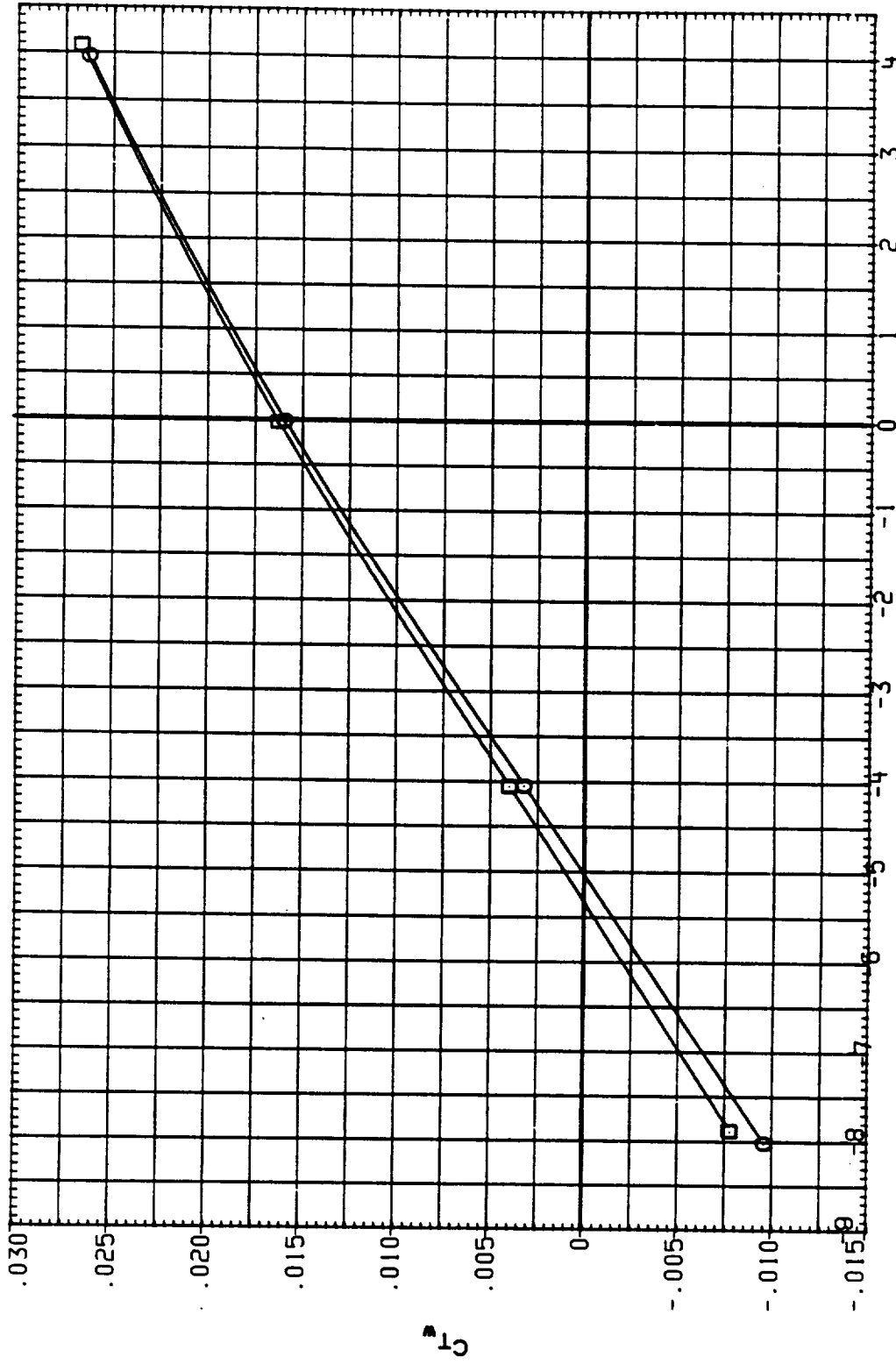


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0006
SC0007
SC0062

CONFIGURATION

IA613A1AEDC 16TF-8291 OT (MIRROR) + ASRM + S1.2
IA613A1AEDC 16TF-8291 B/L OT + ASRM+PLUNES S1.2
IA613A1AEDC 16TF-8291 B/L OT + ASRM+PLUNES S1.2

MACH

1.100
1.100
1.100

IEABOX

TOP
TOP
TOP

IB-ELV

10.000
10.000
10.000

OB-ELV

5.000
9.000
5.000

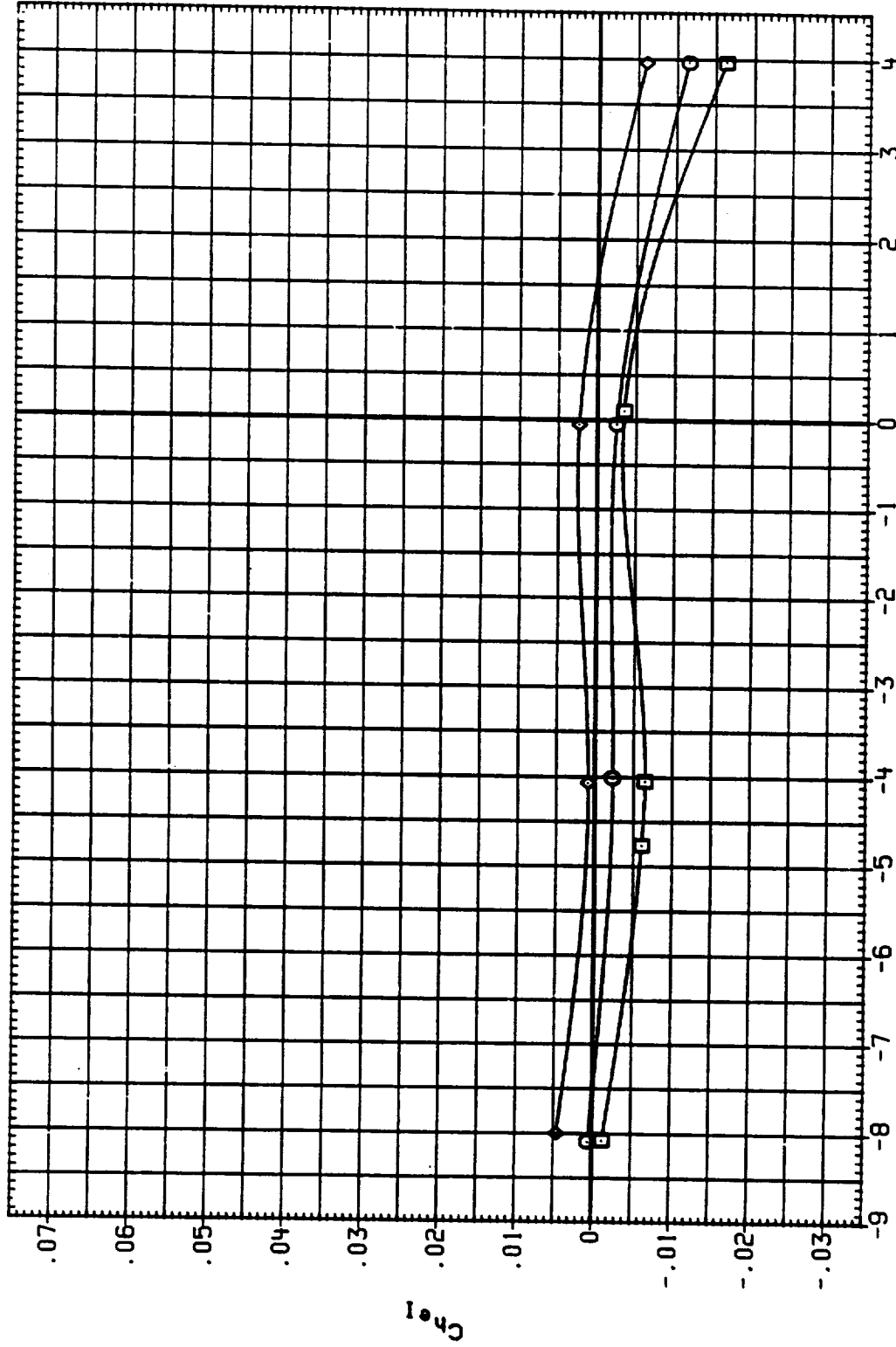


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0006
SC0007
SC0062

○ □ ◇

CONFIGURATION

IAB13A1AEDC 161F-829) OT (MIRROR) + ASRH + S1.2
IAB13A1AEDC 161F-829) B/L OT + ASRH+PLUNES S1.2
IAB13A1AEDC 161F-829) B/L OT + ASRH+PLUNES S1.2

MACH
1.100
1.100
1.100

IEABOX
TOP
TOP
TOP

IB-ELV
10.000
10.000
10.000

OB-ELV
5.000
9.000
5.000

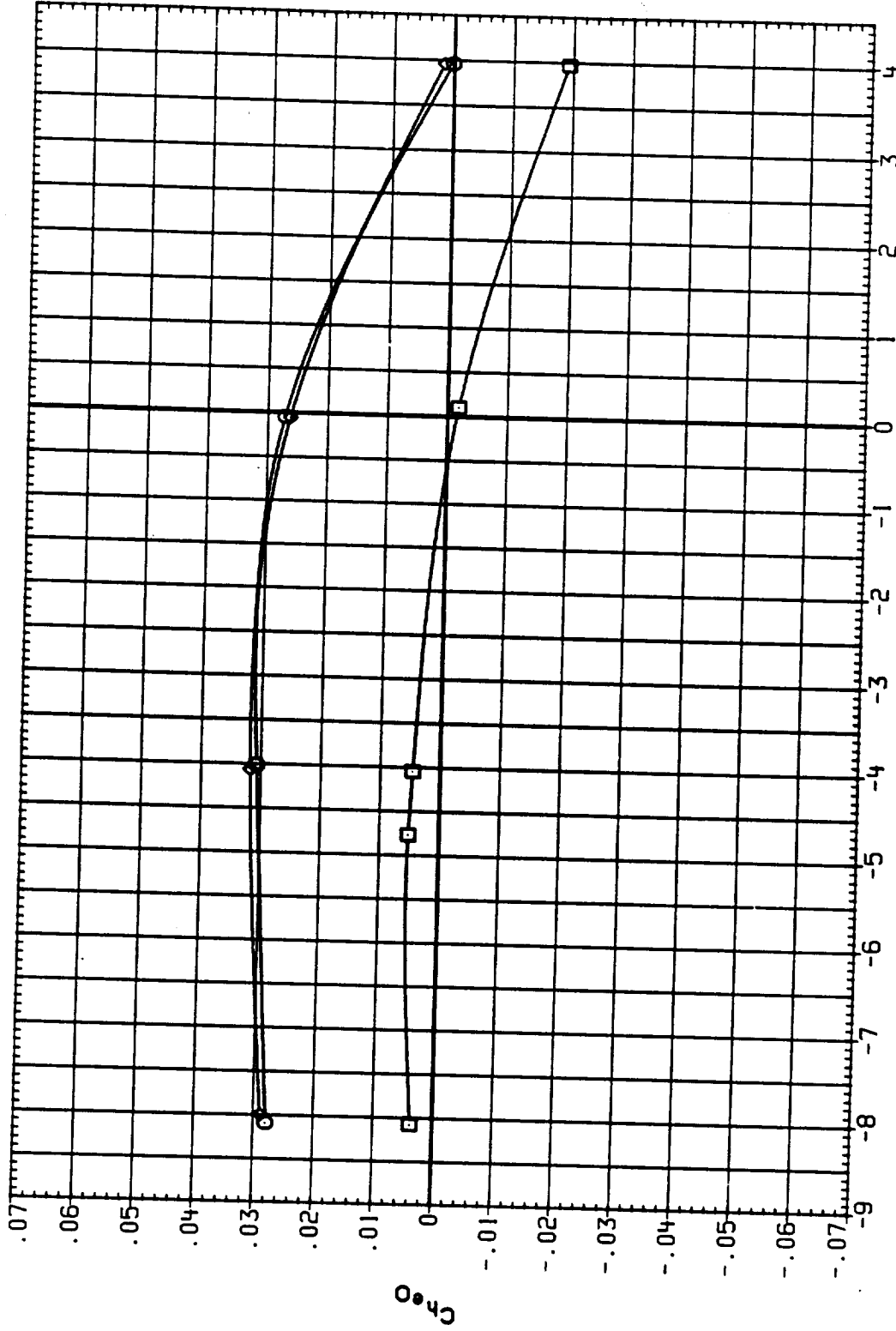


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0006
SC0047
SC0062

CONFIGURATION

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2
IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2
IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

MACH

1.100
1.100
1.100

ICABOX

TOP
TOP
TOP

IB-ELV

10.000
10.000
10.000

OB-ELV

5.000
9.000
5.000

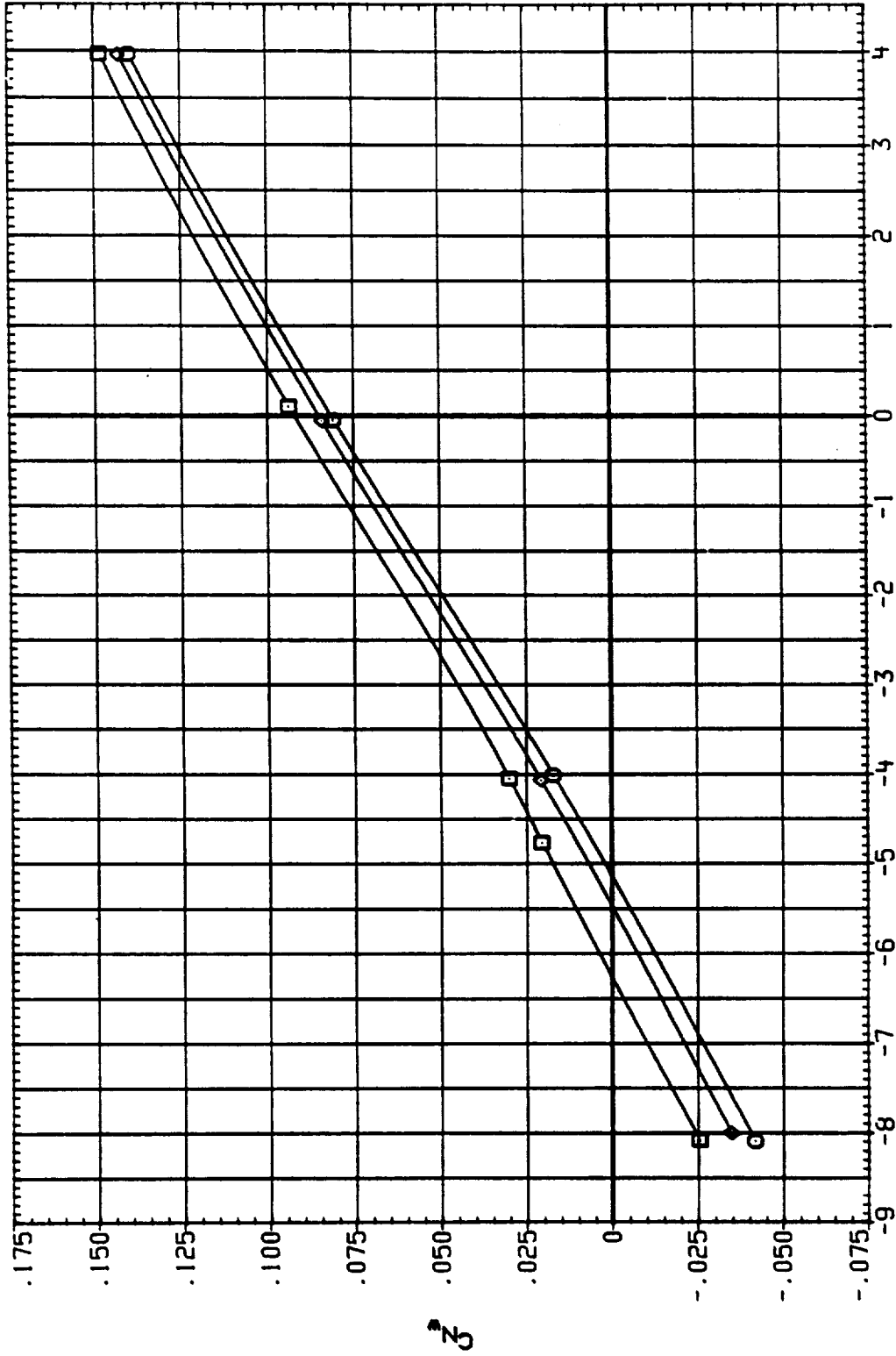


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0006 □
 SC0047 □
 SC0062 ◇

CONFIGURATION

IA6:3A1AEDC 161F-829) OT (MIRROR) + ASRM + S1.2
 IAB:3A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
 IAE:3A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH

1.100
 1.100
 1.100

IE-ABOX

TOP
 TOP
 TOP

IB-ELV

10.000
 10.000
 10.000

OB-ELV

5.000
 9.000
 5.000

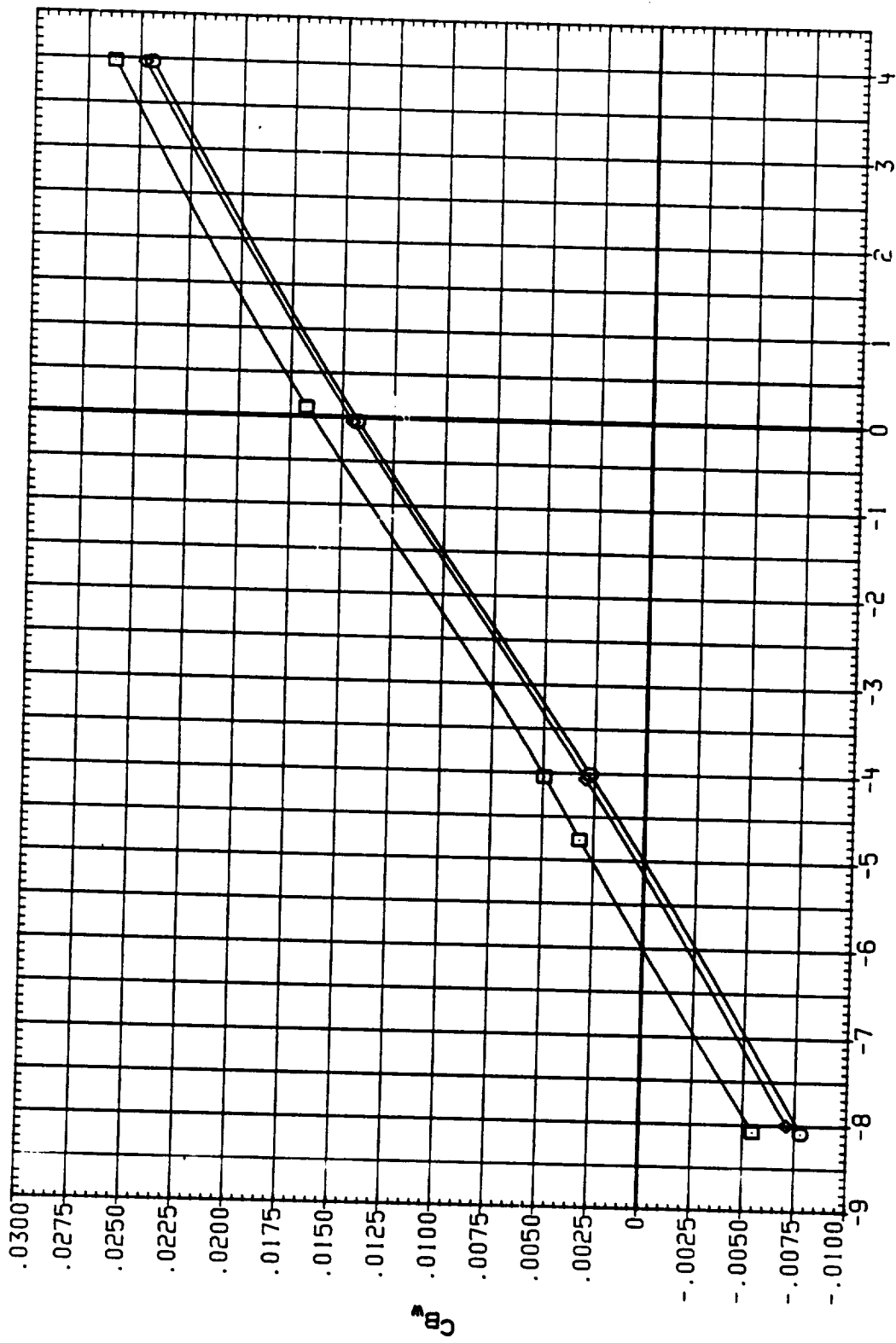


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
 WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION

SC0006	IAE13A1AEDC 161F-8291 OT (MIRROR) + ASRH + S1.2	MACH	IEABOX	IB-ELV	OB-ELV
SC0007	IAE13A1AEDC 161F-8291 B/L OT + ASRH+PLUKES S1.2	1.100	TOP	10.000	5.000
SC0062	IAE13A1AEDC 161F-8291 B/L OT + ASRH+PLUKES S1.2	1.100	TOP	10.000	5.000

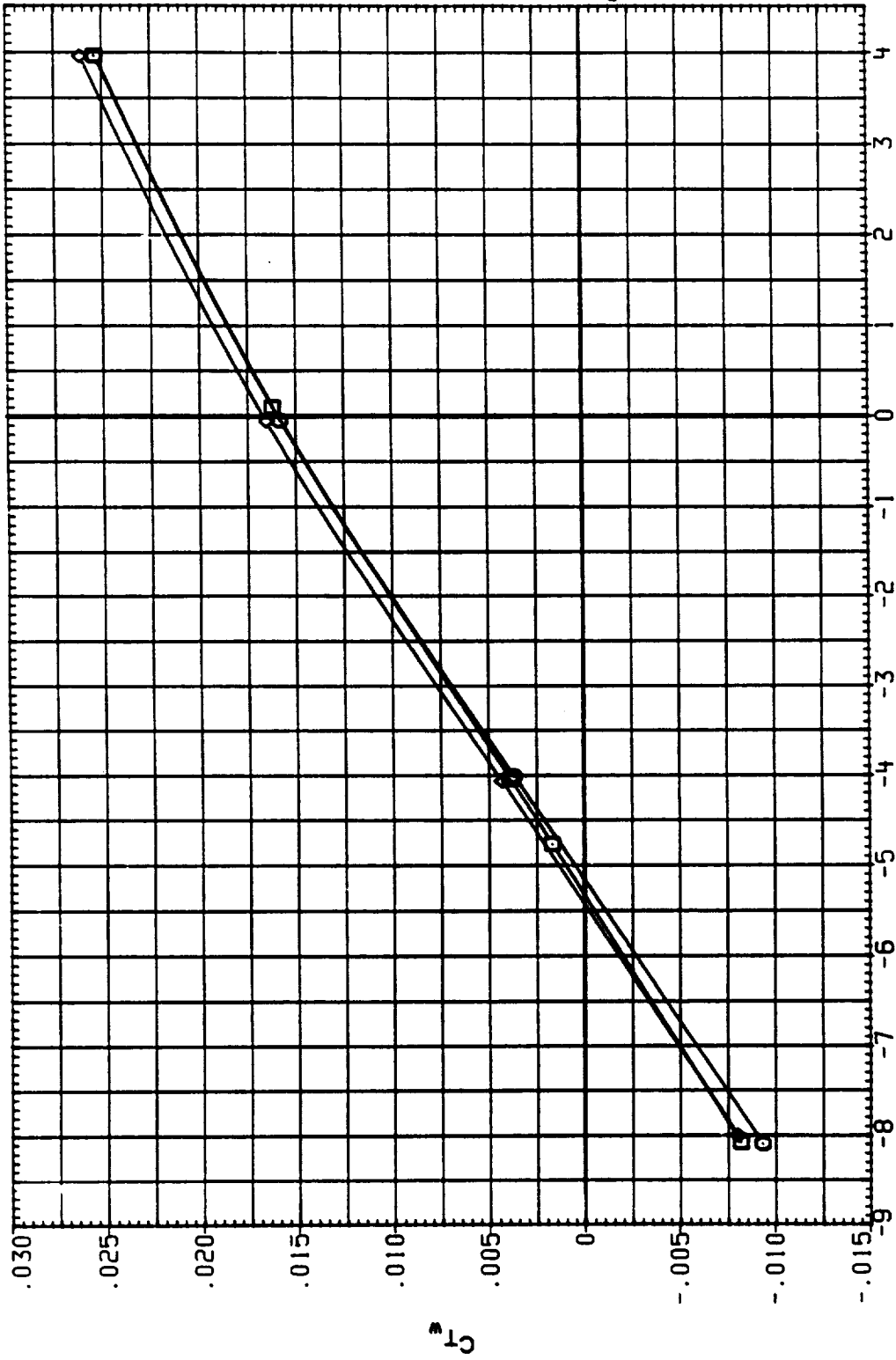


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0007
SC0048
SC0063

CONFIGURATION

IA613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.2
IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH

1.150
1.150
1.150

IEABOX

TOP
TOP
TOP

IB-ELV

10.000
10.000
10.000

OB-ELV

5.000
9.000
5.000

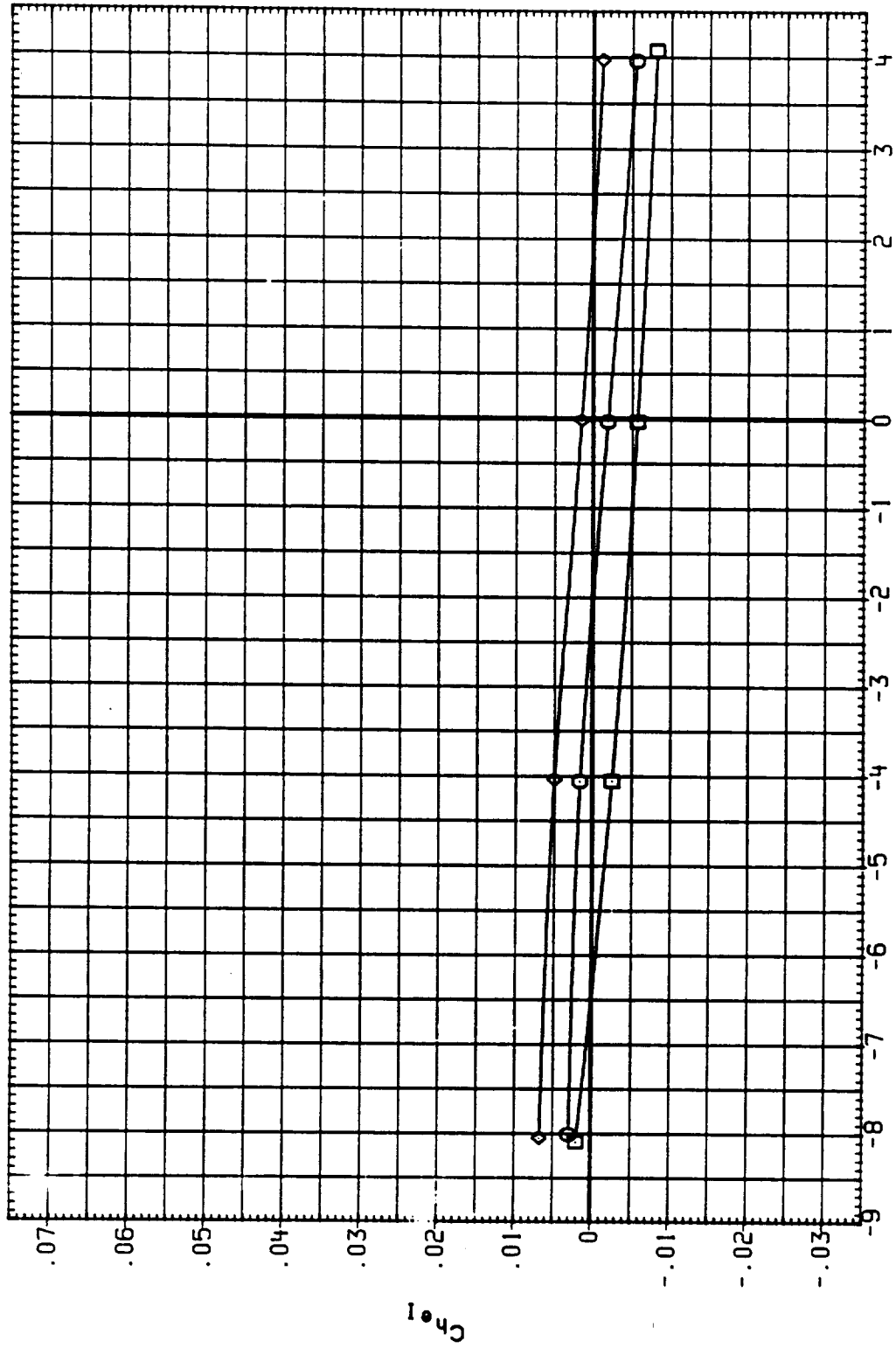


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0007	SC0008	SC0063	CONFIGURATION	MACH	1E-ABOX	1B-ELV	0B-ELV
○	□	◇	1A613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.2	1.150	TOP	10.000	5.000
			1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	5.000
			1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	TOP	10.000	5.000

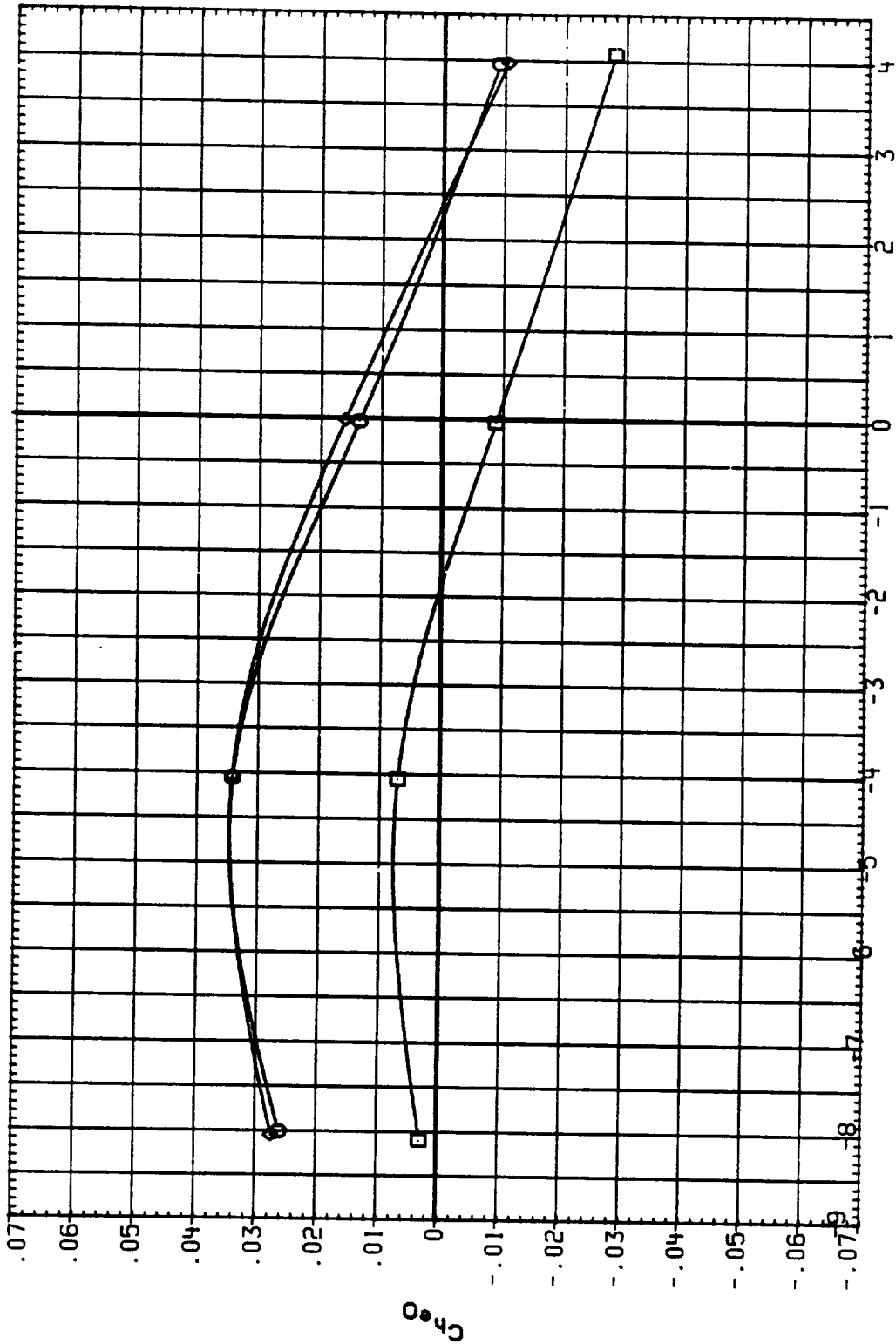


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION ON WING LOADS

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION

SC0007	□	IAG13A1AEDC 161F-829) OT (MIRROR) + ASRM + S1.2	MACH	1B-ELV	OB-ELV
SC0008	○	IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	10.000	5.000
SC0063	◇	IAG13A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.150	10.000	9.000
			TOP	10.000	5.000
			TOP		

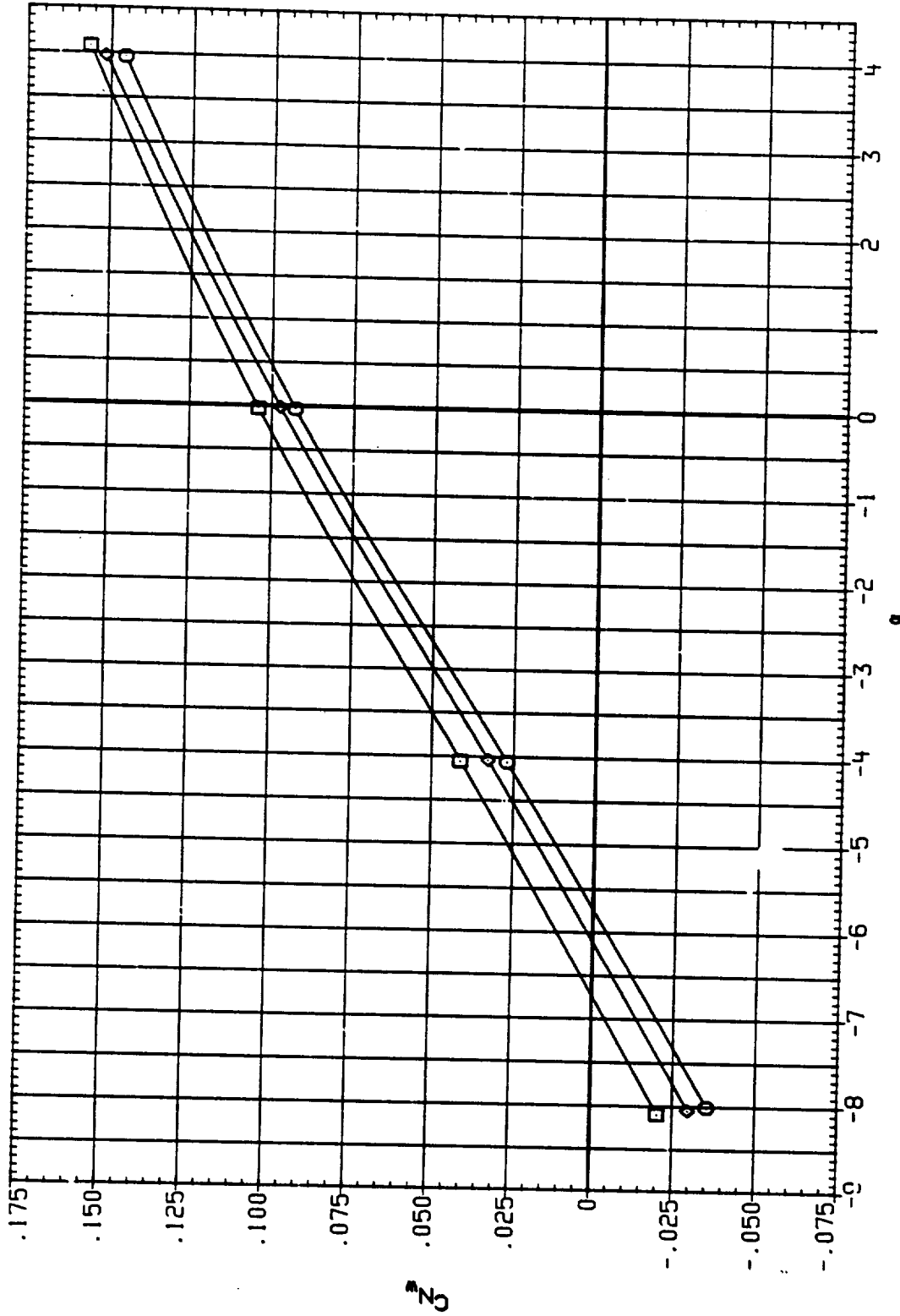


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION

DATA SET SYMBOL	CONFIGURATION	MACH	1EABOX	1B-ELV	OB-ELV
SC0007	1A613A(AEDC 161F-829) OT (MIRROR) + ASRH + S1.2	1.150	TOP	10.000	5.000
SC0048	1A613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.150	TOP	10.000	9.000
SC0063	1A613A(AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2	1.150	TOP	10.000	5.000

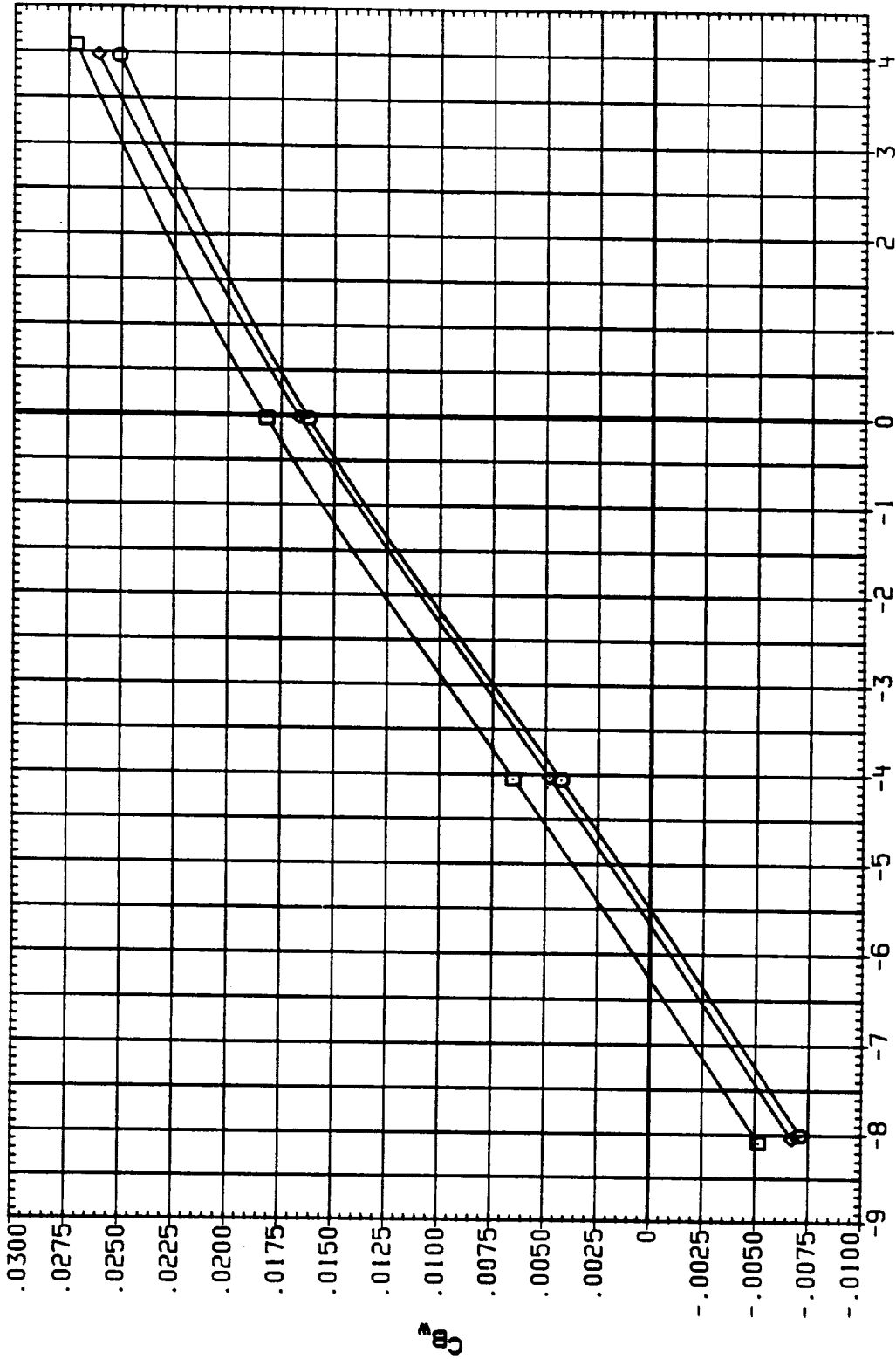


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION ON WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC0007
SC0048
SC0063

CONFIGURATION

1A613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.2
1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2

MACH
1.150
1.150
1.150

IEABOX
TOP
TOP
TOP

IB-ELV
10.000
10.000
10.000

OB-ELV
5.000
9.000
5.000

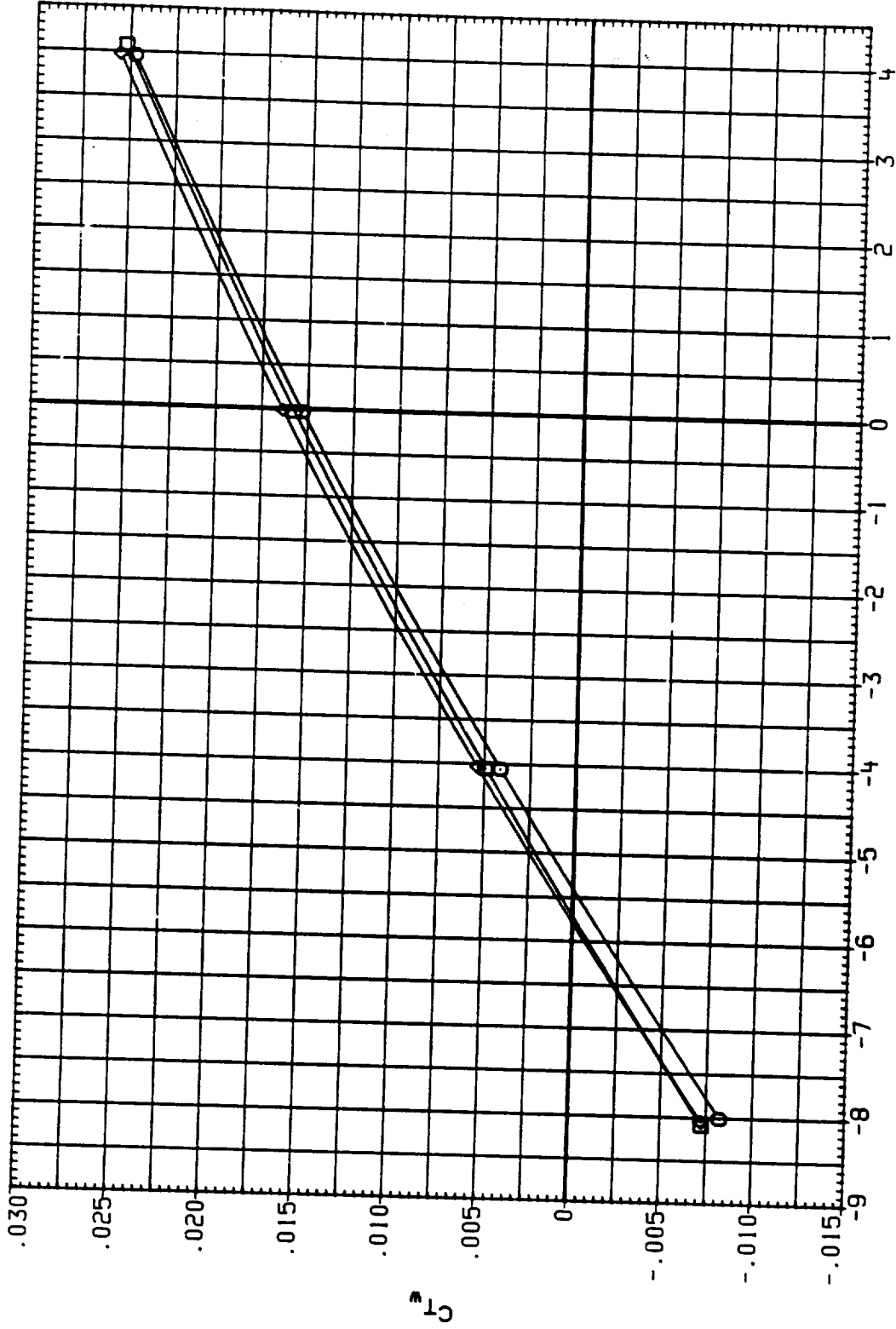


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL	CONFIGURATION	MACH	ICABOX	IB-ELV	OB-ELV
SC0008	1A613A/AEDC 161F-829) OT (MIRROR) + ASRM + S1.2	1.250	TOP	10.000	5.000
SC0009	1A613A/AEDC 161F-829) OT (MIRROR) + ASRM + S1.3	1.250	TOP	10.000	5.000
SC0049	1A613A/AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.250	TOP	10.000	9.000
SC0053	1A613A/AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.250	TOP	10.000	5.000
SC0064	1A613A/AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.250	TOP	10.000	5.000

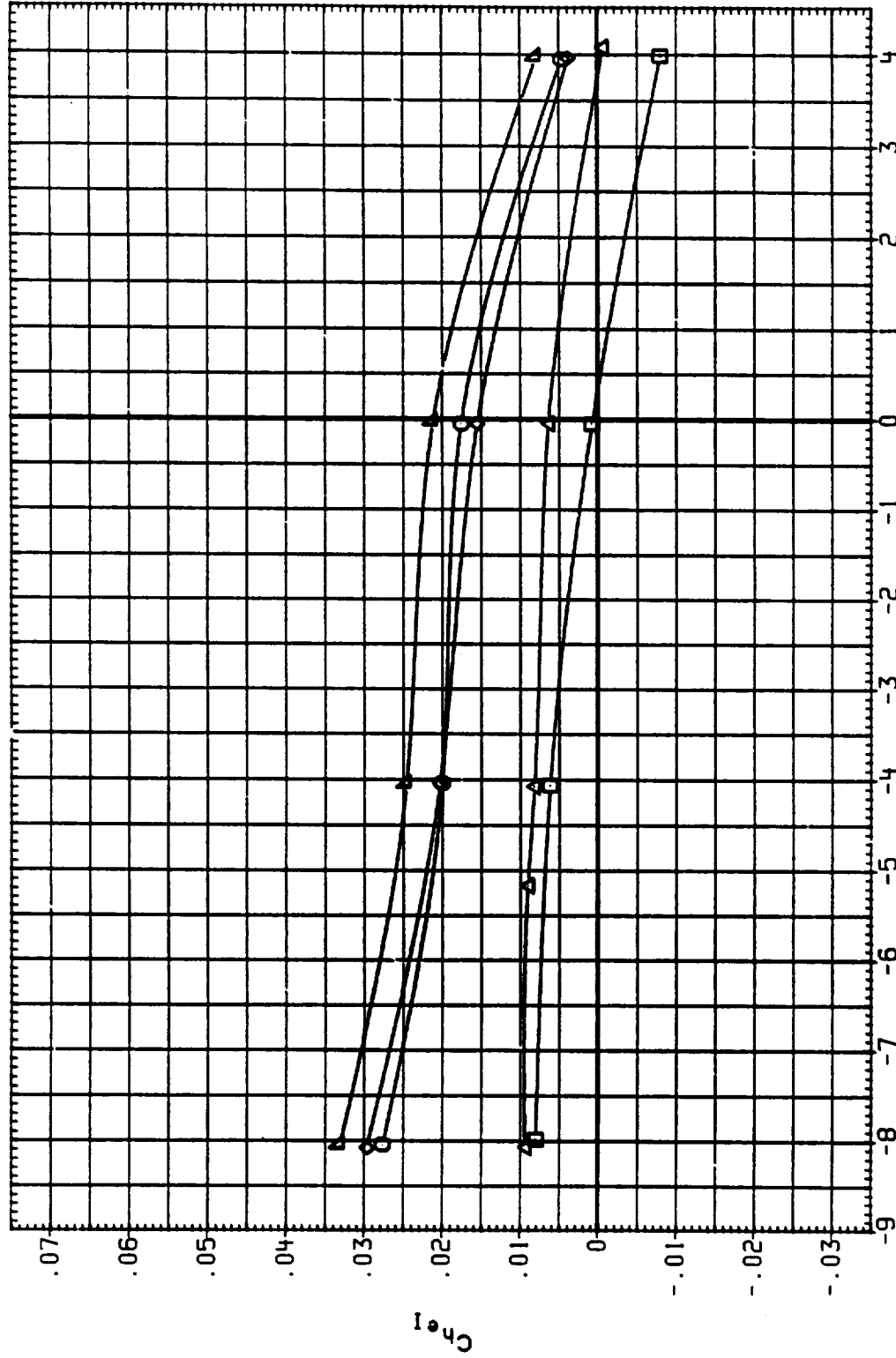


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET SYMBOL

- SC0008
- SC0009
- SC0049
- SC0053
- SC0064

CONFIGURATION

- IA613A1AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2
- IA613A1AEDC 16TF-829) OT (MIRROR) + ASRM + S1.3
- IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2
- IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3
- IA613A1AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

MACH

- 1.250
- 1.250
- 1.250
- 1.250
- 1.250

ICABOX

- TOP
- TOP
- TOP
- TOP
- TOP

IB-ELV

- 10.000
- 10.000
- 10.000
- 10.000
- 10.000

OB-ELV

- 5.000
- 5.000
- 9.000
- 5.000
- 5.000

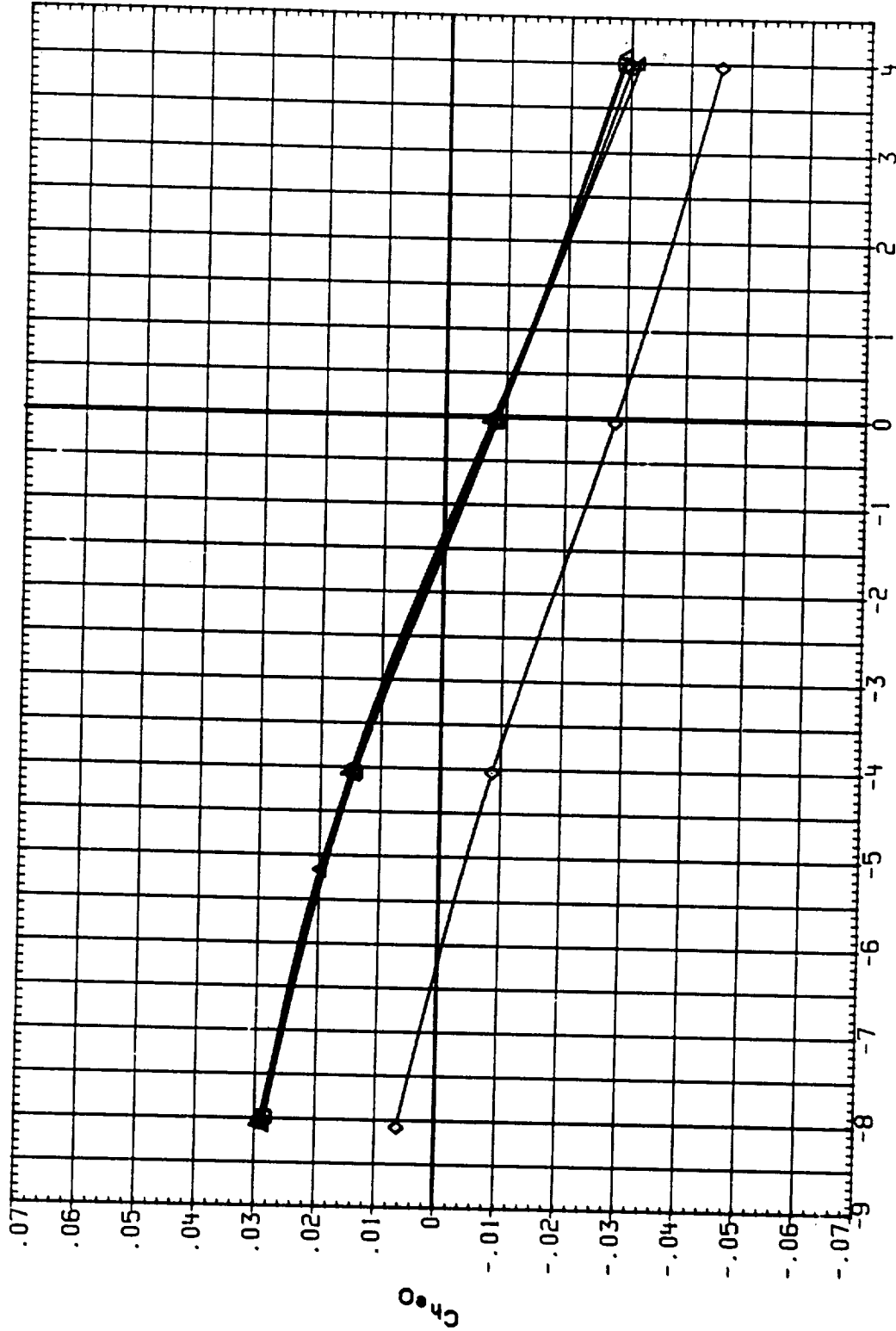


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL

- SC0008
- SC0009
- SC0009
- SC0009
- SC0009

CONFIGURATION

- IAG13A1AEDC 161F-829) OT (MIRROR) + ASRH + S1.2
- IAG13A1AEDC 161F-829) OT (MIRROR) + ASRH + S1.3
- IAG13A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.2
- IAG13A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3

- MACH 1.250
- IEABOX TOP
- IB-ELV 10.000
- OB-ELV 5.000

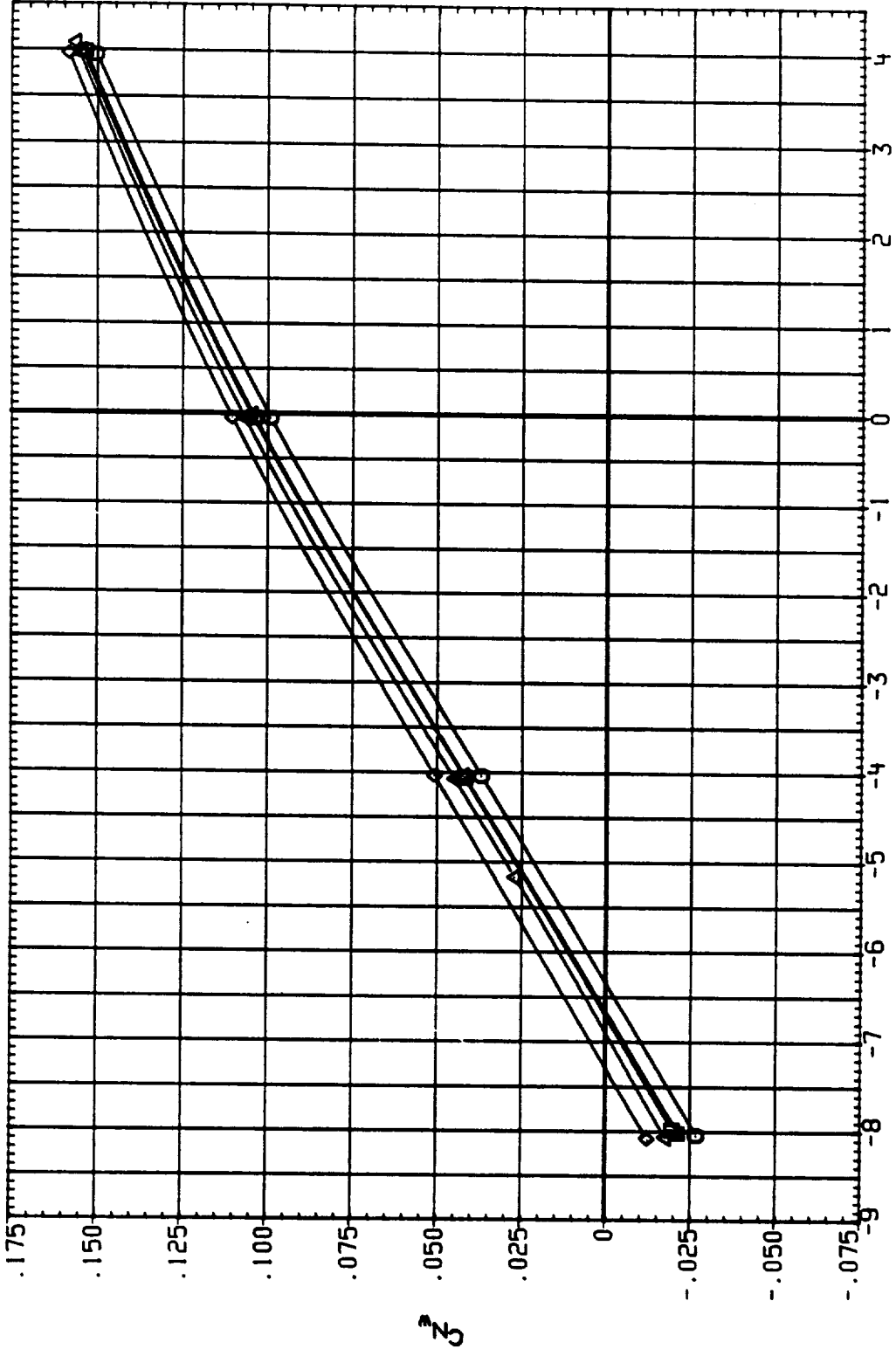


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL

- SC0008
- SC0009
- SC0049
- SC0053
- SC0064

CONFIGURATION

- 1A613A1AEDC 161F-829) OT (MIRROR) * ASRM * S1.2
- 1A613A1AEDC 161F-829) OT (MIRROR) * ASRM * S1.3
- 1A613A1AEDC 161F-829) B/L OT * ASRM+PLUMES S1.2
- 1A613A1AEDC 161F-829) B/L OT * ASRM+PLUMES S1.3
- 1A613A1AEDC 161F-829) B/L OT * ASRM+PLUMES S1.2

- MACH
- 1.250
- 1.250
- 1.250
- 1.250

- IEA80X
- TOP
- TOP
- TOP
- TOP

- IB-ELY
- 10.000
- 10.000
- 10.000
- 10.000

- CB-ELY
- 5.000
- 5.000
- 5.000
- 5.000

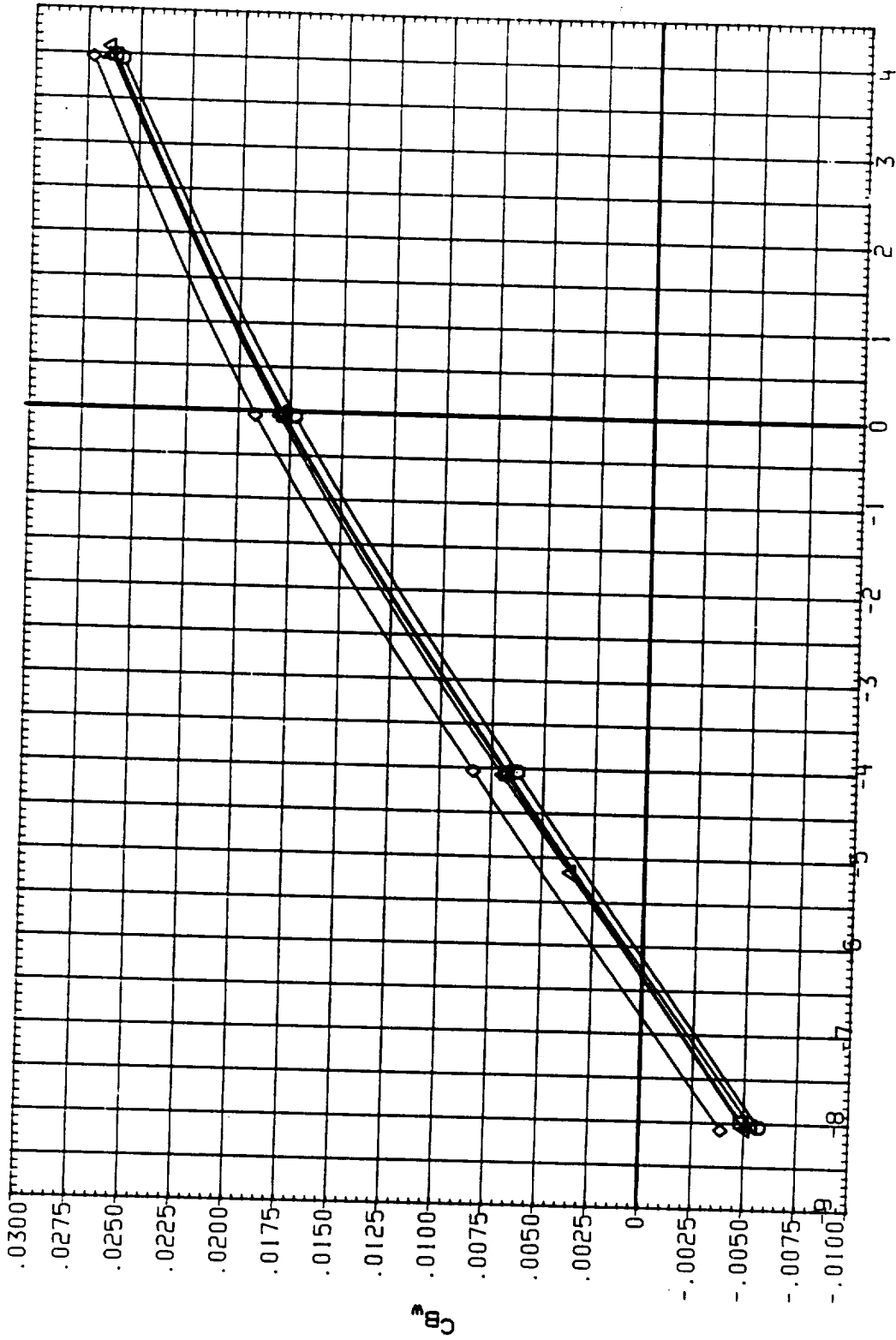


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION ON WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0058	□	IA613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.2	1.250	TOP	10.000	5.000
SC0059	◇	IA613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.3	1.250	TOP	10.000	5.000
SC0049	◇	IA6137(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.250	TOP	10.000	9.000
SC0053	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3	1.250	TOP	10.000	5.000
SC0064	△	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2	1.250	TOP	10.000	5.000

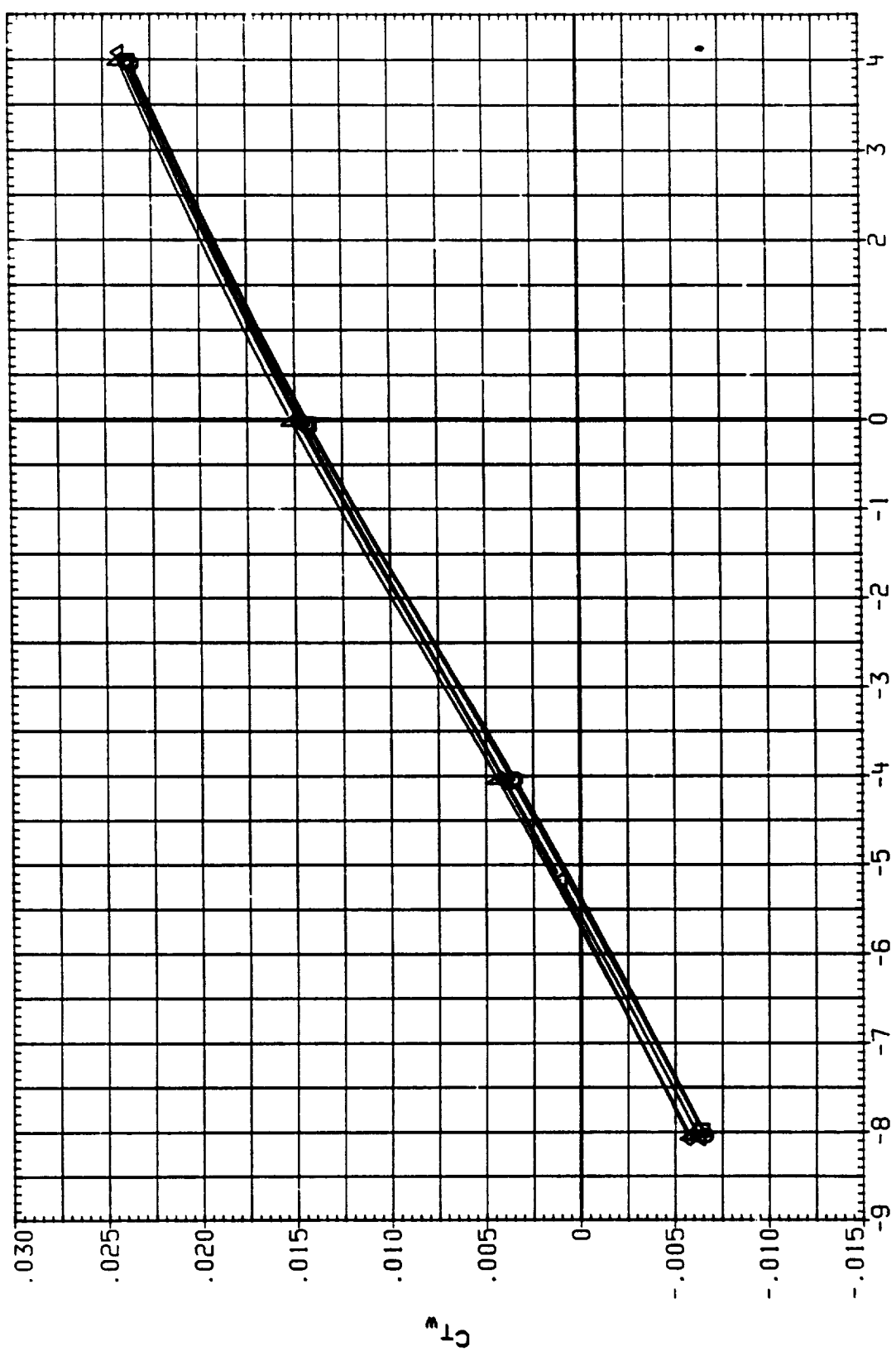


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS
 (A) BETA = .00

DATA SET SYMBOL CONFIGURATION

SC00E0	IA613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.3	MACH	1.300	1EABOX	1B-ELV	OB-ELV
SC0050	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2		1.300	TOP	10.000	5.000
SC0054	IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3		1.300	TOP	10.000	9.000

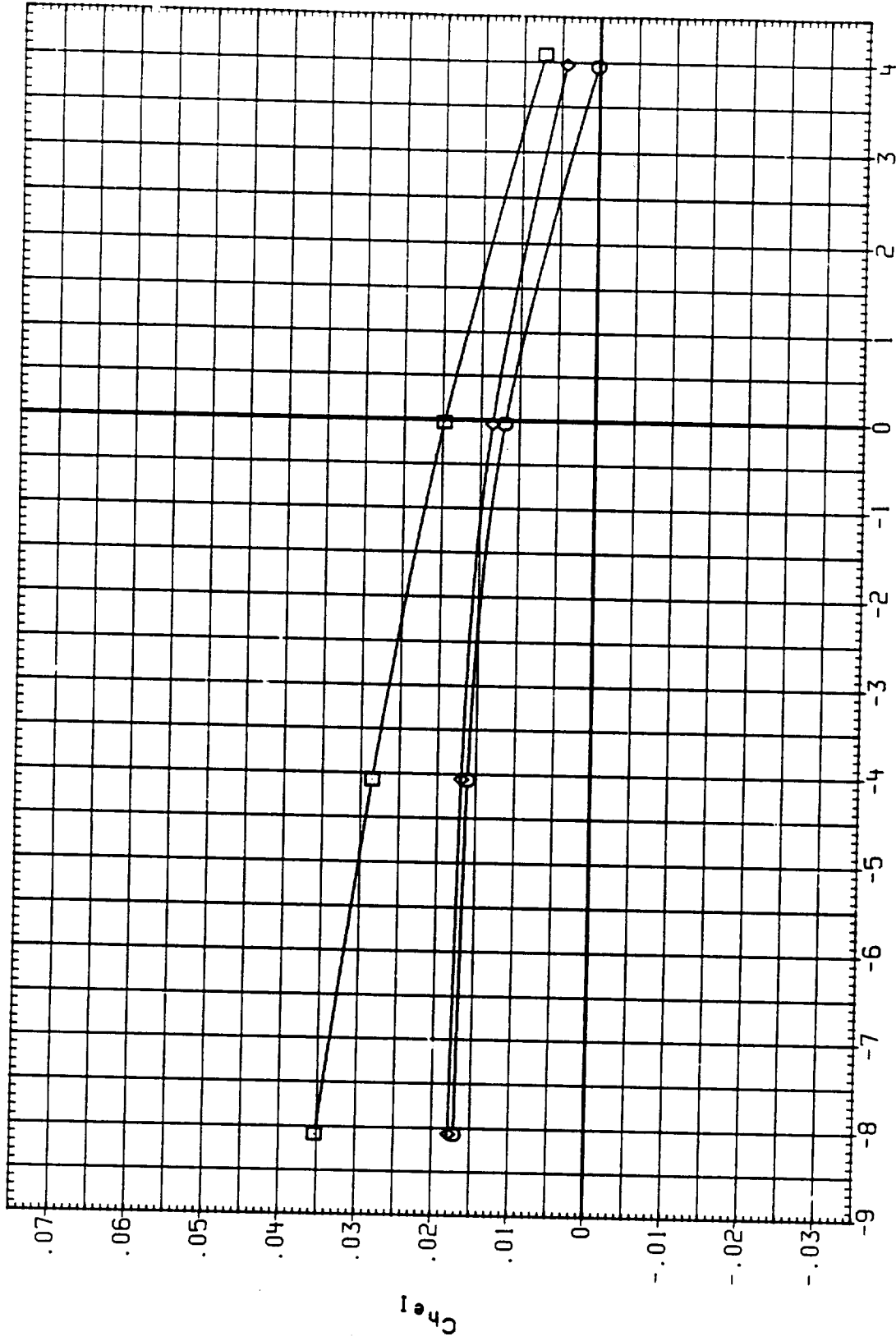


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC00E0
SC0050
SC0054

CONFIGURATION

IA613A/AEDC 16TF-829) OT (MIRROR) + ASRM + SI.3
IA613A/AEDC 16TF-829) B/L OT + ASRM+PLUMES SI.2
IA613A/AEDC 16TF-829) B/L OT + ASRM+PLUMES SI.3

MACH

1.300
1.300
1.300

IE-BOX

TOP
TOP
TOP

IB-ELV

10.000
10.000
10.000

OB-ELV

5.000
5.000
5.000

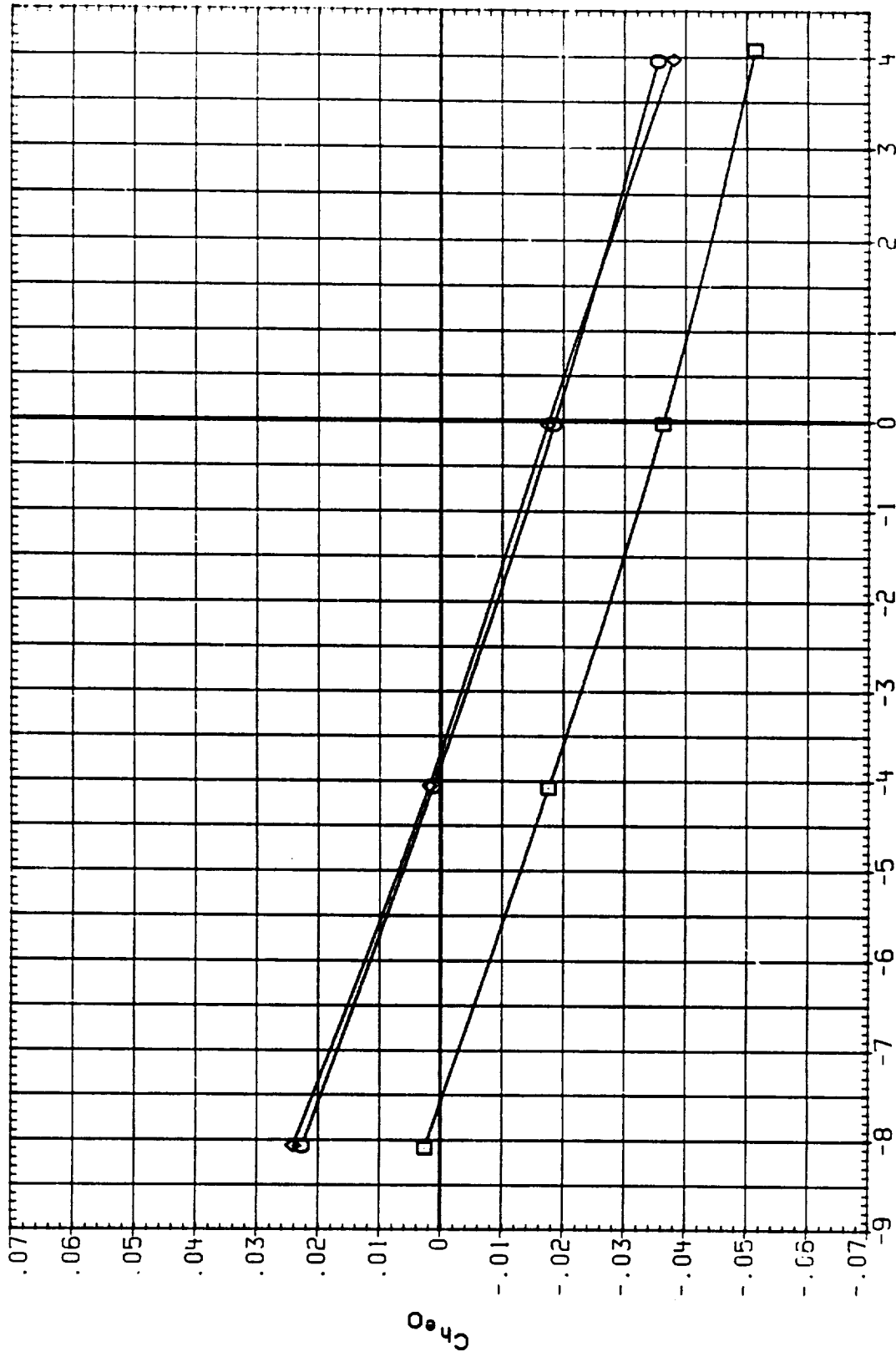


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET NUMBER
 SC0050
 SC0050
 SC0054

CONFIGURATION

14513A1AEDC 161F-829) OT (MIRROR) + ASRM .51.3
 14513A1AEDC 161F-829) B/L OT + ASRM+PLUMES 51.2
 14513A1AEDC 161F-829) B/L OT + ASRM+PLUMES 51.3

MACH
 1.300
 1.300
 1.300

FEARBOX
 TOP
 TOP
 TOP

13-ELY
 10.000
 10.000
 10.000

18-ELY
 5.000
 9.000
 5.000

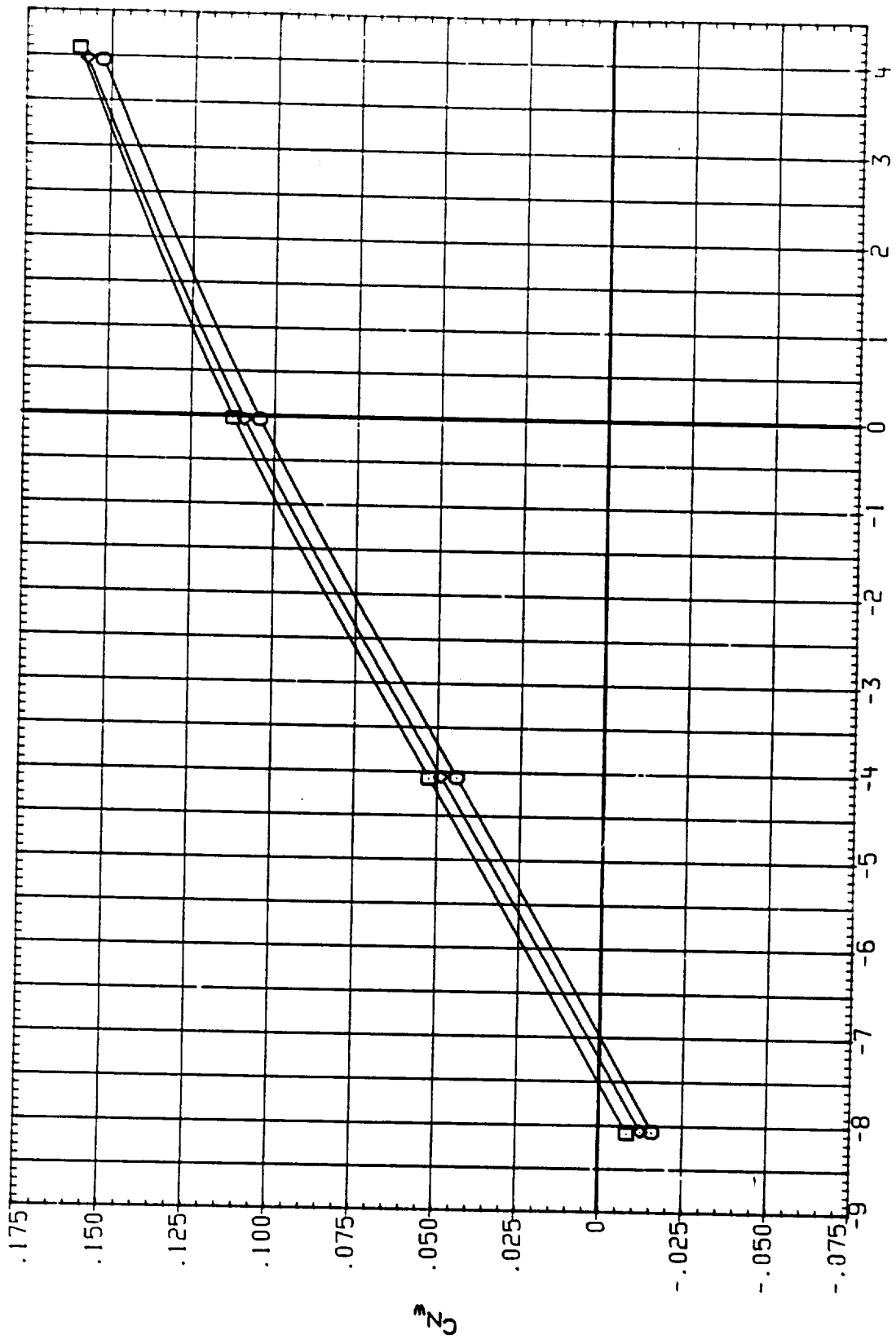


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET NUMBER: 500054
 CONFIGURATION: 145134/AEDC 161F-823) CT (MIRROR) * ASRM * S1.3
 145134/AEDC 161F-823) B/L CT * ASRM*PLUMES S1.2
 145134/AEDC 161F-823) B/L CT * ASRM*PLUMES S1.3
 MACH: 1.300
 REFEK: TOP
 X: 10.000
 Y: 5.000
 Z: 10.000

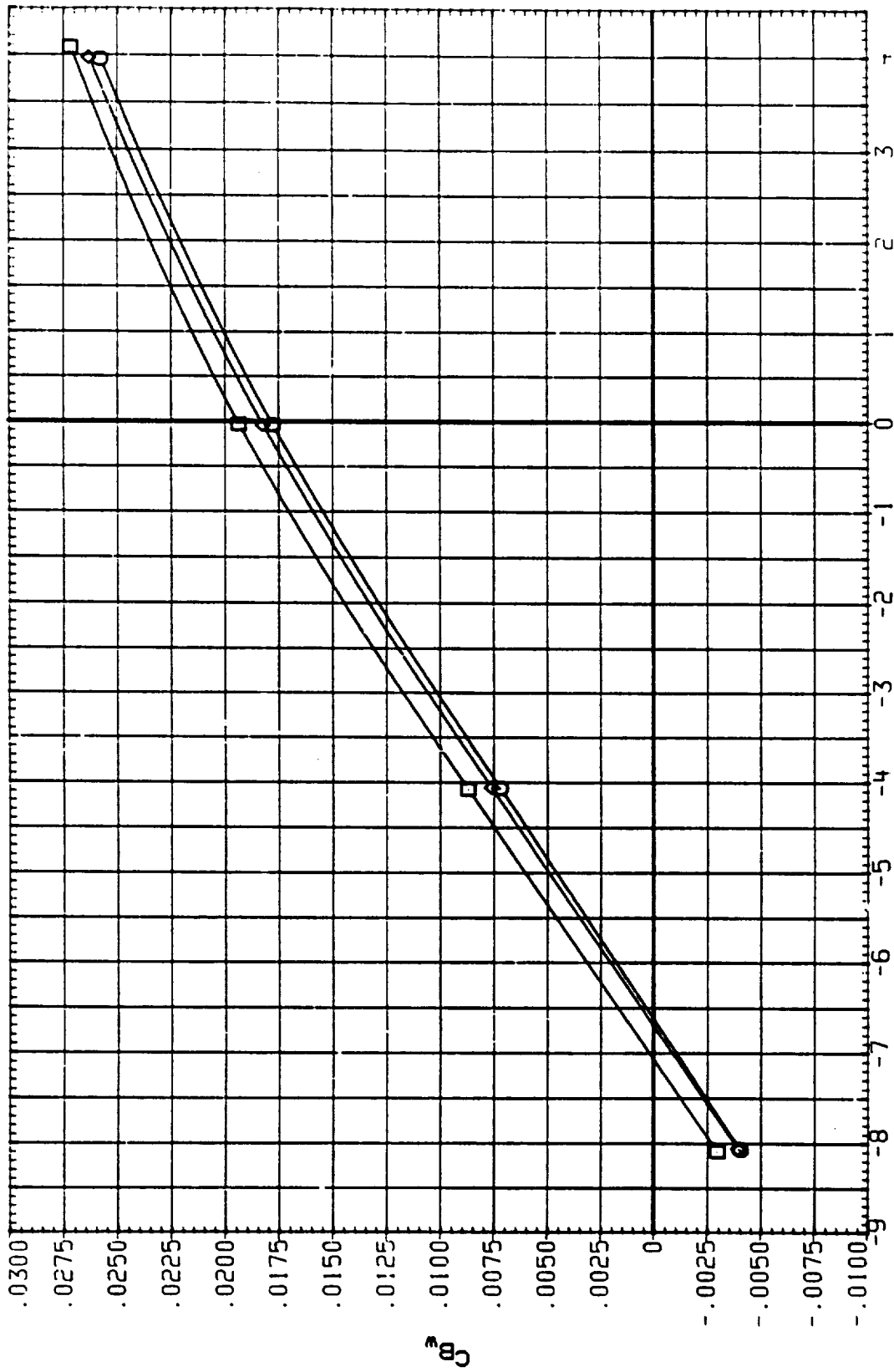


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA POINTS: □ ()
 CONFIGURATION: (MIRROR) * ASR1 .3
 (MIRROR) B/L OT * ASRM*PLUM .1.2
 (MIRROR) B/L OT * ASRM*PLUMS S1.3
 WASH: 1.200
 1.250
 1.300
 LEAD: TCP
 TCP
 TCP
 REEF: 5.000
 5.000
 5.000

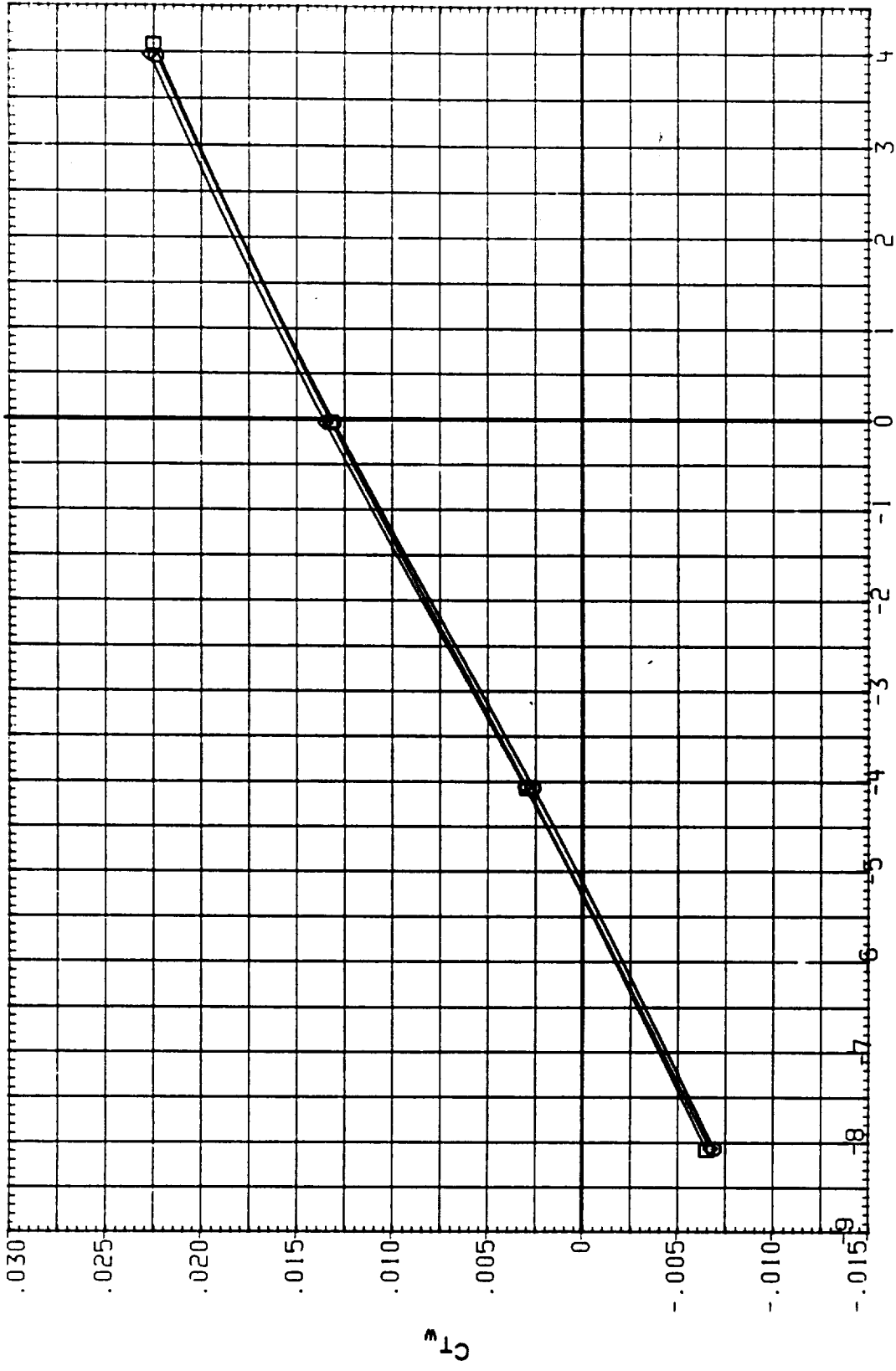


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
 WING LOADS
 (A) BETA = .00

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 OF POOR QUALITY

DATA SET SYMBOL

SC00E1
SC00S1
SC00S5

CONFIGURATION

IA613A1AEDC 16TF-829) OT (MIRROR) + ASRH + S1.3
IA613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2
IA613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3

MACH

1.350
1.350
1.350

IEABOX

TOP
TOP
TCP

IR-ELV

10.000
10.000
10.000

OB-ELV

5.000
9.000
5.000

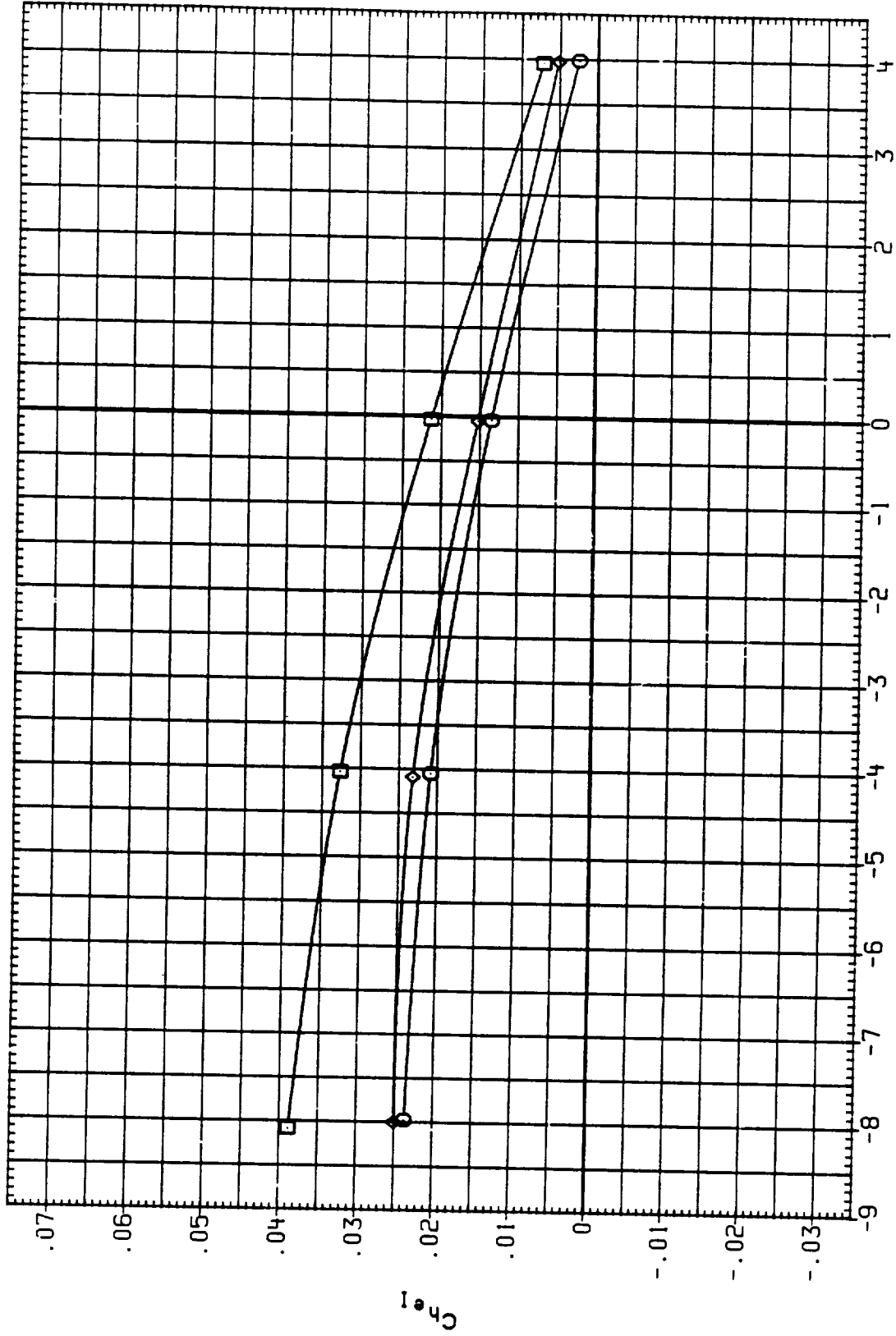


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC00E1
SC00S1
SC00S5



CONF IGURATION

1A613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.3
1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
1A613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3

MACH

1.250
1.350
1.350

1EABOX

TOP
TOP
TOP

1B-ELV

10.000
10.000
10.000

0B-ELV

5.000
9.000
5.000

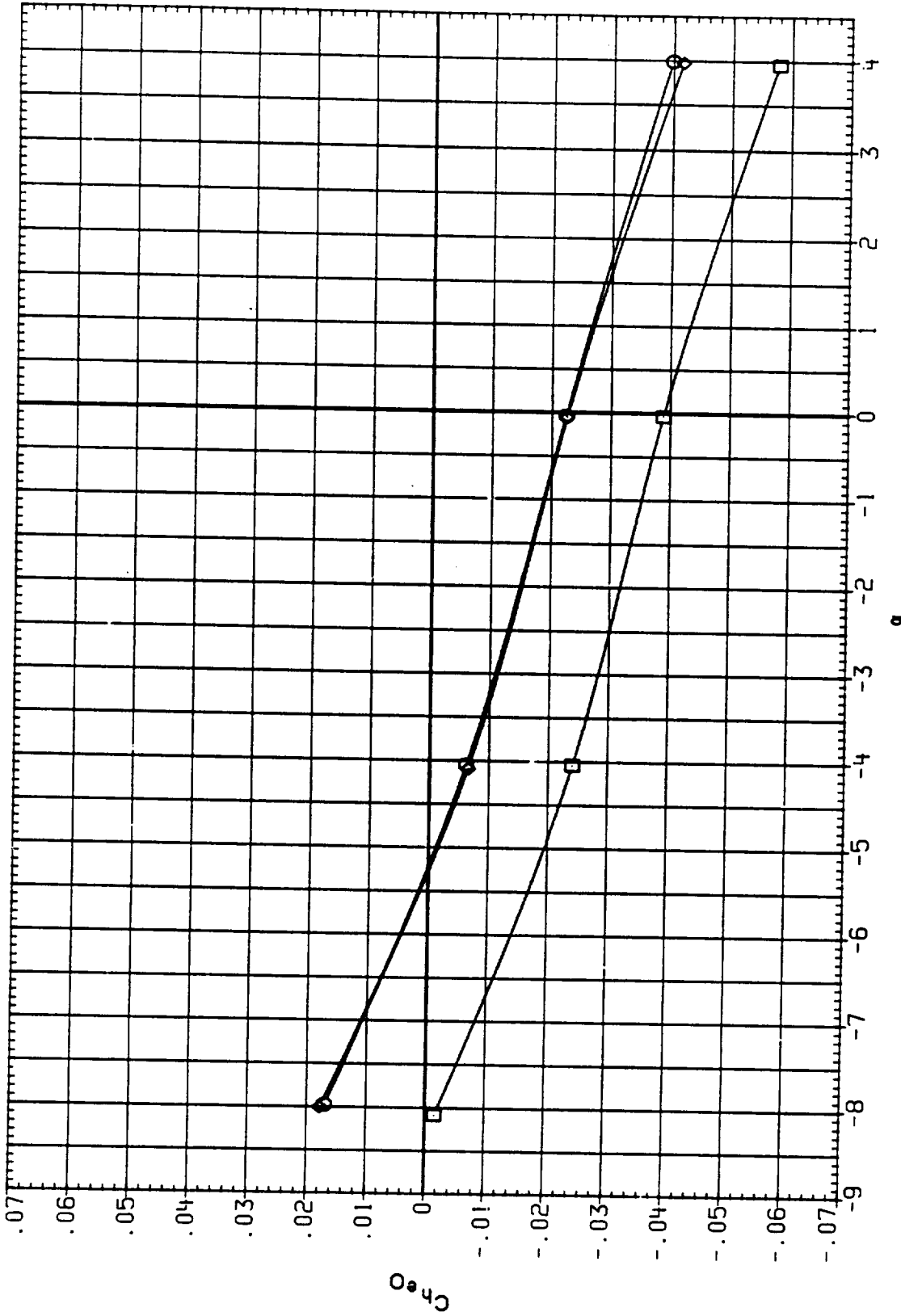


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC00E1
SC00S1
SC0055

CONFIGURATION

1A613A1AEDC 161F-829) OT (MIRROR) + ASRM + S1.3
1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3

MACH

1.350
1.350
1.350

LEABOX

TOP
TOP
TOP

1B-EL.

10.000
10.000
10.000

OB-ELY

5.000
9.000
5.000

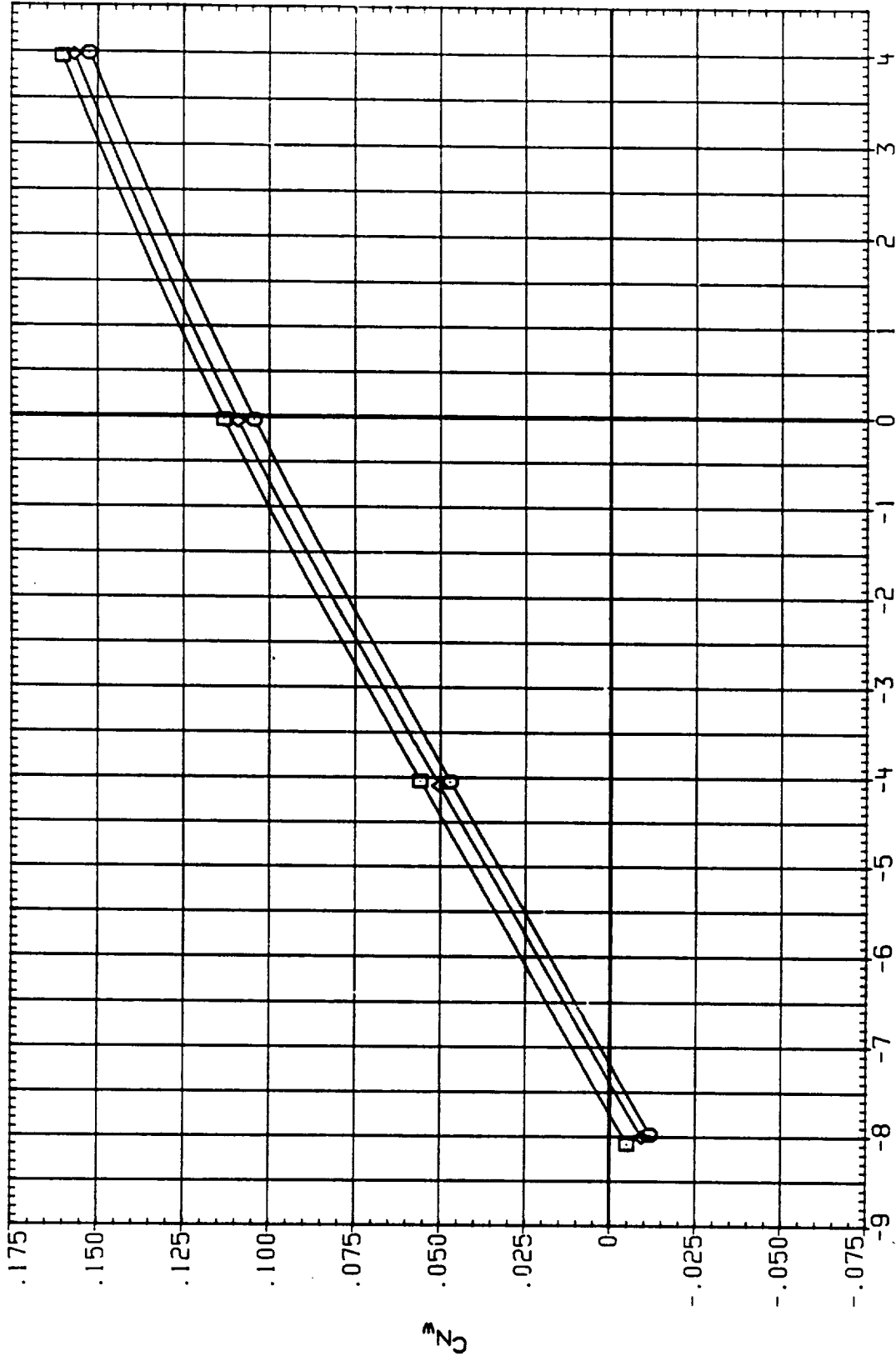


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC00E1 □
 SC00S1 □
 SC00S5 ◇

CONFIGURATION

IA613A(AEDC 161F-829) OT (MIRROR) + ASRM + S1.3
 IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.2
 IA613A(AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3

MACH

1.350
 1.350
 1.350

IEABOX

TOP
 TOP
 TOP

IB-ELV

10.000
 10.000
 10.000

OB-ELV

5.000
 5.000
 5.000

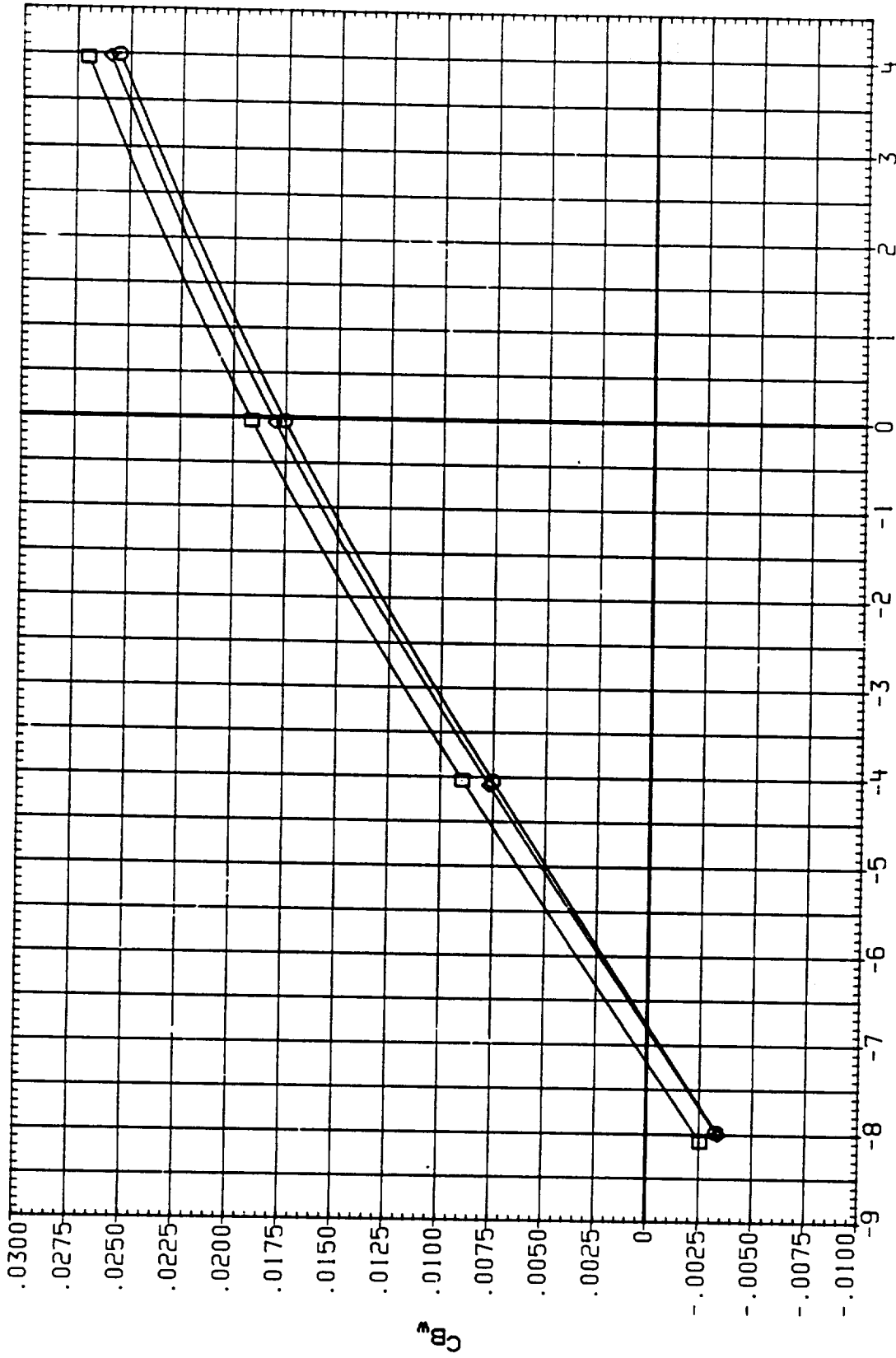


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
 WING LOADS

(A) BETA = .00

C-6

DATA SET SYMBOL CONFIGURATION MACH LEAD% FE-EDY CE-EDY

SC06E1	Q	1A613A1AEDC 161F-8291 OT (MIRROR) + ASRM + S1.3	1.350	TOP	10.000	5.000
SC0051	Q	1A613A1AEDC 161F-8291 B/L OT + ASRM+PLUMES S1.2	1.350	TOP	10.000	5.000
SC0055	Q	1A613A1AEDC 161F-8291 B/L OT + ASRM+PLUMES S1.3	1.350	TOP	10.000	5.000

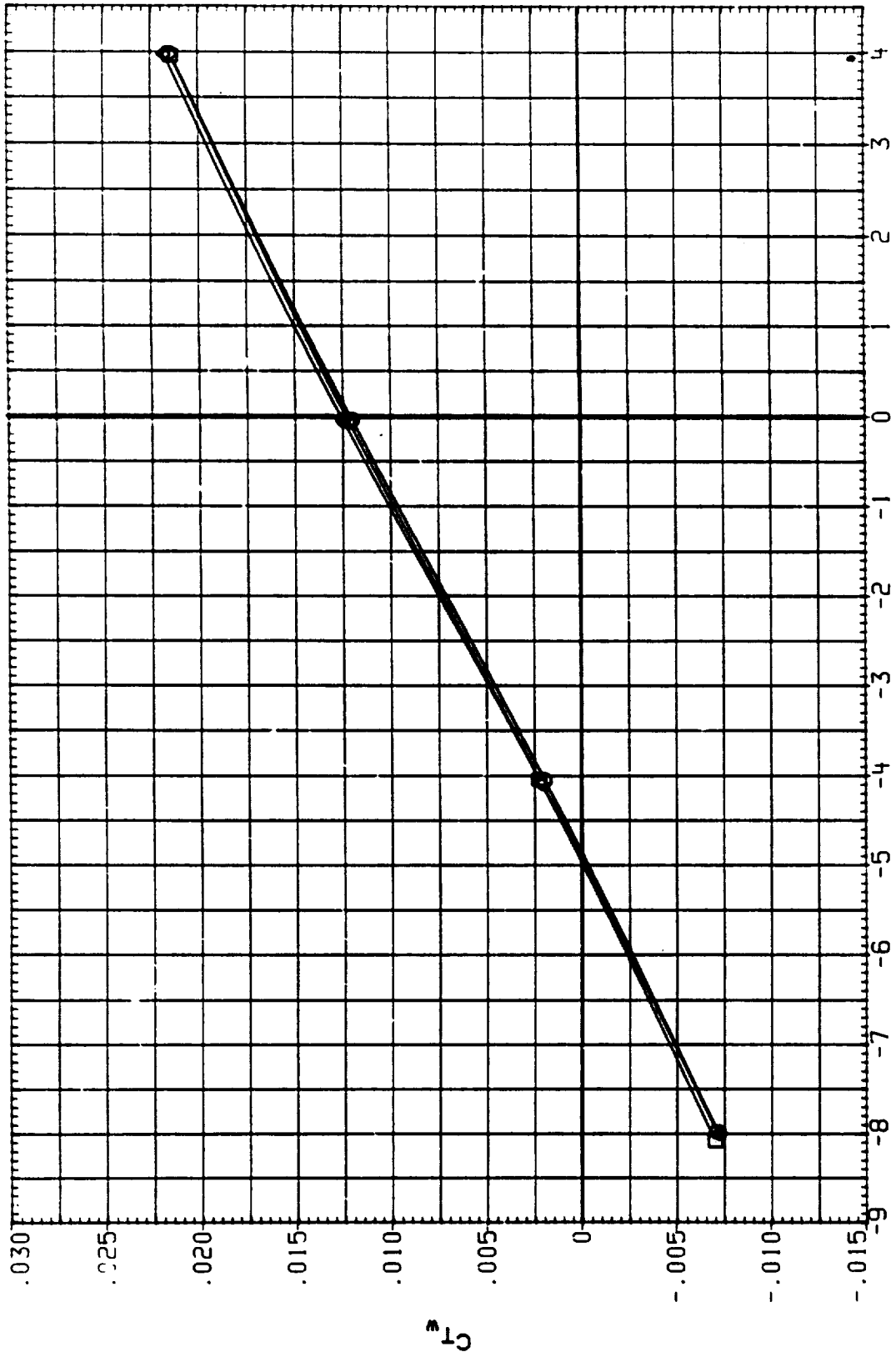


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA .00

14612A ASDJ (51.F-929) B/L 01 * ASRM * PLU 51.3 1.400 TOP 10.000
 14612A ASDJ (51.F-929) B/L 01 * ASRM * PLU 51.3 1.400 TOP 10.000
 14612A ASDJ (51.F-929) B/L 01 * ASRM * PLU 51.3 1.400 TOP 10.000
 14612A ASDJ (51.F-929) B/L 01 * ASRM * PLU 51.3 1.400 TOP 10.000
 14612A ASDJ (51.F-929) B/L 01 * ASRM * PLU 51.3 1.400 TOP 10.000

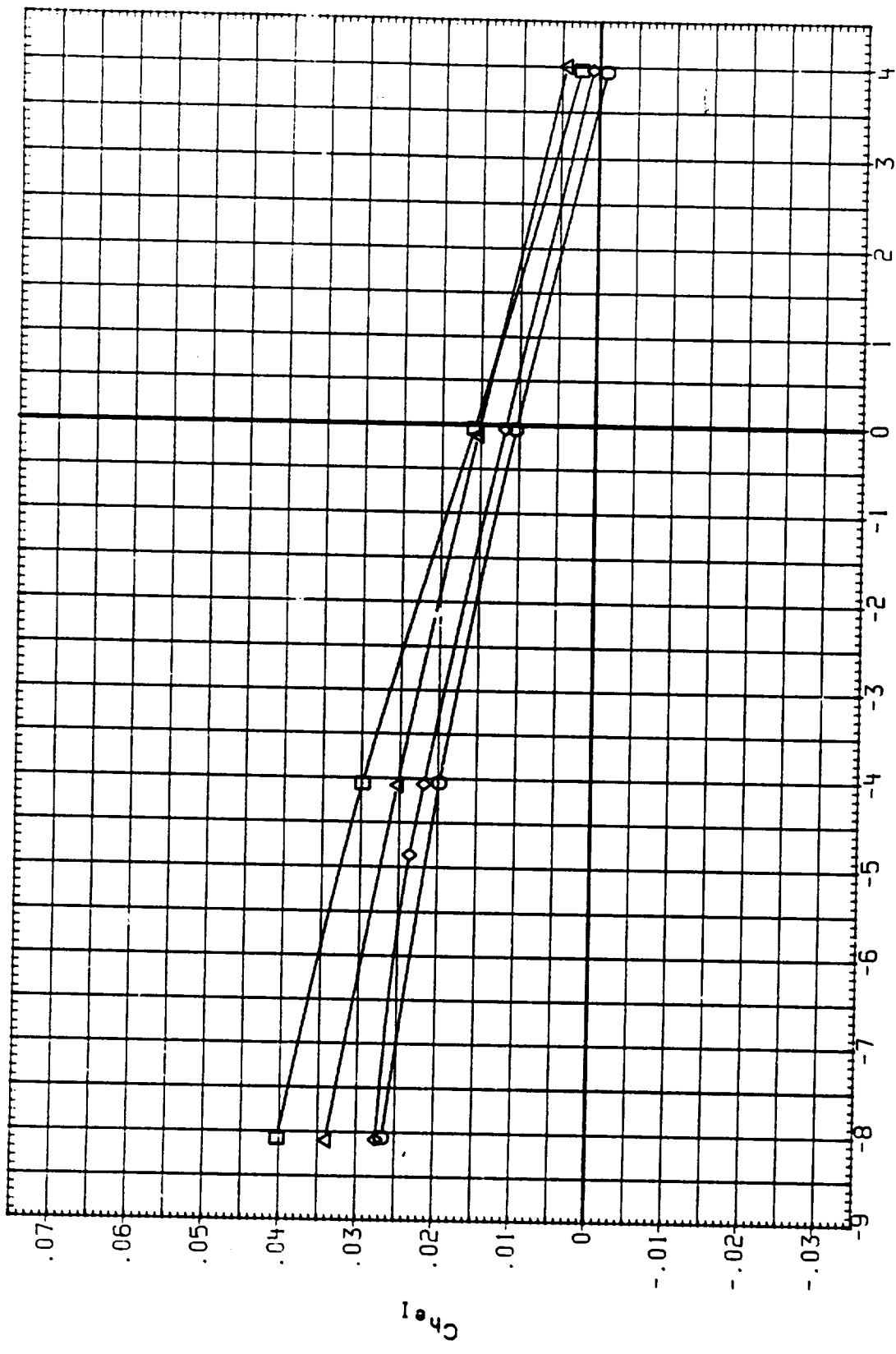


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
 WING LOADS
 (A) BETA = .00

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14613A(AEDC 16TF-829) OT (MIRROR) * ASRM * S1.3
 14613A(AEDC 16TF-829) B/L OT * ASRM-PLUMES S1.2
 14613A(AEDC 16TF-829) B/L OT * ASRM-PLUMES S1.3
 14613A(AEDC 16TF-829) B/L OT * ASRM-PLUMES S1.3

MACH 1.400
 1.400
 1.400
 1.400
 1.400
 1.400

CONFIGURATION
 1.400
 1.400
 1.400
 1.400
 1.400
 1.400

14613A(AEDC 16TF-829) OT (MIRROR) * ASRM * S1.3
 14613A(AEDC 16TF-829) B/L OT * ASRM-PLUMES S1.2
 14613A(AEDC 16TF-829) B/L OT * ASRM-PLUMES S1.3
 14613A(AEDC 16TF-829) B/L OT * ASRM-PLUMES S1.3

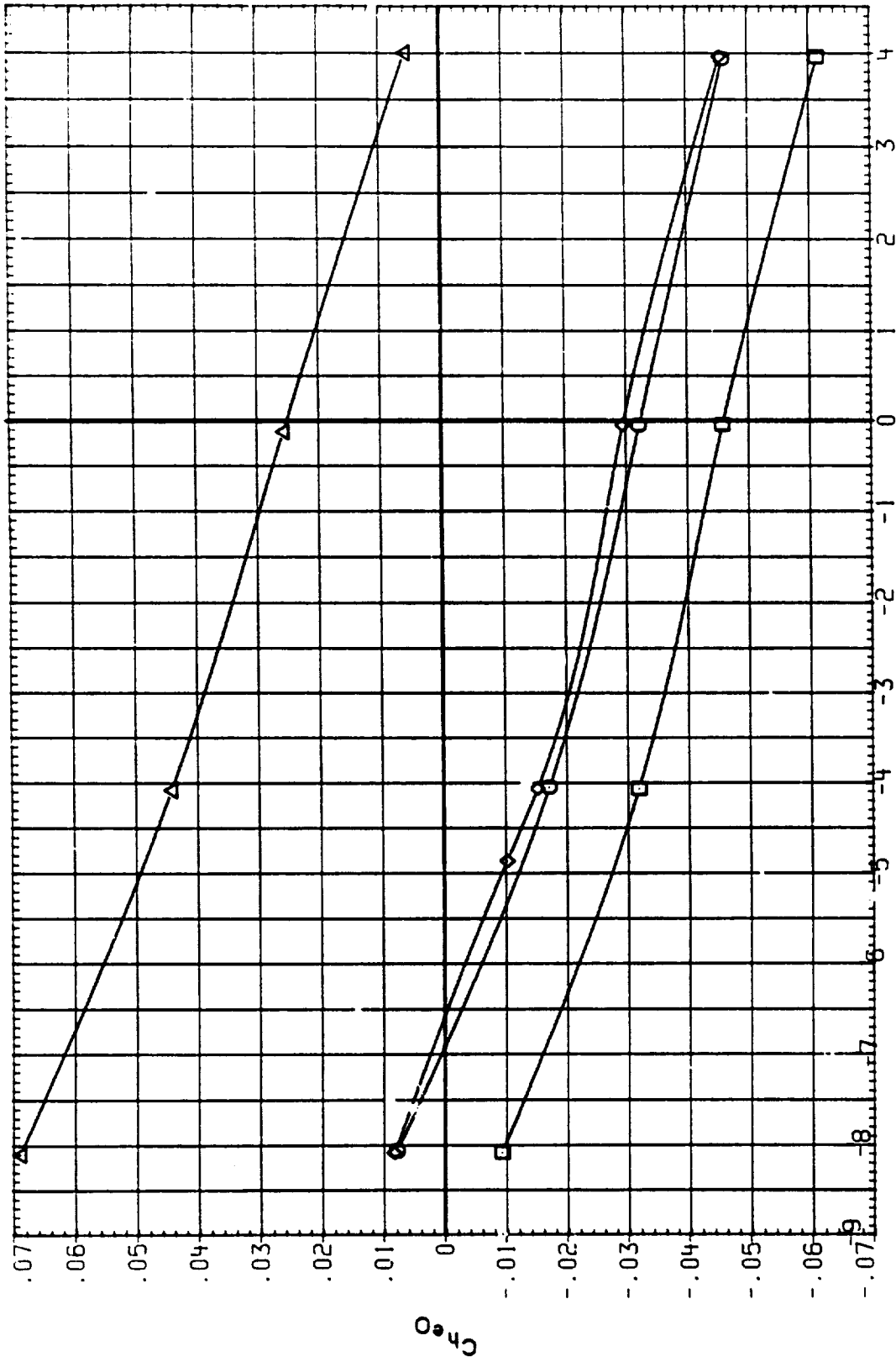


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION ON WING LOADS

(A) BETA = .00

ORIGINAL PAGE IS OF POOR QUALITY

DATA SET SYMBOL

SC00E2
SC0052
SC0056
SC0058

CONFIGURATION

IA613A1AEDC 16TF-829) OT (MIRROR) + ASRH + S1.3
IA613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.2
IA613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3
IA613A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3

MACH

1.400
1.400
1.400
1.400

IEABOX

TOP
TOP
TOP
TOP

IB-ELV

10.000
10.000
10.000
10.000

OB-ELV

5.000
9.000
5.000
-5.000

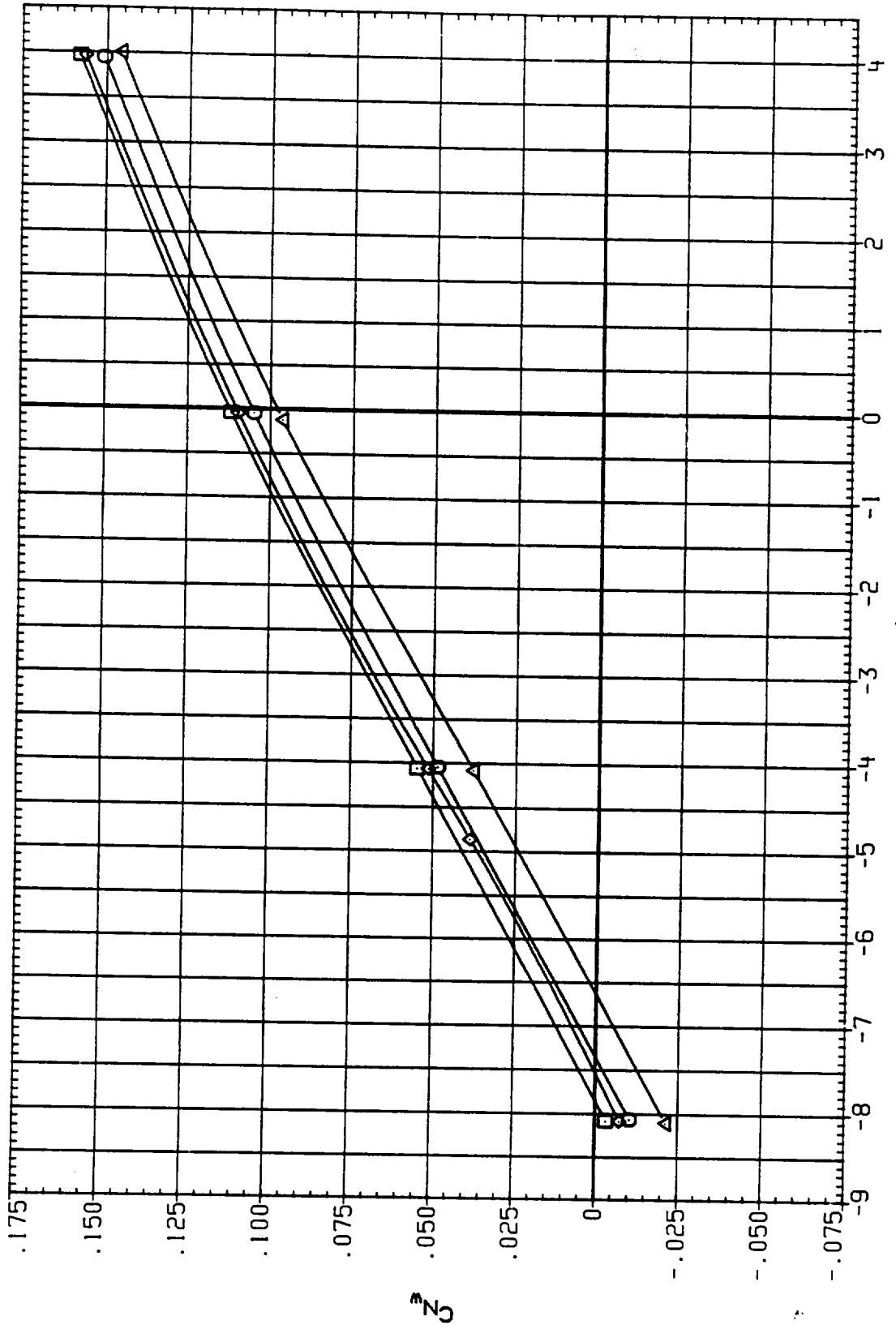


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION
WING LOADS

(A) BETA = .00

DATA SET	SYMBOL	CONFIGURATION	MACH	IEABOX	IB-ELV	OB-ELV
SC0052	□	I4613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.3	1.400	TOP	10.000	5.000
SC0052	○	I4613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2	1.400	TOP	10.000	9.000
SC0056	◇	I4613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.400	TOP	10.000	5.000
SC0058	△	I4613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3	1.400	TOP	10.000	-5.000

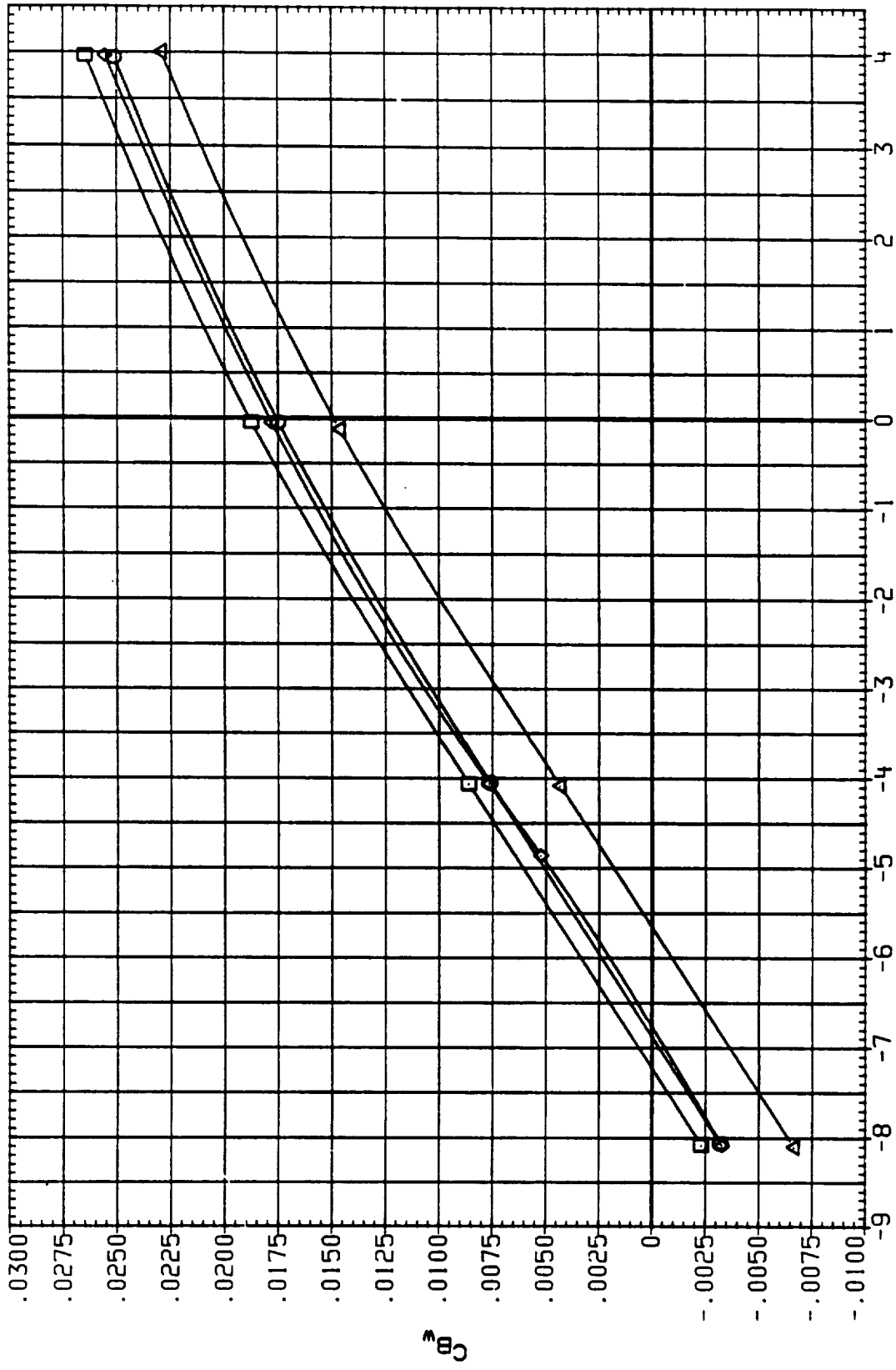


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL

DATA SET SYMBOL	CONFIGURATION
SC0052	IAG13A1AEDC 16TF-829) OT (MIRROR) + ASRH + S1.3
SC0052	IAG13A1AEDC 16.F-829) B/L OT + ASRH+PLUMES S1.2
SC0056	IAG13A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3
SC0058	IAG13A1AEDC 16TF-829) B/L OT + ASRH+PLUMES S1.3

MACH	IEABOX	IB-ELV	OB-ELV
1.400	TOP	10.000	5.000
1.400	TOP	10.000	9.000
1.400	TOP	10.000	5.000
1.400	TOP	10.000	-5.000

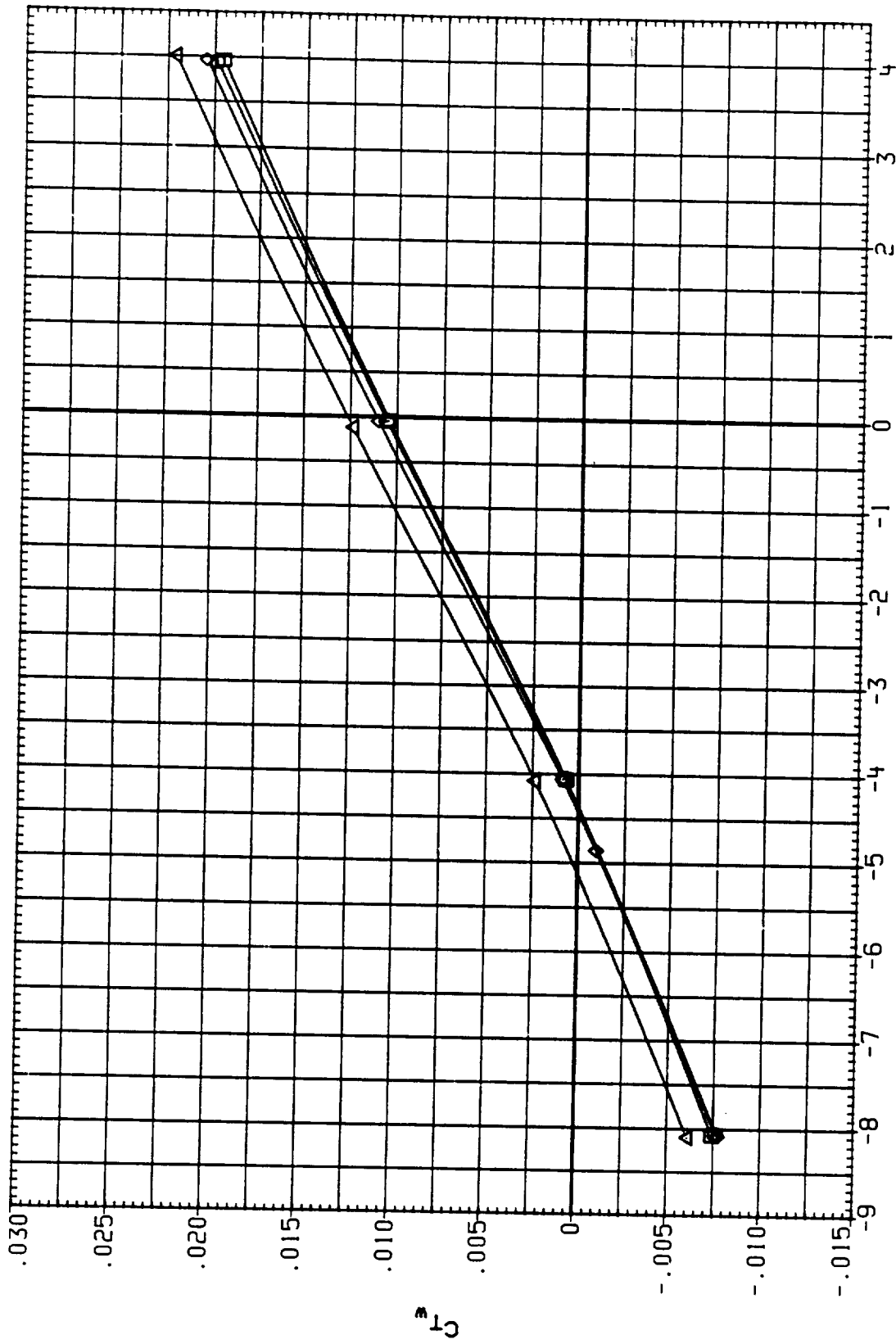


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC00E3
SC0057
SC0059

CONF IGURATION

1A613A1AEDC 161F-829) OT (MIRROR) + ASRH + S1.3
1A613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3
1A613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3

MACH

1.550
1.550
1.550

IEABOX

TOP
TOP
TOP

IB-ELV

10.000
10.000
10.000

OB-ELV

5.000
5.000
-5.000

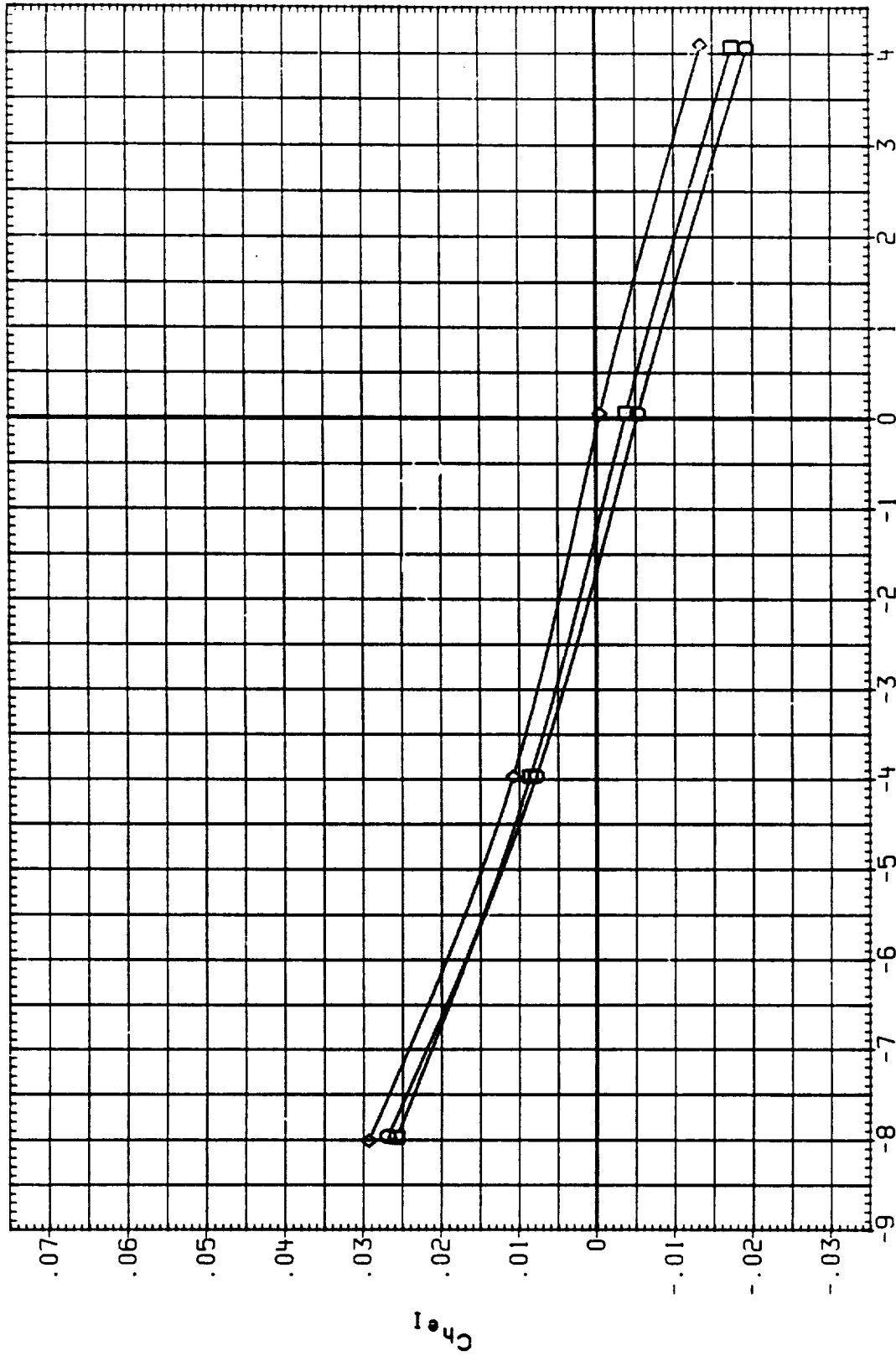


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC00E3
SC0057
SC0059

CONFIGURATION

I4613A1AEDC 161F-829) OT (MIRROR) + ASRH + S1.3
I4613A1AEDC 161F-829) B/L OT + ASRH+PLUMES S1.3
I4613A1AETC 161F-829) B/L OT + ASRH+PLUMES S1.3

