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**AERODYNAMIC CHARACTERISTICS OF A CANARD-CONTROLLED  
MISSILE AT MACH NUMBERS OF 0.8, 1.3, AND 1.75**

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MISSILE AT MACH NUMBERS OF 0.8, 1.3, AND 1.75

Donald L. Kassner and Brian Wettlaufer\*

Ames Research Center

SUMMARY

A typical missile model with nose-mounted canards and cruciform tail surfaces was tested in the Ames 6- by 6-Foot Wind Tunnel to determine the contributions of the component aerodynamic surfaces to the static aerodynamic characteristics at Mach numbers of 0.8, 1.3, and 1.75 and Reynolds number of  $6.25 \times 10^5$ , based on body diameter. Data were obtained at angles of attack ranging from  $0^\circ$  to  $24^\circ$  for various stages of model "build-up" (i.e., with and without canard and/or tail surfaces). In addition, two different sets of canards and tail surfaces were investigated.

For the canard and tail arrangements investigated, the model was trimmable at angles of attack up to about  $7^\circ$  with canard deflections of about  $10^\circ$ . Also, the tail arrangements studied provided ample pitch stability.

INTRODUCTION

Some recent emphasis in missile technology has been in the area of developing a series of configurations with canard controls on the non-constant-diameter nose portion of the missile. The objectives have been to provide both terminal guidance and high maneuverability during the flight. Of concern is the influence of the canard-control surfaces on the missile-tail effectiveness caused by the trailing vortices from the canards. Present predictive techniques (e.g., ref. 1) have been demonstrated to be inadequate, particularly for the case of the canards located on nonconstant-diameter regions of the missile (e.g., the nose). Accordingly, an extensive series of wind-tunnel tests has been performed to provide basic experimental data to be used in developing the required improved predictive techniques.

This test addressed itself to the determination of the aerodynamic characteristics of a typical missile model with and without canards and/or tail surfaces at Mach numbers of 0.8, 1.3, and 1.75. Data were obtained

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at angles of attack from  $0^\circ$  to  $24^\circ$  and canard-deflection angles of  $0^\circ$ ,  $5^\circ$ ,  $10^\circ$  and  $15^\circ$ . Similar data for Mach numbers of 1.5 and 2.0 are presented in references 2 through 4.

## NOMENCLATURE

The axis systems and sign convention are shown in figures 1 and 2. Data are presented in the unrolled body-axis coordinate system. Because the data were computer-plotted, the corresponding plot symbol, where used, is given together with the conventional symbol.

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$C_A$	CA	missile axial-force coefficient in unrolled body-axis system; axial force/ $S_{REF}q_\infty$
$C_\ell$	CBL	missile rolling-moment coefficient in unrolled body-axis system; body rolling moment/ $S_{REF}q_\infty \ell_{REF}$
$C_\ell^{C(B)}$	CRMC	rolling-moment coefficient in body-axis system for canard panels summed together
$C_\ell^{C(B)+T(B)}$	CRMB	rolling-moment coefficient in body-axis system for all canard and tail panels summed together
$C_\ell^{T(B)}$	CRMT	rolling-moment coefficient in body-axis system for tail panels summed together
$C_m$	CM	missile pitching-moment coefficient measured in unrolled body-axis system; pitching moment/ $S_{REF}q_\infty \ell_{REF}$
$C_m^{C(B)}$	CMC	pitching-moment coefficient in unrolled body-axis system for canard panels summed together
$C_m^{C(B)+T(B)}$	CMB	pitching-moment coefficient in unrolled body-axis system for all canard and tail panels summed together
$C_m^{T(B)}$	CMT	pitching-moment coefficient in unrolled body-axis system for tail panels summed together
$C_N$	CN	missile normal-force coefficient in unrolled body-axis system; body normal force/ $S_{REF}q_\infty$
$\beta$	BETA	angle of sideslip, deg.

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$C_{N_{C(B)}}$	CNC	normal-force coefficient in unrolled body-axis system for canard panels summed together
$C_{N_{C(B)+T(B)}}$	CNB	normal-force coefficient in unrolled body-axis system for all canard and tail panels summed together
$C_{N_{T(B)}}$	CNT	normal-force coefficient in unrolled body-axis system for tail panels summed together
$C_n$	CYM	missile yawing-moment coefficient in unrolled body-axis system; body yawing moment/ $S_{REF} q_{\infty} l_{REF}$
$C_{n_{C(B)}}$	CYMC	yawing-moment coefficient in unrolled body-axis system for canard panels summed together
$C_{n_{C(B)+T(B)}}$	CYMB	yawing-moment coefficient in unrolled body-axis system for all canard and tail panels summed together
$C_{n_{T(B)}}$	CYMT	yawing-moment coefficient in unrolled body-axis system for tail panels summed together
$C_Y$	CY	missile side-force coefficient in unrolled body-axis system; body side force/ $S_{REF} q_{\infty}$
$C_{Y_{C(B)}}$	CYC	side-force coefficient in unrolled body-axis system for canard panels summed together
$C_{Y_{C(B)+T(B)}}$	CYB	side-force coefficient in unrolled body-axis system for all canard and tail panels summed together
$C_{Y_{T(B)}}$	CYT	side-force coefficient in unrolled body-axis system for tail panels summed together
$l_{REF}$	LREF	reference length for all coefficients (missile body diameter for cylindrical portion); 12.70 cm (0.417 ft)
$M_{\infty}$	MACH	free-stream Mach number
$q_{\infty}$	Q	free-stream dynamic pressure
$S_{REF}$	SREF	reference area for all coefficients (cross-sectional area of cylindrical portion of center body); 126.7 cm <sup>2</sup> (0.136 ft <sup>2</sup> )

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$\alpha$	ALPHA	angle of attack, deg
$\phi_C$	PHI-C	missile roll angle, deg
$\phi_T$	PHI-T	interdigitation angle between canard and tail panels, deg

#### Control Surface Code

$\delta_{C_X}$	D(X)	deflection angle of canard panel number X, (X = 1, 2, 3, 4); see figure 2
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#### Configuration Code

B	B	body
$C_1$	C1	small canards (aft position)
$C_2$	C2	small canards (mid position)
$C_3$	C3	small canards (forward position)
$C_4$	C4	large canards (mid position)
$C_6$	C6	large canards (aft position)
$C_7$	C7	small canards (mid position)
$N_1$	N1	sharp nose
$N_2$	N2	blunt nose
$N_3$	N3	semiblunt nose
$T_1$	T1	tail panels (aft position)
$T_2$	T2	tail panels (mid position)

## TEST FACILITY

The Ames Research Center 6- by 6-Foot Wind Tunnel is a variable-pressure, continuous-flow, closed-return type facility. The nozzle leading to the test section is of the asymmetric sliding-block type which permits a continuous variation of Mach number from 0.25 to 2.3. The test section has a perforated floor and ceiling with provisions for removal of boundary-layer flow at transonic Mach numbers.

## MODEL DESCRIPTION

The model and its components are shown in figure 3. The model was a sting-mounted body of revolution, 12.70 cm in diameter and 132.08 cm in length, as shown in figure 3(a). Three nose shapes were used: a pointed, three-caliber tangent ogive and two blunted, three-caliber tangent ogives, as shown in figure 3(b). The model used six sets of four canard fins and two sets of four tail fins, all with various aspect ratios, as shown in figures 3(c) and 3(d), respectively. The dimensions of the canard and tail fins are given in table 1. The locations of the canards and tails on the body are indicated in the nomenclature and figure 3(a). Each of the four canards and four tail fins had a three-component balance mounted inside the body. The four tail fins had a fixed incidence angle of  $0^\circ$ . Each canard had a variable incidence angle that was remotely controlled and monitored from outside the tunnel. The tail fins were rolled at angles of  $0^\circ$  and  $-45^\circ$  with respect to the canards. The total model loads were measured on a 5.1-cm (2-in) six-component balance (Task MKIIIE) furnished by Ames.

Model photographs are presented in figure 4.

## TESTING AND PROCEDURE

The investigation was conducted at Mach numbers of 0.8, 1.3, and 1.75 and at a Reynolds number of  $6.25 \times 10^5$ , based on body diameter. Data were obtained at angles of attack from  $0^\circ$  to  $24^\circ$  and at canard incidence angles of  $0^\circ$ ,  $5^\circ$ ,  $10^\circ$  and  $15^\circ$ . The experimental data, presented as a function of angle of attack, were obtained from pitch sweeps at a constant canard-deflection angle. An angle transducer, mounted on the aft end of the model support, was used to measure the angle of attack of the model.

## DATA REDUCTION

The six-component main balance forces and moments were corrected for weight tares and reduced to coefficients in the unrolled body-axis system,

as shown in figure 1. The moment reference center for all body-axis coefficients was at model station 66 (one-half the length of the sharp-nosed body in figure 3(a)). All force and moment coefficients were based upon the following dimensions:

$$S_{REF} = 126.7 \text{ cm}^2 (0.136 \text{ ft}^2)$$

$$l_{REF} = 12.70 \text{ cm} (0.417 \text{ ft})$$

The three-component fin balance forces and moments for each canard and tail panel were reduced to normal-force, pitching-moment, and root bending-moment coefficients about an axis system in the plane of the fin, as shown in figure 2. These fin coefficients were then summed together in two groups, canards and tails, and reduced to coefficients in an axis system about the model centerline. They were then further reduced to coefficients about the moment reference center in the unrolled body-axis system. Coefficients were obtained for each axis system.

The angle of attack was corrected for flow angularity and sting deflections. Stream-angle corrections used to correct for flow angularity were based on data taken during the investigation.

## RESULTS AND DISCUSSION

Computer-plotted data of  $C_N$ ,  $C_m$ ,  $C_A$ ,  $C_y$ ,  $C_n$ , and  $C_l$  vs  $\alpha$  are presented in figures 5 through 8. The missile model was at  $\phi = 0$  for all results presented in this report.

### Body-Alone Characteristics

Body-alone characteristics for configuration BN3 are shown in figure 5 for Mach numbers of 0.8, 1.3, and 1.75 and angles of attack from  $0^\circ$  to  $24^\circ$ . As in previous body-alone tests (e.g., ref. 5),  $C_N$  increases not only with  $\alpha$  but with an increase in Mach number from subsonic to supersonic. The increase in  $C_N$  with increase in Mach number from  $M_\infty = 0.8$  (subsonic) to  $M_\infty = 1.75$  (supersonic) is generally in accord with that which would be predicted from crossflow theory (refs. 6 and 7) for bodies of revolution.

It is interesting to note that at  $M_\infty = 0.8$ , reasonably large side-force and yawing-moment coefficients were obtained at angles of attack greater than about  $19^\circ$ , even though the body was at zero sideslip ( $\beta = 0^\circ$ ). Undesirable side forces and yawing moments have been shown to accompany the formation of asymmetric separation and vortex patterns for bodies alone at subsonic Mach numbers (e.g., ref. 7). Fortunately, the side forces and



yawing moments virtually disappear with increase in Mach number into the supersonic regime.

### Body-Tail Characteristics

Body-tail characteristics for configuration BN3T2 are presented in figure 6 for Mach numbers of 0.8 and 1.75. The circular symbols represent the results for the body with tail (BN3T2) while the square symbols represent the results for the tail alone (summation of four tail panels in the presence of the body).

Generally, the tail (T2) developed at least half the total  $C_N$  for  $\alpha$  up to about  $12^\circ$ . At higher  $\alpha$ , the tail became less effective than the body and developed less than half of the total  $C_N$  for the combination. By comparing the  $C_m$  results of figures 5 and 6, one can observe the strong effect of the tail in providing stability in the pitch plane. Also, it can be seen in figure 6 that the  $C_m$  vs  $\alpha$  results for the body plus tail are not greatly different from those for the tail alone.

The side-force and yawing-moment coefficients for the body plus tail and the tail (in the presence of the body) were generally not large at either  $M_\infty = 0.8$  or 1.75. At  $M_\infty = 0.8$ , the unwanted side-force and yawing-moment coefficients measured for the body alone at  $\alpha$  greater than about  $19^\circ$  (figure 5) were generally less with the tail present (fig. 6).

### Body-Canard Characteristics

Body-canard characteristics for configuration BN3C6 are presented in figure 7 for Mach numbers of 0.8, 1.3, and 1.75. The circular symbols represent the results for the body with canard (BN3C6) while the square symbols represent the results for the canard alone (summation of four canard panels in the presence of the body). Results are presented first for all the canard panels (position  $X = 1, 2, 3, 4$ ) undeflected,  $\delta C_X = D(X) = 0^\circ$  (see fig. 2). Then results are presented for  $D2 = D4 = 5^\circ$ . Next, results are presented for  $D2 = D4 = 10^\circ$ . Finally, results are presented for  $D2 = D4 = 15^\circ$ . In all cases, the vertical panels (at positions 1 and 3) are undeflected ( $D1 = D3 = 0^\circ$ ).

Generally, the undeflected canard panels ( $D1 = D2 = D3 = D4 = 0^\circ$  for C6) developed less than half the total  $C_N$  at all of the test Mach numbers. Being located well forward of the pitching-moment reference center, the canard panels also contributed substantially to the unstable pitching-moment characteristics, typical of the body without tail fins. With change in panel deflection from  $D2 = D4 = 0^\circ$  to  $15^\circ$ , the unstable contribution of the canard panels decreased.

With addition of the canard panels (C6) to the body (BN3), the undesirable side forces and yawing moments for the body at the higher angles of attack ( $\alpha > 19^\circ$ ) were virtually eliminated. (For example, compare  $C_y$  results in figs. 5 and 7.)

### Body-Canard-Tail Characteristics

Body-canard-tail characteristics for configurations BN3C7T1 and BN3C6T2 are presented in figure 8 for Mach numbers of 0.8, 1.3, and 1.75. The circular symbols represent the results for the body BN3 with canard (C7 or C6) and tail (T1 or T2). The square symbols represent the results for the canard alone (summation of four panels in the presence of the body), and the diamond symbols represent the results for the tail alone (summation of four panels in the presence of the body). Finally, the triangular symbols represent the results for the canard plus tail in the presence of the body. As for the body-canard characteristics in figure 7, results are presented for the side canard panels (at positions 2 and 4) undeflected and deflected  $5^\circ$ ,  $10^\circ$ , and  $15^\circ$ . The top and bottom canard panels were, of course, always undeflected.

Generally, the canard plus tail (C7T1 or C6T2) developed about half the total  $C_N$  for  $\alpha$  up to about  $12^\circ$ . At higher  $\alpha$ , the body produced the most  $C_N$ . However, enough normal force was produced by the tail to produce stable  $C_m$  characteristics over most of the  $\alpha$  range. Also, the canards were generally effective in trimming the model ( $C_m = 0$ ) at angles of attack up to about  $7^\circ$  with panel deflections of  $10^\circ$ . There was little effect on trim angle with further increase in panel deflection to  $15^\circ$ . The reader, of course, can study the various results for each configuration,  $M_\infty$  and canard deflection angle.

### CONCLUDING REMARKS

A typical missile model with nose-mounted canards and cruciform tail surfaces was tested in the Ames 6- by 6-Foot Wind Tunnel to determine the contributions of the component aerodynamic surfaces to the static aerodynamic characteristics at Mach numbers of 0.8, 1.3, and 1.75 and Reynolds number of  $6.25 \times 10^5$ , based on body diameter. Data were obtained at angles of attack ranging from  $0^\circ$  to  $24^\circ$  for various stages of model "build-up" (i.e., with and without canard and/or tail surfaces). In addition, two different sets of canards and tail surfaces were investigated.

For the canard and tail arrangements investigated, the model was trimmable at angles of attack up to about  $7^\circ$  with canard deflections of about  $10^\circ$ . Also, the tail arrangements studied provided ample pitch stability.

April 6, 1977

#### REFERENCES

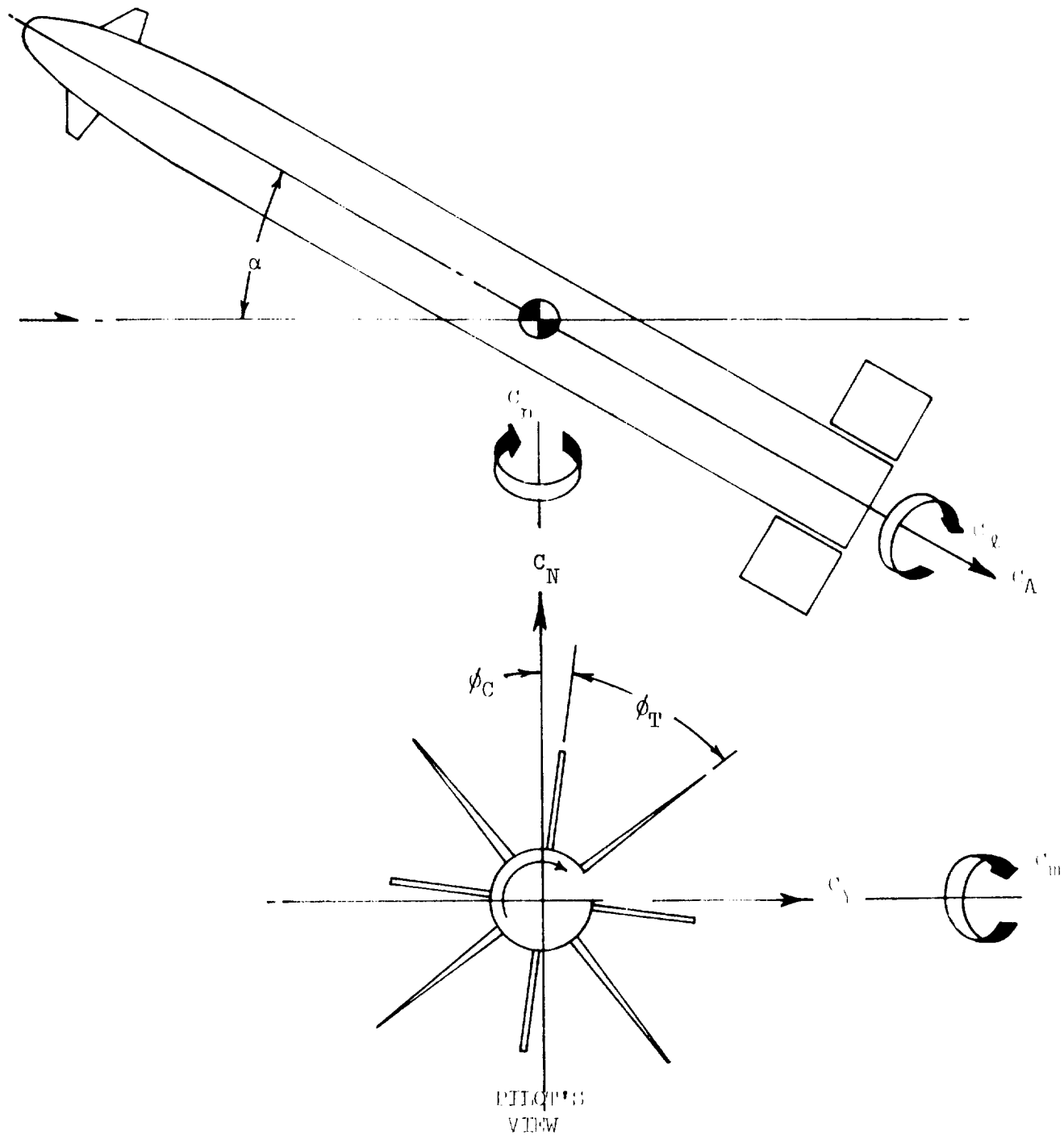
1. *Pitts, William C.; Nielsen, Jack N.; and Kaattari, George E.: Lift and Center of Pressure of Wind-Body-Tail Combinations at Subsonic, Transonic and Supersonic Speeds. NACA Rep. 1307, 1957.*
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6. *Jorgensen, Leland H.: Prediction of Static Aerodynamic Characteristics for Space Shuttle-Like and Other Bodies at Angles of Attack from 0° to 180° . NASA TN D-6996, 1973.*
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TABLE 1. - DIMENSIONS OF CONTROL PANELS<sup>a</sup>

	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>6</sub>	C <sub>7</sub>	T <sub>1</sub>	T <sub>2</sub>
A					45		0	45
B	1.68	1.68	1.68	2.40	2.54	2.37	3.18	3.81
C	5.08	5.08	5.08	7.18	10.16	7.18	12.70	17.78
D	.25	.25	.25	.36	.38	.36	.51	.51
E	3.81	3.81	3.81	5.39	9.53	3.56	6.35	8.89
F	2.11	2.11	2.11	2.98	4.37	2.98	5.72	7.62
G	.08	.08	.08	.08	.15	.17	.51	.51
H	0	0	0	0	0	.81	3.18	3.81
I	1.52	1.52	1.52	2.15		3.84	12.70	8.89
J	0	0	0	0	0	.81		
K	1.68	1.68	1.68	2.40	2.54	7.37		

<sup>a</sup>Note: all dimensions are in centimeters except "A", which is in degrees.

See control panel drawing, fig. 3(c).



NOTE: POSITIVE DIRECTIONS OF FORCE COEFFICIENTS, MOMENT COEFFICIENTS, AND ANGLES ARE INDICATED BY ARROWS.

FIGURE 1. - Axis System.

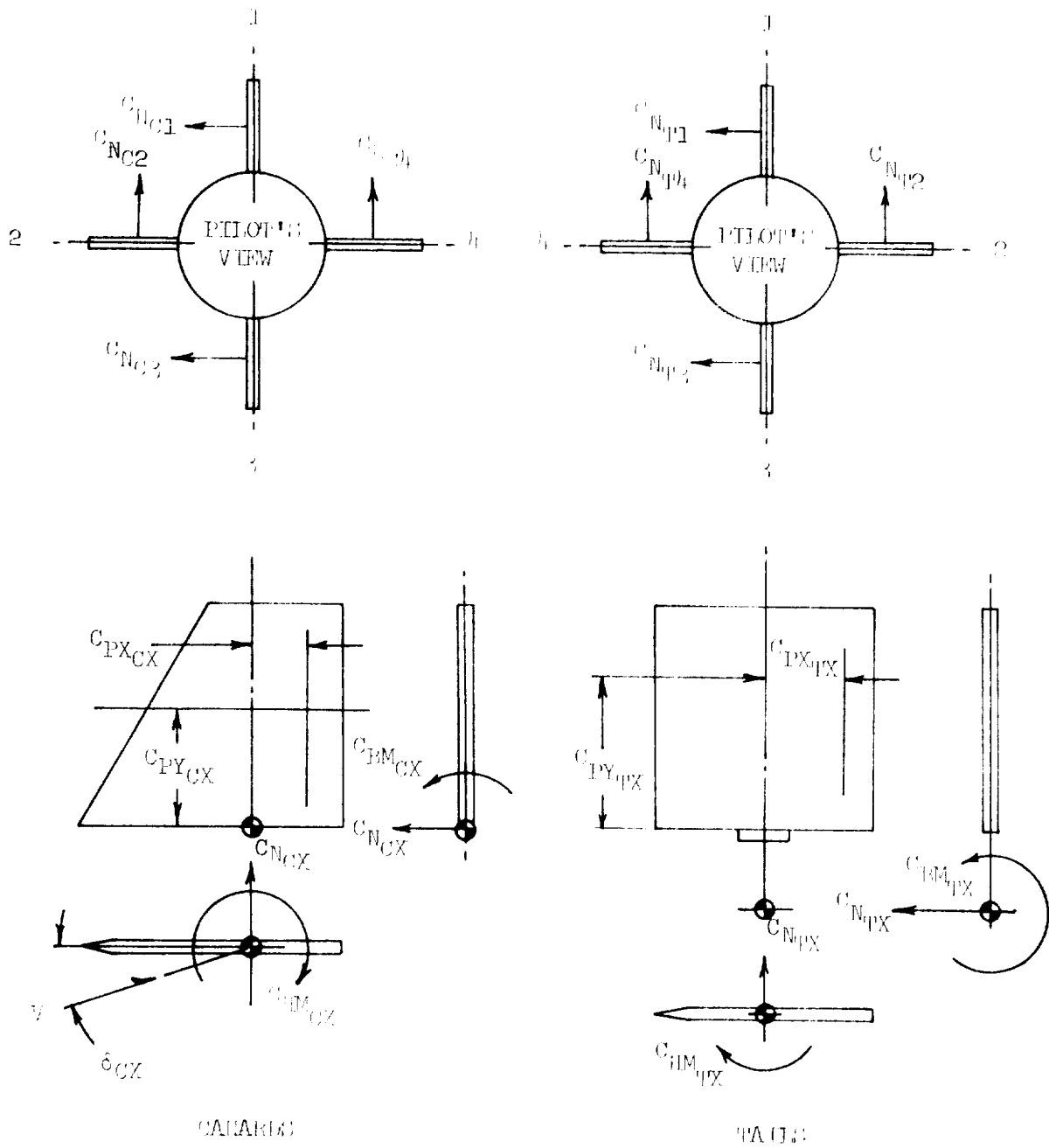
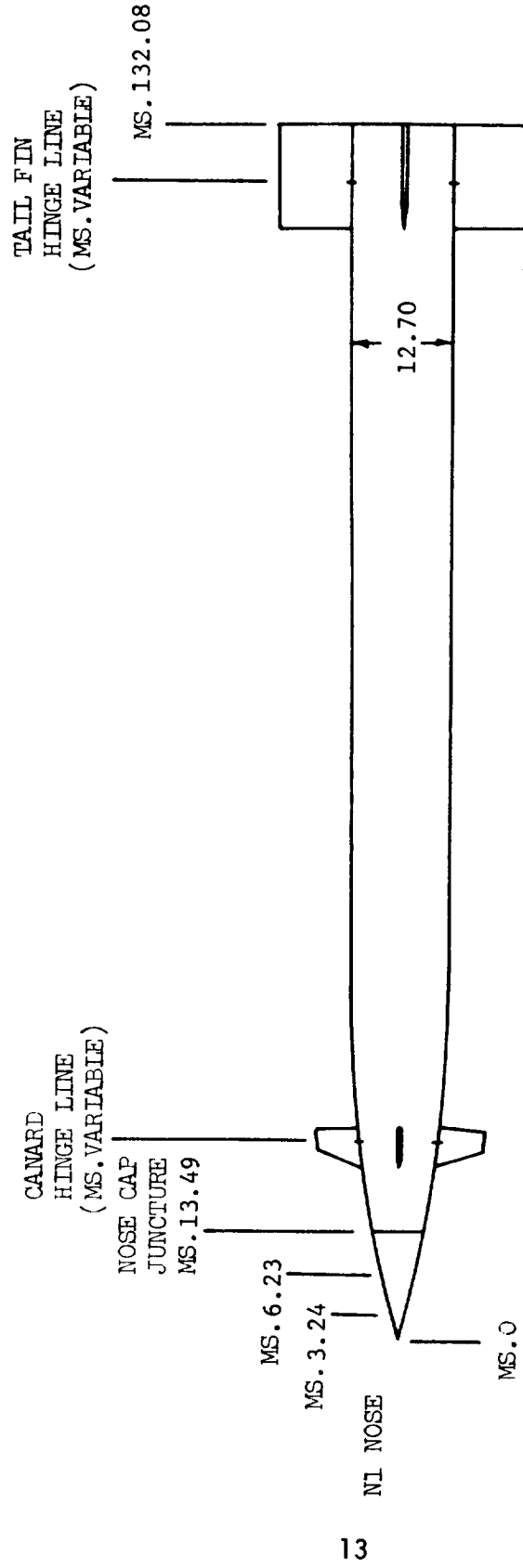


Figure 2. - Control panels sign convention.

NOTE: ALL DIMENSIONS ARE IN CENTIMETERS



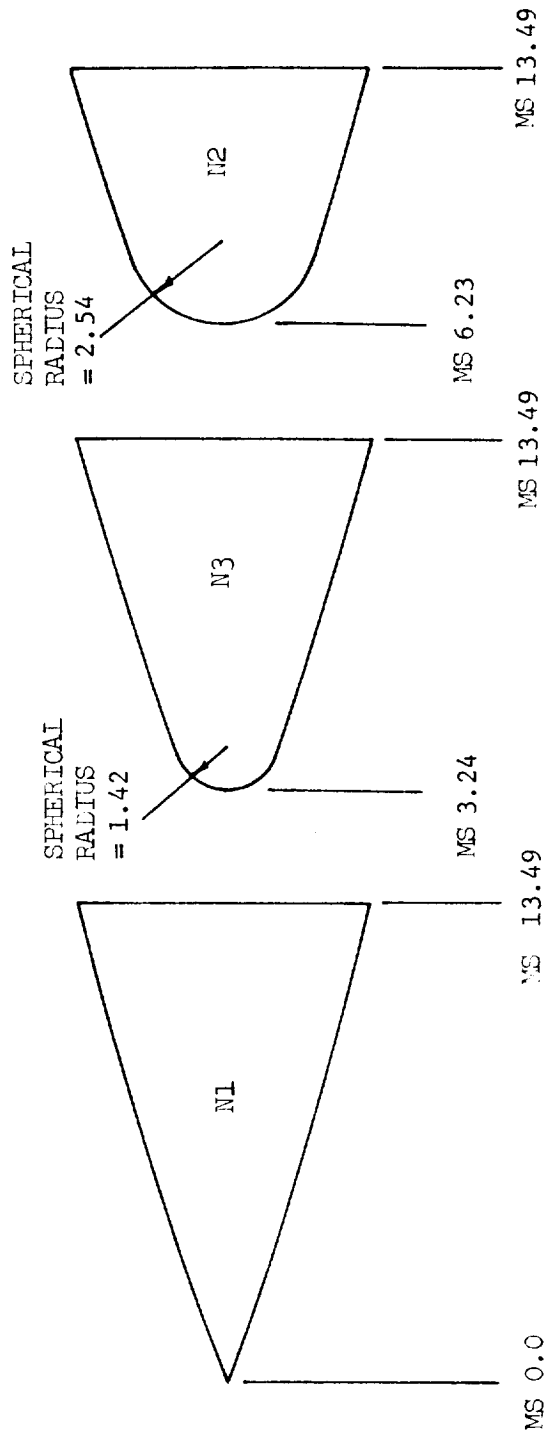
NOTE: MODEL IS AXIS SYMMETRIC, CANARD AND TAIL ARE CRUCIFORM CONFIGURATIONS AND MAY BE ALIGNED OR INTERDIGITATED

HINGE LINE LOCATION (MS.)	TAIL FIN POSITION
107.32	FWD
116.84	MID
126.37	AFT

HINGE LINE LOCATION (MS.)	CANARD POSITION
17.03	FWD
23.18	MID
38.10	AFT

(a) Basic model drawing

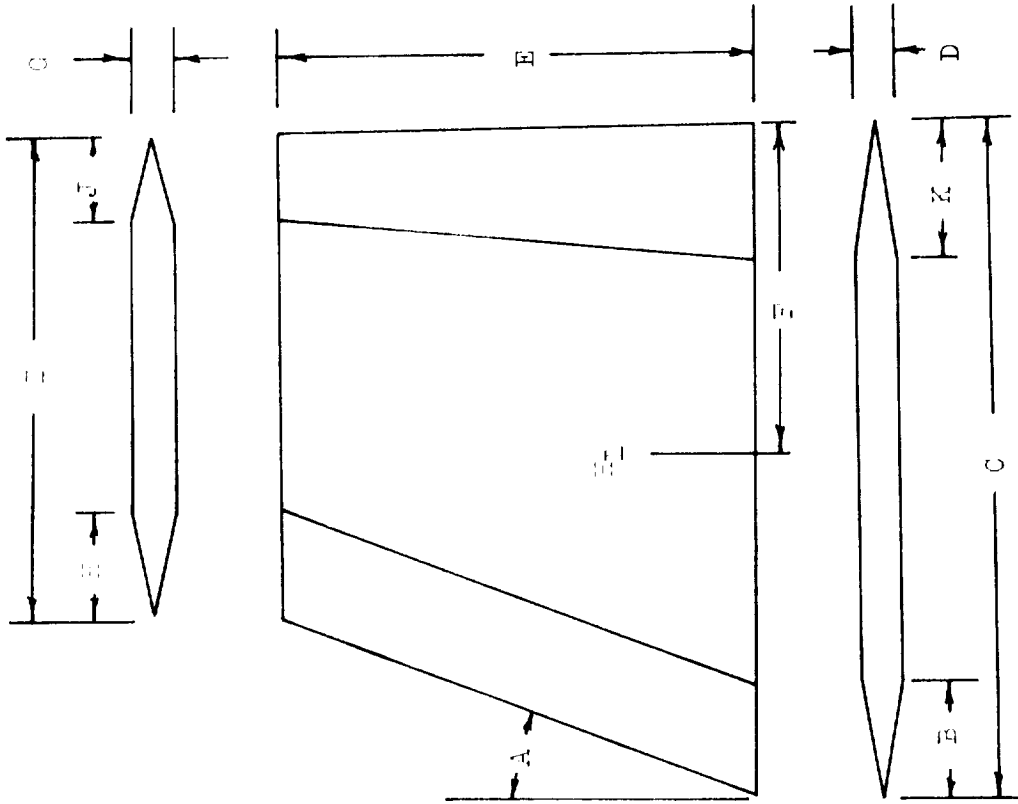
Figure 3. - Basic model and components



(b) Nose configuration

Figure 3. - Continued.

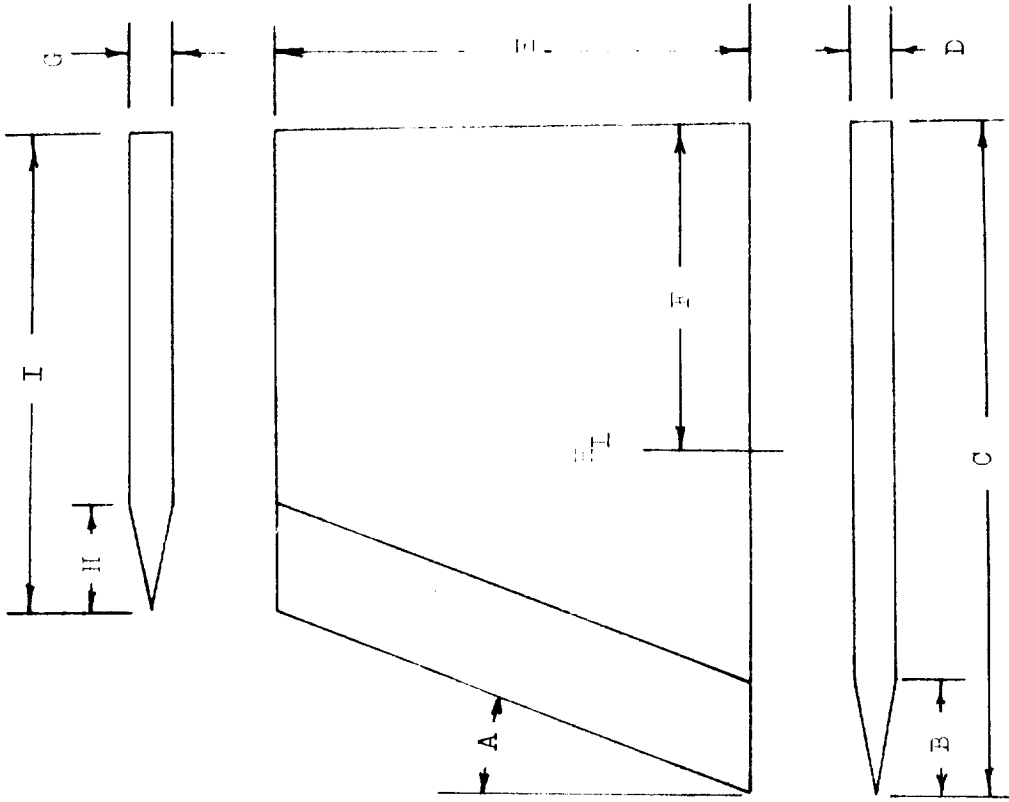




NOTE: SEE TABLE I FOR DIMENSIONS OF CONTROL PANELS

(c) Canard configurations

Figure 3. - Continued.



NOTE: SEE TABLE I FOR GEOMETRY OF CONTROL PANELS

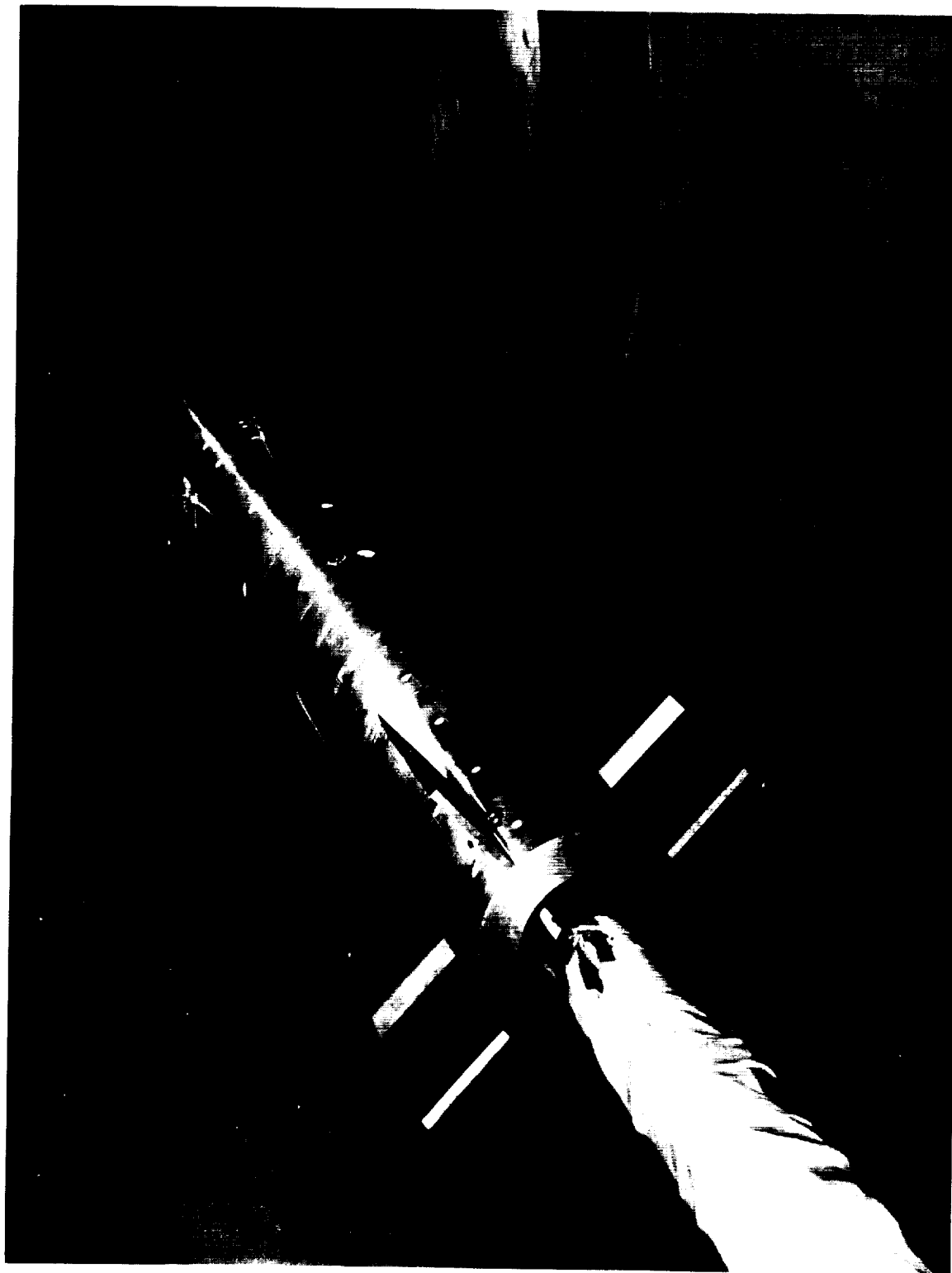
(d) Tail configuration

Figure 3. - Concluded.



(a) Three-quarter front view

Figure 4. - Model 1 photographs.



(b) Three-quarter rear view

Figure 4. - Concluded.

Data Figures



(0EZ346)

CONFIGURATION 22 (BN3)

SYMBOL	MACH	BETA	PARAMETRIC VALUES
	○	.799	
□	1.310		
◇	1.754		

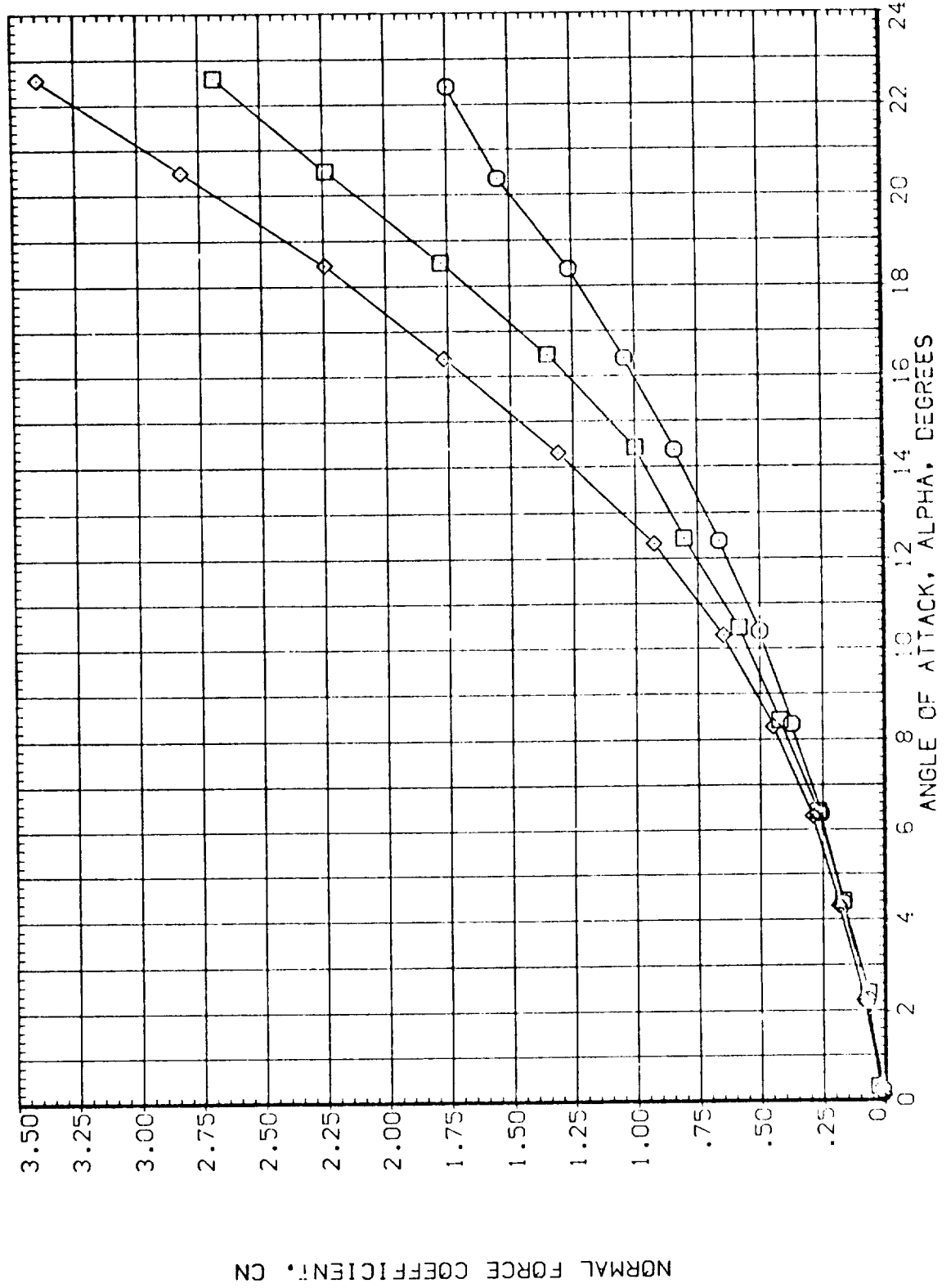


FIG. 5 BODY-ALONE CHARACTERISTICS

SYMBOL MACH BETA  
○ .799  
□ 1.310  
◇ 1.754

PARAMETRIC VALUES  
.000

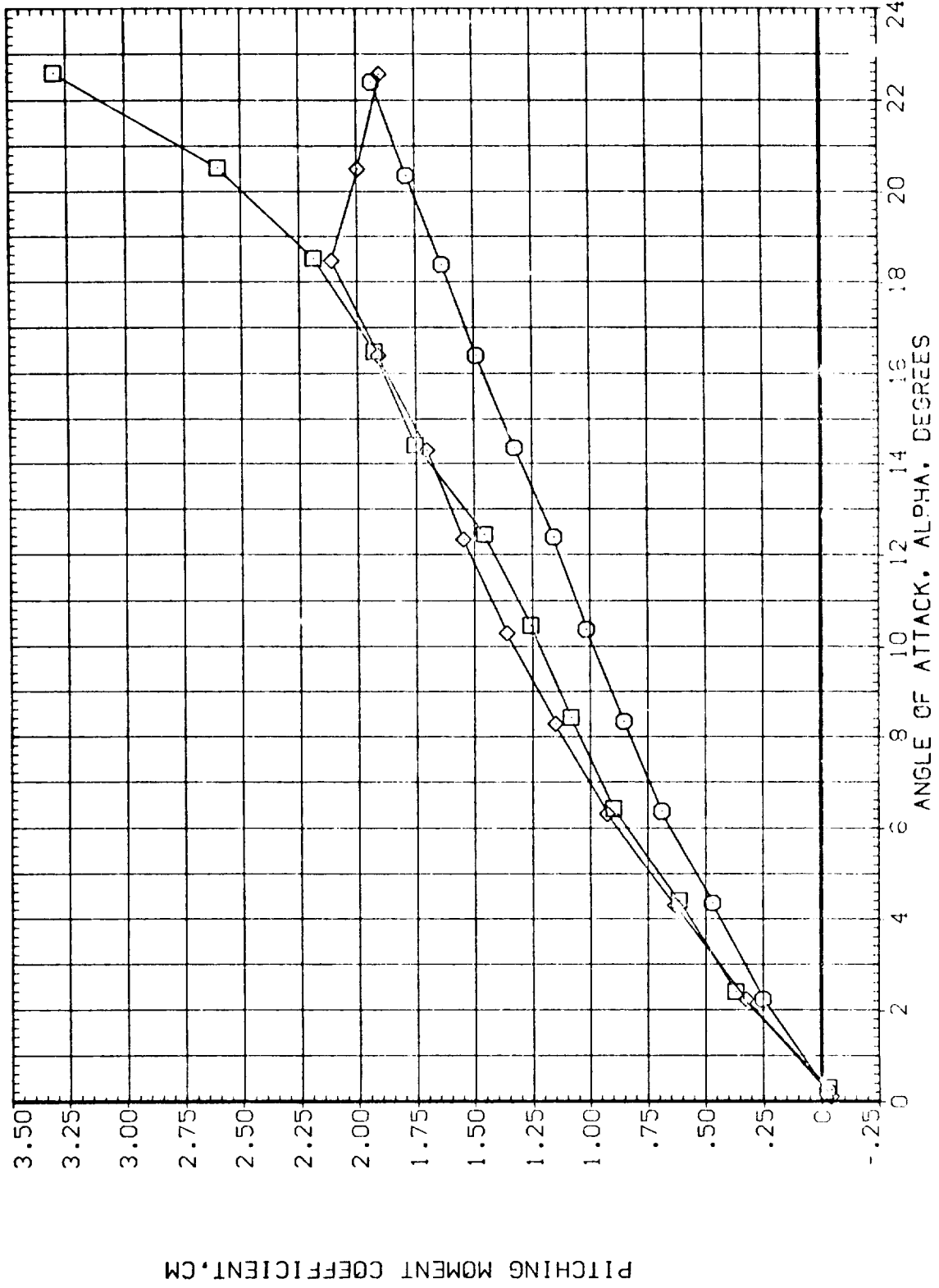


FIG. 5 BODY-ALONE CHARACTERISTICS



CONFIGURATION 22 (BN3)

(0EZ346)

SYMBOL	PARAMETRIC VALUES	
	MACH	BETA
○	.799	.000
□	1.310	.000
◇	1.754	.000

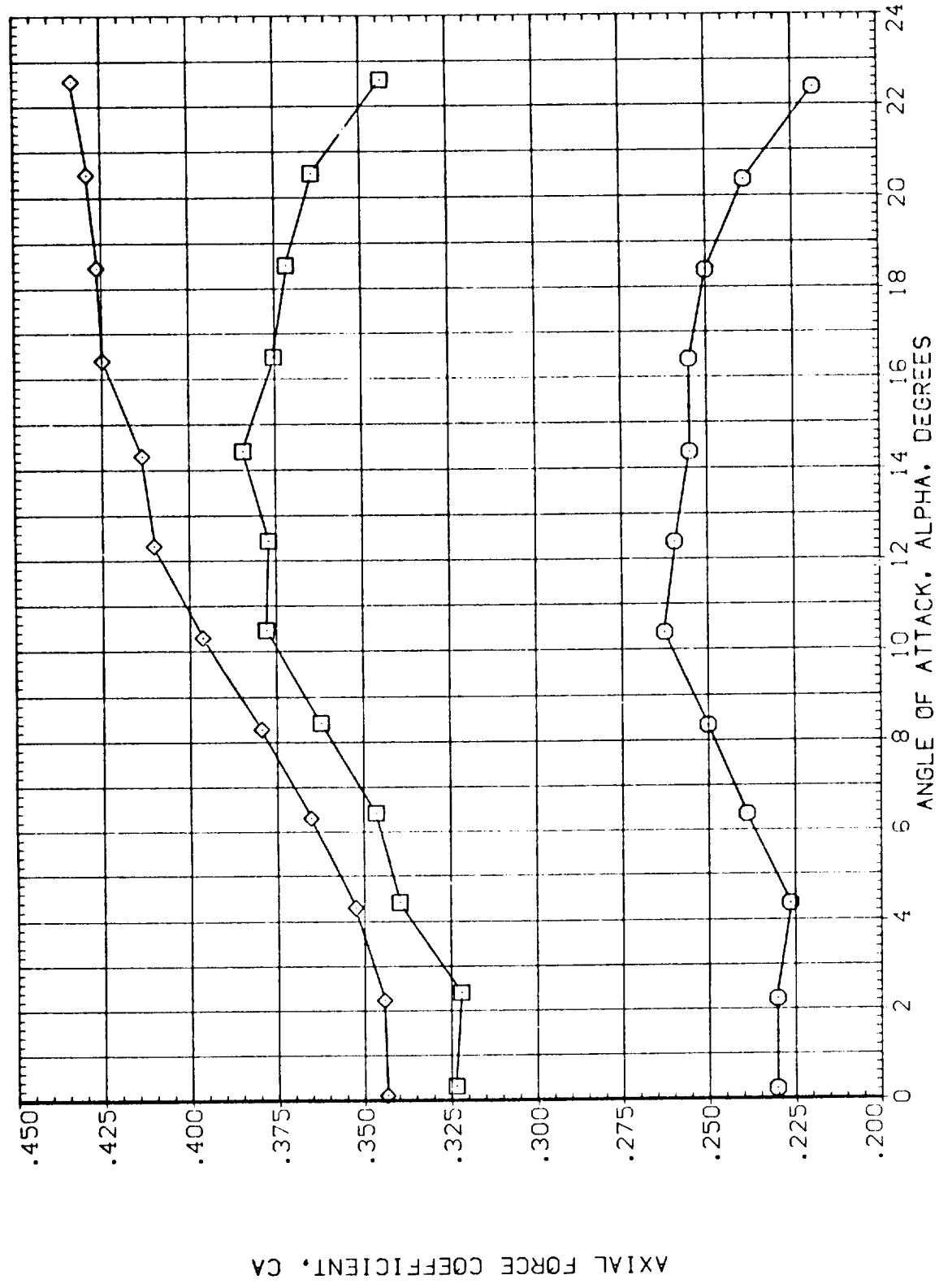


FIG. 5 BODY-ALONE CHARACTERISTICS

SYMBOL MACH BETA PARAMETRIC VALUES  
○ .799 .000  
□ 1.310  
◇ 1.754

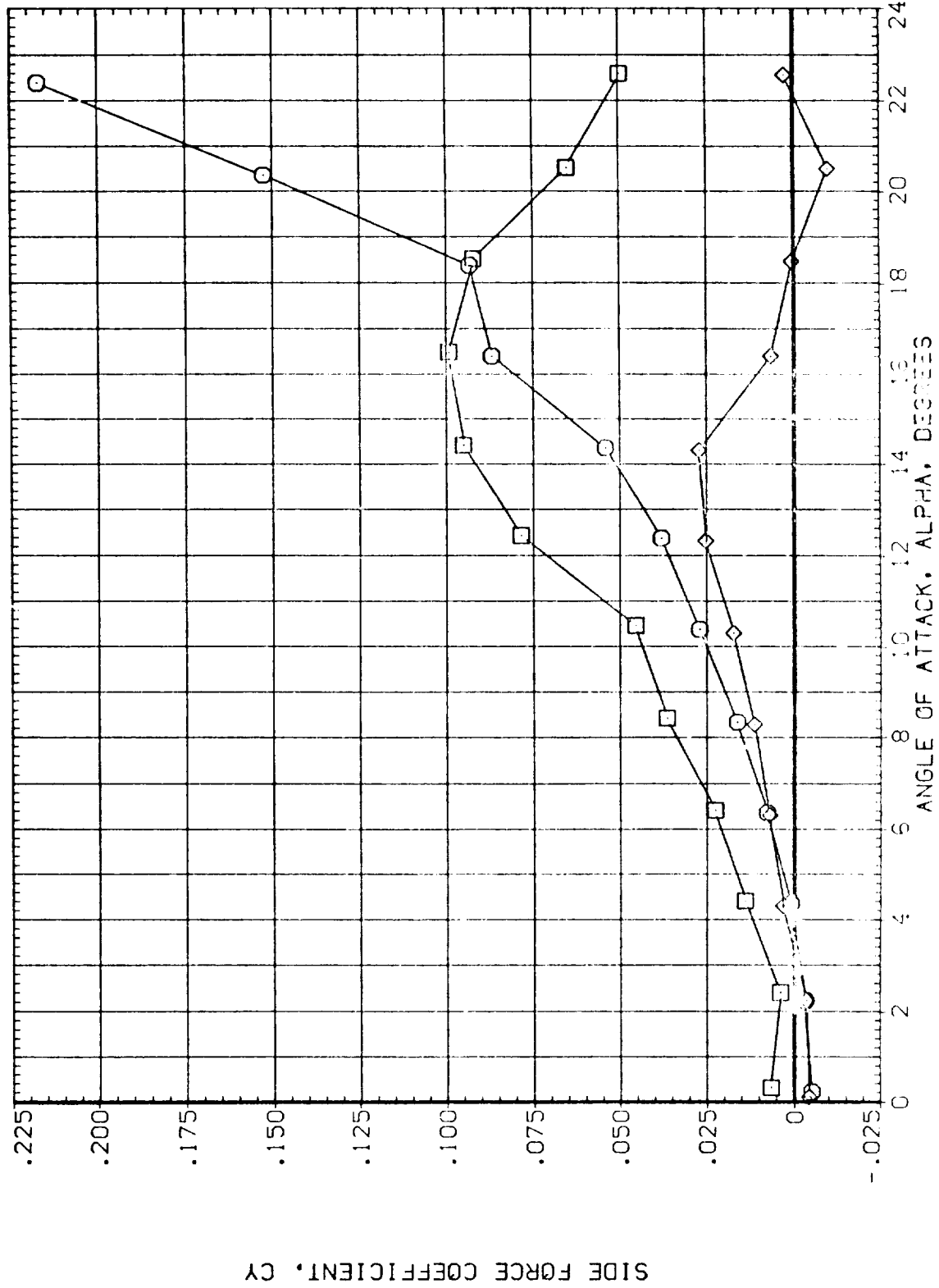


FIG. 5 BODY-ALONE CHARACTERISTICS

(0EZ346)

CONFIGURATION 22 (BN3)

SYMBOL	MACH	BETA	PARAMETRIC VALUES
○	.799		.000
□	1.310		
◇	1.754		

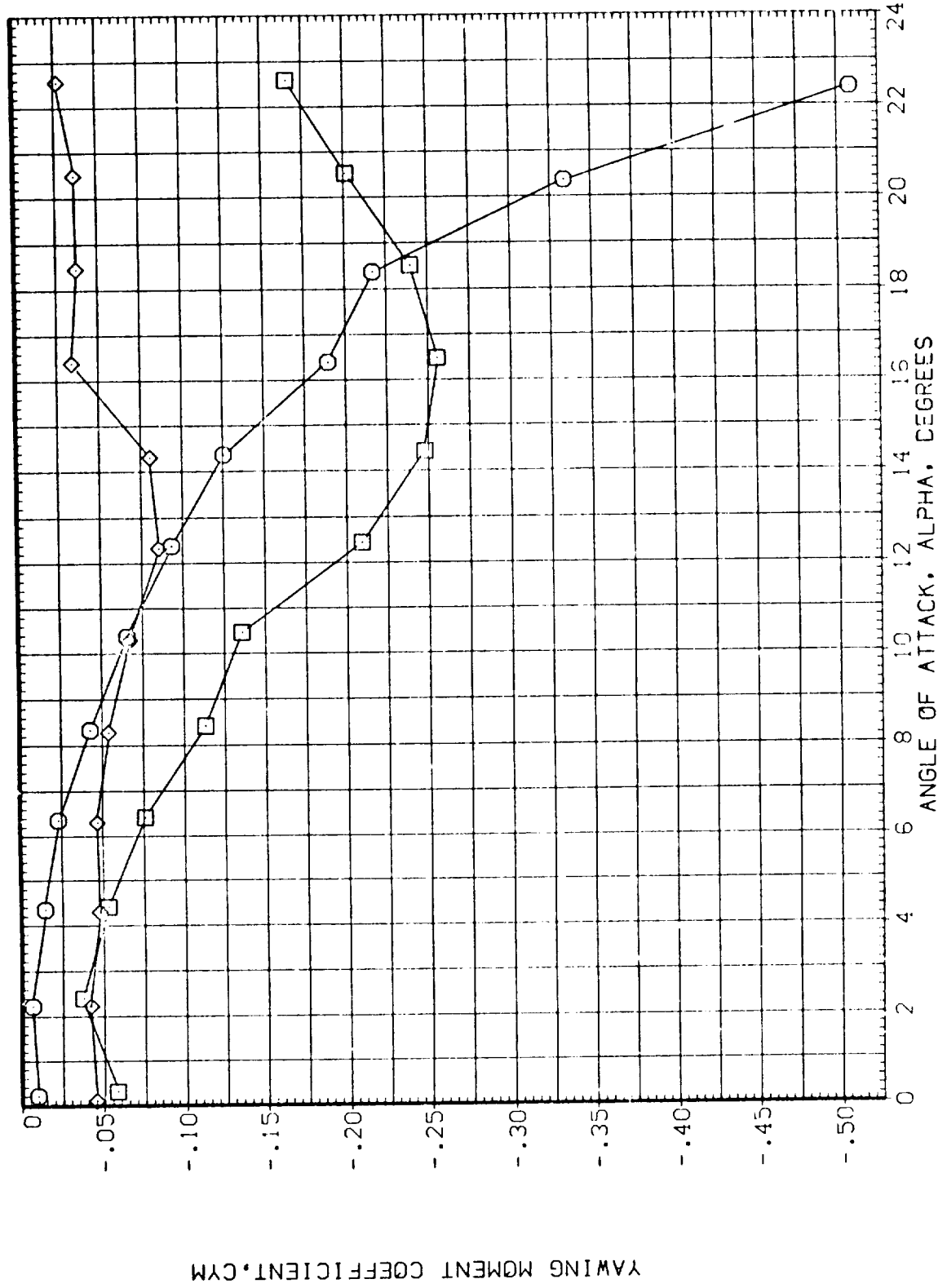


FIG. 5 BODY-ALONE CHARACTERISTICS

SYMBOL MACH BETA PARAMETRIC VALUES  
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□ 1.310  
◇ 1.754

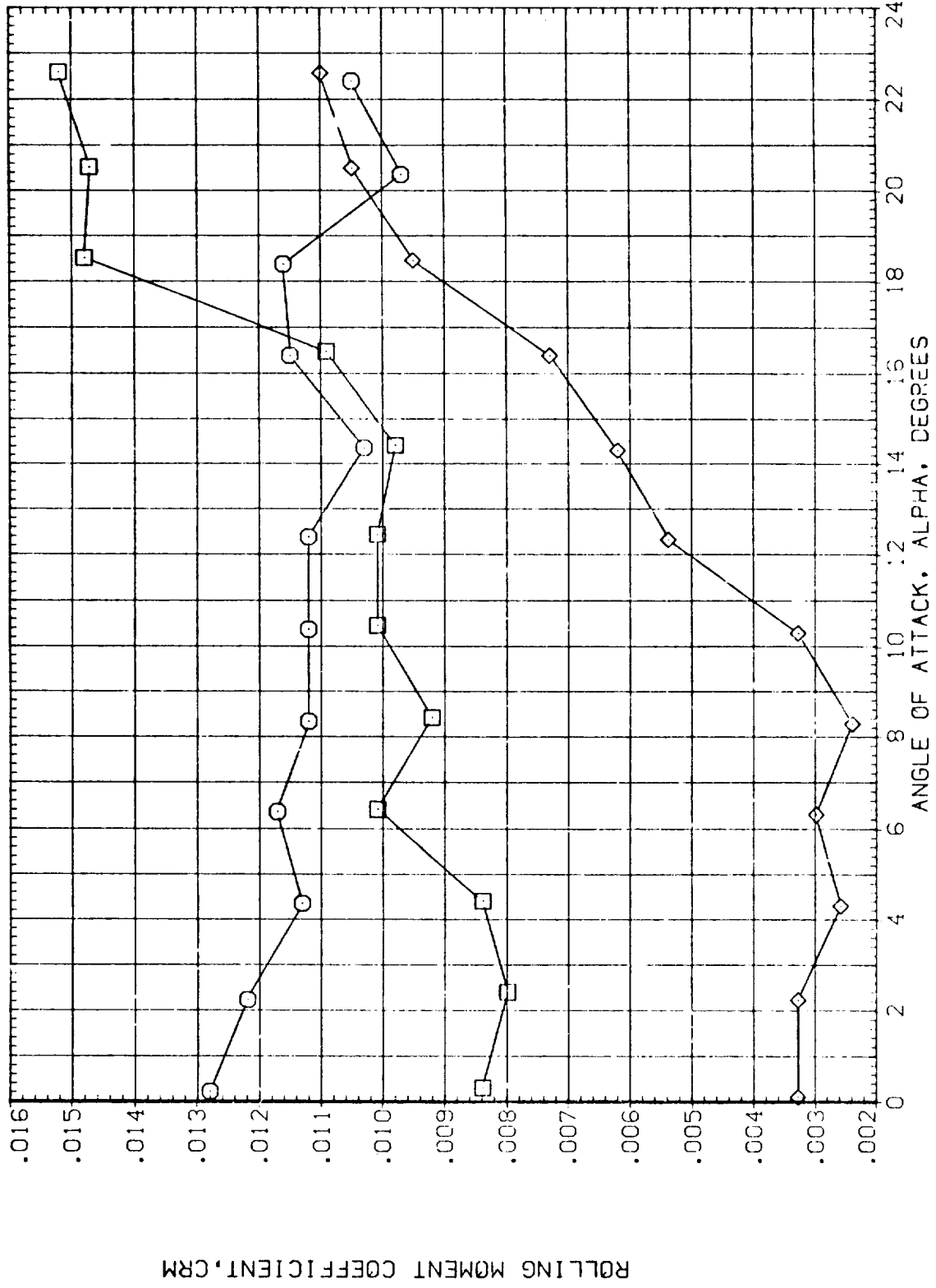


FIG. 5 BODY-ALONE CHARACTERISTICS

(CEZ009)

CONFIGURATION 5 (BN3T2)

SYMBOL	DATA	PARAMETRIC VALUES	
○	CN	.S02 BETA	.000
□	CNB	.000 PHI-T	.000
		MACH	
		PHI-C	

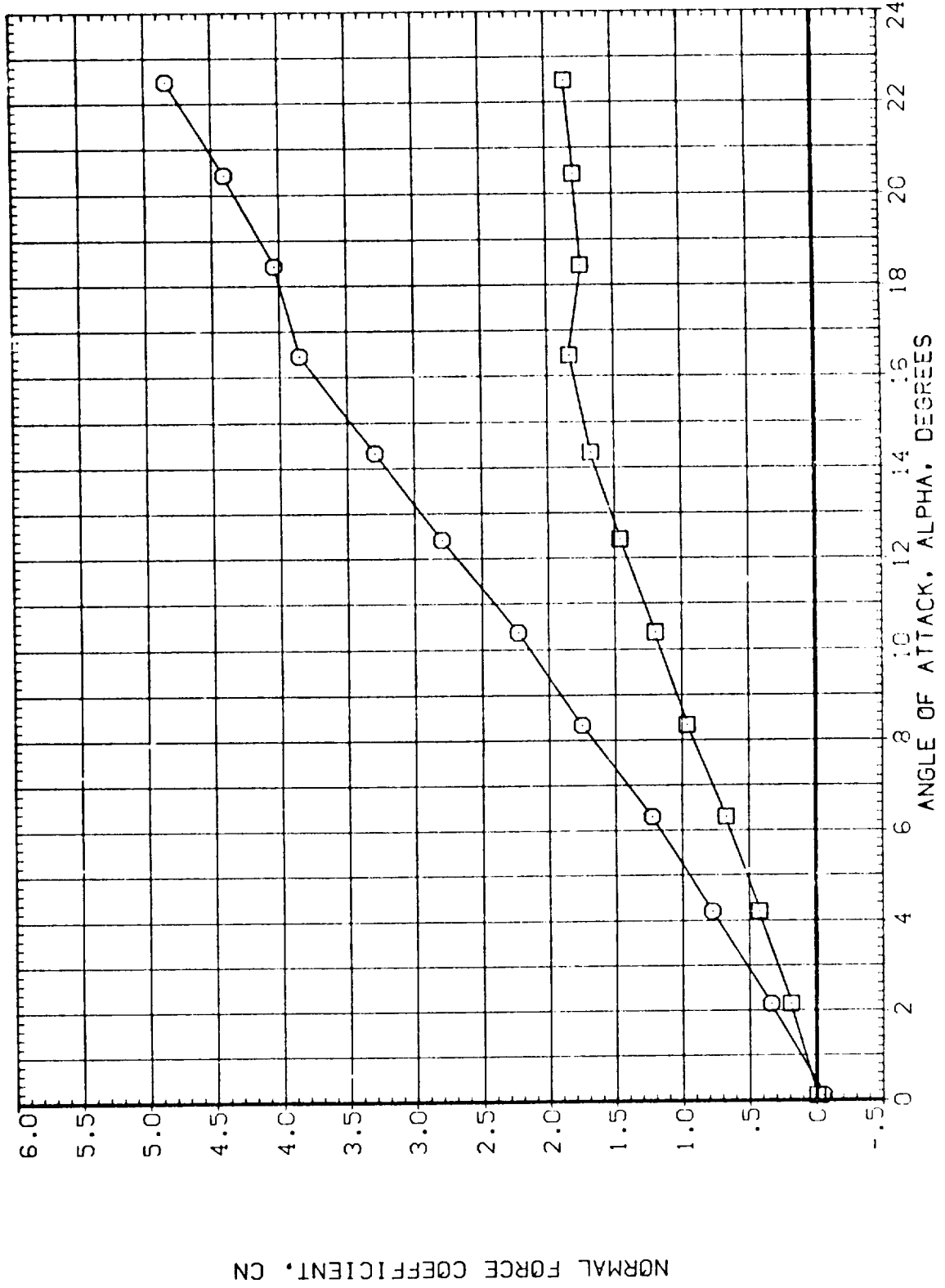


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL DATA PARAMETRIC VALUES  
CN MACH 1.749 BETA .000  
CNB PHI-C .000 PHI-T .000

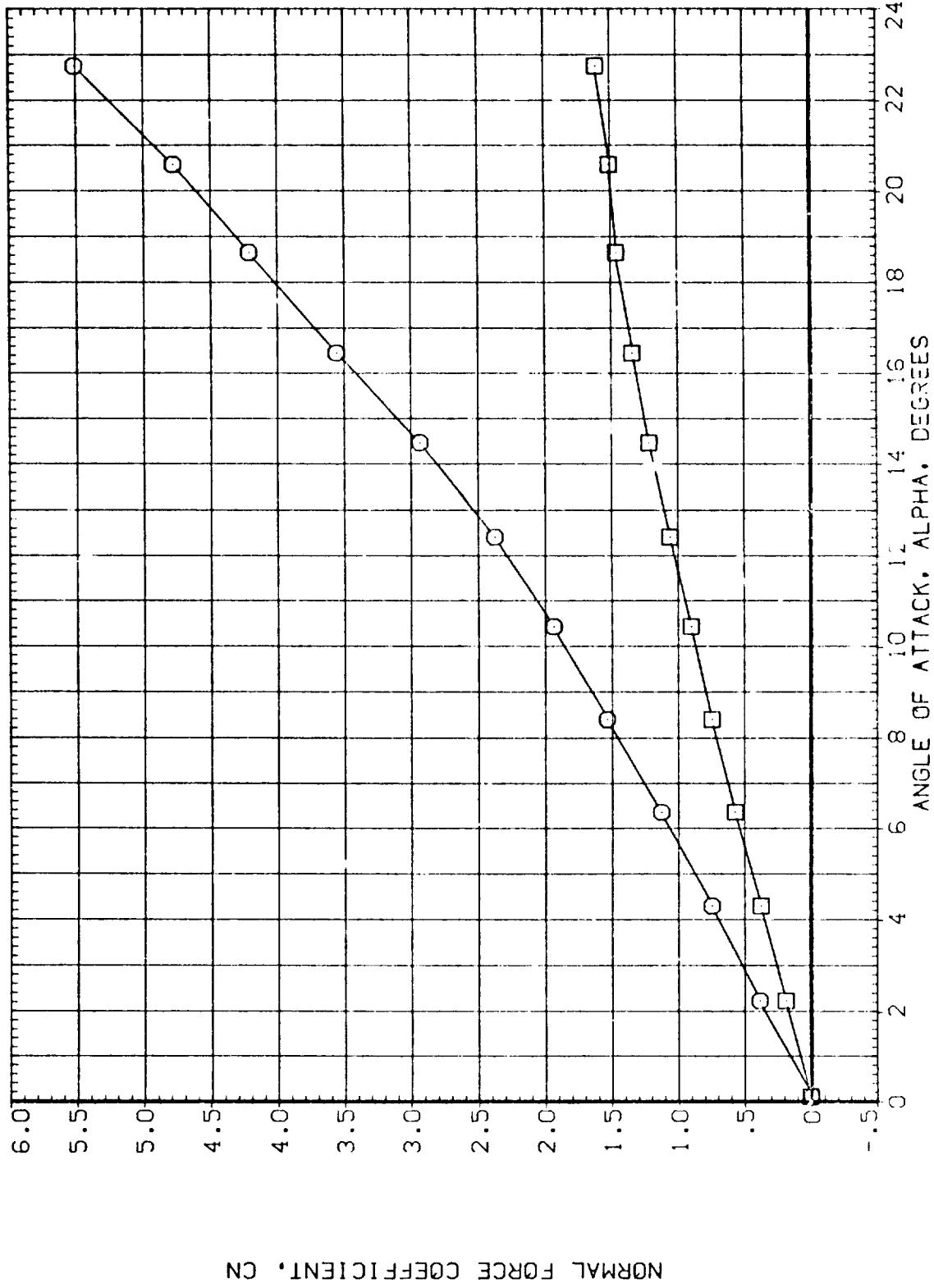


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ009)

CONFIGURATION 5 (BN3T2)

SYMBOL	DATA	PARAMETRIC VALUES	
		MACH	BETA
○	CM	.802	.000
□	CMB	.000	.000

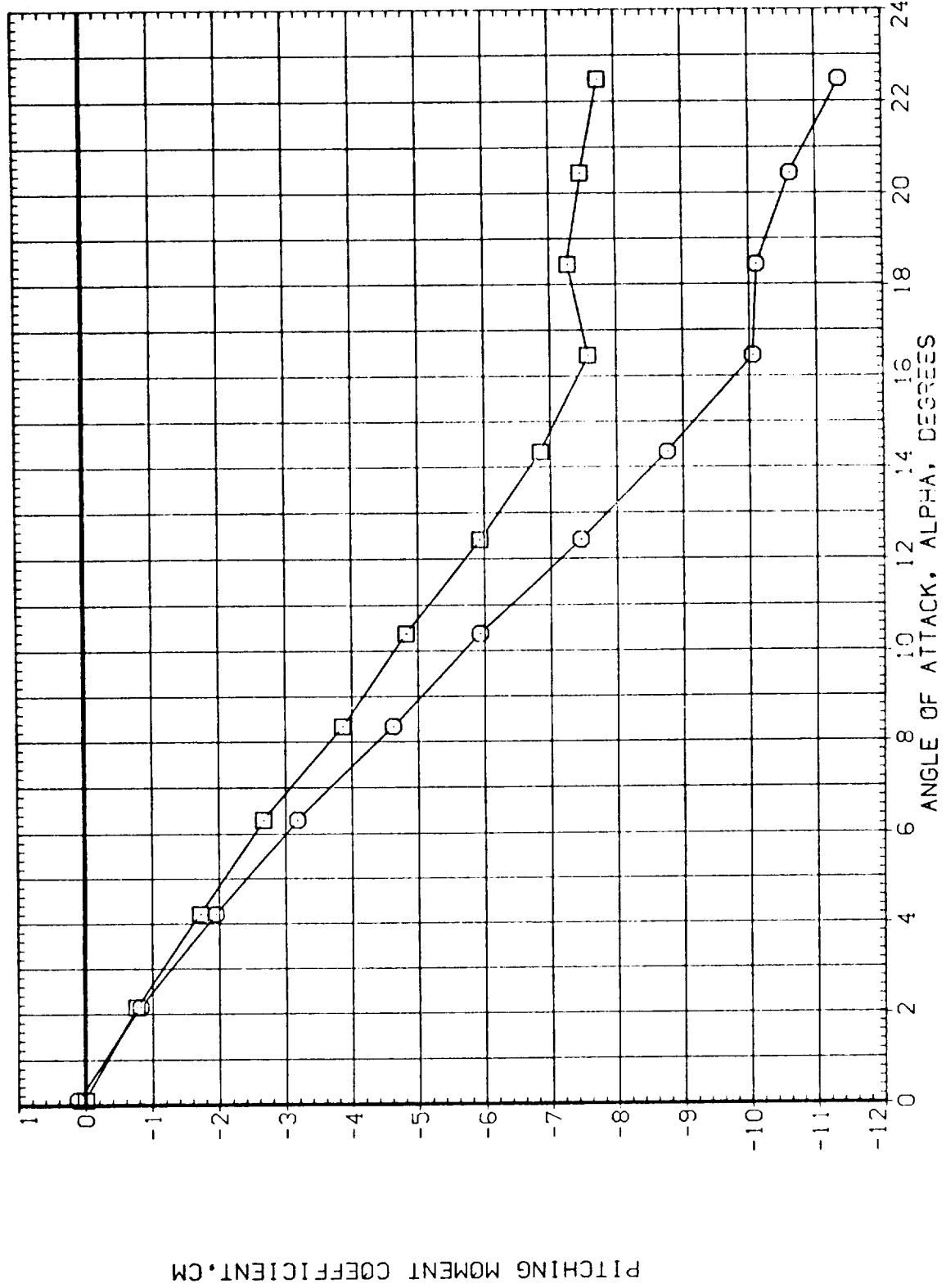


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL DATA PARAMETRIC VALUES  
CM MACH BETA .000  
CMB PHI-C PHI-T .000

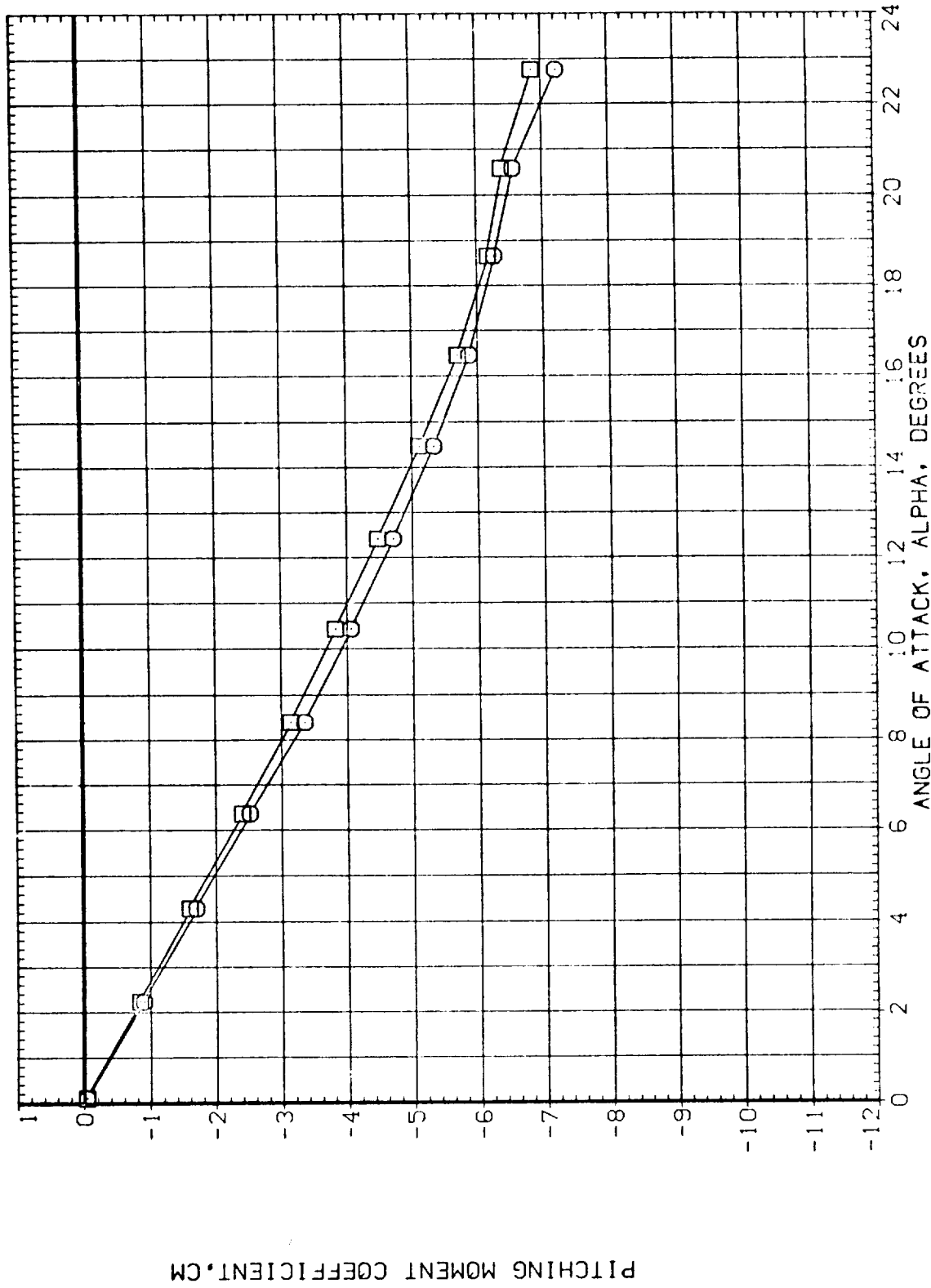


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS



(0EZ009)

CONFIGURATION 5 (BN3T2)

SYMBOL	DATA	PARAMETRIC VALUES	
		MACH	PHI-C
○	CA	.802	.000
		BETA	.000
		PHI-T	.000

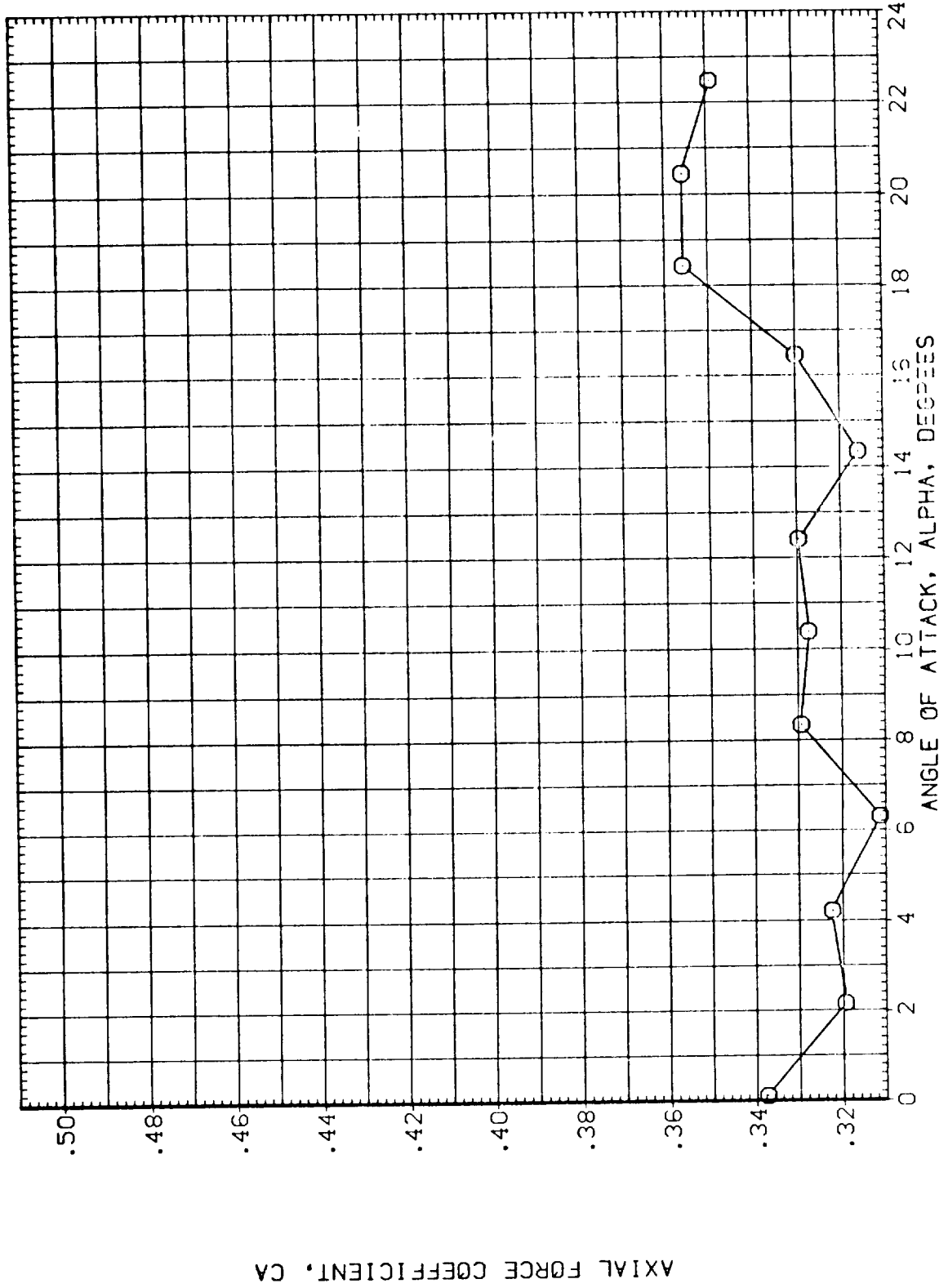


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL	DATA	PARAMETRIC VALUES
○	CA	MACH      BETA      .000
		PHI-C      PHI-T      .000

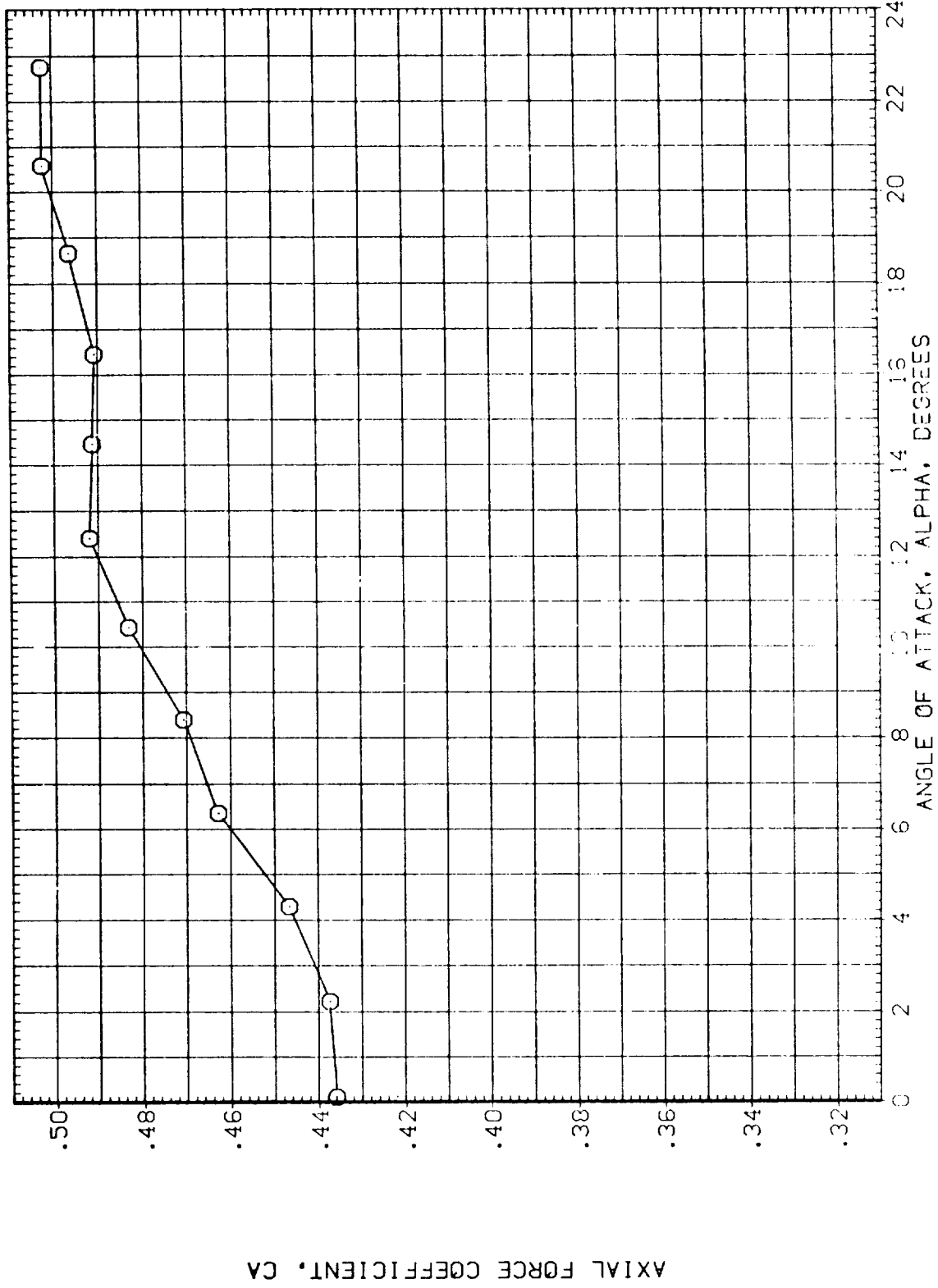


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ009)

CONFIGURATION 5 (BN3T2)

SYMBOL	DATA	MACH	PARAMETRIC VALUES	BETA	PHI-T
○	CY	PHI-C	.802	.000	.000
□	CYB	PHI-T	.000	.000	.000

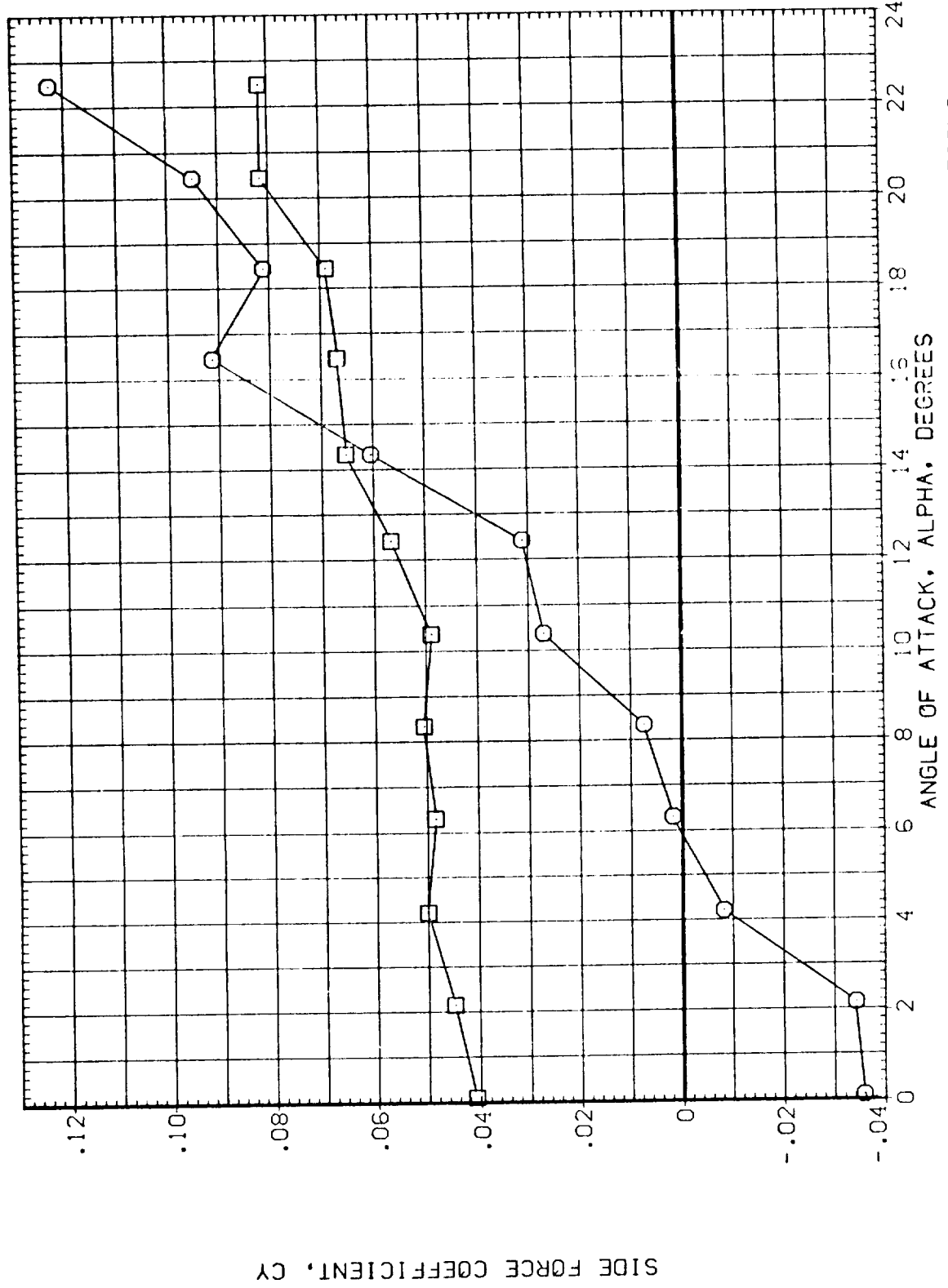


FIG. 6 BODY-TAIL CHARACTERISTICS, MAJ: BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 5 (BN3T2)

SYMBOL DATA PARAMETRIC VALUES  
CY MACH BETA .000  
CYB PHI-C PHI-T .000

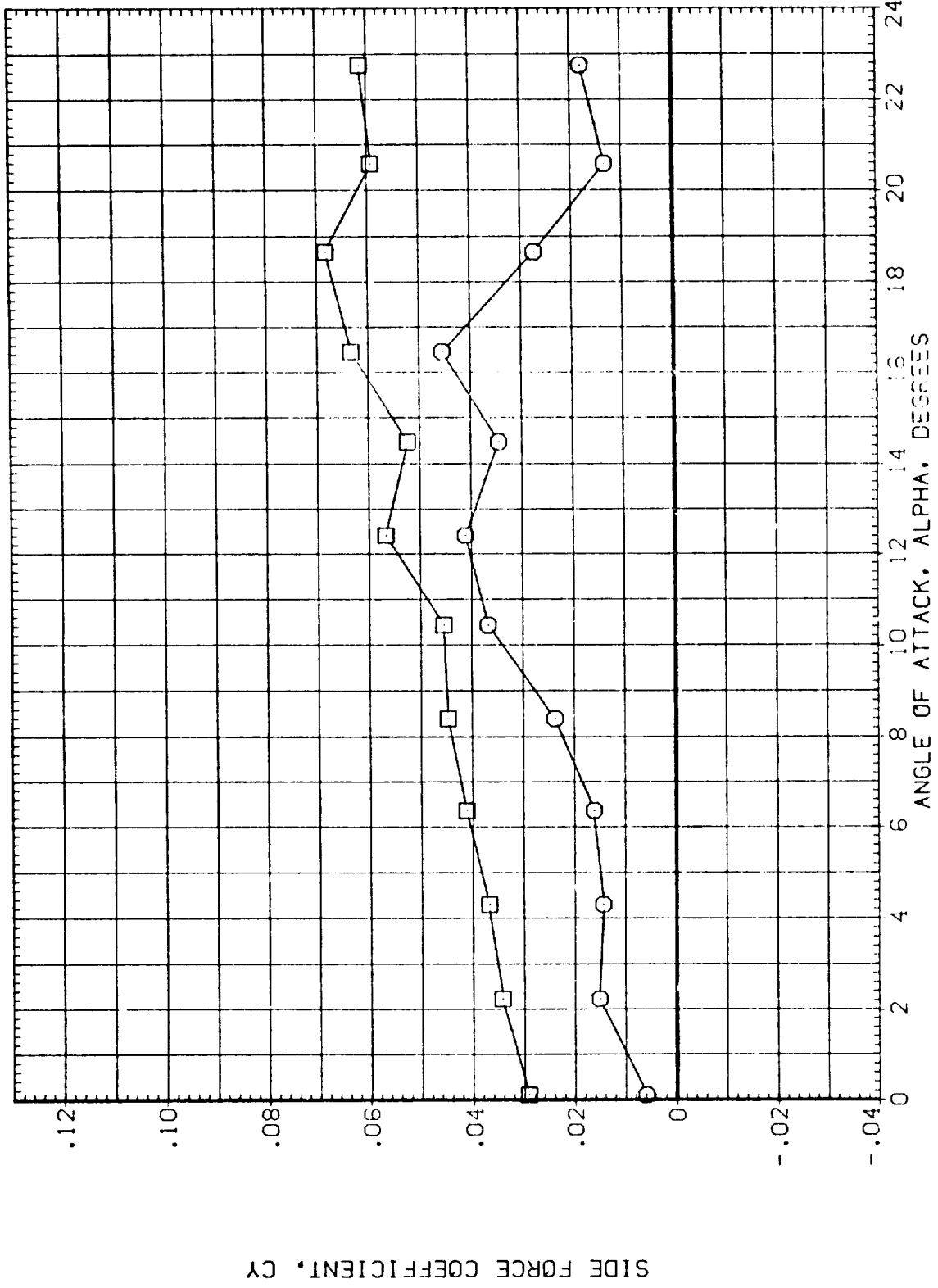


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ009)

CONFIGURATION 5 (BN3T2)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CYM	PHI-C	.802 BETA .000
□	CYMB	PHI-T	.000 PHI-T .000

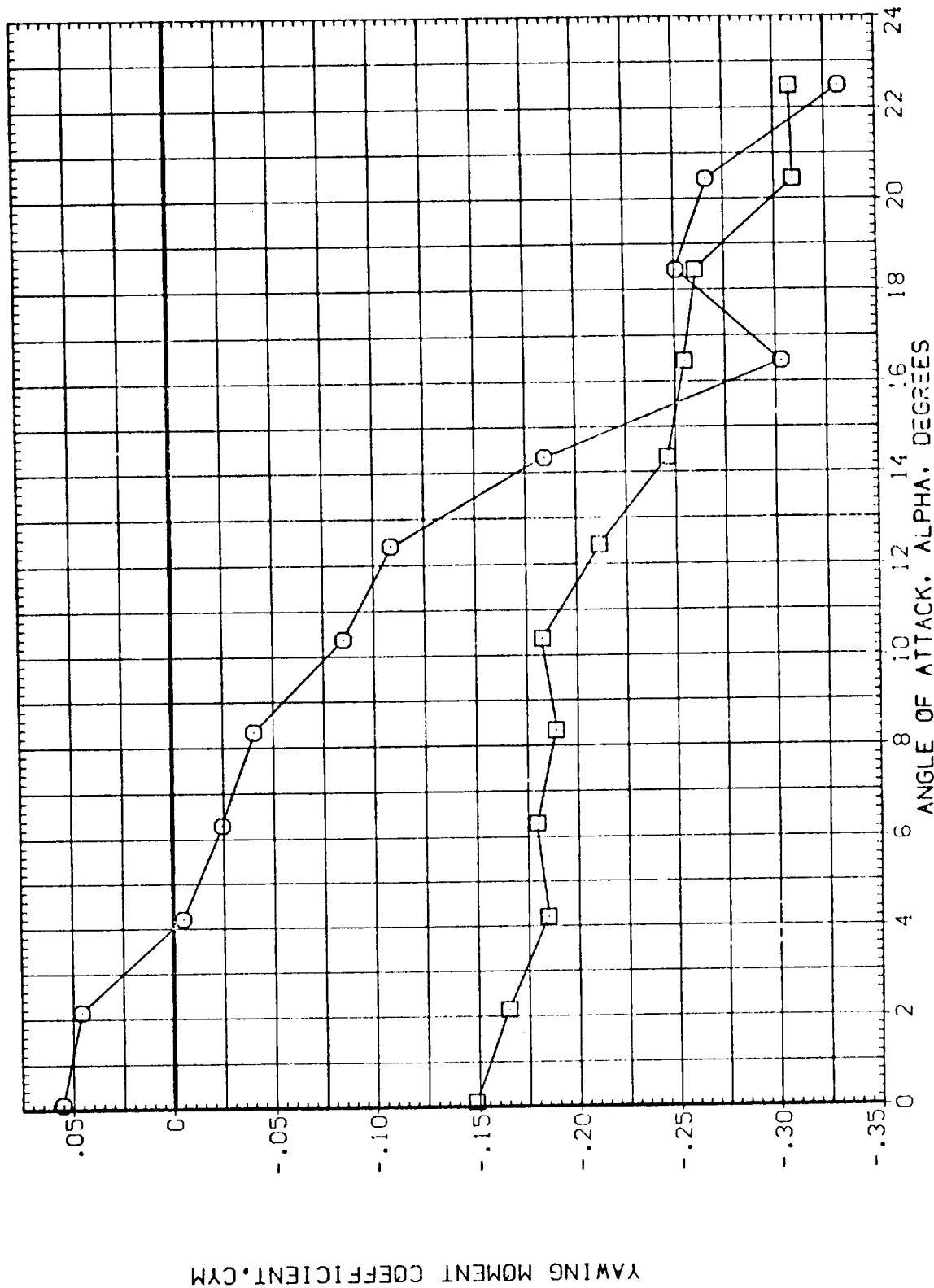


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA PARAMETRIC VALUES  
CYM 1.749 BETA .000  
CMB PHI-T .000

SYMBOL  
○  
□

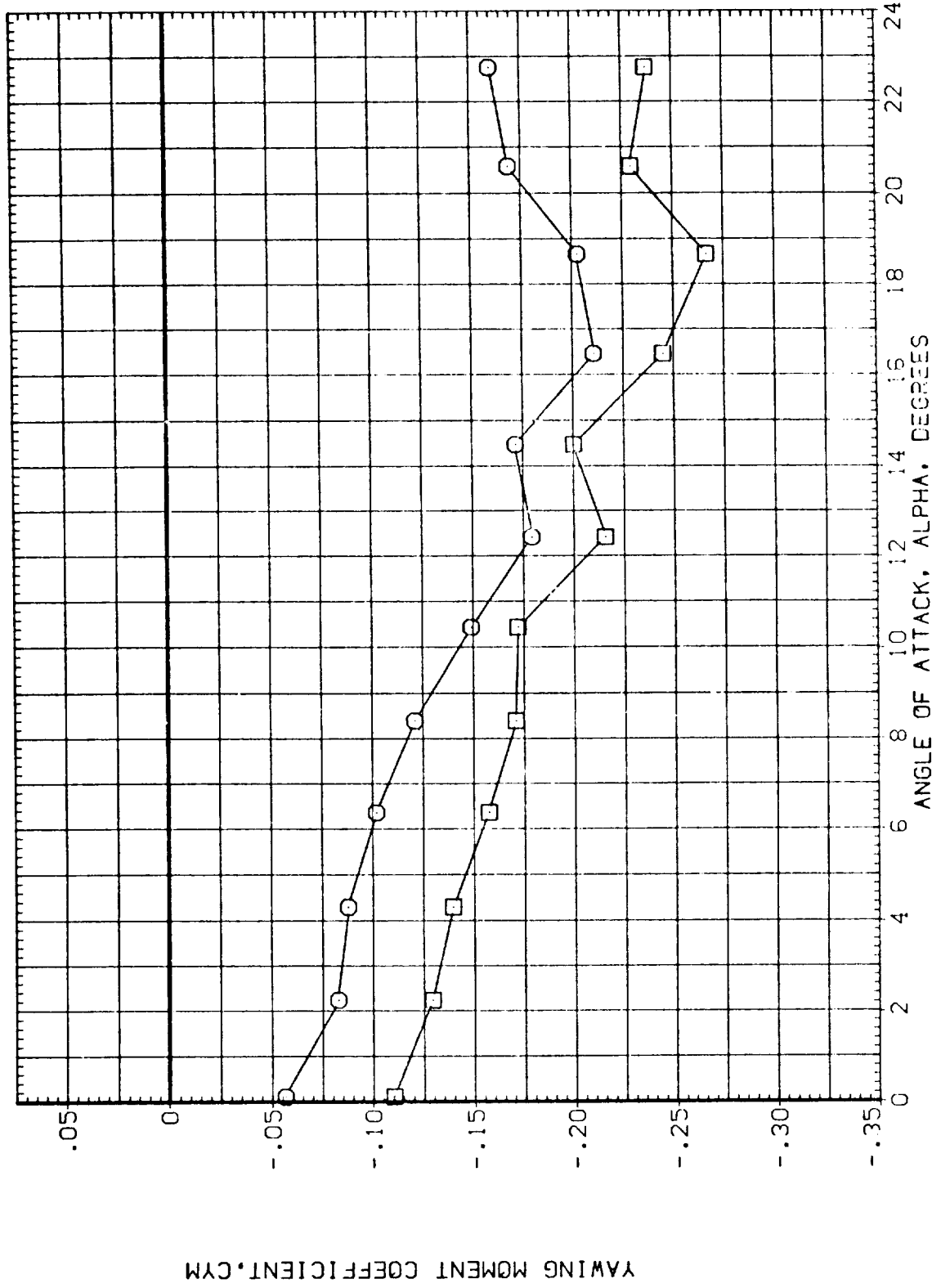


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ009)

CONFIGURATION 5 (BN3T2)

SYMBOL DATA PARAMETRIC VALUES  
CRM MACH .802 BETA .000  
CRMB PHI-C .000 PHI-T .000

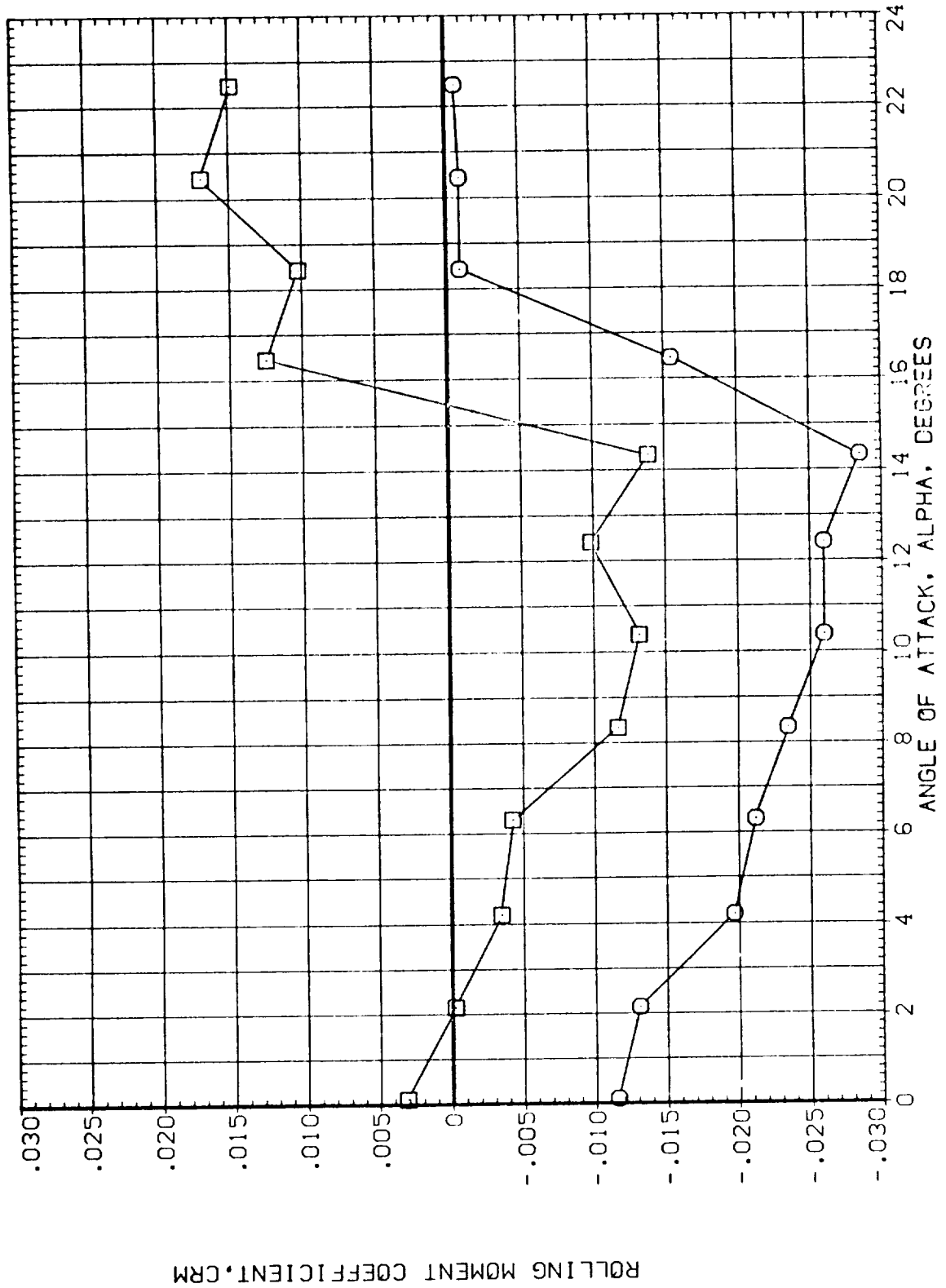


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL DATA MACH PARAMETRIC VALUES  
CRM 1.749 BETA .000  
CRMB PHI-T .000

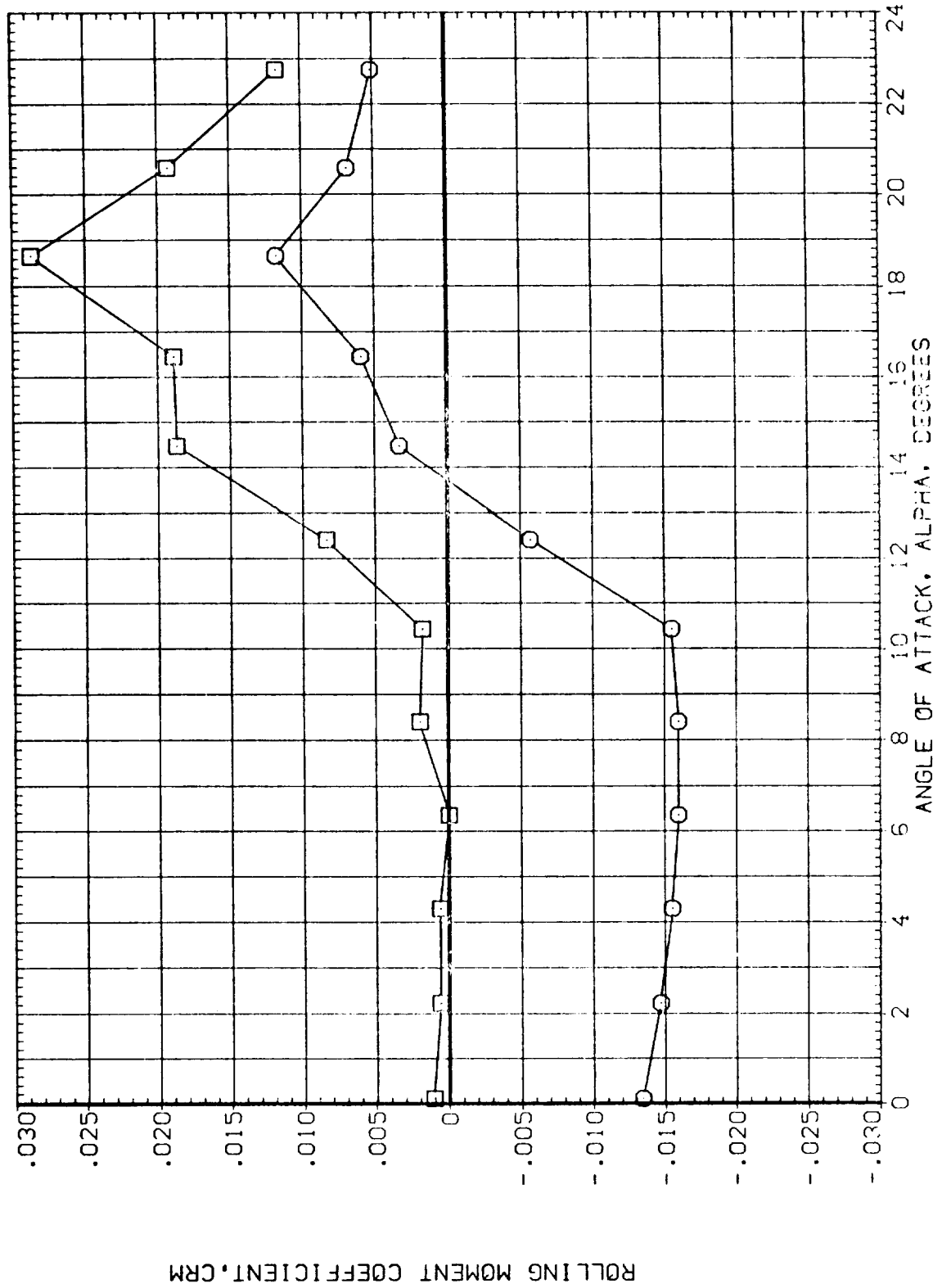


FIG. 6 BODY-TAIL CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS



(CEZ206)

CONFIGURATION 11 (BN3C6)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CN	D1	.801 BETA .000
□	CNB	D2	.000 D3 .000
		D1-3	.000 D4 .000
		PHI-C	D2-4 .000

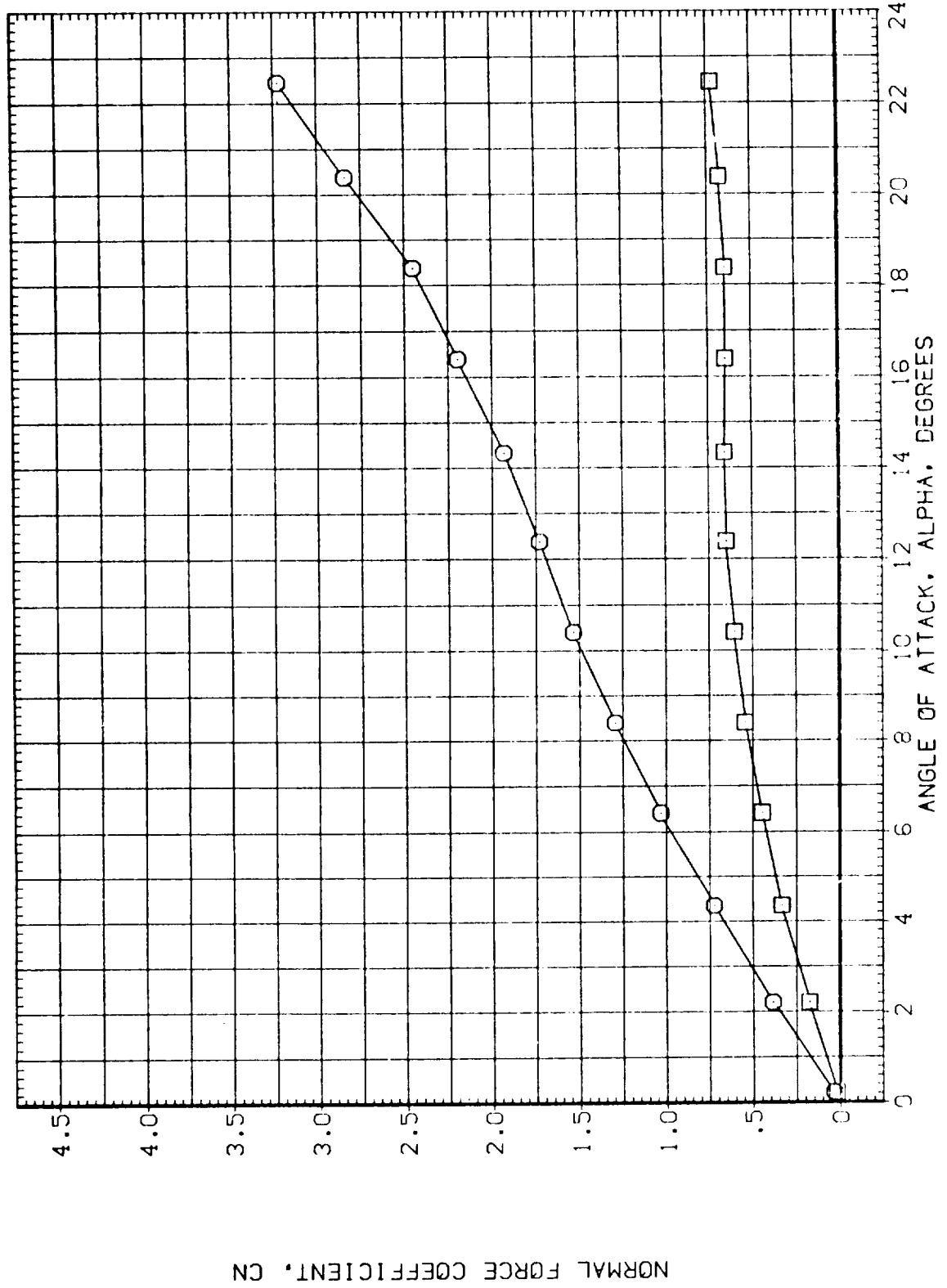


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL	DATA	PARAMETRIC VALUES
	MACH	1.313
	BETA	.000
	D1	.000
	D2	.000
	D1-3	.000
	D2-4	.000
	PHI-C	.000
CN		.000
CNB		.000

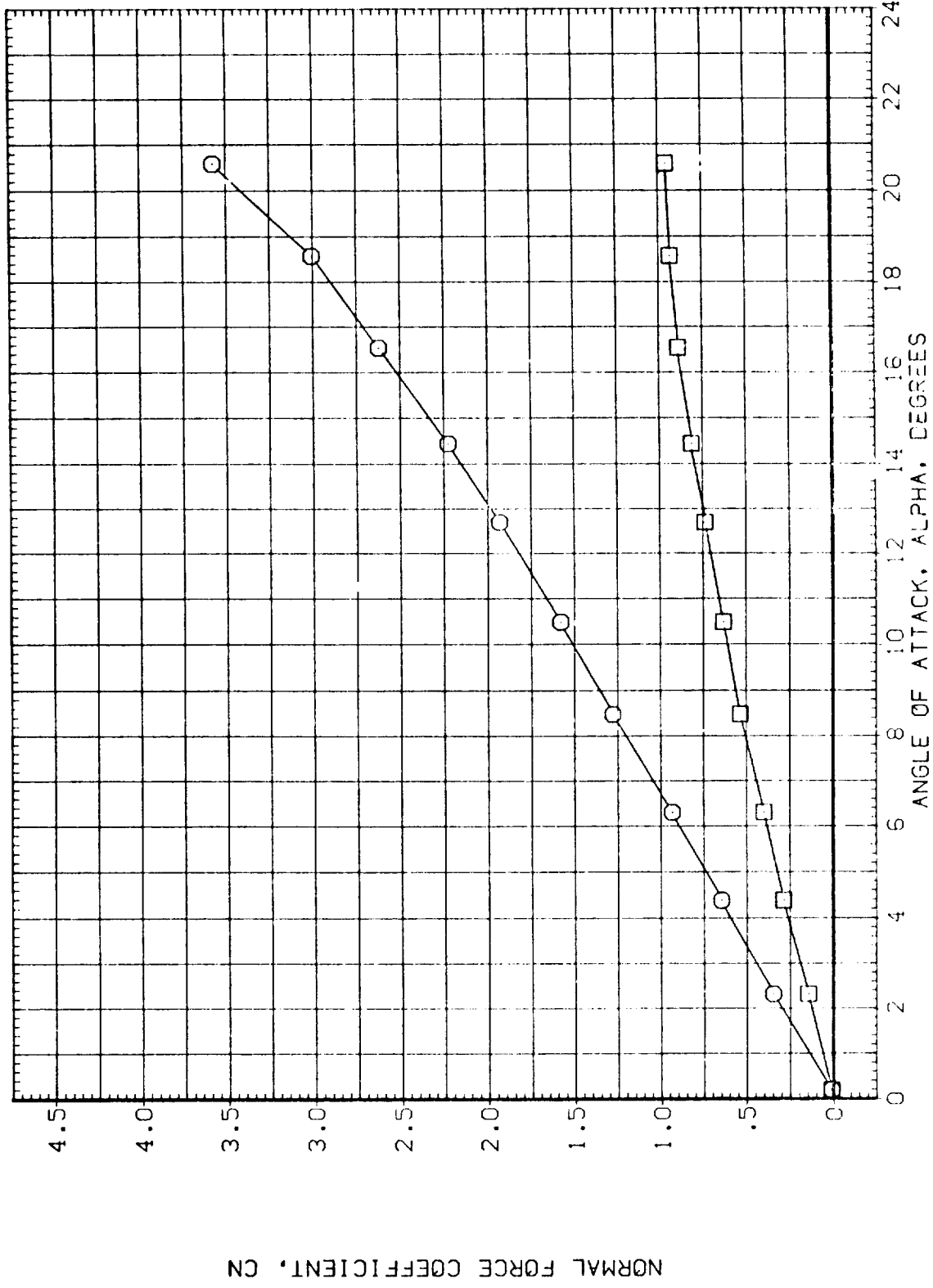


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ206)

CONFIGURATION 11 (BN3C6)

SYMBOL	DATA	MACH	PARAMETRIC VALUES	
○	CN	1.763	BETA	.000
□	CNB	.000	D3	.000
		.000	D4	.000
		.000	D2-4	.000
		.000	PHI-C	.000

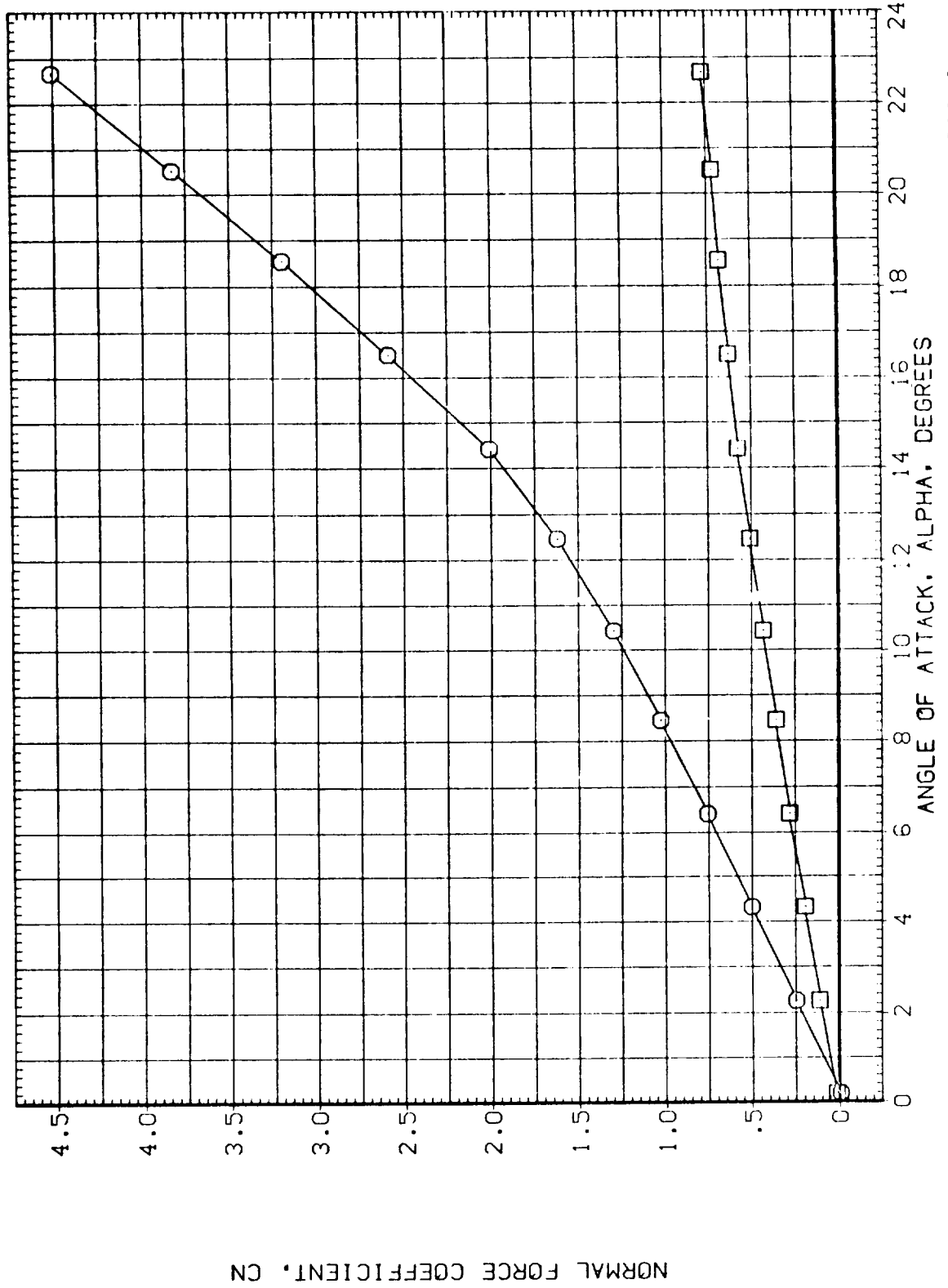


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL	DATA	PARAMETRIC VALUES
○	MACH	.801
□	D1	.000
	D2	.000
	D1-3	.000
	PHI-C	.000
	BETA	.000
	D3	.000
	D4	.000
	D2-4	.000

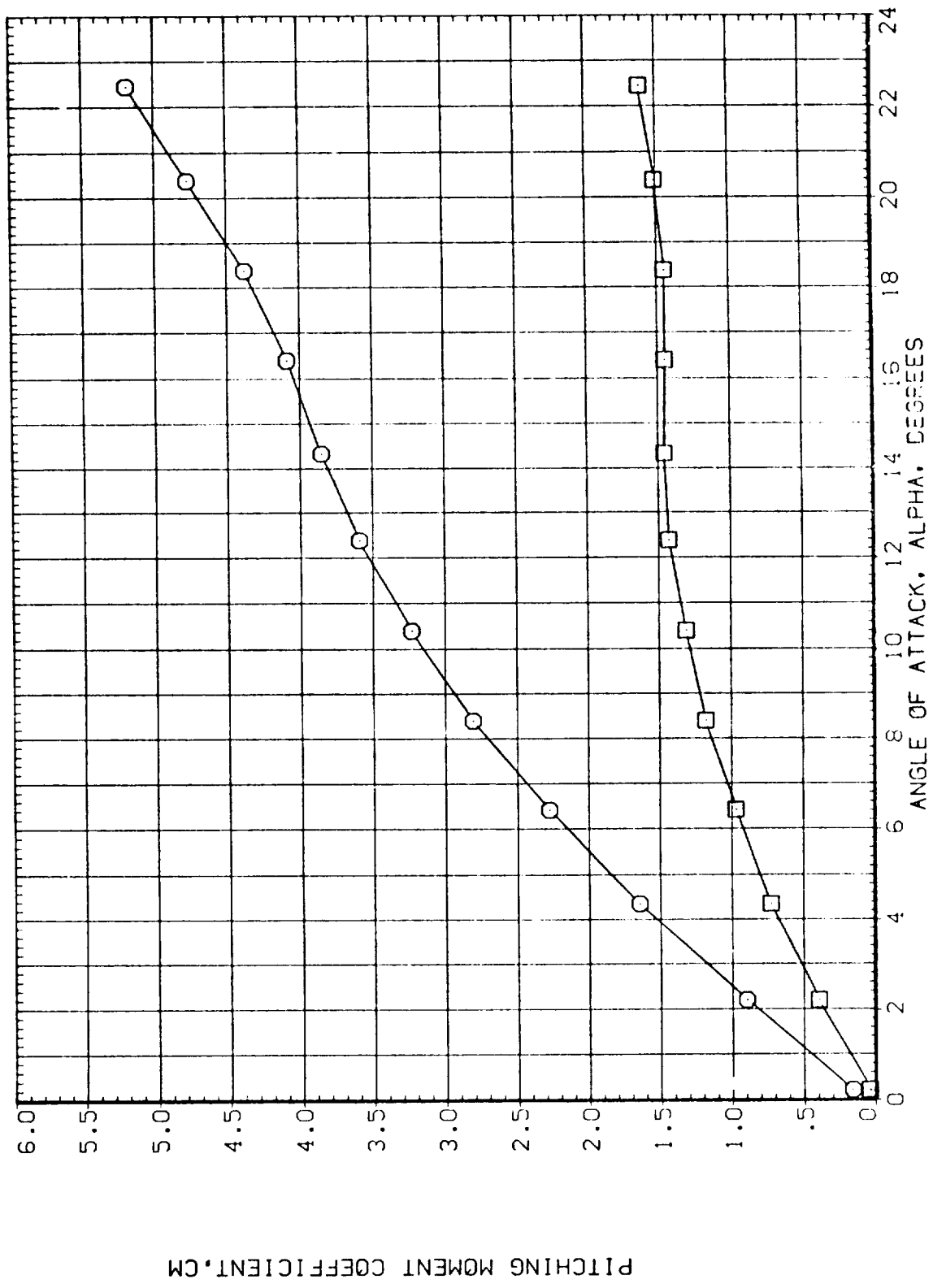


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ206)

CONFIGURATION 11 (BN3C6)

DATA		PARAMETRIC VALUES			
CM	MACH	1.313	BETA	.000	
CMB	D1	.000	D3	.000	
	D2	.000	D4	.000	
	D1-3	.000	D2-4	.000	
	PHI-C	.000			

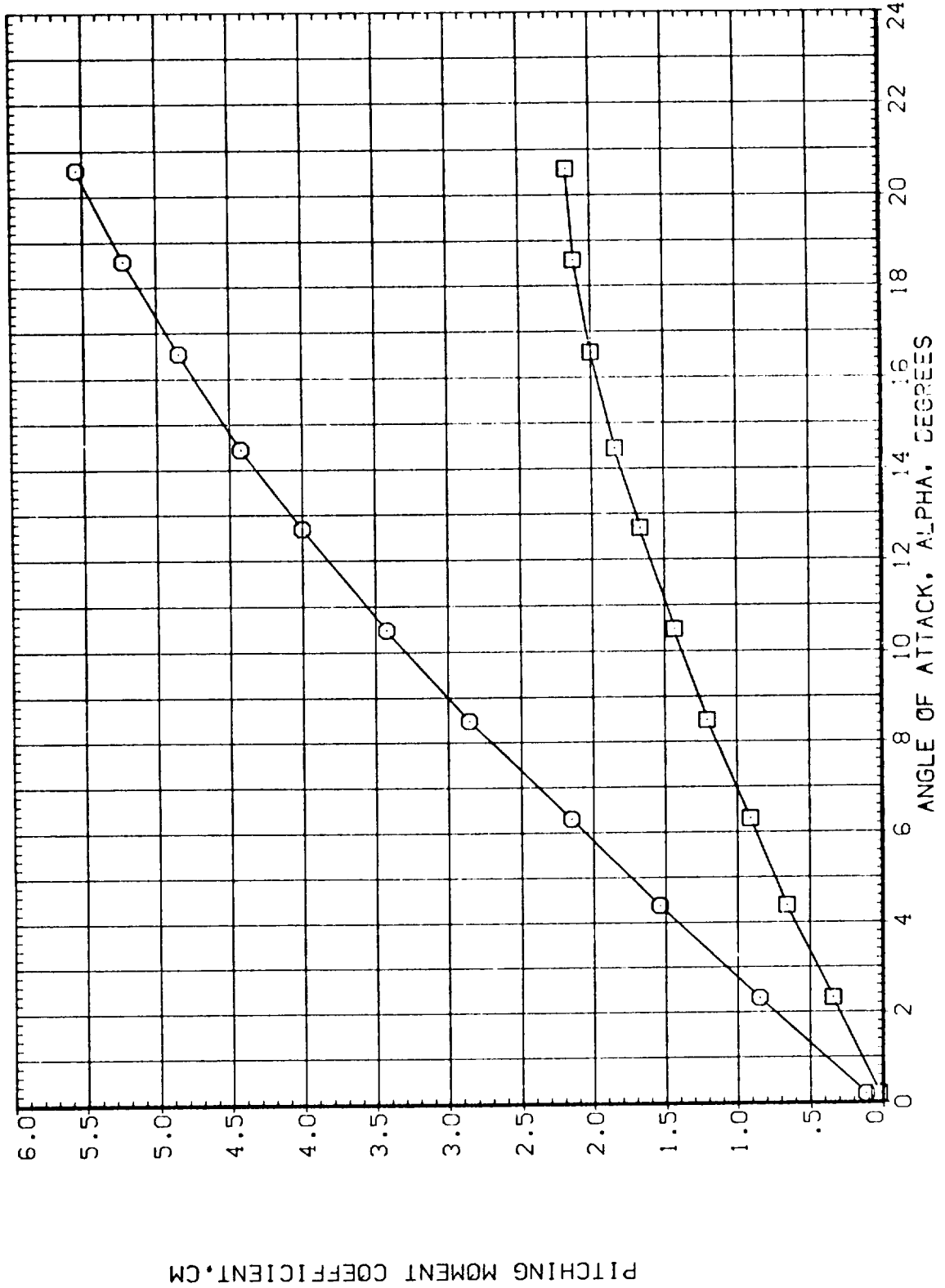


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL		DATA	PARAMETRIC VALUES			
○	CH	MACH	1.763	BETA	.000	
□	CMB	D1	.000	D3	.000	
		D2	.000	D4	.000	
		D1-3	.000	D2-4	.000	
		PHI-C	.000			

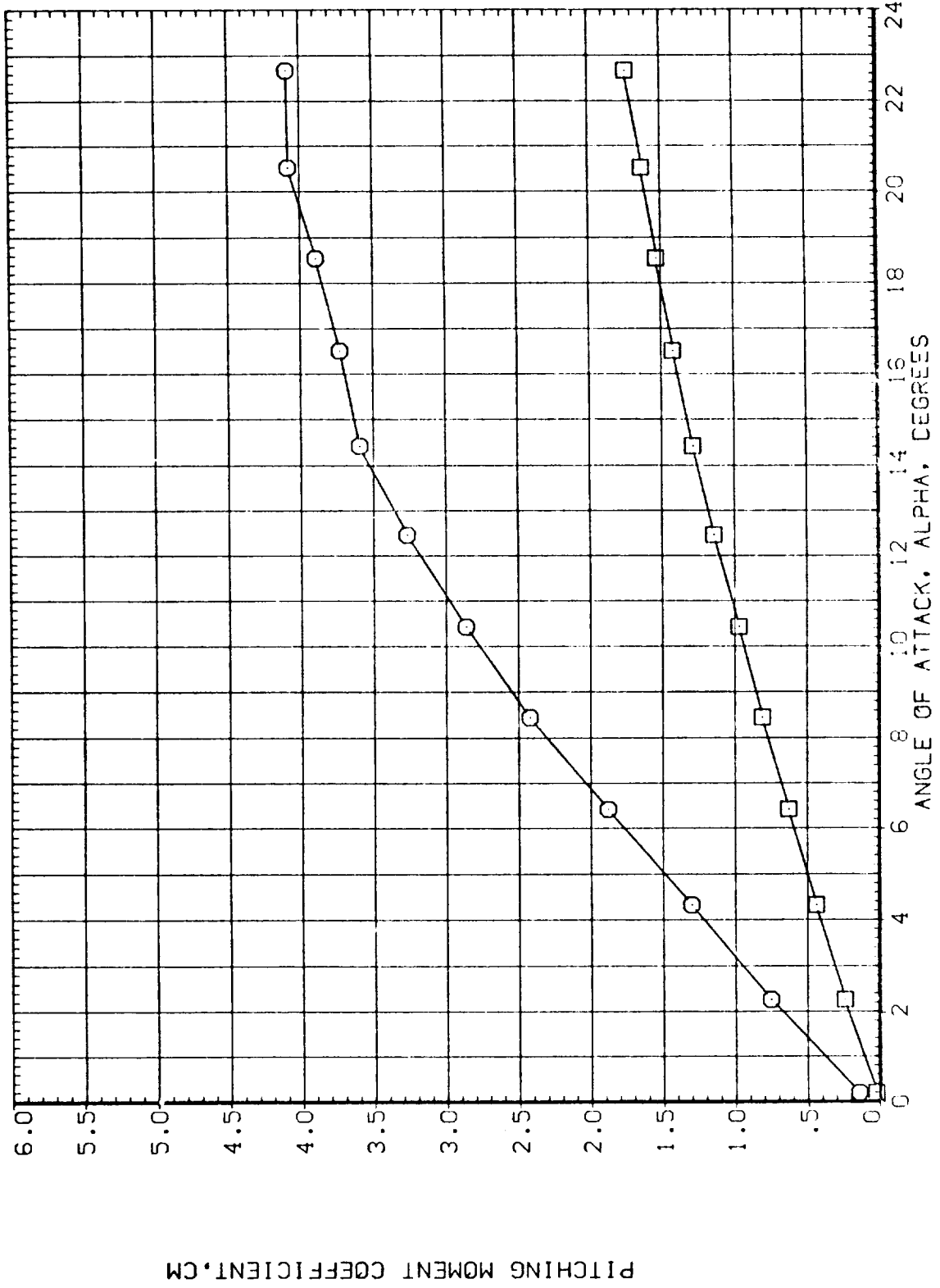


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(0EZ206)

CONFIGURATION 11 (BN3C6)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CA		.801 BETA .000
		D1	.000 D3 .000
		D2	.000 D4 .000
		D1-3	.000 D2-4 .000
		PHI-C	.000

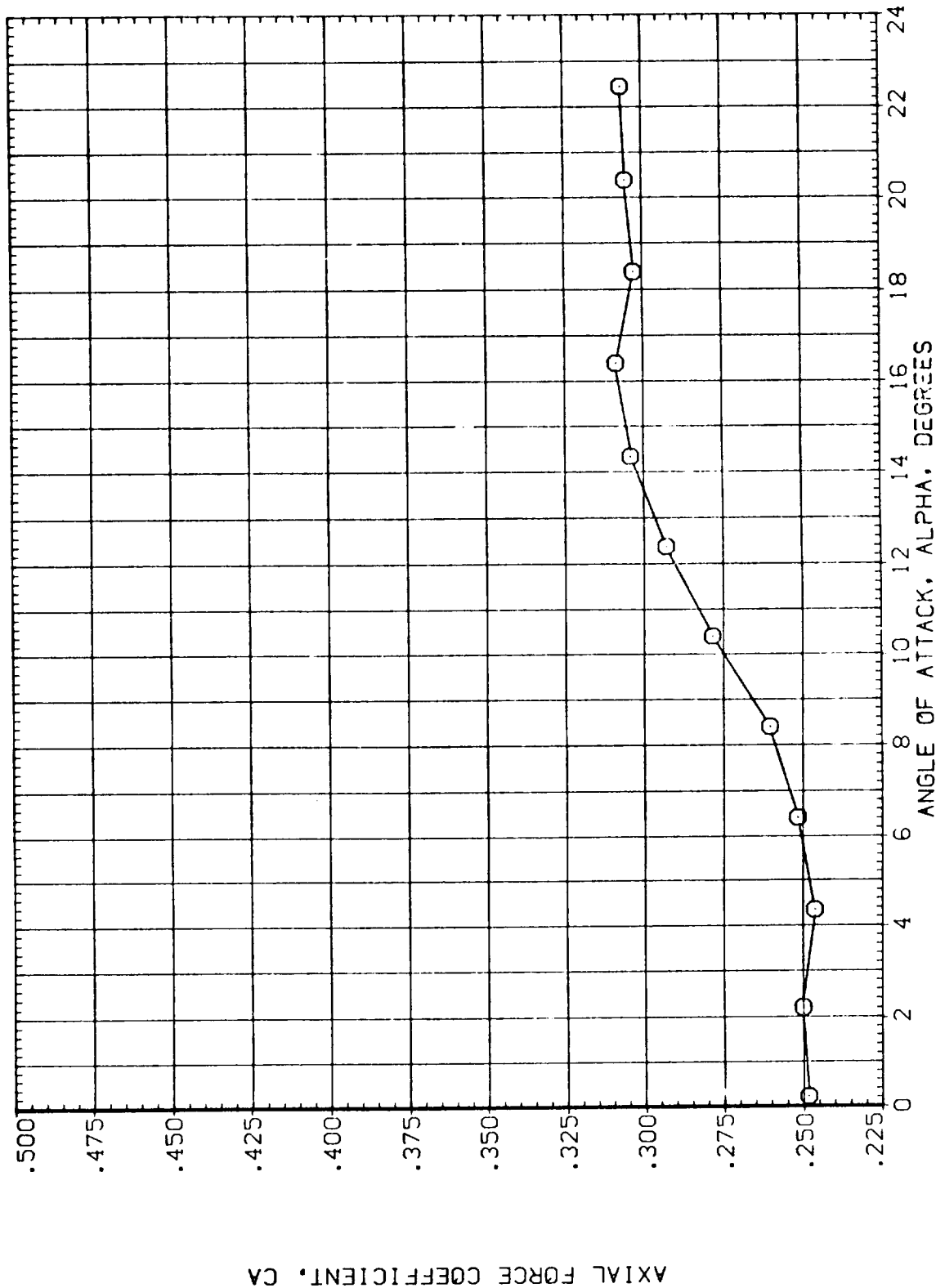


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 11 (BN3C6)

SYMBOL	DATA	MACH	PARAMETRIC VALUES	
O	CA	D1	1.313	BETA .000
		D2	.000	D3 .000
		D1-3	.000	D4 .000
		PHI-C	.000	D2-4 .000

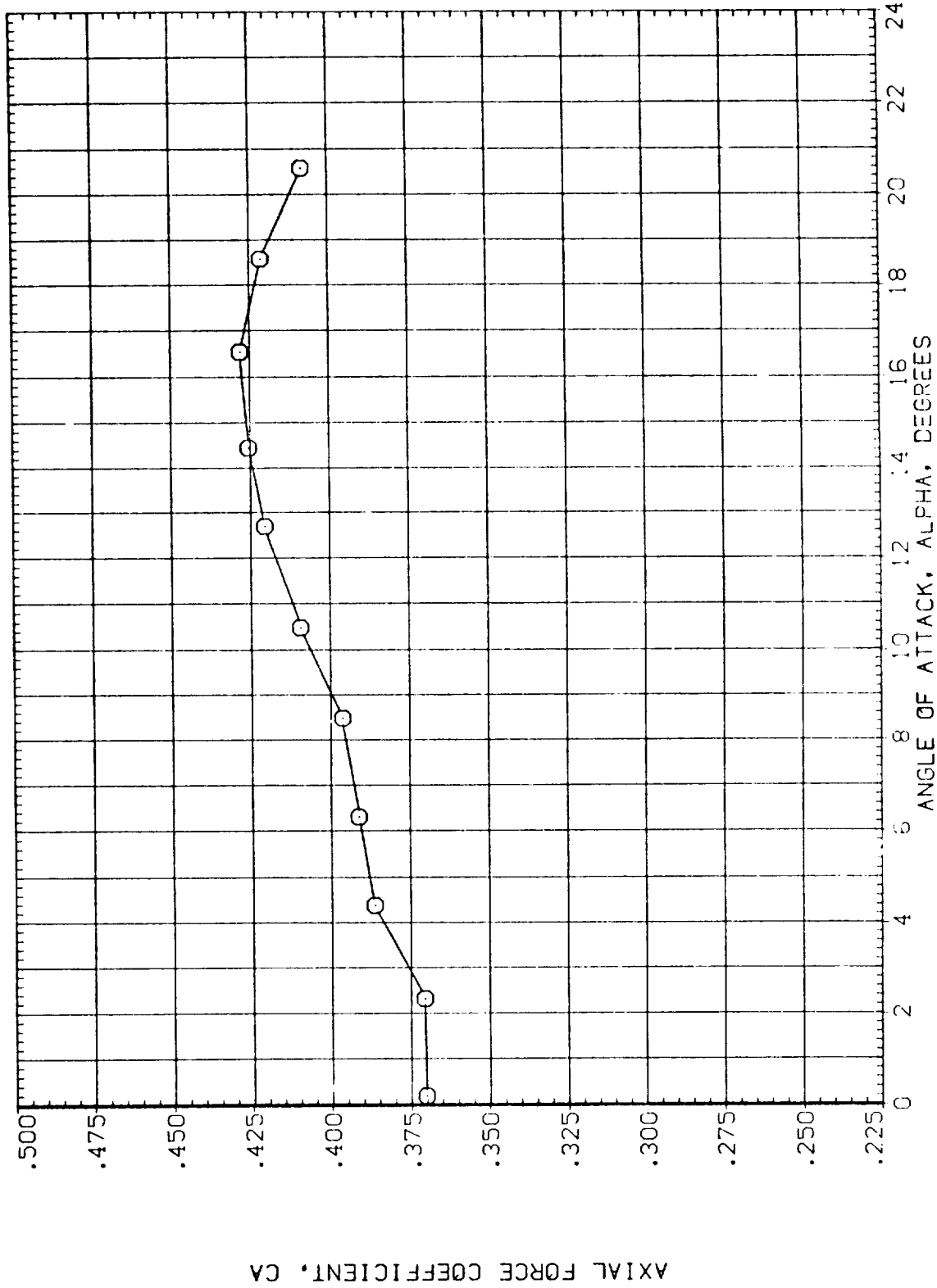


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS



(0EZ206)

CONFIGURATION 11 (BN3C6)

SYMBOL	DATA	MACH	PARAMETRIC VALUES	
O	CA	1.763	BETA	.000
		D1	D3	.000
		D2	D4	.000
		D1-3	D2-4	.000
		PHI-C		.000

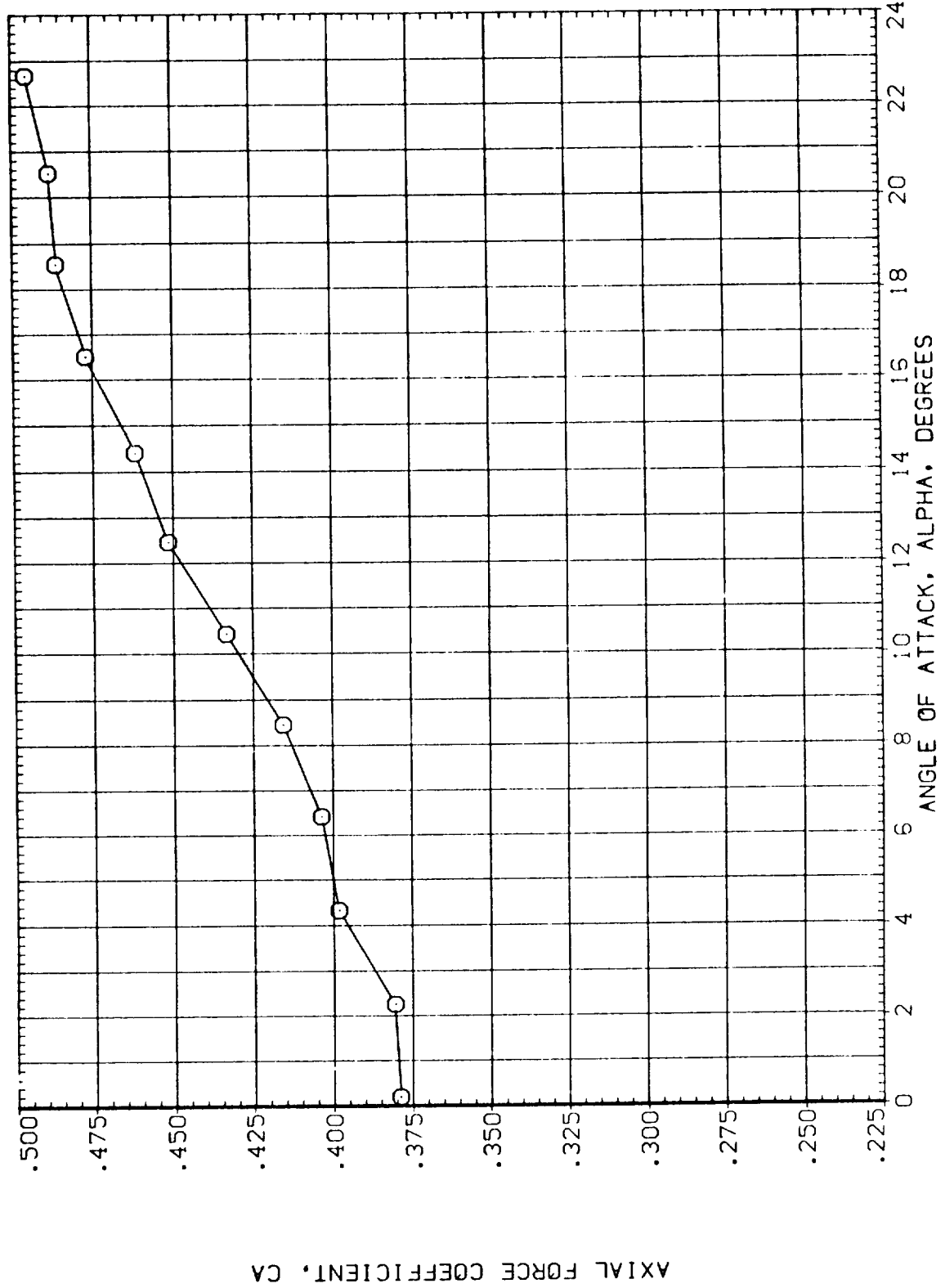


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL DATA PARAMETRIC VALUES

○	CY	MACH	.801	BETA	.000
□	CYB	D1	.000	D3	.000
		D2	.000	D4	.000
		D1-3	.000	D2-4	.000
		PHI-C	.000		

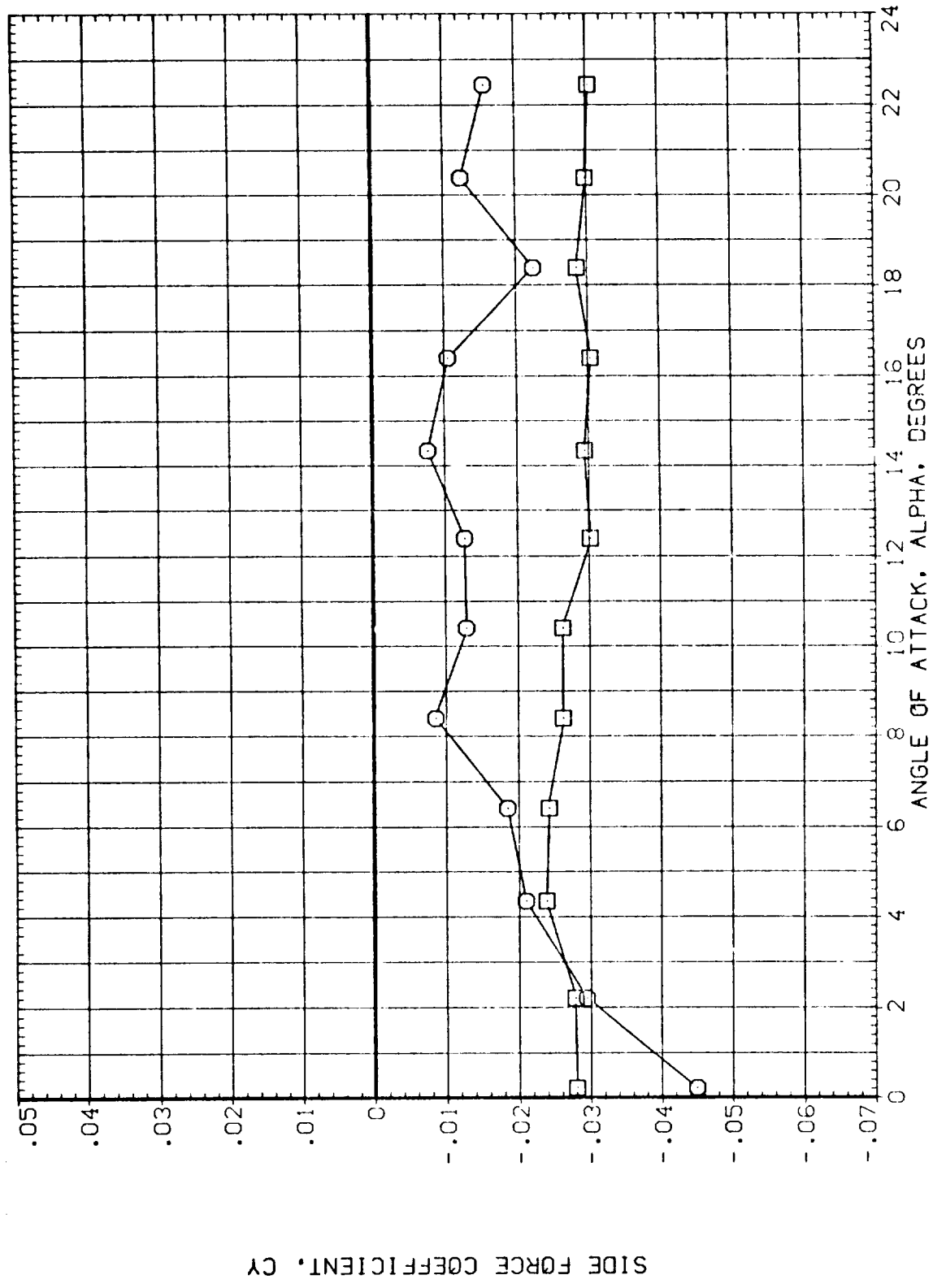


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ206)

CONFIGURATION 11 (BN3C6)

SYMBOL		DATA	PARAMETRIC VALUES			
○	CY	MACH	1.313	BETA	.000	
□	CY8	D1	.000	D3	.000	
		D2	.000	D4	.000	
		D1-3	.000	D2-4	.000	
		PHI-C	.000			

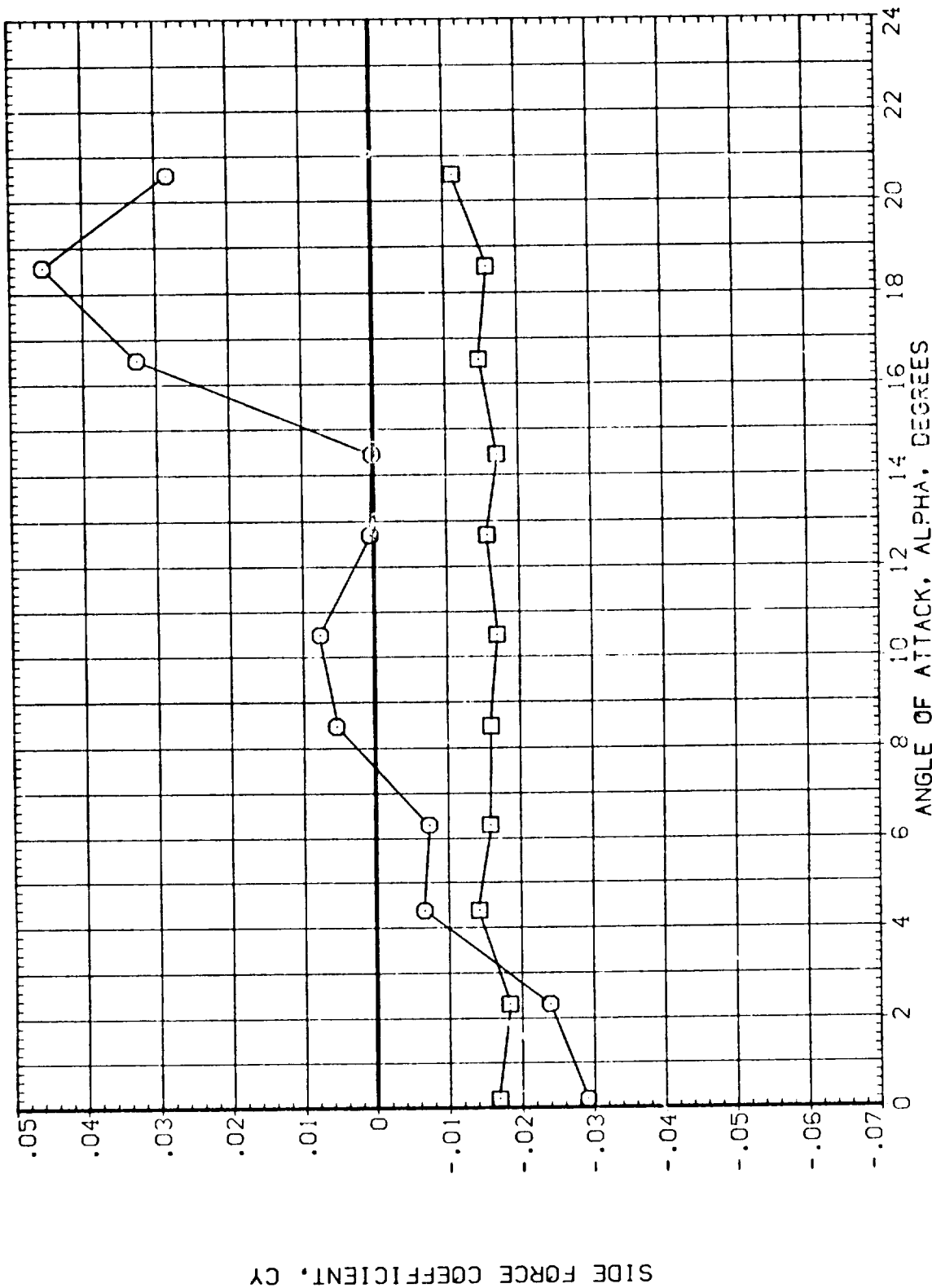


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL	DATA	PARAMETRIC VALUES
□	MACH	1.763
○	CY	BETA
	D1	.000
	D2	.000
	D1-3	.000
	PHI-C	.000
	D3	.000
	D4	.000
	D2-4	.000

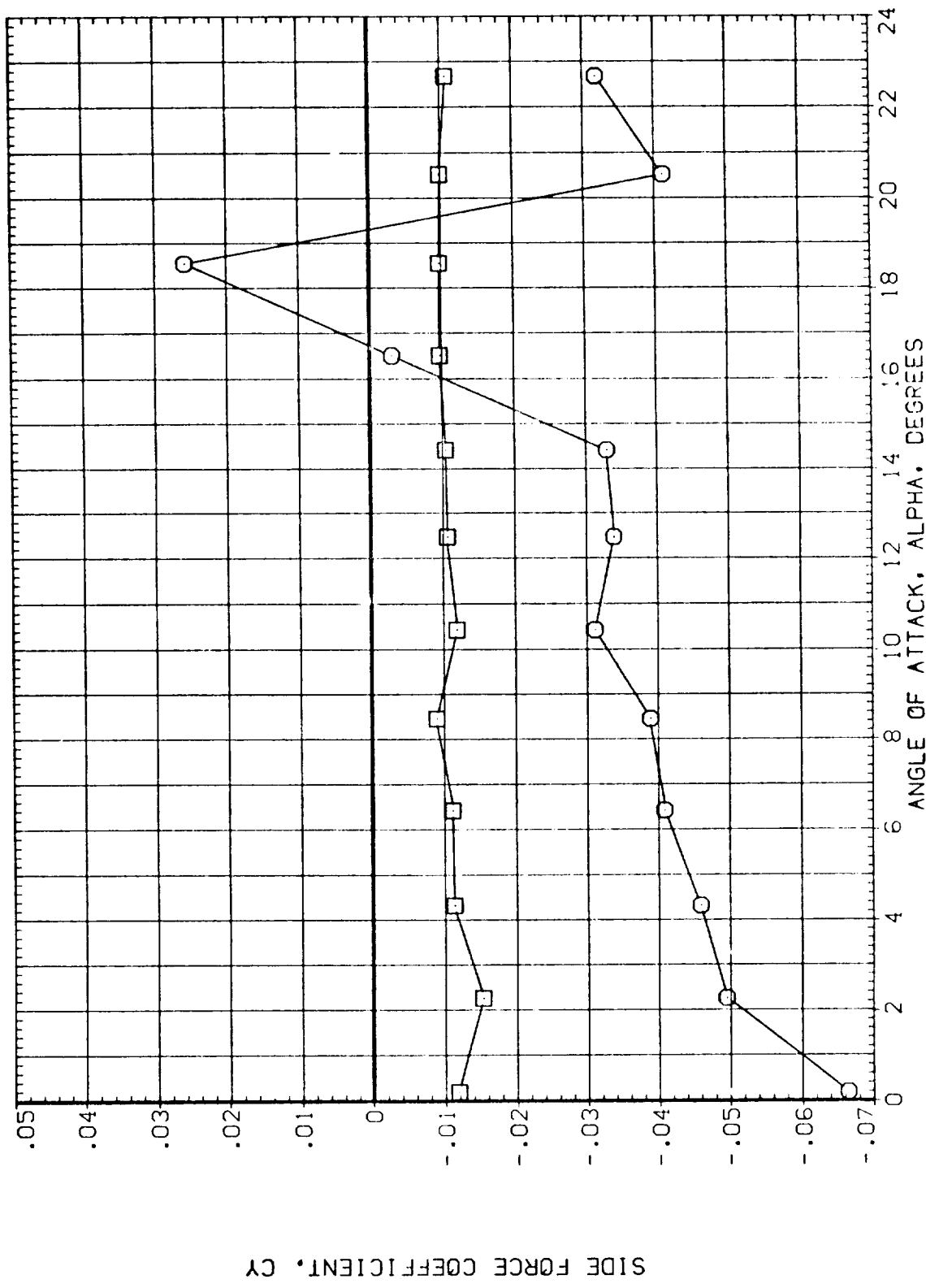


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ206)

CONFIGURATION 11 (BN3C6)

SYMBOL		DATA		PARAMETRIC VALUES			
○	CYM	MACH	.801	BETA	.000		
□	CYB	D1	.000	D3	.000		
		D2	.000	D4	.000		
		D1-3	.000	D2-4	.000		
		PHI-C	.000				