MACH

1.550
1.550
1.550

IEARCK

TOP
TOP
TOP

IB-ELV

10.000
10.000
10.000

CB-ELV

5.000
5.000
-5.000

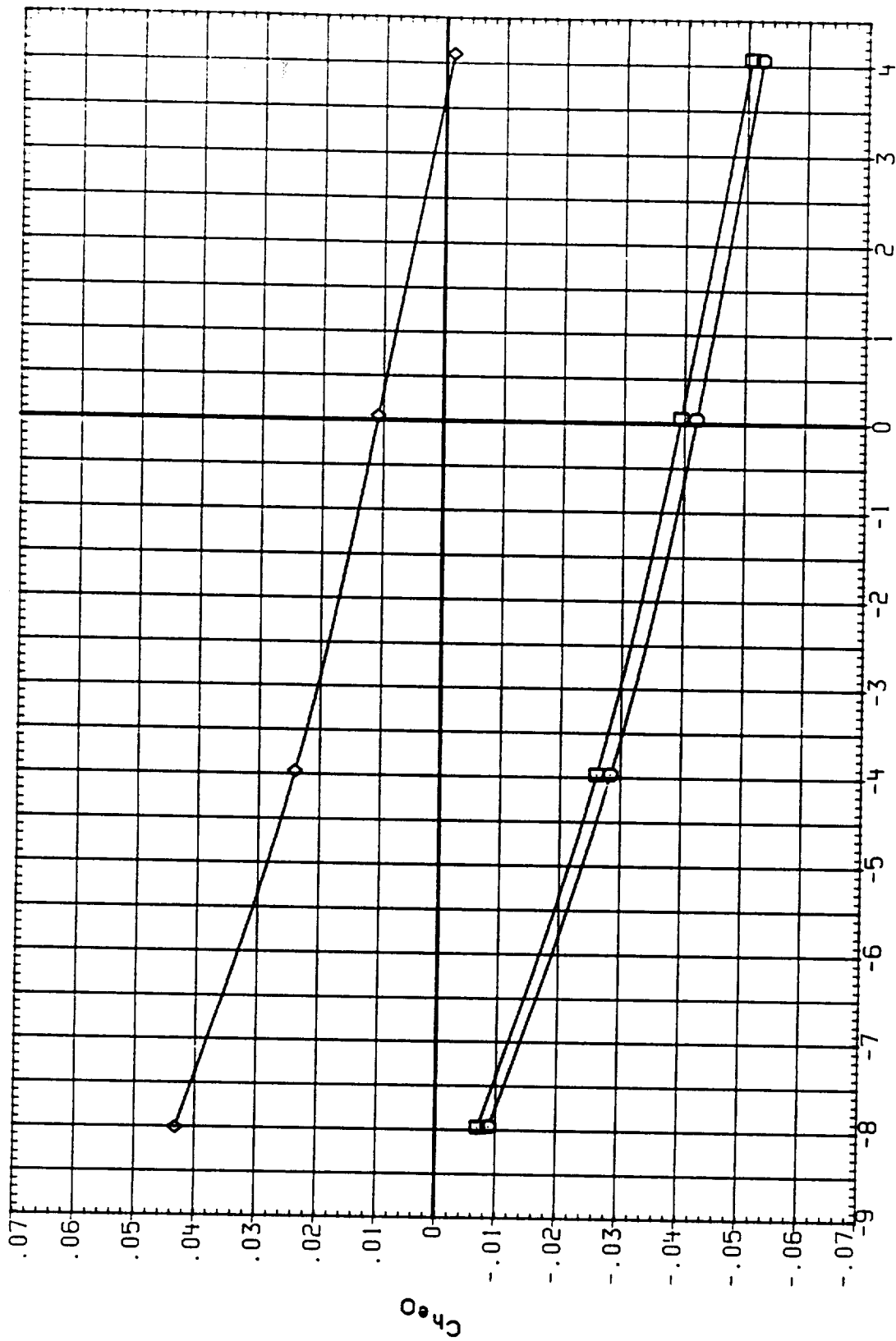


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION

(A) BETA = .00

DATA SET SYMBOL CONFIGURATION MACH IE4BOX IE4ELV CB4ELV

SC0053 1A613A1AEDC 161F-829) OT (MIRROR) + ASRM + S1.3 1.550 TOP 10.000 5.000

SC0057 1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3 1.550 TOP 10.000 5.000

SC0059 1A613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3 1.550 TOP 10.000 -5.000

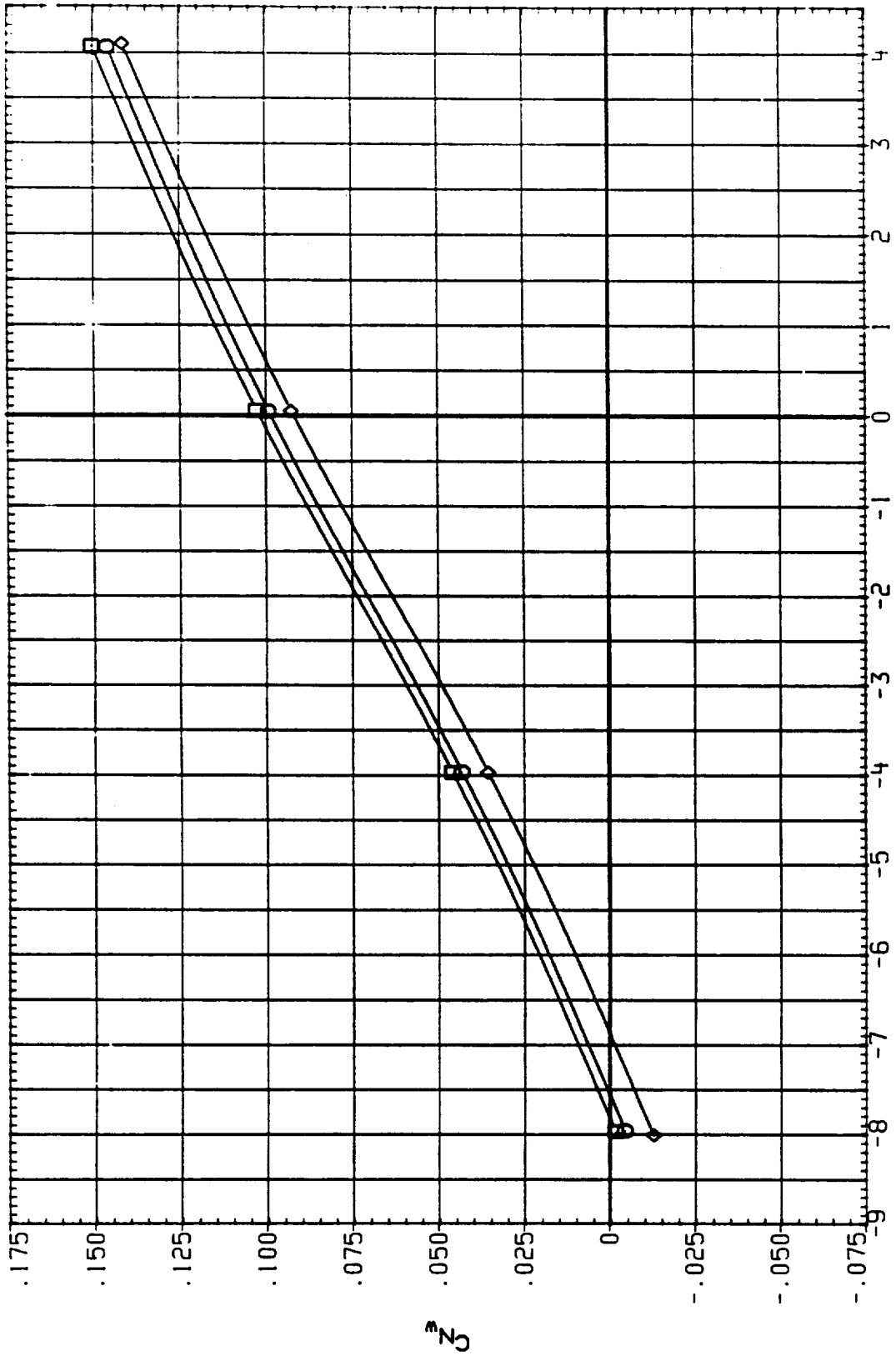


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

DATA SET SYMBOL

SC00E3
SC0057
SC0059

□
◇

CONFIGURATION

1A613A(AEDC 161F-829) 01 (MIRROR) + ASRM + S1.3
1A613A(AEDC 161F-829) B/L 01 + ASRM+PLUMES S1.3
1A613A(AEDC 161F-829) B/L 01 + ASRM+PLUMES S1.3

MACH

1.550
1.550
1.550

IE:BOX

TOP
TOP
TOP

IS:ELV

10.000
10.000
10.000

UB:ELV

5.000
5.000
-5.000

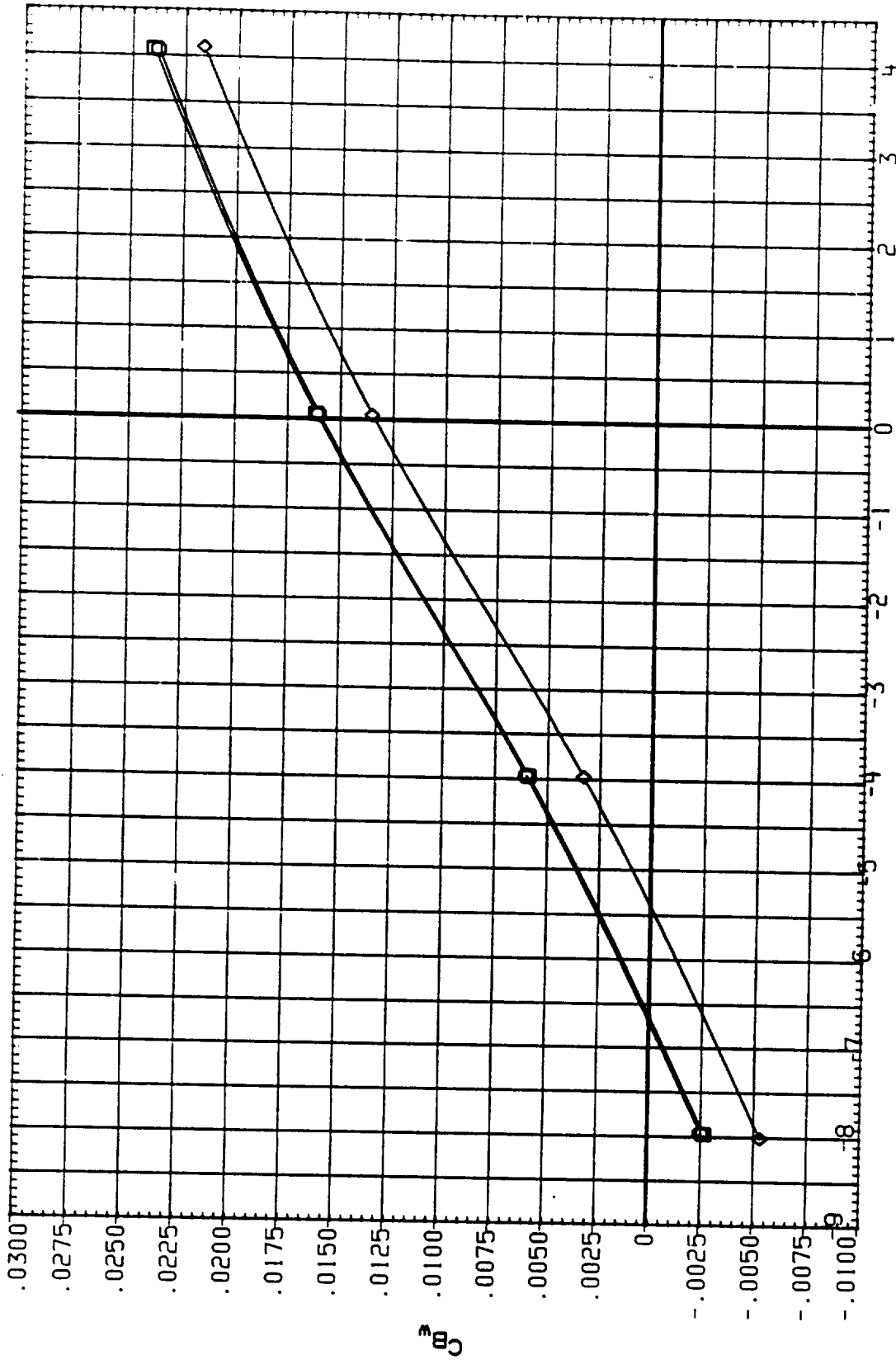


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

ORIGINAL PAGE IS
OF POOR QUALITY

DATA SET SYMBOL
 SC0053
 SC0057
 SC0059

CONFIGURATION

IA613A1AEDC 161F-829) OT (MIRROR) + ASRM + S1.3
 IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3
 IA613A1AEDC 161F-829) B/L OT + ASRM+PLUMES S1.3

MACH
 1.550
 1.550
 1.550

IEABOX
 TOP
 TOP
 TOP

IB-ELV
 10.000
 10.000
 10.000

OB-ELV
 5.000
 5.000
 -5.000

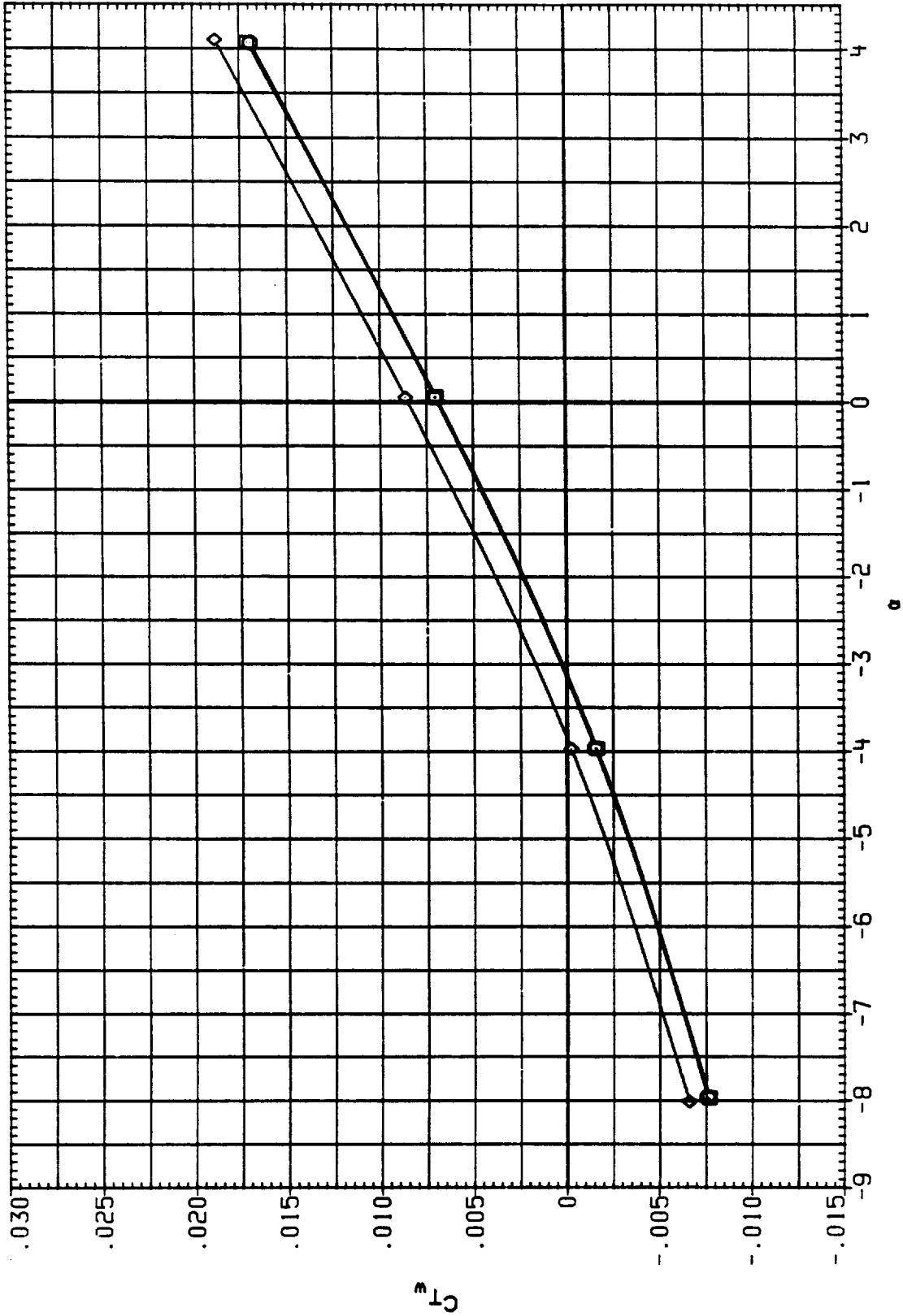


FIG. 9 EFFECT OF PRESSURE AND FEEDLINE MIRROR CONFIGURATION WING LOADS

(A) BETA = .00

APPENDIX
TABULATED SOURCE DATA
(FORCE)

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IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (RC0001) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 324/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.134	-8.436	.59881	-.02456	-.05080	.02157	.03469	.06650	.01428	.09977	-.06613	.03212
-4.203	-4.228	.60055	.10890	.08356	-.07148	-.05890	.06611	.01536	.09528	-.06369	.03251
-4.282	-.140	.60085	.23755	.21332	-.16055	-.14848	.06028	.01187	.09274	-.06241	.03399
-4.204	4.116	.60051	.37517	.35184	-.25643	-.24483	.04803	.00139	.07918	-.05351	.03201
GRADIENT	GRADIENT	-.00001	.03192	.03216	-.02217	-.02229	-.00217	-.00168	-.00194	.00123	-.00006

RUN NO. 325/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.382	.59998	-.05037	-.07452	.04100	.05309	.06448	.01652	-.00513	.00383	-.00010
.000	-4.203	.60052	.07604	.05282	-.04637	-.03480	.06526	.01893	-.00277	.00206	.00035
-.000	-.023	.60103	.20931	.18716	-.13808	-.12701	.05948	.01541	-.00229	.00183	.00056
.003	4.150	.60069	.34363	.32249	-.23137	-.22077	.04818	.00621	-.00141	.00129	.00088
GRADIENT	GRADIENT	.00002	.03203	.03228	-.02215	-.02226	-.00204	-.00152	.00016	-.00009	.00006

RUN NO. 326/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.132	-8.434	.60186	-.03384	-.05917	.02478	.03752	.06611	.01598	-.10947	.07314	-.03250
4.204	-4.210	.59762	.10413	.07819	-.07097	-.05796	.06806	.01659	-.10470	.07189	-.03305
4.288	-.043	.59998	.23774	.21359	-.16320	-.15111	.06706	.01910	-.10129	.07134	-.03299
4.202	4.118	.59949	.36667	.34349	-.25265	-.24100	.05406	.00814	-.08392	.05970	-.02916
GRADIENT	GRADIENT	.00022	.03153	.03186	-.02182	-.02198	-.00168	-.00101	.00250	-.00146	.00047

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RRSM,PLU. OFF (RC0002) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABDX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 331/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.137	-8.568	.79952	-.02582	-.05380	.02369	-.03756	.07723	.02109	.10244	-.06776	.03297
-4.211	-4.281	.80045	.12089	.09467	-.07963	-.06668	.07294	.02018	.09812	-.06552	.03393
-4.285	-.053	.80038	.26088	.23611	-.17728	-.16500	.06550	.01579	.09407	-.06322	.03552
-4.220	4.164	.79966	.40054	.37686	-.27578	-.26410	.05635	.00862	.08390	-.05675	.03470
	GRADIENT	-.00009	.03311	.03341	-.02323	-.02338	-.00196	-.00137	-.00168	.00104	.00009

RUN NO. 332/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.482	.79989	-.06193	-.08806	.05076	-.06376	.07376	.02153	-.00476	.00338	.00010
.001	-4.208	.80047	.07627	.05145	-.04572	-.03342	.07155	.02173	-.00307	.00226	.00035
-.000	-.008	.79998	.22276	.19929	-.14758	-.13591	.06529	.01837	-.00175	.00138	.00090
.002	4.251	.79922	.37822	.35630	-.25690	-.24599	.05378	.01000	-.00038	.00057	.00192
	GRADIENT	-.00015	.03570	.03604	-.02497	-.02513	-.00210	-.00139	.00032	-.00020	.00019

RUN NO. 333/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.132	-8.562	.79954	-.03633	-.06452	.02746	-.04147	.07702	.02064	-.11760	.07946	-.03505
4.206	-4.276	.80027	.11541	.08907	-.07840	-.06531	.08151	.02876	-.11838	.08256	-.03695
4.285	-.054	.79991	.26205	.23704	-.17936	-.16697	.08278	.03261	-.11420	.08131	-.03680
4.217	4.154	.79981	.40195	.37807	-.27628	-.26438	.07236	.02468	-.09823	.07023	-.03298
	GRADIENT	-.00005	.03399	.03428	-.02347	-.02362	-.00109	-.00048	.00239	-.00146	.00047

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (RC0003) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABDX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 343/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.136	-8.632	.89961	-.05911	-.08858	.05483	.06938	.09377	.03443	.10011	-.06428	.03185
-4.213	-4.308	.89996	.09700	.06981	-.04338	-.08644	.08644	.03184	.09699	-.06361	.03377
-4.286	-.011	.89993	.25438	.22851	-.16844	-.15563	.07925	.02730	.09308	-.06200	.03631
-4.214	4.225	.89982	.40015	.37587	-.27287	-.26087	.07397	.02514	.08480	-.05598	.03463
GRADIENT	GRADIENT	-.00002	.03553	.03587	-.02532	-.02549	-.00146	-.00078	-.00143	.00089	.00010

RUN NO. 344/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.008	-8.636	.89966	-.10909	-.13691	.09328	.10716	.09117	.03570	-.00760	.00494	-.00152
-.009	-4.865	.90029	.02811	.00186	-.00489	.00817	.08630	.03386	-.00440	.00279	-.00125
-.008	-4.237	.90026	.05191	.02594	-.02201	-.00913	.08495	.03286	-.00396	.00249	-.00113
-.012	.017	.89987	.21292	.18901	-.13668	-.12481	.07719	.02926	.00041	-.00045	.00137
-.010	4.294	.89957	.37352	.35084	-.25068	-.23939	.07022	.02490	.00037	-.00020	.00211
GRADIENT	GRADIENT	-.00008	.03772	.03812	-.02684	-.02703	-.00175	-.00095	.00057	-.00036	.00039

RUN NO. 345/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.137	-8.628	.89994	-.07323	-.10358	.06100	.07592	.09756	.03623	-.12398	.08300	-.03663
4.207	-4.307	.90000	.08887	.06075	-.05303	-.03915	.10203	.04543	-.12719	.08824	-.03973
4.286	-.006	.90021	.25520	.22898	-.16947	-.15653	.10297	.05015	-.12451	.08880	-.04064
4.221	4.226	.89975	.39814	.37343	-.27047	-.25826	.09115	.04143	-.10427	.07384	-.03451
GRADIENT	GRADIENT	-.00003	.03625	.03665	-.02549	-.02568	-.00127	-.00046	.00268	-.00168	.00061

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (RC0004) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.143	-8.651	.94924	-.07648	-.10802	.07383	.08936	.11012	.04646	.10544	-.06844	.03393
-4.210	-4.332	.95005	.08401	.05434	-.04174	-.02721	.10475	.04456	.09828	-.06370	.03428
-4.286	.021	.95040	.24680	.21876	-.15879	-.14510	.09605	.03900	.08937	-.05764	.03617
-4.213	4.242	.94976	.39690	.37017	-.26717	-.25405	.09047	.03638	.07856	-.05037	.03332
	GRADIENT	-.00003	.03650	.03684	-.02629	-.02646	-.00167	-.00096	-.00230	.00155	-.00011

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.657	.94998	-.12825	-.15875	.11404	.12906	.10903	.04750	-.00535	.00344	-.00001
-.001	-4.242	.95019	.03284	.00429	-.00243	.01157	.10289	.04505	-.00258	.00155	.00024
.000	.033	.94962	.19836	.17148	-.12165	-.10846	.09516	.04072	.00092	-.00130	.00157
.002	4.280	.94950	.36920	.34385	-.24448	-.23201	.08629	.03506	.00267	-.00275	.00282
	GRADIENT	-.00008	.03947	.03984	-.02840	-.02858	-.00195	-.00117	.00062	-.00050	-.00030

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.136	-8.657	.94971	-.09421	-.12722	.08334	.09945	.11573	.04861	-.13036	.08794	-.03855
4.206	-4.333	.95029	.07121	.04022	-.03388	-.01874	.12169	.05872	-.13040	.08992	-.04053
4.285	.035	.95044	.24750	.21844	-.15976	-.14554	.12321	.06427	-.12237	.08570	-.03995
4.216	4.230	.94942	.39115	.36408	-.26174	-.24845	.10943	.05464	-.10308	.07169	-.03425
	GRADIENT	-.00010	.03738	.03784	-.02662	-.02684	-.00142	-.00046	.00318	-.00212	.00073

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RRM,PLU. OFF (RC0005) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 355/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.145	-8.648	1.04999	-10834	-14404	.10952	.12701	.13265	.06025	.10364	-.06651	.03875
-4.211	-4.367	1.05078	.06565	.03151	-.01680	-.00023	.12555	.05573	.09664	-.06129	.03975
-4.295	-.016	1.05032	.24800	.21490	-.14834	-.13249	.12134	.05284	.09086	-.05715	.04233
-4.217	4.313	1.04987	.41222	.38044	-.26633	-.25111	.11351	.04776	.07658	-.04717	.03661
	GRADIENT	-.00010	.03993	.04020	-.02875	-.02890	-.00139	-.00092	-.00231	.00163	-.00036

RUN NO. 356/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.728	1.04902	-14878	-18309	.13951	.15629	.13034	.06068	-.00360	.00213	.00109
.000	-4.237	1.05178	.02819	-.00467	.01263	.02863	.12575	.05874	-.00047	-.00014	.00159
-.001	.069	1.05131	.20852	.17739	-.11724	-.10211	.12024	.05670	.00321	-.00300	.00240
-.002	4.324	1.04910	.37069	.34069	-.23396	-.21933	.11367	.05261	.00598	-.00508	.00341
	GRADIENT	-.00031	.04001	.04035	-.02881	-.02897	-.00141	-.00071	.00075	-.00058	.00021

RUN NO. 360/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.144	-8.611	1.05004	-12232	-15976	.11956	.13761	.15601	.07897	-.16477	.11491	-.04926
4.210	-4.353	1.05024	.06860	.03356	-.01720	-.00027	.16656	.09461	-.16239	.11419	-.05101
4.299	-.008	1.05049	.25887	.22558	-.15413	-.13796	.17272	.10469	-.15909	.11375	-.05231
4.217	4.305	1.04960	.39996	.36835	-.25206	-.23671	.16053	.09593	-.13050	.09247	-.04292
	GRADIENT	-.00007	.03828	.03868	-.02713	-.02731	-.00069	.00015	.00368	-.00251	.00093

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.146	-8.643	1.09811	-.12788	-.17015	.13326	.15389	.15257	.06656	.10398	-.06709	-.03973
-4.215	-4.361	1.10059	.04432	.00476	.00755	.02673	.14502	.06403	.09725	-.06243	.04078
-4.297	-.010	1.10015	.22761	.18987	-.12607	-.10789	.13962	.06194	.09180	-.05883	.04332
-4.219	4.327	1.09973	.39308	.35785	-.24776	-.23090	.13025	.05731	.07856	-.05040	.03836
	GRADIENT	-.00010	.04014	.04064	-.02939	-.02965	-.00170	-.00077	-.00215	.00138	-.00028

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.731	1.09923	-.16878	-.20878	.16368	.18313	.15017	.06852	-.00518	.00327	.00044
.001	-5.127	1.10084	-.02907	-.06753	.06276	.08145	.14587	.06733	-.00370	.00226	.00042
-.001	-4.239	1.10017	.00492	-.03331	.03833	.05689	.14448	.06635	-.00325	.00194	.00059
.000	.078	1.09990	.18586	.14903	-.09285	-.07500	.13898	.06362	.00084	-.00113	.00133
-.001	4.339	1.09938	.35593	.32060	-.21798	-.20101	.13390	.06103	.00361	-.00323	.00229
	GRADIENT	-.00009	.04092	.04126	-.02988	-.03007	-.00123	-.00062	.00080	-.00060	.00020

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.145	-8.635	1.09734	-.14655	-.18977	.14694	.16782	.17625	.08750	-.15944	.11189	-.04830
4.212	-4.368	1.10096	.04097	.00123	.01155	.03083	.18409	.10279	-.15972	.11326	-.05072
4.296	-.008	1.10063	.23218	.19456	-.12805	-.10972	.18913	.11251	-.15850	.11447	-.05274
4.218	4.320	1.10001	.38238	.34676	-.23537	-.21800	.18057	.10805	-.13782	.10016	-.04644
	GRADIENT	-.00011	.03930	.03978	-.02843	-.02865	-.00040	.00061	.00252	-.00151	.00049

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RRSM,PLU. OFF (RC0007) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 370/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.147	-8.717	1.14834	-1.1704	-15269	.12160	-.13902	.14346	.07104	.10223	-.06607	-.03924
-4.216	-4.375	1.15065	.06893	.03501	-.01532	.00117	.13946	.07024	.09558	-.06173	.04167
-4.297	-.003	1.15076	.25085	.21789	-.14836	-.13243	.13702	.06938	.09265	-.05987	.04287
-4.217	4.335	1.14987	.41029	.37883	-.26414	-.24901	.13056	.06574	.07901	-.05045	.03910
	GRADIENT	-.00009	.03920	.03948	-.02857	-.02873	-.00102	-.00052	-.00190	.00129	-.00029

RUN NO. 371/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.765	1.14906	-1.15957	-19329	.15367	-.17015	.14190	.07344	-.00498	.00346	.00054
.000	-4.385	1.15124	.02663	-.00548	.01732	.03298	.13701	.07159	-.00279	.00197	.00104
.000	-.097	1.15091	.21604	.18463	-.12088	-.10566	.13633	.07201	.00143	-.00135	.00219
.002	4.325	1.14973	.37343	.34249	-.23536	-.22052	.13174	.06783	.00389	-.00307	.00253
	GRADIENT	-.00017	.03984	.03997	-.02903	-.02912	-.00060	-.00043	.00077	-.00058	.00017

RUN NO. 372/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.146	-8.713	1.14830	-1.13996	-17639	.13936	-.15704	.16828	.09375	-.15869	.11073	-.04821
4.209	-4.378	1.14987	.06364	.02918	-.00957	.00716	.18001	.10958	-.16287	.11594	-.05276
4.295	-.002	1.15067	.24643	.21304	-.14260	-.12635	.18396	.11584	-.15384	.11077	-.05143
4.216	4.326	1.14956	.39372	.36183	-.24715	-.23161	.17768	.11271	-.13457	.09758	-.04603
	GRADIENT	-.00003	.03793	.03822	-.02730	-.02744	-.00027	.00036	.00325	-.00211	.00077

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (RC0008) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.144	-8.820	1.24942	-.10751	-.13869	.11300	.12833	.14363	.08065	.10204	-.06619	.04016
-4.216	-4.383	1.25061	.08078	.05020	-.02767	-.01278	.14144	.07911	.09544	-.06145	.04080
-4.297	-.009	1.25019	.25675	.22711	-.15704	-.14264	.13925	.07869	.09111	-.05851	.04143
-4.218	4.354	1.24965	.40958	.38061	-.26759	-.25353	.13581	.07660	.08177	-.05319	.03875
	GRADIENT	-.00011	.03763	.03782	-.02746	-.02756	-.00064	-.00029	-.00156	.00095	-.00024

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.801	1.24937	-.14452	-.17453	.14132	.15606	.14136	.08065	-.00348	.00212	.00088
.000	-4.245	1.25003	.05395	.02438	-.00753	.00689	.13976	.07954	.00012	-.00072	.00183
-.001	.067	1.24985	.23412	.20534	-.13974	-.12577	.13863	.07979	.00355	-.00358	.00271
.001	4.349	1.24987	.38258	.35414	-.24551	-.23179	.13699	.07853	.00538	-.00469	.00334
	GRADIENT	-.00002	.03824	.03838	-.02770	-.02778	-.00032	-.00012	.00061	-.00046	.00018

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.144	-8.803	1.24928	-.13050	-.16415	.13148	.14796	.17235	.10408	-.16239	.11417	-.05011
4.212	-4.396	1.24990	.06459	.03202	-.01392	.00200	.17900	.11285	-.15677	.11083	-.05055
4.295	-.001	1.25029	.25038	.22121	-.15092	-.13666	.18069	.12140	-.14722	.10466	-.04910
4.219	4.335	1.24948	.39094	.36185	-.24996	-.23572	.17557	.11652	-.12713	.09137	-.04337
	GRADIENT	-.00005	.03739	.03779	-.02704	-.02724	-.00039	.00042	.00339	-.00223	.00082

IA613A(AEDC 16TF-829) DT(DOOR OFF)+RSRM,PLU. OFF (RC0009) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

MACH = 1.250 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 503/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.913	-7.715	1.24903	-.07628	-.10664	.09039	.10529	.13967	.07824	.09301	-.06010	.03790
-3.881	-3.931	1.25006	.08577	.05588	-.03025	-.01568	.13854	.07766	.08718	-.05617	.03824
-3.820	-.020	1.24974	.24013	-.21123	-.14394	-.12993	.13590	.07676	.08191	-.05269	.03792
-3.869	3.842	1.24934	.37872	.35064	-.24478	-.23116	.13236	.07497	.07727	-.05053	.03650
	GRADIENT	-.00009	.03769	.03792	-.02760	-.02772	-.00079	-.00035	-.00127	.00073	-.00022

RUN NO. 504/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.821	1.24909	-.10931	-.13878	.11577	.13020	.13808	.07827	-.00294	.00165	.00094
.001	-4.978	1.24861	.01354	-.01566	.03783	.03783	.13698	.07743	-.00070	-.00013	.00180
-.001	-3.951	1.24879	.05940	.03046	-.01008	.00400	.13666	.07764	.00020	-.00088	.00208
-.000	-.068	1.25080	.21855	.19028	-.12732	-.11367	.13536	.07734	.00329	-.00347	.00296
.001	3.834	1.25052	.35692	.32870	-.22633	-.21268	.13386	.07597	.00545	-.00493	.00371
	GRADIENT	.00025	.03899	.03911	-.02841	-.02848	-.00035	-.00017	.00070	-.00055	.00022

RUN NO. 505/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.901	-7.721	1.24976	-.09394	-.12649	.10382	.11976	.16467	.09863	-.14019	.09710	-.04447
3.883	-3.937	1.24963	.07080	.03894	-.01762	-.00207	.17094	.10611	-.13307	.09239	-.04383
3.818	-.025	1.25046	.23208	.20384	-.13630	-.12252	.17116	.11369	-.12041	.08393	-.04103
3.870	3.837	1.24995	.36448	.33606	-.23180	-.21795	.16456	.10668	-.10758	.07600	-.03785
	GRADIENT	.00004	.03778	.03823	-.02756	-.02777	-.00082	.00008	.00328	-.00211	.00077

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (RC0010) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 507/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.913	-7.703	1.29975	-.07331	-.10361	.08749	.10237	.14209	.08078	.09837	-.06533	.03871
-3.882	-3.926	1.29986	.08841	.05924	-.03513	-.02092	.13827	.07881	.08854	-.05761	.03776
-3.821	-.017	1.30022	.24506	.21630	-.15092	-.13698	.13690	.07804	.08267	-.05366	.03739
-3.864	3.844	1.29970	.37770	.35013	-.24651	-.23316	.13356	.07707	.07717	-.05071	.03644
	GRADIENT	-.00002	.03724	.03745	-.02721	-.02732	-.00061	-.00022	-.00146	-.00089	-.00017

RUN NO. 508/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-7.777	1.29996	-.09904	-.12822	.10617	.12037	.13998	.08046	-.00427	.00293	.00066
-.001	-3.958	1.30001	.06486	.03619	-.01737	-.00347	.13805	.07937	-.00197	.00104	.00202
-.000	-.054	1.29984	.22492	.19696	-.13565	-.12215	.13659	.07915	.00140	-.00175	.00261
.001	3.823	1.29994	.35876	.33085	-.23110	-.21762	.13542	.07810	.00349	-.00325	.00312
	GRADIENT	-.00001	.03777	.03787	-.02747	-.02752	-.00034	-.00016	.00070	-.00055	.00014

RUN NO. 509/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.901	-7.723	1.30122	-.09432	-.12697	.10261	.11855	.16184	.09543	-.13517	.09382	-.04281
3.879	-3.924	1.30046	.06675	.03519	-.01731	-.00198	.16556	.10111	-.12586	.08697	-.04123
3.825	-.025	1.30031	.22853	.19902	-.13726	-.12295	.16594	.10560	-.11462	.07944	-.03909
3.868	3.832	1.29895	.36180	.33364	-.23256	-.21883	.16147	.10411	-.10215	.07145	-.03642
	GRADIENT	-.00020	.03804	.03848	-.02776	-.02796	-.00053	.00039	.00306	-.00200	.00062

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (RC0011) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 511/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.916	-7.720	1.34919	-0.7496	.08909	.10449	.14646	.08340	.09743	-.06490	.03752
-3.883	-3.931	1.34999	.07965	-.02963	-.01524	.14088	.08148	.08778	-.05730	.03621
-3.824	-.013	1.34978	.23791	.20963	-.13417	.13788	.08031	.08100	-.05214	.03598
-3.867	3.834	1.34966	.37410	.34672	-.23276	.13489	.07913	.07685	-.05050	.03577
	GRADIENT	-.00004	.03793	-.02789	-.02802	-.00077	-.00030	-.00141	.00088	-.00006

RUN NO. 512/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.817	1.34959	-.09985	.10606	.12028	.14267	.08376	-.00273	.00178	.00097
-.001	-3.960	1.35002	.06428	-.01871	-.00486	.13955	.08164	-.00033	-.00022	.00225
-.000	-.058	1.35006	.22440	.19708	-.12446	.13700	.08116	.00216	-.00242	.00274
.001	3.828	1.34967	.35768	.33016	-.21925	.13654	.08013	.00439	-.00407	.00338
	GRADIENT	-.00005	.03768	-.02746	-.02753	-.00039	-.00019	.00061	-.00049	.00015

RUN NO. 513/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.904	-7.709	1.35014	-.09465	.10206	.11781	.16058	.09480	-.13158	.09119	-.04164
3.887	-3.935	1.34908	.06292	-.03137	-.00114	.16229	.09785	-.12013	.08256	-.03932
3.818	-.024	1.34934	.22005	.18964	-.11791	.16423	.10194	-.10693	.07364	-.03657
3.872	3.842	1.35015	.35404	.32527	-.21507	.15842	.09970	-.09577	.06646	-.03417
	GRADIENT	.00014	.03744	-.02734	-.02751	-.00050	.00024	.00313	-.00207	.00066

IA613A (AEDC 16TF-829) TABULATED FORCE DATA

DATE 10 SEP 92

(RC0012) (13 APR 92)

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300
 MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.909	-7.716	1.40024	-.07412	-.10498	.08854	.10373	.14883	.08652	.09775	-.06565	.03735
-3.886	-3.925	1.39863	.07251	.04311	-.02495	-.01056	.14256	.08294	.08985	-.05940	.03569
-3.822	-.012	1.40075	.23127	.20340	-.14504	-.13146	.13818	.08143	.08326	-.05459	.03562
-3.870	3.843	1.39988	.36945	.34213	-.24429	-.23096	.13557	.08001	.07642	-.05022	.03547
	GRADIENT	.00016	.03823	.03850	-.02824	-.02838	-.00090	-.00038	-.00173	.00118	-.00003

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-7.797	1.39983	-.09785	-.12678	.10425	.11840	.14492	.08620	-.00143	.00036	.00149
-.002	-4.688	1.39965	.02843	-.00017	.00690	.02085	.14172	.08348	.00067	-.00137	.00236
-.001	-3.963	1.39941	.05991	.03148	-.01703	-.00319	.14109	.08311	.00118	-.00176	.00254
-.000	-.054	1.40036	.21992	.19208	-.13670	-.12320	.13950	.08253	.00271	-.00292	.00318
.001	3.826	1.39975	.35584	.32854	-.23367	-.22044	.13729	.08137	.00439	-.00422	.00359
	GRADIENT	.00004	.03857	.03872	-.02837	-.02845	-.00050	-.00023	-.00043	-.00033	.00014

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.906	-7.707	1.39963	-.09283	-.12471	.09935	.11487	.15859	.09359	-.12669	.08769	-.04010
3.880	-3.936	1.39988	.05669	.02542	-.01500	.00018	.15545	.09152	-.11275	.07686	-.03640
3.821	-.023	1.40029	.21803	.18762	-.13490	-.12018	.15826	.09595	-.10067	.06869	-.03442
3.869	3.834	1.39983	.35090	.32171	-.23026	-.21611	.15349	.09377	-.08931	.06111	-.03227
	GRADIENT	-.00001	.03788	.03814	-.02771	-.02785	-.00025	.00029	.00302	-.00203	.00053

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (RC0013) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 557/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.913	-7.703	1.39946	-.09356	-.12460	.10668	.12196	.14943	.08678	.09753	-.06508	.03807
-3.882	-3.908	1.40035	.05323	.02432	-.00727	.06693	.14203	.08356	.08913	-.05838	.03583
-3.817	-.007	1.40030	.21402	.18655	-.12912	-.11573	.13655	.08060	.08298	-.05390	.03570
-3.869	3.851	1.39984	.35299	.32608	-.22922	-.21610	.13354	.07875	.07617	-.04968	.03541
	GRADIENT	-.00007	.03864	.03889	-.02861	-.02875	-.00109	-.00062	-.00167	.00112	-.00005

RUN NO. 558/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.753	1.39969	-.11635	-.14507	.12170	.13575	.14470	.08637	-.00287	.00156	.00142
-.001	-3.911	1.40009	.04285	.01485	-.00107	.01255	.13997	.08285	.00001	-.00077	.00241
-.000	-.043	1.39974	.20354	.17613	-.12142	-.10813	.13742	.08131	.00174	-.00205	.00316
.001	3.865	1.39953	.34072	.31376	-.22002	-.20699	.13434	.07903	.00377	-.00360	.00368
	GRADIENT	-.00007	.03830	.03844	-.02815	-.02823	-.00072	-.00049	.00048	-.00036	.00016

RUN NO. 559/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.900	-7.714	1.39914	-.11392	-.14451	.11853	.13341	.15914	.09670	-.13067	.09086	-.04074
3.876	-3.901	1.39954	.03929	.00951	.00130	.01573	.15494	.09398	-.11660	.07997	-.03713
3.821	-.014	1.40018	.19963	.17041	-.11810	-.10397	.15708	.09715	-.10414	.07148	-.03495
3.869	3.840	1.40017	.33374	.30518	-.21453	-.20070	.15250	.09400	-.09211	.06336	-.03250
	GRADIENT	.00008	.03804	.03820	-.02789	-.02796	-.00031	.00000	.00316	-.00215	.00060

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF

(RC0014) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = -5.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.961	-7.775	1.54947	-.08274	-.11233	.09576	.11019	.15140	.09117	.09725	-.06595	.03631
-3.947	-3.960	1.54962	.04203	.01298	-.00181	.01238	.14365	.08457	.09055	-.06053	.03338
-3.921	.003	1.54965	.19370	.16620	-.11887	-.10546	.13595	.07996	.08300	-.05502	.03291
-3.943	3.931	1.54905	.33451	.30823	-.22112	-.20928	.13048	.07708	.07403	-.04868	.03334
	GRADIENT	-.00007	.03706	.03742	-.02792	-.02809	-.00167	-.00095	-.00209	.00150	-.00001

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.660	1.54886	-.10389	-.13163	.11027	.12381	.14830	.09184	-.00327	.00210	.00106
.000	-3.811	1.54793	.02858	.00108	.00657	.01991	.14079	.08454	-.00084	.00001	.00159
-.000	.031	1.54912	.17830	.15057	-.10804	-.09461	.13646	.07969	.00125	-.00171	.00238
.002	3.925	1.54810	.32042	.29408	-.21153	-.19877	.13104	.07710	.00182	-.00207	.00278
	GRADIENT	.00002	.03772	.03787	-.02819	-.02826	-.00126	-.00096	.00034	-.00027	.00015

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.953	-7.796	1.54881	-.10463	-.13384	.11042	.12460	.16019	.10047	-.12465	.08704	-.03934
3.942	-3.967	1.54945	.02239	-.00705	.01083	.02509	.15045	.09014	-.10811	.07423	-.03413
3.917	.004	1.54938	.17903	.14915	-.10880	-.09437	.14693	.08556	-.09455	.06489	-.03108
3.942	3.914	1.54890	.31609	.28774	-.20876	-.19504	.14253	.08442	-.08523	.05862	-.03007
	GRADIENT	-.00007	.03727	.03741	-.02787	-.02794	-.00100	-.00073	.00290	-.00198	.00052

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(RC0015) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 619/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.007	-8.085	.59904	.01906	-.01568	-.00730	.05641	.01375	.09501	-.06309	.03020
-3.996	-4.010	.60031	.14131	-.10081	-.09390	.05262	.01620	.08986	-.06011	.03057
-3.995	.005	.60000	.26474	-.18640	-.18072	.04377	.01275	.08412	-.05631	.03120
-3.992	3.979	.59905	.38898	-.27304	-.26870	.02944	.00415	.07228	-.04819	.02982
	GRADIENT	-.00016	.03100	-.02156	-.02188	-.00290	-.00151	-.00220	.00149	-.00009

RUN NO. 620/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-7.912	.59937	-.00699	.00386	.01011	.05154	.01803	-.00672	.00482	-.00057
.001	-3.935	.59953	.10930	-.07649	-.07134	.04915	.02091	-.00439	.00323	-.00003
.000	.075	.60063	.23375	-.16195	-.15790	.04142	.01847	-.00267	.00203	.00066
.002	4.052	.60012	.35889	-.24919	-.24576	.02927	.00848	-.00147	.00141	.00120
	GRADIENT	.00007	.03125	-.02162	-.02184	-.00249	-.00155	.00037	-.00023	.00015

RUN NO. 621/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.088	.59974	.01103	-.01357	-.00577	.05407	.01415	-.10653	.07137	-.03106
3.994	-4.003	.60071	.13451	-.09917	-.09275	.05102	.01675	-.09393	.06373	-.02994
3.989	-.046	.60050	.25194	-.17984	-.17450	.04333	.01421	-.08113	.05555	-.02790
3.995	4.001	.59978	.37118	-.26245	-.25809	.02923	.00634	-.06655	.04573	-.02474
	GRADIENT	-.00012	.02957	-.02040	-.02066	-.00273	-.00130	.00342	-.00225	.00065

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2

(RC0016) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-8.106	.79833	.02851	.00890	-.02402	-.01530	.06139	.01833	.09459	-.06246	.03073
-3.996	-4.028	.80027	.15623	.14055	-.11290	-.10609	.05505	.01998	.08860	-.05864	.03101
-3.981	-.041	.80005	.28544	.27275	-.20268	-.19730	.04522	.01735	.08237	-.05462	.03180
-4.003	3.956	.80040	.42343	.41338	-.29954	-.29538	.03260	.00937	.07268	-.04809	.03186
	GRADIENT	.00002	.03347	.03417	-.02338	-.02371	-.00281	-.00133	-.00199	.00132	.00011

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.039	.79986	-.01555	-.03040	.00886	.01522	.05467	.02110	-.00713	-.00522	-.00023
-.001	-3.920	.80022	.11123	.09886	-.07912	-.07379	.05076	.02293	-.00524	.00400	.00017
-.000	-.015	.79970	.24169	.23138	-.16940	-.16502	.04349	.02008	-.00366	.00285	.00091
-.001	4.103	.79986	.38529	.37717	-.26990	-.26653	.03091	.01214	-.00252	.00203	.00175
	GRADIENT	-.00004	.03417	.03470	-.02378	-.02403	-.00248	-.00135	.00034	-.00024	.00020

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.994	-7.982	.80000	.01890	.00090	-.02092	-.01312	.05757	.01726	-.10730	.07160	-.03137
3.997	-4.045	.80066	.14251	.12759	-.10671	-.10034	.05209	.01833	-.09564	.06455	-.03088
3.986	-.044	.79985	.26928	.25656	-.19407	-.18861	.04507	.01639	-.08157	.05551	-.02877
4.008	3.934	.79954	.39949	.38926	-.28459	-.28022	.03257	.00940	-.06897	.04677	-.02595
	GRADIENT	-.00014	.03221	.03279	-.02229	-.02254	-.00245	-.00112	.00334	-.00223	.00062

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2 (RC0017) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	CN	626/ O	RN/L = 2.50	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-7.982	.89983	.01312		-.00583	-.01066	-.00220	.06989	.02839	.09386	-.06056	.03036
-3.998	-4.056	.90030	.14253		.12774	-.10163	-.09519	.06104	.02802	.08831	-.05748	.03063
-3.987	.020	.90002	.28948		.27743	-.20477	-.19952	.05152	.02462	.08220	-.05416	.03247
-3.998	3.995	.89986	.42943		.41986	-.30327	-.29918	.04282	.02116	.07545	-.04922	.03072
	GRADIENT	-.00005	.03564		.03629	-.02505	-.02534	-.00226	-.00085	-.00160	.00103	.00001

BETA	ALPHA	MACH	CN	627/ O	RN/L = 2.50	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.028	.89980	-.03833		-.05289	.02795	.03435	.06281	.03057	-.00593	.00379	.00011
.001	-4.401	.90058	.07797		.06584	-.04798	-.03046	.05732	.03046	-.00373	.00241	.00022
-.001	-3.941	.90024	.09373		.08195	-.06441	-.05922	.05614	.03010	-.00368	.00241	.00026
.000	.100	.89994	.24196		.23220	-.16851	-.16410	.04810	.02691	-.00183	.00104	.00092
.002	4.082	.89946	.38217		.37427	-.26633	-.26280	.04109	.02378	-.00185	.00162	.00230
	GRADIENT	-.00012	.03597		.03646	-.02519	-.02540	-.00191	-.00079	.00025	-.00012	.00024

BETA	ALPHA	MACH	CN	628/ O	RN/L = 2.50	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-7.983	.89940	-.00349		-.02153	.00355	.00442	.06555	.02570	-.10766	.06993	-.03105
3.992	-4.041	.90000	.12755		.11296	-.09488	-.08853	.05876	.02615	-.09403	.06176	-.03067
3.981	.010	.90038	.27151		.25949	-.19477	-.18958	.05406	.02712	-.08489	.05738	-.03036
3.995	4.001	.89987	.40254		.39262	-.28660	-.28235	.04256	.02020	-.06821	.04500	-.02381
	GRADIENT	-.00002	.03420		.03478	-.02384	-.02410	-.00201	-.00074	.00321	-.00208	.00085

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2 (RC0018) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 630/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.999	-7.976	.94734	-.00420	-.02238	.00533	.01353	.07753	.03800	.09497	-.06076	.03041
-3.999	-4.030	.95073	.13031	.11617	-.09027	-.08395	.06857	.03761	.08739	-.05574	.03056
-3.997	.005	.95104	.27682	.26542	-.19408	-.18890	.05913	.03450	.07872	-.05016	.03185
-3.996	3.991	.94973	.42166	.41286	-.29659	-.29257	.04897	.03007	.07186	-.04559	.03152
	GRADIENT	-.00012	.03632	.03699	-.02572	-.02601	-.00244	-.00094	-.00194	.00127	.00012

RUN NO. 631/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.040	.94910	-.05801	-.07313	.04600	.05296	.07272	.04034	.00732	.00503	-.00023
-.001	-4.029	.95110	.07739	.06578	-.05025	-.04498	.06464	.03955	-.00407	.00275	-.00014
-.000	.090	.95065	.22922	.22031	-.15813	-.15395	.05539	.03662	-.00187	.00097	.00143
-.001	3.974	.94955	.37640	.36972	-.26204	-.25882	.04598	.03219	-.00212	.00149	.00200
	GRADIENT	-.00019	.03736	.03797	-.02646	-.02672	-.00233	-.00092	.00025	-.00016	.00027

RUN NO. 632/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-7.984	.94934	-.02374	-.04091	.01481	.02249	.07407	.03654	.10926	.07053	-.03123
3.997	-4.028	.95039	.11267	.09860	-.08170	-.07542	.06679	.03599	-.09301	.05981	-.03086
3.985	.059	.95206	.26060	.24884	-.18548	-.18019	.06271	.03710	-.08459	.05601	-.03004
3.998	4.002	.94916	.39252	.38345	-.27782	-.27359	.05021	.03104	-.06772	.04325	-.02482
	GRADIENT	-.00015	.03486	.03548	-.02443	-.02468	-.00206	-.00061	.00314	-.00206	.00075

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2 (RC0019) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABDX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 633/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.997	-7.971	1.04929	-.02934	-.05061	.03402	.04386	1.0072	.05540	.09235	-.05720	.03317
-4.002	-4.073	1.05081	.11881	.10124	-.07127	-.06318	.09375	.05622	.08349	-.05052	.03316
-3.996	.012	1.05059	.28249	.26686	-.18900	-.18175	.08733	.05411	.07719	-.04624	.03494
-3.995	4.001	1.04977	.43391	.42003	-.29825	-.29177	.07825	.04887	.06793	-.04014	.03154
	GRADIENT	-.00013	.03903	.03949	-.02812	-.02832	-.00192	-.00091	-.00193	.00128	-.00020

RUN NO. 634/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.060	1.04943	-.07838	-.09566	.07187	.07998	.09645	.06010	-.00433	.00232	.00103
-.000	-4.050	1.04976	.07022	.05426	-.03379	-.02619	.09167	.05852	-.00024	-.00068	.00169
-.001	-.021	1.04993	.23999	.22482	-.15515	-.14793	.08678	.05523	.00219	-.00235	.00222
.001	3.974	1.04975	.39231	.38017	-.26534	-.25949	.07691	.05190	.00380	-.00358	.00394
	GRADIENT	-.00000	.04015	.04062	-.02886	-.02908	-.00184	-.00082	.00050	-.00036	.00028

RUN NO. 635/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.099	1.04918	-.05571	-.07631	.04892	.05868	.09863	.05565	-.10843	.06767	-.03421
3.994	-4.091	1.05010	.11401	.09614	-.07061	-.06212	.10871	.07153	-.10732	.06852	-.03631
3.994	.015	1.05043	.28153	.26539	-.18920	-.18148	.11259	.07918	-.09920	.06398	-.03537
4.005	4.042	1.04952	.41391	.40004	-.28387	-.27735	.09314	.06397	-.07346	.04524	-.02694
	GRADIENT	-.00007	.03689	.03738	-.02623	-.02647	-.00191	-.00092	.00416	-.00286	.00115

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(RC0020) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 637/ 0	RN/L = 2.50	GRADIENT INTERVAL = -5.00/ 5.00
BETA	ALPHA	MACH
-3.997	-8.091	1.09559
-4.003	-4.070	1.10228
-3.998	.005	1.10044
-3.995	3.992	1.10005
	GRADIENT	.03821
		.03855
		-.02779
		-.00159
		-.00084
		.06139
		.06547
		.06547
		.05813
		.10581
		.15386
		-.16299
		-.04550
		-.03585
		.08136
		.12055
		.06780
		.09540
		-.06083
		-.03585
		.03610
		.03709
		.03317
		-.00036

RUN NO. 647/ 0	RN/L = 2.50	GRADIENT INTERVAL = -5.00/ 5.00
BETA	ALPHA	MACH
-.003	-8.038	1.09824
.000	-4.744	1.10085
-.002	-3.993	1.09991
-.001	-.027	1.09972
.001	3.972	1.09972
	GRADIENT	-.00009
		.03981
		.36702
		.21330
		.04925
		.02233
		-.10167
		-.12325
		.00262
		.02957
		-.00995
		-.19415
		.12784
		-.11860
		-.23157
		-.24019
		-.02878
		-.02887
		-.00119
		.06463
		.06675
		.06978
		.07004
		.07089
		.07089
		.07004
		-.00255
		-.00167
		-.00031
		-.00163
		.00097
		.00334
		.00220
		-.00048
		-.00015

RUN NO. 639/ 0	RN/L = 2.50	GRADIENT INTERVAL = -5.00/ 5.00
BETA	ALPHA	MACH
3.998	-8.091	1.09788
4.001	-4.008	1.10293
3.991	-.002	1.10049
4.007	4.057	1.09956
	GRADIENT	-.00042
		.03687
		.39059
		.23475
		.07170
		-.10926
		.08130
		-.04553
		-.15148
		-.13983
		.09857
		.09152
		.07609
		.12911
		.13561
		.13983
		-.11260
		-.09193
		.06129
		-.03321
		-.00083

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(RC0021) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 640/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-8.077	1.14743	-.05098	-.06959	.05723	.06588	.11248	.07302	.09352	-.05969	-.03513
-4.002	-4.057	1.15075	.12148	.10567	-.06951	-.06210	.10675	.07345	.08622	-.05461	.03722
-3.997	.006	1.15067	.28053	.26591	-.18502	-.17814	.10380	.07313	.08096	-.05086	.03696
-3.996	3.995	1.14965	.41871	.40527	-.28398	-.27762	.09683	.06873	.07039	-.04303	.03321
	GRADIENT	-.00014	.03692	.03721	-.02664	-.02677	-.00123	-.00058	-.00196	.00144	-.00050

RUN NO. 641/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.052	1.14870	-.08962	-.10522	.08684	.09425	.10938	.07689	-.00584	.00374	.00061
.000	-4.044	1.15147	.07643	.06242	-.03426	-.02749	.10448	.07570	-.00152	.00055	.00149
-.001	-.013	1.15052	.24429	.23049	-.15598	-.14928	.10390	.07569	.00190	-.00214	.00243
.001	3.967	1.14962	.38520	.37259	-.25761	-.25141	.09822	.07274	.00374	-.00341	.00265
	GRADIENT	-.00023	.03855	.03873	-.02789	-.02796	-.00078	-.00037	.00066	-.00049	.00015

RUN NO. 642/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.076	1.14787	-.07077	-.08995	.06954	.07880	.12198	.08260	-.12178	.08055	-.03881
3.999	-4.007	1.15078	.11628	.09945	-.06554	-.05740	.13590	.10139	-.12696	.08653	-.04327
3.990	-.006	1.15041	.27060	.25499	-.17617	-.16857	.13837	.10655	-.11372	.07758	-.03994
4.009	4.056	1.15001	.40224	.38834	-.26992	-.26315	.12538	.09704	-.09053	.06017	-.03287
	GRADIENT	-.00010	.03546	.03582	-.02534	-.02551	-.00131	-.00054	.00452	-.00327	.00129

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2 (RC0022) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 644/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-7.930	1.24873	-.04269	-.05995	.05301	.06109	.11930	.08290	.09367	-.06015	.03679
-4.008	-4.025	1.25004	.12520	.10961	-.07292	-.06560	.11504	.08228	.08668	-.05513	.03692
-3.992	.009	1.24993	.28011	.26588	-.17947	-.18625	.11226	.08269	.08090	-.05111	.03678
-3.995	3.989	1.24984	.41642	.40356	-.28497	-.27875	.10761	.08123	.07458	-.04748	.03447
	GRADIENT	-.00003	.03635	.03669	-.02647	-.02660	-.00093	-.00013	-.00151	.00095	-.00030

RUN NO. 645/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.056	1.24957	-.08140	-.09594	.08206	.08901	.11443	.08430	-.00464	.00272	.00047
-.002	-4.049	1.25053	.09000	.07618	-.04607	-.03937	.11252	.08423	-.00086	-.00027	.00146
-.001	-.039	1.25021	.25301	.23950	-.16484	-.15825	.11225	.08479	.00261	-.00313	.00244
.001	3.969	1.24972	.39154	.37906	-.26394	-.25779	.10860	.08343	.00452	-.00433	.00297
	GRADIENT	-.00010	.03761	.03777	-.02717	-.02724	-.00049	-.00010	.00067	-.00051	.00019

RUN NO. 646/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.991	-8.075	1.24900	-.06600	-.08490	.06730	.07640	.13211	.09318	-.13059	.08844	-.04198
3.997	-4.072	1.25022	.10989	.09277	-.06276	-.05449	.13790	.10272	-.12352	.08375	-.04156
3.991	.011	1.25037	.27097	.25555	-.17911	-.17160	.14197	.11051	-.11158	.07568	-.03903
4.006	4.072	1.25005	.39826	.38494	-.26976	-.26320	.13101	.10411	-.09542	.06478	-.03441
	GRADIENT	-.00002	.03542	.03588	-.02542	-.02563	-.00084	.00017	.00345	-.00233	.00088

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.3

(RC0023) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.913	-7.752	1.24896	-.02477	-.03157	.03331	.03626	.09884	.08363	.08902	-.05633	.03452
-3.883	-3.966	1.24974	.13587	.12970	-.08653	-.08363	.09601	.08304	.08118	-.05068	.03441
-3.823	-.044	1.24951	.28339	.27829	-.19430	-.19167	.09377	.08392	.07449	-.04594	.03379
-3.881	3.874	1.25024	.41314	.40891	-.28720	-.28492	.08987	.08207	.06975	-.04334	.03192
GRADIENT	GRADIENT	.00006	.03537	.03562	-.02560	-.02568	-.00078	-.00012	-.00146	.00094	-.00032

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.810	1.24994	-.06066	-.06634	.06053	.06322	.09679	.08494	-.00390	.00228	.00057
-.002	-5.054	1.24959	.05319	.04775	-.02446	-.02174	.09533	.08450	-.00098	-.00004	.00155
-.001	-3.992	1.24980	.09889	.09359	-.05814	-.05545	.09498	.08457	.00005	-.00087	.00177
-.000	-.081	1.24967	.25748	.25232	-.17377	-.17110	.09471	.08475	.00299	-.00334	.00272
-.002	3.806	1.24985	.38686	.38286	-.26568	-.26355	.09057	.08306	.00503	-.00476	.00355
GRADIENT	GRADIENT	.00001	.03693	.03710	-.02662	-.02669	-.00057	-.00019	.00064	-.00050	.00023

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.911	-7.815	1.25028	-.04285	-.05095	.04225	.04616	.10631	.08964	-.11480	.07566	-.03767
3.870	-3.929	1.24974	.12232	.11560	-.07784	-.07452	.11622	.10269	-.11271	.07504	-.03821
3.821	-.051	1.25040	.26866	.26355	-.18356	-.18101	.11706	.10690	-.09932	.06569	-.03489
3.884	3.839	1.24948	.39212	.38763	-.27163	-.26938	.10632	.09740	-.08563	.05687	-.03099
GRADIENT	GRADIENT	-.00003	.03473	.03502	-.02494	-.02508	-.00128	-.00068	.00348	-.00234	.00093

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RRM + S1,3 (RC0024) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABDX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 476/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.918	-7.746	1.29984	-.02476	-.03246	.03348	.03686	.10277	.08568	.09413	-.06143	.03559
-3.884	-3.963	1.29955	.13467	.12755	-.08682	-.08341	.09939	.08464	.08328	-.05292	.03441
-3.819	-.037	1.29903	.28581	.27980	-.19806	-.19498	.09731	.08563	.07666	-.04816	.03394
-3.870	3.822	1.29996	.40799	.40269	-.28464	-.28183	.09423	.08428	.06991	-.04377	.03208
	GRADIENT	.00005	.03512	.03535	-.02542	-.02549	-.00066	-.00004	-.00172	.00118	-.00030

RUN NO. 477/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.770	1.29989	-.05942	-.06604	.05932	.06251	.10161	.08798	-.00489	.00333	.00031
-.001	-3.984	1.30015	.10021	.09400	-.06047	-.05729	.09941	.08735	-.00209	.00108	.00165
-.001	-.043	1.30019	.25480	.24888	-.17371	-.17059	.09882	.08762	.00138	-.00183	.00249
.001	3.847	1.29952	.38318	.37812	-.26464	-.26198	.09515	.08555	.00355	-.00346	.00308
	GRADIENT	-.00008	.03614	.03628	-.02608	-.02614	-.00054	-.00023	.00072	-.00058	.00018

RUN NO. 478/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.912	-7.771	1.29961	-.04695	-.05650	.04733	.05202	.11687	.09756	-.12953	.08862	-.04031
3.887	-3.965	1.29975	.11127	.10350	-.06986	-.06597	.12082	.10537	-.11978	.08131	-.03877
3.823	-.049	1.29944	.26268	.25650	-.18004	-.17693	.12317	.11096	-.10692	.07226	-.03589
3.886	3.861	1.29943	.38857	.38314	-.26911	-.26635	.11633	.10570	-.09467	.06423	-.03290
	GRADIENT	-.00004	.03543	.03573	-.02546	-.02561	-.00057	.00004	.00321	-.00218	.00075

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.3

(RC0025) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 482/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.914	-7.751	1.34965	-.02944	-.03721	.04105	.10570	.08866	.08866	.09357	-.06131	.03467
-3.882	-3.957	1.34968	.12377	.11616	-.07555	.10298	.08718	.08718	.08297	-.05297	.03317
-3.822	-.040	1.34968	.27514	.26889	-.18834	.09987	.08774	.08774	.07552	-.04725	.03288
-3.866	3.826	1.35009	.40357	.39808	-.28264	.09716	.08678	.08678	.07127	-.04525	.03258
	GRADIENT	.00005	.03595	.03623	-.02615	-.02624	-.00075	-.00005	-.00150	.00099	-.00008

RUN NO. 483/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.782	1.35008	-.06319	-.07013	.06224	.05557	.10508	.09070	-.00326	.00215	.00055
-.001	-3.921	1.34986	.09799	.09140	-.05970	.10208	.08936	.08936	-.00049	-.00006	.00188
-.001	-.044	1.35025	.24854	.24211	-.17019	.10136	.08923	.08923	.00213	-.00237	.00261
.001	3.807	1.35003	.37593	.37075	-.26010	-.25738	.09836	.08856	.00413	-.00396	.00326
	GRADIENT	.00002	.03597	.03615	-.02593	-.02602	-.00048	-.00010	.00060	-.00050	.00018

RUN NO. 485/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.902	-7.781	1.34932	-.05174	-.06156	.05128	.05607	.11870	.09870	-.12616	.08617	-.03922
3.886	-3.958	1.34994	.10561	.09739	-.06709	.11867	.10216	.10216	-.11335	.07631	-.03651
3.821	-.044	1.35008	.25568	.24912	-.17694	.12080	.10775	.10775	-.10080	.06778	-.03381
3.889	3.882	1.34999	.38166	.37586	-.26537	-.26242	.11721	.10586	-.08857	.05957	-.03098
	GRADIENT	.00001	.03521	.03552	-.02529	-.02543	-.00019	.00047	.00316	-.00213	.00070

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3

(RC0026) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 489/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
- .000	-1.097	1.39992	.21028	.20331	-.14403	-.14038	.10351	.09030	-.00290	-.00291	.00330
-3.909	-7.739	1.39998	-.03274	-.04028	.04064	.04403	.10852	.09209	.09405	-.06216	.03448
-3.879	-3.951	1.39942	.11310	.10526	-.07105	-.06730	.10539	.08914	.08524	-.05526	.03291
-3.821	-.037	1.39999	.26625	.25987	-.18613	-.18288	.10111	.08863	.07871	-.05042	.03320
-3.873	3.836	1.39938	.39647	.39003	-.27828	-.27492	.09930	.08701	.07136	-.04545	.03280
	GRADIENT	-.00000	.03640	.03658	-.02662	-.02667	-.00078	-.00027	-.00178	.00126	-.00001

RUN NO. 490/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
- .002	-7.842	1.39992	-.06615	-.07367	.06511	.06874	.10851	.09304	-.00150	.00029	.00127
- .002	-4.751	1.40005	.05610	.04872	-.02873	-.02498	.10515	.09068	.00050	-.00133	.00221
- .001	-3.983	1.39979	.08944	.08213	-.05401	-.05027	.10476	.09058	.00112	-.00182	.00239
- .000	-.079	1.40003	.24309	.23582	-.16764	-.16386	.10394	.08998	.00252	-.00288	.00314
.001	3.816	1.39962	.37143	.36521	-.25811	-.25487	.10091	.08901	.00392	-.00391	.00344
	GRADIENT	-.00003	.03689	.03701	-.02685	-.02690	-.00047	-.00019	.00038	-.00029	.00015

RUN NO. 492/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.905	-7.754	1.39981	-.05251	-.06199	.05053	.05514	.11450	.09515	-.11793	.07995	-.03692
3.885	-3.953	1.39990	.09681	.08833	-.06275	-.05857	.11185	.09476	-.10413	.06909	-.03339
3.825	-.033	1.39959	.25050	.24362	-.17642	-.17298	.11380	.10012	-.09242	.06111	-.03144
3.874	3.829	1.39955	.37477	.36836	-.26315	-.25991	.11197	.09937	-.08021	.05287	-.02893
	GRADIENT	-.00005	.03572	.03599	-.02576	-.02588	.00002	.00059	.00307	-.00208	.00057

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + 51.3

(RC0027) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 541/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.913	-7.780	1.39933	-.05602	-.06326	.06181	.06500	.10935	.09333	.09288	-.06111	.03498
-3.882	-3.930	1.39999	.09048	.08338	-.05082	-.04745	.10469	.08991	.08400	-.05402	.03268
-3.821	-.026	1.40021	-.24650	-.24085	-.16867	-.16581	.09985	.08878	.07732	-.04898	.03278
-3.869	3.845	1.39979	.37862	.37280	-.26247	-.25944	.09777	.08662	.06980	-.04395	.03233
	GRADIENT	-.00003	.03706	.03723	-.02722	-.02727	-.00089	-.00042	-.00183	.00130	-.00004

RUN NO. 542/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-7.769	1.39978	-.08451	-.09182	.08254	.08608	.10921	.09426	-.00425	.00237	.00086
-.002	-3.957	1.40001	.07316	.06639	-.03903	-.03554	.10397	.09087	-.00077	-.00032	.00201
-.000	-.080	1.39964	.22652	.22008	-.15276	-.14942	.10181	.08946	.00079	-.00151	.00283
.001	3.829	1.39998	.35572	.34998	-.24372	-.24076	.09970	.08864	.00263	-.00290	.00322
	GRADIENT	-.00000	.03629	.03642	-.02629	-.02635	-.00055	-.00029	.00044	-.00033	.00016

RUN NO. 543/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.903	-7.736	1.39982	-.07082	-.07973	.06780	.07206	.11357	.09511	-.11623	.07833	-.03648
3.885	-3.948	1.40007	.07818	.07033	-.04578	-.04194	.11045	.09452	-.10292	.06797	-.03319
3.820	-.037	1.40016	.23328	.22690	-.16078	-.15758	.11129	.09859	-.09062	.05946	-.03099
3.869	3.836	1.40006	.35725	.35148	-.24767	-.24478	.10843	.09700	-.07820	.05105	-.02845
	GRADIENT	-.00000	.03586	.03613	-.02594	-.02607	-.00026	.00032	.00317	-.00217	.00061

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3

(RC0028) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 545/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.962	-7.796	1.54820	-.05058	-.05785	.05686	.06014	.11422	.09843	.09475	-.06355	.03445
-3.955	-3.993	1.54865	.07492	.06725	-.04118	-.03740	.10703	.09158	.08745	-.05761	.03130
-3.920	-.015	1.54981	.21756	.21156	-.15001	-.14690	.10021	.08868	.07854	-.05113	.03067
-3.940	3.920	1.54871	.35195	.34559	-.24740	-.24405	.09658	.08454	.07022	-.04528	.03158
	GRADIENT	.00001	.03501	.03518	-.02606	-.02612	-.00132	-.00089	-.00218	.00156	.00004

RUN NO. 546/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.730	1.54929	-.08081	-.08842	.07942	.08306	.11537	.09963	-.00465	.00301	.00045
-.001	-3.849	1.54949	.05183	.04528	-.02497	-.02159	.10619	.09359	-.00159	.00048	.00105
.000	.046	1.54950	.19869	.19154	-.13606	-.13236	.10280	.08906	-.00021	-.00070	.00181
.001	3.940	1.54863	.33319	.32673	-.23223	-.22889	.09918	.08674	.00086	-.00136	.00249
	GRADIENT	-.00011	.03612	.03613	-.02661	-.02661	-.00090	-.00088	.00031	-.00024	.00018

RUN NO. 547/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.955	-7.807	1.54938	-.07199	-.08021	.06948	.07343	.11843	.10150	-.11254	.07653	-.03586
3.936	-3.969	1.54907	.05574	.04756	-.03066	-.02670	.10820	.09143	-.09707	.06460	-.03096
3.921	-.018	1.54996	.20262	.19534	-.14235	-.13878	.10441	.08964	-.08474	.05623	-.02833
3.944	3.917	1.54854	.33344	.32637	-.23507	-.23157	.10341	.08921	-.07568	.05021	-.02738
	GRADIENT	-.00007	.03521	.03535	-.02592	-.02598	-.00061	-.00028	.00271	-.00183	.00045

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0029) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 689/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.004	-8.097	.60140	-.01368	-.03897	.01342	.02607	.06568	.01545	.09396	-.06211	.03099
-3.997	-4.006	.60081	-.11440	-.08944	-.07602	-.06355	.06514	.01544	.08814	-.05855	.03100
-3.993	.002	.60042	.24101	.21735	-.16387	-.15205	.05951	.01240	.08406	-.05628	.03189
-3.999	3.992	.59946	.37059	.34739	-.25401	-.24242	.04875	.00253	.07361	-.04940	.03074
	GRADIENT	-.00017	.03203	.03225	-.02225	-.02236	-.00205	-.00161	-.00182	.00114	-.00003

RUN NO. 690/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.016	.59885	-.03593	-.06003	.03015	.04218	.06320	.01515	-.00733	.00531	-.00022
-.001	-3.931	.59977	.08508	.06250	-.05371	-.04245	.06331	.01829	-.00459	.00335	.00045
.001	.067	.60103	-.21171	.19006	-.14068	-.12986	.05846	.01532	-.00358	.00273	.00084
.003	4.044	.60053	.34097	.32003	-.23040	-.21995	.04807	.00630	-.00246	.00212	.00147
	GRADIENT	.00010	.03209	.03229	-.02216	-.02226	-.00191	-.00150	.00027	-.00015	.00013

RUN NO. 691/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.044	.59925	-.02108	-.04733	.01561	.02878	.06513	.01311	-.10729	.07197	-.03150
3.997	-4.007	.60110	.10597	.08132	-.07273	-.06040	.06488	.01588	-.09439	.06393	-.03007
3.994	-.036	.60055	.22761	.20411	-.15682	-.14506	.05898	.01224	-.08213	.05622	-.02811
3.998	3.976	.60007	.35235	.32967	-.24317	-.23180	.04820	.00320	-.06880	.04750	-.02515
	GRADIENT	-.00013	.03086	.03111	-.02135	-.02147	-.00209	-.00159	.00321	-.00206	.00062

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RCD030) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 693/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.995	-7.984	.79890	-.00844	-.03576	.01068	.02424	.07482	.02006	.09717	-.06437	.03297
-4.000	-4.038	.80032	.12351	.09794	-.08244	-.06980	.07137	.01996	.09137	-.06069	.03301
-3.986	-.039	.80015	.25949	.23523	-.17737	-.16538	.06454	.01574	.08542	-.05713	.03379
-3.996	3.995	.79964	.40954	.38591	-.28288	-.27126	.05439	.00663	.07642	-.05146	.03393
	GRADIENT	-.00008	.03561	.03585	-.02495	-.02508	-.00211	-.00166	-.00186	.00115	.00011

RUN NO. 694/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.033	.80013	-.04755	-.07299	.03969	.05228	.07139	.02029	-.00660	.00455	.00049
.001	-4.031	.79996	.08071	.05636	-.05007	-.03802	.06949	.02055	-.00510	.00370	.00065
.001	.106	.79991	.22544	.20250	-.15077	-.13940	.06343	.01743	-.00363	.00275	.00120
-.001	4.095	.79923	.37092	.34911	-.25297	-.24211	.05294	.00936	-.00280	.00231	.00210
	GRADIENT	-.00009	.03571	.03602	-.02496	-.02511	-.00203	-.00137	.00028	-.00017	.00018

RUN NO. 695/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.007	.79982	-.02300	-.05068	.01752	.03127	.07315	.01771	-.11021	.07387	-.03282
3.997	-4.044	.80033	.10887	.08301	-.07504	-.06223	.07017	.01827	-.09770	.06628	-.03199
3.980	-.029	.80016	.24354	.21975	-.16901	-.15720	.06416	.01649	-.08670	.05971	-.03064
3.996	3.991	.79997	.38251	.35892	-.26531	-.25359	.05581	.00861	-.07343	.05059	-.02762
	GRADIENT	-.00004	.03406	.03434	-.02368	-.02382	-.00179	-.00120	.00302	-.00195	.00054

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0031) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.110	.89974	-.04572	-.07495	.04489	.05931	.09167	.03283	.09672	-.06243	.03226
-3.998	-4.063	.90028	.09962	.07260	-.05940	-.04609	.08484	.03032	.09160	-.06012	.03298
-3.997	-.003	.90003	.25345	.22787	-.16931	-.15673	.07670	.02498	.08578	-.05696	.03484
-3.994	3.987	.89990	.40622	.38176	-.27807	-.26600	.07021	.02093	.07750	-.05101	.03409
GRADIENT		-.00005	.03808	.03840	-.02716	-.02732	-.00182	-.00117	-.00175	.00113	.00014

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.029	.90008	-.08922	-.11676	.07831	.09191	.08774	.03233	-.00646	.00415	.00019
.001	-4.518	.90034	.03435	.00859	-.01006	.00266	.08287	.03101	-.00390	.00224	.00037
.001	-3.909	.89985	.05541	.02987	-.02533	-.01271	.08150	.03011	-.00374	.00219	.00028
.000	.103	.89968	.20832	.18461	-.13462	-.12292	.07464	.02687	-.00212	.00120	.00119
-.001	4.092	.89939	.36216	.33980	-.24405	-.23300	.06745	.02249	-.00222	.00173	.00266
GRADIENT		-.00009	.03815	.03855	-.02723	-.02742	-.00177	-.00096	.00021	-.00008	.00027

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.990	-7.954	.89988	-.05757	-.08753	.04945	.06412	.09125	.03047	-.11172	.07357	-.03344
3.998	-4.033	.89991	.08493	.05797	-.05274	-.03940	.08420	.03005	-.09871	.06582	-.03293
3.985	.040	.90010	.24076	.21572	-.16311	-.15074	.08190	.03156	-.09108	.06214	-.03203
3.998	3.996	.89956	.37938	.35491	-.26144	-.24935	.07078	.02156	-.07359	.04948	-.02650
GRADIENT		-.00004	.03669	.03700	-.02600	-.02616	-.00167	-.00105	.00312	-.00203	.00080

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0032) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.999	-7.981	.94848	-.06068	-.09151	.06252	.07770	.10885	.04663	.09742	-.06297	.03271
-3.997	-4.043	.94957	.08515	.05586	-.04299	-.02871	.10263	.04300	.09103	-.05883	.03280
-3.996	.000	.95062	.24069	.21318	-.15531	-.14191	.09432	.03829	.08167	-.05220	.03343
-3.993	4.003	.94872	.40464	.37817	-.27419	-.26126	.08619	.03236	.07378	-.04743	.03364
	GRADIENT	-.00010	.03971	.04006	-.02873	-.02890	-.00204	-.00132	-.00214	-.00142	.00010

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-8.031	.95034	-.10805	-.13739	.09909	.11345	.10644	.04691	-.00688	.00427	.00040
-.001	-4.034	.95016	.03663	.00921	-.00592	.00749	.09970	.04403	-.00370	.00203	.00058
-.000	.081	.95029	.19243	.16670	-.11838	-.10581	.09141	.03913	-.00030	-.00050	.00153
.002	3.977	.94852	.35226	.32777	-.23421	-.22221	.08230	.03268	.00054	-.00113	.00298
	GRADIENT	-.00020	.03938	.03975	-.02848	-.02866	-.00217	-.00142	.00053	-.00040	.00030

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.992	-7.936	.94976	-.07821	-.11016	.07146	.08700	.10956	.04437	-.11479	.07546	-.03438
3.997	-4.041	.95000	.06635	.03611	-.03230	-.01754	.10623	.04470	-.10290	.06797	-.03388
3.984	.083	.95122	.22982	.20176	-.14901	-.13532	.10467	.04756	-.09136	.06109	-.03187
3.998	3.998	.94875	.37279	.34657	-.25303	-.24011	.08885	.03598	-.07428	.04896	-.02678
	GRADIENT	-.00015	.03813	.03863	-.02746	-.02769	-.00215	-.00107	.00355	-.00236	.00088

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0033) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.997	-8.100	1.04694	-.09639	-.13087	.10146	.11839	.13097	.06119	.09707	-.06221	.03749
-3.998	-4.067	1.05194	.06914	.03518	-.01865	-.00226	.12538	.05559	.09023	-.05726	.03812
-4.000	.004	1.05033	.23712	.20487	-.14029	-.12480	.12034	.05378	.08394	-.05277	.03960
-4.002	4.046	1.04974	.39442	.36351	-.25471	-.23995	.11184	.04773	.07365	-.04579	.03571
	GRADIENT	-.00027	.04009	.04047	-.02910	-.02930	-.00167	-.00097	-.00204	.00141	-.00030

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-8.041	1.04966	-.12410	-.15732	.12188	.13811	.12820	.06064	-.00443	.00254	.00126
-.001	-4.038	1.05110	.03412	.00254	.00773	.02302	.12211	.05741	-.00065	-.00034	.00187
-.000	-.031	1.05049	.19936	.16901	-.11119	-.09652	.11757	.05528	.00228	-.00238	.00248
-.001	3.976	1.04941	.35386	.32431	-.22245	-.20815	.11167	.05112	.00486	-.00436	.00338
	GRADIENT	-.00021	.03990	.04015	-.02872	-.02885	-.00130	-.00079	.00069	-.00050	.00019

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-8.024	1.04955	-.10836	-.14531	.10913	.12689	.14704	.07082	-.13752	.09320	.04313
4.001	-4.073	1.05167	.07033	.03558	-.01907	-.00231	.15699	.08552	-.13588	.09324	.04482
3.995	.015	1.05073	.24542	.21268	-.14512	-.12929	.16149	.09437	-.12589	.08802	.04377
4.006	4.070	1.04946	.38411	.35360	-.24461	-.22979	.14480	.08249	-.09793	.06596	.03466
	GRADIENT	-.00027	.03854	.03906	-.02770	-.02794	-.00149	-.00037	.00466	-.00335	.00125

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0034) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABDX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 709/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.097	1.09825	.11586	.15651	.12493	.14475	.15004	.06730	.09755	-.06297	.03817
-3.999	-4.092	1.10069	.04434	.00566	.00806	.02680	.14415	.06493	.09090	-.05836	.03889
-3.997	.002	1.10007	.21370	.17684	-.11579	-.09798	.13841	.06272	.08475	-.05443	.04046
-4.003	4.046	1.09984	.36975	.33549	-.23125	-.21481	.12864	.05792	.07549	-.04873	.03707
	GRADIENT	-.00010	.03999	.04053	-.02941	-.02969	-.00191	-.00086	-.00189	.00118	-.00022

RUN NO. 710/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.052	1.09977	-.14621	-.18487	.14710	.16589	.14735	.06845	-.00612	.00371	.00050
-.001	-4.747	1.10062	-.01634	-.05326	.05291	.07080	.14275	.06716	-.00414	.00231	.00059
-.001	-4.031	1.10002	.01145	-.02512	.03262	.05031	.14056	.06554	-.00321	.00155	.00083
-.000	.022	1.09973	.18277	.14732	-.09189	-.07483	.13671	.06370	.00015	-.00074	.00146
-.001	3.969	1.09937	.33533	.30063	-.20359	-.18694	.13186	.06020	.00280	-.00271	.00234
	GRADIENT	-.00012	.04058	.04083	-.02958	-.02972	-.00118	-.00073	.00079	-.00056	.00019

RUN NO. 711/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.017	1.09938	-.12952	-.17203	.13442	.15504	.16984	.08289	-.14028	.09667	.04375
3.999	-4.058	1.10113	.04871	.01023	.00419	.02295	.17516	.09680	-.14017	.09805	.04594
3.991	.013	1.09997	.22417	.18745	-.12348	-.10557	.17956	.10482	-.13491	.09591	.04617
4.001	4.049	1.09976	.36317	.32867	-.22452	-.20766	.16682	.09670	-.11422	.08110	.04009
	GRADIENT	-.00017	.03879	.03928	-.02822	-.02845	-.00102	-.00001	.00320	-.00209	.00072

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0035) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 712/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.995	-8.109	1.14863	-.09775	-.13179	.10789	.12449	.14149	.07221	.09553	-.06144	.03790
-4.014	-3.951	1.15025	.07863	.04580	-.02178	-.00584	.13828	.07120	.08631	-.05560	.03939
-4.002	-.010	1.15002	.24137	.20943	-.12534	-.12534	.13624	.07079	.07899	-.05121	.03810
-3.985	3.994	1.15008	.38874	.35806	-.24828	-.23350	.12973	.06656	.07000	-.04523	.03513
	GRADIENT	-.00002	.03902	.03929	-.02850	-.02865	-.00108	-.00058	-.00205	.00131	-.00054

RUN NO. 713/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.054	1.15071	-.13138	-.16377	.13314	.14893	.13960	.07361	-.00227	.00158	.00197
.000	-4.050	1.15025	.03938	.00804	.00786	.02305	.13551	.07137	.00001	-.00028	.00239
-.001	-.035	1.15054	.20636	.17576	-.11438	-.09964	.13415	.07117	.00287	-.00228	.00315
.001	3.967	1.14941	.35581	.32558	-.22342	-.20897	.13083	.06820	.00436	-.00347	.00322
	GRADIENT	-.00010	.03947	.03961	-.02885	-.02894	-.00058	-.00040	.00054	-.00043	.00010

RUN NO. 714/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.993	-8.026	1.14983	-.11555	-.15168	.12179	.13932	.16380	.08994	-.13963	.09601	-.04393
3.999	-4.101	1.15064	.06943	.03599	-.01435	.00194	.17367	.10553	-.14419	.10174	-.04796
3.996	.014	1.15079	.23433	.20210	-.13402	-.11830	.17619	.11055	-.13190	.09365	-.04505
4.001	4.076	1.15045	.37759	.34710	-.23828	-.22335	.16521	.10336	-.11183	.07935	-.03962
	GRADIENT	-.00002	.03769	.03805	-.02739	-.02756	-.00103	-.00026	.00396	-.00274	.00102

IA613A(AEDC 16TF-829) B/L 0T + ASRM, PLUMES OFF

(RC0036) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-7.950	1.24977	-.07287	-.10312	.08718	.10202	.14163	.08038	.09725	-.06341	-.03961
-3.998	-4.016	1.25006	.09069	.06085	-.03458	-.02001	.14047	.07978	-.08727	-.05655	-.03832
-3.993	-.005	1.24954	.25327	.15396	-.13977	-.13962	.13962	.08001	.07984	-.05219	.03714
-3.999	4.098	1.24978	.39736	.36958	-.25903	-.24554	.13468	.07789	.07242	-.04771	.03507
	GRADIENT	-.00003	.03779	.03804	-.02765	-.02779	-.00072	-.00023	-.00183	.00109	-.00040

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.088	1.25029	-.11134	-.14065	.11684	.13118	.13985	.08037	-.00058	.00015	.00220
.000	-4.058	1.25062	.05589	.02724	-.00851	.00544	.13860	.08018	.00241	-.00219	.00309
-.001	-.021	1.24932	.22523	.19727	-.13270	-.11919	.13739	.08003	.00458	-.00413	.00361
-.002	3.962	1.25022	.36379	.33648	-.23311	-.21997	.13430	.07803	.00625	-.00529	.00394
	GRADIENT	-.00005	.03840	.03857	-.02801	-.02811	-.00054	-.00027	.00048	-.00039	.00011

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.000	-8.064	1.24976	-.10155	-.13480	.10906	.12530	.16492	.09733	-.14210	.09847	-.04525
4.004	-4.025	1.25022	.07281	.04117	-.02043	-.00499	.16998	.10557	-.13445	.09349	-.04440
3.996	.006	1.25048	.23699	.20763	-.14116	-.12680	.17081	.11120	-.12302	.08579	-.04210
3.996	3.982	1.24936	.36828	.33916	-.23506	-.22090	.16531	.10591	-.10768	.07601	-.03808
	GRADIENT	-.00011	.03691	.03723	-.02681	-.02697	-.00058	.00005	.00334	-.00218	.00079

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0037) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1449/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.996	-7.992	1.24925	-.08568	.09907	.11397	.14126	.08012	.10072	-.06566	.04086
-4.010	-3.922	1.25043	.08335	-.02795	-.01362	.13890	.07914	.09076	-.05880	.04004
-4.004	-.009	1.24997	.24456	-.14644	-.13243	.13802	.07921	.08304	-.05425	.03869
-3.995	4.008	1.24999	.38573	-.24977	-.23642	.13277	.07647	.07461	-.04907	.03614
	GRADIENT	-.00005	.03812	-.02796	-.02809	-.00078	-.00034	-.00204	.00123	-.00049

RUN NO. 1450/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.084	1.24949	-.12156	.12563	.13984	.13876	.07986	-.00001	-.00023	.00245
-.002	-5.129	1.25045	-.00062	-.02928	.04916	.13812	.07973	.00199	-.00177	.00317
.000	-3.995	1.25018	.04936	.02098	.01190	.13744	.07952	.00301	-.00260	.00340
-.001	-.042	1.24997	.21217	-.12212	-.10884	.13514	.07877	.00516	-.00444	.00398
-.002	3.992	1.24976	.35474	-.22535	-.21236	.13269	.07688	.00732	-.00601	.00460
	GRADIENT	-.00005	.03822	-.02797	-.02807	-.00059	-.00033	-.00054	-.00043	.00015

RUN NO. 1451/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.028	1.24963	-.10923	.11509	.13107	.15831	.09177	-.12707	.08657	-.04186
4.002	-4.013	1.25004	.06181	-.03077	.00343	.16284	.09966	-.11921	.08137	-.04108
3.995	.026	1.25013	.22508	-.13175	-.11774	.16361	.10528	-.10548	.07267	-.03835
4.004	4.077	1.24967	.36084	-.22948	-.21557	.15765	.09921	-.09355	.06473	-.03521
	GRADIENT	-.00005	.03696	-.02692	-.02707	-.00064	-.00006	.00317	-.00206	.00073

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0038) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1453/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.996	-8.050	1.29971	-.08225	-.11186	.09481	.10936	.14213	.08225	.10321	-.06822	-.04077
-4.007	-3.922	1.30006	.08731	.05882	-.03353	-.01961	.13916	.08128	.09102	-.05919	.03933
-4.003	-.012	1.29967	.24614	.21800	-.15064	-.13698	.13861	.08112	.08163	-.05277	.03768
-4.000	3.996	1.29996	.38352	.35648	-.25057	-.23746	.13442	.07910	.07354	-.04801	.03583
	GRADIENT	-.00001	.03740	.03758	-.02740	-.02750	-.00060	-.00028	-.00221	.00141	-.00044

RUN NO. 1454/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.090	1.30024	-.11325	-.14166	.11754	.13142	.14031	.08254	-.00068	.00052	-.00210
.000	-4.067	1.30022	.05216	.02413	-.00701	.00662	.13865	.08138	.00045	-.00034	.00306
-.000	-.045	1.29983	.21816	.19093	-.12991	-.11675	.13679	.08090	.00354	-.00299	.00370
-.002	3.989	1.29995	.35694	.33016	-.23000	-.21713	.13483	.07964	.00541	-.00436	.00403
	GRADIENT	-.00003	.03783	.03798	-.02768	-.02777	-.00047	-.00022	.00062	-.00050	.00012

RUN NO. 1455/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.000	-8.036	1.29898	-.10728	-.13964	.11231	.12809	.15587	.09000	-.12364	.08463	-.04046
4.002	-4.019	1.30005	.05908	.02810	-.01242	.00263	.15787	.09460	-.11379	.07738	-.03886
3.996	.008	1.29998	.22400	.19625	-.13520	-.12169	.15673	.10018	-.10200	.06927	-.03656
4.000	3.980	1.29954	.35563	.32727	-.22880	-.21503	.15435	.09635	-.08969	.06151	-.03398
	GRADIENT	-.00006	.03708	.03741	-.02706	-.02722	-.00044	.00022	.00301	-.00198	.00061

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0039) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1457/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-7.969	1.34985	-.07584	-.10561	.09005	.10475	.14556	.08563	.10493	-.06975	.04036
-4.014	-3.925	1.35018	.08116	.05303	-.03035	-.01656	.14056	.08354	.09165	-.05955	.03838
-4.005	-.052	1.34971	-.24059	.21281	-.14867	-.13515	.13893	.08228	.08071	-.05193	.03678
-3.998	4.000	1.34963	.38031	.35361	-.24956	-.23657	.13549	.08102	.07362	-.04837	.03489
	GRADIENT	-.00007	.03772	.03790	-.02764	-.02774	-.00064	-.00032	-.00327	.00141	-.00044

RUN NO. 1458/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.089	1.34971	-.10987	-.13776	.11431	.12794	.14288	.08624	.00022	-.00004	.00228
-.002	-4.073	1.35020	.05469	.02764	-.01121	.00196	.13878	.08365	.00328	-.00174	.00323
-.000	-.018	1.34911	.21939	.19266	-.13275	-.11982	.13792	.08313	.00431	-.00363	.00377
-.002	3.952	1.34948	.35498	.32837	-.23040	-.21758	.13675	.08201	.00598	-.00494	.00420
	GRADIENT	-.00009	.03743	.03749	-.02732	-.02737	-.00025	-.00020	.00046	-.00040	.00012

RUN NO. 1459/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-7.899	1.34946	-.10052	-.13214	.10628	.12169	.15419	.08977	-.12042	.08241	-.03923
3.999	-4.099	1.35004	.05247	.02181	-.00944	.00542	.15469	.09193	-.10969	.07425	-.03715
4.000	.019	1.35000	.21585	.18621	-.13052	-.11614	.15578	.09514	-.09688	.06552	-.03454
3.999	3.985	1.34940	.34985	.32184	-.22682	-.21319	.15078	.09366	-.08517	.05805	-.03211
	GRADIENT	-.00008	.03680	.03713	-.02691	-.02706	-.00048	.00022	.00303	-.00200	.00062

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0040) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1460/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.995	-8.026	1.39968	-.07307	-.10306	.08758	.10232	.14808	.08746	.10537	-.07097	-.03986
-4.015	-3.923	1.39973	.07784	.04984	-.02368	-.01595	.14168	.08497	.09211	-.06058	.03697
-4.007	-.020	1.40022	.23936	.21196	-.13644	-.13981	.13981	.08408	.08069	-.05240	.03568
-3.998	4.003	1.39984	.37719	.35072	-.24952	-.23661	.13634	.08248	.07269	-.04767	.03445
	GRADIENT	.00001	.03775	.03794	-.02772	-.02782	-.00067	-.00032	-.00245	.00163	-.00032

RUN NO. 1461/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-0.003	-8.089	1.39975	-.10861	-.13636	.11325	.12683	.14512	.08878	.00187	-.00176	.00261
-.002	-4.805	1.40008	.01950	-.00813	.01452	.02797	.14188	.08554	.00330	-.00291	.00361
.000	-4.041	1.39978	.05142	.02404	-.01002	.00330	.14086	.08501	.00383	-.00337	.00361
-.001	-.052	1.40000	.21470	.18788	-.13198	-.11896	.13935	.08453	.00486	-.00417	.00417
-.002	3.941	1.39966	.35306	.32661	-.23160	-.21881	.13703	.08278	.00591	-.00506	.00440
	GRADIENT	-.00003	.03832	.03845	-.02828	-.02835	-.00052	-.00029	.00028	-.00023	.00010

RUN NO. 1462/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.993	-8.034	1.39977	-.10418	-.13530	.10769	.12285	.15240	.08897	-.11759	.08053	-.03809
3.999	-4.020	1.39963	.04887	.01846	-.00909	.00564	.15016	.08788	-.10496	.07068	-.03498
3.998	.015	1.39994	.21133	.18133	-.12978	-.11526	.15271	.09125	-.09315	.06259	-.03307
3.999	4.044	1.39966	.34802	.31963	-.22827	-.21451	.14767	.08954	-.08060	.05428	-.03066
	GRADIENT	.00000	.03709	.03734	-.02718	-.02730	-.00031	.00021	.00302	-.00203	.00054

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0041) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1464/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.945	-7.904	1.54929	-.06492	-.09391	.08003	.09418	.15179	.09281	.10041	-.06793	.03749
-3.927	-3.881	1.54540	.06106	.03277	-.01903	-.00522	.14352	.08595	.08973	-.06001	.03350
-3.902	-.053	1.54953	.21389	.18762	-.13545	-.12261	.13776	.08444	.07945	-.05268	.03265
-3.916	3.952	1.54922	.35084	.32562	-.23561	-.22330	.13245	.08115	.06979	-.04620	.03238
	GRADIENT	.00048	.03698	.03737	-.02763	-.02782	-.00141	-.00061	-.00254	.00176	-.00014

RUN NO. 1465/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.973	1.54916	-.09776	-.12458	.10400	-.11712	.14985	.09541	-.00003	-.00002	.00184
.001	-3.973	1.54876	.03235	.00542	.00184	.01490	.14280	.08769	.00227	-.00199	.00245
-.001	.039	1.54973	.19112	.16466	-.11989	-.10707	.13778	.08358	.00377	-.00338	.00310
.002	4.096	1.54869	.33509	.31021	-.22437	-.21230	.13315	.08224	.00356	-.00307	.00331
	GRADIENT	-.00001	.03752	.03777	-.02803	-.02815	-.00120	-.00067	.00016	-.00013	.00011

RUN NO. 1466/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.045	-7.993	1.54919	-.09297	-.12086	.09856	.11215	.15450	.09772	-.11394	.07841	-.03724
4.073	-4.164	1.54926	.02565	-.00243	.00604	-.01972	.14703	.08979	-.10016	.06781	-.03288
4.099	.015	1.54972	.18889	.15981	-.11865	-.10459	.14425	.08458	-.08756	.05931	-.03023
4.068	4.141	1.54870	.32900	.30200	-.22060	-.20755	.14054	.08514	-.07834	.05323	-.02957
	GRADIENT	-.00007	.03653	.03666	-.02729	-.02737	-.00078	-.00056	.00263	-.00176	.00040

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (RC0042) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

MACH = .600 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.005	-7.921	.60088	.02059	.00263	-.01716	-.00921	.05419	.01459	.09735	-.06436	.03156
-3.999	-4.005	.60089	.13981	.12426	-.10034	-.09354	.05087	.01626	.08794	-.05838	.03077
-4.000	-.003	.60126	.26342	.25043	-.18574	-.18019	.04327	.01391	.07681	-.05120	.02939
-3.995	3.988	.60078	.39078	.37945	-.27423	-.26970	.03062	.00380	.06503	-.04307	.02752
	GRADIENT	-.00001	.03140	.03192	-.02175	-.02204	-.00253	-.00156	-.00287	.00191	-.00041

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-7.912	.59829	-.01259	-.02694	.00767	.01384	.05002	.01768	-.00145	.00125	.00131
.000	-3.952	.59983	.10031	.08805	-.07035	-.06514	.04782	.01998	.00022	.00012	.00169
.000	.066	.60053	.22552	.21565	-.15672	-.15260	.04049	.01775	.00061	-.00006	.00205
-.001	4.030	.60042	.35109	.34232	-.24391	-.24034	.02894	.00841	.00131	-.00030	.00250
	GRADIENT	.00007	.03142	.03186	-.02174	-.02195	-.00236	-.00145	-.00014	-.00005	.00010

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-8.080	.59854	.00474	-.01292	-.00889	-.00108	.05267	.01373	-.10389	.06939	-.02973
3.989	-4.001	.59989	.12701	.11181	-.09402	-.08746	.04983	.01567	-.09163	.06202	-.02868
3.989	-.049	.59987	.24346	.23093	-.17421	-.16880	.04229	.01415	-.07961	.05447	-.02704
3.989	3.991	.59976	.36354	.35356	-.25718	-.25282	.02900	.00679	-.06459	.04424	-.02358
	GRADIENT	-.00002	.02960	.03025	-.02042	-.02069	-.00261	-.00111	-.00339	-.00223	.00064

RUN NO. 837/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 838/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

RUN NO. 839/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (RCDO43) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .800 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 833/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.003	-8.024	.79940	.02586	.00854	-.02266	-.01481	.05771	.02019	.09606	-.06292	.03193
-4.001	-3.991	.80053	.15180	.13785	-.11071	-.10459	.05259	.02168	.08669	-.05692	.03113
-4.013	.097	.80016	.28832	.27661	-.20516	-.20005	.04413	.01807	.07642	-.05045	.03068
-3.994	4.008	.79964	.42853	.41867	-.30323	-.29913	.03334	.01061	.06638	-.04379	.02970
GRADIENT	GRADIENT	-.00011	.03459	.03510	-.02406	-.02432	-.00240	-.00138	-.00254	.00164	-.00018

RUN NO. 834/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.047	.79982	-.02093	-.03431	.01264	.01842	.05339	.02335	-.00321	.00258	.00125
.001	-3.909	.80071	.10390	.09295	-.07445	-.06970	.04870	.02417	-.00221	.00203	.00143
-.000	.063	.80015	.23714	.22809	-.16660	-.16270	.04189	.02154	-.00086	.00109	.00218
-.001	4.063	.79934	.37631	.36915	-.26398	-.26098	.02997	.01353	.00013	.00031	.00288
GRADIENT	GRADIENT	-.00017	.03417	.03465	-.02377	-.02399	-.00235	-.00134	.00029	-.00022	.00018

RUN NO. 835/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.992	-7.975	.79925	.01124	-.00576	-.01527	-.00784	.05583	.01803	-.10490	.06986	-.03018
3.990	-4.014	.80045	.13533	.12144	-.10190	-.09589	.05071	.01955	-.09380	.06316	-.02977
3.979	-.048	.80023	.26032	.24872	-.18823	-.18321	.04328	.01729	-.07970	.05413	-.02778
3.999	3.915	.79966	.39077	.38136	-.27859	-.27453	.03162	.01048	-.06625	.04466	-.02480
GRADIENT	GRADIENT	-.00010	.03221	.03278	-.02228	-.02253	-.00241	-.00114	.00347	-.00233	.00063

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0044) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 830/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.999	-8.066	.89908	.00521	-.01208	-.00588	.00203	.06606	.02892	.09714	-.06248	.03179
-4.011	-3.943	.89979	.14136	.12798	-.10168	-.09561	.05801	.02904	.08740	-.05681	.03118
-4.001	.025	.89980	.28931	.27842	-.20537	-.20046	.04972	.02602	.07657	-.05010	.03139
-3.996	4.003	.90012	.43494	.42598	-.30786	-.30407	.04314	.02273	.06957	-.04534	.02893
	GRADIENT	.00004	.03695	.03750	-.02595	-.02623	-.00187	-.00079	-.00224	.00144	-.00028

RUN NO. 831/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.048	.89987	-.04630	-.05979	.03351	.03951	.06085	.03125	-.00277	.00178	.00130
.001	-4.540	.90037	.06545	.05439	-.04855	-.03997	.05529	.03088	-.00122	.00081	.00132
.000	-3.909	.89981	.08680	.07606	-.05976	-.05498	.05414	.03053	-.00129	.00087	.00128
-.000	-.021	.89981	.22644	.21787	-.15809	-.15421	.04692	.02834	.00015	-.00005	.00197
-.001	4.096	.89956	.37714	.37064	-.26399	-.26105	.03884	.02472	-.00041	.00079	.00337
	GRADIENT	-.00007	.03613	.03666	-.02541	-.02564	-.00190	-.00070	.00012	-.00003	.00024

RUN NO. 832/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.991	-7.979	.89956	-.00960	-.02680	.00095	.00855	.06432	.02639	-.10570	.06853	-.03010
3.987	-3.996	.90017	.12137	.10810	-.09059	-.08478	.05668	.02718	-.09219	.06046	-.02965
3.974	.026	.90069	.26182	.25130	-.18882	-.18420	.04921	.02588	-.07747	.05113	-.02843
3.990	3.992	.89977	.39525	.38636	-.28195	-.27806	.04145	.02167	-.06760	.04468	-.02377
	GRADIENT	-.00005	.03429	.03484	-.02396	-.02420	-.00191	-.00069	.00308	-.00198	.00074

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0045) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 827/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.004	-8.044	.94901	-.01411	-.03085	.01202	.01968	.07385	.03794	.09814	-.06259	.03192
-4.007	-3.976	.95043	.12304	.11054	-.08561	-.07986	.06450	.03775	.08668	-.05519	.03123
-4.002	.001	.94992	.27711	.26716	-.19500	-.19036	.05609	.03505	.07391	-.04685	.03061
-3.993	3.997	.94943	.42320	.41521	-.29851	-.29486	.04777	.03058	.06524	-.04101	.02948
GRADIENT		-.00013	.03765	.03821	-.02670	-.02696	-.00210	-.00090	-.00269	.00178	-.00022

RUN NO. 828/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.050	.94988	-.06578	-.07986	.05164	.05807	.07099	.04070	-.00424	.00332	.00070
.000	-4.038	.95003	.06724	.05705	-.04307	-.03847	.06120	.03906	-.00167	.00119	.00108
-.001	-.036	.95023	.21505	.20739	-.14885	-.14524	.05245	.03641	-.00027	.00025	.00199
-.001	4.095	.94936	.37181	.36654	-.25991	-.25736	.04275	.03192	-.00055	.00082	.00279
GRADIENT		-.00008	.03746	.03806	-.02667	-.02692	-.00227	-.00088	.00014	-.00004	.00021

RUN NO. 829/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.992	-7.961	.94949	-.02962	-.04604	.01925	.02662	.07198	.03614	-.10672	.06879	-.03013
3.992	-4.017	.95025	.10288	.08990	-.07466	-.06888	.06351	.03504	-.09070	.05808	-.02961
3.973	.071	.95068	.25221	.24181	-.18035	-.17565	.05692	.03435	-.07638	.04934	-.02790
3.991	3.984	.94955	.38348	.37555	-.27235	-.26857	.04683	.03036	-.06345	.04003	-.02371
GRADIENT		-.00009	.03508	.03571	-.02472	-.02497	-.00208	-.00058	.00341	-.00226	.00074

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0046) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 823/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.003	-7.964	1.04795	-.03240	-.05182	.03669	-.04570	.09712	.05584	.09520	-.05898	.03433
-4.009	-3.973	1.05075	.12163	.10545	-.07358	-.06609	.09071	.05629	.08263	-.05009	.03402
-4.010	.110	1.05062	.28947	.27521	-.19448	-.18785	.08465	.05439	.07084	-.04197	.03300
-3.996	3.993	1.04943	.43529	.42301	-.30008	-.29442	.07682	.05057	.06046	-.03525	.02899
	GRADIENT	-.00016	.03939	.03988	-.02844	-.02867	-.00174	-.00072	-.00278	.00186	-.00063

RUN NO. 824/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.001	-7.887	1.04877	-.07757	-.09339	.07193	-.07943	.09440	.06139	-.00147	.00071	.00211
-.000	-4.049	1.05147	.06329	.04804	-.02810	-.02079	.09108	.05957	.00261	-.00244	.00293
-.001	-.023	1.05078	.23280	.21847	-.15019	-.14332	.08572	.05610	.00406	-.00338	.00331
-.002	4.082	1.04961	.38944	.37937	-.26447	-.25957	.07399	.05348	.00540	-.00455	.00490
	GRADIENT	-.00023	.04010	.04074	-.02907	-.02936	-.00210	-.00075	.00034	-.00026	.00024

RUN NO. 825/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.087	1.04827	-.06541	-.08466	.05710	-.06630	.09756	.05765	-.10241	.06317	-.03255
3.995	-4.027	1.05266	.10320	.08554	-.06192	-.05345	.10332	.06681	-.09918	.06234	-.03468
3.993	.003	1.05090	.26396	.24861	-.17689	-.16957	.10367	.07182	-.09015	.05697	-.03321
4.000	4.045	1.04914	.40225	.38974	-.27813	-.27218	.07844	.05239	-.06255	.03707	-.02396
	GRADIENT	-.00044	.03705	.03769	-.02710	-.02710	-.00308	-.00179	.00454	-.00313	.00133

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0047) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 820/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.079	1.09762	-.06987	-.09421	.07472	.08616	.11914	.06798	.09503	-.06101	.03633
-4.012	-3.945	1.10167	.09082	.07045	-.04203	-.03241	.11051	.06786	.08351	-.05260	.03552
-4.009	.109	1.10017	.25555	.23664	-.16184	-.15290	.10525	.06574	.07357	-.04574	.03504
-3.990	4.005	1.09909	.40185	.38443	-.26886	-.26050	.09787	.06191	.06476	-.03978	.03152
GRADIENT		-.00032	.03913	.03950	-.02854	-.02870	-.00159	-.00075	-.00236	.00161	-.00050

RUN NO. 821/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.081	1.09889	-.11041	-.13115	.10573	.11564	.11508	.07208	-.00313	.00174	.00159
.000	-4.762	1.10114	.01407	-.00458	.02430	.02430	.10939	.07092	-.00011	-.00054	.00205
.000	-4.042	1.09979	.04090	.02232	-.00350	.00546	.10862	.07038	.00085	-.00128	.00229
-.001	.104	1.10050	.20941	.19146	-.12514	-.11644	.10381	.06709	.00277	-.00277	.00280
-.002	3.969	1.09916	.35734	.34075	-.23364	-.22551	.09795	.06431	.00472	-.00406	.00309
GRADIENT		-.00015	.03951	.03974	-.02866	-.02875	-.00130	-.00076	.00053	-.00038	.00011

RUN NO. 822/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.994	-8.093	1.09538	-.09411	-.12026	.08928	.10188	.12281	.06897	-.11059	.07235	-.03601
3.995	-4.066	1.10331	.07633	.05542	-.03385	-.02374	.12593	.08304	-.10786	.07122	-.03722
3.990	.011	1.10072	.24039	.22082	-.15186	-.14234	.12948	.08955	-.10147	.06767	-.03675
3.997	4.020	1.09963	.37791	.36001	-.25130	-.24261	.11588	.07931	-.07738	.04976	-.02949
GRADIENT		-.00046	.03730	.03767	-.02690	-.02707	-.00124	-.00046	.00376	-.00265	.00095

(RC0048) (13 APR 92)

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 816/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-8.013	1.14925	-.05422	-.07179	.06077	.06896	.11194	.07474	.09398	-.05951	-.03612
-4.000	-4.025	1.15098	.11230	.09728	-.06188	-.05486	.10673	.07502	.08415	-.05307	.03731
-4.011	.098	1.15046	.27771	.26407	-.18235	-.17594	.10279	.07411	.07484	-.04669	.03542
-3.990	3.999	1.14948	.41193	.39938	-.27884	-.27291	.09558	.06931	.06464	-.03945	.03146
	GRADIENT	-.00019	.03737	.03767	-.02706	-.02719	-.00139	-.00071	-.00243	.00170	-.00073

RUN NO. 817/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.098	1.14905	-.09927	-.11415	.09525	.10234	.10943	.07851	-.00230	.00144	.00177
.000	-4.051	1.15055	.06776	.05458	-.02721	-.02083	.10396	.07694	.00111	-.00114	.00263
-.001	-.031	1.15069	.23218	.21954	-.14683	-.14065	.10234	.07668	.00354	-.00306	.00328
-.002	4.079	1.14955	.37832	.36685	-.25283	-.24720	.09562	.07240	.00559	-.00450	.00342
	GRADIENT	-.00012	.03819	.03840	-.02775	-.02784	-.00103	-.00056	.00055	-.00041	.00010

RUN NO. 818/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.993	-8.089	1.14778	-.07972	-.09816	.07678	.08566	.11816	.08019	-.11166	.07285	-.03660
3.993	-4.043	1.15039	.10397	.08824	-.05713	-.04952	.12747	.09523	-.11514	.07755	-.04025
3.989	.017	1.15024	.25886	.24448	-.16873	-.16171	.12814	.09886	-.10132	.06766	-.03663
3.998	4.059	1.15033	.38964	.37684	-.26249	-.25626	.11462	.08851	-.07806	.05033	-.02970
	GRADIENT	-.00001	.03526	.03562	-.02552	-.02552	-.00158	-.00083	.00458	-.00336	.00130

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (RC0049) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.004	-7.949	1.24864	-.04270	-.05929	.05314	.06084	.11787	.08264	.09618	-.06209	.03786
-4.012	-3.955	1.25012	.12118	.10638	-.06969	-.06270	.11412	.08310	.08571	-.05469	.03671
-4.008	.004	1.25020	.28083	.26751	-.18645	-.18011	.11198	.08428	.07722	-.04941	.03540
-3.996	4.006	1.24992	.41409	.40224	-.28322	-.27750	.10602	.08167	.06861	-.04395	.03296
	GRADIENT	-.00003	.03679	.03716	-.02682	-.02698	-.00102	-.00018	-.00215	.00135	-.00047

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.082	1.24921	-.08367	-.09755	.08488	.09153	.11447	.08577	-.00093	.00026	.00191
-.000	-4.037	1.25023	.08305	.07021	-.04024	-.03401	.11181	.08557	.00237	-.00228	.00291
-.001	-.045	1.25008	.24462	.23210	-.15826	-.15210	.11075	.08547	.00469	-.00428	.00357
-.002	3.966	1.24983	.38020	.36849	-.25566	-.24987	.10660	.08308	.00641	-.00553	.00417
	GRADIENT	-.00005	.03713	.03727	-.02691	-.02697	-.00065	-.00031	.00050	-.00041	.00016

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.992	-8.064	1.24864	-.07129	-.08907	.07198	.08052	.12786	.09121	-.12087	.08101	-.03973
3.997	-4.065	1.25044	.09855	.08247	-.05402	-.04626	.13191	.09886	-.11257	.07533	-.03869
3.990	.011	1.25042	.25841	.24408	-.16999	-.16301	.13441	.10523	-.10095	.06726	-.03627
4.003	4.085	1.25013	.38805	.37533	-.26285	-.25655	.12457	.09903	-.08479	.05656	-.03190
	GRADIENT	-.00004	.03552	.03593	-.02562	-.02580	-.00090	.00002	.00341	-.00230	.00083

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0050) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 810/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.004	-7.968	1.29928	-.04225	-.05939	.05326	.06126	.12090	.08471	.09860	-.06461	.03773
-4.014	-3.918	1.30064	.12247	.10709	-.06462	-.06462	.11676	.08472	.08655	-.05557	.03647
-4.002	.000	1.29977	.27728	.26338	-.18573	-.17908	.11432	.08559	.07641	-.04858	.03487
-4.006	4.088	1.29993	.41043	.39780	-.27552	-.10943	.08361	.08361	.06833	-.04358	.03278
	GRADIENT	-.00009	.03594	.03629	-.02618	-.02632	-.00092	-.00014	-.00227	-.00149	-.00046

RUN NO. 811/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.093	1.29915	-.07986	-.09447	.08138	.08838	.11812	.08788	-.00196	.00140	.00149
.000	-4.075	1.30079	.08463	.07084	-.04277	-.03603	.11501	.08696	.00020	-.00018	.00261
-.001	-.027	1.29965	.24705	.23370	-.16224	-.15568	.11412	.08715	.00299	-.00266	.00327
-.002	4.087	1.29970	.38218	.36993	-.25922	-.25314	.10968	.08509	.00473	-.00396	.00381
	GRADIENT	-.00013	.03645	.03664	-.02651	-.02659	-.00065	-.00023	.00056	-.00046	.00015

RUN NO. 812/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.993	-8.073	1.29901	-.07385	-.09204	.07375	.08250	.12774	.09027	-.11904	.08039	-.03882
3.993	-4.071	1.30062	.09231	.07551	-.05104	-.04291	.12936	.09490	-.10955	.07347	-.03725
3.991	.016	1.29991	.25379	.23882	-.16937	-.16209	.13130	.10078	-.09851	.06580	-.03515
4.000	4.084	1.29984	.38430	.37118	-.26220	-.25569	.12448	.09816	-.08416	.05628	-.03188
	GRADIENT	-.00010	.03581	.03626	-.02589	-.02609	-.00060	.00040	.00311	-.00211	.00066

IA613A(AEDC 16TF-829) B/L DT + ASRM+PLUMES S1,2

(RC0051) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 806/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.003	-7.961	1.34906	-.04058	-.05684	.05166	.05926	.12292	.08855	.10016	-.06594	-.03735
-4.017	-3.929	1.35034	.11266	.09727	-.06533	-.05802	.11928	.08723	.08708	-.05590	.03586
-4.009	-.019	1.35005	.26944	.25566	-.18159	-.17498	.11581	.08736	.07598	-.04832	.03448
-3.995	4.000	1.34992	.40205	.38952	-.27644	-.27035	.11171	.08611	.06967	-.04523	.03251
	GRADIENT	-.00005	.03649	.03684	-.02661	-.02677	-.00095	-.00014	-.00219	.00134	-.00042

RUN NO. 807/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.089	1.34947	-.07919	-.09332	.08033	.08705	.12062	.09119	-.00041	.00032	.00169
-.000	-4.039	1.35070	-.08633	.07298	-.04542	-.03894	.11744	.09012	.00236	-.00192	.00300
-.001	-.037	1.35048	.24330	.23033	-.16120	-.15483	.11627	.09001	.00395	-.00346	.00343
-.002	3.957	1.34968	.37643	.36415	-.25661	-.25054	.11331	.08866	.00564	-.00481	.00375
	GRADIENT	-.00013	.03628	.03642	-.02641	-.02646	-.00052	-.00018	.00041	-.00036	.00009

RUN NO. 808/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.991	-7.929	1.34867	-.06953	-.08735	.07047	.07907	.12867	.09206	-.11662	.07878	-.03781
4.008	-4.031	1.35050	.08713	.07050	-.04783	-.03982	.12964	.09542	-.10613	.07074	-.03592
3.989	.009	1.34935	.24398	.22894	-.16369	-.15638	.13030	.09955	-.09406	.06264	-.03346
3.998	4.073	1.35045	.37659	.36379	-.25192	-.25192	.12482	.09910	-.08191	.05503	-.03100
	GRADIENT	-.00001	.03571	.03619	-.02596	-.02617	-.00060	.00045	.00299	-.00194	.00061

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0052) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO.	803/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00	CAF	CY	CYN	CBL
BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.006	-7.959	1.4004	-.03735	.04946	.05718	.12615	.09095	.10424	-.07024	.03801
-4.001	-4.008	1.40040	.10923	-.06365	-.05396	.12165	.08989	.09012	-.05926	.03524
-4.006	.026	1.39995	.27223	-.18510	-.17854	.11806	.09009	.07692	-.04957	.03399
-3.997	4.004	1.39986	.39998	-.27688	-.27074	.11460	.08874	.06711	-.04306	.03223
	GRADIENT	-.00007	.03630	-.02662	-.02676	-.00038	-.00014	-.00287	.00202	-.00038

RUN NO.	804/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00	CAF	CY	CYN	CBL
BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.083	1.39943	-.07914	.08060	.08747	.12382	.09382	.00057	-.00067	.00191
-.000	-4.064	1.40047	.07755	-.03975	-.03286	.12020	.09134	.00331	-.00290	.00315
-.001	-.039	1.39975	.23713	-.15851	-.15179	.11824	.09063	.00363	-.00313	.00361
-.002	3.963	1.39990	.37079	-.25453	-.24827	.11502	.08976	.00470	-.00403	.00378
	GRADIENT	-.00007	.03653	-.02676	-.02684	-.00064	-.00020	.00017	-.00014	.00008

RUN NO.	805/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00	CAF	CY	CYN	CBL
BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.989	-8.074	1.39953	-.07299	.07312	.08169	.13023	.09389	-.11822	.08093	.03801
3.994	-4.073	1.40052	.08002	-.04407	-.03608	.12763	.09349	-.10433	.06989	-.03448
3.987	.016	1.39990	.24283	-.16509	-.15781	.12861	.09804	-.09201	.06105	-.03245
3.997	4.079	1.40031	.37032	-.25530	-.24877	.12491	.09833	-.07833	.05186	-.02982
	GRADIENT	-.00003	.03603	-.02592	-.02609	-.00033	.00059	.00319	-.00221	.00057

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0053) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1373/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.008	-7.975	1.24917	-.03033	-.03747	.03781	.04100	.09943	.08379	.09609	-.06132	.03714
-4.020	-3.952	1.25032	.13304	.12710	-.08417	-.08127	.09587	.08381	.08476	-.05322	.03595
-4.002	.003	1.25002	.28843	.28359	-.19769	-.19512	.09392	.08488	.07581	-.04748	.03442
-3.988	4.000	1.24968	.41940	.41548	-.29186	-.28972	.08833	.08121	.06631	-.04102	.03083
	GRADIENT	-.00008	.03601	.03626	-.02611	-.02621	-.00095	-.00033	-.00232	.00153	-.00065

RUN NO. 1374/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.074	1.24948	-.07191	-.07751	.07003	.07275	.09718	.08572	-.00016	-.00023	.00208
.001	-5.161	1.25033	.04359	.03813	-.01608	-.01330	.09591	.08526	.00222	-.00209	.00294
.000	-4.073	1.25001	.08841	.08316	-.04947	-.04673	.09518	.08519	.00294	-.00268	.00310
-.001	-.044	1.25022	.25374	.24875	-.17054	-.16787	.09389	.08458	.00527	-.00472	.00389
-.002	4.080	1.24974	.38839	.38478	-.26655	-.26456	.08923	.08271	.00718	-.00611	.00447
	GRADIENT	-.00003	.03678	.03698	-.02661	-.02670	-.00073	-.00030	-.00052	-.00042	.00017

RUN NO. 1375/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.090	1.24902	-.05717	-.06526	.05411	.05805	.10512	.08861	-.11153	.07300	-.03693
4.001	-4.026	1.25022	.11148	.10519	-.07018	-.06708	.11007	.09744	-.10367	.06755	-.03614
3.994	.016	1.25030	.26662	.26160	-.18295	-.18040	.11068	.10085	-.09123	.05873	-.03330
4.009	4.080	1.25003	.39064	.38599	-.27050	-.26810	.10045	.09146	-.07549	.04861	-.02887
	GRADIENT	-.00002	.03444	.03464	-.02471	-.02480	-.00119	-.00074	-.00348	-.00234	.00090

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3 (RC0054) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABDX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1377/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.007	-7.969	1.29939	-.02912	-.03706	.03780	.04137	.10392	.08662	.09836	-.06386	.03732
-4.013	-3.936	1.30059	.13237	.12576	-.08424	-.08106	.10030	.08667	.08575	-.05443	.03574
-4.006	-.005	1.29963	.28625	.28090	-.19748	-.19466	.09766	.08753	.07544	-.04720	.03413
-3.990	3.990	1.29959	.41321	.40846	-.28828	-.28577	.09315	.08420	.06629	-.04105	.03122
	GRADIENT	-.00013	.03542	.03566	-.02574	-.02582	-.00090	-.00031	-.00246	.00169	-.00057

RUN NO. 1378/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.071	1.29988	-.06788	-.07405	.05681	.06979	.10194	.08930	-.00110	.00072	.00170
.000	-4.056	1.30004	.09389	.08791	-.05431	-.05128	.09985	.08814	.00147	-.00123	.00304
-.001	-.039	1.29969	.25260	.24680	-.17125	-.16821	.09882	.08782	.00366	-.00327	.00366
-.002	3.972	1.29992	.38430	.37990	-.26514	-.26282	.09414	.08584	.00545	-.00459	.00386
	GRADIENT	-.00001	.03617	.03637	-.02626	-.02635	-.00071	-.00029	.00050	-.00042	.00010

RUN NO. 1379/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.074	1.29933	-.05987	-.06897	.05694	.06132	.10760	.08887	-.11229	.07460	.03684
3.999	-4.101	1.30018	.10266	.09549	-.06483	-.06132	.10889	.09431	-.10113	.06607	.03477
3.990	.017	1.29996	.26304	.25740	-.18230	-.17951	.10994	.09866	-.08934	.05775	.03236
4.007	4.088	1.29960	.38783	.38260	-.26940	-.26675	.10613	.09583	-.07456	.04780	.02884
	GRADIENT	-.00007	.03483	.03507	-.02499	-.02509	-.00034	-.00019	.00324	-.00223	.00072

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0055) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.008	-7.978	1.34949	-.02900	-.03737	.03784	.04159	.10723	.08893	.10089	-.06609	-.03744
-4.016	-3.948	1.34998	.12232	.11517	-.07745	-.07399	.10310	.08840	.08691	-.05532	.03520
-4.009	.022	1.35009	.28016	-.27417	-.19416	-.19102	.09993	.08857	.07532	-.04723	.03374
-4.009	4.090	1.35005	.41048	.40514	-.28679	-.28400	.09638	.08622	.06743	-.04264	.03135
	GRADIENT	.00001	.03583	.03606	-.02603	-.02611	-.00084	-.00027	-.00242	.00158	-.00048

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.014	1.34958	-.06755	-.07412	.06671	.06986	.10551	.09192	.00034	-.00025	.00201
.000	-4.093	1.35053	.09028	.08388	-.05275	-.04948	.10258	.09011	.00262	-.00208	.00313
-.001	-.049	1.34985	.24941	.24340	-.16989	-.16675	.10155	.09009	.00447	-.00385	.00374
-.002	3.971	1.34944	.37999	.37501	-.26294	-.26035	.09807	.08851	.00612	-.00522	.00422
	GRADIENT	-.00014	.03593	.03610	-.02607	-.02615	-.00056	-.00020	.00043	-.00039	.00014

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.991	-8.041	1.34961	-.06057	-.06941	.05774	.06197	.10959	.09127	-.11056	.07347	-.03605
3.999	-4.026	1.35014	.09731	.08963	-.06149	-.05772	.10852	.09296	-.09887	.06456	-.03379
3.988	.018	1.35003	.25166	.24520	-.17501	-.17181	.10963	.09663	-.08699	.05642	-.03132
4.000	4.070	1.34998	.37889	.37312	-.26425	-.26132	.10619	.09489	-.07398	.04796	-.02850
	GRADIENT	-.00002	.03478	.03501	-.02504	-.02515	-.00029	.00024	.00307	-.00205	.00065

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0056) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.400 IEABDX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1385/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.005	-7.963	1.39971	-.02810	-.03650	.03754	.04138	.11086	.09275	.10063	-.06687	-.03697
-4.016	-3.937	1.39997	.11742	.11014	-.07467	-.07115	.10580	.09084	.08754	-.05656	-.03408
-4.006	-.017	1.40013	.27303	.26690	-.18983	-.18664	.10295	.09126	-.07601	-.04840	.03315
-3.992	3.998	1.40017	.40295	.39727	-.28261	-.27964	.09962	.08884	.06661	-.04227	.03124
	GRADIENT	.00003	.03597	.03617	-.02619	-.02626	-.00078	-.00025	-.00264	.00180	-.00036

RUN NO. 1386/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.089	1.39950	-.07183	-.07873	.07045	.07378	.10893	.09476	.00174	-.00178	.00228
.000	-4.859	1.39996	.05158	.04464	-.02425	-.02073	.10603	.09244	.00363	-.00325	.00354
-.000	-4.066	1.39984	.08501	.07812	-.04961	-.04607	.10539	.09201	.00427	-.00381	.00360
-.001	-.046	1.39962	.24333	.23676	-.16699	-.16355	.10390	.09141	.00513	-.00454	.00423
-.002	3.964	1.39997	.37464	.36910	-.26041	-.25752	.10061	.09003	.00597	-.00524	.00438
	GRADIENT	-.00000	.03674	.03690	-.02687	-.02694	-.00059	-.00025	.00025	-.00021	.00010

RUN NO. 1387/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.081	1.39958	-.06359	-.07226	.05988	.06398	.11103	.09292	-.10973	.07315	-.03553
4.005	-4.012	1.40017	.08958	.08172	-.05727	-.05343	.10657	.09059	-.09575	.06222	-.03200
3.992	-.006	1.39970	.24544	.23898	-.17276	-.16957	.10709	.09408	-.08476	.05473	-.03026
3.997	4.074	1.39973	.37239	.36623	-.26113	-.25801	.10669	.09462	-.07168	.04605	-.02768
	GRADIENT	-.00005	.03496	.03517	-.02520	-.02529	.00001	.00050	.00298	-.00200	.00053

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0057) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1388/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.933	-7.922	1.54966	-.03198	-.03968	.04022	.04372	.11438	.09775	.09676	-.06472	.03492
-3.921	-3.964	1.54946	.09074	.08250	-.05173	-.05173	.10803	.09123	.08687	-.05724	.03115
-3.905	.004	1.54901	.24015	.23345	-.16778	-.16444	.10316	.08980	.07458	-.04831	.03008
-3.907	3.943	1.54899	.37030	.36361	-.26195	-.25850	.09950	.08657	.06436	-.04135	.02973
	GRADIENT	-.00006	.03536	.03555	-.02608	-.02615	-.00108	-.00059	-.00285	.00201	-.00018

RUN NO. 1389/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-7.978	1.54967	-.06929	-.07699	.06890	.07259	.11582	.09984	.00032	-.00047	.00154
.001	-3.969	1.54929	.06001	.05230	-.03201	-.02811	.10901	.09385	.00216	-.00208	.00216
-.001	.062	1.54880	.21328	.20547	-.14809	-.14411	.10506	.08983	.00385	-.00364	.00303
-.002	4.075	1.54937	.34963	.34289	-.24653	-.24308	.10154	.08844	.00386	-.00351	.00346
	GRADIENT	.00001	.03601	.03613	-.02667	-.02673	-.00093	-.00067	.00021	-.00018	.00016

RUN NO. 1390/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.046	-8.123	1.54831	-.06356	-.07253	.06141	.06568	.11690	.09823	-.10909	.07380	.03557
4.072	-4.166	1.55072	.05979	.05131	-.03509	-.03106	.10803	.09036	-.09497	.06294	-.03104
4.092	.019	1.54939	.21564	.20810	-.15392	-.15029	.10432	.08882	-.08178	.05351	-.02832
4.072	4.148	1.54893	.34595	.33862	-.24577	-.24215	.10503	.09028	-.07093	.04629	-.02708
	GRADIENT	-.00022	.03443	.03456	-.02535	-.02540	-.00036	-.00001	.00289	-.00200	.00048

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0058) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 1525/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.021	-8.033	1.39899	-.05835	-.06588	.06451	.06787	.11087	.09437	.09774	-.06456	.03654
-3.927	-4.004	1.40055	.08947	.08243	-.04952	-.04616	.10516	.09054	.08630	-.05568	.03374
-3.847	-.080	1.39972	.23907	.23339	-.16190	-.15892	.10063	.08984	.07870	-.05000	.03352
-3.979	3.956	1.39978	.37487	.36934	-.25934	-.25640	.09781	.08743	.07314	-.04627	.03387
	GRADIENT	-.00010	.03584	.03603	-.02635	-.02640	-.00092	-.00039	-.00165	.00118	.00002

RUN NO. 1526/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.000	-8.107	1.39931	-.09491	-.10129	.09135	.09447	.10876	.09577	-.00156	.00054	.00150
-.003	-4.080	1.39999	.06117	.05446	-.02864	-.02522	.10421	.09107	.00111	-.00161	.00273
-.002	-.119	1.39979	.22027	.21404	-.14708	-.14383	.10213	.09024	.00281	-.00287	.00352
-.000	4.005	1.39939	.35618	.35075	-.24409	-.24129	.09862	.08815	.00448	-.00412	.00393
	GRADIENT	-.00007	.03647	.03663	-.02671	-.02671	-.00069	-.00036	.00042	-.00031	.00015

RUN NO. 1527/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.029	-8.059	1.39983	-.08083	-.08929	.07594	.07992	.10928	.09150	-.10836	.07172	-.03514
3.911	-3.989	1.40069	.07116	.06371	-.04036	-.03673	.10416	.08900	-.09069	.05827	-.03067
3.856	-.041	1.40022	.22290	.21682	-.15340	-.15039	.10219	.08999	-.07714	.04894	-.02795
3.978	3.939	1.40014	.34918	.34335	-.24210	-.23915	.10204	.09057	-.06890	.04378	-.02679
	GRADIENT	-.00007	.03506	.03527	-.02544	-.02553	-.00027	.00020	.00275	-.00183	.00049

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0059) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 1529/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.114	-8.140	1.54801	-.05549	-.06132	-.06429	.11516	-.10125	-.09912	-.06644	-.03571
-4.009	-4.086	1.54934	.06980	-.03654	-.03296	.10802	-.09289	.08941	-.05909	.03172
-3.936	-.068	1.54988	-.21225	-.14510	-.14220	.10065	-.09002	.07884	-.05121	.03082
-4.044	4.027	1.54886	.35117	-.24597	-.24284	-.09759	.08654	.07261	-.04686	.03273
	GRADIENT	-.00006	.03468	-.02581	-.02587	-.00128	-.00078	-.00207	.00151	.00013

RUN NO. 1530/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.019	1.54825	-.08757	.08544	.08877	.11585	.10160	-.00307	.00196	.00080
-.003	-3.971	1.54989	.04183	-.01605	-.01252	.10790	.09445	-.00011	-.00053	.00167
-.002	.055	1.54902	.19528	-.13255	-.12902	.10320	.09008	.00178	-.00213	.00250
.000	4.100	1.54851	.33547	-.23367	-.23056	.09904	.08758	.00241	-.00241	.00304
	GRADIENT	-.00017	.03638	-.02696	-.02701	-.00110	-.00085	.00031	-.00023	.00017

RUN NO. 1531/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.087	-8.146	1.54827	-.08150	.07721	.08110	.11553	.09854	-.10598	.07085	-.03471
4.003	-4.059	1.54999	.04599	-.02244	-.01878	.10584	.09030	-.08918	.05819	-.02921
3.931	-.022	1.54962	.19516	-.13642	-.13336	.10010	.08738	-.07394	.04746	-.02577
4.047	4.017	1.54885	.32640	-.22953	-.22642	.10010	.08773	-.06866	.04449	-.02647
	GRADIENT	-.00014	.03472	-.02564	-.02571	-.00071	-.00032	.00254	-.00170	.00034

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0060) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = .000
 IB-ELV = 10.000 DB-ELV = 5.000

RUN NO. 1352/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.005	-7.903	.59916	.00713	-.01088	-.00585	.00198	.05199	.01175	.09839	-.06506	.03187
-4.007	-3.999	.60043	.12617	.11064	-.08846	-.08175	.04965	.01481	.08871	-.05895	.03096
-4.004	.059	.60024	.24911	.23599	-.17297	-.16746	.04126	.01122	.07748	-.05163	.02962
-3.998	4.001	.60035	.37231	.36081	-.25831	-.25376	.02867	.00133	.06567	-.04348	.02764
GRADIENT		-.00001	.03077	.03127	-.02123	-.02150	-.00262	-.00168	-.00288	.00193	-.00041

RUN NO. 1353/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-7.912	.59934	-.02453	-.03884	.01808	.02417	.04880	.01634	-.00187	.00157	.00142
.000	-4.023	.60044	.08295	.07112	-.05613	-.05121	.04574	.01851	-.00001	.00024	.00184
-.000	.109	.60031	.20914	.19934	-.14243	-.13837	.03865	.01601	.00021	.00023	.00218
-.001	3.982	.60067	.32713	.31885	-.22454	-.22127	.02655	.00676	.00165	-.00055	.00276
GRADIENT		.00003	.03051	.03095	-.02104	-.02124	-.00239	-.00146	.00021	-.00010	.00011

RUN NO. 1354/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.090	.59871	-.01292	-.03036	.00552	.01317	.05091	.01222	-.10516	.07028	-.02963
3.995	-3.991	.60028	.11088	.09608	-.08040	-.07405	.04805	.01463	-.09203	.06237	-.02836
3.989	-.032	.60058	.22633	.21414	-.15960	-.15445	.04018	.01240	-.07951	.05450	-.02650
3.997	3.963	.60010	.34254	.33245	-.23964	-.23524	.02689	.00435	-.06558	.04506	-.02337
GRADIENT		-.00002	.02913	.02972	-.02002	-.02027	-.00266	-.00129	.00332	-.00218	.00063

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (RC0061) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1356/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.009	-8.051	.89923	-.00116	-.01910	-.00030	.00789	.06313	.02453	.09941	-.06419	.03252
-4.004	-3.999	.90026	.13045	.11649	-.09259	-.08627	.05578	.02554	.08914	-.05805	.03162
-4.000	.060	.89963	.27687	.26543	-.19441	-.18934	.04749	.02233	.07852	-.05146	.03166
-3.998	3.998	.89965	.41534	.40548	-.29092	-.28676	.04091	.01838	.07069	-.04598	.02929
	GRADIENT	-.00008	.03563	.03614	-.02480	-.02507	-.00186	-.00089	-.00231	.00151	-.00029

RUN NO. 1357/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.061	.89955	-.05399	-.06814	.04018	.04643	.05906	.02782	-.00232	.00150	.00185
.000	-4.042	.89987	.07195	.06048	-.04788	-.04283	.05199	.02663	.00019	-.00021	.00216
.000	-.048	.90013	.20927	.20011	-.14390	-.13977	.04392	.02402	.00094	-.00054	.00265
-.001	3.960	.89955	.35348	.34630	-.24455	-.24128	.03661	.02110	.00059	.00022	.00356
	GRADIENT	-.00004	.03518	.03572	-.02458	-.02480	-.00192	-.00069	.00005	.00005	.00018

RUN NO. 1358/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-7.971	.89972	-.01898	-.03652	.00911	.01689	.06233	.02373	-.10616	.06896	-.02932
3.993	-4.068	.90042	.10864	.09470	-.07991	-.07386	.05471	.02348	-.09253	.06084	-.02883
3.979	.029	.90025	.24607	.23473	-.17527	-.17032	.04632	.02106	-.07677	.05088	-.02733
3.996	3.997	.89976	.37901	.36928	-.26790	-.26366	.03906	.01737	-.06752	.04487	-.02287
	GRADIENT	-.00008	.03352	.03405	-.02331	-.02353	-.00194	-.00076	.00311	-.00198	.00074

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,2 (RC0062) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1359/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.007	1.09916	-.07586	-.09998	.08022	.09152	.11523	.06440	.09594	-.06123	.03655
-3.998	-4.008	1.09967	.07846	.05773	-.03148	-.02178	.10775	.06401	.08413	-.05279	.03557
-4.005	.020	1.10022	.24250	.22352	-.15061	-.14167	.10241	.06260	.07501	-.04656	.03575
-3.992	4.001	1.09970	.39192	.37445	-.25968	-.25132	.09512	.05893	.06651	-.04098	.03237
	GRADIENT	.00000	.03915	.03955	-.02850	-.02867	-.00158	-.00063	-.00220	.00147	-.00040

RUN NO. 1360/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.001	1.09942	-.11844	-.13910	.11267	.12251	.11155	.06864	-.00228	.00111	.00197
.000	-4.064	1.10109	.02971	.01118	.00638	.01528	.10547	.06722	.00146	-.00178	.00249
-.001	-.055	1.10055	.19223	.17434	-.11105	-.10242	.10088	.06413	.00365	-.00328	.00295
-.002	3.960	1.09981	.34793	.33153	-.22559	-.21758	.09484	.06148	.00581	-.00485	.00337
	GRADIENT	-.00016	.03966	.03992	-.02891	-.02902	-.00132	-.00071	.00054	-.00038	.00011

RUN NO. 1361/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-7.972	1.09817	-.09899	-.12478	.09416	.10661	.11957	.06661	-.10807	.07008	-.03518
4.001	-3.995	1.10089	.06652	.04517	-.02391	-.01361	.12612	.08221	-.10649	.06996	-.03687
3.990	.023	1.10103	.23030	.21061	-.14198	-.13245	.12862	.08829	-.10180	.06809	-.03717
4.000	4.010	1.09801	.36558	.34725	-.24063	-.23180	.11244	.07470	-.08076	.05291	-.03068
	GRADIENT	-.00036	.03737	.03774	-.02708	-.02726	-.00171	-.00094	.00321	-.00213	.00077

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (RC0063) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1362/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.006	-7.975	1.14948	-.06006	-.07867	.06641	.07504	.11004	.07046	.09507	-.05996	.03645
-4.012	-3.964	1.15182	.10613	.09014	-.05568	-.04825	.10475	.07079	.08524	-.05355	.03780
-4.002	.018	1.15057	.26700	.25227	-.17289	-.16600	.10096	.06988	.07640	-.04769	.03623
-3.993	4.001	1.14971	.40625	.39269	-.27312	-.26676	.09409	.06559	.06652	-.04085	.03233
	GRADIENT	-.00027	.03768	.03798	-.02730	-.02743	-.00134	-.00065	-.00235	.00159	-.00069

RUN NO. 1363/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.054	1.14920	-.10632	-.12212	.10185	.10936	.10746	.07457	-.00187	.00124	.00204
-.000	-4.036	1.15101	.05809	.04395	-.01845	-.01165	.10224	.07308	.00189	-.00162	.00295
-.001	-.017	1.15009	.22494	.21124	-.14024	-.13360	.10034	.07230	.00417	-.00339	.00366
-.002	3.970	1.14964	.36845	.35611	-.24464	-.23864	.09452	.06934	.00630	-.00490	.00351
	GRADIENT	-.00017	.03877	.03899	-.02826	-.02835	-.00096	-.00047	.00055	-.00041	.00007

RUN NO. 1364/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.081	1.14705	-.08881	-.10831	.08481	.09420	.11566	.07554	-.11031	.07176	-.03612
3.994	-4.080	1.15099	.08659	.06981	-.04091	-.03281	.13061	.09612	-.11719	.07905	-.04097
3.989	.009	1.15071	.24533	.22988	-.15597	-.14846	.12999	.09846	-.10432	.07043	-.03788
4.001	4.047	1.15035	.37871	.36479	-.25294	-.24622	.11154	.08297	-.08118	.05342	-.03075
	GRADIENT	-.00008	.03595	.03630	-.02609	-.02626	-.00234	-.00161	.00443	-.00315	.00126

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0064) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABDX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1365/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.006	-7.974	1.24923	-.05276	-.07023	.06219	.07026	.11674	.07950	.09728	-.06274	.03835
-4.018	-3.946	1.25056	.11569	.10003	-.06388	-.05651	.11276	.07986	.08686	-.05544	.03747
-4.008	-.003	1.25014	.27326	.25908	-.17943	-.17271	.11090	.08131	.07898	-.05065	.03640
-3.989	4.007	1.24947	.40733	.39448	-.27683	-.27067	.10472	.07818	.07017	-.04488	.03314
	GRADIENT	-.00014	.03666	.03702	-.02677	-.02692	-.00101	-.00021	-.00210	.00133	-.00055

RUN NO. 1366/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.059	1.24933	-.09367	-.10850	.09380	.10086	.11332	.08252	-.00014	-.00024	.00222
.000	-4.049	1.25038	.07191	.05806	-.03046	-.02378	.11038	.08190	.00272	-.00249	.00312
-.001	-.028	1.25002	.23673	.22324	-.15083	-.14426	.10928	.08177	.00505	-.00449	.00379
-.002	3.973	1.24993	.37475	.36208	-.25039	-.24416	.10587	.08030	.00704	-.00594	.00438
	GRADIENT	-.00006	.03775	.03790	-.02742	-.02747	-.00056	-.00020	.00054	-.00043	.00016

RUN NO. 1367/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-7.899	1.24905	-.07158	-.09021	.07351	.08245	.12680	.08834	-.11914	.07970	-.03939
3.995	-4.057	1.25013	.08940	.07244	-.04512	-.03697	.13217	.09719	-.11257	.07531	-.03895
3.995	.012	1.25003	.24852	.23325	-.16090	-.15349	.13407	.10284	-.10081	.06722	-.03645
4.000	4.081	1.24976	.38079	.36715	-.25672	-.25000	.12131	.09378	-.08473	.05684	-.03198
	GRADIENT	-.00004	.03580	.03621	-.02600	-.02618	-.00133	-.00042	.00342	-.00227	.00086

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0065) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 722/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-7.897	.59891	-.01278	-.03889	.01043	.02343	.06334	.01120	.09561	-.06356	.03189
-4.001	-4.012	.59921	.10871	.08401	-.07358	-.06123	.06383	.01472	.08691	-.05734	.03066
-4.008	.105	.59980	.24154	.21771	-.16468	-.15279	.05906	.01156	.07617	-.05040	.02943
-4.002	4.002	.60008	.37067	.34778	-.25443	-.24296	.04880	.00334	.06634	-.04391	.02801
	GRADIENT	.00011	.03268	.03291	-.02256	-.02267	-.00187	-.00141	-.00257	.00167	-.00033

RUN NO. 723/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-7.930	.59989	-.04308	-.06715	.03395	.04599	.06153	.01364	-.00104	.00107	.00148
.000	-3.934	.60097	.07696	.05439	-.04925	-.03796	.06203	.01719	.00050	-.00003	.00185
-.000	.059	.60059	.20315	.18110	-.13567	-.12465	.05762	.01372	.00072	-.00012	.00205
-.001	4.052	.60080	.33611	.31529	-.22789	-.21744	.04713	.00588	.00183	-.00065	.00272
	GRADIENT	-.00002	.03245	.03267	-.02237	-.02247	-.00187	-.00142	.00017	-.00008	.00011

RUN NO. 724/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.042	.59911	-.03067	-.05720	.02116	.03452	.06345	.01100	-.10453	.07007	-.03067
3.996	-4.006	.60096	.09732	.07268	-.06789	-.05553	.06335	.01448	-.09215	.06251	-.02949
3.994	-.045	.60064	.21957	.19574	-.15180	-.13986	.05917	.01183	-.08033	.05514	-.02789
4.000	3.967	.60002	.34852	.32533	-.24116	-.22945	.04843	.00275	-.06695	.04635	-.02477
	GRADIENT	-.00012	.03151	.03169	-.02173	-.02181	-.00187	-.00147	.00316	-.00203	.00059

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0066) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-8.007	.79974	-.01565	-.04257	.01359	.02689	.07165	.01749	.09934	-.06545	-.03369
-4.003	-3.963	.80049	-.11979	.09471	-.08179	-.06942	-.06892	.01840	.08964	-.05930	-.03258
-4.004	.041	.80014	.26268	.23854	-.18042	-.16851	.06399	.01535	.07924	-.05268	.03184
-3.998	4.055	.79949	.41497	.39126	-.28715	-.27549	.05448	.00658	.06945	-.04632	-.03131
GRADIENT	GRADIENT	GRADIENT	.03681	.03698	-.02561	-.02570	-.00180	-.00147	-.00252	.00162	-.00016

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.026	.80000	-.05876	-.08429	.04638	.05907	.06997	.01886	-.00190	.00152	-.00187
.000	-4.023	.79997	.07382	.04983	-.04682	-.03495	.06744	.01924	-.00073	.00082	-.00179
.000	.084	.79977	.21786	.19495	-.14676	-.13541	.06243	.01642	.00036	.00013	.00231
-.001	4.086	.79902	.36681	.34509	-.25114	-.24036	.05202	.00851	.00040	.00027	.00298
GRADIENT	GRADIENT	GRADIENT	.03613	.03641	-.02519	-.02593	-.00190	-.00132	.00014	-.00007	-.00015

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.005	.80002	-.03487	-.06215	.02459	.03813	.07099	.01632	-.10729	.07191	-.03186
3.997	-4.039	.80037	.10000	.07413	-.06996	-.05714	.06859	.01670	-.09524	.06467	-.03125
3.985	-.032	.80004	.23581	.21122	-.16411	-.15192	.06431	.01498	-.08401	.05780	-.02990
3.995	3.986	.79985	.37826	.35441	-.26339	-.25161	.05484	.00688	-.07144	.04925	-.02716
GRADIENT	GRADIENT	GRADIENT	.03468	.03493	-.02410	-.02423	-.00171	-.00122	.00297	-.00192	.00051

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0067) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.997	-8.055	.89927	-.04530	-.07417	.04144	.05574	.08777	.02983	.10105	-.06553	-.03399
-4.002	-3.990	.90007	.10023	.07353	-.04918	-.08221	.08221	.02854	.09105	-.05960	.03329
-4.001	.008	.90024	.25648	.23090	-.17258	-.15996	.07627	.02477	.08079	-.05344	.03338
-3.991	3.994	.90003	.41195	.38723	-.28272	-.27052	.07062	.02085	.07163	-.04682	.03187
GRADIENT		-.00000	.03904	.03929	-.02759	-.02772	-.00145	-.00096	-.00243	.00160	-.00018

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.034	.90011	-.09682	-.12445	.08171	.09538	.08636	.03086	-.00285	.00197	.00116
.000	-4.535	.90015	.02707	.00172	-.00746	.00508	.07992	.02902	.00027	-.00035	.00153
.000	-3.900	.90007	.05164	.02649	-.02487	-.01247	.07936	.02870	.00038	-.00039	.00147
-.000	.090	.89954	.20352	.17977	-.13329	-.12156	.07263	.02483	.00183	-.00140	.00223
.002	3.967	.89950	.35542	.33278	-.24052	-.22933	.06725	.02173	.00142	-.00065	.00356
GRADIENT		-.00008	.03856	.03888	-.02739	-.02755	-.00152	-.00088	-.00016	-.00006	.00024

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-7.984	.89977	-.07028	-.10004	.05662	.07124	.08868	.02849	-.10944	.07207	-.03284
3.998	-4.048	.89999	.07444	.04745	-.04642	-.03307	.08348	.02921	-.09770	.06546	-.03285
3.980	.049	.90009	.23618	.21069	-.16133	-.14876	.08133	.02997	-.09024	.06190	-.03198
3.997	4.005	.89971	.37653	.35178	-.26007	-.24793	.07074	.02062	-.07188	.04841	-.02619
GRADIENT		-.00003	.03752	.03780	-.02654	-.02669	-.00157	-.00106	.00320	-.00211	.00082

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0068) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

MACH = .950 IEABOX = 180.000
IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO.	732/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00	CAF	CY	CYN	CBL
BETA	ALPHA	CLM	CLMF	CA	CAF	CY	CYN	CBL		
-3.996	-8.059	.06322	.07820	.10603	.04521	.10318	-.06678	.03485		
-4.009	.08311	-.04393	-.02994	.09972	.04183	.09054	-.05812	.03322		
-4.003	.24928	-.16372	-.15033	.09335	.03782	.07709	-.04912	.03304		
-3.988	.41115	-.28017	-.26706	.08752	.03346	.06776	-.04310	.03157		
GRADIENT	-.00005	-.02960	-.02971	-.00153	-.00105	-.00285	.00188	-.00021		

RUN NO.	733/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00	CAF	CY	CYN	CBL
BETA	ALPHA	CLM	CLMF	CA	CAF	CY	CYN	CBL		
.001	-8.036	-.10310	.11725	.10343	.04550	-.00111	.00054	.00204		
.000	-4.026	-.00569	.00736	.09677	.04310	.00141	-.00126	.00223		
-.001	-.022	-.11702	-.10440	.09169	.03966	.00355	-.00305	.00354		
-.001	4.074	-.24161	-.22944	.08323	.03274	.00360	-.00305	.00398		
GRADIENT	-.00026	-.02913	-.02924	-.00167	-.00128	.00027	.00022	.00022		

RUN NO.	734/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00	CAF	CY	CYN	CBL
BETA	ALPHA	CLM	CLMF	CA	CAF	CY	CYN	CBL		
3.996	-7.942	.07732	.09267	.10635	.04246	-.11076	.07252	-.03342		
3.998	-4.041	-.02854	-.01400	.10367	.04319	-.09764	.06405	-.03252		
3.996	-.001	-.13329	-.10252	.10252	.04511	-.08858	.05912	-.03142		
3.999	3.998	-.25584	-.24288	.09022	.03635	-.07066	.04622	-.02616		
GRADIENT	-.00013	-.02828	-.02847	-.00167	-.00085	.00335	-.00222	.00079		

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0069) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.997	-7.964	1.04957	-.09223	-.12655	.09623	.11313	.12753	.05824	.10169	-.06535	.03870
-4.007	-3.961	1.05060	.07472	.04148	-.02527	-.00924	.12256	.05418	.08908	-.05635	.03782
-4.002	-.006	1.05018	.24082	.20882	-.14498	-.12960	.11829	.05231	.07803	-.04879	.03703
-3.999	4.084	1.05011	.40760	.37683	-.26633	-.25163	.11265	.04891	.06629	-.04075	.03310
	GRADIENT	-.00006	.04138	.04168	-.02996	-.03013	-.00123	-.00066	-.00283	.00194	-.00059

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.037	1.05112	-.13559	-.16860	.12896	.14509	.12675	.05966	.00086	-.00091	.00311
-.000	-4.035	1.05064	.02372	-.00759	.01340	.02860	.11979	.05581	.00369	-.00302	.00332
-.001	-.023	1.04965	.19332	.16304	-.09377	-.11558	.11558	.05348	.00559	-.00445	.00373
-.002	3.980	1.04968	.35727	.32716	-.22723	-.21266	.11246	.05073	.00766	-.00620	.00445
	GRADIENT	-.00012	.04162	.04177	-.03002	-.03010	-.00092	-.00063	.00050	-.00040	.00014

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.068	1.04979	-.12559	-.16081	.11868	.13561	.13747	.06487	-.12462	.08299	-.03940
3.997	-4.012	1.05097	.06003	.02557	-.01462	.00201	.14801	.07721	-.12285	.08295	-.04121
3.994	.019	1.05033	.23520	.20239	-.14024	-.12441	.15244	.08500	-.11419	.07795	-.04023
3.995	3.989	1.04978	.38540	.35529	-.24978	-.23517	.13795	.07641	-.08764	.05806	-.03226
	GRADIENT	-.00015	.04067	.04122	-.02940	-.02965	-.00125	-.00009	.00439	-.00311	.00112

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.100 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 738/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.997	-8.095	1.09720	- .12362	- .16413	.12814	.14778	.14722	.06429	.09925	-.06462	-.03868
-4.011	-3.961	1.10108	.04480	.00634	.00535	.02392	.14199	.06298	.08759	-.05636	.03797
-4.001	-.000	1.10037	.21207	.17530	-.11664	-.09895	.13712	.06137	.07942	-.05124	.03834
-3.997	4.095	1.09979	.37839	.34344	-.23934	-.22265	.12965	.05719	.07082	-.04579	.03537
	GRADIENT	-.00016	.04141	.04184	-.03037	-.03061	-.00153	-.00072	-.00208	.00131	-.00033

RUN NO. 739/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.044	1.10170	- .15823	- .19631	.15421	.17265	.14488	.06686	-.00145	.00071	.00230
.000	-4.739	1.10104	-.02677	-.06330	.05818	.07580	.13955	.06448	.00048	-.00067	.00240
.000	-4.041	1.10007	.00023	-.03608	.03891	.05641	.13844	.06374	.00141	-.00143	.00256
-.001	-.026	1.10028	.17208	.13667	-.08590	-.06893	.13452	.06135	.00352	-.00290	.00288
-.002	3.968	1.09914	.33280	.29771	-.20336	-.18662	.13125	.05839	.00518	-.00419	.00325
	GRADIENT	-.00016	.04150	.04167	-.03020	-.03030	-.00094	-.00068	.00052	-.00038	.00009

RUN NO. 740/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.069	1.10038	- .14618	- .18682	.14431	.16383	.16354	.07969	-.13004	.08846	-.04093
3.997	-4.075	1.10049	.03285	-.00598	.01406	.03292	.17025	.09093	-.12962	.08961	-.04303
3.996	.013	1.10051	.21258	.17563	-.11683	-.09888	.17411	.09862	-.12532	.08825	-.04360
4.003	4.061	1.09966	.36268	.32816	-.22673	-.20994	.16142	.09099	-.10390	.07304	-.03746
	GRADIENT	-.00010	.04055	.04108	-.02960	-.02985	-.00108	.00001	.00316	-.00203	.00068

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0071) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 741/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.996	-7.961	1.14755	-.10599	-.14038	.11245	.12917	.13950	.06926	.09827	-.06323	.03835
-4.014	-3.954	1.15084	.06724	.03442	-.01533	.00052	.13642	.06902	.08768	-.05623	.03946
-4.002	-.009	1.14981	.23299	.20081	-.13657	-.12108	.13440	.06817	.08025	-.05181	.03829
-3.989	4.006	1.14979	.38582	.35427	-.24721	-.23206	.12967	.06450	.07105	-.04583	.03566
	GRADIENT	-.00013	.04002	.04018	-.02913	-.02922	-.00085	-.00057	-.00209	.00131	-.00048

RUN NO. 742/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.060	1.15041	-.14507	-.17735	.14221	.15788	.13796	.07193	-.00087	.00063	.00235
-.000	-4.055	1.15170	.02832	-.00250	.01420	.02909	.13318	.06996	.00121	-.00079	.00288
-.001	-.038	1.15042	.19713	.16658	-.10951	-.09484	.13223	.06917	.00355	-.00264	.00341
-.002	4.079	1.14856	.35282	.32188	-.22213	-.20741	.12965	.06531	.00554	-.00416	.00353
	GRADIENT	-.00039	.03989	.03987	-.02905	-.02907	-.00044	-.00057	.00053	-.00041	.00008

RUN NO. 743/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.045	1.14790	-.13069	-.16708	.13104	.14859	.15782	.08301	-.12957	.08786	-.04114
4.004	-4.022	1.15203	.05794	.02445	-.00807	.00818	.16759	.09911	-.13368	.09323	-.04497
3.995	.013	1.15113	.22553	.19310	-.13015	-.11440	.16972	.10346	-.12267	.08623	-.04261
4.004	4.093	1.14956	.37402	.34336	-.23803	-.22309	.15956	.09708	-.10275	.07207	-.03733
	GRADIENT	-.00031	.03895	.03930	-.02834	-.02850	-.00099	-.00025	.00381	-.00261	.00094

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0072) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 DB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 745/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.005	-7.964	1.24881	-.09058	-.12080	.10001	.11484	.14066	.07948	.09870	-.06435	-.03939
-4.015	-3.941	1.24930	.07825	.04875	-.02621	-.01185	.13911	.07898	.08827	-.05699	.03819
-4.003	-.008	1.24983	.24263	.21391	-.14763	-.13368	.13793	.07927	.08037	-.05219	.03693
-3.986	3.998	1.25035	.38664	.35865	-.25261	-.23904	.13388	.07657	.07284	-.04789	.03528
	GRADIENT	.00013	.03884	.03903	-.02851	-.02861	-.00066	-.00031	-.00194	.00115	-.00037

RUN NO. 746/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.060	1.25028	-.12318	-.15164	.12507	.13899	.13829	.08051	.00109	-.00094	.00266
-.000	-4.039	1.25038	.04468	.01727	-.00155	.01181	.13593	.08010	.00349	-.00289	.00346
-.001	-.024	1.24955	.21249	.18525	-.12499	-.11181	.13530	.07947	.00572	-.00483	.00399
.001	3.969	1.25029	.35580	.32818	-.22811	-.21488	.13362	.07651	.00707	-.00593	.00456
	GRADIENT	-.00001	.03885	.03882	-.02829	-.02831	-.00029	-.00045	.00045	-.00038	.00014

RUN NO. 747/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-8.069	1.24960	-.11763	-.15028	.12029	.13619	.16060	.09402	-.13314	.09123	-.04283
4.002	-4.032	1.25041	.05702	.02642	-.01069	.00427	.16373	.10157	-.12523	.08603	-.04189
3.995	.007	1.25035	.22410	.19518	-.13377	-.11966	.16526	.10642	-.11342	.07798	-.03958
4.007	4.096	1.24987	.36723	.33917	-.23712	-.22339	.15821	.10123	-.09947	.06929	-.03611
	GRADIENT	-.00007	.03816	.03847	-.02785	-.02801	-.00068	-.00004	.00317	-.00206	.00071

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0073) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1427/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-7.967	1.24944	-.10147	-.13171	.10949	.12437	.13937	.07829	.10175	-.06644	-.04063
-4.015	-3.945	1.25010	.06775	.03844	-.01732	-.00301	.13725	.07767	.09031	-.05841	.03947
-3.998	-.005	1.25041	.23395	.20547	-.14017	-.12635	.13613	.07792	.08199	-.05337	.03800
-3.988	3.995	1.24988	.37719	.34940	-.24474	-.23129	.13180	.07483	.07430	-.04885	.03576
	GRADIENT	-.00003	.03896	.03915	-.02864	-.02874	-.00069	-.00036	-.00202	.00120	-.00047

RUN NO. 1428/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.038	1.25007	-.13399	-.16237	.13435	.14824	.13677	.07917	-.00006	-.00021	.00244
.001	-5.156	1.25035	-.01578	-.04333	.04496	.05841	.13453	.07848	.00166	-.00158	.00305
.000	-4.030	1.25005	.03328	.00611	.00822	.02144	.13385	.07843	.00286	-.00251	.00342
-.001	-.018	1.24963	.20025	.17325	-.11476	-.10173	.13310	.07758	.00537	-.00465	.00413
-.002	3.974	1.24971	.34607	.31847	-.21993	-.20671	.13228	.07521	.00736	-.00604	.00455
	GRADIENT	-.00004	.03908	.03903	-.02851	-.02851	-.00020	-.00040	.00056	-.00044	.00014

RUN NO. 1429/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.087	1.24929	-.12643	-.15886	.12746	.14326	.15548	.08939	-.12462	.08450	-.04063
3.999	-4.108	1.25015	.04343	.01314	-.00003	.01477	.15731	.09578	-.11593	.07862	-.03975
3.995	.016	1.25009	.21256	.18404	-.12455	-.11063	.15919	.10115	-.10397	.07055	-.03741
4.004	4.083	1.24914	.35390	.32592	-.22661	-.21297	.15202	.09510	-.09050	.06211	-.03403
	GRADIENT	-.00012	.03791	.03819	-.02767	-.02781	-.00064	-.00008	.00310	-.00202	.00070

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0074) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABDX = 180.000
IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1431/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.999	-7.958	1.29979	-.09436	-.12364	.10356	.11791	.14081	.08148	.10292	-.06799	.04044
-4.020	-3.942	1.30005	.07074	.04248	-.02192	-.00811	.13757	.08010	.09072	-.05892	.03875
-3.997	-.013	1.29996	.23329	.20569	-.14258	-.12918	.13664	.08026	.08041	-.05183	.03700
-3.983	3.996	1.29974	.37472	.34745	-.24511	-.23190	.13347	.07758	.07251	-.04723	.03514
	GRADIENT	-.00004	.03828	.03841	-.02811	-.02818	-.00052	-.00032	-.00229	-.00147	-.00046

RUN NO. 1432/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.063	1.29976	-.12595	-.15368	.12675	.14030	.13843	.08207	-.00103	.00075	.00212
.000	-4.039	1.30001	.04060	.01377	.00063	.01366	.13559	.08075	.00024	-.00022	.00305
.000	-.022	1.30009	.20491	.17821	-.12106	-.10812	.13544	.08074	.00316	-.00274	.00365
-.002	3.970	1.30016	.34705	.31991	-.22383	-.21080	.13403	.07800	.00538	-.00430	.00393
	GRADIENT	.00002	.03827	.03823	-.02803	-.02803	-.00019	-.00034	.00064	-.00051	.00011

RUN NO. 1433/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.078	1.29955	-.12326	-.15489	.12363	.13907	.15278	.08842	-.12235	.08348	-.03975
4.003	-4.020	1.30027	.04371	.01345	-.00230	.01242	.15379	.09203	-.11208	.07587	-.03804
3.996	.021	1.30025	.21077	.18298	-.12669	-.11316	.15435	.09767	-.10027	.06787	-.03585
4.005	4.094	1.29976	.35283	.32550	-.22860	-.21528	.15011	.09446	-.08786	.05997	-.03333
	GRADIENT	-.00006	.03809	.03845	-.02789	-.02806	-.00045	.00030	.00298	-.00196	.00058

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0075) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.350 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1435/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-8.019	1.34953	-.09345	-.12236	.10248	.11670	.14251	.08412	.10494	-.06980	.03991
-4.002	-4.024	1.35011	.06075	.03295	-.01577	-.00215	.13898	.08262	.09131	-.05928	.03770
-3.999	-.006	1.34992	.22884	.20162	-.14154	-.12830	.13647	.08093	.07972	-.05117	.03611
-3.983	3.992	1.34965	.37119	.34432	-.24409	-.23106	.13451	.07952	.07260	-.04761	.03436
	GRADIENT	-.00006	.03873	.03885	-.02849	-.02856	-.00056	-.00039	-.00233	.00146	-.00042

RUN NO. 1436/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.103	1.34944	-.12453	-.15175	.12499	.13830	.14055	.08526	.00017	.00000	.00235
.000	-4.048	1.35053	.03990	.01367	-.00075	.01198	.13612	.08248	.00244	-.00194	.00335
.000	-.034	1.34984	.20314	.17721	-.12195	-.10938	.13558	.08249	.00442	-.00372	.00388
-.002	3.963	1.34948	.34539	.31838	-.22416	-.21112	.13631	.08085	.00608	-.00505	.00436
	GRADIENT	-.00013	.03814	.03804	-.02789	-.02785	.00002	-.00020	.00045	-.00039	.00013

RUN NO. 1437/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-8.084	1.34933	-.12152	-.15263	.12145	.13663	.15144	.08811	-.11897	.08112	-.03847
4.001	-4.001	1.34995	.04288	.01320	-.00383	.01060	.15057	.08999	-.10785	.07274	-.03646
4.000	-.001	1.34996	.20126	.17241	-.12182	-.10782	.15080	.09180	-.09473	.06376	-.03367
4.000	4.042	1.34974	.34343	.31616	-.22407	-.21079	.14662	.09106	-.05286	.05622	-.03136
	GRADIENT	-.00003	.03736	.03766	-.02738	-.02752	-.00049	.00013	.00311	-.00205	.00063

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0076) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABDX = 180.000
IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1438/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-7.957	1.40011	-.08638	-.11530	.09690	.11113	.14501	.08661	.10504	-.07068	.03930
-4.017	-3.943	1.40013	.06003	.03248	-.01682	-.00330	.14013	.08432	.09175	-.06031	.03657
-4.007	.002	1.40019	.22539	.19863	-.14068	-.12763	.13758	.08311	.08015	-.05203	.03514
-3.982	3.991	1.40011	.36742	.34086	-.24343	-.23053	.13558	.08131	.07120	-.04662	.03380
	GRADIENT	-.00000	.03874	.03886	-.02856	-.02863	-.00057	-.00038	-.00259	.00172	-.00035

RUN NO. 1439/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.091	1.39962	-.12122	-.14807	.12225	.13538	.14252	.08801	.00168	-.00162	.00282
.000	-4.865	1.40001	.00089	-.02541	.02764	.04044	.13814	.08454	.00318	-.00287	.00352
-.000	-4.026	1.40031	.03598	.01011	.00056	.01314	.13747	.08465	.00358	-.00324	.00377
-.001	-.033	1.39975	.19940	.17314	-.12169	-.10896	.13693	.08318	.00477	-.00417	.00427
-.002	3.965	1.39990	.34228	.31560	-.22445	-.21153	.13662	.08197	.00591	-.00513	.00447
	GRADIENT	-.00003	.03880	.03873	-.02865	-.02863	-.00015	-.00031	.00031	-.00025	.00010

RUN NO. 1440/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.082	1.40004	-.11883	-.14962	.11882	.13388	.15102	.08847	-.11680	.07975	-.03763
4.009	-4.050	1.40031	.03474	.00587	-.00034	.01375	.14474	.08602	-.10352	.06941	-.03437
3.998	.020	1.40049	.19614	.16762	-.12015	-.10631	.14827	.08998	-.09113	.06088	-.03227
4.000	4.045	1.40013	.33659	.30879	-.22125	-.20773	.14465	.08790	-.07905	.05298	-.03003
	GRADIENT	-.00002	.03729	.03743	-.02730	-.02737	-.00001	.00023	.00302	-.00203	.00054

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0077) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1441/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.940	-7.936	1.54891	-.08015	-.10794	.09121	.10480	.14877	.09235	.10001	-.06755	.03722
-3.917	-3.971	1.54955	.04122	.01419	-.00421	.00901	.14085	.08594	.08982	-.06006	.03320
-3.901	-.025	1.54931	.19772	.17202	-.12405	-.11153	.13493	.08260	.07893	-.05226	.03217
-3.919	3.934	1.54959	.33811	.31350	-.22721	-.21522	.13034	.08016	.06908	-.04563	.03188
	GRADIENT	.00000	.03756	.03786	-.02821	-.02836	-.00133	-.00073	-.00262	.00183	-.00017

RUN NO. 1442/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.943	1.54887	-.10941	-.13520	.11276	.12540	.14675	.09445	.00021	-.00024	.00194
-.001	-3.940	1.54991	.01995	-.00521	.01064	.02285	.13873	.08728	.00218	-.00209	.00286
-.000	.068	1.54908	.17511	.14983	-.10852	-.09628	.13430	.08251	.00394	-.00366	.00336
-.001	4.054	1.54885	.31892	.29388	-.21348	-.20134	.13126	.08002	.00418	-.00372	.00358
	GRADIENT	-.00013	.03740	.03742	-.02804	-.02805	-.00094	-.00091	.00025	-.00020	.00009

RUN NO. 1443/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.042	-8.147	1.54870	-.11081	-.13798	.11226	.12553	.15176	.09652	-.11217	.07696	-.03635
4.071	-4.160	1.55000	.01080	-.01644	.01667	.02997	.14201	.08661	-.09732	.06549	-.03175
4.098	.019	1.54937	.17196	.14314	-.10640	-.09243	.14128	.08232	-.08397	.05621	-.02901
4.069	4.115	1.54922	.31529	.28800	-.21099	-.19780	.13867	.08270	-.07478	.05020	-.02832
	GRADIENT	-.00009	.03680	.03679	-.02752	-.02753	-.00040	-.00047	.00273	-.00185	.00041

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0078) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = 180.000
IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 1559/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA ALPHA MACH CN CNF CLM CLMF CA CAF CY CYN CBL
-4.040 -8.050 1.39943 -.10994 -.13904 .11833 .13265 .14542 .08668 .10767 -.07236 .04037
-4.063 -3.921 1.39987 .04220 .01474 .00004 .01350 .13877 .08313 .09348 -.06126 .03723
-4.071 -.014 1.40069 .20568 .17926 -.12277 -.10992 .13589 .08196 .08176 -.05289 .03574
-4.053 3.987 1.39965 .34814 .32177 -.22647 -.21368 .13325 .07928 .07308 -.04775 .03446
GRADIENT -.00003 .03868 -.03881 -.02863 -.02872 -.00070 -.00049 -.00258 .00171 -.00035

RUN NO. 1560/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA ALPHA MACH CN CNF CLM CLMF CA CAF CY CYN CBL
-4.002 -8.018 1.39952 -.13830 -.16512 .13875 .15186 .14243 .08794 .00175 -.00157 .00318
-4.003 -4.879 1.39979 -.01841 -.04445 .04547 .05813 .13712 .08396 .00302 -.00265 .00373
-4.004 -4.010 1.40021 .01877 -.00691 .01681 .02928 .13583 .08332 .00381 -.00335 .00403
-4.005 -.034 1.39961 .18114 .15530 -.09227 .09227 .13460 .08163 .00498 -.00426 .00454
-4.006 4.002 1.39889 .32498 .29840 -.20870 -.19588 .13379 .07913 .00617 -.00524 .00470
GRADIENT -.00012 .03876 -.03869 -.02866 -.02866 -.00034 -.00053 .00033 -.00027 .00011

RUN NO. 1561/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA ALPHA MACH CN CNF CLM CLMF CA CAF CY CYN CBL
4.000 -8.046 1.39997 -.13570 -.16589 .13501 .14973 .15255 .09112 -.11874 .08110 -.03778
3.987 -4.024 1.39988 .01478 -.01350 .01808 .03183 .14391 .08618 .10309 .06896 -.03413
3.977 .010 1.40044 .17640 .14916 -.10276 -.08950 .14466 .08912 .09081 .06044 -.03200
3.988 4.047 1.39973 .31773 .29044 -.20446 -.19125 .14143 .08555 .07818 .05214 .02960
GRADIENT -.00002 .03754 .03766 -.02757 -.02764 -.00031 -.00008 .00309 .00208 .00056

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0079) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 1563/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.982	-7.934	1.54903	-.09643	-.12413	.10668	.12023	.14921	.09298	.10121	-.06828	.03768
-3.977	-3.871	1.54918	.02724	.00021	.00920	.02242	.13989	.08501	.09034	-.06020	.03342
-3.966	-.015	1.54897	.18083	.15582	-.10878	-.09655	.13261	.08182	.08022	-.05304	.03261
-3.980	3.943	1.54971	.32039	.29627	-.21187	-.20010	.12728	.07822	.07054	-.04660	.03231
	GRADIENT	.00007	.03750	.03788	-.02828	-.02846	-.00161	-.00087	-.00253	.00174	-.00014

RUN NO. 1564/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.988	1.54922	-.12705	-.15251	.12872	.14120	.14649	.09492	.00054	-.00037	.00220
-.004	-3.934	1.55008	.00228	-.02247	.02659	.03861	.13739	.08684	.00246	-.00221	.00296
-.005	.070	1.54907	.15758	.13274	-.09278	-.08075	.13158	.08070	.00405	-.00365	.00359
-.005	4.070	1.54731	.30363	.27890	-.19917	-.18718	.12911	.07854	.00401	-.00353	.00372
	GRADIENT	-.00035	.03765	.03765	-.02821	-.02821	-.00103	-.00104	.00019	-.00017	.00009

RUN NO. 1565/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.046	-8.125	1.54866	-.12471	-.15184	.12541	.13867	.15180	.09667	-.11280	.07733	-.03625
4.061	-4.089	1.54841	-.00462	-.03121	.03060	.04359	.13964	.08558	-.09593	.06419	-.03101
4.083	.021	1.54993	.15401	.12606	-.09084	-.07728	.13688	.07973	-.08343	.05566	-.02846
4.061	4.094	1.54893	.29653	.26977	-.19480	-.18184	.13506	.08023	-.07458	.04997	-.02796
	GRADIENT	.00006	.03681	.03678	-.02755	-.02755	-.00056	-.00066	.00261	-.00174	.00037

IA613A(AEDC 16TF-829) B/L 0T + ASRM+PLUMES S1,2

(RC0080) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.999	-8.037	.60009	.01087	-.00645	-.01231	-.00473	.05097	.01242	.09840	-.06500	.03170
-3.999	-4.000	.59999	.13252	.11731	-.09655	-.08996	.04949	.01541	.08892	-.05907	.03055
-4.005	.051	.60102	.26259	.24983	-.18576	-.18035	.04275	.01376	.07798	-.05211	.02943
-4.004	3.901	.60012	.38747	.37591	-.27237	-.26779	.03130	.00376	.06696	-.04447	.02774
	GRADIENT	.00002	.03227	.03273	-.02225	-.02251	-.00230	-.00147	-.00278	-.00185	-.00035

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-7.941	.59991	-.02000	-.03401	.01188	.01779	.04862	.01662	-.00022	.00040	.00135
.000	-3.929	.60042	.09575	.08388	-.06821	-.06316	.04638	.01946	.00114	-.00047	.00172
-.000	.073	.60083	.22094	.21114	-.15426	-.15022	.04020	.01748	.00175	-.00088	.00212
-.001	4.051	.60032	.34850	.34022	-.24275	-.23954	.02852	.00856	.00282	-.00146	.00267
	GRADIENT	-.00001	.03167	.03212	-.02187	-.02210	-.00224	-.00137	.00021	-.00012	.00012

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.048	.59955	-.00177	-.01878	-.00558	.00198	.05045	.01306	-.10295	.06864	-.02958
3.999	-4.007	.60103	.12008	.10574	-.09018	-.08403	.04841	.01603	-.09067	.06122	-.02862
3.994	-.043	.60042	.24066	.22810	-.17295	-.16764	.04179	.01319	-.07791	.05318	-.02683
3.996	4.003	.60007	.36261	.35285	-.25712	-.25296	.02831	.00618	-.06359	.04350	-.02361
	GRADIENT	-.00012	.03028	.03085	-.02084	-.02109	-.00251	-.00123	.00338	-.00221	.00063

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (RC0081) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 760/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.997	-8.037	.79964	.01500	-.00259	-.01586	-.00792	.05608	.01786	.09830	-.06450	.03217
-4.005	-3.957	.80025	.14592	.13176	-.10749	-.10125	.05103	.01968	.08817	-.05797	.03132
-4.004	.060	.79994	.28315	.27089	-.20217	-.19687	.04431	.01682	.07768	-.05142	.03072
-3.994	3.999	.79982	.42635	.41597	-.30247	-.29823	.03312	.00890	.06756	-.04468	.02981
	GRADIENT	-.00005	.03525	.03572	-.02451	-.02476	-.00225	-.00135	-.00259	-.00167	-.00019

RUN NO. 761/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-7.904	.79994	-.02793	-.04214	.01674	.02286	.05195	.01996	-.00099	.00107	.00162
.000	-3.927	.80054	.09628	.08488	-.07019	-.06528	.04752	.02187	-.00046	.00083	.00162
-.001	.089	.79984	.23296	.22345	-.16455	-.16048	.04147	.01996	.00068	-.00000	.00228
-.001	4.097	.79929	.37511	.36750	-.26376	-.26063	.02978	.01213	.00141	-.00055	.00298
	GRADIENT	-.00016	.03475	.03522	-.02412	-.02435	-.00221	-.00121	.00023	-.00017	.00017

RUN NO. 762/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.019	.79967	.00019	-.01689	-.00847	-.00101	.05416	.01611	-.10403	.06916	-.02997
3.996	-4.036	.80079	.12726	.11314	-.09719	-.09115	.04949	.01759	-.09278	.06235	-.02969
3.985	-.046	.80040	.25502	.24301	-.18521	-.18007	.04275	.01557	-.07903	.05361	-.02797
4.006	3.924	.79982	.38822	.37846	-.27750	-.27336	.03144	.00927	-.06508	.04381	-.02475
	GRADIENT	-.00012	.03278	.03333	-.02265	-.02289	-.00227	-.00104	.00348	-.00233	.00062

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,2

(RC0082) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 765/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.993	-8.076	.89956	-.00596	-.02343	.00117	.00913	.06443	.02679	.09973	-.06420	.03254
-4.006	-3.987	.90035	.13201	.11834	-.09603	-.08989	.05696	.02718	.08952	-.05821	.03165
-4.005	.105	.90008	.28840	.27699	-.20553	-.20048	.04964	.02450	.07846	-.05150	.03159
-3.992	4.003	.89989	.43623	.42675	-.30967	-.30571	.04264	.02089	.07052	-.04606	.02897
GRADIENT	GRADIENT	-.00006	.03808	.03860	-.02674	-.02701	-.00179	-.00079	-.00238	.00152	-.00033

RUN NO. 766/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-7.910	.90074	-.05412	-.06824	.03826	.04456	.05987	.02892	-.00037	.00018	.00194
.000	-4.528	.90005	.05708	.04548	-.04029	-.03518	.05377	.02812	.00070	-.00048	.00177
-.002	-3.906	.89981	.07848	.06710	-.05031	-.05297	.05275	.02775	.00072	-.00048	.00171
-.000	-.016	.89992	.22081	.21144	-.15527	-.15107	.04631	.02586	.00147	-.00095	.00221
-.001	3.966	.89963	.37025	.36314	-.26009	-.25691	.03855	.02300	.00089	-.00017	.00333
GRADIENT	GRADIENT	-.00003	.03690	.03743	-.02590	-.02612	-.00180	-.00059	.00004	.00002	.00019

RUN NO. 767/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-7.986	.89964	-.02271	-.04027	.00873	.01653	.06296	.02435	-.10542	.06839	-.02989
3.996	-4.036	.90052	.11256	.09895	-.08560	-.07972	.05548	.02493	-.09145	.05995	-.02949
3.980	.031	.90033	.25880	.24767	-.18748	-.18270	.05064	.02555	-.07953	.05299	-.02900
4.002	3.992	.89969	.39349	.38400	-.28127	-.27714	.04088	.01969	-.06581	.04334	-.02294
GRADIENT	GRADIENT	-.00010	.03500	.03551	-.02438	-.02459	-.00182	-.00065	.00319	-.00207	.00081

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0083) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-8.070	.94836	-.02666	-.04329	.01948	.02710	.07133	.03564	.10006	-.06410	.03227
-4.004	-3.923	.95022	.11773	.10512	-.08303	-.07727	.06310	.03598	.08759	-.05584	.03154
-4.003	-.008	.95023	.27204	.26167	-.19256	-.18775	.05605	.03402	.07597	-.04841	.03135
-3.987	3.988	.94976	.42115	.41294	-.29774	-.29400	.04815	.03043	.06713	-.04259	.03014
	GRADIENT	-.00006	.03835	.03891	-.02714	-.02739	-.00189	-.00070	-.00258	.00167	-.00018

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.035	.95002	-.07530	-.09005	.05728	.06400	.07008	.03827	-.00138	.00149	.00145
.000	-4.021	.95077	.05972	.04925	-.03933	-.03468	.05982	.03682	.00081	-.00040	.00172
-.001	.094	.95116	.21538	.20707	-.15011	-.14624	.05238	.03476	.00113	-.00056	.00253
-.001	3.974	.94958	.36739	.36159	-.25715	-.25437	.04358	.03155	.00076	-.00007	.00329
	GRADIENT	-.00015	.03848	.03906	-.02724	-.02747	-.00203	-.00066	-.00001	.00004	.00020

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.994	-7.988	.94913	-.04219	-.05878	.02654	.03396	.07044	.03417	-.10505	.06728	-.02969
3.997	-4.053	.94977	.09536	.08186	-.07097	-.06499	.06167	.03193	-.08978	.05748	-.02961
3.983	.074	.95287	.24711	.23596	-.17751	-.17253	.05905	.03462	-.07860	.05115	-.02558
4.000	3.990	.94807	.38307	.37453	-.27285	-.26881	.04695	.02909	-.06229	.03920	-.02338
	GRADIENT	-.00020	.03578	.03640	-.02511	-.02535	-.00182	-.00034	.00341	-.00227	.00077

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0084) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABDX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.997	-8.010	1.04814	-.04900	-.06805	.04771	.05652	.09518	.05459	.09771	-.06053	.03493
-3.998	-4.014	1.05130	.11523	.09818	-.07018	-.06236	.09062	.05406	.08431	-.05110	.03427
-4.006	-.013	1.04991	.28213	.26734	-.19095	-.18417	.08427	.05254	.07212	-.04285	.03351
-3.985	3.991	1.04964	.44122	.42853	-.30597	-.30020	.07815	.05077	.06144	-.03599	.03002
	GRADIENT	-.00021	.04073	.04127	-.02946	-.02971	-.00156	-.00041	-.00286	.00189	-.00053

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-0.003	-7.923	1.04833	-.08781	-.10409	.07839	.08604	.09340	.05918	.00025	-.00035	.00255
-.001	-4.029	1.05158	.05800	.04237	-.02545	-.01801	.09055	.05809	.00408	-.00334	.00325
-.002	-.017	1.05105	.22920	.21455	-.14868	-.14175	.08536	.05475	.00543	-.00427	.00374
-.002	4.082	1.04940	.39779	.38677	-.27275	-.26745	.07537	.05263	.00684	-.00563	.00522
	GRADIENT	-.00027	.04189	.04246	-.03049	-.03076	-.00187	-.00067	.00034	-.00028	.00024

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.059	1.04705	-.07526	-.09417	.06276	.07165	.09407	.05427	.10149	.06234	-.03198
3.997	-4.068	1.05352	.09652	.07801	-.05780	-.04898	.10695	.06848	-.09992	.06280	-.03479
3.993	.006	1.05074	.26538	.24937	-.17894	-.17137	.10711	.07365	-.09035	.05705	-.03323
4.004	4.058	1.04948	.41082	.39800	-.28511	-.27913	.08506	.05793	-.06351	.03775	-.02454
	GRADIENT	-.00050	.03868	.03938	-.02798	-.02832	-.00269	-.00130	.00448	-.00308	.00126

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(RC0085) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.996	-8.082	1.09723	-.08058	-.10488	.08162	.09311	.11766	.06683	.09607	-.06155	.03606
-4.009	-3.955	1.10231	.08596	.06569	-.04014	-.03057	.10861	.06619	.08361	-.05233	.03500
-4.005	-.017	1.10044	.24833	.22952	-.15806	-.14915	.10365	.06433	.07442	-.04611	.03484
-3.983	3.992	1.09952	.40665	.38919	-.27419	-.26577	.09843	.06252	.06606	-.04096	.03214
	GRADIENT	-.00035	.04035	.04071	-.02945	-.02960	-.00128	-.00046	-.00221	.00143	-.00036

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.060	1.10056	-.12069	-.14073	.11132	.12089	.11204	.07047	-.00033	-.00023	.00252
-.000	-4.760	1.10186	.00711	-.01133	.01875	.02762	.10740	.06942	.00224	-.00217	.00284
-.002	-4.038	1.10043	.03356	.01515	.00008	.00896	.10656	.06872	.00291	-.00276	.00287
-.001	-.027	1.09973	.20084	.18281	-.12044	-.11169	.10312	.06627	.00440	-.00382	.00310
-.002	3.972	1.09978	.36273	.34591	-.23952	-.23124	.09808	.06415	.00631	-.00544	.00397
	GRADIENT	-.00019	.04092	.04110	-.02972	-.02978	-.00105	-.00060	.00045	-.00035	.00012

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.034	1.09892	-.10309	-.12851	.09431	.10659	.11911	.06692	-.10720	.06911	-.03465
4.002	-4.011	1.10103	.07253	.05110	-.03258	-.02219	.12461	.08079	-.10601	.06947	-.03644
3.995	.014	1.10082	.23915	.21942	-.15250	-.14290	.12739	.08717	-.09962	.06600	-.03599
4.002	4.063	1.09992	.38607	.36824	-.25968	-.25102	.11481	.07837	-.07634	.04910	-.02909
	GRADIENT	-.00014	.03883	.03927	-.02812	-.02834	-.00122	-.00030	.00368	-.00253	.00091

0-7

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0086) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-8.078	1.14742	-.06760	-.08580	.06977	-.07833	.11091	.07264	.09627	-.06108	.03608
-4.020	-3.947	1.15129	.10815	.09237	-.06031	-.05291	.10540	.07216	.08440	-.05284	.03673
-4.002	-.008	1.15002	.26702	.25258	-.17581	-.16900	.10174	.07147	.07553	-.04698	.03497
-4.001	4.087	1.14945	.41842	.40521	-.28535	-.27905	.09602	.08860	.06590	-.04047	.03170
	GRADIENT	-.00023	.03861	.03893	-.02800	-.02814	-.00117	-.00044	-.00230	.00154	-.00063

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.030	1.14853	-.10578	-.12119	.09912	.10643	.10801	.07590	-.00168	.00106	.00193
-.000	-4.053	1.15224	.05925	.04555	-.02227	-.01564	.10345	.07538	.00190	-.00156	.00288
-.001	-.033	1.15125	.22555	.21228	-.14356	-.13708	.10116	.07419	.00431	-.00343	.00345
-.002	4.092	1.14909	.37997	.36763	-.25591	-.24980	.09562	.07081	.00662	-.00525	.00404
	GRADIENT	-.00039	.03937	.03954	-.02868	-.02874	-.00096	-.00056	.00058	-.00045	.00014

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.090	1.14649	-.09165	-.11076	.08433	.09358	.11432	.07517	-.10785	.06969	-.03507
3.999	-4.007	1.15127	.09545	.07886	-.05246	-.04441	.12473	.09079	-.11055	.07363	-.03862
3.994	.007	1.15166	.25308	.23775	-.16603	-.15853	.12615	.09506	-.09740	.06447	-.03536
4.004	4.077	1.14969	.39336	.38000	-.26748	-.26096	.11278	.08561	-.07379	.04691	-.02832
	GRADIENT	-.00020	.03685	.03725	-.02660	-.02679	-.00148	-.00065	.00455	-.00331	.00128

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC0087) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 788/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-7.964	1.24888	-.05703	-.07443	.05358	.07174	.11771	.08102	.09726	-.06280	.03752
-4.012	-3.952	1.25044	.11008	.09481	-.06248	-.05524	.11285	.08098	.08643	-.05505	.03624
-4.008	-.009	1.25024	.26981	.25585	-.17955	-.17289	.11094	.08199	.07759	-.04936	.03504
-3.989	4.001	1.24980	.40904	.39650	-.28027	-.27422	.10586	.08008	.06936	-.04437	.03293
	GRADIENT	-.00008	.03758	.03793	-.02738	-.02753	-.00088	-.00011	-.00215	.00134	-.00042

RUN NO. 789/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.075	1.24943	-.09544	-.11001	.09340	.10039	.11356	.08347	-.00009	-.00024	.00200
-.000	-4.041	1.25050	.07232	.05884	-.03280	-.02624	.11128	.08378	.00316	-.00275	.00308
-.001	-.024	1.25014	.23545	.22226	-.15263	-.14614	.10991	.08327	.00553	-.00479	.00371
-.002	4.091	1.24921	.37682	.36425	-.25387	-.24763	.10577	.08059	.00718	-.00608	.00451
	GRADIENT	-.00016	.03744	.03755	-.02718	-.02722	-.00068	-.00039	.00049	-.00041	.00018

RUN NO. 790/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-8.082	1.24904	-.08464	-.10311	.08143	.09029	.12534	.08721	-.11782	.07857	-.03863
3.997	-4.090	1.25065	.08586	.06923	-.04585	-.03780	.12851	.09444	-.10914	.07261	-.03753
4.000	.014	1.25014	.24692	.23176	-.16310	-.15567	.13051	.09976	-.09704	.06407	-.03498
4.010	4.100	1.25061	.38353	.37038	-.26115	-.25464	.12179	.09538	-.08139	.05391	-.03095
	GRADIENT	-.00001	.03635	.03678	-.02629	-.02648	-.00082	.00012	.00339	-.00228	.00080

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0088) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABDX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1400/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-7.961	1.24951	-.04464	-.05172	.04780	.05102	.09855	.08326	.09682	-.06188	.03682
-4.015	-3.937	1.25040	.11960	.11382	-.07554	-.07273	.09399	.08214	.08527	-.05340	.03561
-4.002	.032	1.24995	.27991	.27485	-.19250	-.18988	.09317	.08343	.07569	-.04711	.03402
-3.986	3.996	1.24986	.41342	.40941	-.28863	-.28650	.08781	.08029	.06621	-.04089	.03080
	GRADIENT	-.00007	.03704	.03726	-.02686	-.02695	-.00078	-.00023	-.00240	-.00158	-.00061

RUN NO. 1401/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.051	1.24945	-.08607	-.09188	.08041	.08320	.09658	.08461	-.00060	.00003	.00212
.000	-5.154	1.25009	.02833	.02271	-.00539	-.00259	.09517	.08397	.00214	-.00213	.00315
.000	-4.063	1.25006	.07278	.06732	-.03839	-.03561	.09455	.08387	.00293	-.00275	.00334
-.001	-.026	1.25008	.23782	.23298	-.15957	-.15704	.09313	.08388	.00506	-.00461	.00394
-.002	4.102	1.24932	.37925	.37544	-.26094	-.25892	.08840	.08121	.00688	-.00600	.00463
	GRADIENT	-.00009	.03752	.03772	-.02725	-.02734	-.00075	-.00033	.00048	-.00040	.00016

RUN NO. 1402/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.103	1.24942	-.07063	-.07820	.06306	.06670	.10031	.08472	-.10693	.06928	-.03525
4.003	-4.001	1.25013	.10128	.09554	-.06474	-.06197	.10376	.09198	-.09749	.06255	-.03406
3.999	.003	1.25021	.25120	.24611	-.17311	-.17058	.10586	.09568	-.08454	.05340	-.03102
4.006	4.086	1.24966	.38223	.37754	-.26594	-.26362	.09724	.08782	-.07052	.04458	-.02723
	GRADIENT	-.00006	.03473	.03486	-.02487	-.02493	-.00081	-.00052	.00334	-.00222	.00085

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0089) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.300 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-8.018	1.29953	-.04687	-.05487	.05074	.05443	.10331	.08625	.09895	-.06434	.03701
-4.016	-3.945	1.30042	.11749	.11086	-.07442	-.07116	.09847	.08505	.08647	-.05478	.03549
-4.001	-.009	1.30023	.27420	.26845	-.18943	-.18644	.09730	.08632	.07589	-.04723	.03391
-3.986	3.999	1.29953	.40708	.40215	-.28446	-.28186	.09268	.08336	.06601	-.04076	.03100
GRADIENT	GRADIENT	-.00011	.03645	.03666	-.02643	-.02652	-.00073	-.00021	-.00258	.00176	-.00057

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.090	1.29956	-.08414	-.09061	.07887	.08203	.10100	.08785	-.00122	.00083	.00186
-.000	-4.047	1.30040	.07727	.07102	-.04251	-.03932	.09896	.08678	.00159	-.00137	.00325
-.001	-.019	1.30027	.23647	.23070	-.16017	-.15714	.09769	.08676	.00368	-.00330	.00375
-.002	3.973	1.29948	.37029	.36558	-.25579	-.25332	.09312	.08419	.00543	-.00458	.00403
GRADIENT	GRADIENT	-.00011	.03654	.03673	-.02660	-.02669	-.00073	-.00032	.00048	-.00040	.00010

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.086	1.29899	-.07456	-.08311	.06718	.07131	.10298	.08544	-.10565	.06908	-.03474
4.002	-4.026	1.30018	.09201	.08524	-.05840	-.05505	.10335	.08973	-.03364	.05996	-.03254
3.995	.015	1.29991	.24589	.24006	-.17096	-.16805	.10475	.09314	-.05263	.05248	-.03035
4.004	4.084	1.29975	.37502	.36954	-.26134	-.25854	.10084	.09020	-.05819	.04269	-.02692
GRADIENT	GRADIENT	-.00005	.03489	.03505	-.02502	-.02509	-.00031	.00006	.00314	-.00213	.00069

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3 (RC0090) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1410/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-7.955	1.34971	-.04432	-.05260	.04893	.05281	.10642	.08892	.10195	-.06687	.03738
-4.014	-3.926	1.35015	.10724	.10033	-.06703	-.06358	.10159	.08781	.08796	-.05596	.03510
-4.004	-.004	1.34966	.26434	.25810	-.18351	-.18027	.09926	.08729	.07592	-.04738	.03366
-3.997	4.092	1.34998	.40195	.39656	-.28117	-.27835	.09556	.08529	.06706	-.04220	.03103
	GRADIENT	-.00002	.03673	.03692	-.02668	-.02676	-.00075	-.00031	-.00260	.00171	-.00051

RUN NO. 1411/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.064	1.34992	-.08574	-.09223	.08049	.08364	.10499	.09171	-.00047	.00038	.00187
-.000	-4.037	1.35045	.07455	.06807	-.04134	-.03803	.10183	.08918	.00302	-.00245	.00341
-.001	-.019	1.34993	.23139	.22559	-.15741	-.15437	.10011	.08910	.00437	-.00381	.00382
-.002	3.979	1.34979	.36642	.36130	-.25385	-.25118	.09755	.08775	.00601	-.00515	.00420
	GRADIENT	-.00008	.03641	.03658	-.02651	-.02659	-.00053	-.00018	-.00037	-.00034	.00010

RUN NO. 1412/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-8.090	1.34977	-.07688	-.08531	.06939	.07344	.10570	.08830	-.10516	.06896	-.03428
4.001	-4.085	1.35032	.08106	.07392	-.05062	-.04710	.10407	.08968	-.09288	.05969	-.03198
3.998	.008	1.34990	.23454	.22811	-.16371	-.16052	.10419	.09134	-.08040	.05121	-.02930
4.005	4.077	1.34967	.36575	.35994	-.25600	-.25305	.10170	.09028	-.06844	.04349	-.02690
	GRADIENT	-.00008	.03488	.03505	-.02517	-.02524	-.00029	.00007	-.00299	-.00198	.00062

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3 (RC0091) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1413/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.996	-7.953	1.39996	-.04288	.04832	.05223	.10987	.09166	.10189	-.06773	.03703
-4.017	-3.932	1.40040	.10072	-.06264	-.05901	.10468	.08990	.08866	-.05726	.03408
-3.995	-.013	1.39968	.25905	-.18035	-.17702	.10190	.08926	.07678	-.04876	.03304
-3.987	3.997	1.39952	.39304	-.27592	-.27286	.09890	.08733	.06695	-.04238	.03116
GRADIENT	GRADIENT	-.00011	.03685	-.02689	-.02696	-.00073	-.00032	-.00274	.00187	-.00037

RUN NO. 1414/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.060	1.39958	-.08570	.08113	.08453	.10848	.09418	.00144	-.00149	.00262
-.000	-4.836	1.39996	.03455	-.01147	-.00781	.10534	.09105	.00367	-.00329	.00357
-.000	-4.045	1.39963	.06812	-.03714	-.03352	.10451	.09044	.00419	-.00378	.00385
-.001	-.020	1.39980	.22542	-.15426	-.15089	.10252	.09002	.00512	-.00453	.00434
-.002	3.971	1.39961	.36016	-.25052	-.24752	.09982	.08875	.00586	-.00510	.00440
GRADIENT	GRADIENT	-.00002	.03704	-.02720	-.02728	-.00060	-.00023	.00024	-.00019	.00009

RUN NO. 1415/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.085	1.39962	-.07776	.07055	.07445	.10866	.09129	-.10519	.06939	-.03387
4.011	-4.019	1.40020	.07462	-.04714	-.04348	.10245	.08725	-.09013	.05772	-.03024
4.001	.020	1.39987	.22781	-.16062	-.15739	.10226	.08905	-.07837	.04972	-.02834
4.002	4.052	1.40010	.35712	-.25136	-.24829	.10170	.08966	-.06639	.04185	-.02613
GRADIENT	GRADIENT	-.00001	.03500	-.02530	-.02538	-.00009	.00030	.00294	-.00197	.00051

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0092) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1416/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.947	-7.934	1.54773	-.04497	-.05320	.05052	.05430	.11462	.09700	.09770	-.06525	.03490
-3.932	-3.878	1.54846	.07865	.07044	-.04645	-.04239	.10707	.09055	.08913	-.05885	.03181
-3.900	-.019	1.55007	.22503	.21838	-.15734	-.15396	.10160	.08860	.07669	-.04986	.03068
-3.903	3.945	1.55098	.35828	.35158	-.24983	-.24983	.09891	.08578	.06491	-.04165	.02967
	GRADIENT	.00032	.03574	.03593	-.02642	-.02651	-.00104	-.00061	-.00310	.00220	-.00027

RUN NO. 1417/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-7.983	1.54882	-.08228	-.09041	.07935	.08325	.11549	.09870	.00060	-.00078	.00195
-.001	-3.942	1.54908	.04466	.03663	-.02009	-.01606	.10868	.09274	.00259	-.00252	.00289
-.001	.081	1.54890	.19383	.18618	-.12973	-.10403	.10403	.08894	.00393	-.00384	.00335
-.002	4.079	1.54804	.33408	.32716	-.23509	-.23157	.10080	.08728	.00435	-.00395	.00372
	GRADIENT	-.00013	.03608	.03622	-.02681	-.02687	-.00098	-.00068	.00022	-.00018	.00010

RUN NO. 1418/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.044	-8.167	1.54626	-.07827	-.08693	.07281	.07690	.11361	.09550	-.10242	.06834	-.03330
4.075	-4.091	1.55001	.04919	.04138	-.02720	-.02344	.10520	.08910	-.09069	.05943	-.02932
4.102	.016	1.54882	.19838	.19105	-.14130	-.13777	.10089	.08583	-.07581	.04870	-.02633
4.071	4.128	1.54842	.32954	.32230	-.23453	-.23098	.10053	.08585	-.06476	.04137	-.02529
	GRADIENT	-.00019	.03411	.03418	-.02523	-.02525	-.00057	-.00039	.00316	-.00220	.00049

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0093) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 1540/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.070	-8.088	1.39989	-.06853	-.07666	.07136	.07512	.11046	.09309	.10438	-.06920	.03813
-4.087	-3.928	1.40020	.08252	.07560	-.04583	-.04243	.10414	.09015	.08985	-.05772	.03469
-4.084	-.021	1.39930	.24036	.23439	-.16343	-.16040	.10053	.08883	.07752	-.04879	.03348
-4.077	3.989	1.39996	.37460	.36906	-.25950	-.25665	.09792	.08719	.06794	-.04274	.03178
GRADIENT		-.00003	.03688	.03705	-.02698	-.02705	-.00079	-.00037	-.00277	.00189	-.00037

RUN NO. 1541/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.004	-8.089	1.39991	-.10697	-.11334	.10067	.10373	.10864	.09552	-.00018	-.00024	.00238
-.001	-4.890	1.40003	.01243	.00552	.00828	.01175	.10483	.09113	.00241	-.00232	.00342
-.002	-4.044	1.40030	.04800	.04130	-.01878	-.01539	.10393	.09073	.00319	-.00299	.00378
-.003	-.048	1.40060	.20569	.19971	-.13663	-.13352	.10102	.08956	.00434	-.00393	.00433
-.004	3.984	1.39903	.34293	.33756	-.23490	-.23213	.09800	.08766	.00528	-.00467	.00442
GRADIENT		-.00011	.03733	.03750	-.02748	-.02756	-.00076	-.00038	.00030	-.00025	.00011

RUN NO. 1542/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.940	-8.067	1.39976	-.09826	-.10580	.08923	.09266	.10803	.09173	-.10392	.06842	-.03327
3.937	-4.051	1.40023	.05422	.04740	-.02858	-.02525	.10121	.08730	-.08831	.05620	-.02961
3.935	.005	1.40008	.20754	.20170	-.14238	-.13949	.10058	.08883	-.07580	.04751	-.02742
3.930	3.999	1.39936	.33777	.33208	-.23450	-.23165	.09830	.08699	-.06328	.03928	-.02493
GRADIENT		-.00011	.03523	.03537	-.02559	-.02565	-.00036	-.00004	.00311	-.00210	.00058

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC0094) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 1544/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.030	-7.937	1.54739	.06274	-.07018	.06664	.07008	.11427	.09838	-.09892	-.06576	.03552
-4.004	-3.878	1.54939	.06185	.05450	-.03072	-.02707	.10634	.09161	.08847	-.05804	.03170
-3.984	-.032	1.54999	.20734	.20142	-.14143	-.13844	1.0005	.08838	.07773	-.05040	.03119
-3.996	3.929	1.54977	.34189	.33581	-.23865	-.23554	.09686	.08504	.06698	-.04313	.03058
	GRADIENT	.00005	.03586	.03602	-.02662	-.02669	-.00121	-.00084	-.00275	.00191	-.00014

RUN NO. 1545/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.000	-7.993	1.54894	-.09891	-.10616	.09466	.09817	.11579	.10093	-.00035	.00015	.00193
-.001	-3.938	1.55082	.02763	.02047	-.00492	-.00130	.10733	.09325	.00200	-.00196	.00271
-.003	.091	1.54949	.17931	.17247	-.12062	-.11710	.10154	.08829	.00364	-.00342	.00345
-.002	4.047	1.54752	.31886	.31288	-.22144	-.21837	.09793	.08634	.00326	-.00306	.00353
	GRADIENT	-.00041	.03647	.03662	-.02712	-.02719	-.00118	-.00087	.00016	-.00014	.00010

RUN NO. 1546/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.983	-8.137	1.54822	-.09593	-.10362	.08891	.09256	.11402	.09799	-.10154	.06755	-.03285
4.005	-4.109	1.54881	.03057	.02381	-.01076	-.00749	.10359	.08972	-.08935	.05826	-.02840
4.036	.011	1.54871	.17992	.17348	-.12490	-.12176	.09855	.08546	-.07538	.04834	-.02573
4.005	4.081	1.54815	.31330	.30706	-.22023	-.21716	.09725	.08465	-.06501	.04157	-.02513
	GRADIENT	-.00008	.03453	.03459	-.02558	-.02561	-.00077	-.00062	.00297	-.00204	.00040

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0095) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = 180.000
 IB-ELV = 8.000 DB-ELV = 9.000

RUN NO. 1619/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-8.100	.59915	-.04586	-.07088	.03748	.04998	.06198	.01218	.09503	-.06282	.03148
-4.003	-4.007	.59899	.08362	.05927	-.04064	-.04064	.06205	.01364	.09056	-.06026	.03178
-4.003	-.002	.60001	.20971	.18640	-.14005	-.12840	.05693	.01053	.08584	-.05741	.03251
-4.002	3.969	.59954	.34262	.32012	-.23280	-.22159	.04676	.00184	.07505	-.05032	.03125
	GRADIENT	.00007	.03247	.03270	-.02256	-.02269	-.00192	-.00148	-.00194	.00125	-.00007

RUN NO. 1620/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.001	.59909	-.06530	-.08881	.05212	.06388	.05971	.01292	-.00538	.00396	.00055
.001	-4.015	.59997	.05596	.03382	-.03226	-.02119	.06023	.01619	-.00346	.00260	.00100
.001	.071	.60063	.18409	.16288	-.12001	-.10935	.05595	.01400	-.00148	.00127	.00169
-.001	3.984	.60058	.31067	.29039	-.19764	-.19764	.04581	.00573	.00101	-.00019	.00270
	GRADIENT	.00008	.03184	.03207	-.02195	-.02206	-.00180	-.00130	.00056	-.00035	.00021

RUN NO. 1621/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.086	.59901	-.04711	-.07259	.03479	.04764	.06167	.01138	-.10439	.06985	-.03004
4.001	-4.000	.60045	.08163	.05726	-.04241	-.04241	.06196	.01377	-.09171	.06219	-.02861
4.004	-.010	.60028	.20415	.18125	-.13879	-.12725	.05736	.01215	-.07962	.05464	-.02679
3.999	3.979	.59931	.32863	.30634	-.22485	-.21357	.04663	.00281	-.06644	.04597	-.02366
	GRADIENT	-.00014	.03096	.03122	-.02133	-.02145	-.00192	-.00137	.00317	-.00203	.00062

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0096) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1623/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.098	.79925	-.03556	-.06207	.03013	.04325	.07034	.01714	.09903	-.06578	.03349
-4.003	-4.048	.80053	-.10188	.07727	-.06703	-.05489	.06701	.01742	.09252	-.06181	.03325
-3.991	-.033	.80002	.23948	.21571	-.16271	-.15101	.06166	.01367	.08704	-.05842	.03396
-3.998	3.994	.79965	.38918	.36587	-.26766	-.25621	.05236	.00525	.07845	-.05302	.03399
GRADIENT	GRADIENT	-.00011	.03572	.03589	-.02495	-.02503	-.00182	-.00151	-.00175	.00109	.00009

RUN NO. 1624/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.003	-8.021	.80000	-.07174	-.09708	.05718	.06975	.06798	.01718	-.00544	.00373	.00127
-4.001	-4.001	.80008	.06158	.03792	-.03675	-.02503	.06528	.01779	-.00327	.00230	.00155
-4.000	-.016	.79971	.20006	.17741	-.13243	-.12118	.06114	.01577	-.00151	.00121	.00207
-4.001	3.976	.79947	.34591	.32451	-.23465	-.22397	.05106	.00837	.00030	.00014	.00287
GRADIENT	GRADIENT	-.00008	.03565	.03593	-.02481	-.02494	-.00178	-.00118	.00045	-.00027	.00017

RUN NO. 1625/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.000	-8.097	.79908	-.04581	-.07314	.03362	.04720	.06937	.01467	-.10768	.07213	.03088
3.998	-4.058	.80053	.09010	.06461	-.06168	-.04905	.06700	.01585	-.09499	.06444	-.02992
3.991	-.033	.80035	.22361	.19943	-.15400	-.14202	.06171	.01318	-.08178	.05609	-.02824
4.003	3.984	.79951	.36452	.34116	-.25232	-.24073	.05243	.00561	-.06938	.04768	-.02615
GRADIENT	GRADIENT	-.00013	.03412	.03439	-.02371	-.02384	-.00181	-.00127	.00318	-.00208	.00047

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0097) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .900 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 1626/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.085	.89921	-.06206	-.09055	.05548	.06965	.08718	.03024	.09805	-.06355	.03282
-4.002	-4.080	.90017	.08408	.05775	-.03644	-.03644	.08047	.02753	.09327	-.06153	.03377
-3.990	.038	.90006	.23919	.21391	-.15961	-.14714	.07382	.02291	.08731	-.05834	.03503
-3.999	4.002	.89990	.39268	.36849	-.26850	-.25656	.06793	.01921	.07953	-.05277	.03329
GRADIENT		-.00003	.03818	.03844	-.02710	-.02723	-.00155	-.00103	-.00170	.00108	-.00006

RUN NO. 1627/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.014	.89999	-.10578	-.13295	.08911	.10259	.08417	.02970	-.00497	.00301	.00118
-.001	-4.022	.90008	.03491	.01014	-.01153	.00073	.07747	.02772	-.00118	.00021	.00177
-.000	-.022	.89978	.18667	.16320	-.11972	-.10811	.07164	.02447	-.00001	-.00019	.00216
-.001	3.958	.89967	.34475	.32265	-.23181	-.22083	.06582	.02159	.00087	-.00029	.00286
GRADIENT		-.00005	.03883	.03916	-.02760	-.02777	-.00146	-.00077	.00026	-.00006	.00014

RUN NO. 1628/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.085	.89969	-.07967	-.10885	.06419	.07857	.08640	.02753	-.10883	.07140	-.03180
4.003	-4.074	.89994	.06742	.04092	-.04105	-.02793	.07921	.02600	-.09441	.06257	-.03086
3.990	.046	.90027	.22129	.19626	-.14997	-.13765	.07336	.02284	-.07892	.05288	-.02942
4.003	4.013	.90001	.36690	.34276	-.25238	-.24053	.06815	.01926	-.06922	.04643	-.02579
GRADIENT		.00001	.03704	.03733	-.02614	-.02629	-.00137	-.00083	.00312	-.00200	.00063

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC0098) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABDX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1629/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.999	-8.087	.94925	-.08423	-.11462	.07905	.09407	.10415	.04301	.10050	-.06544	.03423
-4.004	-4.093	.95026	.06462	.03596	-.02853	-.01446	.09789	.03988	.09269	-.06012	.03395
-3.994	.077	.95041	.22951	.20207	-.14788	-.13451	.09093	.03504	.08292	-.05344	.03436
-4.005	4.018	.94934	.39539	.36862	-.26816	-.25507	.08451	.03013	.07534	-.04855	.03374
	GRADIENT	-.00011	.04077	.04100	-.02953	-.02966	-.00165	-.00120	-.00214	.00143	-.00002

RUN NO. 1630/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-0.003	-8.013	.94981	-.12878	-.15762	.11348	.12768	.10070	.04248	-.00431	.00223	.00188
.000	-4.028	.94996	.01967	.00686	.00560	.01867	.09423	.04074	-.00078	-.00026	.00240
-.001	-.013	.94983	.17514	.14956	-.10654	-.09400	.08868	.03684	.00217	-.00247	.00302
.002	3.999	.94946	.34355	.31891	-.22817	-.21608	.08120	.03130	.00336	-.00301	.00360
	GRADIENT	-.00006	.04035	.04058	-.02912	-.02924	-.00162	-.00118	.00052	-.00034	.00015

RUN NO. 1631/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.000	-8.083	.94931	-.10115	-.13270	.08730	.10271	.10363	.03951	-.11002	.07139	-.03162
4.001	-4.090	.95026	.04645	.01649	-.01847	-.00382	.09939	.03854	-.09203	.05903	-.03002
3.989	.089	.95048	.21224	.18404	-.13828	-.12451	.09346	.03613	-.07467	.04797	-.02837
4.004	4.001	.94938	.36158	.33491	-.24568	-.23264	.08399	.02982	-.06199	.03912	-.02429
	GRADIENT	-.00011	.03896	.03936	-.02809	-.02829	-.00190	-.00107	.00372	-.00246	.00070

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC0099) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1632/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-8.062	1.04814	-.11456	.14929	.13115	.12663	.05670	.09792	-.06278	.03710
-4.003	-4.097	1.05165	.05008	-.00578	.01043	.12143	.05275	.09019	-.05714	.03742
-4.000	.009	1.05027	.21760	-.12674	-.11123	.11630	.04956	.08385	-.05267	.03880
-4.003	4.030	1.04921	.38238	-.24679	-.23186	.11050	.04585	.07434	-.04635	.03603
	GRADIENT	-.00030	.04089	-.02966	-.02981	-.00134	-.00085	-.00195	.00133	-.00017

RUN NO. 1633/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
-1.003	-7.991	1.04947	-.14229	.17532	.15042	.12390	.05671	-.00201	.00076	.00207
.000	-4.045	1.05087	.01316	-.01820	.03733	.11838	.05423	.00116	-.00167	.00242
-1.001	-.028	1.05029	.18386	-.10086	-.08630	.11391	.05219	.00433	-.00387	.00311
-1.002	3.961	1.04972	.34141	-.21416	-.19966	.11026	.04840	.00696	-.00582	.00411
	GRADIENT	-.00014	.04100	-.02952	-.02960	-.00102	-.00073	.00072	-.00052	.00021

RUN NO. 1634/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.001	-8.052	1.04809	-.13395	.17032	.14233	.12903	.05412	-.11301	.07340	-.03706
4.002	-4.012	1.05146	.04774	.01329	.01182	.14105	.07023	-.11146	.07372	-.03908
3.999	.025	1.05024	.21964	-.18665	-.11202	.14501	.07713	-.10250	.06855	-.03795
4.008	4.068	1.04984	.36790	.33756	-.22134	.12779	.06567	-.07591	.04857	-.02986
	GRADIENT	-.00020	.03962	-.02862	-.02886	-.00164	-.00056	.00440	-.00311	.00114

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RCOOAO) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = 180.000
IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1636/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.054	1.09853	-13392	-17447	13757	15728	14686	06407	09798	06328	03798
-4.003	-4.092	1.10075	02676	-01177	02032	03900	14131	06246	09060	05803	03834
-4.002	.012	1.10042	19676	15983	-10388	-08606	13576	05989	08472	05449	03987
-4.004	4.051	1.09958	35772	32283	-22275	-20605	12812	05590	07653	04970	03751
	GRADIENT	-.00014	04065	04109	-02985	-03009	-00162	-00081	-00173	00102	-00010

RUN NO. 1637/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.991	1.09919	-16470	-20313	16025	17891	14370	06511	00368	00197	00133
.001	-4.062	1.10065	-00916	-04532	04677	06424	13677	06255	00089	00017	00158
-.001	-.005	1.10009	16282	12763	-07810	-06120	13305	06043	00205	00209	00209
-.001	3.990	1.09943	32156	28663	-19396	-17726	12942	05705	00448	00391	00317
	GRADIENT	-.00015	04108	04123	-02990	-03000	-00091	-00068	00067	00047	00020

RUN NO. 1638/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.046	1.09876	-15018	-19229	14700	16735	15497	06858	11835	07904	03831
3.998	-4.014	1.10035	02327	-01544	02145	04026	16144	08242	11706	07944	04065
4.001	.025	1.09997	19806	16127	-10557	-08766	16513	09016	11182	07740	04085
4.004	4.033	1.09941	34508	31076	-21348	-19673	15147	08161	09146	06270	03495
	GRADIENT	-.00012	04000	04055	-02920	-02946	-00124	-00010	00318	00208	00071

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RCOOA1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1639/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-8.038	1.14882	-.11937	-.15363	.12426	.14097	.13955	.06984	.09682	-.06272	.03761
-4.005	-4.092	1.15054	.05214	.01936	-.00295	.01294	.13590	.06885	.08996	-.05828	.03938
-4.007	.019	1.15067	.22136	.18938	-.12715	-.11170	.13363	.06798	.08511	-.05503	.03926
-4.004	4.049	1.14944	.37280	.34161	-.23719	-.22222	.12809	.06370	.07658	-.04928	.03784
	GRADIENT	-.00013	.03940	.03959	-.02878	-.02889	-.00096	-.00063	-.00164	.00111	-.00019

RUN NO. 1640/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.098	1.14955	-.15423	-.18651	.15012	.16585	.13689	.07116	-.00388	.00241	.00116
.000	-4.066	1.15026	.01707	-.01370	.02354	.03842	.13196	.06887	-.00161	.00094	.00169
-.001	-.029	1.14989	.18952	.15919	-.10299	-.08839	.13097	.06847	.00254	-.00217	.00282
.001	3.959	1.14986	.33958	.30868	-.21133	-.19656	.12888	.06485	.00485	-.00380	.00335
	GRADIENT	-.00005	.04019	.04018	-.02927	-.02928	-.00038	-.00050	.00081	-.00059	.00021

RUN NO. 1641/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.029	1.14818	-.13729	-.17337	.13601	.15346	.15053	.07654	-.11874	.07920	-.03880
4.001	-4.016	1.15022	.04530	.01175	.00223	.01854	.16032	.09182	-.12171	.08352	-.04263
4.006	.024	1.15036	.21049	.17835	-.11825	-.10261	.16192	.09637	-.10924	.07533	-.03971
4.008	4.084	1.14999	.35845	.32796	-.22584	-.21096	.15229	.09024	-.09243	.06358	-.03546
	GRADIENT	-.00003	.03866	.03904	-.02815	-.02833	-.00099	-.00020	.00362	-.00246	.00089

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC00A2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

PARAMETRIC DATA

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-7.914	1.24880	-.10022	-.13074	.10924	.12418	.14128	.07935	.09634	-.06254	.03826
-4.005	-4.087	1.25007	.06084	.03118	-.01195	.00247	.13838	.07782	.08949	-.05758	.03813
-4.002	.015	1.25015	.22478	.19584	-.13303	-.11900	.13654	.07727	.08373	-.05351	.03811
-4.001	3.996	1.24930	.37043	.34202	-.23921	-.22546	.13376	.07551	.07887	-.05152	.03742
	GRADIENT	-.00009	.03831	.03847	-.02812	-.02821	-.00057	-.00028	-.00131	.00075	-.00009

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-0.002	-7.987	1.24950	-.12836	-.15722	.12996	.14406	.13726	.07859	-.00205	.00093	.00141
-0.001	-4.065	1.25030	.03507	.00758	.00688	.02024	.13464	.07845	.00104	-.00151	.00262
-0.001	-.034	1.24980	.20348	.17615	-.11708	-.10388	.13386	.07771	.00401	-.00388	.00352
-0.002	3.954	1.24977	.34728	.31936	-.22054	-.20718	.13359	.07584	.00632	-.00537	.00406
	GRADIENT	-.00007	.03894	.03889	-.02836	-.02836	-.00013	-.00033	.00066	-.00048	.00018

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.035	1.24909	-.12193	-.15478	.12352	.13951	.15313	.08613	-.12111	.08140	-.04001
4.003	-4.020	1.25031	.04931	.01843	-.00465	.01042	.15498	.09215	-.11158	.07479	-.03858
4.000	.020	1.24971	.21554	.18676	-.12726	-.11322	.15698	.09843	-.10098	.06781	-.03668
3.999	3.988	1.24985	.35478	.32641	-.22787	-.21407	.15077	.09288	-.08843	.06034	-.03380
	GRADIENT	-.00006	.03816	.03847	-.02788	-.02804	-.00052	.00010	.00289	-.00180	.00060

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC00A3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-8.026	1.24947	-1.1344	-1.14333	.12034	.13496	.13969	.07906	.09617	-.06237	-.03844
-4.003	-4.094	1.25002	.04994	.02091	-.00253	.01158	.13702	.07773	.08897	-.05714	.03833
-3.996	.014	1.25019	.21447	.18621	-.12433	-.11063	.13455	.07671	.08351	-.05334	.03840
-4.000	4.037	1.24959	.36118	.33349	-.23128	-.21786	.13152	.07480	.07873	-.05137	.03722
	GRADIENT	-.00005	.03828	.03845	-.02814	-.02822	-.00068	-.00036	-.00126	.00071	-.00014

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.087	1.24950	-1.4212	-1.17036	.14165	.15547	.13620	.07890	-.00223	.00117	.00152
.000	-4.061	1.25027	.02772	.00083	.01398	.02707	.13322	.07835	.00072	-.00115	.00259
-.001	.005	1.25013	.19475	.16825	-.10953	-.09674	.13180	.07735	.00382	-.00369	.00352
-.002	3.958	1.24957	.33804	.31078	-.21268	-.19960	.13117	.07487	.00630	-.00535	.00417
	GRADIENT	-.00009	.03871	.03866	-.02828	-.02828	-.00026	-.00043	.00070	-.00052	.00020

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.021	1.24901	-1.13052	-1.16272	.13122	.14691	.15233	.08675	-.12032	.08076	-.03974
3.999	-4.012	1.25004	.03951	.00948	.00386	.01853	.15348	.09246	-.11183	.07504	-.03884
4.000	.017	1.24996	.20418	.17607	-.11763	-.10392	.15462	.09739	-.10020	.06720	-.03653
4.002	4.033	1.24981	.34482	.31726	-.21926	-.20582	.14819	.09204	-.08666	.05888	-.03329
	GRADIENT	-.00003	.03795	.03826	-.02773	-.02789	-.00066	-.00005	.00313	-.00201	.00069

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC00A4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

MACH = 1.300 IEABOX = 180.000
IB-ELV = 8.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1679/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-7.928	1.29977	-.10318	-.13219	.11154	.12576	.14081	.08201	.10097	-.06711	.03906
-4.001	-4.080	1.30050	.05292	.02499	-.00729	.00635	.13663	.07985	.09108	-.05912	.03825
-3.997	.011	1.30030	.21921	.19140	-.13096	-.11744	.13532	.07855	.08529	-.05493	.03814
-3.999	4.044	1.29922	.36069	.33347	-.23338	-.22021	.13233	.07652	.07850	-.05134	.03705
	GRADIENT	-.00016	.03789	.03798	-.02784	-.02789	-.00053	-.00041	-.00155	.00096	-.00015

RUN NO. 1680/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.090	1.29981	-.13227	-.15992	.13270	.14622	.13797	.08179	-.00327	.00224	.00134
.000	-4.022	1.29996	.03387	.00747	.00668	.01951	.13409	.08019	-.00127	.00065	.00252
-.001	-.041	1.29959	.19703	.17092	-.11416	-.10151	.13329	.07983	.00198	-.00202	.00318
-.002	4.002	1.29989	.34057	.31394	-.21766	-.20486	.13244	.07754	.00462	-.00392	.00374
	GRADIENT	-.00001	.03822	.03819	-.02795	-.02796	-.00021	-.00033	-.00073	-.00057	.00015

RUN NO. 1681/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.041	1.29940	-.12866	-.16026	.12819	.14360	.14863	.08429	-.11858	.08036	-.03887
3.999	-4.022	1.30011	.03565	.00575	.00395	.01851	.14766	.08670	-.10780	.07226	-.03698
4.002	.024	1.29991	.20405	.17671	-.12153	-.10819	.14856	.09295	-.09696	.06508	-.03512
4.002	4.035	1.29990	.34233	.31538	-.22041	-.20728	.14448	.08957	-.08376	.05653	-.03231
	GRADIENT	-.00003	.03807	.03843	-.02785	-.02802	-.00039	.00036	-.00298	-.00195	.00058

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (RC00A5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1682/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-7.940	1.35047	-10144	-13019	11013	12425	14346	08529	09968	-06641	03782
-4.001	-4.074	1.34995	04589	01821	00330	01026	13826	08216	09039	-05888	03669
-3.994	.014	1.34967	21106	18398	12708	11389	13615	08093	08346	-05343	03693
-4.003	4.056	1.35013	35783	33132	23349	22064	13372	07948	07819	-05110	03658
	GRADIENT	.00002	.03837	.03852	-.02832	-.02841	-.00056	-.00033	-.00150	.00096	-.00001

RUN NO. 1683/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.089	1.34989	-12944	-15639	12973	14289	13981	08501	00233	-00164	00151
.000	-4.052	1.34982	03371	00787	00513	01767	13487	08207	00041	-00072	00278
-.001	-.055	1.34984	19405	16873	11436	10210	13335	08145	00282	-00273	00335
-.002	3.963	1.34971	33812	31169	21768	20494	13445	08006	00525	-00454	00403
	GRADIENT	-.00001	.03798	.03790	-.02780	-.02777	-.00005	-.00025	.00060	-.00048	-.00016

RUN NO. 1684/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.000	-7.923	1.34914	-12333	-15428	12355	13865	14821	08522	-11565	07821	-03790
4.000	-4.030	1.34986	03299	00357	00439	01867	14704	08691	-10495	07018	-03599
3.999	.018	1.35001	19388	16582	11543	10180	14729	08996	-09196	06133	-03329
3.998	4.044	1.35024	33554	30875	21755	20450	14265	08803	-07999	-05375	-03091
	GRADIENT	.00005	.03748	.03780	-.02749	-.02764	-.00054	.00014	.00309	-.00204	.00063

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC00A6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABDX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1685/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.999	-7.947	1.39901	-.09987	-.12830	.10916	.12315	.14554	.08814	.10060	-.06747	.03760
-4.002	-4.003	1.40015	.04414	.01717	-.00258	.01065	.13940	.08477	.09294	-.06139	.03634
-3.998	.013	1.39932	.20629	.17959	-.12533	-.11236	.13633	.08183	-.08663	-.05650	.03679
-4.000	4.045	1.40034	.35336	.32700	-.23181	-.21902	.13433	.08040	.07828	-.05112	.03645
	GRADIENT	.00002	.03842	.03849	-.02848	-.02854	-.00063	-.00054	-.00182	.00128	.00001

RUN NO. 1686/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.072	1.39962	-.12524	-.15197	.12627	.13932	.14200	.08764	-.00098	.00018	.00212
.000	-4.061	1.40001	.02998	.00438	.00616	.01860	.13622	.08392	.00175	-.00211	.00328
-.001	-.047	1.39994	.19240	.16686	-.11564	-.10327	.13512	.08279	.00341	-.00329	.00373
-.002	3.945	1.39963	.33535	.30921	-.21836	-.20575	.13475	.08103	.00527	-.00470	.00419
	GRADIENT	-.00005	.03814	.03808	-.02805	-.02802	-.00018	-.00036	.00044	-.00032	.00011

RUN NO. 1687/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-7.921	1.39943	-.12152	-.15228	.12161	.13661	.14821	.08558	-.11294	.07641	-.03692
4.001	-4.020	1.40011	.02797	-.00070	.00561	.01954	.14208	.08352	-.09889	.06547	-.03344
3.998	.018	1.40033	.19102	.16357	-.11611	-.10276	.14375	.08774	-.08774	.05782	-.03169
4.001	4.045	1.39965	.32975	.30248	-.21537	-.20213	.14154	.08583	-.07494	.04942	-.02929
	GRADIENT	-.00006	.03742	.03759	-.02740	-.02749	-.00007	.00029	.00297	-.00199	.00051

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(RC00A7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1689/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.049	-8.011	1.54818	-.09092	-.11808	.10110	.11442	.14902	.09399	.09946	-.06744	.03640
-4.075	-4.167	1.55002	.02527	-.00131	.00977	.02276	.14102	.08700	.09395	-.06304	.03392
-4.097	.021	1.54956	.18652	.16147	-.11490	-.10265	.13392	.08302	.08696	-.05784	.03435
-4.066	4.094	1.54924	.33089	.30662	-.22151	-.20966	.12908	.07969	.07717	-.05106	.03482
	GRADIENT	-.00010	.03701	.03729	-.02801	-.02815	-.00145	-.00089	-.00203	.00145	.00011

RUN NO. 1690/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-7.996	1.54918	-.11713	-.14207	.11917	.13141	.14542	.09494	-.00220	.00142	.00112
.000	-3.958	1.54903	.01370	-.01067	.01618	.02803	.13726	.08751	.00018	-.00076	.00209
-.000	.061	1.54879	.17037	.14597	-.10416	-.09234	.13289	.08296	.00239	-.00258	.00283
-.001	4.047	1.54894	.31486	.29066	-.20938	-.19762	.13023	.08080	.00327	-.00309	.00335
	GRADIENT	-.00001	.03762	.03764	-.02818	-.02819	-.00088	-.00084	.00039	-.00029	.00016

RUN NO. 1691/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.051	-8.002	1.54857	-.11435	-.14116	.11534	.12845	.14871	.09425	-.10946	.07453	-.03602
4.076	-4.161	1.54993	.00432	-.02197	.02172	.03456	.13868	.08522	-.09419	.06272	-.03117
4.098	.019	1.55010	.16502	.13746	-.10098	-.08759	.13746	.08115	-.08129	.05386	-.02858
4.067	4.142	1.54941	.30793	.28172	-.20493	-.19222	.13515	.08154	-.07240	.04814	-.02802
	GRADIENT	-.00006	.03657	.03658	-.02730	-.02732	-.00042	-.00044	.00263	-.00176	.00038

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC00A8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1586/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.073	.59896	-.00591	-.02455	.00280	.01099	.05346	.01213	.09578	-.06375	-.03022
-3.996	-3.989	.60022	.11579	.10005	-.08190	-.07513	.05082	.01539	.09051	-.06048	-.03069
-3.999	-.002	.60082	.23700	.22380	-.16632	-.16080	.04134	.01101	.08517	-.05703	.03139
-3.997	3.972	.59971	.36346	.35281	-.25396	-.24965	.02923	.00425	.07439	-.04968	.03031
	GRADIENT	-.00006	.03111	.03175	-.02161	-.02192	-.00271	-.00140	-.00203	.00136	-.00005

RUN NO. 1587/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-7.900	.59985	-.03206	-.04628	.02224	.02822	.04824	.01570	-.00523	.00373	-.00026
.001	-3.943	.60013	.08017	.06839	-.05564	-.05078	.04576	.01845	-.00297	.00217	.00078
.000	-.017	.60093	.20398	.19410	-.14077	-.13665	.03997	.01723	-.00147	.00118	.00139
.003	4.067	.59978	.33620	.32775	-.23248	-.22920	.02813	.00779	.00061	-.00000	.00212
	GRADIENT	-.00005	.03197	.03238	-.02208	-.02228	-.00220	-.00134	.00045	-.00027	.00017

RUN NO. 1588/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-8.092	.59958	-.01567	-.03254	.00574	.01311	.04987	.01231	-.10314	.06881	-.02919
3.997	-3.992	.60120	.11037	.09597	-.08146	-.07532	.04832	.01571	-.09118	.06169	-.02819
3.999	-.009	.60030	.22934	.21711	-.16343	-.15823	.04147	.01369	-.07821	.05350	-.02626
4.000	3.965	.60006	.34813	.33857	-.24546	-.24145	.02845	.00655	-.06418	.04393	-.02317
	GRADIENT	-.00014	.02988	.03049	-.02061	-.02088	-.00250	-.00115	.00339	-.00223	.00063

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(RC00A9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1590/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-8.095	.79892	.00166	-.01669	-.00427	.00395	.05691	.01683	.09657	-.06397	.03125
-3.998	-4.042	.80070	.13024	.11574	-.09458	-.08826	.05082	.01847	.09008	-.05970	.03154
-3.985	-.055	.79994	.25992	.24778	-.18478	-.17959	.04284	.01535	.08427	-.05612	.03233
-4.006	3.936	.80011	.39996	.38996	-.28263	-.27848	.03114	.00803	.07458	-.04959	.03193
GRADIENT		-.00007	.03381	.03437	-.02357	-.02384	-.00247	-.00131	-.00194	.00127	.00005

RUN NO. 1591/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.054	.79972	-.04376	-.05823	.02943	.03563	.05108	.01843	-.00561	.00399	.00068
.001	-3.912	.80003	.08901	.07755	-.06348	-.05856	.04683	.02098	-.00315	.00235	.00107
-.000	-.005	.79989	.21943	.20973	-.15372	-.14960	.04114	.01912	-.00163	.00124	.00175
-.001	4.088	.79951	.36425	.35666	-.25470	-.25159	.02958	.01189	.00046	-.00001	.00271
GRADIENT		-.00006	.03441	.03490	-.02391	-.02414	-.00216	-.00114	.00045	-.00030	.00020

RUN NO. 1592/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.090	.79905	-.00992	-.02719	-.00005	.00745	.05334	.01471	-.10541	.07014	-.02966
3.995	-4.045	.80047	.12059	.10631	-.09125	-.08519	.04888	.01645	-.09311	.06267	-.02898
3.985	-.051	.80024	.24602	.23412	-.17772	-.17265	.04209	.01511	-.07879	.05353	-.02698
4.008	3.923	.80004	.37962	.37006	-.27039	-.26633	.03135	.00962	-.06537	.04416	-.02426
GRADIENT		-.00005	.03251	.03310	-.02248	-.02273	-.00220	-.00086	.00348	-.00232	.00059

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RCO0BO) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABDX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1593/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-8.097	.89967	-.01529	-.03291	.00925	.01712	.06494	.02634	.09479	-.06111	.03055
-4.000	-4.074	.90041	.12062	.10700	-.08677	-.08085	.05634	.02593	.08955	-.05847	.03127
-3.985	.017	.90007	.26703	.25582	-.18970	-.18483	.04838	.02333	.08320	-.05472	.03266
-4.001	3.998	.89982	.41460	.40538	-.29381	-.28992	.04012	.01911	.07754	-.05101	.03055
	GRADIENT	-.00007	.03642	.03696	-.02565	-.02590	-.00201	-.00084	-.00149	.00092	-.00009

RUN NO. 1594/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.022	.89965	-.06398	-.07808	.04574	.05195	.05927	.02809	-.00475	.00286	.00101
-.001	-4.048	.90019	.06609	.05497	-.04580	-.04094	.05246	.02766	-.00182	.00086	.00120
-.000	.004	.90022	.21274	.20341	-.14870	-.14454	.04585	.02539	-.00039	.00008	.00184
-.001	4.093	.89953	.36497	.35792	-.25521	-.25208	.03804	.02257	-.00019	.00061	.00292
	GRADIENT	-.00008	.03671	.03721	-.02572	-.02594	-.00177	-.00062	-.00020	-.00003	.00021

RUN NO. 1595/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.994	-8.093	.89975	-.02928	-.04663	.01422	.02192	.06196	.02376	-.10504	.06800	-.02910
3.999	-4.075	.90015	.10748	.09376	-.08121	-.07528	.05492	.02410	-.09115	.05968	-.02872
3.990	.028	.90028	.25018	.23899	-.18064	-.17582	.04746	.02227	-.07504	.04952	-.02726
3.997	3.991	.89975	.38622	.37676	-.27546	-.27139	.04066	.01938	-.06676	.04435	-.02390
	GRADIENT	-.00005	.03456	.03509	-.02408	-.02431	-.00177	-.00059	.00303	-.00190	.00072

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (RC00B1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1596/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-7.987	.94889	-.03046	-.04690	.02362	.03103	.07162	.03587	.09583	-.06137	.03073
-3.999	-4.075	.95054	.10579	.09308	-.07353	-.06785	.06294	.03512	.08796	-.05624	.03098
-3.989	.053	.95202	.25826	.24796	-.18215	-.17748	.05469	.03242	.08067	-.05183	.03204
-3.996	3.979	.94797	.40633	.39799	-.28669	-.28287	.04689	.02897	.07423	-.04762	.03152
	GRADIENT	-.00031	.03732	.03786	-.02647	-.02670	-.00199	-.00076	-.00171	.00107	.00007

RUN NO. 1597/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.063	.94951	-.08429	-.09875	.06428	.07083	.06844	.03711	-.00514	.00352	.00061
.001	-4.044	.95092	.05206	.04180	-.03294	-.02840	.05893	.03632	-.00211	.00116	.00105
-.000	-.033	.95100	.20200	.19382	-.13973	-.13594	.05190	.03452	-.00084	.00047	.00173
.002	3.973	.94905	.35775	.35180	-.24937	-.24656	.04292	.03048	-.00018	.00054	.00243
	GRADIENT	-.00023	.03813	.03867	-.02700	-.02721	-.00200	-.00073	.00024	-.00008	.00017

RUN NO. 1598/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.098	.94905	-.04991	-.06676	.03261	.04016	.06938	.03255	-.10508	.06711	-.02926
3.998	-4.090	.94995	.08905	.07539	-.06523	-.05921	.06232	.03211	-.08951	.05709	-.02902
3.989	.075	.95231	.24152	.23042	-.17296	-.16804	.05577	.03133	-.07293	.04672	-.02705
4.002	3.987	.94778	.37536	.36712	-.26651	-.26268	.04576	.02830	-.06308	.04006	-.02332
	GRADIENT	-.00026	.03546	.03613	-.02493	-.02520	-.00204	-.00047	.00328	-.00211	.00070

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC00B2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1599/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-8.068	1.04861	-.06254	-.08237	.05920	.06842	.09568	.05358	.09260	-.05764	-.03336
-4.001	-4.084	1.05145	.09505	.07799	-.05433	-.04650	.08885	.05231	.08395	-.05112	.03357
-3.999	.010	1.05076	.25897	.24392	-.17265	-.16570	.08272	.05060	.07722	-.04644	.03443
-3.997	4.021	1.04968	.42222	.40935	-.29181	-.28583	.07556	.04824	.06865	-.04116	.03257
	GRADIENT	-.00022	.04037	.04088	-.02930	-.02953	-.00164	-.00050	-.00189	.00123	-.00012

RUN NO. 1600/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-7.989	1.04976	-.10268	-.11940	.09015	.09804	.09217	.05715	-.00296	.00127	.00196
-.000	-4.068	1.05068	.04417	.02858	-.01515	-.00771	.08719	.05480	.00204	-.00252	.00272
-.001	-.028	1.05043	.21620	.20172	-.13819	-.08279	.08279	.05256	.00400	-.00360	.00308
-.002	3.956	1.04928	.37796	.36685	-.25724	-.25191	.07317	.05022	.00598	-.00522	.00474
	GRADIENT	-.00017	.04160	.04216	-.03017	-.03043	-.00175	-.00057	.00049	-.00034	.00025

RUN NO. 1601/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.993	-8.068	1.04843	-.08293	-.10220	.06940	.07848	.09249	.05205	-.10123	.06198	-.03125
4.002	-3.997	1.05037	.08607	.06900	-.05173	-.04364	.09127	.05565	-.08841	.05365	-.03179
4.004	.016	1.05178	.25128	.23521	-.16892	-.16131	.09538	.06179	-.08081	.04974	-.03085
4.009	4.050	1.04917	.39521	.38252	-.27417	-.26823	.07520	.04841	-.05533	.03128	-.02288
	GRADIENT	-.00015	.03842	.03896	-.02764	-.02791	-.00200	-.00090	.00411	-.00278	.00111

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (RC00B3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = 180.000
IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1603/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.056	1.09785	-.09001	-.11456	.08997	.10155	.11740	.06590	.09515	-.06074	.03562
-4.001	-4.066	1.10133	.07017	.04978	-.02735	-.01778	.10784	.06495	.08653	-.05417	.03558
-3.996	.014	1.10047	.23236	.21380	-.14493	-.13621	.10210	.06305	.07920	-.04909	.03624
-4.003	4.049	1.09999	.38929	.37220	-.26006	-.25189	.09609	.06066	.07059	-.04390	.03354
	GRADIENT	-.00017	.03933	.03973	-.02868	-.02885	-.00145	-.00053	-.00196	.00127	-.00025

RUN NO. 1604/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.082	1.09873	-.13084	-.15131	.12022	.12998	.11169	.06917	-.00391	.00182	.00129
-.001	-3.997	1.10181	.02586	.00792	.00652	.01516	.10460	.06769	.00036	-.00146	.00204
-.001	-.045	1.10091	.19093	.17335	-.11227	-.10376	.10153	.06549	.00304	-.00318	.00240
-.002	3.955	1.09950	.34880	.33232	-.22809	-.09622	.09622	.06274	.00539	-.00489	.00350
	GRADIENT	-.00029	.04061	.04079	-.02950	-.02958	-.00105	-.00062	.00063	-.00043	.00018

RUN NO. 1605/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.060	1.09631	-.11261	-.13847	.10254	.11504	.11778	.06469	-.10154	.06450	-.03357
4.000	-3.990	1.10231	.06147	.04032	-.02309	-.01285	.12159	.07828	-.09902	.06375	-.03519
4.000	.024	1.10085	.22510	.20564	-.14063	-.13117	.12428	.08458	-.09222	.06005	-.03455
3.999	4.019	1.09981	.36937	.35204	-.24734	-.23897	.10629	.07069	-.06839	.04266	-.02723
	GRADIENT	-.00031	.03845	.03892	-.02800	-.02824	-.00191	-.00095	.00382	-.00263	.00099

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC00B4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1606/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.999	-8.048	1.15214	-.07374	-.09188	.07551	-.08397	.11071	.07232	.09356	-.05997	-.03511
-4.000	-4.079	1.15155	.09642	.08083	-.05092	-.04366	.10449	.07147	.08613	-.05473	.03668
-4.001	.018	1.15074	.25630	.24220	-.16747	-.16086	.10046	.07076	.07974	-.04986	.03572
-4.003	4.038	1.14992	.40133	.38863	-.27219	-.26620	.09445	.06779	.07075	-.04356	.03346
	GRADIENT	-.00020	.03757	.03792	-.02726	-.02742	-.00124	-.00045	-.00189	.00138	-.00040

RUN NO. 1607/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.102	1.14908	-.11747	-.13276	.10882	.11607	.10743	.07556	-.00448	.00268	.00092
-.001	-4.085	1.15101	.04753	.03403	-.01313	-.00665	.10134	.07347	.00023	-.00084	.00222
-.001	-.038	1.15085	.21712	.20417	-.13663	-.13034	.09988	.07342	.00320	-.00305	.00300
-.002	3.990	1.14989	.36485	.35294	-.24355	-.23774	.09415	.06995	.00583	-.00495	.00391
	GRADIENT	-.00014	.03930	.03950	-.02854	-.02862	-.00089	-.00044	.00069	-.00051	.00021

RUN NO. 1608/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.046	1.14840	-.09551	-.11438	.08780	.09688	.11156	.07271	-.10135	.06416	-.03381
3.997	-4.067	1.15055	.08331	.06697	-.04255	-.03465	.12109	.08758	-.10314	.06741	-.03704
4.000	.018	1.15058	.24253	.22749	-.15753	-.15022	.12157	.09085	-.09000	.05842	-.03368
4.008	4.068	1.15025	.38132	.36826	-.25809	-.25179	.10743	.08060	-.06907	.04320	-.02763
	GRADIENT	-.00004	.03664	.03704	-.02650	-.02669	-.00168	-.00086	.00419	-.00297	.00116

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC00B5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1609/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-8.030	1.24963	-.07023	-.08748	.07522	.08325	.11839	.08183	.09436	-.06090	.03633
-4.000	-4.081	1.25012	.09619	.08096	-.05047	-.04333	.11312	.08104	.08682	-.05521	.03608
-4.001	.017	1.24986	.25307	.23920	-.16584	-.15928	.10988	.08090	.07977	-.04998	.03581
-4.002	4.063	1.24980	.39423	.38190	-.26833	-.26240	.10513	.07970	.07459	-.04768	.03508
	GRADIENT	-.00004	.03660	.03696	-.02675	-.02690	-.00098	-.00016	-.00150	.00093	-.00012

RUN NO. 1610/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.102	1.24917	-.10731	-.12164	.10326	.11007	.11259	.08272	-.00256	.00118	.00106
-.001	-4.077	1.25054	.06036	.04711	-.02295	-.01658	.11017	.08285	.00084	-.00151	.00248
-.001	.024	1.25039	.22820	.21537	-.14604	-.13978	.10897	.08288	.00401	-.00409	.00341
.001	3.962	1.24951	.36598	.35382	-.24507	-.23912	.10561	.08095	.00625	-.00555	.00387
	GRADIENT	-.00013	.03804	.03817	-.02765	-.02770	-.00056	-.00023	.00067	-.00050	.00017

RUN NO. 1611/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-8.025	1.24927	-.08829	-.10657	.08450	.09323	.12037	.08248	-.10985	.07177	-.03668
3.998	-4.094	1.25036	.07760	.06123	-.03913	-.03126	.12327	.08951	-.09972	.06456	-.03507
4.000	.024	1.25010	.23974	.22504	-.15741	-.15027	.12558	.09556	-.08805	.05666	-.03270
4.006	4.076	1.24986	.37544	.36251	-.25474	-.24841	.11820	.09197	-.07545	.04906	-.02984
	GRADIENT	-.00006	.03646	.03688	-.02640	-.02659	-.00062	.00030	.00297	-.00190	.00064

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RCO0B6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1654/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.999	-8.024	1.24929	-.05527	-.06232	.05778	.06093	.09940	.08397	.09309	-.05936	.03519
-4.002	-4.095	1.25022	.10721	.10142	-.06460	-.06185	.09484	.08280	.08498	-.05312	.03500
-3.995	.013	1.24988	.26109	.25626	-.17747	-.17492	.09195	.08285	.07736	-.04733	.03436
-3.997	4.054	1.24978	.39959	.39568	-.27720	-.27506	.08778	.08064	.07190	-.04463	.03327
	GRADIENT	-.00005	.03589	.03611	-.02609	-.02617	-.00087	-.00026	-.00161	-.00104	-.00021

RUN NO. 1655/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.000	1.24962	-.09008	-.09567	.08443	.08710	.09627	.08471	-.00155	.00049	.00163
.001	-4.073	1.24990	.06715	.06197	-.03323	-.03059	.09388	.08378	.00145	-.00193	.00274
-.000	-.034	1.25020	.23218	.22769	-.15432	-.15197	.09200	.08344	.00452	-.00439	.00359
-.002	3.945	1.24961	.36953	.36604	-.25281	-.25095	.08794	.08146	.00702	-.00613	.00450
	GRADIENT	-.00004	.03772	.03793	-.02739	-.02749	-.00074	-.00029	.00069	-.00052	.00022

RUN NO. 1656/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-8.034	1.24907	-.07353	-.08105	.06588	.06947	.09853	.08292	-.10130	.06454	-.03393
4.000	-4.008	1.25008	.09178	.08686	-.05710	-.05480	.09830	.08794	-.09277	.05860	-.03291
3.994	.016	1.25008	.24602	.24146	-.16901	-.16675	.10031	.09115	-.07912	.04909	-.02977
4.007	4.082	1.25002	.37841	.37414	-.26314	-.26102	.09274	.08419	-.06619	.04123	-.02649
	GRADIENT	-.00001	.03543	.03551	-.02547	-.02549	-.00069	-.00047	.00329	-.00215	.00079

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RCO0B7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.300 IEABDX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1658/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.024	1.29910	-.05442	-.06240	.05778	.06141	.10403	.08679	.09838	-.06458	.03614
-4.000	-4.082	1.30014	.10496	.09837	-.06377	-.06066	.09842	.08463	.08718	-.05545	.03531
-3.996	.017	1.29971	.26220	.25665	-.17989	-.17699	.09590	.08533	.07980	-.04979	.03468
-3.999	4.030	1.29963	.39321	.38857	-.27351	-.27102	.09222	.08362	.07248	-.04531	.03313
	GRADIENT	-.00006	.03554	.03578	-.02586	-.02594	-.00076	-.00012	-.00181	.00125	-.00027

RUN NO. 1659/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-0.002	-7.993	1.30009	-.08469	-.09075	.08022	.08315	.10082	.08836	-.00325	.00209	.00120
.001	-4.064	1.30005	.07154	.06562	-.03736	-.03437	.09801	.08638	-.00012	-.00046	.00273
-.001	-.062	1.29957	.22928	.22393	-.15402	-.15122	.09666	.08646	.00273	-.00279	.00329
-.002	3.945	1.29941	.36541	.36128	-.25131	-.24913	.09265	.08488	.00519	-.00457	.00383
	GRADIENT	-.00008	.03670	.03692	-.02672	-.02682	-.00067	-.00019	.00066	-.00051	.00014

RUN NO. 1660/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-8.015	1.29915	-.07766	-.08575	.07013	.07400	.10200	.08524	-.10393	.06754	-.03445
4.000	-4.014	1.29987	.08517	.07858	-.05287	-.04964	.09917	.08582	-.09135	.05810	-.03197
3.995	.020	1.30017	.23931	.23421	-.16580	-.16328	.10032	.09008	-.07903	.04947	-.02937
3.997	4.027	1.30003	.36903	.36426	-.25688	-.25448	.09750	.08809	-.06586	.04077	-.02649
	GRADIENT	.00002	.03530	.03553	-.02537	-.02548	-.00021	-.00028	.00317	-.00216	.00068

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RCO088) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1662/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.996	-7.902	1.34927	-.05145	-.05946	.05614	.05981	.10753	.09034	.09774	-.06447	.03570
-4.000	-4.028	1.35009	.09669	.08998	-.05793	-.05467	.10188	.08818	.08683	-.05561	.03419
-3.999	.019	1.34962	.25075	.24508	-.17241	-.16943	.09915	.08841	.07924	-.04954	.03428
-4.000	4.043	1.34934	.38676	.38204	-.26969	-.26715	.09545	.08671	.07338	-.04639	.03361
	GRADIENT	-.00009	.03594	.03619	-.02624	-.02633	-.00080	-.00018	-.00167	.00114	-.00007

RUN NO. 1663/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.100	1.34967	-.09054	-.09653	.08528	.08820	.10463	.09244	-.00232	.00155	.00126
-.001	-4.008	1.35039	.07260	.06661	-.03887	-.03579	.10073	.08912	.00124	-.00145	.00295
-.001	-.008	1.34983	.22820	.22291	-.15402	-.15123	.09928	.08933	.00361	-.00348	.00344
-.002	3.947	1.34998	.36031	.35581	-.24825	-.24588	.09618	.08768	.00579	-.00513	.00411
	GRADIENT	-.00005	.03617	.03636	-.02633	-.02641	-.00057	-.00018	-.00057	-.00046	.00015

RUN NO. 1664/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.025	1.34947	-.08039	-.08866	.07304	.07705	.10536	.08842	-.10422	.06808	-.03412
3.999	-4.010	1.35031	.07877	.07211	-.04853	-.04524	.10061	.08718	-.08992	.05721	-.03134
3.998	.024	1.34994	.22889	.22318	-.15911	-.15624	.10021	.08889	-.07643	.04787	-.02826
3.997	4.030	1.35008	.35827	.35325	-.25013	-.24756	.09711	.08732	-.06533	.04090	-.02616
	GRADIENT	-.00003	.03476	.03497	-.02508	-.02517	-.00044	.00002	-.00306	-.00203	.00065

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC00B9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1665/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.999	-7.908	1.39934	-.05454	-.06266	.05943	.06314	.11096	.09349	.09835	-.06535	-.03560
-3.998	-4.082	1.40011	.08468	.07759	-.04514	-.04514	.10456	.09002	.08950	-.05828	.03392
-3.997	.020	1.39960	.24235	.23668	-.16744	-.16450	.10040	.08951	.08240	-.05264	.03434
-4.002	4.043	1.40015	.37889	.37366	-.26489	-.26212	.09790	.08806	.07371	-.04666	.03366
	GRADIENT	.00000	.03622	.03645	-.02663	-.02671	-.00082	-.00024	-.00194	.00143	-.00003

RUN NO. 1666/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.085	1.40019	-.09134	-.09767	.08631	.08939	.10797	.09501	-.00134	.00039	.00175
.000	-4.076	1.40009	.06225	.05575	-.03206	-.02876	.10379	.09110	.00225	-.00259	.00335
-.001	-.007	1.40035	.22162	.21583	-.15062	-.14760	.10171	.09067	.00386	-.00381	.00384
-.002	3.958	1.39982	.35543	.35029	-.24602	-.24334	.09892	.08909	.00525	-.00481	.00418
	GRADIENT	-.00003	.03651	.03667	-.02664	-.02672	-.00061	-.00025	.00037	-.00028	.00010

RUN NO. 1667/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.035	1.39995	-.08144	-.08958	.07404	.07793	.10751	.09054	-.10518	.06926	-.03375
3.997	-4.005	1.39998	.07097	.06404	-.04339	-.04000	.10190	.08783	-.08895	.05656	-.03001
3.996	.026	1.39995	.22290	.21719	-.15629	-.15346	.10021	.08879	-.07494	.04668	-.02769
4.000	4.038	1.40014	.35121	.34588	-.24642	-.24371	.09815	.08769	-.06327	.03918	-.02545
	GRADIENT	.00002	.03485	.03505	-.02525	-.02533	-.00047	-.00002	.00319	-.00216	.00057

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RCOOCO) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1669/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.051	-8.110	1.54951	-.05815	-.06475	.06219	.06523	.11516	.10099	.09762	-.06552	.03422
-4.075	-4.155	1.54895	.06220	.05513	-.03217	-.02868	.10787	.09363	.09185	-.06104	.03222
-4.096	.021	1.54913	.21452	.20909	-.14906	-.14623	.10079	.09041	.08357	-.05479	.03252
-4.069	4.094	1.54862	.35147	.34612	-.24832	-.24548	.09795	.08792	.07381	-.04780	.03287
	GRADIENT	-.00004	.03507	.03528	-.02621	-.02629	-.00121	-.00069	-.00219	-.00160	.00008

RUN NO. 1670/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-7.880	1.54922	-.08587	-.09259	.08288	.08614	.11517	.10144	-.00209	.00123	.00111
.001	-3.973	1.54934	.04057	.03412	-.01646	-.01316	.10776	.09521	-.00046	-.00100	.00207
-.000	.057	1.54957	.19105	.18507	-.13115	-.12805	.10292	.09143	.00279	-.00294	.00293
-.001	4.055	1.54854	.33100	.32537	-.23245	-.22951	.09978	.08910	.00315	-.00306	.00334
	GRADIENT	-.00010	.03618	.03628	-.02691	-.02695	-.00099	-.00076	-.00034	-.00026	.00016

RUN NO. 1671/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.048	-8.120	1.54847	-.08397	-.09119	.07788	.08133	.11319	.09824	-.10135	.06727	-.03314
4.072	-4.069	1.54899	.04484	.03834	-.02334	-.02019	.10454	.09120	-.09046	.05897	-.02918
4.096	.015	1.54953	.19319	.18766	-.13698	-.13428	.09939	.08817	-.07598	.04879	-.02637
4.069	4.101	1.54814	.32500	.31915	-.23085	-.22797	.09860	.08680	-.06471	.04132	-.02559
	GRADIENT	-.00010	.03429	.03437	-.02540	-.02543	-.00073	-.00054	.00315	-.00216	.00044

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RCDOC1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-7.993	.60094	.00047	-.01770	-.00073	.00725	.05264	.01236	.09974	-.06613	.03186
-4.003	-3.942	.60092	.12199	.10611	-.08520	-.07825	.04989	.01457	.08937	-.05945	.03088
-4.010	.133	.60139	.24606	.23243	-.17020	-.16444	.04221	.01114	.07939	-.05309	.03001
-4.008	3.966	.59983	.36866	.35647	-.25511	-.25023	.03035	.00151	.06816	-.04537	.02811
	GRADIENT	-.00014	.03118	.03165	-.02148	-.02174	-.00246	-.00164	-.00268	.00178	-.00035

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.000	-7.941	.59914	-.02790	-.04336	.02134	.02792	.05044	.01538	-.00094	.00089	.00136
-.002	-3.933	.59975	.08409	.07167	-.05603	-.05084	.04736	.01881	.00032	.00008	.00169
-.003	.066	.60061	.20508	.19472	-.13899	-.13466	.03994	.01612	.00164	-.00078	.00231
-.003	4.031	.60002	.32692	.31817	-.22352	-.22012	.02750	.00646	.00220	-.00104	.00266
	GRADIENT	.00003	.03049	.03095	-.02103	-.02125	-.00249	-.00155	.00024	-.00014	.00012

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.026	.59951	-.00983	-.02715	.00400	.01153	.05150	.01282	-.10288	.06860	-.02929
3.991	-3.987	.60116	.10879	.09385	-.07822	-.07188	.04849	.01452	-.09013	.06093	-.02809
3.984	-.017	.60023	.22495	.21223	-.15790	-.15255	.04158	.01251	-.07758	.05309	-.02619
3.989	3.996	.59938	.34162	.33097	-.23825	-.23370	.02792	.00384	-.06381	.04368	-.02316
	GRADIENT	-.00022	.02916	.02970	-.02005	-.02027	-.00258	-.00134	.00330	-.00216	.00062

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(RC00C2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABDX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1481/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-7.987	.89870	-.00151	-.01986	.00077	.00917	.06501	.02560	.09930	-.06397	.03244
-4.010	-3.864	.90090	.13153	.11724	-.09253	-.08603	.05755	.02668	.08960	-.05838	.03182
-4.002	.109	.90022	.27566	.26363	-.19281	-.18741	.04929	.02304	.07965	-.05226	.03199
-4.006	4.139	.89973	.41879	.40863	-.29277	-.28852	.04245	.01907	.07174	-.04676	.02950
	GRADIENT	-.00015	.03590	.03641	-.02502	-.02530	-.00189	-.00095	-.00223	.00145	-.00029

RUN NO. 1482/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.001	-7.890	.89961	-.04996	-.06460	.03837	.04484	.06113	.02880	-.00201	.00122	.00189
-.004	-3.896	.89980	.07633	.06443	-.05000	-.04474	.05397	.02772	.00009	-.00012	.00206
-.003	-.025	.90000	.21100	.20091	-.14434	-.13980	.04649	.02452	.00147	-.00097	.00264
-.006	3.958	.89965	.35462	.34664	-.24480	-.24119	.03872	.02146	.00075	-.00001	.00336
	GRADIENT	-.00002	.03544	.03593	-.02480	-.02501	-.00194	-.00080	.00008	.00001	.00017

RUN NO. 1483/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.989	-7.951	.89942	-.01668	-.03457	.00815	.01612	.06351	.02424	-.10490	.06810	-.02905
3.986	-4.007	.90046	.11190	.09771	-.08144	-.07527	.05594	.02423	-.09078	.05962	-.02851
3.974	.059	.90005	.24695	.23511	-.17522	-.17010	.04796	.02139	-.07535	.04990	-.02700
3.994	3.987	.89990	.37916	.36904	-.26743	-.26301	.04068	.01815	-.06642	.04405	-.02275
	GRADIENT	-.00007	.03343	.03394	-.02326	-.02348	-.00191	-.00076	.00305	-.00195	.00072

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (RC00C3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1484/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.026	1.09607	-.07876	-.10391	.08293	.09474	.11737	.06446	.09732	-.06241	.03699
-4.014	-3.877	1.10072	.08025	.05921	-.03238	-.02249	.10874	.06454	.08500	-.05346	.03594
-4.012	.095	1.10138	.24265	.22319	-.15019	-.14103	.10385	.06299	.07594	-.04721	.03613
-3.988	4.089	1.09933	.39311	.37488	-.25969	-.25103	.09723	.05922	.06664	-.04114	.03239
	GRADIENT	-.00017	.03927	.03962	-.02853	-.02869	-.00145	-.00067	-.00230	-.00155	-.00045

RUN NO. 1485/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.001	-8.035	1.09775	-.11895	-.14036	.11336	.12359	.11301	.06864	-.00188	.00083	.00207
-.003	-4.041	1.10138	.02958	.01060	.00691	.01603	.10689	.06773	.00158	-.00182	.00256
-.004	-.034	1.10105	.19156	.17307	-.10968	-.10077	.10275	.06467	.00432	-.00371	.00318
-.004	3.957	1.10022	.34742	.33018	-.22439	-.21602	.09707	.06187	.00621	-.00509	.00360
	GRADIENT	-.00014	.03974	.03996	-.02892	-.02901	-.00123	-.00073	.00058	-.00041	.00013

RUN NO. 1486/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.994	-7.989	1.09737	-.09784	-.12424	.09390	.10663	.12026	.06594	-.10517	.06793	-.03462
3.993	-3.979	1.10115	.07044	.04850	-.02711	-.01652	.12440	.07932	-.10116	.06587	-.03548
3.985	.035	1.10121	.23000	.20984	-.14165	-.13188	.12705	.08579	-.09725	.06481	-.03598
3.995	4.049	1.09989	.36755	.34906	-.24121	-.23230	.11500	.07697	-.07662	.04967	-.02990
	GRADIENT	-.00016	.03701	.03744	-.02667	-.02688	-.00117	-.00029	.00306	-.00202	.00070

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC00C4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.150 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
- .003	-1.075	1.14977	.18184	.16805	-.10834	-.10163	.10133	.07318	.00301	-.00260	-.00304
-4.002	-8.008	1.14530	-.06412	-.08314	.06965	.07852	.11085	.07059	.09605	-.06084	.03649
-4.021	-3.846	1.15049	.10797	.09195	-.05692	-.04945	.10500	.07111	.08615	-.05425	.03817
-4.003	.112	1.15104	.26650	.25160	-.17223	-.16520	.10190	.07064	.07721	-.04832	.03665
-4.008	4.185	1.14981	.40881	.39494	-.27437	-.26786	.09517	.06598	.06671	-.04102	.03244
	GRADIENT	-.00008	.03745	.03771	-.02707	-.02719	-.00123	-.00064	-.00242	.00165	-.00072

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
- .001	-8.008	1.14795	-.10328	-.11913	.09981	.10737	.10787	.07496	-.00188	.00120	.00202
- .001	-4.042	1.15067	.05694	.04270	-.01723	-.01037	.10260	.07332	.00161	-.00141	.00279
- .005	-.017	1.15069	.22329	.20933	-.13835	-.13156	.10171	.07324	.00493	-.00390	.00379
- .005	4.081	1.14985	.37140	.35869	-.24636	-.24017	.09515	.06929	.00706	-.00543	.00379
	GRADIENT	-.00010	.03870	.03889	-.02820	-.02828	-.00092	-.00050	.00067	-.00050	.00012

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.993	-8.052	1.14749	-.08496	-.10469	.08200	.09153	.11507	.07455	-.10701	.06917	-.03547
3.990	-3.976	1.15045	.09637	.07950	-.04913	-.04097	.12625	.09165	-.10980	.07327	-.03902
3.989	.032	1.15068	.24887	.23319	-.15943	-.15177	.12601	.09410	-.09718	.06478	-.03586
3.994	4.066	1.15017	.37884	.36474	-.25274	-.24588	.11127	.08249	-.07627	.04940	-.02957
	GRADIENT	-.00004	.03512	.03547	-.02532	-.02548	-.00186	-.00114	.00417	-.00297	.00118

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(RC00C5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1491/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.005	-7.877	1.24839	-.05143	-.06893	.06140	.06954	.11740	.08030	.09800	-.06327	.03869
-4.020	-3.828	1.25063	.11644	.10101	-.06444	-.05712	.11285	.08062	.08762	-.05601	.03778
-4.009	.156	1.25056	.27550	.26124	-.18108	-.17431	.11124	.08151	.07955	-.05105	.03670
-3.992	4.119	1.25002	.40832	.39549	-.27733	-.27119	.10542	.07884	.07032	-.04495	.03326
	GRADIENT	-.00008	.03673	.03706	-.02679	-.02694	-.00093	-.00022	-.00218	.00139	-.00057

RUN NO. 1492/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.001	-8.025	1.24899	-.09213	-.10687	.09270	.09976	.11330	.08278	.00011	-.00048	.00235
-.003	-5.125	1.25008	.02659	.01256	.00337	.01012	.11138	.08247	.00255	-.00239	.00313
-.003	-4.035	1.25018	.07167	.05793	-.03012	-.02348	.11075	.08255	.00349	-.00310	.00337
-.005	.010	1.25003	.23700	.22353	-.15078	-.14419	.10992	.08257	.00590	-.00518	.00402
	GRADIENT	-.00004	.04088	.04094	-.02983	-.02985	-.00020	.00001	.00060	-.00051	.00016

RUN NO. 1493/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.991	-8.076	1.24901	-.07554	-.09448	.07640	.08552	.12588	.08687	-.11641	.07749	-.03869
3.994	-3.974	1.25019	.09776	.08089	-.05202	-.04386	.12960	.09500	-.10752	.07133	-.03758
3.994	.044	1.25023	.25221	.23689	-.16420	-.15673	.13191	.10071	-.09565	.06319	-.03499
4.000	4.097	1.24983	.38138	.36769	-.25691	-.25017	.12140	.09378	-.08117	.05395	-.03113
	GRADIENT	-.00005	.03514	.03553	-.02538	-.02556	-.00102	-.00015	.00326	-.00215	.00080

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC00C6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1501/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.004	-7.871	1.24879	-.02858	-.03574	.03668	.03990	.09655	.08407	.09595	-.06125	.03720
-4.019	-3.829	1.25046	.13426	.12838	-.08504	-.08218	.09622	.08419	.08496	-.05337	.03609
-4.008	.154	1.25006	.29222	.28719	-.20029	-.19766	.09446	.08487	.07643	-.04784	.03476
-3.990	4.108	1.24964	.42045	.41623	-.29216	-.28991	.08947	.08157	.06681	-.04131	.03132
	GRADIENT	-.00010	.03606	.03627	-.02610	-.02618	-.00085	-.00033	-.00229	.00152	-.00060

RUN NO. 1502/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.000	-8.015	1.24890	-.07116	-.07702	.06977	.07262	.09785	.08590	-.00014	-.00024	.00218
-.002	-5.122	1.25039	.04367	.03822	-.01607	-.01331	.09630	.08558	.00276	-.00249	.00322
-.002	-4.023	1.25016	.08964	.08428	-.04997	-.04720	.09596	.08562	.00342	-.00304	.00332
-.003	.008	1.25006	.25382	.24878	-.17032	-.16766	.09420	.08468	.00564	-.00503	.00415
	GRADIENT	-.00002	.04072	.04080	-.02985	-.02988	-.00044	-.00023	.00055	-.00049	.00021

RUN NO. 1503/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.986	-8.066	1.24898	-.05370	-.06200	.05143	.05550	.10418	.08734	-.10832	.07058	-.03617
3.994	-3.964	1.25039	.11569	.10932	-.07371	-.07054	.10755	.09483	-.09817	.06320	-.03450
3.989	.048	1.25020	.26561	.26062	-.18223	-.17973	.10821	.09830	-.08537	.05410	-.03140
4.000	4.094	1.24974	.39118	.38640	-.27093	-.26848	.09914	.08986	-.07125	.04530	-.02760
	GRADIENT	-.00008	.03419	.03438	-.02447	-.02456	-.00105	-.00062	.00334	-.00222	.00086

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC00C7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1505/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.005	-7.914	1.29910	-.02952	-.03764	.03829	.04200	.10473	.08724	.09919	-.06447	-.03766
-4.021	-3.833	1.29985	.13262	.12586	-.08477	-.08146	.10008	.08637	.08636	-.05478	.03602
-4.007	.117	1.30036	.28678	.28121	-.19770	-.19481	.09835	.08767	.07624	-.04772	.03458
-3.990	4.110	1.29976	.41441	.40942	-.28875	-.28613	.09397	.08452	.06672	-.04137	.03165
GRADIENT	GRADIENT	-.00001	.03547	.03569	-.02567	-.02576	-.00077	-.00023	-.00247	-.00169	-.00055

RUN NO. 1506/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.000	-8.040	1.29929	-.06863	-.07510	.06775	.07090	.10251	.08932	-.00120	.00076	.00171
-.002	-4.007	1.30018	.09352	.08734	-.05390	-.05072	.10003	.08809	.00177	-.00159	.00340
-.004	.021	1.30015	.25385	.24789	-.17195	-.16882	.09919	.08791	.00393	-.00354	.00387
-.004	3.995	1.29944	.38156	.37688	-.26279	-.26034	.09435	.08543	.00605	-.00512	.00437
GRADIENT	GRADIENT	-.00009	.03601	.03619	-.02611	-.02620	-.00071	-.00033	.00053	-.00044	.00012

RUN NO. 1507/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.994	-8.049	1.29904	-.05767	-.06679	.05516	.05959	.10630	.08769	-.10815	.07125	-.03569
3.991	-3.984	1.30020	.10807	.10087	-.06907	-.06549	.10677	.09236	-.09630	.06221	-.03338
3.991	.056	1.30033	.26153	.25589	-.18116	-.17833	.10840	.09723	-.08501	.05433	-.03102
3.998	4.091	1.29978	.38555	.38001	-.26753	-.26466	.10464	.09399	-.07122	.04516	-.02776
GRADIENT	GRADIENT	-.00005	.03436	.03457	-.02458	-.02467	-.00026	.00020	.00311	-.00211	.00070