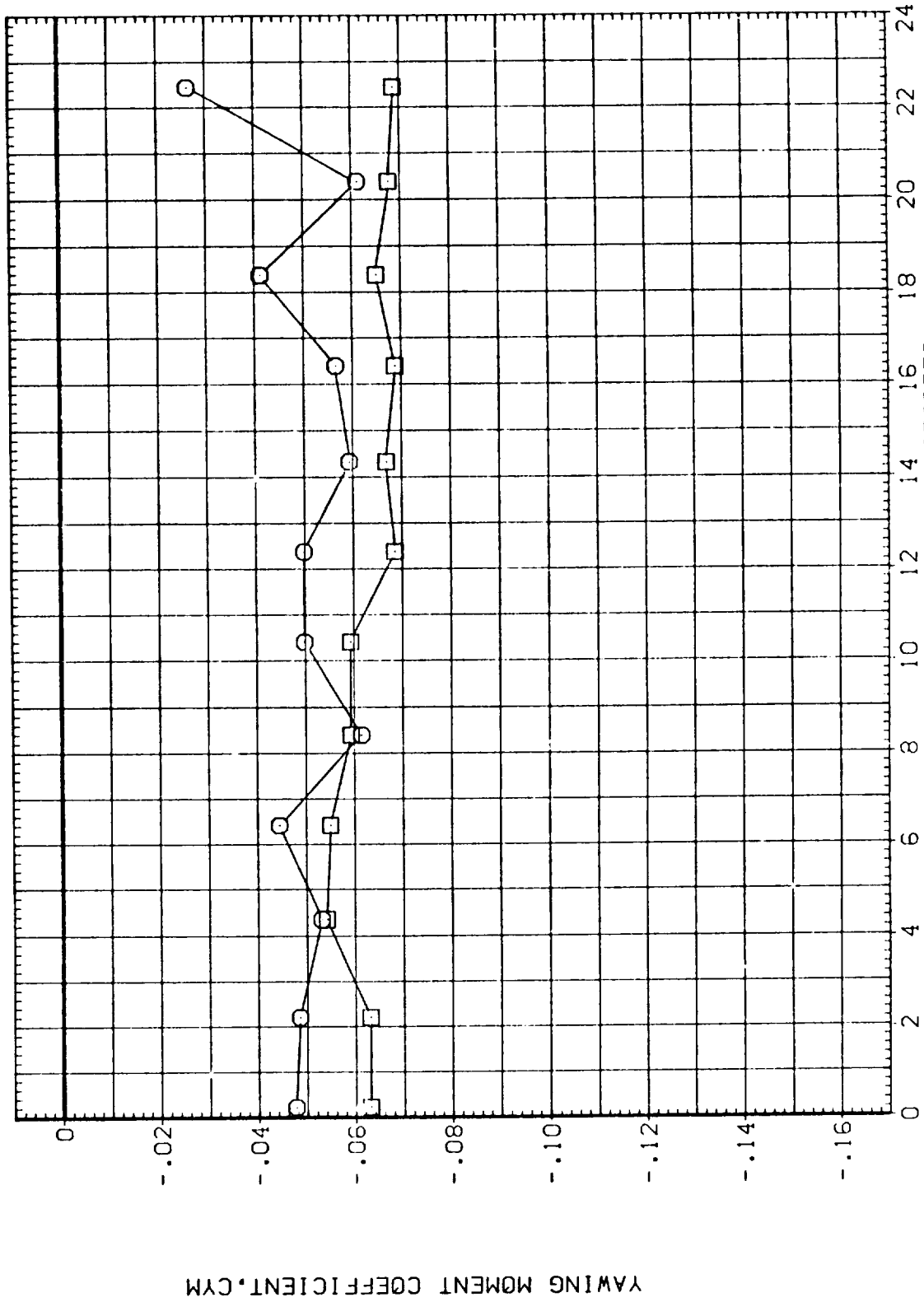


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL	DATA	MACH	PARAMETRIC VALUES	
○	CYM	D1	1.313	BETA .000
□	CYMB	D2	.000	D3 .000
		D1-3	.000	D4 .000
		PHI-C	.000	D2-4 .000

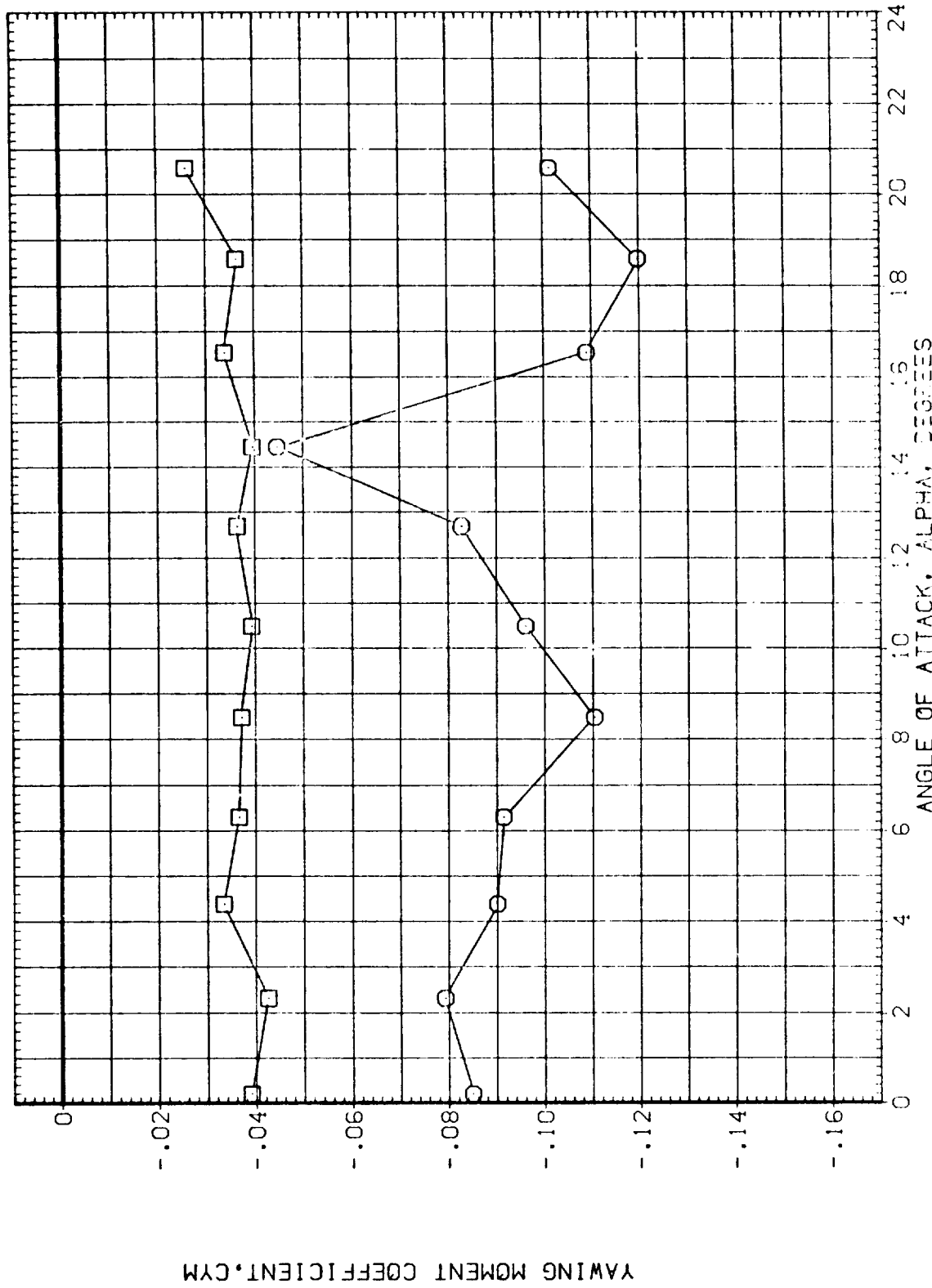


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ206)

CONFIGURATION 11 (BN3C6)

SYMBOL	DATA	PARAMETRIC VALUES					
		MACH	BETA	D1	D3	D2-4	PHI-C
○	CYM	1.763	.000	.000	.000	.000	.000
□	CYB	.000	.000	.000	.000	.000	.000

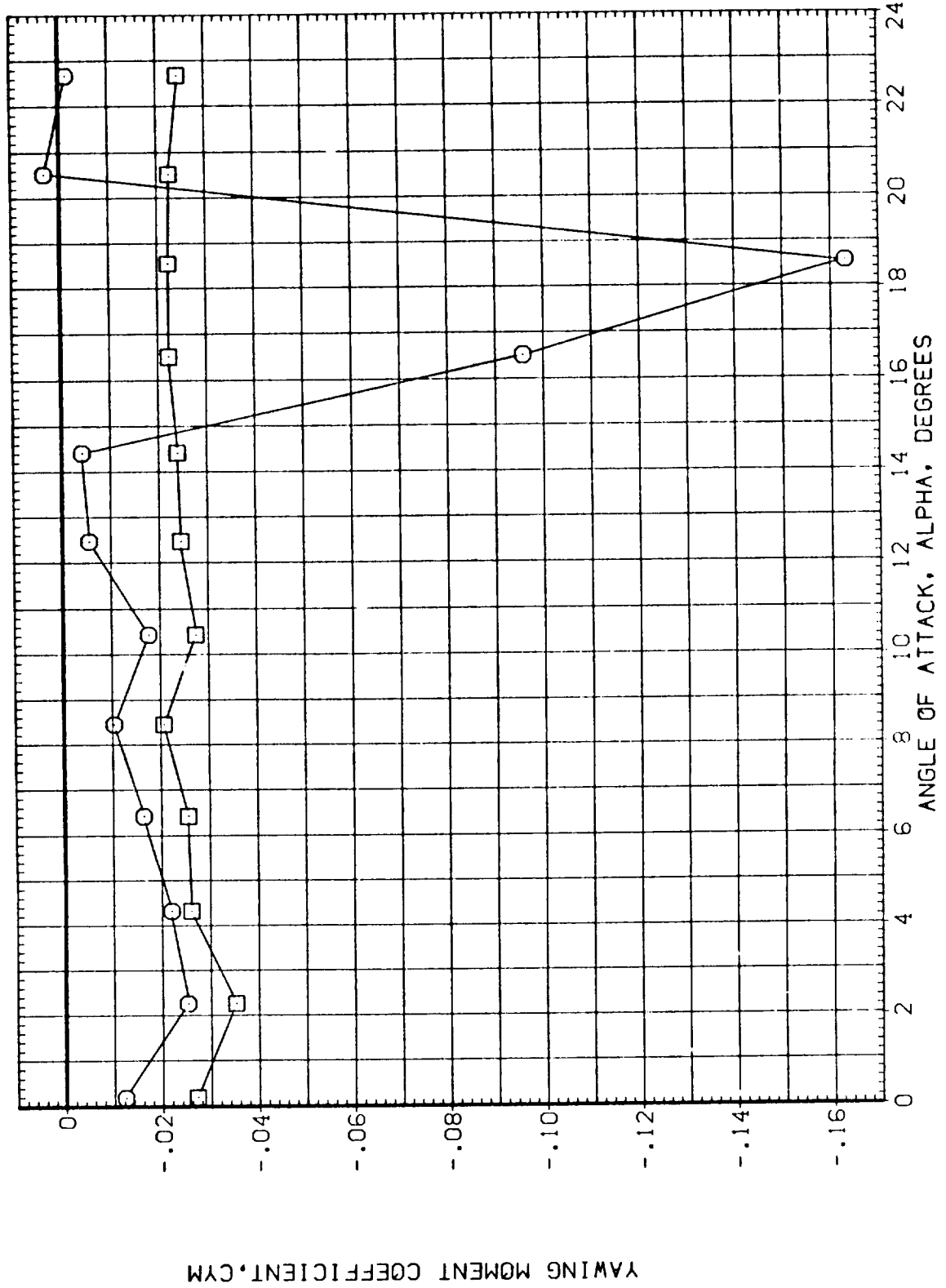


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL		DATA		PARAMETRIC VALUES			
○	CRM	MACH	.801	BETA	.000		
□	CRMB	D1	.000	D3	.000		
		D2	.000	D4	.000		
		D1-3	.000	D2-4	.000		
		PHI-C	.000				

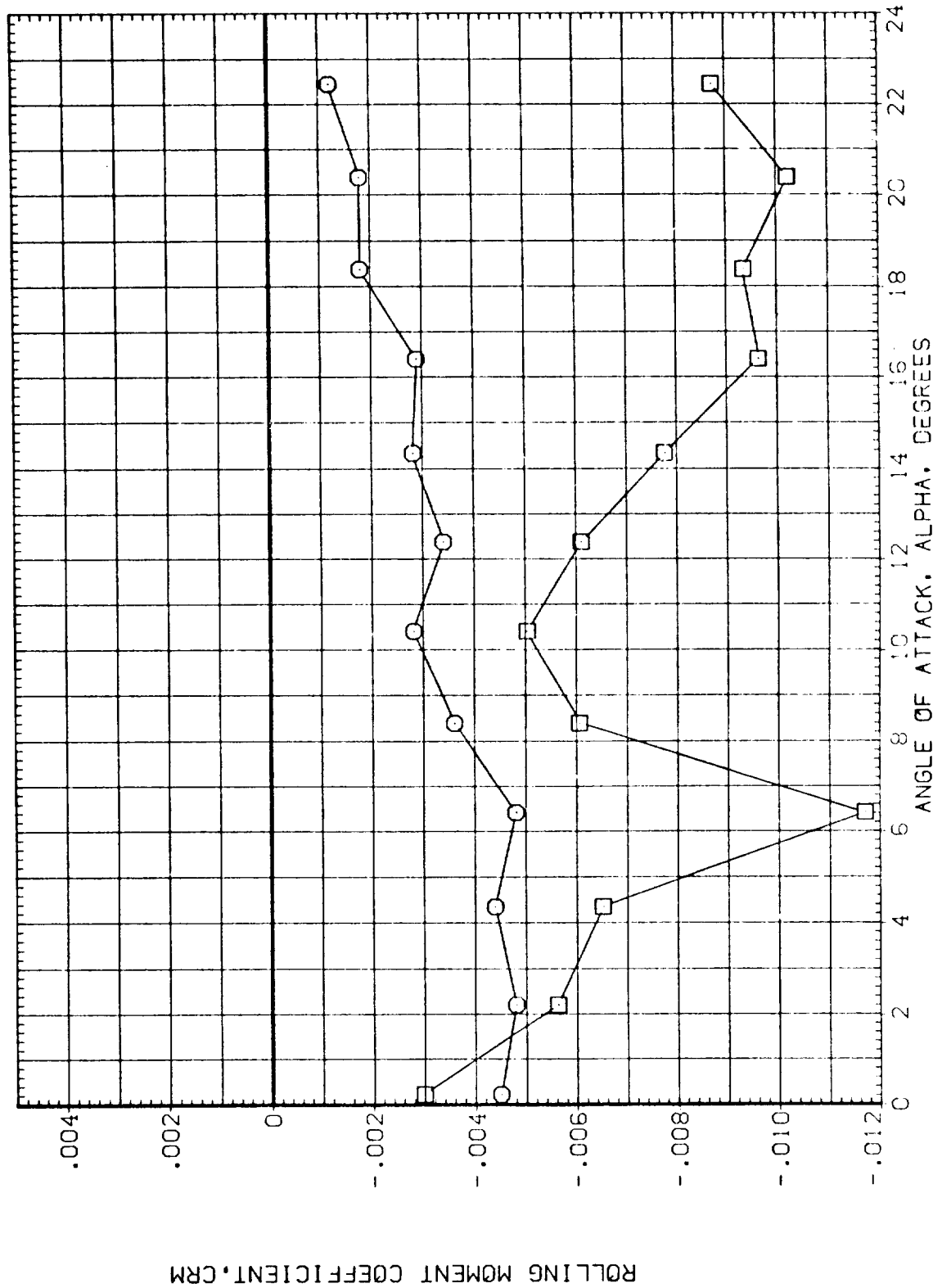


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS



(CEZ206)

CONFIGURATION 11 (BN3C6)

DATA	PARAMETRIC VALUES
CRM	MACH 1.313
CRMB	BETA .000
	D1 .000
	D2 .000
	D1-3 .000
	D2-4 .000
	PHI-C .000

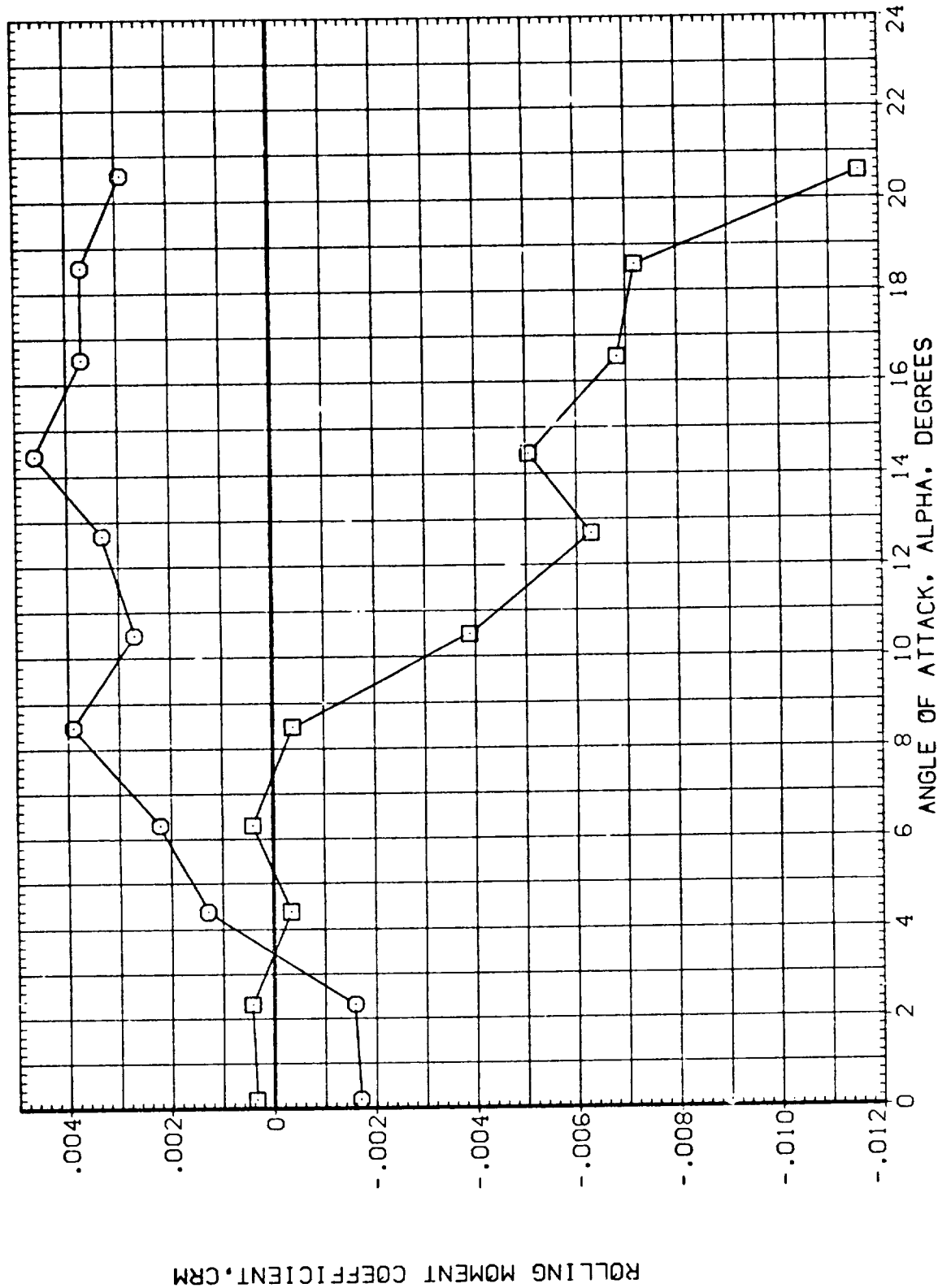


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA  
CRM  
CRMB

SYMBOL  
○  
□

MACH 1.763  
D1 .000  
D2 .000  
D1-3 .000  
PHI-C .000

PARAMETRIC VALUES  
BETA .000  
D3 .000  
D4 .000  
D2-4 .000

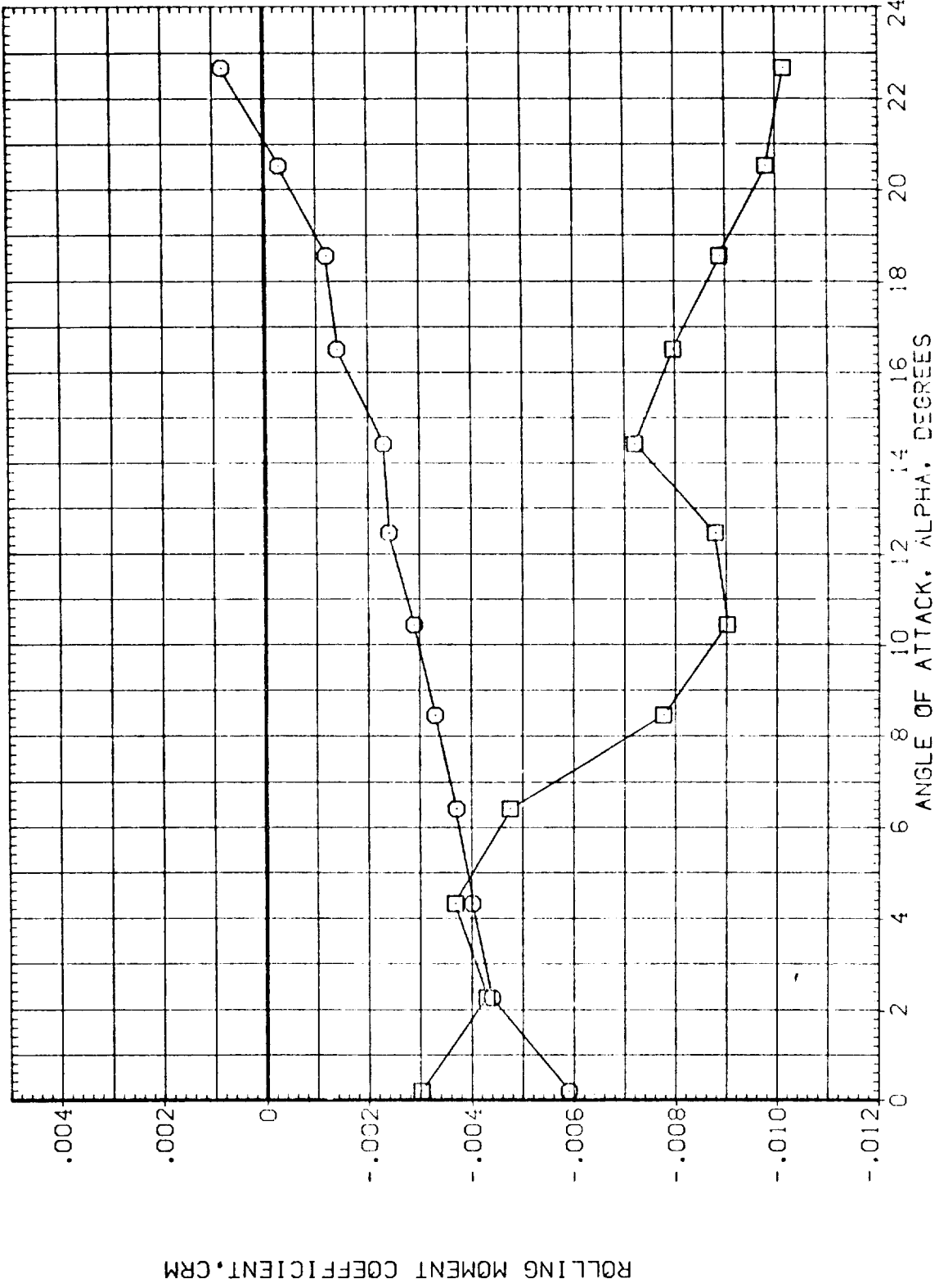


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ205)

CONFIGURATION 11 (BN3C6)

SYMBOL		DATA		PARAMETRIC VALUES				
○	CN	MACH	BETA	.802	.000			
□	CNB	D1	D3	.000	.000			
		D2	D4	5.000	5.000			
		D1-3	D2-4	.000	.000			
		PHI-C		.000				

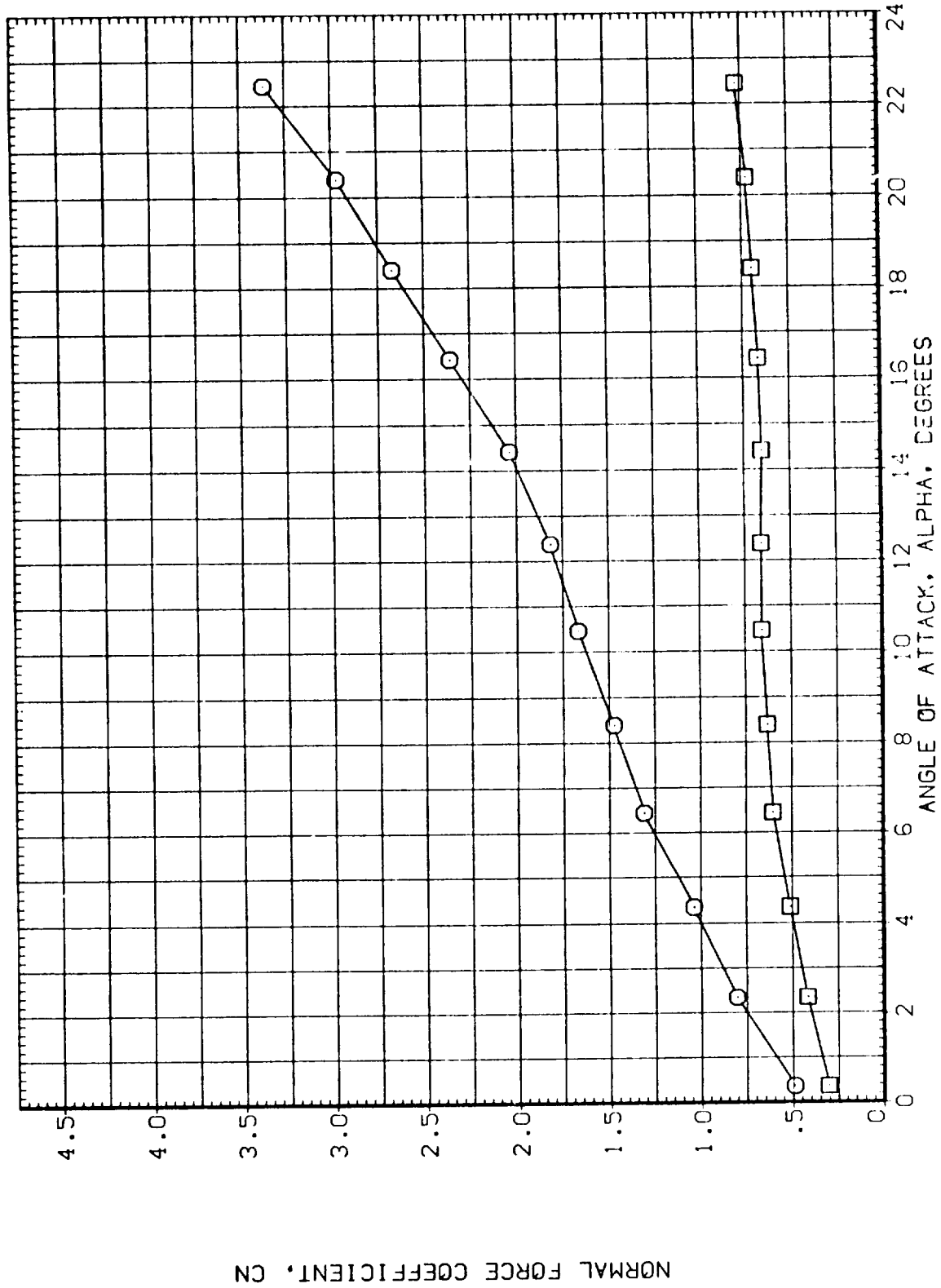


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA                    PARAMETRIC VALUES  
CN                    1.313    BETA                    .000  
CNB                    .000    D3                    .000  
                      5.000    D4                    5.000  
MACH                    .000    D2-4                    5.000  
D1-3                    .000  
PHI-C                    .000

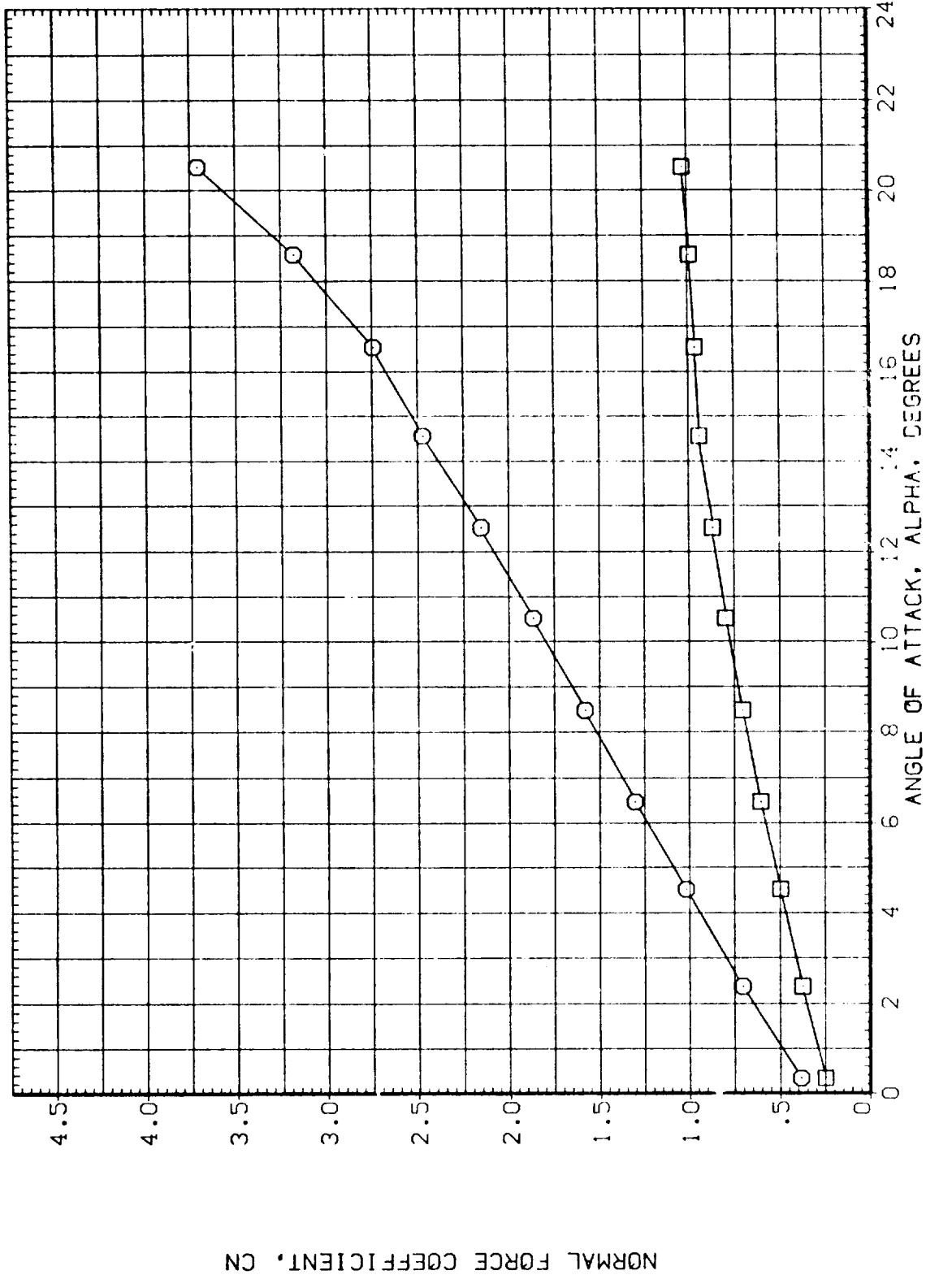


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ205)

CONFIGURATION 11 (BN3C6)

SYMBOL		DATA		PARAMETRIC VALUES			
○	CN	MACH	1.762	BETA	.000		
□	CNB	D1	.000	D3	.000		
		D2	5.000	D4	5.000		
		D1-3	.000	D2-4	5.000		
		PHI-C	.000				

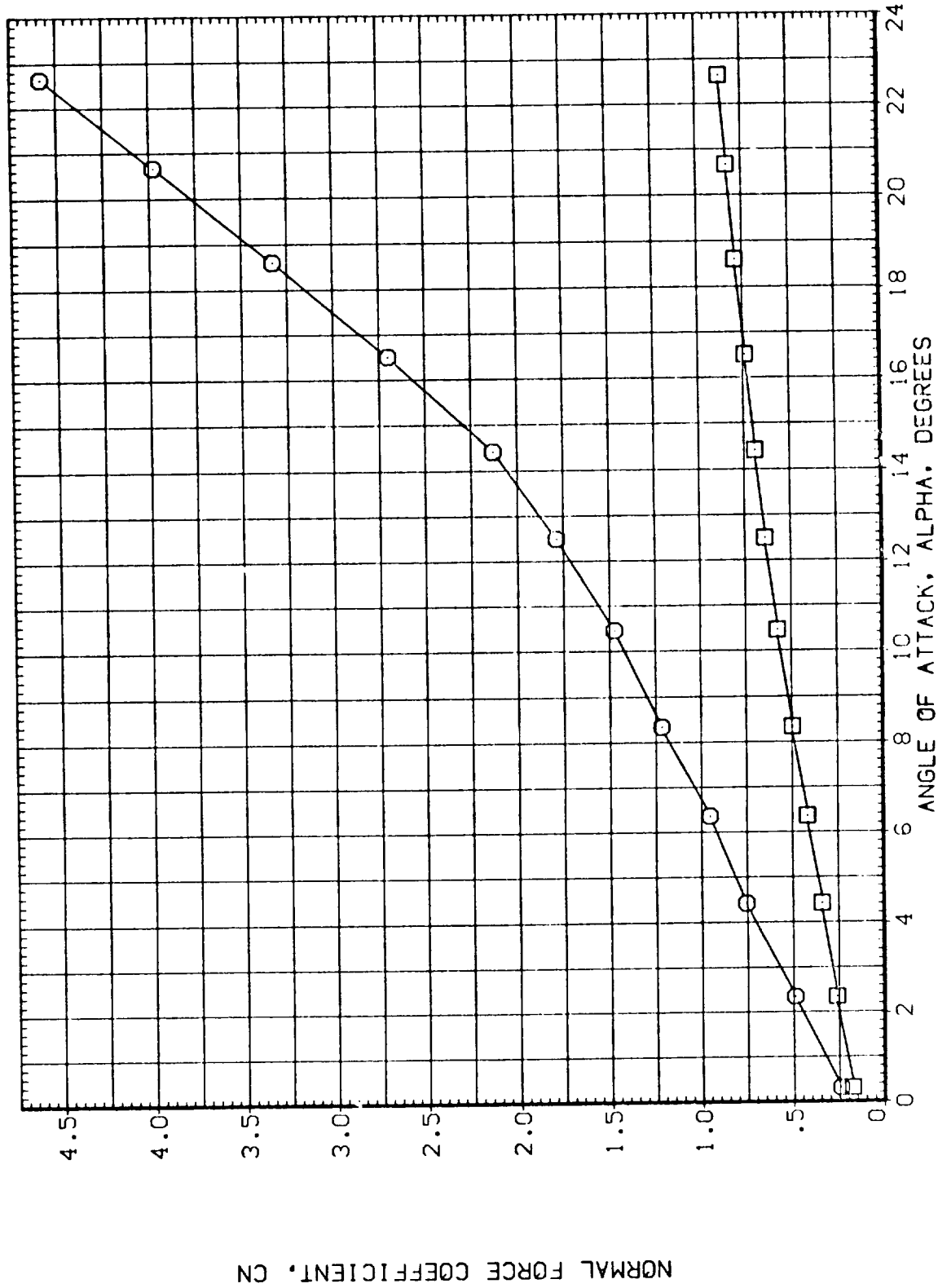


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	MACH	PARAMETRIC VALUES	
CM	.802	BETA	.000
CMB	.000	D3	.000
	5.000	D4	5.000
	.000	D2-4	5.000
	PHI-C		.000

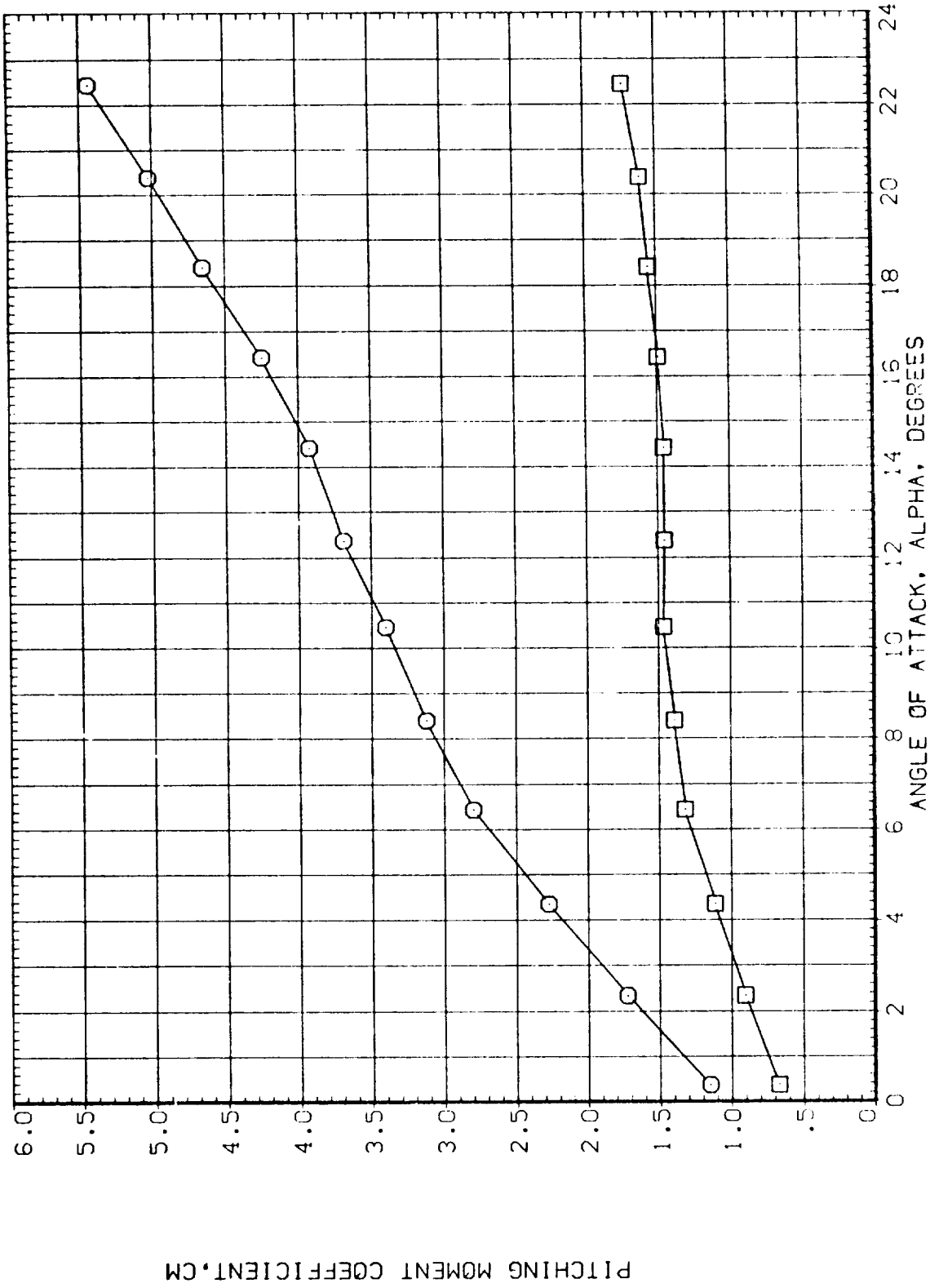


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ205)

CONFIGURATION 11 (BN3C6)

SYMBOL		DATA		PARAMETRIC VALUES			
○	CM	MACH	1.313	BETA	.000		
□	CMB	D1	.000	D3	.000		
		D2	5.000	D4	5.000		
		D1-3	.000	D2-4	5.000		
		PHI-C	.000				

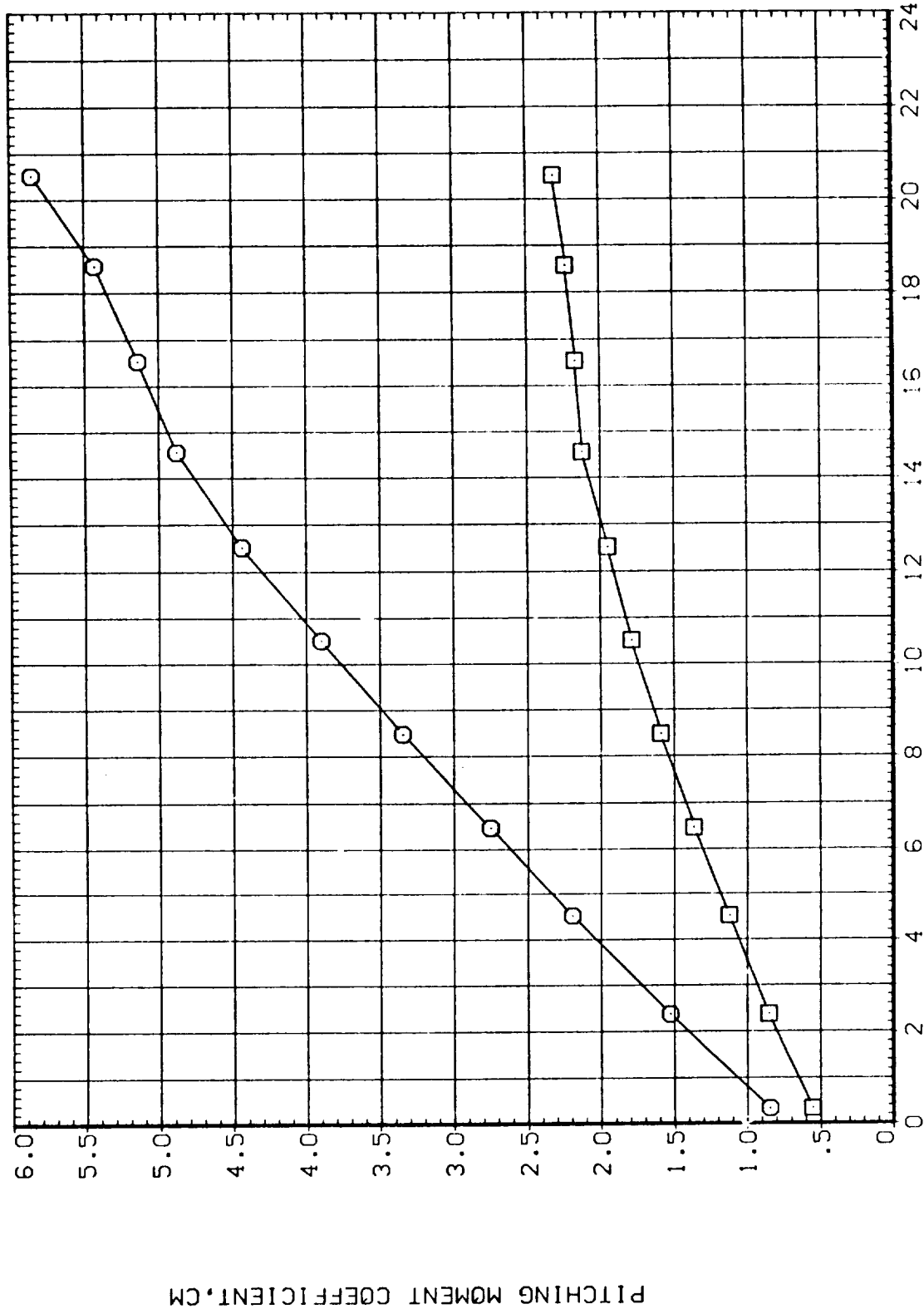


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL      DATA      PARAMETRIC VALUES  
○            CM            MACH            1.762            BETA            .000  
□            ChB          D1            .000            D3            .000  
                 D2            5.000          D4            5.000  
                 D1-3          .000          D2-4          5.000  
                 PHI-C        .000

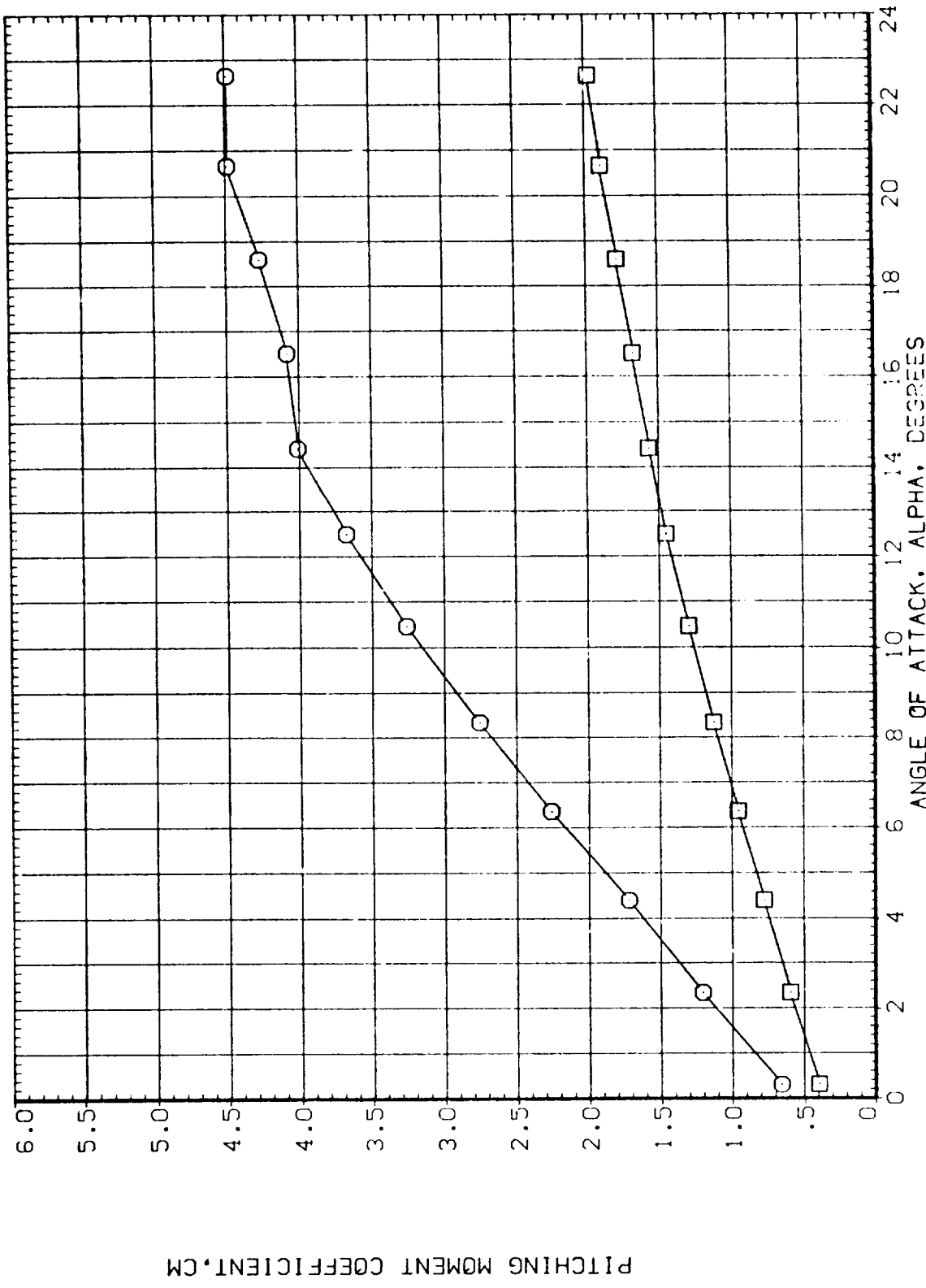


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS



(0EZ205)

CONFIGURATION 11 (BN3C6)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
O	CA	D1	BETA .000
		D2	D3 .000
		D1-3	D4 5.000
		PHI-C	D2-4 5.000
			.000

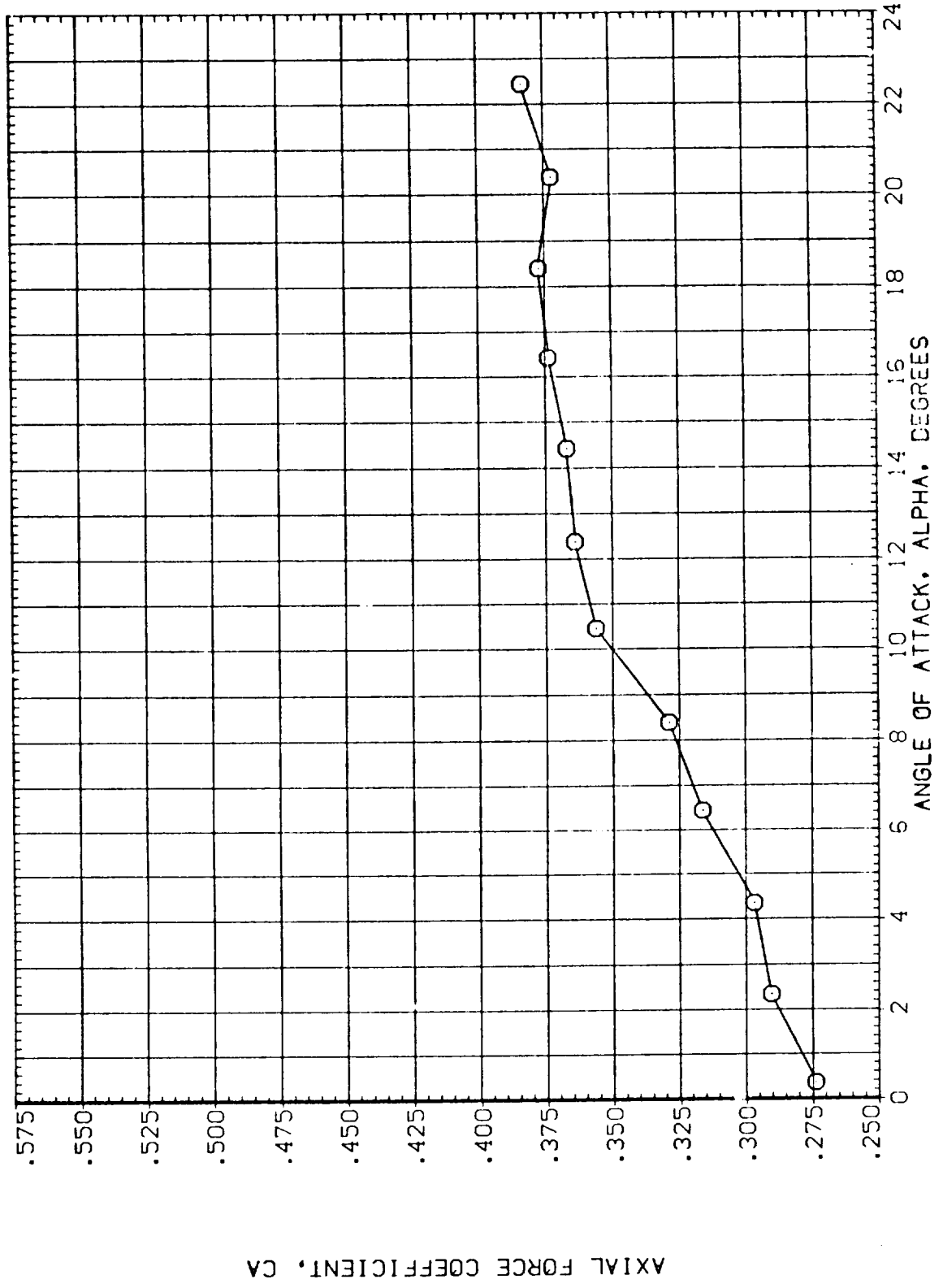


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 11 (BN3C6)

SYMBOL		PARAMETRIC VALUES	
O	CA	MACH	BETA
		D1	D3
		D2	D4
		D1-3	D2-4
		PHI-C	
			.000
			.000
			5.000
			5.000

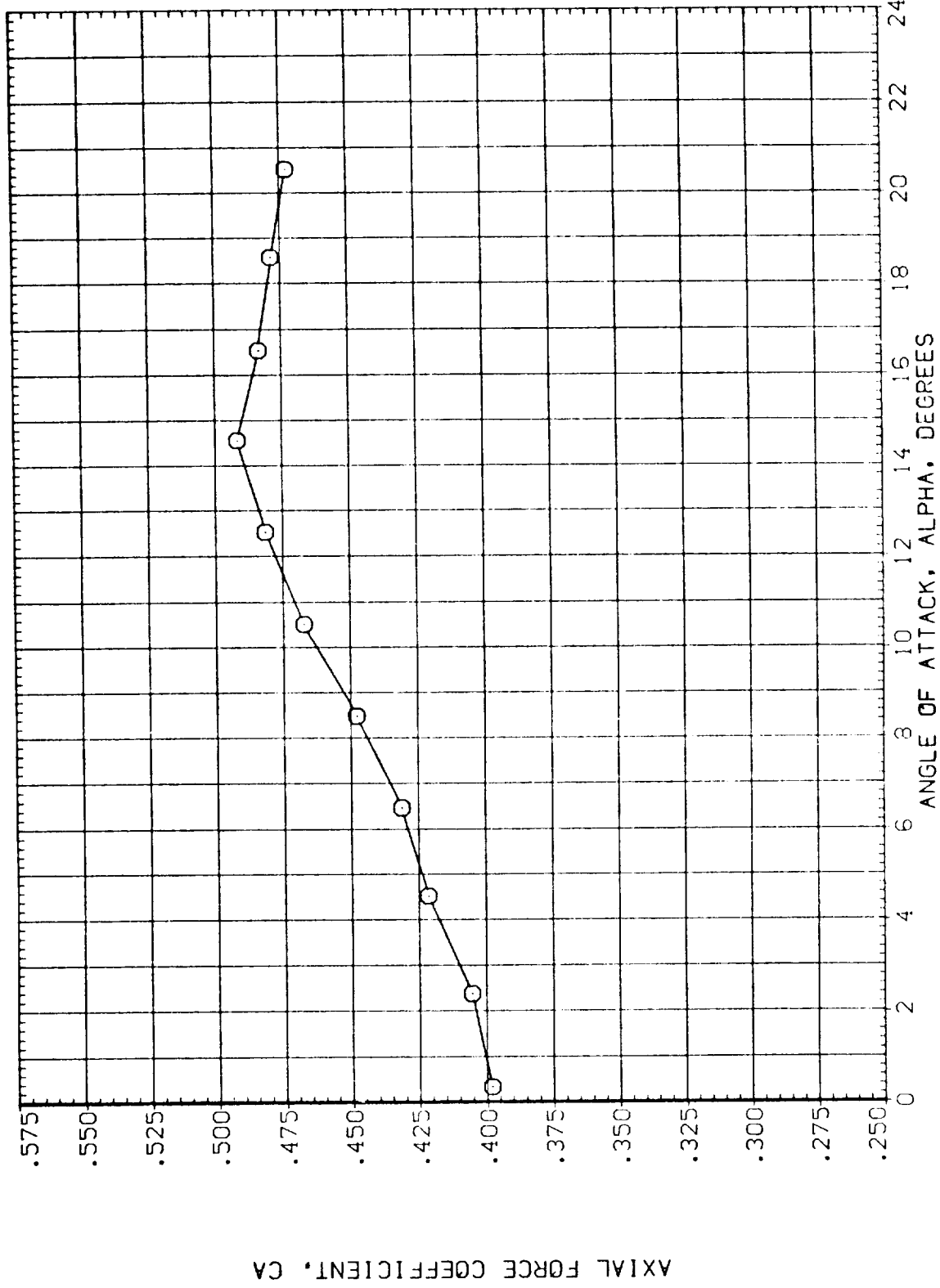


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(0EZ205)

CONFIGURATION 11 (BN3C6)

SYMBOL	DATA	MACH	PARAMETRIC VALUES	
○	CA	D1	1.762	BETA .000
		D2	.000	D3 .000
		D1-3	5.000	D4 5.000
		PHI-C	.000	D2-4 5.000
			.000	

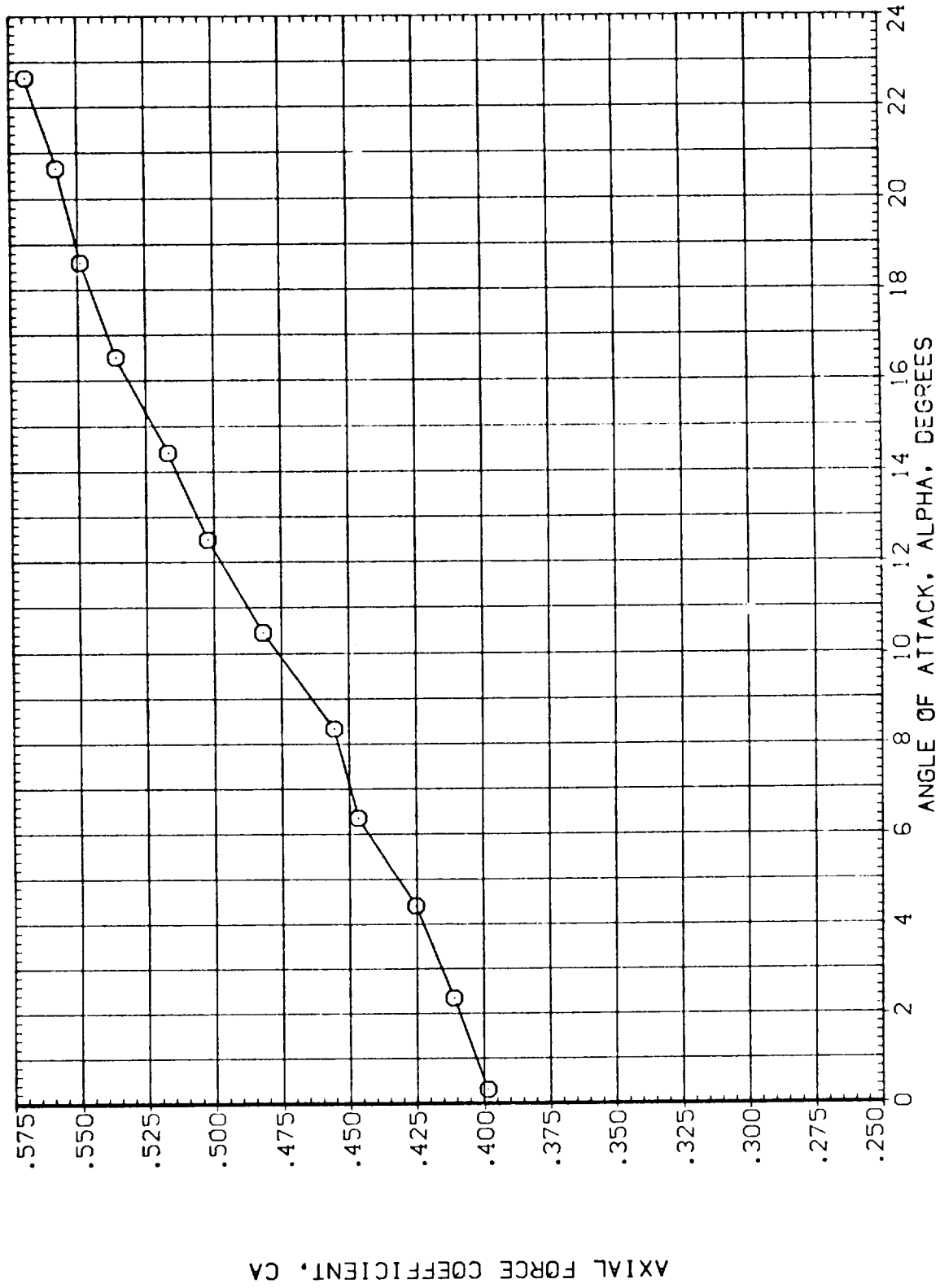


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA		PARAMETRIC VALUES			
CY	.802	BETA	.000		
CYB	.000	D3	.000		
	5.000	D4	5.000		
	.000	D2-4	5.000		
		PHI-C	.000		

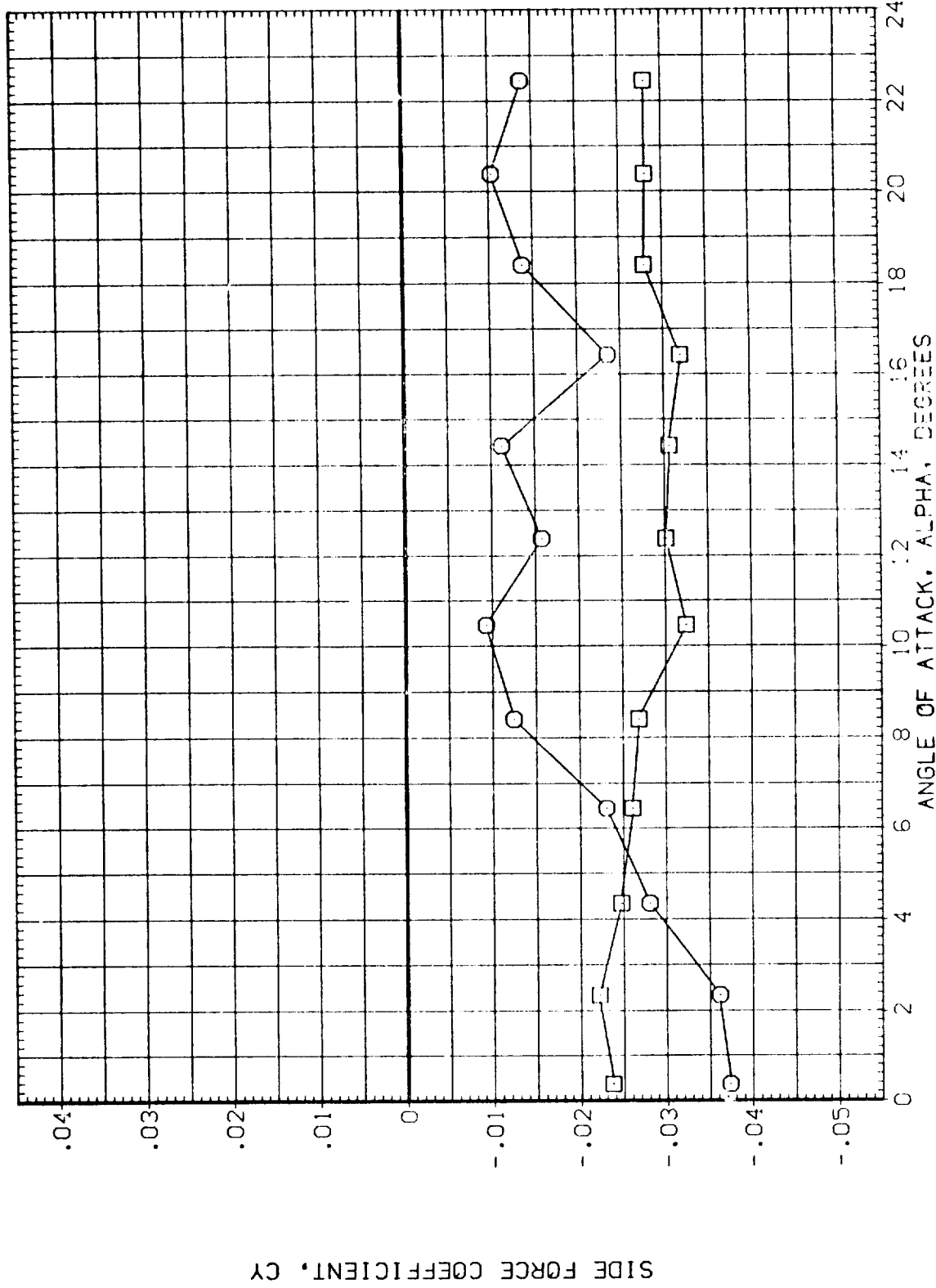


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ205)

CONFIGURATION 11 (BN3C6)

SYMBOL		DATA		PARAMETRIC VALUES			
○	CY	MACH	1.313	BETA	.000		
□	CYB	D1	.000	D3	.000		
		D2	5.000	D4	5.000		
		D1-3	.000	D2-4	5.000		
		PHI-C	.000				

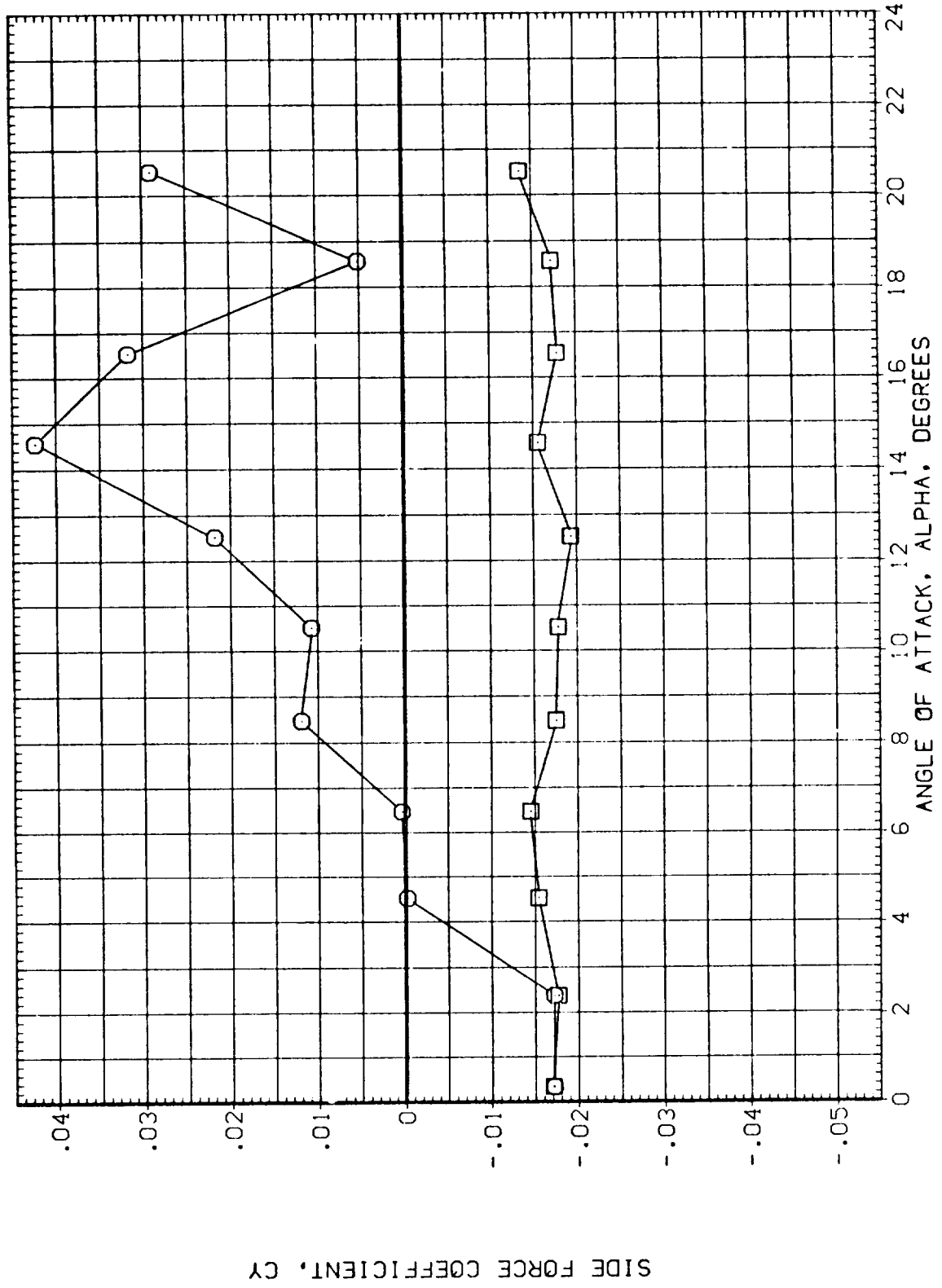


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS



(CEZ205)

CONFIGURATION 11 (BN3C6)

SYMBOL		DATA		PARAMETRIC VALUES			
○	CYM	MACH	.802	BETA	.000		
□	CYMB	D1	.000	D3	.000		
		D2	5.000	D4	5.000		
		D1-3	.000	D2-4	5.000		
		PHI-C	.000				

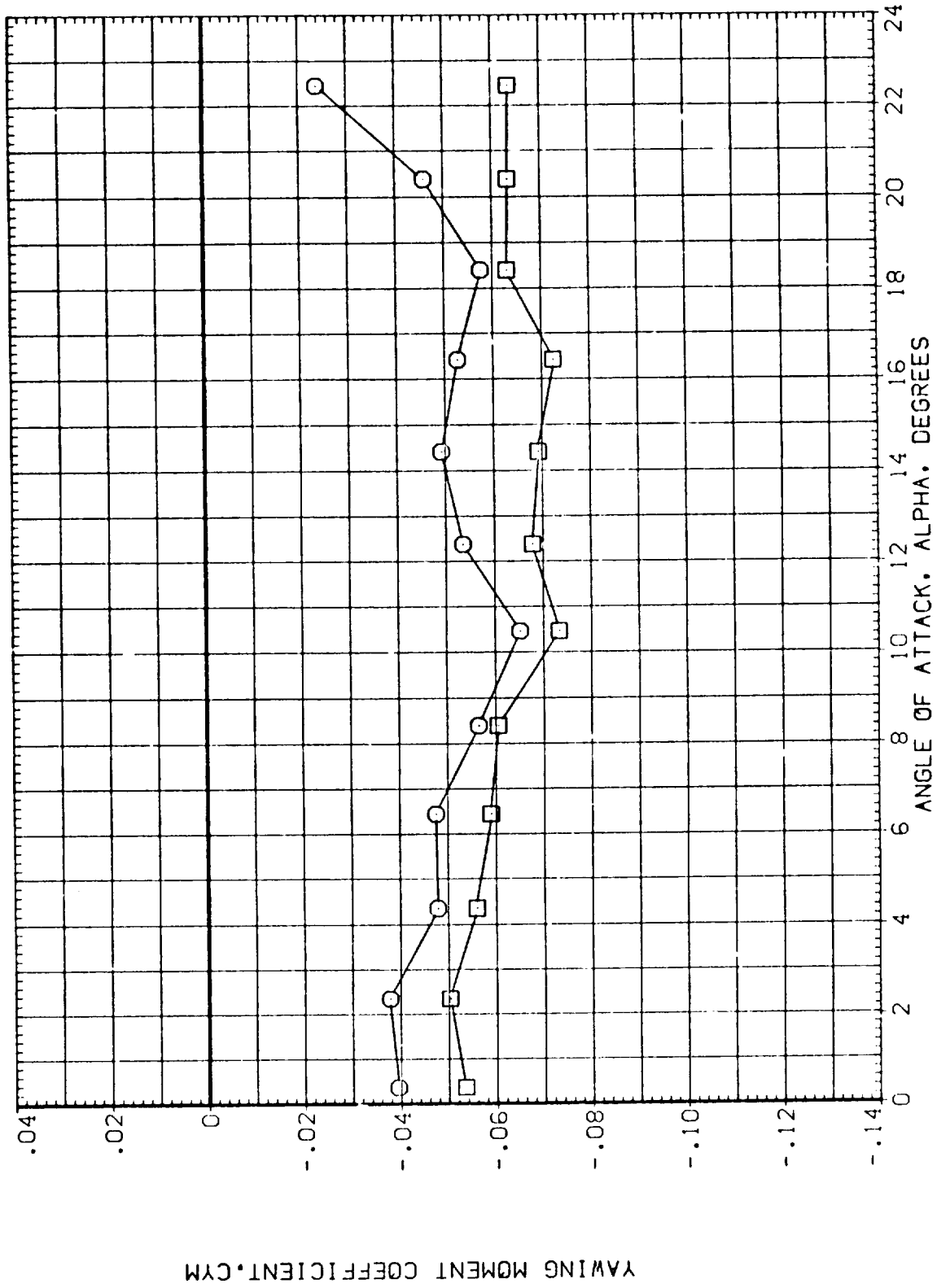


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL	DATA	MACH	PARAMETRIC VALUES
□	CYM	D1	1.313 BETA .000
□	CYB	D2	.000 D3 .000
		D1-3	5.000 D4 5.000
		PHI-C	.000 D2-4 5.000

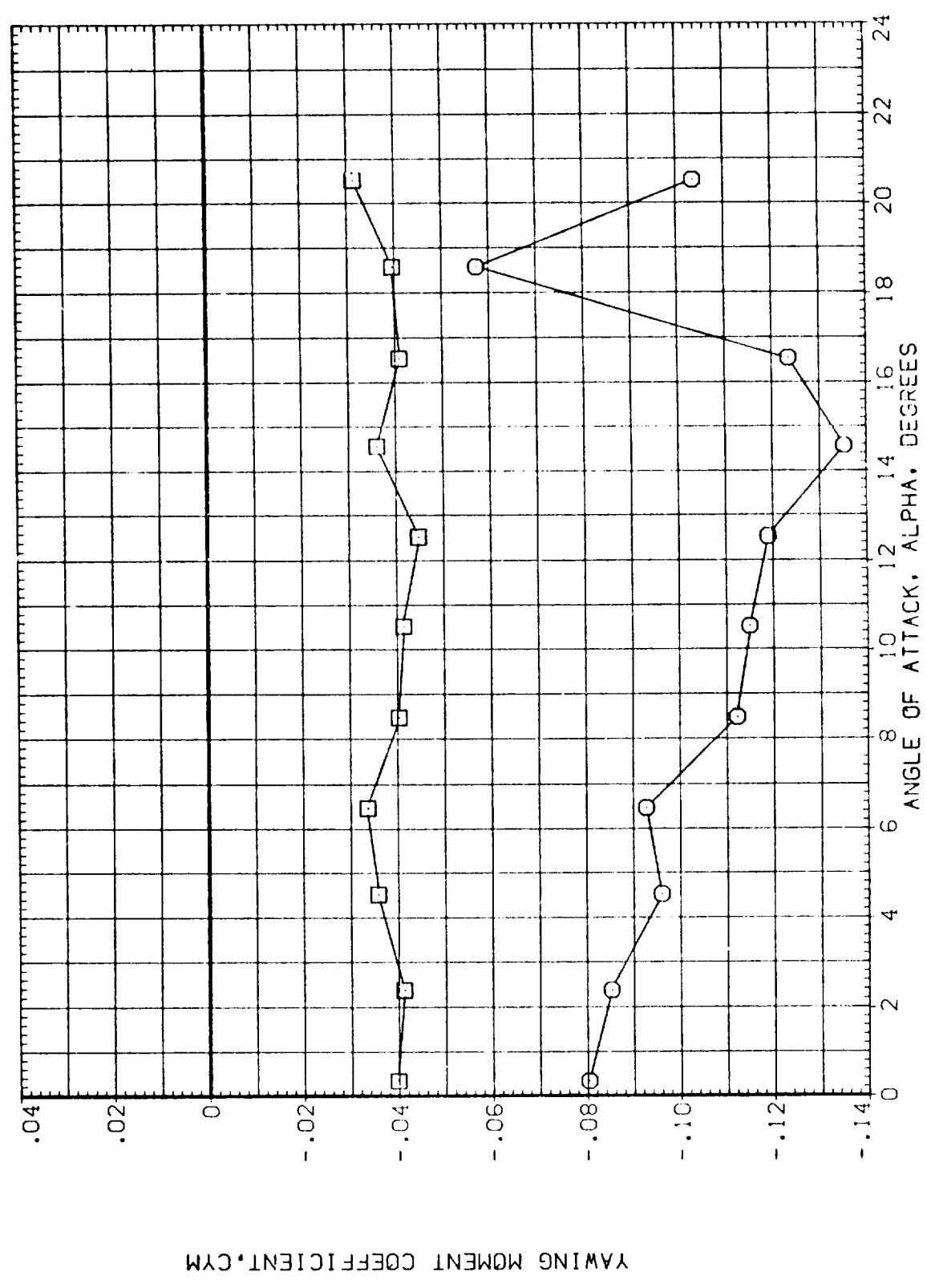


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS



(CEZ205)

CONFIGURATION 11 (BN3C6)

SYMBOL		DATA		PARAMETRIC VALUES			
○	CYM	MACH	1.762	BETA	.000		
□	CYB	D1	.000	D3	.000		
		D2	5.000	D4	5.000		
		D1-3	.000	D2-4	5.000		
		PHI-C	.000				

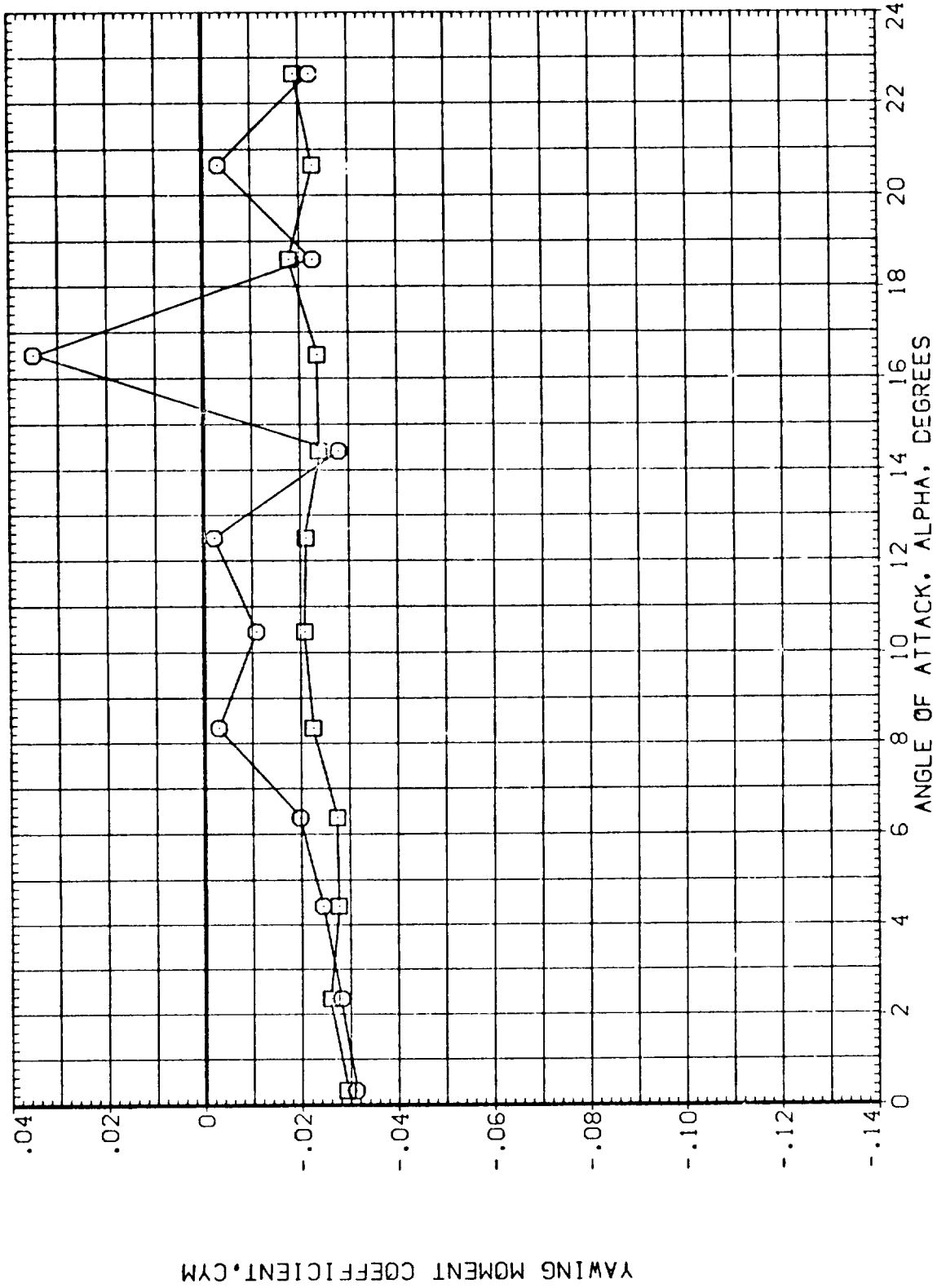


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL		DATA		PARAMETRIC VALUES			
○	CRH	.802	BETA	.000			
□	CRMB	.000	D3	.000			
		D2	D4	5.000			
		D1-3	D2-4	5.000			
		PHI-C		.000			