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC00C8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = 999.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1508/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.995	-7.854	1.34949	-.02767	-.03612	.03714	.04104	.10802	.08998	.10080	-.06609	-.03746
-4.018	-3.811	1.35039	.12464	.11757	-.07935	-.07588	.10286	.08856	.08718	-.05547	.03539
-4.004	.128	1.35019	.27971	.27345	-.19377	-.19052	.10037	.08834	.07596	-.04761	.03419
-4.001	4.202	1.34965	.41111	.40553	-.28683	-.28391	.09718	.08656	.06773	-.04284	.03175
	GRADIENT	-.00009	.03573	.03592	-.02588	-.02595	-.00071	-.00025	-.00242	.00157	-.00045

RUN NO. 1509/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.000	-8.031	1.34904	-.07084	-.07759	.06941	.07270	.10589	.09214	-.00021	.00014	.00194
-.002	-4.000	1.34993	.09276	.08616	-.05434	-.05094	.10262	.08987	.00305	-.00247	.00342
-.004	.015	1.34993	.24861	.24242	-.16911	-.16585	.10163	.08992	.00481	-.00418	.00401
-.004	3.993	1.34910	.37869	.37355	-.26160	-.25891	.09854	.08874	.00643	-.00548	.00443
	GRADIENT	-.00010	.03578	.03596	-.02593	-.02602	-.00051	-.00014	.00042	-.00038	.00013

RUN NO. 1510/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.993	-8.050	1.34912	-.05870	-.06768	.05628	.06055	.10865	.08998	-.10740	.07096	-.03521
3.996	-4.042	1.35026	.09901	.09123	-.06281	-.05895	.10790	.09236	-.09394	.06053	-.03241
3.989	.056	1.34977	.25252	.24602	-.17240	-.17240	.10879	.09587	-.08222	.05255	-.02994
3.999	4.087	1.35056	.37906	.37328	-.26432	-.26135	.10576	.09455	-.07013	.04482	-.02738
	GRADIENT	.00004	.03446	.03471	-.02480	-.02491	-.00026	.00027	.00293	-.00193	.00062

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RC00C9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1512/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.995	-7.861	1.39965	-.02907	-.03752	.03809	.04202	.11000	.09206	.10067	-.06676	.03672
-4.021	-3.816	1.40070	-.11893	-.11192	-.07595	-.07251	.10533	.09111	.08796	-.05677	.03426
-4.001	.119	1.40036	.27406	.26764	-.19042	-.18710	.10333	.09093	.07649	-.04864	.03351
-3.992	4.109	1.39957	.40280	.39680	-.28221	-.27910	.10028	.08874	.06746	-.04283	.03179
	GRADIENT	-.00014	.03581	.03594	-.02602	-.02606	-.00064	-.00030	-.00259	.00176	-.00031

RUN NO. 1513/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.001	-8.015	1.39954	-.07121	-.07814	.07045	.07384	.10957	.09547	.00201	-.00199	.00239
-.001	-4.004	1.40014	.08598	.07890	-.05023	-.04661	.10565	.09186	.00440	-.00396	.00372
-.005	.018	1.40001	.24410	.23744	-.16742	-.16394	.10430	.09157	.00508	-.00451	.00425
-.004	3.996	1.39942	.37396	.36826	-.25965	-.25669	.10134	.09044	.00606	-.00530	.00442
	GRADIENT	-.00009	.03600	.03618	-.02618	-.02626	-.00054	-.00018	.00021	-.00017	.00009

RUN NO. 1514/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.987	-8.061	1.39940	-.06231	-.07097	.05880	.06281	.10953	.09112	-.10541	.06968	-.03430
3.997	-3.974	1.40056	.09213	.08433	-.05932	-.05549	.10537	.08958	-.09136	.05873	-.03086
3.997	.070	1.39980	.24653	.24010	-.17360	-.17039	.10543	.09261	-.08071	.05158	-.02918
3.997	4.075	1.40025	.37125	.36517	-.26041	-.25732	.10528	.09335	-.06889	.04388	-.02692
	GRADIENT	-.00004	.03468	.03489	-.02499	-.02508	-.00001	.00047	.00279	-.00184	.00049

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(RCOODO) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.950	-7.869	1.54814	-.03422	-.04186	.04229	.04583	.11548	.09918	.09750	-.06509	-.03526
-3.932	-3.768	1.54965	.09512	.08791	-.05908	-.05549	.10763	.09325	.08764	-.05774	.03155
-3.906	.122	1.55050	.24150	.23490	-.16882	-.16549	.10360	.09057	.07596	-.04933	.03075
-3.908	4.054	1.54944	.37101	.36482	-.26246	-.25926	.09990	.08797	.06594	-.04262	.03046
	GRADIENT	-.00003	.03527	.03539	-.02600	-.02605	-.00099	-.00068	-.00277	.00193	-.00014

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.000	-7.941	1.54847	-.06943	-.07658	.06953	.07297	.11669	.10200	.00043	-.00048	.00168
-.002	-3.904	1.55005	.06280	.05555	-.03419	-.03050	.10908	.09492	.00252	-.00235	.00224
-.003	.114	1.54974	.21541	.20804	-.14966	-.14586	.10556	.09137	.00403	-.00372	.00306
-.006	4.096	1.54728	.35163	.34534	-.24784	-.24459	.10188	.08979	.00353	-.00317	.00325
	GRADIENT	-.00035	.03611	.03622	-.02671	-.02676	-.00090	-.00064	.00013	-.00010	.00013

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.036	-8.158	1.54800	-.06411	-.07228	.06164	.06550	.11603	.09894	-.10455	.07004	-.03428
4.063	-4.060	1.54934	.06459	.05673	-.03907	-.03526	.10717	.09109	-.09035	.05908	-.02976
4.099	.059	1.54965	.21676	.21000	-.15486	-.15156	.10374	.08999	-.07869	.05109	-.02752
4.066	4.140	1.54923	.34660	.33998	-.24648	-.24317	.10401	.09080	-.07005	.04572	-.02694
	GRADIENT	-.00001	.03440	.03455	-.02530	-.02536	-.00039	-.00003	.00248	-.00163	.00035

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2 (RC00D1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1720/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-8.095	.5982	-.02103	-.03893	.01518	.02286	.05175	.01139	.09570	-.06356	.02926
-4.000	-4.003	.60092	.09632	.08099	-.06644	-.05984	.04827	.01378	.09004	-.06020	.02940
-4.001	-.006	.60068	.21246	.19988	-.14678	-.14155	.03927	.01027	.08429	-.05658	.02988
-4.003	3.976	.59947	.33531	.32483	-.23203	-.22773	.02632	.00197	.07327	-.04905	.02889
	GRADIENT	-.00018	.02995	.03056	-.02075	-.02104	-.00275	-.00148	-.00210	.00140	-.00006

RUN NO. 1721/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.013	.59905	-.04331	-.05791	.03233	.03850	.04822	.01491	-.00664	.00479	-.00071
.001	-3.930	.60059	.06985	.05763	-.04563	-.04051	.04597	.01792	-.00447	.00323	-.00032
.001	-.002	.60120	.19100	.18096	-.12872	-.12460	.03952	.01619	-.00286	.00218	.00030
-.000	4.066	.60024	.31510	.30639	-.21495	-.21139	.02735	.00702	-.00068	.00081	.00109
	GRADIENT	-.00004	.03067	.03111	-.02117	-.02137	-.00233	-.00137	.00047	-.00030	.00018

RUN NO. 1722/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.000	-8.092	.59864	-.01220	-.03018	.00798	.01586	.05253	.01258	-.10602	.07072	-.03158
3.996	-4.023	.60076	.10782	.09238	-.07549	-.06889	.04935	.01448	-.09257	.06250	-.03010
3.995	-.010	.60109	.22222	.20927	-.15444	-.14894	.04127	.01188	-.07976	.05431	-.02818
3.999	3.968	.60071	.33885	.32842	-.23513	-.23068	.03796	.00433	-.06538	.04453	-.02495
	GRADIENT	-.00001	.02891	.02954	-.01998	-.02025	-.00268	-.00127	.00340	-.00225	.00064

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2

(RC00D2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1724/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-8.097	.79825	-.01458	-.03267	.00935	.01738	.05522	.01540	.09480	-.06248	-.02942
-3.999	-4.009	.80030	.11258	.09807	-.07969	-.07343	.04937	.01677	.08880	-.05862	.02966
-3.992	-.077	.80010	.23201	.22027	-.16229	-.15726	.03994	.01345	.08216	-.05451	.03030
-4.005	3.929	.79984	.36832	.35863	-.25714	-.25309	.02813	.00590	.07256	-.04801	.03039
	GRADIENT	-.00006	.03222	.03283	-.02236	-.02264	-.00268	-.00137	-.00205	.00134	.00009

RUN NO. 1725/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.003	-8.046	.80001	-.05215	-.06618	.03769	.04371	.05059	.01890	-.00646	.00456	-.00064
.002	-4.008	.80042	.06847	.05664	-.04614	-.04106	.04609	.01943	-.00461	.00337	-.00029
.001	-.015	.79953	.19806	.18808	-.13538	-.13112	.03948	.01688	-.00275	.00214	.00045
.000	4.075	.79937	.33726	.32920	-.23216	-.22879	.02733	.00882	-.00081	.00074	.00132
	GRADIENT	-.00013	.03326	.03372	-.02302	-.02323	-.00232	-.00132	.00047	-.00033	.00020

RUN NO. 1726/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-7.996	.79894	-.00205	-.02027	-.00067	.00722	.05570	.01489	-.10838	.07214	-.03235
4.001	-4.046	.80054	.12033	.10533	-.08620	-.07978	.05015	.01628	-.09618	.06463	-.03137
3.991	-.059	.80067	.24014	.22784	-.16882	-.16363	.04140	.01338	-.08133	.05507	-.02911
4.005	3.909	.79964	.36891	.35884	-.25861	-.25437	.02965	.00663	-.06749	.04533	-.02632
	GRADIENT	-.00011	.03125	.03187	-.02167	-.02195	-.00258	-.00121	.00361	-.00243	.00063

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2 (RCOOD3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1727/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-7.978	.89972	-.02664	-.04425	.01939	.02733	.06253	.02424	.09483	-.06122	.02903
-3.999	-4.072	.90030	.10075	.08699	-.07032	-.06429	.05431	.02370	.08833	-.05758	.02936
-3.991	-.008	.90020	.23901	.22804	-.16684	-.16205	.04490	.02048	.08157	-.05354	.03057
-3.997	3.991	.89994	.37972	.37076	-.26564	-.26183	.03734	.01699	.07483	-.04887	.02917
GRADIENT	GRADIENT	-.00004	.03460	.03519	-.02422	-.02450	-.00210	-.00083	-.00167	.00108	-.00002

RUN NO. 1728/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.004	-8.052	.90002	-.07598	-.09008	.05703	.06321	.05764	.02635	-.00527	.00311	-.00002
.003	-4.055	.90042	.04930	.03824	-.03056	-.02572	.05061	.02603	-.00260	.00132	.00033
.002	-.028	.89989	.19051	.18142	-.12894	-.12490	.04361	.02365	-.00148	.00077	.00050
.001	3.958	.89956	.33521	.32819	-.23037	-.22719	.03597	.02078	-.00020	.00029	.00156
GRADIENT	GRADIENT	-.00011	.03568	.03618	-.02493	-.02514	-.00183	-.00066	.00030	-.00013	.00015

RUN NO. 1729/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.001	-7.958	.89999	-.01841	-.03648	.01238	.02032	.06372	.02369	-.10857	.07045	-.03190
4.002	-4.055	.90005	.10817	.09387	-.07646	-.07027	.05580	.02373	-.09444	.06187	-.03086
3.996	.008	.90093	.24376	.23257	-.17107	-.16627	.04699	.02173	-.07910	.05237	-.02973
3.997	3.996	.89982	.37876	.36956	-.26607	-.26214	.03888	.01810	-.06834	.04500	-.02623
GRADIENT	GRADIENT	-.00003	.03361	.03425	-.02355	-.02383	-.00210	-.00070	.00324	-.00210	.00057

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2 (RCO0D4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1730/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.000	-8.094	.94911	-.05041	-.06669	.03992	.04726	.07051	.03515	.09474	-.06032	.02935
-4.002	-4.078	.95033	.08434	.07184	-.05026	-.05026	.06022	.03301	.08707	-.05544	.02937
-3.994	.033	.95112	.22751	.21760	-.15692	-.15242	.05096	.02953	.07928	-.05074	.02989
-3.998	3.993	.94913	.37405	.36589	-.26041	-.25667	.04360	.07132	-.07132	-.04527	.03015
GRADIENT	GRADIENT	-.00015	.03589	.03642	-.02534	-.02557	-.00206	-.00086	-.00195	.00126	.00010

RUN NO. 1731/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.003	-8.058	.95008	-.09440	-.10808	.07480	.08096	.06771	.03796	-.00652	.00422	-.00070
.002	-4.047	.95023	.03484	.02476	-.01735	-.01286	.05763	.03553	-.00323	.00185	-.00041
.001	-.021	.94975	.17813	.17018	-.11842	-.11472	.04866	.03184	-.00148	.00086	-.00002
.000	3.976	.94891	.32987	.32435	-.22569	-.22307	.03938	.02789	-.00056	.00045	.00143
GRADIENT	GRADIENT	-.00016	.03677	.03734	-.02597	-.02620	-.00228	-.00095	-.00033	-.00018	.00023

RUN NO. 1732/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-7.943	.95005	-.04033	-.05755	.03173	.03942	.07106	.03333	-.10766	.06878	-.03203
4.000	-4.054	.95032	.08986	.07599	-.06034	-.05420	.06209	.03154	-.09161	.05837	-.03103
3.989	.042	.95009	.23127	.22061	-.15993	-.15521	.05394	.03046	-.07779	.05029	-.02990
4.001	3.987	.94874	.36568	.35787	-.25114	-.25114	.04458	.02812	-.06617	.04216	-.02647
GRADIENT	GRADIENT	-.00020	.03430	.03506	-.02418	-.02449	-.00218	-.00042	.00317	-.00202	.00057

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2 (RCOOD5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABDX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1733/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.005	-8.101	1.05037	-.08399	-.10311	.07705	.08590	.09417	.05345	.09170	-.05665	.03132
-4.002	-4.018	1.04856	.07249	.05612	-.03553	-.02792	.08423	.04947	.08095	-.04836	.03120
-3.998	.020	1.05056	.23192	.21683	-.14989	-.14286	.08065	.04871	.07502	-.04451	.03306
-3.997	4.004	1.05004	.38422	.37121	-.25983	-.25369	.07370	.04642	.06674	-.03947	.03102
	GRADIENT	.00019	.03886	.03928	-.02796	-.02815	-.00131	-.00038	-.00177	.00111	-.00002

RUN NO. 1734/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.004	-8.020	1.04975	-.11750	-.13392	.10390	.11169	.09111	.05682	-.00378	.00191	-.00035
.002	-4.045	1.05192	.02982	.01403	-.00051	.00706	.08748	.05484	.00007	-.00089	.00035
.001	-.005	1.05087	.19735	.18278	-.12119	-.11422	.08174	.05159	.00190	-.00195	.00093
-.000	3.967	1.04964	.34846	.33752	-.23133	-.22601	.07061	.04829	.00382	-.00341	.00218
	GRADIENT	-.00028	.03978	.04038	-.02881	-.02909	-.00210	-.00082	.00047	-.00031	.00023

RUN NO. 1735/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.000	-8.034	1.04953	-.06995	-.08951	.06576	.07500	.09691	.05600	-.10436	.06457	-.03533
3.998	-4.011	1.05084	.09492	.07892	-.05124	-.04371	.10131	.06771	-.10148	.06384	-.03660
4.004	.015	1.05052	.25884	.24368	-.16810	-.16093	.10533	.07363	-.09322	.05932	-.03565
4.001	4.010	1.04994	.38839	.37547	-.26210	-.25606	.08420	.05695	-.06967	.04237	-.02810
	GRADIENT	-.00011	.03659	.03698	-.02629	-.02648	-.00213	-.00134	.00396	-.00268	.00106

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2

(RC00D6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-8.063	1.09762	-.10967	-.13301	.10588	.11683	.11466	.06553	.09421	-.05966	-.03409
-4.001	-4.091	1.10122	.04563	.02588	-.00661	.00271	.10651	.06514	.08519	-.05282	-.03399
-4.000	.009	1.10058	.20554	.18708	-.12242	-.11361	.10136	.06307	.07769	-.04778	.03535
-3.999	4.002	1.09949	.35338	.33628	-.22999	-.22176	.09427	.05906	.06913	-.04256	.03208
	GRADIENT	-.00021	.03803	.03836	-.02761	-.02774	-.00151	-.00075	-.00198	.00127	-.00023

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.004	-8.092	1.09922	-.14472	-.16520	.13341	.14322	.11154	.06920	-.00502	.00273	-.00070
.003	-4.010	1.10171	.00921	-.00903	.02288	.03170	.10464	.06722	-.00160	.00015	-.00041
.002	-.041	1.10070	.17060	.15299	-.09404	-.08552	.10038	.06431	.00081	-.00141	.00018
.001	3.964	1.09933	.32675	.31022	-.20848	-.20039	.09541	.06189	.00327	-.00327	.00116
	GRADIENT	-.00030	.03982	.04003	-.02901	-.02910	-.00116	-.00067	.00061	-.00043	.00020

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.996	-8.044	1.09840	-.10325	-.12757	.10184	.11353	.12403	.07387	-.11790	.07755	-.03956
3.998	-4.013	1.10181	.06807	.04760	-.02119	-.01139	.13036	.08803	-.11439	.07597	-.04045
4.000	.015	1.10091	.22937	.21027	-.13720	-.12800	.13357	.09424	-.10681	.07154	-.03966
3.998	4.003	1.09999	.36589	.34874	-.23709	-.22884	.11891	.08353	-.08534	.05568	-.03331
	GRADIENT	-.00023	.03716	.03757	-.02693	-.02713	-.00143	-.00056	.00362	-.00253	.00089

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2 (RC00D7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABDX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1740/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.001	-8.028	1.15261	-.09257	-.10976	.09097	.09898	.10842	.07205	.09256	-.05892	.03352
-4.000	-4.077	1.15216	.07308	.05811	-.03105	-.02403	.10309	.07157	.08455	-.05323	.03525
-4.000	.018	1.15150	.23147	.21743	-.14637	-.13968	.10012	.07094	.07864	-.04892	.03521
-4.000	4.013	1.15003	.37069	.35787	-.24655	-.24041	.09312	.06658	.06897	-.04205	.03245
	GRADIENT	-.00026	.03679	.03706	-.02664	-.02675	-.00123	-.00061	-.00192	.00138	-.00034

RUN NO. 1741/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.004	-8.014	1.14954	-.12776	-.14285	.11905	.12627	.10687	.07564	-.00487	.00296	-.00095
.003	-4.060	1.15115	.03276	.01896	.00144	.00813	.10137	.07312	-.00228	.00116	-.00030
.002	-.032	1.15084	.20082	.18748	-.12124	-.11472	.09958	.07243	.00050	-.00087	.00073
.000	3.959	1.14988	.34359	.33150	-.22484	-.21890	.09386	.06944	.00303	-.00275	.00165
	GRADIENT	-.00016	.03877	.03898	-.02822	-.02831	-.00094	-.00046	.00066	-.00049	.00024

RUN NO. 1742/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.069	1.14814	-.08564	-.10364	.08703	.09565	.12013	.08293	-.11966	.07882	-.04024
4.003	-4.016	1.15052	.09621	.08062	-.04499	-.03751	.13062	.09844	-.12093	.08180	-.04318
4.000	.017	1.15092	.24963	.23511	-.15589	-.14888	.13159	.10174	-.10719	.07222	-.03963
3.998	4.005	1.15002	.37725	.36434	-.24803	-.24182	.11840	.09180	-.08650	.05674	-.03364
	GRADIENT	-.00006	.03504	.03538	-.02532	-.02548	-.00152	-.00082	.00429	-.00312	.00119

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2

(RC00D8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1743/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.005	-8.040	1.25049	-.08261	-.09860	.08573	.09319	.11589	.08207	.09338	-.05999	-.03508
-4.003	-4.081	1.25067	.07910	.06444	-.03537	-.02842	.11236	.08177	.08657	-.05489	-.03532
-4.000	.014	1.25018	.23040	.21643	-.14622	-.13947	.10965	.08100	.07880	-.04915	.03494
-4.000	4.029	1.25003	.36774	.35465	-.24600	-.23967	.10486	.07799	.07325	-.04630	.03336
	GRADIENT	-.00008	.03560	.03579	-.02598	-.02605	-.00092	-.00046	-.00164	.00106	-.00024

RUN NO. 1744/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.004	-8.042	1.24956	-.11320	-.12745	.10973	.11651	.11256	.08294	-.00349	.00187	-.00105
.003	-4.036	1.25072	.04839	.03493	-.01137	-.00484	.10985	.08234	-.00065	-.00023	-.00007
.002	-.046	1.25015	.21061	.19762	-.13024	-.12386	.10804	.08175	.00172	-.00199	.00097
.001	3.955	1.24945	.34969	.33737	-.23039	-.22434	.10492	.07999	.00371	-.00328	.00174
	GRADIENT	-.00016	.03770	.03785	-.02741	-.02747	-.00062	-.00029	.00054	-.00038	.00023

RUN NO. 1745/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.005	-8.065	1.24968	-.07223	-.08953	.07940	.08761	.13270	.09666	-.13135	.08923	-.04441
4.002	-4.024	1.25012	.09721	.08164	-.04610	-.03867	.13606	.10376	-.12091	.08182	-.04262
4.005	.017	1.24979	.24721	.23267	-.15514	-.14812	.13767	.10779	-.10774	.07259	-.03944
3.998	4.028	1.25005	.37514	.36231	-.24819	-.24191	.12797	.10190	-.09363	.06348	-.03580
	GRADIENT	-.00001	.03452	.03486	-.02510	-.02524	-.00100	-.00023	.00339	-.00228	.00085

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,3 (RC00D9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1698/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.999	-8.035	1.24903	-0.05593	-0.06188	.05793	.06052	.09857	.08529	.09101	-.05780	.03373
-4.001	-4.013	1.24977	.10669	.10165	-.06383	-.06149	.09418	.08347	.08270	-.05132	.03354
-3.999	.016	1.25027	.25419	.24992	-.17210	-.16985	.09160	.08352	.07417	-.04488	.03225
-3.998	4.012	1.24977	.38309	.37911	-.26416	-.26212	.08791	.08018	.06889	-.04212	.03089
	GRADIENT	.00000	.03445	.03458	-.02497	-.02500	-.00078	-.00041	-.00172	.00115	-.00033

RUN NO. 1699/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.001	-7.988	1.24938	-.08588	-.09072	.08158	.08393	.09623	.08636	-.00359	.00184	-.00104
.002	-4.062	1.25036	.06838	.06327	-.03337	-.03072	.09473	.08494	-.00112	.00003	-.00016
.000	-.045	1.25013	.23185	.22716	-.15323	-.15075	.09315	.08431	.00146	-.00185	.00085
-.001	3.989	1.24965	.36563	.36214	-.24880	-.24691	.08865	.08225	.00323	-.00295	.00152
	GRADIENT	-.00009	.03692	.03712	-.02676	-.02685	-.00076	-.00033	.00054	-.00037	.00021

RUN NO. 1700/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.031	1.24925	-.04320	-.04965	.04768	.05070	.10753	.09393	-.11986	.07966	-.04081
4.002	-4.017	1.25009	.12344	.11829	-.07530	-.07284	.11154	.10085	-.11109	.07338	-.03950
4.000	.018	1.25027	.26928	.26498	-.18116	-.17902	.11171	.10315	-.09776	.06406	-.03618
4.000	4.017	1.24986	.38857	.38486	-.26607	-.26420	.10398	.09664	-.08404	.05531	-.03269
	GRADIENT	-.00003	.03300	.03318	-.02375	-.02382	-.00094	-.00052	.00337	-.00225	.00085

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.3 (RCOOEO) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1702/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	-8.031	1.29909	-.05657	-.06313	.05860	.06149	.10179	.08729	.09608	-.06286	-.03434
-4.001	-4.022	1.30003	.10541	.09968	-.06366	-.06094	.09775	.08580	.08526	-.05405	.03370
-3.995	.018	1.30004	.25414	.24920	-.17359	-.17101	.09490	.08546	.07713	-.04782	.03254
-4.001	4.027	1.29997	.37736	.37240	-.26079	-.25830	.09244	.08260	.06936	-.04289	.03131
GRADIENT		-.00001	.03379	.03388	-.02449	-.02452	-.00066	-.00040	-.00198	.00139	-.00030

RUN NO. 1703/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.003	-8.072	1.29944	-.08183	-.08736	.07835	.08105	.10039	.08917	-.00467	.00292	-.00107
.001	-4.065	1.30038	.07199	.06608	-.03697	-.03393	.09849	.08706	-.00258	.00137	-.00009
.000	-.037	1.30000	.23073	.22517	-.15370	-.15077	.09748	.08700	.00012	-.00058	.00089
-.000	3.958	1.29945	.36061	.35603	-.24662	-.24421	.09329	.08460	.00194	-.00186	.00142
GRADIENT		-.00012	.03598	.03615	-.02614	-.02622	-.00065	-.00031	.00056	-.00040	.00019

RUN NO. 1704/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.999	-8.035	1.29981	-.04564	-.05338	.04989	.05357	.10954	.09342	-.11939	.07991	-.04041
4.002	-4.008	1.30025	.11721	.11479	-.07155	-.06903	.11095	.09947	-.10867	.07189	-.03829
3.996	.025	1.30033	.26516	.25996	-.17995	-.17736	.11148	.10114	-.09554	.06257	-.03514
4.002	4.024	1.29980	.38161	.37703	-.26187	-.25955	.10653	.09755	-.08242	.05382	-.03219
GRADIENT		-.00006	.03292	.03303	-.02370	-.02372	-.00055	-.00024	.00327	-.00225	.00076

IA613A(AEDC 16TF-829) DT (MIRROR) + ASRM + S1,3 (RC00E1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1706/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.003	-8.026	1.34917	-.05593	-.06281	.05846	.06155	1.0553	.09052	.09599	-.06317	.03393
-4.000	-4.012	1.34982	.09956	.09334	-.06011	-.05709	1.0080	.08809	.08471	-.05389	.03273
-4.003	.017	1.35004	-.24388	-.23866	-.16691	-.16420	.09799	.08802	.07696	-.04800	.03198
-4.002	4.017	1.34991	.37039	.36531	-.25656	-.25401	.09564	.08557	.07049	-.04423	.03165
	GRADIENT	.00001	.03373	.03387	-.02447	-.02453	-.00064	-.00031	-.00177	.00120	-.00013

RUN NO. 1707/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.001	-7.980	1.34978	-.07586	-.08168	.07391	.07675	1.0379	.09192	-.00430	.00272	-.00089
.001	-4.046	1.35070	.07590	.06986	-.04072	-.03762	1.0128	.08957	-.00207	.00103	-.00007
.000	-.034	1.35003	.22681	.22092	-.15171	-.14865	1.0030	.08899	.00060	-.00089	.00088
-.001	3.991	1.34962	.35572	.35056	-.24348	-.24082	.09703	.08703	.00210	-.00189	.00148
	GRADIENT	-.00013	.03482	.03492	-.02523	-.02528	-.00053	-.00032	-.00052	.00036	-.00019

RUN NO. 1708/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.998	-8.044	1.34940	-.04792	-.05590	.05218	.05601	1.1187	.09541	-.11942	.08021	-.04014
4.002	-4.013	1.35003	.11246	.10607	-.06889	-.06584	1.1256	.09927	-.10849	.07200	-.03823
3.999	.020	1.35002	.25602	.25012	-.17423	-.17132	1.1283	.10098	-.09421	.06206	-.03456
4.000	4.022	1.34962	.37375	.36868	-.25719	-.25462	1.0830	.09832	-.08203	.05418	-.03198
	GRADIENT	-.00005	.03252	.03268	-.02344	-.02350	-.00053	-.00012	-.00222	.00039	-.00078

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.3

(RC00E2) (13 APR 92)

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BRF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 1709/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.007	-8.040	1.39887	-.05922	-.06648	.06168	.06492	.10865	.09275	.09689	-.06416	.03405
-3.999	-4.021	1.39996	.09056	.08423	-.05360	-.05055	.10340	.09038	.08782	-.05695	.03254
-3.996	.021	1.40000	.23950	.23433	-.16502	-.16236	.09945	.08947	.07964	-.05069	.03210
-3.998	4.013	1.39953	.36362	.35790	-.25245	-.24958	.09824	.08689	.07064	-.04443	.03145
	GRADIENT	-.00005	.03399	.03407	-.02475	-.02478	-.00064	-.00043	-.00214	.00156	-.00014

RUN NO. 1710/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.066	1.39984	-.07869	-.08495	.07672	.07973	.10778	.09487	-.00310	-.00137	-.00051
.001	-4.045	1.40074	.07496	.06826	-.04096	-.03756	.10431	.09114	-.00055	-.00042	.00051
-.000	-.045	1.40021	.22376	.21716	-.15090	-.14755	.10351	.09057	.00113	-.00141	.00114
-.001	3.945	1.39970	.34905	.34331	-.23999	-.23709	.09998	.08866	.00239	-.00213	.00165
	GRADIENT	-.00013	.03431	.03443	-.02491	-.02497	-.00054	-.00031	.00037	-.00021	-.00014

RUN NO. 1711/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-8.038	1.40026	-.04565	-.05377	.05056	.05442	.11407	.09719	-.11801	.07949	-.03945
4.002	-4.010	1.40042	.10377	.09717	-.06338	-.06026	.11150	.09767	-.10468	.06912	-.03631
3.997	.027	1.40036	.25193	.24603	-.17312	-.17024	.11216	.10015	-.09236	.06067	-.03385
4.005	4.040	1.39983	.36953	.36389	-.25566	-.25285	.10972	.09845	-.08068	.05309	-.03162
	GRADIENT	-.00007	.03302	.03314	-.02389	-.02393	-.00022	.00010	.00298	-.00199	.00058

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,3

(RCOOE3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1712/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.051	-8.139	1.55233	-.05744	-.06474	.06031	.06369	.11374	.09819	.09603	-.06449	.03327
-4.079	-4.160	1.54945	.06982	.06290	-.03910	-.03581	.10604	.09164	.08978	-.05953	.03093
-4.095	.024	1.54880	.21722	.21088	-.15092	-.14775	.10144	.08885	.08112	-.05300	.03095
-4.067	4.093	1.54889	.34157	.33489	-.23977	-.23641	.09927	.08604	.07099	-.04571	.03098
	GRADIENT	-.00007	.03294	.03297	-.02432	-.02432	-.00082	-.00068	-.00228	.00167	.00001

RUN NO. 1713/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.003	-7.967	1.54853	-.07502	-.08239	.07426	.07773	.11431	.09890	-.00321	.00167	-.00069
.001	-3.965	1.54918	.05282	.04523	-.02580	-.02204	.10806	.09284	-.00096	.00008	.00026
.000	.054	1.54804	.20171	.19390	-.13885	-.13494	.10438	.08886	.00124	-.00128	.00087
-.000	4.064	1.54872	.32900	.32211	-.22927	-.22584	.10165	.08787	.00179	-.00149	.00119
	GRADIENT	-.00006	.03440	.03448	-.02534	-.02538	-.00080	-.00062	.00034	-.00020	.00012

RUN NO. 1714/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
4.046	-8.128	1.54800	-.04914	-.05824	.05416	.05847	.12024	.10122	-.11598	.07879	-.03900
4.076	-4.091	1.54909	.08010	.07221	-.04705	-.04334	.10938	.09280	-.10015	.06669	-.03394
4.103	.032	1.55000	.22492	.21787	-.15665	-.15330	.10716	.09250	-.08914	.05928	-.03202
4.067	4.083	1.54814	.34596	.33881	-.24259	-.23913	.10714	.09250	-.08072	.05420	-.03147
	GRADIENT	-.00012	.03253	.03262	-.02393	-.02396	-.00027	-.00004	.00238	-.00153	.00030

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (RC00E4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 664/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA ALPHA MACH CN CNF CLM CLMF CA CAF CY CYN CBL
-.003 -7.895 .59862 -.02816 -.05222 .02466 .03669 .06407 .01620 -.00361 .00281 .00043
.000 -3.945 .59952 .08984 .06690 -.05691 -.04543 .06399 .01836 -.00173 .00149 .00085
-.000 .077 .60006 .21803 .19616 -.14521 -.13423 .05833 .01501 -.00080 .00092 .00135
-.001 4.059 .60048 .34591 .32494 -.23392 -.04778 .00633 .00024 .00040 .00040 .00193
GRADIENT .00012 .03199 .03224 -.02211 -.02223 -.00202 -.00150 .00025 -.00014 .00014

PARAMETRIC DATA

MACH = .600 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 665/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA ALPHA MACH CN CNF CLM CLMF CA CAF CY CYN CBL
-.003 -7.913 .80005 -.03649 -.06231 .03188 .04473 .07262 .02102 -.00527 .00381 .00048
-.001 -4.026 .79996 .08832 .06347 -.05548 -.04314 .07017 .02041 -.00318 .00253 .00088
-.000 .077 .79968 .23053 .20719 -.15407 -.14245 .06417 .01757 -.00209 .00186 .00128
.002 3.974 .79940 .37197 .34980 -.25358 -.24249 .05372 .00964 -.00066 .00093 .00216
GRADIENT -.00007 .03545 .03579 -.02476 -.02491 -.00205 -.00134 .00031 -.00020 .00016

PARAMETRIC DATA

MACH = .800 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (RC00E5) (13 APR 92)

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF

(RC00E6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 666/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.038	.90022	-.08117	-.10926	.07212	.08609	.08906	.03288	-.00534	.00356	.00031
.001	-4.530	.90015	.04153	.01497	-.01534	-.00215	.08474	.03151	-.00275	.00183	.00028
.001	-4.036	.89989	.05850	.03201	-.02737	-.01424	.08424	.03109	-.00212	.00139	.00038
.000	-.013	.89964	.21113	.18667	-.13621	-.12406	.07584	.02687	-.00081	.00047	.00136
.002	4.092	.89926	.36830	.34511	-.24753	-.23602	.06941	.02296	-.00072	.00080	.00252
	GRADIENT	-.00009	.03797	.03838	-.02699	-.02719	-.00182	-.00100	.00022	-.00012	.00026

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF

(RC00E7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 667/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.044	.94995	-.09733	-.12806	.09081	.10595	.10916	.04715	-.00496	.00299	.00098
-.001	-4.026	.94990	.04708	.01826	-.01343	.00070	.10316	.04477	-.00221	.00107	.00111
.000	-.018	.94966	.20069	.17349	-.12406	-.11071	.09487	.03980	.00067	-.00107	.00178
-.001	4.085	.94926	.36391	.33835	-.24147	-.22890	.08429	.03264	.00201	-.00187	.00288
	GRADIENT	-.00008	.03906	.03947	-.02812	-.02831	-.00233	-.00150	.00052	-.00036	.00022

PARAMETRIC DATA

MACH = .950 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF

(RC00E8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.050 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.023	1.04957	-.11554	-.15019	.11492	.13187	.12976	.05939	-.00306	.00152	.00148
.000	-4.045	1.05012	.04102	.00861	.00182	.01760	.12287	.05683	.00075	-.00124	.00211
-.001	-.021	1.05010	.20744	.17614	-.11715	-.10191	.11842	.05462	.00327	-.00304	.00250
-.002	4.085	1.04964	.36748	.33690	-.23217	-.21729	.11383	.05145	.00596	-.00510	.00337
	GRADIENT	-.00006	.04015	.04037	-.02878	-.02889	-.00111	-.00066	.00064	-.00048	.00016

RUN NO. 668/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF

(RC00E9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.039	1.09907	-.13674	-.17609	.13921	.15834	.14834	.06801	-.00451	.00264	.00082
-.002	-4.747	1.10058	-.00617	-.04359	.04456	.06269	.14332	.06671	-.00273	.00143	.00085
-.001	-3.999	1.10002	.02089	-.01619	.02526	.04322	.14207	.06508	-.00208	.00094	.00105
-.000	-.032	1.10020	.18685	.15101	-.09517	-.07794	.13726	.06340	.00124	-.00138	.00162
-.001	4.108	1.09942	.35237	.31743	-.21649	-.19976	.13355	.06124	.00367	-.00323	.00253
	GRADIENT	-.00010	.04072	.04100	-.02965	-.02981	-.00110	-.00062	.00073	-.00053	.00018

RUN NO. 670/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (RCOFO) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 671/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-8.055	1.14914	-.12418	-.15699	.12685	.14285	.14045	.07365	-.00495	.00331	.00083
.000	-4.050	1.15104	.04727	.01594	.00108	.01631	.13558	.07159	-.00193	.00123	.00131
-.001	-.026	1.15031	.21669	.18586	-.12258	-.10771	.13478	.07142	.00152	-.00143	.00225
-.001	3.966	1.14943	.36476	.33405	-.22985	-.21514	.13230	.06879	.00391	-.00314	.00278
	GRADIENT	-.00020	.03961	.03969	-.02881	-.02888	-.00041	-.00035	.00073	-.00054	.00018

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (RCOOF1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 672/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-8.071	1.24923	-.10707	-.13617	.11232	.12656	.14008	.08104	-.00323	.00184	.00098
.001	-5.152	1.25046	.01895	-.00980	.01740	.03139	.13882	.08020	-.00072	-.00009	.00170
.000	-4.080	1.24996	.06439	.03574	-.01620	-.00227	.13879	.08029	.00027	-.00087	.00185
-.001	-.039	1.24984	.23281	.20484	-.13983	-.12634	.13759	.08010	.00354	-.00359	.00276
-.002	3.968	1.25011	.37406	.34618	-.24062	-.22719	.13615	.07877	.00552	-.00480	.00332
	GRADIENT	.00002	.03848	.03858	-.02789	-.02795	-.00033	-.00019	.00065	-.00049	.00018

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (RCOOF2) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 675/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.002	-8.068	1.34990	-.09926	-.12786	.10406	.11803	.14384	.08570	-.00312	.00219	.00072
.001	-4.031	1.35005	.07185	.04366	-.02626	-.01257	.14123	.08362	-.00062	.00020	.00168
-.000	-.022	1.34994	.23551	.20833	-.14778	-.13464	.13957	.08379	.00251	-.00250	.00252
-.002	3.972	1.34983	.37372	.34624	-.24574	-.23248	.13903	.08255	.00444	-.00398	.00312
	GRADIENT	-.00003	.03772	.03781	-.02743	-.02748	-.00028	-.00013	.00063	-.00052	.00018

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (RCOOF3) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 676/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-8.078	1.39969	-.09848	-.12717	.10329	.11729	.14627	.08787	-.00159	.00061	.00126
-.002	-4.847	1.40043	.03189	.00333	.00305	.01693	.14427	.08595	.00080	-.00128	.00208
-.002	-4.052	1.40010	.06618	.03783	-.02322	-.00947	.14362	.08562	.00124	-.00163	.00222
-.001	-.031	1.39961	.23178	.20389	-.14699	-.13349	.14183	.08468	.00274	-.00278	.00298
.001	3.957	1.39983	.37033	.34302	-.24592	-.23274	.13933	.08322	.00460	-.00424	.00345
	GRADIENT	-.00006	.03859	.03873	-.02841	-.02848	-.00054	-.00030	.00042	-.00033	.00015

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (RCOOF4) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 678/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-7.964	1.54892	-.08843	-.11629	.09510	.10869	.15019	.09351	-.00226	.00135	.00102
.000	-3.947	1.54879	.04791	.02000	-.01147	.00206	.14450	.08737	.00045	-.00089	.00156
-.001	.069	1.54845	.20517	.17711	-.13164	-.11804	.14093	.08347	.00277	-.00282	.00249
-.001	4.058	1.54824	.34579	.31934	-.23377	-.22096	.13589	.08170	.00332	-.00317	.00292
	GRADIENT	-.00007	.03721	.03740	-.02777	-.02786	-.00108	-.00071	.00036	-.00028	.00017

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (RCOOF5) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 673/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.994	-8.067	1.29924	-.09497	-.12630	.10003	.11530	.15804	.09423	-.13429	.09278	-.04282
4.000	-4.008	1.30002	.07698	.04535	-.02733	-.01192	.16644	.10200	-.12703	.08772	-.04219
3.992	.005	1.30027	.24560	.21741	-.15261	-.13886	.16654	.10918	-.11642	.08055	-.04029
4.009	4.108	1.29989	.38345	.35534	-.24991	-.23621	.16380	.10654	-.10342	.07231	-.03747
	GRADIENT	-.00002	.03775	.03818	-.02741	-.02762	-.00033	.00055	.00291	-.00190	.00058

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF

(RCOOF6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 674/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.997	-7.978	1.34949	-.09365	-.12496	.09929	.11452	.16013	.09625	-.13335	.09243	-.04228
3.997	-4.097	1.34967	.06792	.03626	-.02214	-.00676	.16443	.09973	-.12279	.08453	-.04037
3.996	.011	1.35021	.23716	.20752	-.14805	-.13366	.16476	.10416	-.11162	.07704	-.03837
3.995	3.993	1.34994	.37221	.34387	-.24411	-.23031	.16109	.10334	-.09841	.06847	-.03541
	GRADIENT	.00003	.03763	.03804	-.02746	-.02765	-.00041	.00045	.00301	-.00198	.00061

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.2

(RCOOF7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 410/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

MACH = .600 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.000	-3.891	.60025	.08887	.07650	-.05921	-.05411	.04622	.01753	-.00167	.00149	.00096
.000	-3.888	.60012	.08851	.07605	-.05897	-.05379	.04622	.01748	-.00105	.00100	.00114
	GRADIENT	-.05357	-.14063	-.17411	.09375	.12277	.00000	-.02121	.24163	-.18935	.07003

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.2

(RCOOF8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 412/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

MACH = .800 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.000	-3.871	.79996	.09271	.08049	-.06292	-.05771	.04757	.01993	-.00275	.00239	.00093
-.001	-3.872	.79958	.09281	.08067	-.06309	-.05791	.04759	.02007	-.00312	.00266	.00080
	GRADIENT	.75000	-.21875	-.34375	.34375	.42188	-.03125	-.29688	.76367	-.55371	.26099

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(RC00F9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 413/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
.000	-3.981	.89963	.07857	-.05164	-.04639	.05273	.02629	-.00147	.00095	.00118
.000	-3.973	.89986	.07959	-.05232	-.04713	.05292	.02666	-.00170	.00113	.00109
	GRADIENT	.03049	.13288	-.08880	-.09642	.02464	.04827	-.03061	.02400	-.01066

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(RC00G0) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 414/ O RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
.000	-3.969	.94959	.06667	-.04107	-.03601	.06017	.03515	-.00191	.00127	.00072
.000	-3.969	.94982	.06663	-.04099	-.03589	.06051	.03533	-.00188	.00122	.00072
	GRADIENT	-.25000	.00000	-.01563	-.01563	-.07813	-.04688	-.00488	.01025	.00000

PARAMETRIC DATA

MACH = .950 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) DT(DOOR OFF)+RSRM + S1,2

(RC00G1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 415/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CLM	CLMF	CA	CAF	CY	CYN	CBL
.000	-3.979	1.04945	.05973	-.02414	-.01666	.08743	.05481	.00072	-.00089	.00184
.000	-3.975	1.04944	.06066	-.02478	-.01727	.08764	.05478	.00072	-.00088	.00187
	GRADIENT	.00000	.26331	-.18200	-.17477	.05787	-.00810	-.00031	.00416	.00939

PARAMETRIC DATA

MACH = 1.050 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(RC00G2) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 416/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-3.855	1.09980	.04302	.02331	-.00304	.00642	.10746	.06677	-.00105	-.00035	.00120
-.002	-3.864	1.09982	.04213	.02242	-.00242	.00703	.10747	.06674	-.00089	-.00049	.00126
	GRADIENT	-.00318	.10231	.10176	-.07192	-.07016	-.00100	.00358	-.01877	.01568	-.00679

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(RC00G3) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 417/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-3.937	1.15070	.07023	.05593	-.02164	.10100	.10100	.07135	-.00010	-.00011	.00193
-.002	-3.935	1.15021	.07105	.05674	-.02222	.10081	.10081	.07121	.00022	-.00036	.00196
	GRADIENT	-.20588	.27941	.27941	-.19761	-.06618	-.06618	-.04779	.10942	-.08463	.01051

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(RC00G4) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 421/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.000	-3.889	1.24953	.08726	.07415	-.04273	-.03635	.10896	.08220	.00049	-.00085	.00210
-.002	-3.892	1.24956	.08672	.07359	-.04223	-.03583	.10901	.08225	.00041	-.00080	.00210
	GRADIENT	-.03846	.20913	.21635	-.19351	-.20072	-.02163	-.02163	.02935	-.01773	-.00195

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(RC00G5) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 447/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.000	-3.873	1.24958	.08693	.07357	-.04244	-.03598	.10928	.08190	.00076	-.00113	.00222
-.002	-3.872	1.24971	.08700	.07369	-.04244	-.03601	.10938	.08207	.00080	-.00119	.00225
	GRADIENT	.00000	.04688	.08594	.00391	-.01563	.06250	.11719	.02582	-.04370	.02173

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(RC00G6) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 451/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-3.804	1.29989	.09390	.07986	-.04915	-.04232	.11301	.08436	-.00133	.00072	.00207
-.002	-3.809	1.29987	.09383	.07974	-.04903	-.04218	.11303	.08430	-.00123	.00066	.00210
	GRADIENT	.00000	.01662	.02527	-.02493	-.02959	-.00465	.01330	-.02178	.01296	-.00650

PARAMETRIC DATA

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(RC00G7) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 452/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-3.854	1.34943	.09012	.07607	-.04757	-.04075	.11506	.08635	-.00013	-.00015	.00225
-.002	-3.866	1.35009	.08884	.07485	-.04681	-.04003	.11490	.08627	-.00003	-.00027	.00230
	GRADIENT	-.05611	.10644	.10179	-.06296	-.05992	.01330	.00670	-.01358	.00952	-.00450

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.2 (RC00G8) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 454/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA ALPHA MACH CN CNF CLM CLMF CA CAF CY CYN CBL
-.002 -3.872 1.39966 .08429 .06965 -.04443 -.03730 .11771 .08788 .00162 -.00204 .00264
-.000 -3.873 1.40003 .08423 .06963 -.04440 -.03728 .11772 .08800 .00170 -.00208 .00267
GRADIENT -.50000 .09375 .03125 -.06250 -.01563 -.03125 -.018750 -.05859 .05859 -.04102

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.3 (RC00G9) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 458/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA ALPHA MACH CN CNF CLM CLMF CA CAF CY CYN CBL
-.001 -3.921 1.24969 .10230 .09721 -.06065 -.05799 .09403 .08429 .00119 -.00150 .00216
-.001 -3.913 1.24984 .10293 .09783 -.06099 -.05836 .09420 .08437 .00115 -.00147 .00213
GRADIENT .01852 .07755 .07755 -.04306 -.04549 .02060 .01019 -.00533 .00324 -.00365

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.3 (RC00HO) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 459/ O RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA ALPHA MACH CN CNF CLM CLMF CA CAF CY CYN CBL
-.000 -3.912 1.40077 .09608 .08852 -.05870 -.05484 .10503 .09029 .00239 -.00252 .00273
-.002 -3.911 1.40001 .09663 .08905 -.05920 -.05531 .10510 .09041 .00233 -.00249 .00272
GRADIENT -1.00000 1.06250 1.03125 -.92188 -.95313 .12500 .21875 -.11133 .06641 -.02344

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3

(RC00H1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 461/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.001	-3.855	1.54886	.07110	.06428	-.04153	-.03799	.10788	.09478	.00041	-.00061	.00113
-.001	-3.857	1.54841	.07130	.06438	-.04172	-.03814	.10784	.09452	.00011	-.00039	.00103
	GRADIENT	.50000	-.16667	-.08854	.16146	.11979	.02083	.21875	.25562	-.18453	.08285

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC00H2) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .900 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 763/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.998	-8.056	.89947	-.00722	-.02468	.00202	.01003	.06410	.02663	.09916	-.06391	.03228
-4.005	-3.934	.89996	.13529	.12159	-.09829	-.09215	.05696	.02706	.08887	-.05786	.03148
-3.996	.002	.89974	.28443	.27295	-.20282	-.19770	.04971	.02451	.07890	-.05187	.03166
-4.002	4.065	.90006	.43658	.42713	-.30977	-.30581	.04261	.02095	.07103	-.04647	.02898
	GRADIENT	.00001	.03767	.03820	-.02644	-.02671	-.00179	-.00077	-.00223	.00142	-.00031

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RC00H3) (29 JUL 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.050 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.997	-8.082	1.04732	-.05076	-.06966	.04903	.05780	.09519	.05507	.09666	-.05989	.03432
-4.011	-3.965	1.05168	.11655	.09935	-.07101	-.06303	.09120	.05466	.08361	-.05068	.03398
-4.012	.001	1.05008	.28327	.26854	-.19170	-.18487	.08465	.05334	.07196	-.04274	.03345
-3.998	4.079	1.04964	.44400	.43110	-.30800	-.30206	.07750	.04994	.06104	-.03572	.02971
	GRADIENT	-.00025	.04070	.04124	-.02946	-.02971	-.00170	-.00059	-.00280	.00186	-.00053

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-8.040	1.04831	-.09367	-.10991	.08247	.09015	.09295	.05898	-.00054	.00006	.00229
-.002	-4.045	1.05187	.05807	.04213	-.02543	-.01779	.09073	.05779	.00350	-.00298	.00306
-.002	-.020	1.05054	.22895	.21441	-.14861	-.14169	.08500	.05476	.00508	-.00402	.00360
.000	4.092	1.04898	.39784	.38643	-.27274	-.26722	.07503	.05162	.00670	-.00555	.00519
	GRADIENT	-.00036	.04176	.04231	-.03039	-.03065	-.00193	-.00076	.00039	-.00032	.00026

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
3.995	-8.050	1.04788	-.07535	-.09446	.06307	.07208	.09517	.05511	-.10157	.06246	-.03208
3.995	-4.076	1.05023	.09602	.07808	-.05874	-.05019	.10214	.06492	-.09813	.06139	-.03420
3.993	-.001	1.05064	.26498	.24913	-.17911	-.17155	.10523	.07230	-.08932	.05627	-.03289
4.007	4.067	1.04954	.41368	.40061	-.28690	-.28075	.08794	.06049	-.06470	.03864	-.02530
	GRADIENT	-.00008	.03901	.03961	-.02802	-.02831	-.00174	-.00054	.00411	-.00279	.00109

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(RC00H4) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 638/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.003	-8.061	1.09893	-.10222	-.12320	.09829	.10828	.11506	.07145	-.00551	.00311	.00065
-.002	-4.042	1.10135	.04882	.02994	-.00986	-.00076	.10933	.07051	-.00143	-.00000	.00128
-.000	-.027	1.10030	.21542	.19693	-.12930	-.12035	.10577	.06788	.00136	-.00200	.00173
.001	4.075	1.09954	.37192	.35491	-.24383	-.23547	.09937	.06495	.00358	-.00356	.00240
	GRADIENT	-.00022	.03980	.04003	-.02882	-.02891	-.00123	-.00069	.00062	-.00044	.00014

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(RC00H5) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 653/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
.001	-1.049	1.25067	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
.001	-1.049	1.25021	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000
-.002	-8.086	1.24981	-.06270	-.06834	.06100	.06369	.09936	.08765	-.00312	.00176	.00091
.001	-5.169	1.25019	.05821	.05319	-.02979	-.02725	.09710	.08720	.00030	-.00092	.00194
.001	-4.022	1.25007	.10778	.10288	-.06357	-.06357	.09680	.08737	.00127	-.00171	.00215
-.001	-.021	1.24971	.26903	.26404	-.18386	-.18121	.09693	.08756	.00395	-.00400	.00296
.001	3.964	1.24909	.40027	.39645	-.27636	-.27431	.09238	.08532	.00530	-.00499	.00361
	GRADIENT	-.00012	.03662	.03676	-.02633	-.02639	-.00055	-.00026	.00050	-.00041	.00018

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2 (RC00H6) (29 JUL 92)

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-8.076	1.29992	-.06024	-.06665	.05899	.06207	.10350	.09029	-.00465	.00321	.00049
.001	-4.032	1.29989	.10906	.10320	-.06809	-.06505	.10135	.09012	-.00097	.00030	.00172
-.000	-.020	1.30002	.26621	.26034	-.18333	-.18025	.10122	.09010	.00192	-.00215	.00242
-.001	3.968	1.30008	.39554	.39107	-.27446	-.27208	.09658	.08824	.00389	-.00366	.00319
	GRADIENT	.00002	.03581	.03598	-.02580	-.02588	-.00060	-.00023	.00061	-.00050	.00018

RUN NO. 655/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2 (RC00H7) (29 JUL 92)

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-.002	-8.088	1.35007	-.06516	-.07174	.06277	.06593	.10666	.09307	-.00285	.00197	.00062
.001	-4.048	1.35003	.10421	.09802	-.06554	-.06236	.10407	.09209	-.00010	-.00031	.00177
-.000	-.034	1.35004	.26068	.25463	-.18041	-.17724	.10363	.09214	.00228	-.00246	.00249
-.002	4.094	1.34950	.39666	.39164	-.27639	-.27376	.10011	.09052	.00474	-.00422	.00309
	GRADIENT	-.00006	.03590	.03605	-.02588	-.02595	-.00049	-.00019	.00059	-.00048	.00016

RUN NO. 656/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2 (RC00H8) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 657/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	GBL
-.002	-8.077	1.40016	-.06603	-.07306	.06440	.06779	.11106	.09658	-.00165	.00057	.00102
.001	-4.857	1.39972	.06263	.05558	-.03475	-.03119	.10758	.09366	.00089	-.00141	.00202
-.001	-4.057	1.39962	.09655	.08962	-.06044	-.05691	.10739	.09385	.00167	-.00205	.00227
-.001	-.030	1.40025	.25601	.24931	-.17840	-.17493	.10625	.09337	.00308	-.00310	.00310
-.002	3.967	1.39915	.38884	.38302	-.27219	-.26918	.10341	.09218	.00458	-.00424	.00332
	GRADIENT	-.00004	.03709	.03722	-.02701	-.02707	-.00046	-.00017	.00040	-.00030	.00015

PARAMETRIC DATA

MACH = 1.400 IEABDX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2 (RC00H9) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 658/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	GBL
.002	-7.984	1.54882	-.06507	-.07236	.06385	.06731	.11719	.10205	-.00316	.00200	.00041
-.000	-3.941	1.54973	.07287	.06561	-.04375	-.04009	.11100	.09663	-.00029	-.00041	.00095
.001	.066	1.54961	.22624	.21927	-.16033	-.15678	.10697	.09334	.00181	-.00219	.00209
.002	4.191	1.54788	.36674	.36084	-.26095	-.25793	.10335	.09188	.00205	-.00224	.00246
	GRADIENT	-.00023	.03613	.03630	-.02670	-.02678	-.00094	-.00058	.00029	-.00022	.00019

PARAMETRIC DATA

MACH = 1.550 IEABDX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2 (RCOAI0) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 6031/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.997	.600	-.00164	.10655	.09475	-.07462	-.06980	.04922	.02169	-.00082	.00067	.00114
-3.990	.600	.00033	.10661	.09442	-.07464	-.06962	.04932	.02107	-.00063	.00056	.00116
-4.008	.614	-.00157	.10755	.09655	-.07532	-.07082	.04943	.02380	-.00138	.00121	.00100
-4.035	.645	-.00162	.10998	.09964	-.07740	-.07323	.05027	.02594	-.00078	.00071	.00118
-4.068	.683	-.00152	.11019	.09953	-.07789	-.07353	.04965	.02479	-.00148	.00133	.00110
-3.936	.725	-.00144	.11434	.10357	-.08129	-.07686	.04979	.02482	-.00179	.00163	.00118
-3.968	.751	.00048	.11346	.10249	-.08098	-.07647	.04983	.02435	-.00208	.00208	.00105
-3.995	.785	-.00130	.11166	.10093	-.07971	-.07521	.05052	.02592	-.00258	.00219	.00111
-4.021	.806	.00059	.10921	.09806	-.07783	-.07314	.05096	.02547	-.00291	.00243	.00094
-4.028	.815	-.00132	.10814	.09690	-.07687	-.07211	.05126	.02567	-.00272	.00226	.00097
-4.038	.832	.00050	.10456	.09326	-.07418	-.06935	.05185	.02627	-.00207	.00168	.00099
-4.062	.863	-.00135	.09495	.08768	-.06688	-.06390	.05314	.03623	-.00112	.00069	.00125
-4.014	.947	-.00142	.08038	.07195	-.05307	-.04939	.06320	.04439	-.00159	.00111	.00080
-3.988	.916	-.00129	.09012	.07822	-.06172	-.05646	.05831	.03203	-.00179	.00137	.00066
-3.990	.919	-.00133	.08962	.07863	-.06129	-.05645	.05879	.03446	-.00152	.00121	.00070
-3.965	.902	.00042	.09222	.07849	-.06339	-.05725	.05674	.02674	-.00122	.00085	.00086
-3.989	.933	-.00134	.08649	.07418	-.05842	-.05290	.06078	.03392	-.00169	.00127	.00055
-4.000	.947	-.00129	.08031	.07050	-.05294	-.04861	.06321	.04149	-.00198	.00140	.00067
-4.005	.948	-.00134	.07884	.06862	-.05165	-.04712	.06402	.04151	-.00171	.00112	.00081
-3.956	.899	.00044	.09258	.08069	-.06375	-.05854	.05602	.02965	-.00125	.00084	.00093
-4.032	.970	-.00134	.06899	.05969	-.04270	-.03853	.06823	.04795	-.00148	.00104	.00078
-4.042	.979	-.00138	.06576	.05563	-.03956	-.03492	.06871	.04697	-.00126	.00081	.00088
-4.050	.987	.00025	.06540	.05662	-.03889	-.03492	.06846	.04943	-.00082	.00048	.00102
-4.080	1.002	.00027	.07255	.06462	-.04419	-.04059	.06738	.05022	-.00077	.00040	.00110
-4.091	1.019	-.00162	.07752	.06972	-.04674	-.04320	.07266	.05580	-.00026	.00053	.00118
-4.078	1.011	-.00155	.07856	.06831	-.04827	-.04356	.06979	.04786	-.00017	.00041	.00167
-4.106	1.042	-.00184	.06792	.05758	-.03405	-.02922	.08585	.06501	-.00120	.00131	.00231
-3.963	1.067	-.00037	.07284	.05173	-.03031	-.02019	.10553	.06193	-.00254	.00269	.00260
-3.995	1.088	-.00009	.05385	.03295	-.01309	-.00305	.11376	.07063	-.00079	.00119	.00220
-3.902	1.088	-.00126	.07100	.05997	-.04356	-.03849	.06828	.04463	-.00114	.00070	.00087
-3.977	1.076	-.00198	.06709	.04690	-.02451	-.01484	.10934	.06817	-.00192	.00214	.00241
-3.974	1.080	-.00199	.06317	.04427	-.02078	-.01174	.11209	.07298	-.00179	.00198	.00242
-3.984	1.097	-.00172	.04938	.02968	-.00962	-.00018	.11211	.07138	-.00100	.00100	.00230
-3.969	1.103	-.00177	.05079	.03833	-.01094	-.00455	.11047	.08281	-.00114	.00136	.00245
-3.902	1.147	-.00180	.08189	.06833	-.03828	-.03181	.10395	.07581	-.00163	.00152	.00260
-4.024	1.151	-.00192	.07867	.06495	-.03610	-.02955	.10450	.07603	-.00161	.00145	.00254
-4.017	1.154	-.00183	.07909	.06532	-.03660	-.03001	.10475	.07623	-.00134	.00133	.00254
-4.000	1.154	-.00177	.08002	.06666	-.03726	-.03088	.10485	.07717	-.00112	.00114	.00245
-4.044	1.112	-.00147	.05663	.03907	-.01682	-.00845	.10634	.06985	-.00011	.00087	.00178
-4.017	1.217	-.00182	.08658	.07674	-.04254	-.03780	.11135	.09110	-.00194	.00178	.00247
-4.020	1.248	-.00198	.09312	.07988	-.04890	-.04257	.11149	.08408	-.00333	.00309	.00296
-4.020	1.255	-.00187	.09454	.08122	-.05002	-.04363	.11175	.08423	-.00273	.00256	.00279
-4.012	1.256	-.00175	.09553	.08198	-.05065	-.04414	.11210	.08416	-.00227	.00222	.00263

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(RCDATO) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 6031/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.953	1.172	-.00188	.08465	.06521	-.04099	-.03166	.10597	.06584	.00188	-.00216	.00248
-4.012	1.280	-.00171	.09729	.08428	-.05328	-.04701	.11348	.08671	.00133	-.00116	.00265
-4.016	1.300	-.00185	.09734	.08379	-.05373	-.04720	.11509	.08719	.00176	-.00153	.00283
-4.004	1.299	-.00171	.09735	.08331	-.05364	-.04688	.11522	.08628	.00123	-.00111	.00267
-3.995	1.299	.00010	.09693	.08264	-.05315	-.04629	.11542	.08597	.00052	-.00056	.00241
-3.992	1.301	-.00154	.09699	.08289	-.05319	-.04641	.11560	.08655	.00038	-.00051	.00239
-3.993	1.310	-.00170	.09694	.08429	-.05328	-.04719	.11596	.08990	.00118	-.00118	.00259
GRADIENT		-.00144	-.03480	-.04143	.05949	.06406	.12136	.11287	.00626	-.00571	.00310

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(RCOBIO) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 6032/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.986	1.305	.00016	.09617	.08175	-.05257	-.04562	.11576	.08611	.00045	-.00064	.00231
-3.968	1.295	-.00158	.09762	.08305	-.05346	-.04645	.11554	.08556	.00009	-.00028	.00223
-3.978	1.295	.00006	.09693	.08255	-.05308	-.04616	.11527	.08563	.00076	-.00077	.00244
-3.976	1.299	.00012	.09714	.08267	-.05308	-.04612	.11574	.08589	.00056	-.00065	.00233
-3.988	1.300	-.00166	.09665	.08209	-.05290	-.04590	.11553	.08554	.00055	-.00064	.00234
-3.988	1.300	-.00168	.09690	.08231	-.05308	-.04607	.11558	.08551	.00065	-.00074	.00237
-3.998	1.299	.00015	.09668	.08207	-.05281	-.04577	.11578	.08568	.00048	-.00061	.00231
-4.010	1.300	-.00169	.09606	.08142	-.05235	-.04531	.11580	.08561	.00081	-.00084	.00240
-4.012	1.299	-.00162	.09554	.08087	-.05192	-.04486	.11584	.08563	.00050	-.00059	.00228
-4.026	1.302	.00011	.09541	.08087	-.05200	-.04500	.11570	.08577	.00059	-.00070	.00235
-4.020	1.300	-.00170	.09550	.08096	-.05206	-.04507	.11563	.08565	.00084	-.00084	.00243
-4.023	1.300	-.00162	.09540	.08087	-.05192	-.04493	.11564	.08571	.00046	-.00058	.00228
-4.024	1.300	-.00162	.09586	.08113	-.05224	-.04516	.11568	.08532	.00060	-.00070	.00234
-4.013	1.251	-.00167	.09211	.07135	-.04849	-.03852	.11062	.06778	.00203	-.00204	.00261
-4.026	1.299	-.00180	.09528	.08211	-.05186	-.04550	.11570	.08864	.00129	-.00119	.00247
-4.014	1.346	-.00005	.09505	.08108	-.05296	-.04624	.11707	.08828	.00184	-.00158	.00248
-4.017	1.354	-.00181	.09354	.07915	-.05206	-.04514	.11753	.08785	.00215	-.00186	.00248
-4.011	1.349	-.00001	.09459	.08026	-.05274	-.04586	.11749	.08792	.00182	-.00158	.00248
-4.011	1.344	.00007	.09395	.08087	-.05202	-.04572	.11723	.09028	.00129	-.00117	.00239
-4.069	1.377	-.00015	.08995	.07566	-.05001	-.04315	.11838	.08890	.00253	-.00255	.00278
-4.073	1.386	-.00018	.08879	.07444	-.04933	-.04244	.11873	.08911	.00281	-.00265	.00292
-4.082	1.393	-.00188	.08617	.07163	-.04751	-.04052	.11918	.08914	.00246	-.00239	.00273
-4.086	1.402	-.00014	.08431	.06970	-.04612	-.03912	.11956	.08938	.00296	-.00288	.00278
-4.083	1.382	-.00023	.08960	.07328	-.05038	-.04245	.11870	.08498	.00264	-.00250	.00281
-3.913	1.210	-.00160	.07373	.06429	-.03023	-.02577	.09821	.07845	.00147	-.00122	.00165
-4.015	1.146	.00031	.04297	.01552	.00001	.01316	.12449	.06768	-.00054	-.00004	.00122
-4.017	1.164	-.00176	.03034	.01027	.00715	.01673	.11805	.07644	.00027	-.00066	.00154
-4.072	1.186	-.00151	.02981	.02420	-.00482	-.00231	.07925	.06696	-.00097	-.00005	.00118
-4.107	1.422	-.00143	.07584	.05840	-.03858	-.03020	.12396	.08801	.00052	-.00140	.00180
-3.945	1.495	-.00163	.06941	.05425	-.03619	-.02888	.12044	.08930	.00291	-.00267	.00258
-3.944	1.523	-.00172	.06552	.05108	-.03306	-.02608	.12136	.09169	.00358	-.00301	.00248
-3.921	1.514	-.00013	.06705	.05072	-.03407	-.02619	.12089	.08732	.00379	-.00323	.00257
-3.900	1.499	.00039	.07007	.05449	-.03637	-.02885	.12005	.08801	.00151	-.00152	.00189
-3.901	1.497	.00080	.07017	.05460	-.03661	-.02913	.11965	.08757	-.00063	-.00005	.00119
-3.917	1.560	.00015	.06100	.04606	-.02783	-.02060	.12927	.09865	.00333	-.00292	.00225
-3.914	1.570	-.00152	.05918	.04355	-.00816	-.00816	.17144	.13932	.00313	-.00280	.00201
-3.901	1.548	.00028	.06226	.04636	-.00547	-.00547	.22140	.18872	.00266	-.00256	.00197
-3.890	1.540	-.00130	.06377	.04834	.00410	.01155	.26355	.23187	.00232	-.00229	.00180
-3.882	1.500	-.00089	.07070	.05618	.01252	.01950	.31554	.28564	-.00051	-.00026	.00108
-3.906	1.460	.00057	.07924	.06409	.01713	.02438	.35697	.32561	.00062	-.00163	.00165
		.00192	-.02471	-.02353	.04777	.04741	.24314	.24637	.00743	-.00637	.00015

GRADIENT

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (RCDAI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7981/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.986	.599	.00031	.10159	.08971	-.07122	-.06629	.04802	.02056	-.00027	.00054	.00142
-3.973	.599	-.00159	.10228	.09036	-.07169	-.06667	.04844	.02120	-.00028	.00052	.00138
-3.995	.625	-.00155	.10147	.09974	-.07143	-.07131	.04760	.04137	-.00052	.00071	.00133
-3.983	.622	.00037	.10356	.08617	-.07271	-.06515	.04801	.00915	-.00110	.00114	.00118
-4.010	.638	.00038	.10249	.09290	-.07216	-.06824	.04754	.02518	-.00089	.00101	.00123
-4.036	.665	-.00162	.10434	.09518	-.07369	-.06996	.04830	.02689	-.00030	.00063	.00145
-4.058	.687	.00042	.10360	.09397	-.07422	-.07069	.04817	.02562	-.00110	.00123	.00129
-4.024	.709	.00028	.10415	.09530	-.07454	-.07099	.04833	.02745	-.00056	.00094	.00158
-4.052	.730	-.00153	.10428	.09536	-.07487	-.07100	.04852	.02728	-.00107	.00132	.00148
-4.060	.748	.00040	.10462	.09519	-.07432	-.07100	.04884	.02661	-.00141	.00158	.00138
-4.086	.766	-.00150	.10347	.09413	-.07341	-.06953	.04896	.02755	-.00133	.00153	.00144
-4.106	.786	.00042	.10221	.09291	-.07394	-.06885	.04895	.02235	-.00161	.00166	.00133
-4.017	.800	.00050	.10300	.09118	-.07415	-.06930	.04919	.02370	-.00206	.00207	.00117
-4.008	.798	-.00141	.10365	.09183	-.07431	-.06922	.04877	.02218	-.00165	.00175	.00127
-4.022	.812	.00044	.10222	.09282	-.07320	-.06923	.04940	.02798	-.00190	.00197	.00115
-4.040	.832	-.00144	.10128	.09065	-.07245	-.06791	.04961	.02556	-.00167	.00171	.00120
-4.058	.860	.00047	.09917	.09027	-.07059	-.06684	.05011	.02977	-.00182	.00175	.00102
-4.117	.906	-.00035	.08028	.07553	-.05490	-.05309	.05542	.04383	-.00096	.00085	.00113
-3.975	.901	.00017	.08569	.07491	-.05856	-.05412	.05424	.03037	-.00035	.00041	.00134
-3.985	.901	.00035	.08543	.07420	-.05902	-.05408	.05415	.02928	-.00093	.00080	.00119
-3.985	.900	-.00147	.08557	.07458	-.05901	-.05416	.05411	.02982	-.00068	.00060	.00132
-3.972	.892	.00023	.08595	.07328	-.05950	-.05385	.05354	.02577	-.00042	.00036	.00142
-4.003	.921	.00025	.08231	.07592	-.05618	-.05352	.05649	.02176	-.00112	.00101	.00105
-3.999	.909	.00021	.08278	.07209	-.05643	-.05168	.05666	.03315	-.00128	.00068	.00095
-3.988	.940	.00027	.08461	.07140	-.05802	-.05211	.05531	.02646	-.00101	.00068	.00120
-4.017	.940	.00027	.07605	.06688	-.05054	-.04650	.05939	.03907	-.00122	.00101	.00094
-4.024	.940	.00023	.07512	.06525	-.04982	-.04542	.05924	.03758	-.00097	.00087	.00102
-4.016	.940	.00023	.07584	.06527	-.05028	-.04556	.05972	.03657	-.00079	.00075	.00105
-3.998	.928	-.00153	.08021	.06806	-.05425	-.04878	.05776	.03132	-.00076	.00072	.00111
-4.029	.950	.00029	.06889	.05856	-.04423	-.03962	.06127	.03865	-.00119	.00090	.00118
-4.036	.950	.00023	.06826	.05809	-.04393	-.03936	.06080	.03863	-.00097	.00075	.00123
-4.031	.950	-.00154	.06914	.05886	-.04445	-.03985	.06114	.03867	-.00078	.00057	.00131
-4.012	.942	.00021	.07500	.06317	-.04954	-.04421	.05979	.03403	-.00103	.00082	.00110
-4.046	.958	-.00154	.06383	.05439	-.03985	-.03563	.06219	.04159	-.00090	.00065	.00135
-4.053	.959	.00025	.06310	.05333	-.03934	-.03496	.06243	.04113	-.00103	.00073	.00134
-4.033	.952	.00012	.06742	.05578	-.04300	-.03774	.06169	.03646	-.00065	.00049	.00134
-4.075	.974	.00028	.05634	.04788	-.03326	-.02947	.06429	.04580	-.00098	.00073	.00114
-4.083	.979	.00017	.05639	.04800	-.03278	-.02899	.06430	.04580	-.00098	.00073	.00114
-4.085	.979	-.00153	.05338	.04665	-.03217	-.02817	.06423	.04546	-.00069	.00051	.00134
-4.053	.962	.00026	.06044	.04783	-.03701	-.03122	.06316	.03615	-.00086	.00066	.00137
-4.087	.993	.00009	.05847	.05223	-.03429	-.03154	.06375	.04993	-.00011	.00003	.00158

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RCOAI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABDX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7981/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.120	1.015	.00002	.06748	.06221	-.04042	-.03810	.06663	.05491	.00068	-.00072	.00193
-3.981	1.018	-.00016	.07324	.06500	-.04388	-.04012	.06886	.05109	.00118	-.00106	.00227
-3.980	1.016	-.00000	.07358	.06495	-.04436	-.04041	.06776	.04920	.00069	-.00070	.00207
-3.981	1.019	-.00009	.07328	.06498	-.04379	-.04000	.06928	.05146	.00096	-.00093	.00217
-3.978	1.024	-.00014	.07389	.06645	-.04307	-.03967	.07274	.05674	.00097	-.00094	.00233
-3.992	1.029	-.00186	.07157	.06040	-.04002	-.03476	.07647	.05304	.00144	-.00135	.00249
-4.007	1.049	-.00039	.06611	.05841	-.03093	-.02731	.08833	.07214	.00221	-.00211	.00268
	GRADIENT	.00060	-.11141	-.10812	.10131	.10118	.05848	.07070	.00291	-.00381	.00106

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(RCOBI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 7982/ 0 RN/L = 2.66

PARAMETRIC DATA

BETA = .000 IFABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

ALPHA	MACH	BETA	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.002	1.048	-0.0051	.06609	.04999	-.03108	-.02343	.08786	.05431	.00268	-.00242	.00284
-4.000	1.042	-0.0032	.06430	.05029	-.03113	-.02445	.08445	.05539	.00178	-.00169	.00265
-4.012	1.040	-0.0045	.06357	.05059	-.03084	-.02464	.08390	.05697	.00220	-.00203	.00296
-3.999	1.064	-0.0058	.06571	.05891	-.02609	-.02289	.10038	.08613	.00276	-.00268	.00286
-3.987	1.063	-0.0062	.06697	.04802	-.02712	-.01803	.09991	.06074	.00287	-.00273	.00293
-4.000	1.059	-0.0051	.06654	.04771	-.02817	-.01913	.09643	.05757	.00259	-.00246	.00286
-4.003	1.041	-0.0038	.06480	.04269	-.03166	-.02105	.08380	.03818	.00183	-.00166	.00269
-4.014	1.078	-0.00217	.05633	.03766	-.01563	-.00666	.10965	.07116	.00214	-.00213	.00260
-4.012	1.079	-0.0053	.05560	.03414	-.01490	-.00458	.11007	.06583	.00228	-.00223	.00269
-4.007	1.080	-0.00219	.05478	.03339	-.01432	-.00404	.11009	.06597	.00206	-.00204	.00259
-4.006	1.080	-0.0056	.05487	.03350	-.01436	-.00410	.11019	.06605	.00219	-.00217	.00268
-4.007	1.080	-0.0055	.05507	.03366	-.01447	-.00418	.11017	.06582	.00198	-.00203	.00261
-4.008	1.080	-0.0047	.05473	.03337	-.01431	-.00406	.11007	.06595	.00204	-.00208	.00258
-4.009	1.080	-0.0058	.05407	.03286	-.01361	-.00344	.11053	.06671	.00233	-.00225	.00267
-4.001	1.080	-0.0054	.05555	.03412	-.01480	-.00451	.11016	.06592	.00233	-.00219	.00263
-4.000	1.075	-0.0058	.05922	.03706	-.01878	-.00758	.10874	.06294	.00252	-.00246	.00269
-3.943	1.011	-0.0005	.07342	.06656	-.04487	-.04184	.06487	.04970	.00104	-.00096	.00197
-3.939	1.069	-0.00231	.06725	.05278	-.02578	-.01878	.10409	.07386	.00336	-.00315	.00302
-3.925	1.079	-0.00219	.05942	.03857	-.01750	-.00751	.11032	.06722	.00256	-.00246	.00273
-3.930	1.100	-0.00196	.04511	.02635	-.00595	-.00305	.10946	.07070	.00173	-.00170	.00253
-3.843	1.162	-0.0051	.08045	.06869	-.03677	-.03113	.10453	.08021	.00260	-.00227	.00288
-4.004	1.101	-0.0181	.04440	.02572	-.00644	-.00248	.10735	.06860	.00172	-.00209	.00242
-3.996	1.100	-0.0184	.04491	.02614	-.00662	-.00234	.10761	.06869	.00173	-.00207	.00241
-3.979	1.089	-0.0011	.04490	.02439	-.00667	-.00316	.11040	.06800	.00093	-.00124	.00231
-3.974	1.087	-0.0184	.04657	.02591	-.00803	-.00186	.11043	.06764	.00095	-.00124	.00229
-3.957	1.080	-0.0182	.05473	.03264	-.01423	-.00366	.11012	.06439	.00096	-.00136	.00224
-3.965	1.081	-0.0010	.04970	.02902	-.01041	-.00052	.11023	.06743	.00078	-.00096	.00224
-3.972	1.083	-0.0024	.04786	.02714	-.00935	-.00056	.10975	.06681	.00150	-.00157	.00248
-3.935	1.137	-0.0010	.07168	.05840	-.03018	-.02388	.10203	.07433	.00136	-.00142	.00222
-3.935	1.147	-0.0179	.07366	.06022	-.03280	-.02539	.10325	.07532	.00110	-.00110	.00235
-3.934	1.150	-0.0018	.07490	.06109	-.03276	-.02617	.10375	.07510	.00130	-.00120	.00253
-3.930	1.150	-0.0185	.07527	.06137	-.03300	-.02637	.10390	.07507	.00129	-.00119	.00256
-3.923	1.133	-0.0174	.07114	.05443	-.02958	-.02160	.10199	.06733	.00123	-.00136	.00212
-3.920	1.027	-0.0004	.07382	.04608	-.04182	-.02860	.07594	.01834	.00111	-.00135	.00227
-3.880	.986	-0.0028	.06237	.05183	-.03711	-.03235	.06380	.04092	.00131	-.00090	.00102
-4.083	1.006	-0.0032	.06288	.05792	-.03769	-.03563	.06304	.05161	.00086	-.00049	.00126
-4.065	1.092	-0.0177	.03665	.02377	-.00191	-.00474	.10591	.07724	.00065	-.00110	.00229
-4.008	1.151	-0.0185	.06927	.05704	-.02794	-.02213	.10430	.07882	.00164	-.00160	.00234
-4.016	1.185	-0.0020	.07927	.06784	-.03653	-.03107	.10706	.07882	.00164	-.00234	.00267
-4.012	1.198	-0.0022	.08101	.06832	-.03778	-.03169	.10948	.08327	.00192	-.00202	.00255
-4.051	1.246	-0.0185	.08347	.07043	-.04028	-.03403	.11216	.08516	.00215	-.00217	.00270
-4.042	1.250	-0.0014	.08497	.07157	-.04137	-.03495	.11234	.08467	.00236	-.00222	.00277

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (RCDC11) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7983/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

Table with columns: ALPHA, MACH, BETA, CN, CNF, CLM, CLMF, CA, CAF, CY, CYN, CBL. Rows contain numerical data for each parameter across various conditions.

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(RCDCI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

BETA = .000 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7983/ O RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-4.048	1.468	.00082	.06757	.05329	-.03307	-.02621	.12253	.09307	-.00164	.00057	.00106
-4.050	1.472	-.00085	.06656	.05216	-.03235	-.02543	.12224	.09252	-.00181	.00071	.00098
-4.022	1.478	.00076	.06580	.05141	-.03177	-.02486	.12188	.09218	-.00158	.00060	.00109
-3.885	1.484	.00068	.07078	.05665	-.03570	-.02890	.12119	.09207	-.00145	.00061	.00120
-3.872	1.528	-.00167	.06426	.05151	-.03098	-.02484	.12123	.09499	-.00289	-.00249	.00235
-3.872	1.542	-.00004	.06262	.04777	-.02996	-.02281	.12164	.09105	-.00284	-.00252	.00237
-3.863	1.550	-.00153	.06206	.04688	-.02964	-.02232	.12176	.09051	-.00250	-.00233	.00227
	GRADIENT	.00283	-.08656	-.08851	.05017	.05119	.04816	.04444	-.00381	.00125	-.00320

PARAMETRIC DATA

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(RCDCI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

BETA = .000 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7984/ O RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CN	CNF	CLM	CLMF	CA	CAF	CY	CYN	CBL
-3.858	1.549	.00002	.06254	.04695	-.02988	-.02237	.12186	.08979	.00254	-.00237	.00226
-3.866	1.549	-.00157	.06255	.04694	-.02992	-.02240	.12171	.08959	.00257	-.00241	.00227
-3.865	1.549	-.00002	.06204	.04634	-.02952	-.02195	.12181	.08949	.00251	-.00230	.00225
-3.870	1.549	.00003	.06170	.04601	-.02933	-.02177	.12180	.08949	.00253	-.00235	.00227
-3.868	1.549	-.00002	.06197	.04630	-.02951	-.02197	.12178	.08952	.00267	-.00246	.00230
-3.862	1.549	.00004	.06220	.04651	-.02967	-.02213	.12176	.08942	.00251	-.00234	.00225
-3.864	1.519	.00051	.06603	.05131	-.03263	-.02555	.12016	.08983	-.00055	.00008	.00132
-3.850	1.504	.00046	.06982	.05553	-.03533	-.02845	.11943	.08999	-.00095	.00032	.00127
-3.861	1.492	.00049	.06979	.05564	-.03542	-.02862	.11886	.08973	-.00123	.00044	.00130
-3.849	1.480	.00048	.07346	.05909	-.03810	-.03110	.11998	.09037	-.00055	-.00019	.00149
-3.887	1.464	.00040	.07529	.06045	-.03878	-.03166	.12121	.09054	-.00025	-.00068	.00162
	GRADIENT	-.01023	-.15430	-.17111	.11165	.11993	.02369	-.01017	.04615	-.03189	.01163

PARAMETRIC DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0001) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 324/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -4.134 -8.436 .59881 -153.43920 .01407 .00349 -.02720 -.00101 -.00946
 -4.203 -4.228 .60055 -135.63180 .00906 .00429 .01662 .00674 .00103
 -4.282 .140 .60085 -91.02914 .00510 .00253 .05875 .01438 .01113
 -4.204 4.116 .60051 -44.14271 .00276 .00557 .10687 .02320 .02177
 GRADIENT -.00001 10.96569 -.00075 -.00119 .01082 .00197 .00249

RUN NO. 325/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 .001 -8.382 .59998 -.00678 .02091 .00850 -.03091 -.00174 -.01139
 .000 -4.203 .60052 -.00688 .01771 .00717 .01704 .00676 .00072
 -.000 -.023 .60103 -.00690 .01578 .00354 .06617 .01551 .01324
 .003 4.150 .60069 .03259 .01440 .00629 .11658 .02481 .02523
 GRADIENT .00002 .00472 -.00040 -.00161 .01191 .00216 .00293

RUN NO. 326/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 4.132 -8.434 .60186 153.47390 .03308 .00904 -.02882 -.00175 -.01083
 4.204 -4.210 .59762 135.71680 .02931 .00586 .02661 .00814 .00290
 4.288 -.043 .59998 89.88269 .02593 .00031 .08026 .01782 .01636
 4.202 4.118 .59949 44.17507 .02230 -.01036 .13210 .02769 .02873
 GRADIENT .00022 -10.99253 -.00084 -.00195 .01267 .00235 .00310

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0002) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 331/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.137	-8.568	.79952	-152.95830	-.01205	-.00069	-.01805	-.00074	-.01086
-4.211	-4.281	.80045	-135.15440	-.01249	.00173	.02729	.00739	.00038
-4.285	-.053	.80038	-89.99645	-.01140	.00232	.07296	.01550	.01130
-4.220	4.164	.79966	-45.01728	-.00833	-.00282	.12586	.02512	.02310
	GRADIENT	-.00009	10.67343	.00049	-.00054	.01167	.00210	.00269

RUN NO. 332/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.482	.79989	-.00676	.00403	.00720	-.02580	-.00196	-.01252
.001	-4.208	.80047	-.00687	.00474	.00746	.02571	.00715	.00068
-.000	-.008	.79998	-.00689	.00566	.00538	.07851	.01642	.01399
.002	4.251	.79922	.03262	.00816	-.00180	.13597	.02697	.02765
	GRADIENT	-.00015	.00468	.00040	-.00110	.01304	.00234	.00319

RUN NO. 333/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.132	-8.562	.79954	153.03310	.02022	.00961	-.02139	-.00156	-.01122
4.206	-4.276	.80027	135.31880	.01955	.00834	.03822	.00892	.00357
4.285	-.054	.79991	90.31970	.01991	.00418	.09597	.01917	.01819
4.217	4.154	.79981	45.08975	.01991	-.00364	.15471	.02998	.03171
	GRADIENT	-.00005	-10.70397	.00004	-.00142	.01382	.00250	.00334

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0003) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 343/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.136	-8.632	.89961	-152.67740	-.01761	.00254	-.02633	-.00341	-.01021
-4.213	-4.308	.89996	-134.83590	-.01617	.00813	.02093	.00535	.00041
-4.286	-.011	.89993	-89.40068	-.02187	.00825	.07052	.01443	.01070
-4.214	4.225	.89982	-44.97787	-.02033	-.00071	.12556	.02417	.02210
	GRADIENT	-.00002	10.53014	-.00049	-.00103	.01226	.00221	.00254

RUN NO. 344/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.008	-8.636	.89966	-179.93360	.00996	.00135	-.03790	-.00518	-.01196
-.009	-4.865	.90029	-179.89390	.00966	.00486	.01283	.00401	-.00029
-.008	-4.237	.90026	-179.89380	.00837	.00487	.02128	.00543	.00168
-.012	.017	.89987	-.79848	.00267	.01098	.07916	.01602	.01451
-.010	4.294	.89957	-.12522	.00973	-.00107	.13697	.02582	.02723
	GRADIENT	-.00008	22.18040	-.00008	-.00046	.01356	.00239	.00300

RUN NO. 345/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.137	-8.628	.89994	152.75330	.02448	.00138	-.02856	-.00353	-.01123
4.207	-4.307	.90000	135.07990	.02548	.00796	.03579	.00784	.00415
4.286	-.006	.90021	89.72379	.02628	.01216	.10349	.01981	.01929
4.221	4.226	.89975	45.12927	.02656	-.00772	.15977	.02905	.03121
	GRADIENT	-.00003	-10.54105	.00013	-.00183	.01453	.00249	.00317

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0004) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 349/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -4.143 -8.651 .94924 -152.51790 -.02785 -.00707 -.03059 -.00401 -.01021
 -4.210 -4.332 .95005 -134.83570 -.02047 -.00726 .01987 .00524 .00036
 -4.286 .021 .95040 -89.16237 -.02315 -.00881 .06768 .01409 .01028
 -4.213 4.242 .94976 -45.01775 -.02625 -.01955 .12471 .02463 .02041
 GRADIENT -.00003 10.47525 -.00067 -.00143 .01222 .00226 .00234

RUN NO. 350/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 .002 -8.657 .94998 -.00675 .00040 .00039 -.01128 -.00547 -.01255
 -.001 -4.242 .95019 .03267 .00338 .00040 .01745 .00523 .00060
 .000 .033 .94962 .03269 -.00383 -.00040 .07739 .01601 .01354
 .002 4.280 .94950 .03263 -.00460 -.02119 .13935 .02647 .02572
 GRADIENT -.00008 -.00000 .00094 -.00244 .01430 .00249 .00295

RUN NO. 351/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 4.136 -8.657 .94971 152.63290 .01557 -.00014 -.03028 -.00376 -.01123
 4.206 -4.333 .95029 135.00020 .01622 .00312 .03513 .00750 .00390
 4.285 .035 .95044 89.36623 .01083 .00071 .10524 .02029 .01869
 4.216 4.230 .94942 45.16945 .01086 -.02521 .16221 .02941 .02988
 GRADIENT -.00010 -10.48995 -.00063 -.00329 .01485 .00251 .00304

IA613A(AEDC 16TF-829) DT(DOOR OFF)+RSRM,PLU. OFF (SC0005) (13 APR 92)

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

REFERENCE DATA		PARAMETRIC DATA											
		RUN NO. 355/ 0				RN/L = 2.50				GRADIENT INTERVAL = -5.00/ 5.00			
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW	MACH	IB-ELV	IEABOX	OB-ELV	SCALE
-4.145	-8.648	1.04999	-151.95700	-.01453	.00447	-.04802	-.00675	-.01054	1.050	10.000	.000	9.000	
-4.211	-4.367	1.05078	-134.59680	-.02529	.00444	.00471	.00290	.00028					
-4.295	-.016	1.05032	-90.19505	-.02426	.00118	.05952	.01273	.01140					
-4.217	4.313	1.04987	-45.17670	-.02994	-.01102	.12081	.02397	.02199					
	GRADIENT	-.00010	10.30132	-.00054	-.00178	.01338	.00243	.00250					

REFERENCE DATA		PARAMETRIC DATA											
		RUN NO. 356/ 0				RN/L = 2.50				GRADIENT INTERVAL = -5.00/ 5.00			
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW	MACH	IB-ELV	IEABOX	OB-ELV	SCALE
-0.003	-8.728	1.04902	.03254	.01674	.00790	-.04731	-.00648	-.01147	1.050	10.000	.000	9.000	
.000	-4.237	1.05178	-.00690	.00572	.00926	.01767	.00543	.00261					
-.001	.069	1.05131	-.00688	-.00185	.00396	.08692	.01800	.01623					
-.002	4.324	1.04910	-.00678	-.00000	-.01639	.14636	.02810	.02702					
	GRADIENT	-.00031	.00001	-.00067	-.00299	.01503	.00265	.00285					

REFERENCE DATA		PARAMETRIC DATA											
		RUN NO. 360/ 0				RN/L = 2.50				GRADIENT INTERVAL = -5.00/ 5.00			
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW	MACH	IB-ELV	IEABOX	OB-ELV	SCALE
4.144	-8.611	1.05004	151.95310	.02673	.00892	-.02702	-.00389	-.01014	1.050	10.000	.000	9.000	
4.210	-4.353	1.05024	134.72180	.01104	.01025	.04856	.00983	.00572					
4.299	-.008	1.05049	90.63754	-.00237	-.01120	.12711	.02397	.01906					
4.217	4.305	1.04960	45.36838	.01226	-.03477	.18210	.03274	.03054					
	GRADIENT	-.00007	-10.32002	.00014	-.00520	.01543	.00265	.00287					

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0006) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 364/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.146	-8.643	1.09811	-151.91710	.01767	.00716	-.05438	-.00753	-.00924
-4.215	-4.361	1.10059	-134.51740	-.00045	.00799	-.00168	.00210	.00107
-4.297	-.010	1.10015	-90.27449	-.01038	.00502	.05408	.01211	.01179
-4.219	4.327	1.09973	-45.17658	-.02606	-.01325	.11484	.02330	.02138
	GRADIENT	-.00010	10.28318	-.00295	-.00244	.01341	.00244	.00234

RUN NO. 365/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.731	1.09923	-.00676	.04957	.00902	-.05126	-.00689	-.01035
.001	-5.127	1.10084	-.00687	.03428	.01003	.00038	.00259	.00051
-.001	-4.239	1.10017	.03266	.03170	.00949	.01289	.00482	.00345
.000	.078	1.09990	.03269	.02287	.00335	.08137	.01728	.01653
-.001	4.339	1.09938	-.00682	.00137	-.02313	.14293	.02795	.02628
	GRADIENT	-.00009	-.00459	-.00353	-.00380	.01516	.00270	.00266

RUN NO. 366/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.145	-8.635	1.09734	151.91320	.06239	.00871	-.03388	-.00441	-.00979
4.212	-4.368	1.10096	134.60250	.04293	.01066	.04125	.00907	.00559
4.296	-.008	1.10063	90.35944	.02127	-.01140	.11941	.02298	.01852
4.218	4.320	1.10001	45.24887	.00228	-.03970	.17821	.03292	.02884
	GRADIENT	-.00011	-10.28460	-.00468	-.00580	.01577	.00275	.00268

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0007) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO.	370/ O	RN/L = 2.50	GRADIENT INTERVAL = -5.00/	5.00				
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.147	-8.717	1.14834	-151.95740	.01607	.00623	-.05076	-.00732	-.00868
-4.216	-4.375	1.15065	-134.59710	.00493	.01059	.00598	.00295	.00257
-4.297	-.003	1.15076	-90.39365	-.00511	.00544	.06553	.01403	.01283
-4.217	4.335	1.14987	-45.25632	-.02069	-.01951	.12073	.02401	.02176
GRADIENT		-.00009	10.25773	-.00294	-.00345	.01318	.00242	.00220

RUN NO.	371/ O	RN/L = 2.50	GRADIENT INTERVAL = -5.00/	5.00				
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.765	1.14906	-.00677	.04962	.00638	-.04839	-.00683	-.00991
.000	-4.385	1.15124	-.00689	.03695	.01241	.02036	.00581	.00367
-.000	.097	1.15091	.03269	.02963	-.00742	.09270	.01907	.01601
.002	4.325	1.14973	.03266	.00942	-.03573	.14971	.02885	.02552
GRADIENT		-.00017	.00458	-.00315	-.00552	.01486	.00265	.00251

RUN NO.	372/ O	RN/L = 2.50	GRADIENT INTERVAL = -5.00/	5.00				
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.146	-8.713	1.14830	151.95340	.05545	.00861	-.03069	-.00432	-.00959
4.209	-4.378	1.14987	134.68190	.04823	.00354	.05411	.01136	.00470
4.295	-.002	1.15067	90.59782	.02976	-.02687	.12715	.02413	.01713
4.216	4.326	1.14956	45.32865	.00803	-.05426	.18507	.03377	.02750
GRADIENT		-.00003	-10.26499	-.00462	-.00664	.01505	.00258	.00262

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0008) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 376/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.144	-8.820	1.24942	-151.99700	.03296	.00526	-.04769	-.00724	-.00707
-4.216	-4.383	1.25061	-134.43780	.01971	.00954	.01476	.00466	.00276
-4.297	-.009	1.25019	-90.39365	.00753	-.00940	.07176	.01519	.01211
-4.218	4.354	1.24965	-45.25626	-.00515	-.03462	.12596	.02456	.02099
	GRADIENT	-.00011	10.20713	-.00285	-.00505	.01273	.00228	.00209

RUN NO. 377/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.801	1.24937	-.00678	.05663	.00904	-.04083	-.00601	-.00890
.000	-4.245	1.25003	-.00689	.04437	-.00563	.03504	.00844	.00273
-.001	.067	1.24985	-.00688	.03726	-.02984	.10212	.02026	.01435
.001	4.349	1.24987	.03269	.02073	-.05437	.15428	.02907	.02409
	GRADIENT	-.00002	.00460	-.00275	-.00567	.01388	.00240	.00249

RUN NO. 378/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.144	-8.803	1.24928	151.99310	.06594	.00225	-.02240	-.00301	-.01159
4.212	-4.396	1.24990	134.60250	.05210	-.02450	.05879	.01175	.00019
4.295	-.001	1.25029	90.67727	.03666	-.05062	.13288	.02436	.01327
4.219	4.335	1.24948	45.40807	.01624	-.06573	.18414	.03285	.02413
	GRADIENT	-.00005	-10.21491	-.00410	-.00473	.01436	.00242	.00274

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 503/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.913	-7.715	1.24903	-150.40610	.03733	.02458	-.02983	-.00610	-.00364
-3.881	-3.931	1.25006	-133.97690	.02902	.02688	.02412	.00435	.00491
-3.820	-.020	1.24974	-90.23463	.02160	.00818	.07477	.01387	.01341
-3.869	3.842	1.24934	-45.75786	.01149	-.01739	-.12465	.02258	.02179
	GRADIENT	-.00009	11.34889	-.00225	-.00569	.01293	.00235	.00217

RUN NO. 504/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.821	1.24909	.03261	.06058	.02805	-.02124	-.00442	-.00488
.001	-4.978	1.24861	-.00687	.05311	.01893	.02483	.00446	.00232
-.001	-3.951	1.24879	.03266	.05075	.01445	.04173	.00758	.00508
-.000	-.068	1.25080	.03269	.04539	-.01025	.10161	.01825	.01541
.001	3.834	1.25052	.03269	.03142	-.03495	.15014	.02658	.02444
	GRADIENT	.00025	.00301	-.00236	-.00619	.01427	.00252	.00252

RUN NO. 505/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.901	-7.721	1.24976	150.56180	.06930	.01540	-.00177	-.00125	-.00745
3.883	-3.937	1.24963	134.06240	.05872	-.00718	.06559	.01104	.00318
3.818	-.025	1.25046	90.79598	.04701	-.02976	.12920	.02207	.01475
3.870	3.837	1.24995	45.90972	.02787	-.05171	.17744	.03033	.02409
	GRADIENT	.00004	-11.33842	-.00397	-.00573	.01439	.00248	.00269

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0010) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 507/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.913	-7.703	1.29975	-150.28610	.04398	.03110	-.02400	-.00528	-.00316
-3.882	-3.926	1.29986	-133.73820	.03510	.01614	.02860	.00504	.00476
-3.821	-.017	1.30022	-90.07586	.02691	-.00228	.07983	.01466	.01287
-3.864	3.844	1.29970	-45.71845	.01575	-.02544	.12516	.02249	.02112
	GRADIENT	-.00002	11.32871	-.00249	-.00535	.01243	.00225	.00211

RUN NO. 508/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-7.777	1.29996	-.00678	.05982	.02156	-.01489	-.00328	-.00537
-.001	-3.958	1.30001	.03266	.05063	.00151	.04561	.00807	.00393
-.000	-.054	1.29984	.03269	.04132	-.02005	.10487	.01857	.01390
.001	3.823	1.29994	.03268	.03006	-.04249	.15213	.02658	.02313
	GRADIENT	-.00001	.00000	-.00264	-.00565	.01369	.00238	.00247

RUN NO. 509/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.901	-7.723	1.30122	150.48190	.06765	.00611	-.00085	-.00150	-.00834
3.879	-3.924	1.30046	133.90300	.05630	-.01689	.06349	.01046	.00120
3.825	-.025	1.30031	90.71658	.03969	-.03834	.12837	.02175	.01232
3.868	3.832	1.29895	45.98938	.01736	-.05721	.17704	.02995	.02205
	GRADIENT	-.00020	-11.33321	-.00502	-.00520	.01464	.00251	.00269

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0011) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 511/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -3.916 -7.720 1.34919 -150.24650 .04792 .02664 -.01982 -.00459 -.00362
 -3.883 -3.931 1.34999 -133.57910 .03696 .00575 .03140 .00541 .00338
 -3.824 -0.013 1.34978 -89.83767 .02918 -.01129 .08125 .01471 .01195
 -3.867 3.834 1.34966 -45.79774 .01245 -.03008 .12582 .02244 .02049
 GRADIENT -.00004 11.30494 -.00315 -.00461 .01216 .00219 .00220

RUN NO. 512/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -.002 -7.817 1.34959 .03263 .06014 .01542 -.01243 -.00301 -.00632
 -.001 -3.960 1.35002 .03267 .05027 -.00716 .04773 .00819 .00281
 -.000 -.058 1.35006 .03269 .03576 -.02522 .10615 .01847 .01260
 .001 3.828 1.34967 .03270 .02387 -.04631 .15310 .02632 .02195
 GRADIENT -.00005 .00000 -.00339 -.00503 .01353 .00233 .00246

RUN NO. 513/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 3.904 -7.709 1.35014 150.36240 .06567 -.00402 .00106 -.00140 -.00881
 3.887 -3.935 1.34908 133.82390 .05076 -.02628 .06323 .01009 -.00028
 3.818 -.024 1.34934 90.59746 .02946 -.04138 .12494 .02099 .01005
 3.872 3.842 1.35015 45.94937 .00417 -.05855 .17357 .02911 .02003
 GRADIENT .00014 -11.29916 -.00599 -.00415 .01419 .00245 .00261

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (SC0012) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 514/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -3.909 -7.716 1.40024 -150.16570 .04865 .02022 -.01866 -.00428 -.00404
 -3.886 -3.925 1.39863 -133.34050 .03712 -.00019 .03237 .00545 .00310
 -3.822 -.012 1.40075 -89.59950 .02578 -.01633 .08280 .01486 .01132
 -3.870 3.843 1.39988 -45.79757 .01396 -.03403 .12513 .02211 .01965
 GRADIENT .00016 11.27018 -.00298 -.00436 .00215 .00213

RUN NO. 515/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 .001 -7.797 1.39983 -.00679 .05729 .00617 -.00946 -.00280 -.00676
 -.002 -4.688 1.39965 .03265 .04644 -.01393 .03682 .00587 -.00046
 -.001 -3.963 1.39941 .03266 .04345 -.01757 .04846 .00800 .00123
 -.000 -.054 1.40036 .03269 .02652 -.03350 .10643 .01823 .01074
 .001 3.826 1.39975 .03270 .01277 -.05016 .15252 .02590 .02019
 GRADIENT .00004 .00001 -.00399 -.00422 .01365 .00236

RUN NO. 516/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 3.906 -7.707 1.39963 150.28260 .06172 -.01108 .00211 -.00148 -.00913
 3.880 -3.936 1.39988 133.74390 .04232 -.03263 .05866 .00894 -.00204
 3.821 -.023 1.40029 90.43864 .01735 -.04517 .12267 .02031 .00778
 3.869 3.834 1.39983 45.98930 -.00840 -.05950 .17171 .02849 .01816
 GRADIENT -.00001 -11.29432 -.00653 -.00346 .00252 .00260

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RRM.PLU. OFF (SC0013) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 557/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -3.913 -7.703 1.39946 -150.04620 .0513 .07380 -.03319 -.00765 -.00301
 -3.882 -3.908 1.40035 -133.10150 .04216 .05622 .01869 .00232 .00419
 -3.817 -.007 1.40030 -89.16286 .02868 .04035 .07002 .01196 .01234
 -3.869 3.851 1.39984 -45.55902 .01853 .01870 .11296 .01947 .02052
 GRADIENT -.00007 11.28141 -.00305 -.00483 .01215 .00221 .00210

RUN NO. 558/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -.002 -7.753 1.39969 .03262 .06239 .06305 -.02289 -.00588 -.00557
 -.001 -3.911 1.40009 .03266 .04596 .04062 .03604 .00509 .00253
 -.000 -.043 1.39974 .03269 .02987 .02400 .09348 .01527 .01188
 .001 3.865 1.39953 .03270 .01541 .00493 .14043 .02320 .02119
 GRADIENT -.00007 .00001 -.00393 -.00459 .01342 .00233 .00240

RUN NO. 559/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 3.900 -7.714 1.39914 150.24200 .06632 .04756 -.01215 -.00471 -.00792
 3.876 -3.901 1.39954 133.38570 .04552 .02515 .04647 .00600 .00052
 3.821 -.014 1.40018 89.84305 .02066 .01419 .11030 .01733 .00924
 3.869 3.840 1.40017 45.75069 -.00518 .00126 .15940 .02564 .01938
 GRADIENT .00008 -11.32097 -.00655 -.00341 .01459 .00254 .00257

IA613A(AEDC 16TF-829) OT(DDDR OFF)+RSRM,PLU. OFF (SC0014) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 561/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.961	-7.775	1.54947	-149.89200	.05447	.04893	-.02042	-.00587	-.00351
-3.947	-3.960	1.54962	-132.74760	.03598	.03212	.02583	.00289	.00263
-3.921	.003	1.54965	-88.44815	.02056	.01984	.07362	.01196	.01018
-3.943	3.931	1.54905	-45.47456	.00270	.00499	.11251	.01875	.01800
	GRADIENT	-.00007	11.05914	-.00422	-.00344	.01099	.00201	.00195

RUN NO. 562/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.660	1.54886	.03261	.04882	.03769	-.01290	-.00467	-.00586
.000	-3.811	1.54793	-.00689	.02734	.02034	.03521	.00414	.00012
-.000	.031	1.54912	.03269	.00616	.00908	.08986	.01388	.00784
.002	3.925	1.54810	.03265	-.00969	-.00208	.13761	.02202	.01765
	GRADIENT	.00002	.00510	-.00478	-.00290	.01323	.00231	.00227

RUN NO. 563/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.953	-7.796	1.54881	150.08850	.04282	.02862	-.00335	-.00387	-.00778
3.942	-3.967	1.54945	133.03190	.01904	.01252	.04090	.00407	-.00263
3.917	.004	1.54938	89.16797	-.00766	.00297	.10047	.01484	.00493
3.942	3.914	1.54890	45.70601	-.03263	-.00753	.15196	.02384	.01455
	GRADIENT	-.00007	-11.08072	-.00656	-.00254	.01409	.00251	.00218

IA613A(AEDC 16TF-829) B/L QT + RSRM+PLUMES S1.2 (SC0015) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 619/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.007	-8.085	.59904	-153.34090	.00426	-.00067	.00322	.00125	-.00585
-3.996	-4.010	.60031	-135.85550	.00169	.00073	.04188	.00822	.00392
-3.995	.005	.60000	-89.00385	-.00148	-.00133	.08066	.01545	.01363
-3.992	3.979	.59905	-43.44221	-.00334	-.00839	.12305	.02338	.02337
	GRADIENT	-.00016	11.56875	-.00063	-.00114	.01016	.00190	.00243

RUN NO. 620/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-7.912	.59937	.03257	.01225	.00394	-.00468	.00030	-.00782
.001	-3.935	.59953	-.00687	.01014	.00339	.03938	.00800	.00352
.000	.075	.60063	.03268	.00904	-.00022	.08482	.01609	.01503
.002	4.052	.60012	.03260	.00703	-.00896	.13134	.02478	.02627
	GRADIENT	.00007	.00495	-.00039	-.00155	.01151	.00210	.00285

RUN NO. 621/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-8.088	.59974	153.41500	.02462	.00396	-.00338	-.00005	-.00797
3.994	-4.003	.60071	135.98000	.02255	.00178	.04773	.00903	.00490
3.989	-.046	.60050	90.04158	.02043	-.00267	.09639	.01790	.01736
3.995	4.001	.59978	43.39440	.01696	-.01193	.14461	.02718	.02893
	GRADIENT	-.00012	-11.56827	-.00070	-.00172	.01211	.00227	.00300

2-8

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2

(SC0016) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 623/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	-8.106	.79833	-152.65900	-0.1290	-0.0135	.00923	.00169	-0.00702
-3.996	-4.028	.80027	-135.25830	-0.1240	.00101	.04921	.00890	.00325
-3.981	-.041	.80005	-90.03616	-0.1095	.00040	.09013	.01634	.01321
-4.003	3.956	.80040	-44.75434	-0.0880	-0.0554	.13512	.02468	.02385
	GRADIENT	.00002	11.33543	.00045	-0.0082	.01076	.00198	.00258

RUN NO. 624/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.039	.79986	-.00675	-0.0017	.00344	-0.00153	-0.00006	-0.00905
-.001	-3.920	.80022	.03267	.00008	.00442	.04539	.00836	.00319
-.000	-.015	.79970	-.00690	.00144	.00216	.09200	.01662	.01515
-.001	4.103	.79986	-.00686	.00257	-0.0573	.14465	.02636	.02782
	GRADIENT	-.00004	-.00488	.00031	-0.00127	.01238	.00225	.00307

RUN NO. 625/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.994	-7.982	.80000	152.41330	.01634	.00415	.00418	.00065	-0.00770
3.997	-4.045	.80066	135.50260	.01668	.00353	.05339	.00977	.00538
3.986	-.044	.79985	90.31958	.01558	-0.0129	.10775	.01920	.01855
4.008	3.934	.79954	44.94551	.01546	-0.0088	.16073	.02914	.03112
	GRADIENT	-.00014	-11.34946	-.00015	-0.00155	.01320	.00243	.00323

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(SC0017) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 626/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-7.982	.89983	-151.89770	-.01746	-.00501	-.00412	.00029	-.00714
-3.998	-4.056	.90030	-135.01960	-.01659	-.00197	.04513	.00788	.00238
-3.987	.020	.90002	-89.04357	-.01946	.00027	.08985	.01612	.01241
-3.998	3.995	.89986	-44.71494	-.01588	-.00624	.13814	.02482	.02282
GRADIENT		-.00005	11.21768	.00009	-.00053	.01155	.00210	.00254

RUN NO. 627/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.028	.89980	.03259	-.00408	-.00240	-.00757	-.00157	-.00962
.001	-4.401	.90058	-.00687	-.00242	-.00001	.03575	.00628	.00117
-.001	-3.941	.90024	.03267	-.00231	.00024	.04161	.00730	.00261
.000	.100	.89994	-.03269	-.00119	.00481	.09612	.01712	.01542
.002	4.082	.89946	.03262	-.00029	-.00559	.14339	.02508	.02726
GRADIENT		-.00012	.00281	.00025	-.00050	.01287	.00224	.00308

RUN NO. 628/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-7.983	.89940	151.97330	.01094	-.00296	-.00026	-.00048	-.00852
3.992	-4.041	.90000	135.10430	.01426	.00056	.05410	.00918	.00523
3.981	.010	.90038	89.36648	.01460	.00289	.11411	.02003	.01913
3.995	4.001	.89987	44.74747	.01150	-.01148	.16131	.02753	.03043
GRADIENT		-.00002	-11.23547	-.00034	-.00149	.01334	.00228	.00313

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2

(SC0018) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 630/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.999	-7.976	.94734	-151.65730	-.01689	.00198	.00144	-.00084	-.00608
-3.999	-4.030	.95073	-134.58180	-.01654	.00682	.04190	.00683	.00309
-3.997	.005	.95104	-89.28178	-.02038	.00664	.08497	.01496	.01213
-3.996	3.991	.94973	-44.79464	-.01853	-.00590	.13143	.02308	.02187
	GRADIENT	-.00012	11.19459	-.00025	-.00158	.01116	.00203	.00234

RUN NO. 631/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.040	.94910	-.00577	-.00227	.00261	-.01356	-.00307	-.00908
-.001	-4.029	.95110	.03266	.00079	.00620	.03701	.00630	.00261
-.000	.090	.95065	-.00589	.00409	.00750	.09113	.01587	.01505
-.001	3.974	.94955	-.00686	.00031	-.00742	.14315	.02444	.02629
	GRADIENT	-.00019	-.00499	-.00005	-.00168	.01326	.00227	.00296

RUN NO. 632/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-7.984	.94934	151.73310	.01802	.00087	-.00523	-.00162	-.00806
3.997	-4.028	.95039	134.66680	.01941	.00674	.05245	.00885	.00556
3.985	.059	.95206	88.81049	.02398	.00457	.11326	.01948	.01922
3.998	4.002	.94916	44.78707	.01925	-.01601	.16240	.02734	.02960
	GRADIENT	-.00015	-11.19262	-.00001	-.00282	.01370	.00230	.00300

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(SC0019) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 633/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.997	-7.971	1.04929	-151.13660	-.04307	-.00814	-.01232	-.00288	-.00854
-4.002	-4.073	1.05081	-134.46260	-.03788	-.00573	.03348	.00568	.00148
-3.996	.012	1.05059	-89.83764	-.02845	-.00663	.08234	.01472	.01205
-3.995	4.001	1.04977	-45.43123	-.02807	-.01734	.13654	.02458	.02191
	GRADIENT	-.00013	11.02708	.00122	-.00143	.01276	.00234	.00253

RUN NO. 634/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.060	1.04943	.03256	-.00923	.00225	-.01842	-.00377	-.00881
-.000	-4.050	1.04976	-.00690	-.00677	.00562	.03677	.00656	.00371
-.001	-.021	1.04993	-.00688	-.00262	.00129	.09971	.01802	.01626
.001	3.974	1.04975	.03270	-.00759	-.01779	.15258	.02642	.02650
	GRADIENT	-.00000	.00493	-.00010	-.00291	.01444	.00248	.00284

RUN NO. 635/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-8.099	1.04918	151.53360	.01127	.00340	-.00527	-.00193	-.00833
3.994	-4.091	1.05010	134.78610	.00412	.00485	.06267	.01076	.00632
3.994	.015	1.05043	90.35930	-.00588	-.00529	.13163	.02281	.01902
4.005	4.042	1.04952	45.34368	-.01127	-.03276	.18103	.03035	.02901
	GRADIENT	-.00007	-10.99714	-.00189	-.00462	.01456	.00241	.00279

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2 (SC0020) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 637/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.997	-8.091	1.09559	-151.41670	-.02873	-.00087	-.02458	-.00470	-.00849
-4.003	-4.070	1.10228	-134.30340	-.03072	.00061	.02393	.00435	.00173
-3.998	.005	1.10044	-89.91705	-.02837	-.00350	.07419	.01367	.01178
-3.995	3.992	1.10005	-45.47096	-.02960	-.01706	.12775	.02363	.02083
	GRADIENT	-.00028	11.01781	.00014	-.00219	.01288	.00239	.00237

RUN NO. 647/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.038	1.09824	.03256	.00248	.00391	-.02274	-.00433	-.00836
.000	-4.744	1.10085	-.00688	-.00329	.00608	.02300	.00425	.00163
-.002	-3.993	1.09991	.03265	-.00313	.00553	.03286	.00607	.00392
-.001	-.027	1.09972	-.00689	-.00486	-.00130	.09515	.01748	.01600
.001	3.972	1.09972	.03268	-.01364	-.02006	.15199	.02736	.02555
	GRADIENT	-.00009	.00194	-.00115	-.00293	.01493	.00268	.00276

RUN NO. 639/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.091	1.09788	151.41340	.00969	.00519	-.01078	-.00235	-.00835
4.001	-4.008	1.10293	133.99070	.00287	.00762	.05907	.01049	.00609
3.991	-.002	1.10049	90.16074	.00773	-.01074	.12566	.02255	.01818
4.007	4.057	1.09956	45.18436	.00132	-.03371	.17916	.03148	.02824
	GRADIENT	-.00042	-11.01118	-.00019	-.00513	.01489	.00260	.00275

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(SC0021) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 640/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
ALPHA -8.077 MACH 1.14743 -151.21680 PHI -0.2866 CHEI -0.0152 CHEO -0.1941 CNW -0.00421 CBW -0.00740 CTW -0.00775
-4.002 -4.057 1.15075 -134.26350 -0.0374 -0.2757 -0.0374 -0.3218 -0.0533 -0.0337
-3.997 .006 1.15067 -90.19498 -0.02497 -0.0313 -0.08523 -0.1552 -0.1552 -0.1281
-3.996 3.995 1.14965 -45.59026 -0.02818 -0.02061 -0.13474 -0.2443 -0.2443 -0.2141
GRADIENT -0.00014 11.01146 -0.00007 -0.00302 -0.01274 -0.00237 -0.00224

RUN NO. 641/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
ALPHA -8.052 MACH 1.14870 -0.03256 PHI -0.0042 CHEI -0.00309 CHEO -0.02069 CNW -0.00416 CBW -0.00775
-4.044 -4.013 1.15147 -0.00690 -0.0240 -0.0813 -0.04140 -0.0749 -0.0475
-0.001 -0.013 1.15052 -0.00688 -0.00061 -0.00899 -0.10546 -0.1929 -0.1568
.001 3.967 1.14962 -0.03269 -0.00766 -0.02942 -0.15713 -0.2810 -0.2488
GRADIENT -0.00023 -0.00493 -0.00126 -0.00469 -0.01445 -0.00257 -0.00251

RUN NO. 642/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
ALPHA -8.076 MACH 1.14787 151.25330 PHI -0.01574 CHEI -0.00610 CHEO -0.00414 CNW -0.00181 CBW -0.00778
-4.007 1.15078 134.07010 -0.0740 -0.0245 -0.07272 -0.1291 -0.0537 -0.0537
-3.990 -0.006 1.15041 90.67700 -0.00528 -0.02477 -0.13501 -0.2394 -0.1680
-4.009 4.056 1.15001 45.38318 -0.00643 -0.04510 -0.18475 -0.3189 -0.2707
GRADIENT -0.00010 -10.99912 -0.00012 -0.00529 -0.01389 -0.00235 -0.00269

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(SC0022) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 644/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.998	-7.930	1.24873	-150.57640	-.00733	-.00006	-.01685	-.00394	-.00542
-4.008	-4.025	1.25004	-133.78630	-.01203	.00225	.03824	.00678	.00346
-3.992	.009	1.24993	-90.07587	-.01453	-.01431	.08851	.01625	.01213
-3.995	3.989	1.24984	-45.78921	-.01901	-.03393	.13819	.02491	.02086
	GRADIENT	-.00003	10.98106	-.00087	-.00451	.01247	.00226	.00217

RUN NO. 645/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.056	1.24957	.03256	.02875	.00497	-.01387	-.00319	-.00665
-.002	-4.049	1.25053	.03265	.02015	-.00889	.05143	.00942	.00352
-.001	-.039	1.25021	-.00688	.01744	-.02885	.11235	.02031	.01427
.001	3.969	1.24972	.03270	.00386	-.05116	.16135	.02867	.02353
	GRADIENT	-.00010	.00001	-.00203	-.00527	.01371	.00240	.00250

RUN NO. 646/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.991	-8.075	1.24900	151.05260	.04220	-.00282	.00154	-.00055	-.00975
3.997	-4.072	1.25022	134.26900	.03045	-.02554	.07326	.01270	.00123
3.991	.011	1.25037	90.47843	.01990	-.04628	.13917	.02412	.01336
4.006	4.072	1.25005	45.38337	.00931	-.05754	.18559	.03175	.02368
	GRADIENT	-.00002	-10.91533	-.00260	-.00393	.01380	.00234	.00276

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3 (SC0023) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

MACH = 1.250 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 469/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA
-3.913 ALPHA 1.24896 MACH PHI
-3.883 -3.966 1.24974 -150.64600
-3.823 -0.044 1.24951 -134.45450
-3.881 3.874 1.25024 -91.02856
GRADIENT .00006 11.32410 -45.67756
CHEI CHEO CNW CBW CTW
-.02399 -.01955 -.01141 -.00389 -.00412
-.02460 .02330 .04104 .00628 .00449
-.02088 .00493 .08889 .01544 .01287
-.01820 -.01673 .13623 .02385 .02131
.00082 -.00511 .01214 .00224 .00215

RUN NO. 470/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA
-.002 ALPHA 1.24994 MACH PHI
-5.054 -3.992 1.24980 .03261
-.081 1.24967 .03267
3.806 1.24985 -.00680
GRADIENT .00001 -.00506
CHEI CHEO CNW CBW CTW
.01289 .03016 -.01053 -.00344 -.00546
.01177 .02084 .03350 .00511 .00153
.01219 .01529 .05085 .00841 .00442
.01264 -.00969 .10949 .01899 .01489
.00452 -.03221 .15644 .02705 .02412
-.00098 -.00609 .01354 .00239 .00253

RUN NO. 471/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA
3.911 ALPHA 1.25028 MACH PHI
3.870 -3.929 1.24974 150.88280
3.821 -.051 1.25040 134.41960
3.884 3.839 1.24948 91.47098
GRADIENT -.00003 45.98831 -45.98831
CHEI CHEO CNW CBW CTW
.02517 .01664 .00515 -.00066 -.00789
.02019 .00808 .07411 .01201 .00295
.01969 .02948 .13385 .02250 .01434
.01553 -.04214 .17951 .03016 .02425
-.00060 -.00438 .01357 .00234 .00274

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.3

(SCD024) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 476/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.918	-7.746	1.29984	-150.52670	-.01455	.02908	-.00740	-.00334	-.00366
-3.884	-3.963	1.29955	-134.29540	-.01708	.01480	.04440	.00684	.00433
-3.819	-.037	1.29903	-90.86978	-.01496	-.00386	.09310	.01613	.01251
-3.870	3.822	1.29996	-45.95662	-.01898	-.02670	.13628	.02372	.02061
	GRADIENT	.00005	11.34551	-.00024	-.00533	.01180	.00217	.00209

RUN NO. 477/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.770	1.29989	.03262	.02024	.02322	-.00763	-.00272	-.00617
-.001	-3.984	1.30015	.03267	.01855	.00154	.05218	.00865	.00315
-.001	-.043	1.30019	-.00689	.01671	-.01935	.10985	.01902	.01327
.001	3.847	1.29952	.03268	.00728	-.04096	.15648	.02690	.02241
	GRADIENT	-.00008	-.00002	-.00144	-.00543	.01332	.00233	.00246

RUN NO. 478/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.912	-7.771	1.29961	150.60310	.03520	.00757	.00266	-.00110	-.00951
3.887	-3.965	1.29975	134.30130	.02733	-.01675	.06841	.01094	.00047
3.823	-.049	1.29944	91.19305	.02160	-.03547	.13030	.02186	.01169
3.886	3.861	1.29943	45.82907	.00931	-.05213	.17814	.02990	.02171
	GRADIENT	-.00004	-11.30466	-.00230	-.00452	.01402	.00242	.00271

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.3

(SC0025) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 482/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.914	-7.751	1.34965	-150.48620	-.00799	.02577	-.00441	-.00285	-.00411
-3.882	-3.957	1.34968	-134.05650	-.01192	.00383	.04568	.00708	.00292
-3.822	-.040	1.34968	-90.59190	-.01155	-.01163	.09306	.01596	.01156
-3.866	3.826	1.35009	-45.91711	-.01870	.03015	.13546	.02344	.02024
	GRADIENT	.00005	11.32360	-.00087	-.00436	.01154	.00210	.00223

RUN NO. 483/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.782	1.35008	.03262	.02650	.01558	-.00573	-.00242	-.00703
-.001	-3.921	1.34986	.03266	.02327	-.00869	.05402	.00880	.00215
-.001	-.044	1.35025	-.00689	.01656	-.02526	.10984	.01877	.01197
.001	3.807	1.35003	.03270	.00710	-.04420	.15568	.02641	.02136
	GRADIENT	.00002	-.00001	-.00209	-.00459	.01316	.00228	.00249

RUN NO. 485/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.902	-7.781	1.34932	150.60190	.04056	-.00141	.00233	-.00133	-.01002
3.886	-3.958	1.34994	134.06260	.02944	-.02387	.06556	.01027	-.00110
3.821	-.044	1.35008	90.87540	.01702	-.03858	.12569	.02093	.00938
3.889	3.882	1.34999	45.66975	.00089	-.05494	.17412	.02902	.01971
	GRADIENT	.00001	-11.27427	-.00364	-.00396	.01385	.00239	.00266

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.3

(SC0026) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 489/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-0.000	-1.097	1.39992	-.08606	.01106	-.02759	.09796	.01612	.00770
-3.909	-7.739	1.39998	-150.36560	-.00482	.02109	-.00335	-.00266	-.00447
-3.879	-3.951	1.39942	-133.85730	-.00979	.00143	.04606	.00685	.00281
-3.821	-.037	1.39999	-90.35372	-.01051	-.01453	.09306	.01581	.01099
-3.873	3.836	1.39938	-45.91668	-.01749	-.03240	.13344	.02284	.01926
	GRADIENT	-.00000	11.29316	-.00099	-.00434	.01122	.00205	.00211

RUN NO. 490/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-0.002	-7.842	1.39992	.03263	.02795	.00842	-.00405	-.00253	-.00741
-0.002	-4.751	1.40005	.03265	.02226	-.01145	.04153	.00601	-.00104
-0.001	-3.983	1.39979	.03265	.01996	-.01501	.05382	.00830	.00076
-0.000	-.079	1.40003	.03269	.01173	-.03159	.10969	.01832	.01037
.001	3.816	1.39962	.03270	.00042	-.04760	.15534	.02595	.01990
	GRADIENT	-.00003	.00001	-.00249	-.00421	.01332	.00233	.00245

RUN NO. 492/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.905	-7.754	1.39981	150.44240	.04121	-.00767	.00358	-.00144	-.00999
3.885	-3.953	1.39990	133.94320	.02583	-.02943	.06107	.00910	-.00254
3.825	-.033	1.39959	90.63716	.00817	-.04234	.12412	.02034	.00755
3.874	3.829	1.39955	45.90945	-.01084	-.05643	.17225	.02836	.01788
	GRADIENT	-.00005	-11.31056	-.00471	-.00347	.01429	.00248	.00262

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3

(SC0027) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 541/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.913	-7.780	1.39933	-150.28620	.00088	.07456	-.01943	-.00646	-.00237
-3.882	-3.930	1.39999	-133.34020	-.00558	.05659	.03185	.00351	.00484
-3.821	-.026	1.40021	-89.48042	-.00910	.04078	.08051	.01279	.01276
-3.869	3.845	1.39979	-45.51926	-.01365	.01892	.12150	.02010	.02087
	GRADIENT	-.00003	11.29501	-.00104	-.00484	.01153	.00213	.00206

RUN NO. 542/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-7.769	1.39978	-.00679	.03305	.06465	-.01721	-.00564	-.00527
-.002	-3.957	1.40001	.03265	.02171	.04164	.04135	.00526	.00291
-.000	-.080	1.39964	.03269	.01364	.02470	.09718	.01534	.01233
.001	3.829	1.39998	.03272	.00317	.00560	.14340	.02323	.02175
	GRADIENT	-.00000	.00001	-.00238	-.00463	.01310	.00231	.00242

RUN NO. 543/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.903	-7.736	1.39982	150.32220	.04615	.04864	-.00839	-.00457	-.00757
3.885	-3.948	1.40007	133.70450	.02877	.02612	.04923	.00607	-.00023
3.820	-.037	1.40016	90.24010	.01116	.01456	.11209	.01732	.00963
3.869	3.836	1.40006	45.67111	-.00930	-.00084	.16070	.02555	.01983
	GRADIENT	-.00000	-11.31005	-.00489	-.00346	.01432	.00250	.00258

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.3

(SC0028) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 545/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.962	-7.796	1.54820	-149.97210	.00995	.04936	-.00962	-.00494	-.00357
-3.955	-3.993	1.54865	-132.98680	-.00617	.03233	.03606	.00381	.00281
-3.920	-.015	1.54981	-88.68636	-.00823	.02054	.08122	.01251	.01046
-3.940	3.920	1.54871	-45.39520	-.01697	.00562	.11730	.01905	.01816
	GRADIENT	.00001	11.06891	-.00136	-.00337	.01027	.00193	.00194

RUN NO. 546/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.730	1.54929	.03264	.02665	.03890	-.00958	-.00466	-.00595
-.001	-3.849	1.54949	.03268	.00839	.02133	.03906	.00421	.00016
.000	.046	1.54950	.03268	-.00416	.01000	.09288	.01401	.00819
.001	3.940	1.54863	.03267	-.01595	-.00171	.13915	.02199	.01788
	GRADIENT	-.00011	-.00000	-.00313	-.00296	.01285	.00228	.00228

RUN NO. 547/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.955	-7.807	1.54938	150.08880	.03127	.02935	-.00114	-.00387	-.00749
3.936	-3.969	1.54907	133.11110	.00968	.01281	.04343	.00417	-.00221
3.921	-.018	1.54996	89.32681	-.01145	.00365	.10087	.01470	.00534
3.944	3.917	1.54854	45.54674	-.03268	-.00696	.15226	.02374	.01495
	GRADIENT	-.00007	-11.10279	-.00537	-.00251	.01380	.00248	.00218

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0029) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 689/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA .6897 MACH .60140 -153.22020 CHEI .01206 CHEO -.00047 CNW -.00986 CBW -.00054 CTW -.00788
 BETA -4.004 -8.097 .59885 .03258 .01979 .03391 .03089 .07714 .01546 .01362 .02513 .00289
 -3.997 -4.006 .60081 -135.61670 .00867 .00061 .03097 .00691 .01459 .01218 .02212 .00201
 -3.993 .002 .60042 -88.60682 .00569 -.00131 .07205 .01459 .01218 .02212 .02305 .00202
 -3.999 3.992 .59946 -43.20291 .00272 -.00914 .11695 .02305 .02212 .02305 .00202 .00252
 GRADIENT -.00017 11.55471 -.00074 -.00122 .01075 .00202

RUN NO. 690/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA .6907 MACH .60140 -153.22020 CHEI .01206 CHEO -.00047 CNW -.00986 CBW -.00054 CTW -.00788
 BETA -8.016 -3.931 .59885 .03258 .01979 .03391 .03089 .07714 .01546 .01362 .02513 .00289
 .001 .067 .60103 .03268 .01541 .00081 .07714 .01546 .01362 .02513 .00289 .00209
 .001 4.044 .60053 .03258 .01354 .00970 .12492 .02442 .00217 .00289 .00289 .00289
 GRADIENT .00010 -.00001 -.00041 -.00161 .01179 .00217

RUN NO. 691/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA .6917 MACH .59925 153.17460 CHEI .03108 CHEO .00440 CNW -.01308 CBW -.00119 CTW -.00937
 BETA 3.998 -8.044 .60110 135.78120 .02778 .00207 .03893 .00814 .01739 .01609 .00336 .00336
 3.997 -4.007 .60055 89.52531 .02562 -.00268 .08958 .01739 .01609 .00336 .00336 .00336
 3.994 -.036 .60007 43.43397 .02216 -.01268 .13810 .02682 .02776 .02776 .02776 .02776
 3.998 3.976 .00013 -11.56679 -.00070 -.00185 .01242 .00234 .00234 .00234 .00234 .00234
 GRADIENT -.00013 -11.56679 -.00070 -.00185 .01242 .00234

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0030) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 693/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.995	-7.984	.79890	-152.13730	-.01029	-.00319	-.00698	-.00054	-.00922
-4.000	-4.038	.80032	-134.97990	-.01134	-.00162	.03521	.00717	.00090
-3.986	-.039	.80015	-89.36120	-.01097	-.00174	.07884	.01509	.01139
-3.996	3.995	.79964	-44.23765	-.00941	-.00699	.12898	.02437	.02267
	GRADIENT	-.00008	11.29555	.00024	-.00067	.01167	.00214	.00271

RUN NO. 694/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.033	.80013	.03260	.00166	.00232	-.01425	-.00167	-.01071
.001	-4.031	.79996	-.00687	.00216	.00268	.03369	.00694	.00132
.001	.106	.79991	.03268	.00383	.00017	.08566	.01621	.01415
-.001	4.095	.79923	-.00687	.00613	-.00679	.13897	.02611	.02678
	GRADIENT	-.00009	.00006	.00049	-.00116	.01295	.00236	.00313

RUN NO. 695/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-8.007	.79982	152.25340	.01838	.00436	-.00761	-.00094	-.00932
3.997	-4.044	.80033	135.18420	.01811	.00340	.04596	.00874	.00385
3.980	-.029	.80016	89.64445	.01778	-.00125	.10111	.01859	.01735
3.996	3.991	.79997	44.34943	.01883	-.01011	.15710	.02922	.03026
	GRADIENT	-.00004	-11.30517	.00009	-.00168	.01383	.00255	.00329

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(SC0031) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABDX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 696/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-8.110	.89974	-151.97770	-.01298	.00148	-.01811	-.00340	-.00922
-3.998	-4.063	.90028	-134.58170	-.01443	.00318	.02739	.00518	.00057
-3.997	-.003	.90003	-88.80534	-.01794	.00583	.07406	.01388	.01046
-3.994	3.987	.89990	-44.59591	-.01782	-.00529	.12562	.02311	.02107
	GRADIENT	-.00005	11.17804	-.00042	-.00105	.01220	.00223	.00255

RUN NO. 697/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.029	.90008	-.00677	.00896	-.00118	-.02529	-.00431	-.01059
.001	-4.518	.90034	-.00685	.00831	.00352	.02014	.00391	.00002
.001	-3.909	.89985	-.00686	.00823	.00247	.02833	.00545	.00185
.000	.103	.89968	-.00690	.00857	.00597	.08423	.01559	.01395
-.001	4.092	.89939	-.00687	.01020	-.00601	.13750	.02478	.02605
	GRADIENT	-.00009	-.00000	.00021	-.00090	.01366	.00243	.00302

RUN NO. 698/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.990	-7.954	.89988	151.69250	.02796	-.00136	-.01508	-.00283	-.00911
3.998	-4.033	.89991	134.54750	.02351	.00181	.04159	.00744	.00419
3.985	.040	.90010	88.57220	.02459	.00521	.10344	.01851	.01814
3.996	3.996	.89956	44.66770	.02135	-.01204	.15591	.02734	.02922
	GRADIENT	-.00004	-11.19616	-.00027	-.00171	.01425	.00248	.00312

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0032) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 702/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.999	-7.981	.94848	-151.41710	-.03261	-.00735	-.02126	-.00358	-.00967
-3.997	-4.043	.94957	-134.22330	-.02151	-.00675	.02430	.00485	.00017
-3.996	.000	.95062	-88.80534	-.02179	-.00630	.07187	.01368	.00997
-3.993	4.003	.94872	-44.75504	-.02316	-.01440	.12454	.02361	.01981
	GRADIENT	-.00010	11.11987	-.00021	-.00095	.01246	.00233	.00244

RUN NO. 703/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-8.031	.95034	.03263	-.00379	-.00144	-.02923	-.00483	-.01056
-.001	-4.034	.95016	.03268	-.00080	-.00022	.02355	.00492	.00121
-.000	.081	.95029	-.00689	-.00271	.00033	.08092	.01539	.01337
.002	3.977	.94852	.03260	.00393	-.01932	.13783	.02516	.02448
	GRADIENT	-.00020	-.00010	.00058	-.00236	.01426	.00253	.00291

RUN NO. 704/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.992	-7.936	.94976	151.41270	.01038	-.00015	-.01762	-.00305	-.00907
3.997	-4.041	.95000	134.38830	.01309	.00220	.04100	.00769	.00421
3.984	.083	.95122	88.09566	.01324	-.00008	.10482	.01900	.01800
3.998	3.998	.94875	44.78705	.01464	-.02431	.15864	.02798	.02815
	GRADIENT	-.00015	-11.14615	.00019	-.00327	.01464	.00253	.00298

IA613A(AEDC 16TF-829) B/L QT + ASRM, PLUMES OFF (SC0033) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 705/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.997	-8.100	1.04694	-151.17660	-.01443	.00347	-.04085	-.00669	-.00968
-3.998	-4.067	1.05194	-133.90500	-.02256	.00518	.01048	.00285	.00088
-4.000	.004	1.05033	-89.16267	-.02340	.00272	.06316	.01241	.01145
-4.002	4.046	1.04974	-44.99314	-.02823	-.00939	.11984	.02286	.02106
	GRADIENT	-.00027	10.95901	-.00070	-.00179	.01348	.00247	.00249

RUN NO. 706/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-8.041	1.04966	.03261	.01084	.00589	-.03538	-.00552	-.00924
-.001	-4.038	1.05110	.03266	-.00050	.00762	.02248	.00517	.00310
-.000	-.031	1.05049	.03269	-.00387	.00379	-.08662	.01697	.01535
-.001	3.976	1.04941	-.00681	-.00714	-.01185	.14215	.02642	.02553
	GRADIENT	-.00021	-.00492	-.00083	-.00243	.01493	.00265	.00280

RUN NO. 707/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.997	-8.024	1.04955	151.09340	.02117	.00700	-.01938	-.00325	-.00889
4.001	-4.073	1.05167	134.14980	.00750	.00880	.05118	.00980	.00546
3.995	.015	1.05073	89.60474	.00064	-.00866	.12193	.02257	.01780
4.006	4.070	1.04946	45.02526	.00404	-.02653	.17441	.03100	.02838
	GRADIENT	-.00027	-10.94554	-.00043	-.00434	.01514	.00260	.00282

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0034) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABDX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 709/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -4.000 1.09825 -151.13700 .01813 .00564 -.04674 -.00733 -.00832
 -3.999 -4.092 1.10069 -134.02450 .00218 .00709 .00190 .00145
 -3.997 .002 1.10007 -89.28178 -.00940 .00460 .01164 .01152
 -4.003 4.046 1.09984 -45.03286 -.02466 -.01016 .02202 .02033
 GRADIENT -.00010 10.93572 -.00330 -.00212 .01341 .00247 .00232

RUN NO. 710/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -8.052 1.09977 -.00675 .04350 .00545 -.04032 -.00602 -.00835
 -4.747 1.10062 .03267 .02743 .00749 .00682 .00275 .00137
 -4.031 1.10002 -.00688 .02411 .00700 .01703 .00454 .00382
 .022 1.09973 -.00689 .01350 .00131 .08315 .01655 .01577
 3.969 1.09937 -.00683 .00337 -.01750 .13788 .02619 .02489
 GRADIENT -.00012 -.00287 -.00270 -.00277 .01518 .00272 .00271

RUN NO. 711/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -8.017 1.09938 150.97330 .05300 .00598 -.02359 -.00370 -.00822
 -4.058 1.10113 133.91090 .03414 .00882 .04575 .00906 .00545
 .013 1.09997 89.32675 .01515 -.00975 .11626 .02176 .01736
 4.049 1.09976 45.02562 .00279 -.03101 .17051 .03023 .02711
 GRADIENT -.00017 -10.96346 -.00387 -.00491 .01539 .00270 .00267

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0035) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 712/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.995	-8.109	1.14863	34.03080	.01476	.00520	-.04008	-.00641	-.00724
-4.014	-3.951	1.15025	55.16539	.00593	.00862	.01528	.00334	.00369
-4.002	-.010	1.15002	90.08127	-.00386	.00281	.07174	.01396	.01311
-3.985	3.994	1.15008	126.63140	-.01909	-.01646	.12390	.02323	.02174
	GRADIENT	-.00002	8.99473	-.00315	-.00316	.01367	.00248	.00227

RUN NO. 713/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.054	1.15071	-.00679	.04554	.00472	-.03617	-.00585	-.00739
.000	-4.050	1.15025	-.00690	.03155	.00926	.02688	.00599	.00454
-.001	-.035	1.15054	-.00688	.02204	-.00767	.09102	.01779	.01529
.001	3.967	1.14941	.03268	.00381	-.03094	.14498	.02724	.02410
	GRADIENT	-.00010	.00493	-.00346	-.00501	.01473	.00265	.00244

RUN NO. 714/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.993	-8.026	1.14983	150.89290	.06136	.00731	-.01671	-.00291	-.00749
3.999	-4.101	1.15064	134.18950	.04254	-.00123	.05818	.01125	.00474
3.996	.014	1.15079	89.56503	.02567	-.02470	.12395	.02290	.01626
4.001	4.076	1.15045	44.98580	.00670	-.04645	.17786	.03186	.02597
	GRADIENT	-.00002	-10.90941	-.00438	-.00553	.01464	.00252	.00260

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0036) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 715/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.998	-7.950	1.24977	34.78854	.03274	.00695	-.03116	-.00516	-.00464
-3.998	-4.016	1.25006	54.72896	.02353	.00562	.02521	.00548	.00409
-3.993	-.005	1.24954	90.12096	.01559	-.01274	.08072	.01556	.01287
-3.999	4.098	1.24978	127.10930	-.00066	-.03551	.13020	.02409	.02129
		-.00003	8.92102	-.00298	-.00507	.01294	.00229	.00212

RUN NO. 716/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.088	1.25029	-.00680	.05662	.00683	-.02562	-.00432	-.00632
.000	-4.058	1.25062	-.00690	.04666	-.00729	.03769	.00791	.00353
-.001	-.021	1.24932	-.00688	.03640	-.02714	.10010	.01903	.01408
-.002	3.962	1.25022	-.00678	.01862	-.05038	.14954	.02745	.02292
		-.00005	.00002	-.00349	-.00537	.01395	.00244	.00242

RUN NO. 717/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.000	-8.064	1.24976	150.73380	.06467	-.00261	-.00781	-.00133	-.00954
4.004	-4.025	1.25022	133.43380	.05222	-.02499	.06273	.01160	.00114
3.996	.006	1.25048	89.68417	.04050	-.04502	.12837	.02302	.01282
3.996	3.982	1.24936	45.66258	.01962	-.05871	.17604	.03094	.02263
		-.00011	-10.96161	-.00407	-.00421	.01416	.00242	.00268

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0037) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1449/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -3.996 -7.992 1.24925 34.70889 .03963 .03130 -.03323 -.00706 -.00380
 -4.010 -3.922 1.25043 55.60277 .02945 .03091 .02547 .00385 .00557
 -4.004 -.009 1.24997 90.12097 .02175 .00974 .08181 .01399 .01437
 -3.995 4.008 1.24999 126.55240 .00751 -.01612 .13215 .02259 .02291
 GRADIENT -.00005 8.94688 -.00277 -.00593 .01345 .00236 .00219

RUN NO. 1450/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -3.996 -8.084 1.24949 .03259 .06359 .03122 -.02640 -.00602 -.00518
 -4.002 -5.129 1.25045 .03263 .05675 .02198 .02071 .00292 .00220
 .000 -3.995 1.25018 -.00690 .05381 .01627 .03951 .00643 .00522
 -.001 -.042 1.24997 -.00688 .04470 -.00632 .10194 .01743 .01581
 -.002 3.992 1.24976 -.00677 .02713 -.03162 .15392 .02616 .02500
 GRADIENT -.00005 .00002 -.00334 -.00600 .01432 .00247 .00248

RUN NO. 1451/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 3.996 -8.028 1.24963 150.69340 .07192 .01894 -.00696 -.00254 -.00773
 4.002 -4.013 1.25004 133.39390 .06081 -.00596 .06518 .01034 .00342
 3.995 .026 1.25013 89.32675 .04818 -.02740 .13181 .02169 .01520
 4.004 4.077 1.24967 45.02539 .02709 -.04772 .18309 .03024 .02501
 GRADIENT -.00005 -10.92282 -.00417 -.00516 .01457 .00246 .00267

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0038) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1453/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.996	-8.050	1.29971	34.58922	.04565	.03311	-.02578	-.00616	-.00264
-4.007	-3.922	1.30006	55.64266	.03442	.02006	.03218	.00480	.00551
-4.003	-.012	1.29967	90.08127	.02545	-.00100	.08634	.01446	.01418
-4.000	3.996	1.29996	126.43340	.01249	-.02295	.13293	.02238	.02248
	GRADIENT	-.00001	8.94113	-.00277	-.00543	.01272	.00222	.00214

RUN NO. 1454/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.090	1.30024	-.00681	.06300	.02631	-.01893	-.00484	-.00533
.000	-4.067	1.30022	-.00689	.05457	.00392	.04395	.00692	.00431
-.000	-.045	1.29983	.03269	.04358	-.01569	.10634	.01778	.01476
-.002	3.989	1.29995	-.00678	.02867	-.03870	.15651	.02615	.02395
	GRADIENT	-.00003	.00001	-.00321	-.00529	.01397	.00239	.00244

RUN NO. 1455/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.000	-8.036	1.29898	150.61380	.07161	.01047	-.00481	-.00265	-.00829
4.002	-4.019	1.30005	133.35410	.05922	-.01551	.06434	.00986	.00171
3.996	.008	1.29998	89.60474	.04102	-.03355	.13143	.02125	.01305
4.000	3.980	1.29954	45.66230	.01841	-.05225	.18215	.02968	.02291
	GRADIENT	-.00006	-10.96266	-.00510	-.00459	.01473	.00248	.00265

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(SC0039) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1457/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.998	-7.969	1.34985	34.94811	.05019	.03067	-.01923	-.00497	-.00268
-4.014	-3.925	1.35018	55.84105	.03962	.01070	.03450	.00513	.00491
-4.005	-.052	1.34971	89.76355	.02894	-.00711	.08711	.01444	.01339
-3.998	4.000	1.34963	126.43330	.01429	-.02774	.13489	.02254	.02214
	GRADIENT	-.00007	8.90867	-.00320	-.00485	.01266	.00220	.00217

RUN NO. 1458/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-003	-8.089	1.34971	.03259	.06343	.02017	-.01559	-.00423	-.00611
-002	-4.073	1.35020	.03265	.05433	-.00476	.04723	.00724	.00334
-000	-.018	1.34911	.03270	.03997	-.02129	.10813	.01779	.01364
-002	3.952	1.34948	-.00676	.02473	-.04118	.15691	.02580	.02286
	GRADIENT	-.00009	-.00489	-.00369	-.00454	.01367	.00231	.00243

RUN NO. 1459/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-7.899	1.34946	150.21380	.06884	.00018	.00102	-.00206	-.00823
3.999	-4.099	1.35004	133.83140	.05430	-.02176	.06255	.00915	.00004
4.000	.019	1.35000	89.36646	.03076	-.03642	.12794	.02047	.01073
3.999	3.985	1.34940	45.66241	.00647	-.05257	.17903	.02883	.02097
	GRADIENT	-.00008	-10.90589	-.00592	-.00381	.01442	.00244	.00259

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0040) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABDX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1460/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.995	-8.026	1.39968	34.78881	.05478	.02458	-.01610	-.00433	-.00324
-4.015	-3.923	1.39973	56.00001	.04243	.00228	.03861	.00567	.00460
-4.007	-.020	1.40022	90.24012	.02906	-.01397	.09034	.01482	.01314
-3.998	4.003	1.39984	126.47300	.01325	-.03305	.13497	.02229	.02084
	GRADIENT	.00001	8.89128	-.00368	-.00446	.01215	.00210	.00205

RUN NO. 1461/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.089	1.39975	.03258	.06163	.01086	-.01213	-.00394	-.00649
-.002	-4.805	1.40008	.03263	.05139	-.00826	.03613	.00483	.00028
.000	-4.041	1.39978	-.00690	.04859	-.01312	.04837	.00714	.00197
-.001	-.052	1.40000	-.00688	.03090	-.02772	.10824	.01749	.01184
-.002	3.941	1.39966	-.00676	.01507	-.04427	.15661	.02542	.02126
	GRADIENT	-.00003	-.00287	-.00419	-.00402	.01384	.00236	.00241

RUN NO. 1462/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.993	-8.034	1.39977	150.53300	.06545	-.00421	-.00068	-.00253	-.00885
3.999	-4.020	1.39963	133.19470	.04547	-.02830	.05972	.00839	-.00152
3.998	.015	1.39994	89.24732	.01895	-.03981	.12582	.01985	.00860
3.999	4.044	1.39966	45.30427	-.00681	-.05378	.17783	.02837	.01930
	GRADIENT	.00000	-10.89805	-.00648	-.00316	.01465	.00248	.00258

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0041) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1464/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.945	-7.904	1.54929	34.95337	.05476	.00480	-.00667	-.00324	-.00383
-3.927	-3.881	1.54540	56.00412	.03788	-.01272	.04261	.00575	.00277
-3.902	-.053	1.54953	90.20039	.02172	-.02514	.09065	.01425	.01092
-3.916	3.952	1.54922	126.66760	.00308	-.03848	.12965	.02086	.01835
	GRADIENT	.00048	9.02276	-.00444	-.00329	.01110	.00193	.00199

RUN NO. 1465/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.973	1.54916	.03261	.05129	-.00521	-.00328	-.00295	-.00687
.001	-3.973	1.54876	-.00688	.02868	-.02434	.04522	.00570	-.00083
-.001	.039	1.54973	-.00689	.00718	-.03780	.10398	.01607	.00750
.002	4.096	1.54869	.03266	-.00973	-.04875	.15332	.02421	.01770
	GRADIENT	-.00001	.00491	-.00476	-.00302	.01340	.00229	.00230

RUN NO. 1466/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.045	-7.993	1.54919	150.01980	.04439	-.01531	.00903	-.00174	-.00860
4.073	-4.164	1.54926	133.23940	.01882	-.03484	.05163	.00585	-.00376
4.099	.015	1.54972	88.85005	-.00890	-.04661	.11540	.01715	.00420
4.068	4.141	1.54870	45.10045	-.03283	-.05608	.17030	.02652	.01466
	GRADIENT	-.00007	-10.61263	-.00622	-.00256	.01429	.00249	.00222

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(SC0042) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 837/ O RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.005	-7.921	.60088	31.79426	-.00182	.00186	.00754	.00159	-.00591
-3.999	-4.005	.60089	52.26429	-.00309	.00276	.04534	.00819	.00371
-4.000	-.003	.60126	90.75642	-.00457	.00040	.08732	.01546	.01415
-3.995	3.988	.60078	128.93830	-.00643	-.00785	.13103	.02345	.02468
	GRADIENT	-.00001	9.59209	-.00042	-.00133	.01072	.00191	.00262

RUN NO. 838/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-7.912	.59829	-.00681	.00843	.00555	-.00307	-.00036	-.00740
.000	-3.952	.59983	-.00688	.00656	.00504	.03905	.00727	.00350
.000	.066	.60053	.03269	.00532	.00226	.08436	.01545	.01498
-.001	4.030	.60042	-.00684	.00288	-.00522	.13048	.02406	.02625
	GRADIENT	.00007	.00003	-.00046	-.00128	.01145	.00210	.00285

RUN NO. 839/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.997	-8.080	.59854	153.37460	.02171	.00602	-.00384	-.00090	-.00751
3.989	-4.001	.59989	135.97970	.01936	.00372	.04678	.00820	.00512
3.989	-.049	.59987	89.92244	.01675	-.00054	.09569	.01721	.01757
3.989	3.991	.59976	43.27542	.01306	-.00864	.14379	.02650	.02923
	GRADIENT	-.00002	-11.59992	-.00079	-.00155	.01214	.00229	.00302

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SC0043) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = .800 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 833/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.003	-8.024	.79940	32.43345	-.01693	-.00235	.01112	-.00150	-.00671
-4.001	-3.991	.80053	53.17854	-.01521	.00032	.05205	.00869	.00350
-4.013	.097	.80016	91.63014	-.01327	-.00047	.09673	.01641	.01453
-3.994	4.008	.79964	127.90430	-.01157	-.00673	.14419	.02497	.02595
	GRADIENT	-.00011	9.34294	.00046	-.00088	.01151	.00203	.00281

RUN NO. 834/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.047	.79982	-.00678	-.00393	.00330	-.00114	-.00085	-.00846
.001	-3.909	.80071	-.00688	-.00322	.00449	.04538	.00756	.00356
-.000	.063	.80015	-.00689	-.00185	.00270	.09264	.01608	.01562
-.001	4.063	.79934	-.00683	-.00098	-.00422	.14372	.02551	.02803
	GRADIENT	-.00017	.00001	.00028	-.00109	.01234	.00225	.00307

RUN NO. 835/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.992	-7.975	.79925	152.33290	.01357	.00445	.00440	-.00029	-.00715
3.990	-4.014	.80045	135.22350	.01396	-.00421	.05586	.00895	.00583
3.979	-.048	.80023	90.12100	.01317	.00007	.10761	.01843	.01883
3.999	3.915	.79966	44.82677	.01251	-.00676	.15985	.02843	.03134
	GRADIENT	-.00010	-11.40014	-.00018	-.00138	.01311	.00246	.00322

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(SC0044) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IFABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 830/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.999	-8.066	.89908	32.83310	-.01942	-.00465	.00479	-.00020	-.00668
-4.011	-3.943	.89979	54.17181	-.01893	-.00105	.04834	.00774	.00313
-4.001	.025	.89980	90.79612	-.01999	.00183	.09462	.01598	.01351
-3.996	4.003	.90012	127.42720	-.01806	-.00451	.14656	.02526	.02503
	GRADIENT	.00004	9.21903	.00011	-.00044	.01236	.00220	.00276

RUN NO. 831/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.048	.89987	-.00680	-.00903	-.00191	-.00878	-.00257	-.00918
.001	-4.540	.90037	-.00688	-.00685	.00142	.03326	.00513	.00120
.000	-3.909	.89981	-.00688	-.00629	.00207	.04095	.00653	.00312
-.000	-.021	.89981	-.00689	-.00182	.00732	.09278	.01593	.01521
-.001	4.096	.89956	-.00683	-.00257	-.00218	.14475	.02477	.02764
	GRADIENT	-.00007	.00001	.00054	-.00030	.01296	.00229	.00307

RUN NO. 832/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.991	-7.979	.89956	151.89260	.00623	-.00224	-.00066	-.00138	-.00806
3.987	-3.996	.90017	134.62640	.00973	.00318	.05409	.00836	.00576
3.974	.026	.90069	89.08848	.01216	.00665	.11409	.01943	.01960
3.990	3.992	.89977	44.62844	.01067	-.00742	.16263	.02737	.03073
	GRADIENT	-.00005	-11.26731	.00012	-.00132	.01360	.00238	.00313

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SC0045) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 827/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.004	-8.044	.94901	33.27165	-.01912	-.00217	.00016	-.00151	-.00631
-4.007	-3.976	.95043	54.33098	-.01779	-.00398	.04290	.00632	.00328
-4.002	.001	.94992	90.55785	-.01942	.00591	.09018	.01496	.01317
-3.993	3.997	.94943	127.34750	-.01979	-.00599	.13883	.02334	.02374
	GRADIENT	-.00013	9.15761	-.00025	-.00125	.01203	.00213	.00257

RUN NO. 828/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.050	.94988	-.00678	-.00783	-.00193	-.01490	-.00392	-.00898
.000	-4.038	.95003	-.00688	-.00435	.00628	.03394	.00498	.00304
-.001	-.036	.95023	-.00689	-.00079	.00637	.08825	.01487	.01478
-.001	4.095	.94936	-.00684	-.00247	-.00570	.14389	.02426	.02654
	GRADIENT	-.00008	.00001	.00023	-.00148	.01352	.00257	.00289

RUN NO. 829/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.992	-7.961	.94949	151.57280	.00883	-.00152	-.00497	-.00259	-.00737
3.992	-4.017	.95025	134.38800	.01247	.00542	.05052	.00765	.00601
3.973	.071	.95068	88.29425	.01712	.00516	.11285	.01886	.01966
3.991	3.984	.94955	44.70793	.01541	-.01235	.16233	.02698	.02973
	GRADIENT	-.00009	-11.20964	.00037	-.00221	.01398	.00242	.00297

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SC0046) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 823/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.003	-7.964	1.04795	34.18963	-.04294	-.01153	-.00978	-.00319	-.00756
-4.009	-3.973	1.05075	54.72840	-.03642	-.00897	.03684	.00543	.00270
-4.010	.110	1.05062	91.23299	-.02683	-.00918	.09106	.01512	.01396
-3.996	3.993	1.04943	126.63200	-.02852	-.02453	.14496	.02483	.02380
	GRADIENT	-.00016	9.02589	.00100	-.00194	.01357	.00243	.00265

RUN NO. 824/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-7.887	1.04877	-.00683	-.00925	.00204	-.01664	-.00437	-.00767
-.000	-4.049	1.05147	-.00692	-.00897	.00374	.03631	.00562	.00412
-.001	-.023	1.05078	-.00688	-.00646	-.00042	.09904	.01715	.01639
-.002	4.082	1.04961	-.00675	-.00967	-.02381	.15362	.02600	.02680
	GRADIENT	-.00023	.00002	-.00009	-.00340	.01442	.00251	.00279

RUN NO. 825/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-8.087	1.04827	151.33320	.01208	.00326	-.00665	-.00306	-.00769
3.995	-4.027	1.05266	134.10960	.00750	.00239	.06420	.01016	.00714
3.993	.003	1.05090	89.88274	-.00752	-.00496	.12983	.02164	.01925
4.000	4.045	1.04914	45.06549	-.00852	-.03520	.17950	.02946	.02923
	GRADIENT	-.00044	-11.03147	-.00198	-.00466	.01428	.00239	.00274

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(SC0047) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABDX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 820/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -4.000 -8.079 1.09762 33.91056 -.03083 -.00134 -.02355 -.00526 -.00773
 -4.012 -3.945 1.10167 55.16545 -.03272 -.00161 .02707 .00400 .00254
 -4.009 .109 1.10017 91.51099 -.02938 -.00612 .08063 .01368 .01292
 -3.990 4.005 1.09909 126.91000 -.03025 -.02325 .13379 .02342 .02217
 GRADIENT -.00032 9.02406 .00031 -.00271 .01342 .00244 .00247

RUN NO. 821/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 .001 -8.081 1.09889 -.00680 -.00132 .00368 -.02516 -.00543 -.00810
 .000 -4.762 1.10114 -.00689 -.00612 .00507 .02090 .00323 .00179
 .000 -4.042 1.09979 -.00590 -.00652 .00452 .03042 .00500 .00396
 -.001 .104 1.10050 -.00688 -.00349 -.00190 .09410 .01681 .01626
 -.002 3.969 1.09916 -.00579 -.01638 -.01935 .14873 .02628 .02544
 GRADIENT -.00015 .00001 -.00098 -.00271 .01475 .00267 .00273

RUN NO. 822/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 3.994 -8.093 1.09538 151.29300 .00644 .00518 -.01110 -.00339 -.00785
 3.995 -4.066 1.10331 134.06980 -.00050 .00595 .05712 .00924 .00616
 3.990 .011 1.10072 89.28703 .00451 -.01090 .12338 .02138 .01826
 3.997 4.020 1.09963 45.10546 -.00798 -.03220 .17682 .03035 .02795
 GRADIENT -.00046 -11.00128 -.00092 -.00472 .01481 .00261 .00270

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SC0048) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.150 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 816/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.001	-8.013	1.14925	34.34938	-.02924	-.00115	-.01724	-.00465	-.00651
-4.000	-4.025	1.15098	54.53012	-.02988	.00099	.03369	.00466	.00383
-4.011	.098	1.15046	91.15356	-.02722	-.00473	.09068	.01522	.01382
-3.990	3.999	1.14948	126.67150	-.02828	-.02391	.13947	.02378	.02261
	GRADIENT	-.00019	8.98889	.00020	-.00309	.01319	.00239	.00234

RUN NO. 817/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.098	1.14905	-.00681	.00214	.00316	-.02049	-.00519	-.00717
.000	-4.051	1.15055	-.00690	-.00229	.00729	.04122	.00650	.00500
-.001	-.031	1.15069	-.00688	-.00550	-.00847	.10402	.01818	.01582
-.002	4.079	1.14955	-.00676	-.00799	-.02787	.15635	.02716	.02527
	GRADIENT	-.00012	.00002	-.00070	-.00433	.01416	.00254	.00249

RUN NO. 818/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.993	-8.089	1.14778	151.13280	.01342	.00562	-.00495	-.00270	-.00733
3.993	-4.043	1.15039	134.02990	.00356	-.00322	.07137	.01171	.00565
3.989	.017	1.15024	89.68417	.00651	-.02194	.13330	.02277	.01721
3.998	4.059	1.15033	45.02579	.00701	-.04176	.18277	.03073	.02729
	GRADIENT	-.00001	-10.98553	.00043	-.00476	.01375	.00235	.00267

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SC0050) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 810/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.004	-7.968	1.29928	34.78790	.00194	.00785	-.00869	-.00337	-.00374
-4.014	-3.918	1.30064	55.52309	-.00432	-.00484	.04605	.00726	.00414
-4.002	.000	1.29977	90.12097	-.00849	-.02300	.09681	.01642	.01264
-4.006	4.088	1.29993	127.03010	-.01650	-.03988	.14196	.02413	.02110
	GRADIENT	-.00009	8.93246	-.00152	-.00437	.01197	.00211	.00212

RUN NO. 811/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.093	1.29915	-.00681	.03543	.00286	-.00794	-.00291	-.00640
.000	-4.075	1.30079	-.00690	.02869	-.01735	.05300	.00876	.00307
-.001	-.027	1.29965	-.00688	.01996	-.03607	.11284	.01942	.01334
-.002	4.087	1.29970	-.00675	.00742	-.05116	.15998	.02724	.02261
	GRADIENT	-.00013	.00002	-.00261	-.00414	.01310	.00226	.00239

RUN NO. 812/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.993	-8.073	1.29901	150.77300	.05073	-.00988	.00358	-.00138	-.00923
3.993	-4.071	1.30062	133.83100	.03862	-.03509	.06984	.01103	.00029
3.991	.016	1.29991	89.64445	.02306	-.05214	.13547	.02254	.01161
4.000	4.084	1.29984	45.02566	.00632	-.06355	.18434	.03065	.02199
	GRADIENT	-.00010	-10.88881	-.00396	-.00349	.01404	.00241	.00266

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(SC0051) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 806/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.003	-7.961	1.34906	34.94756	.00611	.00635	-.00351	-.00252	-.00391
-4.017	-3.929	1.35034	55.72169	.00210	-.01091	.04675	.00720	.00357
-4.009	-.019	1.35005	90.12097	-.00235	-.02682	.09648	.01620	.01206
-3.995	4.000	1.34992	126.47290	-.01092	-.04254	.14201	.02394	.02075
	GRADIENT	-.00005	8.92447	-.00164	-.00399	.01201	.00211	.00217

RUN NO. 807/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.089	1.34947	-.00683	.03880	-.00163	-.00476	-.00248	-.00694
-.000	-4.039	1.35070	-.00691	.03262	-.02412	.05623	.00904	.00233
-.001	-.037	1.35048	-.00688	.02131	-.03884	.11362	.01919	.01233
-.002	3.957	1.34968	-.00675	.00707	-.05789	.16069	.02706	.02150
	GRADIENT	-.00013	.00002	-.00320	-.00422	.01306	.00225	.00240

RUN NO. 808/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.991	-7.929	1.34867	150.33300	.05242	-.01808	.00707	-.00095	-.00922
4.008	-4.031	1.35050	133.35450	.03760	-.04109	.06906	.01056	-.00100
3.989	.009	1.34935	89.52532	.01843	-.05467	.13135	.02160	.00944
3.998	4.073	1.35045	45.06562	-.00298	-.07100	.18121	.03001	.01983
	GRADIENT	-.00001	-10.89402	-.00501	-.00369	.01384	.00240	.00257

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(SC0052) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 803/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.006	-7.959	1.40004	34.98718	.01259	.00159	.00063	-.00179	-.00375
-4.001	-4.008	1.40040	55.08651	.00775	-.01772	.05038	.00766	.00342
-4.006	.026	1.39995	90.51812	.00121	-.03293	.10014	.01665	.01213
-3.997	4.004	1.39986	126.47300	-.00739	-.04916	.14075	.02355	.01953
	GRADIENT	-.00007	8.90937	-.00189	-.00392	.01128	.00198	.00201

RUN NO. 804/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.083	1.39943	-.00683	.04046	-.00896	-.00342	-.00233	-.00735
-.000	-4.064	1.40047	-.00691	.03005	-.03148	.05472	.00859	.00078
-.001	-.039	1.39975	-.00688	.01604	-.04544	.11188	.01875	.01049
-.002	3.963	1.39990	-.00676	.00268	-.06106	.15798	.02645	.01961
	GRADIENT	-.00007	.00002	-.00341	-.00368	.01287	.00222	.00235

RUN NO. 805/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.989	-8.074	1.39953	150.69250	.05229	-.02147	.00631	-.00136	-.00935
3.994	-4.073	1.40052	133.67190	.03430	-.04507	.06468	.00954	-.00226
3.987	.016	1.39990	89.36647	.00904	-.05736	.13021	.02119	.00764
3.997	4.079	1.40031	45.02587	-.01232	-.07094	.17870	.02942	.01807
	GRADIENT	-.00003	-10.87410	-.00572	-.00317	.01399	.00244	.00249

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3

(SC0053) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1373/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.008	-7.975	1.24917	34.70777	-.02518	.02073	-.01524	-.00470	-.00458
-4.020	-3.952	1.25032	55.20483	-.02514	.02252	.04046	.00575	.00470
-4.002	.003	1.25002	90.16071	-.02322	.00362	.09322	.01545	.01336
-3.988	4.000	1.24968	126.55200	-.02303	-.01842	.14171	.02378	.02200
	GRADIENT	-.00008	8.97275	.00026	-.00515	.01273	.00227	.00218

RUN NO. 1374/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.074	1.24948	-.00680	.00961	.02896	-.01702	-.00491	-.00632
.001	-5.161	1.25033	-.00688	.00926	.02020	.02782	.00376	.00106
.000	-4.073	1.25001	-.00689	.00843	.01477	.04552	.00710	.00395
-.001	-.044	1.25022	-.00689	.00661	-.00803	.10754	.01813	.01474
-.002	4.080	1.24974	-.00677	-.00039	-.02878	.15727	.02659	.02420
	GRADIENT	-.00003	.00001	-.00108	-.00534	.01370	.00239	.00248

RUN NO. 1375/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-8.090	1.24902	150.93310	.02411	.01870	-.00238	-.00225	-.00897
4.001	-4.026	1.25022	133.63250	.01873	-.00637	.06863	.01069	.00220
3.994	.016	1.25030	89.72388	.01700	-.02699	.13313	.02189	.01410
4.009	4.080	1.25003	45.06484	.01389	-.03825	.18068	.02973	.02455
	GRADIENT	-.00002	-10.92637	-.00060	-.00393	.01382	.00235	.00276

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3 (SC0054) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1377/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.007	-7.969	1.29939	34.78763	-.01742	.02662	-.01054	-.00397	-.00385
-4.013	-3.936	1.30059	55.32442	-.01908	.01454	.04420	.00650	.00423
-4.006	-.005	1.29963	90.08127	-.01895	-.00493	.09527	.01567	.01282
-3.990	3.990	1.29959	126.51240	-.02200	-.02467	.14035	.02337	.02133
GRADIENT	GRADIENT	-.00013	8.98225	-.00037	-.00495	.01213	.00213	.00216

RUN NO. 1378/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.071	1.29988	-.00680	.01805	.02441	-.01196	-.00389	-.00658
.000	-4.056	1.30004	-.00689	.01711	.00217	.04942	.00769	.00319
-.001	-.039	1.29969	-.00689	.01371	-.01715	.10965	.01831	.01365
-.002	3.972	1.29992	-.00678	.00458	-.03774	.15783	.02639	.02284
GRADIENT	GRADIENT	-.00001	.00001	-.00156	-.00497	.01350	.00233	.00245

RUN NO. 1379/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.074	1.29933	150.77360	.03518	.01003	-.00213	-.00238	-.00950
3.999	-4.101	1.30018	134.03030	.02731	-.01552	.06539	.00988	.00054
3.990	.017	1.29996	89.68417	.02020	-.03393	.13128	.02138	.01218
4.007	4.088	1.29960	45.02518	.00874	-.04903	.18131	.02974	.02256
GRADIENT	GRADIENT	-.00007	-10.86836	-.00227	-.00409	.01416	.00243	.00269

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC0055) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1380/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.008	-7.978	1.34949	34.90714	-0.1041	.02552	-.00750	-.00330	-.00400
-4.016	-3.948	1.34998	55.52302	-0.1235	.00667	.04481	.00658	.00364
-4.009	.022	1.35009	90.47841	-0.1322	-.01037	.09530	.01565	.01232
-4.009	4.090	1.35005	127.07010	-0.1906	-.02872	.14138	.02346	.02114
	GRADIENT	.00001	8.90055	-.00084	-.00440	.01201	.00210	.00218

RUN NO. 1381/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.014	1.34958	-.00681	.02504	-.01779	-.00896	-.00331	-.00711
.000	-4.093	1.35053	-.00690	.02315	-.00654	.05068	.00777	.00221
-.001	-.049	1.34985	-.00688	.01523	-.02264	.10959	.01810	.01258
-.002	3.971	1.34944	-.00676	.00512	-.04170	.15730	.02602	.02188
	GRADIENT	-.00014	.00002	-.00223	-.00436	.01322	.00226	.00244

RUN NO. 1382/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.991	-8.041	1.34961	150.65280	.04115	.00078	-.00088	-.00227	-.00976
3.999	-4.026	1.35014	133.43340	.03010	-.02262	.06436	.00955	-.00076
3.988	.018	1.35003	89.48561	.01652	-.03698	.12712	.02052	.00995
4.000	4.070	1.34998	45.10525	.00008	-.05276	.17773	.02894	.02055
	GRADIENT	-.00002	-10.90974	-.00371	-.00372	.01400	.00239	.00263

IA613A(AEDC 16TF-829) B/L DT + ASRM+PLUMES S1,3

(SC0056) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1385/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.005	-7.963	1.39971	34.98721	-0.0322	.02029	-0.00377	-0.00273	-0.00420
-4.016	-3.937	1.39997	55.76149	-0.0731	-0.00143	-0.04799	.00692	.00332
-4.006	-0.017	1.40013	90.24012	-0.0899	-0.01601	.09670	.01565	.01206
-3.992	3.998	1.40017	126.47270	-0.01613	-0.03433	.14002	.02297	.01995
	GRADIENT	.00003	8.91102	-0.00111	-0.00415	.01159	.00202	.00210

RUN NO. 1386/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.089	1.39950	-0.0682	.02771	.00867	-0.00752	-0.00329	-0.00764
.000	-4.859	1.39996	-0.0690	.02380	-0.00989	.03865	.00522	-0.00090
-0.000	-4.066	1.39984	-0.0691	.02206	-0.01488	.05148	.00763	.00095
-0.001	-0.046	1.39962	-0.0688	.01203	-0.02914	.10966	.01780	.01108
-0.002	3.964	1.39997	-0.0676	.00117	-0.04513	.15631	.02554	.02051
	GRADIENT	-0.00000	.00002	-0.00257	-0.00389	.01337	.00231	.00244

RUN NO. 1387/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-8.081	1.39958	150.65340	.04200	-0.00469	-0.00026	-0.00243	-0.00989
4.005	-4.012	1.40017	133.15530	.02659	-0.02875	.06019	.00852	-0.00225
3.992	-0.006	1.39970	89.56503	.00918	-0.04049	.12480	.01983	.00804
3.997	4.074	1.39973	45.02588	-0.01067	-0.05451	.17583	.02834	.01880
	GRADIENT	-0.00005	-10.89831	-0.00461	-0.00319	.01429	.00245	.00260

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC0057) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1388/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.933	-7.922	1.54966	34.83487	.00418	.00248	.00149	-.00220	-.00466
-3.921	-3.964	1.54946	55.32882	-.00453	-.01502	.04890	.00653	.00184
-3.905	.004	1.54901	90.75632	-.00844	-.02689	.09511	.01490	.01039
-3.907	3.943	1.54899	126.70690	-.01570	-.03981	.13188	.02126	.01797
	GRADIENT	-.00006	9.02632	-.00141	-.00313	.01049	.00186	.00204

RUN NO. 1389/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-7.978	1.54967	-.00677	.02590	-.00675	-.00109	-.00254	-.00771
.001	-3.969	1.54929	-.00688	.00876	-.02581	.04648	.00603	-.00163
-.001	.062	1.54880	-.00688	-.00363	-.03917	.10331	.01625	.00698
-.002	4.075	1.54937	-.00679	-.01724	-.05038	.15079	.02411	.01705
	GRADIENT	.00001	.00001	-.00323	-.00306	.01297	.00225	.00232

RUN NO. 1390/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.046	-8.123	1.54831	150.37980	.03177	-.01539	.00719	-.00188	-.00929
4.072	-4.166	1.55072	133.31890	.00764	-.03563	.05081	.00592	-.00430
4.092	.019	1.54939	88.73090	-.01512	-.04793	.11286	.01712	.00354
4.072	4.148	1.54893	45.02060	-.03518	-.05760	.16667	.02639	.01394
	GRADIENT	-.00022	-10.62075	-.00515	-.00264	.01394	.00246	.00219

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC0058) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1525/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.021	1.39899	-150.29930	.00236	.07727	-.02145	-.00686	-.00301	
-3.927	-4.004	1.40055	-133.34310	-.00393	.05835	.00308	.00457	
-3.847	-.080	1.39972	-89.44070	-.00630	.04144	.07889	.01237	
-3.979	3.956	1.39978	-45.47211	-.01243	.01891	.12194	.02062	
	GRADIENT	-.00010	11.03832	-.00107	-.00496	.01139	.00207	.00202

RUN NO. 1526/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.000	-8.107	1.39931	-.00691	.03424	.06929	-.02146	-.00666	-.00602
-.003	-4.080	1.39999	.03258	.02555	.04457	.03783	.00432	.00247
-.002	-.119	1.39979	.03272	.01561	.02607	.09632	.01464	.01246
-.000	4.005	1.39939	.03280	.00464	.00607	.14569	.02293	.02217
	GRADIENT	-.00007	.00003	-.00259	-.00476	.01333	.00230	.00244

RUN NO. 1527/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.029	-8.059	1.39983	150.37750	.04828	.05540	-.01187	-.00536	-.00766
3.911	-3.989	1.40069	133.74600	.02951	.02878	.04921	.00567	.00011
3.856	-.041	1.40022	90.24011	.01356	.01570	.11171	.01665	.01008
3.978	3.939	1.40014	45.66377	-.00700	.00012	.16296	.02528	.02033
	GRADIENT	-.00007	-11.10999	-.00461	-.00361	.01435	.00247	.00255

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3

(SC0059) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1529/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.114	-8.140	1.54801	-149.99060	.00801	.05501	-.01199	-.00538	-.00386
-4.009	-4.086	1.54934	-132.99030	-.00237	.03626	.03551	.00350	.00255
-3.936	-.068	1.54988	-88.68633	-.00630	.02227	.08178	.01202	.01063
-4.044	4.027	1.54886	-45.38800	-.01567	.00660	.11944	.01871	.01846
	GRADIENT	-.00006	10.79744	-.00164	-.00366	.01034	.00187	.00196

RUN NO. 1530/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.019	1.54825	.03253	.02952	.04348	-.01219	-.00518	-.00662
-.003	-3.971	1.54989	.03261	.01098	.02429	.03616	.00341	-.00025
-.002	.055	1.54902	.03272	-.00026	.01109	.09329	.01362	.00863
-.000	4.100	1.54851	.03277	-.01327	-.00098	.14209	.02176	.01878
	GRADIENT	-.00017	.00002	-.00301	-.00313	.01312	.00227	.00236

RUN NO. 1531/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.087	-8.146	1.54827	150.14490	.03342	.03492	-.00368	-.00450	-.00776
4.003	-4.059	1.54999	133.11540	.01057	.01716	.04187	.00348	-.00214
3.931	-.022	1.54962	89.32680	-.00909	.00538	.10128	.01416	.00568
4.047	4.017	1.54885	45.53973	-.02989	-.00582	.15620	.02367	.01564
	GRADIENT	-.00014	-10.84368	-.00501	-.00285	.01416	.00250	.00220

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SC0060) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1352/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
-4.005 -7.903 .59916 31.87409 .01151 .00643 .00135 -.00052 -.00531
-4.007 -3.999 .60043 52.34335 .00905 .00755 .04126 .00610 .00470
-4.004 .059 .60024 91.51099 .00724 .00763 .08386 .01330 .01575
-3.998 4.001 .60035 129.09750 .00723 .00151 .12652 .02101 .02590
GRADIENT -.00001 9.59478 -.00023 -.00075 .01066 .00186 .00265

RUN NO. 1353/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
-7.912 .59934 -.00681 .02076 .01040 .00872 -.00252 -.00659
-4.023 .60044 -.00688 .01928 .01026 .03270 .00484 .00420
.109 .60031 -.00689 .01847 .00941 .07900 .01299 .01634
3.982 .60067 -.00685 .01694 .00334 .12386 .02119 .02716
GRADIENT .00003 .00000 -.00029 -.00086 .01139 .00204 .00287

RUN NO. 1354/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
-8.090 .59871 153.33470 .03528 .01256 -.01128 -.00321 -.00708
-3.991 .60028 135.74130 .03311 .01070 .04059 .00590 .00619
3.989 -.032 .60058 89.44588 .03119 .00834 .08960 .01462 .01857
3.997 3.963 .60010 43.43401 .02762 .00176 .13725 .02356 .03014
GRADIENT -.00002 -11.60584 -.00069 -.00112 .01215 .00222 .00301

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (SC0061) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1356/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.009	-8.051	.89923	32.95177	-.01131	-.00065	-.00045	-.00138	-.00695
-4.004	-3.999	.90026	53.77467	-.01142	.00381	.04237	.00624	.00291
-4.000	.060	.89963	91.27269	-.01254	.01085	.08919	.01424	.01394
-3.998	3.998	.89965	127.54660	-.00887	.00619	.13853	.02267	.02521
	GRADIENT	-.00008	9.22502	.00032	.00030	.01202	.00205	.00279

RUN NO. 1357/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.061	.89955	-.00680	-.00091	.00411	-.01542	-.00407	-.00939
.000	-4.042	.89987	-.00689	.00164	.00758	.03300	.00451	.00281
-.000	-.048	.90013	-.00689	.00643	.01626	.08461	.01349	.01560
-.001	3.960	.89955	-.00683	.00639	.01081	.13575	.02211	.02770
	GRADIENT	-.00004	.00001	.00059	.00040	.01284	.00220	.00311

RUN NO. 1358/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-7.971	.89972	151.81330	.01526	.00703	-.00908	-.00326	-.00777
3.993	-4.068	.90042	134.98490	.01882	.01018	.04472	.00621	.00599
3.979	.029	.90025	88.77079	.02200	.01686	.10449	.01670	.02016
3.996	3.997	.89976	44.50862	.01967	.00646	.15337	.02466	.03114
	GRADIENT	-.00008	-11.21883	.00011	-.00045	.01348	.00229	.00312

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SC0062) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1359/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -8.007 MACH 1.09916 PHI 34.22974 CHEI -.02554 CHEO .02047 CNW -.03253 CBW -.00673 CTW -.00776
 -3.998 -4.008 1.09967 54.68921 -.02592 .02411 .01706 .00204 .00265
 -4.005 .020 1.10022 90.71670 -.02186 .02294 .07137 .01155 .01346
 -3.992 4.001 1.09970 126.94990 -.02029 .00426 .12662 .02166 .02267
 GRADIENT .00000 9.02311 .00070 -.00247 .01368 .00245 .00250

RUN NO. 1360/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -8.001 MACH 1.09942 PHI -.00681 CHEI .00457 CHEO .02883 CNW -.03425 CBW -.00703 CTW -.00792
 .000 -4.064 1.10109 -.00690 .00085 .03174 .02117 .00301 .00443
 .001 -.055 1.10055 -.00688 .00230 .02622 .08462 .01455 .01662
 .002 3.960 1.09981 -.00678 .00609 .00155 .14328 .02485 .02621
 GRADIENT -.00016 .00001 -.00086 -.00376 .01522 .00272 .00271

RUN NO. 1361/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -7.972 MACH 1.09817 PHI 150.89320 CHEI .01274 CHEO .03052 CNW -.01894 CBW -.00484 CTW -.00720
 3.995 -3.995 1.10089 133.51320 .00848 .03272 .04979 .00759 .00724
 3.990 .023 1.10103 89.04877 .01044 .01289 .11852 .01993 .01928
 4.000 4.010 1.09801 45.14505 .00804 -.01245 .17208 .02894 .02909
 GRADIENT -.00036 -11.03972 -.00005 -.00564 .01528 .00267 .00273

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SC0063) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1362/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.006	-7.975	1.14948	34.54832	-.02503	.01997	-.02646	-.00607	-.00636
-4.012	-3.964	1.15182	55.04623	-.02389	.02621	.02560	.00315	.00447
-4.002	.018	1.15057	90.35927	-.02106	.02226	.08156	.01338	.01432
-3.993	4.001	1.14971	126.71130	-.02105	.00020	.13328	.02246	.02317
	GRADIENT	-.00027	8.99734	.00036	-.00327	.01352	.00242	.00235

RUN NO. 1363/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-0.003	-8.054	1.14920	.03257	.00691	.02774	-.02988	-.00675	-.00714
-0.000	-4.036	1.15101	-.00691	.00518	.03455	.03276	.00479	.00547
-0.001	-.017	1.15009	-.00688	.00175	.01631	.09732	.01665	.01645
-0.002	3.970	1.14964	-.00677	-.00097	-.01015	.15158	.02611	.02563
	GRADIENT	-.00017	.00002	-.00077	-.00558	.01484	.00266	.00252

RUN NO. 1364/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.081	1.14705	151.05340	.01966	.03088	-.01410	-.00430	-.00698
3.994	-4.080	1.15099	134.18910	.01163	.02406	.06260	.00995	.00610
3.989	.009	1.15071	89.68417	.00986	-.00331	.12809	.02154	.01779
4.001	4.047	1.15035	45.06538	.01141	-.02440	.17807	.02950	.02784
	GRADIENT	-.00008	-10.96554	-.00003	-.00596	.01421	.00241	.00267

IA613A (AEDC 16TF-829) TABULATED FORCE DATA (SC0064) (13 APR 92)

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEAROX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1365/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.006	-7.974	1.24923	34.74783	-.00442	.02716	-.02308	-.00565	-.00417
-4.018	-3.946	1.25056	55.32418	-.00843	.02716	.03428	.00504	.00512
-4.008	-.003	1.25014	90.08127	-.00985	.00695	.08918	.01497	.01402
-3.989	4.007	1.24947	126.63160	-.01550	-.01708	.13812	.02344	.02221
	GRADIENT	-.00014	8.96670	-.00089	-.00556	.01306	.00231	.00215

RUN NO. 1366/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.059	1.24933	.03258	.03333	.02955	-.02154	-.00533	-.00583
.000	-4.049	1.25038	-.00690	.02484	.01531	.04257	.00685	.00434
-.001	-.028	1.25002	-.00688	.02141	-.00741	.10510	.01796	.01514
-.002	3.973	1.24993	-.00676	.00816	-.03118	.15506	.02647	.02417
	GRADIENT	-.00006	.00002	-.00208	-.00580	.01402	.00245	.00247

RUN NO. 1367/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-7.899	1.24905	150.33350	.04807	.01787	-.00243	-.00192	-.00809
3.995	-4.057	1.25013	133.79130	.03737	-.00545	.06527	.01035	.00242
3.995	.012	1.25003	89.60474	.02635	-.02711	.13199	.02184	.01429
4.000	4.081	1.24976	44.98585	.01518	-.04131	.18138	.03002	.02454
	GRADIENT	-.00004	-10.91179	-.00273	-.00441	.01427	.00242	.00272

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0065) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

MACH = .600 IEABOX = 180.000
IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 722/ O RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00
BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
-4.002 -7.897 .59891 31.99429 .01005 -.00018 -.00650 -.00009 -.00915
-4.001 -4.012 .59921 52.38344 .00752 .00056 .03544 .00707 .00119
-4.008 .105 .59980 92.10671 .00575 -.00167 .08056 .01496 .01223
-4.002 4.002 .60008 129.09770 .00428 -.00895 .12597 .02327 .02310
GRADIENT .00011 9.57261 -.00040 -.00118 .01129 .00202 .00273

RUN NO. 723/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
.001 -7.930 .59989 -.00682 .01753 .00342 -.01303 -.00159 -.01016
.000 -3.934 .60097 -.00689 .01437 .00266 .03221 .00662 .00136
-.000 .059 .60059 -.00689 .01436 -.00093 .07886 .01504 .01305
-.001 4.052 .60080 -.00685 .01258 -.00889 .12724 .02412 .02485
GRADIENT -.00002 .00001 -.00023 -.00145 .01190 .00219 .00294

RUN NO. 724/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
3.998 -8.042 .59911 153.17450 .02814 .00379 -.01253 -.00182 -.01041
3.996 -4.006 .60096 135.78120 .02567 .00162 .03990 .00764 .00252
3.994 -.045 .60064 89.68416 .02419 -.00286 .09143 .01707 .01557
4.000 3.967 .60002 43.51343 .02146 -.01192 .14140 .02668 .02765
GRADIENT -.00012 -11.57214 -.00053 -.00170 .01273 .00239 .00315

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0066) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 725/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.998	-8.007	.79974	32.59370	-.01370	-.00393	-.00690	-.00065	-.01046
-4.003	-3.963	.80049	53.61570	-.01336	-.00242	.03846	.00741	.00026
-4.004	.041	.80014	91.11384	-.01148	-.00252	.08608	.01558	.01179
-3.998	4.055	.79949	128.22260	-.00772	-.00719	.13790	.02487	.02417
	GRADIENT	-.00012	9.30442	.00070	-.00059	.01240	.00218	.00298

RUN NO. 726/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.026	.80000	-.00681	-.00236	.00098	-.01469	-.00251	-.01189
.000	-4.023	.79997	-.00689	-.00164	.00132	.03445	.00645	.00028
.000	.084	.79977	.03269	.00110	-.00025	.08662	.01574	.01346
-.001	4.086	.79902	-.00683	.00464	-.00657	.14114	.02581	.02664
	GRADIENT	-.00012	.00005	.00077	-.00097	.01316	.00239	.00325

RUN NO. 727/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.005	.80002	152.25360	.01482	.00246	-.00845	-.00178	-.01070
3.997	-4.039	.80037	135.18420	.01478	.00193	.04651	.00818	.00283
3.985	-.032	.80004	89.72388	.01538	-.00257	.10252	.01829	.01662
3.995	3.986	.79985	44.38931	.01782	-.00988	.16016	.02907	.03024
	GRADIENT	-.00007	-11.31425	.00038	-.00147	.01416	.00260	.00342

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0067) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 728/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.997	-8.055	.89927	32.99301	-.01583	-.00581	-.01445	-.00310	-.00989
-4.002	-3.990	.90007	53.97352	-.01794	-.00170	.03254	.00554	.00007
-4.001	.008	.90024	90.71669	-.02008	.00336	.08209	.01436	.01087
-3.991	3.994	.90003	127.38720	-.01820	-.00488	.13549	.02361	.02271
	GRADIENT	-.00000	9.19431	-.00003	-.00040	.01289	.00226	.00284

RUN NO. 729/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.034	.90011	-.00680	.00130	-.00805	-.02385	-.00473	-.01192
.000	-4.535	.90015	-.00688	.00086	-.00376	.02219	.00361	-.00127
.000	-3.900	.90007	-.00689	.00093	-.00313	.03099	.00521	.00071
-.000	.090	.89954	-.00689	.00465	.00350	.08684	.01544	.01317
.002	3.967	.89950	.03264	.01016	-.00565	.14036	.02457	.02569
	GRADIENT	-.00008	.00428	.00110	-.00006	.01391	.00247	.00317

RUN NO. 730/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.997	-7.984	.89977	151.73340	.02121	-.00785	-.01520	-.00353	-.01095
3.998	-4.048	.89999	134.70670	.02306	-.00273	.04405	.00724	.00299
3.980	.049	.90009	88.61193	.02118	.00268	.10762	.01861	.01724
3.997	4.005	.89971	44.70758	.02497	-.01248	.16138	.02766	.02928
	GRADIENT	-.00003	-11.17592	.00023	-.00120	.01457	.00254	.00327

IA613A(AEDC 16TF-829) B/L QT + ASRM, PLUMES OFF

(SC0068) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 732/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.996	-8.059	.94921	33.27246	-.03076	-.00869	-.01850	-.00389	-.01035
-4.009	-3.996	.95018	54.25141	-.02311	-.00947	.02954	.00503	-.00038
-4.003	-.002	.94988	90.43870	-.02529	-.01220	.08057	.01429	.00999
-3.988	3.985	.94980	127.06890	-.02391	-.01676	.13561	.02453	.02058
	GRADIENT	-.00005	9.12403	-.00010	-.00091	.01329	.00244	.00263

RUN NO. 733/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.036	.95019	-.00683	-.00745	-.00909	-.02885	-.00558	-.01216
.000	-4.026	.95022	-.00689	-.00234	-.01073	.02551	.00451	-.00018
-.001	-.022	.95004	-.00689	-.00431	-.00751	.08175	.01482	.01194
-.001	4.074	.94810	-.00682	.00435	-.02164	.14503	.02602	.02399
	GRADIENT	-.00026	.00001	.00083	-.00135	.01476	.00266	.00298

RUN NO. 734/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-7.942	.94960	151.37320	.00675	-.01168	-.01697	-.00376	-.01082
3.998	-4.041	.95012	134.42820	.01372	-.00713	.04271	.00725	.00288
3.996	-.001	.95054	89.44588	.01544	-.01079	.10786	.01909	.01640
3.999	3.998	.94905	44.90639	.01415	-.02862	.16601	.02883	.02741
	GRADIENT	-.00013	-11.13659	.00005	-.00267	.01534	.00269	.00305

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(SC0069) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 735/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.997	-7.964	1.04957	34.27002	-.02437	-.00586	-.03469	-.00632	-.00971
-4.007	-3.961	1.05060	54.84772	-.03190	-.00185	.01889	.00350	.00066
-4.002	-.006	1.05018	90.12097	-.02936	-.00167	.07368	.01316	.01181
-3.999	4.084	1.05011	127.14900	-.03099	-.02375	.13431	.02433	.02216
	GRADIENT	-.00006	8.98808	.00011	-.00274	.01435	.00259	.00267

RUN NO. 736/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.037	1.05112	-.00684	-.00067	-.00184	-.03654	-.00673	-.01057
-.000	-4.035	1.05064	-.00691	-.01102	.00219	.02238	.00431	.00157
-.001	-.023	1.04965	-.00688	-.00776	.00021	.08718	.01622	.01429
-.002	3.980	1.04968	-.00677	-.02934	-.02093	.14844	.02664	.02459
	GRADIENT	-.00012	.00002	-.00228	-.00288	.01573	.00279	.00287

RUN NO. 737/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-8.068	1.04979	151.13360	.01126	.00010	-.02506	-.00484	-.01085
3.997	-4.012	1.05097	133.75160	.00138	.00419	.05013	.00896	.00408
3.994	.019	1.05033	89.56503	.00160	-.00893	.12143	.02162	.01709
3.995	3.989	1.04978	45.58307	-.01805	-.04176	.18114	.03172	.02707
	GRADIENT	-.00015	-11.01964	-.00242	-.00574	.01638	.00284	.00287

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0070) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 738/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.997	-8.095	1.09720	33.91085	.00371	-.00275	-.04448	-.00772	-.00926
-4.011	-3.961	1.10108	55.12577	-.00868	.00033	.00993	.00224	.00105
-4.001	-.000	1.10037	90.39897	-.01475	.00020	.06489	.01196	.01185
-3.997	4.095	1.09979	127.34770	-.03168	-.02240	.12512	.02294	.02131
	GRADIENT	-.00016	8.96600	-.00286	-.00284	.01430	.00257	.00251

RUN NO. 739/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.044	1.10170	-.00680	.02520	-.00150	-.04144	-.00729	-.00966
.000	-4.739	1.10104	-.00689	.01215	.00110	.00658	.00178	-.00004
.000	-4.041	1.10007	-.00690	.01078	.00146	.01664	.00361	.00224
-.001	-.026	1.10028	-.00688	.00332	-.00128	.08213	.01566	.01455
-.002	3.968	1.09914	-.00680	-.01508	-.02291	-.14119	.02596	.02417
	GRADIENT	-.00016	.00001	-.00303	-.00263	.01557	.00280	.00280

RUN NO. 740/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-8.069	1.10038	151.05330	.03701	-.00071	-.02666	-.00511	-.01000
3.997	-4.075	1.10049	133.99040	.01985	.00455	.04463	.00807	.00387
3.996	.013	1.10051	89.32674	.00397	-.01102	.11695	.02103	.01641
4.003	4.061	1.09966	45.06527	-.00089	-.04379	-.17541	.03118	.02669
	GRADIENT	-.00010	-10.93026	-.00255	-.00594	.01608	.00284	.00281

IA613A(AEDC 16TF-829) B/L 0T + ASRM, PLUMES OFF

(SC0071) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 741/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.996	-7.961	1.14755	34.58929	.00165	-.00291	-.03839	-.00701	-.00783
-4.014	-3.954	1.15084	55.16537	-.00384	.00081	.01656	.00298	.00253
-4.002	-.009	1.14981	90.08127	-.01086	-.00046	.07402	.01359	.01242
-3.989	4.006	1.14979	126.55210	-.02737	-.02225	.12845	.02315	.02154
	GRADIENT	-.00013	8.96863	-.00296	-.00290	.01406	.00253	.00239

RUN NO. 742/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.060	1.15041	.03257	.02872	-.00329	-.03757	-.00704	-.00861
-.000	-4.055	1.15170	-.00690	.01835	.00252	.02658	.00507	.00321
-.001	-.038	1.15042	-.00688	.01046	-.01092	.09192	.01721	.01403
-.002	4.079	1.14856	-.00678	-.00530	-.03375	.14874	.02699	.02370
	GRADIENT	-.00039	.00002	-.00291	-.00446	.01501	.00269	.00252

RUN NO. 743/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-8.045	1.14790	150.89310	.04523	-.00128	-.02005	-.00442	-.00904
4.004	-4.022	1.15203	133.59300	.02759	-.00593	.05740	.01027	.00324
3.995	.013	1.15113	89.64445	.01395	-.02580	.12441	.02217	.01507
4.004	4.093	1.14956	44.98559	.00186	-.05494	.18078	.03169	.02516
	GRADIENT	-.00031	-10.91980	-.00317	-.00604	.01520	.00264	.00270

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0072) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

MACH = 1.250 IEABOX = 180.000
IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 745/ O RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.005	-7.964	1.24881	34.82772	.02262	-.00085	-.03214	-.00637	-.00528
-4.015	-3.941	1.24930	55.44355	.01280	-.00238	.02602	.00479	.00345
-4.003	-.008	1.24983	90.08127	.00452	-.01760	.08205	.01507	.01203
-3.986	3.998	1.25035	126.47240	-.01062	-.03479	.13205	.02357	.02061
	GRADIENT	.00013	8.94723	-.00295	-.00408	.01335	.00237	.00216

RUN NO. 746/ O RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.001	-8.060	1.25028	-.00684	.04352	-.00047	-.02711	-.00550	-.00680
-.000	-4.039	1.25038	-.00691	.03181	-.01323	.03659	.00684	.00259
-.001	-.024	1.24955	-.00688	.02315	-.03113	.09943	.01821	.01275
.001	3.969	1.25029	.03273	.00754	-.04735	.15009	.02667	.02224
	GRADIENT	-.00001	.00494	-.00303	-.00426	.01417	.00248	.00245

RUN NO. 747/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.997	-8.069	1.24960	150.73340	.05287	-.00681	-.01148	-.00294	-.01027
4.002	-4.032	1.25041	133.39390	.03948	-.02998	.05941	.01026	-.00021
3.995	.007	1.25035	89.60474	.02608	-.04481	.12709	.02198	.01147
4.007	4.096	1.24987	45.06501	.00732	-.06312	.17934	.03081	.02194
	GRADIENT	-.00007	-10.86799	-.00396	-.00408	.01475	.00253	.00272

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0073) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1427/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-7.967	1.24944	34.86808	.02822	.02163	-.04049	-.00807	-.00492
-4.015	-3.945	1.25010	55.52306	.01781	.02136	.01846	.00296	.00405
-3.998	-.005	1.25041	90.16070	.01107	.00349	.07689	.01355	.01293
-3.988	3.995	1.24988	126.51230	-.00341	-.01929	.12781	.02238	.02148
GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT
			8.94105	-.00267	-.00512	.01377	.00245	.00219

RUN NO. 1428/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.038	1.25007	-.00680	.05006	.02196	-.03423	-.00706	-.00644
.001	-5.156	1.25035	-.00688	.04190	.01337	.01181	.00170	.00044
.000	-4.030	1.25005	-.00690	.03865	.00830	.03034	.00518	.00331
-.001	-.018	1.24963	-.00688	.03114	-.01227	.09475	.01665	.01381
-.002	3.974	1.24971	-.00677	.01478	-.03373	.14792	.02565	.02325
GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT
			.00002	-.00298	-.00525	.01469	.00256	.00249

RUN NO. 1429/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-8.087	1.24929	150.85310	.05986	.01356	-.01825	-.00433	-.00943
3.999	-4.108	1.25015	133.95070	.04781	-.01249	.05348	.00874	.00090
3.995	.016	1.25009	89.40618	.03315	-.03176	.12383	.02082	.01273
4.004	4.083	1.24914	45.02540	.01506	-.04768	.17674	.02961	.02326
GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT
			-10.85627	-.00400	-.00430	.01505	.00255	.00273

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0074) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1431/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.999	-7.958	1.29979	34.94799	.03559	.02450	-.03370	-.00707	-.00384
-4.020	-3.942	1.30005	55.64205	.02343	.01123	.02373	.00383	.00386
-3.997	-.013	1.29996	90.16070	.01451	-.00710	.07963	.01388	.01230
-3.983	3.996	1.29974	126.51200	.00173	-.02741	.12756	.02213	.02092
	GRADIENT	-.00004	8.92871	-.00274	-.00487	.01308	.00231	.00215

RUN NO. 1432/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.063	1.29976	-.00680	.05101	.01901	-.02819	-.00601	-.00669
.000	-4.039	1.30001	-.00689	.04083	-.00425	.03463	.00575	.00255
-.000	-.022	1.30009	.03269	.03054	-.02236	.09779	.01689	.01253
-.002	3.970	1.30016	-.00678	.01531	-.04195	.14975	.02560	.02188
	GRADIENT	.00002	.00002	-.00319	-.00471	.01438	.00248	.00241

RUN NO. 1433/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-8.078	1.29955	150.73320	.05971	.00436	-.01646	-.00434	-.00993
4.003	-4.020	1.30027	133.27460	.04679	-.02272	.05321	.00840	-.00044
3.996	.021	1.30025	89.40618	.02640	-.03918	.12218	.02027	.01051
4.005	4.094	1.29976	45.02535	.00620	-.05543	.17696	.02940	.02121
	GRADIENT	-.00006	-10.87636	-.00500	-.00403	.01525	.00259	.00267

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0075) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1435/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.001	1.34953	34.86794	.04180	.02410	-.02940	-.00631	-.00398	-.00398
-4.002	1.35011	55.12624	.02965	.00219	.02483	.00384	.00329	.00329
-3.999	1.34992	90.31955	.01802	-.01367	.08048	.01389	.01177	.01177
-3.983	1.34965	126.47230	.00473	-.03224	.12899	.02217	.02063	.02063
GRADIENT	-.00006	8.90086	-.00311	-.00430	.01300	.00229	.00216	.00216

RUN NO. 1436/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	1.34944	-.00681	.05241	.01474	-.02551	-.00556	-.00717	-.00717
.000	1.35053	-.00690	.04193	-.01231	.03697	.00589	.00172	.00172
-.000	1.34984	.03270	.02761	-.02840	.09812	.01665	.01136	.01136
-.002	1.34948	-.00676	.01257	-.04638	.14951	.02519	.02090	.02090
GRADIENT	-.00013	.00002	-.00367	-.00425	.01405	.00241	.00239	.00239

RUN NO. 1437/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.997	-8.084	1.34933	150.69340	.05891	-.00247	-.01448	-.00426	-.01013
4.001	-4.001	1.34995	133.11530	.04182	-.02945	.05320	.00807	-.00185
4.000	-.001	1.34996	89.52532	.01837	-.04309	.11753	.01927	.00821
4.000	4.042	1.34974	45.30419	-.00469	-.05776	.17215	.02834	.01902
GRADIENT	-.00003	-10.91787	-.00578	-.00352	.01479	.00252	.00260	.00260

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(SC0076) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1438/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	-7.957	1.40011	35.10718	.04801	.01930	-.02370	-.00534	-.00401
-4.017	-3.943	1.40013	55.96015	.03393	-.00550	.02905	.00445	.00316
-4.007	.002	1.40019	90.51812	.01893	-.02110	.08258	.01404	.01149
-3.982	3.991	1.40011	126.43250	.00382	-.03841	.12853	.02185	.01933
GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT
-.00000	8.88252	-.00380	-.00415	-.00380	-.00415	.01254	.00219	.00204

RUN NO. 1439/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.091	1.39962	-.00682	.05190	.00602	-.02239	-.00524	-.00758
.000	-4.865	1.40001	-.00690	.04046	-.01432	.02417	.00320	-.00139
-.000	-4.026	1.40031	-.00691	.03706	-.01955	.03726	.00563	.00043
-.001	-.033	1.39975	-.00688	.01913	-.03587	.09835	.01632	.00979
-.002	3.965	1.39990	-.00676	.00385	-.05012	.14887	.02472	.01933
GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT
-.00003	.00002	-.00418	-.00400	-.00418	-.00400	.01420	.00245	.00235

RUN NO. 1440/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-8.082	1.40004	150.61370	.05633	-.00694	-.01237	-.00419	-.01002
4.009	-4.050	1.40031	133.27490	.03459	-.03550	.04813	.00680	-.00335
3.998	.020	1.40049	89.04876	.00812	-.04683	.11503	.01855	.00627
4.000	4.045	1.40013	45.26441	-.01573	-.05902	.16917	.02761	.01717
GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT
-.00002	-10.87271	-.00622	-.00291	-.00622	-.00291	.01496	.00257	.00253

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0077) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = 180.000
IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1441/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.940	-7.936	1.54891	34.87407	.05171	.00361	-.01630	-.00446	-.00459
-3.917	-3.971	1.54955	55.40850	.03179	-.01604	.03102	.00416	.00150
-3.901	-.025	1.54931	90.71660	.01442	-.03286	.08100	.01313	.00957
-3.919	3.934	1.54959	126.58830	-.00431	-.04465	.12183	.02013	.01702
	GRADIENT	.00000	9.00420	-.00457	-.00362	.01149	.00202	.00196

RUN NO. 1442/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.943	1.54887	.03260	.04522	-.00745	-.01341	-.00422	-.00741
-.001	-3.940	1.54991	.03266	.02054	-.02913	.03411	.00424	-.00168
-.000	-.068	1.54908	.03269	-.00206	-.04672	.09212	.01454	.00603
-.001	4.054	1.54885	-.00681	-.01829	-.05564	.14296	.02307	.01598
	GRADIENT	-.00013	-.00493	-.00486	-.00332	.01362	.00236	.00221

RUN NO. 1443/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.042	-8.147	1.54870	150.45920	.03788	-.01662	-.00525	-.00371	-.00950
4.071	-4.160	1.55000	133.15970	.01043	-.03866	.03930	.00408	-.00449
4.098	.019	1.54937	88.57201	-.01729	-.05461	.10343	.01560	.00262
4.069	4.115	1.54922	45.21978	-.04001	-.06232	.15988	.02540	.01261
	GRADIENT	-.00009	-10.62700	-.00610	-.00286	.01457	.00258	.00207

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0078) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1559/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.040	-8.050	1.39943	35.10338	.05293	.08378	-.03691	-.00896	-.00258
-4.063	-3.921	1.39987	56.55417	.03678	.05367	.01832	.00126	.00494
-4.071	-.014	1.40069	90.55788	.01968	.03255	.07242	.01093	.01320
-4.053	3.987	1.39965	126.27710	.00558	.00822	.11958	.01905	.02106
	GRADIENT	-.00003	8.81737	-.00394	-.00575	.01280	.00225	.00204

RUN NO. 1560/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-8.018	1.39952	-.00712	.05543	.06743	-.03324	-.00834	-.00581
-.003	-4.879	1.39979	-.00709	.04171	.04124	.01304	.00003	.00021
-.004	-4.010	1.40021	-.00707	.03758	.03531	.02666	.00252	.00215
-.005	-.034	1.39961	-.00682	.02035	.01577	.08801	.01322	.01145
-.006	4.002	1.39889	-.00649	.00541	-.00273	.13955	.02193	.02103
	GRADIENT	-.00012	.00007	-.00409	-.00490	.01432	.00248	.00235

RUN NO. 1561/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.000	-8.046	1.39997	150.41400	.05931	.05212	-.02256	-.00730	-.00807
3.987	-4.024	1.39988	133.03480	.03595	.01920	.03765	.00363	-.00137
3.977	.010	1.40044	88.81050	.00961	.00567	.10501	.01538	.00823
3.988	4.047	1.39973	45.02652	-.01525	-.00947	.16032	.02471	.01898
	GRADIENT	-.00002	-10.90442	-.00634	-.00355	.01520	.00261	.00252

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0079) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1563/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.982	-7.934	1.54903	35.18896	.05371	.05463	-.02492	-.00709	-.00307
-3.977	-3.871	1.54918	56.59791	.03133	.03199	.02405	.00172	.00312
-3.966	-.015	1.54897	90.99464	.01444	.01375	.07335	.01048	.01119
-3.980	3.943	1.54971	126.55160	-.00378	-.00225	.11431	.01758	.01867
	GRADIENT	.00007	8.95170	-.00449	-.00438	.01154	.00203	.00199

RUN NO. 1564/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.988	1.54922	-.00712	.04556	.04158	-.02218	-.00685	-.00604
-.004	-3.934	1.55008	-.00705	.01957	.01740	.02567	.00160	-.00017
-.005	.070	1.54907	-.00681	-.00166	.00035	.08340	.01169	.00781
-.005	4.070	1.54731	-.00655	-.01759	-.01024	.13498	.02043	.01766
	GRADIENT	-.00035	.00006	-.00464	-.00345	.01366	.00235	.00223

RUN NO. 1565/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.046	-8.125	1.54866	150.29970	.03751	.03238	-.01273	-.00630	-.00774
4.061	-4.089	1.54841	132.56220	.01116	.01247	.03135	.00132	-.00256
4.083	.021	1.54993	88.17487	-.01576	-.00497	.09370	.01255	.00449
4.061	4.094	1.54893	45.14075	-.03860	-.01546	.15072	.02255	.01425
	GRADIENT	.00006	-10.68378	-.00608	-.00341	.01459	.00260	.00205

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(SC0080) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 756/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.999	-8.037	.60009	31.39551	-.00194	-.00107	.00209	.00095	-.00856
-3.999	-4.000	.59999	52.26428	-.00324	.00010	.04283	.00800	.00171
-4.005	.051	.60102	91.31242	-.00428	-.00245	.08590	.01551	.01252
-4.004	3.901	.60012	128.18320	-.00452	-.00959	.12881	.02325	.02311
	GRADIENT	.00002	9.60901	-.00016	-.00122	.01088	.00193	.00271

RUN NO. 757/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-7.941	.59991	-.00681	.00812	.00293	-.00656	-.00073	-.00972
.000	-3.929	.60042	-.00689	.00634	.00249	.03678	.00708	.00156
-.000	.073	.60083	-.00689	.00529	-.00094	.08256	.01532	.01318
-.001	4.051	.60032	-.00684	.00400	-.00845	.12911	.02406	.02471
	GRADIENT	-.00001	.00001	-.00029	-.00137	.01157	.00213	.00290

RUN NO. 758/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-8.048	.59955	153.25480	.02013	.00278	-.00651	-.00120	-.00980
3.999	-4.007	.60103	135.90070	.01859	.00087	.04413	.00791	.00294
3.994	-.043	.60042	89.92244	.01654	-.00329	.09437	.01714	.01569
3.996	4.003	.60007	43.27489	.01370	-.01164	.14323	.02556	.02762
	GRADIENT	-.00012	-11.56470	-.00061	-.00156	.01237	.00233	.00308

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SC0081) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 760/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -3.997 -8.037 .79964 32.35421 -.01690 -.00460 .00531 .00095 -.00923
 -4.005 -3.957 .80025 53.41682 -.01545 -.00223 .04792 .00846 .00125
 -4.004 .060 .79994 91.15355 -.01432 -.00263 .09284 .01624 .01241
 -3.994 3.999 .79982 127.82480 -.01195 -.00901 .14165 .02497 .02446
 GRADIENT -.00005 9.35306 .00044 -.00085 .01178 .00208 .00292

RUN NO. 761/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 .001 -7.904 .79994 -.00681 -.00685 .00003 -.00498 -.00114 -.01081
 .000 -3.927 .80054 -.00689 -.00639 .00070 .04122 .007^1 .00093
 -.001 .089 .79984 -.00689 -.00419 -.00079 .09019 .01601 .01352
 -.001 4.097 .79929 -.00682 -.00232 -.00750 .14222 .02561 .02633
 GRADIENT -.00016 .00001 .00051 -.00102 .01259 .00229 .00317

RUN NO. 762/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 3.996 -8.019 .79967 152.41350 .00897 .00139 -.00195 -.00105 -.01005
 3.996 -4.036 .80079 135.34330 .01007 .00069 .05145 .00856 .00334
 3.985 -.046 .80040 90.12100 .01106 -.00321 .10539 .01840 .01669
 4.006 3.924 .79982 44.82626 .01140 -.01007 .15836 .02848 .02967
 GRADIENT -.00012 -11.37104 .00017 -.00135 .01343 .00250 .00331

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(SC0082) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

MACH = 976.0000 IN. XT
IB-ELV = .0000 IN. YT
MACH = 400.0000 IN. ZT
MACH = 976.0000 IN. XT
IB-ELV = 10.0000
MACH = 180.0000
IB-ELV = 9.0000

PARAMETRIC DATA

RUN NO. 765/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
-3.993 -8.076 .89956 32.75384 -.02055 -.00734 -.00059 -.00102 -.00913
-4.006 -3.987 .90035 53.81430 -.01939 -.00514 .04431 .00725 .00080
-4.005 .105 .90008 91.55070 -.02193 -.00268 .09414 .01610 .01181
-3.992 4.003 .89989 127.34750 -.01948 -.00796 .14717 .02561 .02345
GRADIENT -.00006 9.20387 -.00002 -.00034 .01287 .00230 .00283

RUN NO. 766/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
.001 -7.910 .90074 -.00683 -.01312 -.00596 -.01199 -.00302 -.01175
.000 -4.528 .90005 -.00690 -.01064 -.00402 .03035 .00475 -.00163
-.002 -3.906 .89981 .03265 -.00991 -.00349 .03814 .00620 .00031
-.000 -.016 .89992 .03269 -.00705 .00178 .09057 .01567 .01272
.001 3.966 .89963 -.00682 -.00428 -.00549 .14329 .02471 .02555
GRADIENT -.00003 -.00142 .00074 -.00005 .01333 .00236 .00320

RUN NO. 767/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
3.998 -7.986 .89964 151.85360 .00117 -.00568 -.00511 -.00219 -.01096
3.996 -4.036 .90052 134.82600 .00482 -.00321 .05024 .00794 .00291
3.980 .031 .90033 89.00906 .00902 .00060 .11242 .01939 .01719
4.002 3.992 .89969 44.74701 .00813 -.01125 .16039 .02711 .02899
GRADIENT -.00010 -11.22032 .00041 -.00099 .01373 .00239 .00325

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (SC0083) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

MACH = .950 IEABOX = 180.000
IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 768/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.998	-8.070	.94836	33.19241	-.01975	-.00691	-.00494	-.00212	-.00846
-4.004	-3.923	.95022	54.68889	-.01851	-.00061	.03944	.00610	.00113
-4.003	-.008	.95023	90.43870	-.02165	.00289	.08714	.01472	.01125
-3.987	3.988	.94976	127.22790	-.02160	-.00906	.13720	-.02326	.02230
	GRADIENT	-.00006	9.16938	-.00039	-.00107	.01236	.00217	.00268

RUN NO. 769/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.035	.95002	-.00681	-.01247	-.00606	-.00444	-.00444	-.01202
.000	-4.021	.95077	-.00690	-.00850	-.00112	.03102	.00480	-.00001
-.001	.094	.95116	-.00688	-.00386	.00368	.08720	.01499	.01264
-.001	3.974	.94958	-.00683	-.00212	-.00782	.14117	.02398	.02458
	GRADIENT	-.00015	.00001	.00080	-.00082	.01378	.00240	.00308

RUN NO. 770/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.994	-7.988	.94913	151.61300	.00339	-.00758	-.01196	-.00335	-.01098
3.997	-4.053	.94977	134.58730	.00712	-.00247	.04762	.00751	.00304
3.983	.074	.95287	88.29424	.01704	.00086	.11111	.01887	.01709
4.000	3.990	.94807	44.78689	.01546	-.01582	.16140	.02706	.02799
	GRADIENT	-.00020	-11.16552	.00105	-.00164	.01416	.00243	.00310

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (S00084) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 778/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.997	-8.010	1.04814	34.07056	-.04786	-.01358	-.01656	-.00424	-.00972
-3.998	-4.014	1.05130	54.33144	-.04112	-.00993	.03357	.00512	.00079
-4.006	-.013	1.04991	89.92242	-.03270	-.01353	.08758	.01478	.01192
-3.985	3.991	1.04964	126.51210	-.03105	-.02389	.14589	.02548	.02230
	GRADIENT	-.00021	9.01753	.00126	-.00174	.01403	.00254	.00269

RUN NO. 779/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-7.923	1.04833	.03254	-.02097	-.00593	-.02125	-.00516	-.01004
-.001	-4.029	1.05158	-.00693	-.02283	-.00140	.03333	.00525	.00173
-.002	-.017	1.05105	-.00688	-.01876	-.00319	.09674	.01690	.01433
-.002	4.082	1.04940	-.00673	-.01558	-.03294	.15664	.02717	.02482
	GRADIENT	-.00027	.00002	.00089	-.00390	.01520	.00270	.00285

RUN NO. 780/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-8.059	1.04705	151.25310	-.00315	-.00310	-.01277	-.00399	-.01059
3.997	-4.068	1.05352	134.34850	-.01313	.00051	.06038	.00966	.00407
3.993	.006	1.05074	90.12100	-.01520	-.01325	.12907	.02173	.01682
4.004	4.058	1.04948	45.18457	-.00772	-.04831	.18333	.03078	.02716
	GRADIENT	-.00050	-10.97283	.00066	-.00601	.01513	.00260	.00284

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SC0085) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 782/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.996	-8.082	1.09723	33.87108	-.03768	-.00819	-.02910	-.00591	-.00988
-4.009	-3.955	1.10231	55.00663	-.03954	-.00501	.02412	.00385	.00061
-4.005	-.017	1.10044	90.12097	-.03776	-.00861	.07682	.01330	.01109
-3.983	3.992	1.09952	126.71080	-.03623	-.03036	.13519	.02416	.02058
	GRADIENT	-.00035	9.02380	.00042	-.00320	.01398	.00256	.00251

RUN NO. 783/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.060	1.10056	-.00684	-.01735	-.00239	-.03060	-.00634	-.01052
-.000	-4.760	1.10186	-.00691	-.02033	.00049	.01622	.00256	-.00076
-.002	-4.038	1.10043	.03263	-.02026	.00086	.02661	.00443	.00169
-.001	-.027	1.09973	-.00688	-.02146	.00237	.09026	.01622	.01380
-.002	3.972	1.09978	-.00677	-.03261	-.02611	.14876	.02638	.02345
	GRADIENT	-.00019	-.00227	-.00133	-.00291	.01526	.00275	.00278

RUN NO. 784/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.034	1.09892	151.05350	-.00061	-.00090	-.01764	-.00446	-.01048
4.002	-4.011	1.10103	133.67240	-.00405	.00343	.05331	.00873	.00374
3.995	.014	1.10082	89.48560	-.01468	-.00783	.12154	.02087	.01614
4.002	4.063	1.09992	45.02552	-.02899	-.04235	.17943	.03106	.02580
	GRADIENT	-.00014	-10.97817	-.00309	-.00567	.01562	.00276	.00273

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(SC0086) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

MACH = 1.150 IEABDX = 180.000
IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 785/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	-8.078	1.14742	34.14981	-.03637	-.00799	-.02426	-.00550	-.00863
-4.020	-3.947	1.15129	55.20484	-.03681	-.00397	.03047	.00458	.00198
-4.002	-.008	1.15002	90.04156	-.03525	-.00588	.08532	.01475	.01168
-4.001	4.087	1.14945	127.10940	-.03492	-.03356	.14082	.02470	.02106
	GRADIENT	-.00023	8.95056	.00023	-.00370	.01373	.00250	.00237

RUN NO. 786/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.030	1.14853	-.00682	-.01450	-.00405	-.02604	-.00597	-.00932
-.000	-4.053	1.15224	-.00691	-.01512	.00251	.03606	.00585	.00254
-.001	-.033	1.15125	-.00688	-.01484	-.01039	.09984	.01775	.01346
-.002	4.092	1.14909	-.00675	-.03002	-.03074	.15521	.02713	.02317
	GRADIENT	-.00039	.00002	-.00184	-.00409	.01462	.00261	.00253

RUN NO. 787/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.090	1.14649	151.09340	.00252	-.00164	-.01275	-.00408	-.00972
3.999	-4.007	1.15127	133.71200	-.00683	-.00545	.06479	.01075	.00289
3.994	.007	1.15166	89.92245	-.00667	-.02212	.12844	.02206	.01486
4.004	4.077	1.14969	45.06516	-.02234	-.05120	.18297	.03103	.02491
	GRADIENT	-.00020	-10.96610	-.00192	-.00566	.01462	.00251	.00272

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(SC0087) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 788/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -4.000 -7.964 1.24888 34.74841 -.01719 -.00385 -.01928 -.00500 -.00582
 -4.012 -3.952 1.25044 55.28474 -.02087 -.00474 .03728 .00598 .00285
 -4.008 -.009 1.25024 90.04155 -.02324 -.01834 .09118 .01586 .01152
 -3.989 4.001 1.24980 126.47260 -.03148 -.03756 .14011 .02417 .02012
 GRADIENT -.00008 8.95147 -.00134 -.00413 .01293 .00229 .00217

RUN NO. 789/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 .001 -8.075 1.24943 -.00682 .01220 -.00055 -.01911 -.00489 -.00754
 -.000 -4.041 1.25050 -.00691 .00387 -.01346 .04407 .00743 .00205
 -.001 -.024 1.25014 -.00688 -.00005 -.03077 .10538 .01861 .01229
 -.002 4.091 1.24921 -.00674 -.00836 -.04492 .15517 .02696 .02213
 GRADIENT -.00016 .00002 -.00151 -.00387 .01366 .00240 .00247

RUN NO. 790/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 3.997 -8.082 1.24904 150.85350 .02587 -.00653 -.00572 -.00263 -.01068
 3.997 -4.090 1.25065 134.03020 .01405 -.02945 .06419 .01040 -.00053
 4.000 .014 1.25014 89.68417 .00690 -.04299 .13012 .02200 .01128
 4.010 4.100 1.25061 45.02498 -.00337 -.06049 .18117 .03063 .02191
 GRADIENT -.00001 -10.86838 -.00213 -.00379 .01429 .00247 .00274

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC0088) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1400/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.001	-7.961	1.24951	34.78822	-.02786	.01123	-.02508	-.00552	-.00626
-4.015	-3.937	1.25040	55.44358	-.02717	.01452	.03123	.00509	.00289
-4.002	.032	1.24995	90.39898	-.02649	-.00106	.08605	.01514	.01177
-3.986	3.996	1.24986	126.51220	-.02544	-.02355	.13570	.02363	.02069
	GRADIENT	-.00007	8.95880	.00022	-.00480	.01317	.00234	.00224

RUN NO. 1401/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.051	1.24945	-.00681	-.00386	.02034	-.02812	-.00608	-.00806
.000	-5.154	1.25009	-.00689	-.00477	.01275	.01663	.00251	-.00096
.000	-4.063	1.25006	-.00690	-.00462	.00796	.03413	.00585	.00185
-.001	-.026	1.25008	-.00688	-.00494	-.01207	.09749	.01724	.01244
-.002	4.102	1.24932	-.00675	-.01148	-.02869	.14897	.02594	.02239
	GRADIENT	-.00009	.00002	-.00084	-.00449	.01406	.00246	.00252

RUN NO. 1402/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-8.103	1.24942	150.97310	.00826	.01348	-.01351	-.00356	-.01069
4.003	-4.001	1.25013	133.47350	.00291	-.01185	.05846	.00970	.00004
3.999	.003	1.25021	89.76360	.00504	-.02511	.12142	.02065	.01174
4.006	4.086	1.24966	44.98543	-.00184	-.04238	.17238	.02924	.02242
	GRADIENT	-.00006	-10.94212	-.00059	-.00378	.01408	.00242	.00277

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC0089) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1405/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -4.002 -8.018 1.29953 34.70832 -.02191 .01782 -.02213 -.00515 -.00547
 -4.016 -3.945 1.30042 55.48325 -.02244 .00661 .03414 .00561 .00260
 -4.001 -.009 1.30023 90.08127 -.02250 -.00873 .08666 .01512 .01130
 -3.986 3.999 1.29953 126.51220 -.02636 -.02685 .13361 .02313 .02008
 GRADIENT -.00011 8.94197 -.00049 -.00421 .01252 .00221 .00220

RUN NO. 1407/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 .001 -8.090 1.29956 -.00683 .00458 .01846 -.02446 -.00525 -.00834
 -.000 -4.047 1.30040 -.00691 .00363 -.00447 .03699 .00635 .00113
 -.001 -.019 1.30027 -.00688 .00071 -.02200 .09812 .01728 .01121
 -.002 3.973 1.29948 -.00675 -.00542 -.03529 .14736 .02546 .02088
 GRADIENT -.00011 .00002 -.00113 -.00384 .01376 .00238 .00246

RUN NO. 1408/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 3.998 -8.086 1.29899 150.81360 .01946 .00494 -.01421 -.00378 -.01121
 4.002 -4.026 1.30018 133.51320 .01221 -.02194 .05468 .00886 -.00144
 3.995 .015 1.29991 89.56503 .00760 -.03738 .11951 .02029 .00958
 4.004 4.084 1.29975 44.98562 -.00243 -.04848 .17096 .02886 .02048
 GRADIENT -.00005 -10.91653 -.00181 -.00327 .01434 .00247 .00270

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC0090) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.350 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1410/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-7.955	1.34971	35.02769	-.01505	.01916	-.01885	-.00442	-.00557
-4.014	-3.926	1.35015	55.84109	-.01662	-.00150	.03407	.00559	.00201
-4.004	-.004	1.34966	90.35927	-.01757	-.01454	.08527	.01489	.01045
-3.997	4.092	1.34998	127.06940	-.02560	-.02924	.13363	.02306	.01974
	GRADIENT	-.00002	8.88339	-.00113	-.00346	.01241	.00218	.00221

RUN NO. 1411/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.064	1.34992	-.00682	.01171	.01385	-.02201	-.00478	-.00884
-.000	-4.037	1.35045	-.00691	.01016	-.01238	.03834	.00640	.00035
-.001	-.019	1.34993	-.00688	.00346	-.02821	.09755	.01696	.01015
-.002	3.979	1.34979	-.00674	-.00562	-.04380	.14725	.02527	.01975
	GRADIENT	-.00008	.00002	-.00197	-.00392	.01359	.00235	.00242

RUN NO. 1412/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.997	-8.090	1.34977	150.77340	.02754	-.00198	-.01389	-.00384	-.01131
4.001	-4.085	1.35032	133.79170	.01547	-.02839	.05185	.00817	-.00296
3.998	.008	1.34990	89.44588	.00554	-.04216	.11438	.01931	.00746
4.005	4.077	1.34967	45.02532	-.00892	-.05405	.16697	.02813	.01834
	GRADIENT	-.00008	-10.87548	-.00299	-.00314	.01410	.00245	.00261

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC0091) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1413/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.996	-7.953	1.39996	35.06796	-.00706	.01579	-.01519	-.00384	-.00547
-4.017	-3.932	1.40040	55.96018	-.01146	-.00796	.03639	.00583	.00174
-3.995	-.013	1.39968	90.35927	-.01499	-.02149	.08662	.01491	.01031
-3.987	3.997	1.39952	126.47250	-.02161	-.03608	.13135	.02255	.01845
	GRADIENT	-.00011	8.89312	-.00128	-.00355	.01197	.00211	.00211

RUN NO. 1414/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.060	1.39958	-.00684	.01593	.00543	-.01985	-.00458	-.00904
-.000	-4.836	1.39996	-.00691	.01190	-.01453	.02517	.00372	-.00267
-.000	-4.045	1.39963	-.00692	.00992	-.01974	.03786	.00606	-.00089
-.001	-.020	1.39980	-.00688	.00040	-.03577	.09667	.01652	.00871
-.002	3.971	1.39961	-.00674	-.00856	-.04880	.14524	.02468	.01825
	GRADIENT	-.00002	.00002	-.00232	-.00383	.01367	.00239	.00238

RUN NO. 1415/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-8.085	1.39962	150.69330	.02985	-.00628	-.01490	-.00396	-.01147
4.011	-4.019	1.40020	133.11590	.01377	-.03468	.04667	.00717	-.00437
4.001	.020	1.39987	89.04875	-.00095	-.04605	.11051	.01852	.00554
4.002	4.052	1.40010	45.10512	-.01688	-.05735	.16305	.02735	.01629
	GRADIENT	-.00001	-10.90449	-.00380	-.00281	.01442	.00250	.00256

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3 (SC0092) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1416/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.947	-7.934	1.54773	34.91327	.00068	.00152	-.00983	-.00312	-.00600
-3.932	-3.878	1.54846	56.12309	-.00812	-.01770	.03666	.00546	.00040
-3.900	-.019	1.55007	90.79602	-.01240	-.03325	.08243	.01378	.00862
-3.903	3.945	1.55098	126.78620	-.02149	-.04503	.12206	.02066	.01636
	GRADIENT	.00032	9.03321	-.00171	-.00349	.01091	.00194	.00204

RUN NO. 1417/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-7.983	1.54882	-.00681	.01883	-.00731	-.01446	-.00392	-.00876
-.001	-3.942	1.54908	.03266	-.00015	-.02920	.03244	.00453	-.00292
-.001	.081	1.54890	-.00688	-.01454	-.04680	.08845	.01462	.00507
-.002	4.079	1.54804	-.00678	-.02591	-.05574	.13833	.02305	.01518
	GRADIENT	-.00013	-.00492	-.00321	-.00331	.01320	.00231	.00226

RUN NO. 1418/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.044	-8.167	1.54626	150.53950	.02182	-.01608	-.00776	-.00354	-.01023
4.075	-4.091	1.55001	132.80180	-.00468	-.03897	.03814	.00455	-.00518
4.102	.016	1.54882	88.57201	-.02412	-.05448	.09840	.01559	.00183
4.071	4.128	1.54842	45.02064	-.04163	-.06226	.15314	.02519	.01176
	GRADIENT	-.00019	-10.68049	-.00450	-.00283	.01399	.00251	.00206

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC0093) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1540/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.070	-8.088	1.39989	35.14032	-.00138	.07397	-.02907	-.00759	-.00358
-4.087	-3.928	1.40020	56.55305	-.00809	.05110	.02606	.00264	.00399
-4.084	-.021	1.39930	90.47844	-.01303	.03393	.07736	.01193	.01249
-4.077	3.989	1.39996	126.07950	-.01933	.00993	.12258	.01982	.02040
	GRADIENT	-.00003	8.78264	-.00142	-.00520	.01219	-.00217	-.00207

RUN NO. 1541/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.004	-8.089	1.39991	-.04629	.02092	.06585	-.03139	-.00754	-.00685
-.001	-4.890	1.40003	-.00698	.01488	.04324	.01482	.00046	-.00049
-.002	-4.044	1.40030	-.00698	.01319	.03794	.02712	.00286	-.00138
-.003	-.048	1.40060	-.00685	.00394	.01875	.08648	.01341	.01091
-.004	3.984	1.39903	-.00664	-.00648	.00108	.13675	.02197	.02061
	GRADIENT	-.00011	.00004	-.00241	-.00471	.01383	-.00243	.00238

RUN NO. 1542/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.940	-8.067	1.39976	150.88630	.03465	.05325	-.02371	-.00706	-.00879
3.937	-4.051	1.40023	133.74770	.01649	.02252	.03734	.00396	-.00179
3.935	.005	1.40008	88.88997	.00206	.00823	.10144	.01543	.00795
3.930	3.999	1.39936	44.79180	-.01441	-.00589	.15459	.02444	.01863
	GRADIENT	-.00011	-11.05118	-.00384	-.00353	.01457	.00254	.00254

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC0094) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = 180.000
IB-ELV = 10.000 OB-ELV = -5.000

RUN NO. 1544/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
ALPHA -7.937 1.54739 35.54321 PHI .00403 CHEO .05330 CNW -.01819 CBW -.00585 CTW -.00412
-4.004 -3.878 1.54939 56.75566 -.00695 .03133 .02878 .00270 .00234
-3.984 -.032 1.54999 90.83581 -.01083 .01379 .07459 .01100 .01059
-3.996 3.929 1.54977 126.23440 -.00262 .11503 .01805 .01805 .01821
GRADIENT .00005 8.89969 -.00158 -.00435 .00196 .00203

RUN NO. 1545/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
ALPHA -7.993 1.54894 -.00691 PHI .02100 CHEO .04202 CNW -.02248 CBW -.00654 CTW -.00684
-3.938 1.55082 -.00695 -.00071 .01753 .02478 .00184 .00086
-.003 .091 1.54949 -.00685 -.01228 .00038 .08117 .01187 .00746
-.002 4.047 1.54752 -.00673 -.02340 -.01029 .13120 .02043 .01736
GRADIENT -.00041 .00003 -.00284 -.00349 .00233 .00228

RUN NO. 1546/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
ALPHA -8.137 1.54822 150.73180 PHI .02166 CHEO .03271 CNW -.01543 CBW -.00623 CTW -.00823
4.005 -4.109 1.54881 133.19520 -.00158 .01221 .02872 .00148 .00298
4.036 .011 1.54871 88.17497 -.01987 -.00496 .08961 .01253 .00430
4.005 4.081 1.54815 44.66719 -.03800 -.01538 .14571 .02245 .01405
GRADIENT -.00008 -10.81039 -.00445 -.00337 .00256 .00208

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0095) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1619/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.001	-8.100	.59915	-153.21990	.02474	-.00140	-.01964	-.00272	-.00849
-4.003	-4.007	.59899	-135.53750	.01904	-.00169	.02361	.00489	.00176
-4.003	-.002	.60001	-88.36858	.01602	-.00324	.06630	.01257	.01219
-4.002	3.969	.59954	-43.24249	.01249	-.00876	.11322	.02098	.02259
GRADIENT		.00007	11.57212	-.00082	-.00089	.01123	.00202	.00261

RUN NO. 1620/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.001	.59909	-.00679	.02977	.00124	-.02317	-.00329	-.01025
.001	-4.015	.59997	-.00687	.02510	.00033	.02322	.00481	.00126
.001	.071	.60063	.03268	.02446	-.00256	.07203	.01339	.01380
-.001	3.984	.60058	-.00686	.02279	-.00959	.12069	.02221	.02541
GRADIENT		.00008	.00007	-.00029	-.00124	.01218	.00218	.00302

RUN NO. 1621/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-8.086	.59901	153.29440	.03991	.00127	-.02111	-.00333	-.01003
4.001	-4.000	.60045	135.66210	.03671	-.00102	.03199	.00612	.00306
4.004	-.010	.60028	88.92960	.03555	-.00472	.08503	.01546	.01640
3.999	3.979	.59931	43.31444	.03372	-.01225	.13493	.02473	.02844
GRADIENT		-.00014	-11.57398	-.00037	-.00141	.01290	.00233	.00318

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0096) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = 180.000
IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1623/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-8.098	.79925	-152.41830	.00912	-.00147	-.01378	-.00257	-.00951
-4.003	-4.048	.80053	-134.98020	.00644	-.00011	.03153	.00564	.00107
-3.991	-.033	.80002	-89.20238	.00509	-.00024	.07759	.01375	.01198
-3.998	3.994	.79965	-44.15795	.00641	-.00734	.12991	.02319	.02355
	GRADIENT	-.00011	11.29287	-.00000	-.00090	.01223	.00218	.00280

RUN NO. 1624/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.021	.80000	.03258	.02053	.00185	-.02088	-.00369	-.01149
-.001	-4.001	.80008	.03266	.01901	.00329	.02971	.00516	.00098
-.000	-.016	.79971	-.00689	.02110	.00215	.08140	.01419	.01395
-.001	3.976	.79947	-.00685	.02110	-.00648	.13750	.02447	.02709
	GRADIENT	-.00008	-.00495	.00026	-.00122	.01351	.00242	.00327

RUN NO. 1625/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.000	-8.097	.79908	152.49420	.03523	.00150	-.01698	-.00324	-.01047
3.998	-4.058	.80053	135.26390	.03458	.00213	.04017	.00679	.00359
3.991	-.033	.80035	89.60474	.03577	-.00019	.09724	.01688	.01767
4.003	3.984	.79951	44.34893	.03663	-.00951	.15719	.02798	.03123
	GRADIENT	-.00013	-11.30557	.00026	-.00145	.01455	.00264	.00344

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0097) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1626/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-8.085	.89921	-151.93770	-.00752	-.00383	-.02249	-.00469	-.00974
-4.002	-4.080	.90017	-134.70140	-.01122	.00208	.02461	.00388	.00041
-3.990	.038	.90006	-88.17010	-.01279	.00535	.07511	.01301	.01089
-3.999	4.002	.89990	-44.51595	-.01201	-.00450	.13077	.02300	.02174
	GRADIENT	-.00003	11.15968	-.00010	-.00080	.01313	.00236	.00264

RUN NO. 1627/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.001	-8.014	.89999	-.00680	.00896	-.00173	-.03070	-.00591	-.01189
-.001	-4.022	.90008	.03266	.01218	.00594	.02259	.00340	.00088
-.000	-.022	.89978	-.00689	.01678	.01000	.08068	.01378	.01352
-.001	3.958	.89967	-.00685	.01892	-.00531	.13967	.02408	.02629
	GRADIENT	-.00005	-.00496	.00084	-.00141	.01467	.00259	.00318

RUN NO. 1628/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.085	.89969	152.01360	.02431	-.00339	-.02327	-.00485	-.01092
4.003	-4.074	.89994	134.78670	.02355	.00506	.03746	.00570	.00361
3.990	.046	.90027	88.53249	.03117	.00786	.10412	.01765	.01817
4.003	4.013	.90001	44.58774	.03169	-.01277	.16024	.02701	.03009
	GRADIENT	.00001	-11.15477	.00101	-.00219	.01519	.00264	.00328

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0098) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

MACH = .950 IEABOX = 180.000
IB-ELV = 8.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 1629/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.999	-8.087	.94925	-151.69730	-.02130	.00381	-.02806	-.00578	-.00991
-4.004	-4.093	.95026	-134.50250	-.01708	.00476	.01905	.00297	.00004
-3.994	.077	.95041	-87.65395	-.01893	-.00944	.07230	.01276	.01041
-4.005	4.018	.94934	-44.75425	-.02101	-.02501	.12994	.02357	.02017
	GRADIENT	-.00011	11.06637	-.00048	-.00367	.01366	.00254	.00248

RUN NO. 1630/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.013	.94981	.03258	.00267	.01120	-.03681	-.00710	-.01149
-.000	-4.028	.94996	-.00688	.01103	.01174	.01845	.00281	.00084
-.001	-.013	.94983	-.00689	.00698	-.00239	.07900	.01374	.01303
.002	3.999	.94946	.03263	.01415	-.02867	.14289	.02507	.02471
	GRADIENT	-.00006	.00492	.00039	-.00503	.01550	.00277	.00297

RUN NO. 1631/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.000	-8.083	.94931	151.77380	.01422	.01350	-.02782	-.00581	-.01029
4.001	-4.090	.95026	134.70700	.01979	.01113	.03574	.00563	.00391
3.989	.089	.95048	88.01623	.01915	-.01366	.10758	.01857	.01767
4.004	4.001	.94938	44.82642	.03321	-.03264	.16500	.02808	.02871
	GRADIENT	-.00011	-11.10994	.00042	-.00542	.01599	.00278	.00307

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC0099) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1632/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	-8.062	1.04814	-151.05710	-.00515	-.00956	-.04346	-.00773	-.01016
-4.003	-4.097	1.05165	-134.06450	-.01770	-.00541	.00972	.00196	.00024
-4.000	.009	1.05027	-88.96415	-.01694	-.00342	.06401	.01156	.01150
-4.003	4.030	1.04921	-45.11243	-.02361	-.02499	-.12472	.02264	.02136
GRADIENT		-.00030	10.94576	-.00072	-.00240	.01415	.00254	.00260

RUN NO. 1633/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-7.991	1.04947	.03258	.01253	-.00594	-.04028	-.00714	-.01026
.000	-4.045	1.05087	-.00690	-.00101	-.00244	.01969	.00375	.00204
-.001	-.028	1.05029	-.00688	-.00252	-.00333	.08660	.01575	.01507
-.002	3.961	1.04972	-.00678	-.00535	-.02426	.14631	.02586	.02580
GRADIENT		-.00014	.00001	-.00054	-.00272	.01582	.00276	.00297

RUN NO. 1634/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.001	-8.052	1.04809	151.13390	.02920	-.00266	-.02726	-.00519	-.01000
4.002	-4.012	1.05146	133.79180	.01433	.00006	.04947	.00861	.00521
3.999	.025	1.05024	89.44588	.00757	-.01228	.12094	.02102	.01819
4.008	4.068	1.04984	45.06491	.01325	-.04660	.17950	.03083	.02887
GRADIENT		-.00020	-10.98160	-.00013	-.00578	.01609	.00275	.00293

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(SCOOA) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1636/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	1.09853	-151.01690	.02860	-.00796	-.05024	-.00851	-.00851	-.00882
-4.003	-4.092	1.10075	-134.02470	.01178	-.00534	.00235	.00111	.00109
-4.002	.012	1.10042	-89.08326	.00103	-.00420	.05782	.01098	.01169
-4.004	4.051	1.09958	-44.99303	-.01676	-.02336	.11711	.02163	.02105
GRADIENT	-.00014	10.93326	-.00350	-.00221	.01409	.00252	.00252	.00245

RUN NO. 1637/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.991	1.09919	.03261	.04735	-.00579	-.04530	-.00761	-.00915
.001	-4.062	1.10065	-.00688	.02766	-.00352	.01390	.00310	.00272
-.001	-.005	1.10009	-.00689	.01771	-.00652	.08188	.01530	.01554
-.001	3.990	1.09943	-.00681	.00632	-.02767	.14056	.02535	.02552
GRADIENT	-.00015	.00001	-.00265	-.00299	.01573	.00276	.00276	.00283

RUN NO. 1638/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-8.046	1.09876	151.05360	.06231	-.00289	-.03034	-.00544	-.00911
3.998	-4.014	1.10035	133.63240	.04032	.00016	.04408	.00791	.00522
4.001	.025	1.09997	89.16788	.02199	-.01561	.11623	.02054	.01774
4.004	4.033	1.09941	45.18458	.01536	-.04832	.17391	.03035	.02780
GRADIENT	-.00012	-10.99276	-.00310	-.00602	.01614	.00279	.00279	.00281

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(SC00A1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1639/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.001	-8.038	1.14882	-150.81690	.02859	-.00792	-.04500	-.00801	-.00747
-4.005	-4.092	1.15054	-133.98510	.01812	-.00355	.01048	.00205	.00286
-4.007	.019	1.15067	-89.20237	.00725	-.00406	.06982	.01301	.01279
-4.004	4.049	1.14944	-45.11233	-.01250	-.02464	.12282	.02222	.02169
	GRADIENT	-.00013	10.91710	-.00376	-.00258	.01380	.00248	.00231

RUN NO. 1640/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.098	1.14955	-.00677	.05152	-.00721	-.04213	-.00755	-.00834
.000	-4.066	1.15026	-.00688	.03717	-.00195	.02398	.00459	.00368
-.001	-.029	1.14989	-.00689	.02538	-.01701	.09232	.01689	.01493
.001	3.959	1.14986	.03268	.01122	-.03909	.14806	.02631	.02469
	GRADIENT	-.00005	.00492	-.00323	-.00463	.01546	.00271	.00262

RUN NO. 1641/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-8.029	1.14818	150.89310	.07315	-.00393	-.02366	-.00470	-.00812
4.001	-4.016	1.15022	133.63260	.05028	-.00860	.05550	.00984	.00456
4.006	.024	1.15036	89.44588	.03151	-.03029	.12365	.02158	.01646
4.008	4.084	1.14999	44.98533	.01543	-.05918	.18133	.03114	.02658
	GRADIENT	-.00003	-10.94411	-.00430	-.00625	.01553	.00263	.00272

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC00A2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABDX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1642/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -7.914 MACH 1.24880 PHI -150.25690 CHEI .04725 CHEO -.00588 CNW -.03771 CBW -.00705 CTW -.00495
 -4.005 -4.087 1.25007 -133.70640 .03465 -.00509 .01856 .00365 .00337
 -4.002 .015 1.25015 -89.08326 .02228 -.01991 .07392 .01377 .01221
 -4.001 3.996 1.24930 -45.55009 .00676 -.03625 .12598 .02259 .02080
 GRADIENT -.00009 10.90697 -.00345 -.00386 .01329 .00234 .00216

RUN NO. 1643/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -7.987 MACH 1.24950 PHI .03261 CHEI .06979 CHEO -.00289 CNW -.02938 CBW -.00565 CTW -.00635
 -001 -4.065 1.25030 .03266 .05398 -.01537 .03406 .00617 .00332
 -001 -.034 1.24980 -.00689 .04242 -.03403 .09879 .01759 .01385
 -002 3.954 1.24977 -.00678 .02289 -.05461 .15175 .02653 .02329
 GRADIENT -.00007 -.00493 -.00387 -.00489 .01468 .00254 .00249

RUN NO. 1644/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -8.035 MACH 1.24909 PHI 150.69370 CHEI .08271 CHEO -.00672 CNW -.01416 CBW -.00328 CTW -.00909
 4.003 -4.020 1.25031 133.43370 .06572 -.03043 .05737 .00962 .00142
 4.000 .020 1.24971 89.48560 .04734 -.04755 .12608 .02141 .01300
 3.999 3.988 1.24985 45.66237 .02490 -.06884 .17965 .03030 .02320
 GRADIENT -.00006 -10.96045 -.00510 -.00479 .01528 .00258 .00272

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC00A3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABDX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1674/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	-8.026	1.24947	-150.53690	.04786	.01910	-.04732	-.00890	-.00487
-4.003	-4.094	1.25002	-133.66650	.03490	.02162	.01003	.00195	.00370
-3.996	.014	1.25019	-88.84503	.02376	.00327	.06553	.01224	.01254
-4.000	4.037	1.24959	-45.15239	.00824	-.01715	.11860	.02137	.02125
	GRADIENT	-.00005	10.88560	-.00328	-.00477	.01335	.00239	.00216

RUN NO. 1675/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.087	1.24950	-.00679	.07070	.02213	-.04021	-.00753	-.00637
.000	-4.061	1.25027	-.00689	.05547	.00752	.02535	.00468	.00356
-.001	.005	1.25013	-.00688	.04492	-.01372	.09068	.01628	.01418
-.002	3.958	1.24957	-.00678	.02591	-.03411	.14321	.02515	.02351
	GRADIENT	-.00009	.00001	-.00368	-.00519	.01470	.00255	.00249

RUN NO. 1676/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.021	1.24901	150.61370	.08286	.01492	-.02178	-.00463	-.00871
3.999	-4.012	1.25004	133.31410	.06743	-.01125	.05018	.00834	.00183
4.000	.017	1.24996	89.28703	.05021	-.02839	.11803	.02003	.01342
4.002	4.033	1.24981	45.26429	.02784	-.04722	.17195	.02901	.02372
	GRADIENT	-.00003	-10.94425	-.00492	-.00447	.01514	.00257	.00272

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC00A4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1679/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	-7.928	1.29977	-150.17690	.05341	.02787	-.03825	-.00758	-.00374
-4.001	-4.080	1.30050	-133.42760	.04166	.01148	.01493	.00253	.00405
-3.997	.011	1.30030	-88.76565	.02860	-.00625	.07147	.01299	.01238
-3.999	4.044	1.29922	-45.07288	.01187	-.02604	.12031	.02138	.02083
	GRADIENT	-.00016	10.87611	-.00367	-.00462	.01297	.00232	.00207

RUN NO. 1680/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.090	1.29981	-.00679	.07105	.01904	-.03313	-.00638	-.00651
.000	-4.022	1.29996	-.00688	.05734	-.00350	.03035	.00528	.00295
-.001	-.041	1.29959	-.00689	.04454	-.02240	.09306	.01636	.01284
-.002	4.002	1.29989	-.00678	.02770	-.03975	.14565	.02513	.02246
	GRADIENT	-.00001	.00001	-.00369	-.00452	.01437	.00247	.00243

RUN NO. 1681/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-8.041	1.29940	150.57380	.08231	.00621	-.02088	-.00473	-.00938
3.999	-4.022	1.30011	133.27430	.06580	-.01861	.04827	.00772	.00029
4.002	.024	1.29991	89.24732	.04260	-.03583	.11725	.01967	.01116
4.002	4.035	1.29990	45.30410	.02124	-.05212	.17132	.02861	.02177
	GRADIENT	-.00003	-10.91741	-.00553	-.00416	.01527	.00259	.00267

(SC00A5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1682/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -3.998 1.35047 -150.17640 .06219 .02627 -.03405 -.00680 -.00392
 -4.001 1.34995 -133.22860 .04607 .00119 .01746 .00294 .00296
 -3.994 .014 1.34967 -88.48772 .03270 -.01374 .01280 .01133
 -4.003 4.056 1.35013 -45.03288 .01138 -.03067 .12026 .02125 .02023
 GRADIENT .00002 10.84859 -.00427 -.00392 .01265 .00225 .00212

RUN NO. 1683/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -8.089 1.34989 -.00679 .07198 .01524 -.03003 -.00590 -.00702
 -4.052 1.34982 -.00689 .05844 -.01077 .03221 .00534 .00212
 -0.055 1.34984 -.00689 .04102 -.02709 .09317 .01608 .01173
 3.963 1.34971 -.00676 .02502 -.04478 .14524 .02476 .02139
 GRADIENT -.00001 .00002 -.00417 -.00424 .01410 .00242 .00240

RUN NO. 1684/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -7.923 1.34914 150.21410 .08028 -.00218 -.01655 -.00428 -.00940
 -4.030 1.34986 133.23460 .05987 -.02828 .04792 .00751 -.00144
 .018 1.35001 89.12818 .03249 -.04361 .11386 .01892 .00886
 4.044 1.35024 45.22474 .00907 -.05822 .16840 .02795 .01967
 GRADIENT .00005 -10.90061 -.00629 -.00371 .01492 .00253 .00261

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC00A6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1685/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.999	-7.947	1.39901	-150.09660	.06418	.02081	-.03105	-.00627	-.00407
-4.002	-4.003	1.40015	-132.59190	.04722	-.00282	.02035	.00323	.00318
-3.998	.013	1.39932	-88.36860	.03005	-.01900	.07324	.01296	.01096
-4.000	4.045	1.40034	-45.11265	.01496	-.03470	.11907	.02082	.01955
	GRADIENT	.00002	10.86924	-.00401	-.00396	.01227	.00219	.00203

RUN NO. 1686/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.072	1.39962	-.00681	.07054	.00613	-.02667	-.00557	-.00729
.000	-4.061	1.40001	-.00690	.05156	-.01995	.03262	.00510	.00067
-.001	-.047	1.39994	-.00688	.03201	-.03766	.09434	.01596	.01007
-.002	3.945	1.39963	-.00576	.01527	-.05201	.14491	.02438	.01970
	GRADIENT	-.00005	.00002	-.00453	-.00400	.01403	.00241	.00238

RUN NO. 1687/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-7.921	1.39943	150.13410	.07686	-.00670	-.01464	-.00428	-.00930
4.001	-4.020	1.40011	133.03570	.05236	-.03556	.04416	.00645	-.00278
3.998	.018	1.40033	88.96933	.02092	-.04829	.11181	.01824	.00694
4.001	4.045	1.39965	45.22456	-.00221	-.06046	.16582	.02727	.01786
	GRADIENT	-.00006	-10.88827	-.00677	-.00309	.01509	.00258	.00256

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (SC00A7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1689/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.049	-8.011	1.54818	-149.98260	.06754	.00564	-.02151	-.00518	-.00448
-4.075	-4.167	1.55002	-132.91500	.04542	-.01560	.02321	.00311	.00104
-4.097	.021	1.54956	-87.85219	.02339	-.03285	.07484	.01252	.00927
-4.066	4.094	1.54924	-45.14778	.00278	-.04504	.11614	.01963	.01711
	GRADIENT	-.00010	10.62569	-.00516	-.00357	.01126	.00200	.00195

RUN NO. 1690/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-7.996	1.54918	-.00677	.06143	-.00817	-.01774	-.00466	-.00735
.000	-3.958	1.54903	-.00688	.03341	-.03026	.03070	.00389	-.00141
-.000	.061	1.54879	-.00689	.00848	-.04868	.08941	.01426	.00646
-.001	4.047	1.54894	-.00681	-.00746	-.05792	.14013	.02277	.01639
	GRADIENT	-.00001	.00001	-.00511	-.00346	.01367	.00236	.00222

RUN NO. 1691/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.051	-8.002	1.54857	149.98050	.05564	-.01735	-.00726	-.00385	-.00891
4.076	-4.161	1.54993	133.08050	.02334	-.03964	.03611	.00370	-.00401
4.098	.019	1.55010	88.45286	-.00462	-.05608	.09980	.01520	.00319
4.067	4.142	1.54941	44.98112	-.02669	-.06413	.15650	.02501	.01334
	GRADIENT	-.00006	-10.61078	-.00603	-.00295	.01450	.00257	.00209

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SC00AB) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1586/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-8.073	.59896	-153.29980	.01136	-.00083	-.00737	-.00032	-.00743
-3.996	-3.989	.60022	-135.73610	.00988	.00030	.03237	.00662	.00251
-3.999	-.002	.60082	-88.76563	.00500	-.00096	.07280	.01386	.01242
-3.997	3.972	.59971	-43.32246	.00730	-.00686	.11796	.02204	.02278
	GRADIENT	-.00006	11.60938	-.00033	-.00090	.01075	.00194	.00255

RUN NO. 1587/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-7.900	.59985	-.00676	.02025	.00394	-.01553	-.00175	-.00969
.001	-3.943	.60013	-.00686	.01789	.00366	.02883	.00598	.00166
.000	-.017	.60093	-.00690	.01642	.00135	.07501	.01408	.01333
.003	4.067	.59978	.03258	.01409	-.00598	.12572	.02324	.02565
	GRADIENT	-.00005	.00496	-.00048	-.00121	.01210	.00216	.00300

RUN NO. 1588/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.997	-8.092	.59958	153.37470	.03254	.00536	-.01657	-.00212	-.00984
3.997	-3.992	.60120	135.82100	.03072	.00297	.03635	.00708	.00333
3.999	-.009	.60030	89.20760	.02848	-.00079	.08861	.01624	.01639
4.000	3.965	.60006	43.47360	.02601	-.00880	.13794	.02541	.02825
	GRADIENT	-.00014	-11.60572	-.00059	-.00148	.01277	.00230	.00313

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (SC00A9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1590/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -3.998 -7.9892 -152.57830 .00549 -.00283 -.00305 -.00033 -.00852
 -3.998 -4.042 -135.25850 .00448 -.00079 .03896 .00714 .00181
 -3.985 -.055 -79994 -89.83763 .00268 -.00087 .01478 .01208
 -4.006 3.936 -80011 -44.59500 .00227 -.00594 .02359 .02324
 GRADIENT -.00007 11.36329 -.00028 -.00065 .01156 .00206 .00269

RUN NO. 1591/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -8.054 -7.9972 -.00674 .01578 .00326 -.01496 -.00240 -.01114
 -3.912 -80003 -.00687 .01343 .00375 .03573 .00647 .00139
 -.005 -79989 -.00690 .01415 .00275 .08465 .01501 .01384
 4.088 -79951 -.00686 .01279 -.00428 .13939 .02495 .02705
 GRADIENT -.00006 .00000 -.00008 -.00101 .01296 .00231 .00321

RUN NO. 1592/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -8.090 -7.9905 152.61410 .02621 .00431 -.01110 -.00188 -.01004
 -4.045 -80047 135.46270 .02656 .00397 .04464 .00785 .00380
 -.051 -80024 90.12100 .02669 .00064 .03918 .01751 .01739
 3.923 -80004 44.78637 .02381 -.00697 .15498 .02778 .03037
 GRADIENT -.00005 -11.37982 -.00034 -.00137 .01385 .00250 .00333

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SC080) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1593/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.998	-8.097	.89967	-152.13770	-.00498	-.00531	-.00836	-.00178	-.00923
-4.000	-4.074	.90041	-134.98000	-.00476	-.00274	.03623	.00632	.00090
-3.985	.017	.90007	-88.76566	-.00761	.00073	.08402	.01485	.01130
-4.001	3.998	.89982	-44.55559	-.00640	-.00191	.13922	.02491	.02237
	GRADIENT	-.00007	11.20214	-.00021	.00011	.01275	.00230	.00266

RUN NO. 1594/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.022	.89965	-.00676	.00609	-.00212	-.02038	-.00385	-.01217
-.001	-4.048	.90019	.03267	.00719	.00129	.03081	.00520	.00017
-.000	.004	.90022	-.00690	.00984	.00617	.08627	.01504	.01332
-.001	4.093	.89953	-.00686	.00868	-.00379	.14182	.02441	.02643
	GRADIENT	-.00008	-.00485	.00018	-.00063	.01364	.00236	.00323

RUN NO. 1595/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.994	-8.093	.89975	152.21320	.01665	-.00230	-.01469	-.00294	-.01129
3.999	-4.075	.90015	135.10480	.02090	.00181	.04386	.00734	.00314
3.990	.028	.90028	89.04876	.02370	.00586	.10713	.01861	.01791
3.997	3.991	.89975	44.66778	.02214	-.00734	.15767	.02664	.02966
	GRADIENT	-.00005	-11.21164	.00016	-.00112	.01412	.00239	.00329

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SC00B1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = .950 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 1596/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.001	-7.987	.94889	-151.53740	-.00763	-.00461	-.01147	-.00274	-.00839
-3.999	-4.075	.95054	-134.62160	-.00876	.00186	.03122	.00512	.00102
-3.989	.053	.95202	-88.09069	-.01259	.00542	.08014	.01406	.01100
-3.996	3.979	.94797	-44.75483	-.01149	-.00669	.13117	.02293	.02116
	GRADIENT	-.00031	11.16001	-.00034	-.00105	.01241	.00221	.00250

RUN NO. 1597/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.063	.94951	-.00676	-.00063	-.00106	-.02648	-.00510	-.01217
.001	-4.044	.95092	-.00688	.00434	.00488	.02554	.00404	.00035
-.000	-.033	.95100	-.00689	.00875	.00787	.08251	.01421	.01287
.002	3.973	.94905	.03261	.00765	-.00655	.13976	.02373	.02521
	GRADIENT	-.00023	.00492	.00041	-.00142	.01425	.00246	.00310

RUN NO. 1598/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-8.098	.94905	151.93370	.01039	-.00327	-.01894	-.00392	-.01107
3.998	-4.090	.94995	134.90570	.02196	.00550	.04267	.00697	.00344
3.989	.075	.95231	88.37363	.02639	.00677	.10858	.01853	.01777
4.002	3.987	.94778	44.74700	.02306	-.01248	.15885	.02656	.02860
	GRADIENT	-.00026	-11.16135	.00015	-.00220	.01440	.00243	.00312

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SC00B2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1599/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.001	-8.068	1.04861	-151.17710	-.03445	-.00410	-.02809	-.00562	-.01037
-4.001	-4.084	1.05145	-134.18390	-.03223	-.00457	.02231	.00376	.00002
-3.999	.010	1.05076	-89.16267	-.02467	-.00958	.07593	.01335	.01104
-3.997	4.021	1.04968	-45.15261	-.02452	-.02596	.13566	.02433	.02095
	GRADIENT	-.00022	10.98499	.00095	-.00263	.01398	.00254	.00258

RUN NO. 1600/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-0.003	-7.989	1.04976	.03259	-.00860	.00401	-.03301	-.00636	-.01097
-0.000	-4.068	1.05068	-.00691	-.00933	.00552	.02501	.00425	.00131
-0.001	-.028	1.05043	-.00688	.00099	.00035	.09104	.01609	.01460
-0.002	3.956	1.04928	-.00678	-.00336	-.03093	.15055	.02607	.02486
	GRADIENT	-.00017	.00002	.00075	-.00453	.01565	.00272	.00293

RUN NO. 1601/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.993	-8.068	1.04843	151.29280	.01248	.01073	-.02217	-.00485	-.01054
4.002	-3.997	1.05037	133.83150	.01116	.00582	.05385	.00902	.00478
4.004	.016	1.05178	89.84302	.00522	-.00861	.12348	.02100	.01757
4.009	4.050	1.04917	45.14444	.00394	-.04891	.17956	.03007	.02786
	GRADIENT	-.00015	-11.02161	-.00090	-.00680	.01562	.00262	.00287

0.9

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,2

(SC00B3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

MACH = 1.100 IEABOX = 180.000
IB-ELV = 8.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 1603/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-8.056	1.09785	-151.09700	-.01857	-.00596	-.03636	-.00671	-.00971
-4.001	-4.066	1.10133	-133.98480	-.02467	-.00122	.01453	.00274	.00034
-3.996	.014	1.10047	-89.16267	-.02410	-.00299	.06772	.01227	.01082
-4.003	4.049	1.09999	-44.99310	-.02902	-.02773	.12687	.02316	.02012
	GRADIENT	-.00017	10.96674	-.00053	-.00326	.01384	.00252	.00244

RUN NO. 1604/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-8.082	1.09873	-.00677	.00644	-.00136	-.03888	-.00697	-.01052
-.001	-3.997	1.10181	.03266	-.00191	.00166	.02103	.00392	.00206
-.001	-.045	1.10091	-.00689	.00109	-.00278	.08605	.01569	.01449
-.002	3.955	1.09950	-.00680	-.00831	-.02632	.14502	.02576	.02442
	GRADIENT	-.00029	-.00495	-.00081	-.00352	.01559	.00275	.00281

RUN NO. 1605/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-8.060	1.09631	151.17330	.02081	.00335	-.02525	-.00477	-.01013
4.000	-3.990	1.10231	133.59270	.01267	.00463	.04908	.00853	.00451
4.000	.024	1.10085	89.28703	.00924	-.00824	.11758	.02047	.01713
3.999	4.019	1.09981	45.18493	.00652	-.04243	.17476	.03024	.02711
	GRADIENT	-.00031	-11.03906	-.00077	-.00587	.01569	.00271	.00282

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(SCO0B4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.150 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 1606/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.999	-8.048	1.15214	-150.93670	-.02053	-.00739	-.03100	-.00611	-.00844
-4.000	-4.079	1.15155	-134.10420	-.02321	-.00223	.02306	.00377	.00194
-4.001	.018	1.15074	-89.28178	-.02354	-.00424	.07949	.01425	.01176
-4.003	4.038	1.14992	-45.11241	-.02827	-.03090	.13203	.02353	.02060
	GRADIENT	-.00020	10.96324	-.00062	-.00352	.01343	.00243	.00230

RUN NO. 1607/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.102	1.14908	-.00675	.00648	-.00411	-.03456	-.00667	-.00962
-.001	-4.085	1.15101	.03266	.00064	.00108	.02961	.00517	.00253
-.001	-.038	1.15085	-.00689	.00021	-.01259	.09634	.01726	.01392
-.002	3.990	1.14989	-.00678	-.00675	-.03036	.15019	.02616	.02395
	GRADIENT	-.00014	-.00489	-.00091	-.00389	.01493	.00260	.00265

RUN NO. 1608/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-8.046	1.14840	151.01310	.02349	-.00070	-.01846	-.00406	-.00946
3.997	-4.067	1.15055	134.14950	.01123	-.00493	.05910	.01023	.00337
4.000	.018	1.15058	89.68417	.01011	-.02321	.12508	.02161	.01574
4.008	4.068	1.15025	45.06488	.00725	-.05257	.18013	.03069	.02601
	GRADIENT	-.00004	-10.95077	-.00049	-.00585	.01488	.00252	.00278

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (SC00B5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1609/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -3.998 -8.030 1.24963 -150.65650 .00405 -.00630 -.02980 -.00599 -.00628
 -4.000 -4.081 1.25012 -133.82550 -.00411 -.00480 .02744 .00489 .00221
 -4.001 .017 1.24986 -89.12296 -.01066 -.01805 .08052 .01465 .01110
 -4.002 4.063 1.24980 -45.03292 -.01955 -.03280 .13124 .02311 .01994
 GRADIENT -.00004 10.90301 -.00189 -.00344 .01275 .00224 .00218

RUN NO. 1610/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 .002 -8.102 1.24917 -.00677 .03559 -.00038 -.02725 -.00555 -.00788
 -.001 -4.077 1.25054 .03266 .02252 -.01288 .03746 .00652 .00208
 -.001 .024 1.25039 -.00689 .01674 -.03122 .10185 .01800 .01291
 .001 3.962 1.24951 .03270 .00511 -.05004 .15327 .02666 .02245
 GRADIENT -.00013 -.00006 -.00216 -.00462 .01442 .00251 .00253

RUN NO. 1611/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 3.997 -8.025 1.24927 150.73350 .03248 -.00427 -.01168 -.00291 -.01004
 3.998 -4.094 1.25036 134.07010 .03666 -.02716 .05839 .00968 .00028
 4.000 .024 1.25010 89.44588 .02134 -.04350 .12691 .02153 .01229
 4.006 4.076 1.24986 45.06507 .01187 -.06477 .17969 .03036 .02275
 GRADIENT -.00006 -10.89401 -.00304 -.00460 .01485 .00253 .00275

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC00B6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1654/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHED	CNW	CBW	CTW
-3.999	-8.024	1.24929	-150.65670	-.02121	.00847	-.02537	-.00630	-.00619
-4.002	-4.095	1.25022	-133.90530	-.02156	.01458	.02912	.00415	.00258
-3.995	.013	1.24988	-89.12297	-.02421	-.00074	.08094	.01378	.01139
-3.997	4.054	1.24978	-45.03326	-.02376	-.01727	.13100	.02224	.02033
	GRADIENT	-.00005	10.90618	-.00027	-.00391	.01250	.00222	.00218

RUN NO. 1655/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHED	CNW	CBW	CTW
.002	-8.000	1.24962	-.00676	.00909	.02023	-.02627	-.00628	-.00757
.001	-4.073	1.24990	-.00687	.00426	.00729	.03569	.00540	.00230
-.000	-.034	1.25020	-.00689	.00580	-.01427	.09929	.01681	.01308
-.002	3.945	1.24961	-.00680	-.00299	-.02940	.15009	.02528	.02302
	GRADIENT	-.00004	.00001	-.00090	-.00458	.01427	.00248	.00258

RUN NO. 1656/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHED	CNW	CBW	CTW
3.997	-8.034	1.24907	150.77340	.02422	.01477	-.01117	-.00385	-.00984
4.000	-4.008	1.25008	133.47330	.01954	-.00996	.05931	.00889	.00100
3.994	.016	1.25008	89.56503	.01411	-.02534	.12405	.02019	.01289
4.007	4.082	1.25002	44.98541	.00863	-.04379	.17593	.02895	.02352
	GRADIENT	-.00001	-10.93863	-.00135	-.00418	.01441	.00248	.00278

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3

(SC00B7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1658/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-8.024	1.29910	-150.57670	-.01076	.02102	-.01861	-.00564	-.00472
-4.000	-4.082	1.30014	-133.66630	-.01518	.00707	.03377	.00440	.00334
-3.996	.017	1.29971	-88.96416	-.01547	-.00768	.08705	.01435	.01172
-3.999	4.030	1.29963	-45.15247	-.02464	-.02538	.13325	.02230	.02023
	GRADIENT	-.00006	10.91135	-.00116	-.00400	.01226	.00221	.00208

RUN NO. 1659/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-7.993	1.30009	.03263	.01931	.01807	-.01919	-.00529	-.00712
.001	-4.064	1.30005	-.00688	.01534	-.00323	.04038	.00578	.00218
-.001	-.062	1.29957	-.00589	.01085	-.02251	.10194	.01679	.01234
-.002	3.945	1.29941	-.00580	-.00002	-.03611	.15224	.02515	.02208
	GRADIENT	-.00008	.00001	-.00192	-.00411	.01397	.00242	.00248

RUN NO. 1660/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.997	-8.015	1.29915	150.61350	.03698	.00540	-.00970	-.00398	-.00992
4.000	-4.014	1.29987	133.43350	.02529	-.01860	.05782	.00827	-.00013
3.995	.020	1.30017	89.36646	.01633	-.03350	.12274	.01966	.01109
3.997	4.027	1.30003	45.26462	.00602	-.04820	.17509	.02839	.02182
	GRADIENT	.00002	-10.96387	-.00240	-.00368	.01458	.00250	.00273

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,3

(SC0088) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1662/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.996	-7.902	1.34927	-150.17610	-.00044	.02162	-.01447	-.00494	-.00449
-4.000	-4.028	1.35009	-133.10910	-.00917	-.00177	.03624	.00472	.00251
-3.999	.019	1.34962	-88.60682	-.01066	-.01439	.08585	.01395	.01106
-4.000	4.043	1.34934	-45.07286	-.02271	-.02587	.13211	.02191	.01994
	GRADIENT	-.00009	10.90836	-.00168	-.00299	.01188	.00213	.00216

RUN NO. 1663/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.100	1.34967	-.00677	.02788	.01512	-.01836	-.00525	-.00760
-.001	-4.008	1.35039	.03266	.02204	-.01093	.04313	.00598	.00178
-.001	-.008	1.34983	-.00689	.01157	-.02830	.10302	.01664	.01162
-.002	3.947	1.34998	-.00678	-.00010	-.04156	.15179	.02476	.02122
	GRADIENT	-.00005	-.00497	-.00278	-.00385	.01366	.00236	.00244

RUN NO. 1664/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.025	1.34947	150.57370	.04496	-.00154	-.00888	-.00408	-.00995
3.999	-4.010	1.35031	133.31410	.02910	-.02746	.05713	.00798	-.00145
3.998	.024	1.34994	89.16788	.01415	-.03839	.11895	.01880	.00913
3.997	4.030	1.35008	45.22485	.00037	-.05152	.17113	.02751	.01993
	GRADIENT	-.00003	-10.95565	-.00357	-.00299	.01418	.00243	.00266

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3 (SC00B9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1665/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.999	-7.908	1.39934	-150.05650	.00577	.01787	-.01355	-.00471	-.00463
-3.998	-4.082	1.40011	-133.30800	-.00408	-.00456	.03580	.00446	.00244
-3.997	.020	1.39960	-88.36860	-.00970	-.01971	.08649	.01396	.01055
-4.002	4.043	1.40015	-45.07267	-.01823	-.03258	.13030	.02149	.01927
GRADIENT	GRADIENT	.00000	10.86060	-.00174	-.00345	.01163	.00210	.00207

RUN NO. 1666/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.085	1.40019	-.00678	.03138	-.00604	-.01587	-.00502	-.00778
.000	-4.076	1.40009	-.00690	.02075	-.01984	.04174	.00552	.00031
-.001	-.007	1.40035	-.00688	.00786	-.03668	.10220	.01626	.01013
-.002	3.958	1.39982	-.00677	-.00279	-.04673	.15072	.02433	.01985
GRADIENT	GRADIENT	-.00003	.00002	-.00293	-.00335	.01357	.00234	.00243

RUN NO. 1667/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-8.035	1.39995	150.53330	.04874	-.00548	-.00889	-.00428	-.00981
3.997	-4.005	1.39998	133.15480	.02569	-.03506	.05256	.00685	-.00272
3.996	.026	1.39995	88.96934	.00836	-.04706	.11701	.01827	.00724
4.000	4.038	1.40014	45.18482	-.00772	-.05537	.16884	.02696	.01820
GRADIENT	GRADIENT	.00002	-10.93792	-.00415	-.00253	.01446	.00250	.00260

IA613A(AEDC 16TF-829) B/L DT + ASRM+PLUMES S1,3

(SC00C0) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
 LREF = 474.8100 INCHES
 BREF = 936.6800 INCHES
 SCALE = .0300

XMRP = 976.0000 IN. XT
 YMRP = .0000 IN. YT
 ZMRP = 400.0000 IN. ZT

MACH = 1.550 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1669/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.051	1.54951	-150.26300	.01324	.00394	-.00662	-.00400	-.00511	
-4.075	1.54895	-132.91500	.00141	-.01655	.03692	.00413	.00091	
-4.096	.021	1.54913	-87.81248	-.00829	-.03279	.08504	.01314	.00906
-4.069	4.094	1.54862	-45.10779	-.01959	.12520	.02015	.01705	
	GRADIENT	-.00004	10.64548	-.00254	-.00342	.01071	.00194	.00196

RUN NO. 1670/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-0.002	-7.880	1.54922	.03267	.03323	-.00834	-.00886	-.00417	-.00755
.001	-3.973	1.54934	-.00687	.00770	-.02980	.03782	.00413	-.00165
-.000	.057	1.54957	-.00689	-.00618	-.04813	.09468	.01434	.00649
-.001	4.055	1.54854	-.00682	-.01829	-.05724	.14477	.02279	.01657
	GRADIENT	-.00010	.00001	-.00324	-.00342	.01332	.00233	.00227

RUN NO. 1671/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.048	-8.120	1.54847	150.34000	.03826	-.01649	-.00256	-.00390	-.00899
4.072	-4.069	1.54899	132.60270	.00786	-.04036	.04345	.00416	-.00375
4.096	.015	1.54953	88.37342	-.01245	-.05565	.10395	.01517	.00348
4.069	4.101	1.54814	45.14017	-.02929	-.06360	-.15982	.02490	.01355
	GRADIENT	-.00010	-10.70570	-.00455	-.00284	.01424	.00254	.00212

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(SC00C1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = 999.0000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1477/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	-7.993	.60094	31.39515	.00632	.00521	-.00623	-.00074	-.00607
-4.003	-3.942	.60092	52.26406	.00321	.00610	.03322	.00595	.00396
-4.010	.133	.60139	91.31242	.00167	.00620	.07537	.01307	.01491
-4.008	3.966	.59983	128.22310	.00045	-.00021	.11832	.02076	.02514
	GRADIENT	-.00014	9.60462	-.00035	-.00079	.01076	.00187	.00268

RUN NO. 1478/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.000	-7.941	.59914	-.00699	.01592	.00917	-.01603	-.00264	-.00707
-.002	-3.933	.59975	-.00698	.01442	.00879	.02672	.00490	.00405
-.003	.066	.60061	-.00686	.01323	.00806	.07109	.01270	.01566
-.003	4.031	.60002	-.00667	.01140	.00251	.11744	.02112	.02684
	GRADIENT	.00003	.00004	-.00038	-.00079	.01139	.00204	.00286