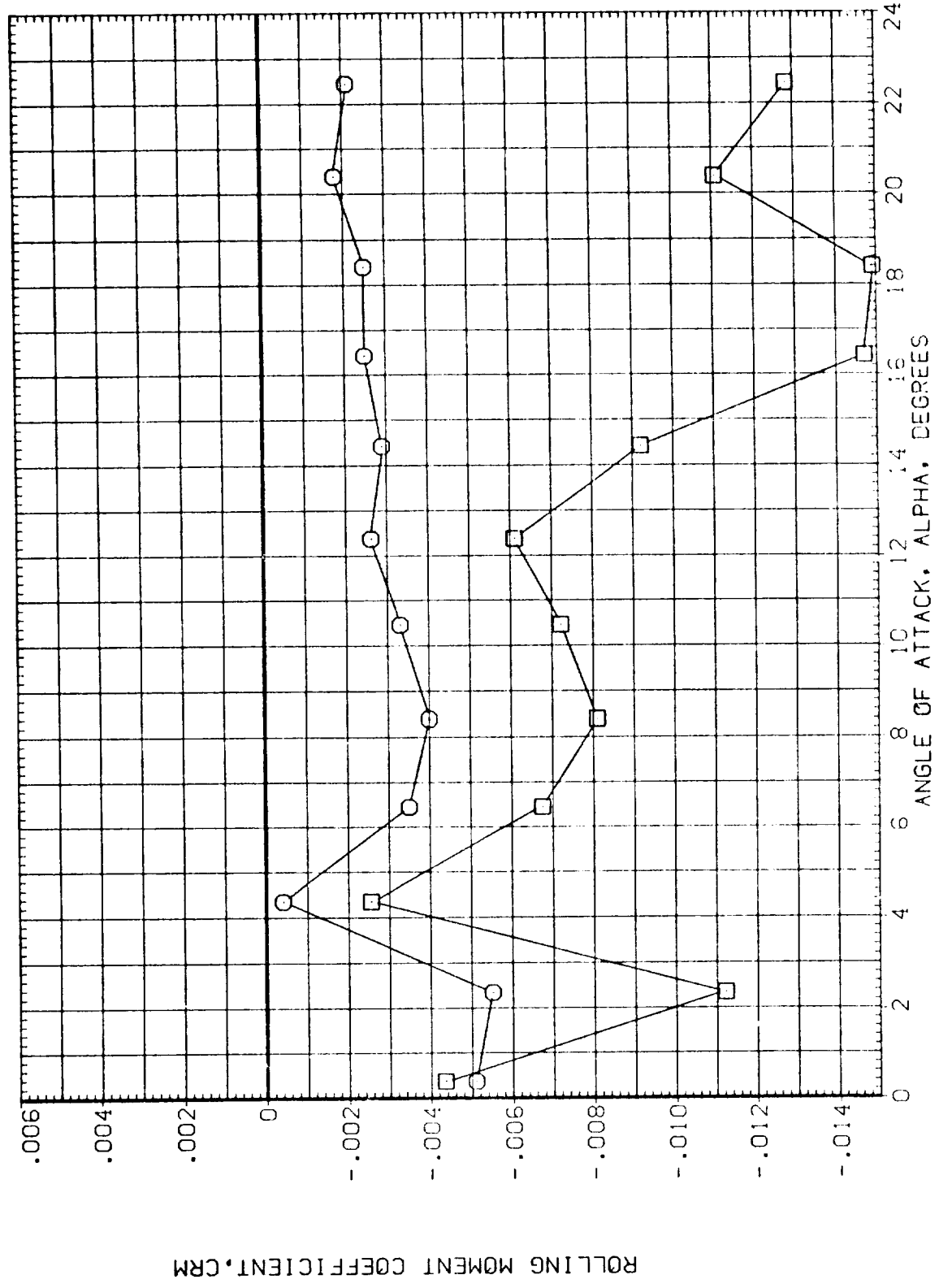


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ205)

CONFIGURATION 11 (BN3C6)

SYMBOL		DATA		PARAMETRIC VALUES			
○	CRM	MACH	1.313	BETA	.000		
□	CRMB	D1	.000	D3	.000		
		D2	5.000	D4	5.000		
		D1-3	.000	D2-4	5.000		
		PHI-C	.000				

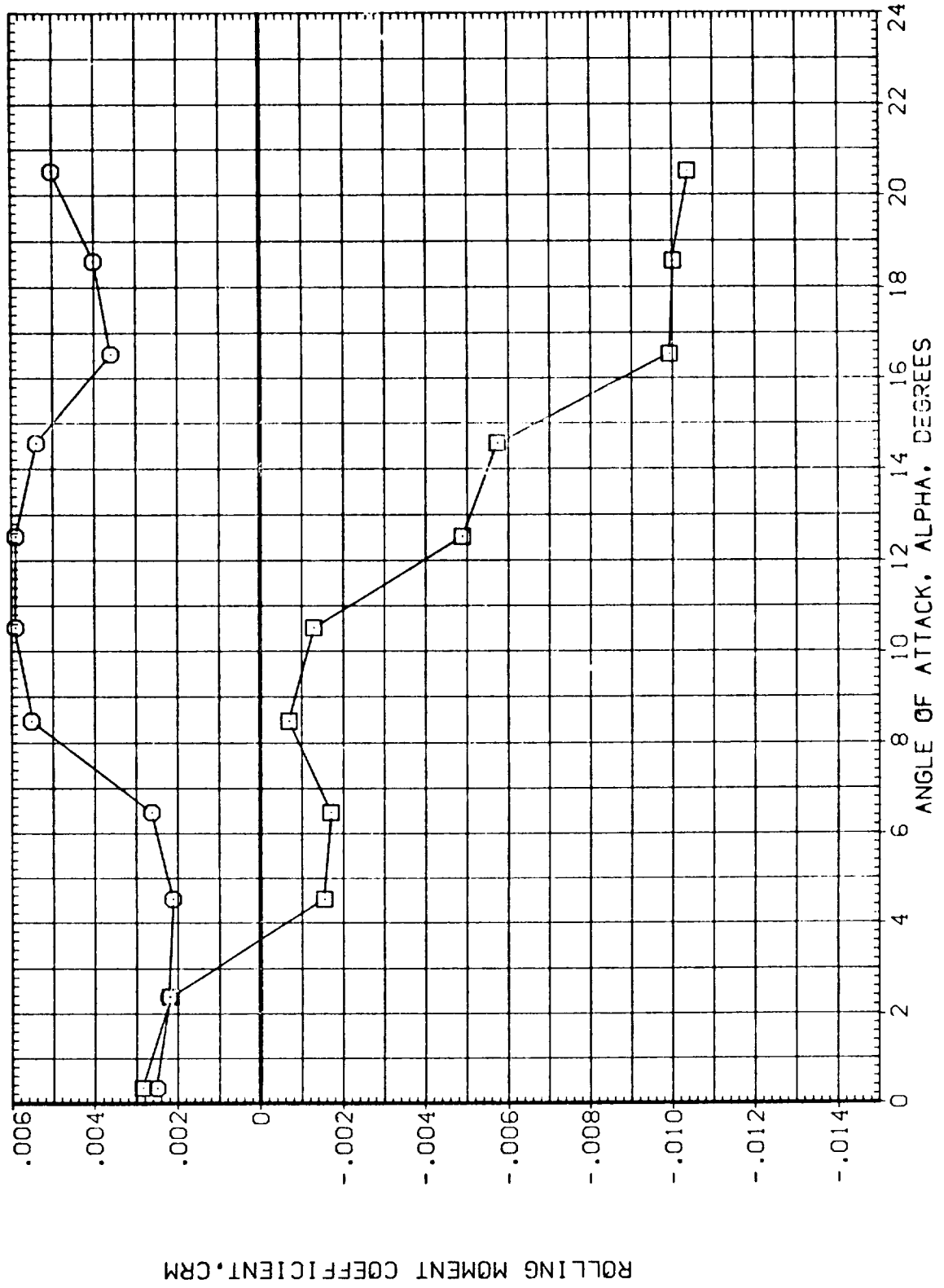


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 11 (BN3C6)

DATA		PARAMETRIC VALUES			
CRM	MACH	1.762	BETA	.000	
CRMB	D1	.000	D3	.000	
	D2	5.000	D4	5.000	
	D1-3	.000	D2-4	5.000	
	PHI-C	.000			

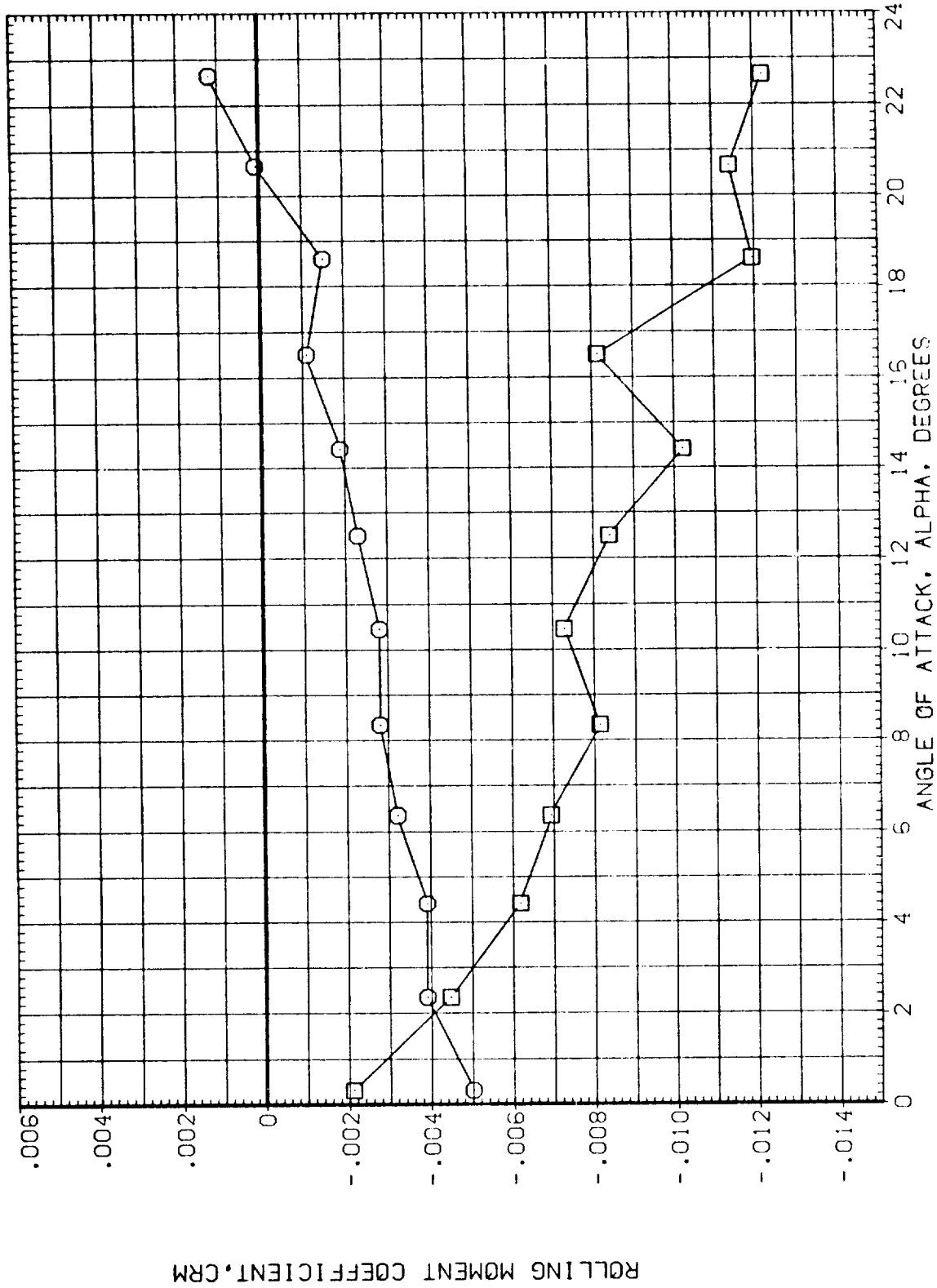


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ204)

CONFIGURATION 11 (BN3C6)

SYMBOL	DATA	MACH	PARAMETRIC VALUES			
○	CN	D1	.805	BETA	.000	
□	CNB	D2	.000	D3	.000	
		D1-3	10.000	D4	10.000	
		PHI-C	.000	D2-4	10.000	

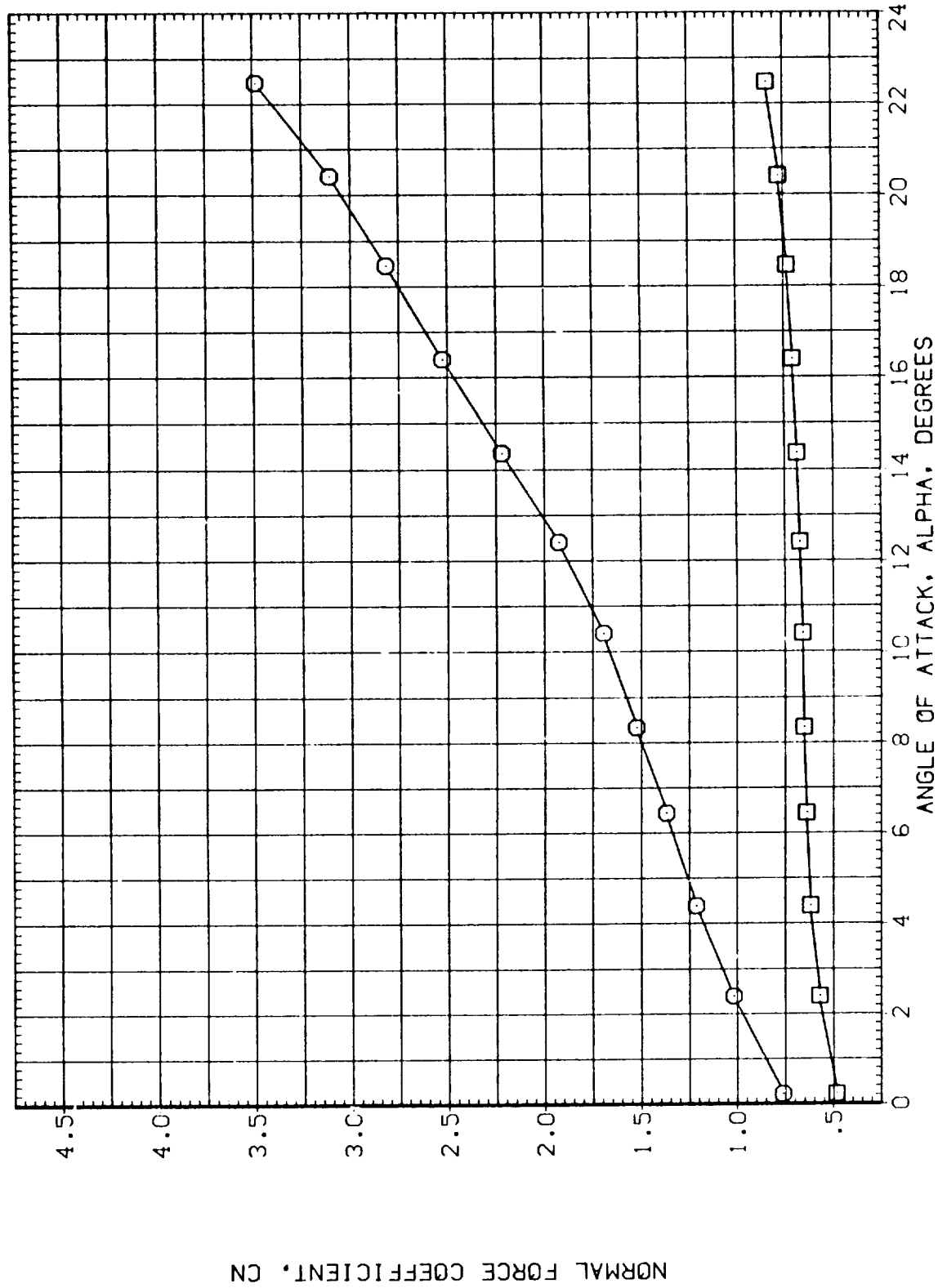


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS



(CEZ204)

CONFIGURATION 11 (BN3C6)

DATA	PARAMETRIC VALUES
CN	1.762
CNB	BETA .000
	D1 .000
	D2 10.000
	D3 .000
	D4 10.000
	D1-3 .000
	D2-4 10.000
	PHI-C .000

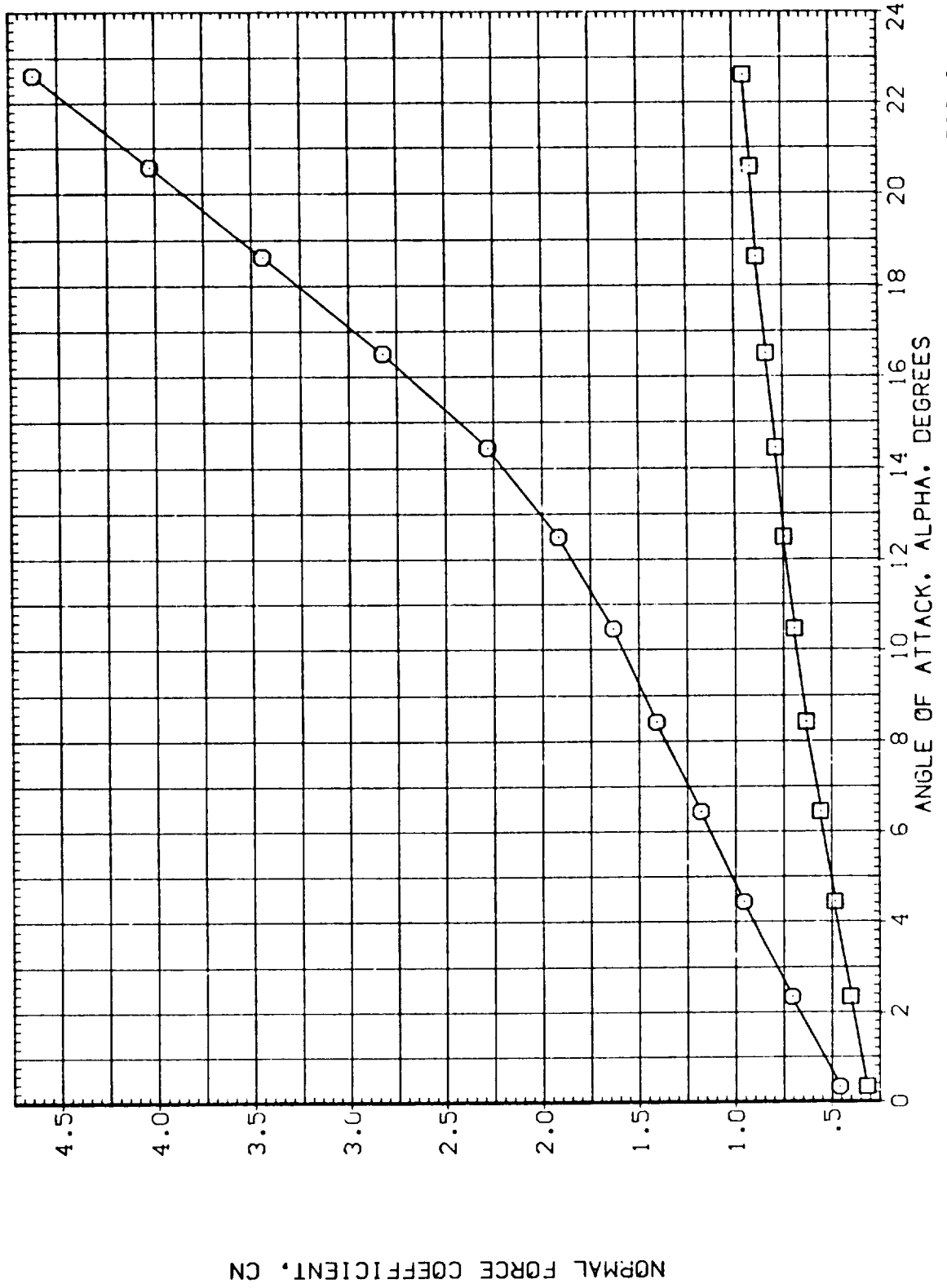


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	PARAMETRIC VALUES
CM	.805 BETA .000
CMB	.000 D3 .000
	10.000 D4 10.000
	.000 D2-4 10.000
	.000
	PHI-C

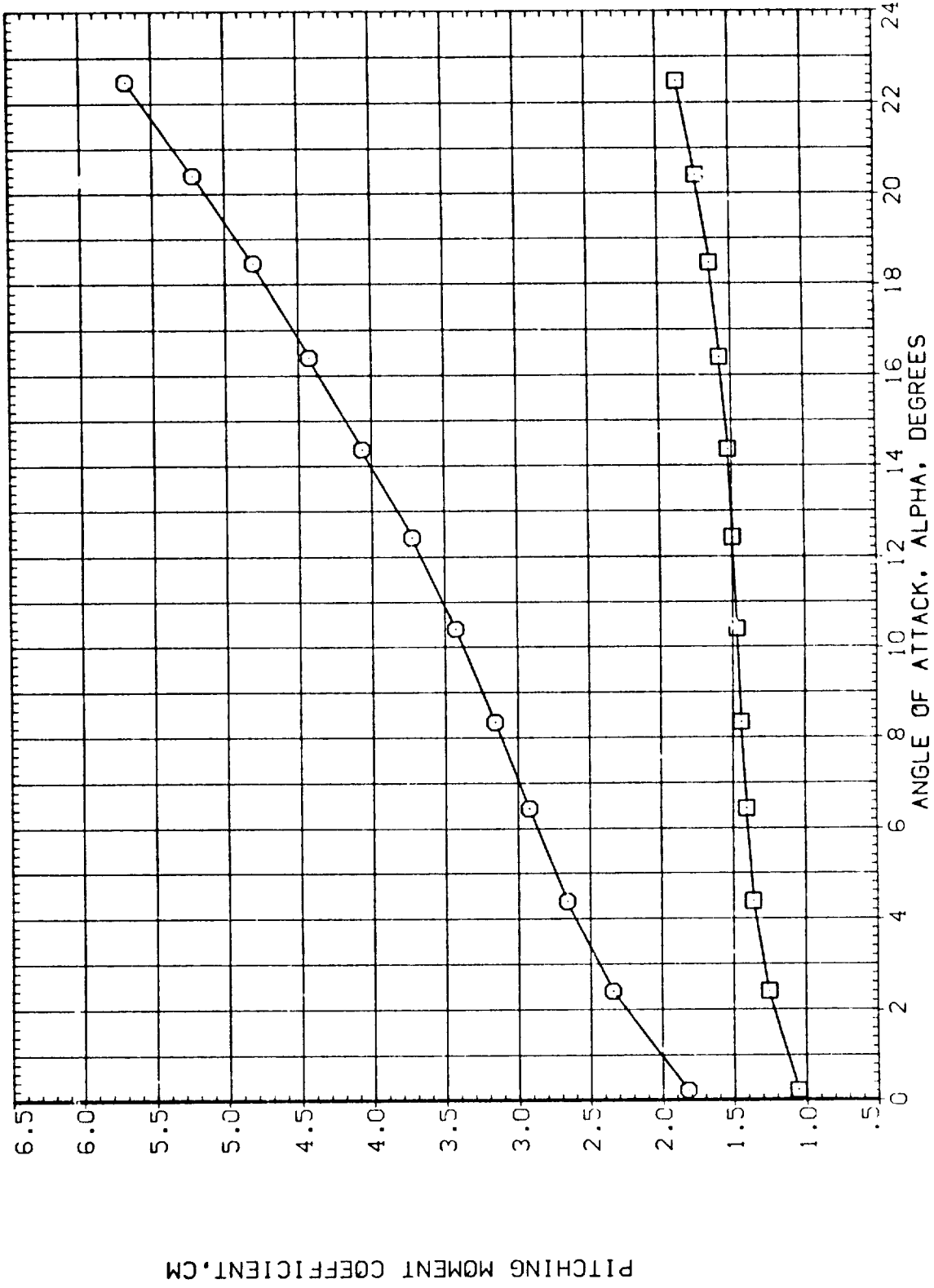


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS



(CEZ204)

CONFIGURATION 11 (BN3C6)

DATA		PARAMETRIC VALUES			
CM	MACH	1.312	BETA	.000	
CMB	D1	.000	D3	.000	
	D2	10.000	D4	10.000	
	D1-3	.000	D2-4	10.000	
	PHI-C	.000			

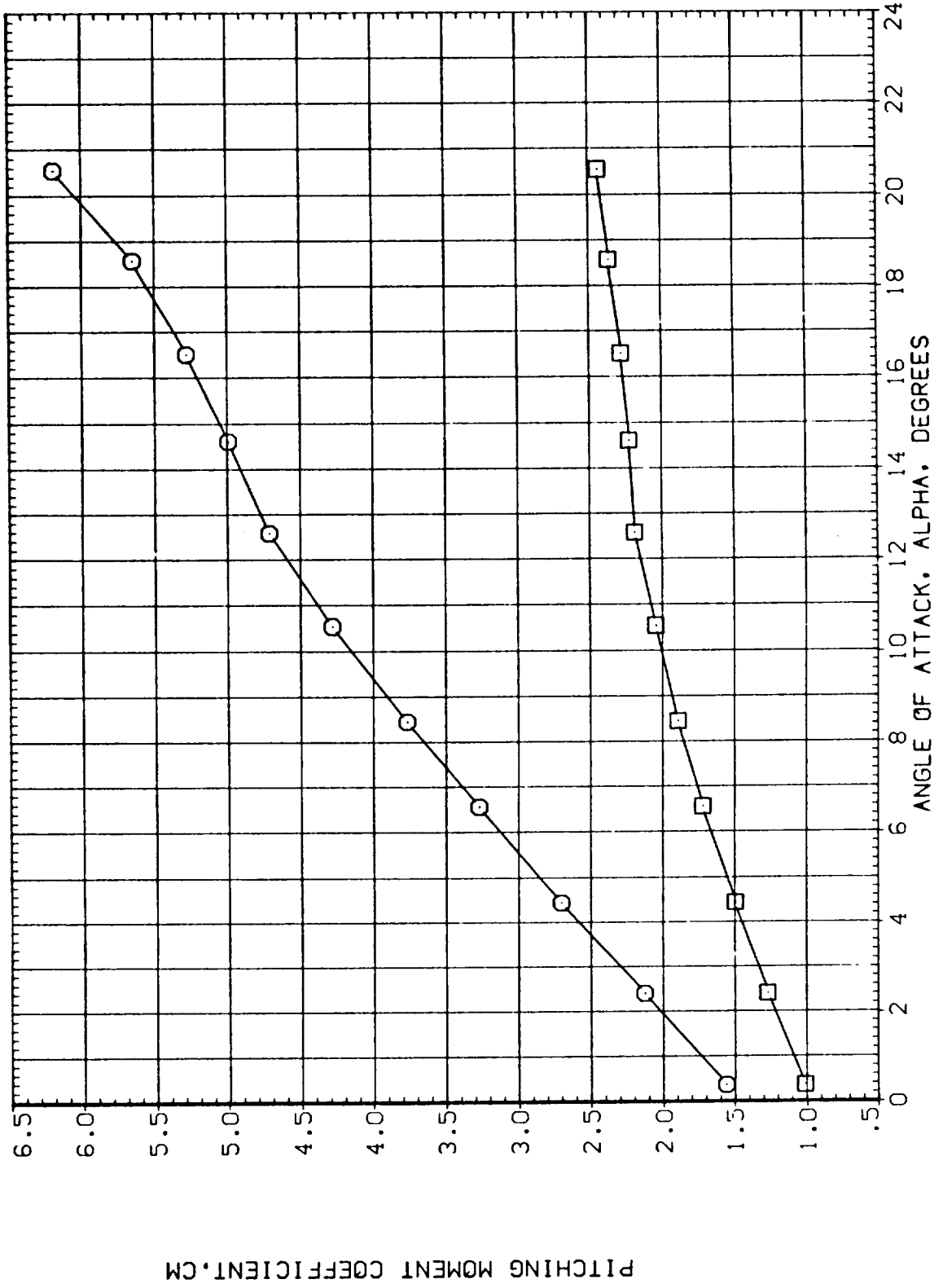


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA MACH PARAMETRIC VALUES  
CM 1.762 BETA .000  
CMB D1 .000 D3 .000  
D2 10.000 D4 10.000  
D1-3 .000 D2-4 10.000  
PHI-C .000

SYMBOL  
○  
□

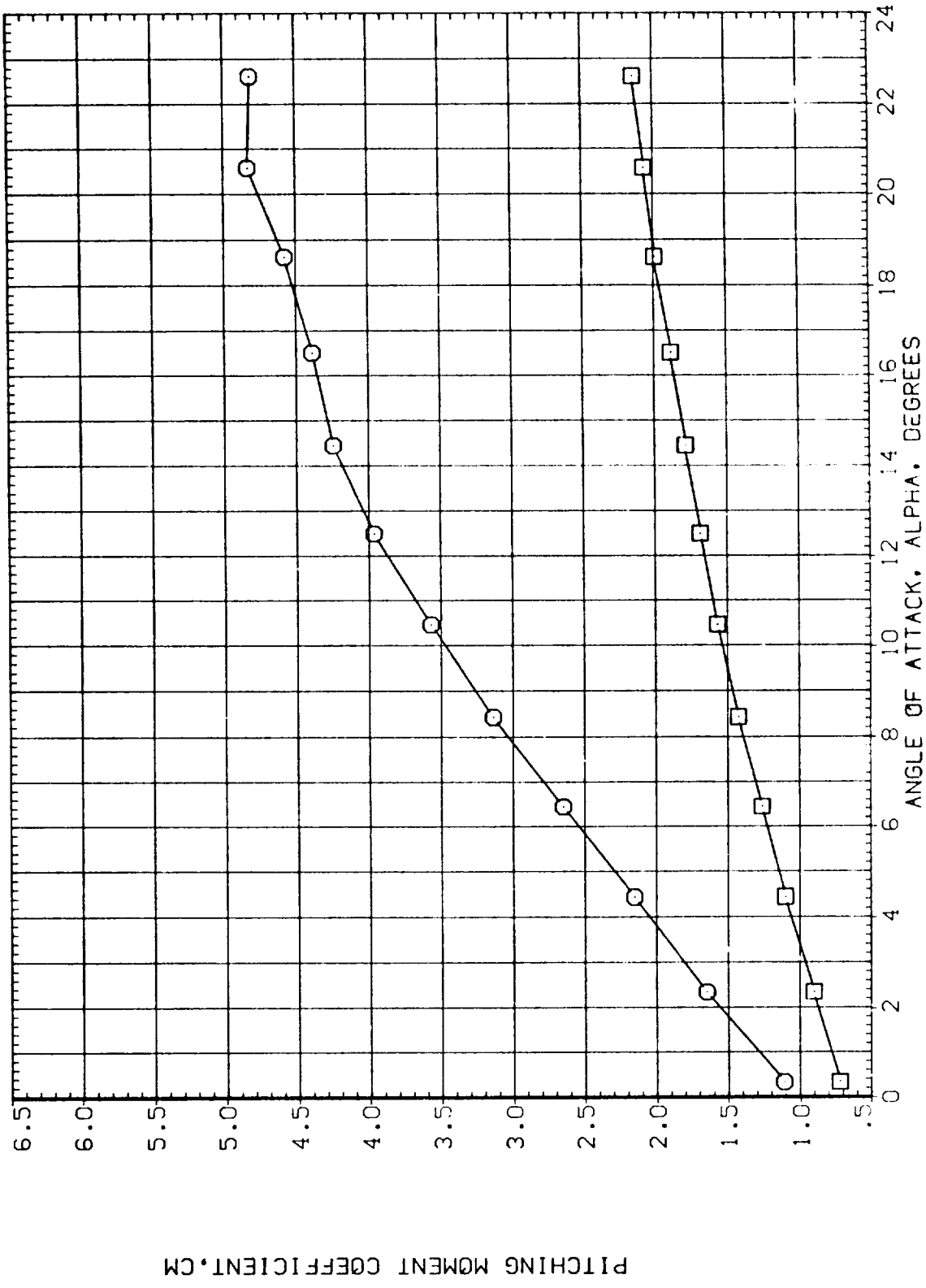


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(0E2204)

CONFIGURATION 11 (BN3C6)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
O	CA	D1	.805 BETA .000
		D2	.000 D3 .000
		D1-3	10.000 D4 10.000
		PHI-C	.000 D2-4 10.000

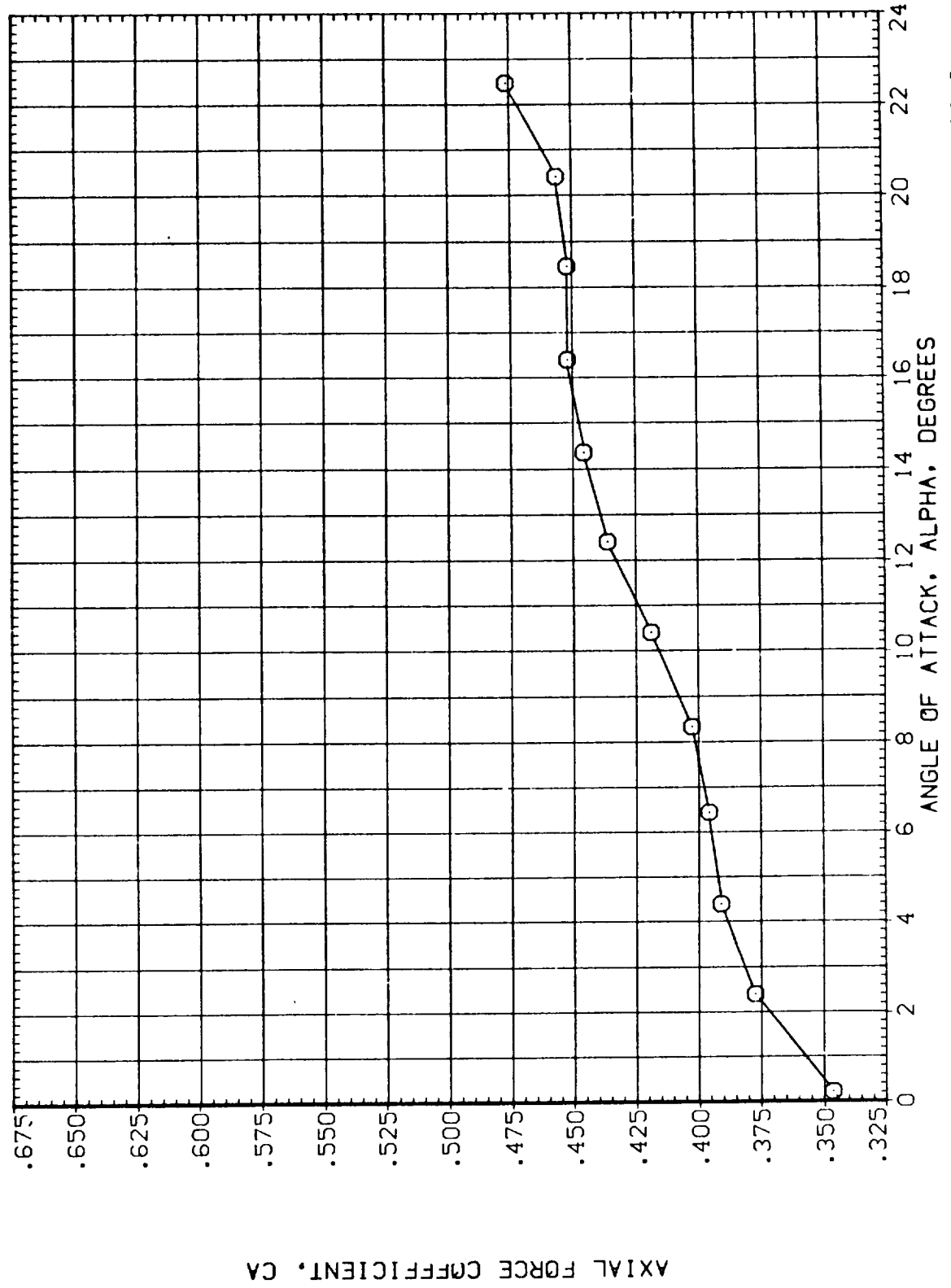


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 11 (BN3C6)

SYMBOL	DATA	MACH	PARAMETRIC VALUES			
O	CA		1.312	BETA	.000	
		D1	.000	D3	.000	
		D2	10.000	D4	10.000	
		D1-3	.000	D2-4	10.000	
		PHI-C	.000			

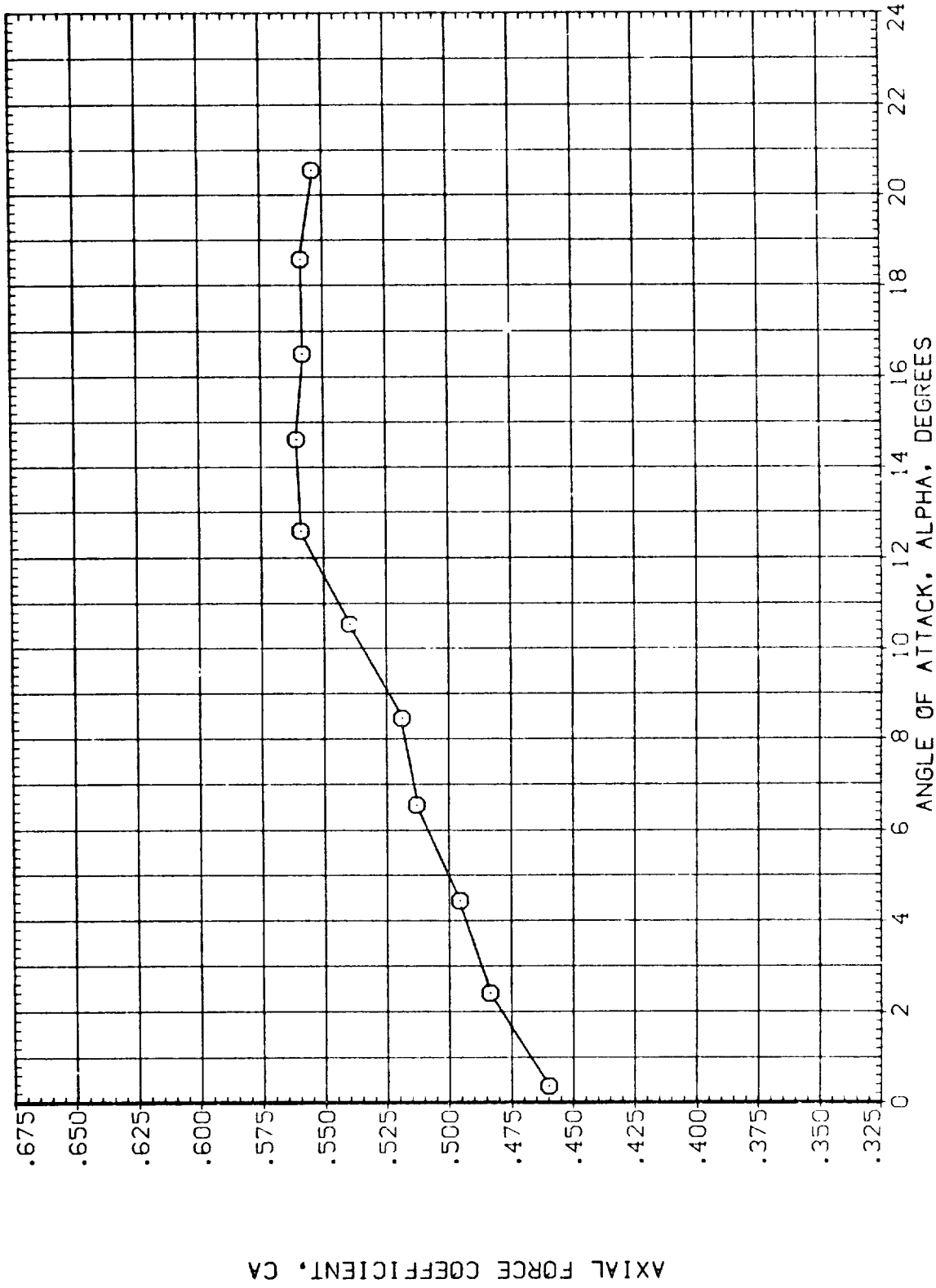


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 11 (BN3C6)

(0EZ204)

SYMBOL	DATA	MACH	PARAMETRIC VALUES			
O	CA	D1	1.762	BETA	.000	
		D2	.000	D3	.000	
		PHI-C	10.000	D4	10.000	
			.000	D2-4	10.000	
			.000			

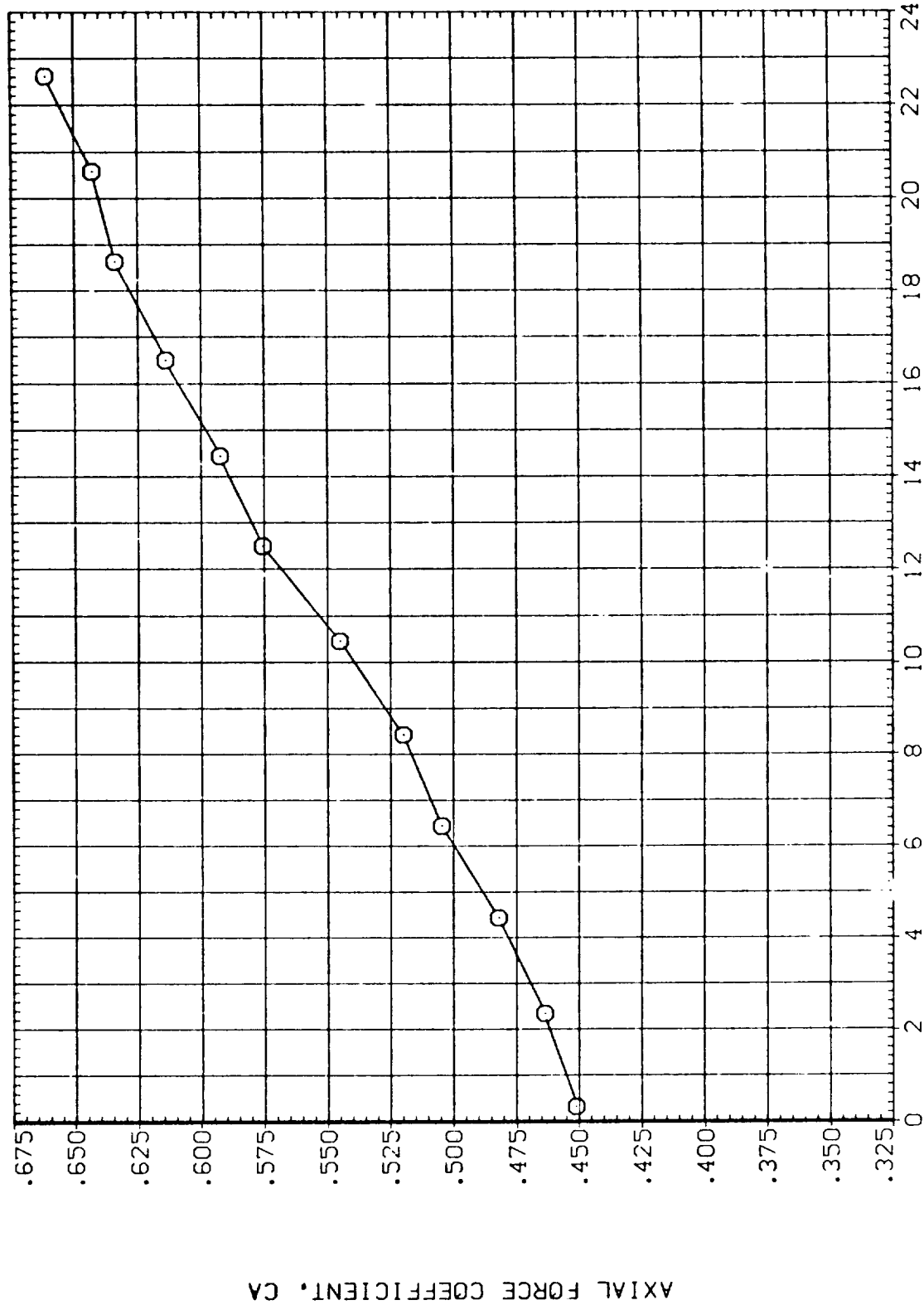


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 11 (BN3C6)

SYMBOL		DATA		PARAMETRIC VALUES			
○	CY	MACH	.805	BETA	.000		
□	CYB	D1	.000	D3	.000		
		D2	10.000	D4	10.000		
		D1-3	.003	D2-4	10.000		
		PHI-C	.000				

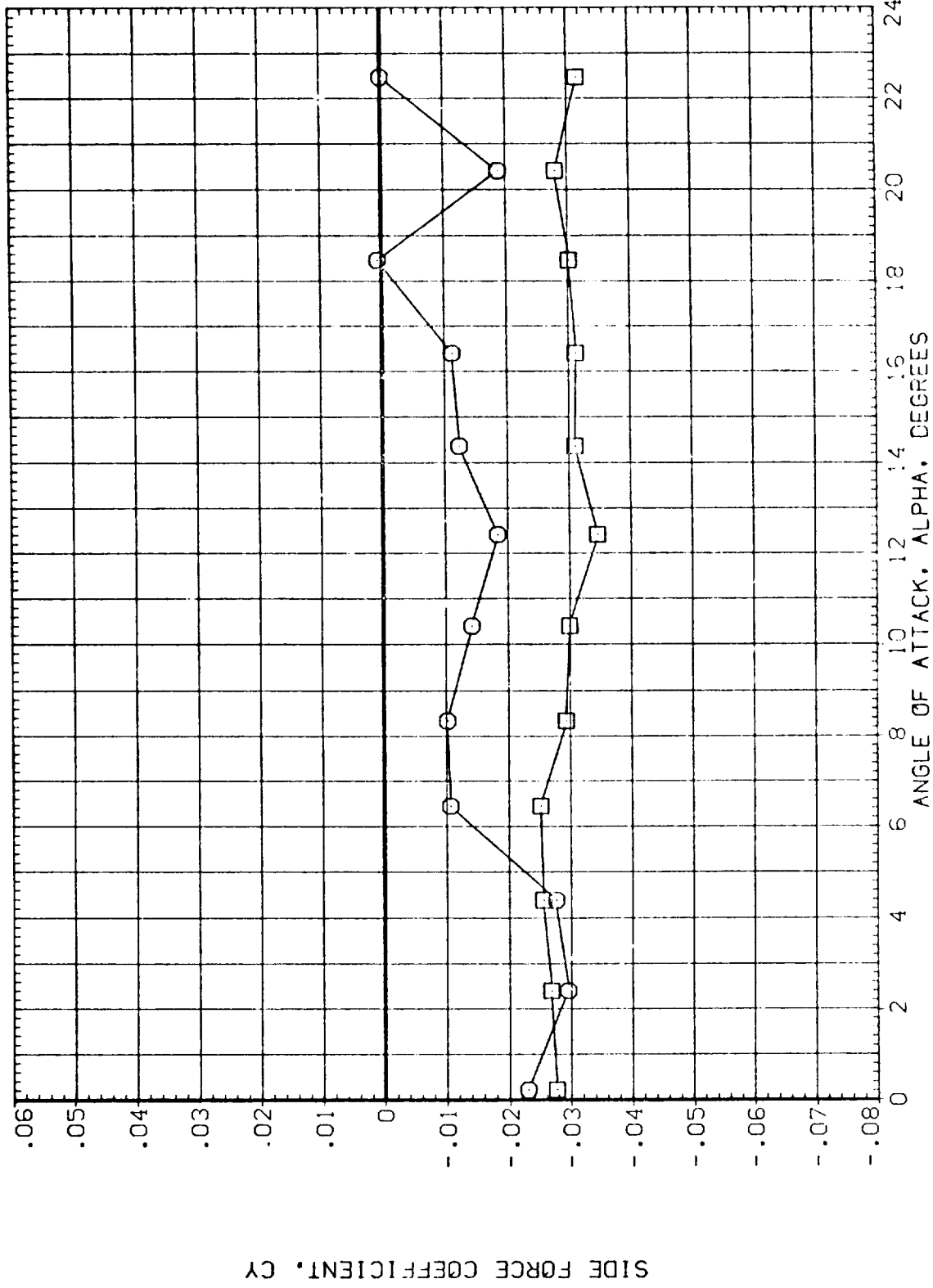


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ204)

CONFIGURATION 11 (BN3C6)

SYMBOL	DATA	MACH	PARAMETRIC VALUES			
○	CY	D1	1.312	BETA	.000	
□	CYB	D2	.000	D3	.000	
		D1-3	10.000	D4	10.000	
		PHI-C	.000	D2-4	10.000	

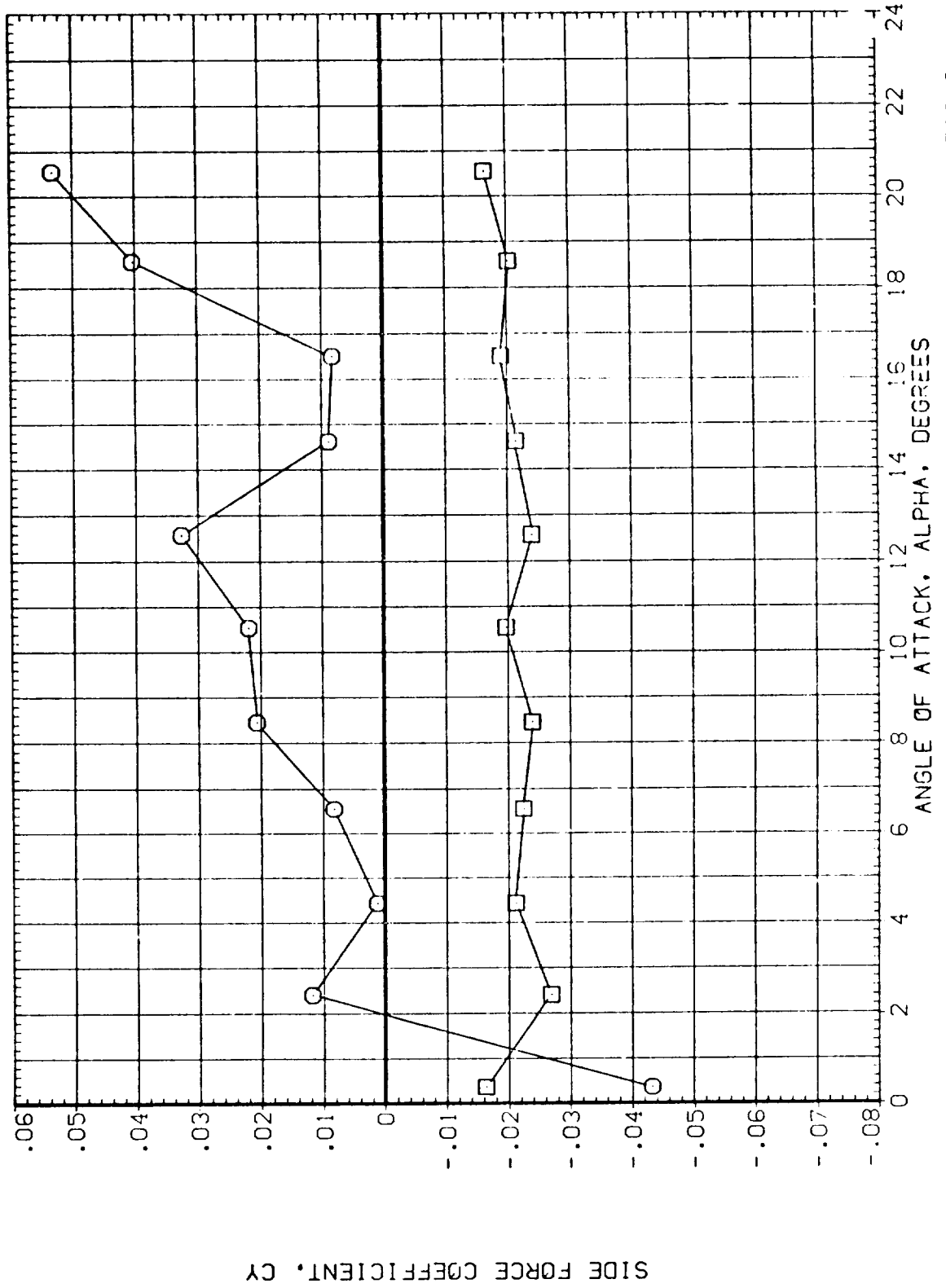


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CY	D1	BETA .000
□	CYB	CC	D3 .000
		D1-3	D4 10.000
		PHI-C	D2-4 10.000

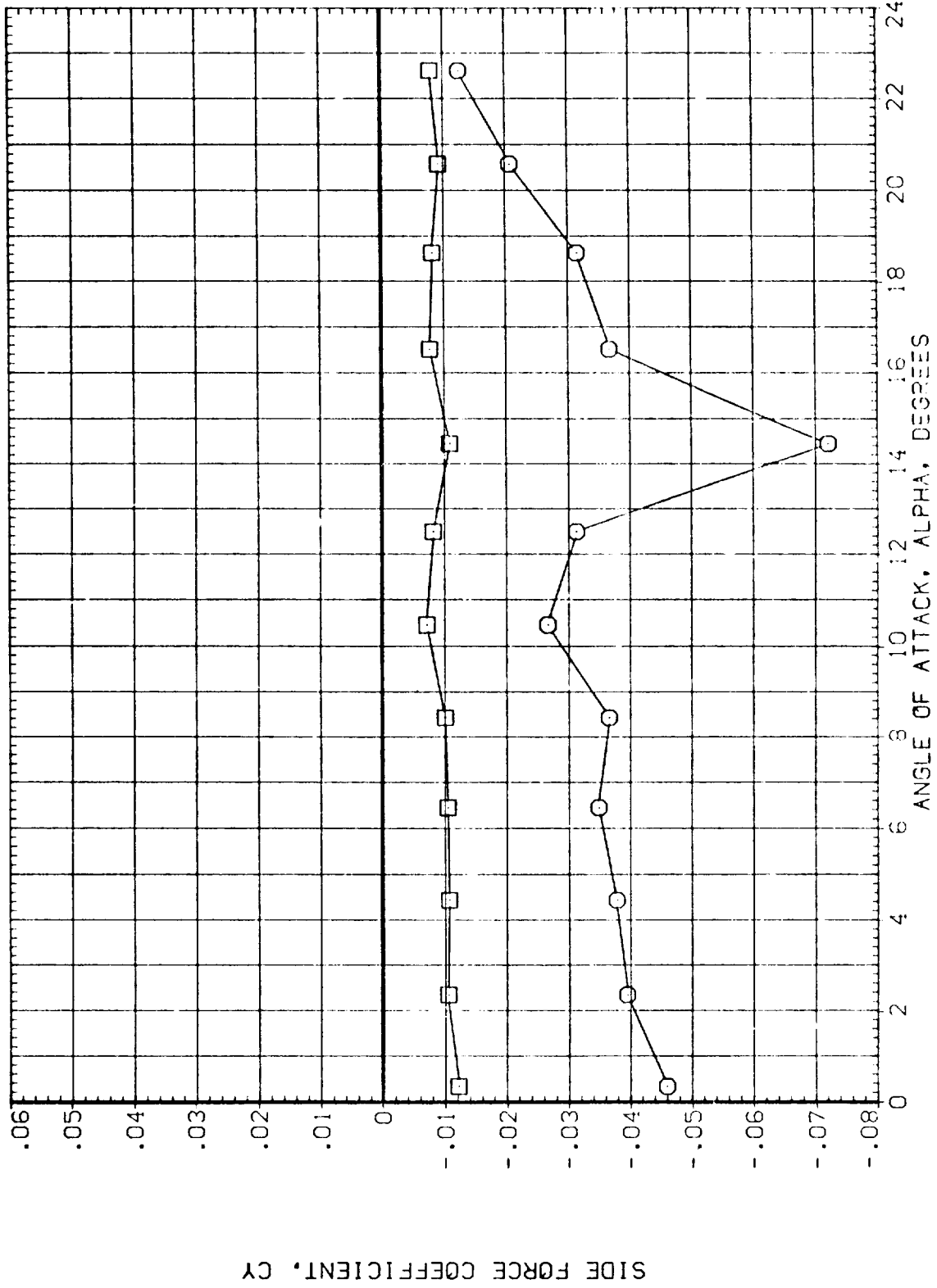


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS



(CEZ204)

CONFIGURATION 11 (BN3C6)

SYMBOL	DATA	MACH	PARAMETRIC VALUES			
○	CYM	D1	.805	BETA	.000	.000
□	CYB	D2	.000	D3	.000	.000
		D1-3	10.000	D4	10.000	10.000
		PHI-C	.000	D2-4	10.000	10.000

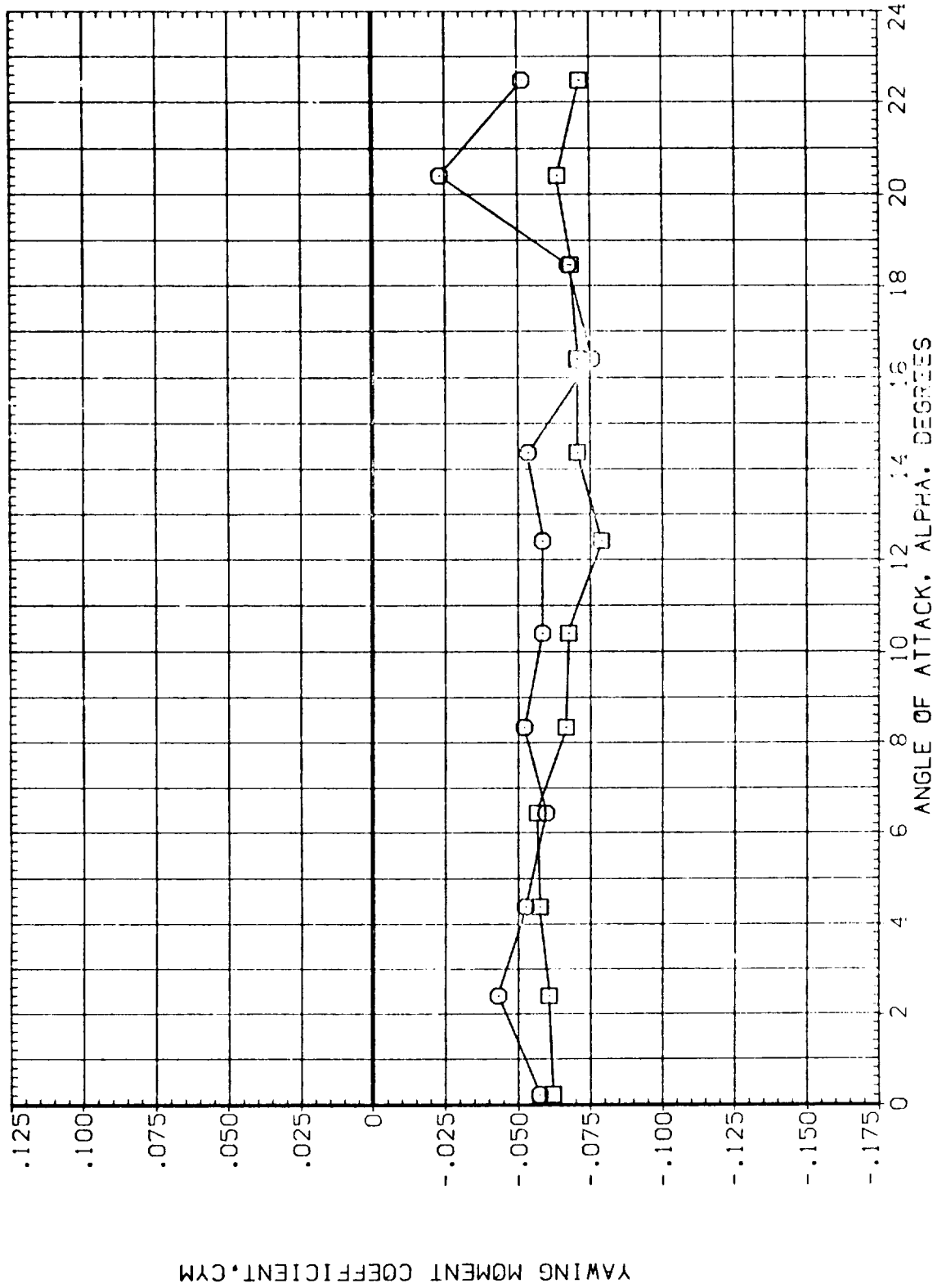


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL DATA  
O MACH 1.312  
□ CYM .000  
CYMB D1 .000 BETA .000  
D2 10.000 D3 .000  
D1-3 .000 D4 10.000  
D1-4 .000 D2-4 10.000  
PHI-C .000

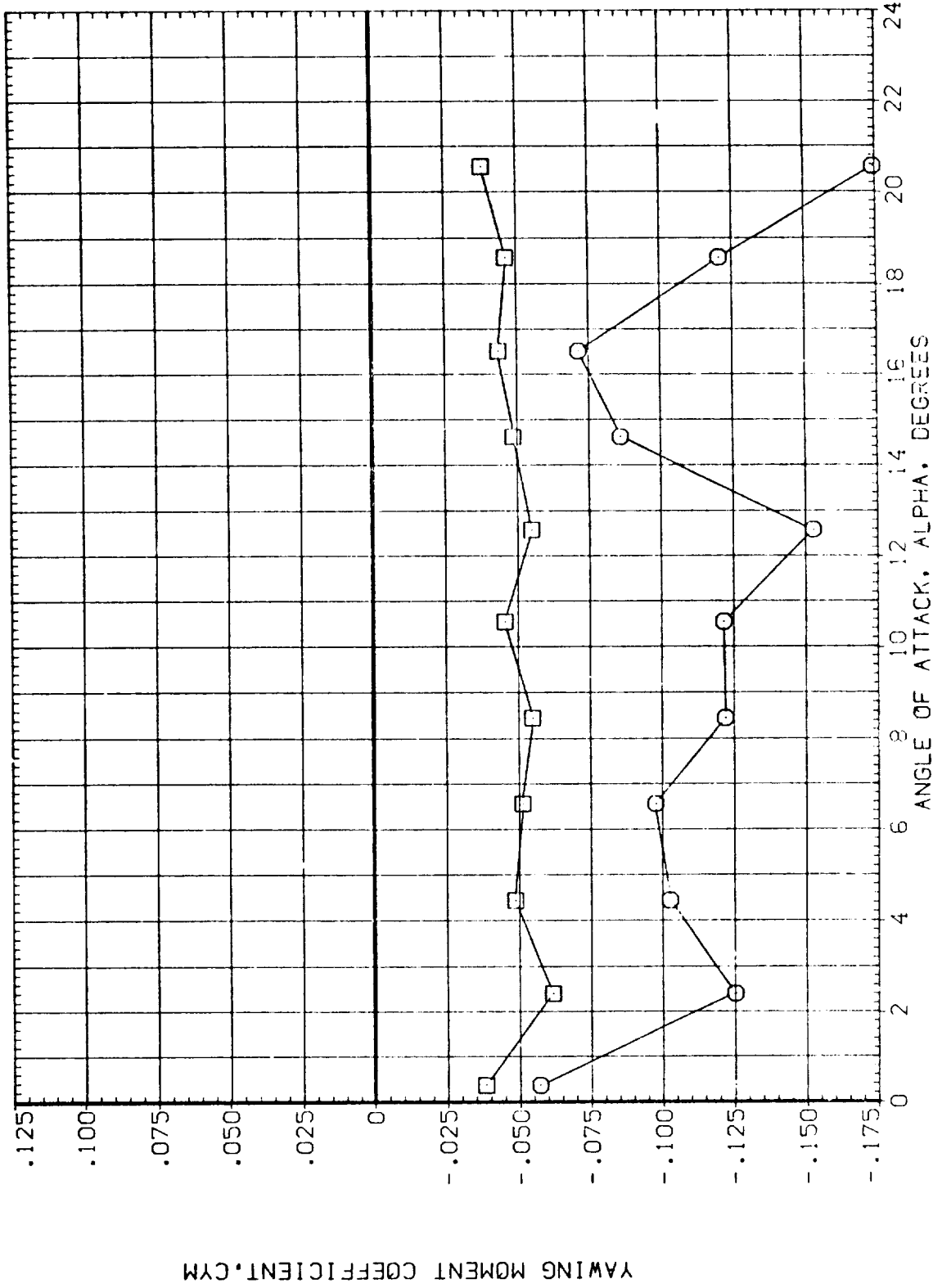


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ204)

CONFIGURATION 11 (5N3C6)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CYM	1.762	BETA .000
□	CYB	D1 .000	D3 .000
		D2 10.000	D4 10.000
		D1-3 .000	D2-4 10.000
		PHI-C .000	

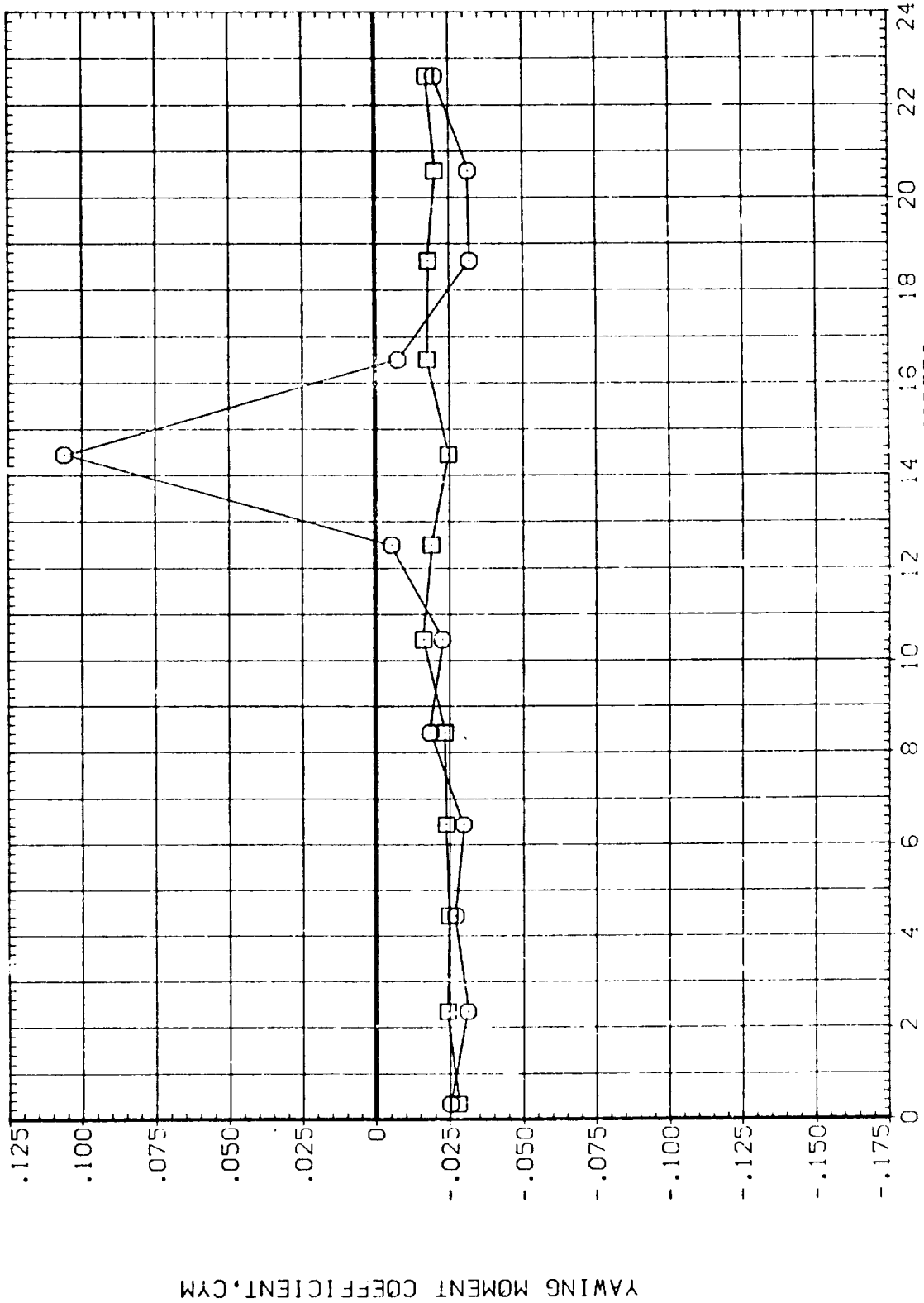


FIG. 7 BODY-CANARD CHARACTERISTICS. MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL		DATA	PARAMETRIC VALUES			
○	CRH	MACH	.805	BETA	.000	
□	CRMB	D1	.000	D3	.000	
		D2	10.000	D4	10.000	
		D1-3	.000	D2-4	10.000	
		PHI-C	.000			

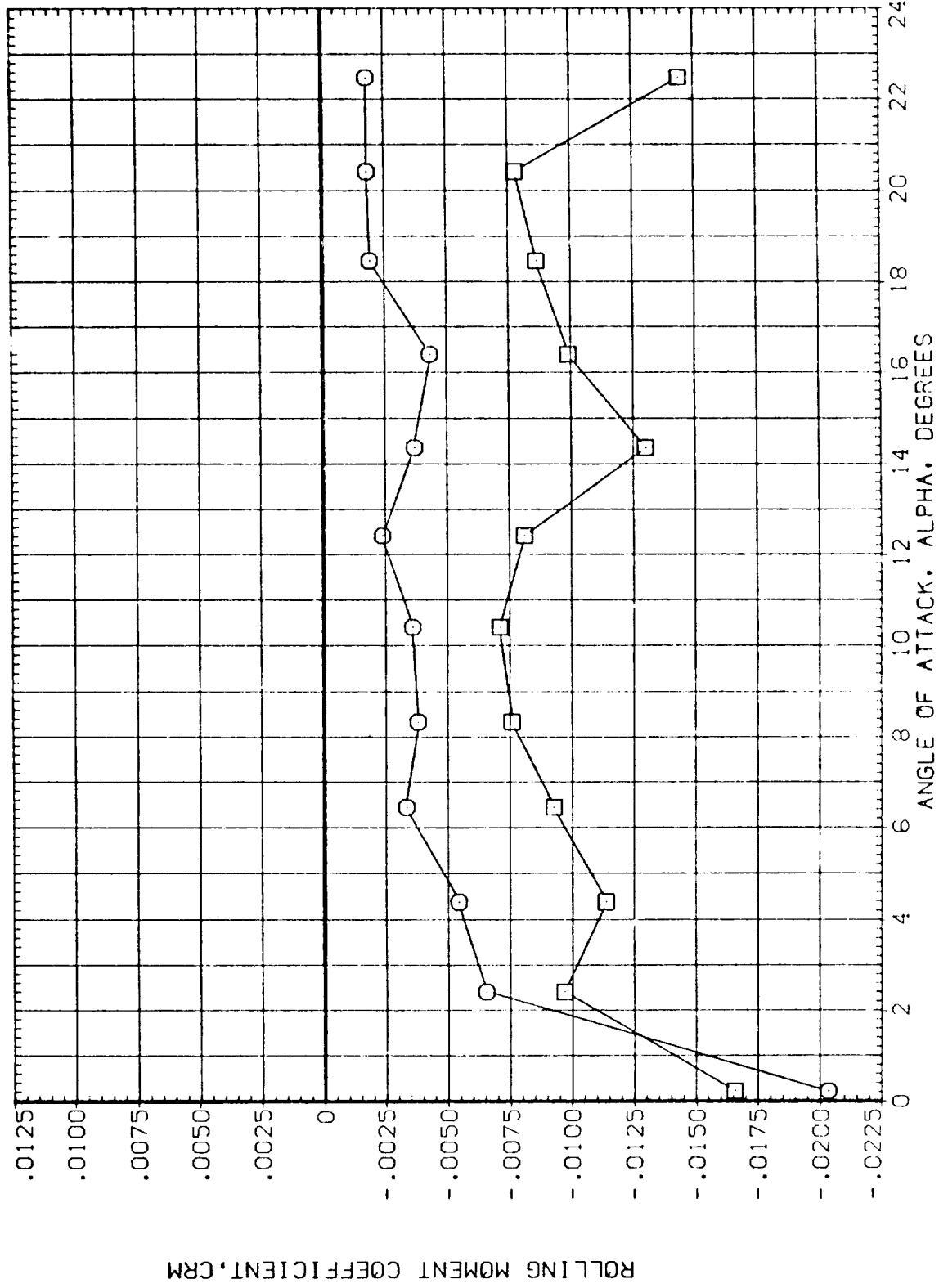


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 11 (BN3C6)

(CEZ204)

SYMBOL		DATA		PARAMETRIC VALUES			
○	CRM	MACH	1.312	BETA	.000		
□	CRMB	D1	.000	D3	.000		
		D2	10.000	D4	10.000		
		PHI-C	.000	D2-4	10.000		
			.000				

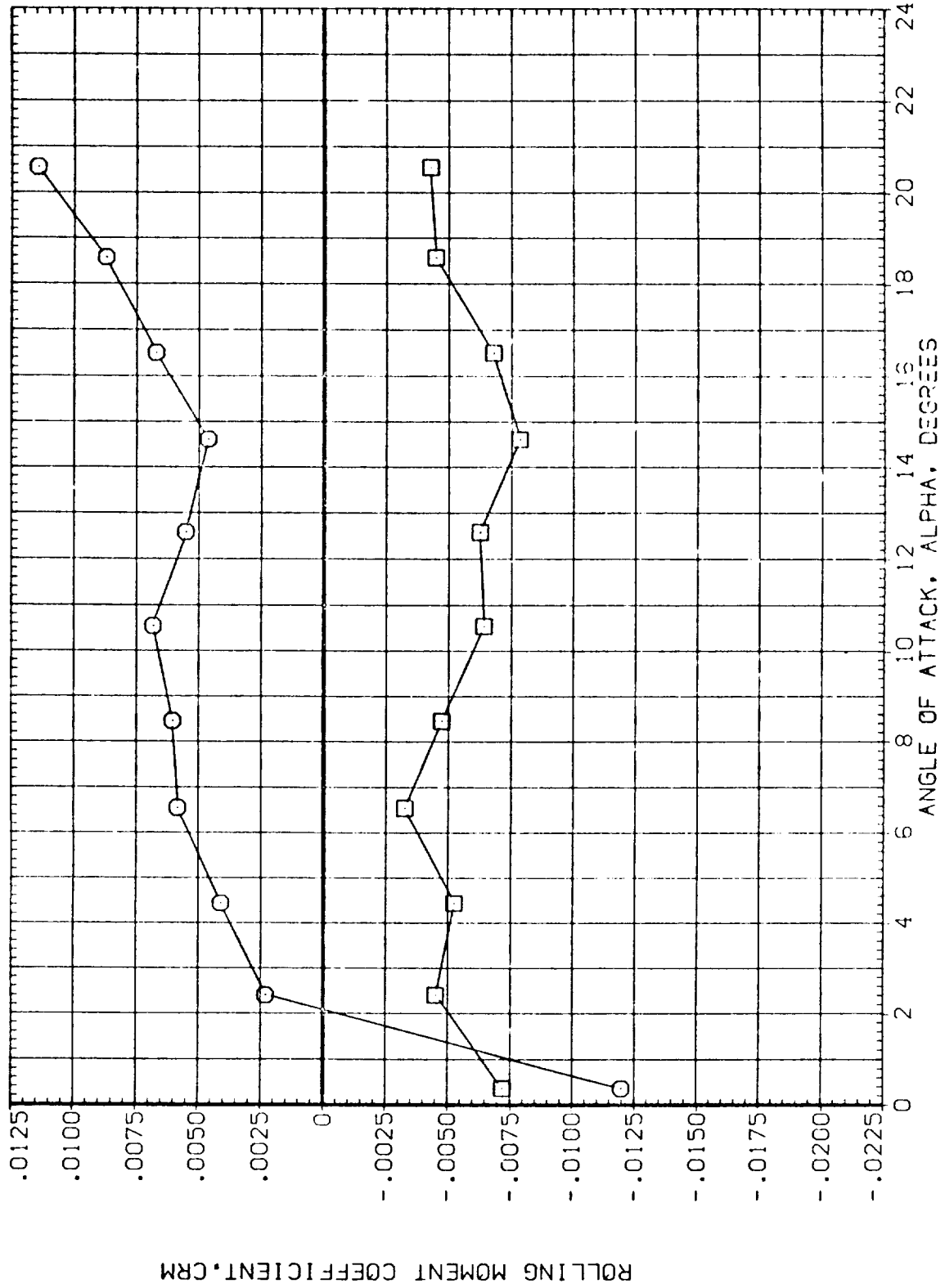


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL	DATA	MACH	PARAMETRIC VALUES		
○	CRM	D1	1.762	BETA	.000
□	CRMB	D2	.000	D3	.000
		D1-3	10.000	D4	10.000
		PHI-C	.000	D2-4	10.000
			.000		

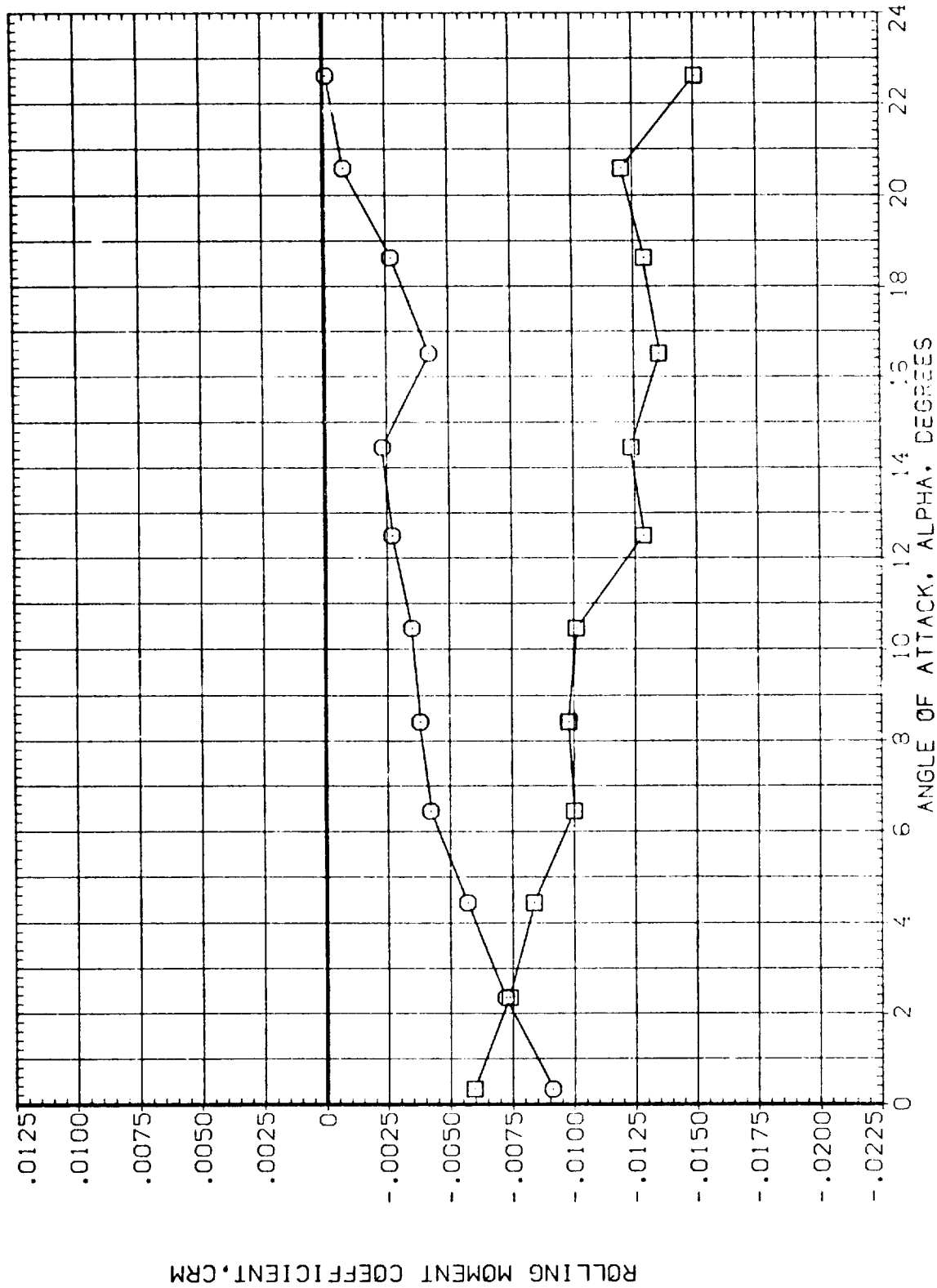


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ203)

CONFIGURATION 11 (BN3C6)

SYMBOL		DATA		PARAMETRIC VALUES			
○	CN	MACH	.802	BETA	.000		
□	CNB	D1	.000	D3	.000		
		D2	15.000	D4	15.000		
		D1-3	.000	D2-4	15.000		
		PHI-C	.000				

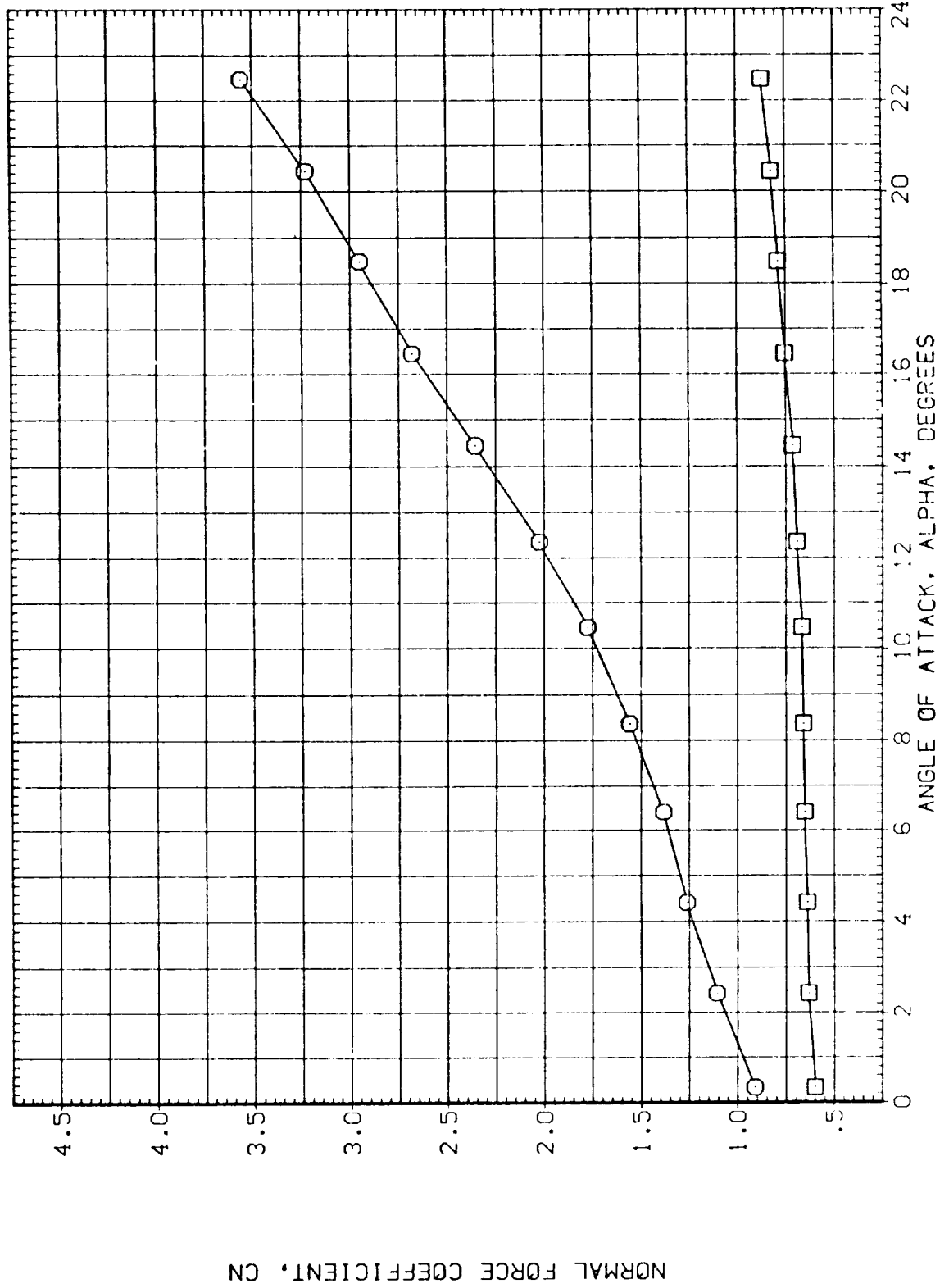


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 11 (BN3C6)

SYMBOL		DATA		PARAMETRIC VALUES			
○	CN	MACH	1.310	BETA	.000		
□	CNB	D1	.000	D3	.000		
		D2	15.000	D4	15.000		
		PHI-3	.000	D2-4	15.000		
		PHI-C	.000				

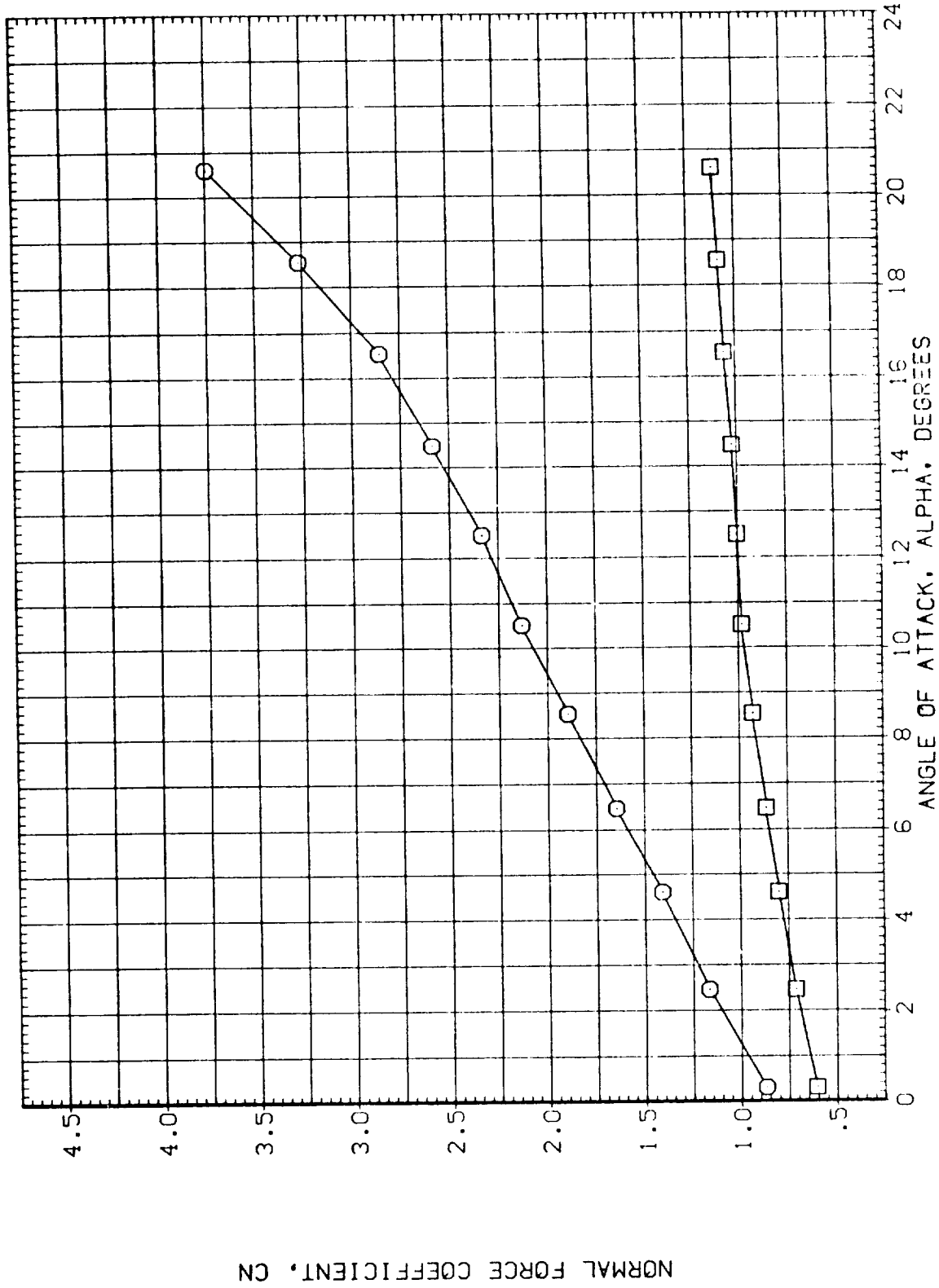


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS



(CEZ203)

CONFIGURATION 11 (BN3C6)

SYMBOL	DATA	PARAMETRIC VALUES
○	CN	1.762
□	CNB	.000
	MACH	.000
	D1	.000
	D2	15.000
	D1-3	.000
	PHI-C	.000
	BETA	.000
	D3	.000
	D4	15.000
	D2-4	15.000

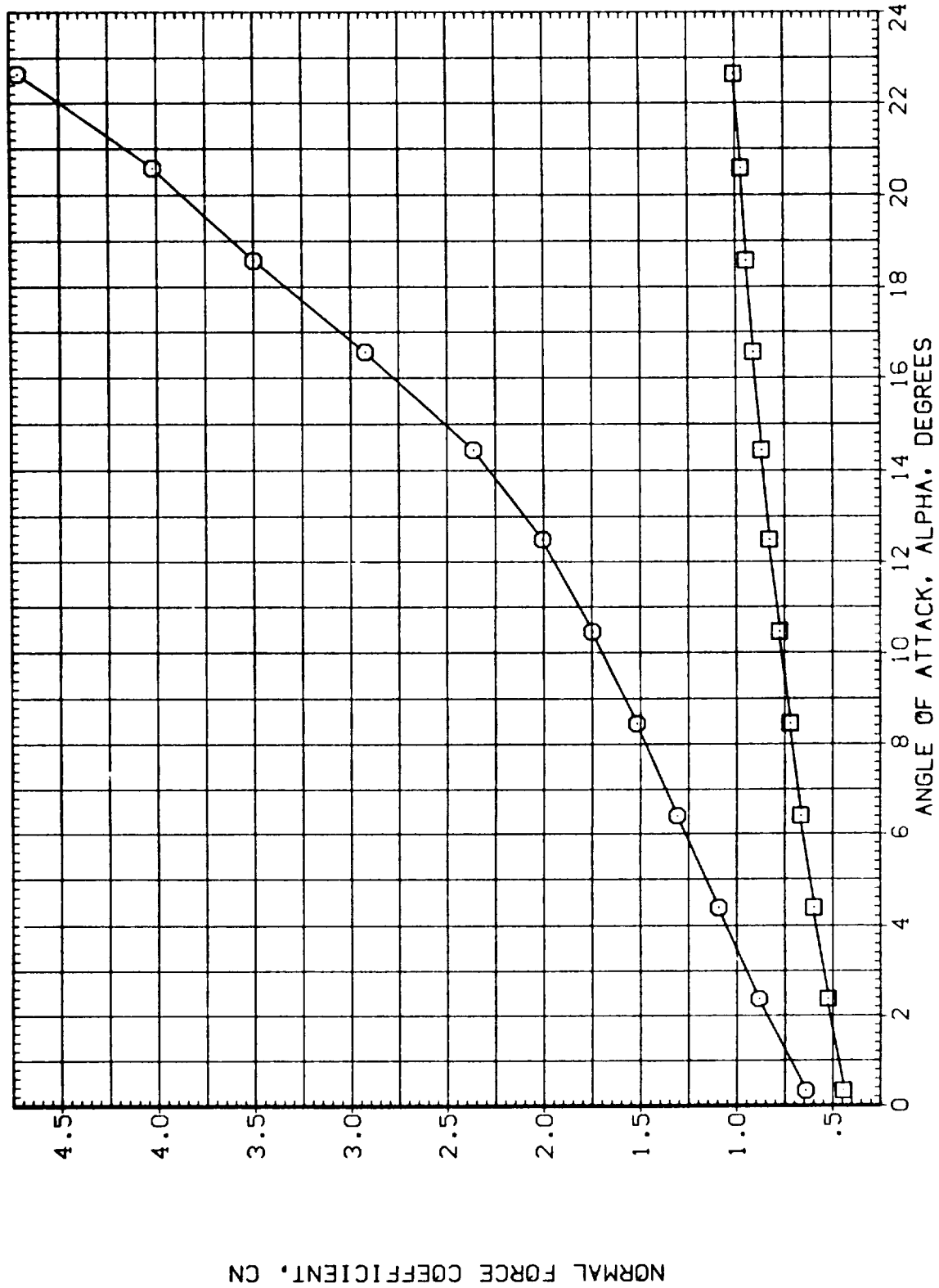


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ203)

CONFIGURATION 11 (BN3C6)

DATA	PARAMETRIC VALUES
CM	.802
BETA	.000
D1	.000
D3	.000
D2	15.000
D4	15.000
D1-3	.000
D2-4	15.000
PHI-C	.000

SYMBOL  
○  
□

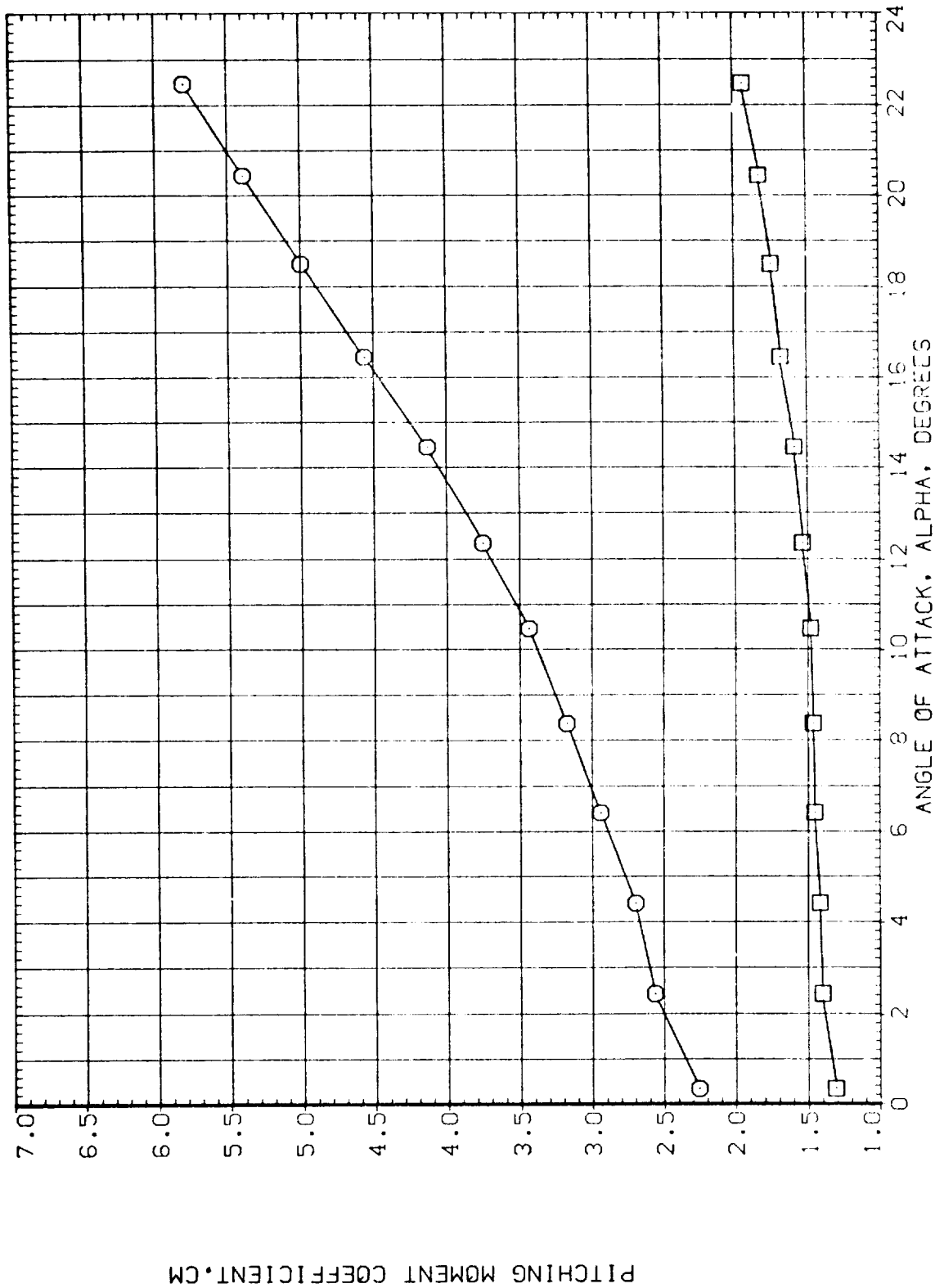


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ203)

CONFIGURATION 11 (BN3C6)

SYMBOL	DATA	PARAMETRIC VALUES
○	CH	MACH 1.310 BETA .000
□	CMB	D1 .000 D3 .000
		D2 15.000 D4 15.000
		D1-3 .000 D2-4 15.000
		PHI-C .000

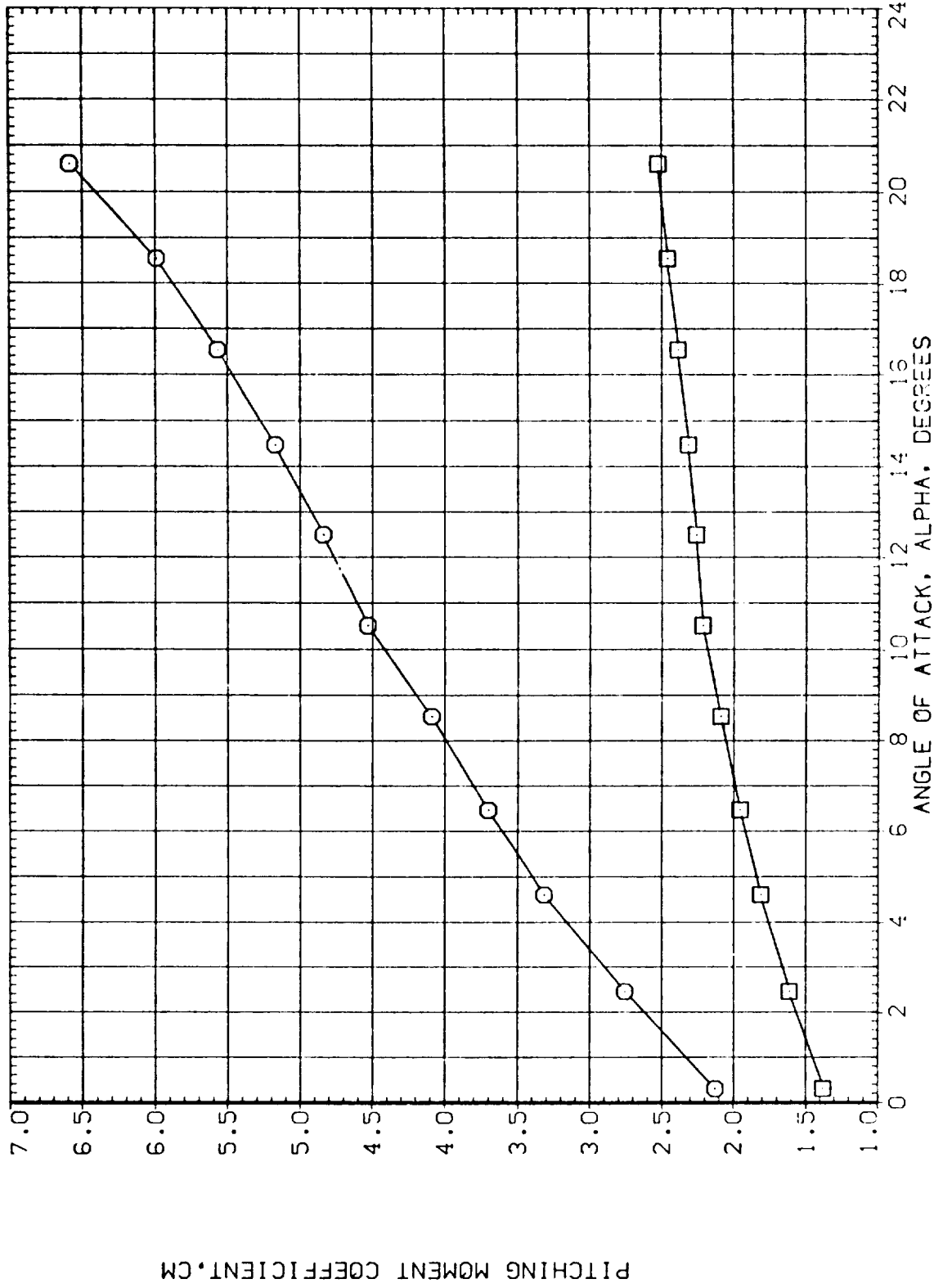


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 11 (BN3C6)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
CM		D1	1.762 BETA .000
CHB		D2	.000 D3 .000
		D1-3	15.000 D4 15.000
		PHI-C	.000 D2-4 15.000

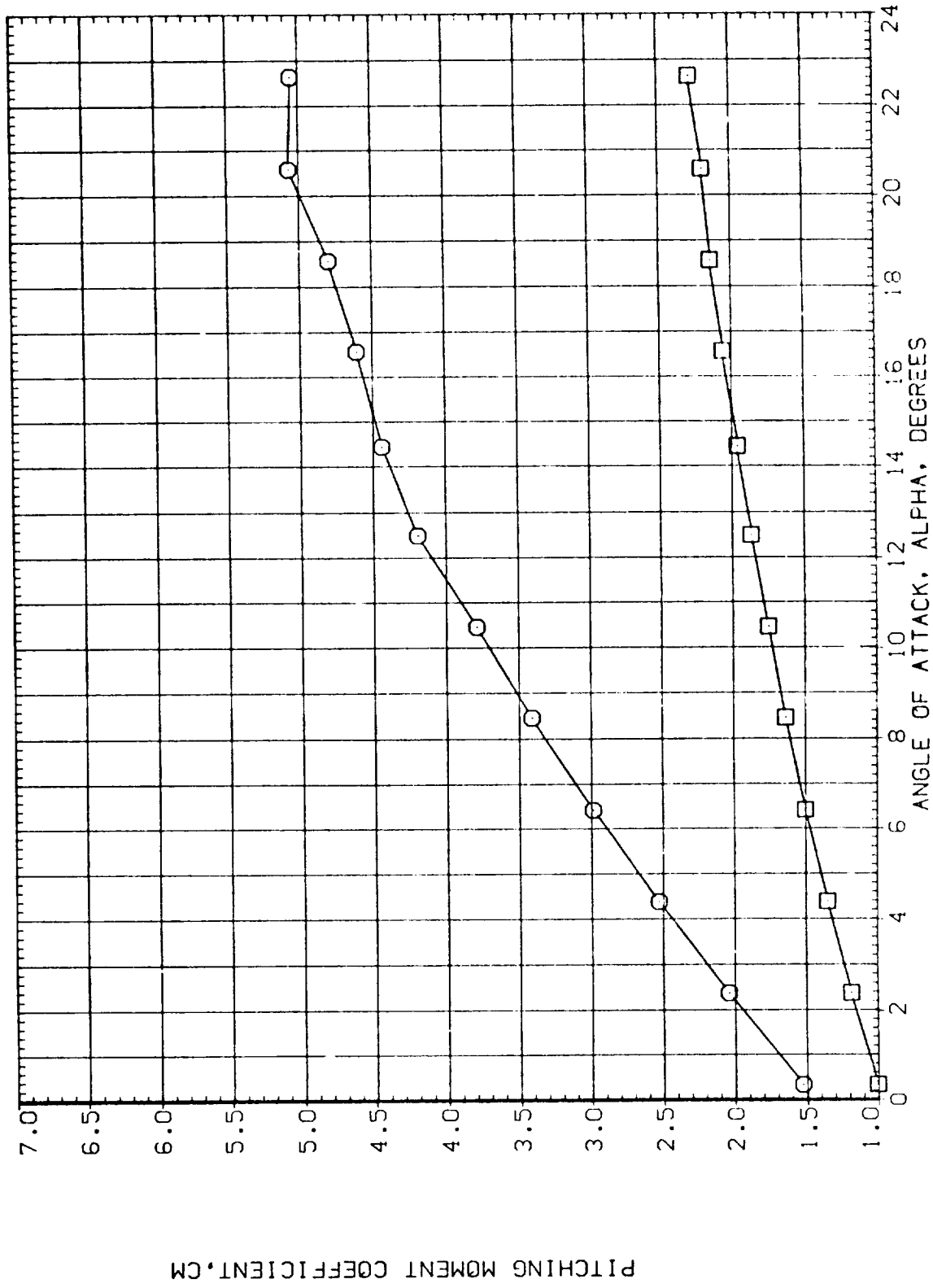


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(0EZ203)

CONFIGURATION 11 (BN3C6)

SYMBOL	DATA	PARAMETRIC VALUES			
		MACH	BETA		
	CA	.802	.000		.000
		D1	.000	D3	.000
		D2	15.000	D4	15.000
		D1-3	.000	D2-4	15.000
		PHI-C	.000		

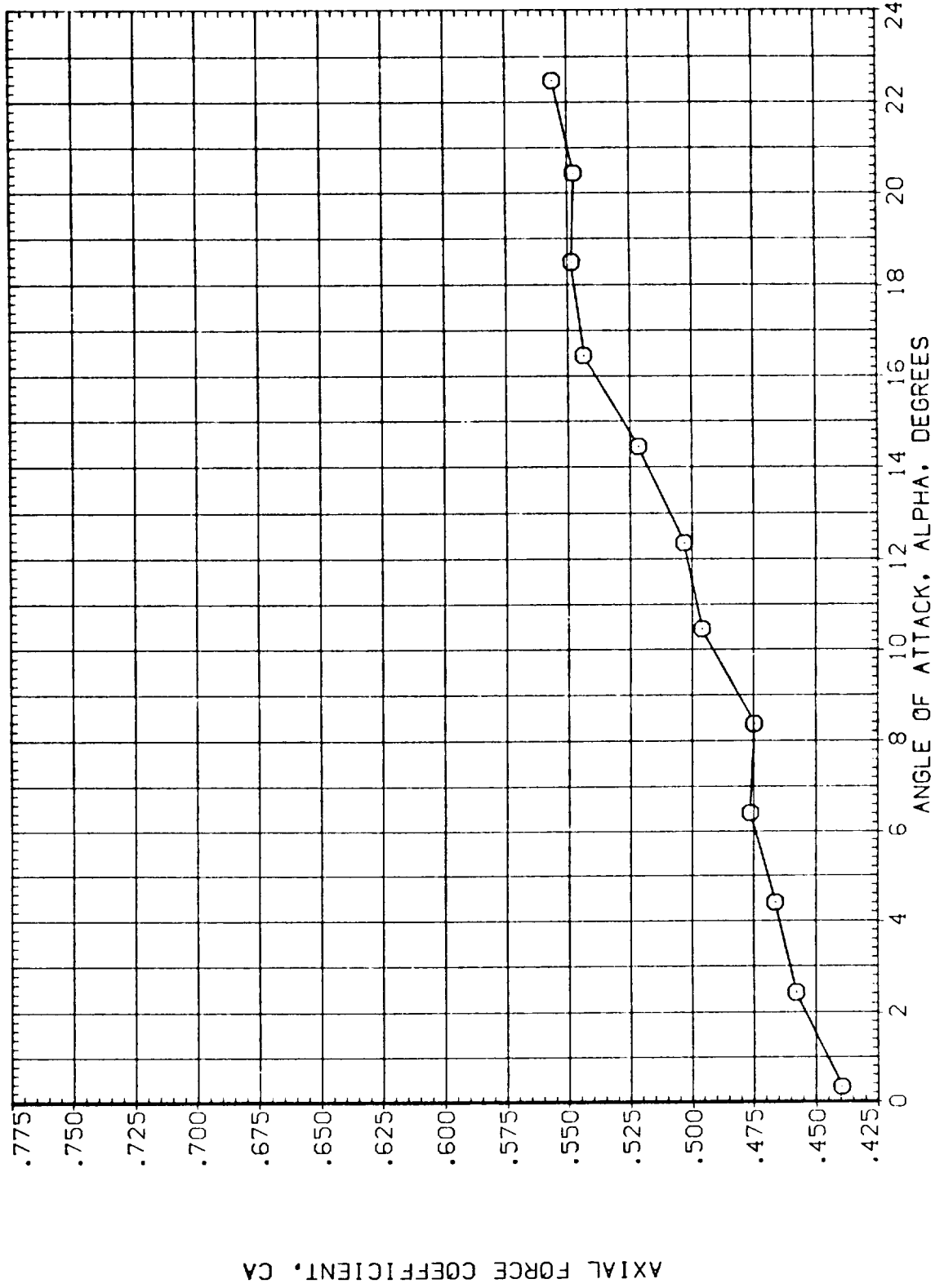


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL	DATA	MACH	PARAMETRIC VALUES
O	CA	01	BETA .000
		02	D3 .000
		01-3	D4 15.000
		PHI-C	D2-4 15.000
			.000

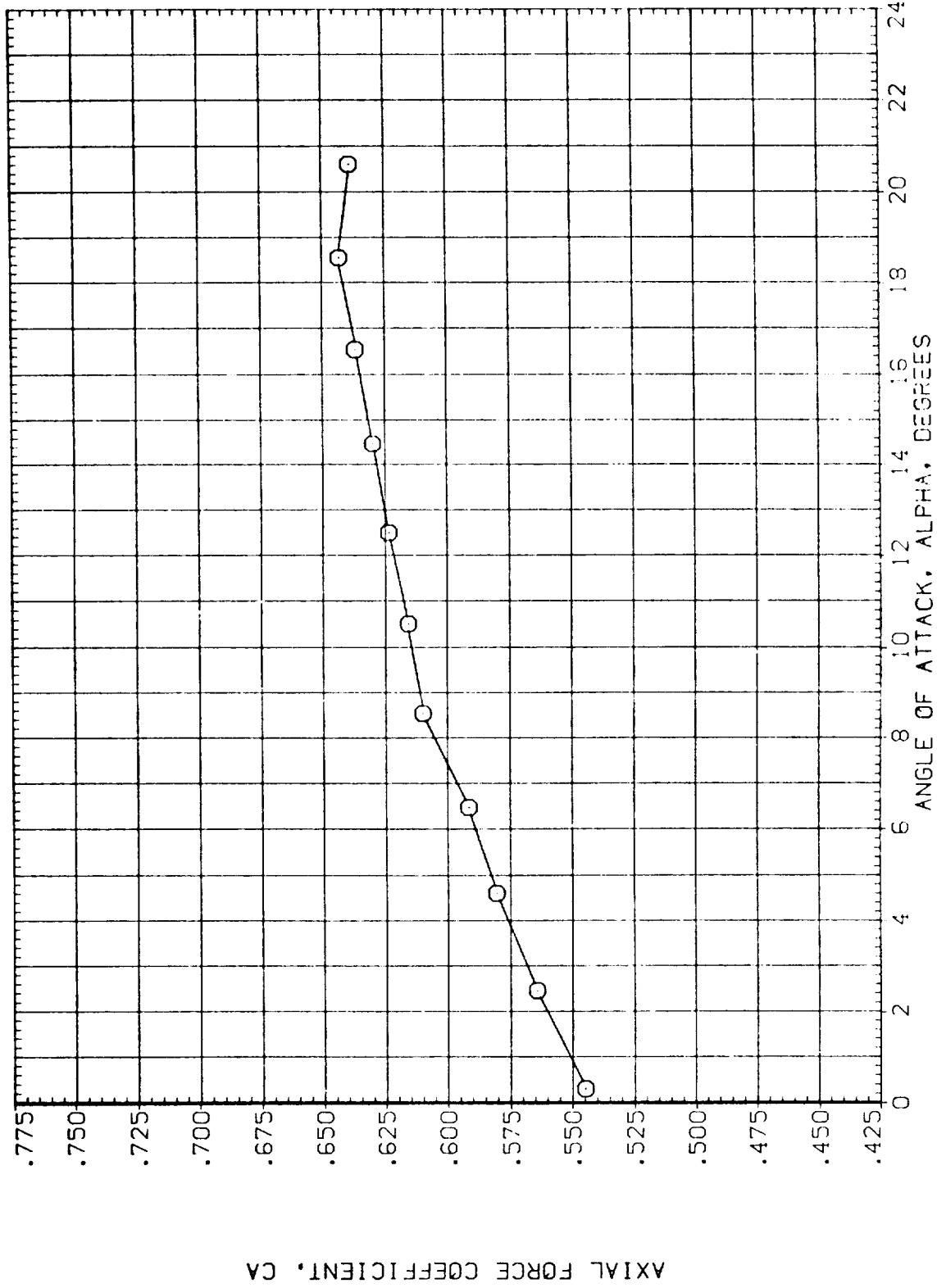


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(0EZ203)

CONFIGURATION 11 (BN3C6)

SYMBOL		DATA		PARAMETRIC VALUES			
O	CA	MACH	1.762	BETA	.000		
		D1	.000	D3	.000		
		D2	15.000	D4	15.000		
		D1-3	.000	D2-4	15.000		
		PHI-C	.000				

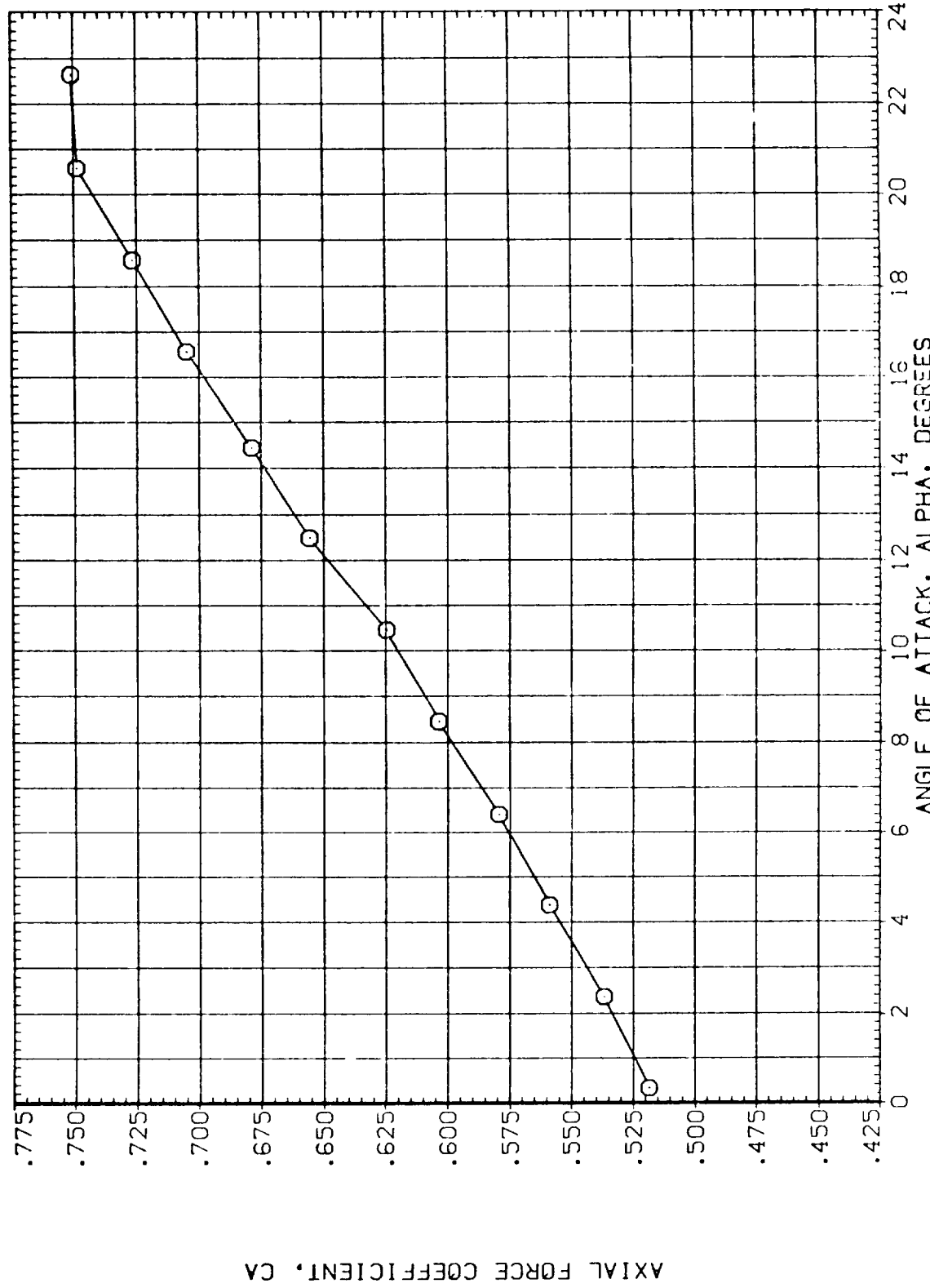


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CY	.802	BETA .000
□	CYB	.000	D3 .000
		15.000	D4 15.000
		.000	D2-4 15.000
		.000	PHI-C .000

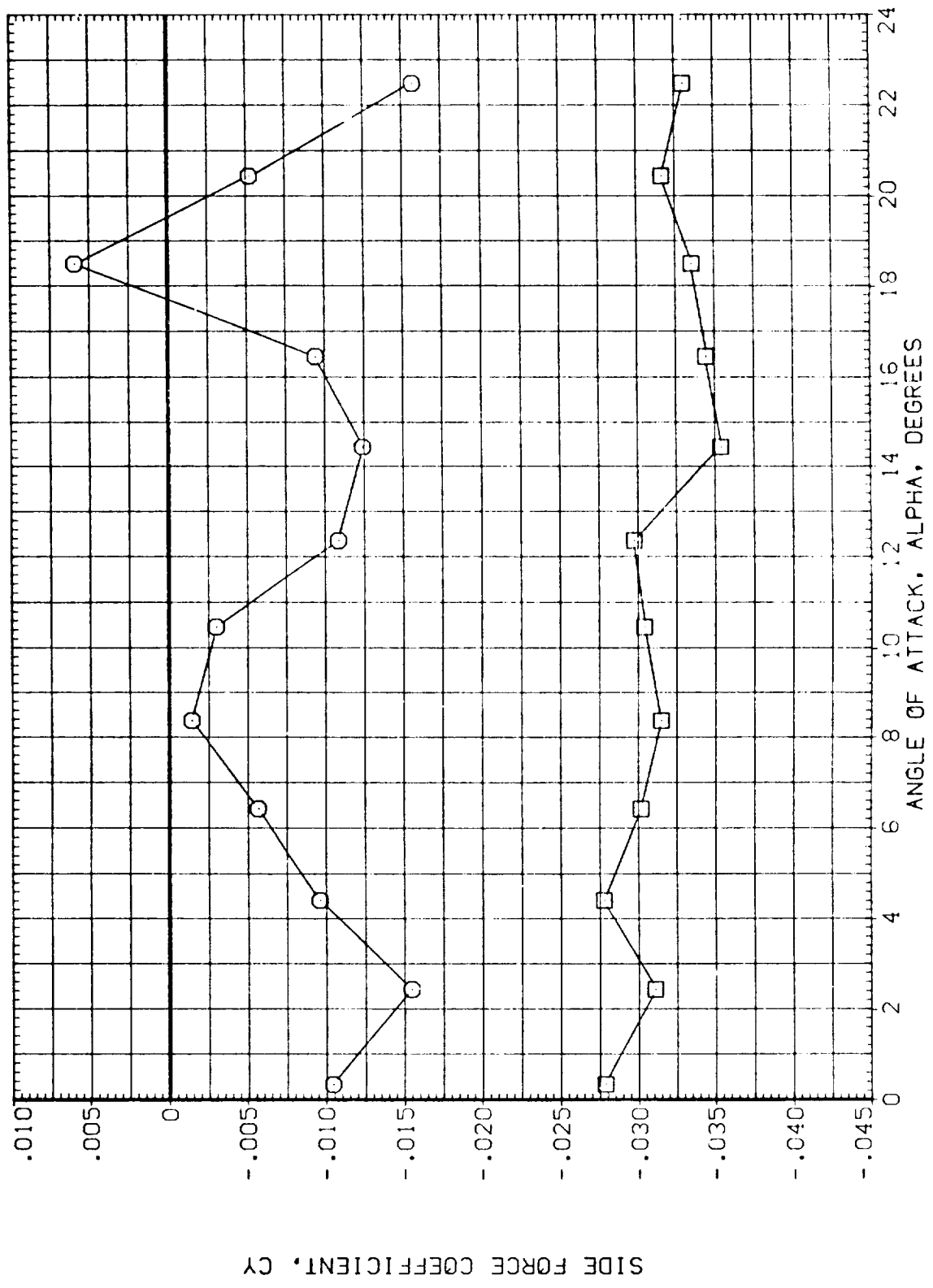


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS



(CEZ203)

CONFIGURATION 1 (BN3CS)

SYMBOL		DATA		PARAMETRIC VALUES			
○	CY	MACH	1.31C	BETA	.000		
□	CYB	D1	.000	D3	.000		
		D2	15.000	D4	15.000		
		D1-3	.000	D2-4	15.000		
		PHI-C	.000				

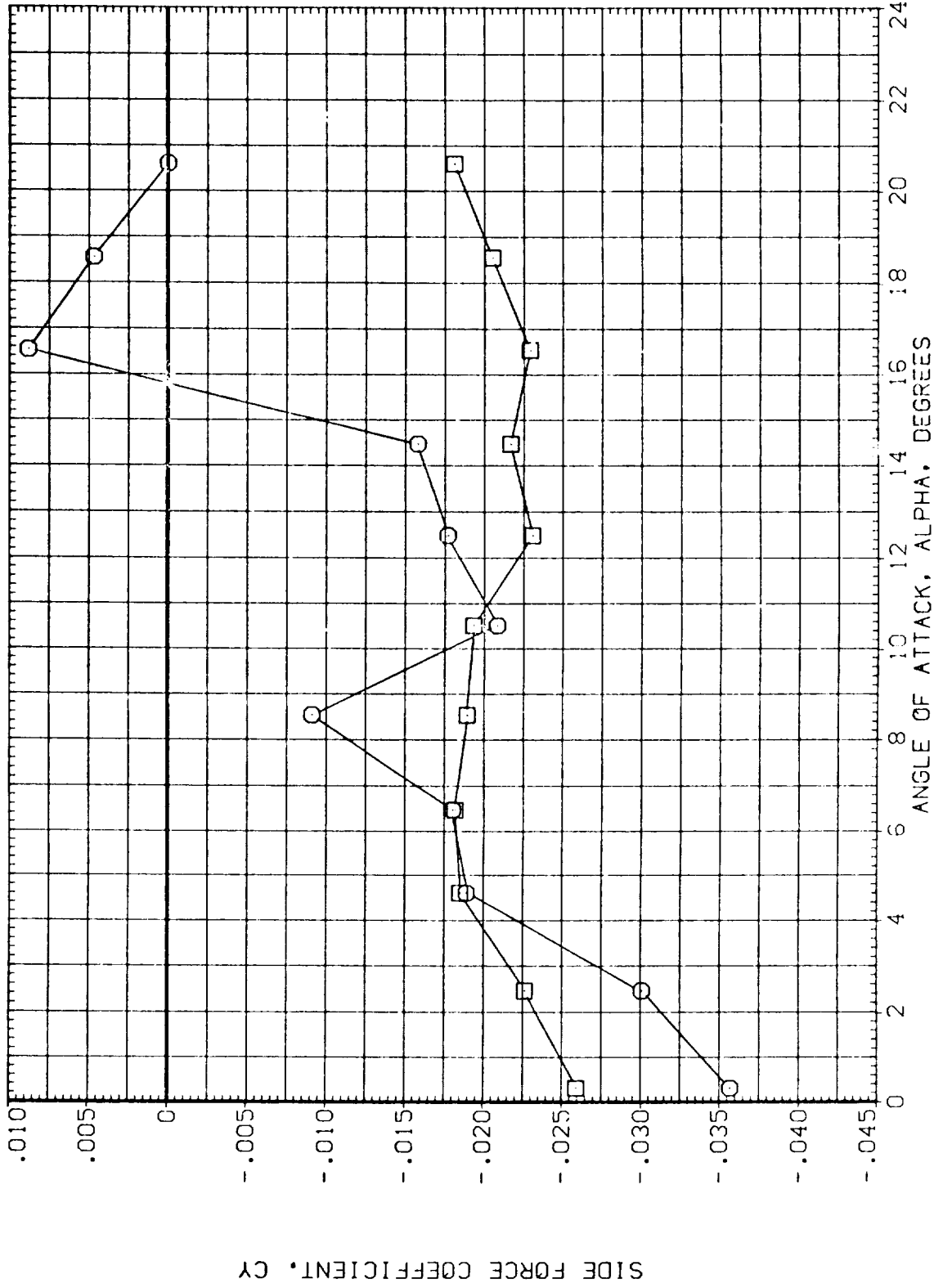


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL DATA  
CY MACH  
CYB D1  
D2 D1-3  
D1-3  
PHI-C

PARAMETRIC VALUES  
BETA .000  
D3 .000  
D4 15.000  
D2-4 15.000  
PHI-C .000

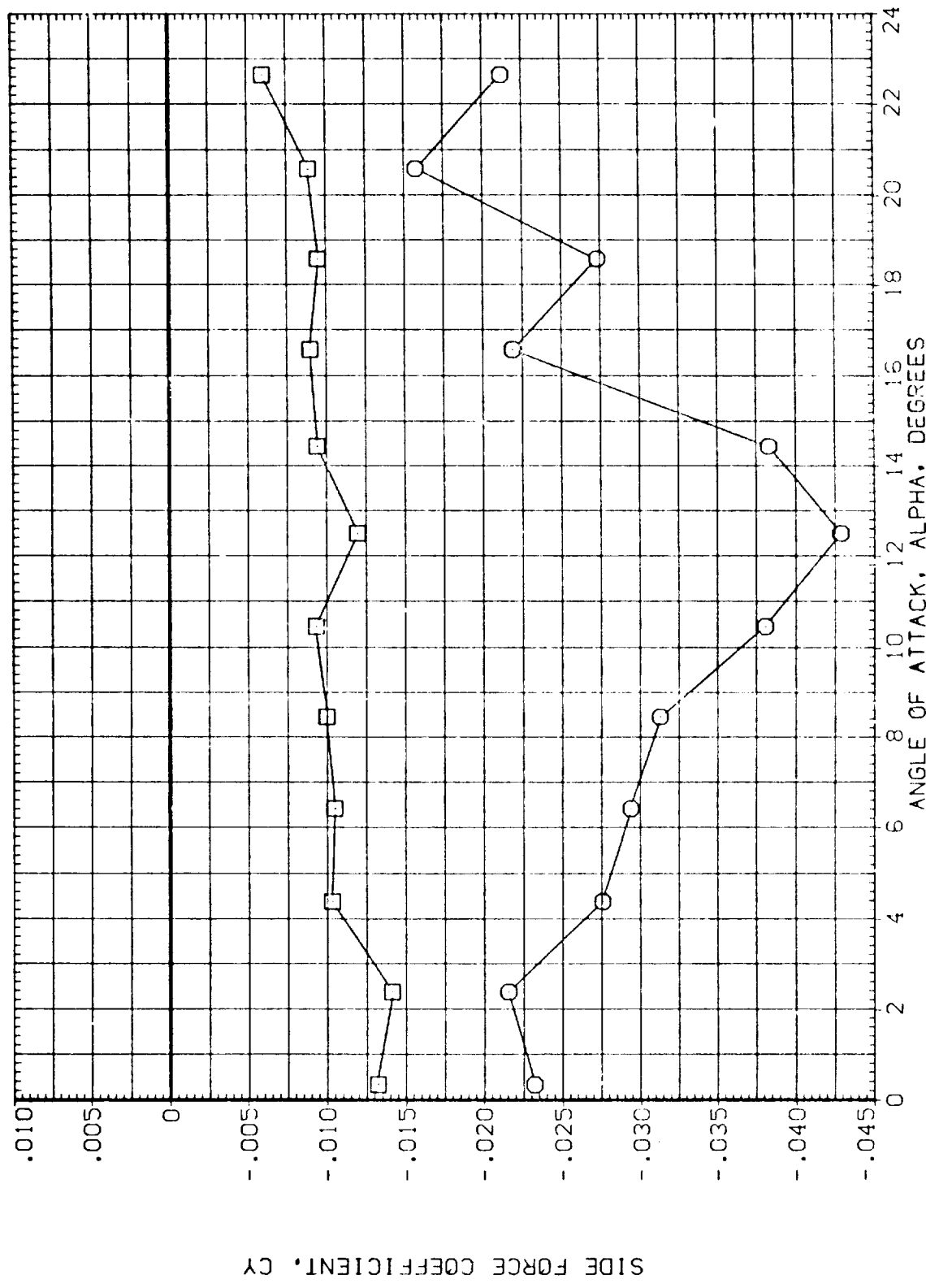


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ203)

CONFIGURATION 11 (BN3C6)

SYMBOL	DATA	PARAMETRIC VALUES
○	MACH	.802
□	BETA	.000
	D1	.000
	D2	15.000
	D1-3	.000
	D2-4	15.000
	PHI-C	.000

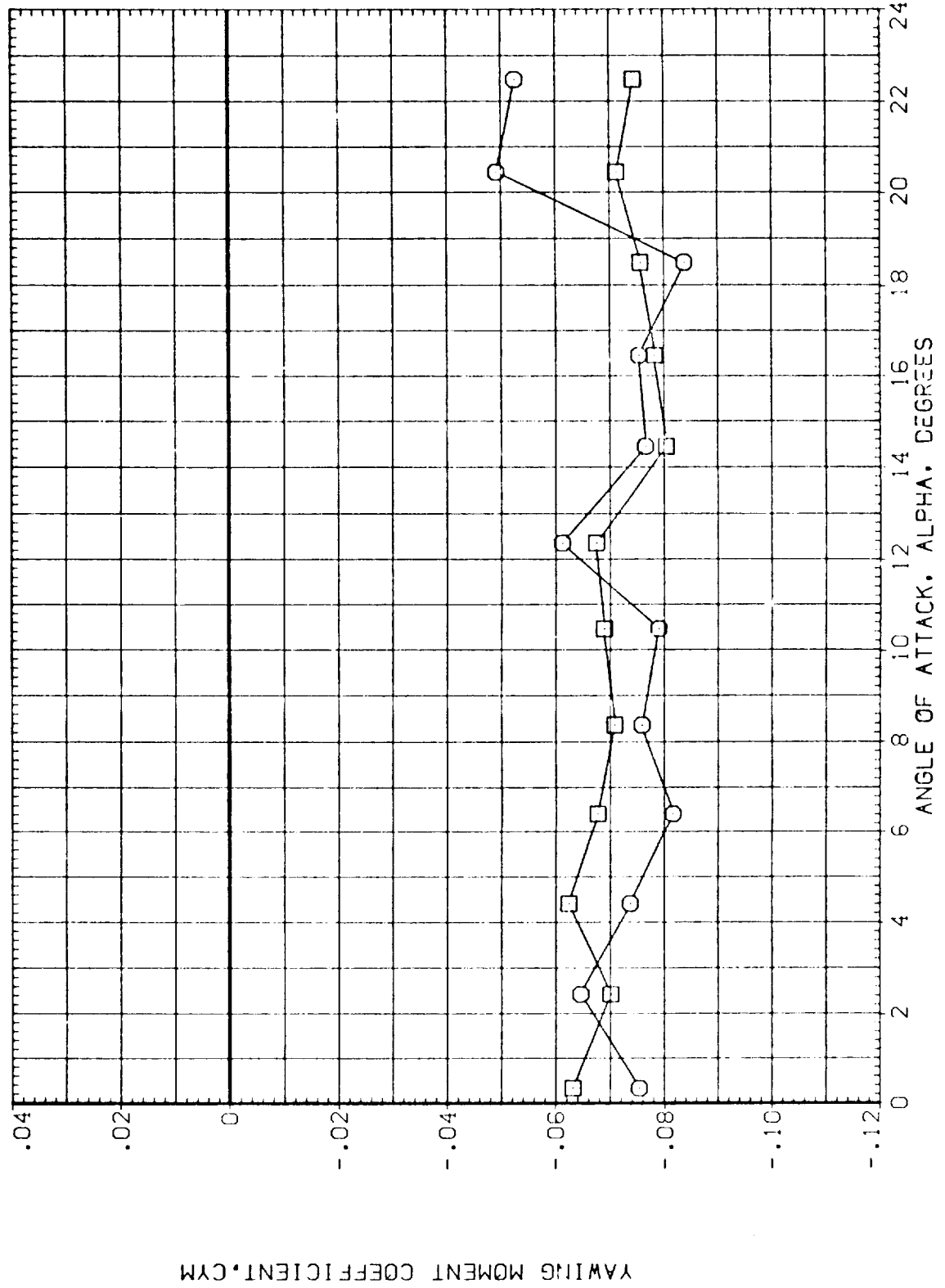


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 11 (BN3C6)

DATA		PARAMETRIC VALUES			
SYMBOL		MACH	1.310	BETA	.000
CYM	□	D1	.000	D3	.000
CYB	○	D2	15.000	D4	15.000
		D1-3	.000	D2-4	15.000
		PHI-C	.000		

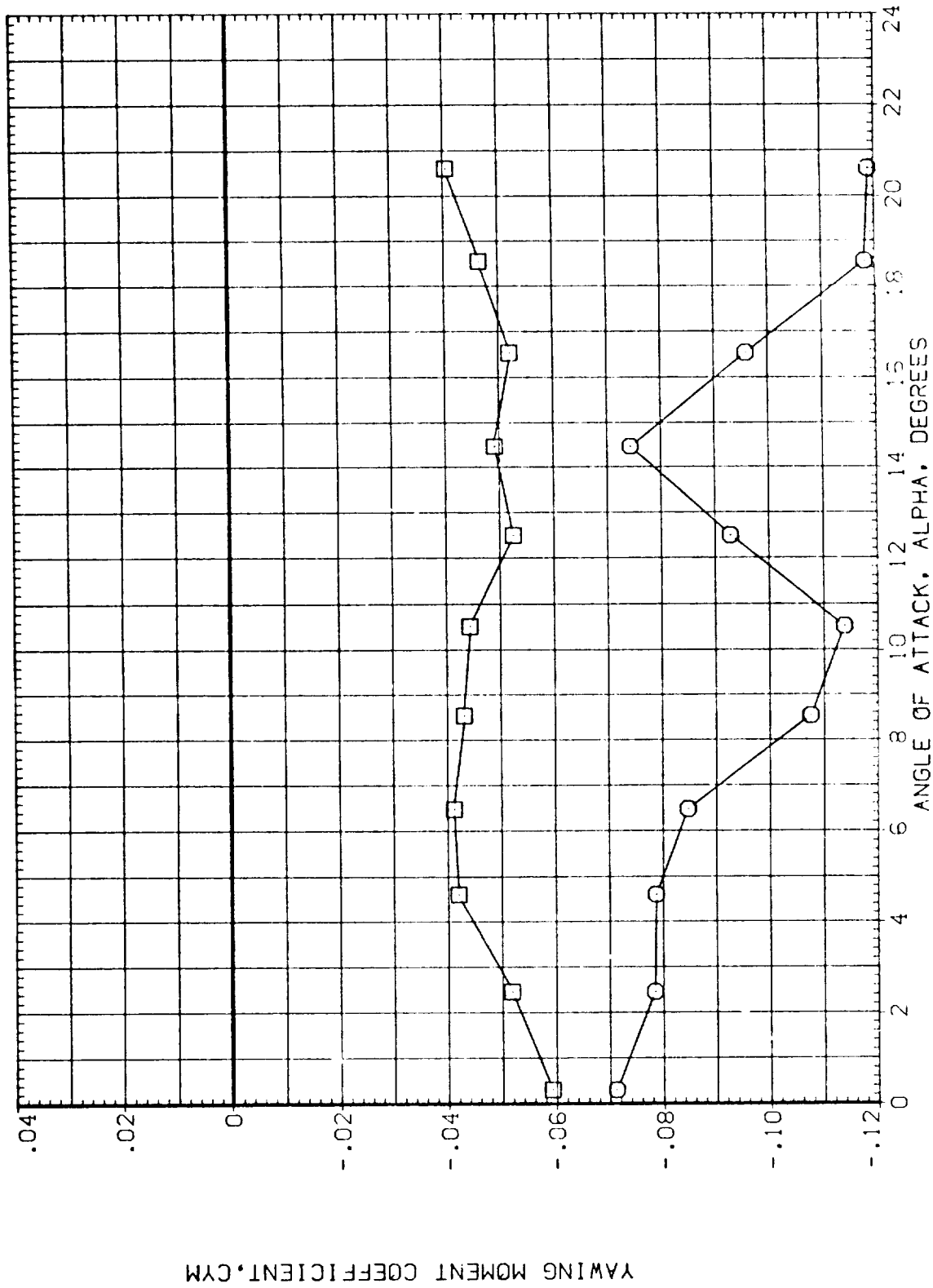


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ203)

CONFIGURATION 11 (BN3C6)

SYMBOL	DATA	PARAMETRIC VALUES
○	CYM	MACH 1.762 BETA .000
□	CYB	D1 .000 D3 .000
		D2 15.000 D4 15.000
		D1-3 .000 D2-4 15.000
		PHI-C .000

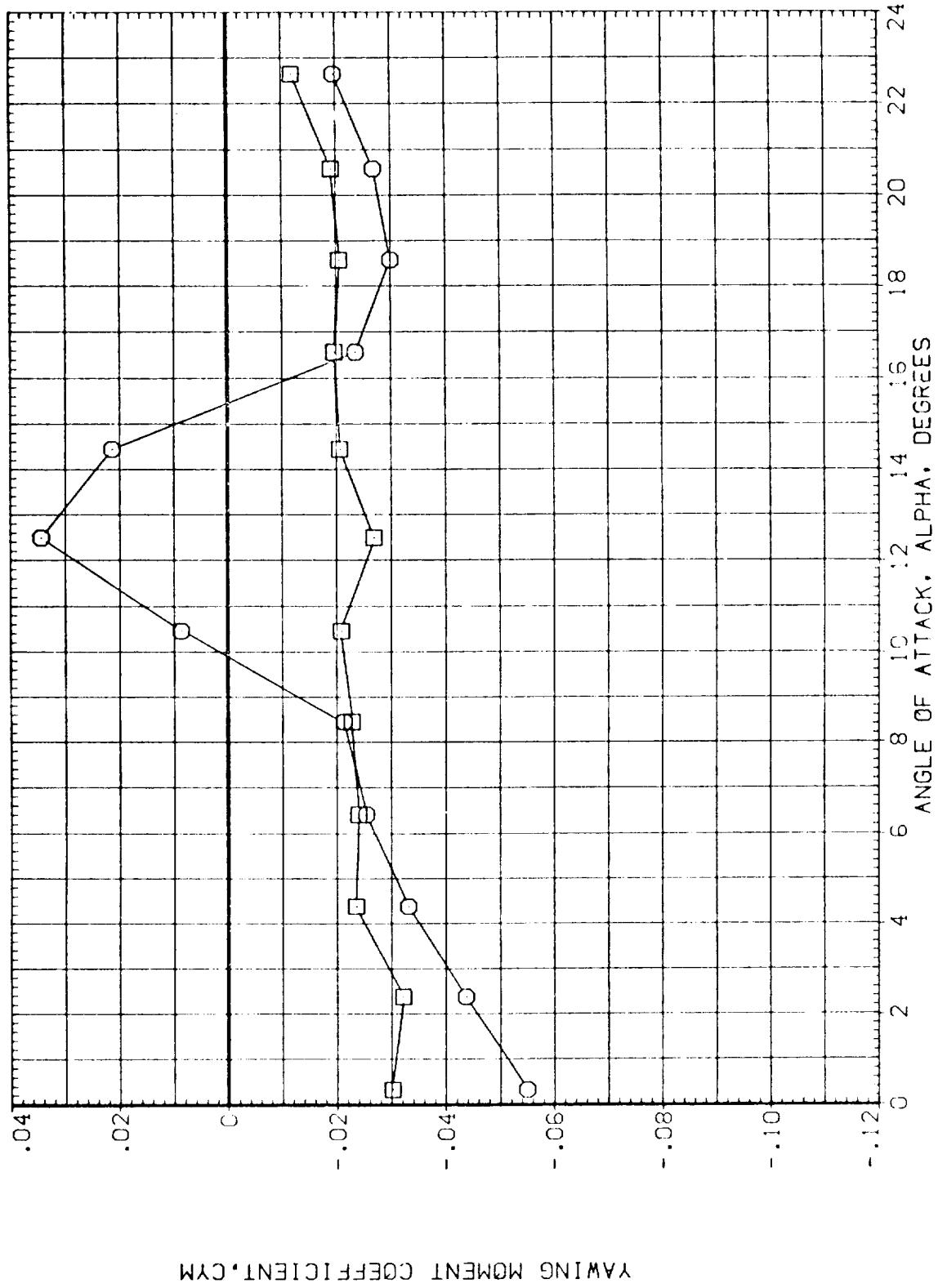


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	PARAMETRIC VALUES		
CRM	.802	BETA	.000
CRMB	.000	D3	.000
	15.000	D4	15.000
	.000	D2-4	15.000
		PHI-C	.000

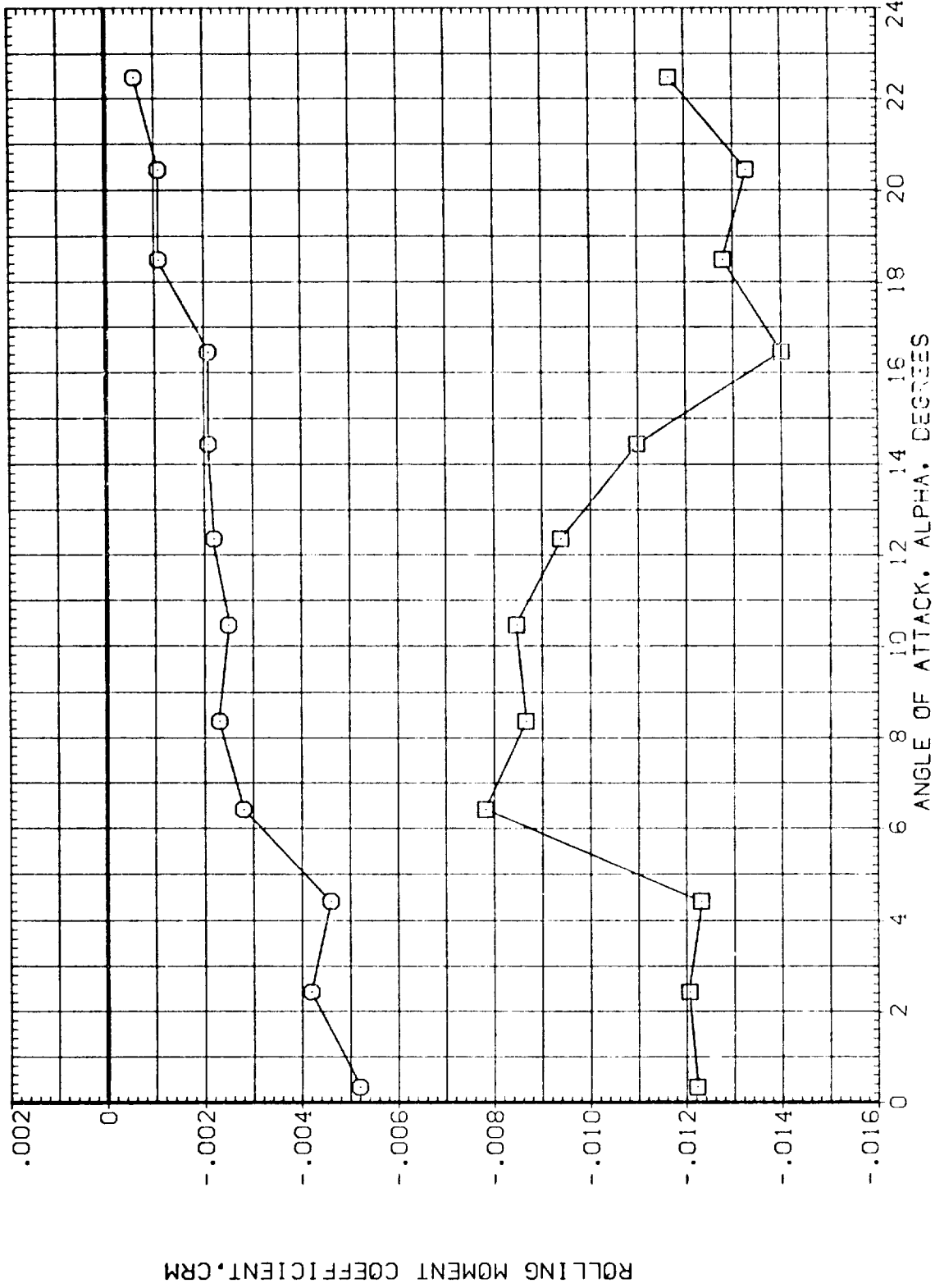


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

(CEZ203)

CONFIGURATION 11 (BN3C6)

SYMBOL		DATA		PARAMETRIC VALUES			
○	CRM	MACH	1.310	BETA	.000		
□	CRMB	D1	.000	D3	.000		
		D2	15.000	D4	15.000		
		D1-3	.000	D2-4	15.000		
		PHI-C	.000				

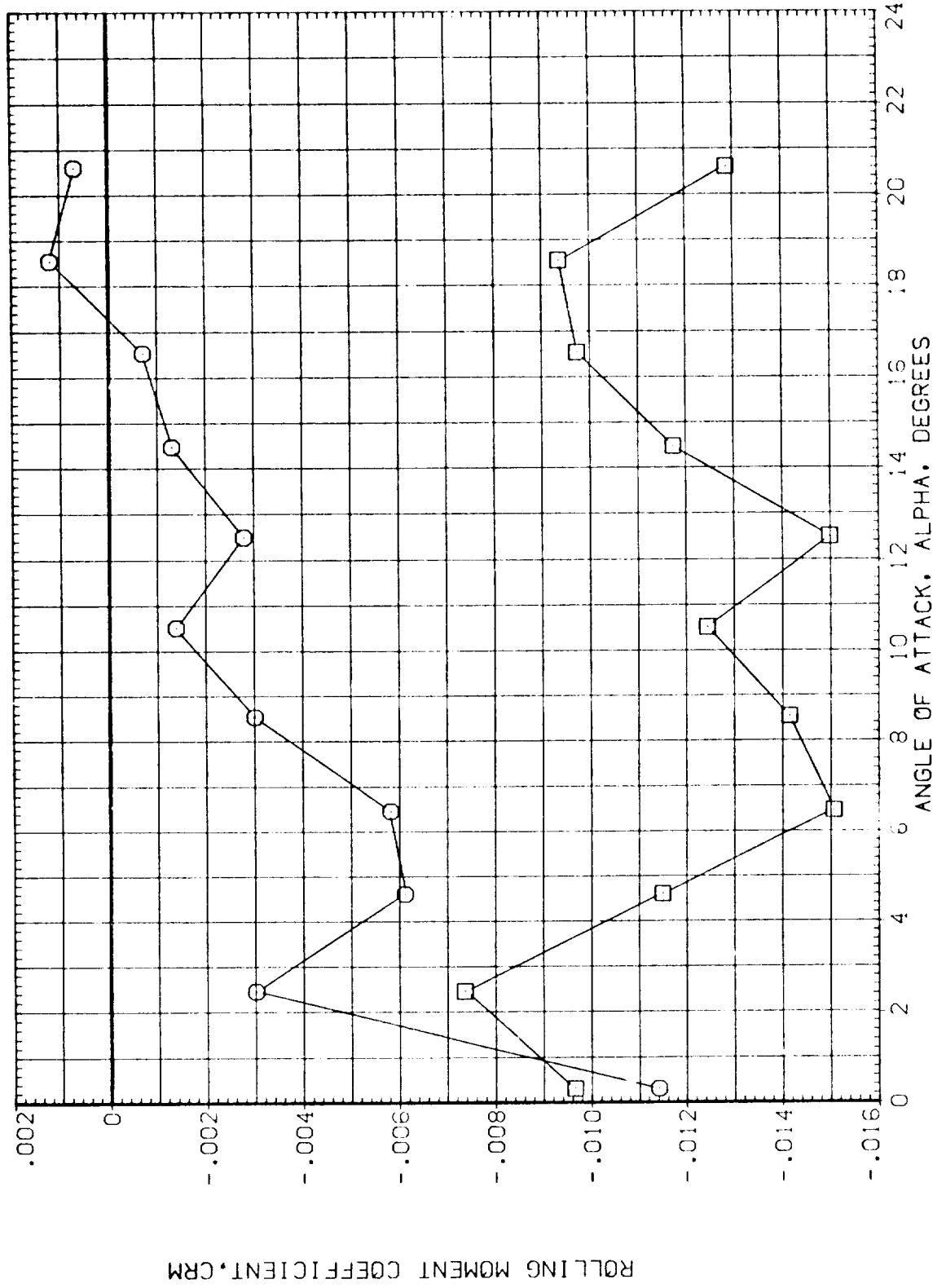


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 11 (BN3C6)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CRM	D1	1.762
□	CRMB	D2	.000
		D1-3	.000
		D2-4	15.000
		PHI-C	.000
		BETA	.000
		D3	.000
		D4	15.000
		D2-4	15.000
		PHI-C	.000

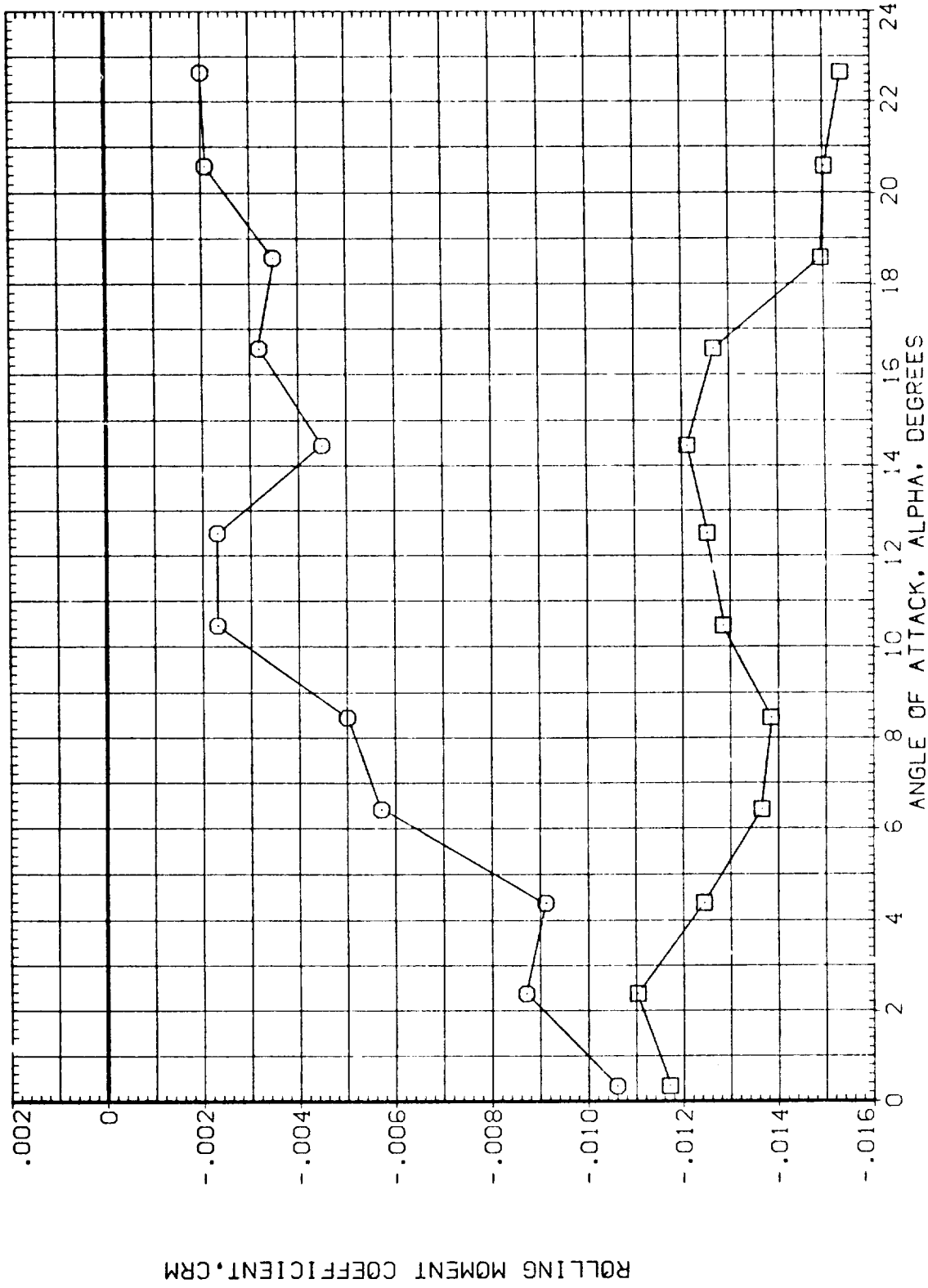


FIG. 7 BODY-CANARD CHARACTERISTICS, MAIN BALANCE AND PANEL LOAD SUMMATIONS



(LEZ253)

CONFIGURATION 16 (BN3C7T1)

DATA	PARAMETRIC VALUES
CN	.802
CNC	BETA .000
CNT	D1 .000
CNB	D2 .000
	D3 .000
	D4 .000
	D1-3 .000
	D2-4 .000
	PHI-C .000
	PHI-T .000

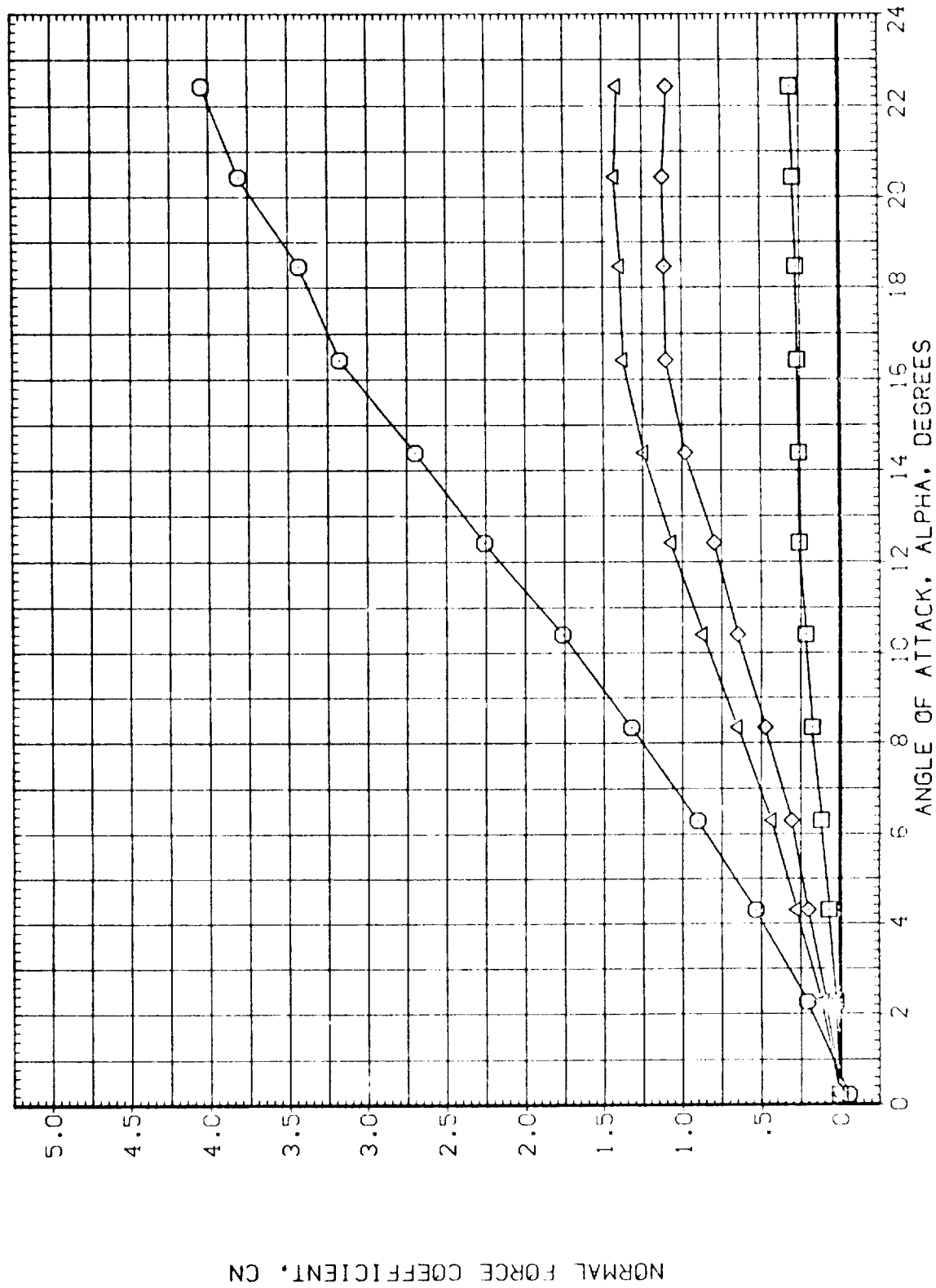


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	PARAMETRIC VALUES
CN	1.308
CNC	BETA
CNT	D1
CNB	D2
	D1-3
	PHI-C
	BETA
	D3
	D4
	D2-4
	PHI-T

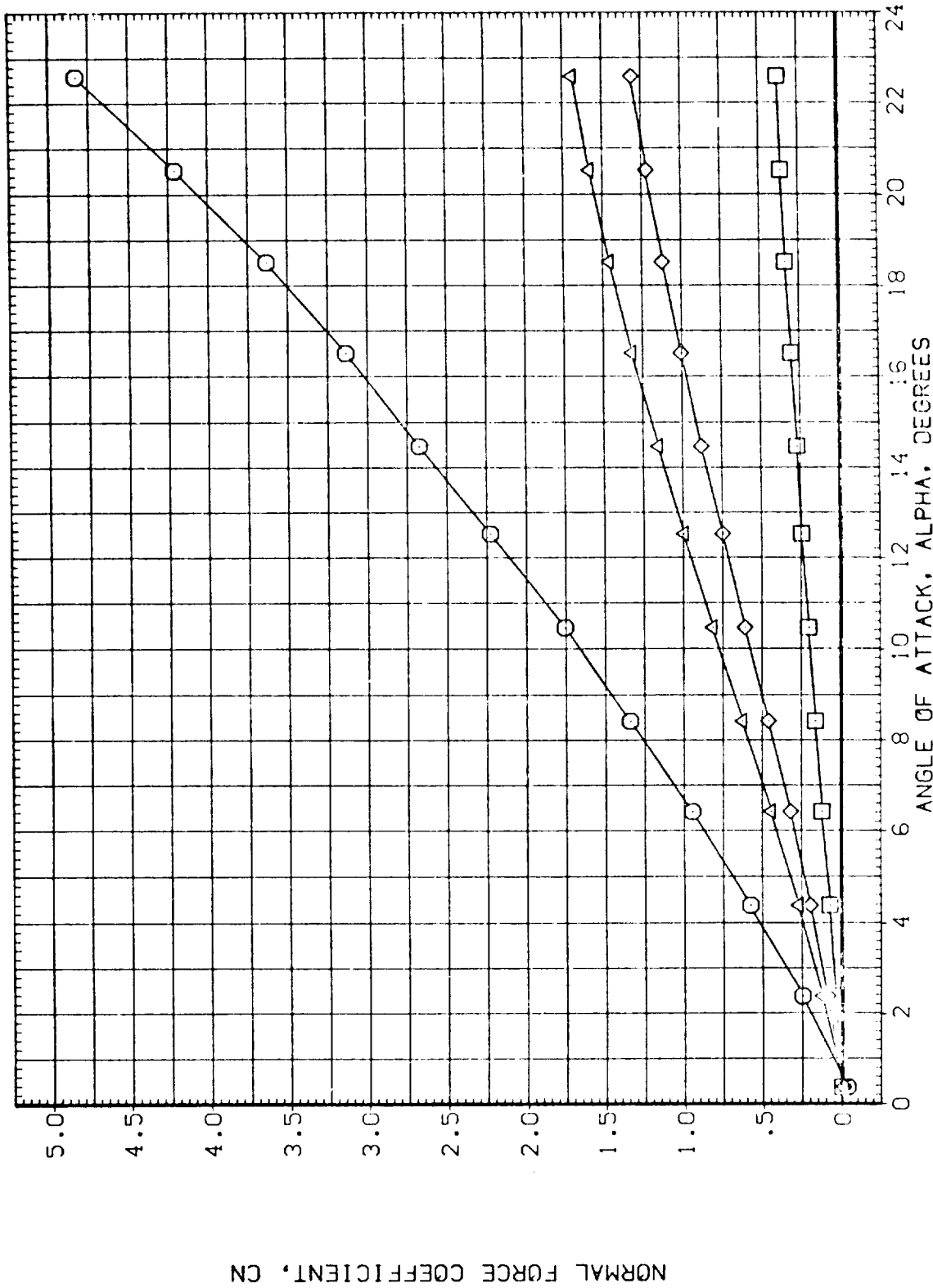


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 16 (BN3C7T1)