RUN NO. 1479/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-8.026	.59951	153.25420	.02875	.01060	-.01477	-.00293	-.00675
3.991	-3.987	.60116	135.90020	.02735	.00888	.03392	.00587	.00578
3.984	-.017	.60023	89.92244	.02513	.00680	.08308	.01454	.01806
3.989	3.996	.59938	43.27541	.02217	-.00022	.13041	.02344	.02956
	GRADIENT	-.00022	-11.60216	-.00065	-.00114	.01208	.00220	.00298

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(SC00C2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

MACH = .900 IEABOX = 999.000
IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1481/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
-4.001	-7.987	.89870	32.87276	-.01326	-.00147	-.00461	-.00686
-4.010	-3.864	.90090	54.13212	-.01364	.00101	.03872	.00307
-4.002	.109	.90022	90.51813	-.01512	.00913	.08485	.01370
-4.006	4.139	.89973	127.82540	-.01165	.00444	.13645	.02594
	GRADIENT	-.00015	9.20913	.00025	.00043	.01221	.00286

RUN NO. 1482/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
-.001	-7.890	.89961	-.00701	-.00246	.00140	-.01746	-.00851
-.004	-3.896	.89980	.03256	.00009	.00467	.03093	.00365
-.003	-.025	.90000	.03273	.00382	.01449	.08123	.01599
-.006	3.958	.89965	-.04615	.00510	.01003	.13305	.02812
	GRADIENT	-.00002	-.01007	.00064	.00067	.01300	.00223

RUN NO. 1483/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
3.989	-7.951	.89942	151.89240	.01391	.00228	-.01110	-.00698
3.986	-4.007	.90046	134.86510	.01623	.00617	.04374	.00682
3.974	.059	.90005	89.00906	.01888	.01530	.10229	.02064
3.994	3.987	.89990	44.74752	.01734	.00654	.15038	.03159
	GRADIENT	-.00007	-11.27277	.00014	.00006	.01335	.00228

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (SC00C3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = 999.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1484/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-8.026	1.09607	33.87059	-.02688	.01976	-.03563	-.00696	-.00757
-4.014	-3.877	1.10072	55.00640	-.02718	.02379	.01502	.00212	.00301
-4.012	.095	1.10138	90.16071	-.02266	.02250	.06811	.01154	.01363
-3.988	4.089	1.09933	126.75080	-.02160	.00253	.12466	.02192	.02308
	GRADIENT	-.00017	9.00600	.00070	-.00267	.01376	.00249	.00252

RUN NO. 1485/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.001	-8.035	1.09775	-.00701	.00462	.02829	-.03647	-.00703	-.00764
-.003	-4.041	1.10138	-.00702	.00027	.03208	.01879	.00303	.00470
-.004	-.034	1.10105	-.00684	.00209	.02721	.08182	.01447	.01696
-.004	3.957	1.10022	-.00660	-.00847	.00124	.14086	.02480	.02658
	GRADIENT	-.00014	.00005	-.00109	-.00385	.01526	.00272	.00274

RUN NO. 1486/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.994	-7.989	1.09737	151.05300	.01260	.03046	-.01983	-.00460	-.00659
3.993	-3.979	1.10115	133.71160	.00992	.03512	.04875	.00780	.00786
3.985	.035	1.10121	89.48560	.00803	.01690	.11645	.01994	.01982
3.995	4.049	1.09989	45.02603	-.00737	-.01049	.17188	.02920	.02934
	GRADIENT	-.00016	-11.04690	-.00215	-.00568	.01534	.00267	.00268

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SC00C4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = 999.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1488/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
- .003	-1.075	1.14977	-.08607	.00211	.02258	.08008	.01379	.01395
-4.002	-8.008	1.14530	34.10995	-.02647	.01904	-.02905	-.00626	-.00635
-4.021	-3.846	1.15049	55.20480	-.02526	.02536	.02321	.00311	.00460
-4.003	.112	1.15104	90.04156	-.02146	.02170	.07848	.01332	.01435
-4.008	4.185	1.14981	127.10980	-.02130	-.00222	.13228	.02276	.02368
GRADIENT		-.00008	8.95406	.00049	-.00345	.01358	.00245	.00238

RUN NO. 1489/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
- .001	-8.008	1.14795	-.00703	.00617	.02712	-.03057	-.00657	-.00671
- .001	-4.042	1.15067	-.04657	.00487	.03456	.03081	.00472	.00557
- .005	-.017	1.15069	-.00684	.00193	.01618	.09522	.01661	.01661
- .005	4.081	1.14985	-.00658	-.00332	-.01058	.15125	.02632	.02611
GRADIENT		-.00010	.00491	-.00101	-.00556	.01482	.00266	.00253

RUN NO. 1490/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.993	-8.052	1.14749	151.09290	.01830	.03021	-.01386	-.00390	-.00640
3.990	-3.976	1.15045	133.75110	.01124	.02296	.06341	.01040	.00700
3.989	.032	1.15068	89.92245	.01002	-.00278	.12621	.02151	.01832
3.994	4.066	1.15017	45.02608	.01036	-.02568	.17654	.02959	.02829
GRADIENT		-.00004	-11.03343	-.00011	-.00605	.01407	.00239	.00265

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (SC00C5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

MACH = 1.250 IEABOX = 999.000
IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1491/ O		RN/L = 2.49		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
-4.005	-7.877	1.24839	34.78778	-.00507	.02626	-.02441	-.00562
-4.020	-3.828	1.25063	55.44331	-.00892	.02731	.03242	.00507
-4.009	.156	1.25056	90.39899	-.01040	.00593	.08729	.01510
-3.992	4.119	1.25002	126.55220	-.01616	-.01865	.13650	.02359
	GRADIENT	-.00008	8.94800	-.00091	-.00578	.01310	.00233

RUN NO. 1492/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
-.001	-8.025	1.24899	-.00706	-.03340	.02953	-.02329	-.00562
-.003	-5.125	1.25008	-.00707	.02600	.02068	.02262	.00158
-.003	-4.035	1.25018	-.00704	.02439	.01572	.04043	.00459
-.005	.010	1.25003	-.00683	.02072	-.00754	.10327	.01533
	GRADIENT	-.00004	.00005	-.00091	-.00575	.01554	.00276

RUN NO. 1493/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00	
BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CTW
3.991	-8.076	1.24901	150.97260	.04764	.01838	-.00526	-.00796
3.994	-3.974	1.25019	133.51270	.03575	-.00622	.06630	.00322
3.994	.044	1.25023	89.76359	.02485	-.02811	.13106	.01479
4.000	4.097	1.24983	44.98586	-.01463	-.04241	.18052	.02498
	GRADIENT	-.00005	-10.96962	-.00262	-.00448	.01415	.00270

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC00C6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 999.000
IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1501/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.004	-7.871	1.24879	34.78795	-.02375	.01832	-.01291	-.00456	-.00442
-4.019	-3.829	1.25046	55.44339	-.02384	.02073	.04270	.00589	.00480
-4.008	.154	1.25006	90.39899	-.02190	.00067	.09625	.01568	.01365
-3.990	4.108	1.24964	126.55210	-.02141	-.01841	.14386	.02377	.02221
	GRADIENT	-.00010	8.95949	.00031	-.00493	.01275	.00225	.00219

RUN NO. 1502/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.000	-8.015	1.24890	-.00695	.01193	.02706	-.01415	-.00474	-.00595
-.002	-5.122	1.25039	-.00700	.01085	.01794	.03001	.00382	.00128
-.002	-4.023	1.25016	-.00699	.01001	.01277	.04806	.00718	.00425
-.003	.008	1.25006	-.00685	.00677	-.00702	.10966	.01808	.01510
	GRADIENT	-.00002	.00003	-.00080	-.00491	.01528	.00270	.00269

RUN NO. 1503/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.986	-8.066	1.24898	151.01200	.02486	.01580	.00248	-.00181	-.00832
3.994	-3.964	1.25039	133.47290	.01827	-.00401	.07170	.01082	.00292
3.989	.048	1.25020	89.76359	.01790	-.02243	.13396	.02160	.01468
4.000	4.094	1.24974	44.98587	.01456	-.03831	.18245	.02971	.02494
	GRADIENT	-.00008	-10.98188	-.00046	-.00426	.01374	.00234	.00273

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3

(SC00C7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = 999.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1505/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.005	-7.914	1.29910	34.70801	-.01633	.02457	-.00970	-.00403	-.00386
-4.021	-3.833	1.29985	55.48304	-.01846	.01240	.04548	.00650	.00420
-4.007	.117	1.30036	90.08128	-.01790	-.00579	.09634	.01566	.01289
-3.990	4.110	1.29976	126.55210	-.02100	-.02435	.14176	.02333	.02144
GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT

RUN NO. 1506/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.000	-8.040	1.29929	-.00698	.02083	.02222	-.01026	-.00383	-.00646
-.002	-4.007	1.30018	-.00699	.01881	.00241	.05052	.00758	.00338
-.004	.021	1.30015	-.00685	.01429	-.01699	.11119	.01827	.01390
-.004	3.995	1.29944	-.00663	.00637	-.03427	.15821	.02611	.02310
GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT

RUN NO. 1507/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.994	-8.049	1.29904	150.81310	.03697	.00836	.00119	-.00211	-.00899
3.991	-3.984	1.30020	133.55230	.02714	-.01358	.06863	.01013	.00131
3.991	.056	1.30033	89.56503	.02091	-.03320	.13254	.02130	.01255
3.998	4.091	1.29978	44.98605	.01056	-.04668	.18200	.02950	.02298
GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT	GRADIENT

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3 (SC00C8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = 999.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 1508/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.995	-7.854	1.34949	34.98821	-.00901	.02387	-.00593	-.00322	-.00408
-4.018	-3.811	1.35039	55.84089	-.01236	.00562	.04625	.00663	.00358
-4.004	.128	1.35019	90.35928	-.01217	-.00999	.09608	.01555	.01225
-4.001	4.202	1.34965	127.10940	-.01776	-.02767	.14243	.02337	.02126
	GRADIENT	-.00009	8.89535	-.00068	-.00416	.01200	.00209	.00221

RUN NO. 1509/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.000	-8.031	1.34904	-.00697	.02789	.01759	-.00857	-.00350	-.00719
-.002	-4.000	1.34993	-.00700	.02437	-.00511	.05266	.00779	.00250
-.004	.015	1.34993	-.00684	.01676	-.02170	.11101	.01804	.01274
-.004	3.993	1.34910	-.00661	.00682	-.04127	.15858	.02600	.02206
	GRADIENT	-.00010	.00005	-.00220	-.00452	.01325	.00228	.00245

RUN NO. 1510/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.993	-8.050	1.34912	150.77300	.04284	-.00113	.00236	-.00205	-.00927
3.996	-4.042	1.35026	133.79140	.03082	-.02354	.06645	.00965	-.00037
3.989	.056	1.34977	89.44589	.01808	-.03834	.12877	.02057	.01036
3.999	4.087	1.35056	45.02575	.00197	-.05360	.17897	.02894	.02085
	GRADIENT	.00004	-10.91989	-.00355	-.00370	.01385	.00237	.00261

PARAMETRIC DATA

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(SC00C9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

MACH = 1.400 IEABOX = 999.000
IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO.	1512/ O	RN/L = 2.50	GRADIENT INTERVAL = -5.00/	5.00
BETA	ALPHA	MACH	PHI	CTW
-3.995	-7.861	1.39965	35.02819	-0.00417
-4.021	-3.816	1.40070	55.95997	0.00334
-4.001	.119	1.40036	90.35927	0.1209
-3.992	4.109	1.39957	126.51250	0.02000
GRADIENT		-0.00014	8.90338	0.00210

RUN NO.	1513/ O	RN/L = 2.50	GRADIENT INTERVAL = -5.00/	5.00
BETA	ALPHA	MACH	PHI	CTW
-0.001	-8.015	1.39954	-0.00699	-0.00759
-0.005	-4.004	1.40014	-0.04655	0.00100
-0.004	.018	1.40001	-0.04642	0.11114
3.996	3.996	1.39942	-0.00661	0.02564
GRADIENT		-0.00009	0.00498	0.00224

RUN NO.	1514/ O	RN/L = 2.50	GRADIENT INTERVAL = -5.00/	5.00
BETA	ALPHA	MACH	PHI	CTW
3.987	-8.061	1.39940	150.73230	-0.00955
4.003	-3.974	1.40056	133.15520	-0.00181
3.997	.070	1.39980	89.04875	0.00846
3.997	4.075	1.40025	45.06569	0.01904
GRADIENT		-0.00004	-10.94353	0.00259

CHEI	CHEO	CNW	CBW
-0.00393	0.1881	-0.00201	-0.00260
-0.00637	-0.00161	0.04954	0.00697
-0.00802	-0.01538	0.09813	0.01564
-0.01388	-0.03287	-0.14117	0.02295
-0.00095	-0.00395	0.11156	0.00202

CHEI	CHEO	CNW	CBW
0.03061	0.00729	-0.00546	-0.00320
0.02364	-0.01591	0.03342	0.00768
0.01339	-0.03044	0.11152	0.01788
0.00335	-0.04651	0.15830	0.02564
-0.00254	-0.00383	0.01311	0.00224

CHEI	CHEO	CNW	CBW
0.04606	-0.00710	0.00191	-0.00227
0.02794	-0.03085	0.06323	0.00880
0.01085	-0.04255	0.12718	0.02000
-0.00850	-0.05649	0.17727	0.02835
-0.00453	-0.00319	0.01417	0.00243

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3 (SC00D0) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = 999.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1515/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.950	-7.869	1.54814	34.91298	.00669	.00151	.00140	-.00227	-.00514
-3.932	-3.768	1.54965	56.12310	-.00325	-.01690	.05078	.00680	.00167
-3.906	.122	1.55050	90.83574	-.00707	-.02804	.09678	.01501	.01016
-3.908	4.054	1.54944	126.82620	-.01446	-.04145	.13426	.02143	.01776
GRADIENT	-.00003	9.03875		-.00143	-.00314	.01067	.00187	.00206

RUN NO. 1516/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.000	-7.941	1.54847	-.00693	.02912	-.00843	-.00006	-.00253	-.00797
-.002	-3.904	1.55005	-.00697	.01030	-.02771	.04863	.00618	-.00172
-.003	.114	1.54974	-.00684	-.00219	-.04076	.10557	.01643	.00704
-.006	4.096	1.54728	-.04619	-.01502	-.05209	.15349	.02438	.01724
GRADIENT	-.00035	-.00490		-.00316	-.00305	.01311	.00228	.00237

RUN NO. 1517/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.036	-8.158	1.54800	150.57840	.03498	-.01777	.00761	-.00189	-.00928
4.063	-4.060	1.54934	132.84080	.00933	-.03811	.05394	.00629	-.00398
4.099	.059	1.54965	88.57201	-.01251	-.04974	.11521	.01723	.00393
4.066	4.140	1.54923	45.02102	-.03251	-.05934	.16324	.02653	.01430
GRADIENT	-.00001	-10.70976		-.00510	-.00259	.01406	.00247	.00223

IA613A(AEDC 16TF-829) QT (MIRROR) + ASRM + S1,2

(SC00D1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1720/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.001	-8.095	.5982	-153.34010	.00916	.00686	-.01204	-.00182	-.00709
-4.000	-4.003	.6092	-135.69660	.00733	.00754	.02681	.00502	.00293
-4.001	-.006	.60068	-88.44800	.00509	.00775	.06505	.01189	.01255
-4.003	3.976	.59947	-43.04343	.00373	.00140	.10746	.01962	.02229
GRADIENT	-.00018	11.61130		-.00045	-.00077	.01011	.00183	.00243

RUN NO. 1721/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.013	.59905	-.00669	.01889	.01207	-.02160	-.00327	-.00899
.001	-3.930	.60059	-.00684	.01774	.01113	.02305	.00453	.00252
.001	-.002	.60120	-.00691	.01683	.00985	.06818	.01233	.01424
-.000	4.066	.60024	-.00691	.01570	.00209	.11595	.02098	.02574
GRADIENT	-.00004	-.00001		-.00026	-.00113	.01162	.00206	.00290

RUN NO. 1722/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.000	-8.092	.59864	153.41510	.03005	.01390	-.01601	-.00282	-.00730
3.996	-4.023	.60076	136.09960	.02852	.01148	.03505	.00601	.00568
3.995	-.010	.60109	88.96934	.02652	.00800	.08405	.01470	.01798
3.999	3.968	.60071	43.23491	.02323	-.00040	.13144	.02351	.02941
GRADIENT	-.00001	-11.62148		-.00066	-.00149	.01206	.00219	.00297

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2 (SC00D2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1724/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	-8.097	.79825	-152.53870	.00197	.00450	-.00663	-.00159	-.00783
-3.999	-4.009	.80030	-134.97990	.00109	.00543	.03476	.00576	.00249
-3.992	-.077	.80010	-89.63912	.00014	.00825	.07363	.01261	.01253
-4.005	3.929	.79984	-44.31657	-.00024	.00437	.11928	.02080	.02315
	GRADIENT	-.00006	11.42131	-.00017	-.00014	.01065	.00189	.00260

RUN NO. 1725/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.003	-8.046	.80001	-.00660	.01465	.00951	-.01776	-.00340	-.00979
.002	-4.008	.80042	-.00681	.01472	.00968	.02901	.00473	.00229
.001	-.015	.79953	-.00691	.01636	.01137	.07689	.01297	.01482
.000	4.075	.79937	-.00693	.01492	.00638	.12904	.02241	.02741
	GRADIENT	-.00013	-.00002	.00002	-.00041	.01238	.00219	.00311

RUN NO. 1726/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-7.996	.79894	152.37390	.03016	.01211	-.00617	-.00211	-.00644
4.001	-4.046	.80054	135.42330	.02964	.01141	.04418	.00683	.00663
3.991	-.059	.80067	90.00190	.02826	.01123	.09528	.01583	.01948
4.005	3.909	.79964	44.58757	.02473	.00516	.14904	.02573	.03200
	GRADIENT	-.00011	-11.41930	-.00062	-.00078	.01318	.00238	.00319

REFERENCE DATA
 SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1727/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-7.978	.89972	-151.77750	-.01013	.00070	-.00853	-.00237	-.00805
-3.999	-4.072	.90030	-134.82060	-.01018	.00322	.03142	.00506	.00132
-3.991	-.008	.90020	-88.52742	-.01053	.01124	.07529	.01281	.01155
-3.997	3.991	.89994	-44.19781	-.00768	.00780	.12611	.02190	.02253
	GRADIENT	-.00004	11.24017	.00031	.00057	.01174	.00209	.00263

RUN NO. 1728/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.004	-8.052	.90002	-.00656	.00374	.00353	-.02374	-.00472	-.01089
.003	-4.055	.90042	-.00679	.00582	.00714	.02483	.00377	.00140
.002	-.028	.89989	-.00692	.01075	.01709	.07886	.01316	.01448
.001	3.958	.89956	-.00696	.00932	.01016	.13182	.02206	.02657
	GRADIENT	-.00011	-.00002	.00044	.00038	.01335	.00228	.00314

RUN NO. 1729/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.001	-7.958	.89999	151.81400	.02250	.00571	-.00910	-.00278	-.00721
4.002	-4.055	.90005	134.94580	.02399	.01034	.04396	.00646	.00652
3.996	.008	.90093	88.92963	.02487	.01749	.10365	.01692	.02033
3.997	3.996	.89982	44.30959	.02174	.00343	.15623	.02573	.03124
	GRADIENT	-.00003	-11.25908	-.00028	-.00085	.01395	.00239	.00307

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2 (SCOOD4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1730/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.000	-8.094	.94911	-151.81760	-.01223	.00056	-.01671	-.00406	-.00865
-4.002	-4.078	.95033	-134.50230	-.01161	.00536	.02619	.00385	.00110
-3.994	.033	.95112	-87.77306	-.01261	.01351	.07155	.01199	.01119
-3.998	3.993	.94913	-44.31712	-.01161	.00728	.12016	.02030	.02136
	GRADIENT	-.00015	11.17456	-.00000	.00025	.01164	.00204	.00251

RUN NO. 1731/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.003	-8.058	.95008	-.00658	.00094	.00115	-.02900	-.00582	-.01083
.002	-4.047	.95023	-.00680	.00683	.00738	.02174	.00317	.00143
.001	-.021	.94975	-.00692	.01093	.01758	.07563	.01245	.01415
.000	3.976	.94891	-.00694	.00617	.01052	.12980	.02131	.02544
	GRADIENT	-.00016	-.00002	-.00008	.00039	.01347	.00226	.00299

RUN NO. 1732/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.997	-7.943	.95005	151.49340	.02240	.00559	-.01277	-.00367	-.00677
4.000	-4.054	.95032	134.58750	.02598	.00974	.04268	.00629	.00676
3.989	.042	.95009	88.25451	.02850	.01924	.10230	.01637	.02023
4.001	3.987	.94874	44.42868	.02449	.00106	.15523	.02502	.03018
	GRADIENT	-.00020	-11.21331	-.00018	-.00106	.01400	.00233	.00292

IA613A(AEDC 16TF-829) QT (MIRROR) + ASRM + S1.2 (SC00D5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1733/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.005	-8.101	1.05037	-151.21760	-.03887	.01077	-.03266	-.00674	-.00997
-4.002	-4.018	1.04856	-133.62670	-.02573	.01389	.01769	.00238	.00112
-3.998	.020	1.05056	-88.56712	-.01963	.01729	.06836	.01146	.01195
-3.997	4.004	1.05004	-44.91391	-.01743	.00200	.12310	.02136	.02164
	GRADIENT	.00019	11.05908	.00104	-.00148	.01314	.00237	.00256

RUN NO. 1734/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.004	-8.020	1.04975	-.00657	-.00596	.01873	-.03381	-.00686	-.00950
.002	-4.045	1.05192	-.00680	-.00509	.02532	.02303	.00337	.00332
.001	-.005	1.05087	-.00691	-.00196	.02320	.08731	.01494	.01604
-.000	3.967	1.04964	-.00691	.00035	.00191	.14271	.02390	.02637
	GRADIENT	-.00028	-.00001	.00068	-.00292	.01494	.00256	.00288

RUN NO. 1735/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.000	-8.034	1.04953	151.21370	.01258	.02012	-.01383	-.00391	-.00657
3.998	-4.011	1.05084	133.91090	.01087	.02635	.05664	.00863	.00844
4.004	.015	1.05052	89.40618	-.00055	.01298	.12474	.02042	.02048
4.001	4.010	1.04994	44.98579	-.00262	-.01739	.17485	.02821	.03024
	GRADIENT	-.00011	-11.08643	-.00168	-.00545	.01474	.00244	.00272

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2

(SC00D6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

MACH = 1.100 IEABDX = .000
IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1737/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.998	-8.063	1.09762	-151.09670	-.03024	.02211	-.04100	-.00800	-.00925
-4.001	-4.091	1.10122	-134.06450	-.03179	.02352	.00931	.00118	.00110
-4.000	.009	1.10058	-88.72593	-.02514	.02315	.06059	.01048	.01139
-3.999	4.002	1.09949	-44.91381	-.02309	.00390	.11564	.02067	.02052
GRADIENT		-.00021	11.01625	.00108	-.00241	.01314	.00241	.00240

RUN NO. 1738/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.004	-8.092	1.09922	-.00653	.00049	.02783	-.04153	-.00777	-.00926
.003	-4.010	1.10171	-.00679	-.00232	.03068	.01741	.00277	.00375
.002	-.041	1.10070	-.00692	-.00256	.02708	.08117	.01429	.01587
.001	3.964	1.09933	-.00696	-.01154	.00007	.14015	.02447	.02544
GRADIENT		-.00030	-.00002	-.00116	-.00384	.01539	.00272	.00272

RUN NO. 1739/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.996	-8.044	1.09840	151.13320	.01103	.03022	-.02013	-.00462	-.00652
3.998	-4.013	1.10181	133.71190	.00599	.03395	.05035	.00793	.00808
4.000	.015	1.10091	88.85020	.00503	.01223	.11723	.01988	.01986
3.998	4.003	1.09999	44.90646	.00304	-.01395	.17094	.02881	.02930
GRADIENT		-.00023	-11.07786	-.00037	-.00598	.01504	.00261	.00265

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2

(SC00D7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABDX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1740/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.001	-8.028	1.15261	-150.81700	-.02957	.02107	-.03531	-.00724	-.00801
-4.000	-4.077	1.15216	-134.02450	-.02845	.02659	.01757	.00226	.00270
-4.000	.018	1.15150	-88.88475	-.02428	.02360	.07227	.01248	.01237
-4.000	4.013	1.15003	-44.99329	-.02189	.00084	.12188	.02145	.02075
	GRADIENT	-.00026	11.00491	.00081	-.00338	.01290	.00237	.00223

RUN NO. 1741/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.004	-8.014	1.14954	-.00653	.00306	.02629	-.03561	-.00714	-.00817
.003	-4.060	1.15115	-.00678	.00181	.03441	.02696	.00423	.00418
.002	-.032	1.15084	-.00692	-.00169	.01391	.09279	.01621	.01536
.000	3.959	1.14988	-.00695	-.00536	-.00888	.14570	.02510	.02480
	GRADIENT	-.00016	-.00002	-.00089	-.00540	.01481	.00260	.00257

RUN NO. 1742/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.069	1.14814	151.09340	.01860	.03149	-.01308	-.00378	-.00582
4.003	-4.016	1.15052	133.75200	.01039	.02410	.06416	.01042	.00740
4.000	.017	1.15092	89.32676	.00602	-.00562	.12709	.02144	.01855
3.998	4.005	1.15002	45.02583	.01150	-.02438	.17662	.02942	.02827
	GRADIENT	-.00006	-11.06143	.00014	-.00605	.01402	.00237	.00260

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2 (SC00D8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1743/ O RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.005	-8.040	1.25049	-150.61740	-.00864	.02393	-.03145	-.00671	-.00583
-4.003	-4.081	1.25067	-133.74610	-.01153	.02670	.02401	.00381	.00279
-4.000	.014	1.25018	-88.76565	-.01324	.00740	.07617	.01349	.01155
-4.000	4.029	1.25003	-44.99328	-.01870	-.01474	.12665	.02218	.01996
	GRADIENT	-.00008	10.94394	-.00088	-.00511	.01266	.00227	.00212

RUN NO. 1744/ O RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.004	-8.042	1.24956	-.00651	.02774	.02938	-.02640	-.00562	-.00661
.003	-4.036	1.25072	-.00677	.02014	.01469	.03745	.00635	.00347
.002	-.046	1.25015	-.00692	.01770	-.00804	.09962	.01737	.01437
.001	3.955	1.24945	-.00696	.00484	-.02989	.15077	.02592	.02351
	GRADIENT	-.00016	-.00002	-.00192	-.00558	.01418	.00245	.00251

RUN NO. 1745/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
4.005	-8.065	1.24968	150.81440	.04605	.02042	-.00156	-.00172	-.00664
4.002	-4.024	1.25012	133.59280	.03378	-.00406	.06798	.01092	.00435
4.005	.017	1.24979	89.24733	.02383	-.02520	.13036	.02170	.01559
3.998	4.028	1.25005	45.02579	.01477	-.04183	.18021	.02989	.02513
	GRADIENT	-.00001	-10.99917	-.00236	-.00469	.01394	.00236	.00258

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,3

(SC00D9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1698/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.999	-8.035	1.24903	-150.69660	-.02887	.01885	-.02320	-.00560	-.00590
-4.001	-4.013	1.24977	-133.38780	-.02508	.02236	.03204	.00499	.00321
-3.999	.016	1.25027	-89.04356	-.02536	.00233	.08415	.01454	.01176
-3.998	4.012	1.24977	-45.15257	-.02079	-.01685	.13108	.02274	.02019
	GRADIENT	.00000	10.99535	.00053	-.00489	.01234	.00221	.00212

RUN NO. 1699/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.001	-7.988	1.24938	.03273	.00819	.02867	-.01933	-.00478	-.00644
.002	-4.062	1.25036	-.00684	.00636	.01456	.04235	.00687	.00357
.000	-.045	1.25013	-.00690	.00097	-.00810	.10442	.01791	.01427
-.001	3.989	1.24965	-.00688	-.00778	-.02877	.15419	.02628	.02370
	GRADIENT	-.00009	-.00001	-.00176	-.00538	.01389	.00241	.00250

RUN NO. 1700/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.031	1.24925	150.81360	.02527	.02091	.00315	-.00107	-.00656
4.002	-4.017	1.25009	133.63260	.01701	-.00388	.07287	.01154	.00450
4.000	.018	1.25027	89.44588	.01711	-.02392	.13301	.02201	.01593
4.000	4.017	1.24986	45.18484	.00916	-.04014	.18112	.03000	.02545
	GRADIENT	-.00003	-11.00788	-.00098	-.00451	.01347	.00230	.00261

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,3 (SCOEO) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

MACH = 1.300 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1702/ O RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	1.29909	-150.57700		-.01828	.02742	-.01820	-.00481	-.00511
-4.001	1.30003	-133.34800		-.01857	.01333	.03511	.00541	.00321
-3.995	.018	1.30004	-88.84503	-.01950	-.00514	.08766	.01500	.01151
-4.001	4.027	1.29997	-45.03296	-.02257	-.02552	-.13043	.02249	.01957
	GRADIENT	-.00001	10.97207	-.00050	-.00483	.01184	-.00212	.00203

RUN NO. 1703/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.003	-8.072	1.29944	-.00668	.01725	.02277	-.01562	-.00400	-.00681
.001	-4.065	1.30038	-.00684	.01623	.00145	.04456	.00724	.00274
.000	-.037	1.30000	-.00690	.01203	-.01829	.10477	.01784	.01318
-.000	3.958	1.29945	-.00688	.00042	-.03532	.15287	.02582	.02245
	GRADIENT	-.00012	-.00001	-.00197	-.00458	.01350	-.00232	.00246

RUN NO. 1704/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.999	-8.035	1.29981	150.73370	.03743	.00990	.00345	-.00116	-.00719
4.002	-4.008	1.30025	133.47350	.02621	-.01387	.06987	.01082	.00320
3.996	.025	1.30033	89.28703	.02026	-.03238	.13058	.02146	.01402
4.002	4.024	1.29980	45.14491	.01140	-.04661	.17907	.02944	.02373
	GRADIENT	-.00006	-10.99676	-.00184	-.00408	.01360	-.00232	.00256

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,3

(SC00E1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABDX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1706/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.003	1.34917	-150.49710	-0.1011	.02588	-0.1476	-0.0416	-0.00530	
-4.000	-4.012	1.34982	-133.10910	-0.1273	.00419	.03718	.00578	.00232
-4.003	.017	1.35004	-88.56711	-0.1628	-0.1107	.08642	.01475	.01054
-4.002	4.017	1.34991	-45.11248	-0.2225	-0.02687	.12901	.02219	.01914
	GRADIENT	.00001	10.95934	-0.00119	-0.00387	.01144	.00204	.00209

RUN NO. 1707/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-0.001	-7.980	1.34978	.03272	.02366	.01686	-0.1159	-0.00325	-0.00706
.000	-4.046	1.35070	-0.00584	-0.2083	-0.0623	.04732	.00757	.00205
.000	-.034	1.35003	-0.00590	.01345	-0.2244	.10468	.01761	.01212
-0.001	3.991	1.34962	-0.00687	.00245	-0.03994	.15273	.02557	.02158
	GRADIENT	-0.00013	-0.00000	-0.00229	-0.00419	.01312	.00224	.00243

RUN NO. 1708/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.998	-8.044	1.34940	150.69360	.04284	.00120	.00454	-0.00111	-0.00769
4.002	-4.013	1.35003	133.39390	.02966	-0.0480	.07034	.01085	.00152
3.999	.020	1.35002	89.20760	.01671	-0.03806	.12780	.02089	.01204
4.000	4.022	1.34962	45.14501	.00233	-0.05195	.17630	.02886	.02182
	GRADIENT	-0.00005	-10.98207	-0.00340	-0.00338	.01319	.00224	.00253

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,3

(SC00E2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1709/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.007	-8.040	1.39887	-150.41750	-.00446	.02034	-.01434	-.00394	-.00582
-3.999	-4.021	1.39996	-132.98960	-.00946	-.00047	.03749	.00577	.00216
-3.996	.021	1.40000	-88.36860	-.01420	-.01568	.08715	.01485	.01029
-3.998	4.013	1.39953	-45.07299	-.02119	-.03115	-.12782	.02186	.01845
GRADIENT		-.00005	10.94219	-.00146	-.00382	.01124	.00200	.00203

RUN NO. 1710/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-8.066	1.39984	-.00669	.02679	.00808	-.01054	-.00323	-.00758
.001	-4.045	1.40074	-.00685	.01998	-.01693	.04856	.00762	.00086
-.000	-.045	1.40021	-.00690	.01058	-.03191	.10499	.01748	.01061
-.001	3.945	1.39970	-.00686	-.00074	-.04571	.15084	.02510	.01994
GRADIENT		-.00013	-.00000	-.00259	-.00360	.01280	.00219	.00239

RUN NO. 1711/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.997	-8.038	1.40026	150.61350	.04382	-.00585	.00576	-.00105	-.00794
4.002	-4.010	1.40042	133.27450	.02447	-.02924	.06483	.00963	-.00016
3.997	.027	1.40036	88.92962	.00818	-.04252	.12675	.02047	.01016
4.005	4.040	1.39983	45.06513	-.00931	-.05566	.17526	.02846	.02006
GRADIENT		-.00007	-10.95814	-.00420	-.00328	.01372	.00234	.00251

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,3 (SC00E3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1712/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -4.051 -8.139 1.55233 -150.34300 .00400 .00184 -.00937 -.00330 -.00589
 -4.079 -4.160 1.54945 -133.07450 -.00655 -.01719 .03692 .00542 .00048
 -4.095 .024 1.54880 -87.81248 -.01284 -.02824 .08466 .01414 .00880
 -4.067 4.093 1.54889 -44.98856 -.02076 -.04149 .12285 .02073 .01643
 GRADIENT -.00007 10.67347 -.00172 -.00294 .01042 .00186 .00193

RUN NO. 1713/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 .003 -7.967 1.54853 -.00668 .02697 -.00873 -.00409 -.00242 -.00761
 .001 -3.965 1.54918 -.00685 .00794 -.02817 .04356 .00610 -.00156
 .000 .054 1.54804 -.00690 -.00518 -.04181 .09972 .01610 .00703
 -.000 4.064 1.54872 -.00689 -.01925 -.05229 .14632 .02388 .01686
 GRADIENT -.00006 -.00000 -.00339 -.00300 .01280 .00221 .00229

RUN NO. 1714/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 4.046 -8.128 1.54800 150.45960 .03256 -.01760 .00862 -.00079 -.00828
 4.076 -4.091 1.54909 132.92130 .00525 -.03866 .05485 .00728 -.00281
 4.103 .032 1.55000 88.41314 -.01601 -.04924 .11468 .01792 .00534
 4.067 4.083 1.54814 45.14035 -.03603 -.05956 .16669 .02669 .01534
 GRADIENT -.00012 -10.73925 -.00505 -.00256 .01368 .00238

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (SC00E4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 664/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
-.003 -7.895 .59862 .03255 .02222 .00479 -.00847 -.00036 -.00818
.000 -3.945 .59952 -.00688 .01921 .00396 .03566 .00758 .00306
-.000 .077 .60006 -.00689 .01757 .00002 .08211 .01594 .01465
-.001 4.059 .60048 -.00686 .01657 -.00900 .12915 .02482 .02613
GRADIENT .00012 .00000 -.00033 -.00162 .01168 .00215 .00288

PARAMETRIC DATA

MACH = .600 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 665/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
-.003 -7.913 .80005 .03259 .00764 .00432 -.00732 -.00064 -.00924
-.001 -4.026 .79996 .03266 .00728 .00468 .03881 .00757 .00250
-.000 .077 .79968 -.00689 .00846 .00196 .08973 .01666 .01523
.002 3.974 .79940 .03262 .01053 -.00504 .14229 .02638 .02762
GRADIENT -.00007 -.00009 .00041 -.00121 .01293 .00235 .00314

PARAMETRIC DATA

MACH = .800 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (SC00E5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 666/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.038	.90022	.03259	.01523	.00230	-.01968	-.00332	-.00966
.001	-4.530	.90015	-.00686	.01521	.00237	.02530	.00489	.00076
.001	-4.036	.89989	-.00687	.01492	.00233	.03198	.00606	.00247
.000	-.013	.89964	.03268	.01198	.00678	.08650	.01580	.01478
.002	4.092	.89926	.03261	.01583	-.00532	.14158	.02522	.02724
	GRADIENT	-.00009	.00515	.00001	-.00072	.01349	.00236	.00306

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 667/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.044	.94995	-.00679	.00416	-.00151	-.02271	-.00369	-.00993
-.001	-4.026	.94990	.03266	.00765	.00040	.02952	.00586	.00190
.000	-.018	.94966	.03269	.00369	-.00095	.08578	.01607	.01386
-.001	4.085	.94926	-.00685	.00797	-.01796	.14430	.02592	.02588
	GRADIENT	-.00008	-.00489	.00004	-.00227	.01415	.00247	.00296

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (SC00E8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 668/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHED CNW CBW CTW
 -.003 -8.023 1.04957 .03256 .02075 .00545 -.02873 -.00449 -.00886
 .000 -4.045 1.05012 -.00690 .00754 .00759 .02817 .00601 .00343
 -.001 -.021 1.05010 -.00688 .00401 .00361 .09264 .01773 .01610
 -.002 4.085 1.04964 -.00679 .00260 -.01559 .15099 .02780 .02669
 GRADIENT -.00006 .00001 -.00061 -.00286 .01510 .00268 .00286

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 670/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHED CNW CBW CTW
 .001 -8.039 1.09907 -.00679 .05075 .00549 -.03278 -.00494 -.00794
 -.002 -4.747 1.10058 .03265 .03473 .00730 .01463 .00377 .00200
 -.001 -3.999 1.10002 .03266 .03293 .00657 .02460 .00558 .00430
 -.000 -.032 1.10020 .03269 .02551 .00117 .08796 .01713 .01650
 -.001 4.108 1.09942 -.00683 .00718 -.02232 .14761 .02766 .02607
 GRADIENT -.00010 -.00417 -.00302 -.00323 .01515 .00272 .00274

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (SCOOF0) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 671/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -8.055 MACH 1.14914 PHI .03261 CHEI .05071 CHEO .00389 CNW -.02991 CBW -.00477 CTW -.00757
 BETA -.002 -4.050 1.15104 -.00689 .03936 .03400 .00710 .00483
 .000 -.026 1.15031 -.00689 .03146 -.00858 .09870 .01894 .01592
 .001 3.966 1.14943 -.00681 .01468 -.03277 .15221 .02827 .02492
 GRADIENT -.00020 .00001 -.00308 -.00522 .01475 .00264 .00251

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (SCOOF1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 672/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -8.071 MACH 1.24923 PHI .03260 CHEI .05925 CHEO .00562 CNW -.02092 CBW -.00353 CTW -.00688
 BETA -.002 -5.152 1.25046 -.00687 .05084 -.00442 .02720 .00578 .00042
 .000 -4.080 1.24996 -.00689 .04828 -.00834 .04515 .00912 .00336
 .001 -.039 1.24984 -.00689 .04050 -.02825 .10740 .02016 .01420
 .002 3.968 1.25011 -.00679 .02464 -.05218 .15687 .02856 .02347
 GRADIENT .00002 .00001 -.00294 -.00545 .01388 .00242 .00250

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (SC00F2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 675/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	1.34990	-.00674	.05876	-.00376	-.01276	-.00233	-.00851	
.001	1.35005	-.00688	.04775	-.02608	.05165	.00972	.00097	
-.000	1.34994	.03269	.03286	-.04165	.11111	.02014	.01117	
-.002	1.34983	-.00679	.01914	-.06047	.15904	.02801	.02095	
	GRADIENT	-.00003	.00002	-.00357	-.00430	.00229	.00250	

PARAMETRIC DATA

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (SC00F3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 676/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	1.39969	.03261	.05662	-.01149	-.00952	-.00216	-.00851	
-.002	1.40043	.03264	.04473	-.03056	.03949	.00698	-.00199	
-.002	1.40010	.03265	.04082	-.03456	.05228	.00934	-.00017	
-.001	1.39961	-.00689	.02347	-.04794	.11145	.01974	.00965	
.001	3.957	1.39983	.03270	.00924	.15815	.02745	.01939	
	GRADIENT	-.00006	-.00096	-.00404	-.00368	.00233	.00243	

PARAMETRIC DATA

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (SCDOF4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 678/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-7.964	1.54892	-.00679	.04717	-.02269	-.00238	-.00164	-.00826
.000	-3.947	1.54879	-.00689	.02332	-.04499	.04823	.00770	-.00238
-.001	.069	1.54845	-.00689	.00077	-.05640	.10506	.01792	.00558
-.001	4.058	1.54824	-.00681	-.01531	-.06637	.15282	.02589	.01569
	GRADIENT	-.00007	.00001	-.00483	-.00267	.01307	.00227	.00226

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 673/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.994	-8.067	1.29924	150.89310	.06771	-.01089	-.00295	-.00091	-.01030
4.000	-4.008	1.30002	133.63250	.05234	-.03579	.06760	.01208	-.00029
3.992	.005	1.30027	90.51815	.03420	-.05315	.13439	.02357	.01123
4.009	4.108	1.29989	45.34338	.01151	-.07203	.18480	.03208	.02153
	GRADIENT	-.00002	-10.87888	-.00503	-.00447	.01443	.00246	.00269

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (SC00F6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 674/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.997	-7.978	1.34949	150.57350	.06539	-.01930	.00028	-.00065	-.01065
3.997	-4.097	1.34967	134.10970	.04744	-.04145	.06460	.01115	-.00209
3.996	.011	1.35021	90.31959	.02410	-.05583	.13084	.02273	.00899
3.995	3.993	1.34994	45.98097	-.00076	-.07236	.18026	.03095	.01924
	GRADIENT	.00003	-10.89265	-.00596	-.00382	.01431	.00245	.00264

PARAMETRIC DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (SC00F7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 410/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.000	-3.891	.60025	-.00689	.01415	.00793	.02929	.00528	.00424
.000	-3.888	.60012	-.00690	.01413	.00792	.02921	.00529	.00427
	GRADIENT	-.00537	-.00126	-.00614	-.00084	-.03237	.00307	.01186

PARAMETRIC DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (SC00F8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 412/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.000	-3.871	.79996	-.00689	.00771	.00880	.03609	.00577	.00463
-.001	-3.872	.79958	.03266	.00752	.00890	.03598	.00578	.00456
	GRADIENT	.75000	-80.04297	.39258	-.19141	.23438	-.00977	.12891

PARAMETRIC DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(SC00F9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 413/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.000	-3.981	.89963	-.00689	.00116	.00806	.03356	.00514	.00371
.000	-3.973	.89986	-.00689	.00106	.00804	.03368	.00516	.00371
GRADIENT		.03049	.00010	-.01351	-.00299	.01626	.00225	.00086

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(SC00G0) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 414/ O RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.000	-3.969	.94959	-.00690	.00311	.01081	.03054	.00464	.00364
.000	-3.969	.94982	-.00690	.00379	.01097	.03059	.00462	.00363
GRADIENT		-.25000	.00000	-.14160	-.03516	-.02344	.00391	.00098

MACH = .950 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(SC00G1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 415/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.000	-3.979	1.04945	-.00691	-.00070	.02735	.03049	.00474	.00475
.000	-3.975	1.04944	-.00691	-.00066	.02739	.03040	.00476	.00475
GRADIENT		.00000	-.00080	.01338	.00984	-.02488	.00420	.00123

MACH = 1.050 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (SC00G2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 416/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-3.855	1.09980	.03265	.00390	.03093	.02764	.00446	.00552
-.002	-3.864	1.09982	.03265	.00415	.03092	.02735	.00443	.00548
GRADIENT		-.00318	.00010	-.02843	.00144	.03249	.00379	.00404

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (SC00G3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 417/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-3.937	1.15070	.03263	.00836	.03509	.03742	.00609	.00587
-.002	-3.935	1.15021	.03263	.00807	.03539	.03780	.00613	.00594
GRADIENT		-.20588	-.00184	-.10110	.10202	.13051	.01068	.02378

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (SC00G4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 421/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.000	-3.889	1.24953	-.00691	.02348	.01419	.05025	.00830	.00502
-.002	-3.892	1.24956	.03264	.02370	.01425	.04995	.00827	.00501
GRADIENT		-.03846	-15.36388	-.08774	-.02674	.11418	.01232	.00376

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (SC00G5) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 447/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
BETA ALPHA MACH PHI CHEI CHEO CNW CTW
-3.873 1.24958 -.00691 .02383 .04583 .00826 .00463
-3.872 1.24971 .03264 .02378 .04592 .00827 .00465
GRADIENT .00000 27.12207 -.02930 .00684 .05469 .00879 .01172

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (SC00G6) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 451/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
BETA ALPHA MACH PHI CHEI CHEO CNW CTW
-3.804 1.29989 .03264 .02887 .05016 .00888 .00389
-3.809 1.29987 .03264 .02898 .05003 .00887 .00389
GRADIENT .00000 .00066 -.02227 -.03513 .02693 .00175 -.00060

PARAMETRIC DATA

MACH = 1.300 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (SC00G7) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 452/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
BETA ALPHA MACH PHI CHEI CHEO CNW CTW
-3.854 1.34943 .03264 .03307 -.00727 .05006 .00875 .00274
-3.866 1.35009 .03264 .03332 -.00735 .04970 .00871 .00266
GRADIENT -.05611 .00005 -.02052 .00699 .02986 .00388 .00639

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (SC00G8) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABDX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 454/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -3.872 1.39966 .03263 .02934 -.01881 .05084 .00862 .00109
 -3.873 1.40003 -.00692 .02920 -.01879 .05087 .00862 .00110
 GRADIENT -1.50000 60.30859 2.1875 -.03906 -.04688 .00000 -.01416

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3 (SC00G9) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABDX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 458/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -3.921 1.24969 .03266 .01121 .01228 .05006 .00848 .00380
 -3.913 1.24984 .03266 .01094 .01220 .05046 .00852 .00384
 GRADIENT .01852 .00012 -.03394 -.01033 .04977 .00446 .00450

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3 (SC00H0) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABDX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 459/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -3.912 1.40077 -.00690 .01999 -.02035 .05488 .00877 .00061
 -3.911 1.40001 .03265 .01962 -.02043 .05496 .00877 .00059
 GRADIENT -1.00000 76.21875 -.71094 -.14844 .15625 .01172 -.04932

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3

(SC00H1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 461/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -3.855 1.54886 .03269 .00877 -.03397 .05119 .00718 -.00208
 -3.857 1.54841 .03269 .00875 -.03396 .05144 .00720 -.00203
 GRADIENT .50000 -.00521 .01693 -.01563 -.21354 -.01758 -.03483

(SC00H2) (29 JUL 92)

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 763/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH PHI CHEI CHEO CNW CBW CTW
 -3.998 -8.056 .89947 32.87314 -.01970 -.00733 -.00058 -.00091 -.00908
 -4.005 -3.934 .89996 54.13235 -.01954 -.00522 -.04505 .00745 .00104
 -3.996 .002 .89974 90.47840 -.02168 -.00292 .09240 .01588 .01157
 -4.002 4.065 .90006 127.78540 -.01911 -.00836 .14714 .02567 .02373
 GRADIENT .00001 9.20802 .00006 -.00040 .01277 .00228 .00284

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(SC00H3) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 773/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.997	-8.082	1.04732	33.79118	-.04721	-.01388	-.01727	-.00427	-.01015
-4.011	-3.965	1.05168	54.76803	-.04115	-.01030	.03410	.00528	.00064
-4.012	.001	1.05008	90.04156	-.03220	-.01364	.08764	.01485	.01173
-3.998	4.079	1.04964	127.06950	-.03005	-.02431	.14686	.02570	.02235
	GRADIENT	-.00025	8.98889	.00138	-.00175	.01402	.00254	.00270

RUN NO. 775/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-8.040	1.04831	-.00684	-.02080	-.00609	-.02449	-.00551	-.01081
-.002	-4.045	1.05187	.03262	-.02245	-.00146	.03219	.00520	.00140
-.002	-.020	1.05054	-.00688	-.01768	-.00312	.09604	.01686	.01417
.000	4.092	1.04898	.03275	-.01479	-.03243	.15616	.02714	.02472
	GRADIENT	-.00036	.00005	.00094	-.00382	.01523	.00270	.00286

RUN NO. 776/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
3.995	-8.050	1.04788	151.21310	-.00293	-.00285	-.01357	-.00399	-.01076
3.995	-4.076	1.05023	134.42800	-.01088	-.00025	.05902	.00943	.00385
3.993	-.001	1.05064	90.16074	-.01433	-.01279	.12817	.02160	.01665
4.007	4.067	1.04954	45.18432	-.00928	-.04968	.18529	.03129	.02697
	GRADIENT	-.00008	-10.95939	.00020	-.00607	.01551	.00268	.00284

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(SC00H4) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 638/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.003	-8.061	1.09893	.03257	.00290	.00468	-.02434	-.00437	-.00831
-.002	-4.042	1.10135	.03265	-.00247	.00614	.03151	.00596	.00397
-.000	-.027	1.10030	.03269	-.00395	-.00035	.09488	.01758	.01609
.001	4.075	1.09954	.03268	-.01217	-.01961	.15189	.02752	.02572
	GRADIENT	-.00022	.00000	-.00120	-.00318	.01483	.00266	.00268

PARAMETRIC DATA

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(SC00H5) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 653/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.001	-1.049	1.25067	-.08606	.00000	.00000	.00000	.00000	.00000
.001	-1.049	1.25021	-.08606	.00000	.00000	.00000	.00000	.00000
-.002	-8.086	1.24981	.03263	.01168	.00531	-.00767	-.00283	-.00741
.001	-5.169	1.25019	-.00685	.00890	-.00411	.03900	.00631	-.00003
.001	-4.022	1.25007	-.00688	.00866	-.00828	.05763	.00984	.00318
-.001	-.021	1.24971	-.00689	.00841	-.02788	.11756	.02057	.01393
.001	3.964	1.24909	.03268	.00020	-.04410	.16386	.02832	.02345
	GRADIENT	-.00012	.00495	-.00106	-.00449	.01330	.00231	.00254

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(SC00H6) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 655/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-8.076	1.29992	.03265	.01910	.00022	-.00337	-.00206	-.00770
.001	-4.032	1.29989	-.00687	.01606	-.01827	.06020	.01013	.00221
-.000	-.020	1.30002	-.00689	.01283	-.03674	.11893	.02062	.01265
-.001	3.968	1.30008	-.00681	.00360	-.05022	.16420	.02804	.02222
	GRADIENT	.00002	.00001	-.00156	-.00399	.01300	.00224	.00250

PARAMETRIC DATA

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(SC00H7) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 656/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-8.088	1.35007	.03264	.02557	-.00369	-.00225	-.00188	-.00842
.001	-4.048	1.35003	-.00687	.02088	-.02558	.06068	.01005	.00111
-.000	-.034	1.35004	-.00689	.01340	-.04079	.11812	.02030	.01136
-.002	4.094	1.34950	-.00680	.00293	-.05816	.16592	.02824	.02134
	GRADIENT	-.00006	.00001	-.00221	-.00400	.01292	.00223	.00248

PARAMETRIC DATA

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(SCOOH8) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 657/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
-.002	-8.077	1.40016	.03266	.02810	-.01150	-.00032	-.00178	-.00872
.001	-4.857	1.39972	-.00686	.02123	-.03027	.04759	.00728	-.00217
-.001	-4.057	1.39962	.03266	.01873	-.03415	.06033	.00966	-.00029
-.001	-.030	1.40025	-.00689	.00895	-.04750	.11746	.01989	.00974
-.002	3.967	1.39915	-.00680	-.00136	-.06196	.16373	.02757	.01959
	GRADIENT	-.00004	-.00224	-.00253	-.00353	.01319	.00231	.00247

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(SCOOH9) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 658/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	PHI	CHEI	CHEO	CNW	CBW	CTW
.002	-7.984	1.54882	-.00669	.02541	-.02266	.00419	-.00150	-.00882
-.000	-3.941	1.54973	.03271	.00589	-.04470	.05538	.00798	-.00259
.001	.066	1.54961	.03268	-.00701	-.05589	.11044	.01811	.00562
.002	4.191	1.54788	.03262	-.02007	-.06576	.15893	.02627	.01612
	GRADIENT	-.00023	-.00001	-.00319	-.00259	.01273	.00225	.00230

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2 (SCAOIO) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

BETA = .000 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

ALPHA	MACH	BETA	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.997	.600	-.00164	.03265	.00918	.00430	.03229	.00792	.00320
-3.990	.600	.00033	-.00689	.00936	.00432	.03260	.00796	.00317
-4.008	.614	-.00157	.03265	.00932	.00430	.03264	.00791	.00315
-4.035	.645	-.00162	.03265	.00867	.00426	.03463	.00806	.00326
-4.068	.683	-.00152	.03265	.00795	.00451	.03589	.00805	.00322
-3.936	.725	-.00144	.03266	.00648	.00472	.03803	.00831	.00342
-3.968	.751	-.00048	-.00688	.00449	.00475	.03883	.00833	.00339
-3.995	.785	-.00130	.03266	.00181	.00525	.03875	.00825	.00327
-4.021	.806	-.00059	-.00688	-.00005	.00577	.03821	.00814	.00309
-4.028	.815	-.00132	.03266	-.00051	.00580	.03783	.00808	.00300
-4.038	.832	-.00050	-.00688	-.00189	.00453	.03767	.00801	.00278
-4.062	.863	-.00135	.03266	-.00298	.00148	.03539	.00755	.00234
-4.014	.947	-.00142	.03266	.00222	.00928	.03010	.00628	.00264
-3.988	.916	-.00129	.03266	-.00085	.00385	.03428	.00705	.00251
-3.990	.919	-.00133	.03266	-.00031	.00437	.03458	.00703	.00255
-3.965	.902	.00042	-.00688	-.00120	.00218	.03597	.00728	.00250
-3.989	.933	-.00134	.03266	-.00013	.00530	.03422	.00683	.00262
-4.000	.947	-.00129	.03266	.00133	.00914	.03159	.00631	.00251
-4.005	.948	-.00134	.03266	.00212	.00994	.03130	.00622	.00248
-3.956	.899	.00044	-.00688	-.00183	.00202	.03716	.00729	.00254
-4.032	.970	-.00134	.03266	.00017	.00482	.02963	.00607	.00201
-4.042	.979	-.00138	.03266	-.00042	.00379	.02870	.00593	.00196
-4.050	.987	.00025	-.00689	-.00097	.00284	.02880	.00595	.00204
-4.080	1.002	.00027	-.00689	-.00308	.00264	.03084	.00625	.00243
-4.091	1.019	-.00162	.03265	-.00583	.00166	.03201	.00648	.00257
-4.078	1.011	-.00155	.03265	-.00484	.00174	.03207	.00647	.00252
-4.106	1.042	-.00184	.03264	-.00456	.00499	.02991	.00620	.00279
-3.963	1.067	-.00037	-.00692	-.00468	.00786	.03392	.00699	.00424
-3.995	1.088	-.00009	-.00691	-.00105	.00733	.02824	.00634	.00338
-3.902	.976	-.00126	.03266	-.00027	.00352	.03102	.00626	.00211
-3.977	1.076	-.00198	.03263	-.00306	.00766	.03280	.00690	.00409
-3.974	1.080	-.00199	.03263	-.00193	.00736	.03153	.00676	.00389
-3.984	1.097	-.00172	.03264	-.00105	.00762	.02681	.00607	.00321
-3.969	1.103	-.00177	.03264	-.00110	.00763	.02737	.00609	.00330
-3.902	1.147	-.00180	.03264	.00309	.00987	.03838	.00785	.00440
-4.024	1.151	-.00192	.03263	.00373	.01085	.00762	.00762	.00403
-4.017	1.154	-.00183	.03264	.00489	.01061	.03806	.00775	.00411
-4.000	1.154	-.00177	.03264	.00467	.01030	.03846	.00779	.00409
-4.044	1.112	-.00147	.03265	-.00136	.00853	.03077	.00633	.00351
-4.017	1.217	-.00182	.03264	.01668	.00262	.04111	.00915	.00327
-4.020	1.248	-.00198	.03263	.02042	-.00571	.04652	.00955	.00269
-4.020	1.255	-.00187	.03264	.02152	-.00652	.04711	.00958	.00261
-4.012	1.256	-.00175	.03264	.02234	-.00687	.04761	.00964	.00258

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2

(SCOAIO) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

BETA = .000 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 6031/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.953	1.172	.00188	.03264	.00563	.00840	.04233	.00842	.00387
-4.012	1.280	.00171	.03264	.02563	-.01167	.04885	.00988	.00214
-4.016	1.300	.00185	.03264	.02600	-.01633	.04981	.00997	.00186
-4.004	1.299	.00171	.03264	.02627	-.01633	.05016	.00999	.00187
-3.995	1.299	.00010	-.00690	.02680	-.01646	.05002	.01000	.00183
-3.992	1.301	.00154	.03265	.02767	-.01647	.05016	.00997	.00185
-3.993	1.310	.00170	.03264	.02787	-.01765	.05041	.00995	.00181
	GRADIENT	.00144	.01639	.02456	-.01931	.01826	.00228	-.00057

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(SCOBIO) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT.
LREF = 474.8100 INCHES
BREF = 936.6800 INCHES
SCALE = .0300

XMRP = 976.0000 IN. XT
YMRP = .0000 IN. YT
ZMRP = 400.0000 IN. ZT

BETA = .0000 IEABOX = .0000
IB-ELV = 10.0000 OB-ELV = 9.0000

PARAMETRIC DATA

RUN NO. 6032/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.986	1.305	.00016	-.00690	.02744	-.01714	.05051	.00998	.00173
-3.968	1.295	-.00158	.03265	.02730	-.01596	.05109	.01003	.00187
-3.978	1.295	.00006	-.00690	.02748	-.01588	.05087	.00998	.00184
-3.976	1.299	.00012	-.00690	.02723	-.01632	.05127	.01002	.00185
-3.988	1.300	-.00166	.03265	.02731	-.01639	.05111	.01000	.00183
-3.988	1.300	-.00168	.03264	.02744	-.01650	.05126	.00998	.00186
-3.998	1.299	.00015	-.00690	.02754	-.01642	.05135	.00998	.00189
-4.010	1.300	-.00169	.03264	.02731	-.01637	.05117	.00994	.00190
-4.012	1.299	-.00162	.03265	.02748	-.01636	.05130	.00995	.00193
-4.026	1.302	.00011	-.00690	.02751	-.01652	.05122	.00992	.00194
-4.020	1.300	-.00170	.03264	.02758	-.01629	.05127	.00992	.00200
-4.023	1.300	-.00162	.03265	.02741	-.01629	.05133	.00993	.00197
-4.024	1.300	-.00162	.03265	.02759	-.01620	.05131	.00993	.00198
-4.013	1.251	-.00167	.03264	.02077	-.00747	.04890	.00948	.00264
-4.026	1.299	-.00180	.03264	.02746	-.01617	.05128	.00990	.00197
-4.014	1.346	-.00005	-.00691	.03172	-.02236	.05230	.00996	.00114
-4.017	1.354	-.00181	.03264	.03096	-.02463	.05218	.00996	.00082
-4.011	1.349	-.00001	-.00690	.03141	-.02356	.05241	.00996	.00104
-4.011	1.344	-.00007	-.00690	.03129	-.02249	.05221	.00992	.00120
-4.069	1.377	-.00015	-.00691	.03003	-.02899	.05177	.00976	.00024
-4.073	1.386	-.00018	-.00691	.02939	-.02996	.05139	.00962	-.00002
-4.082	1.393	-.00188	.03264	.02934	-.03049	.05111	.00950	-.00024
-4.086	1.402	-.00014	-.00691	.02830	-.03145	.05075	.00940	-.00049
-4.083	1.382	-.00023	-.00691	.02981	-.03070	.05169	.00953	-.00018
-3.913	1.210	-.00160	.03265	-.00464	.00767	.03721	.00665	.00409
-4.015	1.146	.00031	-.00689	.01864	.00673	.03088	.00606	.00408
-4.017	1.164	-.00176	.03264	.00506	.00728	.02568	.00509	.00316
-4.072	1.186	-.00151	.03265	-.00051	.00263	.02169	.00409	.00186
-4.107	1.422	-.00143	.03266	.02895	-.03411	.04695	.00890	-.00104
-3.945	1.495	-.00163	.03265	.01834	-.04052	.04828	.00828	-.00226
-3.944	1.523	-.00172	.03264	.01542	-.04139	.04341	.00800	-.00250
-3.921	1.514	-.00013	-.00691	.01663	-.04122	.04373	.00806	-.00237
-3.900	1.499	.00039	-.00689	.01823	-.04153	.04503	.00832	-.00219
-3.901	1.497	.00080	-.00687	.01954	-.04148	.04545	.00839	-.00220
-3.917	1.560	.00015	-.00690	.01285	-.04339	.04300	.00768	-.00298
-3.914	1.570	-.00152	.03265	.01154	-.04395	.04303	.00758	-.00312
-3.901	1.548	.00028	-.00689	.01258	-.04364	.04434	.00781	-.00292
-3.890	1.540	-.00130	.03266	.01358	-.04344	.04513	.00732	-.00281
-3.882	1.500	-.00089	-.00689	.01897	-.04196	.04751	.00848	-.00227
-3.906	1.460	.00057	-.00688	.02441	-.03968	.05097	.00919	-.00143
GRADIENT		.00192	-.02951	-.00484	-.12892	.01229	.00032	-.01819

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SCOAII) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 7981/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.986	.599	.00031	-.00689	.00887	.00379	.03892	.00737	.00357
-3.973	.599	-.00159	.03265	.00852	.00376	.03925	.00743	.00360
-3.995	.625	-.00155	.03265	.00826	.00365	.03930	.00738	.00352
-3.983	.622	.00037	-.00689	.00842	.00376	.03958	.00746	.00349
-4.010	.638	.00038	-.00689	.00805	.00361	.03955	.00741	.00341
-4.036	.665	-.00162	.03265	.00782	.00352	.04098	.00751	.00350
-4.058	.687	.00042	-.00688	.00734	.00326	.04085	.00749	.00346
-4.024	.709	.00028	-.00689	.00635	.00306	.04095	.00750	.00319
-4.052	.730	-.00153	.03265	.00518	.00294	.04155	.00753	.00317
-4.060	.748	.00040	-.00689	.00389	.00278	.04167	.00750	.00310
-4.086	.766	-.00150	.03265	.00234	.00274	.04145	.00752	.00297
-4.106	.786	.00042	-.00688	-.00040	.00403	.04143	.00751	.00290
-4.014	.800	.00040	-.00689	-.00151	.00353	.04201	.00764	.00304
-4.017	.800	.00050	-.00688	-.00148	.00331	.04209	.00763	.00302
-4.008	.798	-.00141	.03266	-.00126	.00320	.04191	.00764	.00302
-4.022	.812	.00044	-.00688	-.00261	.00342	.04148	.00757	.00286
-4.020	.818	-.00144	.03266	-.00341	.00326	.04141	.00754	.00276
-4.040	.832	.00047	-.00688	-.00430	.00207	.04085	.00746	.00256
-4.058	.860	-.00148	.03265	-.00485	-.00068	.03843	.00699	.00222
-4.117	.906	.00035	-.00689	-.00253	-.00020	.03429	.00613	.00196
-3.975	.901	.00017	-.00690	-.00280	-.00029	.03648	.00647	.00231
-3.985	.901	.00035	-.00689	-.00295	.00009	.03701	.00648	.00226
-3.985	.900	-.00147	.03265	-.00342	.00040	.03705	.00645	.00226
-3.972	.892	.00023	-.00689	-.00378	.00006	.03792	.00658	.00223
-4.003	.921	.00025	-.00689	-.00233	.00191	.03586	.00614	.00234
-3.999	.921	.00032	-.00689	-.00320	.00194	.03758	.00615	.00237
-3.988	.909	.00021	-.00689	-.00320	.00111	.03758	.00634	.00232
-4.017	.940	.00027	-.00689	-.00198	.00296	.03410	.00564	.00235
-4.024	.940	.00027	-.00689	-.00115	.00319	.03402	.00559	.00236
-4.016	.940	.00023	-.00689	-.00135	.00315	.03456	.00562	.00239
-3.998	.928	-.00153	.03265	-.00209	.00241	.03653	.00597	.00242
-4.029	.950	.00029	-.00689	-.00083	.00682	.03227	.00508	.00230
-4.036	.950	.00023	-.00689	-.00243	.00595	.03231	.00507	.00223
-4.031	.950	-.00154	.03265	-.00170	.00583	.03262	.00510	.00229
-4.012	.942	.00021	-.00689	-.00298	.00358	.03463	.00546	.00241
-4.046	.958	-.00154	.03265	-.00084	.00791	.03085	.00478	.00218
-4.053	.959	.00025	-.00689	-.00076	.00742	.03063	.00479	.00209
-4.033	.952	.00012	-.00690	-.00179	.00640	.03231	.00503	.00222
-4.075	.974	.00028	-.00689	-.00041	.00395	.02901	.00473	.00181
-4.083	.979	.00017	-.00690	.00028	.00367	.02909	.00472	.00184
-4.085	.979	-.00153	.03265	-.00030	.00359	.02921	.00471	.00182
-4.053	.962	.00026	-.00689	-.00001	.00802	.03021	.00468	.00199
-4.087	.993	.00009	-.00690	-.00098	.00263	.02993	.00488	.00210

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SCCAI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT BETA = .000 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 7981/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.120	1.015	.00002	-.00690	-.00447	.00030	.03270	.00538	.00242
-3.981	1.018	-.00016	-.00691	-.00475	-.00018	.03453	.00575	.00283
-3.980	1.016	-.00000	-.00690	-.00415	-.00006	.03472	.00575	.00283
-3.981	1.019	-.00009	-.00691	-.00469	-.00032	.03491	.00578	.00283
-3.978	1.024	-.00014	-.00691	-.00543	-.00070	.03488	.00581	.00292
-3.992	1.029	-.00186	.03264	-.00626	-.00029	.03465	.00582	.00291
-4.007	1.049	-.00039	-.00692	-.00552	.00458	.03377	.00574	.00330
GRADIENT		.00060	-.02994	-.02874	-.00226	-.02402	-.00678	-.00294

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SC0BI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA = .000
 IB-ELV = 10.000
 OB-ELV = 9.000

RUN NO. 7982/ 0 RN/L = 2.66

ALPHA	MACH	BETA	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.002	1.048	-.00051	-.00692	-.00565	.00475	.03368	.00570	.00325
-4.000	1.042	-.00032	-.00692	-.00569	.00310	.03277	.00551	.00292
-4.012	1.040	-.00045	-.00692	-.00627	.00278	.03228	.00543	.00281
-3.999	1.064	-.00058	-.00693	-.00615	.00537	.03518	.00536	.00393
-3.987	1.063	-.00062	-.00693	-.00605	.00548	.03558	.00600	.00401
-4.000	1.059	-.00051	-.00692	-.00570	.00499	.03497	.00588	.00378
-4.003	1.041	-.00038	-.00692	-.00591	.00295	.03325	.00551	.00296
-4.014	1.078	-.00217	.03262	-.00469	.00581	.03351	.00586	.00390
-4.012	1.079	-.00053	-.00693	-.00433	.00575	.03308	.00582	.00387
-4.007	1.080	-.00219	.03262	-.00417	.00564	.03319	.00581	.00389
-4.006	1.080	-.00056	-.00693	-.00401	.00568	.03299	.00579	.00389
-4.004	1.080	-.00045	-.00692	-.00408	.00566	.03303	.00580	.00392
-4.007	1.080	-.00055	-.00693	-.00409	.00561	.03313	.00582	.00394
-4.008	1.080	-.00047	-.00692	-.00476	.00564	.03322	.00582	.00392
-4.009	1.080	-.00058	-.00693	-.00469	.00557	.03306	.00579	.00390
-4.001	1.080	-.00054	-.00693	-.00485	.00563	.03338	.00584	.00397
-4.000	1.075	-.00058	-.00693	-.00534	.00597	.03478	.00600	.00417
-3.943	1.011	-.00005	-.00690	-.00345	.00157	.03599	.00571	.00303
-3.939	1.069	-.00231	.03262	-.00655	.00612	.03696	.00621	.00433
-3.925	1.079	-.00219	.03262	-.00469	.00583	.03517	.00607	.00411
-3.930	1.100	-.00196	-.00692	-.00506	.00552	.03028	.00531	.00332
-3.843	1.162	-.00051	-.00692	-.00104	.01002	.04375	.00763	.00446
-3.996	1.101	-.00181	.03264	-.00536	.00530	.03151	.00526	.00405
-3.979	1.100	-.00184	.03264	-.00564	.00527	.03145	.00527	.00400
-3.974	1.089	-.00011	-.00691	-.00614	.00575	.03154	.00541	.00374
-3.957	1.080	-.00182	.03264	-.00594	.00573	.03201	.00550	.00384
-3.965	1.081	-.00010	-.00691	-.00616	.00587	.03470	.00585	.00439
-3.972	1.083	-.00024	-.00691	-.00665	.00591	.03317	.00562	.00413
-3.935	1.137	-.00010	-.00691	-.00685	.00596	.03243	.00554	.00398
-3.935	1.147	-.00179	.03264	-.00097	.00885	.04175	.00708	.00492
-3.934	1.150	-.00018	-.00691	-.00054	.00841	.04214	.00714	.00491
-3.930	1.150	-.00185	.03264	-.00043	.00843	.04206	.00714	.00489
-3.923	1.133	-.00174	.03264	-.00314	.00857	.04137	.00687	.00507
-3.920	1.027	-.00004	-.00690	-.00763	-.00010	.03857	.00602	.00384
-3.880	.986	.00028	-.00689	-.00105	.00344	.03489	.00524	.00315
-4.083	1.006	-.00032	-.00689	-.00215	.00290	.03446	.00516	.00315
-4.065	1.092	-.00177	.03264	-.00690	.00558	.02874	.00482	.00329
-4.008	1.151	-.00185	.03264	-.00005	.00848	.04034	.00685	.00490
-4.016	1.185	-.00020	-.00691	.00849	.00400	.04458	.00781	.00467
-4.012	1.198	-.00022	-.00691	.01169	.00251	.04572	.00811	.00439
-4.051	1.246	-.00185	.03264	-.02157	-.00689	.04780	.00861	.00365
-4.042	1.250	-.00014	-.00691	.02193	-.00751	.04839	.00866	.00367

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (SC0C11) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7983/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.038	1.251	-.00190	.03264	.02214	-.00759	.04866	.00868	.00367
-4.037	1.236	-.00013	-.00691	.02032	-.00595	.04826	.00863	.00373
-4.030	1.227	-.00185	.03264	.01833	-.00479	.04841	.00865	.00383
-4.029	1.228	-.00003	-.00690	.01841	-.00487	.04837	.00864	.00382
-4.045	1.253	-.00184	.03264	.02298	-.00774	.04859	.00867	.00351
-4.046	1.263	-.00006	-.00691	.02460	-.00888	.04925	.00877	.00329
-4.048	1.272	-.00174	.03264	.02687	-.01034	.04950	.00883	.00310
-4.046	1.280	-.00006	-.00690	.02769	-.01226	.05015	.00893	.00297
-4.043	1.294	-.00005	-.00691	.02914	-.01526	.05077	.00901	.00281
-4.054	1.307	-.00002	-.00690	.02971	-.01789	.05112	.00905	.00269
-4.046	1.311	-.00004	-.00691	.03011	-.01810	.05126	.00905	.00268
-4.061	1.321	-.00007	-.00691	.03144	-.01892	.05169	.00908	.00251
-4.043	1.327	-.00018	-.00691	.03200	-.01943	.05214	.00913	.00235
-4.038	1.326	-.00187	.03264	.03187	-.01950	.05229	.00916	.00239
-4.043	1.332	-.00014	-.00691	.03258	-.02036	.05281	.00925	.00225
-4.047	1.342	-.00021	-.00691	.03368	-.02175	.05280	.00920	.00194
-4.038	1.346	-.00196	.03263	.03378	-.02270	.05302	.00921	.00180
-4.042	1.362	-.00014	-.00691	.03216	-.02702	.05350	.00928	.00126
-4.043	1.354	-.00181	.03264	.03319	-.02521	.05352	.00926	.00154
-4.039	1.356	-.00013	-.00691	.03290	-.02576	.05365	.00926	.00145
-4.043	1.362	-.00020	-.00691	.03243	-.02699	.05370	.00925	.00120
-4.057	1.367	-.00013	-.00691	.03223	-.02762	.05340	.00917	.00101
-4.106	1.376	-.00023	-.00691	.03264	-.02908	.05319	.00912	.00079
-3.990	1.382	-.00185	.03264	.03227	-.03057	.05486	.00938	.00095
-3.988	1.390	-.00019	-.00691	.03179	-.03072	.05482	.00929	.00070
-3.993	1.407	-.00208	.03263	.03037	-.03164	.05399	.00908	.00027
-3.993	1.404	-.00033	-.00692	.03049	-.03198	.05407	.00910	.00025
-4.002	1.388	-.00045	-.00692	.03178	-.03118	.05495	.00920	.00035
-3.974	1.278	-.00228	.03262	.01361	-.02330	.05809	.00956	.00079
-3.955	1.360	-.00026	-.00691	.03156	-.03013	.05524	.00933	.00074
-4.018	1.381	-.00049	-.00692	.03244	-.03040	.05509	.00913	.00057
-4.028	1.378	-.00021	-.00691	.03275	-.03001	.05502	.00914	.00062
-4.036	1.383	-.00019	-.00691	.03273	-.03076	.05466	.00904	.00025
-4.041	1.393	-.00021	-.00691	.02996	-.03308	.05346	.00878	-.00047
-4.046	1.402	-.00186	.03264	.02932	-.03176	.05126	.00832	-.00041
-4.056	1.410	.00001	-.00690	.03461	-.03248	.05211	.00853	-.00032
-4.048	1.415	.00003	-.00690	.03324	-.03370	.05257	.00852	-.00045
-4.049	1.419	-.00160	.03265	.03189	-.03304	.05302	.00856	-.00043
-4.048	1.421	.00024	-.00689	.03157	-.03315	.05390	.00867	-.00035
-4.042	1.432	.00055	-.00688	.03111	-.03404	.05411	.00867	-.00050
-4.046	1.448	.00056	-.00688	.02866	-.03564	.05284	.00840	-.00111
-4.045	1.456	.00054	-.00688	.02828	-.03599	.05234	.00826	-.00121
-4.053	1.463	.00071	-.00687	.02502	-.03704	.05124	.00798	-.00167

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (SCOCI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

BETA = .0000 IEABOX = .000
 IB-ELV = 10.0000 OB-ELV = 9.0000

PARAMETRIC DATA

RUN NO. 7983/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	PHI	CHEI	CHEO	CNW	CBW	CTW
-4.048	1.468	.00082	-.00687	.02520	-.03723	.05142	.00799	-.00168
-4.050	1.472	-.00085	.03268	.02451	-.03727	.05138	.00796	-.00171
-4.022	1.478	.00076	-.00587	.02439	-.03721	.05130	.00790	-.00164
-3.885	1.484	.00068	-.00687	.02318	-.03764	.05267	.00814	-.00141
-3.872	1.528	-.00167	.03265	.01693	-.03960	.05072	.00761	-.00179
-3.872	1.542	-.00004	-.00690	.01537	-.04050	.05076	.00751	-.00194
-3.863	1.550	-.00153	.03265	.01394	-.04091	.05073	.00747	-.00209
	GRADIENT	.00283	-.01471	-.00386	-.12152	.00754	-.00403	-.02118

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (SCODI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

BETA = .0000 IEABOX = .000
 IB-ELV = 10.0000 OB-ELV = 9.0000

PARAMETRIC DATA

RUN NO. 7984/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	PHI	CHEI	CHEO	CNW	CBW	CTW
-3.858	1.549	.00002	-.00690	.01399	-.04100	.05102	.00749	-.00204
-3.866	1.549	-.00157	.03265	.01382	-.04103	.05109	.00748	-.00203
-3.865	1.549	-.00002	-.00690	.01422	-.04101	.05098	.00747	-.00206
-3.870	1.549	.00003	-.00690	.01402	-.04097	.05114	.00746	-.00203
-3.868	1.549	-.00002	-.00690	.01399	-.04098	.05123	.00747	-.00201
-3.862	1.549	.00004	-.00690	.01390	-.04096	.05141	.00748	-.00199
-3.864	1.519	.00051	-.00688	.01932	-.04006	.05223	.00778	-.00158
-3.850	1.504	.00046	-.00688	.02106	-.03939	.05314	.00799	-.00137
-3.861	1.492	.00049	-.00688	.02193	-.03894	.05350	.00805	-.00130
-3.849	1.480	.00048	-.00688	.02313	-.03854	.05487	.00832	-.00105
-3.887	1.464	.00040	-.00689	.02599	-.03827	.05619	.00862	-.00076
	GRADIENT	-.01023	.09590	-.13999	-.03389	-.05337	-.01235	-.01430

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (TC0001) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 324/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.134	-8.436	.59881	.02624	.01375	.01249	-.01311	.05222	-.22249	-.41038	-.38281
-4.203	-4.228	.60055	.02534	.01336	.01198	-.01258	.05074	-.21606	-.37466	-.37137
-4.282	-.140	.60085	.02424	.01274	.01149	-.01207	.04841	-.20613	-.36281	-.36299
-4.204	4.116	.60051	.02333	.01228	.01105	-.01160	.04664	-.19906	-.35245	-.34217
GRADIENT		-.00001	-.00024	-.00013	-.00011	.00012	-.00049	.00203	.00266	.00351

RUN NO. 325/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.382	.59998	.02414	.01263	.01152	-.01209	.04796	-.20505	-.38748	-.35623
.000	-4.203	.60052	.02321	.01220	.01102	-.01157	.04633	-.19811	-.35913	-.32948
-.000	-.023	.60103	.02215	.01160	.01055	-.01107	.04407	-.18896	-.34677	-.31659
.003	4.150	.60069	.02114	.01105	.01009	-.01059	.04197	-.17881	-.33809	-.30858
GRADIENT		.00002	-.00025	-.00014	-.00011	.00012	-.00052	.00231	.00252	.00250

RUN NO. 326/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.132	-8.434	.60186	.02533	.01320	.01213	-.01274	.05013	-.21450	-.39233	-.29640
4.204	-4.210	.59762	.02594	.01355	.01239	-.01301	.05147	-.21944	-.37552	-.28520
4.288	-.043	.59998	.02414	.01263	.01152	-.01209	.04796	-.20471	-.35918	-.26705
4.202	4.118	.59949	.02318	.01209	.01109	-.01165	.04592	-.19686	-.34964	-.27847
GRADIENT		.00022	-.00033	-.00018	-.00016	.00016	-.00067	.00271	.00311	.00081

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (TC0002) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .800 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 331/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.137	-8.568	.79952	.02798	.01478	.01320	-.01387	.05614	-.23761	-.41154	-.35095
-4.211	-4.281	.80045	.02622	.01389	.01232	-.01295	.05277	-.22310	-.37056	-.34870
-4.285	-.053	.80038	.02478	.01309	.01169	-.01228	.04970	-.20984	-.35158	-.34917
-4.220	4.164	.79966	.02369	.01257	.01112	-.01168	.04773	-.20201	-.33868	-.35333
	GRADIENT	-.00009	-.00030	-.00016	-.00014	.00015	-.00060	.00250	.00377	-.00055

RUN NO. 332/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.482	.79989	.02613	.01375	.01238	-.01300	.05223	-.22212	-.38696	-.34389
.001	-4.208	.80047	.02482	.01312	.01171	-.01230	.04982	-.21145	-.35746	-.30500
-.000	-.008	.79998	.02347	.01235	.01112	-.01168	.04692	-.19906	-.33602	-.30142
.002	4.251	.79922	.02192	.01153	.01039	-.01091	.04378	-.18538	-.32357	-.30579
	GRADIENT	-.00015	-.00034	-.00019	-.00016	.00016	-.00071	.00308	.00400	-.00010

RUN NO. 333/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.132	-8.562	.79954	.02819	.01484	.01335	-.01402	.05638	-.23883	-.40854	-.29003
4.206	-4.276	.80027	.02635	.01389	.01246	-.01308	.05275	-.22327	-.36767	-.26294
4.285	-.054	.79991	.02501	.01321	.01180	-.01239	.05017	-.21208	-.35202	-.26187
4.217	4.154	.79981	.02389	.01255	.01133	-.01190	.04768	-.20200	-.33977	-.27276
	GRADIENT	-.00005	-.00029	-.00016	-.00013	.00014	-.00060	.00252	.00331	-.00116

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (TC0003) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 343/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.136	-8.632	.89961	.02948	.01562	.01385	-.01455	.05934	-.25064	-.41377	-.32629
-4.213	-4.308	.89996	.02719	.01438	.01281	-.01346	.05461	-.23078	-.37711	-.33373
-4.286	-.011	.89993	.02587	.01368	.01220	-.01281	.05194	-.21890	-.35538	-.34181
-4.214	4.225	.89982	.02428	.01285	.01142	-.01200	.04882	-.20645	-.33014	-.35257
GRADIENT		-.00002	-.00034	-.00018	-.00016	.00017	-.00068	.00285	.00550	-.00221

RUN NO. 344/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.008	-8.636	.89966	.02782	.01460	.01322	-.01388	.05546	-.23520	-.40035	-.32105
-.009	-4.865	.90029	.02624	.01381	.01244	-.01306	.05244	-.22217	-.36782	-.30507
-.008	-4.237	.90026	.02597	.01371	.01226	-.01288	.05209	-.22058	-.36248	-.29914
-.012	.017	.89987	.02392	.01262	.01130	-.01187	.04793	-.20300	-.33127	-.29847
-.010	4.294	.89957	.02268	.01193	.01075	-.01129	.04532	-.19219	-.31938	-.31144
GRADIENT		-.00008	-.00040	-.00021	-.00019	.00020	-.00080	.00337	.00542	-.00083

RUN NO. 345/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.137	-8.628	.89994	.03035	.01615	.01420	-.01492	.06133	-.25931	-.40626	-.29063
4.207	-4.307	.90000	.02812	.01490	.01321	-.01388	.05660	-.23908	-.37144	-.26285
4.286	-.006	.90021	.02622	.01391	.01231	-.01294	.05282	-.22312	-.34858	-.25976
4.221	4.226	.89975	.02470	.01309	.01161	-.01220	.04972	-.21079	-.32663	-.28379
GRADIENT		-.00003	-.00040	-.00021	-.00019	.00020	-.00081	.00332	.00525	-.00245

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (TC0004) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 349/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 -4.143 -8.651 .94924 .03154 .01676 .01478 -.01553 .06366 -.26933 -.42309 -.34425
 -4.210 -4.332 .95005 .02967 .01585 .01383 -.01453 .06019 -.25408 -.38961 -.35916
 -4.286 .021 .95040 .02805 .01502 .01303 -.01369 .05705 -.24107 -.36736 -.37905
 -4.213 4.242 .94976 .02673 .01424 .01249 -.01312 .05409 -.22905 -.34735 -.38675
 GRADIENT -.00003 -.00034 -.00019 -.00016 .00016 -.00071 .00292 .00493 .00292 .00493 .00322

RUN NO. 350/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 .002 -8.657 .94998 .03050 .01620 .01430 -.01502 .06153 -.26093 -.40695 -.33612
 -.001 -4.242 .95019 .02855 .01523 .01332 -.01400 .05784 -.24484 -.37547 -.32717
 .000 .033 .94962 .02689 .01433 .01256 -.01319 .05444 -.23056 -.35495 -.31370
 .002 4.280 .94950 .02536 .01349 .01187 -.01247 .05123 -.21736 -.33147 -.33087
 GRADIENT -.00008 -.00037 -.00020 -.00018 .00018 -.00078 .00322 .00516 .00322 .00516 .00043

RUN NO. 351/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 4.136 -8.657 .94971 .03301 .01767 .01533 -.01611 .06712 -.28438 -.41632 -.30294
 4.206 -4.333 .95029 .03099 .01658 .01441 -.01514 .06297 -.26550 -.38988 -.28545
 4.285 .035 .95044 .02905 .01552 .01354 -.01423 .05893 -.24851 -.36837 -.27735
 4.216 4.230 .94942 .02707 .01443 .01264 -.01329 .05479 -.23201 -.34660 -.30062
 GRADIENT -.00010 -.00046 -.00025 -.00022 .00022 -.00096 .00391 .00505 .00391 .00505 .00175

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (TC0005) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 355/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.145	-8.648	1.04999	.03570	.01906	.01664	-.01749	.07240	-.30508	-.44785	-.44000
-4.211	-4.367	1.05078	.03414	.01838	.01576	-.01657	.06982	-.29449	-.41203	-.46419
-4.295	-.016	1.05032	.03310	.01803	.01507	-.01585	.06849	-.28914	-.39085	-.46120
-4.217	4.313	1.04987	.03178	.01731	.01447	-.01522	.06575	-.27745	-.37261	-.47080
GRADIENT		-.00010	-.00027	-.00012	-.00015	.00016	-.00047	.00196	.00454	-.00076

RUN NO. 356/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-8.728	1.04902	.03431	.01834	.01597	-.01678	.06966	-.29453	-.43075	-.43827
.000	-4.237	1.05178	.03286	.01764	.01522	-.01600	.06701	-.28362	-.40430	-.42003
-.001	.069	1.05131	.03112	.01673	.01439	-.01513	.06354	-.26808	-.39572	-.41741
-.002	4.324	1.04910	.03000	.01607	.01392	-.01463	.06105	-.25852	-.36896	-.42816
GRADIENT		-.00031	-.00033	-.00018	-.00015	.00016	-.00070	.00293	.00412	-.00095

RUN NO. 360/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.144	-8.611	1.05004	.03745	.02028	.01716	-.01804	.07705	-.32604	-.44265	-.38700
4.210	-4.353	1.05024	.03505	.01894	.01610	-.01693	.07195	-.30302	-.41686	-.36867
4.299	-.008	1.05049	.03329	.01791	.01538	-.01617	.06803	-.28606	-.39723	-.35091
4.217	4.305	1.04960	.03160	.01701	.01460	-.01534	.06460	-.27180	-.38129	-.35940
GRADIENT		-.00007	-.00040	-.00022	-.00017	.00018	-.00085	.00361	.00411	.00107

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RRM,PLU. OFF (TC0006) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

MACH = 1.100 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.146	-8.643	1.09811	.04227	.02264	.01963	-.02063	.08601	-.36208	-.48924	-.55396
-4.215	-4.361	1.10059	.03956	.02132	.01824	-.01918	.08099	-.34062	-.44088	-.53573
-4.297	-.010	1.10015	.03774	.02045	.01729	-.01818	.07768	-.32665	-.42012	-.53105
-4.219	4.327	1.09973	.03523	.01920	.01603	-.01686	.07294	-.30639	-.39377	-.52272
	GRADIENT	-.00010	-.00050	-.00024	-.00025	.00027	-.00093	.00394	.00542	.00150

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.731	1.09923	.04000	.02150	.01850	-.01945	.08165	-.34375	-.46631	-.51049
.001	-5.127	1.10084	.03846	.02068	.01778	-.01869	.07854	-.33070	-.43941	-.47836
-.001	-4.239	1.10017	.03823	.02057	.01766	-.01856	.07813	-.32911	-.43712	-.47486
.000	.078	1.09990	.03682	.01984	.01698	-.01785	.07536	-.31779	-.42597	-.47626
-.001	4.339	1.09938	.03533	.01919	.01614	-.01698	.07287	-.30712	-.39582	-.48750
	GRADIENT	-.00009	-.00034	-.00016	-.00018	.00019	-.00061	.00256	.00481	-.00147

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.145	-8.635	1.09734	.04322	.02337	.01985	-.02087	.08875	-.37389	-.48236	-.46302
4.212	-4.368	1.10096	.03974	.02140	.01834	-.01928	.08130	-.34196	-.44610	-.43115
4.296	-.008	1.10063	.03762	.02017	.01744	-.01833	.07662	-.32165	-.42241	-.41075
4.218	4.320	1.10001	.03562	.01909	.01653	-.01737	.07252	-.30413	-.40184	-.42208
	GRADIENT	-.00011	-.00047	-.00027	-.00021	.00022	-.00101	.00435	.00510	.00105

RUN NO.	364/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
RUN NO.	365/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00

RUN NO.	366/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00
RUN NO.	367/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RRSM,PLU. OFF (TC0007) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 370/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.147	-8.717	1.14834	.03564	.01907	.01658	-.01742	.07242	-.30517	-.42775	-.48585
-4.216	-4.375	1.15065	.03391	.01822	.01569	-.01649	.06921	-.29131	-.39047	-.46507
-4.297	-.003	1.15076	.03296	.01781	.01515	-.01593	.06764	-.28437	-.37671	-.46923
-4.217	4.335	1.14987	.03146	.01706	.01439	-.01514	.06481	-.27217	-.35595	-.46195
	GRADIENT	-.00009	-.00028	-.00013	-.00015	.00016	-.00050	.00220	.00396	.00036

RUN NO. 371/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.765	1.14906	.03371	.01803	.01569	-.01649	.06847	-.28855	-.40885	-.45102
.000	-4.385	1.15124	.03212	.01722	.01489	-.01565	.06542	-.27584	-.38356	-.41798
-.000	.097	1.15091	.03141	.01694	.01448	-.01522	.06433	-.27139	-.37708	-.41824
.002	4.325	1.14973	.03094	.01682	.01411	-.01484	.06390	-.26900	-.35278	-.43212
	GRADIENT	-.00017	-.00014	-.00005	-.00009	.00009	-.00017	.00079	.00351	-.00161

RUN NO. 372/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.146	-8.713	1.14830	.03643	.01962	.01681	-.01767	.07454	-.31416	-.42238	-.39809
4.209	-4.378	1.14987	.03446	.01854	.01592	-.01673	.07043	-.29631	-.39499	-.37545
4.295	-.002	1.15067	.03339	.01793	.01546	-.01625	.06812	-.28607	-.37926	-.35341
4.216	4.326	1.14956	.03189	.01710	.01479	-.01554	.06496	-.27267	-.36634	-.37092
	GRADIENT	-.00003	-.00029	-.00017	-.00013	.00014	-.00063	.00272	.00329	.00053

IA613A(AEDC 16TF-829) DT(DOOR OFF)+RRRM,PLU. OFF (TC0008) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 376/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.144	-8.820	1.24942	.03118	.01658	.01459	-.01533	.06299	-.26591	-.38760	-.45902
-4.216	-4.383	1.25061	.03058	.01641	.01417	-.01489	.06233	-.26227	-.36056	-.42480
-4.297	-.009	1.25019	.02964	.01594	.01370	-.01440	.06056	-.25468	-.34164	-.44040
-4.218	4.354	1.24965	.02897	.01559	.01338	-.01406	.05921	-.24873	-.32804	-.42669
	GRADIENT	-.00011	-.00018	-.00009	-.00009	-.00009	-.00036	.00155	.00372	-.00022

RUN NO. 377/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.801	1.24937	.03001	.01598	.01403	-.01474	.06072	-.25605	-.37107	-.42505
.000	-4.245	1.25003	.02957	.01585	.01372	-.01442	.06022	-.25385	-.34917	-.39394
-.001	.067	1.24985	.02878	.01549	.01329	-.01397	.05884	-.24816	-.34158	-.39494
.001	4.349	1.24987	.02844	.01539	.01305	-.01372	.05846	-.24603	-.32014	-.40702
	GRADIENT	-.00002	-.00013	-.00005	-.00008	-.00008	-.00020	.00091	.00338	-.00152

RUN NO. 378/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.144	-8.803	1.24928	.03365	.01797	.01568	-.01647	.06827	-.28801	-.38914	-.37153
4.212	-4.396	1.24990	.03257	.01741	.01516	-.01593	.06614	-.27912	-.36889	-.35525
4.295	-.001	1.25029	.02917	.01561	.01356	-.01425	.05929	-.24930	-.34959	-.34101
4.219	4.335	1.24948	.02909	.01555	.01355	-.01424	.05904	-.24866	-.33598	-.36078
	GRADIENT	-.00005	-.00040	-.00021	-.00018	-.00019	-.00081	.00350	.00377	-.00062

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (TC0009) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 503/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.913	-7.715	1.24903	.03036	.01617	.01419	-.01491	.06143	-.25909	-.38060	-.43266
-3.881	-3.931	1.25006	.02989	.01603	.01386	-.01457	.06088	-.25625	-.35735	-.40724
-3.820	-.020	1.24974	.02890	.01557	.01333	-.01401	.05914	-.24895	-.33899	-.42791
-3.869	3.842	1.24934	.02808	.01511	.01296	-.01363	.05740	-.24135	-.32956	-.40882
	GRADIENT	-.00009	-.00023	-.00012	-.00012	.00012	-.00045	.00192	.00358	-.00021

RUN NO. 504/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-7.821	1.24909	.02947	.01575	.01373	-.01442	.05981	-.25227	-.36750	-.40292
.001	-4.978	1.24861	.02920	.01568	.01352	-.01421	.05955	-.25108	-.35230	-.38280
-.001	-3.951	1.24879	.02894	.01554	.01340	-.01408	.05902	-.24882	-.34742	-.38007
-.000	-.068	1.25080	.02826	.01527	.01299	-.01366	.05801	-.24476	-.34056	-.38127
.001	3.834	1.25052	.02822	.01524	.01298	-.01365	.05789	-.24424	-.32581	-.38590
	GRADIENT	.00025	-.00011	-.00005	-.00006	.00007	-.00019	.00076	.00283	-.00044

RUN NO. 505/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.901	-7.721	1.24976	.03255	.01739	.01516	-.01594	.06604	-.27893	-.37848	-.36464
3.883	-3.937	1.24963	.03186	.01707	.01479	-.01554	.06482	-.27360	-.36440	-.35026
3.818	-.025	1.25046	.02824	.01513	.01311	-.01378	.05747	-.24171	-.34538	-.33732
3.870	3.837	1.24995	.02842	.01524	.01319	-.01386	.05788	-.24373	-.33359	-.35421
	GRADIENT	.00004	-.00044	-.00024	-.00021	.00022	-.00090	.00385	.00397	-.00050

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RRM,PLU. OFF (TC0010) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 507/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.913	-7.703	1.29975	.03030	.01614	.01416	-.01488	.06131	-.25899	-.37782	-.41563
-3.882	-3.926	1.29986	.02917	.01565	.01352	-.01421	.05946	-.25046	-.34883	-.39110
-3.821	-.017	1.30022	.02876	.01550	.01326	-.01394	.05886	-.24752	-.33191	-.41003
-3.864	3.844	1.29970	.02757	.01487	.01270	-.01335	.05650	-.23777	-.32082	-.40276
	GRADIENT	-.00002	-.00021	-.00010	-.00011	.00011	-.00038	.00163	.00361	-.00151

RUN NO. 508/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-7.777	1.29996	.02918	.01567	.01351	-.01420	.05952	-.25111	-.35962	-.39798
-.000	-3.958	1.30001	.02867	.01545	.01322	-.01390	.05868	-.24727	-.33750	-.37540
-.000	-.054	1.29984	.02796	.01512	.01284	-.01350	.05743	-.24219	-.32948	-.37791
.001	3.823	1.29994	.02791	.01509	.01282	-.01348	.05732	-.24175	-.31676	-.38148
	GRADIENT	-.00001	-.00010	-.00005	-.00005	.00005	-.00018	.00071	.00266	-.00078

RUN NO. 509/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.901	-7.723	1.30122	.03265	.01748	.01516	-.01594	.06641	-.28059	-.37763	-.35482
3.879	-3.924	1.30046	.03156	.01697	.01459	-.01534	.06445	-.27223	-.35560	-.34007
3.825	-.025	1.30031	.02950	.01589	.01362	-.01431	.06034	-.25489	-.34054	-.32590
3.868	3.832	1.29895	.02817	.01510	.01306	-.01373	.05736	-.24225	-.32965	-.35121
	GRADIENT	-.00020	-.00044	-.00024	-.00020	.00021	-.00091	.00387	.00335	-.00143

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (TC0011) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO.	511/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00	CPAD	CPAT	CPAS	
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD <td>CPAT <td>CPAS</td> </td>	CPAT <td>CPAS</td>	CPAS
-3.916	-7.720	1.34919	.03126	.01660	.01466	-.01540	.06306	-.26711	-.37484	-.41191
-3.883	-3.931	1.34999	.02933	.01564	.01369	-.01439	.05940	-.25100	-.34680	-.38582
-3.824	-.013	1.34978	.02828	.01516	.01312	-.01379	.05757	-.24234	-.32565	-.39742
-3.867	3.834	1.34966	.02738	.01468	.01270	-.01335	.05576	-.23487	-.31279	-.39235
	GRADIENT	-.00004	-.00025	-.00012	-.00013	.00013	-.00047	.00208	.00438	-.00085

RUN NO.	512/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00	CPAD	CPAT	CPAS	
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD <td>CPAT <td>CPAS</td> </td>	CPAT <td>CPAS</td>	CPAS
-.002	-7.817	1.34959	.02905	.01551	.01354	-.01422	.05891	-.24845	-.35768	-.38199
-.001	-3.960	1.35002	.02842	.01525	.01318	-.01385	.05791	-.24406	-.33114	-.36150
-.000	-.058	1.35006	.02732	.01470	.01262	-.01327	.05584	-.23550	-.31843	-.36220
.001	3.828	1.34967	.02751	.01485	.01266	-.01331	.05641	-.23761	-.30491	-.37034
	GRADIENT	-.00005	-.00012	-.00005	-.00007	.00007	-.00019	.00083	.00337	-.00113

RUN NO.	513/ O	RN/L =	2.50	GRADIENT INTERVAL =	-5.00/	5.00	CPAD	CPAT	CPAS	
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD <td>CPAT <td>CPAS</td> </td>	CPAT <td>CPAS</td>	CPAS
3.904	-7.709	1.35014	.03230	.01732	.01498	-.01575	.06578	-.27809	-.36891	-.34901
3.887	-3.935	1.34908	.03155	.01696	.01459	-.01533	.06443	-.27213	-.34657	-.33622
3.818	-.024	1.34934	.03042	.01640	.01402	-.01474	.06228	-.26334	-.33107	-.31987
3.872	3.842	1.35015	.02877	.01546	.01331	-.01399	.05872	-.24874	-.32106	-.34437
	GRADIENT	.00014	-.00036	-.00019	-.00016	.00017	-.00073	.00301	.00328	-.00104

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RRM,PLU. OFF (TC0012) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 514/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 MACH = 1.400
 IB-ELV = 10.000
 OB-ELV = 5.000

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.909	-7.716	1.40024	.03086	.01640	.01446	-.01519	.06231	-.26436	-.36448	-.40576
-3.886	-3.925	1.39863	.02939	.01570	.01370	-.01439	.05962	-.25236	-.34279	-.38030
-3.822	-.012	1.40075	.02786	.01494	.01292	-.01358	.05676	-.23911	-.31771	-.38704
-3.870	3.843	1.39988	.02732	.01463	.01269	-.01333	.05556	-.23428	-.30602	-.38662
	GRADIENT	.00016	-.00027	-.00014	-.00013	.00014	-.00052	.00233	.00474	-.00082

RUN NO. 515/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 MACH = 1.400
 IB-ELV = 10.000
 OB-ELV = 5.000

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-7.797	1.39983	.02893	.01546	.01347	-.01415	.05872	-.24711	-.35266	-.37162
-.002	-4.688	1.39965	.02860	.01533	.01327	-.01394	.05824	-.24546	-.33144	-.34633
-.001	-3.963	1.39941	.02843	.01527	.01316	-.01383	.05799	-.24434	-.32672	-.34807
-.000	-.054	1.40036	.02784	.01500	.01284	-.01350	.05697	-.24009	-.31315	-.35224
.001	3.826	1.39975	.02730	.01472	.01258	-.01323	.05592	-.23552	-.29628	-.35996
	GRADIENT	.00004	-.00015	-.00007	-.00008	.00008	-.00027	.00115	.00401	-.00153

RUN NO. 516/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 MACH = 1.400
 IB-ELV = 10.000
 OB-ELV = 5.000

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.906	-7.707	1.39963	.03188	.01711	.01477	-.01552	.06500	-.27482	-.35949	-.34043
3.880	-3.936	1.39988	.03127	.01683	.01444	-.01518	.06393	-.27037	-.33981	-.32606
3.821	-.023	1.40029	.03041	.01640	.01400	-.01472	.06231	-.26361	-.32580	-.31236
3.869	3.834	1.39983	.02919	.01572	.01346	-.01415	.05972	-.25318	-.31502	-.33416
	GRADIENT	-.00001	-.00027	-.00014	-.00013	.00013	-.00054	.00221	.00319	-.00103

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (TC0013) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 557/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.913	-7.703	1.39946	.03103	.01649	.01454	-.01528	.06265	-.26580	-.36376	-.40983
-3.882	-3.908	1.40035	.02891	.01539	.01352	-.01420	.05847	-.24756	-.34003	-.38196
-3.817	-.007	1.40030	.02746	.01473	.01274	-.01339	.05594	-.23566	-.31855	-.38967
-3.869	3.851	1.39984	.02691	.01443	.01249	-.01312	.05479	-.23103	-.30692	-.38536
	GRADIENT	-.00007	-.00026	-.00012	-.00013	.00014	-.00047	.00213	.00427	-.00044

RUN NO. 558/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-7.753	1.39969	.02872	.01536	.01337	-.01405	.05833	-.24545	-.35203	-.37146
-.001	-3.911	1.40009	.02800	.01504	.01296	-.01362	.05712	-.24064	-.32556	-.35039
-.000	-.043	1.39974	.02741	.01477	.01264	-.01329	.05611	-.23637	-.31324	-.35794
.001	3.865	1.39953	.02695	.01456	.01239	-.01303	.05531	-.23299	-.29733	-.36113
	GRADIENT	-.00007	-.00013	-.00006	-.00007	.00008	-.00023	.00098	.00363	-.00138

RUN NO. 559/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.900	-7.714	1.39914	.03059	.01644	.01415	-.01488	.06244	-.26455	-.36947	-.34339
3.876	-3.901	1.39954	.02978	.01605	.01373	-.01444	.06096	-.25817	-.34924	-.33264
3.821	-.014	1.40018	.02922	.01578	.01344	-.01413	.05993	-.25390	-.33579	-.32208
3.869	3.840	1.40017	.02856	.01540	.01316	-.01383	.05851	-.24793	-.31500	-.33577
	GRADIENT	.00008	-.00016	-.00008	-.00007	.00008	-.00032	.00132	.00442	-.00040

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM,PLU. OFF (TC0014) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 561/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.961	-7.775	1.54947	.02959	.01586	.01373	-.01443	.06023	-.25603	-.33173	-.37765
-3.947	-3.960	1.54962	.02906	.01555	.01351	-.01419	.05907	-.25080	-.32016	-.35837
-3.921	.003	1.54965	.02750	.01474	.01275	-.01341	.05599	-.23691	-.29785	-.36601
-3.943	3.931	1.54905	.02627	.01406	.01221	-.01284	.05340	-.22555	-.27800	-.37409
	GRADIENT	-.00007	-.00035	-.00019	-.00016	.00017	-.00072	.00320	.00534	-.00199

RUN NO. 562/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-7.660	1.54886	.02775	.01487	.01288	-.01354	.05647	-.23728	-.33491	-.34893
.000	-3.811	1.54793	.02750	.01481	.01269	-.01334	.05624	-.23670	-.31792	-.33381
-.000	.031	1.54912	.02772	.01495	.01278	-.01343	.05677	-.23916	-.29328	-.33600
.002	3.925	1.54810	.02634	.01420	.01214	-.01276	.05395	-.22786	-.27579	-.34245
	GRADIENT	.00002	-.00015	-.00008	-.00007	.00008	-.00030	.00115	.00544	-.00112

RUN NO. 563/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.953	-7.796	1.54881	.02921	.01572	.01349	-.01418	.05972	-.25236	-.34012	-.31571
3.942	-3.967	1.54945	.02944	.01588	.01356	-.01426	.06030	-.25537	-.32593	-.31334
3.917	.004	1.54938	.02988	.01616	.01372	-.01443	.06137	-.25956	-.31118	-.30201
3.942	3.914	1.54890	.02835	.01530	.01305	-.01372	.05811	-.24655	-.29048	-.32095
	GRADIENT	-.00007	-.00014	-.00007	-.00007	.00007	-.00028	.00111	.00450	-.00096

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TC0015) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 619/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.007	-8.085	.59904	.01917	.01123	.00794	-.00838	.04267	-.18382	-.24748	-.20214
-3.996	-4.010	.60031	.01612	.00959	.00653	-.00690	.03643	-.15668	-.22185	-.19027
-3.995	.005	.60000	.01354	.00817	.00538	-.00568	.03103	-.13364	-.21611	-.18085
-3.992	3.979	.59905	.01075	.00666	.00409	-.00434	.02529	-.10975	-.20570	-.15769
	GRADIENT	-.00016	-.00067	-.00037	-.00031	.00032	-.00139	.00588	.00202	.00407

RUN NO. 620/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.003	-7.912	.59937	.01473	.00882	.00591	-.00625	.03351	-.14489	-.24295	-.21698
.001	-3.935	.59953	.01231	.00744	.00487	-.00515	.02824	-.12278	-.22327	-.17560
.000	.075	.60063	.00987	.00604	.00383	-.00405	.02295	-.10019	-.20717	-.15549
.002	4.052	.60012	.00871	.00547	.00323	-.00343	.02079	-.08891	-.19723	-.14361
	GRADIENT	.00007	-.00045	-.00025	-.00021	.00022	-.00093	.00424	.00326	.00401

RUN NO. 621/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.999	-8.088	.59974	.01790	.01051	.00739	-.00780	.03991	-.17373	-.25244	-.15989
3.994	-4.003	.60071	.01509	.00902	.00607	-.00641	.03427	-.14870	-.22666	-.13876
3.989	-.046	.60050	.01271	.00767	.00505	-.00534	.02912	-.12500	-.21502	-.12879
3.995	4.001	.59978	.01015	.00603	.00412	-.00436	.02289	-.09957	-.20408	-.13288
	GRADIENT	-.00012	-.00062	-.00037	-.00024	.00026	-.00142	.00614	.00282	.00073

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TC0016) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 DB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 623/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.002	-8.106	.79833	.01961	.01134	.00827	-.00872	.04306	-.18399	-.23881	-.18492
-3.996	-4.028	.80027	.01568	.00923	.00645	-.00581	.03507	-.14888	-.21285	-.16037
-3.981	-.041	.80005	.01269	.00760	.00509	-.00538	.02887	-.12200	-.19688	-.14422
-4.003	3.956	.80040	.01004	.00611	.00393	-.00416	.02322	-.09840	-.18201	-.13814
	GRADIENT	.00002	-.00071	-.00039	-.00031	.00033	-.00148	.00632	.00386	.00278

RUN NO. 624/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.039	.79986	.01485	.00884	.00601	-.00635	.03358	-.14450	-.23498	-.17686
-.001	-3.920	.80022	.01237	.00733	.00504	-.00533	.02783	-.12078	-.21180	-.13957
-.000	-.015	.79970	.01031	.00617	.00414	-.00438	.02342	-.10189	-.19242	-.12094
-.001	4.103	.79986	.00812	.00494	.00318	-.00336	.01877	-.08091	-.17810	-.11766
	GRADIENT	-.00004	-.00053	-.00030	-.00023	.00024	-.00113	.00497	.00419	.00271

RUN NO. 625/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.994	-7.982	.80000	.01800	.01061	.00739	-.00780	.04031	-.17290	-.24018	-.12172
3.997	-4.045	.80066	.01491	.00889	.00603	-.00637	.03376	-.14350	-.21526	-.11111
3.986	-.044	.79985	.01272	.00755	.00517	-.00546	.02868	-.12074	-.20115	-.10495
4.008	3.934	.79954	.01023	.00610	.00413	-.00437	.02317	-.09864	-.18668	-.10988
	GRADIENT	-.00014	-.00059	-.00035	-.00024	.00025	-.00133	.00562	.00358	.00015

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2 (TC0017) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 626/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.000	-7.982	.89983	.01895	.01092	.00803	-.00847	.04149	-.17547	-.23397	-.16425
-3.998	-4.056	.90030	.01479	.00869	.00609	-.00643	.03302	-.13937	-.20943	-.13980
-3.987	.020	.90002	.01205	.00708	.00497	-.00525	.02690	-.11397	-.19205	-.12408
-3.998	3.995	.89986	.00957	.00570	.00387	-.00409	.02165	-.09167	-.16908	-.11824
	GRADIENT	-.00005	-.00065	-.00037	-.00028	-.00029	-.00141	.00593	.00501	.00268

RUN NO. 627/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-8.028	.89980	.01456	.00849	.00607	-.00641	.03224	-.13822	-.23336	-.15408
.001	-4.401	.90058	.01213	.00707	.00506	-.00534	.02686	-.11567	-.20812	-.12509
-.001	-3.941	.90024	.01177	.00686	.00492	-.00519	.02604	-.11217	-.20514	-.11947
.000	.100	.89994	.00976	.00558	.00418	-.00440	.02120	-.09238	-.18054	-.10170
.002	4.082	.89946	.00790	.00456	.00335	-.00353	.01731	-.07658	-.16920	-.10248
	GRADIENT	-.00012	-.00049	-.00030	-.00020	-.00021	-.00112	.00458	.00470	.00267

RUN NO. 628/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.996	-7.983	.89940	.01804	.01049	.00755	-.00797	.03985	-.16878	-.23973	-.11170
3.992	-4.041	.90000	.01459	.00858	.00601	-.00634	.03261	-.13769	-.21197	-.09554
3.981	.010	.90038	.01201	.00709	.00492	-.00520	.02694	-.11456	-.19195	-.08912
3.995	4.001	.89987	.00992	.00589	.00403	-.00426	.02236	-.09503	-.16778	-.10409
	GRADIENT	-.00002	-.00058	-.00034	-.00025	-.00026	-.00127	.00531	.00549	-.00106

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2

(TC0018) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 630/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.999	-7.976	.94734	.01818	.01041	.00778	-.00820	.03953	-.16630	-.22565	-.14817
-3.999	-4.030	.95073	.01414	.00815	.00599	-.00632	.03096	-.12951	-.19959	-.12161
-3.997	.005	.95104	.01140	.00549	.00491	-.00518	.02464	-.10289	-.18663	-.10365
-3.996	3.991	.94973	.00880	.00498	.00382	-.00402	.01891	-.07930	-.16727	-.10135
GRADIENT	GRADIENT	-.00012	-.00067	-.00040	-.00027	.00029	-.00150	.00626	.00403	.00253

RUN NO. 631/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.002	-8.040	.94910	.01513	.00852	.00660	-.00696	.03237	-.13927	-.22242	-.13779
-.001	-4.029	.95110	.01161	.00661	.00500	-.00527	.02510	-.10784	-.19432	-.11039
-.000	.090	.95065	.00891	.00494	.00396	-.00417	.01877	-.08071	-.17722	-.07951
-.001	3.974	.94955	.00669	.00363	.00306	-.00321	.01379	-.06103	-.15483	-.08220
GRADIENT	GRADIENT	-.00019	-.00062	-.00037	-.00024	.00026	-.00141	.00586	.00493	.00356

RUN NO. 632/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.995	-7.984	.94934	.01717	.00988	.00729	-.00768	.03754	-.15793	-.22851	-.09886
3.997	-4.028	.95039	.01407	.00811	.00596	-.00628	.03080	-.12825	-.20405	-.08358
3.985	.059	.95206	.01176	.00674	.00502	-.00529	.02561	-.10663	-.18258	-.07534
3.998	4.002	.94916	.00907	.00505	.00402	-.00423	.01918	-.08100	-.16223	-.08099
GRADIENT	GRADIENT	-.00015	-.00062	-.00038	-.00024	.00026	-.00145	.00588	.00521	.00033

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TC0019) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 633/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.997	-7.971	1.04929	.02128	.01193	.00935	-.00984	.04532	-.18793	-.23161	-.13440
-4.002	-4.073	1.05081	.01757	.00988	.00769	-.00810	.03753	-.15576	-.21339	-.12443
-3.996	.012	1.05059	.01563	.00875	.00688	-.00725	.03322	-.13756	-.20339	-.10952
-3.995	4.001	1.04977	.01388	.00774	.00615	-.00647	.02938	-.12008	-.19116	-.09336
	GRADIENT	-.00013	-.00046	-.00027	-.00019	.00020	-.00101	.00442	.00275	.00385

RUN NO. 634/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-8.060	1.04943	.01727	.00957	.00771	-.00811	.03635	-.15358	-.23737	-.13812
-.000	-4.050	1.04976	.01595	.00873	.00723	-.00760	.03315	-.13899	-.21959	-.11018
-.001	-.021	1.04993	.01517	.00831	.00686	-.00722	.03155	-.13048	-.21205	-.08142
.001	3.974	1.04975	.01214	.00658	.00556	-.00585	.02500	-.10341	-.18898	-.08339
	GRADIENT	-.00000	-.00047	-.00027	-.00021	.00022	-.00101	.00443	.00381	.00334

RUN NO. 635/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.999	-8.099	1.04918	.02060	.01132	.00928	-.00977	.04298	-.17832	-.23042	-.10475
3.994	-4.091	1.05010	.01786	.00979	.00808	-.00850	.03718	-.15335	-.20925	-.07894
3.994	.015	1.05043	.01614	.00880	.00734	-.00772	.03341	-.13755	-.19884	-.06307
4.005	4.042	1.04952	.01387	.00768	.00619	-.00651	.02917	-.11932	-.18486	-.05975
	GRADIENT	-.00007	-.00049	-.00026	-.00023	.00024	-.00098	.00418	.00300	.00236

IA613A(AEDC 16TF-829) B/L 0T + RSRM+PLUMES S1,2

(TC0020) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 637/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.997	-8.091	1.09559	.02514	.01389	.01125	-.01184	.05275	-.21921	-.28382	-.18996
-4.003	-4.070	1.10228	.02047	.01130	.00917	-.00965	.04291	-.17829	-.24912	-.17678
-3.998	.005	1.10044	.01929	.01062	.00867	-.00912	.04034	-.16760	-.24471	-.15307
-3.995	3.992	1.10005	.01779	.00970	.00809	-.00851	.03686	-.15200	-.23951	-.11958
	GRADIENT	-.00028	-.00033	-.00020	-.00013	.00014	-.00075	.00326	.00119	.00709

RUN NO. 647/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-8.038	1.09824	.02158	.01181	.00977	-.01028	.04484	-.18905	-.27163	-.19224
.000	-4.744	1.10085	.01970	.01071	.00899	-.00946	.04067	-.17094	-.25381	-.15386
-.002	-3.993	1.09991	.01968	.01065	.00902	-.00949	.04046	-.16964	-.25399	-.14616
-.001	-.027	1.09972	.01914	.01035	.00879	-.00924	.03932	-.16296	-.25336	-.12620
.001	3.972	1.09972	.01760	.00940	.00820	-.00862	.03570	-.14830	-.23942	-.12190
	GRADIENT	-.00009	-.00024	-.00015	-.00009	.00010	-.00055	.00253	.00156	.00363

RUN NO. 639/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.998	-8.091	1.09788	.02588	.01396	.01192	-.01253	.05302	-.22019	-.27577	-.13833
4.001	-4.008	1.10293	.02151	.01161	.00990	-.01041	.04409	-.18228	-.24969	-.10226
3.991	-.002	1.10049	.02022	.01086	.00936	-.00983	.04126	-.17065	-.24567	-.09633
4.007	4.057	1.09956	.01840	.00992	.00848	-.00891	.03770	-.15570	-.24011	-.09422
	GRADIENT	-.00042	-.00038	-.00021	-.00018	.00019	-.00079	.00330	.00119	.00100

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TC0021) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.998	-8.077	1.14743	.01861	.01039	.00822	-.00865	.03946	-.16367	-.22310	-.13490
-4.002	-4.057	1.15075	.01581	.00877	.00704	-.00741	.03330	-.13808	-.20240	-.12039
-3.997	.006	1.15067	.01461	.00808	.00654	-.00688	.03067	-.12709	-.19923	-.09885
-3.996	3.995	1.14965	.01344	.00740	.00604	-.00636	.02810	-.11577	-.19630	-.07396
	GRADIENT	-.00014	-.00029	-.00017	-.00012	.00013	-.00065	.00277	.00076	.00576

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-0.003	-8.052	1.14870	.01560	.00855	.00704	-.00741	.03249	-.13685	-.21691	-.13628
.000	-4.044	1.15147	.01401	.00758	.00643	-.00676	.02878	-.12067	-.20197	-.09431
-.001	-.013	1.15052	.01380	.00743	.00637	-.00670	.02821	-.11657	-.20413	-.07534
.001	3.967	1.14962	.01261	.00671	.00590	-.00620	.02549	-.10569	-.19163	-.07605
	GRADIENT	-.00023	-.00017	-.00011	-.00007	.00007	-.00041	.00187	.00129	.00228

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.996	-8.076	1.14787	.01918	.01037	.00881	-.00927	.03938	-.16316	-.21554	-.08422
3.999	-4.007	1.15078	.01683	.00909	.00774	-.00814	.03451	-.14234	-.19887	-.05424
3.990	-.006	1.15041	.01561	.00838	.00723	-.00760	.03182	-.13123	-.19579	-.04708
4.009	4.056	1.15001	.01390	.00746	.00644	-.00677	.02834	-.11619	-.19178	-.05269
	GRADIENT	-.00010	-.00036	-.00020	-.00016	.00017	-.00077	.00324	.00088	.00019

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1.2

(TC0022) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 644/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.998	-7.930	1.24873	.01726	.00958	.00768	-.00808	.03639	-.15159	-.21327	-.13889
-4.008	-4.025	1.25004	.01559	.00862	.00696	-.00733	.03276	-.13559	-.19494	-.09948
-3.992	.009	1.24993	.01423	.00779	.00645	-.00678	.02957	-.12212	-.19333	-.08314
-3.995	3.989	1.24984	.01286	.00694	.00591	-.00622	.02638	-.10921	-.19429	-.05948
	GRADIENT	-.00003	-.00034	-.00021	-.00013	-.00014	-.00080	.00329	.00008	.00499

RUN NO. 645/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-8.056	1.24957	.01454	.00793	.00660	-.00695	.03013	-.12725	-.20692	-.13919
-.002	-4.049	1.25053	.01381	.00745	.00637	-.00669	.02829	-.11828	-.19202	-.08503
-.001	-.039	1.25021	.01351	.00723	.00628	-.00660	.02746	-.11356	-.19700	-.06676
.001	3.969	1.24972	.01248	.00663	.00585	-.00615	.02517	-.10432	-.18944	-.06765
	GRADIENT	-.00010	-.00017	-.00010	-.00006	-.00007	-.00039	.00174	.00032	.00217

RUN NO. 646/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.991	-8.075	1.24900	.01890	.01025	.00865	-.00910	.03893	-.16186	-.20490	-.08041
3.997	-4.072	1.25022	.01713	.00926	.00786	-.00827	.03518	-.14542	-.19052	-.05443
3.991	.011	1.25037	.01542	.00828	.00714	-.00750	.03146	-.12990	-.18790	-.04820
4.006	4.072	1.25005	.01332	.00708	.00624	-.00655	.02690	-.11101	-.18986	-.05431
	GRADIENT	-.00002	-.00047	-.00027	-.00020	-.00021	-.00102	.00423	.00008	.00002

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3 (TC0023) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 469/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -7.752 MACH 1.24896 CNB .00680 CNBO .00401 CNBF .00279 CLMB -.00295 CAB .01522 CPAO -.06229 CPAT -.12442 CPAS -.02118
 -3.913 -3.966 1.24974 .00617 .00342 .00276 .00290 .01297 .03971 .0985 .00780 .03153 .00261 .00148 .00952
 -3.823 -3.874 1.24951 .00511 .00259 .00254 .00263 .00780 .00780 .00780 .00780 .00780 .00780 .00780 .00780 .00780
 -3.881 3.874 1.25024 .00422 .00205 .00217 .00227 .00008 .00066 .00066 .00066 .00066 .00066 .00066 .00066 .00066
 GRADIENT .00006 -.00025 -.00017 -.00007 -.00007 -.00007 -.00007 -.00007 -.00007 -.00007 -.00007 -.00007 -.00007 -.00007 -.00007

RUN NO. 470/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -7.810 MACH 1.24994 CNB .00568 CNBO .00312 CNBF .00256 CLMB -.00269 CAB .01185 CPAO -.04936 CPAT -.11204 CPAS -.00811
 -.002 -5.054 1.24959 .00544 .00285 .00272 .00259 .01083 .04504 .1088 .1088 .1088 .1088 .1088 .1088 .1088
 -.001 -3.992 1.24980 .00530 .00274 .00256 .00269 .01041 .04338 .10989 .10989 .10989 .10989 .10989 .10989 .10989
 -.000 -.081 1.24967 .00516 .00262 .00254 .00266 .00996 .04094 .11461 .11461 .11461 .11461 .11461 .11461
 -.002 3.806 1.24985 .00401 .00198 .00203 .00213 .00751 .03067 .11574 .11574 .11574 .11574 .11574 .11574 .11574
 GRADIENT .00001 -.00017 -.00010 -.00007 -.00007 -.00007 -.00007 -.00037 -.00163 .00163 .00163 .00163 .00163 .00163 .00163

RUN NO. 471/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -7.815 MACH 1.25028 CNB .00810 CNBO .00439 CNBF .00372 CLMB -.00391 CAB .01667 CPAO -.06808 CPAT -.10507 CPAS -.00178
 3.870 -3.929 1.24974 .00673 .00356 .00316 .00332 .01354 .05550 .09410 .09410 .09410 .09410 .09410 .09410 .09410
 3.821 -.051 1.25040 .00510 .00268 .00243 .00255 .01016 .04184 .09762 .09762 .09762 .09762 .09762 .09762 .09762
 3.884 3.839 1.24948 .00449 .00235 .00214 .00224 .00892 .03655 .11140 .11140 .11140 .11140 .11140 .11140 .11140
 GRADIENT -.00003 -.00029 -.00016 -.00013 -.00013 -.00013 -.00013 -.00059 .00244 .00244 .00244 .00244 .00244 .00244 .00244

IA613A(AEDC 16TF-829) DT(DOOR OFF)+RSRM + S1,3

(TC0024) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 476/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.918	-7.746	1.29984	.00770	.00450	.00320	-.00398	.01709	-.07005	-.12941	-.02106
-3.884	-3.963	1.29955	.00713	.00388	.00324	-.00341	.01475	-.05939	-.10863	.00391
-3.819	-.037	1.29903	.00600	.00308	.00293	-.00307	.01168	-.04694	-.10440	.03916
-3.870	3.822	1.29996	.00530	.00262	.00268	-.00281	.00994	-.04032	-.12423	.07339
	GRADIENT	.00005	-.00023	-.00016	-.00007	.00008	-.00062	.00245	-.00199	.00892

RUN NO. 477/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-7.770	1.29989	.00662	.00359	.00303	-.00319	.01363	-.05668	-.11871	-.01341
-.001	-3.984	1.30015	.00621	.00317	.00303	-.00318	.01205	-.05032	-.11569	.02026
-.001	-.043	1.30019	.00593	.00295	.00298	-.00312	.01120	-.04626	-.12069	.04816
.001	3.847	1.29952	.00506	.00253	.00253	-.00265	.00961	-.03943	-.12280	.03644
	GRADIENT	-.00008	-.00015	-.00008	-.00006	.00007	-.00031	.00139	-.00091	.00208

RUN NO. 478/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.912	-7.771	1.29961	.00955	.00508	.00447	-.00469	.01931	-.07926	-.10958	-.00462
3.887	-3.965	1.29975	.00777	.00407	.00371	-.00389	.01545	-.06392	-.09892	.02638
3.823	-.049	1.29944	.00617	.00321	.00296	-.00311	.01221	-.05070	-.10375	.03853
3.886	3.861	1.29943	.00542	.00280	.00262	-.00275	.01063	-.04347	-.11694	.03227
	GRADIENT	-.00004	-.00030	-.00016	-.00014	.00015	-.00062	.00261	-.00230	.00075

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1.3

(TC0025) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 482/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.914	-7.751	1.34965	.00777	.00449	.00328	-.00346	.01704	-.07017	-.13255	-.02743
-3.882	-3.957	1.34968	.00762	.00416	.00346	-.00364	.01579	-.06366	-.10899	.00374
-3.822	-.040	1.34968	.00626	.00319	.00306	-.00321	.01213	-.04868	-.10412	.03794
-3.866	3.826	1.35009	.00549	.00273	.00275	-.00289	.01038	-.04189	-.12263	.06927
	GRADIENT	.00005	-.00027	-.00018	-.00009	.00010	-.00070	.00280	-.00175	.00842

RUN NO. 483/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-7.782	1.35008	.00695	.00379	.00316	-.00332	.01438	-.05963	-.12361	-.01435
-.001	-3.921	1.34986	.00659	.00335	.00324	-.00340	.01272	-.05288	-.11394	.02070
-.001	-.044	1.35025	.00642	.00319	.00323	-.00338	.01213	-.04966	-.12059	.04800
.001	3.807	1.35003	.00518	.00258	.00260	-.00273	.00981	-.04013	-.12410	.03552
	GRADIENT	.00002	-.00018	-.00010	-.00008	.00009	-.00038	.00165	-.00131	.00192

RUN NO. 485/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.902	-7.781	1.34932	.00982	.00527	.00456	-.00479	.02000	-.08251	-.11198	-.00371
3.886	-3.958	1.34994	.00822	.00435	.00387	-.00407	.01651	-.06841	-.09817	.02467
3.821	-.044	1.35008	.00657	.00343	.00313	-.00329	.01305	-.05418	-.10183	.03548
3.889	3.882	1.34999	.00580	.00299	.00281	-.00295	.01136	-.04638	-.11831	.02660
	GRADIENT	.00001	-.00031	-.00017	-.00014	.00014	-.00066	.00281	-.00257	.00024

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3

(TC0026) (13 APR 92)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 489/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
- .000	-1.097	1.39992	.00697	.00348	.00349	-.00366	.01321	.00000	.00000	.00000
-3.909	-7.739	1.39998	.00755	.00433	.00322	-.00339	.01643	-.06765	-.13624	-.04109
-3.879	-3.951	1.39942	.00784	.00428	.00356	-.00375	.01626	-.06594	-.11199	.00167
-3.821	-.037	1.39999	.00638	.00329	.00310	-.00325	.01421	-.04993	-.10421	.03374
-3.873	3.836	1.39938	.00644	.00324	.00320	-.00336	.01229	-.04950	-.12532	.06520
	GRADIENT	-.00000	-.00018	-.00013	-.00005	.00005	-.00051	.00211	-.00171	.00816

RUN NO. 490/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
- .002	-7.842	1.39992	.00752	.00407	.00345	-.00363	.01547	-.06394	-.12939	-.01432
- .002	-4.751	1.40005	.00738	.00381	.00357	-.00375	.01447	-.05997	-.11619	.01554
- .001	-3.983	1.39979	.00730	.00373	.00357	-.00374	.01418	-.05883	-.11397	.02308
- .000	-.079	1.40003	.00728	.00367	.00360	-.00378	.01396	-.05726	-.12205	.04727
.001	3.816	1.39962	.00622	.00313	.00308	-.00323	.01190	-.04887	-.12777	.03735
	GRADIENT	-.00003	-.00012	-.00007	-.00005	.00005	-.00027	.00120	-.00153	.00272

RUN NO. 492/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.905	-7.754	1.39981	.00948	.00509	.00438	-.00461	.01935	-.08001	-.11154	-.00434
3.885	-3.953	1.39990	.00848	.00450	.00398	-.00418	.01709	-.07085	-.09838	.02318
3.825	-.033	1.39959	.00688	.00360	.00327	-.00344	.01368	-.05684	-.10355	.03262
3.874	3.829	1.39955	.00641	.00332	.00309	-.00324	.01260	-.05149	-.12240	.02414
	GRADIENT	-.00005	-.00027	-.00015	-.00011	.00012	-.00058	.00249	-.00308	.00013

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3 (TC0027) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 541/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.913	-7.780	1.39933	.00725	.00422	.00303	-.00319	.01602	-.06619	-.13459	-.02954
-3.882	-3.930	1.39999	.00710	.00389	.00321	-.00338	.01478	-.06024	-.11674	.01117
-3.821	-.026	1.40021	.00565	.00292	.00273	-.00287	.01108	-.04406	-.09946	.03633
-3.869	3.845	1.39979	.00582	.00294	.00288	-.00302	.01116	-.04458	-.12255	.07129
	GRADIENT	-.00003	-.00017	-.00012	-.00004	.00005	-.00047	.00202	-.00074	.00773

RUN NO. 542/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-7.769	1.39978	.00730	.00393	.00337	-.00354	.01494	-.06192	-.12820	-.00474
-.002	-3.957	1.40001	.00678	.00345	.00333	-.00349	.01310	-.05485	-.10471	.02685
-.000	-.080	1.39964	.00644	.00325	.00318	-.00334	.01236	-.05101	-.11475	.05639
.001	3.829	1.39998	.00574	.00291	.00283	-.00296	.01106	-.04526	-.12577	.05586
	GRADIENT	-.00000	-.00013	-.00007	-.00006	.00007	-.00026	.00123	-.00271	.00372

RUN NO. 543/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.903	-7.736	1.39982	.00891	.00486	.00405	-.00426	.01846	-.07620	-.11108	-.00153
3.885	-3.948	1.40007	.00785	.00420	.00366	-.00384	.01594	-.06596	-.09551	.02744
3.820	-.037	1.40016	.00638	.00334	.00304	-.00319	.01270	-.05273	-.09737	.04112
3.869	3.836	1.40006	.00577	.00301	.00276	-.00289	.01143	-.04668	-.11755	.03710
	GRADIENT	-.00000	-.00027	-.00015	-.00012	.00012	-.00058	.00248	-.00283	.00124

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RRSM + S1,3

(TC0028) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 545/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.962	-7.796	1.54820	.00727	.00416	.00311	-.00328	.01579	-.06564	-.13545	-.03504
-3.955	-3.993	1.54865	.00767	.00407	.00361	-.00379	.01545	-.06293	-.11938	.00643
-3.920	-.015	1.54981	.00600	.00303	.00297	-.00311	.01153	-.04625	-.11608	.03272
-3.940	3.920	1.54871	.00636	.00317	.00320	-.00335	.01203	-.04767	-.12532	.06170
	GRADIENT	.00001	-.00017	-.00011	-.00005	.00006	-.00043	.00193	-.00075	.00698

RUN NO. 546/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.002	-7.730	1.54929	.00761	.00414	.00347	-.00365	.01574	-.06534	-.13176	-.01034
-.001	-3.849	1.54949	.00654	.00332	.00323	-.00338	.01260	-.05206	-.10775	.02110
.000	.046	1.54950	.00715	.00362	.00353	-.00371	.01374	-.05598	-.11786	.06035
.001	3.940	1.54863	.00646	.00328	.00319	-.00334	.01244	-.05067	-.12183	.05829
	GRADIENT	-.00011	-.00001	-.00001	-.00001	.00001	-.00002	.00018	-.00181	.00478

RUN NO. 547/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.955	-7.807	1.54938	.00822	.00446	.00376	-.00396	.01693	-.07026	-.10683	-.00252
3.936	-3.969	1.54907	.00818	.00441	.00377	-.00396	.01677	-.06974	-.09902	.02367
3.921	-.018	1.54996	.00728	.00389	.00339	-.00356	.01477	-.06115	-.10199	.03578
3.944	3.917	1.54854	.00707	.00374	.00333	-.00350	.01420	-.05821	-.12706	.02665
	GRADIENT	-.00007	-.00014	-.00009	-.00005	.00006	-.00033	.00146	-.00355	.00038

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0029) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 689/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.004	-8.097	.60140	.02528	.01323	.01205	-.01266	.05024	-.21439	-.39228	-.36985
-3.997	-4.006	.60081	.02496	.01308	.01188	-.01247	.04969	-.21178	-.36701	-.36181
-3.993	.002	.60042	.02366	.01240	.01126	-.01182	.04711	-.20051	-.35075	-.35382
-3.999	3.992	.59946	.02321	.01217	.01104	-.01159	.04622	-.19725	-.34337	-.33811
GRADIENT		-.00017	-.00022	-.00011	-.00011	.00011	-.00043	.00182	.00296	.00296

RUN NO. 690/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.003	-8.016	.59885	.02410	.01265	.01145	-.01203	.04805	-.20540	-.37671	-.35377
-.001	-3.931	.59977	.02258	.01185	.01072	-.01126	.04502	-.19230	-.34724	-.32003
.001	.067	.60103	.02166	.01136	.01030	-.01082	.04314	-.18438	-.33718	-.31412
.003	4.044	.60053	.02094	.01100	.00995	-.01045	.04177	-.17838	-.32747	-.30409
GRADIENT		.00010	-.00020	-.00011	-.00010	.00010	-.00041	.00174	.00248	.00200

RUN NO. 691/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.998	-8.044	.59925	.02625	.01370	.01255	-.01318	.05202	-.22222	-.39740	-.30505
3.997	-4.007	.60110	.02465	.01290	.01175	-.01233	.04900	-.20884	-.36266	-.27750
3.994	-.036	.60055	.02350	.01231	.01119	-.01175	.04674	-.19968	-.35193	-.26910
3.998	3.976	.60007	.02268	.01185	.01083	-.01137	.04500	-.19308	-.34131	-.27127
GRADIENT		-.00013	-.00025	-.00013	-.00011	.00012	-.00050	.00197	.00267	.00078

IA613A(AEDC 16TF-829) B/L QT + ASRM, PLUMES OFF

(TC0030) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 693/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.995	-7.984	.79890	.02733	.01442	.01291	-.01356	.05476	-.23209	-.39690	-.35935
-4.000	-4.038	.80032	.02558	.01354	.01204	-.01265	.05141	-.21756	-.36204	-.35118
-3.986	-.039	.80015	.02426	.01285	.01141	-.01199	.04879	-.20629	-.34182	-.35006
-3.996	3.995	.79964	.02364	.01258	.01106	-.01162	.04777	-.20228	-.33131	-.35151
GRADIENT	GRADIENT	-.00008	-.00024	-.00012	-.00012	.00013	-.00045	.00190	.00382	-.00004