(LEZ253)

DATA	MACH	PARAMETRIC VALUES
CN	1.757	BETA .000
CNC	D1	D3 .000
CNT	D2	D4 .000
CNB	D1-3	D2-4 .000
	PHI-C	PHI-T .000

SYMBOL  
 ○ □ ◇ △

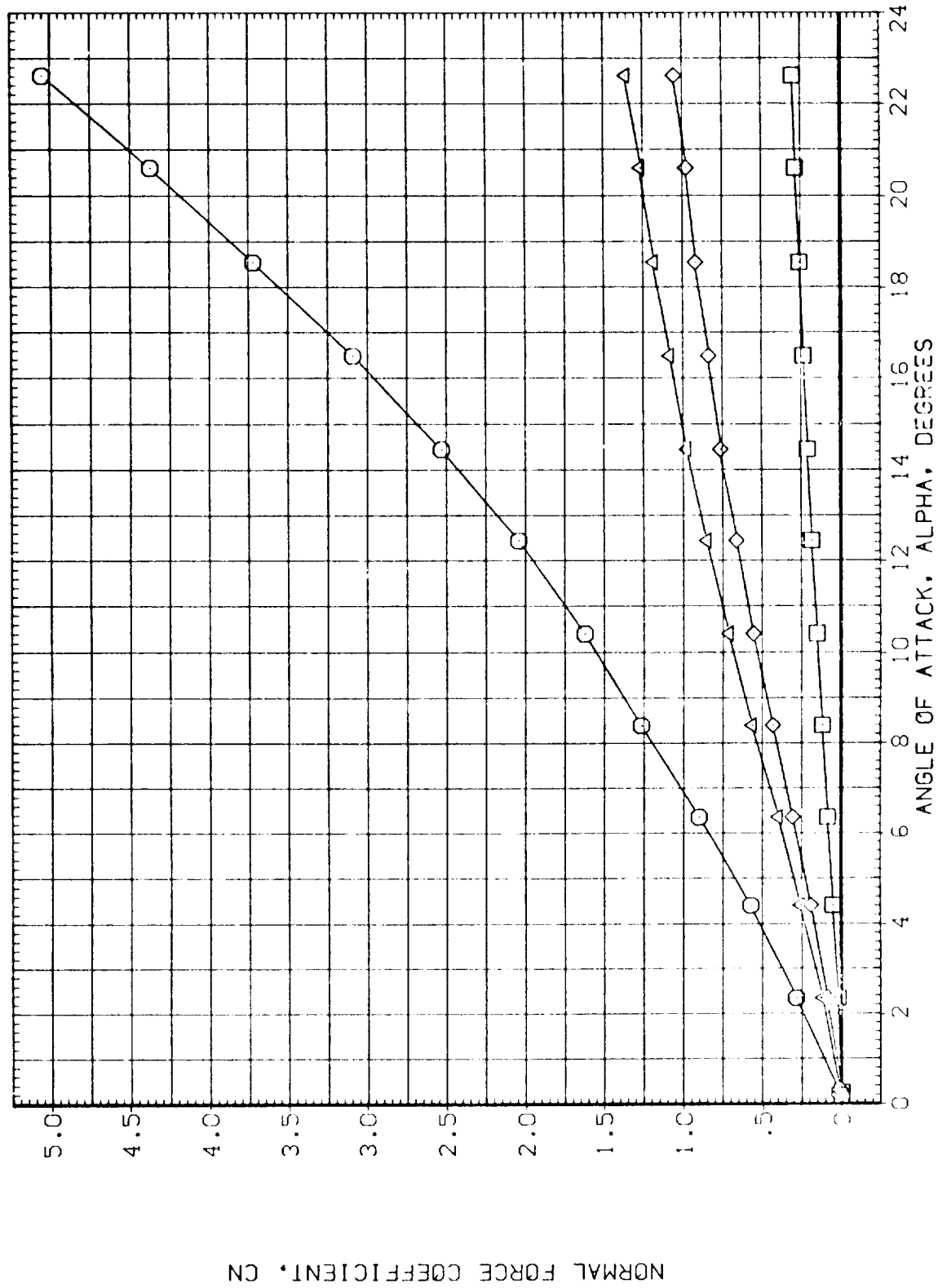


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS



(LEZ253)

CONFIGURATION 16 (BN3C7T1)

SYMBOL	DATA	PARAMETRIC VALUES
○	CM	1.308
□	CMC	.000
◇	CMT	.000
△	CMB	.000
	MACH	BETA
	D1	D3
	D2	D4
	D1-3	D2-4
	PHI-C	PHI-T

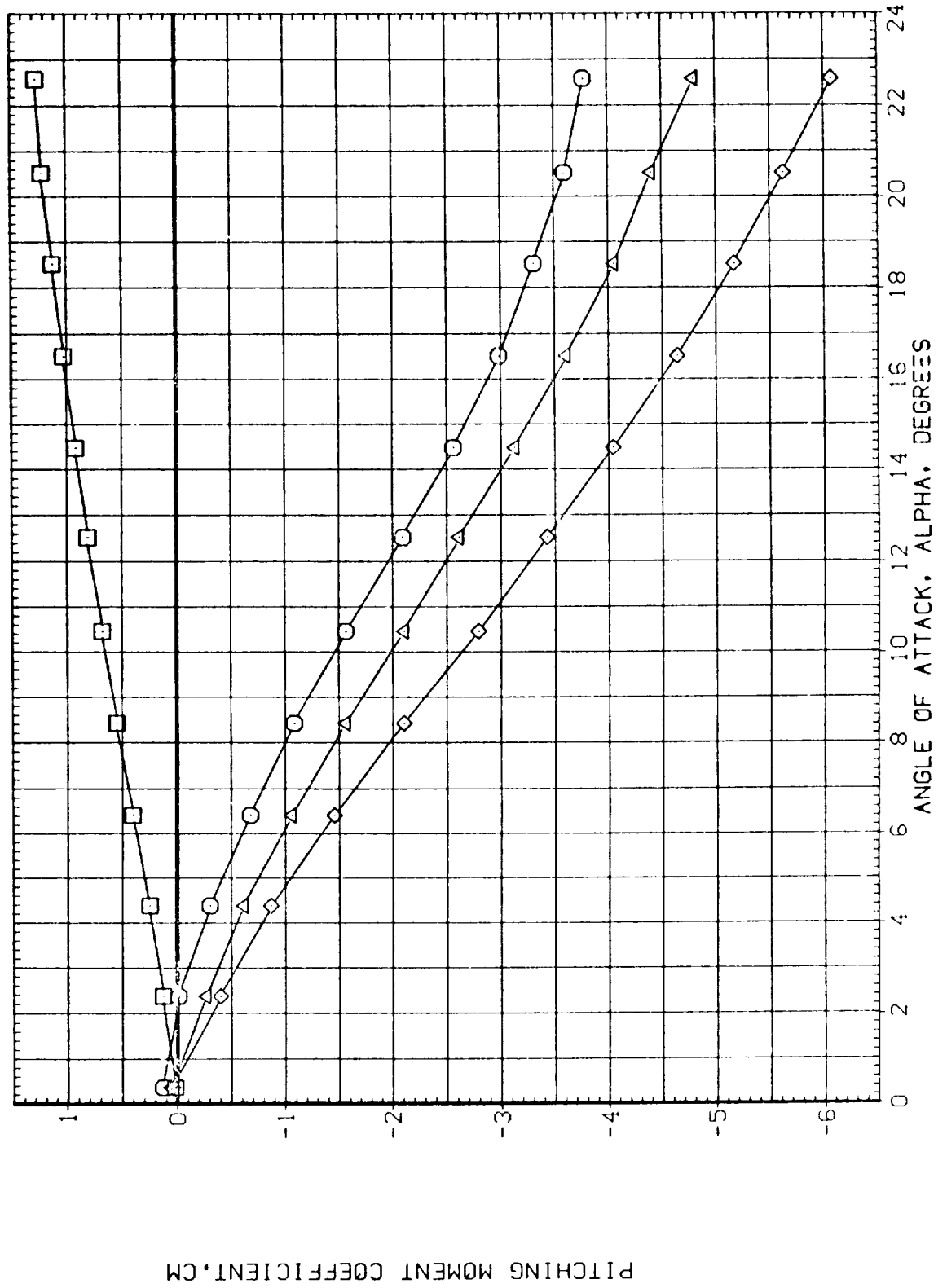


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	PARAMETRIC VALUES
CM	1.757
CMC	.000
CMT	.000
CMB	.000
MACH	BETA
D1	D3
D2	D4
D1-3	D2-4
PHI-C	PHI-T

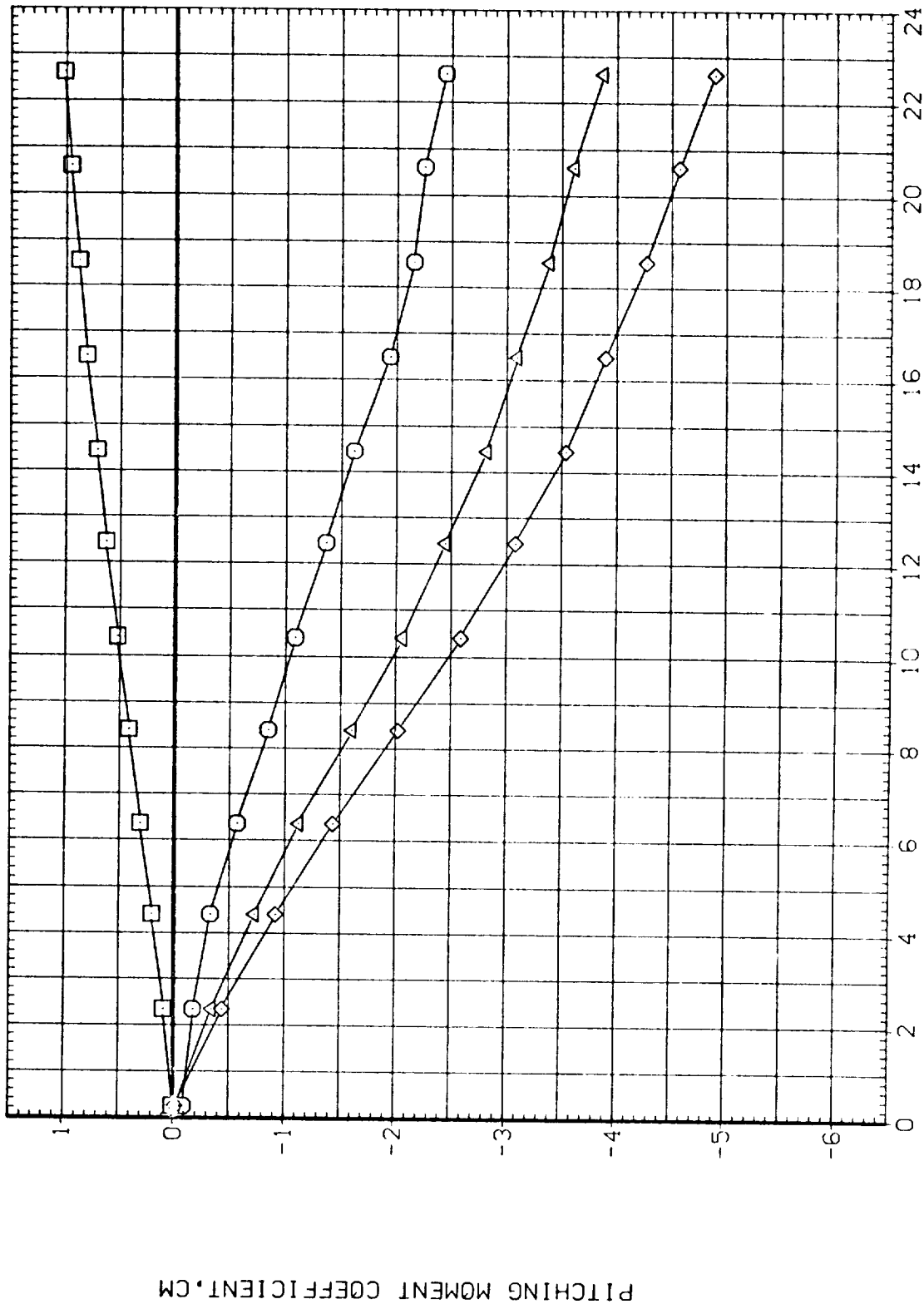


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 16 (BN3C7T1)

(0EZ253)

SYMBOL	DATA	PARAMETRIC VALUES
O	CA	
	MACH	.802
	BETA	.000
	D1	.000
	D3	.000
	D2	.000
	D4	.000
	D1-3	.000
	D2-4	.000
	PHI-C	.000
	PHI-T	.000

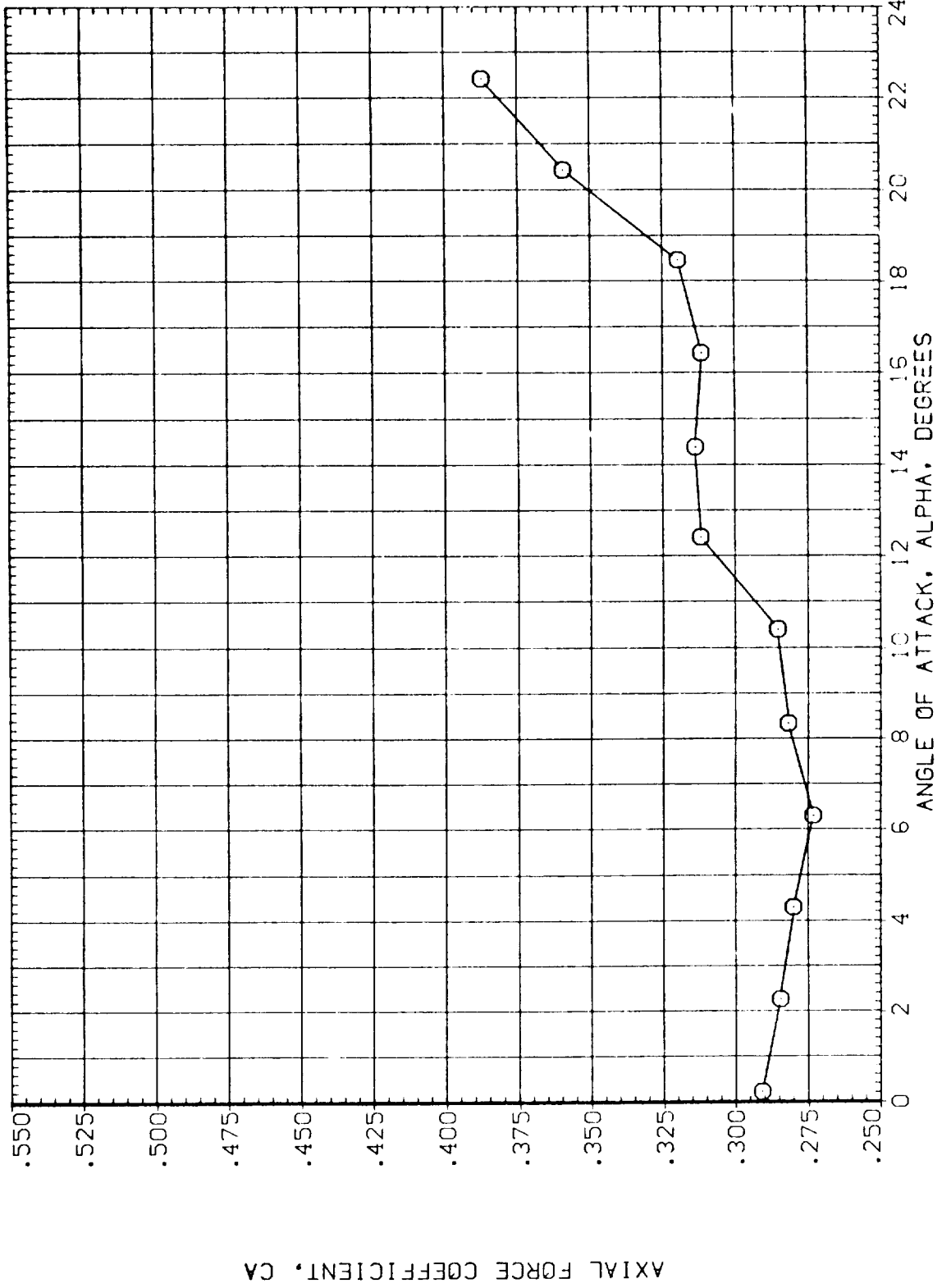


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL		DATA		PARAMETRIC VALUES			
○	CA	MACH	BETA	D1	D3	D4	PHI-T
		.01-3	.000	.000	.000	.000	.000
		PHI-C	.000	D2-4	.000	PHI-T	.000

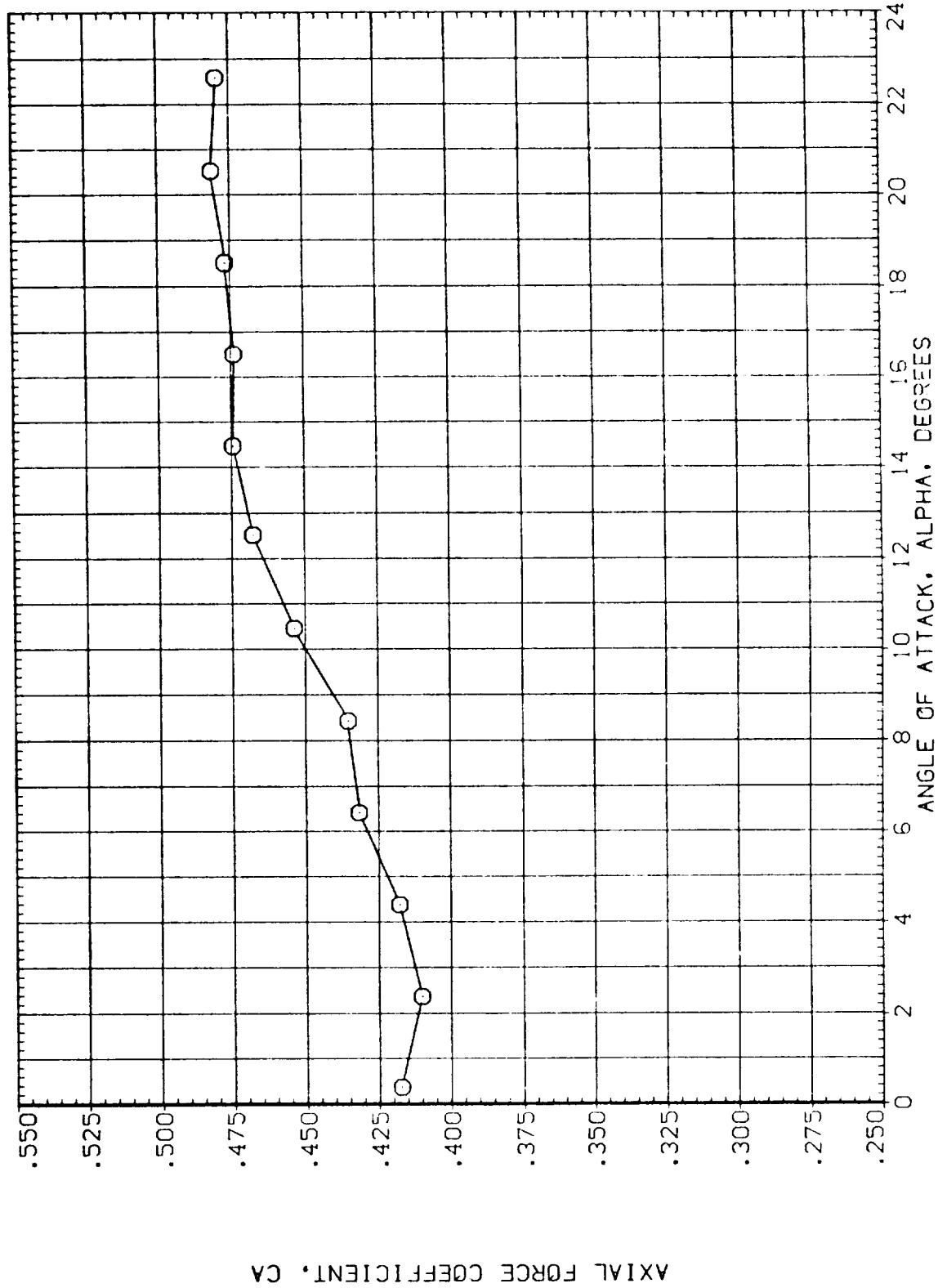


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS



(0EZ253)

CONFIGURATION 16 (BN3C7T1)

SYMBOL	DATA	PARAMETRIC VALUES
O	CA	MACH 1.757 BETA .000
		D1 .000 D3 .000
		D2 .000 D4 .000
		D1-3 .000 D2-4 .000
		PHI-C .000 PHI-T .000

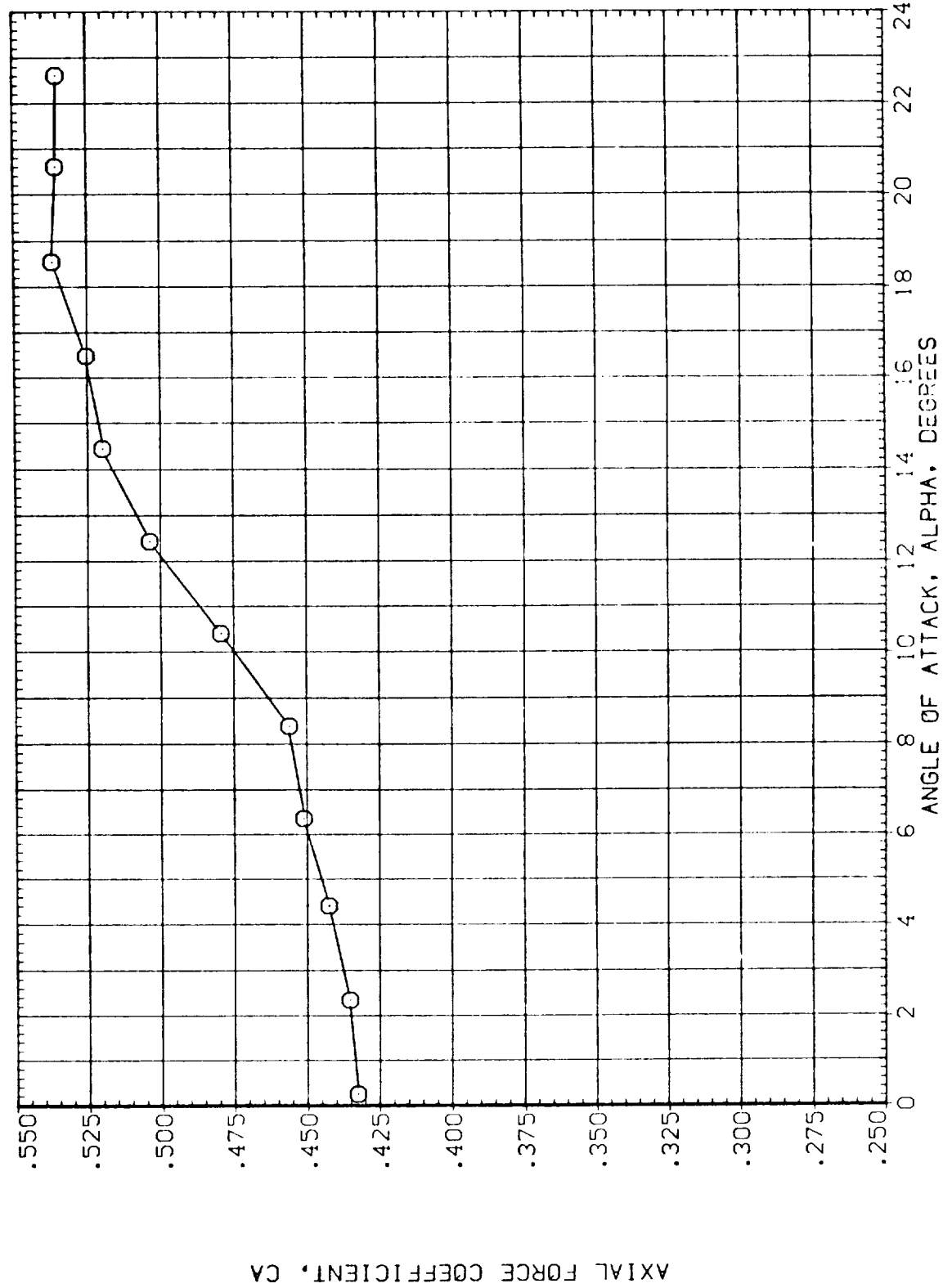


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	PARAMETRIC VALUES
CY	.802 BETA .000
CYC	.000 D3 .000
CYT	.000 D4 .000
CYB	.000 D2-4 .000
	.000 PHI-T .000

SYMBOL  
○  
□  
◇  
△

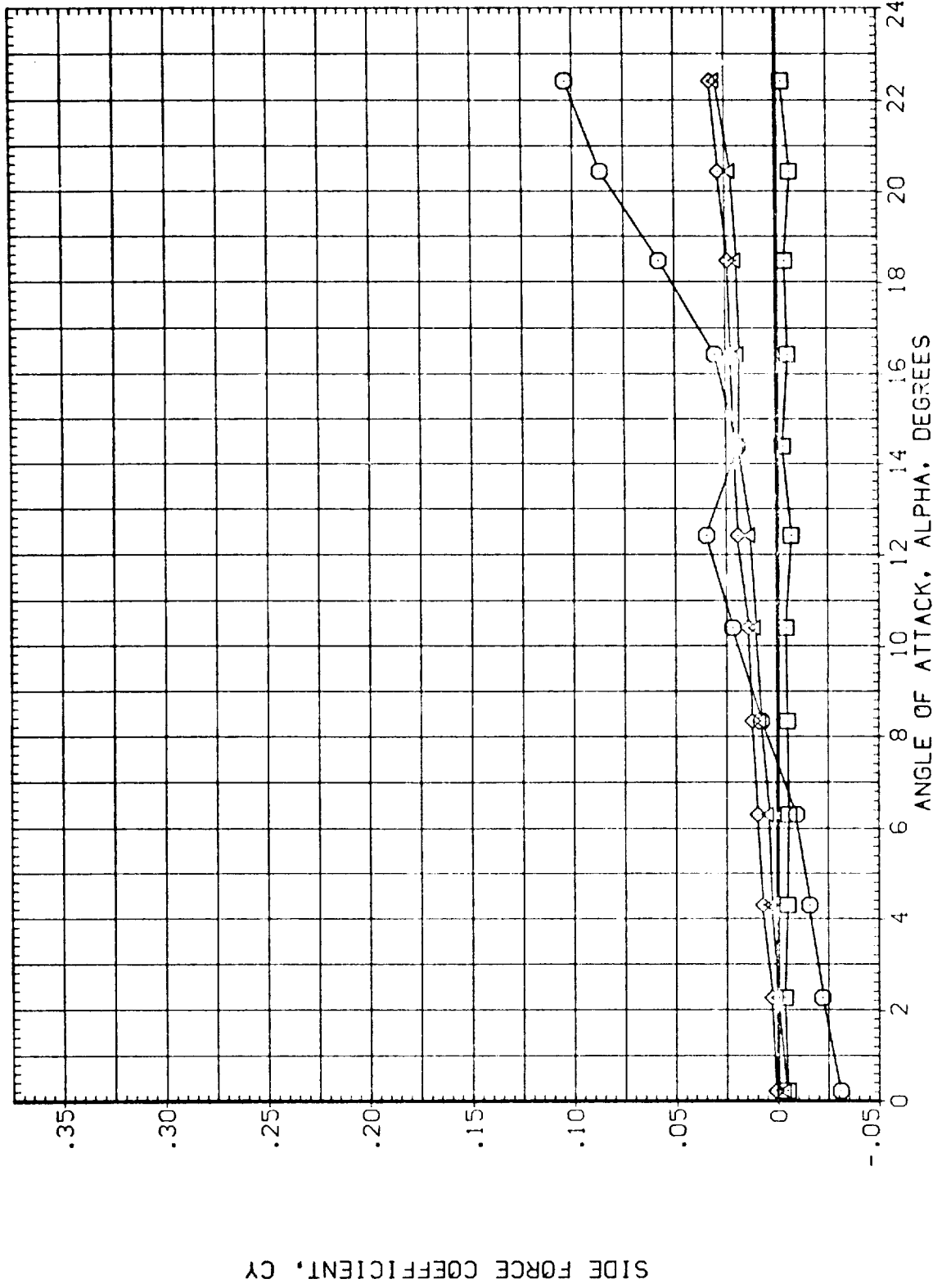


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ253)

CONFIGURATION 16 (BN3C7T1)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CY	1.308	BETA .000
□	CYC	D1	D3 .000
◇	CYT	D2	D4 .000
△	CVB	D1-3	D2-4 .000
		PHI-C	PHI-T .000

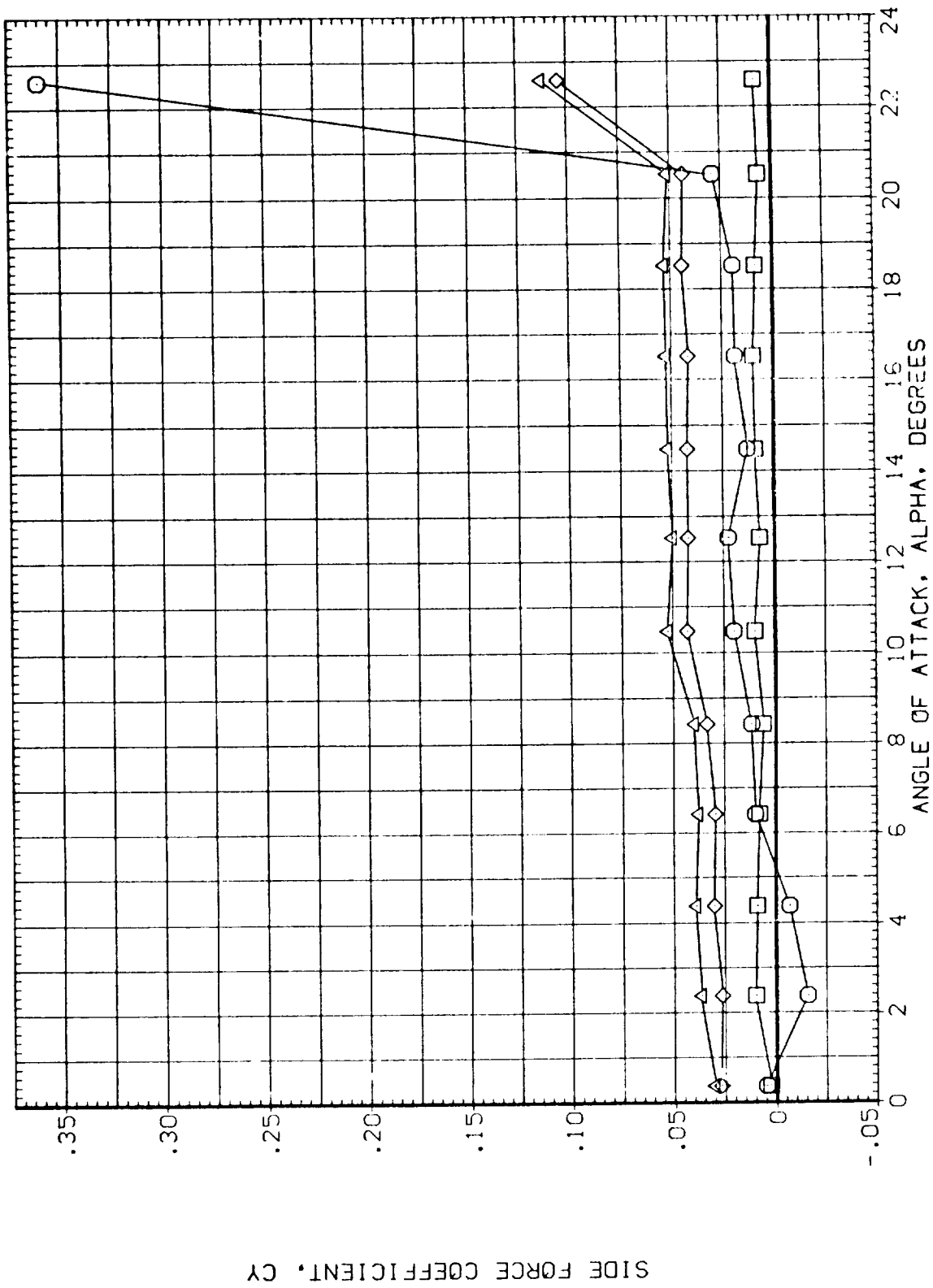


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CY	D1	1.757 BETA .000
□	CYC	D2	.000 D3 .000
◇	CYT	D1-3	.000 D4 .000
△	CYB	PHI-C	.000 D2-4 .000
		PHI-T	.000

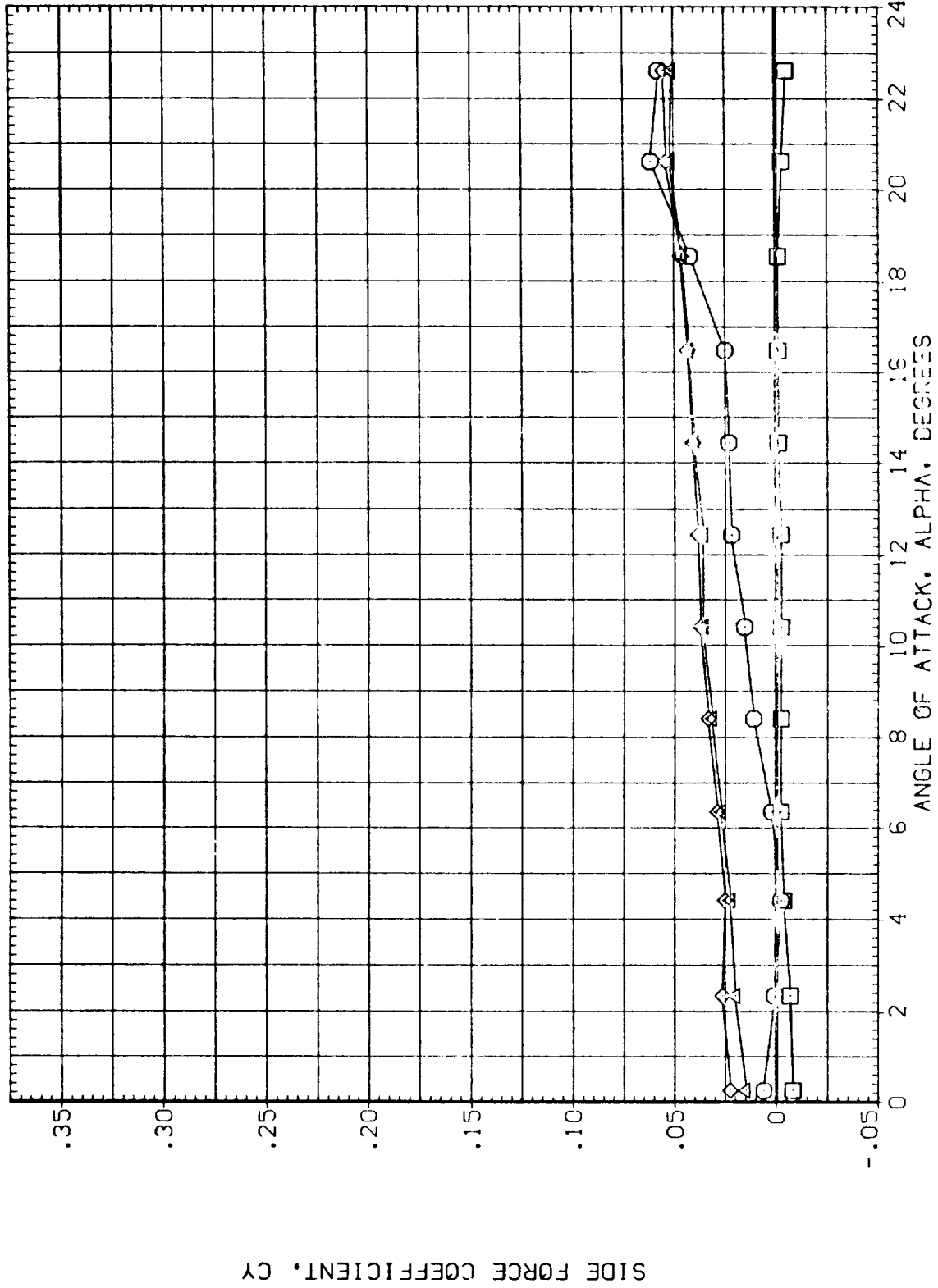


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ253)

CONFIGURATION 16 (BN3C7T1)

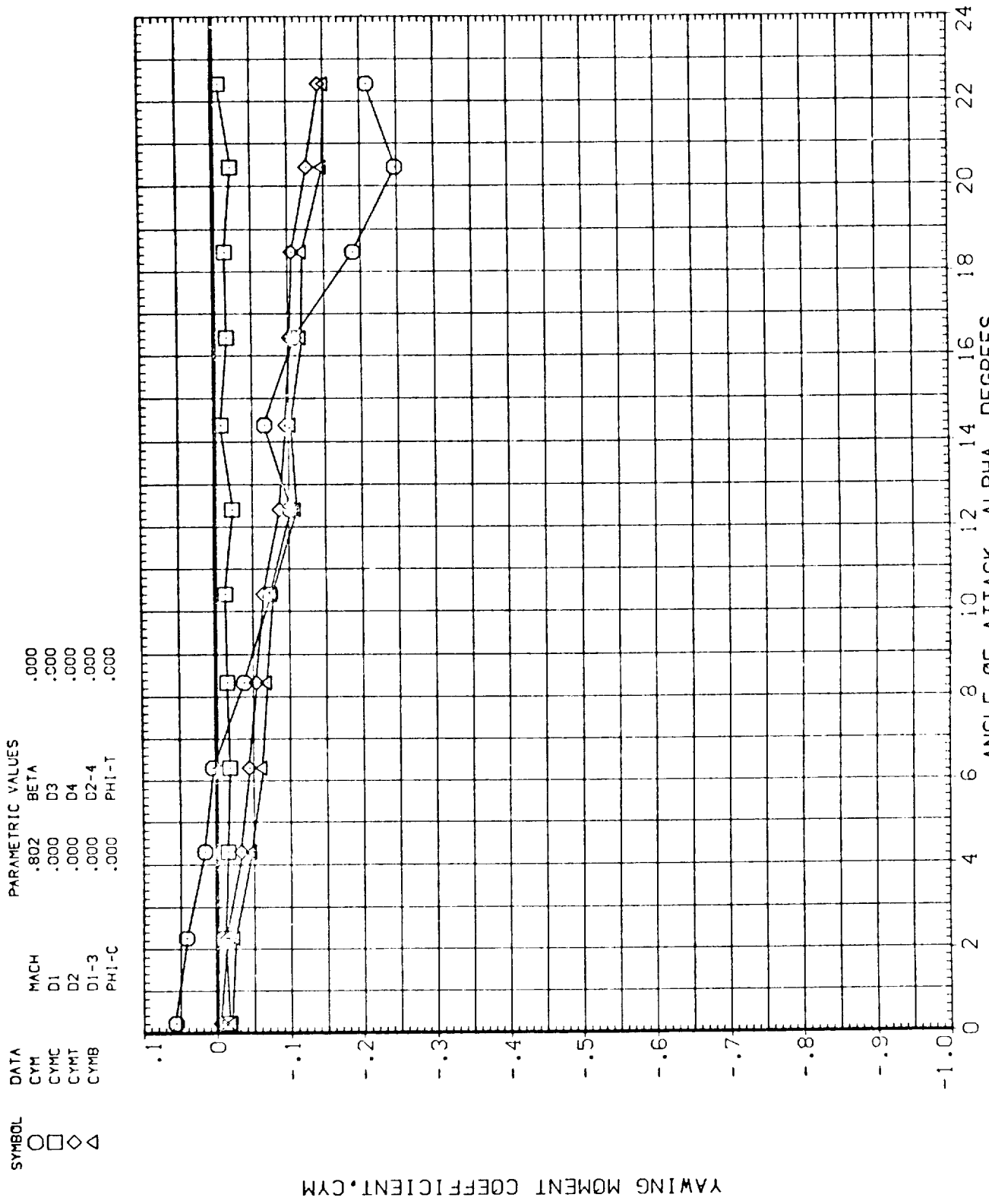


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	PARAMETRIC VALUES
CYM	MACH 1.308 BETA .000
CYMT	D1 .000 D3 .000
CYMB	D2 .000 D4 .000
	D1-3 .000 D2-4 .000
	PHI-C .000 PHI-T .000

SYMBOL  
○ □ ◇ △

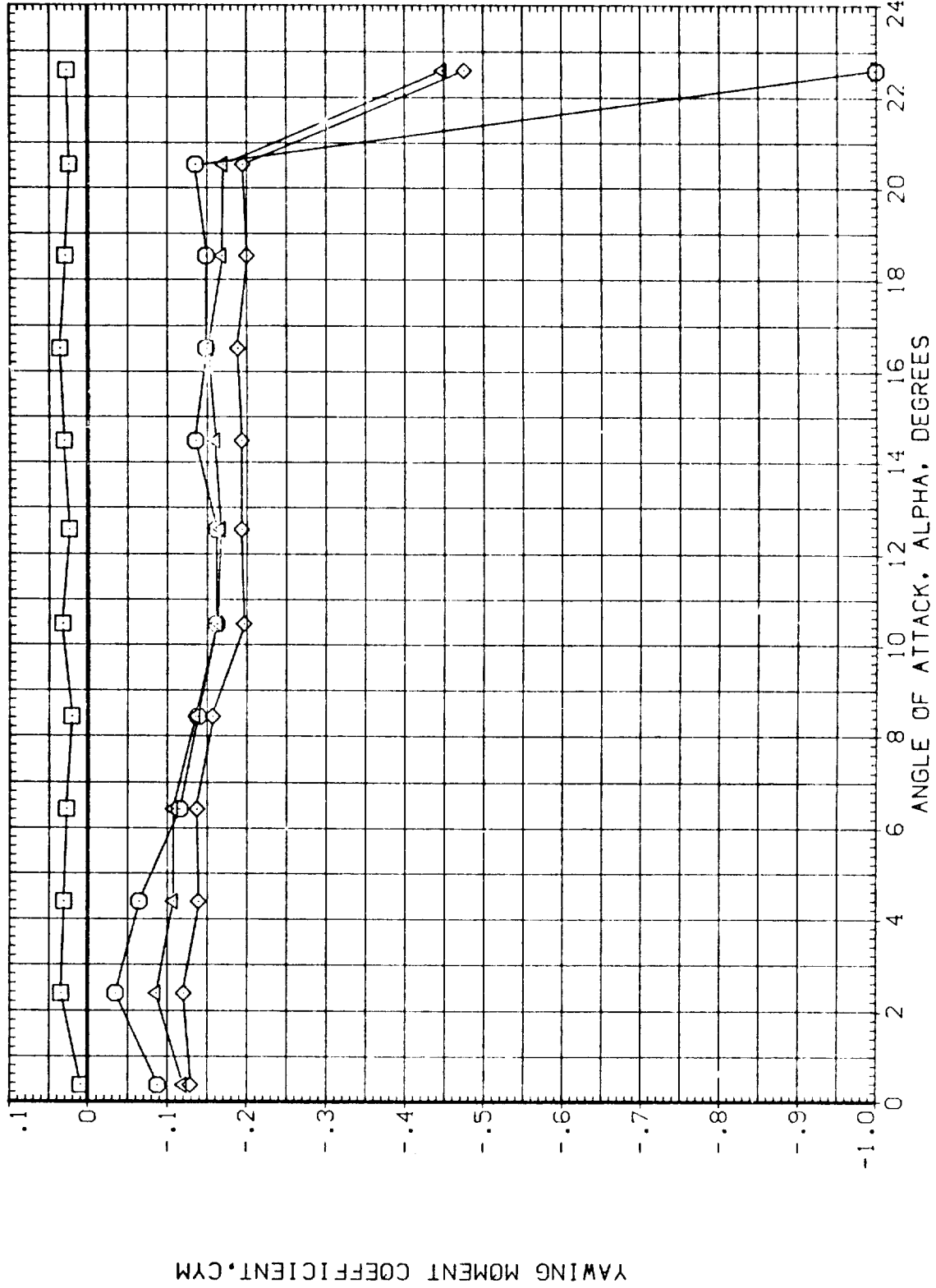


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 16 (BN3C7T1)

(MEZ253)

DATA		PARAMETRIC VALUES			
CYM	MACH	1.757	BETA	.000	
CYMC	D1	.000	D3	.000	
CYMT	D2	.000	D4	.000	
CYMB	D1-3	.000	D2-4	.000	
	PHI-C	.000	PHI-T	.000	

SYMBOL  
 ○ □ ◇ △

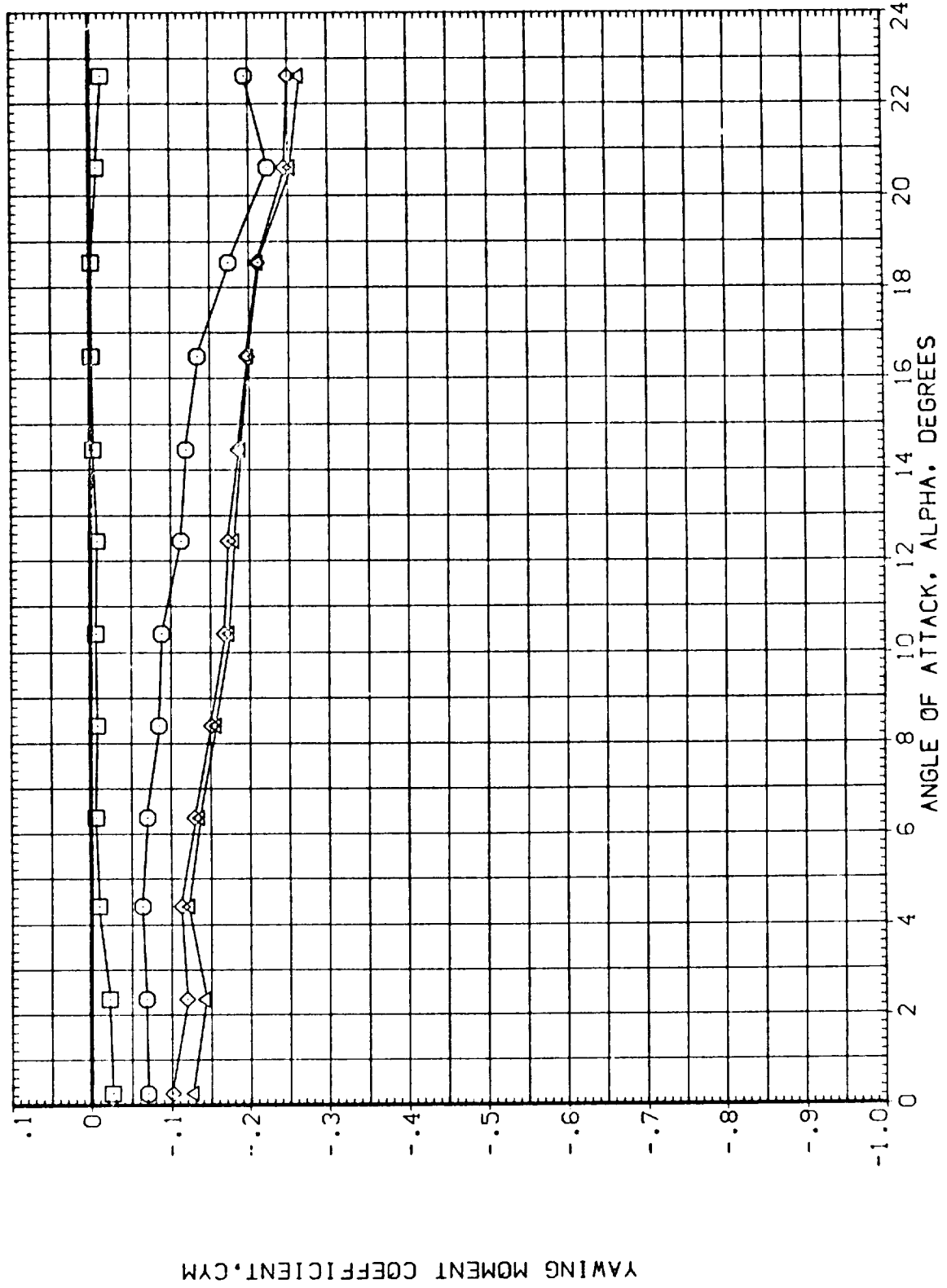


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CRM	.802	BETA .000
□	CRMC	D1	D3 .000
◇	CRMT	D2	D4 .000
△	CRMB	D1-3	D2-4 .000
		PHI-C	PHI-T .000

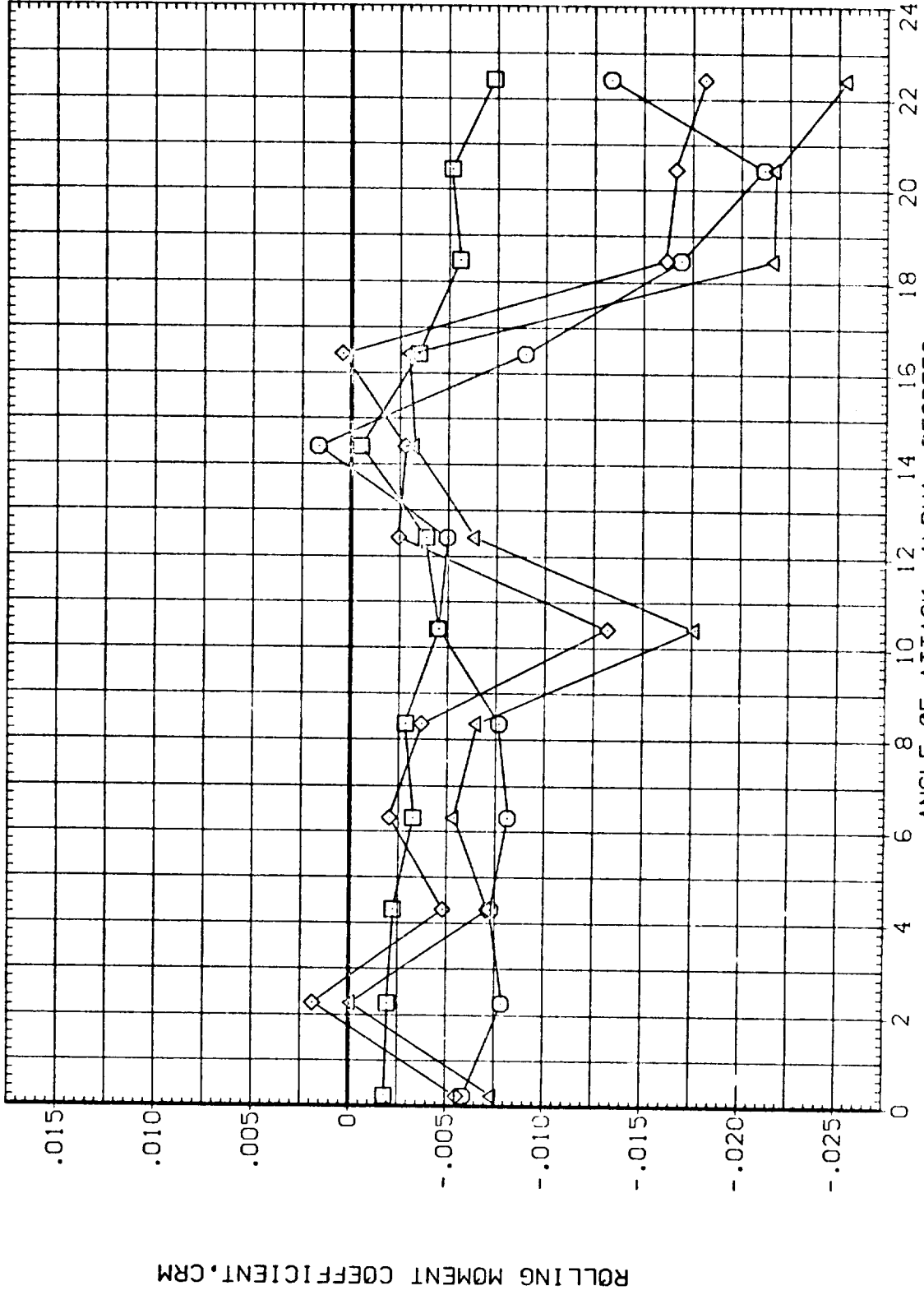


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS



(NEZ253)

CONFIGURATION 16 (BN3C7T1)

DATA		PARAMETRIC VALUES			
CRM	MACH	1.308	BETA	.000	
CRM C	D1	.000	D3	.000	
CRM T	D2	.000	D4	.000	
CRM B	D1-3	.000	D2-4	.000	
	PHI-C	.000	PHI-T	.000	

SYMBOL  
○ □ ◇ △

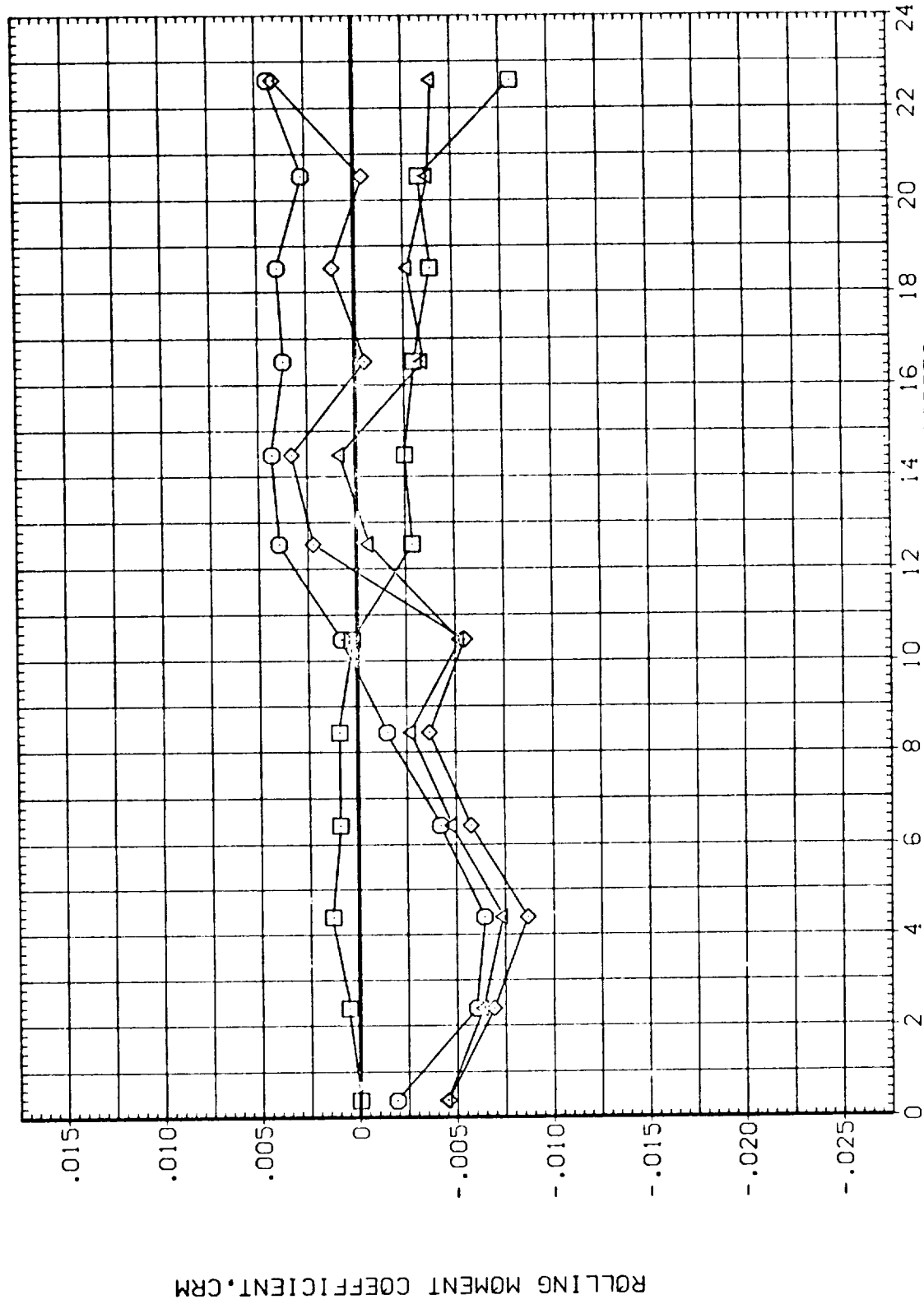


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CRM	1.757	BETA .000
□	CRM C	.000	D3 .000
◇	CRM T	.000	D4 .000
△	CRM B	.000	D2-4 .000
		.000	PHI-C .000
		.000	PHI-T .000

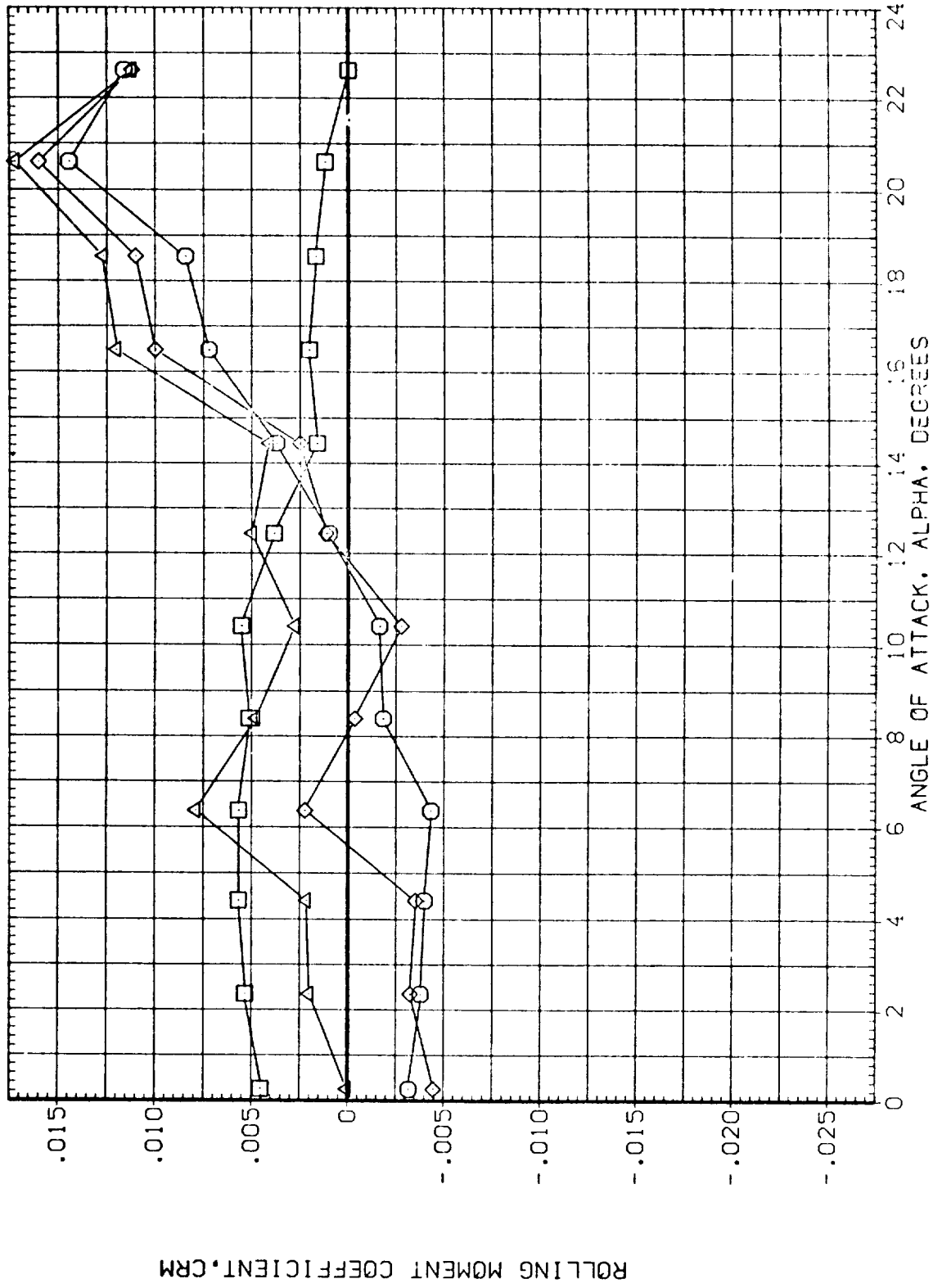


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ254)

CONFIGURATION 16 (BN5C7T1)

DATA		PARAMETRIC VALUES			
CN	MACH	.801	BETA	.000	
CNC	D1	.000	D3	.000	
CNT	D2	5.000	D4	5.000	
CNB	D1-3	.000	D2-4	5.000	
	PHI-C	.000	PHI-T	.000	

SYMBOL  
○ □ ◇ △

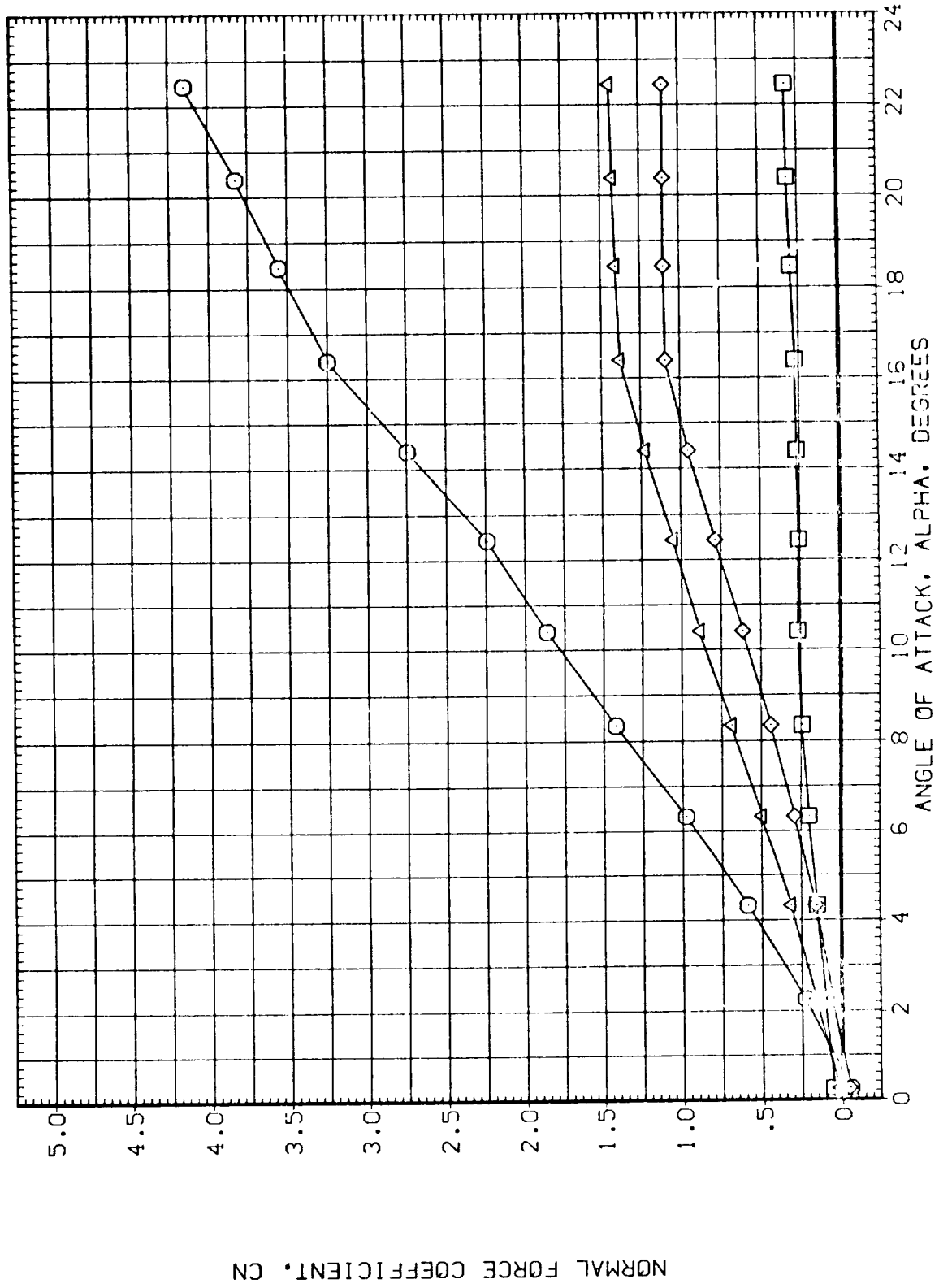


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA		PARAMETRIC VALUES			
CN	MACH	1.307	BETA	.000	
CNC	D1	.000	D3	.000	
CNT	D2	5.000	D4	5.000	
CNB	D1-3	.000	D2-4	5.000	
	PHI-C	.000	PHI-T	.000	

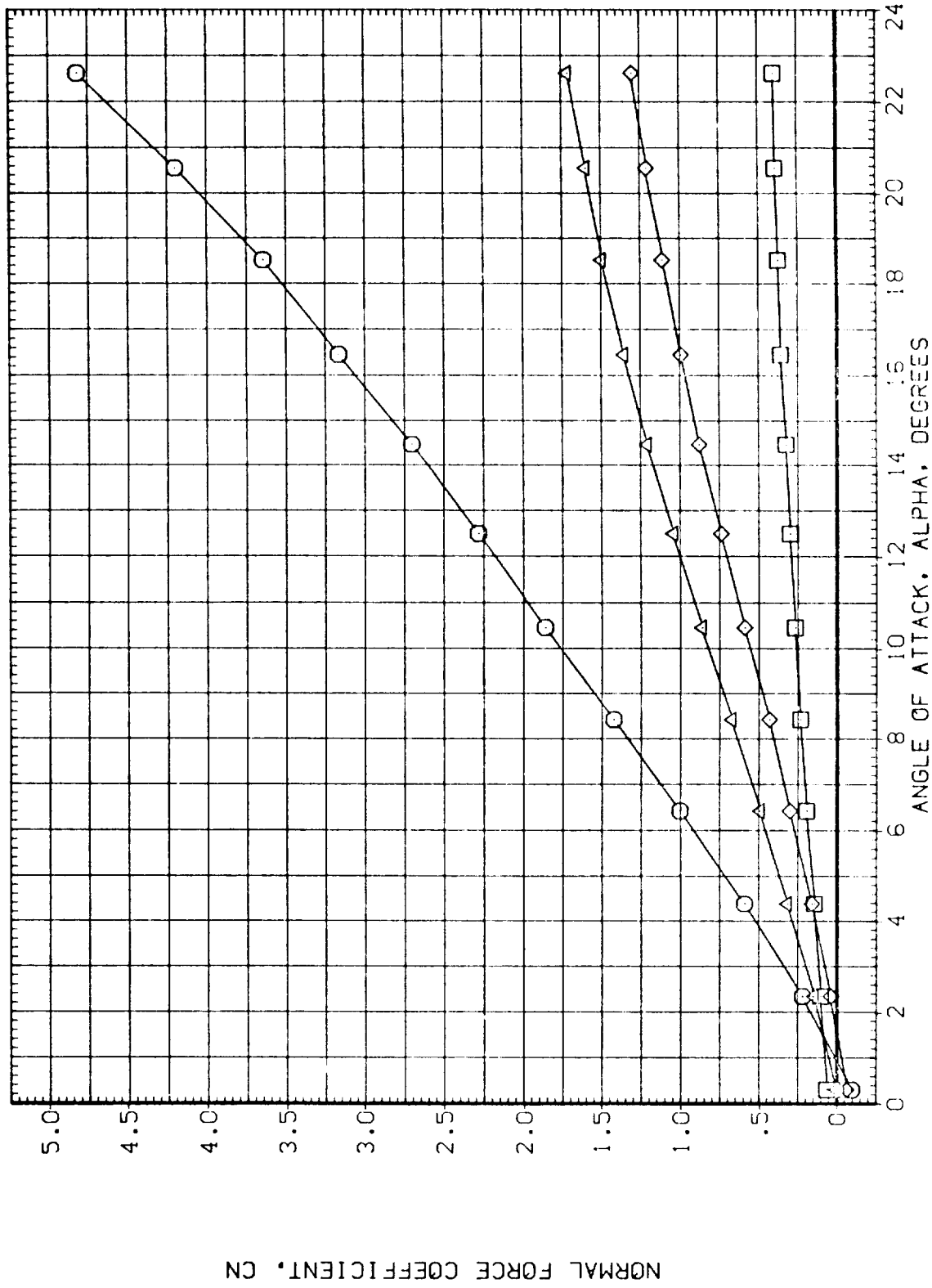


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ254)

CONFIGURATION 16 (BN3C7T1)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CN	1.750	BETA .000
□	CNC	.000	D3 .000
◇	CNT	5.000	D4 5.000
△	CNB	.000	D2-4 5.000
		.000	PHI-T .000

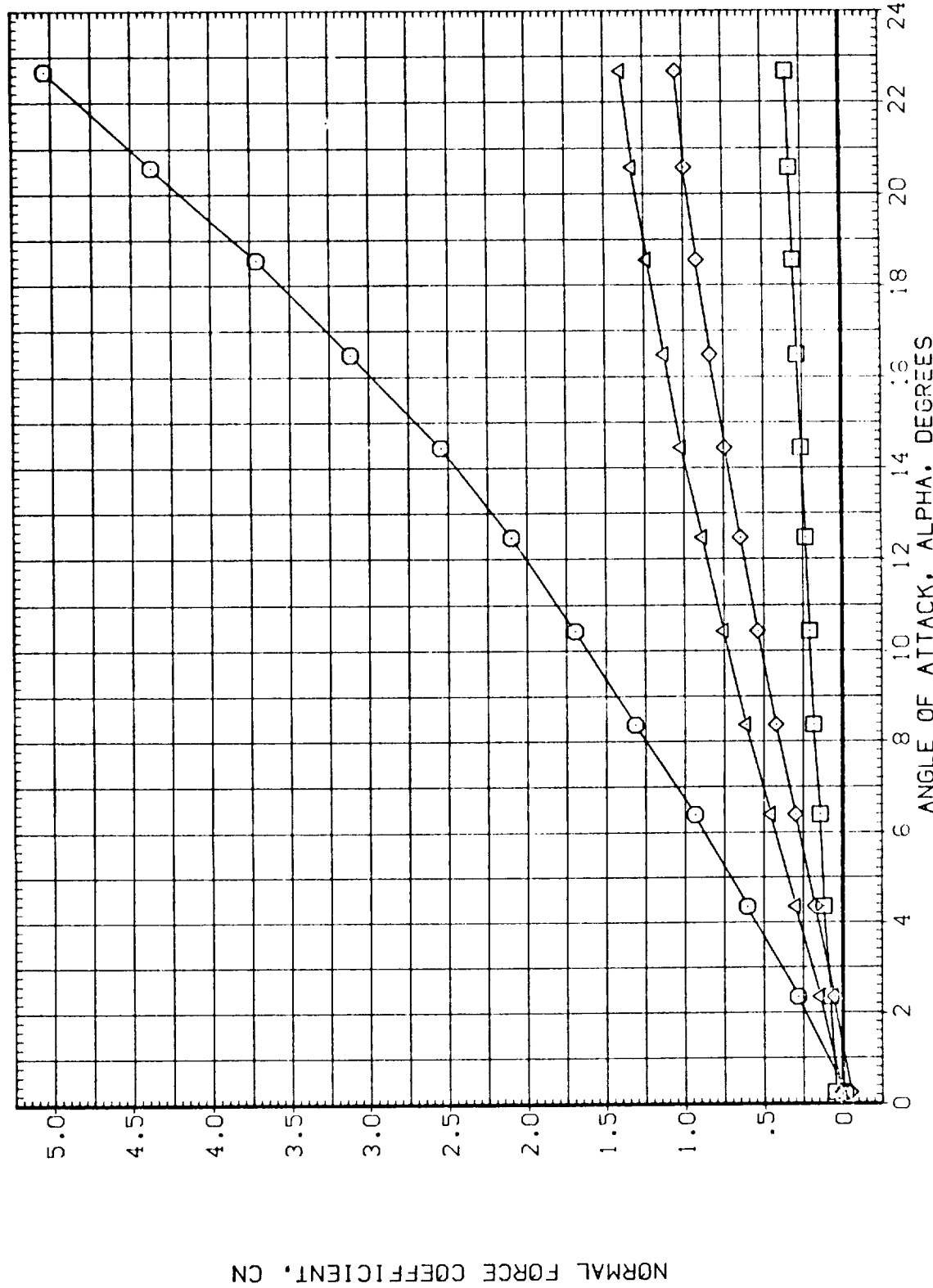


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	PARAMETRIC VALUES
CM	MACH .801 BETA .000
CMC	D1 .000 D3 .000
CMT	D2 5.000 D4 5.000
CMB	D1-3 .000 D2-4 5.000
	PHI-C .000 PHI-T .000

SYMBOL  
○ □ ◇ ▲

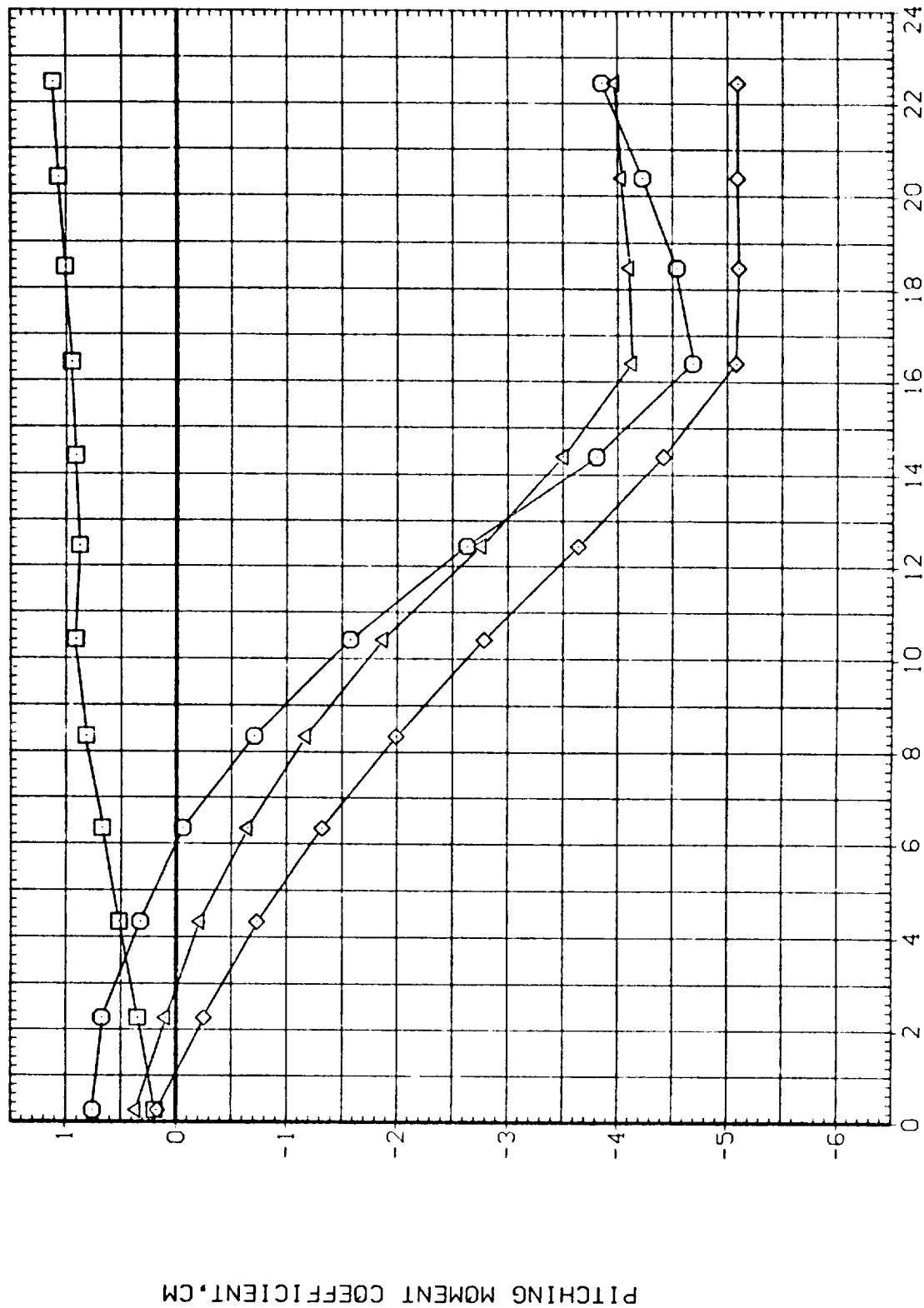


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ254)

CONFIGURATION 16 (BN3C7T1)

DATA		PARAMETRIC VALUES			
CM	MACH	1.307	BETA	.000	
CMC	D1	.000	D3	.000	
CMT	D2	5.000	D4	5.000	
CMB	D1-3	.000	D2-4	5.000	
	PHI-C	.000	PHI-T	.000	

SYMBOL
○
□
◇
△

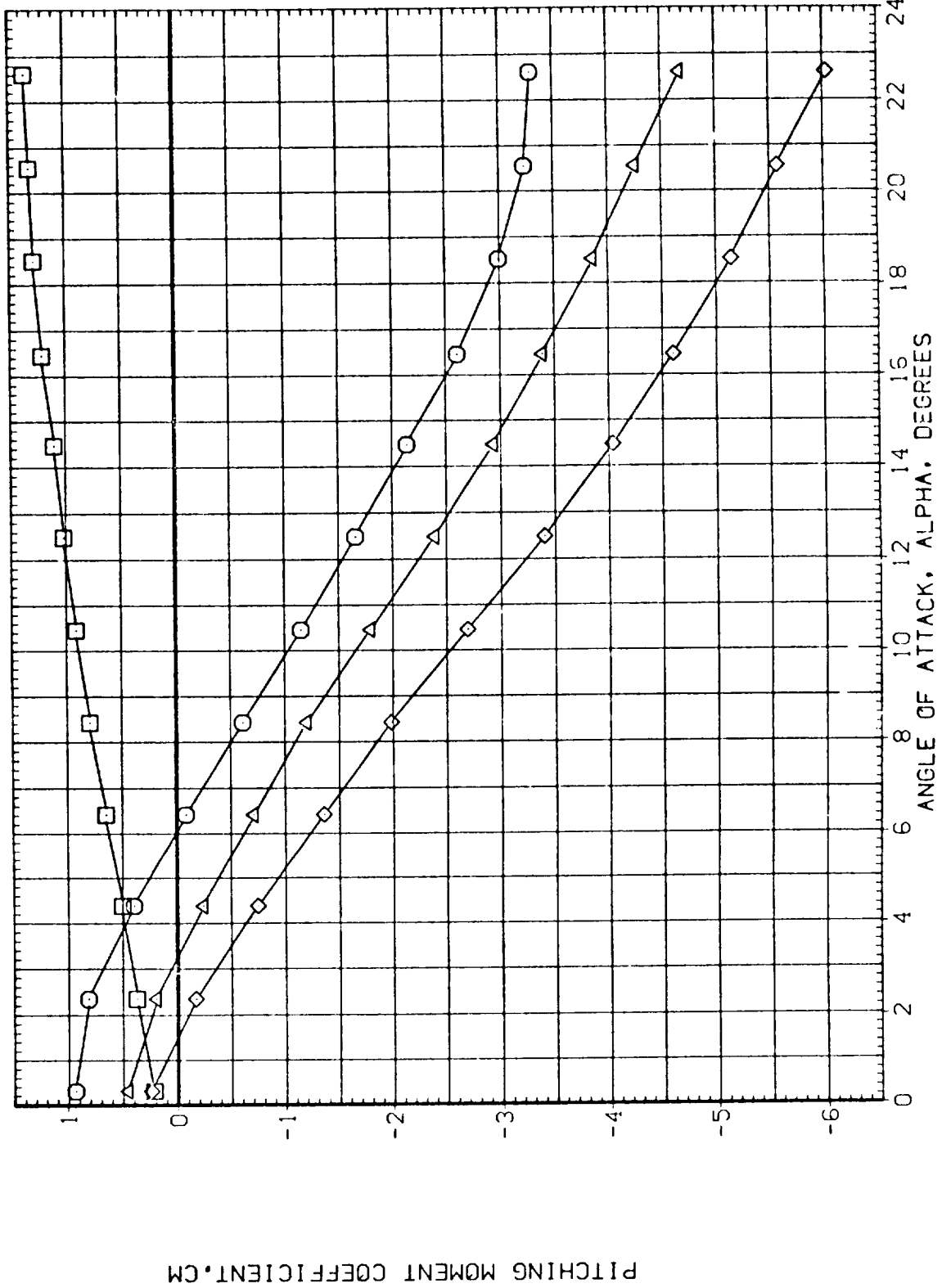


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	PARAMETRIC VALUES
CM	MACH 1.750
CMC	BETA .000
CMT	D1 .000
CMB	D2 5.000
	D3 .000
	D4 5.000
	D1-3 .000
	D2-4 5.000
	PHI-C .000
	PHI-T .000

SYMBOL	DATA
○	CM
□	CMC
◇	CMT
△	CMB

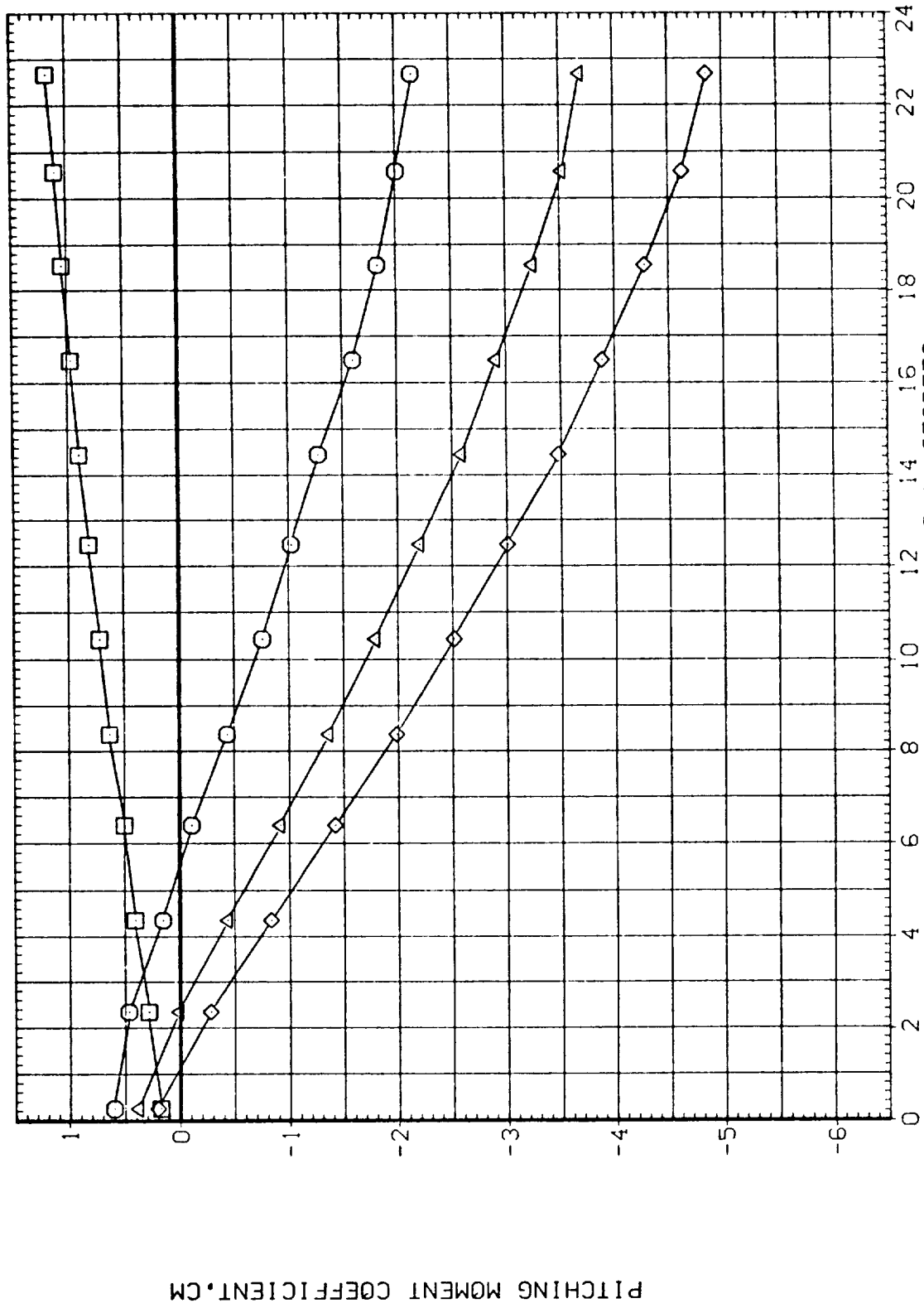


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS



(0EZ254)

CONFIGURATION 16 (BN3C7T1)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
O	CA	.801	BETA .000
		D1 .000	D3 .000
		D2 5.000	D4 5.000
		D1-3 .000	D2-4 5.000
		PHI-C .000	PHI-T .000

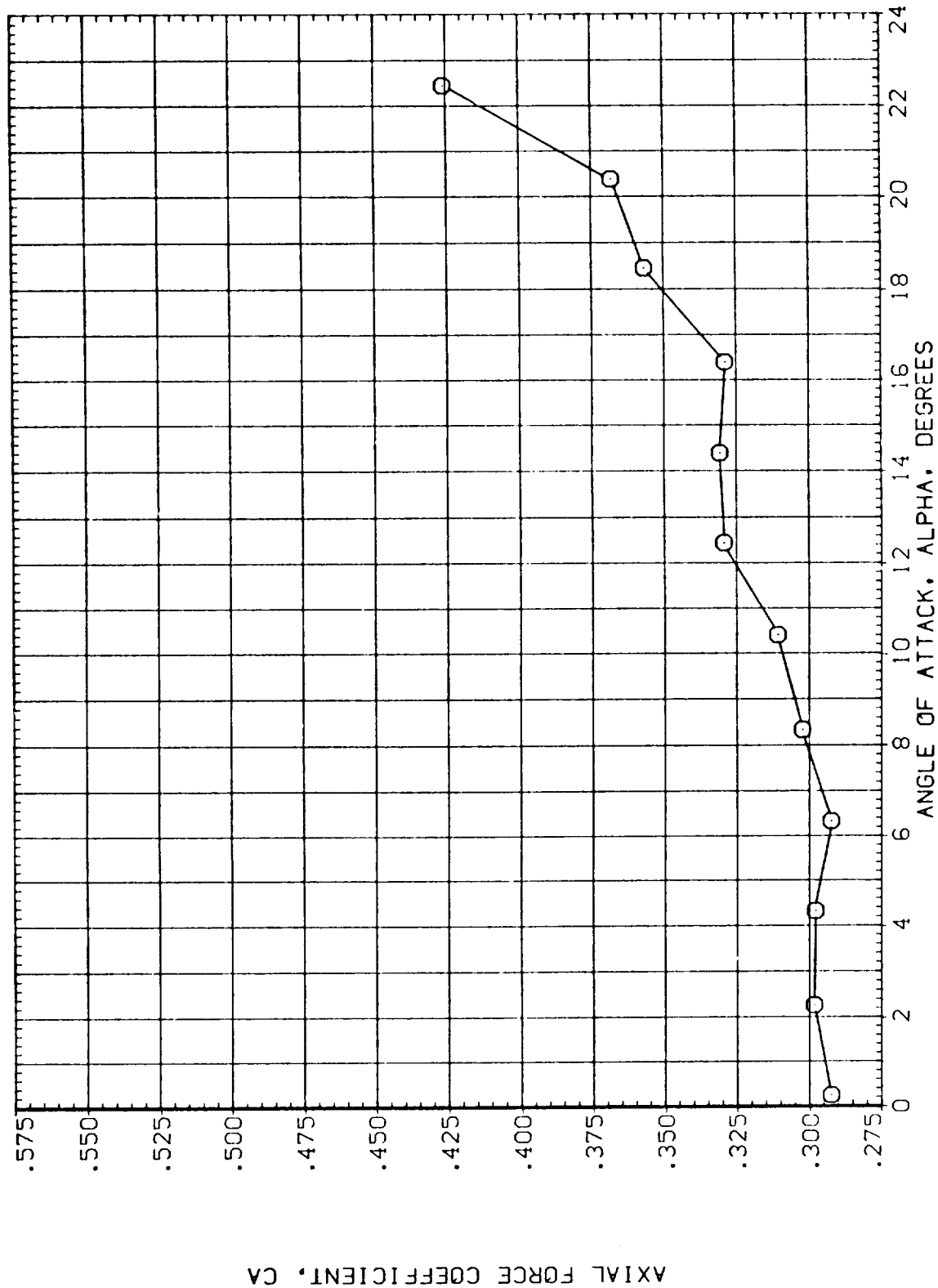


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL	DATA	MACH	PARAMETRIC VALUES
O	CA	1.307	BETA .000
		D1	.000 D3 .000
		D2	5.000 O4 5.000
		D1-3	.000 D2-4 5.000
		PHI-C	.000 PHI-T .000

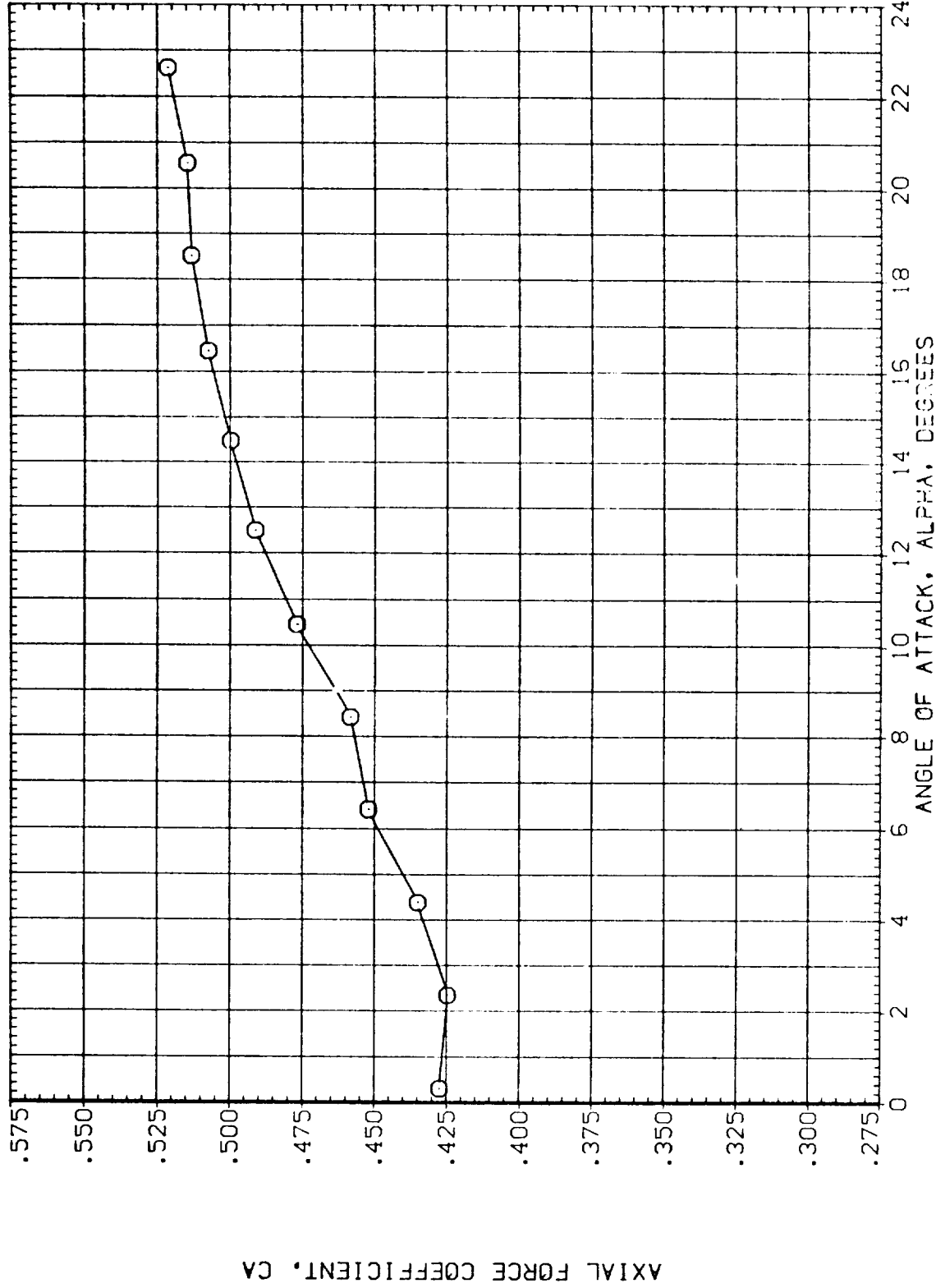


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(0EZ254)

CONFIGURATION 16 (BN3C7T1)

SYMBOL		DATA		PARAMETRIC VALUES			
O	CA	MACH	1.750	BETA	.000		
		D1	.000	D3	.000		
		D2	5.000	D4	5.000		
		D1-3	.000	D2-4	5.000		
		PHI-C	.000	PHI-T	.000		

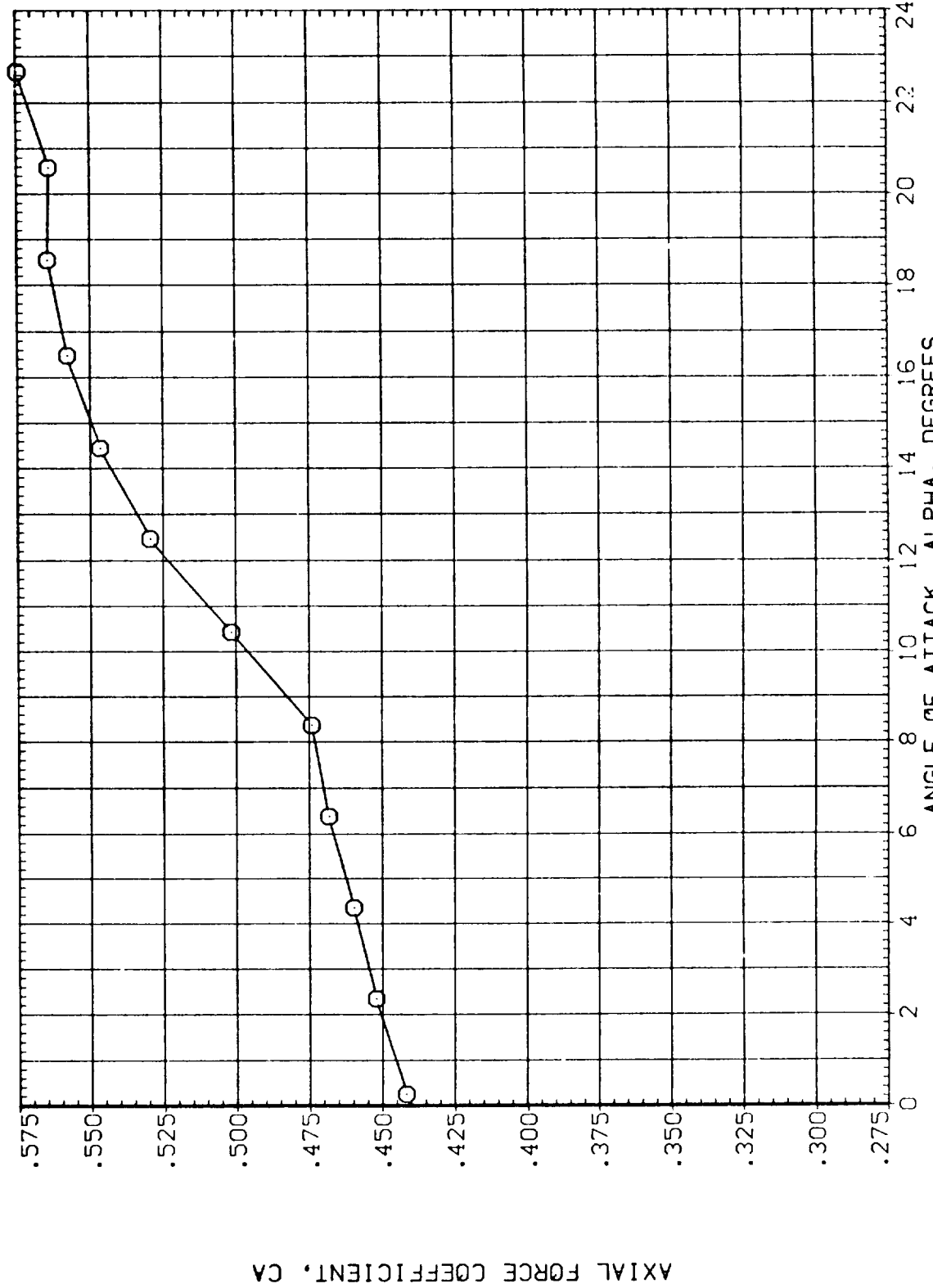


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL		DATA		PARAMETRIC VALUES				
○	CY	.801	BETA	.000				
□	CYC	.000	D3	.000				
◇	CYT	5.000	D4	5.000				
△	CYB	.000	D2-4	5.000				
		.000	PHI-C	.000	PHI-T			

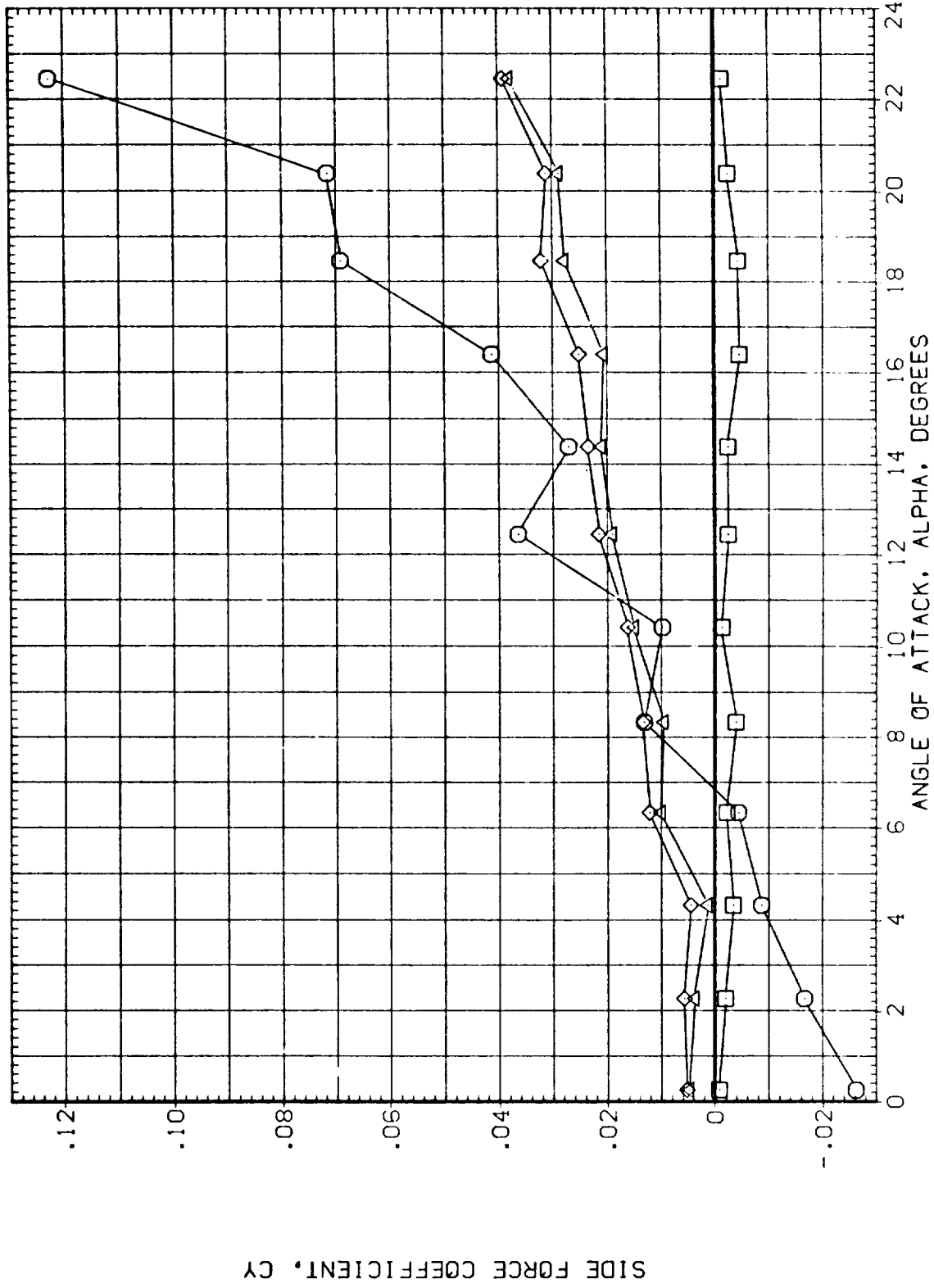


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ254)

CONFIGURATION 16 (BN3C7T1)

SYMBOL		DATA		PARAMETRIC VALUES				
○		CY	MACH	1.307	BETA	.000		
□		CYC	D1	.000	D3	.000		
◇		CYT	D2	5.000	D4	5.000		
△		CYB	D1-3	.000	D2-4	5.000		
			PHI-C	.000	PHI-T	.000		

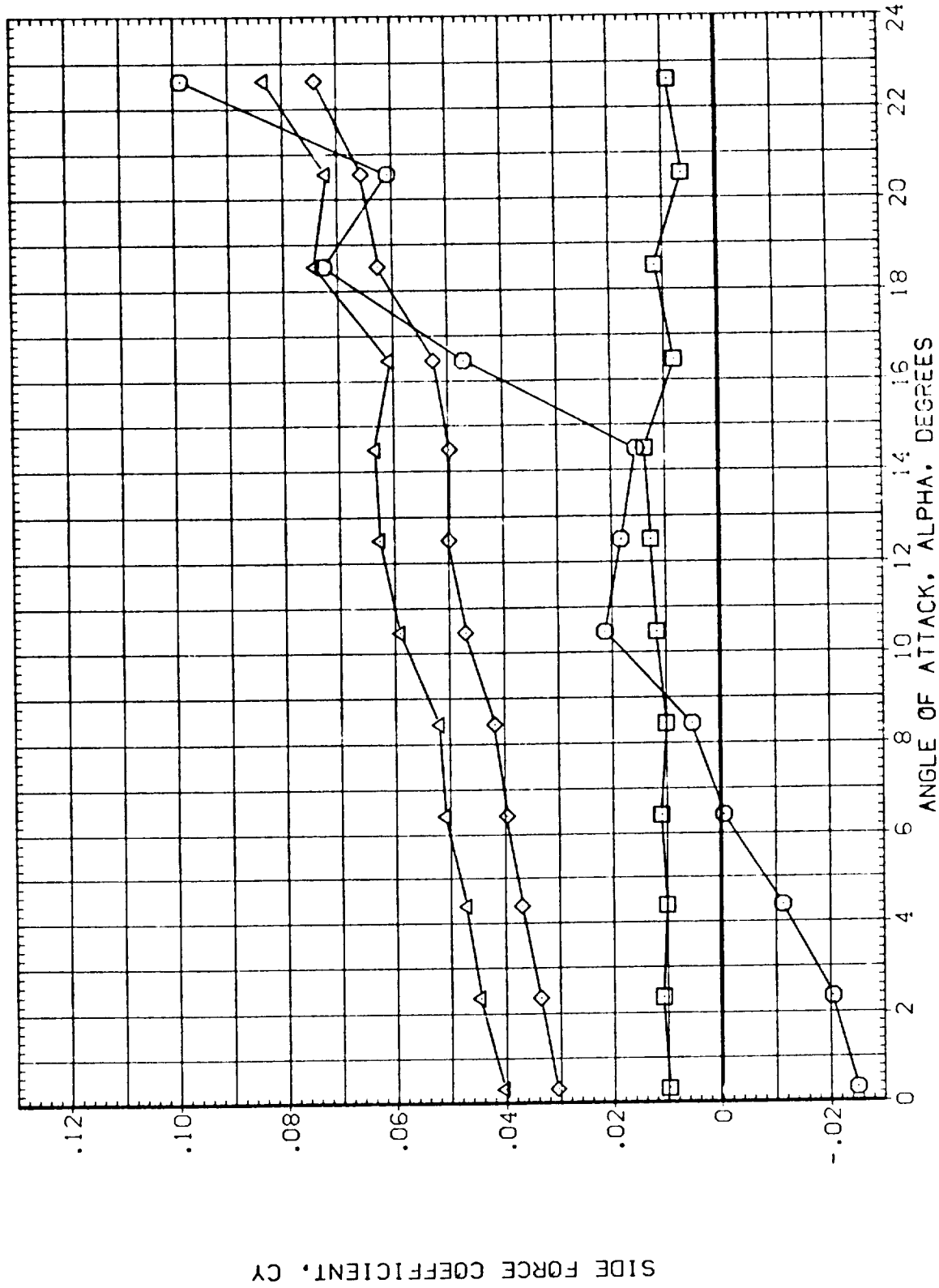


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	PARAMETRIC VALUES
CY	MACH 1.750 BETA .000
CYC	D1 .000 D3 .000
CYT	D2 5.000 D4 5.000
CYB	D1-3 .000 D2-4 5.000
	PHI-C .000 PHI-T .000

SYMBOL  
○ □ ◇ △

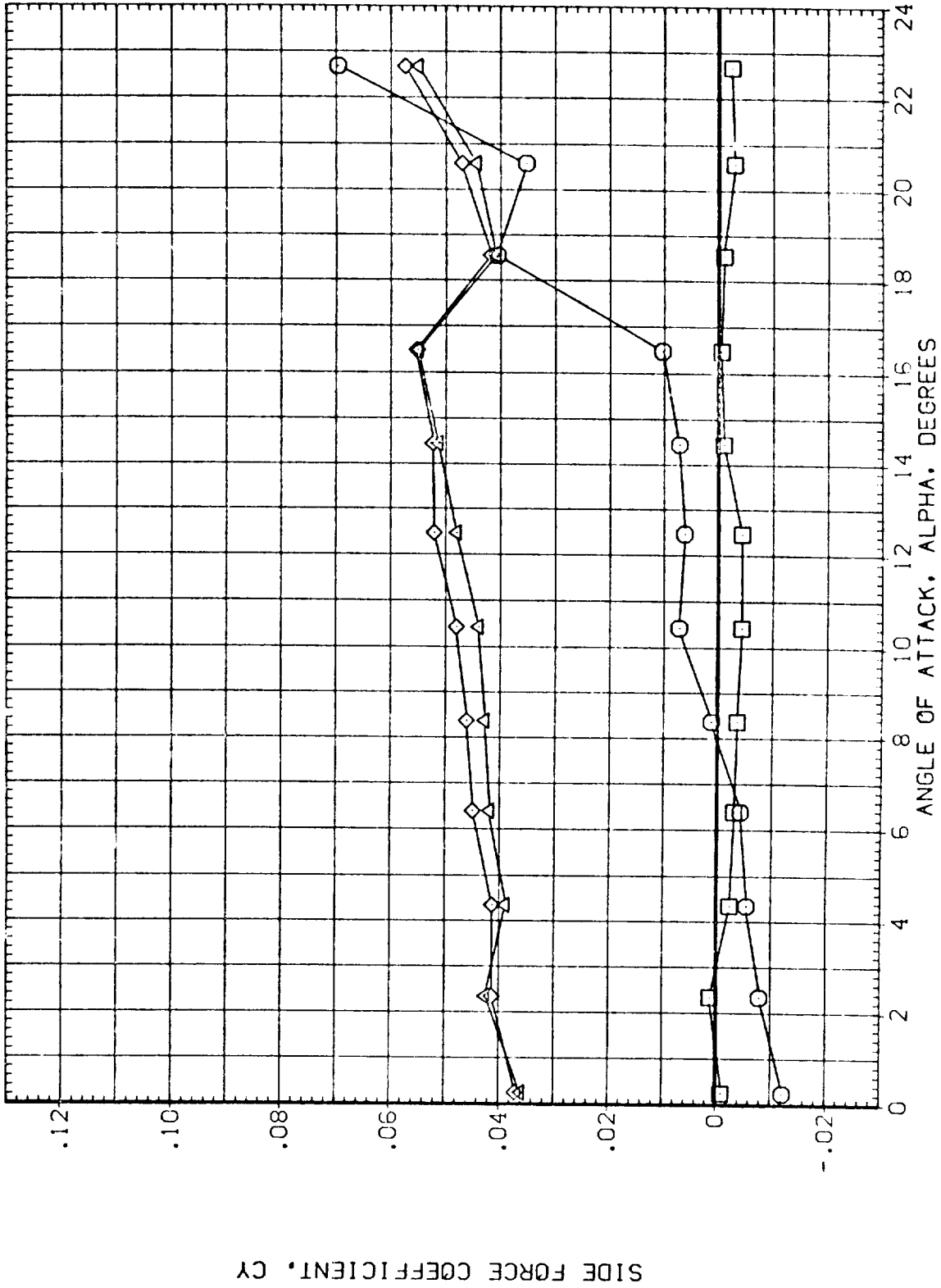


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ254)

CONFIGURATION 16 (BN3C7T1)

SYMBOL		DATA		PARAMETRIC VALUES	
○	CYM	MACH	BETA	.801	.000
□	CYMC	D1	D3	.000	.000
◇	CYMT	D2	D4	5.000	5.000
△	CYMB	D1-3	D2-4	.000	5.000
		PHI-C	PHI-T	.000	.000

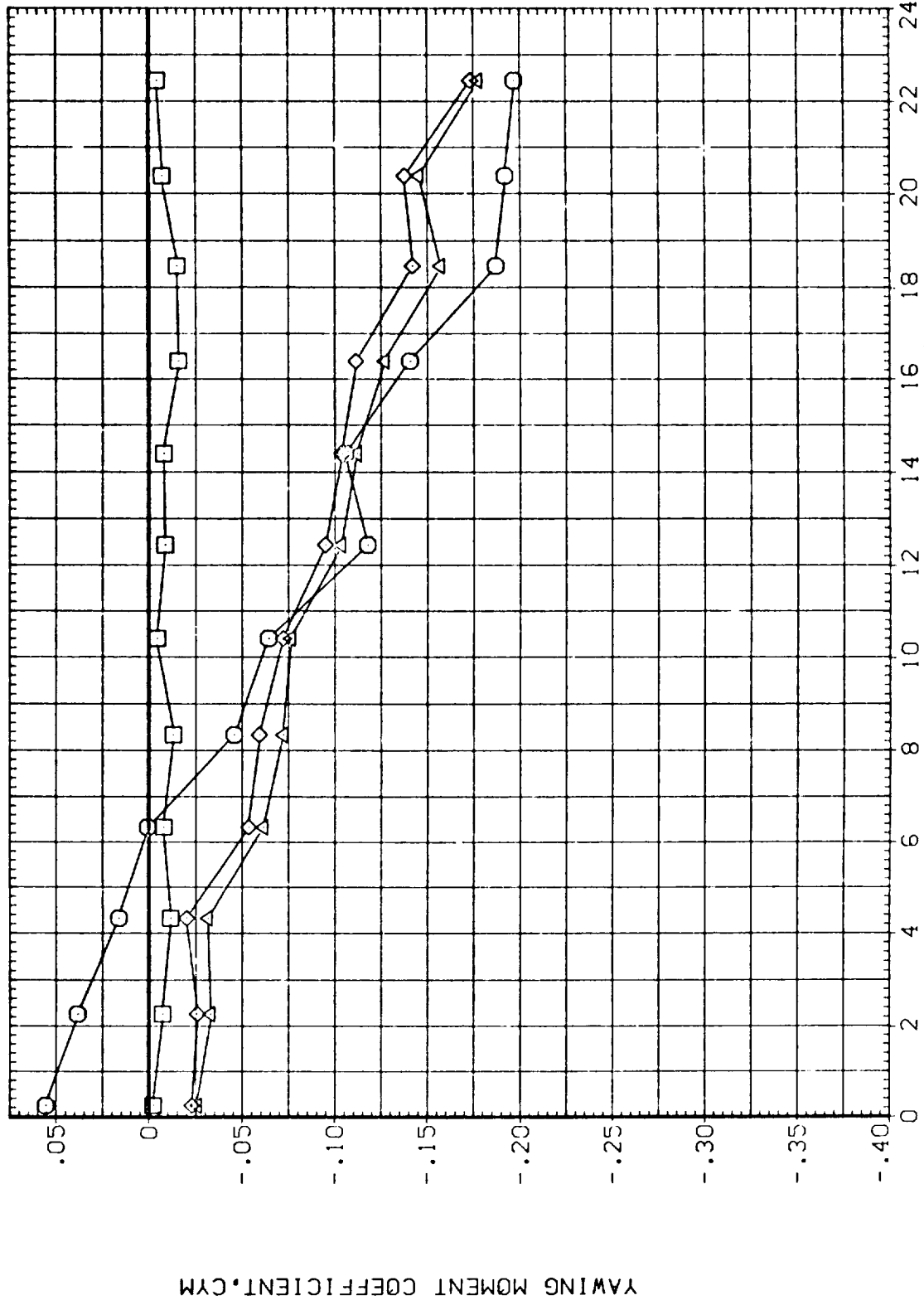


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	PARAMETRIC VALUES
CYM	MACH 1.307 BETA .000
CYMC	D1 .000 D3 .000
CYMT	D2 5.000 D4 5.000
CYMB	D1-3 .000 D2-4 5.000
	PHI-C .000 PHI-T .000

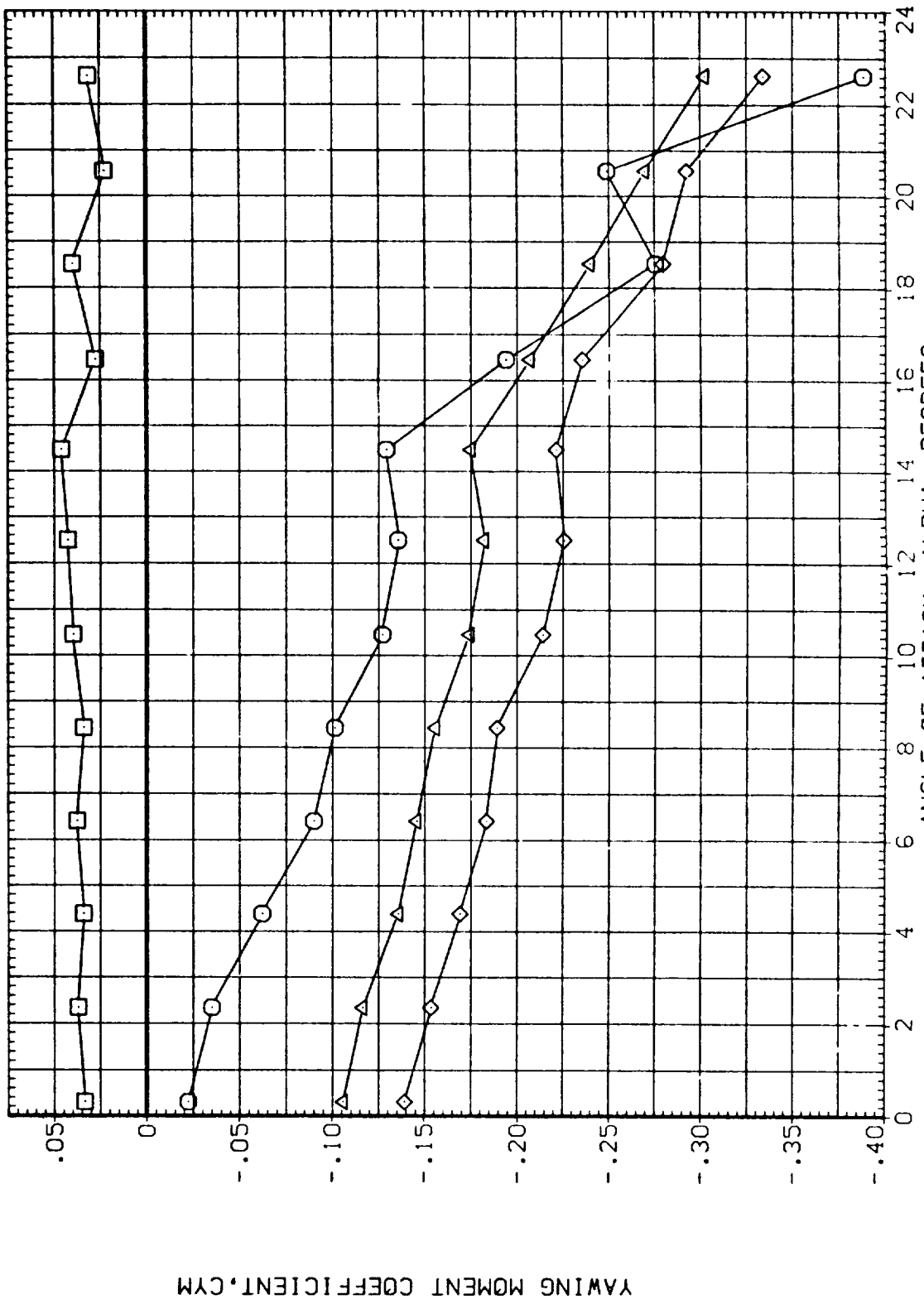


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS



CONFIGURATION 16 (BN3C7T1)

(MEZ254)

DATA		PARAMETRIC VALUES			
CYM	MACH	1.750	BETA	.000	
CYMC	D1	.000	D3	.000	
CYMT	D2	5.000	D4	5.000	
CYMB	D1-3	.000	D2-4	5.000	
	PHI-C	.000	PHI-T	.000	

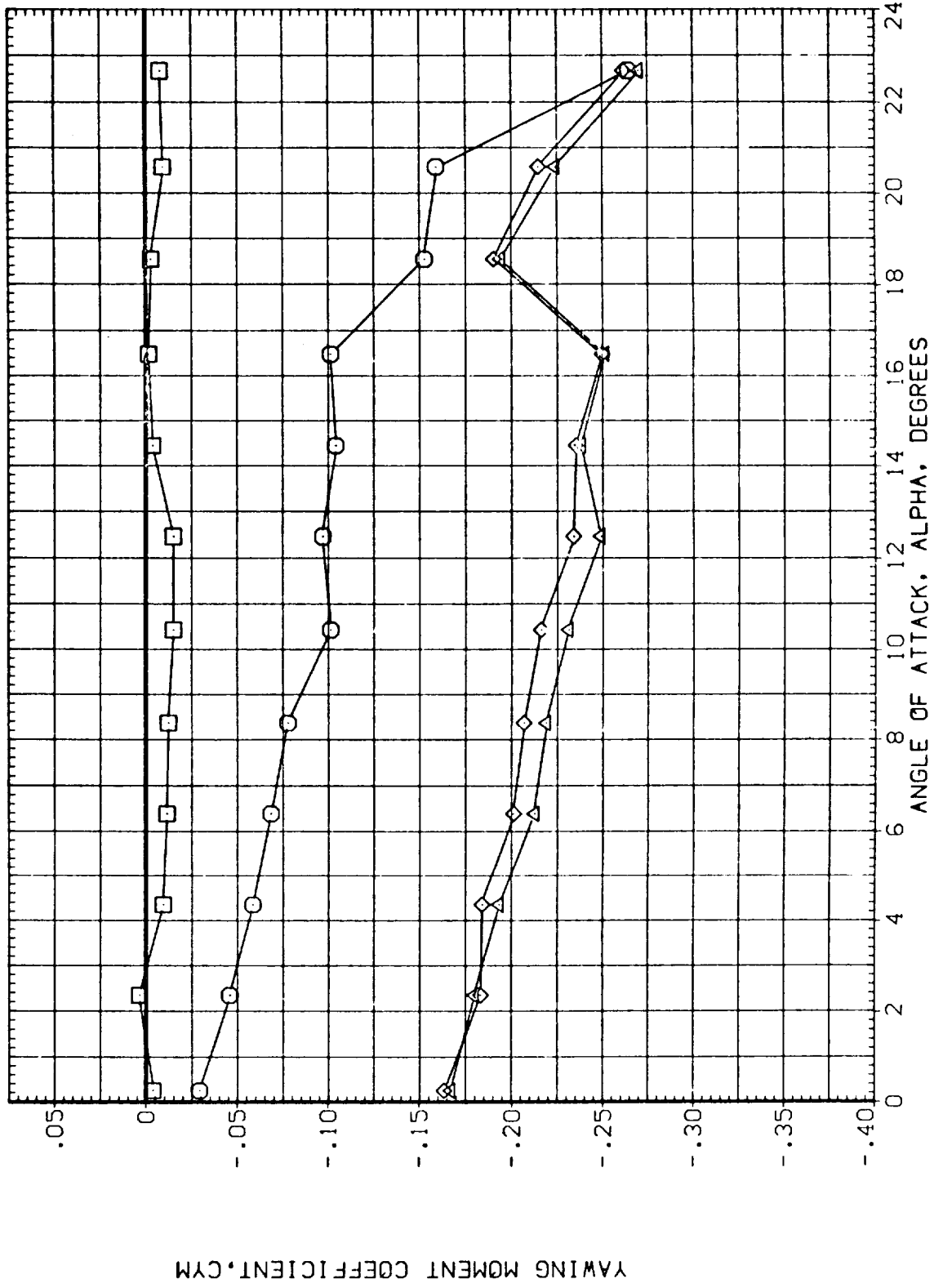


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CRM	.801	BETA .000
□	CRM	.000	D3 .000
◇	CRM	5.000	D4 5.000
△	CRM	.000	D2-4 5.000
	CRM	.000	PHI-T .000

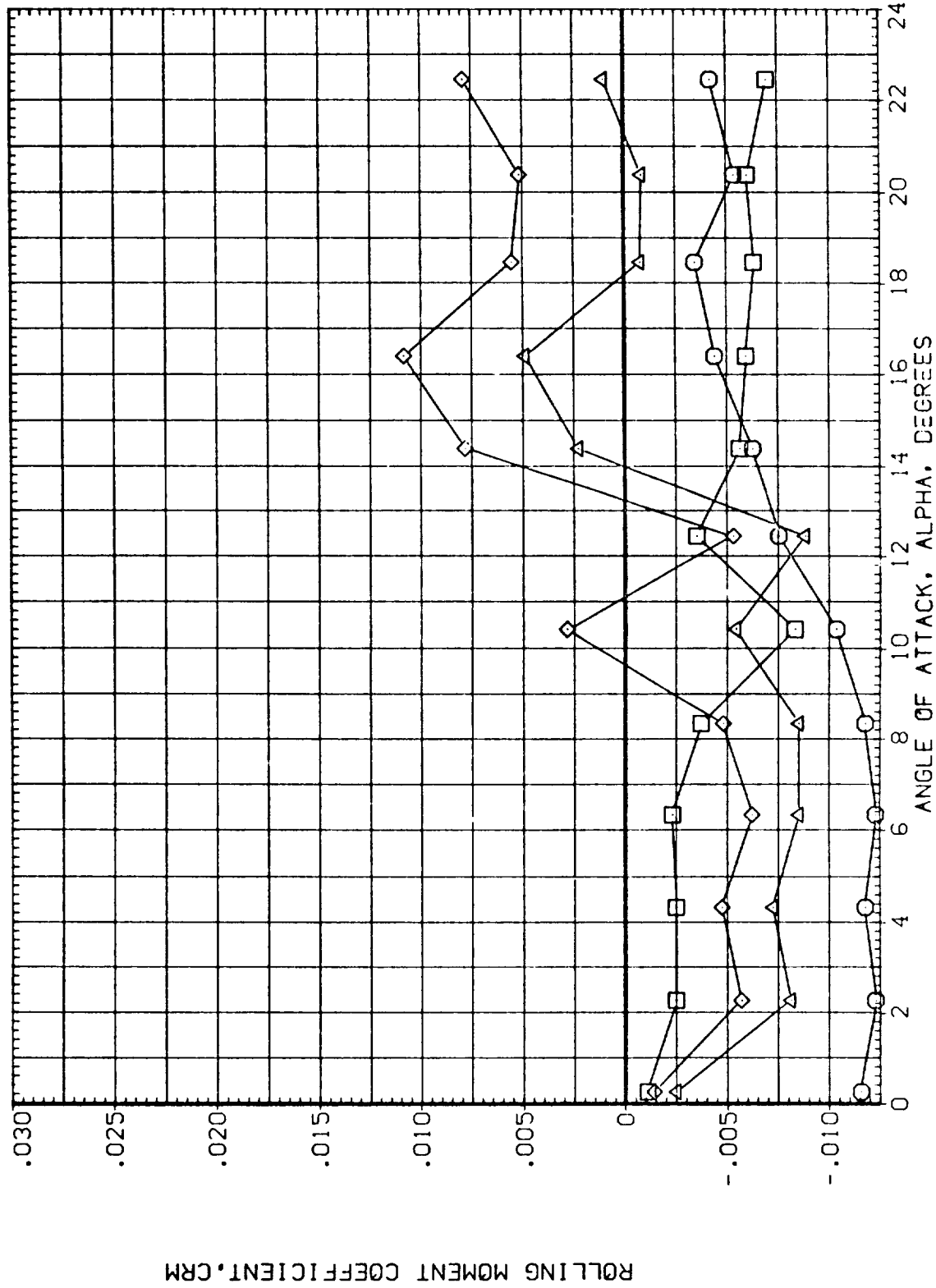


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ254)

CONFIGURATION 16 (BN3C7T1)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CRM	1.307	BETA .000
□	CRM'	.000	D3 .000
◇	CRM	5.000	D4 5.000
△	CRM'	.000	D2-4 5.000
		PHI-C	PHI-T .000

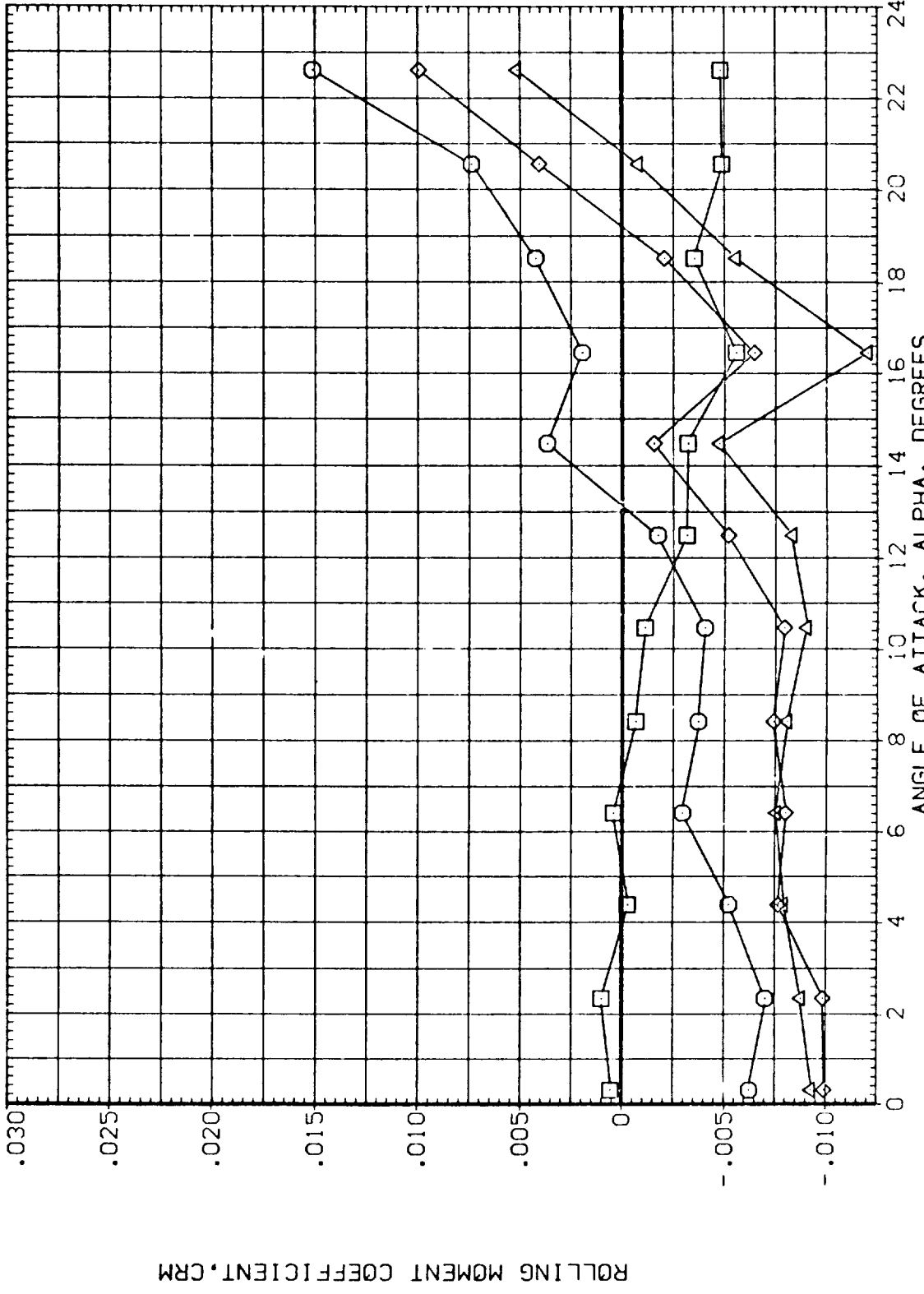


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	MACH	PARAMETRIC VALUES	
CRM	01	1.750	BETA .000
CRMC	02	.000	D3 .000
CRMT	03	5.000	D4 5.000
CRMB	04	.000	D2-4 5.000
	05	.000	PHI-T .000

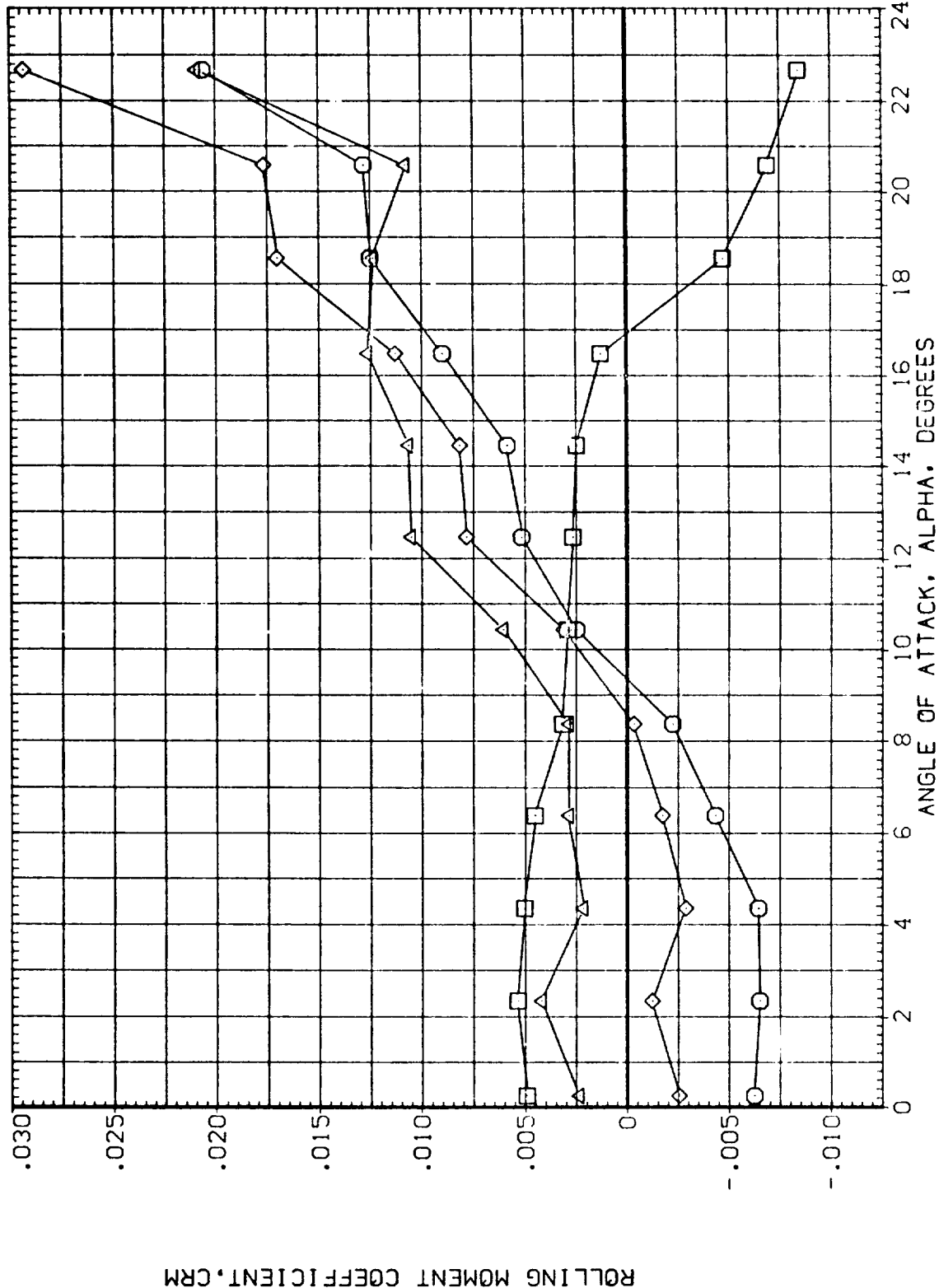


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ255)

CONFIGURATION 16 (BN3C7T1)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CN	.801	BETA .000
□	CNC	D1 .000	D3 .000
◇	CNT	D2 10.000	D4 10.000
△	CNB	D1-3 .000	D2-4 10.000
		PHI-C .000	PHI-T .000

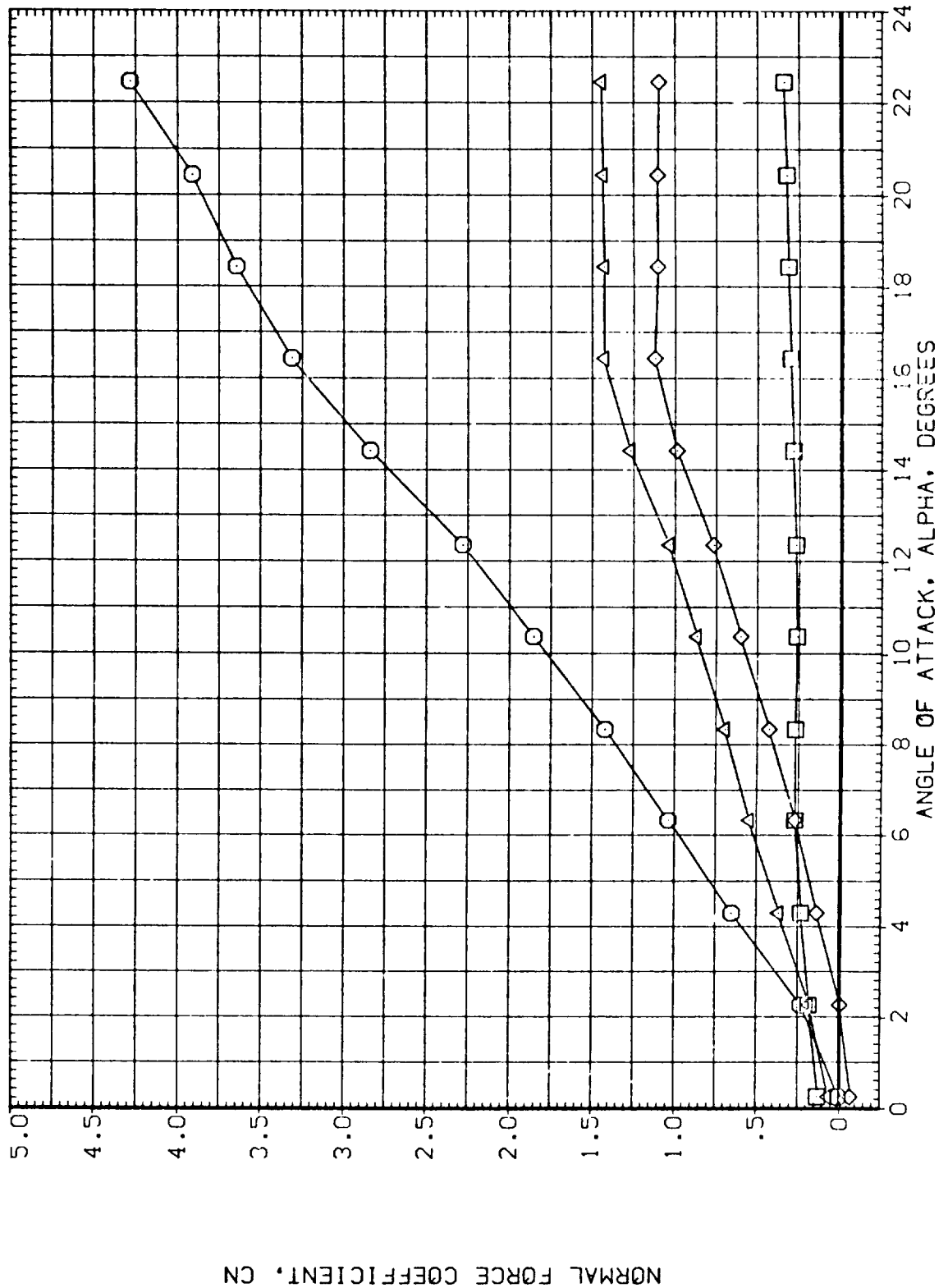


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL		PARAMETRIC VALUES			
○	CN	MACH	BETA	.000	
□	CNC	D1	D3	.000	
◇	CNT	D2	D4	10.000	
△	CNB	D1-3	D2-4	10.000	
		PHI-C	PHI-T	.000	

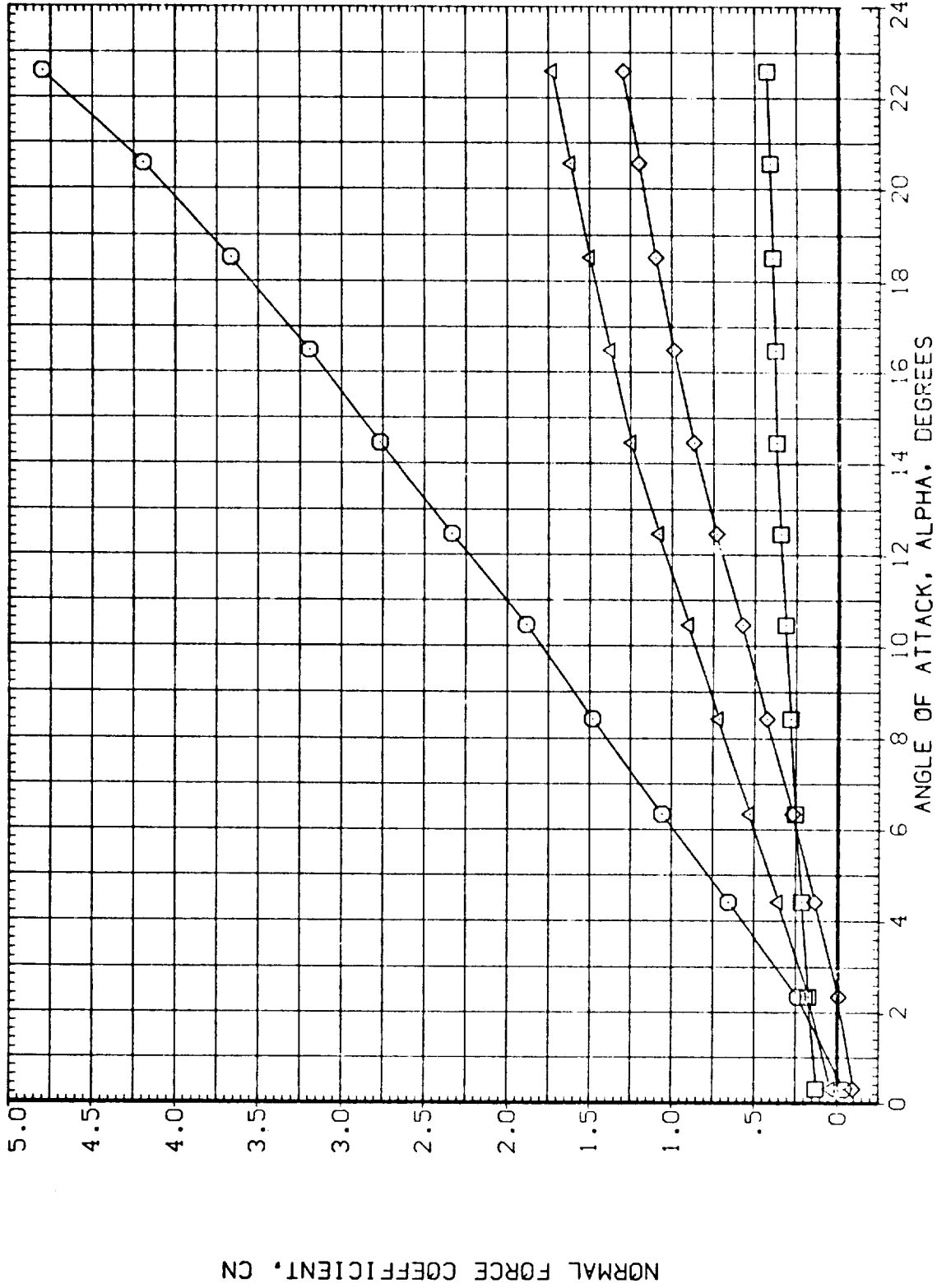


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ255)

CONFIGURATION 16 (BN3C7T1)

SYMBOL	DATA	PARAMETRIC VALUES
○	CN	MACH 1.754
□	CNC	BETA .000
◇	CNT	D1 .000
△	CNB	D2 10.000
		D3 .000
		D4 10.000
		D1-3 .000
		D2-4 10.000
		PHI-C .000
		PHI-T .000

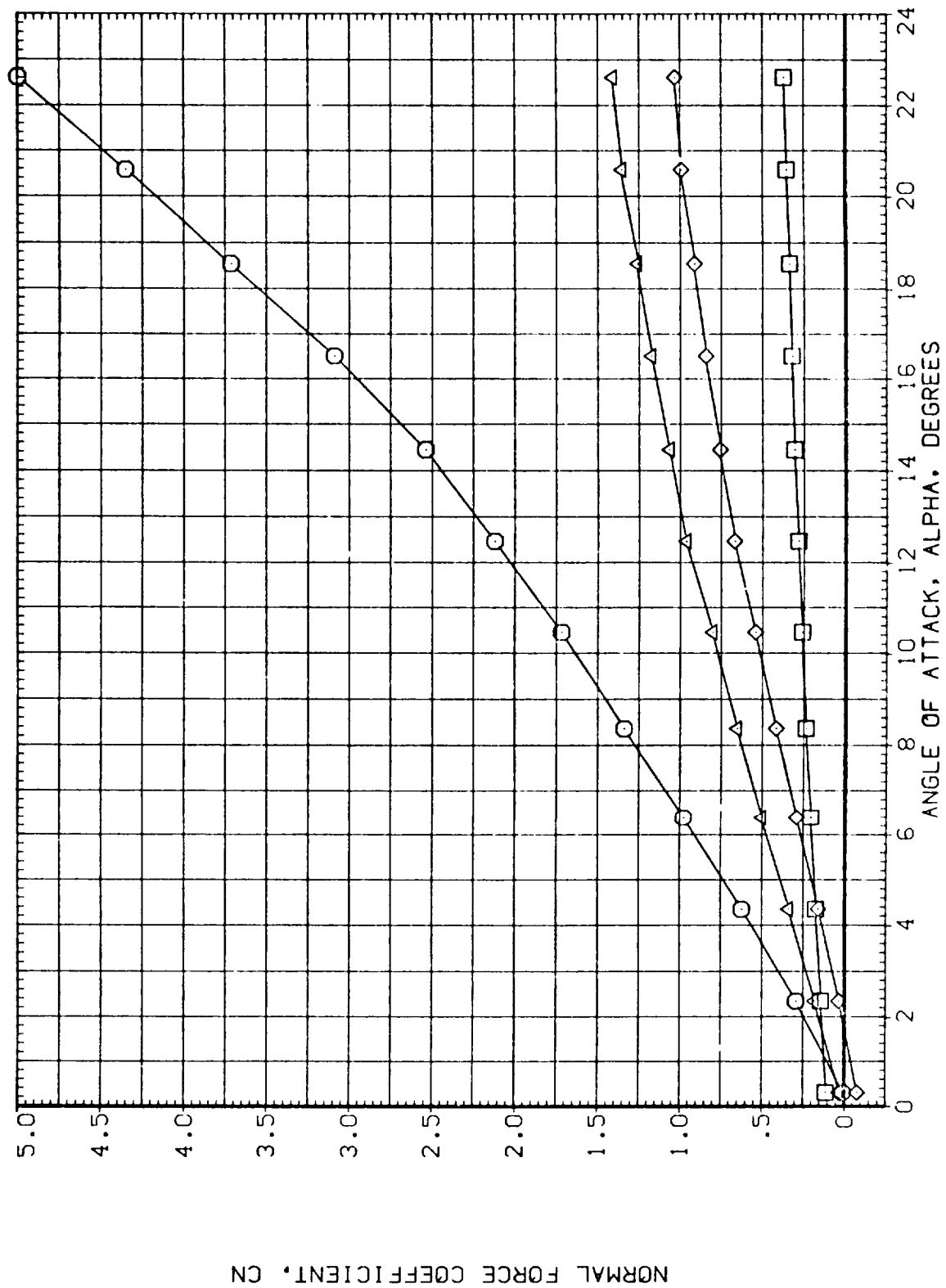


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	PARAMETRIC VALUES
CM	.801
CMC	.000
CMT	10.000
CMB	.000
MACH	.000
D1	.000
D2	10.000
D1-3	.000
PHI-C	.000
BETA	.000
D3	.000
D4	10.000
D2-4	10.000
PHI-T	.000

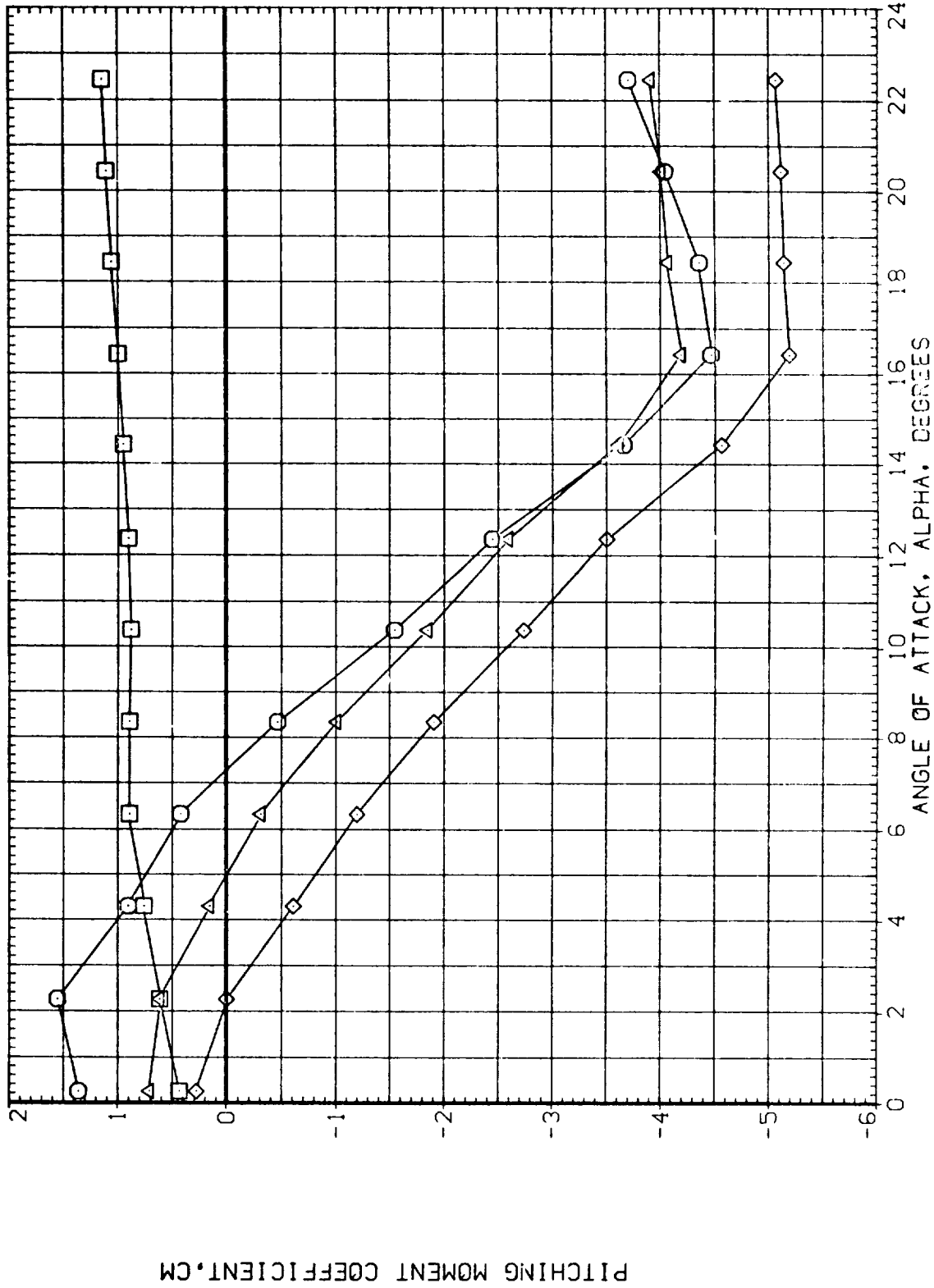


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS



(LEZ255)

CONFIGURATION 16 (BN3C7T1)

SYMBOL		PARAMETRIC VALUES			
○	CM	MACH	BETA	.000	
□	CMC	D1	D3	.000	
◇	CMT	D2	D4	10.000	
△	CMB	D1-3	D2-4	10.000	
		PHI-C	PHI-T	.000	

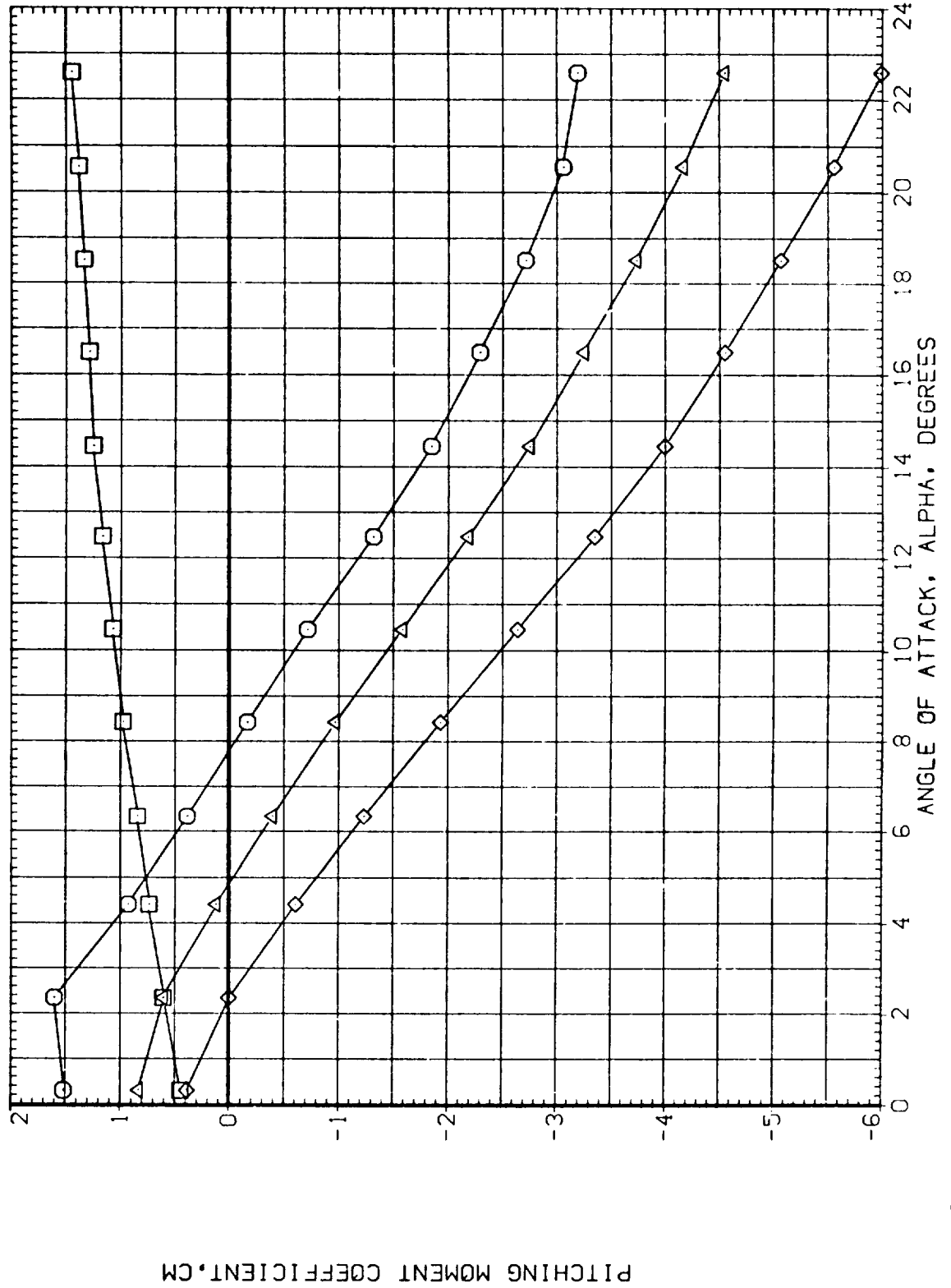


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA		PARAMETRIC VALUES			
CM	MACH	1.754	BETA	.000	
CMC	D1	.000	D3	.000	
CMT	D2	10.000	D4	10.000	
CHB	D1-3	.000	D2-4	10.000	
	PHI-C	.000	PHI-T	.000	

SYMBOL  
○ □ ◇ △

PITCHING MOMENT COEFFICIENT, CM

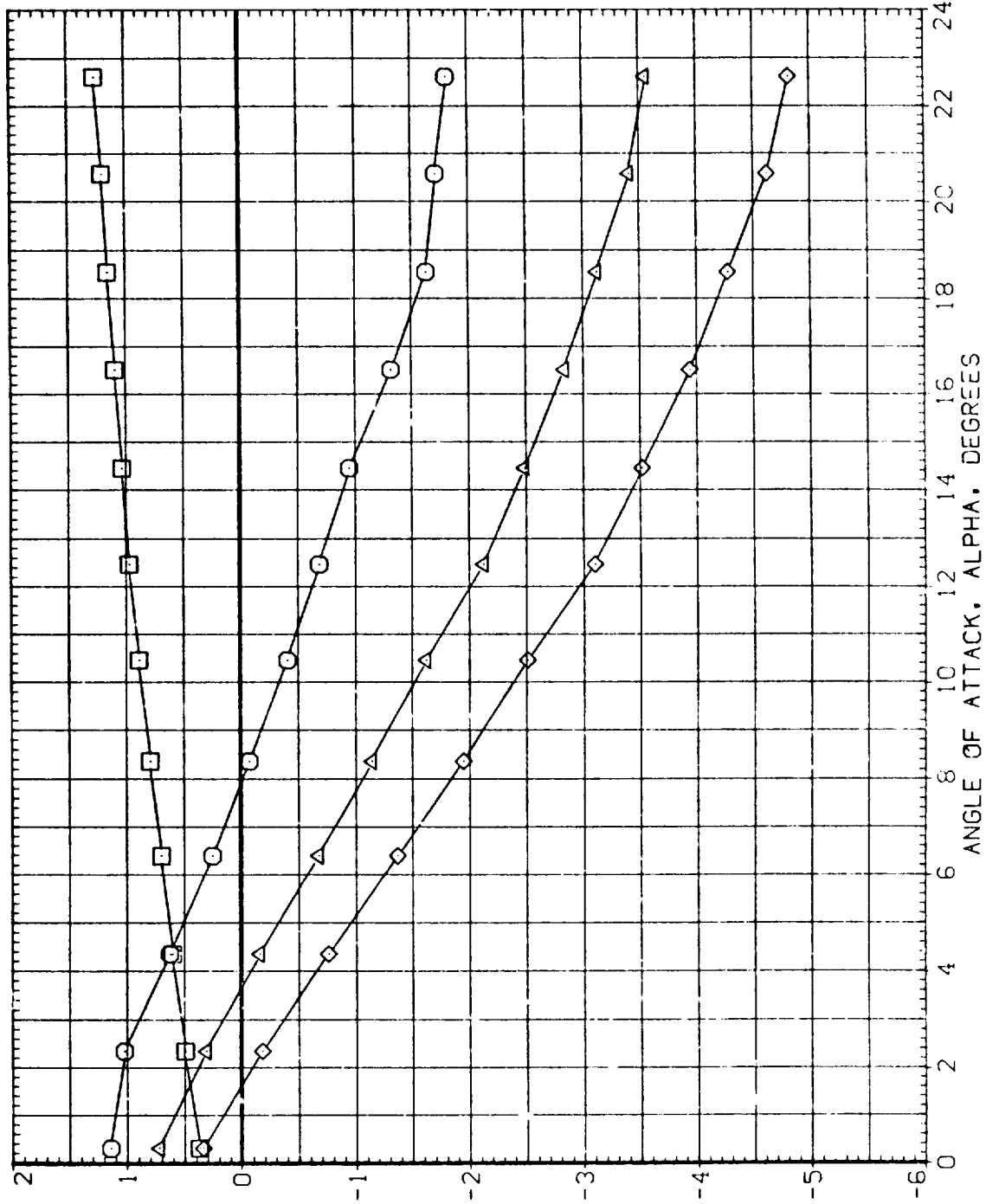


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 16 (BN3C7T1)

(0EZ255)

SYMBOL	DATA	PARAMETRIC VALUES
○	CA	
	MACH	.801 BETA .000
	D1	.000 D3 .000
	D2	10.000 D4 10.000
	L1-3	.000 D2-4 10.000
	PHI-C	.000 PHI-T .000