RUN NO. 694/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-0.003	-8.033	.80013	.02544	.01345	.01199	-.01259	.05110	-.21747	-.37156	-.34639
.001	-4.031	.79996	.02436	.01288	.01147	-.01205	.04894	-.20809	-.34654	-.31406
.001	.106	.79991	.02294	.01211	.01083	-.01137	.04600	-.19530	-.32850	-.30724
-.001	4.095	.79923	.02182	.01148	.01034	-.01086	.04359	-.18494	-.31569	-.30845
GRADIENT	GRADIENT	-.00009	-.00031	-.00017	-.00014	.00015	-.00066	.00285	.00380	.00070

RUN NO. 695/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.996	-8.007	.79982	.02769	.01460	.01309	-.01375	.05545	-.23518	-.39819	-.28636
3.997	-4.044	.80033	.02586	.01366	.01219	-.01281	.05190	-.21980	-.36045	-.26256
3.980	-.029	.80016	.02379	.01255	.01124	-.01181	.04767	-.20122	-.33426	-.26441
3.996	3.991	.79997	.02359	.01243	.01116	-.01172	.04720	-.19963	-.32253	-.26890
GRADIENT	GRADIENT	-.00004	-.00028	-.00015	-.00013	.00013	-.00058	.00251	.00472	-.00079

IA613A(AEDC 16TF-829) B/L QT + ASRM, PLUMES OFF (TC0031) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 696/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.000	-8.110	.89974	.02922	.01549	.01373	-.01443	.05884	-.24883	-.39676	-.33272
-3.998	-4.063	.90028	.02703	.01435	.01267	-.01332	.05452	-.23025	-.36840	-.34172
-3.997	-.003	.90003	.02559	.01362	.01197	-.01257	.05173	-.21833	-.34828	-.35089
-3.994	3.987	.89990	.02447	.01297	.01149	-.01207	.04928	-.20858	-.32588	-.35064
	GRADIENT	-.00005	-.00032	-.00017	-.00015	.00015	-.00065	.00269	.00528	-.00111

RUN NO. 697/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.029	.90008	.02754	.01459	.01295	-.01360	.05541	-.23493	-.38221	-.32875
.001	-4.518	.90034	.02576	.01365	.01210	-.01271	.05186	-.21972	-.35227	-.30946
.001	-3.909	.89985	.02554	.01353	.01201	-.01262	.05139	-.21774	-.34779	-.30787
.000	.103	.89968	.02371	.01257	.01114	-.01170	.04776	-.20256	-.32917	-.30723
-.001	4.092	.89939	.02236	.01184	.01052	-.01105	.04496	-.19093	-.31069	-.31687
	GRADIENT	-.00009	-.00040	-.00021	-.00019	.00020	-.00081	.00339	.00476	-.00084

RUN NO. 698/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.990	-7.954	.89988	.02996	.01600	.01396	-.01467	.06078	-.25698	-.38712	-.29151
3.998	-4.033	.89991	.02696	.01426	.01270	-.01334	.05415	-.22879	-.36749	-.26837
3.985	.040	.90010	.02503	.01325	.01178	-.01237	.05034	-.21317	-.34330	-.27575
3.998	3.996	.89956	.02447	.01296	.01152	-.01210	.04922	-.20853	-.32222	-.28504
	GRADIENT	-.00004	-.00031	-.00016	-.00015	.00016	-.00062	.00253	.00564	-.00208

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0032) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 702/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 -3.999 -7.981 .94848 .03083 .01638 .01445 -.01518 .06221 -.26347 -.40117 -.34268
 -3.997 -4.043 .94957 .02929 .01570 .01359 -.01428 .05963 -.25190 -.37453 -.36513
 -3.996 .000 .95062 .02750 .01475 .01275 -.01340 .05603 -.23700 -.36020 -.38218
 -3.993 4.003 .94872 .02647 .01417 .01230 -.01293 .05383 -.22796 -.34516 -.38621
 GRADIENT -.00010 -.00035 -.00019 -.00016 -.00017 -.00072 -.00298 .00365 -.00262

RUN NO. 703/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 -.002 -8.031 .95034 .02934 .01567 .01367 -.01436 .05952 -.25251 -.38492 -.34046
 -.001 -4.034 .95016 .02742 .01466 .01277 -.01341 .05567 -.23598 -.36099 -.33701
 -.000 .081 .95029 .02573 .01376 .01196 -.01257 .05228 -.22145 -.34305 -.33592
 .002 3.977 .94852 .02448 .01306 .01142 -.01200 .04962 -.21049 -.31871 -.34029
 GRADIENT -.00020 -.00037 -.00020 -.00017 -.00018 -.00076 -.00319 .00527 -.00040

RUN NO. 704/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 3.992 -7.936 .94976 .03195 .01716 .01479 -.01555 .06519 -.27586 -.39255 -.30053
 3.997 -4.041 .95000 .03024 .01620 .01404 -.01476 .06153 -.25957 -.37557 -.28751
 3.984 .083 .95122 .02806 .01504 .01302 -.01369 .05711 -.24102 -.35622 -.28333
 3.998 3.998 .94875 .02622 .01392 .01230 -.01293 .05287 -.22344 -.33468 -.29535
 GRADIENT -.00015 -.00050 -.00028 -.00022 -.00023 -.00108 -.00450 .00508 -.00096

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0033) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

REFERENCE DATA		PARAMETRIC DATA									
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS	
-3.997	-8.100	1.04694	.03448	.01837	.01611	-.01693	.06978	-.29415	-.42699	-.44674	
-3.998	-4.067	1.05194	.03396	.01837	.01559	-.01639	.06979	-.29443	-.40459	-.46115	
-4.000	.004	1.05033	.03225	.01752	.01473	-.01549	.06656	-.28101	-.38576	-.46898	
-4.002	4.046	1.04974	.03091	.01688	.01403	-.01476	.06411	-.27065	-.37137	-.46843	
	GRADIENT	-.00027	-.00038	-.00018	-.00019	.00020	-.00070	.00293	.00410	-.00090	
		RUN NO. 705/ 0	RN/L = 2.50	GRADIENT INTERVAL =	-5.00/	5.00					
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS	
-0.002	-8.041	1.04966	.03322	.01779	.01544	-.01622	.06756	-.28573	-.41070	-.44957	
-0.001	-4.038	1.05110	.03158	.01703	.01455	-.01529	.06470	-.27403	-.38774	-.42396	
-0.000	-.031	1.05049	.03035	.01640	.01395	-.01467	.06229	-.26374	-.38063	-.41205	
-0.001	3.976	1.04941	.02955	.01594	.01361	-.01431	.06055	-.25682	-.36359	-.42952	
	GRADIENT	-.00021	-.00025	-.00014	-.00012	.00012	-.00052	.00215	.00301	-.00069	
		RUN NO. 706/ 0	RN/L = 2.50	GRADIENT INTERVAL =	-5.00/	5.00					
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS	
3.997	-8.024	1.04955	.03696	.02007	.01689	-.01776	.07622	-.32247	-.42797	-.38798	
4.001	-4.073	1.05167	.03475	.01882	.01593	-.01675	.07147	-.30128	-.40454	-.37075	
3.995	.015	1.05073	.03274	.01767	.01507	-.01584	.06712	-.28223	-.38544	-.35802	
4.006	4.070	1.04946	.03050	.01641	.01410	-.01482	.06231	-.26183	-.36843	-.36914	
	GRADIENT	-.00027	-.00052	-.00030	-.00023	.00024	-.00112	.00484	.00443	-.00020	
		RUN NO. 707/ 0	RN/L = 2.50	GRADIENT INTERVAL =	-5.00/	5.00					

IA613A(AEDC 16TF-829) B/L 0T + ASRM, PLUMES OFF

(TC0034) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 709/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 -4.000 -8.097 1.09825 .04064 .02178 .01886 -.01982 .08274 -.34822 -.47431 -.55291
 -3.999 -4.092 1.10069 .03868 .02086 .01783 -.01874 .07922 -.33289 -.43750 -.53428
 -3.997 .002 1.10007 .03686 .01993 .01694 -.01781 .07569 -.31862 -.42424 -.52047
 -4.003 4.046 1.09984 .03425 .01862 .01563 -.01644 .07072 -.29744 -.39727 -.51176
 GRADIENT -.00010 -.00054 -.00027 -.00028 -.00104 -.00494 .00277

RUN NO. 710/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 .002 -8.052 1.09977 .03866 .02077 .01788 -.01880 .07890 -.33211 -.45062 -.51093
 -.001 -4.747 1.10062 .03692 .01990 .01702 -.01789 .07559 -.31814 -.42743 -.48593
 .001 -4.031 1.10002 .03658 .01975 .01683 -.01769 .07501 -.31578 -.42477 -.48320
 -.000 .022 1.09973 .03545 .01922 .01622 -.01706 .07301 -.30773 -.41160 -.46591
 -.001 3.969 1.09937 .03470 .01887 .01583 -.01665 .07166 -.30139 -.39005 -.47999
 GRADIENT -.00012 -.00025 -.00012 -.00014 -.00045 -.00190 .00097

RUN NO. 711/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 3.996 -8.017 1.09938 .04251 .02289 .01962 -.02063 .08694 -.36589 -.47308 -.45928
 3.999 -4.058 1.10113 .03847 .02063 .01784 -.01875 .07836 -.32953 -.43612 -.43557
 3.991 .013 1.09997 .03672 .01968 .01704 -.01791 .07475 -.31363 -.41270 -.41592
 4.001 4.049 1.09976 .03450 .01846 .01604 -.01686 .07012 -.29400 -.39200 -.43113
 GRADIENT -.00017 -.00049 -.00027 -.00023 -.00102 -.00438 .00544

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0035) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 712/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.995	-8.109	1.14863	.03404	.01824	.01579	-.01660	.06928	-.29165	-.40878	-.47903
-4.014	-3.951	1.15025	.03282	.01766	.01516	-.01594	.06708	-.28226	-.38601	-.46575
-4.002	-.010	1.15002	.03194	.01723	.01471	-.01546	.06545	-.27537	-.37512	-.45680
-3.985	3.994	1.15008	.03068	.01663	.01405	-.01477	.06317	-.26522	-.35256	-.45143
	GRADIENT	-.00002	-.00027	-.00013	-.00014	.00015	-.00049	.00214	.00421	.00180

RUN NO. 713/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.054	1.15071	.03240	.01737	.01502	-.01579	.06599	-.27790	-.39432	-.45233
.000	-4.050	1.15025	.03133	.01689	.01445	-.01519	.06414	-.27022	-.37638	-.42397
-.001	-.035	1.15054	.03060	.01658	.01402	-.01474	.06298	-.26555	-.36722	-.41688
.001	3.967	1.14941	.03023	.01649	.01374	-.01445	.06263	-.26330	-.34606	-.42946
	GRADIENT	-.00010	-.00014	-.00005	-.00009	.00009	-.00019	.00086	.00378	-.00068

RUN NO. 714/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.993	-8.026	1.14983	.03613	.01945	.01668	-.01753	.07386	-.31123	-.41356	-.39276
3.999	-4.101	1.15064	.03344	.01794	.01550	-.01629	.06814	-.28659	-.38769	-.37504
3.996	.014	1.15079	.03223	.01728	.01495	-.01571	.06564	-.27572	-.37115	-.36093
4.001	4.076	1.15045	.03049	.01628	.01421	-.01493	.06185	-.25973	-.35555	-.37637
	GRADIENT	-.00002	-.00036	-.00020	-.00016	.00017	-.00077	.00328	.00393	-.00016

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0036) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 715/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 -3.998 -7.950 1.24977 .03025 .01613 .01412 -.01484 .06125 -.25832 -.37856 -.44690
 -3.998 -4.016 1.25006 .02984 .01598 .01386 -.01457 .06069 -.25539 -.35895 -.43927
 -3.993 -.005 1.24954 .02920 .01569 .01350 -.01419 .05961 -.25063 -.34394 -.43824
 -3.999 4.098 1.24978 .02778 .01495 .01283 -.01349 .05679 -.23834 -.32092 -.42639
 GRADIENT -.00003 -.00025 -.00013 -.00013 -.00048 -.00048 .00211 .00469 .00159

RUN NO. 716/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 .001 -8.088 1.25029 .02931 .01566 .01365 -.01434 .05948 -.25072 -.36406 -.42243
 .000 -4.058 1.25062 .02865 .01538 .01327 -.01395 .05842 -.24603 -.34699 -.39817
 -.001 -.021 1.24932 .02796 .01510 .01285 -.01351 .05736 -.24165 -.33528 -.39545
 -.002 3.962 1.25022 .02731 .01481 .01249 -.01314 .05626 -.23660 -.31486 -.40406
 GRADIENT -.00005 -.00017 -.00007 -.00010 -.00027 -.00027 .00118 .00400 .00073

RUN NO. 717/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 4.000 -8.064 1.24976 .03325 .01780 .01545 -.01624 .06759 -.28530 -.38403 -.36816
 4.004 -4.025 1.25022 .03164 .01696 .01469 -.01544 .06441 -.27166 -.36272 -.35987
 3.996 .006 1.25048 .02936 .01570 .01367 -.01436 .05962 -.25115 -.34279 -.34666
 3.996 3.982 1.24936 .02911 .01564 .01348 -.01416 .05939 -.25030 -.33572 -.35882
 GRADIENT -.00011 -.00032 -.00017 -.00015 -.00063 -.00063 .00267 .00338 .00014

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0037) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 DB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1449/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.996	-7.992	1.24925	.03028	.01610	.01418	-.01490	.06114	-.25789	-.37905	-.44612
-4.010	-3.922	1.25043	.02937	.01573	.01364	-.01433	.05977	-.25143	-.35789	-.43450
-4.004	-.009	1.24997	.02881	.01548	.01332	-.01400	.05881	-.24730	-.34372	-.43652
-3.995	4.008	1.24999	.02751	.01482	.01269	-.01334	.05630	-.23639	-.32193	-.42505
	GRADIENT	-.00005	-.00023	-.00012	-.00012	.00012	-.00044	.00190	.00454	.00120

RUN NO. 1450/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-8.084	1.24949	.02903	.01551	.01353	-.01421	.05890	-.24836	-.36323	-.42175
-.002	-5.129	1.25045	.02866	.01537	.01329	-.01397	.05839	-.24583	-.35036	-.39740
.000	-3.995	1.25018	.02837	.01525	.01313	-.01380	.05792	-.24395	-.34540	-.39463
-.001	-.042	1.24997	.02747	.01484	.01263	-.01328	.05637	-.23750	-.33345	-.39272
-.002	3.992	1.24976	.02705	.01469	.01235	-.01299	.05581	-.23471	-.31490	-.40257
	GRADIENT	-.00005	-.00017	-.00007	-.00010	.00010	-.00026	.00116	.00382	-.00100

RUN NO. 1451/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.996	-8.028	1.24963	.03272	.01752	.01520	-.01598	.06654	-.28087	-.38073	-.36738
4.002	-4.013	1.25004	.03105	.01663	.01441	-.01515	.06317	-.26644	-.36058	-.35843
3.995	.026	1.25013	.02869	.01536	.01333	-.01401	.05834	-.24567	-.33999	-.34816
4.004	4.077	1.24967	.02862	.01539	.01324	-.01391	.05844	-.24629	-.33456	-.35529
	GRADIENT	-.00005	-.00030	-.00015	-.00015	.00015	-.00058	.00249	.00322	.00039

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0038) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1453/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.996	-8.050	1.29971	.02961	.01576	.01385	-.01455	.05988	-.25298	-.37590	-.43541
-4.007	-3.922	1.30006	.02849	.01524	.01325	-.01392	.05788	-.24382	-.35022	-.41439
-4.003	-.012	1.29967	.02813	.01513	.01300	-.01366	.05748	-.24142	-.33097	-.41367
-4.000	3.996	1.29996	.02703	.01457	.01247	-.01310	.05533	-.23221	-.31302	-.40569
	GRADIENT	-.00001	-.00018	-.00009	-.00010	.00010	-.00032	.00147	.00470	.00110

RUN NO. 1454/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.090	1.30024	.02841	.01521	.01320	-.01387	.05777	-.24350	-.35444	-.41148
.000	-4.067	1.30022	.02804	.01508	.01296	-.01362	.05727	-.24110	-.33681	-.38878
-.000	-.045	1.29983	.02723	.01471	.01252	-.01316	.05589	-.23556	-.32523	-.38554
-.002	3.989	1.29995	.02678	.01453	.01225	-.01288	.05519	-.23230	-.30731	-.39475
	GRADIENT	-.00003	-.00016	-.00007	-.00009	.00009	-.00026	.00109	.00366	-.00074

RUN NO. 1455/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.000	-8.036	1.29898	.03236	.01734	.01501	-.01578	.06587	-.27813	-.37515	-.35487
4.002	-4.019	1.30005	.03098	.01666	.01432	-.01505	.06327	-.26681	-.35398	-.34776
3.996	.008	1.29998	.02774	.01489	.01285	-.01351	.05655	-.23884	-.33977	-.33569
4.000	3.980	1.29954	.02837	.01527	.01310	-.01377	.05800	-.24464	-.32968	-.34570
	GRADIENT	-.00006	-.00033	-.00017	-.00015	.00016	-.00066	.00278	.00304	.00026

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0039) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1457/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.998	-7.969	1.34985	.02977	.01578	.01399	-.01470	.05994	-.25353	-.36935	-.42763
-4.014	-3.925	1.35018	.02814	.01501	.01312	-.01379	.05703	-.24049	-.34241	-.41177
-4.005	-.052	1.34971	.02778	.01491	.01287	-.01352	.05665	-.23790	-.32158	-.40696
-3.998	4.000	1.34963	.02670	.01434	.01236	-.01299	.05447	-.22903	-.30659	-.40653
	GRADIENT	-.00007	-.00018	-.00009	-.00010	.00010	-.00032	.00145	.00451	.00066

RUN NO. 1458/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-8.089	1.34971	.02789	.01491	.01298	-.01364	.05665	-.23868	-.35013	-.39662
-.002	-4.073	1.35020	.02704	.01451	.01253	-.01317	.05512	-.23207	-.32599	-.37790
-.000	-.018	1.34911	.02673	.01442	.01230	-.01293	.05479	-.23077	-.31379	-.37525
-.002	3.952	1.34948	.02661	.01441	.01220	-.01283	.05474	-.23007	-.29620	-.38414
	GRADIENT	-.00009	-.00005	-.00001	-.00004	.00004	-.00005	.00025	.00371	-.00077

RUN NO. 1459/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.998	-7.899	1.34946	.03161	.01696	.01465	-.01540	.06442	-.27190	-.36738	-.35687
3.999	-4.099	1.35004	.03066	.01652	.01414	-.01486	.06276	-.26465	-.34617	-.34725
4.000	.019	1.35000	.02964	.01596	.01367	-.01437	.06063	-.25605	-.33019	-.32952
3.999	3.985	1.34940	.02800	.01504	.01297	-.01363	.05713	-.24175	-.32135	-.33998
	GRADIENT	-.00008	-.00033	-.00018	-.00014	.00015	-.00070	.00283	.00308	.00092

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0040) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1460/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.995	-8.026	1.39968	.02999	.01596	.01403	-.01475	.06062	-.25747	-.36206	-.41733
-4.015	-3.923	1.39973	.02800	.01493	.01307	-.01373	.05671	-.23956	-.33918	-.39545
-4.007	-.020	1.40022	.02739	.01467	.01272	-.01337	.05573	-.23430	-.31581	-.39628
-3.998	4.003	1.39984	.02647	.01418	.01229	-.01291	.05386	-.22666	-.29989	-.39980
	GRADIENT	.00001	-.00019	-.00009	-.00010	.00010	-.00036	.00163	.00495	-.00055

RUN NO. 1461/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-8.089	1.39975	.02775	.01484	.01292	-.01358	.05635	-.23717	-.34797	-.38428
-.002	-4.805	1.40008	.02763	.01483	.01280	-.01346	.05634	-.23756	-.33031	-.36531
.000	-4.041	1.39978	.02738	.01470	.01268	-.01332	.05584	-.23535	-.32369	-.36617
-.001	-.052	1.40000	.02682	.01443	.01239	-.01302	.05482	-.23111	-.30828	-.36162
-.002	3.941	1.39966	.02645	.01428	.01217	-.01279	.05425	-.22800	-.28813	-.37375
	GRADIENT	-.00003	-.00013	-.00006	-.00007	.00007	-.00023	.00104	.00463	-.00076

RUN NO. 1462/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.993	-8.034	1.39977	.03112	.01670	.01442	-.01516	.06343	-.26800	-.35733	-.34559
3.999	-4.020	1.39963	.03041	.01640	.01402	-.01474	.06228	-.26282	-.33855	-.33952
3.998	.015	1.39994	.03000	.01618	.01382	-.01452	.06147	-.25962	-.32795	-.32103
3.999	4.044	1.39966	.02839	.01530	.01309	-.01376	.05812	-.24617	-.31362	-.33014
	GRADIENT	.00000	-.00025	-.00014	-.00011	.00012	-.00052	.00206	.00309	-.00116

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0041) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = .000

LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000

BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT

SCALE = .0300

PARAMETRIC DATA

RUN NO. 1464/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.945	-7.904	1.54929	.02899	.01553	.01346	-.01414	.05898	-.25066	-.33326	-.38742
-3.927	-3.881	1.54540	.02830	.01516	.01314	-.01381	.05757	-.24453	-.31711	-.36017
-3.902	-.053	1.54953	.02626	.01404	.01222	-.01285	.05332	-.22559	-.29069	-.37560
-3.916	3.952	1.54922	.02522	.01351	.01171	-.01231	.05130	-.21663	-.27156	-.38681
	GRADIENT	.00048	-.00039	-.00021	-.00018	.00019	-.00080	.00355	.00581	-.00340

RUN NO. 1465/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.002	-7.973	1.54916	.02682	.01433	.01249	-.01312	.05444	-.22871	-.32327	-.35488
.001	-3.973	1.54876	.02693	.01451	.01242	-.01306	.05511	-.23175	-.30910	-.33416
-.001	.039	1.54973	.02647	.01427	.01219	-.01282	.05421	-.22819	-.28513	-.33643
.002	4.096	1.54869	.02488	.01340	.01148	-.01207	.05091	-.21436	-.26569	-.35658
	GRADIENT	-.00001	-.00025	-.00014	-.00012	.00012	-.00052	.00216	.00538	-.00278

RUN NO. 1466/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.045	-7.993	1.54919	.02789	.01495	.01294	-.01360	.05678	-.23976	-.32957	-.31507
4.073	-4.164	1.54926	.02808	.01507	.01301	-.01368	.05723	-.24239	-.32460	-.31124
4.099	.015	1.54972	.02908	.01571	.01337	-.01406	.05967	-.25290	-.31023	-.30461
4.068	4.141	1.54870	.02699	.01459	.01241	-.01304	.05541	-.23509	-.28303	-.31360
	GRADIENT	-.00007	-.00013	-.00006	-.00007	.00008	-.00022	.00087	.00500	-.00028

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1.2 (TC0042) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 837/ O		RN/L = 2.51		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.005	-7.921	.60088	.01796	.01042	.00753	-.00795	.03960	-.17090	-.23898	-.19799
-3.999	-4.005	.60089	.01555	.00911	.00644	-.00680	.03460	-.14823	-.21888	-.18875
-4.000	-.003	.60126	.01298	.00773	.00525	-.00555	.02936	-.12605	-.20595	-.17827
-3.995	3.988	.60078	.01133	.00706	.00427	-.00453	.02682	-.11564	-.18867	-.15322
	GRADIENT	-.00001	-.00053	-.00026	-.00027	.00028	-.00097	.00408	.00378	.00444

RUN NO. 838/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-7.912	.59829	.01435	.00851	.00584	-.00617	.03234	-.13984	-.23426	-.22367
.000	-3.952	.59983	.01226	.00733	.00493	-.00521	.02784	-.12120	-.21452	-.17926
.000	-.066	.60053	.00988	.00599	.00389	-.00412	.02274	-.09943	-.20039	-.15417
-.001	4.030	.60042	.00878	.00541	.00337	-.00357	.02054	-.08818	-.18723	-.14059
	GRADIENT	.00007	-.00044	-.00024	-.00020	.00021	-.00092	.00414	.00342	.00485

RUN NO. 839/ O		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.997	-8.080	.59854	.01766	.01025	.00740	-.00781	.03894	-.17051	-.24867	-.16463
3.989	-4.001	.59989	.01520	.00899	.00621	-.00656	.03416	-.14820	-.22487	-.14597
3.989	-.049	.59987	.01253	.00741	.00512	-.00541	.02814	-.12108	-.21261	-.13416
3.989	3.991	.59976	.00998	.00585	.00414	-.00437	.02221	-.09663	-.19477	-.12976
	GRADIENT	-.00002	-.00065	-.00039	-.00026	.00027	-.00150	.00645	.00377	.00202

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IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC0043) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABDX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 833/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.003	-8.024	.79940	.01733	.00988	.00745	-.00785	.03752	-.15939	-.22538	-.17746
-4.001	-3.991	.80053	.01394	.00814	.00580	-.00613	.03091	-.13069	-.20140	-.15727
-4.013	.097	.80016	.01170	.00686	.00484	-.00511	.02606	-.11067	-.18770	-.14279
-3.994	4.008	.79964	.00986	.00598	.00388	-.00410	.02273	-.09752	-.16386	-.13484
GRADIENT		-.00011	-.00051	-.00027	-.00024	.00025	-.00102	.00415	.00468	.00281

RUN NO. 834/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.047	.79982	.01338	.00791	.00547	-.00578	.03004	-.12955	-.21787	-.17630
.001	-3.909	.80071	.01095	.00646	.00450	-.00475	.02452	-.10679	-.19761	-.14134
-.000	.063	.80015	.00905	.00536	.00369	-.00390	.02035	-.08878	-.18179	-.12170
-.001	4.063	.79934	.00716	.00433	.00283	-.00299	.01644	-.07097	-.16225	-.11563
GRADIENT		-.00017	-.00048	-.00027	-.00021	.00022	-.00101	.00449	.00444	.00322

RUN NO. 835/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.992	-7.975	.79925	.01699	.00995	.00704	-.00743	.03780	-.16299	-.22567	-.12081
3.990	-4.014	.80045	.01389	.00820	.00569	-.00601	.03116	-.13274	-.20331	-.10974
3.979	-.048	.80023	.01160	.00684	.00475	-.00502	.02599	-.10948	-.18982	-.10581
3.999	3.915	.79966	.00941	.00557	.00384	-.00406	.02114	-.09074	-.17061	-.10255
GRADIENT		-.00010	-.00057	-.00033	-.00023	.00025	-.00126	.00530	.00412	.00091

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1.2 (TC0044) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.999	-8.066	.89908	.01729	.00978	.00751	-.00792	.03714	-.15628	-.21961	-.15622
-4.011	-3.943	.89979	.01338	.00763	.00576	-.00607	.02897	-.12215	-.19339	-.13528
-4.001	.025	.89980	.01089	.00624	.00465	-.00491	.02370	-.10086	-.17598	-.12237
-3.996	4.003	.90012	.00896	.00537	.00358	-.00379	.02041	-.08705	-.15262	-.11339
	GRADIENT	.00004	-.00056	-.00028	-.00027	.00029	-.00108	.00442	.00513	.00275

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.048	.89987	.01349	.00779	.00569	-.00600	.02960	-.12691	-.21166	-.15143
.001	-4.540	.90037	.01105	.00642	.00463	-.00488	.02440	-.10506	-.18761	-.12226
.000	-3.909	.89981	.01075	.00621	.00453	-.00478	.02360	-.10182	-.18633	-.11687
-.000	-.021	.89981	.00857	.00489	.00368	-.00388	.01858	-.08147	-.16601	-.09086
-.001	4.096	.89956	.00651	.00372	.00279	-.00294	-.01412	-.06324	-.15309	-.09958
	GRADIENT	-.00007	-.00053	-.00032	-.00021	.00023	-.00120	.00487	.00415	.00284

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.991	-7.979	.89956	.01719	.00999	.00721	-.00760	.03793	-.16126	-.22068	-.10633
3.987	-3.996	.90017	.01327	.00777	.00550	-.00581	.02950	-.12499	-.19751	-.09126
3.974	.026	.90069	.01052	.00614	.00437	-.00462	.02333	-.09953	-.18069	-.08883
3.990	3.992	.89977	.00889	.00521	.00368	-.00388	.01978	-.08398	-.15825	-.09210
	GRADIENT	-.00005	-.00055	-.00032	-.00023	.00024	-.00122	.00514	.00491	-.00010

(((

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC0045) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = .000

LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000

BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT

SCALE = .0300

PARAMETRIC DATA

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.004	-8.044	.94901	.01673	.00946	.00728	-.00767	.03592	-.14973	-.21212	-.13651
-4.007	-3.976	.95043	.01250	.00704	.00546	-.00575	.02675	-.11180	-.18682	-.11436
-4.002	.001	.94992	.00995	.00554	.00441	-.00464	.02104	-.08859	-.17171	-.10365
-3.993	3.997	.94943	.00799	.00453	.00347	-.00365	.01719	-.07300	-.15598	-.10338
GRADIENT		-.00013	-.00057	-.00032	-.00025	.00026	-.00120	.00487	.00387	.00138

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.050	.94988	.01408	.00797	.00610	-.00643	.03029	-.13048	-.19894	-.13447
.000	-4.038	.95003	.01019	.00583	.00436	-.00460	.02214	-.09542	-.17521	-.10722
-.001	-.036	.95023	.00765	.00422	.00343	-.00361	.01604	-.06917	-.16150	-.08154
-.001	4.095	.94936	.00527	.00285	.00242	-.00255	.01083	-.04859	-.13916	-.08310
GRADIENT		-.00008	-.00060	-.00037	-.00024	.00025	-.00139	.00575	.00444	.00295

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.992	-7.961	.94949	.01642	.00943	.00699	-.00737	.03584	-.15091	-.21275	-.09539
3.992	-4.017	.95025	.01298	.00749	.00548	-.00578	.02847	-.11899	-.18846	-.07770
3.973	.071	.95068	.01040	.00594	.00446	-.00470	.02256	-.09417	-.17263	-.07197
3.991	3.984	.94955	.00793	.00434	.00359	-.00378	.01647	-.07037	-.15138	-.07164
GRADIENT		-.00009	-.00063	-.00039	-.00024	.00025	-.00150	.00608	.00463	.00076

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC0046) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 823/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.003	-7.964	1.04795	.01942	.01087	.00856	-.00901	.04128	-.17131	-.22029	-.12929
-4.009	-3.973	1.05075	.01617	.00906	.00711	-.00749	.03441	-.14289	-.20317	-.11489
-4.010	.110	1.05062	.01426	.00797	.00629	-.00663	.03026	-.12514	-.19248	-.09480
-3.996	3.993	1.04943	.01228	.00691	.00537	-.00566	.02625	-.10658	-.17832	-.08083
	GRADIENT	-.00016	-.00049	-.00027	-.00022	.00023	-.00102	.00456	.00311	.00428

RUN NO. 824/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-7.887	1.04877	.01582	.00869	.00713	-.00750	.03301	-.13950	-.21156	-.13062
-.000	-4.049	1.05147	.01524	.00830	.00695	-.00731	.03151	-.13184	-.20842	-.10895
-.001	-.023	1.05078	.01433	.00780	.00653	-.00687	.02962	-.12261	-.20169	-.07927
-.002	4.082	1.04961	.01006	.00540	.00466	-.00490	.02051	-.08481	-.17012	-.08083
	GRADIENT	-.00023	-.00064	-.00036	-.00028	.00030	-.00136	.00579	.00472	.00345

RUN NO. 825/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.996	-8.087	1.04827	.01925	.01051	.00874	-.00920	.03991	-.16540	-.21514	-.09995
3.995	-4.027	1.05266	.01766	.00961	.00805	-.00847	.03651	-.15061	-.20248	-.07686
3.993	.003	1.05090	.01535	.00839	.00697	-.00733	.03185	-.13126	-.18771	-.05786
4.000	4.045	1.04914	.01251	.00686	.00565	-.00594	.02605	-.10660	-.17701	-.04751
	GRADIENT	-.00044	-.00064	-.00034	-.00030	.00031	-.00130	.00545	.00316	.00364

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (TC0047) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 820/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.000	-8.079	1.09762	.02433	.01347	.01087	-.01144	.05115	-.21252	-.27117	-.18262
-4.012	-3.945	1.10167	.02037	.01123	.00914	-.00962	.04265	-.17765	-.24569	-.15643
-4.009	.109	1.10017	.01891	.01040	.00850	-.00895	.03951	-.16461	-.24225	-.13212
-3.990	4.005	1.09909	.01742	.00947	.00795	-.00836	.03596	-.14837	-.23936	-.10703
	GRADIENT	-.00032	-.00037	-.00022	-.00015	.00016	-.00084	.00368	.00080	.00621

RUN NO. 821/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.081	1.09889	.02074	.01132	.00942	-.00991	.04299	-.18156	-.26088	-.18967
.000	-4.762	1.10114	.01865	.01013	.00852	-.00896	.03847	-.16166	-.24677	-.15320
.000	-4.042	1.09979	.01859	.01007	.00852	-.00896	.03823	-.16058	-.24617	-.14514
-.001	.104	1.10050	.01794	.00967	.00827	-.00870	.03673	-.15257	-.24392	-.11893
-.002	3.969	1.09916	.01659	.00886	.00774	-.00813	.03364	-.13984	-.22968	-.11773
	GRADIENT	-.00015	-.00023	-.00014	-.00009	.00009	-.00054	.00246	.00183	.00414

RUN NO. 822/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.994	-8.093	1.09538	.02616	.01417	.01198	-.01260	.05384	-.22368	-.26859	-.14258
3.995	-4.066	1.10331	.02091	.01129	.00962	-.01011	.04290	-.17741	-.24199	-.10324
3.990	.011	1.10072	.01957	.01051	.00906	-.00952	.03993	-.16526	-.23898	-.09227
3.997	4.020	1.09963	.01790	.00963	.00827	-.00869	.03658	-.15150	-.23748	-.09453
	GRADIENT	-.00046	-.00037	-.00021	-.00017	.00018	-.00078	.00320	.00056	.00108

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (TC0048) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.001	-8.013	1.14925	.01757	.00979	.00778	-.00819	.03719	-.15425	-.20811	-.12486
-4.000	-4.025	1.15098	.01502	.00835	.00667	-.00702	.03171	-.13162	-.19154	-.10369
-4.011	.098	1.15046	.01364	.00755	.00609	-.00641	.02868	-.11925	-.18840	-.07546
-3.990	3.999	1.14948	.01255	.00692	.00564	-.00593	.02627	-.10813	-.18829	-.05621
	GRADIENT	-.00019	-.00031	-.00018	-.00013	.00014	-.00068	.00293	.00041	.00593

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.098	1.14905	.01488	.00814	.00674	-.00709	.03092	-.13076	-.20364	-.13430
.000	-4.051	1.15055	.01318	.00712	.00606	-.00637	.02703	-.11335	-.19161	-.09188
-.001	-.031	1.15059	.01263	.00676	.00588	-.00618	.02566	-.10623	-.19360	-.06920
-.002	4.079	1.14955	.01147	.00611	.00536	-.00563	.02322	-.09611	-.17911	-.08092
	GRADIENT	-.00012	-.00021	-.00012	-.00009	.00009	-.00047	.00212	.00154	.00133

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.993	-8.089	1.14778	.01844	.01000	.00845	-.00888	.03797	-.15736	-.20306	-.08405
3.993	-4.043	1.15039	.01573	.00849	.00724	-.00762	.03224	-.13278	-.18743	-.05125
3.989	.017	1.15024	.01439	.00771	.00668	-.00702	.02928	-.12075	-.18271	-.04021
3.998	4.059	1.15033	.01280	.00688	.00592	-.00622	.02611	-.10721	-.18030	-.04505
	GRADIENT	-.00001	-.00036	-.00020	-.00016	.00017	-.00076	.00316	.00088	.00077

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC0049) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 813/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.004	-7.949	1.24864	.01659	.00928	.00731	-.00770	.03523	-.14645	-.20120	-.11699
-4.012	-3.955	1.25012	.01480	.00817	.00664	-.00699	.03101	-.12884	-.18512	-.08868
-4.008	.004	1.25020	.01332	.00729	.00603	-.00634	.02770	-.11483	-.18590	-.06522
-3.996	4.006	1.24992	.01185	.00641	.00544	-.00572	.02435	-.10110	-.18350	-.04473
	GRADIENT	-.00003	-.00037	-.00022	-.00015	.00016	-.00084	.00348	.00020	.00552

RUN NO. 814/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.082	1.24921	.01388	.00756	.00633	-.00665	.02870	-.12145	-.19639	-.13834
-.000	-4.037	1.25023	.01284	.00691	.00593	-.00623	.02624	-.11003	-.18496	-.08488
-.001	-.045	1.25008	.01251	.00665	.00586	-.00615	.02527	-.10484	-.18546	-.06003
-.002	3.966	1.24983	.01171	.00619	.00552	-.00580	.02351	-.09734	-.17774	-.05908
	GRADIENT	-.00005	-.00014	-.00009	-.00005	.00005	-.00034	.00159	.00090	.00322

RUN NO. 815/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.992	-8.064	1.24864	.01778	.00965	.00813	-.00855	.03665	-.15253	-.19309	-.08172
3.997	-4.065	1.25044	.01609	.00870	.00738	-.00776	.03305	-.13634	-.18036	-.05255
3.990	.011	1.25042	.01433	.00768	.00665	-.00699	.02918	-.12051	-.18042	-.04132
4.003	4.085	1.25013	.01272	.00673	.00600	-.00630	.02554	-.10515	-.17923	-.04624
	GRADIENT	-.00004	-.00041	-.00024	-.00017	.00018	-.00092	.00383	.00014	.00077

IA613A(AEDC 16TF-829) B/L 0T + ASRM+PLUMES S1,2

(TC0050) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 810/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA 1.29928 MACH .01713 CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 -4.004 -7.968 .01538 .00844 .00695 .00731 .03205 .03620 .15098 .20835 .12057
 -4.014 -3.918 .01389 .00756 .00633 .00613 .02873 .02873 .13293 .18789 .08264
 -4.002 .000 .01263 .00680 .00583 .00014 .00078 .00078 .11888 .19042 .05552
 -4.006 4.088 1.29993 1.29977 1.29993 1.29977 1.29993 1.29977 1.0727 .18862 .04584
 GRADIENT -.00009 -.00034 -.00020 -.00015 -.00078 -.00078 .00320 .00320 .00009 .00009 .00458

RUN NO. 811/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA 1.29915 MACH .01462 CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 .001 -8.093 .01379 .00738 .00641 .00673 .03024 .03024 .12737 .20189 .13859
 .000 -4.075 .01335 .00710 .00625 .00656 .02697 .02697 .11208 .18986 .08615
 -.001 -.027 4.087 1.29970 1.29970 1.29970 1.29970 1.29970 1.1208 .19143 .06670
 -.002 4.087 1.29970 1.29970 1.29970 1.29970 1.29970 1.29970 1.0184 .18106 .06247
 GRADIENT -.00013 -.00019 -.00011 -.00008 -.00008 -.00042 .00189 .00189 .00108 .00108 .00290

RUN NO. 812/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA 1.29901 MACH .01818 CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 3.993 -8.073 .01680 .00907 .00832 .00874 .03747 .03747 .15657 .20031 .08317
 3.993 -4.071 .01497 .00804 .00772 .00812 .03446 .03446 .14268 .18404 .05042
 3.991 .016 1.29991 1.29991 1.29991 1.29991 1.29991 1.29991 1.2637 .18295 .03907
 4.000 4.084 1.29984 1.29984 1.29984 1.29984 1.29984 1.29984 1.0816 .18631 .04946
 GRADIENT -.00010 -.00045 -.00026 -.00019 -.00020 .00423 .00423 .00423 .00028 .00028 .00012

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC0051) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 806/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.003	-7.961	1.34906	.01626	.00905	.00721	-.00759	.03437	-.14362	-.20838	-.12236
-4.017	-3.929	1.35034	.01539	.00844	.00695	-.00731	.03205	-.13276	-.18405	-.07866
-4.009	-.019	1.35005	.01378	.00749	.00629	-.00662	.02845	-.11733	-.18377	-.05511
-3.995	4.000	1.34992	.01254	.00674	.00580	-.00609	.02559	-.10575	-.18281	-.04811
	GRADIENT	-.00005	-.00036	-.00021	-.00014	.00015	-.00081	.00340	.00016	.00384

RUN NO. 807/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.089	1.34947	.01414	.00775	.00639	-.00672	.02943	-.12398	-.19691	-.13640
-.000	-4.039	1.35070	.01335	.00719	.00616	-.00647	.02732	-.11433	-.18251	-.08195
-.001	-.037	1.35048	.01297	.00691	.00606	-.00637	.02626	-.10886	-.18586	-.06054
-.002	3.957	1.34968	.01227	.00649	.00578	-.00608	.02465	-.10202	-.17726	-.05763
	GRADIENT	-.00013	-.00013	-.00009	-.00005	.00005	-.00033	.00154	.00066	.00304

RUN NO. 808/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.991	-7.929	1.34867	.01782	.00964	.00818	-.00860	.03661	-.15376	-.19715	-.07938
4.008	-4.031	1.35050	.01663	.00901	.00762	-.00801	.03422	-.14221	-.18005	-.04914
3.989	.009	1.34935	.01505	.00810	.00695	-.00731	.03075	-.12727	-.17647	-.04014
3.998	4.073	1.35045	.01280	.00677	.00603	-.00633	.02572	-.10559	-.18129	-.05278
	GRADIENT	-.00001	-.00047	-.00028	-.00020	.00021	-.00105	.00452	-.00015	-.00045

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(TC0052) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 803/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.006	-7.959	1.40004	.01661	.00927	.00734	-.00773	.03520	-.14756	-.21159	-.12551
-4.001	-4.008	1.40040	.01526	.00836	.00690	-.00726	.03177	-.13195	-.19018	-.08015
-4.006	.026	1.39995	.01360	.00737	.00624	-.00656	.02798	-.11518	-.18447	-.06069
-3.997	4.004	1.39986	.01264	.00681	.00583	-.00613	.02586	-.10648	-.18224	-.05242
	GRADIENT	-.00007	-.00033	-.00019	-.00013	.00014	-.00074	.00318	.00099	.00346

RUN NO. 804/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.083	1.39943	.01443	.00790	.00653	-.00687	.03000	-.12612	-.20008	-.13187
-.000	-4.064	1.40047	.01415	.00760	.00655	-.00688	.02886	-.12048	-.18639	-.07659
-.001	-.039	1.39975	.01366	.00727	.00639	-.00671	.02761	-.11459	-.18994	-.06002
-.002	3.963	1.39990	.01261	.00665	.00596	-.00626	.02526	-.10449	-.17835	-.05427
	GRADIENT	-.00007	-.00019	-.00012	-.00007	.00008	-.00045	.00199	.00100	.00278

RUN NO. 805/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.989	-8.074	1.39953	.01772	.00957	.00815	-.00857	.03634	-.15308	-.19520	-.08629
3.994	-4.073	1.40052	.01659	.00899	.00760	-.00799	.03414	-.14207	-.18005	-.05087
3.987	.016	1.39990	.01497	.00805	.00692	-.00727	.03056	-.12644	-.17619	-.03916
3.997	4.079	1.40031	.01322	.00700	.00622	-.00653	.02658	-.10920	-.18405	-.05007
	GRADIENT	-.00003	-.00041	-.00024	-.00017	.00018	-.00093	.00403	-.00049	.00010

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0053) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1373/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.008	-7.975	1.24917	.00715	.00412	.00303	-.00319	.01564	-.06397	-.11343	-.01699
-4.020	-3.952	1.25032	.00593	.00318	.00276	-.00290	.01206	-.04896	-.09969	.01597
-4.002	.003	1.25002	.00484	.00238	.00246	-.00258	.00905	-.03664	-.10915	.05801
-3.988	4.000	1.24968	.00392	.00187	.00205	-.00214	.00712	-.02924	-.11734	.09066
	GRADIENT	-.00008	-.00025	-.00016	-.00009	.00010	-.00062	.00248	-.00222	.00939

RUN NO. 1374/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.074	1.24948	.00560	.00302	.00258	-.00272	.01145	-.04787	-.10079	-.01167
.001	-5.161	1.25033	.00546	.00281	.00265	-.00278	.01066	-.04449	-.10467	.00971
.000	-4.073	1.25001	.00525	.00263	.00262	-.00274	.00999	-.04183	-.10307	.02498
-.001	-.044	1.25022	.00500	.00245	.00254	-.00266	.00932	-.03868	-.10432	.05889
-.002	4.080	1.24974	.00362	.00172	.00190	-.00199	.00652	-.02658	-.10792	.05107
	GRADIENT	-.00003	-.00020	-.00011	-.00009	.00009	-.00043	.00188	-.00059	.00318

RUN NO. 1375/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.995	-8.090	1.24902	.00809	.00435	.00374	-.00393	.01652	-.06766	-.09479	-.00449
4.001	-4.026	1.25022	.00628	.00332	.00296	-.00311	.01263	-.05171	-.08813	.03145
3.994	.016	1.25030	.00501	.00259	.00243	-.00255	.00983	-.04059	-.09257	.04635
4.009	4.080	1.25003	.00465	.00236	.00229	-.00240	.00898	-.03668	-.10992	.04759
	GRADIENT	-.00002	-.00020	-.00012	-.00008	.00009	-.00045	.00185	-.00269	.00199

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0054) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1377/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.007	-7.969	1.29939	.00794	.00456	.00338	-.00357	.01730	-.07052	-.11870	-.02128
-4.013	-3.936	1.30059	.00662	.00359	.00303	-.00318	.01363	-.05491	-.10256	.01400
-4.006	-.005	1.29963	.00535	.00267	.00269	-.00281	.01014	-.04088	-.11276	.05612
-3.990	3.990	1.29959	.00475	.00236	.00239	-.00251	.00895	-.03674	-.12304	.08405
GRADIENT		-.00013	-.00024	-.00016	-.00008	.00009	-.00059	.00229	-.00258	.00883

RUN NO. 1378/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.071	1.29988	.00616	.00333	.00284	-.00298	.01264	-.05235	-.10617	-.01664
.000	-4.056	1.30004	.00598	.00308	.00289	-.00303	.01172	-.04886	-.10936	.02210
-.001	-.039	1.29969	.00580	.00290	.00290	-.00304	.01100	-.04537	-.11196	.05396
-.002	3.972	1.29992	.00441	.00218	.00222	-.00233	.00830	-.03382	-.11397	.04626
GRADIENT		-.00001	-.00020	-.00011	-.00008	.00009	-.00043	.00187	-.00057	.00301

RUN NO. 1379/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.998	-8.074	1.29933	.00910	.00493	.00417	-.00439	.01872	-.07642	-.09328	-.00699
3.999	-4.101	1.30018	.00718	.00384	.00334	-.00351	.01458	-.05979	-.09208	.02845
3.990	.017	1.29996	.00563	.00297	.00266	-.00280	.01128	-.04670	-.09535	.04465
4.007	4.088	1.29960	.00524	.00271	.00253	-.00265	.01030	-.04205	-.11618	.04102
GRADIENT		-.00007	-.00024	-.00014	-.00010	.00010	-.00052	.00217	-.00294	.00154

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0055) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1380/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.008	-7.978	1.34949	.00837	.00482	.00356	-.00375	.01830	-.07483	-.11644	-.02185
-4.016	-3.948	1.34998	.00716	.00387	.00329	-.00346	.01470	-.05937	-.10279	-.01463
-4.009	.022	1.35009	.00598	.00299	.00299	-.00314	.01136	-.04568	-.11114	.05266
-4.009	4.090	1.35005	.00534	.00267	.00266	-.00279	.01016	-.04148	-.12304	.07962
	GRADIENT	.00001	-.00023	-.00015	-.00008	.00008	-.00056	.00222	-.00252	.00808

RUN NO. 1381/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.014	1.34958	.00657	.00358	.00299	-.00315	.01359	-.05620	-.11074	-.01537
.000	-4.093	1.35053	.00640	.00328	.00312	-.00327	.01247	-.05177	-.10865	.02226
-.001	-.049	1.34985	.00601	.00302	.00299	-.00314	.01146	-.04710	-.11575	.05445
-.002	3.971	1.34944	.00498	.00252	.00247	-.00259	.00956	-.03900	-.11589	.04370
	GRADIENT	-.00014	-.00018	-.00010	-.00008	.00009	-.00036	.00158	-.00090	.00266

RUN NO. 1382/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.991	-8.041	1.34961	.00884	.00482	.00402	-.00423	.01831	-.07494	-.10270	-.00586
3.999	-4.026	1.35014	.00769	.00410	.00359	-.00377	.01556	-.06397	-.09202	.02798
3.988	.018	1.35003	.00646	.00342	.00304	-.00320	.01299	-.05375	-.09695	.03932
4.000	4.070	1.34998	.00577	.00298	.00279	-.00293	.01130	-.04602	-.11566	.03514
	GRADIENT	-.00002	-.00024	-.00014	-.00010	.00010	-.00053	.00222	-.00292	.00088

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0056) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1385/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAT CPAS
 -4.005 -7.963 1.39971 .00840 .00477 .00364 -.00383 .01811 -.07414 -.11882 -.02434
 -4.016 -3.937 1.39997 .00728 .00394 .00334 -.00351 .01495 -.06042 -.10450 .01398
 -4.006 -.017 1.40013 .00613 .00308 .00305 -.00320 .01170 -.04709 -.11356 .05062
 -3.992 3.998 1.40017 .00567 .00284 .00284 -.00297 .01078 -.04370 -.12432 .07344
 GRADIENT .00003 -.00020 -.00014 -.00006 -.00007 .00007 -.00053 .00210 -.00250 .00748

RUN NO. 1386/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAT CPAS
 .001 -8.089 1.39950 .00690 .00373 .00317 -.00334 .01417 -.05824 -.11360 -.01482
 .000 -4.859 1.39996 .00694 .00358 .00336 -.00353 .01359 -.05658 -.11109 .01895
 -.000 -4.066 1.39984 .00690 .00352 .00337 -.00354 .01338 -.05566 -.11042 .02715
 -.001 -.046 1.39962 .00657 .00329 .00328 -.00344 .01249 -.05135 -.12008 .05695
 -.002 3.964 1.39997 .00554 .00278 .00275 -.00289 .01057 -.04306 -.11785 .05161
 GRADIENT -.00000 -.00015 -.00009 -.00007 -.00033 .00150 .00389

RUN NO. 1387/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAT CPAS
 3.996 -8.081 1.39958 .00867 .00477 .00390 -.00411 .01811 -.07412 -.10610 .00793
 4.005 -4.012 1.40017 .00786 .00421 .00366 -.00384 .01598 -.06573 -.09297 .02762
 3.992 -.006 1.39970 .00646 .00343 .00303 -.00319 .01301 -.05380 .09830 .03858
 3.997 4.074 1.39973 .00616 .00318 .00298 -.00313 .01208 -.04928 .11855 .03451
 GRADIENT -.00005 -.00021 -.00013 -.00008 -.00048 .00203 .00085

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1.3

(TC0057) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1388/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.933	-7.922	1.54966	.00770	.00438	.00332	-.00350	.01663	-.06855	-.12779	-.04551
-3.921	-3.964	1.54946	.00825	.00442	.00382	-.00402	.01680	-.06845	-.11364	.00570
-3.905	.004	1.54901	.00670	.00352	.00318	-.00334	.01336	-.05424	-.11694	.03980
-3.907	3.943	1.54899	.00670	.00340	.00329	-.00345	.01293	-.05201	-.12506	.05891
	GRADIENT	-.00006	-.00020	-.00013	-.00007	.00007	-.00049	.00208	-.00144	.00673

RUN NO. 1389/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.002	-7.978	1.54967	.00771	.00421	.00350	-.00368	.01598	-.06591	-.12492	-.02617
.001	-3.969	1.54929	.00771	.00399	.00372	-.00391	.01516	-.06279	-.11525	.02146
-.001	.062	1.54880	.00781	.00401	.00380	-.00399	.01523	-.06227	-.12728	.04145
-.002	4.075	1.54937	.00674	.00345	.00329	-.00345	.01310	-.05338	-.11743	.05073
	GRADIENT	.00001	-.00012	-.00007	-.00005	.00006	-.00026	.00117	-.00027	.00364

RUN NO. 1390/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.046	-8.123	1.54831	.00897	.00492	.00405	-.00427	.01867	-.07710	-.11055	-.01423
4.072	-4.166	1.55072	.00849	.00465	.00384	-.00403	.01766	-.07287	-.09570	.01660
4.092	.019	1.54939	.00754	.00408	.00346	-.00363	.01550	-.06409	-.10242	.02940
4.072	4.148	1.54893	.00733	.00388	.00345	-.00362	.01475	-.06033	-.12746	.01924
	GRADIENT	-.00022	-.00014	-.00009	-.00005	.00005	-.00035	.00151	-.00382	.00032

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0058) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1525/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -8.033 MACH 1.39899 CNB .00753 CNBO .00434 CNBF .00319 CLMB -.00336 CPAD -.06802 CPAT -.11819 CPAS -.03405
 -3.927 -4.004 1.40055 .00704 .00385 .00319 .00335 .01463 .05945 .09724 .00012
 -3.847 -.080 1.39972 .00568 .00284 .00284 .00298 .01078 .04299 .10699 .03602
 -3.979 3.956 1.39978 .00554 .00273 .00280 .00294 .01038 .04179 .12284 .07048
 GRADIENT -.00010 -.00019 -.00014 -.00005 -.00005 -.00053 .00221 -.00322 .00884

RUN NO. 1526/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -8.107 MACH 1.39931 CNB .00639 CNBO .00342 CNBF .00297 CLMB -.00312 CPAD -.05348 CPAT -.11326 CPAS -.01367
 -.003 -4.080 1.39999 .00671 .00346 .00326 .00342 .01313 .05473 .10813 .02541
 -.002 -.119 1.39979 .00622 .00313 .00309 .00324 .01189 .04897 .11365 .05540
 -.000 4.005 1.39939 .00543 .00276 .00267 .00280 .01047 .04278 .11789 .05604
 GRADIENT -.00007 -.00016 -.00009 -.00007 -.00008 .00033 .00148 -.00121 .00376

RUN NO. 1527/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -8.059 MACH 1.39983 CNB .00846 CNBO .00468 CNBF .00378 CLMB -.00398 CPAD -.07341 CPAT -.10167 CPAS -.00841
 3.911 -3.989 1.40069 .00744 .00399 .00345 .00345 .01516 .06263 .08996 .02731
 3.856 -.041 1.40022 .00607 .00321 .00286 .00300 .01221 .05073 .09320 .03930
 3.978 3.939 1.40014 .00583 .00302 .00281 .00295 .01147 .04680 .11463 .03285
 GRADIENT -.00007 -.00020 -.00012 -.00008 -.00008 .00046 .00200 -.00311 .00070

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0059) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1529/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.114	-8.140	1.54801	.00648	.00366	.00282	-.00297	.01392	-.05770	-.11734	-.04672
-4.009	-4.086	1.54934	.00738	.00398	.00340	-.00358	.01512	-.06171	-.10328	.00248
-3.936	-.068	1.54988	.00556	.00280	.00276	-.00290	.01063	-.04283	-.10947	.03474
-4.044	4.027	1.54886	.00590	.00291	.00299	-.00313	.01105	-.04380	-.12000	.06198
	GRADIENT	-.00006	-.00018	-.00013	-.00005	.00005	-.00050	.00220	-.00206	.00733

RUN NO. 1530/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-8.019	1.54825	.00692	.00375	.00317	-.00333	.01424	-.05897	-.11816	-.02125
-.003	-3.971	1.54989	.00690	.00354	.00336	-.00353	.01345	-.05585	-.10782	.02318
-.002	.055	1.54902	.00682	.00345	.00337	-.00353	.01312	-.05395	-.11682	.05401
.000	4.100	1.54851	.00598	.00302	.00296	-.00311	.01145	-.04655	-.11101	.06218
	GRADIENT	-.00017	-.00011	-.00007	-.00005	.00005	-.00025	.00115	-.00039	.00483

RUN NO. 1531/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.087	-8.146	1.54827	.00817	.00447	.00370	-.00389	.01699	-.07054	-.10424	-.00927
4.003	-4.059	1.54999	.00757	.00409	.00348	-.00366	.01553	-.06454	-.08834	.02089
3.931	-.022	1.54962	.00626	.00335	.00291	-.00306	.01272	-.05275	-.09070	.03498
4.047	4.017	1.54885	.00621	.00326	.00296	-.00310	.01237	-.05064	-.12042	.02420
	GRADIENT	-.00014	-.00017	-.00010	-.00007	.00007	-.00039	.00172	-.00397	.00041

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (TC0060) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1352/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.005	-7.903	.59916	.01801	.01059	.00742	-.00783	.04023	-.17262	-.24537	-.20413
-4.007	-3.999	.60043	.01553	.00918	.00635	-.00671	.03485	-.15007	-.21957	-.18931
-4.004	.059	.60024	.01312	.00791	.00521	-.00551	.03004	-.12856	-.20999	-.18230
-3.998	4.001	.60035	.01149	.00720	.00429	-.00455	.02735	-.11831	-.18983	-.15611
	GRADIENT	-.00001	-.00051	-.00025	-.00026	.00027	-.00094	.00398	.00371	.00414

RUN NO. 1353/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-7.912	.59934	.01431	.00855	.00576	-.00609	.03246	-.14031	-.23435	-.22028
.000	-4.023	.60044	.01182	.00717	.00465	-.00492	.02724	-.11824	-.21455	-.17786
-.000	.109	.60031	.00980	.00596	.00384	-.00406	.02264	-.09912	-.20403	-.15997
-.001	3.982	.60067	.00829	.00521	.00308	-.00326	.01979	-.08502	-.18726	-.14081
	GRADIENT	.00003	-.00044	-.00025	-.00020	.00021	-.00093	.00416	.00340	.00463

RUN NO. 1354/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.998	-8.090	.59871	.01743	.01019	.00725	-.00765	.03869	-.16933	-.24807	-.16420
3.995	-3.991	.60028	.01481	.00880	.00601	-.00635	.03342	-.14506	-.22315	-.14140
3.989	-.032	.60058	.01219	.00731	.00488	-.00516	.02778	-.11968	-.21215	-.13368
3.997	3.963	.60010	.01010	.00593	.00416	-.00440	.02254	-.09806	-.19752	-.13592
	GRADIENT	-.00002	-.00059	-.00036	-.00023	.00025	-.00137	.00591	.00322	.00069

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (TC0061) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1356/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.009	-8.051	.89923	.01794	.01016	.00778	-.00820	.03860	-.16234	-.22358	-.15791
-4.004	-3.999	.90026	.01396	.00796	.00599	-.00632	.03025	-.12741	-.19634	-.13645
-4.000	.060	.89963	.01144	.00662	.00481	-.00508	.02516	-.10661	-.17874	-.12404
-3.998	3.998	.89965	.00986	.00593	.00393	-.00415	.02253	-.09627	-.15836	-.11686
	GRADIENT	-.00008	-.00051	-.00025	-.00026	.00027	-.00097	.00390	.00475	.00245

RUN NO. 1357/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.061	.89955	.01415	.00823	.00592	-.00625	.03124	-.13366	-.21536	-.15111
.000	-4.042	.89987	.01147	.00668	.00479	-.00505	.02536	-.10895	-.18979	-.11752
-.000	-.048	.90013	.00916	.00524	.00392	-.00414	.01990	-.08723	-.17069	-.09337
-.001	3.960	.89955	.00719	.00408	.00310	-.00327	.01551	-.06948	-.15657	-.10065
	GRADIENT	-.00004	-.00053	-.00032	-.00021	.00022	-.00123	.00493	.00415	.00211

RUN NO. 1358/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.996	-7.971	.89972	.01754	.01016	.00738	-.00778	.03860	-.16375	-.22553	-.10624
3.993	-4.068	.90042	.01395	.00822	.00573	-.00605	.03123	-.13227	-.20137	-.09139
3.979	.029	.90025	.01134	.00665	.00469	-.00495	.02526	-.10784	-.18538	-.09329
3.996	3.997	.89976	.00973	.00571	.00402	-.00424	.02169	-.09254	-.16302	-.09476
	GRADIENT	-.00008	-.00052	-.00031	-.00021	.00022	-.00118	.00493	.00475	.00042

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (TC0062) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1359/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -8.007 MACH 1.09916 CNB .02412 CNBO .01338 CNBF .01073 CLMB -.01130 CPAD -.21110 CPAS -.18248
 -3.998 -4.008 .03967 .02073 .01151 .00921 .00970 .04373 .05084 .26709
 -4.005 .020 1.10022 .01898 .01048 .00850 .00895 .03981 .03825 .24733
 -3.992 4.001 1.09970 .01747 .00953 .00795 .00836 .03619 .03857 .24190
 GRADIENT .00000 -.00041 -.00025 -.00016 .00017 -.00094 .00412 .00109 .00638

RUN NO. 1360/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -8.001 MACH 1.09942 CNB .02066 CNBO .01130 CNBF .00936 CLMB -.00985 CPAD -.18128 CPAS -.18938
 .000 -4.064 1.10109 .01853 .01007 .00846 .00890 .03825 .03675 .24398
 .001 -.055 1.10055 .01789 .00968 .00821 .00863 .03675 .03675 .24300
 .002 3.960 1.09981 .01640 .00878 .00762 .00801 .03335 .03335 .22916
 GRADIENT -.00016 -.00027 -.00016 .00011 .00011 .00061 .00276 .00185 .00319

RUN NO. 1361/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -7.972 MACH 1.09817 CNB .02579 CNBO .01394 CNBF .01184 CLMB -.01245 CPAD -.22007 CPAS -.13957
 4.001 -3.995 1.10089 .02135 .01156 .00979 .01030 .04391 .04391 .24453
 3.990 .023 1.10103 .01969 .01062 .00907 .00953 .04034 .04034 .23842
 4.000 4.010 1.09801 .01833 .00994 .00840 .00883 .03775 .03775 .23805
 GRADIENT -.00036 -.00038 -.00020 .00017 .00018 .00077 .00314 .00081 .00667

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (TC0063) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1362/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00						
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.006	-7.975	1.14948	.01861	.01042	.00819	-.00862	.03958	.16430	-.21468	-.12699
-4.012	-3.964	1.15182	.01600	.00894	.00705	-.00743	.03396	-.14102	-.19904	-.10840
-4.002	.018	1.15057	.01473	.00818	.00655	-.00689	.03108	-.12920	-.19697	-.08063
-3.993	4.001	1.14971	.01355	.00751	.00605	-.00637	.02851	-.11752	-.19591	-.06224
	GRADIENT	-.00027	-.00031	-.00018	-.00013	.00013	-.00068	.00295	.00039	.00579
RUN NO. 1363/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00						
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-8.054	1.14920	.01580	.00866	.00714	-.00751	.03289	.13897	-.21143	-.13580
-.000	-4.036	1.15101	.01413	.00768	.00646	-.00679	.02915	-.12246	-.19966	-.09585
-.001	-.017	1.15009	.01370	.00738	.00632	-.00664	.02805	-.11625	-.20236	-.07541
-.002	3.970	1.14964	.01234	.00663	.00571	-.00600	.02517	-.10426	-.18707	-.08485
	GRADIENT	-.00017	-.00022	-.00013	-.00009	.00010	-.00050	.00227	.00157	.00138
RUN NO. 1364/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/ 5.00						
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.998	-8.081	1.14705	.01949	.01056	.00893	-.00939	.04012	.16627	-.20983	-.08929
3.994	-4.080	1.15099	.01678	.00908	.00770	-.00810	.03450	-.14213	-.19395	-.05617
3.989	.009	1.15071	.01545	.00830	.00715	-.00751	.03153	-.13013	-.18998	-.04503
4.001	4.047	1.15035	.01392	.00752	.00640	-.00673	.02857	-.11747	-.18909	-.05242
	GRADIENT	-.00008	-.00035	-.00019	-.00016	.00017	-.00073	.00303	.00060	.00047

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(TC0064) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1365/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.006	-7.974	1.24923	.01748	.00981	.00767	-.00808	.03724	-.15497	-.20946	-.12321
-4.018	-3.946	1.25056	.01566	.00866	.00700	-.00737	.03289	-.13661	-.19310	-.09378
-4.008	-.003	1.25014	.01418	.00779	.00639	-.00672	.02959	-.12265	-.19422	-.07205
-3.989	4.007	1.24947	.01285	.00699	.00586	-.00616	.02654	-.11031	-.19207	-.04985
	GRADIENT	-.00014	-.00035	-.00021	-.00014	.00015	-.00080	.00331	.00013	.00552

RUN NO. 1366/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-8.059	1.24933	.01482	.00811	.00672	-.00706	.03080	-.13025	-.20600	-.14278
.000	-4.049	1.25038	.01385	.00750	.00635	-.00668	.02848	-.11935	-.19197	-.08909
-.001	-.028	1.25002	.01349	.00725	.00625	-.00657	.02752	-.11412	-.19350	-.06460
-.002	3.973	1.24993	.01267	.00673	.00594	-.00624	.02557	-.10606	-.18677	-.06320
	GRADIENT	-.00006	-.00015	-.00010	-.00005	.00005	-.00036	.00166	.00065	.00323

RUN NO. 1367/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.996	-7.899	1.24905	.01863	.01013	.00850	-.00894	.03846	-.15993	-.19952	-.08428
3.995	-4.057	1.25013	.01697	.00921	.00776	-.00816	.03498	-.14442	-.18760	-.05581
3.995	.012	1.25003	.01527	.00822	.00705	-.00741	.03123	-.12905	-.18853	-.04715
4.000	4.081	1.24976	.01364	.00725	.00639	-.00671	.02754	-.11339	-.18795	-.05140
	GRADIENT	-.00004	-.00041	-.00024	-.00017	.00018	-.00091	.00381	-.00004	.00054

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0065) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 722/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.002	-7.897	.59891	.02611	.01373	.01238	-.01300	.05215	-.22221	-.38735	-.38408
-4.001	-4.012	.59921	.02469	.01293	.01176	-.01235	.04911	-.20889	-.35503	-.37087
-4.008	.105	.59980	.02383	.01251	.01133	-.01189	.04750	-.20252	-.34590	-.35528
-4.002	4.002	.60008	.02289	.01197	.01092	-.01147	.04546	-.19439	-.33625	-.32881
	GRADIENT	.00011	-.00022	-.00012	-.00010	.00011	-.00045	.00181	.00234	.00523

RUN NO. 723/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-7.930	.59989	.02408	.01261	.01147	-.01204	.04789	-.20466	-.36722	-.35912
.000	-3.934	.60097	.02256	.01181	.01076	-.01130	.04484	-.19134	-.33567	-.33017
-.000	.059	.60059	.02205	.01156	.01049	-.01102	.04390	-.18729	-.33243	-.31840
-.001	4.052	.60080	.02082	.01086	.00996	-.01046	.04125	-.17630	-.32482	-.29893
	GRADIENT	-.00002	-.00022	-.00012	-.00010	.00011	-.00045	.00188	.00136	.00391

RUN NO. 724/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.998	-8.042	.59911	.02654	.01381	.01273	-.01336	.05245	-.22408	-.38590	-.31184
3.996	-4.006	.60096	.02464	.01287	.01178	-.01236	.04887	-.20825	-.35029	-.28116
3.994	-.045	.60064	.02383	.01246	.01137	-.01194	.04734	-.20254	-.34673	-.27019
4.000	3.967	.60002	.02319	.01202	.01116	-.01172	.04567	-.19617	-.34119	-.27174
	GRADIENT	-.00012	-.00018	-.00011	-.00008	.00008	-.00040	.00152	.00114	.00118

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0066) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.998	-8.007	.79974	.02692	.01426	.01266	-.01330	.05416	-.22961	-.38714	-.36694
-4.003	-3.963	.80049	.02508	.01330	.01178	-.01237	.05052	-.21374	-.35272	-.36511
-4.004	.041	.80014	.02415	.01281	.01134	-.01191	.04864	-.20581	-.33882	-.35577
-3.998	4.055	.79949	.02371	.01261	.01110	-.01166	.04791	-.20283	-.32513	-.34858
	GRADIENT	-.00012	-.00017	-.00009	-.00008	.00009	-.00033	.00136	.00344	.00206

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.026	.80000	.02554	.01346	.01208	-.01269	.05111	-.21743	-.36967	-.35756
.000	-4.023	.79997	.02399	.01269	.01130	-.01187	.04820	-.20482	-.33781	-.32488
.000	.084	.79977	.02291	.01211	.01080	-.01135	.04601	-.19497	-.32389	-.31207
-.001	4.086	.79902	.02172	.01145	.01027	-.01078	.04351	-.18460	-.31366	-.30620
	GRADIENT	-.00012	-.00028	-.00015	-.00013	.00013	-.00058	.00249	.00298	.00231

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.998	-8.005	.80002	.02728	.01439	.01289	-.01354	.05467	-.23184	-.38647	-.29442
3.997	-4.039	.80037	.02587	.01366	.01221	-.01282	.05189	-.21979	-.35274	-.26873
3.985	-.032	.80004	.02459	.01299	.01160	-.01219	.04933	-.20886	-.33962	-.26683
3.995	3.986	.79985	.02385	.01263	.01122	-.01179	.04796	-.20298	-.31865	-.27330
	GRADIENT	-.00007	-.00025	-.00013	-.00012	.00013	-.00049	.00209	.00425	-.00057

IA613A(AEDC 16TF-829) B/L DT + ASRM, PLUMES OFF (TC0067) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 728/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.997	-8.055	.89927	.02887	.01525	.01362	-.01430	.05794	-.24501	-.38824	-.35008
-4.002	-3.990	.90007	.02670	.01413	.01257	-.01321	.05367	-.22673	-.36053	-.35983
-4.001	.008	.90024	.02558	.01356	.01202	-.01263	.05150	-.21725	-.34056	-.35719
-3.991	3.994	.90003	.02472	.01310	.01161	-.01220	.04978	-.21077	-.32579	-.35364
GRADIENT		-.00000	-.00025	-.00013	-.00012	.00013	-.00049	.00200	.00435	.00078

RUN NO. 729/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.034	.90011	.02763	.01461	.01302	-.01367	.05551	-.23531	-.37558	-.34185
.000	-4.535	.90015	.02534	.01340	.01194	-.01254	.05091	-.21596	-.34067	-.32331
.000	-3.900	.90007	.02514	.01334	.01180	-.01240	.05066	-.21491	-.33759	-.32023
.000	.090	.89954	.02375	.01258	.01117	-.01173	.04780	-.20278	-.32095	-.30794
.002	3.967	.89950	.02263	.01198	.01065	-.01119	.04552	-.19291	-.30772	-.32008
GRADIENT		-.00008	-.00032	-.00017	-.00015	.00016	-.00065	.00277	.00388	.00055

RUN NO. 730/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.997	-7.984	.89977	.02976	.01585	.01392	-.01462	.06019	-.25472	-.38102	-.29936
3.998	-4.048	.89999	.02700	.01429	.01271	-.01335	.05427	-.22933	-.35873	-.27572
3.980	.049	.90009	.02548	.01352	.01196	-.01257	.05136	-.21740	-.33849	-.27853
3.997	4.005	.89971	.02475	.01320	.01155	-.01214	.05012	-.21217	-.32007	-.28862
GRADIENT		-.00003	-.00028	-.00014	-.00014	.00015	-.00052	.00214	.00480	-.00160

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0068) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .950 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 732/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.996	-8.059	.94921	.03028	.01601	.01427	-.01499	.05082	-.25699	-.38436	-.36081
-4.009	-3.996	.95018	.02856	.01524	.01331	-.01399	.05789	-.24455	-.36052	-.37124
-4.003	-.002	.94988	.02736	.01462	.01274	-.01339	.05553	-.23483	-.34928	-.38542
-3.988	3.985	.94980	.02671	.01423	.01248	-.01311	.05406	-.22885	-.33828	-.38675
GRADIENT	GRADIENT	-.00005	-.00023	-.00013	-.00010	.00011	-.00048	.00197	.00279	-.00194

RUN NO. 733/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.036	.95019	.02872	.01525	.01347	-.01415	.05793	-.24577	-.37210	-.35596
.000	-4.026	.95022	.02654	.01413	.01242	-.01305	.05366	-.22747	-.35022	-.34504
-.001	-.022	.95004	.02571	.01370	.01201	-.01262	.05203	-.22040	-.33581	-.33254
-.001	4.074	.94810	.02488	.01329	.01158	-.01217	.05050	-.21402	-.31942	-.34126
GRADIENT	GRADIENT	-.00026	-.00021	-.00010	-.00010	.00011	-.00039	.00164	.00380	-.00058

RUN NO. 734/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.996	-7.942	.94960	.03143	.01682	.01461	-.01535	.06390	-.27075	-.38056	-.30964
3.998	-4.041	.95012	.02976	.01592	.01383	-.01454	.06047	-.25509	-.36027	-.28847
3.996	-.001	.95054	.02819	.01511	.01308	-.01375	.05741	-.24224	-.34787	-.28246
3.999	3.998	.94905	.02651	.01418	.01233	-.01296	.05387	-.22775	-.33305	-.29788
GRADIENT	GRADIENT	-.00013	-.00040	-.00022	-.00019	.00020	-.00082	.00340	.00338	-.00117

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0069) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 735/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.997	-7.964	1.04957	.03432	.01824	.01608	-.01689	.06929	-.29149	-.41215	-.46114
-4.007	-3.961	1.05060	.03325	.01800	.01525	-.01603	.06838	-.28841	-.38345	-.46744
-4.002	-.006	1.05018	.03200	.01737	.01463	-.01538	.06598	-.27882	-.37298	-.46334
-3.999	4.084	1.05011	.03076	.01678	.01398	-.01471	.06374	-.26904	-.36440	-.46594
	GRADIENT	-.00006	-.00031	-.00015	-.00016	.00016	-.00058	.00241	.00237	.00018

RUN NO. 736/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.037	1.05112	.03301	.01766	.01535	-.01613	.06709	-.28391	-.40409	-.46135
-.000	-4.035	1.05064	.03130	.01684	.01446	-.01520	.06398	-.27110	-.37930	-.43612
-.001	-.023	1.04965	.03028	.01635	.01394	-.01465	.06209	-.26317	-.37004	-.41873
-.002	3.980	1.04968	.03011	.01625	.01385	-.01456	.06173	-.26194	-.36222	-.43068
	GRADIENT	-.00012	-.00015	-.00007	-.00008	.00008	-.00028	.00114	.00213	.00068

RUN NO. 737/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.999	-8.068	1.04979	.03522	.01911	.01611	-.01694	.07260	-.30720	-.40453	-.38288
3.997	-4.012	1.05097	.03446	.01864	.01582	-.01663	.07080	-.29837	-.39261	-.36988
3.994	.019	1.05033	.03281	.01776	.01505	-.01582	.06744	-.28373	-.37699	-.36099
3.995	3.989	1.04978	.03010	.01620	.01390	-.01461	.06154	-.25882	-.36892	-.37144
	GRADIENT	-.00015	-.00054	-.00030	-.00024	.00025	-.00116	.00494	.00296	-.00019

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0070) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 738/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 -3.997 -8.095 1.09720 .04051 .02183 .01868 -.01964 .08293 -.34887 -.45713 -.55154
 -4.011 -3.961 1.10108 .03846 .02080 .01766 -.01856 .07901 -.33179 -.42180 -.53140
 -4.001 -.000 1.10037 .03677 .01995 .01682 -.01769 .07576 -.31858 -.40784 -.52064
 -3.997 4.095 1.09979 .03494 .01908 .01587 -.01669 .07246 -.30442 -.38988 -.51191
 GRADIENT -.00016 -.00044 -.00021 -.00022 -.00023 -.00081 -.00340 .00396 .00242

RUN NO. 739/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 .001 -8.044 1.10170 .03808 .02054 .01753 -.01843 .07802 -.32842 -.43771 -.51866
 .000 -4.739 1.10104 .03653 .01977 .01677 -.01763 .07507 -.31608 -.41426 -.49325
 .000 -4.041 1.10007 .03631 .01967 .01664 -.01750 .07470 -.31460 -.41074 -.48814
 -.001 -.026 1.10028 .03541 .01926 .01614 -.01698 .07317 -.30822 -.39820 -.47542
 -.002 3.968 1.09914 .03510 .01918 .01591 -.01674 .07286 -.30632 -.38846 -.48096
 GRADIENT -.00016 -.00017 -.00007 -.00010 -.00010 -.00026 -.00114 .00293 .00144

RUN NO. 740/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 3.996 -8.069 1.10038 .04064 .02208 .01856 -.01952 .08385 -.35346 -.45090 -.44784
 3.997 -4.075 1.10049 .03883 .02088 .01795 -.01886 .07931 -.33355 -.42890 -.44187
 3.996 .013 1.10051 .03696 .01988 .01708 -.01795 .07550 -.31719 -.40714 -.42025
 4.003 4.061 1.09966 .03452 .01854 .01598 -.01679 .07043 -.29582 -.39577 -.43223
 GRADIENT -.00010 -.00053 -.00029 -.00024 -.00025 -.00109 -.00464 .00407 .00119

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0071) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.150 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 741/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.996	-7.961	1.14755	.03439	.01590	-.01671	.07024	-.29568	-.39967	-.48822
-4.014	-3.954	1.15084	.03282	.01508	-.01585	.06740	-.28332	-.37382	-.46835
-4.002	-.009	1.14981	.03217	.01474	-.01550	.06622	-.27831	-.36359	-.46084
-3.989	4.006	1.14979	.03156	.01440	-.01514	.06517	-.27348	-.35255	-.45219
	GRADIENT	-.00013	-.00016	-.00007	-.00009	-.00028	.00124	.00267	.00203

RUN NO. 742/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-8.060	1.15041	.03229	.01490	-.01567	.06603	-.27813	-.38601	-.46244
-.000	-4.055	1.15170	.03082	.01417	-.01490	.06323	-.26630	-.36324	-.43137
-.001	-.038	1.15042	.03054	.01394	-.01466	.06306	-.26570	-.35598	-.42204
-.002	4.079	1.14856	.03093	.01399	-.01472	.06434	-.27034	-.34676	-.42997
	GRADIENT	-.00039	.00001	-.00002	.00002	.00014	-.00050	.00203	.00016

RUN NO. 743/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.995	-8.045	1.14790	.03639	.01669	-.01755	.07481	-.31522	-.40670	-.40068
4.004	-4.022	1.15203	.03349	.01546	-.01626	.06847	-.28806	-.37784	-.37848
3.995	.013	1.15113	.03243	.01498	-.01575	.06626	-.27853	-.36372	-.36746
4.004	4.093	1.14956	.03066	.01421	-.01493	.06248	-.26245	-.35824	-.38415
	GRADIENT	-.00031	-.00035	-.00015	.00016	-.00074	.00316	.00241	-.00071

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0072) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 745/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00
 MACH 1.24881 CNB .03022 CNBO .01611 CNBF .01411 CLMB -.01483 CPAD -.25784 CPAS -.45599
 ALPHA -7.964 .02950 .01583 .01367 .01437 .06012 .25277 .34977 .43977
 -4.015 .02871 .01544 .01327 .01395 .05866 .24655 .33298 .43155
 -4.003 .02799 .01509 .01291 .01357 .05731 .24067 .32270 .41941
 -3.986 .00013 .00019 .00009 .00010 .00035 .00152 .00341 .00257
 GRADIENT .000019 .00009 .00009 .00010 .00035 .00152 .00341 .00257

RUN NO. 746/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00
 MACH 1.25028 CNB .02846 CNBO .01521 CNBF .01325 CLMB -.01392 CPAD -.24353 CPAS -.42524
 ALPHA -8.060 .02741 .01470 .01271 .01336 .05778 .23506 .33306 .40400
 -4.039 .02723 .01470 .01254 .01318 .05583 .23527 .32575 .39157
 -4.001 .02762 .01503 .01258 .01323 .05711 .24000 .31297 .40170
 .001 .00003 .00004 .00002 .00002 .00016 .00062 .00251 .00029
 GRADIENT .00003 .00004 .00002 .00002 .00016 .00062 .00251 .00029

RUN NO. 747/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 MACH 1.24960 CNB .03265 CNBO .01753 CNBF .01512 CLMB -.01590 CPAD -.28101 CPAS -.37163
 ALPHA -8.069 .03060 .01637 .01423 .01496 .06658 .26238 .35451 .36092
 -4.032 .02892 .01549 .01342 .01411 .05885 .24789 .33306 .35157
 .007 .02806 .01500 .01306 .01373 .05699 .24027 .32989 .36346
 4.096 .00007 .00031 .00017 .00014 .00064 .00272 .00302 .00032
 GRADIENT .00007 .00031 .00017 .00014 .00064 .00272 .00302 .00032

IA613A(AEDC 16TF-829) B/L OT + ASSRM, PLUMES OFF (TC0073) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 180.000
IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1427/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.000	-7.967	1.24944	.03024	.01608	.01416	-.01488	.06108	-.25745	-.37112	-.45265
-4.015	-3.945	1.25010	.02930	.01568	.01362	-.01431	.05958	-.25052	-.35003	-.43638
-3.998	-.005	1.25041	.02848	.01532	.01315	-.01383	.05821	-.24459	-.33262	-.42813
-3.988	3.995	1.24988	.02779	.01500	.01280	-.01345	.05697	-.23930	-.32423	-.41902
	GRADIENT	-.00003	-.00019	-.00009	-.00010	.00011	-.00033	.00141	.00325	.00219

RUN NO. 1428/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.038	1.25007	.02838	.01516	.01321	-.01389	.05760	-.24278	-.35329	-.42237
.001	-5.156	1.25035	.02755	.01476	.01279	-.01344	.05605	-.23603	-.33639	-.40990
.000	-4.030	1.25005	.02717	.01459	.01258	-.01322	.05542	-.23335	-.33145	-.40224
-.001	-.018	1.24963	.02701	.01462	.01239	-.01303	.05552	-.23409	-.32569	-.38911
-.002	3.974	1.24971	.02760	.01503	.01258	-.01323	.05708	-.23986	-.31448	-.39926
	GRADIENT	-.00004	.00005	.00005	-.00000	-.00000	.00021	-.00081	.00212	.00038

RUN NO. 1429/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.995	-8.087	1.24929	.03243	.01740	.01503	-.01579	.06610	-.27899	-.37574	-.37164
3.999	-4.108	1.25015	.03028	.01620	.01408	-.01480	.06154	-.25962	-.35409	-.35960
3.995	.016	1.25009	.02852	.01528	.01324	-.01392	.05803	-.24433	-.33150	-.35257
4.004	4.083	1.24914	.02797	.01499	.01299	-.01365	.05693	-.24005	-.33145	-.36303
	GRADIENT	-.00012	-.00028	-.00015	-.00013	.00014	-.00056	.00239	.00277	-.00041

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0074) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

MACH = 1.300 IEABDX = 180.000
IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.999	-7.958	1.29979	.02928	.01562	.01366	-.01435	.05933	-.25034	-.36484	-.43677
-4.020	-3.942	1.30005	.02827	.01513	.01314	-.01380	.05747	-.24198	-.34251	-.42010
-3.997	-.013	1.29996	.02759	.01484	.01275	-.01340	.05638	-.23690	-.32557	-.41031
-3.983	3.996	1.29974	.02728	.01471	.01256	-.01321	.05589	-.23484	-.31529	-.40236
	GRADIENT	-.00004	-.00012	-.00005	-.00007	.00008	-.00020	.00090	.00343	.00223

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.063	1.29976	.02774	.01484	.01290	-.01356	.05636	-.23760	-.34576	-.41487
.000	-4.039	1.30001	.02683	.01444	.01240	-.01303	.05484	-.23093	-.32484	-.39638
-.000	-.022	1.30009	.02671	.01440	.01231	-.01294	.05469	-.23068	-.31847	-.38212
-.002	3.970	1.30016	.02714	.01475	.01239	-.01303	.05603	-.23551	-.30656	-.39293
	GRADIENT	.00002	.00004	.00004	-.00000	-.00000	.00015	-.00057	.00228	.00043

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.995	-8.078	1.29955	.03164	.01695	.01469	-.01544	.06437	-.27177	-.36877	-.36087
4.003	-4.020	1.30027	.03026	.01626	.01400	-.01472	.06176	-.26063	-.34629	-.35033
3.996	.021	1.30025	.02780	.01492	.01287	-.01353	.05667	-.23908	-.32462	-.34142
4.005	4.094	1.29976	.02733	.01465	.01268	-.01332	.05565	-.23500	-.32535	-.35329
	GRADIENT	-.00006	-.00036	-.00020	-.00016	.00017	-.00075	.00316	.00258	-.00037

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0075) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IFABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1435/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.001	-8.019	1.34953	.02891	.01537	.01354	-.01422	.05840	-.24659	-.35872	-.42741
-4.002	-4.024	1.35011	.02780	.01484	.01296	-.01362	.05636	-.23771	-.33564	-.41169
-3.999	-.006	1.34992	.02722	.01462	.01259	-.01324	.05555	-.23340	-.31658	-.40935
-3.983	3.992	1.34965	.02687	.01448	.01239	-.01303	.05500	-.23110	-.30591	-.40115
	GRADIENT	-.00006	-.00012	-.00004	-.00007	.00007	-.00017	.00083	.00371	.00131

RUN NO. 1436/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.103	1.34944	.02722	.01456	.01266	-.01331	.05529	-.23303	-.34028	-.40425
.000	-4.048	1.35053	.02623	.01412	.01211	-.01273	.05364	-.22569	-.31448	-.38547
-.000	-.034	1.34984	.02594	.01398	.01196	-.01257	.05309	-.22374	-.30746	-.37049
-.002	3.963	1.34948	.02701	.01460	.01241	-.01304	.05546	-.23301	-.29911	-.38452
	GRADIENT	-.00013	.00010	.00006	.00004	-.00004	.00023	-.00091	.00192	.00012

RUN NO. 1437/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.997	-8.084	1.34933	.03111	.01667	.01444	-.01517	.06333	-.26746	-.35970	-.35987
4.001	-4.001	1.34995	.02968	.01595	.01373	-.01443	.06058	-.25555	-.33577	-.34822
4.000	-.001	1.34996	.02885	.01553	.01332	-.01400	.05899	-.24926	-.32305	-.33463
4.000	4.042	1.34974	.02727	.01463	.01264	-.01329	.05556	-.23506	-.31831	-.35004
	GRADIENT	-.00003	-.00030	-.00016	-.00014	.00014	-.00062	.00255	.00217	-.00023

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0076) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1438/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAT CPAS
 -4.002 -7.957 1.40011 .02892 .01537 .01355 -.01423 .05840 -.24763 -.35297 -.41327
 -4.017 -3.943 1.40013 .02756 .01469 .01286 -.01351 .05581 -.23579 -.33246 -.39536
 -4.007 .002 1.40019 .02676 .01434 .01242 -.01305 .05447 -.22881 -.31124 -.39860
 -3.982 3.991 1.40011 .02656 .01429 .01228 -.01290 .05427 -.22830 -.30033 -.39331
 GRADIENT -.00000 -.00012 -.00005 -.00007 -.00008 -.00019 -.00094 .00405 .00026

RUN NO. 1439/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAT CPAS
 .001 -8.091 1.39962 .02685 .01435 .01250 -.01313 .05451 -.22955 -.33848 -.39120
 .000 -4.865 1.40001 .02630 .01411 .01218 -.01281 .05361 -.22600 -.31977 -.37605
 .000 -4.026 1.40031 .02587 .01391 .01197 -.01258 .05282 -.22252 -.31186 -.36701
 .001 -.033 1.39975 .02626 .01415 .01211 -.01273 .05375 -.22670 -.30317 -.35672
 .002 3.965 1.39990 .02668 .01439 .01229 -.01292 .05465 -.22965 -.29226 -.37395
 GRADIENT -.00003 .00006 .00004 .00002 .00002 .00016 .00060 .00285 .00018

RUN NO. 1440/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAT CPAS
 3.999 -8.082 1.40004 .03079 .01647 .01433 -.01505 .06255 -.26428 -.35278 -.35070
 4.009 -4.050 1.40031 .02887 .01546 .01341 -.01409 .05872 -.24818 -.32963 -.34145
 3.998 .020 1.40049 .02851 .01535 .01317 -.01384 .05829 -.24656 -.31958 -.32565
 4.000 4.045 1.40013 .02780 .01494 .01286 -.01352 .05675 -.24065 -.31329 -.33670
 GRADIENT -.00002 -.00013 -.00006 -.00007 -.00007 -.00024 .00093 .00202 .00059

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0077) (13 APR 92)

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.940	-7.936	1.54891	.02779	.01485	.01293	-.01359	.05642	-.23968	-.32398	-.38658
-3.917	-3.971	1.54955	.02703	.01446	.01258	-.01322	.05491	-.23311	-.30931	-.36127
-3.901	-.025	1.54931	.02570	.01378	.01192	-.01253	.05233	-.22074	-.29216	-.38659
-3.919	3.934	1.54959	.02462	.01321	.01140	-.01199	.05018	-.21155	-.27117	-.37750
	GRADIENT	.00000	-.00031	-.00016	-.00015	-.00016	-.00060	.00273	.00482	-.00205

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-7.943	1.54887	.02579	.01377	.01202	-.01264	.05230	-.21978	-.31656	-.35934
-.001	-3.940	1.54991	.02516	.01355	.01161	-.01221	.05145	-.21680	-.29764	-.33938
-.000	.068	1.54908	.02528	.01363	.01164	-.01224	.05179	-.21822	-.28377	-.33584
-.001	4.054	1.54885	.02504	.01349	.01155	-.01214	.05124	-.21570	-.27107	-.35309
	GRADIENT	-.00013	-.00001	-.00001	-.00001	-.00001	-.00003	.00014	.00332	-.00171

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.042	-8.147	1.54870	.02717	.01454	.01263	-.01327	.05524	-.23322	-.32646	-.32316
4.071	-4.160	1.55000	.02724	.01458	.01266	-.01330	.05540	-.23453	-.31328	-.31656
4.098	.019	1.54937	.02881	.01552	.01329	-.01397	.05896	-.24999	-.30341	-.30810
4.069	4.115	1.54922	.02729	.01473	.01255	-.01320	.05596	-.23766	-.29158	-.32064
	GRADIENT	-.00009	.00001	.00002	-.00001	.00001	.00007	-.00039	.00262	-.00048

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0078) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.0000 DB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1559/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.040	-8.050	1.39943	.02909	.01546	.01363	-.01432	.05874	-.24912	-.35501	-.41295
-4.063	-3.921	1.39987	.02746	.01465	.01281	-.01346	.05563	-.23483	-.33351	-.39129
-4.071	-.014	1.40069	.02643	.01420	.01223	-.01285	.05393	-.22640	-.31055	-.39683
-4.053	3.987	1.39965	.02638	.01421	.01217	-.01279	.05397	-.22697	-.30391	-.38871
GRADIENT		-.00003	-.00014	-.00006	-.00008	.00008	-.00021	.00099	.00373	.00033

RUN NO. 1560/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-8.018	1.39952	.02681	.01434	.01247	-.01310	.05448	-.22948	-.33922	-.38806
-.003	-4.879	1.39979	.02604	.01400	.01204	-.01266	.05316	-.22410	-.31934	-.37365
-.004	-4.010	1.40021	.02568	.01383	.01186	-.01246	.05251	-.22127	-.31217	-.36605
-.005	-.034	1.39961	.02584	.01394	.01190	-.01251	.05296	-.22330	-.30247	-.35875
-.006	4.002	1.39889	.02658	.01439	.01219	-.01282	.05466	-.22974	-.29582	-.37160
GRADIENT		-.00012	.00007	.00005	.00002	-.00002	.00019	-.00073	.00247	.00015

RUN NO. 1561/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.000	-8.046	1.39997	.03019	.01617	.01401	-.01473	.06143	-.25950	-.35016	-.35167
3.987	-4.024	1.39988	.02828	.01520	.01308	-.01375	.05773	-.24373	-.32793	-.34222
3.977	.010	1.40044	.02724	.01462	.01262	-.01327	.05554	-.23481	-.31793	-.32921
3.988	4.047	1.39973	.02728	.01471	.01257	-.01321	.05589	-.23671	-.31533	-.33458
GRADIENT		-.00002	-.00012	-.00006	-.00006	.00007	-.00023	.00087	.00156	.00095

IA613A(AEDC 16TF-829) B/L QT + ASRM, PLUMES OFF (TC0079) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1563/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.982	-7.934	1.54903	.02770	.01481	.01290	-.01355	.05624	-.23904	-.32342	-.38534
-3.977	-3.871	1.54918	.02703	.01445	.01258	-.01322	.05488	-.23299	-.31072	-.35387
-3.966	-.015	1.54897	.02502	.01337	.01164	-.01224	.05080	-.21415	-.29063	-.37789
-3.980	3.943	1.54971	.02412	.01292	.01120	-.01177	.04906	-.20685	-.27115	-.37157
	GRADIENT	.00007	-.00037	-.00020	-.00018	.00019	-.00074	.00334	.00506	-.00225
RUN NO. 1564/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-7.988	1.54922	.02546	.01358	.01188	-.01248	.05158	-.21674	-.31455	-.35668
-.004	-3.934	1.55008	.02475	.01331	.01144	-.01202	.05055	-.21301	-.29613	-.33559
-.005	.070	1.54907	.02484	.01340	.01144	-.01203	.05088	-.21447	-.28272	-.33249
-.005	4.070	1.54731	.02472	.01331	.01141	-.01200	.05057	-.21274	-.27217	-.34608
	GRADIENT	-.00035	-.00000	.00000	-.00000	.00000	.00000	.00003	.00299	-.00131
RUN NO. 1565/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.046	-8.125	1.54866	.02713	.01451	.01262	-.01326	.05513	-.23254	-.32164	-.32552
4.061	-4.089	1.54841	.02660	.01423	.01236	-.01299	.05406	-.22872	-.31111	-.31487
4.083	.021	1.54993	.02795	.01504	.01290	-.01356	.05714	-.24223	-.30259	-.30499
4.061	4.094	1.54893	.02676	.01444	.01232	-.01296	.05483	-.23294	-.29146	-.31519
	GRADIENT	.00006	.00002	.00003	-.00000	.00000	.00010	-.00052	.00240	-.00004

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC0080) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 756/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 -3.999 -8.037 .60009 .01733 .01015 -.00718 -.03854 -.16654 -.23419 -.20533
 -3.999 -4.000 .59999 .01521 .00897 .00623 .03408 -.14620 -.21032 -.19057
 -4.005 .051 .60102 .01276 .00763 .00512 .02900 -.12465 -.19989 -.16883
 -4.004 3.901 .60012 .01156 .00725 .00431 .02754 -.11892 -.18313 -.14988
 GRADIENT .00002 -.00046 -.00022 -.00024 -.00025 -.00083 .00347 .00343 .00515

RUN NO. 757/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 .001 -7.941 .59991 .01401 .00843 .00559 .03201 -.13862 -.22769 -.21628
 .000 -3.929 .60042 .01187 .00709 .00478 .02692 -.11745 -.20474 -.17631
 .000 .073 .60083 .00980 .00598 .00381 .02272 .09948 .19398 .15537
 .001 4.051 .60032 .00828 .00526 .00302 .01997 -.08598 -.18261 -.13368
 GRADIENT -.00001 -.00045 -.00023 -.00022 -.00023 .00087 .00394 .00277 .00534

RUN NO. 758/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAO CPAT CPAS
 3.999 -8.048 .59955 .01701 .00984 .00716 .03738 -.16391 -.23651 -.17238
 3.999 -4.007 .60103 .01434 .00852 .00581 .03237 -.14050 -.21164 -.14401
 3.994 -.043 .60042 .01256 .00753 .00503 .02861 -.12347 -.20787 -.13502
 3.996 .003 .60007 .00976 .00583 .00393 .02113 -.09630 -.19105 -.12773
 GRADIENT -.00012 -.00057 -.00034 -.00023 .00025 .00128 .00552 .00258 .00203

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (TC0081) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 760/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.997	-8.037	.79964	.01759	.01006	.00753	-.00794	.03822	-.16267	-.21929	-.18235
-4.005	-3.957	.80025	.01416	.00825	.00591	-.00623	.03135	-.13260	-.19705	-.16350
-4.004	.060	.79994	.01226	.00724	.00502	-.00530	.02749	-.11647	-.18259	-.14473
-3.994	3.999	.79982	.01038	.00638	.00400	-.00424	.02422	-.10413	-.16370	-.13282
	GRADIENT	-.00005	-.00048	-.00024	-.00024	.00025	-.00090	.00358	.00419	.00386
RUN NO. 761/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-7.904	.79994	.01421	.00842	.00579	-.00611	.03199	-.13761	-.21577	-.18398
.000	-3.927	.80054	.01140	.00675	.00465	-.00491	.02565	-.11129	-.19342	-.14638
-.001	.089	.79984	.00951	.00566	.00385	-.00406	.02151	-.09379	-.17722	-.12435
-.001	4.097	.79929	.00761	.00465	.00296	-.00313	.01765	-.07614	-.16222	-.11553
	GRADIENT	-.00016	-.00047	-.00026	-.00021	.00022	-.00100	.00438	.00389	.00385
RUN NO. 762/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.996	-8.019	.79967	.01708	.01002	.00707	-.00746	.03804	-.16390	-.22019	-.13265
3.996	-4.036	.80079	.01412	.00840	.00572	-.00605	.03190	-.13638	-.19881	-.11615
3.985	-.046	.80040	.01202	.00715	.00486	-.00514	.02717	-.11417	-.18842	-.10997
4.006	3.924	.79982	.00976	.00584	.00392	-.00414	.02217	-.09516	-.17031	-.10714
	GRADIENT	-.00012	-.00055	-.00032	-.00023	.00024	-.00122	.00518	.00358	.00113

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (TC0082) (13 APR 92)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = 180.000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 765/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAS
-3.993 -8.076 .89956 -.01747 .00991 .00755 -.00796 .03764 -.15845 -.21560
-4.006 -3.987 .90035 .01367 .00784 .00583 -.00614 .02978 -.12556 -.18924
-4.005 .105 .90008 .01141 .00662 .00479 -.00505 .02514 -.10714 -.17139
-3.992 4.003 .89989 .00947 .00573 .00375 -.00396 .02176 -.09284 -.15324
GRADIENT -.00006 -.00053 -.00026 -.00027 -.00101 .00410 .00450 .00345

RUN NO. 766/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAS
.001 -7.910 .90074 .01413 .00815 .00598 -.00631 .03095 -.13250 -.20764
.000 -4.528 .90005 .01160 .00675 .00484 -.00511 .02565 -.11057 -.18298
-.002 -3.906 .89981 .01138 .00664 .00474 -.00500 .02522 -.10859 -.18023
-.000 -.016 .89992 .00937 .00538 .00399 -.00420 .02045 -.08933 -.16641
-.001 3.966 .89963 .00710 .00409 .00301 -.00318 .01555 -.06938 -.15139
GRADIENT -.00003 -.00053 -.00032 -.00023 -.00120 .00490 .00369 .00368

RUN NO. 767/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAS
3.998 -7.986 .89964 .01756 .01016 .00740 -.00780 .03861 -.16397 -.21424
3.996 -4.036 .90052 .01361 .00804 .00557 -.00588 .03054 -.12957 -.19273
3.980 .031 .90033 .01113 .00661 .00452 -.00478 .02509 -.10706 -.18178
4.002 3.992 .89969 .00949 .00558 .00391 -.00413 .02118 -.09038 -.16145
GRADIENT -.00010 -.00051 -.00031 -.00022 -.00117 .00489 .00389 .00003

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(TC0083) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 768/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.998	-8.070	.94836	.01663	.00940	.00723	-.00762	.03569	-.14898	-.20616	-.15099
-4.004	-3.923	.95022	.01261	.00714	.00547	-.00576	.02712	-.11308	-.18245	-.12562
-4.003	-.008	.95023	.01037	.00580	.00457	-.00481	.02203	-.09334	-.16860	-.11391
-3.987	3.988	.94976	.00821	.00467	.00355	-.00374	.01772	-.07559	-.15283	-.10564
	GRADIENT	-.00006	-.00056	-.00031	-.00024	.00026	-.00119	.00474	.00374	.00252

RUN NO. 769/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.035	.95002	.01475	.00837	.00638	-.00672	.03181	-.13695	-.19295	-.14432
.000	-4.021	.95077	.01047	.00606	.00441	-.00466	.02301	-.09874	-.17307	-.12098
-.001	.094	.95116	.00831	.00464	.00368	-.00387	.01761	-.07565	-.16022	-.08966
-.001	3.974	.94958	.00581	.00317	.00264	-.00278	.01203	-.05398	-.13941	-.09087
	GRADIENT	-.00015	-.00058	-.00036	-.00022	.00023	-.00137	.00560	.00420	.00380

RUN NO. 770/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.994	-7.988	.94913	.01659	.00955	.00704	-.00743	.03627	-.15290	-.20541	-.10200
3.997	-4.053	.94977	.01350	.00783	.00567	-.00598	.02974	-.12417	-.18082	-.08549
3.983	.074	.95287	.01115	.00643	.00472	-.00498	.02443	-.10181	-.16423	-.07915
4.000	3.990	.94807	.00854	.00470	.00384	-.00404	.01786	-.07657	-.15489	-.08171
	GRADIENT	-.00020	-.00062	-.00039	-.00023	.00024	-.00148	.00591	.00323	.00048

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (TC0084) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 778/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAT CPAS
 -3.997 -8.010 1.04814 .01905 .01069 .00837 -.00881 .04059 -.16861 -.21084 -.13148
 -3.998 -4.014 1.05130 .01705 .00963 .00742 -.00782 .03656 -.15179 -.19905 -.12513
 -4.006 -.013 1.04991 .01479 .00835 .00643 -.00678 .03173 -.13124 -.18785 -.09520
 -3.985 3.991 1.04964 .01269 .00721 .00548 -.00578 .02737 -.11114 -.17690 -.07588
 GRADIENT -.00021 -.00054 -.00030 -.00024 -.00025 -.00115 .00508 .00277 .00615

RUN NO. 779/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAT CPAS
 -.003 -7.923 1.04833 .01628 .00901 .00727 -.00766 .03422 -.14469 -.20994 -.14363
 -.001 -4.029 1.05158 .01563 .00855 .00708 -.00745 .03246 -.13592 -.21022 -.12061
 -.002 -.017 1.05105 .01464 .00806 .00658 -.00693 .03062 -.12677 -.20065 -.09054
 -.002 4.082 1.04940 .01102 .00599 .00504 -.00530 .02274 -.09414 -.17199 -.08225
 GRADIENT -.00027 -.00057 -.00032 -.00025 -.00120 .00516 .00472 .00472 .00472

RUN NO. 780/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAT CPAS
 3.995 -8.059 1.04705 .01892 .01048 .00844 -.00888 .03980 -.16497 -.21076 -.10086
 3.997 -4.068 1.05352 .01851 .01013 .00838 -.00882 .03847 .15876 -.19962 -.08526
 3.993 .006 1.05074 .01601 .00881 .00720 -.00757 .03346 .13804 -.18172 -.06787
 4.004 4.058 1.04948 .01282 .00714 .00568 -.00598 .02713 .11138 .18079 -.05866
 GRADIENT -.00050 -.00070 -.00037 -.00033 -.00139 .00583 .00232 .00232 .00327

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (TC0085) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = 180.000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO.	782/ O	RN/L = 2.50	GRADIENT INTERVAL = -5.00/	5.00				
BETA	ALPHA	MACH	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.996	-8.082	1.09723	.01092	-.01149	.05083	-.21141	-.26291	-.18885
-4.009	-3.955	1.10231	.00910	-.00958	.04242	-.17667	-.23285	-.15482
-4.005	-.017	1.10044	.00847	-.00891	.03931	-.16362	-.23078	-.12682
-3.983	3.992	1.09952	.00801	-.00842	.03591	-.14800	-.23507	-.10284
	GRADIENT	-.00035	-.00014	.00015	-.00082	.00361	-.00028	.00654

RUN NO.	783/ O	RN/L = 2.50	GRADIENT INTERVAL = -5.00/	5.00				
BETA	ALPHA	MACH	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.060	1.10056	.00910	-.00957	.04157	-.17594	-.24644	-.19846
-.000	-4.760	1.10186	.00843	-.00887	.03798	-.15966	-.23782	-.15896
-.002	-4.038	1.10043	.00845	-.00888	.03784	-.15893	-.23769	-.15197
-.001	-.027	1.09973	.00832	-.00875	.03684	-.15311	-.23625	-.12404
-.002	3.972	1.09978	.00789	-.00828	.03393	-.14094	-.22594	-.11172
	GRADIENT	-.00019	-.00006	.00007	-.00045	.00210	-.00129	.00546

RUN NO.	784/ O	RN/L = 2.50	GRADIENT INTERVAL = -5.00/	5.00				
BETA	ALPHA	MACH	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.998	-8.034	1.09892	.01168	-.01228	.05219	-.21690	-.25192	-.14844
4.002	-4.011	1.10103	.00989	-.01039	.04382	-.18113	-.23328	-.11096
3.995	.014	1.10082	.00914	-.00961	.04022	-.16631	-.22674	-.09819
4.002	4.063	1.09992	.00824	-.00866	.03644	-.15095	-.23486	-.10094
	GRADIENT	-.00014	-.00020	.00021	-.00091	.00374	-.00020	.00124

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2 (TC0086) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.002	-8.078	1.14742	.01820	.01008	.00813	-.00855	.03828	-.15881	-.20789	-.13056
-4.020	-3.947	1.15129	.01578	.00875	.00703	-.00740	.03324	-.13818	-.18621	-.10360
-4.002	-.008	1.15002	.01444	.00797	.00647	-.00681	.03026	-.12580	-.18623	-.07089
-4.001	4.087	1.14945	.01320	.00722	.00599	-.00630	.02742	-.11278	-.19084	-.05523
GRADIENT		-.00023	-.00032	-.00019	-.00013	.00014	-.00072	.00316	-.00058	.00601

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.030	1.14853	.01541	.00845	.00695	-.00731	.03211	-.13558	-.20120	-.14474
-.000	-4.053	1.15224	.01370	.00739	.00631	-.00663	.02807	-.11776	-.19324	-.10234
-.001	-.033	1.15125	.01327	.00710	.00617	-.00649	.02696	-.11184	-.19310	-.07549
-.002	4.092	1.14909	.01234	.00653	.00581	-.00610	.02481	-.10270	-.18277	-.07677
GRADIENT		-.00039	-.00017	-.00011	-.00006	.00006	-.00040	.00185	-.00129	.00312

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.998	-8.090	1.14649	.01910	.01031	.00880	-.00925	.03915	-.16222	-.19951	-.09221
3.999	-4.007	1.15127	.01659	.00893	.00765	-.00805	.03393	-.14020	-.18239	-.05770
3.994	.007	1.15166	.01533	.00819	.00714	-.00751	.03109	-.12845	-.17839	-.04755
4.004	4.077	1.14969	.01335	.00715	.00620	-.00652	.02717	-.11181	-.18863	-.05823
GRADIENT		-.00020	-.00040	-.00022	-.00018	.00019	-.00084	.00351	-.00078	-.00007

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (TC0087) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 788/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.000	-7.964	1.24888	.01740	.00966	.00775	-.00815	.03669	-.15245	-.20057	-.12202
-4.012	-3.952	1.25044	.01527	.00839	.00689	-.00724	.03186	-.13234	-.18232	-.09050
-4.008	-.009	1.25024	.01395	.00762	.00633	-.00666	.02895	-.12003	-.18435	-.06072
-3.989	4.001	1.24980	.01254	.00679	.00575	-.00605	.02577	-.10693	-.18780	-.04402
	GRADIENT	-.00008	-.00034	-.00020	-.00014	.00015	-.00077	.00320	-.00069	.00584

RUN NO. 789/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.075	1.24943	.01457	.00792	.00665	-.00699	.03009	-.12760	-.19865	-.14840
-.000	-4.041	1.25050	.01348	.00724	.00624	-.00656	.02751	-.11548	-.18681	-.10001
-.001	-.024	1.25014	.01319	.00701	.00618	-.00649	.02664	-.11062	-.18612	-.06528
-.002	4.091	1.24921	.01257	.00663	.00594	-.00624	.02519	-.10439	-.18294	-.06459
	GRADIENT	-.00016	-.00011	-.00008	-.00004	.00004	-.00029	.00136	-.00048	.00434

RUN NO. 790/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.997	-8.082	1.24904	.01847	.01004	.00843	-.00886	.03814	-.15874	-.19569	-.09208
3.997	-4.090	1.25065	.01663	.00897	.00766	-.00805	.03407	-.14082	-.18100	-.06173
4.000	.014	1.25014	.01516	.00810	.00706	-.00742	.03075	-.12706	-.17848	-.05244
4.010	4.100	1.25061	.01315	.00695	.00619	-.00650	.02641	-.10891	-.18529	-.05674
	GRADIENT	-.00001	-.00042	-.00025	-.00018	.00019	-.00094	.00390	-.00052	.00061

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0088) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = 1.250 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

PARAMETRIC DATA

RUN NO. 1400/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.001	-7.961	1.24951	.00708	.00403	.00306	-.00322	.01529	-.06244	-.10907	-.01740
-4.015	-3.937	1.25040	.00578	.00312	.00267	-.00280	.01184	-.04782	-.09616	.02006
-4.002	.032	1.24995	.00506	.00256	.00249	-.00262	.00974	-.03953	-.10365	.05883
-3.986	3.996	1.24986	.00401	.00198	.00203	-.00213	.00752	-.03078	-.11371	.09163
GRADIENT		-.00007	-.00022	-.00014	-.00008	.00008	-.00055	.00215	-.00221	.00902

RUN NO. 1401/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.051	1.24945	.00581	.00315	.00266	-.00280	.01197	-.05001	-.10533	-.01255
.000	-5.154	1.25009	.00561	.00295	.00267	-.00280	.01120	-.04659	-.10784	.00617
.000	-4.063	1.25006	.00546	.00281	.00265	-.00278	.01067	-.04433	-.10696	.02070
-.001	-.026	1.25008	.00485	.00243	.00241	-.00253	.00925	-.03808	-.10627	.03564
-.002	4.102	1.24932	.00382	.00189	.00192	-.00202	.00719	-.02948	-.10936	.05377
GRADIENT		-.00009	-.00020	-.00011	-.00009	.00009	-.00043	.00182	-.00029	.00403

RUN NO. 1402/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.995	-8.103	1.24942	.00756	.00410	.00346	-.00364	.01559	-.06372	-.09306	-.00420
4.003	-4.001	1.25013	.00574	.00310	.00264	-.00277	.01178	-.04836	-.08167	.03172
3.999	.003	1.25021	.00509	.00268	.00241	-.00253	.01018	-.04197	-.08956	.03988
4.006	4.086	1.24966	.00470	.00248	.00222	-.00233	.00943	-.03840	-.11032	.03799
GRADIENT		-.00006	-.00013	-.00008	-.00005	.00005	-.00029	.00123	-.00355	.00077

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0089) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABDX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1405/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.002	-8.018	1.29953	.00800	.00449	.00351	-.00370	.01706	-.06981	-.11562	-.02352
-4.016	-3.945	1.30042	.00564	.00354	.00310	-.00326	.01343	-.05444	-.10104	.01636
-4.001	-.009	1.30023	.00575	.00289	.00285	-.00299	.01098	-.04468	-.10964	.05703
-3.986	3.999	1.29953	.00494	.00245	.00248	-.00260	.00932	-.03849	-.12202	.08560
	GRADIENT	-.00011	-.00021	-.00014	-.00008	.00008	-.00052	.00201	-.00264	.00871

RUN NO. 1407/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-8.090	1.29956	.00647	.00346	.00300	-.00316	.01315	-.05469	-.10971	-.01672
-.000	-4.047	1.30040	.00625	.00321	.00305	-.00320	.01218	-.05074	-.11059	.01682
-.001	-.019	1.30027	.00577	.00288	.00289	-.00303	.01093	-.04520	-.11305	.04921
-.002	3.973	1.29948	.00471	.00235	.00235	-.00247	.00894	-.03675	-.11734	.04500
	GRADIENT	-.00011	-.00019	-.00011	-.00009	.00009	-.00040	.00174	-.00083	.00352

RUN NO. 1408/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.998	-8.086	1.29899	.00854	.00462	.00393	-.00413	.01753	-.07198	-.10010	-.01054
4.002	-4.026	1.30018	.00677	.00359	.00318	-.00335	.01362	-.05628	-.08462	.02685
3.995	.015	1.29991	.00583	.00306	.00277	-.00291	.01161	-.04814	-.09537	.03937
4.004	4.084	1.29975	.00548	.00280	.00268	-.00281	.01065	-.04323	-.11664	.03527
	GRADIENT	-.00005	-.00016	-.00010	-.00006	.00007	-.00037	.00161	-.00395	.00104

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0090) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1410/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -7.955 MACH 1.34971 CNB .00829 CNBO .00461 CNBF .00368 CLMB -.00387 CPAD -.07187 CPAT -.11229 CPAS -.02119
 -4.014 -3.926 1.35015 .00692 .00363 .00329 .00345 .01378 .05592 .10275 .1928
 -4.004 -.004 1.34966 .00624 .00315 .00309 .00324 .01197 .04848 .10863 .05354
 -3.997 4.092 1.34998 .00540 .00270 .00269 .00282 .01027 .04215 .12159 .08225
 GRADIENT -.00002 -.00019 -.00012 -.00008 -.00044 .00172 .00235 .00785

RUN NO. 1411/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -8.064 MACH 1.34992 CNB .00649 CNBO .00349 CNBF .00300 CLMB -.00315 CPAD -.05490 CPAT -.11284 CPAS -.01622
 -4.037 1.35045 .00648 .00333 .00315 .00331 .01265 .05269 .10883 .02041
 -0.019 1.34993 .00581 .00290 .00291 .00305 .01101 .04540 .11548 .04934
 3.979 1.34979 .00512 .00258 .00254 .00266 .00979 .04029 .11901 .04496
 GRADIENT -.00008 -.00017 -.00009 -.00008 -.00036 .00155 .00127 .00307

RUN NO. 1412/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -8.090 MACH 1.34977 CNB .00843 CNBO .00458 CNBF .00385 CLMB -.00405 CPAD -.07163 CPAT -.10321 CPAS -.00961
 -4.085 1.35032 .00714 .00379 .00335 .00352 .01439 .05969 .08751 .02561
 3.998 .008 1.34990 .00642 .00338 .00304 .00319 .01286 .03328 .03586
 4.005 1.34967 .00581 .00301 .00281 .00294 .01142 .04600 .11598 .03072
 GRADIENT -.00008 -.00016 -.00010 -.00007 -.00036 .00160 .00349 .00063

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0091) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1413/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.996	-7.953	1.39996	.00851	.00479	.00371	-.00391	.01821	-.07498	-.11923	-.02550
-4.017	-3.932	1.40040	.00734	.00389	.00345	-.00362	.01477	-.05998	-.10444	.01773
-3.995	-.013	1.39968	.00650	.00333	.00317	-.00333	.01263	-.05136	-.11173	.04593
-3.987	3.997	1.39952	.00597	.00304	.00292	-.00306	.01157	-.04720	-.12634	.07429
	GRADIENT	-.00011	-.00017	-.00011	-.00007	.00007	-.00040	.00161	-.00277	.00713

RUN NO. 1414/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.060	1.39958	.00699	.00377	.00323	-.00339	.01430	-.05929	-.11601	-.01657
-.000	-4.836	1.39996	.00724	.00376	.00348	-.00365	.01428	-.05960	-.11427	.01520
-.000	-4.045	1.39963	.00716	.00370	.00345	-.00362	.01407	-.05870	-.11203	.02081
-.001	-.020	1.39980	.00650	.00329	.00321	-.00337	.01250	-.05176	-.11955	.05082
-.002	3.971	1.39961	.00577	.00291	.00285	-.00299	.01107	-.04544	-.12183	.04940
	GRADIENT	-.00002	-.00017	-.00010	-.00007	.00007	-.00037	.00163	-.00105	.00415

RUN NO. 1415/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.996	-8.085	1.39962	.00828	.00457	.00371	-.00390	.01737	-.07156	-.10626	-.01190
4.011	-4.019	1.40020	.00748	.00400	.00348	-.00366	.01520	-.06307	-.08861	.02395
4.001	.020	1.39987	.00655	.00348	.00307	-.00323	.01321	-.05483	-.09744	.03478
4.002	4.052	1.40010	.00609	.00317	.00292	-.00307	.01205	-.04934	-.11852	.02851
	GRADIENT	-.00001	-.00017	-.00010	-.00007	.00007	-.00039	.00170	-.00370	.00057

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3 (TC0092) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1416/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.947	-7.934	1.54773	.00823	.00464	.00359	-.00378	.01762	-.07321	-.12599	-.04199
-3.932	-3.878	1.54846	.00821	.00435	.00386	-.00405	.01652	-.06719	-.10869	.00637
-3.900	-.019	1.55007	.00665	.00342	.00323	-.00338	.01300	-.05264	-.11567	.02701
-3.903	3.945	1.55098	.00670	.00346	.00324	-.00340	.01313	-.05327	-.12711	.06443
	GRADIENT	.00032	-.00019	-.00011	-.00008	.00008	-.00043	.00177	-.00236	.00743

RUN NO. 1417/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-7.983	1.54882	.00813	.00442	.00371	-.00390	.01678	-.06948	-.12392	-.03230
-.001	-3.942	1.54908	.00803	.00419	.00384	-.00403	.01593	-.06611	-.11764	.01696
-.001	.081	1.54890	.00765	.00397	.00368	-.00386	.01509	-.06244	-.12434	.03411
-.002	4.079	1.54804	.00692	.00356	.00336	-.00352	.01352	-.05537	-.12358	.04708
	GRADIENT	-.00013	-.00014	-.00008	-.00006	.00006	-.00030	.00134	-.00074	.00376

RUN NO. 1418/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.044	-8.167	1.54626	.00866	.00477	.00389	-.00410	.01811	-.07512	-.11002	-.02371
4.075	-4.091	1.55001	.00781	.00424	.00357	-.00376	.01611	-.06697	-.09305	.01098
4.102	.016	1.54882	.00733	.00396	.00336	-.00353	.01506	-.06247	-.10122	.02537
4.071	4.128	1.54842	.00724	.00386	.00338	-.00355	.01468	-.06051	-.13158	.01528
	GRADIENT	-.00019	-.00007	-.00005	-.00002	.00003	-.00017	.00079	-.00469	.00052

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3 (TC0093) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1540/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.070	-8.088	1.39989	.00814	.00457	.00356	-.00375	.01737	-.07155	-.11567	-.02483
-4.087	-3.928	1.40020	.00692	.00368	.00324	-.00340	.01399	-.05678	-.10048	.01853
-4.084	-.021	1.39930	.00597	.00308	.00289	-.00303	.01170	-.04749	-.11071	.03711
-4.077	3.989	1.39996	.00554	.00283	.00271	-.00285	.01073	-.04385	-.12546	.07378
	GRADIENT	-.00003	-.00017	-.00011	-.00007	.00007	-.00041	.00163	-.00316	.00699
RUN NO. 1541/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.004	-8.089	1.39991	.00636	.00346	.00291	-.00305	.01313	-.05425	-.11354	-.01507
-.001	-4.890	1.40003	.00691	.00361	.00331	-.00347	.01369	-.05716	-.11136	.01562
-.002	-4.044	1.40030	.00670	.00348	.00323	-.00339	.01321	-.05505	-.10864	.02296
-.003	-.048	1.40060	.00598	.00302	.00297	-.00311	.01146	-.04763	-.11368	.05588
-.004	3.984	1.39903	.00537	.00272	.00264	-.00277	.01034	-.04240	-.12014	.05198
	GRADIENT	-.00011	-.00017	-.00010	-.00007	.00008	-.00038	.00166	-.00113	.00437
RUN NO. 1542/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.940	-8.067	1.39976	.00754	.00429	.00325	-.00343	.01630	-.06733	-.11203	-.01260
3.937	-4.051	1.40023	.00682	.00366	.00316	-.00332	.01391	-.05769	-.08520	.02426
3.935	.005	1.40008	.00585	.00309	.00275	-.00289	.01175	-.04875	-.09262	.03549
3.930	3.999	1.39936	.00569	.00298	.00271	-.00285	.01132	-.04615	-.11599	.02819
	GRADIENT	-.00011	-.00014	-.00008	-.00006	.00006	-.00032	.00144	-.00382	.00049

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC0094) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = -5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1544/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.030	-7.937	1.54739	.00744	.00418	.00326	-.00343	.01589	-.06592	-.12082	-.03888
-4.004	-3.878	1.54939	.00735	.00388	.00347	-.00365	.01472	-.05985	-.10366	.01412
-3.984	-.032	1.54999	.00592	.00307	.00285	-.00299	.01168	-.04727	-.10977	-.02613
-3.996	3.929	1.54977	.00607	.00311	.00296	-.00311	.01181	-.04782	-.12315	.06686
	GRADIENT	.00005	-.00016	-.00010	-.00006	.00007	-.00037	.00153	-.00250	.00677

RUN NO. 1545/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.000	-7.993	1.54894	.00725	.00391	.00334	-.00351	.01486	-.06134	-.11623	-.02350
-.001	-3.938	1.55082	.00716	.00371	.00345	-.00363	.01408	-.05836	-.10972	.02305
-.003	.091	1.54949	.00685	.00349	.00336	-.00352	.01324	-.05479	-.11461	.04772
-.002	4.047	1.54752	.00598	.00305	.00293	-.00308	.01158	-.04718	-.11628	.05650
	GRADIENT	-.00041	-.00015	-.00008	-.00007	.00007	-.00031	.00140	-.00082	.00420

RUN NO. 1546/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.983	-8.137	1.54822	.00769	.00422	.00346	-.00365	.01604	-.06655	-.10439	-.01653
4.005	-4.109	1.54881	.00676	.00365	.00311	-.00327	.01386	-.05758	-.08448	.01590
4.036	.011	1.54871	.00643	.00345	.00299	-.00314	.01309	-.05428	-.09393	.03292
4.005	4.081	1.54815	.00624	.00332	.00292	-.00307	.01261	-.05194	-.12340	.02199
	GRADIENT	-.00008	-.00006	-.00004	-.00002	.00002	-.00015	.00069	-.00475	.00075

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0095) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .600 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

PARAMETRIC DATA

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.001	-8.100	.59915	.02501	.01311	.01190	-.01250	.04980	-.21199	-.38155	-.37671
-4.003	-4.007	.59899	.02434	.01275	.01160	-.01218	.04842	-.20585	-.35667	-.37289
-4.003	-.002	.60001	.02331	.01222	.01109	-.01165	.04640	-.19629	-.34256	-.35594
-4.002	3.969	.59954	.02250	.01183	.01067	-.01121	.04492	-.19125	-.33511	-.33142
	GRADIENT	.00007	-.00023	-.00012	-.00012	.00012	-.00044	.00183	.00270	.00520

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.001	.59909	.02352	.01232	.01120	-.01176	.04679	-.20017	-.36507	-.35604
.001	-4.015	.59997	.02214	.01159	.01054	-.01107	.04404	-.18832	-.33542	-.32679
.001	.071	.60063	.02120	.01104	.01016	-.01066	.04195	-.17946	-.32861	-.31447
-.001	3.984	.60058	.02028	.01055	.00973	-.01021	.04008	-.17123	-.32303	-.29521
	GRADIENT	.00008	-.00023	-.00013	-.00010	.00011	-.00049	.00214	.00155	.00394

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.996	-8.086	.59901	.02548	.01324	.01224	-.01285	.05029	-.21491	-.38022	-.30494
4.001	-4.000	.60045	.02437	.01269	.01168	-.01226	.04819	-.20548	-.35119	-.28020
4.004	-.010	.60028	.02290	.01190	.01100	-.01154	.04522	-.19334	-.34352	-.26898
3.999	3.979	.59931	.02228	.01154	.01074	-.01128	.04382	-.18800	-.33767	-.27047
	GRADIENT	-.00014	-.00026	-.00014	-.00012	.00012	-.00055	.00219	.00169	.00122

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC0096) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1623/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAT CPAS
 -4.000 -8.098 .79925 .02650 .01401 .01250 -.01313 .05321 -.22550 -.38287 -.36257
 -4.003 -4.048 .80053 .02461 .01306 .01155 -.01214 .04959 -.20965 -.34687 -.35623
 -3.991 -.033 .80002 .02377 .01263 .01114 -.01170 .04798 -.20293 -.33141 -.35378
 -3.998 3.994 .79965 .02331 .01240 .01090 -.01146 .04711 -.19940 -.32242 -.34491
 GRADIENT -.00011 -.00016 -.00008 -.00008 .00008 -.00008 -.00031 .00127 .00304 .00141

RUN NO. 1624/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAT CPAS
 -.003 -8.021 .80000 .02534 .01337 .01197 -.01257 .05079 -.21626 -.36288 -.34601
 -.001 -4.001 .80008 .02366 .01250 .01115 -.01171 .04749 -.20214 -.33200 -.31658
 -.000 -.016 .79971 .02265 .01194 .01070 -.01124 .04537 -.19270 -.31921 -.30466
 -.001 3.976 .79947 .02140 .01124 .01016 -.01067 .04269 -.18142 -.30905 -.30181
 GRADIENT -.00008 -.00028 -.00016 -.00012 -.00013 .00013 -.00060 .00260 .00288 .00185

RUN NO. 1625/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAT CPAS
 4.000 .79908 .02733 .01440 .01293 .01293 -.01358 .05470 -.23209 -.38302 -.29207
 3.998 -4.058 .80053 .02549 .01347 .01202 -.01263 .05115 -.21637 -.34527 -.26540
 3.991 -.033 .80035 .02418 .01278 .01140 -.01198 .04853 -.20540 -.33201 -.26350
 4.003 3.984 .79951 .02337 .01233 .01104 -.01159 .04683 -.19836 -.31330 -.27220
 GRADIENT -.00013 -.00026 -.00014 -.00012 -.00013 .00013 -.00054 .00224 .00398 .00084

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC0097) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .900 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1626/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.000	-8.085	.89921	.02849	.01499	.01350	-.01418	.05695	-.24081	-.38322	-.34193
-4.002	-4.080	.90017	.02633	.01394	.01239	-.01302	.05294	-.22382	-.35406	-.34662
-3.990	.038	.90006	.02528	.01340	.01187	-.01247	.05091	-.21469	-.33646	-.35202
-3.999	4.002	.89990	.02419	.01283	.01136	-.01193	.04873	-.20594	-.31990	-.34499
	GRADIENT	-.00003	-.00026	-.00014	-.00013	.00013	-.00052	.00221	.00423	.00019

RUN NO. 1627/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.014	.89999	.02717	.01434	.01283	-.01348	.05447	-.23096	-.36879	-.32969
-.001	-4.022	.90008	.02477	.01310	.01167	-.01226	.04975	-.21108	-.33191	-.30931
-.000	-.022	.89978	.02347	.01242	.01105	-.01161	.04717	-.20007	-.31577	-.29711
-.001	3.958	.89967	.02210	.01164	.01045	-.01098	.04423	-.18767	-.30168	-.31404
	GRADIENT	-.00005	-.00034	-.00018	-.00015	.00016	-.00069	.00293	.00379	-.00059

RUN NO. 1628/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.998	-8.085	.89969	.02918	.01550	.01368	-.01438	.05887	-.24880	-.37526	-.28756
4.003	-4.074	.89994	.02650	.01401	.01249	-.01312	.05320	-.22496	-.35280	-.26733
3.990	.046	.90027	.02503	.01330	.01173	-.01232	.05052	-.21381	-.32972	-.26808
4.003	4.013	.90001	.02415	.01287	.01128	-.01185	.04889	-.20693	-.31187	-.28264
	GRADIENT	.00001	-.00029	-.00014	-.00015	.00016	-.00053	.00223	.00506	-.00188

IA613A(AEDC 16TF-829) B/L DT + ASRM, PLUMES OFF

(TC0098) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1629/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBD	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.999	-8.087	.94925	.03039	.01610	.01429	-.01502	.06114	-.25852	-.38479	-.35448
-4.004	-4.093	.95026	.02866	.01527	.01339	-.01407	.05801	-.24511	-.36318	-.36209
-3.994	.077	.95041	.02744	.01471	.01273	-.01338	.05589	-.23593	-.35142	-.38123
-4.005	4.018	.94934	.02677	.01432	.01246	-.01309	.05438	-.23012	-.34097	-.38168
	GRADIENT	-.00011	-.00023	-.00012	-.00012	.00012	-.00045	.00185	.00274	-.00244

RUN NO. 1630/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBD	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-0.003	-8.013	.94981	.02884	.01533	.01352	-.01420	.05821	-.24693	-.37434	-.34933
.000	-4.028	.94996	.02652	.01408	.01244	-.01307	.05349	-.22654	-.35063	-.33866
-.001	-.013	.94983	.02558	.01365	.01193	-.01254	.05185	-.21967	-.33315	-.32538
.002	3.999	.94946	.02465	.01314	.01151	-.01209	.04991	-.21152	-.31770	-.33762
	GRADIENT	-.00006	-.00023	-.00012	-.00012	.00012	-.00045	.00187	.00410	.00013

RUN NO. 1631/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBD	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.000	-8.083	.94931	.03155	.01688	.01467	-.01541	.06412	-.27144	-.38158	-.30476
4.001	-4.090	.95026	.02996	.01602	.01394	-.01465	.06085	-.25674	-.36128	-.28530
3.989	.089	.95048	.02820	.01509	.01311	-.01378	.05733	-.24198	-.34693	-.28349
4.004	4.001	.94938	.02668	.01426	.01241	-.01305	.05417	-.22904	-.33283	-.30172
	GRADIENT	-.00011	-.00041	-.00022	-.00019	.00020	-.00083	.00342	.00352	-.00200

IA613A(AEDC 16TF-829) B/L QT + ASRM, PLUMES OFF (TC0099) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.050 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1632/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.002	-8.062	1.04814	.03473	.01841	.01632	-.01715	.06993	-.29413	-.41784	-.45015
-4.003	-4.097	1.05165	.03350	.01808	.01542	-.01621	.06868	-.28933	-.38581	-.44976
-4.000	.009	1.05027	.03232	.01757	.01474	-.01551	.06674	-.28157	-.37458	-.45777
-4.003	4.030	1.04921	.03122	.01702	.01420	-.01493	.06465	-.27294	-.36997	-.46398
	GRADIENT	-.00030	-.00028	-.00013	-.00015	.00016	-.00050	.00202	.00195	-.00175

RUN NO. 1633/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-7.991	1.04947	.03303	.01769	.01534	-.01612	.06719	-.28439	-.40297	-.45204
.000	-4.045	1.05087	.03135	.01689	.01446	-.01520	.06415	-.27192	-.37844	-.42871
-.001	-.028	1.05029	.03011	.01625	.01386	-.01457	.06172	-.26112	-.36699	-.41193
-.002	3.961	1.04972	.03008	.01629	.01379	-.01450	.06186	-.26251	-.36096	-.43086
	GRADIENT	-.00014	-.00016	-.00008	-.00008	.00009	-.00029	.00118	.00218	-.00026

RUN NO. 1634/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.001	-8.052	1.04809	.03636	.01972	.01664	-.01750	.07491	-.31671	-.41396	-.38571
4.002	-4.012	1.05146	.03445	.01865	.01580	-.01662	.07083	-.29829	-.39191	-.36073
3.999	.025	1.05024	.03298	.01787	.01511	-.01589	.06788	-.28552	-.37670	-.35602
4.008	4.068	1.04984	.03034	.01635	.01399	-.01470	.06211	-.26138	-.36895	-.36936
	GRADIENT	-.00020	-.00051	-.00028	-.00022	.00024	-.00108	.00457	.00284	-.00107

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC00AO) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1636/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.000	-8.054	1.09853	.04055	.02180	.01876	-.01971	.08279	-.34830	-.46252	-.55194
-4.003	-4.092	1.10075	.03853	.02076	.01777	-.01868	.07884	-.33122	-.42681	-.53050
-4.002	.012	1.10042	.03692	.01998	.01695	-.01782	.07587	-.31902	-.41241	-.52327
-4.004	4.051	1.09958	.03490	.01901	.01588	-.01670	.07222	-.30351	-.39591	-.51253
	GRADIENT	-.00014	-.00045	-.00021	-.00023	.00024	-.00081	.00340	.00379	.00221

RUN NO. 1637/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-7.991	1.09919	.03844	.02069	.01775	-.01865	.07859	-.33070	-.44385	-.51748
.001	-4.062	1.10065	.03616	.01954	.01662	-.01747	.07432	-.31246	-.41218	-.48557
-.001	-.005	1.10009	.03519	.01912	.01607	-.01690	.07262	-.30614	-.40022	-.47358
-.001	3.990	1.09943	.03493	.01905	.01588	-.01670	.07237	-.30437	-.39031	-.48086
	GRADIENT	-.00015	-.00015	-.00006	-.00009	.00010	-.00023	.00101	.00272	.00059

RUN NO. 1638/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.999	-8.046	1.09876	.04211	.02274	.01936	-.02036	.08639	-.36371	-.46641	-.46118
3.998	-4.014	1.10035	.03870	.02080	.01790	-.01881	.07902	-.33230	-.43236	-.43724
4.001	.025	1.09997	.03678	.01974	.01704	-.01791	.07497	-.31499	-.41116	-.41750
4.004	4.033	1.09941	.03433	.01839	.01593	-.01675	.06986	-.29318	-.39962	-.43124
	GRADIENT	-.00012	-.00054	-.00030	-.00024	.00026	-.00114	.00486	.00407	.00075

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC00A1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABDX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1639/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.001	-8.038	1.14882	.03426	.01835	.01590	-.01671	.06971	-.29346	-.40457	-.47939
-4.005	-4.092	1.15054	.03278	.01765	.01512	-.01590	.06705	-.28191	-.37719	-.46436
-4.007	.019	1.15067	.03198	.01728	.01470	-.01545	.06565	-.27587	-.36549	-.46401
-4.004	4.049	1.14944	.03119	.01695	.01424	-.01498	.06439	-.27030	-.35624	-.45343
	GRADIENT	-.00013	-.00019	-.00009	-.00011	.00011	-.00033	.00143	.00257	.00134

RUN NO. 1640/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.002	-8.098	1.14955	.03228	.01731	.01497	-.01574	.06573	-.27686	-.38834	-.45795
.000	-4.066	1.15026	.03077	.01661	.01416	-.01489	.06310	-.26583	-.36549	-.43065
-.001	-.029	1.14989	.03033	.01645	.01388	-.01460	.06250	-.26344	-.35729	-.41986
.001	3.959	1.14986	.03090	.01686	.01404	-.01477	.06403	-.26932	-.35048	-.42650
	GRADIENT	-.00005	.00002	.00003	-.00002	.00001	.00011	-.00043	.00187	.00052

RUN NO. 1641/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.995	-8.029	1.14818	.03608	.01948	.01660	-.01746	.07399	-.31177	-.40893	-.39832
4.001	-4.016	1.15022	.03355	.01803	.01552	-.01631	.06849	-.28816	-.38405	-.37662
4.006	.024	1.15036	.03214	.01726	.01488	-.01564	.06555	-.27544	-.36587	-.36517
4.008	4.084	1.14999	.03049	.01634	.01416	-.01488	.06205	-.26061	-.36124	-.38031
	GRADIENT	-.00003	-.00038	-.00021	-.00017	.00018	-.00080	.00340	.00281	-.00046

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC00A2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1642/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.002	-7.914	1.24880	.03053	.01631	.01422	-.01494	.06194	-.26106	-.37316	-.45267
-4.005	-4.087	1.25007	.02966	.01594	.01372	-.01442	.06056	-.25479	-.35266	-.43237
-4.002	.015	1.25015	.02894	.01560	.01334	-.01402	.05927	-.24906	-.33521	-.43397
-4.001	3.996	1.24930	.02841	.01533	.01308	-.01375	.05825	-.24462	-.32847	-.41901
	GRADIENT	-.00009	-.00015	-.00008	-.00008	.00008	-.00029	.00126	.00300	.00164

RUN NO. 1643/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.002	-7.987	1.24950	.02886	.01545	.01341	-.01410	.05867	-.24734	-.35712	-.42463
-4.001	-4.065	1.25030	.02750	.01479	.01270	-.01335	.05619	-.23658	-.33460	-.40724
-4.001	-.034	1.24980	.02733	.01478	.01255	-.01319	.05615	-.23666	-.32915	-.39305
-4.002	3.954	1.24977	.02791	.01521	.01271	-.01336	.05776	-.24278	-.31845	-.40484
	GRADIENT	-.00007	.00005	.00005	.00000	-.00000	.00020	-.00077	.00201	.00031

RUN NO. 1644/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.999	-8.035	1.24909	.03285	.01764	.01521	-.01599	.06701	-.28293	-.38084	-.37169
4.003	-4.020	1.25031	.03088	.01654	.01434	-.01507	.06283	-.26530	-.35992	-.36263
4.000	.020	1.24971	.02878	.01542	.01336	-.01404	.05856	-.24650	-.33555	-.35309
3.999	3.988	1.24985	.02837	.01524	.01313	-.01380	.05790	-.24400	-.33556	-.36661
	GRADIENT	-.00006	-.00031	-.00016	-.00015	.00016	-.00062	.00267	.00305	-.00049

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC00A3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1674/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.002	-8.026	1.24947	.02988	.01596	.01392	-.01463	.06064	-.25565	-.36918	-.44662
-4.003	-4.094	1.25002	.02903	.01561	.01342	-.01411	.05929	-.24934	-.34870	-.42657
-3.996	.014	1.25019	.02826	.01523	.01303	-.01370	.05785	-.24306	-.33332	-.42734
-4.000	4.037	1.24959	.02770	.01493	.01276	-.01342	.05672	-.23828	-.32400	-.41438
	GRADIENT	-.00005	-.00016	-.00008	-.00008	.00008	-.00032	.00136	.00304	.00149

RUN NO. 1675/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.087	1.24950	.02824	.01509	.01315	-.01382	.05730	-.24150	-.35374	-.41854
.000	-4.061	1.25027	.02689	.01445	.01245	-.01308	.05487	-.23110	-.33118	-.40114
-.001	.005	1.25013	.02650	.01434	.01216	-.01279	.05445	-.22963	-.32445	-.38756
-.002	3.958	1.24957	.02726	.01482	.01244	-.01308	.05630	-.23664	-.31520	-.39782
	GRADIENT	-.00009	.00005	.00005	-.00000	.00000	.00018	-.00069	.00199	.00043

RUN NO. 1676/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.998	-8.021	1.24901	.03220	.01727	.01493	-.01569	.06558	-.27683	-.37693	-.36761
3.999	-4.012	1.25004	.03003	.01607	.01396	-.01467	.06102	-.25753	-.35491	-.35608
4.000	.017	1.24996	.02811	.01507	.01304	-.01370	.05723	-.24093	-.33173	-.34835
4.002	4.033	1.24981	.02756	.01478	.01278	-.01343	.05615	-.23666	-.33079	-.35950
	GRADIENT	-.00003	-.00031	-.00016	-.00015	.00015	-.00061	.00260	.00300	-.00042

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC00A4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1679/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.002	-7.928	1.29977	.02901	.01548	.01353	-.01422	.05880	-.24810	-.36364	-.43016
-4.001	-4.080	1.30050	.02793	.01495	.01298	-.01364	.05678	-.23900	-.34320	-.41341
-3.997	.011	1.30030	.02781	.01495	.01286	-.01352	.05677	-.23839	-.32758	-.41445
-3.999	4.044	1.29922	.02722	.01469	.01253	-.01317	.05581	-.23450	-.32075	-.40860
	GRADIENT	-.00016	-.00009	-.00003	-.00006	.00006	-.00012	.00055	.00277	.00059

RUN NO. 1680/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.090	1.29981	.02766	.01479	.01287	-.01352	.05618	-.23682	-.34702	-.41053
.000	-4.022	1.29996	.02640	.01419	.01221	-.01283	.05390	-.22688	-.32430	-.39598
-.001	-.041	1.29959	.02611	.01407	.01204	-.01266	.05345	-.22538	-.31788	-.38068
-.002	4.002	1.29989	.02663	.01445	.01217	-.01280	.05490	-.23082	-.30788	-.39287
	GRADIENT	-.00001	.00003	.00003	-.00000	.00000	.00012	-.00049	.00205	.00038

RUN NO. 1681/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.999	-8.041	1.29940	.03159	.01694	.01466	-.01540	.06433	-.27159	-.37060	-.35736
3.999	-4.022	1.30011	.02990	.01605	.01385	-.01455	.06096	-.25731	-.34674	-.34768
4.002	.024	1.29991	.02734	.01464	.01270	-.01335	.05560	-.23419	-.32467	-.33928
4.002	4.035	1.29990	.02696	.01446	.01250	-.01314	.05491	-.23163	-.32620	-.35179
	GRADIENT	-.00003	-.00037	-.00020	-.00017	.00018	-.00075	.00319	.00255	-.00051

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC00A5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABDX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1682/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.998	-7.940	1.35047	.02875	.01531	.01344	-.01412	.05816	-.24550	-.35836	-.42795
-4.001	-4.074	1.34995	.02767	.01477	.01290	-.01356	.05610	-.23655	-.33866	-.40973
-3.994	.014	1.34967	.02708	.01454	.01254	-.01318	.05522	-.23183	-.31966	-.41082
-4.003	4.056	1.35013	.02651	.01428	.01223	-.01286	.05424	-.22792	-.31015	-.39949
	GRADIENT	.00002	-.00014	-.00006	-.00008	.00009	-.00023	.00106	.00351	.00126

RUN NO. 1683/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.089	1.34989	.02695	.01443	.01253	-.01316	.05480	-.23089	-.33997	-.40170
.000	-4.052	1.34982	.02583	.01390	.01193	-.01254	.05279	-.22227	-.31580	-.38543
-.001	-.055	1.34984	.02533	.01366	.01166	-.01226	.05190	-.21886	-.30647	-.36876
-.002	3.963	1.34971	.02643	.01432	.01211	-.01274	.05439	-.22869	-.30066	-.38321
	GRADIENT	-.00001	.00007	.00005	.00002	-.00002	.00020	-.00080	.00189	.00027

RUN NO. 1684/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.000	-7.923	1.34914	.03095	.01658	.01437	-.01510	.06299	-.26596	-.36004	-.35708
4.000	-4.030	1.34986	.02942	.01583	.01359	-.01428	.06013	-.25361	-.33756	-.34520
3.999	.018	1.35001	.02806	.01509	.01297	-.01363	.05732	-.24230	-.32274	-.33230
3.998	4.044	1.35024	.02680	.01438	.01241	-.01305	.05463	-.23095	-.31859	-.34787
	GRADIENT	.00005	-.00032	-.00018	-.00015	.00015	-.00068	.00281	.00235	-.00033

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF

(TC00A6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1685/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.999	-7.947	1.39901	.02843	.01511	.01332	-.01399	.05741	-.24297	-.35229	-.42125
-4.002	-4.003	1.40015	.02697	.01438	.01259	-.01323	.05463	-.23068	-.32984	-.39840
-3.998	.013	1.39932	.02669	.01435	.01235	-.01298	.05450	-.22897	-.31257	-.40397
-4.000	4.045	1.40034	.02637	.01420	.01217	-.01279	.05393	-.22684	-.30364	-.39259
	GRADIENT	.00002	-.00008	-.00002	-.00005	.00005	-.00009	.00048	.00325	.00072

RUN NO. 1686/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.072	1.39962	.02673	.01431	.01242	-.01305	.05436	-.22883	-.33748	-.39187
.000	-4.061	1.40001	.02560	.01377	.01183	-.01244	.05230	-.22020	-.31140	-.36983
-.001	-.047	1.39994	.02555	.01378	.01177	-.01237	.05233	-.22062	-.30128	-.35630
-.002	3.945	1.39963	.02614	.01414	.01200	-.01262	.05372	-.22588	-.29394	-.37323
	GRADIENT	-.00005	.00007	.00005	.00002	-.00002	.00018	-.00071	.00218	-.00042

RUN NO. 1687/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.999	-7.921	1.39943	.03076	.01649	.01427	-.01499	.06263	-.26456	-.35394	-.34857
4.001	-4.020	1.40011	.02867	.01542	.01325	-.01393	.05857	-.24738	-.32968	-.33984
3.998	.018	1.40033	.02745	.01474	.01270	-.01335	.05600	-.23694	-.31903	-.32479
4.001	4.045	1.39965	.02726	.01467	.01260	-.01324	.05572	-.23595	-.31448	-.33598
	GRADIENT	-.00006	-.00017	-.00009	-.00008	.00009	-.00035	.00142	.00188	.00048

IA613A(AEDC 16TF-829) B/L OT + ASRM, PLUMES OFF (TC00A7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1689/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.049	-8.011	1.54818	.02716	.01449	.01268	-.01332	.05503	-.23384	-.32157	-.38737
-4.075	-4.167	1.55002	.02658	.01422	.01236	-.01299	.05402	-.22933	-.30975	-.36361
-4.097	.021	1.54956	.02505	.01340	.01165	-.01224	.05090	-.21458	-.29295	-.38315
-4.066	4.094	1.54924	.02427	.01300	.01127	-.01184	.04939	-.20851	-.27589	-.37618
	GRADIENT	-.00010	-.00028	-.00015	-.00013	.00014	-.00056	.00253	.00410	-.00154

RUN NO. 1690/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.002	-7.996	1.54918	.02494	.01329	.01164	-.01224	.05048	-.21220	-.31184	-.35691
.000	-3.958	1.54903	.02438	.01310	.01128	-.01185	.04975	-.20978	-.29718	-.33837
-.000	.061	1.54879	.02440	.01315	.01125	-.01183	.04993	-.21048	-.28290	-.33281
-.001	4.047	1.54894	.02420	.01301	.01119	-.01176	.04943	-.20827	-.27222	-.34985
	GRADIENT	-.00001	-.00002	-.00001	-.00001	.00001	-.00004	.00019	.00312	-.00143

RUN NO. 1691/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.051	-8.002	1.54857	.02682	.01434	.01248	-.01312	.05446	-.22985	-.32300	-.32091
4.076	-4.161	1.54993	.02629	.01408	.01222	-.01284	.05346	-.22626	-.31118	-.31385
4.098	.019	1.55010	.02756	.01483	.01273	-.01338	.05631	-.23874	-.30348	-.30307
4.067	4.142	1.54941	.02621	.01411	.01209	-.01271	.05361	-.22787	-.29131	-.31607
	GRADIENT	-.00006	-.00001	-.00001	-.00001	.00001	.00002	-.00020	.00239	-.00026

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(TC00A8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = .600 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

RUN NO. 1586/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.000	-8.073	.59896	.01864	.01088	.00776	-.00819	.04133	-.17803	-.22791	-.20941
-3.996	-3.989	.60022	.01574	.00933	.00641	-.00677	.03543	-.15324	-.20768	-.18931
-3.999	-.002	.60082	.01320	.00798	.00522	-.00552	.03033	-.12989	-.20017	-.17801
-3.997	3.972	.59971	.01065	.00658	.00407	-.00431	.02497	-.10765	-.18737	-.15077
GRADIENT		-.00006	-.00064	-.00035	-.00029	.00031	-.00131	.00573	.00255	.00484

RUN NO. 1587/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.002	-7.900	.59985	.01422	.00857	.00565	-.00598	.03254	-.14065	-.22642	-.21348
.001	-3.943	.60013	.01178	.00719	.00459	-.00486	.02730	-.11865	-.20460	-.17329
.000	-.017	.60093	.00988	.00599	.00390	-.00412	.02275	-.09961	-.19297	-.15241
.003	4.067	.59978	.00845	.00536	.00310	-.00329	.02035	-.08663	-.18312	-.13303
GRADIENT		-.00005	-.00041	-.00023	-.00019	.00020	-.00087	.00399	.00268	.00502

RUN NO. 1588/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.997	-8.092	.59958	.01687	.00989	.00698	-.00737	.03756	-.16430	-.23538	-.16468
3.997	-3.992	.60120	.01440	.00858	.00582	-.00614	.03261	-.14150	-.21104	-.14036
3.999	-.009	.60030	.01223	.00731	.00492	-.00520	.02778	-.11988	-.20572	-.13366
4.000	3.965	.60006	.00956	.00577	.00380	-.00401	.02190	-.09498	-.19034	-.12700
GRADIENT		-.00014	-.00061	-.00035	-.00025	.00027	-.00135	.00585	.00260	.00168

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,2

(TC00A9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1590/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.998	-8.095	.79892	.01835	.01055	.00780	-.00822	.04008	-.17190	-.21814	-.18751
-3.998	-4.042	.80070	.01450	.00852	.00598	-.00632	.03235	-.13778	-.19710	-.16357
-3.985	-.055	.79994	.01215	.00724	.00491	-.00519	.02749	-.11622	-.18190	-.15053
-4.006	3.936	.80011	.01000	.00608	.00392	-.00415	.02311	-.09844	-.16574	-.13325
	GRADIENT	-.00007	-.00056	-.00031	-.00026	.00027	-.00116	.00493	.00393	.00380

RUN NO. 1591/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.054	.79972	.01446	.00860	.00587	-.00620	.03266	-.14026	-.21769	-.17801
.001	-3.912	.80003	.01146	.00681	.00466	-.00492	.02585	-.11224	-.19216	-.14264
-.000	-.005	.79989	.00969	.00580	.00390	-.00412	.02202	-.09615	-.17722	-.11988
-.001	4.088	.79951	.00759	.00466	.00293	-.00311	.01769	-.07613	-.16266	-.11506
	GRADIENT	-.00006	-.00048	-.00027	-.00022	.00023	-.00102	.00452	.00369	.00343

RUN NO. 1592/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.999	-8.090	.79905	.01727	.01017	.00710	-.00749	.03863	-.16625	-.22075	-.12896
3.995	-4.045	.80047	.01427	.00854	.00573	-.00606	.03243	-.13795	-.19915	-.11572
3.985	-.051	.80024	.01189	.00710	.00479	-.00506	.02698	-.11337	-.18700	-.10989
4.008	3.923	.80004	.00956	.00572	.00384	-.00406	.02173	-.09340	-.16917	-.10619
	GRADIENT	-.00005	-.00059	-.00035	-.00024	.00025	-.00134	.00559	.00376	.00120

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(TCO0B0) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1593/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.998	-8.097	.89967	.01762	.01016	.00746	-.00787	.03860	-.16343	-.21165	-.16973
-4.000	-4.074	.90041	.01362	.00801	.00561	-.00593	.03041	-.12888	-.18699	-.14340
-3.985	.017	.90007	.01121	.00659	.00462	-.00488	.02505	-.10640	-.17271	-.12633
-4.001	3.998	.89982	.00922	.00553	.00369	-.00390	.02101	-.08907	-.15427	-.11446
	GRADIENT	-.00007	-.00055	-.00031	-.00024	.00025	-.00116	.00493	.00405	.00359

RUN NO. 1594/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.022	.89965	.01409	.00821	.00589	-.00621	.03118	-.13319	-.20793	-.15333
-.001	-4.048	.90019	.01113	.00653	.00460	-.00485	.02480	-.10677	-.17965	-.12214
-.000	.004	.90022	.00933	.00538	.00394	-.00416	.02045	-.08941	-.16641	-.09556
-.001	4.093	.89953	.00704	.00407	.00297	-.00313	.01546	-.06908	-.15102	-.10152
	GRADIENT	-.00008	-.00050	-.00030	-.00020	.00021	-.00115	.00463	.00352	.00253

RUN NO. 1595/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.994	-8.093	.89975	.01736	.01006	.00730	-.00770	.03820	-.16205	-.21560	-.11058
3.999	-4.075	.90015	.01372	.00811	.00561	-.00592	.03081	-.13019	-.19296	-.09669
3.990	.028	.90028	.01119	.00663	.00456	-.00481	.02520	-.10733	-.17565	-.09369
3.997	3.991	.89975	.00946	.00560	.00386	-.00407	.02128	-.09048	-.15451	-.09645
	GRADIENT	-.00005	-.00053	-.00031	-.00022	.00023	-.00118	.00493	.00476	.00003

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(TC00B1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

MACH = .950 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 1596/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.001	-7.987	.94889	.01644	.00941	.00703	-.00741	.03575	-.14994	-.20252	-.15171
-3.999	-4.075	.95054	.01271	.00732	.00539	-.00568	.02782	-.11637	-.17858	-.12847
-3.989	.053	.95202	.01029	.00586	.00443	-.00467	.02227	-.09380	-.16656	-.11651
-3.996	3.979	.94797	.00834	.00472	.00362	-.00382	.01792	-.07670	-.15608	-.10608
	GRADIENT	-.00031	-.00054	-.00032	-.00022	-.00023	-.00123	.00493	.00279	.00278

RUN NO. 1597/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.002	-8.063	.94951	.01446	.00825	.00621	-.00655	.03133	-.13458	-.19459	-.13927
.001	-4.044	.95092	.01026	.00595	.00431	-.00454	.02260	-.09687	-.17268	-.11465
-.000	-.033	.95100	.00818	.00458	.00361	-.00380	.01738	-.07483	-.15956	-.08507
.002	3.973	.94905	.00595	.00328	.00267	-.00281	.01245	-.05575	-.13961	-.08690
	GRADIENT	-.00023	-.00054	-.00033	-.00020	-.00022	-.00127	.00513	.00412	.00346

RUN NO. 1598/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.999	-8.098	.94905	.01686	.00970	.00716	-.00755	.03683	-.15489	-.20456	-.09798
3.998	-4.090	.94995	.01366	.00795	.00571	-.00602	.03021	-.12574	-.17613	-.08402
3.989	.075	.95231	.01109	.00643	.00466	-.00492	.02443	-.10204	-.16306	-.07873
4.002	3.987	.94778	.00823	.00460	.00364	-.00383	.01746	-.07450	-.15058	-.08025
	GRADIENT	-.00026	-.00067	-.00042	-.00026	-.00027	-.00158	.00634	.00316	.00048

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (TCDOB2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1599/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.001	-8.068	1.04861	.01983	.01108	.00875	-.00922	.04209	-.17500	-.21446	-.13774
-4.001	-4.084	1.05145	.01705	.00962	.00743	-.00783	.03653	-.15180	-.19936	-.12730
-3.999	.010	1.05076	.01505	.00846	.00659	-.00694	.03212	-.13269	-.18940	-.10818
-3.997	4.021	1.04968	.01287	.00719	.00567	-.00598	.02731	-.11136	-.17994	-.08609
	GRADIENT	-.00022	-.00052	-.00030	-.00022	.00023	-.00114	.00499	.00240	.00508

RUN NO. 1600/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-0.003	-7.989	1.04976	.01672	.00922	.00750	-.00789	.03502	-.14809	-.21281	-.14492
-0.000	-4.068	1.05068	.01560	.00853	.00707	-.00744	.03239	-.13562	-.21163	-.11969
-0.001	-.028	1.05043	.01448	.00796	.00652	-.00686	.03023	-.12513	-.20018	-.09075
-0.002	3.956	1.04928	.01111	.00604	.00507	-.00533	.02295	-.09488	-.17457	-.08599
	GRADIENT	-.00017	-.00056	-.00031	-.00025	.00026	-.00118	.00507	.00461	.00421

RUN NO. 1601/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.993	-8.068	1.04843	.01928	.01065	.00863	-.00908	.04044	-.16777	-.21483	-.10337
4.002	-3.997	1.05037	.01706	.00938	.00768	-.00808	.03563	-.14695	-.18869	-.07788
4.004	.016	1.05178	.01607	.00884	.00723	-.00760	.03359	-.13860	-.18301	-.07165
4.009	4.050	1.04917	.01270	.00705	.00564	-.00594	.02679	-.11018	-.18016	-.06174
	GRADIENT	-.00015	-.00054	-.00029	-.00025	.00027	-.00110	.00457	.00106	.00201

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC00B3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1603/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.000	-8.056	1.09785	.02455	.01356	.01099	-.01157	.05150	-.21410	-.26138	-.19145
-4.001	-4.066	1.10133	.02039	.01129	.00909	-.00957	.04289	-.17867	-.23152	-.16702
-3.996	.014	1.10047	.01856	.01028	.00828	-.00872	.03905	-.16226	-.22554	-.14178
-4.003	4.049	1.09999	.01709	.00933	.00776	-.00816	.03543	-.14599	-.23291	-.10537
	GRADIENT	-.00017	-.00041	-.00024	-.00016	.00017	-.00092	.00403	-.00017	.00759

RUN NO. 1604/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.002	-8.082	1.09873	.02047	.01119	.00928	-.00976	.04251	-.17926	-.25077	-.19329
-.001	-3.997	1.10181	.01793	.00972	.00822	-.00864	.03691	-.15495	-.23468	-.14773
-.001	-.045	1.10091	.01758	.00949	.00809	-.00850	.03605	-.14968	-.23088	-.12069
-.002	3.955	1.09950	.01649	.00881	.00767	-.00806	.03348	-.13904	-.22388	-.11580
	GRADIENT	-.00029	-.00018	-.00011	-.00007	.00007	-.00043	.00200	.00136	.00401

RUN NO. 1605/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.996	-8.060	1.09631	.02586	.01398	.01189	-.01250	.05310	-.22059	-.25864	-.14935
4.000	-3.990	1.10231	.02115	.01140	.00974	-.01024	.04332	-.17905	-.22951	-.11015
4.000	.024	1.10085	.01945	.01045	.00900	-.00946	.03970	-.16408	-.22448	-.09756
3.999	4.019	1.09981	.01734	.00937	.00796	-.00837	.03560	-.14740	-.23175	-.10393
	GRADIENT	-.00031	-.00048	-.00025	-.00022	.00023	-.00096	.00395	-.00028	.00078

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC00B4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1606/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.999	-8.048	1.15214	.01814	.01011	.00804	-.00846	.03839	-.15936	-.20396	-.13151
-4.000	-4.079	1.15155	.01558	.00869	.00689	-.00725	.03303	-.13720	-.18456	-.11286
-4.001	.018	1.15074	.01410	.00782	.00628	-.00661	.02970	-.12314	-.18093	-.08961
-4.003	4.038	1.14992	.01270	.00702	.00569	-.00598	.02666	-.10964	-.18697	-.06324
	GRADIENT	-.00020	-.00035	-.00021	-.00015	.00016	-.00078	.00340	-.00029	.00611

RUN NO. 1607/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.002	-8.102	1.14908	.01529	.00839	.00690	-.00726	.03187	-.13459	-.20075	-.13994
-.001	-4.085	1.15101	.01350	.00734	.00616	-.00648	.02786	-.11686	-.19187	-.10101
-.001	-.038	1.15085	.01295	.00697	.00598	-.00629	.02646	-.10965	-.19029	-.07514
-.002	3.990	1.14989	.01191	.00637	.00554	-.00582	.02420	-.10015	-.18119	-.07544
	GRADIENT	-.00014	-.00020	-.00012	-.00008	.00008	-.00045	.00207	.00132	.00317

RUN NO. 1608/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.995	-8.046	1.14840	.01887	.01023	.00864	-.00908	.03885	-.16107	-.19901	-.09202
3.997	-4.067	1.15055	.01634	.00882	.00752	-.00790	.03351	-.13810	-.18191	-.05892
4.000	.018	1.15058	.01504	.00809	.00695	-.00731	.03072	-.12679	-.17597	-.04811
4.008	4.068	1.15025	.01306	.00706	.00599	-.00630	.02683	-.11028	-.18534	-.05841
	GRADIENT	-.00004	-.00040	-.00022	-.00019	.00020	-.00082	.00342	-.00042	.00007

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC00B5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1609/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.998	-8.030	1.24963	.01725	.00962	.00763	-.00803	.03656	-.15234	-.20233	-.12960
-4.000	-4.081	1.25012	.01523	.00845	.00678	-.00714	.03208	-.13287	-.18046	-.09483
-4.001	.017	1.24986	.01386	.00763	.00624	-.00656	.02898	-.11980	-.18175	-.06563
-4.002	4.063	1.24980	.01233	.00670	.00563	-.00592	.02544	-.10548	-.18712	-.04326
	GRADIENT	-.00004	-.00036	-.00021	-.00014	.00015	-.00082	.00336	-.00082	.00633

RUN NO. 1610/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-8.102	1.24917	.01434	.00786	.00647	-.00681	.02986	-.12636	-.19782	-.14339
-.001	-4.077	1.25054	.01325	.00719	.00606	-.00637	.02732	-.11465	-.18406	-.09770
-.001	.024	1.25039	.01282	.00687	.00596	-.00626	.02609	-.10833	-.18363	-.06196
.001	3.962	1.24951	.01216	.00649	.00566	-.00595	.02466	-.10202	-.18083	-.06451
	GRADIENT	-.00013	-.00014	-.00009	-.00005	.00005	-.00033	.00157	-.00040	.00416

RUN NO. 1611/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.997	-8.025	1.24927	.01828	.00998	.00830	-.00873	.03789	-.15769	-.19424	-.09066
3.998	-4.094	1.25036	.01637	.00889	.00748	-.00787	.03376	-.13931	-.17897	-.06155
4.000	.024	1.25010	.01470	.00790	.00680	-.00715	.03002	-.12398	-.17561	-.04983
4.006	4.076	1.24986	.01293	.00691	.00602	-.00633	.02623	-.10801	-.18263	-.05461
	GRADIENT	-.00006	-.00042	-.00024	-.00018	.00019	-.00092	.00383	-.00045	.00085

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC00B6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1654/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.999	-8.024	1.24929	.00705	.00406	.00299	-.00315	.01543	-.06294	-.10790	-.01899
-4.002	-4.095	1.25022	.00578	.00317	.00261	-.00275	.01204	-.04843	-.09305	.01473
-3.995	.013	1.24988	.00483	.00240	.00243	-.00255	.00910	-.03638	-.09697	.05548
-3.997	4.054	1.24978	.00392	.00188	.00204	-.00213	.00714	-.02883	-.10974	.09300
GRADIENT		-.00005	-.00023	-.00016	-.00007	.00008	-.00060	.00241	-.00205	.00961

RUN NO. 1655/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.002	-8.000	1.24962	.00558	.00304	.00254	-.00267	.01156	-.04838	-.10144	-.00954
.001	-4.073	1.24990	.00518	.00266	.00252	-.00265	.01009	-.04194	-.10501	.02185
-.000	-.034	1.25020	.00449	.00225	.00224	-.00234	.00856	-.03523	-.10255	.05973
-.002	3.945	1.24961	.00349	.00171	.00178	-.00187	.00648	-.02656	-.10543	.05760
GRADIENT		-.00004	-.00021	-.00012	-.00009	.00010	-.00045	.00192	-.00005	.00447

RUN NO. 1656/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.997	-8.034	1.24907	.00752	.00411	.00341	-.00359	.01561	-.06387	-.09335	-.00174
4.000	-4.008	1.25008	.00492	.00273	.00219	-.00230	.01036	-.04199	-.09441	.03645
3.994	.016	1.25008	.00456	.00241	.00215	-.00226	.00917	-.03774	-.08459	.04285
4.007	4.082	1.25002	.00427	.00225	.00202	-.00212	.00855	-.03479	-.10421	.04510
GRADIENT		-.00001	-.00008	-.00006	-.00002	.00002	-.00022	.00089	-.00122	.00107

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,3

(TC0087) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.300 IEABOX = 180.000
 IB-ELV = 8.000 OB-ELV = 5.000

RUN NO. 1658/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.000	-8.024	1.29910	.00798	.00454	.00344	-.00362	.01724	-.07065	-.11420	-.02132
-4.000	-4.082	1.30014	.00659	.00363	.00296	-.00312	.01379	-.05590	-.09768	.01142
-3.996	.017	1.29971	.00555	.00278	.00277	-.00290	.01058	-.04228	-.10228	.05047
-3.999	4.030	1.29963	.00464	.00226	.00238	-.00249	.00860	-.03491	-.11839	.08425
	GRADIENT	-.00006	-.00024	-.00017	-.00007	.00008	-.00064	.00259	-.00255	.00898

RUN NO. 1659/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.002	-7.993	1.30009	.00606	.00328	.00278	-.00293	.01246	-.05178	-.10889	-.01262
.001	-4.064	1.30005	.00592	.00306	.00286	-.00300	.01163	-.04837	-.10857	.02091
-.001	-.062	1.29957	.00535	.00269	.00267	-.00280	.01021	-.04205	-.10908	.05219
-.002	3.945	1.29941	.00413	.00205	.00208	-.00218	.00777	-.03190	-.11239	.04968
	GRADIENT	-.00008	-.00022	-.00013	-.00010	.00010	-.00048	.00206	-.00048	.00359

RUN NO. 1660/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.997	-8.015	1.29915	.00809	.00441	.00367	-.00386	.01676	-.06882	-.09910	-.00610
4.000	-4.014	1.29987	.00659	.00351	.00308	-.00323	.01335	-.05526	-.08230	.02872
3.995	.020	1.30017	.00509	.00270	.00240	-.00252	.01024	-.04245	-.08834	.04180
3.997	4.027	1.30003	.00476	.00248	.00229	-.00240	.00941	-.03841	-.10988	.04162
	GRADIENT	.00002	-.00023	-.00013	-.00010	.00010	-.00049	.00210	-.00343	.00161

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC00B8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1662/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAT CPAS
 -3.996 -7.902 1.34927 .00801 .00453 .00348 .01719 -.07060 -.11196 -.02298
 -4.000 -4.028 1.35009 .00671 .00361 .00310 .01370 -.05531 -.09937 .01199
 -3.999 .019 1.34962 .00567 .00283 .00285 .01074 -.04307 -.10434 .05100
 -4.000 4.043 1.34934 .00473 .00230 .00242 .00875 -.03539 -.11825 .08255
 GRADIENT -.00009 -.00025 -.00016 -.00008 -.00061 .00247 .00234 .00874

RUN NO. 1663/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAT CPAS
 .002 -8.100 1.34967 .00599 .00321 .00278 .01219 -.05048 -.10932 -.01330
 -.001 -4.008 1.35039 .00599 .00306 .00293 .01161 -.04837 -.10643 .03359
 -.001 -.008 1.34983 .00529 .00262 .00267 .00995 -.04093 -.11046 .05295
 -.002 3.947 1.34998 .00450 .00224 .00227 .00850 -.03489 -.11346 .04890
 GRADIENT -.00005 -.00019 -.00010 -.00008 -.00039 .00169 .00088 .00319

RUN NO. 1664/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAT CPAS
 3.998 -8.025 1.34947 .00827 .00446 .00381 .01693 -.06979 -.09749 -.00623
 3.999 -4.010 1.35031 .00666 .00354 .00313 .01344 -.05574 -.08341 .02797
 3.998 .024 1.34994 .00571 .00298 .00273 .01133 -.04692 -.08998 .03778
 3.997 4.030 1.35008 .00502 .00258 .00244 .00256 .00979 -.03986 .03639
 GRADIENT -.00003 -.00020 -.00012 -.00008 -.00045 .00198 .00307 .00105

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TC00B9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1665/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.999	-7.908	1.39934	.00812	.00460	.00352	-.00371	.01747	-.07100	-.11869	-.03018
-3.998	-4.082	1.40011	.00708	.00383	.00325	-.00342	.01455	-.05892	-.09938	.00943
-3.997	.020	1.39960	.00567	.00287	.00281	-.00294	.01089	-.04365	-.10460	.04690
-4.002	4.043	1.40015	.00523	.00259	.00264	-.00276	.00984	-.03969	-.12022	.08002
	GRADIENT	.00000	-.00023	-.00015	-.00008	.00008	-.00058	.00237	-.00256	.00869

RUN NO. 1666/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.002	-8.085	1.40019	.00633	.00341	.00292	-.00307	.01296	-.05350	-.11054	-.01178
.000	-4.076	1.40009	.00649	.00334	.00315	-.00331	.01269	-.05289	-.10728	.02507
-.001	-.007	1.40035	.00579	.00291	.00288	-.00302	.01104	-.04572	-.11310	.05575
-.002	3.958	1.39982	.00514	.00259	.00256	-.00268	.00983	-.04023	-.11670	.05369
	GRADIENT	-.00003	-.00017	-.00009	-.00007	.00008	-.00036	.00158	-.00117	.00358

RUN NO. 1667/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.995	-8.035	1.39995	.00814	.00444	.00370	-.00389	.01687	-.06945	-.09764	-.01137
3.997	-4.005	1.39998	.00693	.00371	.00323	-.00339	.01407	-.05833	-.08494	.02624
3.996	.026	1.39995	.00571	.00301	.00270	-.00284	.01142	-.04741	-.09105	.03798
4.000	4.038	1.40014	.00533	.00275	.00258	-.00271	.01045	-.04277	-.11099	.03497
	GRADIENT	.00002	-.00020	-.00012	-.00008	.00009	-.00045	.00194	-.00324	.00109

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3

(TCDOCO) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 8.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1669/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.051	-8.110	1.54951	.00661	.00373	.00288	-.00303	.01417	-.05883	-.11645	-.04203
-4.075	-4.155	1.54895	.00708	.00375	.00333	-.00350	.01425	-.05747	-.10210	.00867
-4.096	.021	1.54913	.00543	.00273	.00270	-.00283	.01038	-.04138	-.10739	.02919
-4.069	4.094	1.54862	.00535	.00264	.00271	-.00284	.01003	-.04000	-.11990	.07462
	GRADIENT	-.00004	-.00021	-.00014	-.00008	.00008	-.00051	.00212	-.00215	.00798

RUN NO. 1670/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-0.002	-7.880	1.54922	.00671	.00361	.00310	-.00326	.01373	-.05683	-.11363	-.02014
.001	-3.973	1.54934	.00645	.00331	.00315	-.00330	.01256	-.05215	-.10405	.02506
-.000	.057	1.54957	.00599	.00302	.00296	-.00311	.01149	-.04748	-.11138	.04681
-.001	4.055	1.54854	.00562	.00281	.00281	-.00295	.01068	-.04343	-.11347	.05836
	GRADIENT	-.00010	-.00010	-.00006	-.00004	.00004	-.00023	.00109	-.00117	.00415

RUN NO. 1671/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.048	-8.120	1.54847	.00722	.00394	.00329	-.00346	.01495	-.06193	-.09913	-.01276
4.072	-4.069	1.54899	.00651	.00351	.00300	-.00315	.01334	-.05536	-.08384	.01955
4.096	.015	1.54953	.00553	.00296	.00258	-.00271	.01123	-.04658	-.08799	.03528
4.069	4.101	1.54814	.00585	.00311	.00274	-.00288	.01180	-.04857	-.12023	.02598
	GRADIENT	-.00010	-.00008	-.00005	-.00003	.00003	-.00019	.00083	-.00445	.00079

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,2

(TC00C1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = 999.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1477/ 0 RN/L = 2.51 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.002	-7.993	.60094	.01817	.01060	.00757	-.00798	.04028	-.17351	-.24238	-.19370
-4.003	-3.942	.60092	.01588	.00930	.00658	-.00695	.03532	-.15168	-.21915	-.19030
-4.010	.133	.60139	.01363	.00818	.00545	-.00576	.03106	-.13279	-.21054	-.17415
-4.008	3.966	.59983	.01219	.00759	.00460	-.00487	.02884	-.12447	-.19252	-.15676
	GRADIENT	-.00014	-.00047	-.00022	-.00025	-.00026	-.00082	.00345	.00335	.00424

RUN NO. 1478/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.000	-7.941	.59914	.01546	.00923	.00623	-.00659	.03506	-.15156	-.23995	-.21275
-.002	-3.933	.59975	.01242	.00752	.00491	-.00519	.02855	-.12419	-.21586	-.17585
-.003	.066	.60061	.01036	.00527	.00409	-.00433	.02382	-.10445	-.20402	-.15713
-.003	4.031	.60002	.00875	.00554	.00321	-.00340	.02104	-.09023	-.19117	-.13950
	GRADIENT	.00003	-.00046	-.00025	-.00021	-.00022	-.00094	.00426	.00310	.00456

RUN NO. 1479/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.995	-8.026	.59951	.01732	.01018	.00714	-.00753	.03868	-.16851	-.24494	-.15996
3.991	-3.987	.60116	.01494	.00894	.00600	-.00634	.03397	-.14736	-.21926	-.13719
3.984	-.017	.60023	.01272	.00765	.00507	-.00536	.02907	-.12577	-.20996	-.13136
3.989	3.996	.59938	.01065	.00634	.00431	-.00455	.02408	-.10430	-.19869	-.13510
	GRADIENT	-.00022	-.00054	-.00033	-.00021	-.00022	-.00124	.00539	.00258	.00026

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC00C2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = 999.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1481/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -7.987 MACH .89870 CNB .01836 CNBO .01037 CLMB -.00841 CAB .03940 CPAO -.16610 CPAT -.22542 CPAS -.15408
 -4.010 -3.864 .90090 .01429 .00813 .00617 .00650 .03088 -.13033 -.19821 -.13380
 -4.002 .109 .90022 .01203 .00691 .00512 .00540 .02625 -.11166 -.18372 -.11784
 -4.006 4.139 .89973 .01016 .00615 .00401 .00424 .02337 -.10001 -.16200 -.11605
 GRADIENT -.00015 -.00052 -.00025 -.00027 -.00028 -.00094 -.00379 .00453 .00221

RUN NO. 1482/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -7.890 MACH .89961 CNB .01465 CNBO .00851 CLMB -.00647 CAB .03233 CPAO -.13872 CPAT -.22188 CPAS -.14649
 - .004 -3.896 .89980 .01190 .00691 .00499 .00526 .02625 -.11308 -.19414 -.11479
 - .003 -.025 .90000 .01009 .00578 .00430 .00454 .02197 -.09593 -.17546 -.09270
 - .006 3.958 .89965 .00798 .00454 .00343 .00362 .01726 -.07691 -.16051 -.10006
 GRADIENT -.00002 -.00050 -.00030 -.00020 -.00021 -.00114 .00461 .00428 .00186

RUN NO. 1483/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 ALPHA -7.951 MACH .89942 CNB .01789 CNBO .01034 CLMB -.00797 CAB .03927 CPAO -.16663 CPAT -.22927 CPAS -.11080
 3.986 -4.007 .90046 .01419 .00835 .00585 .00617 .03171 -.13432 -.20378 -.09280
 3.974 .059 .90005 .01184 .00699 .00485 .00512 .02657 -.11314 -.18881 -.09295
 3.994 3.987 .89990 .01012 .00593 .00419 .00442 .02253 -.09625 -.16877 -.09921
 GRADIENT -.00007 -.00051 -.00030 -.00021 -.00022 -.00115 .00476 .00438 .00080

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC00C3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.100 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1484/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.000	-8.026	1.09607	.02515	.01393	.01122	-.01181	.05292	-.21996	-.27312	-.18468
-4.014	-3.877	1.10072	.02103	.01164	.00940	-.00989	.04420	-.18414	-.24411	-.16346
-4.012	.095	1.10138	.01946	.01076	.00870	-.00916	.04086	-.17024	-.24019	-.14120
-3.988	4.089	1.09933	.01823	.01001	.00823	-.00866	.03800	-.15678	-.24212	-.11540
	GRADIENT	-.00017	-.00035	-.00020	-.00015	.00015	-.00078	.00344	.00025	.00603

RUN NO. 1485/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-0.001	-8.035	1.09775	.02141	.01168	.00973	-.01023	.04438	-.18713	-.26270	-.19573
-0.003	-4.041	1.10138	.01899	.01031	.00868	-.00912	.03917	-.16459	-.24533	-.15115
-0.004	-.034	1.10105	.01850	.01002	.00847	-.00891	.03807	-.15823	-.24479	-.12758
-0.004	3.957	1.10022	.01723	.00927	.00796	-.00837	.03520	-.14638	-.23283	-.12766
	GRADIENT	-.00014	-.00022	-.00013	-.00009	.00009	-.00050	.00228	.00156	.00294

RUN NO. 1486/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.994	-7.989	1.09737	.02640	.01430	.01210	-.01272	.05432	-.22598	-.26248	-.14919
3.993	-3.979	1.10115	.02194	.01187	.01007	-.01059	.04508	-.18645	-.24064	-.10984
3.985	.035	1.10121	.02016	.01086	.00930	-.00977	.04126	-.17071	-.23536	-.10135
3.995	4.049	1.09989	.01849	.01001	.00848	-.00891	.03803	-.15744	-.24104	-.11413
	GRADIENT	-.00016	-.00043	-.00023	-.00020	.00021	-.00088	.00361	-.00005	-.00053

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC00C4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = 999.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
- .003	-1.075	1.14977	.01379	.00741	.00639	-.00671	.02814	.00000	.00000	.00000
-4.002	-8.008	1.14530	.01902	.01060	.00842	-.00887	.04026	-.16724	-.21785	-.12894
-4.021	-3.846	1.15049	.01602	.00892	.00710	-.00747	.03389	-.14089	-.19752	-.11086
-4.003	.112	1.15104	.01491	.00823	.00668	-.00703	.03126	-.13015	-.19700	-.08297
-4.008	4.185	1.14981	.01387	.00768	.00619	-.00651	.02919	-.12043	-.19824	-.06578
GRADIENT		-.00008	-.00027	-.00015	-.00011	.00012	-.00059	.00255	-.00009	.00561

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
- .001	-8.008	1.14795	.01585	.00867	.00718	-.00756	.03292	-.13905	-.21036	-.14181
- .001	-4.042	1.15067	.01423	.00771	.00652	-.00686	.02928	-.12277	-.20056	-.09854
- .005	-.017	1.15069	.01395	.00750	.00646	-.00679	.02847	-.11804	-.20376	-.07596
- .005	4.081	1.14985	.01270	.00681	.00589	-.00619	.02586	-.10734	-.19093	-.09084
GRADIENT		-.00010	-.00019	-.00011	-.00008	.00008	-.00042	.00190	.00119	.00093

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.993	-8.052	1.14749	.01974	.01067	.00907	-.00954	.04051	-.16807	-.20748	-.09426
3.990	-3.976	1.15045	.01687	.00911	.00776	-.00816	.03460	-.14280	-.19219	-.05919
3.989	.032	1.15068	.01569	.00840	.00728	-.00766	.03191	-.13178	-.18854	-.05153
3.994	4.066	1.15017	.01410	.00758	.00653	-.00686	.02878	-.11812	-.19309	-.06791
GRADIENT		-.00004	-.00034	-.00019	-.00015	.00016	-.00072	.00307	-.00011	-.00109

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(TC00C5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1491/ O RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.005	-7.877	1.24839	.01751	.00977	.00774	-.00815	.03710	-.15450	-.20906	-.12048
-4.020	-3.828	1.25063	.01544	.00848	.00695	-.00731	.03222	-.13390	-.19074	-.09374
-4.009	.156	1.25056	.01426	.00783	.00644	-.00677	.02973	-.12333	-.19437	-.07288
-3.992	4.119	1.25002	.01283	.00700	.00584	-.00614	.02657	-.11041	-.19299	-.05163
	GRADIENT	-.00008	-.00033	-.00019	-.00014	.00015	-.00071	.00296	-.00028	.00530

RUN NO. 1492/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.001	-8.025	1.24899	.01474	.00803	.00671	-.00705	.03051	-.12905	-.20615	-.14503
-.003	-5.125	1.25008	.01403	.00761	.00642	-.00675	.02890	-.12151	-.19327	-.10950
-.003	-4.035	1.25018	.01374	.00742	.00632	-.00664	.02820	-.11814	-.19049	-.09461
-.005	.010	1.25003	.01347	.00720	.00627	-.00659	.02735	-.11333	-.19235	-.06741
	GRADIENT	-.00004	-.00007	-.00006	-.00001	.00001	-.00021	.00119	-.00046	.00672

RUN NO. 1493/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.991	-8.076	1.24901	.01894	.01027	.00867	-.00912	.03901	-.16253	-.20122	-.09268
3.994	-3.974	1.25019	.01688	.00911	.00777	-.00817	.03460	-.14298	-.18576	-.05985
3.994	.044	1.25023	.01532	.00822	.00710	-.00747	.03120	-.12888	-.18622	-.05405
4.000	4.097	1.24983	.01369	.00727	.00642	-.00674	.02762	-.11386	-.19077	-.06250
	GRADIENT	-.00005	-.00039	-.00023	-.00017	.00018	-.00086	.00361	-.00062	-.00033

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,3 (TC00C6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = 999.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1501/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.004	-7.871	1.24879	.00716	.00410	.00305	-.00322	.01559	-.06389	-.11464	-.01427
-4.019	-3.829	1.25046	.00589	.00317	.00272	-.00286	.01202	-.04875	-.09792	.01680
-4.008	.154	1.25006	.00503	.00253	.00251	-.00263	.00959	-.03897	-.10874	.05481
-3.990	4.108	1.24964	.00422	.00208	.00214	-.00224	.00791	-.03251	-.11729	.08653
	GRADIENT	-.00010	-.00021	-.00014	-.00007	.00008	-.00052	.00205	-.00244	.00879

RUN NO. 1502/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.000	-8.015	1.24890	.00586	.00315	.00272	-.00285	.01195	-.04971	-.10756	-.01499
-.002	-5.122	1.25039	.00545	.00282	.00263	-.00276	.01072	-.04468	-.10640	.00879
-.002	-4.023	1.25016	.00536	.00272	.00264	-.00277	.01035	-.04303	-.10484	.02274
-.003	.008	1.25006	.00504	.00250	.00253	-.00266	.00951	-.03907	-.10393	.05471
	GRADIENT	-.00002	-.00008	-.00005	-.00003	.00003	-.00021	.00098	-.00023	.00793

RUN NO. 1503/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.986	-8.066	1.24898	.00830	.00443	.00387	-.00407	.01684	-.06864	-.09571	-.00559
3.994	-3.964	1.25039	.00637	.00335	.00302	-.00317	.01272	-.05220	-.08449	.02941
3.989	.048	1.25020	.00499	.00261	.00238	-.00250	.00991	-.04085	-.09141	.04140
4.000	4.094	1.24974	.00478	.00244	.00233	-.00245	.00928	-.03768	-.11124	.03774
	GRADIENT	-.00008	-.00020	-.00011	-.00008	.00009	-.00043	.00180	-.00332	.00103

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3

(TC00C7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = 999.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1505/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.005	-7.914	1.29910	.00812	.00460	.00352	-.00371	.01748	-.07166	-.12051	-.01899
-4.021	-3.833	1.29985	.00676	.00361	.00315	-.00331	.01371	-.05580	-.10396	-.01385
-4.007	.117	1.30036	.00557	.00281	.00276	-.00289	.01068	-.04338	-.11173	.05307
-3.990	4.110	1.29976	.00498	.00249	.00250	-.00262	.00945	-.03907	-.12388	.08152
	GRADIENT	-.00001	-.00022	-.00014	-.00008	.00009	-.00054	.00210	-.00251	.00852

RUN NO. 1506/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.000	-8.040	1.29929	.00647	.00347	.00300	-.00315	.01319	-.05476	-.11379	-.01617
-.002	-4.007	1.30018	.00618	.00314	.00304	-.00318	.01194	-.04985	-.11075	.02107
-.004	.021	1.30015	.00595	.00297	.00298	-.00313	.01128	-.04658	-.11143	.05165
-.004	3.995	1.29944	.00468	.00235	.00234	-.00245	.00892	-.03670	-.11990	.04244
	GRADIENT	-.00009	-.00019	-.00010	-.00009	.00009	-.00038	.00164	-.00114	.00268

RUN NO. 1507/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.994	-8.049	1.29904	.00912	.00490	.00422	-.00443	.01861	-.07634	-.10286	-.00846
3.991	-3.984	1.30020	.00720	.00379	.00341	-.00358	.01441	-.05957	-.08882	.02764
3.991	.056	1.30033	.00564	.00294	.00269	-.00283	.01117	-.04633	-.09510	.04157
3.998	4.091	1.29978	.00554	.00280	.00273	-.00286	.01065	-.04312	-.11808	.03497
	GRADIENT	-.00005	-.00021	-.00012	-.00008	.00009	-.00047	.00204	-.00362	.00091

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.3 (TC00C8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = 999.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.995	-7.854	1.34949	.00845	.00475	.00370	-.00390	.01804	-.07416	-.11774	-.01880
-4.018	-3.811	1.35039	.00707	.00377	.00330	-.00347	.01430	-.05831	-.10238	.01632
-4.004	.128	1.35019	.00626	.00317	.00310	-.00325	.01202	-.04866	-.11160	.05046
-4.001	4.202	1.34965	.00558	.00280	.00278	-.00292	.01062	-.04370	-.12498	.07773
	GRADIENT	-.00009	-.00019	-.00012	-.00006	.00007	-.00046	.00182	-.00282	.00766

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-0.000	-8.031	1.34904	.00675	.00362	.00313	-.00329	.01375	-.05686	-.11840	-.01751
-0.002	-4.000	1.34993	.00660	.00336	.00325	-.00341	.01274	-.05306	-.10931	.02250
-0.004	.015	1.34993	.00619	.00308	.00311	-.00326	.01171	-.04822	-.11423	.05260
-0.004	3.993	1.34910	.00514	.00258	.00256	-.00268	.00980	-.04032	-.12132	.04205
	GRADIENT	-.00010	-.00018	-.00010	-.00009	.00009	-.00037	.00159	-.00150	.00245

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.993	-8.050	1.34912	.00898	.00492	.00406	-.00427	.01867	-.07685	-.11281	-.00809
3.996	-4.042	1.35026	.00777	.00409	.00368	-.00387	.01553	-.06427	-.09129	.02559
3.989	.056	1.34977	.00649	.00340	.00309	-.00325	.01292	-.05361	-.09683	.03660
3.999	4.087	1.35056	.00578	.00295	.00282	-.00296	.01121	-.04549	-.11591	.03167
	GRADIENT	.00004	-.00025	-.00014	-.00011	.00011	-.00053	.00231	-.00302	.00075

RUN NO. 1508/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 RUN NO. 1509/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
 RUN NO. 1510/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,3

(TC00C9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.400 IEABOX = 999.000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1512/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.995	-7.861	1.39965	.00845	.00472	.00373	-.00393	.01794	-.07390	-.12330	-.01981
-4.021	-3.816	1.40070	.00701	.00375	.00327	-.00343	.01423	-.05800	-.10395	.01415
-4.001	.119	1.40036	.00642	.00326	.00316	-.00331	.01240	-.05013	-.11417	.04768
-3.992	4.109	1.39957	.00600	.00304	.00297	-.00311	.01154	-.04720	-.12755	.07172
	GRADIENT	-.00014	-.00013	-.00009	-.00004	.00004	-.00034	.00136	-.00298	.00726

RUN NO. 1513/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.001	-8.015	1.39954	.00693	.00371	.00322	-.00338	.01410	-.05822	-.12233	-.01364
-.001	-4.004	1.40014	.00708	.00363	.00345	-.00362	.01379	-.05739	-.11065	.02629
-.005	.018	1.40001	.00667	.00335	.00332	-.00348	.01273	-.05246	-.11843	.05472
-.004	3.996	1.39942	.00570	.00287	.00282	-.00296	.01091	-.04465	-.12257	.04832
	GRADIENT	-.00009	-.00017	-.00009	-.00008	.00008	-.00036	.00159	-.00149	.00276

RUN NO. 1514/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.987	-8.061	1.39940	.00866	.00485	.00381	-.00402	.01841	-.07598	-.11931	-.00957
4.003	-3.974	1.40056	.00780	.00416	.00364	-.00383	.01579	-.06544	-.09148	.02572
3.997	.070	1.39980	.00643	.00337	.00306	-.00321	.01281	-.05308	-.09836	.03587
3.997	4.075	1.40025	.00608	.00314	.00294	-.00309	.01193	-.04868	-.11881	.03088
	GRADIENT	-.00004	-.00021	-.00013	-.00009	.00009	-.00048	.00208	-.00339	.00064

IA613A(AEDC 16TF-829) B/L 0T + ASRM+PLUMES S1,3

(TC0000) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = 999.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1515/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.950	-7.869	1.54814	.00765	.00429	.00336	-.00354	.01630	-.06765	-.13042	-.03444
-3.932	-3.768	1.54965	.00720	.00378	.00342	-.00359	.01438	-.05891	-.11393	.01463
-3.906	.122	1.55050	.00660	.00343	.00317	-.00333	.01303	-.05287	-.11463	.04027
-3.908	4.054	1.54944	.00619	.00314	.00305	-.00320	.01194	-.04798	-.12431	.06462
	GRADIENT	-.00003	-.00013	-.00008	-.00005	.00005	-.00031	.00140	-.00133	.00639

RUN NO. 1516/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.000	-7.941	1.54847	.00714	.00387	.00328	-.00344	.01469	-.06074	-.12778	-.02135
-.002	-3.904	1.55005	.00724	.00373	.00352	-.00369	.01416	-.05866	-.11124	.02252
-.003	.114	1.54974	.00737	.00374	.00363	-.00381	.01419	-.05825	-.12279	.04373
-.006	4.096	1.54728	.00629	.00318	.00310	-.00325	.01209	-.04925	-.11644	.05250
	GRADIENT	-.00035	-.00012	-.00007	-.00005	.00005	-.00026	.00117	-.00065	.00375

RUN NO. 1517/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.036	-8.158	1.54800	.00817	.00450	.00367	-.00386	.01709	-.07090	-.11344	-.01115
4.063	-4.060	1.54934	.00786	.00423	.00362	-.00381	.01609	-.06692	-.09171	.01875
4.099	.059	1.54965	.00676	.00362	.00314	-.00330	.01376	-.05694	-.09614	.03503
4.066	4.140	1.54923	.00662	.00348	.00315	-.00331	.01320	-.05411	-.12704	.02241
	GRADIENT	-.00001	-.00015	-.00009	-.00006	.00006	-.00035	.00156	-.00430	.00045

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2 (TC00D1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1720/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.001	-8.095	.59982	.01790	.01063	.00727	-.00768	.04036	-.17387	-.23827	-.20280
-4.000	-4.003	.60092	.01533	.00908	.00625	-.00560	.03449	-.14822	-.21210	-.17705
-4.001	-.006	.60068	.01258	.00764	.00494	-.00523	.02900	-.12464	-.20019	-.16688
-4.003	3.976	.59947	.01047	.00641	.00406	-.00430	.02435	-.10498	-.18633	-.13964
	GRADIENT	-.00018	-.00061	-.00033	-.00027	.00029	-.00127	.00542	.00323	.00469

RUN NO. 1721/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.013	.59905	.01460	.00877	.00583	-.00617	.03331	-.14373	-.22570	-.20956
.001	-3.930	.60059	.01222	.00738	.00484	-.00512	.02805	-.12186	-.20566	-.16498
.001	-.002	.60120	.01004	.00614	.00389	-.00412	.02334	-.10181	-.19163	-.14313
-.000	4.066	.60024	.00871	.00535	.00336	-.00356	.02034	-.08782	-.17588	-.12741
	GRADIENT	-.00004	-.00044	-.00025	-.00018	.00019	-.00096	.00425	.00373	.00469

RUN NO. 1722/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
4.000	-8.092	.59864	.01798	.01052	.00747	-.00788	.03995	-.17425	-.23606	-.15853
3.996	-4.023	.60076	.01543	.00918	.00625	-.00661	.03487	-.15092	-.21131	-.13812
3.995	-.010	.60109	.01294	.00774	.00521	-.00550	.02939	-.12656	-.19794	-.13017
3.999	3.968	.60071	.01043	.00622	.00421	-.00445	.02363	-.10255	-.18082	-.12625
	GRADIENT	-.00001	-.00063	-.00037	-.00026	.00027	-.00141	.00605	.00381	.00149

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2 (TC00D2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = .800 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1724/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAS
-4.002 -8.097 .79825 .01809 .01049 .00761 -.00803 .03983 -.22094 -.17232
-3.999 -4.009 .80030 .01451 .00858 .00593 -.00626 .03260 -.19792 -.14678
-3.992 -3.992 .80010 .01174 .00697 .00476 -.00503 .02649 -.18559 -.13610
-4.005 3.929 .79984 .00969 .00585 .00384 -.00406 .02222 -.16817 -.11776
GRADIENT -.00006 -.00061 -.00034 -.00026 -.00131 .00545 .00375 .00366

RUN NO. 1725/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAS
.003 -8.046 .80001 .01404 .00834 .00569 -.00601 .03169 -.21485 -.17135
.002 -4.008 .80042 .01183 .00702 .00481 -.00508 .02666 -.19466 -.13384
.001 -.015 .79953 .00998 .00595 .00403 -.00426 .02259 -.18000 -.11216
.000 4.075 .79937 .00807 .00487 .00319 .00337 .01851 -.16093 -.10657
GRADIENT -.00013 -.00047 -.00027 -.00020 -.00101 .00440 .00418 .00337

RUN NO. 1726/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00
BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAS
3.999 -7.996 .79894 .01822 .01075 .00747 -.00789 .04081 -.21992 -.11848
4.001 -4.046 .80054 .01500 .00892 .00608 -.00642 .03387 -.20075 -.10751
3.991 -.059 .80067 .01229 .00738 .00492 -.00520 .02802 -.18752 -.10278
4.005 3.909 .79964 .01007 .00606 .00401 -.00424 .02302 -.16267 -.09782
GRADIENT -.00011 -.00062 -.00036 -.00026 -.00136 .00566 .00479 .00122

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2 (TC00D3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1727/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.000	-7.978	.89972	.01761	.01008	.00753	-.00794	.03828	-.16181	-.21646	-.15149
-3.999	-4.072	.90030	.01376	.00806	.00570	-.00602	.03060	-.12926	-.19038	-.12692
-3.991	-.008	.90020	.01097	.00643	.00454	-.00479	.02442	-.10370	-.17289	-.11043
-3.997	3.991	.89994	.00896	.00536	.00361	-.00381	.02035	-.08656	-.15501	-.09548
	GRADIENT	-.00004	-.00060	-.00034	-.00026	-.00027	-.00127	.00530	.00439	.00390

RUN NO. 1728/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.004	-8.052	.90002	.01409	.00824	.00585	-.00618	.03129	-.13348	-.21417	-.15791
.003	-4.055	.90042	.01106	.00647	.00459	-.00484	.02458	-.10544	-.18649	-.11456
.002	-.028	.89989	.00909	.00526	.00384	-.00405	.01996	-.08659	-.16584	-.08364
.001	3.958	.89956	.00702	.00400	.00302	-.00318	.01519	-.06795	-.14911	-.08944
	GRADIENT	-.00011	-.00050	-.00031	-.00020	-.00021	-.00117	.00468	.00466	.00314

RUN NO. 1729/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.001	-7.958	.89999	.01806	.01054	.00752	-.00794	.04004	-.16894	-.21243	-.10428
4.002	-4.055	.90005	.01430	.00844	.00586	-.00619	.03206	-.13480	-.19190	-.09193
3.996	.008	.90093	.01119	.00665	.00454	-.00480	.02527	-.10723	-.17231	-.08756
3.997	3.996	.89982	.00920	.00547	.00373	-.00394	.02078	-.08863	-.15265	-.08818
	GRADIENT	-.00003	-.00063	-.00037	-.00027	-.00028	-.00140	.00574	.00488	.00047

IA613A(AEDC 16TF-829) QT (MIRROR) + ASRM + S1,2 (TCOOD4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1730/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.000	-8.094	.94911	.01628	.00931	.00697	-.00734	.03536	-.14807	-.20496	-.13184
-4.002	-4.078	.95033	.01249	.00716	.00533	-.00562	.02721	-.11380	-.18116	-.11015
-3.994	.033	.95112	.00991	.00564	.00427	-.00450	.02143	-.09013	-.16849	-.09440
-3.998	3.993	.94913	.00816	.00461	.00355	-.00374	.01751	-.07495	-.15457	-.07917
	GRADIENT	-.00015	-.00054	-.00032	-.00022	.00023	-.00120	.00482	.00329	.00384

RUN NO. 1731/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.003	-8.058	.95008	.01368	.00783	.00584	-.00616	.02975	-.12740	-.20231	-.13670
.002	-4.047	.95023	.01008	.00582	.00425	-.00449	.02211	-.09435	-.17568	-.09556
.001	-.021	.94975	.00795	.00443	.00352	-.00371	.01683	-.07246	-.15998	-.07145
.000	3.976	.94891	.00552	.00302	.00250	-.00263	.01149	-.05145	-.13589	-.07290
	GRADIENT	-.00016	-.00057	-.00035	-.00022	.00023	-.00132	.00535	.00496	.00283

RUN NO. 1732/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.997	-7.943	.95005	.01723	.00993	.00729	-.00769	.03773	-.15849	-.20240	-.09541
4.000	-4.054	.95032	.01387	.00804	.00583	-.00615	.03055	-.12666	-.18189	-.07947
3.989	.042	.95009	.01066	.00618	.00448	-.00472	.02348	-.09804	-.16783	-.06805
4.001	3.987	.94874	.00780	.00433	.00347	-.00365	.01646	-.07025	-.14673	-.07032
	GRADIENT	-.00020	-.00075	-.00046	-.00029	.00031	-.00175	.00702	.00437	.00115

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2 (TC00D5) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1733/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.005	-8.101	1.05037	.01913	.01072	.00841	-.00885	.04072	-.16909	-.21197	-.12288
-4.002	-4.018	1.04856	.01637	.00915	.00722	-.00761	.03476	-.14444	-.19634	-.10710
-3.998	.020	1.05056	.01509	.00841	.00668	-.00703	.03194	-.13265	-.18816	-.07895
-3.997	4.004	1.05004	.01301	.00718	.00583	-.00614	.02728	-.11171	-.17646	-.05952
	GRADIENT	.00019	-.00042	-.00025	-.00017	.00018	-.00093	.00408	.00248	.00593

RUN NO. 1734/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.004	-8.020	1.04975	.01642	.00903	.00739	-.00778	.03429	-.14392	-.21848	-.12852
.002	-4.045	1.05192	.01579	.00859	.00720	-.00757	.03264	-.13634	-.20943	-.09781
.001	-.005	1.05087	.01456	.00794	.00663	-.00697	.03015	-.12450	-.19765	-.07576
-.000	3.967	1.04964	.01094	.00588	.00506	-.00532	.02232	-.09222	-.17541	-.06697
	GRADIENT	-.00028	-.00061	-.00034	-.00027	.00028	-.00129	.00550	.00424	.00385

RUN NO. 1735/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.000	-8.034	1.04953	.01955	.01077	.00878	-.00924	.04091	-.16947	-.21813	-.09792
3.998	-4.011	1.05084	.01600	.00885	.00715	-.00753	.03360	-.13911	-.20369	-.06571
4.004	.015	1.05052	.01516	.00835	.00682	-.00717	.03170	-.13074	-.18088	-.05224
4.001	4.010	1.04994	.01291	.00717	.00574	-.00604	.02725	-.11189	-.17220	-.04607
	GRADIENT	-.00011	-.00038	-.00021	-.00018	.00019	-.00079	.00339	.00393	.00245

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2 (TC00D6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.998	-8.063	1.09762	.02334	.01293	.01040	-.01095	.04913	-.20418	-.25985	-.17737
-4.001	-4.091	1.10122	.01975	.01089	.00886	-.00932	.04137	-.17221	-.22997	-.14627
-4.000	.009	1.10058	.01846	.01008	.00837	-.00881	.03829	-.15959	-.22794	-.12259
-3.999	4.002	1.09949	.01710	.00927	.00783	-.00823	.03521	-.14560	-.22920	-.10620
	GRADIENT	-.00021	-.00033	-.00020	-.00013	.00013	-.00076	.00329	.00010	.00495

RUN NO. 1737/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.004	-8.092	1.09922	.02048	.01115	.00933	-.00981	.04235	-.17847	-.25077	-.17233
.003	-4.010	1.10171	.01824	.00985	.00838	-.00881	.03743	-.15702	-.23310	-.13033
.002	-.041	1.10070	.01760	.00950	.00811	-.00852	.03607	-.14982	-.23020	-.10824
.001	3.964	1.09933	.01652	.00883	.00769	-.00808	.03353	-.13903	-.22006	-.10589
	GRADIENT	-.00030	-.00022	-.00013	-.00009	.00009	-.00049	.00226	.00164	.00306

RUN NO. 1739/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.996	-8.044	1.09840	.02432	.01321	.01112	-.01169	.05016	-.20834	-.26028	-.13429
3.998	-4.013	1.10181	.02047	.01115	.00932	-.00981	.04233	-.17520	-.23507	-.09073
4.000	.015	1.10091	.01910	.01035	.00875	-.00920	.03933	-.16264	-.23011	-.07804
3.998	4.003	1.09999	.01716	.00931	.00784	-.00825	.03537	-.14607	-.22464	-.08235
	GRADIENT	-.00023	-.00041	-.00023	-.00018	.00019	-.00087	.00363	.00130	.00105

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,2 (TC00D7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1740/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.001	-8.028	1.15261	.01718	.00957	.00761	-.00801	.03637	-.15088	-.20238	-.12069
-4.000	-4.077	1.15216	.01497	.00830	.00667	-.00702	.03152	-.13098	-.18368	-.09257
-4.000	.018	1.15150	.01404	.00768	.00636	-.00669	.02917	-.12149	-.17981	-.06791
-4.000	4.013	1.15003	.01282	.00699	.00583	-.00613	.02654	-.10983	-.18328	-.05997
	GRADIENT	-.00026	-.00027	-.00016	-.00010	-.00011	-.00062	.00261	.00005	.00404

RUN NO. 1741/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.004	-8.014	1.14954	.01509	.00822	.00686	-.00722	.03124	-.13185	-.19779	-.12008
.003	-4.060	1.15115	.01380	.00744	.00636	-.00669	.02825	-.11832	-.18757	-.08261
.002	-.032	1.15084	.01334	.00715	.00620	-.00651	.02714	-.11231	-.18757	-.06087
.000	3.959	1.14988	.01209	.00643	.00566	-.00595	.02442	-.10089	-.17690	-.06381
	GRADIENT	-.00016	-.00021	-.00013	-.00009	-.00009	-.00048	.00217	.00133	.00235

RUN NO. 1742/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.998	-8.069	1.14814	.01800	.00979	.00820	-.00863	.03720	-.15403	-.20426	-.08163
4.003	-4.016	1.15052	.01558	.00847	.00711	-.00748	.03218	-.13272	-.18506	-.04677
4.000	.017	1.15092	.01452	.00786	.00666	-.00701	.02985	-.12329	-.18045	-.03229
3.998	4.005	1.15002	.01291	.00700	.00591	-.00621	.02660	-.10921	-.17835	-.03958
	GRADIENT	-.00006	-.00033	-.00018	-.00015	-.00016	-.00070	.00293	.00084	.00090

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.2

(TC00D8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.005	-8.040	1.25049	.01599	.00890	.00709	-.00746	.03382	-.14078	-.19805	-.12210
-4.003	-4.081	1.25067	.01466	.00805	.00661	-.00695	.03059	-.12670	-.18284	-.08475
-4.000	.014	1.25018	.01397	.00754	.00642	-.00675	.02866	-.11915	-.18283	-.05700
-4.000	4.029	1.25003	.01309	.00707	.00602	-.00633	.02687	-.11186	-.18196	-.05039
	GRADIENT	-.00008	-.00019	-.00012	-.00007	-.00008	-.00046	.00183	.00011	.00425

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.004	-8.042	1.24956	.01425	.00780	.00645	-.00679	.02962	-.12518	-.19021	-.12225
.003	-4.036	1.25072	.01346	.00724	.00622	-.00653	.02752	-.11542	-.18158	-.07704
.002	-.046	1.25015	.01299	.00692	.00607	-.00638	.02628	-.10910	-.18469	-.05186
.001	3.955	1.24945	.01232	.00656	.00576	-.00605	.02493	-.10342	-.17664	-.05858
	GRADIENT	-.00016	-.00014	-.00009	-.00006	-.00006	-.00032	.00150	.00062	.00231

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.005	-8.065	1.24968	.01730	.00949	.00781	-.00821	.03605	-.14940	-.19681	-.07359
4.002	-4.024	1.25012	.01557	.00850	.00706	-.00743	.03230	-.13357	-.17854	-.04681
4.005	.017	1.24979	.01454	.00787	.00667	-.00702	.02988	-.12354	-.17817	-.03392
3.998	4.028	1.25005	.01283	.00686	.00597	-.00628	.02607	-.10759	-.17574	-.04180
	GRADIENT	-.00001	-.00034	-.00020	-.00014	-.00014	-.00077	.00322	.00035	.00063

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,3

(TC00D9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1698/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-3.999	-8.035	1.24903	.00595	.00350	.00245	-.00259	.01328	-.05422	-.10968	-.01492
-4.001	-4.013	1.24977	.00504	.00282	.00222	-.00234	.01070	-.04312	-.09734	.01560
-3.999	.016	1.25027	.00427	.00213	.00214	-.00224	.00808	-.03291	-.08290	.05482
-3.998	4.012	1.24977	.00399	.00203	.00195	-.00205	.00773	-.03174	-.10031	.08836
GRADIENT		.00000	-.00013	-.00010	-.00003	.00004	-.00037	.00142	-.00036	.00907

RUN NO. 1699/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.001	-7.988	1.24938	.00483	.00260	.00224	-.00235	.00986	-.04076	-.09158	-.00953
.002	-4.062	1.25036	.00510	.00258	.00253	-.00265	.00979	-.04090	-.09537	.03070
.000	-.045	1.25013	.00469	.00233	.00236	-.00248	.00884	-.03626	-.09706	.06543
-.001	3.989	1.24965	.00349	.00168	.00181	-.00189	.00640	-.02611	-.10248	.05371
GRADIENT		-.00009	-.00020	-.00011	-.00009	.00009	-.00042	.00184	-.00088	.00285

RUN NO. 1700/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.998	-8.031	1.24925	.00645	.00358	.00287	-.00302	.01359	-.05538	-.09542	.00107
4.002	-4.017	1.25009	.00515	.00282	.00234	-.00246	.01070	-.04361	-.08032	.03191
4.000	.018	1.25027	.00430	.00225	.00204	-.00214	.00857	-.03514	-.07983	.05058
4.000	4.017	1.24986	.00371	.00193	.00178	-.00187	.00734	-.02994	-.09684	.05020
GRADIENT		-.00003	-.00018	-.00011	-.00007	.00007	-.00042	.00170	-.00205	.00228

C-11

IA613A(AEDC 16TF-829) QT (MIRROR) + ASRM + S1,3

(TC00EO) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1702/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-4.002	-8.031	1.29909	.00656	.00382	.00274	-.00289	.01451	-.05932	-.11143	-.1742
-4.001	-4.022	1.30003	.00573	.00315	.00258	-.00272	.01195	-.04840	-.09592	.01106
-3.995	.018	1.30004	.00494	.00248	.00246	-.00258	.00943	-.03844	-.08887	.04971
-4.001	4.027	1.29997	.00497	.00259	.00238	-.00249	.00985	-.04074	-.11034	.07919
GRADIENT	GRADIENT	-.00001	-.00009	-.00007	-.00003	.00003	-.00026	.00095	-.00166	.00847

RUN NO. 1703/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.003	-8.072	1.29944	.00553	.00295	.00257	-.00270	.01121	-.04611	-.09792	-.01529
.001	-4.065	1.30038	.00591	.00301	.00291	-.00305	.01142	-.04777	-.10244	.02723
.000	-.037	1.30000	.00556	.00276	.00280	-.00294	.01048	-.04324	-.10627	.05811
-.000	3.958	1.29945	.00458	.00229	.00230	-.00241	.00869	-.03568	-.11075	.04457
GRADIENT	GRADIENT	-.00012	-.00017	-.00009	-.00008	.00008	-.00034	.00151	-.00103	.00217

RUN NO. 1704/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.999	-8.035	1.29981	.00775	.00425	.00350	-.00368	.01613	-.06594	-.09846	-.00559
4.002	-4.008	1.30025	.00542	.00302	.00240	-.00252	.01148	-.04637	-.10210	.03295
3.996	.025	1.30033	.00520	.00272	.00247	-.00260	.01034	-.04263	-.08617	.04685
4.002	4.024	1.29980	.00458	.00237	.00221	-.00232	.00898	-.03679	-.10609	.04413
GRADIENT	GRADIENT	-.00006	-.00010	-.00008	-.00002	.00003	-.00031	.00119	-.00049	.00139

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1.3

(TC00E1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1706/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.003	-8.026	1.34917	.00688	.00395	.00293	-.00309	.01501	-.06163	-.11079	-.02153
-4.000	-4.012	1.34982	.00621	.00334	.00287	-.00302	.01270	-.05143	-.09953	.00973
-4.003	.017	1.35004	.00521	.00263	.00259	-.00271	.00997	-.04094	-.08962	.04845
-4.002	4.017	1.34991	.00508	.00265	.00243	-.00255	.01007	-.04170	-.11099	.07826
	GRADIENT	.00001	-.00014	-.00009	-.00005	.00006	-.00033	.00121	-.00142	.00854

RUN NO. 1707/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-0.001	-7.980	1.34978	.00583	.00313	.00270	-.00284	.01187	-.04896	-.10135	-.01566
.001	-4.046	1.35070	.00604	.00308	.00296	-.00310	.01171	-.04890	-.10177	.02847
.000	-.034	1.35003	.00589	.00298	.00292	-.00306	.01131	-.04671	-.10964	.05519
-.001	3.991	1.34962	.00517	.00263	.00253	-.00266	.01001	-.04136	-.11379	.04461
	GRADIENT	-.00013	-.00011	-.00006	-.00005	.00006	-.00021	.00094	-.00149	.00201

RUN NO. 1708/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.998	-8.044	1.34940	.00797	.00433	.00364	-.00383	.01645	-.06738	-.09710	-.00454
4.002	-4.013	1.35003	.00640	.00350	.00290	-.00305	.01328	-.05459	-.08888	.02714
3.999	.020	1.35002	.00590	.00312	.00278	-.00292	.01185	-.04907	-.08979	.04423
4.000	4.022	1.34962	.00507	.00263	.00244	-.00256	.00998	-.04077	-.10903	.03732
	GRADIENT	-.00005	-.00016	-.00011	-.00006	.00006	-.00041	.00172	-.00250	.00127

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,3 (TC00E2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 1709/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.007	-8.040	1.39887	.00726	.00419	.00307	-.00324	.01590	-.06530	-.11259	-.02635
-3.999	-4.021	1.39996	.00633	.00343	.00291	-.00305	.01302	-.05293	-.09625	.00718
-3.996	.021	1.40000	.00517	.00263	.00254	-.00267	.00999	-.04094	-.08687	.04500
-3.998	4.013	1.39953	.00572	.00299	.00273	-.00287	.01135	-.04695	-.11918	.07733
	GRADIENT	-.00005	-.00008	-.00006	-.00002	.00002	-.00021	.00075	-.00284	.00873

RUN NO. 1710/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.002	-8.066	1.39984	.00625	.00340	.00286	-.00300	.01291	-.05332	-.10702	-.01521
.001	-4.045	1.40074	.00670	.00347	.00324	-.00340	.01317	-.05491	-.10352	.02693
-.000	-.045	1.40021	.00660	.00341	.00320	-.00335	.01294	-.05345	-.11132	.05458
-.001	3.945	1.39970	.00574	.00298	.00276	-.00290	.01132	-.04677	-.11594	.04760
	GRADIENT	-.00013	-.00012	-.00006	-.00006	.00006	-.00023	.00102	-.00156	.00259

RUN NO. 1711/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.997	-8.038	1.40026	.00812	.00445	.00367	-.00386	.01688	-.06952	-.09835	-.00603
4.002	-4.010	1.40042	.00660	.00364	.00296	-.00312	.01383	-.05704	-.08865	.02451
3.997	.027	1.40036	.00590	.00316	.00274	-.00288	.01200	-.04987	-.09262	.04373
4.005	4.040	1.39983	.00564	.00297	.00267	-.00281	.01127	-.04618	-.11266	.03607
	GRADIENT	-.00007	-.00012	-.00008	-.00004	.00004	-.00032	.00135	-.00298	.00144

IA613A(AEDC 16TF-829) OT (MIRROR) + ASRM + S1,3 (TC00E3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

RUN NO. 1712/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-4.051	-8.139	1.55233	.00731	.00409	.00321	-.00338	.01555	-.06418	-.11797	-.04443
-4.079	-4.160	1.54945	.00692	.00379	.00313	-.00329	.01440	-.05864	-.10210	.00048
-4.095	.024	1.54880	.00634	.00331	.00302	-.00317	.01259	-.05162	-.09453	.03160
-4.067	4.093	1.54889	.00668	.00348	.00319	-.00335	.01323	-.05447	-.12869	.07014
	GRADIENT	-.00007	-.00003	-.00004	.00001	-.00001	-.00014	.00051	-.00320	.00844

RUN NO. 1713/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.003	-7.967	1.54853	.00736	.00406	.00331	-.00348	.01541	-.06369	-.11533	-.02714
.001	-3.965	1.54918	.00759	.00401	.00358	-.00376	.01522	-.06326	-.10722	.01865
.000	.054	1.54804	.00781	.00409	.00372	-.00391	.01552	-.06409	-.10703	.04418
-.000	4.064	1.54872	.00690	.00363	.00327	-.00343	.01378	-.05709	-.11718	.04104
	GRADIENT	-.00006	-.00009	-.00005	-.00004	.00004	-.00018	.00077	-.00124	.00279

RUN NO. 1714/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
4.046	-8.128	1.54800	.00910	.00501	.00409	-.00431	.01902	-.07886	-.10726	-.01105
4.076	-4.091	1.54909	.00789	.00437	.00353	-.00371	.01658	-.06875	-.09462	.01665
4.103	.032	1.55000	.00705	.00386	.00319	-.00335	.01466	-.06081	-.09528	.03593
4.067	4.083	1.54814	.00714	.00385	.00329	-.00346	.01464	-.06019	-.12133	.02357
	GRADIENT	-.00012	-.00009	-.00006	-.00003	.00003	-.00024	.00105	-.00326	.00086

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TC00E4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 664/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAT CPAS
-.003 -7.895 .59862 .02406 .01260 .01145 -.01202 .04788 -.20461 -.38299 -.34863
.000 -3.945 .59952 .02294 .01201 .01093 -.01148 .04563 -.19505 -.35482 -.32630
-.000 .077 .60006 .02187 .01140 .01046 -.01099 .04332 -.18524 -.34206 -.31371
-.001 4.059 .60048 .02098 .01091 .01007 -.01057 .04144 -.17717 -.33374 -.30280
GRADIENT .00012 -.00025 -.00014 -.00011 -.00052 .00223 .00263 .00294

PARAMETRIC DATA

MACH = .600 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 665/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAT CPAS
-.003 -7.913 .80005 .02582 .01358 .01223 -.01285 .05160 -.21939 -.38333 -.34084
-.001 -4.026 .79996 .02485 .01310 .01175 -.01234 .04976 -.21151 -.35859 -.30464
-.000 .077 .79968 .02333 .01227 .01106 -.01162 .04660 -.19779 -.33742 -.29958
.002 3.974 .79940 .02216 .01161 .01056 -.01109 .04408 -.18701 -.32871 -.30592
GRADIENT -.00007 -.00034 -.00019 -.00015 -.00071 .00307 .00375 .00015

PARAMETRIC DATA

MACH = .800 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TC00E5) (13 APR 92)

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TC00E6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 666/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-8.038	.90022	.02809	.01479	.01330	-.01396	.05619	-.23838	-.39738	-.32086
.001	-4.530	.90015	.02657	.01401	.01255	-.01318	.05323	-.22577	-.36900	-.30250
.001	-4.036	.89989	.02650	.01399	.01250	-.01313	.05315	-.22540	-.36592	-.30068
.000	-.013	.89964	.02446	.01289	.01157	-.01215	.04897	-.20754	-.33616	-.30244
.002	4.092	.89926	.02319	.01233	.01096	-.01151	.04644	-.19722	-.32379	-.31244
	GRADIENT	-.00009	-.00041	-.00022	-.00019	.00020	-.00082	.00346	.00542	-.00118

PARAMETRIC DATA

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TC00E7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 667/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.001	-8.044	.94995	.03074	.01633	.01441	-.01514	.06202	-.26318	-.40976	-.34378
-.001	-4.026	.94990	.02882	.01537	.01344	-.01413	.05839	-.24766	-.38015	-.33466
.000	-.018	.94966	.02720	.01450	.01270	-.01335	.05508	-.23350	-.36053	-.32717
-.001	4.085	.94926	.02556	.01360	.01196	-.01256	.05165	-.21965	-.33504	-.33882
	GRADIENT	-.00008	-.00040	-.00022	-.00018	.00019	-.00083	.00345	.00556	-.00052

PARAMETRIC DATA

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TC00E8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 668/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.003	-8.023	1.04957	.03466	.01853	.01613	-.01695	.07037	-.29773	-.42817	-.44742
.000	-4.045	1.05012	.03241	.01739	.01502	-.01578	.06504	-.27966	-.40068	-.42298
-.001	-.021	1.05010	.03130	.01680	.01450	-.01524	.06380	-.27010	-.39436	-.41575
-.002	4.085	1.04964	.03058	.01642	.01416	-.01488	.06237	-.26458	-.37882	-.42743
	GRADIENT	-.00006	-.00022	-.00012	-.00011	.00011	-.00045	.00185	.00269	-.00056

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TC00E9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 670/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.039	1.09907	.03934	.02115	.01819	-.01912	.08034	-.33815	-.45511	-.50769
-.002	-4.747	1.10058	.03742	.02017	.01725	-.01814	.07661	-.32250	-.43063	-.48146
-.001	-3.999	1.10002	.03708	.02001	.01708	-.01795	.07599	-.31992	-.42846	-.47880
-.000	-.032	1.10020	.03583	.01945	.01639	-.01723	.07386	-.31123	-.41611	-.47561
-.001	4.108	1.09942	.03494	.01904	.01591	-.01673	.07231	-.30447	-.39488	-.48133
	GRADIENT	-.00010	-.00028	-.00013	-.00015	.00016	-.00048	.00201	.00398	-.00000

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TC00FO) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 671/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAT CPAS
- .002 -8.055 1.14914 .03281 .01759 .01522 -.01600 .06680 -.28155 -.39834 -.44915
.000 -4.050 1.15104 .03133 .01685 .01449 -.01523 .06399 -.26977 -.37849 -.41741
-.001 -.026 1.15031 .03082 .01668 .01414 -.01487 .06336 -.26747 -.37314 -.41762
-.001 3.966 1.14943 .03071 .01672 .01399 -.01471 .06351 -.26717 -.35395 -.42483
GRADIENT -.00020 -.00008 -.00002 -.00006 -.00006 -.00006 -.00032 .00306 -.00092

PARAMETRIC DATA

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TC00F1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

RUN NO. 672/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA ALPHA MACH CNB CNBO CNBF CLMB CAB CPAD CPAT CPAS
- .002 -8.071 1.24923 .02910 .01554 .01356 -.01425 .05904 -.24889 -.36480 -.42026
.001 -5.152 1.25046 .02875 .01543 .01331 -.01399 .05862 -.24696 -.34871 -.39629
.000 -4.080 1.24996 .02865 .01540 .01325 .01393 .05850 .05850 .05850 .05850 .05850
-.001 -.039 1.24984 .02796 .01514 .01283 .01349 .05749 .05749 .05749 .05749 .05749
-.002 3.968 1.25011 .02788 .01511 .01277 .01343 .05738 .05738 .05738 .05738 .05738
GRADIENT .00002 -.00010 -.00004 -.00006 -.00006 -.00014 .00063 .00319 -.00056

PARAMETRIC DATA

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TCOOF2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 675/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-8.068	1.34990	.02860	.01531	.01329	-.01397	.05815	-.24512	-.35262	-.39411
.001	-4.031	1.35005	.02819	.01517	.01302	-.01369	.05761	-.24255	-.32779	-.37244
-.000	-.022	1.34994	.02719	.01468	.01250	-.01314	.05577	-.23494	-.31420	-.37552
-.002	3.972	1.34983	.02748	.01487	.01261	-.01326	.05647	-.23760	-.30135	-.38351
	GRADIENT	-.00003	-.00009	-.00004	-.00005	.00005	-.00014	.00062	.00330	-.00138

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 676/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.002	-8.078	1.39969	.02870	.01537	.01332	-.01400	.05840	-.24585	-.34873	-.38174
-.002	-4.847	1.40043	.02856	.01535	.01321	-.01388	.05832	-.24580	-.33024	-.35670
-.002	-4.052	1.40010	.02835	.01527	.01308	-.01375	.05800	-.24432	-.32450	-.35657
-.001	-.031	1.39961	.02789	.01505	.01285	-.01350	.05715	-.24065	-.31152	-.36460
.001	3.957	1.39983	.02731	.01477	.01254	-.01318	.05612	-.23616	-.29316	-.37166
	GRADIENT	-.00006	-.00014	-.00006	-.00007	.00008	-.00024	.00106	.00404	-.00178

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TC00F4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 678/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-7.964	1.54892	.02786	.01492	.01294	-.01360	.05669	-.23808	-.33420	-.35228
.000	-3.947	1.54879	.02791	.01504	.01287	-.01353	.05713	-.24022	-.31806	-.33557
-.001	.069	1.54845	.02806	.01513	.01293	-.01360	.05746	-.24201	-.29130	-.34363
-.001	4.058	1.54824	.02645	.01427	.01218	-.01281	.05419	-.22848	-.27196	-.35345
	GRADIENT	-.00007	-.00018	-.00010	-.00009	.00009	-.00037	.00146	.00576	-.00223

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 673/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
3.994	-8.067	1.29924	.03133	.01680	.01454	-.01528	.06381	-.26992	-.38463	-.35882
4.000	-4.008	1.30002	.03163	.01696	.01466	-.01541	.06444	-.27202	-.35347	-.34472
3.992	.005	1.30027	.02819	.01510	.01309	-.01375	.05736	-.24200	-.33870	-.33334
4.009	4.108	1.29989	.02811	.01508	.01303	-.01370	.05726	-.24215	-.32817	-.35742
	GRADIENT	-.00002	-.00043	-.00023	-.00020	.00021	-.00088	.00367	.00312	-.00158

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TC00F5) (13 APR 92)

IA613A(AEDC 16TF-829) B/L OT + RSRM, PLUMES OFF (TC00F6) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 674/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.997	-7.978	1.34949	.03131	.01682	.01449	-.01523	.06388	-.27050	-.37537	-.35439
3.997	-4.097	1.34967	.03166	.01704	.01463	-.01538	.06471	-.27324	-.34597	-.34147
3.996	.011	1.35021	.02964	.01596	.01368	-.01438	.06060	-.25646	-.33216	-.32759
3.995	3.993	1.34994	.02834	.01521	.01313	-.01380	.05775	-.24498	-.32143	-.35201
	GRADIENT	.00003	-.00041	-.00023	-.00019	.00019	-.00086	.00350	.00303	-.00128

PARAMETRIC DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (TC00F7) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .600 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 410/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.000	-3.891	.60025	.01237	.00755	.00482	-.00510	.02868	-.12480	-.21930	-.17433
.000	-3.888	.60012	.01246	.00757	.00489	-.00518	.02874	-.12459	-.22048	-.17374
	GRADIENT	-.05357	.03348	.00558	.02790	-.02888	.02121	.08259	-.46429	.22768

PARAMETRIC DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (TC00F8) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .800 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 412/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.000	-3.871	.79996	.01222	.00728	.00494	-.00522	.02765	-.11997	-.21044	-.13749
-.001	-3.872	.79958	.01215	.00724	.00490	-.00518	.02751	-.11967	-.21112	-.13742
	GRADIENT	.75000	.14453	.07031	.07617	-.07617	.27344	-.59375	1.37500	-.12500

PARAMETRIC DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (TC00F9) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .900 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 413/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.000	-3.981	.89963	.01194	.00696	.00497	-.00525	.02645	-.11348	-.20362	-.11841
.000	-3.973	.89986	.01183	.00691	.00492	-.00519	.02626	-.11265	-.20331	-.11872
	GRADIENT	.03049	-.01362	-.00622	-.00742	.00773	-.02369	.10899	.04014	-.04065

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (TC00G0) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = .950 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 414/ O RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.000	-3.969	.94959	.01138	.00659	.00479	-.00506	.02502	-.10639	-.19274	-.10686
.000	-3.969	.94982	.01146	.00663	.00483	-.00510	.02517	-.10723	-.19424	-.10768
	GRADIENT	-.25000	-.01563	-.00977	-.00781	.00781	-.03125	.21875	.37500	.18750

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (TC00G1) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 415/ O RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.000	-3.979	1.04945	.01570	.00859	.00711	-.00748	.03262	-.13656	-.21573	-.10471
.000	-3.975	1.04944	.01579	.00865	.00714	-.00751	.03285	-.13759	-.21654	-.10638
	GRADIENT	.00000	.02431	.01736	.00680	-.00723	.06655	-.29398	-.23148	-.47685

PARAMETRIC DATA

PARAMETRIC DATA

PARAMETRIC DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (TC00G2) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 416/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.002	-3.855	1.09980	.01971	.01071	.00900	-.00946	.04069	-.17095	-.25454	-.14600
-.002	-3.864	1.09982	.01971	.01072	.00899	-.00945	.04073	-.17126	-.25428	-.14635
	GRADIENT	-.00318	.00050	-.00119	.00172	-.00177	-.00448	.03583	-.02986	.04021

PARAMETRIC DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (TC00G3) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.150 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 417/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.002	-3.937	1.15070	.01431	.00781	.00650	-.00684	.02965	-.12432	-.20184	-.09588
-.002	-3.935	1.15021	.01431	.00779	.00652	-.00685	.02960	-.12405	-.20196	-.09578
	GRADIENT	-.20588	.00092	-.00460	.00528	-.00540	-.01746	.09559	-.04044	.03676

PARAMETRIC DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2 (TC00G4) (13 APR 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 421/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.000	-3.889	1.24953	.01311	.00705	.00607	-.00638	.02676	-.11196	-.18701	-.07730
-.002	-3.892	1.24956	.01313	.00705	.00608	-.00639	.02676	-.11200	-.18709	-.07754
	GRADIENT	-.03846	-.00541	-.00015	-.00526	.00556	.00000	.01683	.02885	.09375

PARAMETRIC DATA

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RRSM + S1,2

(TC00G5) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 447/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.000	-3.873	1.24958	.01336	.00721	.00615	-.00646	.02738	-.11459	-.18982	-.07986
-.002	-3.872	1.24971	.01331	.00719	.00612	-.00643	.02731	-.11433	-.18937	-.07879
	GRADIENT	.00000	-.03223	-.01221	-.01953	.02051	-.04688	.17188	.29688	.72656

PARAMETRIC DATA

MACH = 1.250 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RRSM + S1,2

(TC00G6) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 451/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-3.804	1.29989	.01404	.00754	.00650	-.00683	.02865	-.11922	-.18808	-.08080
-.002	-3.809	1.29987	.01409	.00756	.00652	-.00686	.02873	-.11957	-.18805	-.08139
	GRADIENT	.00000	-.00923	-.00457	-.00465	.00486	-.01745	.07314	-.00798	.12434

PARAMETRIC DATA

MACH = 1.300 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RRSM + S1,2

(TC00G7) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 452/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-3.854	1.34943	.01404	.00756	.00648	-.00682	.02872	-.11922	-.18409	-.07742
-.002	-3.866	1.35009	.01399	.00754	.00645	-.00678	.02864	-.11891	-.18336	-.07736
	GRADIENT	-.05611	.00467	.00175	.00294	-.00306	.00663	-.02568	-.06064	-.00443

PARAMETRIC DATA

MACH = 1.350 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,2

(TC00G8) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 454/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.002	-3.872	1.39966	.01464	.00785	.00679	-.00714	.02983	-.12371	-.18523	-.06988
-.000	-3.873	1.40003	.01460	.00783	.00678	-.00712	.02972	-.12324	-.18444	-.06965
	GRADIENT	-.50000	.06250	.04297	.01953	-.02148	.15625	-.71875	-1.25000	-.34375

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3

(TC00G9) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 458/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.001	-3.921	1.24969	.00510	.00257	.00253	-.00265	.00975	-.04057	-.10773	.02861
-.001	-3.913	1.24984	.00510	.00259	.00251	-.00263	.00983	-.04091	-.10773	.02813
	GRADIENT	.01852	.00038	.00272	-.00236	.00238	.01033	-.04201	.00069	-.06019

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3

(TC00H0) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 5.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 459/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.000	-3.912	1.40077	.00756	.00388	.00368	-.00387	.01474	-.06087	-.11312	.02647
-.002	-3.911	1.40001	.00758	.00387	.00371	-.00389	.01470	-.06061	-.11186	.02663
	GRADIENT	-1.00000	.01953	-.02148	.04199	-.04297	-.08203	.50000	2.40625	.30469

IA613A(AEDC 16TF-829) OT(DOOR OFF)+RSRM + S1,3

(TC00H1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 461/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

MACH = 1.550 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 5.000

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-.001	-3.855	1.54886	.00682	.00345	.00337	-.00353	.01310	-.05394	-.11105	.02726
-.001	-3.857	1.54841	.00692	.00351	.00341	-.00358	.01332	-.05481	-.11255	.02723
	GRADIENT	.50000	-.08789	-.04948	-.03874	.04069	-.18750	.73958	1.27083	.02083

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2

(TC00H2) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 763/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

MACH = .900 IEABOX = 180.000
 IB-ELV = 10.000 OB-ELV = 9.000

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.998	-8.056	.89947	.01746	.00987	.00760	-.00800	.03747	-.15766	-.21444	-.16794
-4.005	-3.934	.89996	.01370	.00787	.00583	-.00615	.02989	-.12599	-.18901	-.14221
-3.996	.002	.89974	.01148	.00663	.00485	-.00511	.02520	-.10739	-.17215	-.12572
-4.002	4.065	.90006	.00945	.00570	.00374	-.00396	.02166	-.09213	-.15305	-.11483
	GRADIENT	.00001	-.00053	-.00027	-.00026	.00027	-.00103	.00423	.00450	.00342

IA613A(AEDC 16TF-829) B/L QT + ASRM+PLUMES S1,2 (TC00H3) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.050 IEABDX = 180.000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 773/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
-3.997	-8.082	1.04732	.01890	.01056	.00834	-.00878	.04012	-.16685	-.21249	-.13104
-4.011	-3.965	1.05168	.01720	.00962	.00758	-.00799	.03654	-.15177	-.20077	-.12236
-4.012	.001	1.05008	.01473	.00824	.00649	-.00683	.03131	-.12950	-.18894	-.09306
-3.998	4.079	1.04964	.01289	.00726	.00564	-.00594	.02756	-.11187	-.17986	-.07427
	GRADIENT	-.00025	-.00054	-.00029	-.00024	.00025	-.00112	.00496	.00260	.00597

RUN NO. 775/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
.001	-8.040	1.04831	.01624	.00894	.00730	-.00768	.03396	-.14361	-.21148	-.14009
-.002	-4.045	1.05187	.01593	.00867	.00726	-.00764	.03293	-.13779	-.21317	-.12385
-.002	-.020	1.05054	.01454	.00796	.00658	-.00692	.03024	-.12519	-.20043	-.08987
.000	4.092	1.04898	.01141	.00616	.00525	-.00552	.02341	-.09700	-.17537	-.08212
	GRADIENT	-.00036	-.00056	-.00031	-.00025	.00026	-.00117	.00502	.00465	.00512

RUN NO. 776/ 0		RN/L = 2.50		GRADIENT INTERVAL = -5.00/		5.00				
BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAD	CPAT	CPAS
3.995	-8.050	1.04788	.01911	.01055	.00857	-.00901	.04006	-.16621	-.21021	-.09968
3.995	-4.076	1.05023	.01793	.00980	.00813	-.00855	.03722	-.15359	-.19591	-.08042
3.993	-.001	1.05064	.01585	.00867	.00718	-.00755	.03293	-.13569	-.18234	-.06800
4.007	4.067	1.04954	.01307	.00722	.00584	-.00615	.02744	-.11269	-.18298	-.05983
	GRADIENT	-.00008	-.00060	-.00032	-.00028	.00030	-.00120	.00502	.00159	.00253

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TC00H4) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.100 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 638/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.003	-8.061	1.09893	.02098	.01148	.00950	-.00999	.04361	-.18388	-.26785	-.18909
-.002	-4.042	1.10135	.01888	.01022	.00866	-.00910	.03882	-.16305	-.24934	-.14410
-.000	-.027	1.10030	.01849	.00998	.00851	-.00895	.03789	-.15716	-.24936	-.12366
.001	4.075	1.09954	.01702	.00906	.00796	-.00836	.03442	-.14285	-.23567	-.11749
	GRADIENT	-.00022	-.00023	-.00014	-.00009	.00009	-.00054	.00249	.00169	.00327

PARAMETRIC DATA

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TC00H5) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.250 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 653/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.001	-1.049	1.25067	1.73803	.94266	.79538	-.83635	3.58047	.00000	.00000	.00000
.001	-1.049	1.25021	1.73803	.94266	.79538	-.83635	3.58047	.00000	.00000	.00000
-.002	-8.086	1.24981	.00564	.00308	.00256	-.00269	.01170	-.04862	-.11365	-.01080
.001	-5.169	1.25019	.00502	.00261	.00242	-.00254	.00990	-.04107	-.10872	.01021
.001	-4.022	1.25007	.00491	.00248	.00242	-.00254	.00943	-.03919	-.10704	.02551
-.001	-.021	1.24971	.00499	.00247	.00253	-.00265	.00936	-.03840	-.11083	.05689
.001	3.964	1.24909	.00382	.00186	.00197	-.00206	.00706	-.02886	-.11512	.04789
	GRADIENT	-.00012	-.00014	-.00008	-.00006	.00006	-.00030	.00129	-.00101	.00281

PARAMETRIC DATA

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TC00H6) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.300 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 655/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.002	-8.076	1.29992	.00641	.00348	.00293	-.00308	.01321	-.05475	-.12029	-.01547
.001	-4.032	1.29989	.00586	.00296	.00290	-.00304	.01123	-.04657	-.11114	.01981
-.000	-.020	1.30002	.00588	.00293	.00295	-.00309	.01113	-.04580	-.11880	.05026
-.001	3.968	1.30008	.00447	.00219	.00228	-.00238	.00833	-.03416	-.12031	.03785
	GRADIENT	.00002	-.00017	-.00010	-.00008	.00008	-.00036	.00155	-.00115	.00226

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TC00H7) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.350 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 656/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

PARAMETRIC DATA

BETA	ALPHA	MACH	CNB	CNBO	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.002	-8.088	1.35007	.00659	.00358	.00301	-.00316	.01359	-.05618	-.12331	-.01725
.001	-4.048	1.35003	.00619	.00315	.00304	-.00318	.01198	-.04948	-.10964	.02012
-.000	-.034	1.35004	.00605	.00302	.00302	-.00317	.01149	-.04726	-.12157	.05000
-.002	4.094	1.34950	.00503	.00253	.00250	-.00262	.00959	-.03932	-.12179	.03743
	GRADIENT	-.00006	-.00014	-.00008	-.00007	.00007	-.00029	.00125	-.00149	.00210

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TC00H8) (29 JUL 92)

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.400 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 657/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
-.002	-8.077	1.40016	.00703	.00381	.00322	-.00339	.01447	-.05980	-.12554	-.01780
.001	-4.857	1.39972	.00706	.00366	.00339	-.00356	.01391	-.05755	-.11529	.01550
-.001	-4.057	1.39962	.00693	.00356	.00336	-.00353	.01353	-.05617	-.11311	.02567
-.001	-.030	1.40025	.00670	.00339	.00331	-.00347	.01288	-.05306	-.12516	.04929
-.002	3.967	1.39915	.00582	.00296	.00287	-.00301	.01122	-.04600	-.12569	.03893
	GRADIENT	-.00004	-.00013	-.00008	-.00006	-.00006	-.00029	.00125	-.00146	.00271

(TC00H9) (29 JUL 92)

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

PARAMETRIC DATA

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT MACH = 1.550 IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 658/ 0 RN/L = 2.50 GRADIENT INTERVAL = -5.00/ 5.00

BETA	ALPHA	MACH	CNB	CNB0	CNBF	CLMB	CAB	CPAO	CPAT	CPAS
.002	-7.984	1.54882	.00728	.00399	.00330	-.00347	.01514	-.06276	-.12832	-.02607
-.000	-3.941	1.54973	.00727	.00378	.00348	-.00366	.01437	-.05925	-.11662	.02744
.001	.066	1.54961	.00697	.00359	.00338	-.00354	.01363	-.05581	-.12508	.03645
.002	4.191	1.54788	.00590	.00302	.00288	-.00302	.01147	-.04672	-.11785	.04400
	GRADIENT	-.00023	-.00017	-.00009	-.00007	.00008	-.00036	.00154	-.00014	.00204

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2 (TCDAIO) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABDX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 6031/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CNGB	CNBO	CNBF	CLMB	CAB	CPBAD	CPBAT	CPBAS
-3.997	.600	-.00164	.01180	.00725	.00455	-.00482	.02753	-.11985	-.22075	-.17651
-3.990	.600	.00033	.01219	.00744	.00475	-.00502	.02825	-.12284	-.22350	-.17917
-4.008	.614	-.00157	.01100	.00675	.00425	-.00450	.02564	-.11168	-.21243	-.16673
-4.035	.645	-.00162	.01034	.00640	.00394	-.00417	.02433	-.10628	-.20472	-.15642
-4.068	.683	-.00152	.01066	.00655	.00411	-.00436	.02486	-.10853	-.20622	-.15423
-3.936	.725	-.00144	.01077	.00658	.00420	-.00444	.02498	-.10882	-.20556	-.14563
-3.968	.751	.00048	.01097	.00671	.00426	-.00451	.02548	-.11092	-.20748	-.14280
-3.995	.785	-.00130	.01073	.00648	.00425	-.00450	.02460	-.10759	-.20256	-.13574
-4.021	.806	.00059	.01115	.00671	.00444	-.00469	.02548	-.11112	-.20563	-.13122
-4.028	.815	-.00132	.01124	.00674	.00450	-.00476	.02559	-.11157	-.20545	-.12995
-4.038	.832	.00050	.01130	.00673	.00457	-.00483	.02558	-.11146	-.20584	-.12946
-4.062	.863	-.00135	.00727	.00445	.00457	-.00298	.01691	-.07560	-.16725	-.09273
-4.014	.947	-.00142	.00844	.00495	.00349	-.00368	.01880	-.08131	-.17450	-.08869
-3.988	.916	-.00129	.01191	.00692	.00499	-.00526	.02629	-.11242	-.20726	-.11711
-3.990	.919	-.00133	.01099	.00641	.00459	-.00484	.02433	-.10457	-.19927	-.11224
-3.965	.902	.00042	.01372	.00790	.00583	-.00615	.02999	-.12838	-.22505	-.13537
-3.989	.933	-.00134	.01231	.00707	.00524	-.00552	.02171	-.11484	-.20940	-.12045
-4.000	.947	-.00129	.00982	.00572	.00410	-.00433	.02171	-.09332	-.18557	-.09937
-4.005	.948	-.00134	.01022	.00593	.00430	-.00453	.02251	-.10422	-.18906	-.10422
-3.956	.899	.00044	.01189	.00694	.00495	-.00522	.02637	-.11358	-.20979	-.12266
-4.032	.970	-.00134	.00930	.00534	.00396	-.00417	.02028	-.08815	-.17391	-.09508
-4.042	.979	-.00138	.01012	.00572	.00440	-.00464	.02174	-.09432	-.17784	-.09658
-4.050	.987	.00025	.00878	.00501	.00377	-.00397	.01904	-.08313	-.16454	-.08554
-4.080	1.002	.00027	.00793	.00452	.00342	-.00360	.01716	-.07506	-.15321	-.07691
-4.091	1.019	-.00162	.00780	.00444	.00336	-.00355	.01686	-.07339	-.15125	-.06595
-4.078	1.011	-.00155	.01025	.00577	.00448	-.00471	.02192	-.09186	-.17343	-.08035
-4.106	1.042	-.00184	.01034	.00575	.00459	-.00483	.02184	-.09186	-.17289	-.06412
-3.963	1.067	-.00037	.02110	.01148	.00962	-.01012	.04360	-.18266	-.26990	-.15304
-3.995	1.088	-.00009	.02090	.01136	.00954	-.01003	.04313	-.18082	-.26819	-.15433
-3.902	.976	-.00126	.01104	.00623	.00481	-.00506	.02365	-.10267	-.18372	-.10361
-3.977	1.076	-.00198	.02019	.01100	.00920	-.00967	.04176	-.17529	-.26224	-.14880
-3.974	1.080	-.00199	.01890	.01030	.00860	-.00905	.03911	-.16387	-.25189	-.13664
-3.984	1.097	-.00172	.01970	.01072	.00898	-.00944	.04073	-.17115	-.25919	-.14997
-3.969	1.103	-.00177	.01336	.00728	.00608	-.00944	.04073	-.11586	-.20032	-.08660
-3.902	1.147	-.00180	.01356	.00741	.00615	-.00647	.02813	-.11800	-.19973	-.09260
-4.024	1.151	-.00192	.01373	.00750	.00623	-.00655	.02847	-.11943	-.20025	-.09335
-4.017	1.154	-.00183	.01377	.00751	.00626	-.00659	.02853	-.11956	-.20096	-.09323
-4.000	1.154	-.00177	.01335	.00729	.00607	-.00638	.02768	-.11598	-.19695	-.08984
-4.044	1.112	-.00147	.01756	.00961	.00795	-.00837	.03650	-.15329	-.23707	-.13999
-4.017	1.217	-.00182	.00984	.00533	.00450	-.00479	.02025	-.11482	-.16444	-.05666
-4.020	1.248	-.00198	.01324	.00722	.00602	-.00633	.02741	-.11482	-.18964	-.08431
-4.020	1.255	-.00187	.01332	.00725	.00607	-.00639	.02752	-.11531	-.19007	-.08351
-4.012	1.256	-.00175	.01355	.00736	.00619	-.00651	.02794	-.11696	-.19176	-.08524

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TCDAIO) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT BETA = .0000 IEABOX = .0000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.0000 OB-ELV = 9.0000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 6031/ 0 RN/L = 2.64 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CNB	CNBO	CNBF	CLMB	CAB	CPBAD	CPBAT	CPBAS
-3.953	1.172	-.00188	.01944	.01056	.00888	-.00933	.04012	-.16778	-.24964	-.13316
-4.012	1.280	-.00171	.01301	.00705	.00596	-.00627	.02677	-.11186	-.18445	-.07902
-4.016	1.300	-.00185	.01355	.00734	.00620	-.00652	.02790	-.11627	-.18757	-.08427
-4.004	1.299	-.00171	.01404	.00762	.00643	-.00676	.02894	-.12069	-.19201	-.08852
-3.995	1.299	-.00010	.01428	.00775	.00653	-.00687	.02945	-.12287	-.19369	-.09003
-3.992	1.301	-.00154	.01410	.00765	.00645	-.00679	.02905	-.12119	-.19282	-.08981
-3.993	1.310	-.00170	.01265	.00686	.00579	-.00609	.02606	-.10862	-.18018	-.07710
	GRADIENT	-.00144	.00663	.00224	.00440	-.00457	.00849	-.02687	.01467	.10547

IA613A(AEDC 16TF-829) B/L OT + RSRM+PLUMES S1,2

(TCOBIO) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 976.0000 IN. XT BETA = .000 IEABOX = .0000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 6032/ 0 RN/L = 2.48 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CNB	CNBO	CNBF	CLMB	CAB	CPBAD	CPBAT	CPBAS
-3.986	1.305	.00016	.01442	.00781	.00661	-.00595	.02965	-.12359	-.19413	-.09049
-3.968	1.295	-.00158	.01457	.00789	.00667	-.00702	.02998	-.12522	-.19805	-.09471
-3.978	1.295	.00006	.01438	.00780	.00658	-.00692	.02964	-.12372	-.19613	-.09332
-3.976	1.299	.00012	.01447	.00786	.00661	-.00696	.02985	-.12452	-.19613	-.09311
-3.988	1.300	-.00166	.01456	.00790	.00666	-.00700	.02999	-.12508	-.19641	-.09234
-3.988	1.300	-.00168	.01459	.00792	.00667	-.00702	.03007	-.12548	-.19676	-.09321
-3.998	1.299	.00015	.01461	.00792	.00669	-.00703	.03010	-.12559	-.19762	-.09379
-4.010	1.300	-.00169	.01464	.00795	.00669	-.00704	.03019	-.12584	-.19736	-.09455
-4.012	1.299	-.00162	.01467	.00796	.00672	-.00706	.03022	-.12609	-.19765	-.09295
-4.026	1.302	.00011	.01455	.00788	.00666	-.00701	.02994	-.12492	-.19672	-.09132
-4.020	1.300	-.00170	.01454	.00789	.00665	-.00699	.02998	-.12505	-.19643	-.09346
-4.023	1.300	-.00162	.01453	.00788	.00665	-.00699	.02993	-.12491	-.19684	-.09269
-4.024	1.300	-.00162	.01473	.00799	.00673	-.00708	.03037	-.12664	-.19729	-.09216
-4.013	1.251	-.00167	.02076	.01128	.00948	-.00997	.04285	-.17905	-.25251	-.14571
-4.026	1.299	-.00180	.01317	.00713	.00604	-.00635	.02707	-.11299	-.18484	-.08097
-4.014	1.346	-.00005	.01397	.00758	.00639	-.00672	.02880	-.12011	-.18882	-.08693
-4.017	1.354	-.00181	.01439	.00781	.00658	-.00692	.02968	-.12378	-.19218	-.08810
-4.011	1.349	-.00001	.01433	.00778	.00655	-.00689	.02956	-.12333	-.19223	-.08851
-4.011	1.349	-.00007	.01308	.00710	.00599	-.00629	.02695	-.11233	-.18084	-.07758
-4.069	1.377	-.00015	.01429	.00776	.00653	-.00686	.02949	-.12300	-.18971	-.08395
-4.073	1.386	-.00018	.01435	.00780	.00655	-.00689	.02961	-.12348	-.18983	-.08241
-4.082	1.393	-.00188	.01455	.00791	.00664	-.00698	.03004	-.12519	-.19026	-.08153
-4.086	1.402	-.00014	.01460	.00794	.00666	-.00700	.03018	-.12573	-.19017	-.08057
-4.083	1.382	-.00023	.01632	.00888	.00745	-.00783	.03371	-.14063	-.20617	-.09710
-3.913	1.210	-.00160	.00944	.00520	.00424	-.00446	.01976	-.08281	-.15825	-.05428
-4.015	1.146	.00031	.02745	.01496	.01249	-.01314	.05681	-.23856	-.32232	-.22777
-4.017	1.164	-.00176	.02006	.01095	.00911	-.00958	.04161	-.17517	-.25735	-.17052
-4.072	1.186	-.00151	.00561	.00323	.00237	-.00250	.01229	-.05322	-.12870	-.06506
-4.107	1.422	-.00143	.01744	.00946	.00797	-.00839	.03595	-.14963	-.21620	-.09616
-3.945	1.495	-.00163	.01516	.00820	.00696	-.00731	.03114	-.12926	-.19446	-.07946
-3.944	1.523	-.00172	.01444	.00781	.00663	-.00697	.02966	-.12300	-.18940	-.06995
-3.921	1.514	-.00013	.01633	.00884	.00750	-.00788	.03357	-.13939	-.20663	-.08386
-3.900	1.499	.00039	.01558	.00844	.00715	-.00752	.03204	-.13296	-.19964	-.08464
-3.901	1.497	.00080	.01557	.00845	.00712	-.00749	.03208	-.13315	-.19870	-.08535
-3.917	1.560	.00015	.01494	.00806	.00688	-.00723	.03062	-.12711	-.19379	-.06987
-3.914	1.570	-.00152	.01563	.00846	.00717	-.00754	.03212	-.13351	-.20390	-.07761
-3.901	1.548	.00028	.01590	.00860	.00730	-.00768	.03268	-.13576	-.20252	-.07890
-3.890	1.540	-.00130	.01543	.00834	.00709	-.00745	.03168	-.13148	-.19758	-.07857
-3.882	1.500	-.00089	.01451	.00787	.00664	-.00698	.02990	-.12410	-.18913	-.07724
-3.906	1.460	.00057	.01514	.00825	.00689	-.00724	.03135	-.13056	-.19696	-.09319
		.00192	-.00118	-.00085	-.00033	.00036	-.00324	.01793	.04909	.12778

GRADIENT

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1,2 (TCDAI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT IEABOX = .000
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT IB-ELV = 10.000 OB-ELV = 9.000
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

PARAMETRIC DATA

RUN NO. 7981/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CNB	CNBO	CNBF	CLMB	CAB	CPBAD	CPBAT	CPBAS
-3.986	.599	.00031	.01188	.00723	.00465	-.00492	.02746	.11931	-.21346	-.17747
-3.973	.599	-.00159	.01192	.00717	.00475	-.00502	.02725	.11868	-.21380	-.17753
-3.995	.625	-.00155	.00173	.00164	.00009	-.00012	.00624	.03053	-.11963	-.08537
-3.983	.622	.00037	.01739	.01023	.00716	-.00756	.03886	.16761	-.26254	-.22154
-4.010	.638	.00038	.00959	.00589	.00370	-.00392	.02237	.09792	-.18771	-.15142
-4.036	.665	-.00162	.00916	.00564	.00352	-.00373	.02141	.09422	-.18378	-.14466
-4.058	.687	.00042	.00963	.00594	.00369	-.00391	.02255	.09830	-.14742	-.14742
-4.024	.709	.00028	.00885	.00551	.00333	-.00353	.02094	.09167	-.18182	-.13820
-4.052	.730	-.00153	.00892	.00557	.00335	-.00356	.02115	.09235	-.18090	-.13745
-4.060	.748	.00040	.00942	.00577	.00365	-.00387	.02191	.09580	-.18561	-.13789
-4.086	.766	-.00150	.00934	.00573	.00361	-.00382	.02177	.09505	-.18418	-.13519
-4.106	.786	.00042	.00930	.00564	.00366	-.00387	.02141	.09387	-.18280	-.13073
-4.014	.800	.00040	.01182	.00700	.00482	-.00509	.02660	.11552	-.20401	-.14733
-4.017	.800	.00050	.01130	.00671	.00458	-.00484	.02549	.11109	-.19977	-.14239
-4.008	.798	-.00141	.01182	.00700	.00482	-.00509	.02659	.11560	-.20434	-.14654
-4.022	.812	.00044	.00940	.00564	.00376	-.00397	.02142	.09395	-.18223	-.12641
-4.020	.818	-.00144	.01063	.00633	.00430	-.00454	.02405	.10504	-.19170	-.13330
-4.040	.832	.00047	.00890	.00536	.00355	-.00375	.02034	.08898	-.17563	-.11705
-4.058	.860	-.00148	.00743	.00449	.00294	-.00311	.01706	.07619	-.15891	-.09746
-4.117	.906	.00035	.00475	.00305	.00170	-.00181	.01160	.05161	-.13383	-.06808
-3.975	.901	.00035	.01078	.00628	.00450	-.00475	.02387	.10281	-.18591	-.11489
-3.985	.901	.00035	.01123	.00655	.00468	-.00494	.02487	.10731	-.18947	-.12062
-3.985	.900	-.00147	.01099	.00640	.00459	-.00485	.02429	.10483	-.18748	-.11673
-3.972	.892	.00023	.01267	.00731	.00536	-.00565	.02777	.11941	-.20323	-.13230
-4.003	.921	.00025	.00639	.00388	.00252	-.00266	.01472	.06467	-.14503	-.07837
-3.999	.921	.00032	.01069	.00619	.00450	-.00475	.02351	.10111	-.18404	-.11191
-3.988	.909	.00021	.01321	.00759	.00561	-.00592	.02885	.12331	-.20655	-.13485
-4.017	.940	.00027	.00917	.00535	.00383	-.00404	.02032	.08723	-.16906	-.09896
-4.024	.940	.00027	.00987	.00570	.00440	-.00472	.02166	.09298	-.17642	-.10543
-4.016	.940	.00023	.01057	.00609	.00448	-.00472	.02315	.09915	-.18112	-.11722
-3.998	.928	-.00153	.01215	.00696	.00519	-.00547	.02644	.11275	-.19766	-.12722
-4.029	.950	.00029	.01032	.00595	.00437	-.00461	.02262	.09695	-.17688	-.10945
-4.036	.950	.00023	.01017	.00584	.00433	-.00457	.02217	.09554	-.17643	-.10889
-4.031	.950	-.00154	.01028	.00592	.00436	-.00460	.02247	.09658	-.17655	-.10863
-4.012	.942	.00021	.01183	.00678	.00505	-.00533	.02576	.11044	-.19135	-.12245
-4.046	.958	-.00154	.00943	.00542	.00401	-.00423	.02060	.08907	-.16853	-.10181
-4.053	.959	.00025	.00976	.00561	.00416	-.00438	.02130	.09200	-.17021	-.10343
-4.033	.952	.00012	.01164	.00664	.00499	-.00526	.02523	.10849	-.18608	-.12064
-4.075	.974	.00028	.00846	.00487	.00359	-.00379	.01849	.08046	-.15468	-.09063
-4.083	.979	.00017	.00840	.00480	.00359	-.00379	.01821	.07921	-.15159	-.08819
-4.085	.979	-.00153	.00873	.00494	.00379	-.00399	.01877	.08165	-.15389	-.09101
-4.053	.962	.00026	.01261	.00711	.00550	-.00579	.02701	.11612	-.18841	-.12306
-4.087	.993	.00009	.00624	.00364	.00260	-.00275	.01382	.06091	-.13181	-.06916

IA613A(AEDC 16TF-829) B/L DT + ASRM+PLUMES S1,2

(TCOAI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

BETA = .000 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

RUN NO. 7981/ 0 RN/L = 2.67 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CNB	CNBO	CNBF	CLMB	CAB	CPBAO	CPBAT	CPBAS
-4.120	1.015	.00002	.00528	.00309	.00219	-.00231	.01172	-.05175	-.11769	-.05672
-3.981	1.018	-.00016	.00824	.00468	.00356	-.00375	.01777	-.07613	-.14305	-.06619
-3.980	1.016	-.00000	.00864	.00489	.00375	-.00395	.01856	-.07929	-.14778	-.06897
-3.981	1.019	-.00009	.00829	.00469	.00360	-.00379	.01782	-.07655	-.14324	-.06623
-3.978	1.024	-.00014	.00744	.00421	.00323	-.00340	.01600	-.06867	-.13666	-.05630
-3.992	1.029	-.00186	.01117	.00617	.00500	-.00526	.02343	-.09826	-.17147	-.07361
-4.007	1.049	-.00039	.00770	.00426	.00343	-.00361	.01619	-.06819	-.13974	-.04327
	GRADIENT	.00060	-.00329	-.00322	-.00007	.00013	-.01222	.05821	.11279	.21452

IA613A(AEDC 16TF-829) B/L DT + ASRM+PLUMES S1,2 (TCOBI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

BETA = .0000 IEABOX = .0000
 IB-ELV = 10.0000 OB-ELV = 9.0000

RUN NO. 7982/ 0 RN/L = 2.66

PARAMETRIC DATA

ALPHA	MACH	BETA	CNB	CNBO	CNBF	CLMB	CAB	CPBAO	CPBAT	CPBAS
-4.002	1.048	.00051	.01610	.00883	.00727	-.00765	.03355	-.14019	-.21735	-.11662
-4.000	1.042	.00032	.01401	.00765	.00635	-.00668	.02907	-.12139	-.19848	-.09438
-4.012	1.040	.00045	.01298	.00709	.00589	-.00620	.02694	-.11269	-.18963	-.08334
-3.999	1.064	.00058	.00679	.00375	.00304	-.00320	.01425	-.05981	-.13144	-.03421
-3.987	1.063	.00062	.01895	.01031	.00864	-.00908	.03917	-.16389	-.24547	-.13429
-4.000	1.059	.00051	.01883	.01023	.00864	-.00904	.03886	-.16247	-.24309	-.13333
-4.003	1.041	.00038	.02210	.01201	.01009	-.01061	.04562	-.19102	-.27172	-.15969
-4.014	1.078	.00217	.01866	.01013	.00853	-.00897	.03849	-.16127	-.24107	-.13418
-4.012	1.079	.00053	.02146	.01165	.00981	-.01032	.04424	-.18534	-.26902	-.16184
-4.007	1.080	.00219	.02139	.01162	.00977	-.01027	.04412	-.18489	-.26772	-.16000
-4.006	1.080	.00056	.02137	.01162	.00975	-.01025	.04414	-.18495	-.26701	-.15946
-4.004	1.080	.00045	.02147	.01168	.00979	-.01030	.04435	-.18574	-.26872	-.16317
-4.007	1.080	.00055	.02142	.01165	.00977	-.01028	.04423	-.18523	-.26805	-.16093
-4.008	1.080	.00047	.02136	.01161	.00975	-.01025	.04412	-.18473	-.26750	-.16048
-4.009	1.080	.00058	.02121	.01154	.00967	-.01017	.04382	-.18348	-.26630	-.15965
-4.001	1.080	.00054	.02143	.01165	.00978	-.01029	.04424	-.18524	-.26855	-.16200
-4.000	1.075	.00058	.02216	.01206	.01010	-.01062	.04580	-.19184	-.27504	-.16755
-3.939	1.069	.00231	.01461	.00796	.00665	-.00700	.01517	-.06593	-.13144	-.06408
-3.925	1.079	.00219	.02085	.00950	.00950	-.00999	.03023	-.12642	-.20439	-.09730
-3.930	1.100	.00196	.01876	.01020	.00855	-.00899	.04310	-.18050	-.26314	-.15819
-3.843	1.162	.00051	.01176	.00640	.00536	-.00564	.02432	-.10196	-.17848	-.07547
-4.004	1.101	.00181	.01868	.01020	.00848	-.00892	.03875	-.16250	-.24335	-.14584
-3.996	1.100	.00184	.01877	.01025	.00852	-.00896	.03892	-.16332	-.24419	-.14759
-3.979	1.089	.00111	.02051	.01116	.00935	-.00983	.04240	-.17770	-.25904	-.15304
-3.957	1.080	.00182	.02066	.01126	.00940	-.00988	.04279	-.17925	-.26036	-.15167
-3.965	1.081	.00010	.02209	.01204	.01005	-.01057	.04573	-.19161	-.27242	-.16549
-3.972	1.083	.00024	.02068	.01127	.00941	-.00990	.04280	-.17938	-.26058	-.15820
-3.935	1.137	.00010	.02072	.01130	.00941	-.00990	.04294	-.17995	-.26011	-.15764
-3.935	1.147	.00179	.01344	.00736	.00598	-.00630	.02770	-.11646	-.19178	-.11135
-3.934	1.150	.00018	.01381	.00609	.00609	-.00640	.02794	-.11993	-.19259	-.09448
-3.930	1.150	.00185	.01390	.00759	.00627	-.00659	.02865	-.11993	-.19533	-.09412
-3.923	1.133	.00174	.01671	.00913	.00653	-.00683	.02084	-.12084	-.19609	-.09457
-3.920	1.027	.00004	.02774	.01257	.00759	-.00798	.03466	-.14532	-.22040	-.11836
-3.880	.986	.00028	.01054	.00602	.01257	-.01322	.05760	-.24110	-.32488	-.21175
-4.083	1.006	.00032	.00496	.00301	.00451	-.00476	.02288	-.09869	-.16223	-.10758
-4.065	1.092	.00177	.01388	.00755	.00633	-.00666	.01143	-.05075	-.11631	-.05830
-4.008	1.151	.00185	.01222	.00671	.00633	-.00666	.02867	-.12014	-.19459	-.09854
-4.016	1.185	.00020	.01143	.00519	.00552	-.00580	.02548	-.10741	-.18399	-.10556
-4.012	1.198	.00022	.01269	.00620	.00519	-.00546	.02369	-.09916	-.17468	-.07309
-4.051	1.246	.00185	.01304	.00690	.00579	-.00609	.02621	-.10985	-.18521	-.07934
-4.042	1.250	.00014	.01339	.00711	.00594	-.00624	.02700	-.11311	-.18582	-.08602
				.00729	.00611	-.00642	.02767	-.11602	-.18723	-.08544

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

(TCOCI1) (29 JUL 92)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
LREF = 474.8100 INCHES YMRP = .0000 IN. YT
BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
SCALE = .0300

PARAMETRIC DATA

BETA = .000 IEABOX = .000
IB-ELV = 10.000 OB-ELV = 9.000

RUN NO. 7983/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

ALPHA	MACH	BETA	CNB	CNBO	CNBF	CLMB	CAB	CPBAO	CPBAT	CPBAS
-4.038	1.251	-.00190	.01383	.00753	.00630	-.00662	.02862	-.11990	-.19180	-.09035
-4.037	1.236	-.00113	.01551	.00844	.00707	-.00743	.03208	-.13432	-.20547	-.10435
-4.030	1.227	-.00185	.01467	.00799	.00667	-.00702	.03036	-.12707	-.20073	-.09656
-4.029	1.228	-.00003	.01431	.00780	.00651	-.00685	.02963	-.12403	-.19720	-.09260
-4.045	1.253	-.00184	.01289	.00703	.00586	-.00616	.02672	-.11187	-.18297	-.08351
-4.046	1.263	-.00006	.01333	.00727	.00606	-.00638	.02761	-.11583	-.18603	-.08535
-4.048	1.272	-.00174	.01318	.00718	.00601	-.00632	.02725	-.11415	-.18358	-.08232
-4.046	1.280	.00006	.01350	.00734	.00617	-.00649	.02786	-.11661	-.18645	-.08582
-4.043	1.294	-.00005	.01268	.00690	.00578	-.00608	.02621	-.10959	-.17769	-.07749
-4.054	1.307	-.00002	.01348	.00733	.00615	-.00647	.02786	-.11629	-.18541	-.08486
-4.046	1.311	-.00004	.01378	.00748	.00630	-.00662	.02841	-.11861	-.18654	-.08561
-4.061	1.321	-.00007	.01305	.00710	.00596	-.00626	.02696	-.11243	-.17910	-.07876
-4.043	1.327	-.00018	.01418	.00770	.00648	-.00681	.02945	-.12202	-.18834	-.08739
-4.038	1.326	-.00187	.01426	.00775	.00652	-.00685	.02942	-.12283	-.18891	-.08722
-4.043	1.332	-.00014	.01373	.00746	.00627	-.00659	.02835	-.11846	-.18516	-.08405
-4.047	1.342	-.00021	.01365	.00741	.00624	-.00656	.02816	-.11774	-.18411	-.08415
-4.038	1.346	-.00196	.01375	.00747	.00628	-.00661	.02838	-.11858	-.18415	-.08454
-4.042	1.362	-.00014	.01348	.00731	.00617	-.00649	.02775	-.11594	-.18134	-.07964
-4.043	1.354	-.00181	.01465	.00795	.00670	-.00705	.03021	-.12630	-.19248	-.08884
-4.039	1.356	-.00013	.01373	.00745	.00628	-.00660	.02830	-.11834	-.18447	-.08275
-4.043	1.362	-.00020	.01442	.00784	.00658	-.00692	.02977	-.12437	-.18885	-.08456
-4.057	1.367	-.00013	.01437	.00782	.00656	-.00690	.02969	-.12422	-.18919	-.08580
-4.106	1.376	-.00023	.01411	.00767	.00644	-.00677	.02915	-.12199	-.18679	-.08134
-3.990	1.382	-.00185	.01421	.00772	.00649	-.00683	.02933	-.12264	-.18733	-.08085
-3.986	1.390	-.00208	.01416	.00769	.00647	-.00681	.02922	-.12214	-.18611	-.07964
-3.988	1.407	-.00208	.01285	.00698	.00587	-.00617	.02650	-.11065	-.17349	-.06717
-3.993	1.404	-.00033	.01463	.00797	.00666	-.00700	.03026	-.12616	-.18786	-.08033
-4.002	1.388	-.00045	.01666	.00906	.00760	-.00800	.03441	-.14360	-.20580	-.09953
-3.974	1.278	-.00228	.02132	.01155	.00978	-.01028	.04386	-.18337	-.24568	-.13484
-3.955	1.360	-.00026	.01319	.00709	.00610	-.00641	.02693	-.11242	-.17241	-.06620
-4.018	1.381	-.00049	.01499	.00813	.00687	-.00722	.03087	-.12916	-.19380	-.09080
-4.028	1.378	-.00021	.01552	.00842	.00710	-.00746	.03199	-.13382	-.19924	-.09285
-4.036	1.383	-.00019	.01502	.00814	.00688	-.00723	.03093	-.12937	-.19568	-.08799
-4.041	1.393	-.00021	.01551	.00840	.00711	-.00748	.03191	-.13336	-.19717	-.08610
-4.046	1.402	-.00186	.01674	.00907	.00766	-.00806	.03446	-.14368	-.20564	-.08921
-4.056	1.410	.00001	.01641	.00891	.00750	-.00789	.03385	-.14121	-.20650	-.08794
-4.048	1.415	.00003	.01676	.00911	.00766	-.00805	.03458	-.14424	-.20902	-.08920
-4.049	1.419	-.00160	.01586	.00862	.00724	-.00761	.03276	-.13651	-.19896	-.08795
-4.048	1.421	.00024	.01599	.00870	.00729	-.00767	.03303	-.13768	-.20028	-.09243
-4.042	1.432	.00055	.01569	.00854	.00715	-.00752	.03244	-.13522	-.19745	-.09175
-4.046	1.448	.00056	.01485	.00808	.00677	-.00712	.03068	-.12770	-.18883	-.08505
-4.045	1.456	.00054	.01462	.00795	.00667	-.00702	.03019	-.12589	-.18683	-.07967
-4.053	1.463	.00071	.01448	.00786	.00662	-.00696	.02985	-.12423	-.18258	-.07800

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IA613A (AEDC 16TF-829) TABULATED FORCE DATA

(TCOICI1) (29 JUL 92)

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 7983/ 0 RN/L = 2.52 GRADIENT INTERVAL = -5.00/ 5.00

BETA = .000 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

ALPHA	MACH	BETA	CNB	CNBO	CNBF	CLMB	CAB	CPBAD	CPBAT	CPBAS
-4.048	1.468	.00082	.01428	.00775	.00652	-.00686	.02945	-.12248	-.18069	-.07594
-4.050	1.472	-.00085	.01441	.00782	.00658	-.00692	.02972	-.12380	-.18190	-.07659
-4.022	1.478	.00076	.01439	.00782	.00657	-.00691	.02970	-.12357	-.18195	-.07565
-3.885	1.484	.00068	.01412	.00766	.00646	-.00679	.02911	-.12115	-.18016	-.07370
-3.872	1.484	.00167	.01275	.00691	.00584	-.00614	.02625	-.10897	-.16705	-.06246
-3.872	1.542	-.00004	.01485	.00805	.00679	-.00714	.03059	-.12696	-.18634	-.07441
-3.863	1.550	-.00153	.01518	.00823	.00696	-.00731	.03125	-.12975	-.18856	-.07526
		.00283	.00195	.00098	.00097	-.00101	.00372	-.01226	.03440	.06510

(TCODI1) (29 JUL 92)

IA613A(AEDC 16TF-829) B/L OT + ASRM+PLUMES S1.2

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 474.8100 INCHES YMRP = .0000 IN. YT
 BREF = 936.6800 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300

RUN NO. 7984/ 0 RN/L = 2.49 GRADIENT INTERVAL = -5.00/ 5.00

BETA = .000 IEABOX = .000
 IB-ELV = 10.000 OB-ELV = 9.000

PARAMETRIC DATA

ALPHA	MACH	BETA	CNB	CNBO	CNBF	CLMB	CAB	CPBAD	CPBAT	CPBAS
-3.858	1.549	.00002	.01559	.00844	.00714	-.00751	.03207	-.13314	-.19183	-.07814
-3.866	1.549	-.00157	.01561	.00846	.00716	-.00752	.03212	-.13345	-.19213	-.07808
-3.865	1.549	-.00002	.01570	.00851	.00719	-.00756	.03232	-.13419	-.19251	-.07881
-3.870	1.549	.00003	.01569	.00851	.00718	-.00755	.03231	-.13412	-.19260	-.07840
-3.868	1.549	-.00002	.01567	.00850	.00717	-.00754	.03227	-.13399	-.19297	-.07870
-3.862	1.549	.00004	.01569	.00851	.00717	-.00754	.03234	-.13429	-.19271	-.07920
-3.864	1.519	.00051	.01472	.00798	.00674	-.00708	.03033	-.12598	-.18515	-.07780
-3.850	1.504	.00046	.01429	.00775	.00654	-.00688	.02944	-.12239	-.18032	-.07561
-3.861	1.492	.00049	.01414	.00767	.00647	-.00681	.02912	-.12134	-.17885	-.07288
-3.849	1.480	.00048	.01436	.00779	.00657	-.00691	.02961	-.12338	-.18130	-.07309
-3.887	1.464	.00040	.01485	.00807	.00677	-.00712	.03067	-.12773	-.18619	-.08351
		-.01023	.01680	.00891	.00789	-.00829	.03386	-.13512	-.14260	-.01632

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