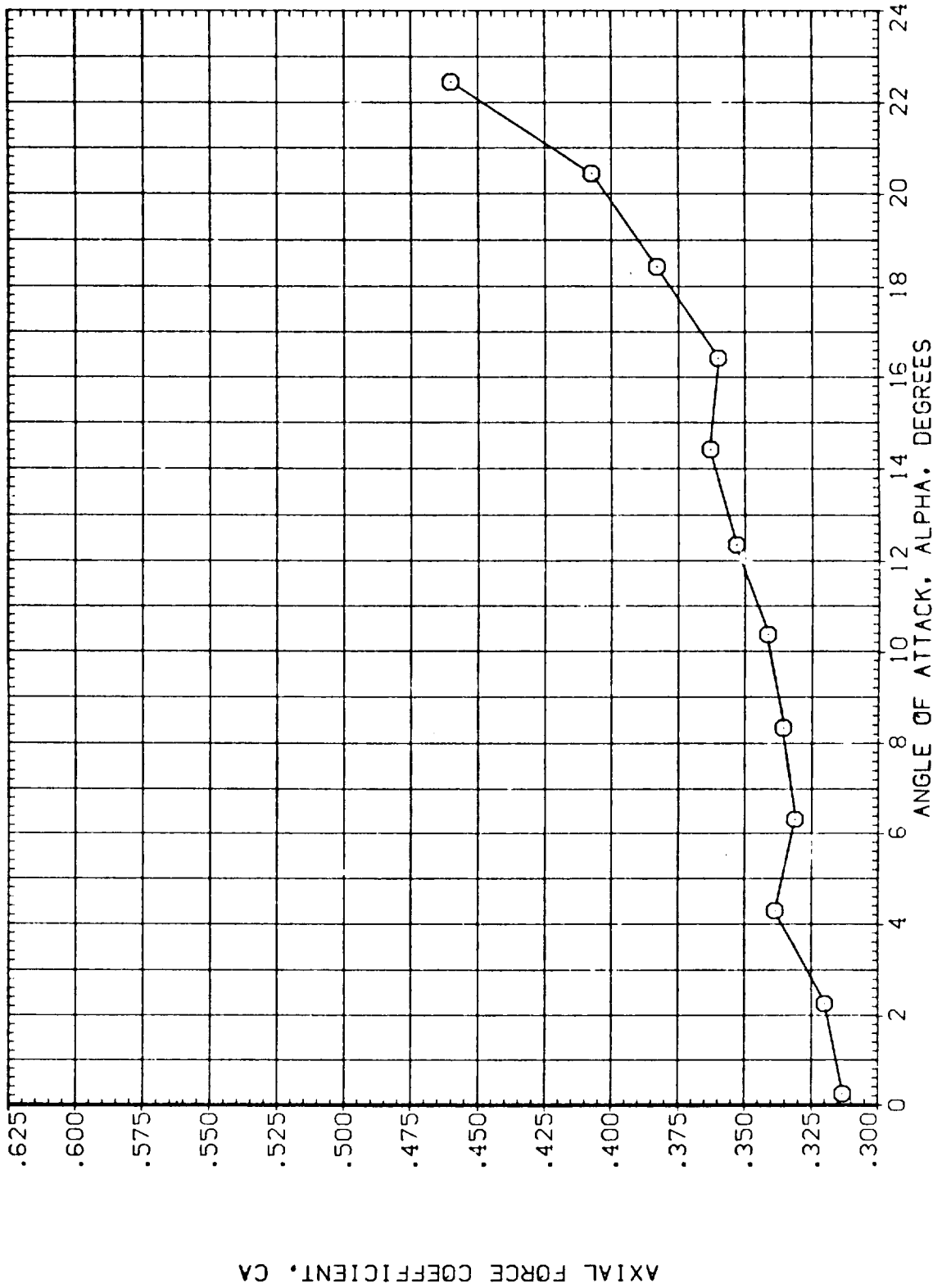


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 16 (BN3C7T1)

SYMBOL	DATA	MACH	PARAMETRIC VALUES		
	CA	1.307	BETA	.000	
		D1	.000	D3	.000
		D2	10.000	D4	10.000
		D1-3	.000	D2-4	10.000
		PHI-C	.000	PHI-T	.000

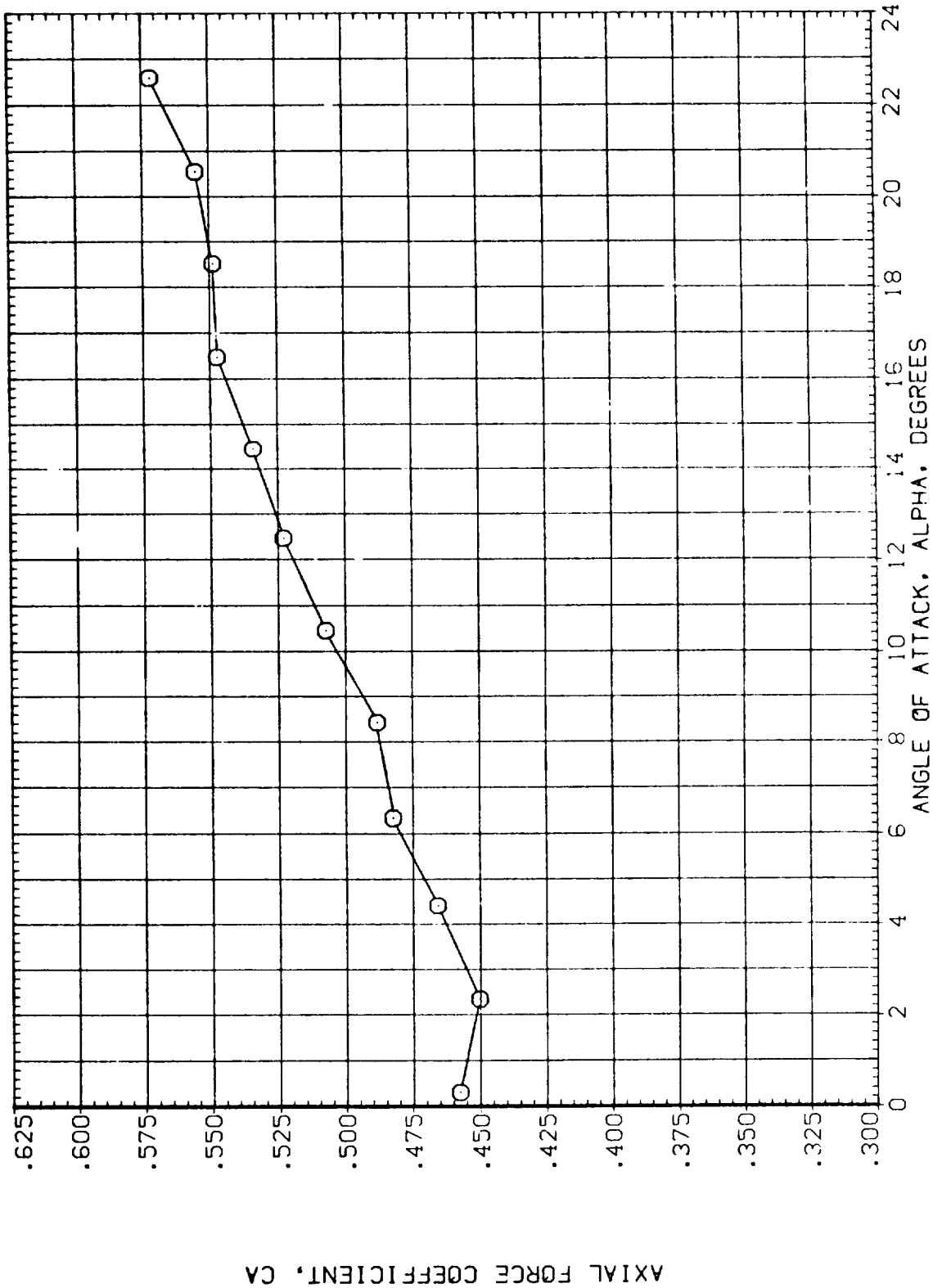


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(0EZ255)

CONFIGURATION 16 (BN3C7T1)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
O	CA	1.754	BETA .000
		D1 .000	D3 .000
		D2 10.000	D4 10.000
		D1-3 .000	D2-4 10.000
		PHI-C .000	PHI-T .000

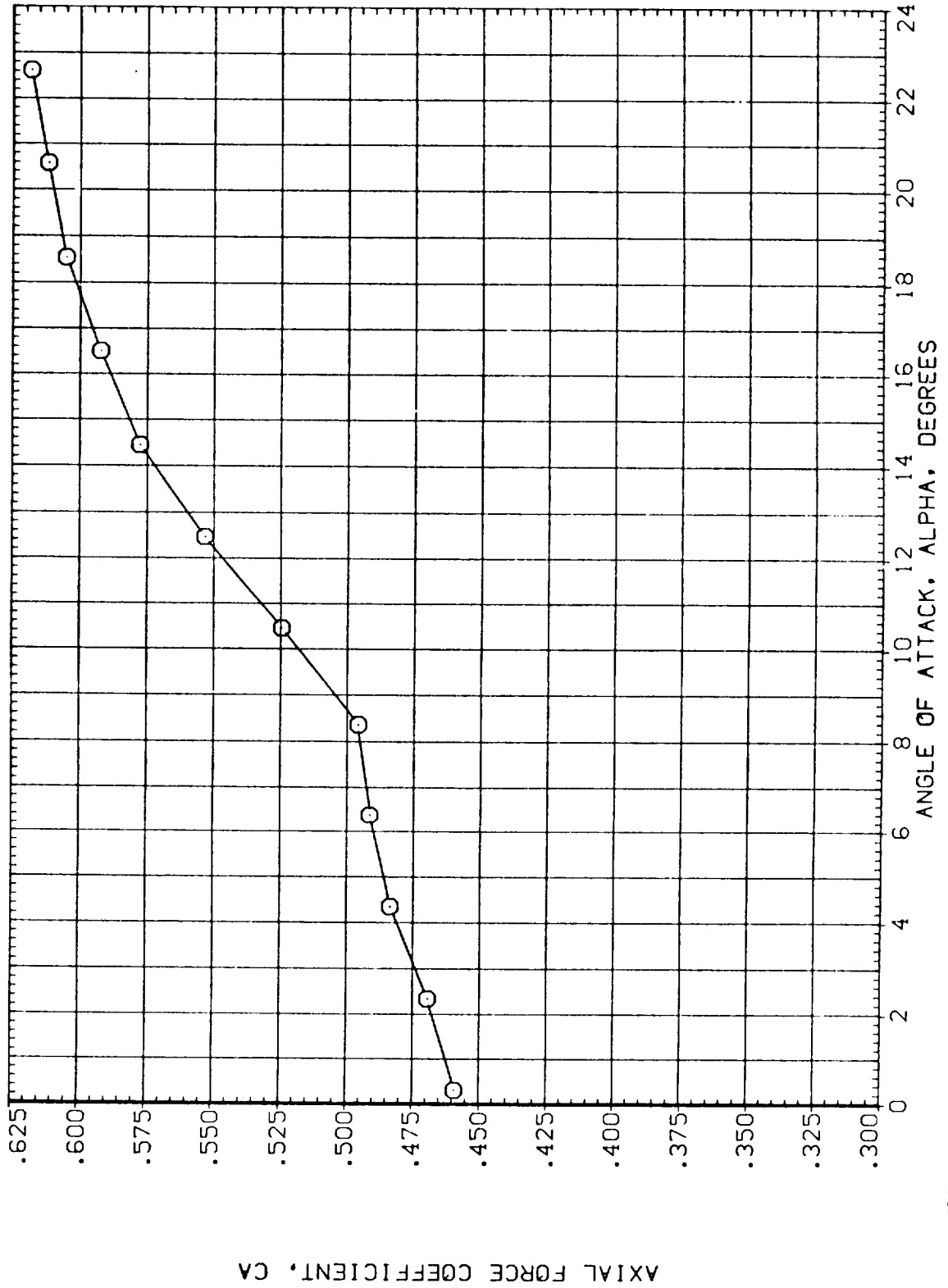


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	PARAMETRIC VALUES
CY	.801
CYC	.000
CYT	10.000
CYB	.000
MACH	BETA
D1	D3
D2	D4
U1-3	D2-4
PHI-C	PHI-T
	.000
	.000
	10.000
	10.000
	.000

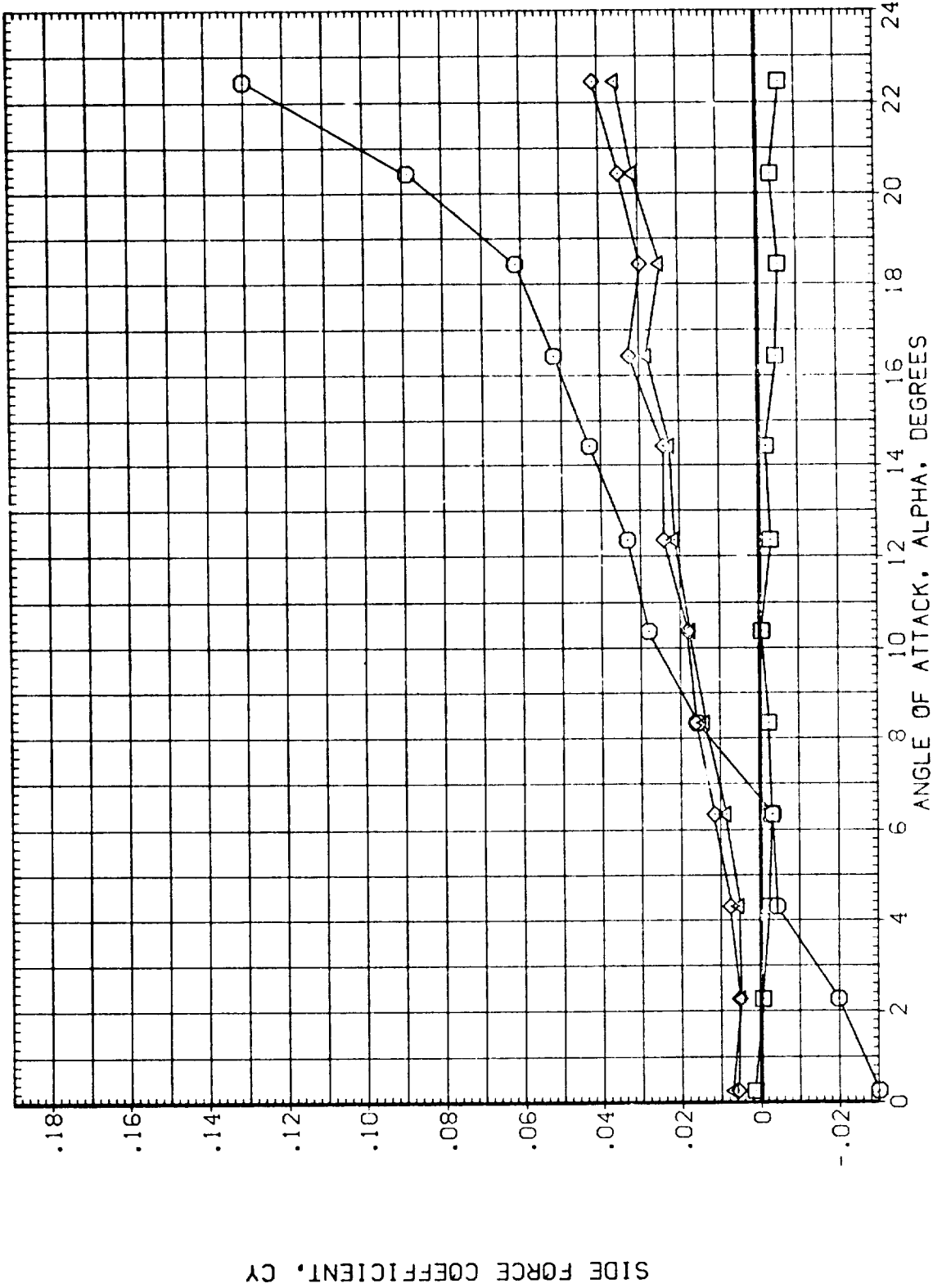


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS



CONFIGURATION 16 (BN3C7T1)

DATA	MACH	PARAMETRIC VALUES
CY	D1	1.754 BETA .000
CYC	D2	.000 D3 .000
CYT	D1-3	10.000 D4 10.000
CYB	PHI-C	.000 D2-4 10.000
		PHI-T .000

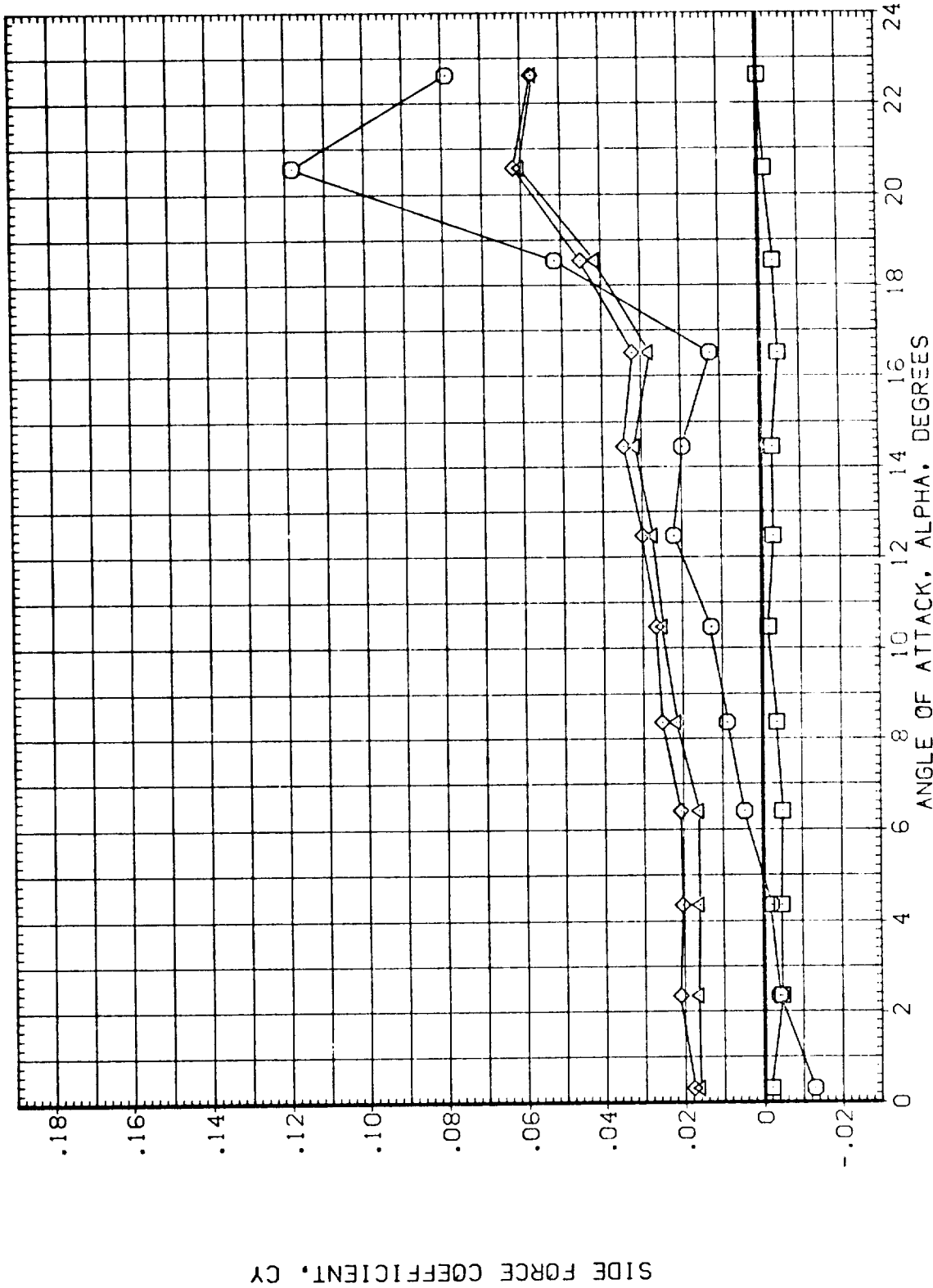


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS





DATA	PARAMETRIC VALUES
CYM	1.307
CYMC	.000
CYMT	10.000
CYMB	.000
MACH	BETA
D1	D3
D2	D4
D1-3	D2-4
PHI-C	PHI-T
	.000
	.000
	10.000
	10.000
	.000
	.000

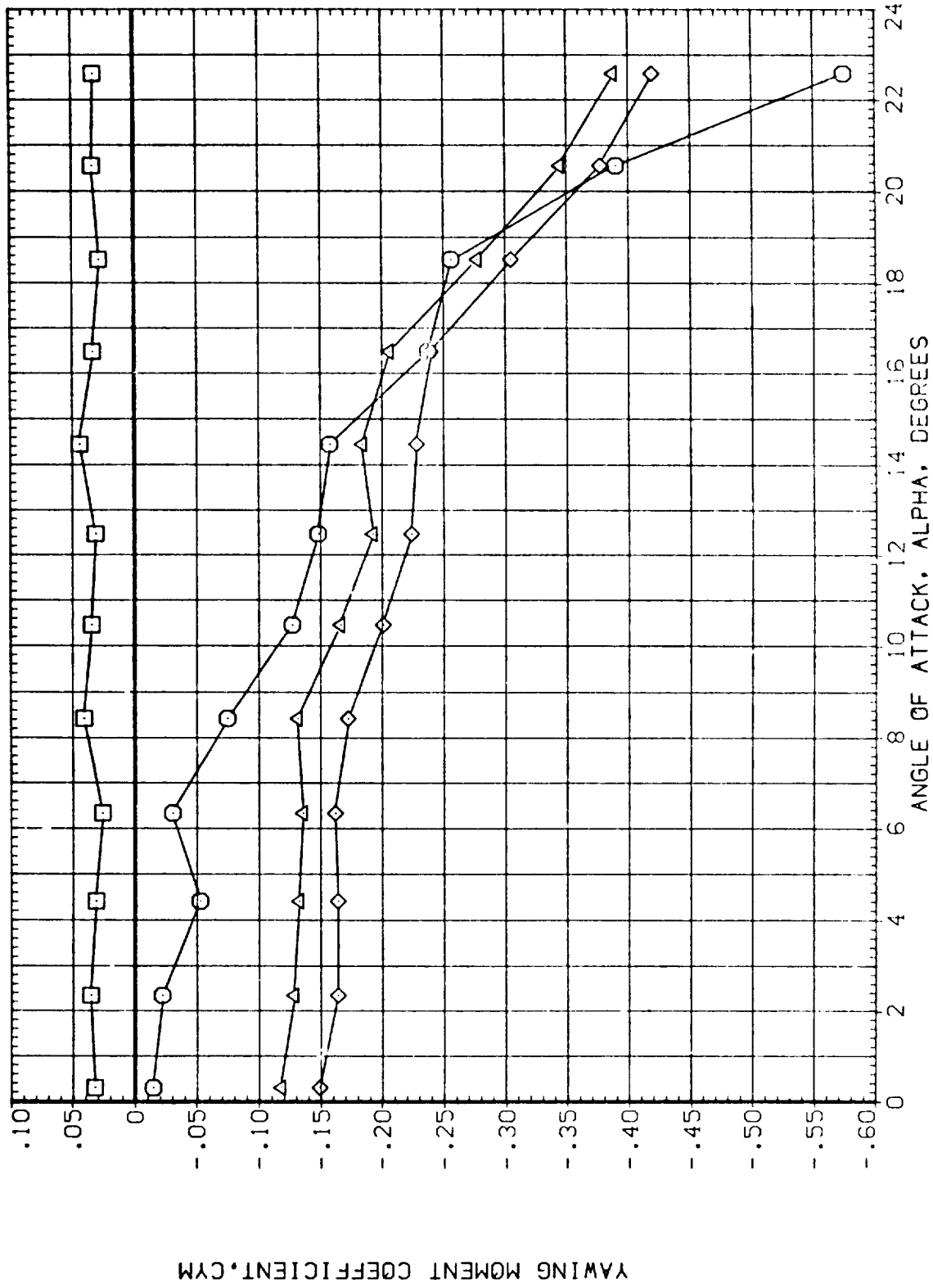


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 16 (BN3C7T1)

(MEZ255)

DATA		PARAMETRIC VALUES			
CYM	MACH	1.754	BETA	.000	
CYMC	D1	.000	D3	.000	
CYMT	D2	10.000	D4	10.000	
CYMB	D1-3	.000	D2-4	10.000	
	PHI-C	.000	PHI-T	.000	

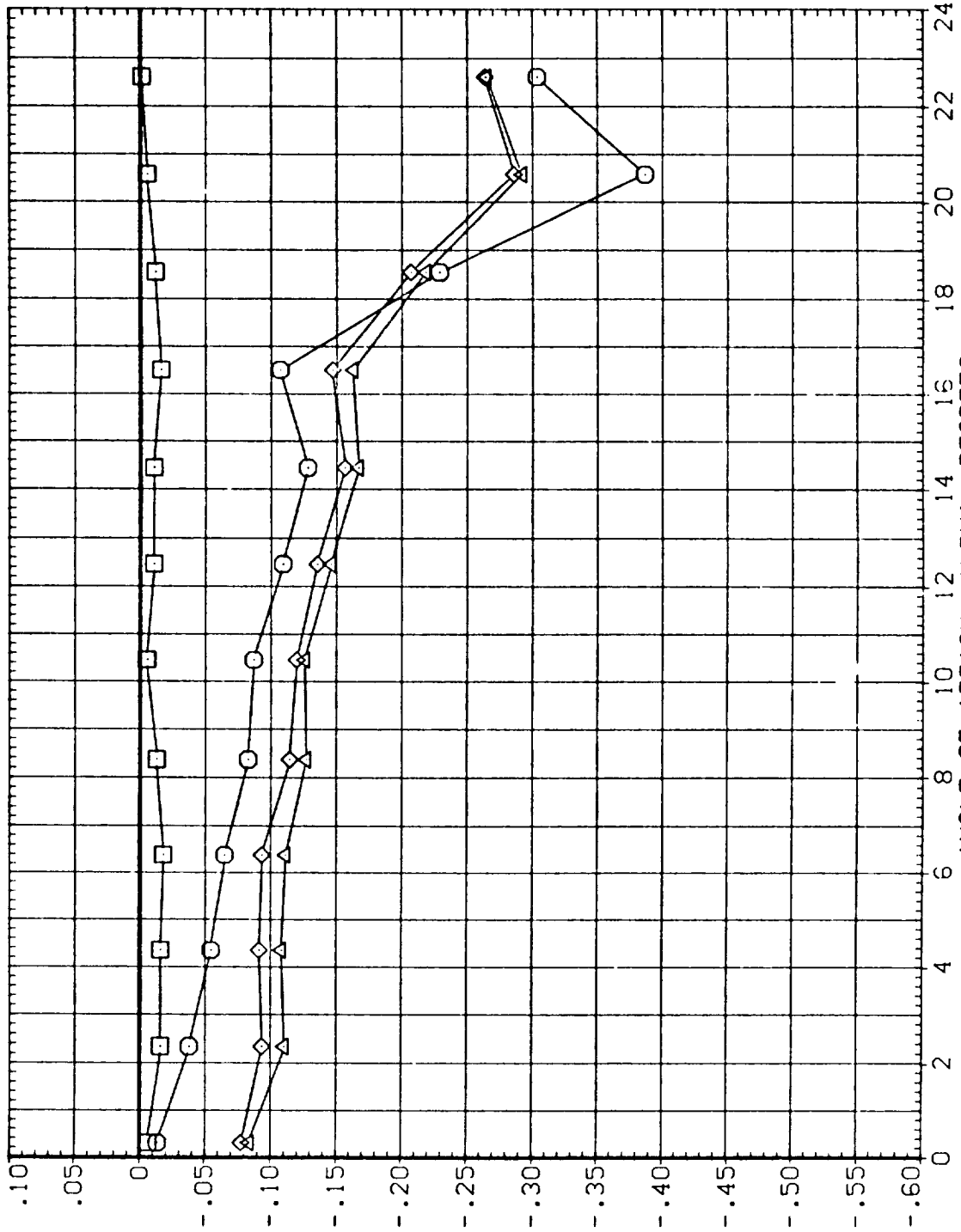


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	MACH	PARAMETRIC VALUES			
CRM	.801	BETA	.000		
CRMC	D1	D3	.000		
CRMT	D2	D4	10.000		
CRMB	D1-3	D2-4	10.000		
	PHI-C	PHI-T	.000		

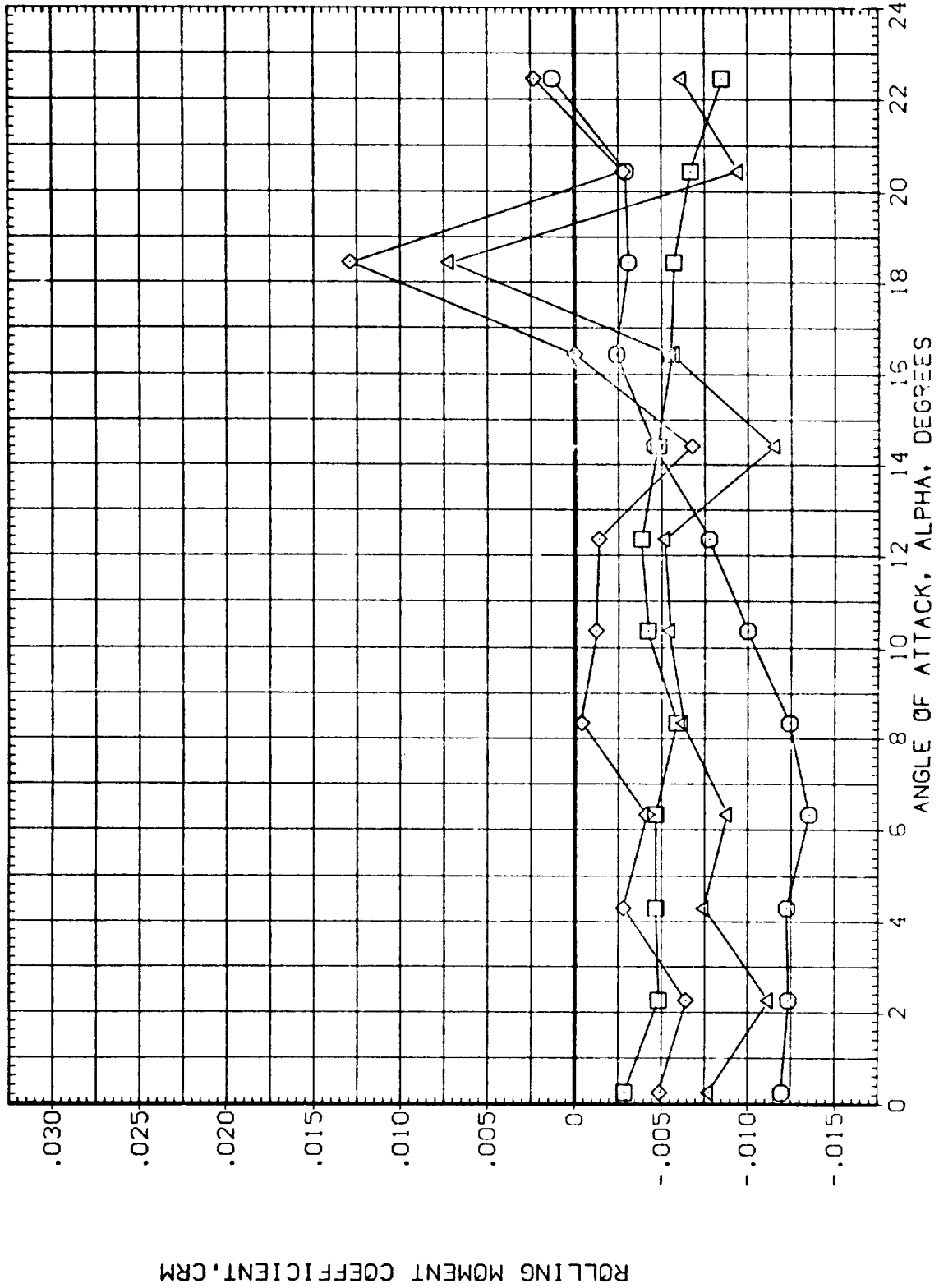


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ255)

CONFIGURATION 16 (BN3C7T1)

DATA	MACH	PARAMETRIC VALUES
CRM	1.307	BETA .000
CRMC	D1	D3 .000
CRMT	D2	D4 10.000
CRMB	D1-3	D2-4 10.000
	PHI-C	PHI-T .000

SYMBOL  
○ □ ◇ △

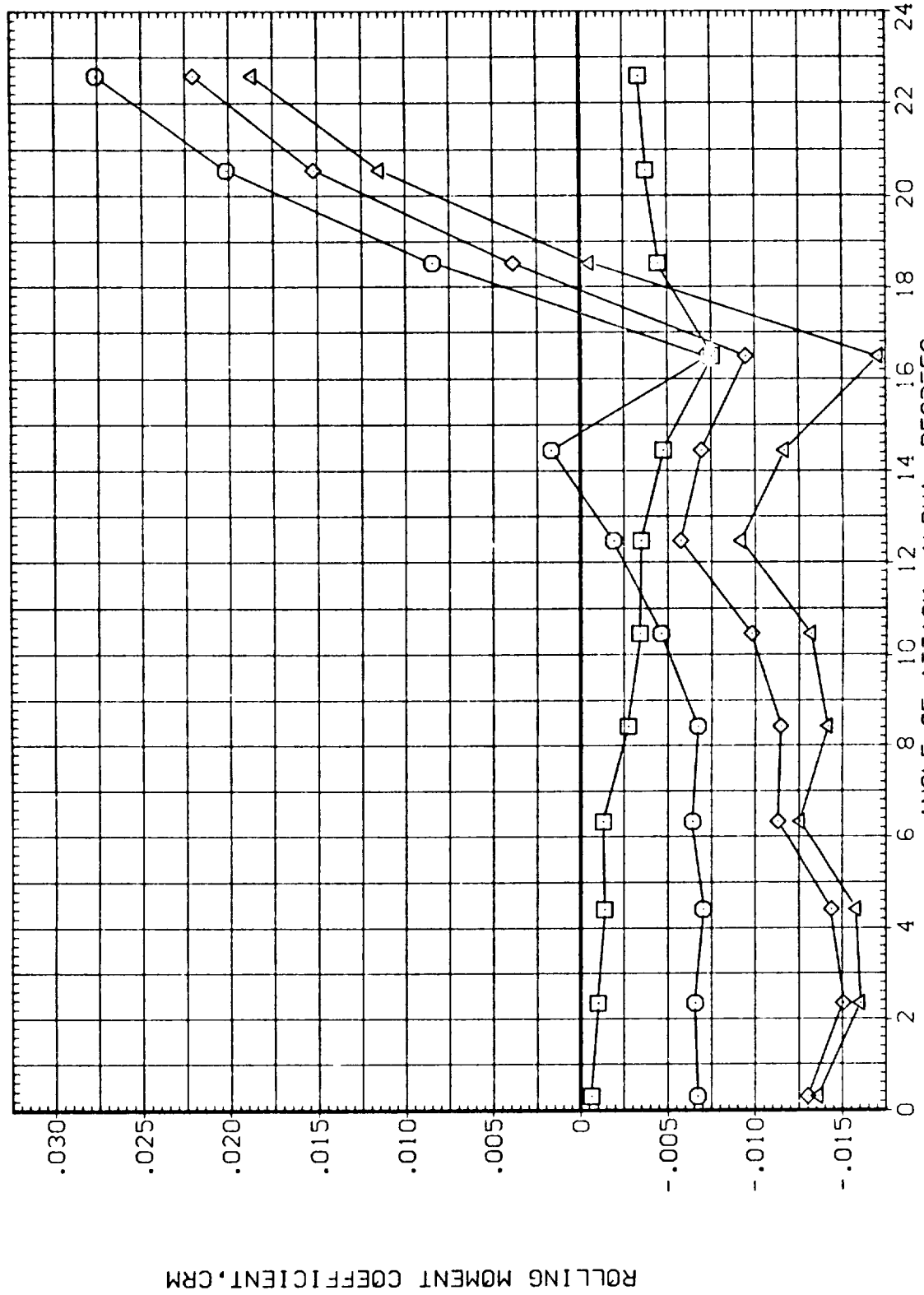


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA		PARAMETRIC VALUES			
CRIM	MACH	1.754	BETA	.000	
CRMC	D1	.000	D3	.000	
CRMT	D2	10.000	D4	10.000	
CRMB	PHI-C	.000	D2-4	10.000	
	PHI-T	.000			

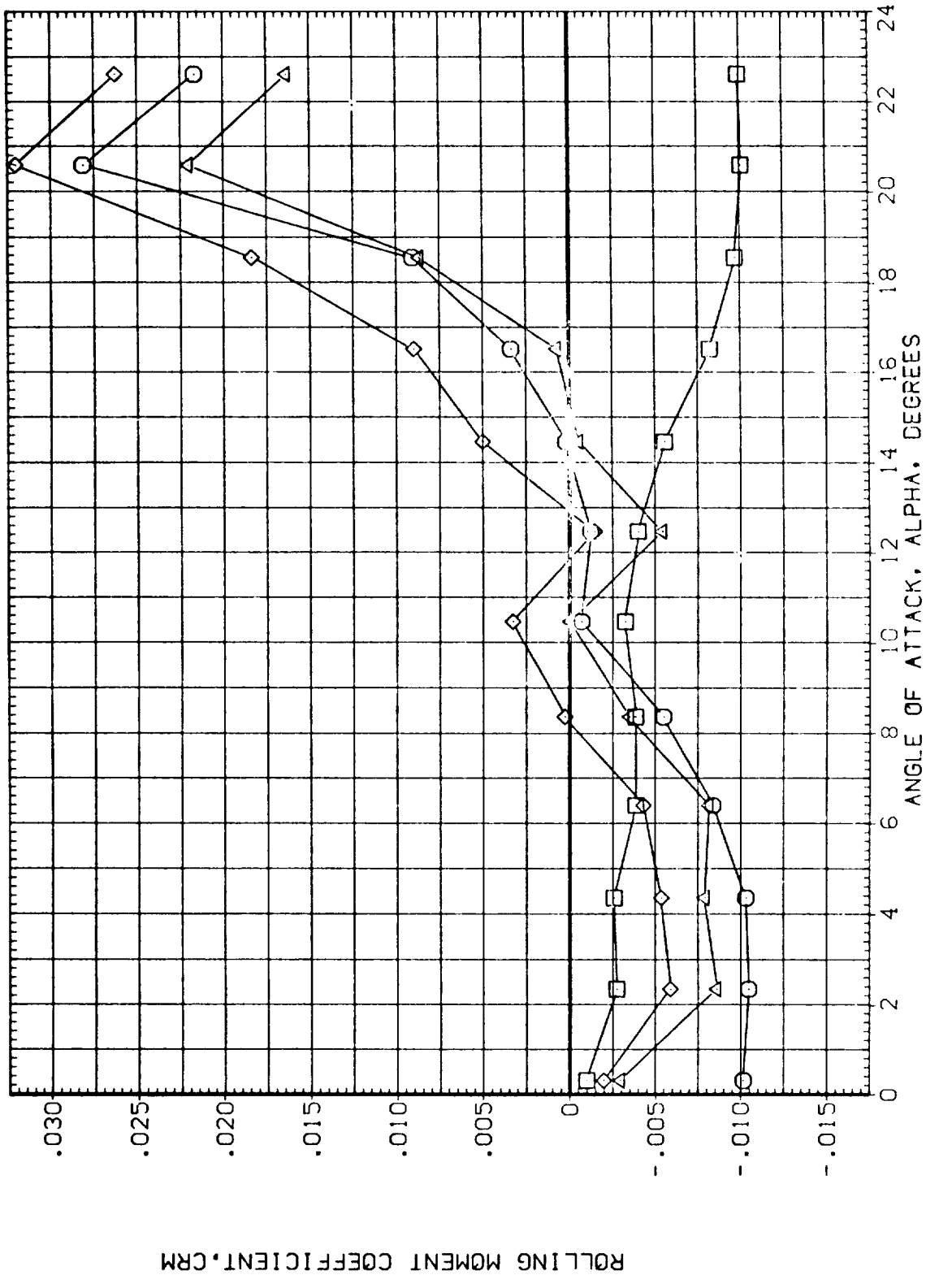


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ256)

CONFIGURATION 16 (BN3C7T1)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CN	.797	BETA .000
□	CNC	.000	D3 .000
◇	CNT	15.000	D4 15.000
△	CNB	.000	D2-4 15.000
		PHI-C	PHI-T .000

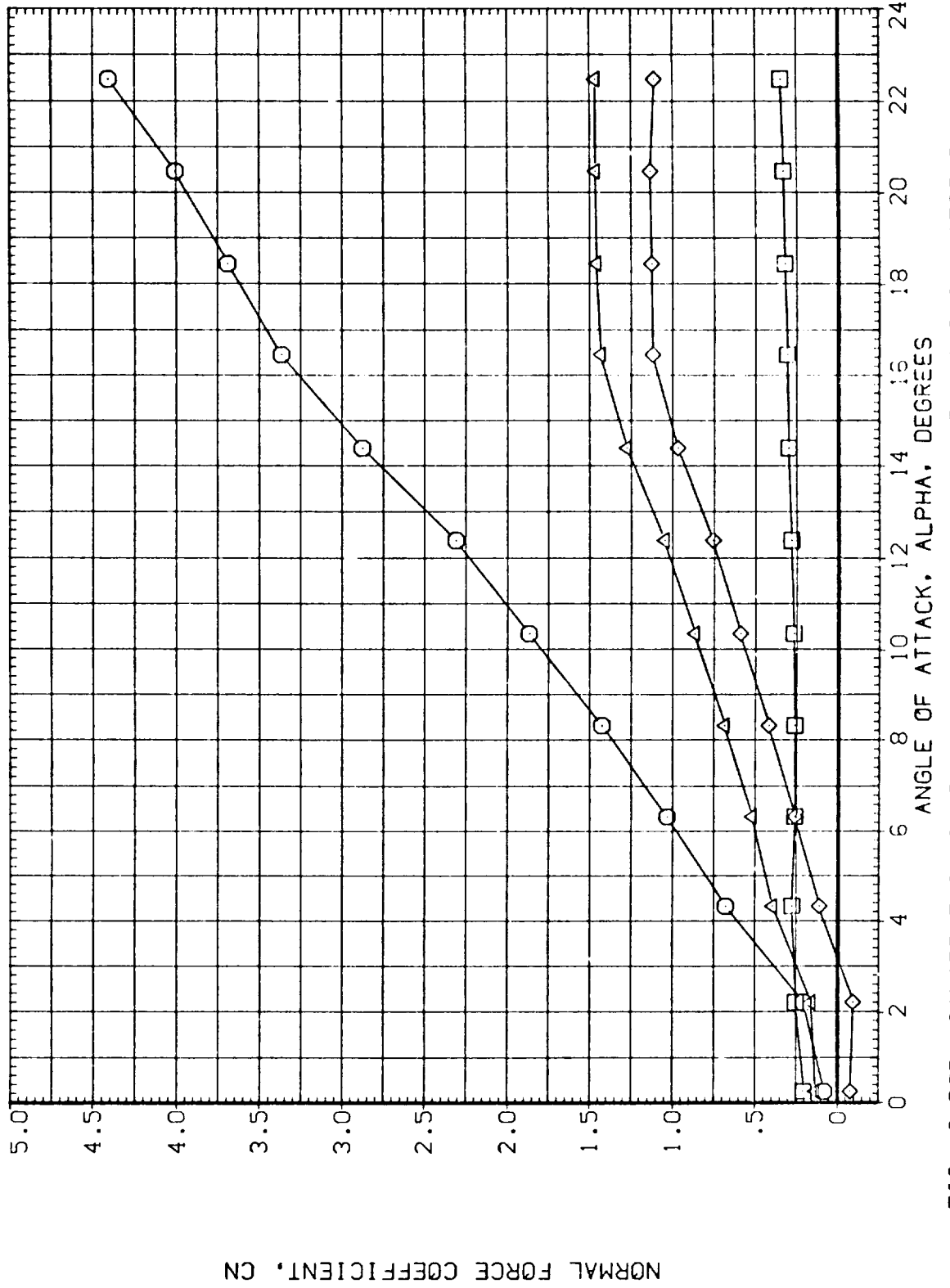


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 16 (BN3C7T1)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CN	01	1.307 BETA .000
□	CNC	02	.000 D3 .000
◇	CNT	03	15.000 D4 15.000
△	CNB	04	.000 D2-4 15.000
		PHI-C	.000 PHI-T .000

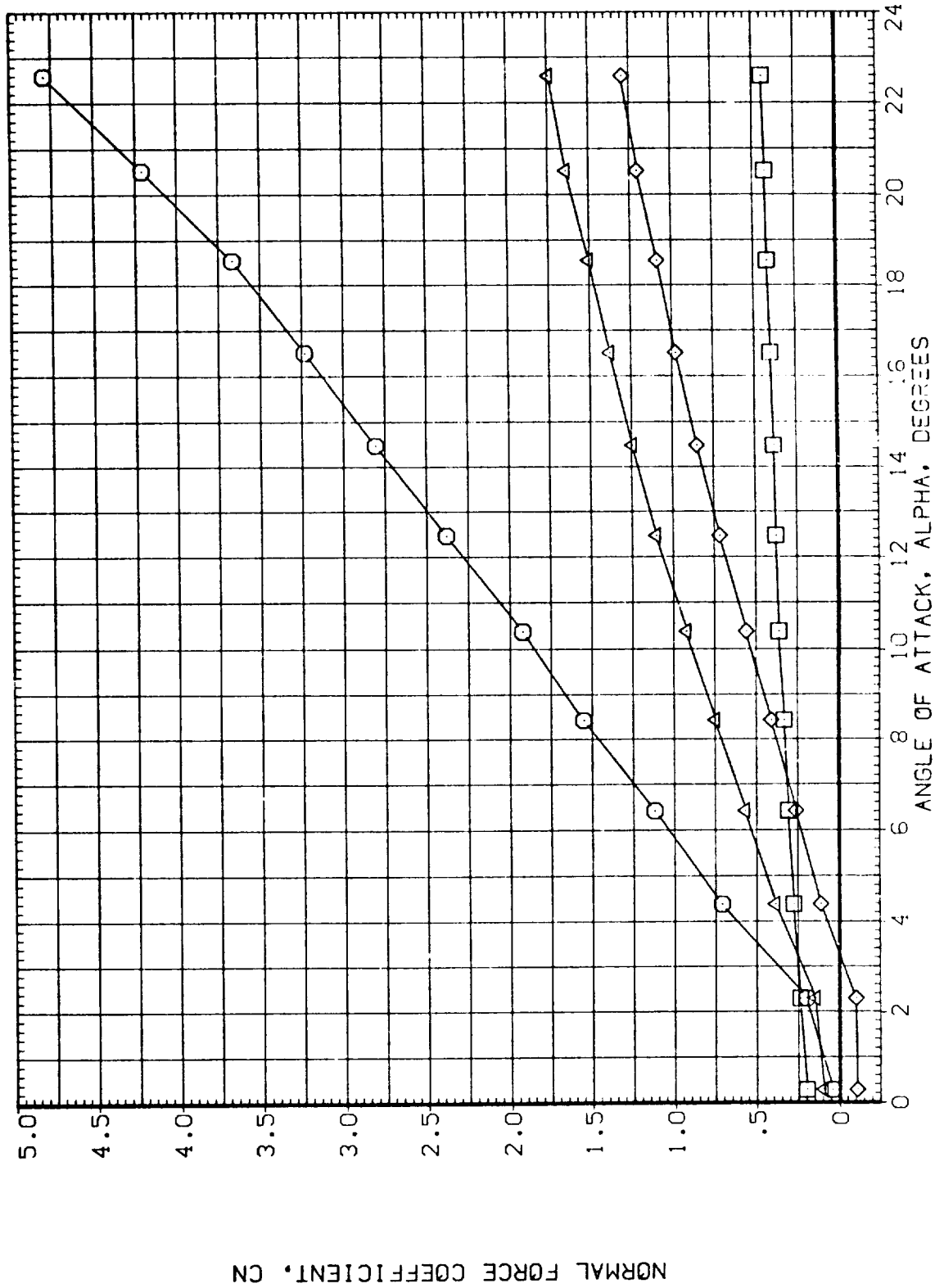


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS



CONFIGURATION 16 (BN3C7T1)

(LEZ256)

SYMBOL DATA PARAMETRIC VALUES

○	CN	MACH	1.750	BETA	.000
□	CNC	D1	.000	D3	.000
◇	CNT	D2	15.000	D4	15.000
△	CNB	D1-3	.000	D2-4	15.000
		PHI-C	.000	PHI-T	.000

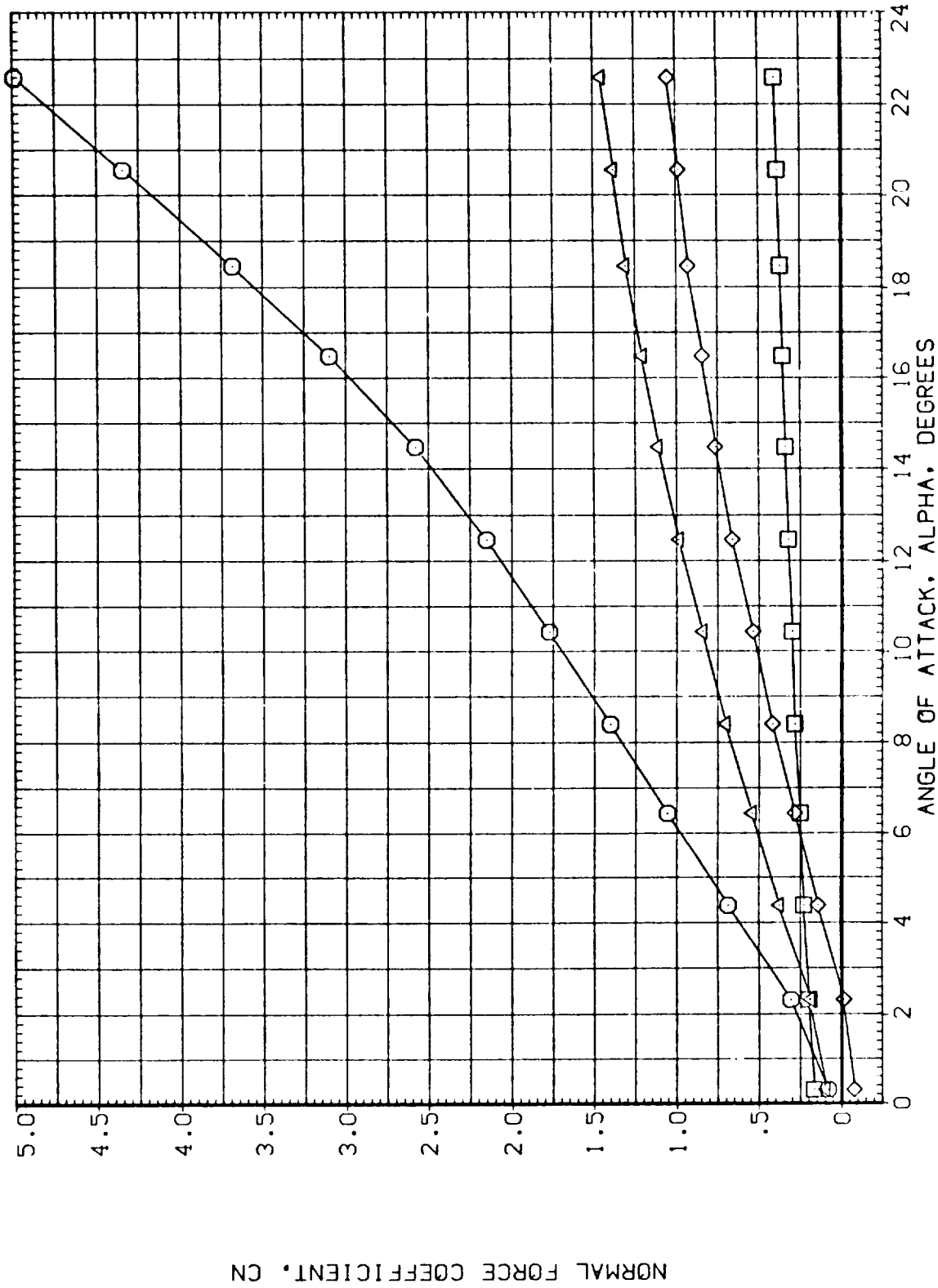


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	PARAMETRIC VALUES
CM	.797
CMC	.000
CMT	15.000
CHB	.000
MACH	BETA
D1	D3
D2	D4
D1-3	D2-4
PHI-C	PHI-T
	.000
	.000
	15.000
	15.000

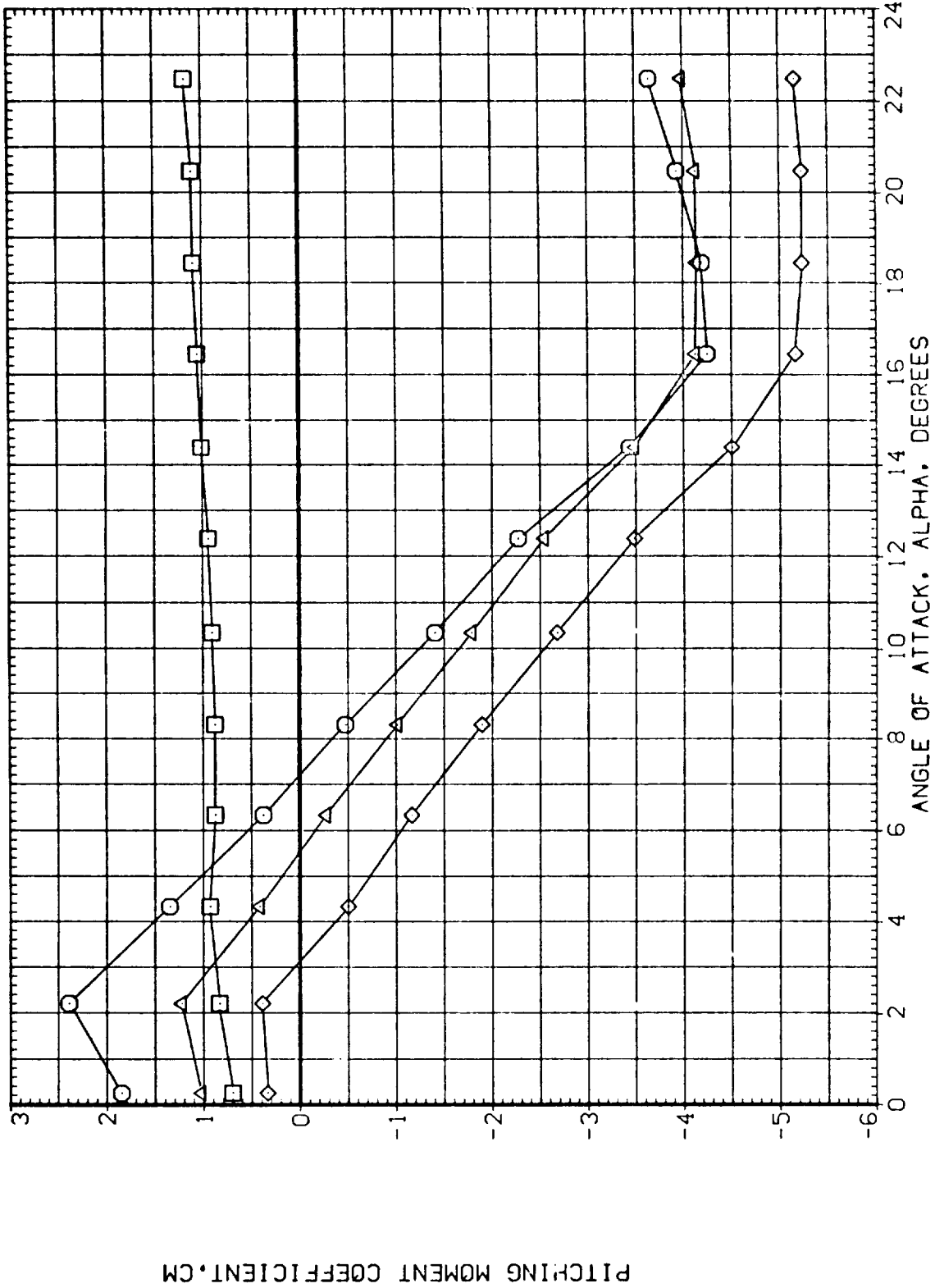


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ256)

CONFIGURATION 16 (BN3C7T1)

DATA		PARAMETRIC VALUES			
CM	MACH	1.307	BETA	.000	
CMC	D1	.000	D3	.000	
CMT	D2	15.000	D4	15.000	
CHB	D1-3	.000	D2-4	15.000	
	PHI-C	.000	PHI-T	.000	

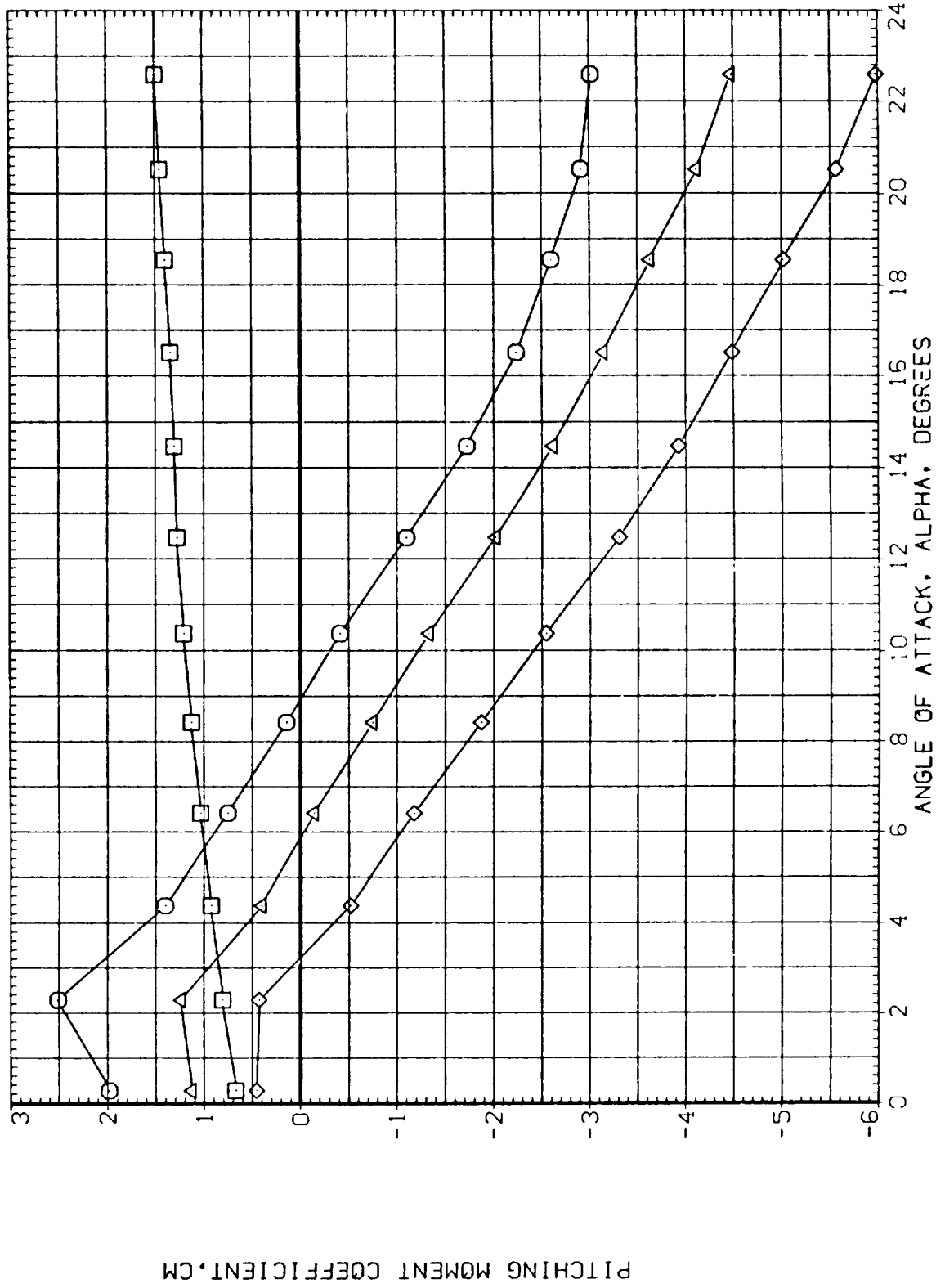


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA		PARAMETRIC VALUES			
CM	MACH	1.750	BETA	.000	
CMC	D1	.000	D3	.000	
CMT	D2	15.000	D4	15.000	
CHB	D1-3	.000	D2-4	15.000	
	PHI-C	.000	PHI-T	.000	

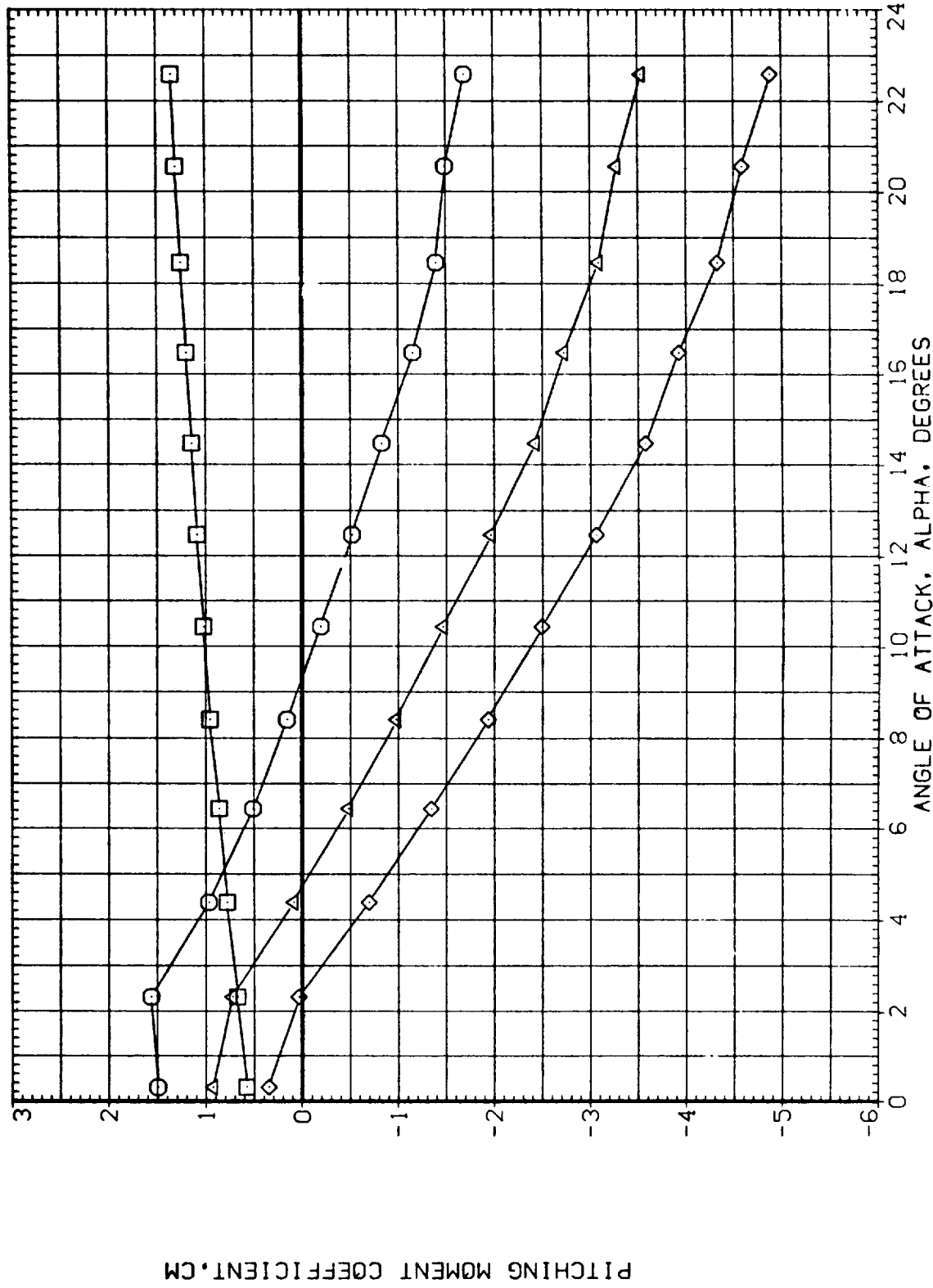


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(0EZ256)

CONFIGURATION 16 (BN3C7T1)

SYMBOL	DATA	MACH	PARAMETRIC VALUES	
O	CA	.797	BETA	.000
		.000	D3	.000
		15.000	D4	15.000
		.000	D2-4	15.000
		.000	PHI-T	.000

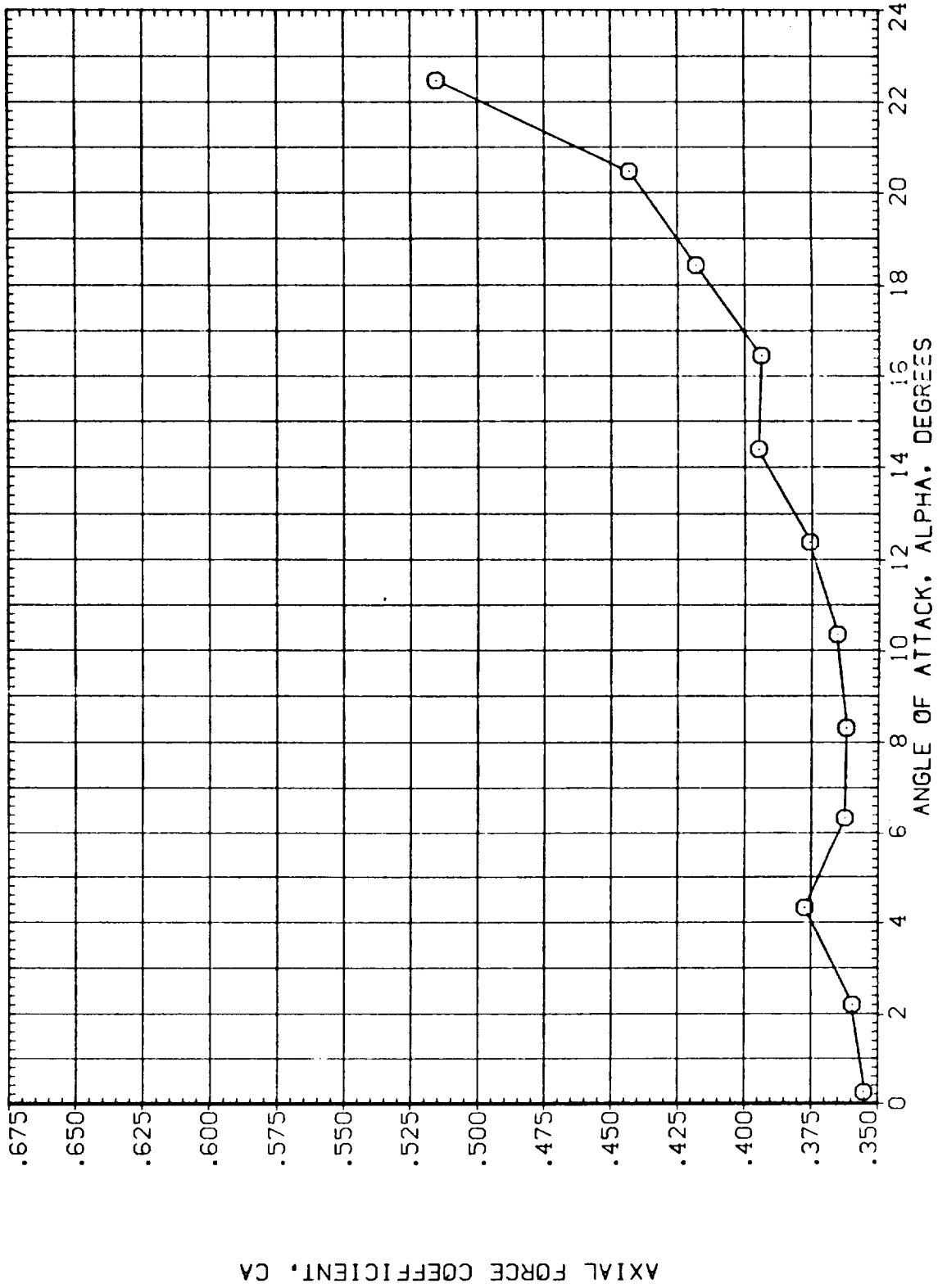


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL	DATA	PARAMETRIC VALUES
	CA	MACH 1.307 BETA .000
○		D1 .000 D3 .000
		D2 15.000 D4 15.000
		D1-3 .000 D2-4 15.000
		PHI-C .000 PHI-T .000

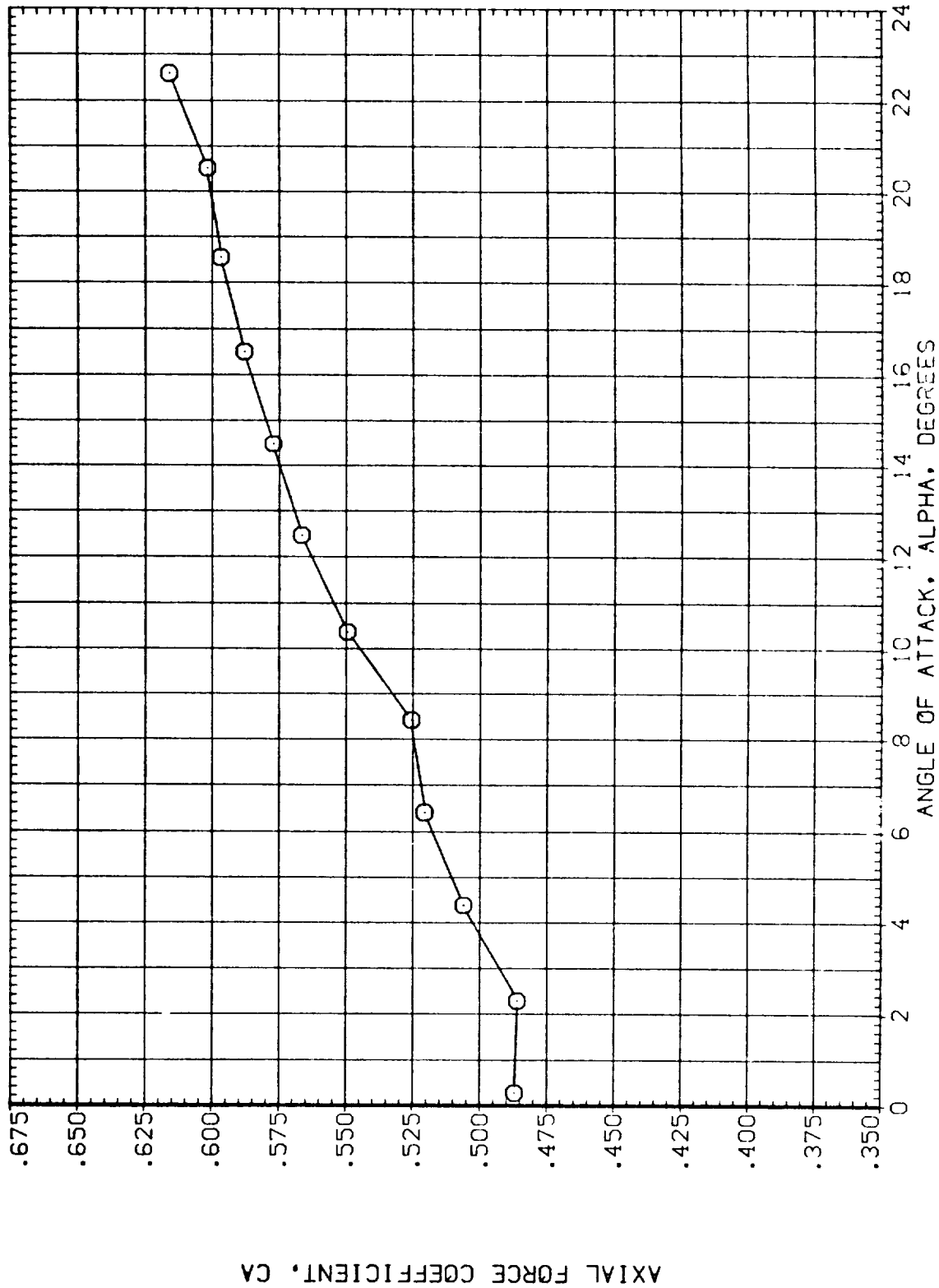


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(0EZ256)

CONFIGURATION 16 (BN3C7T1)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CA	D1	1.750 BETA .000
		D2	.000 D3 .000
		D1-3	15.000 D4 15.000
		PHI-C	.000 D2-4 15.000
			PHI-T .000

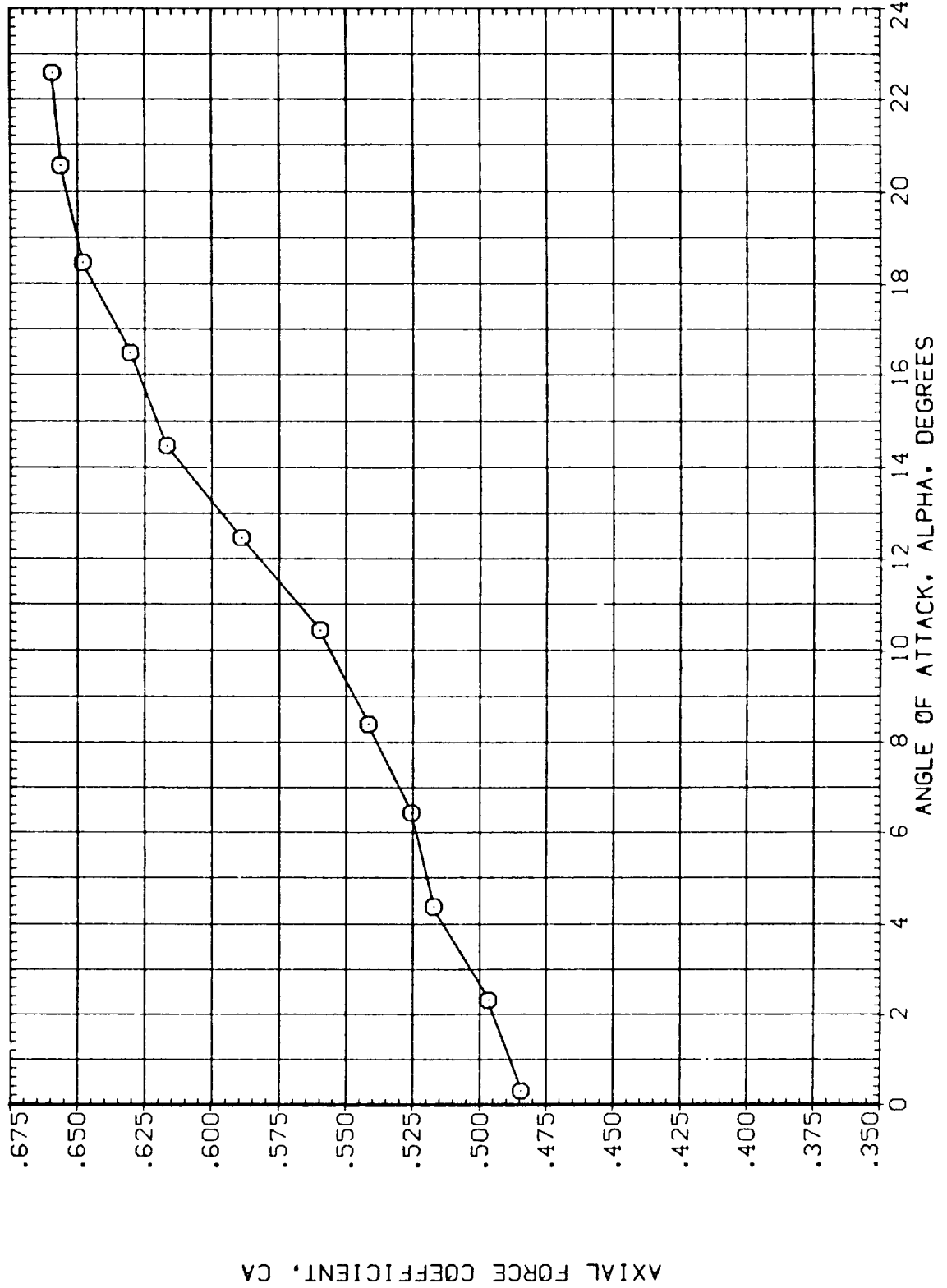


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA		PARAMETRIC VALUES			
CY	MACH	.797	BETA	.000	
CYC	D1	.000	D3	.000	
CYT	D2	15.000	D4	15.000	
CYB	D1-3	.000	D2-4	15.000	
	PHI-C	.000	PHI-T	.000	

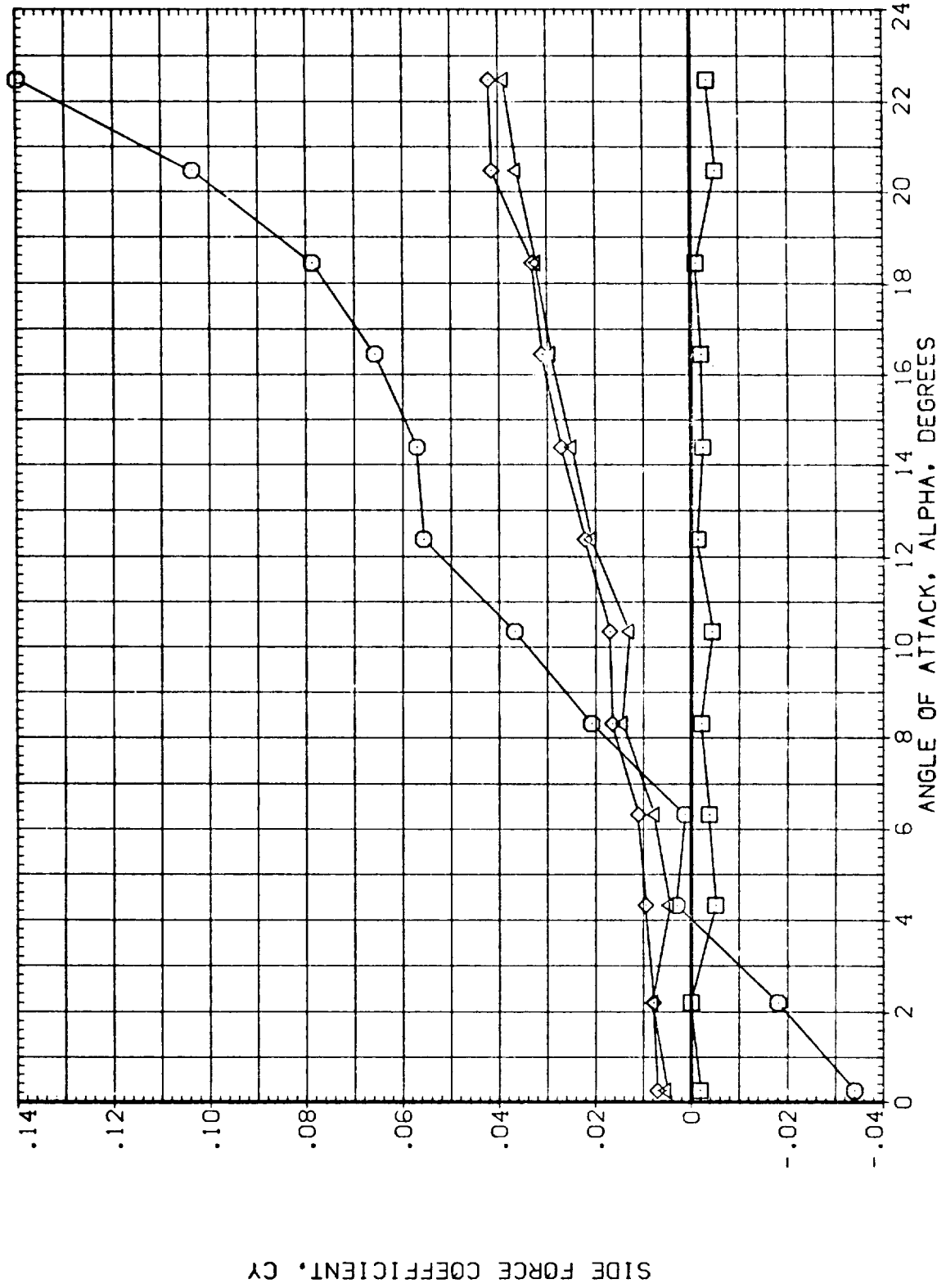


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS



CONFIGURATION 16 (BN3C7T11)

(MEZ256)

SYMBOL	DATA	PARAMETRIC VALUES
○	CY	MACH 1.307 BETA .000
□	CYC	D1 .000 D3 .000
◇	CYT	D2 15.000 D4 15.000
△	CYB	D1-3 .000 D2-4 15.000
		PHI-C .000 PHI-T .000

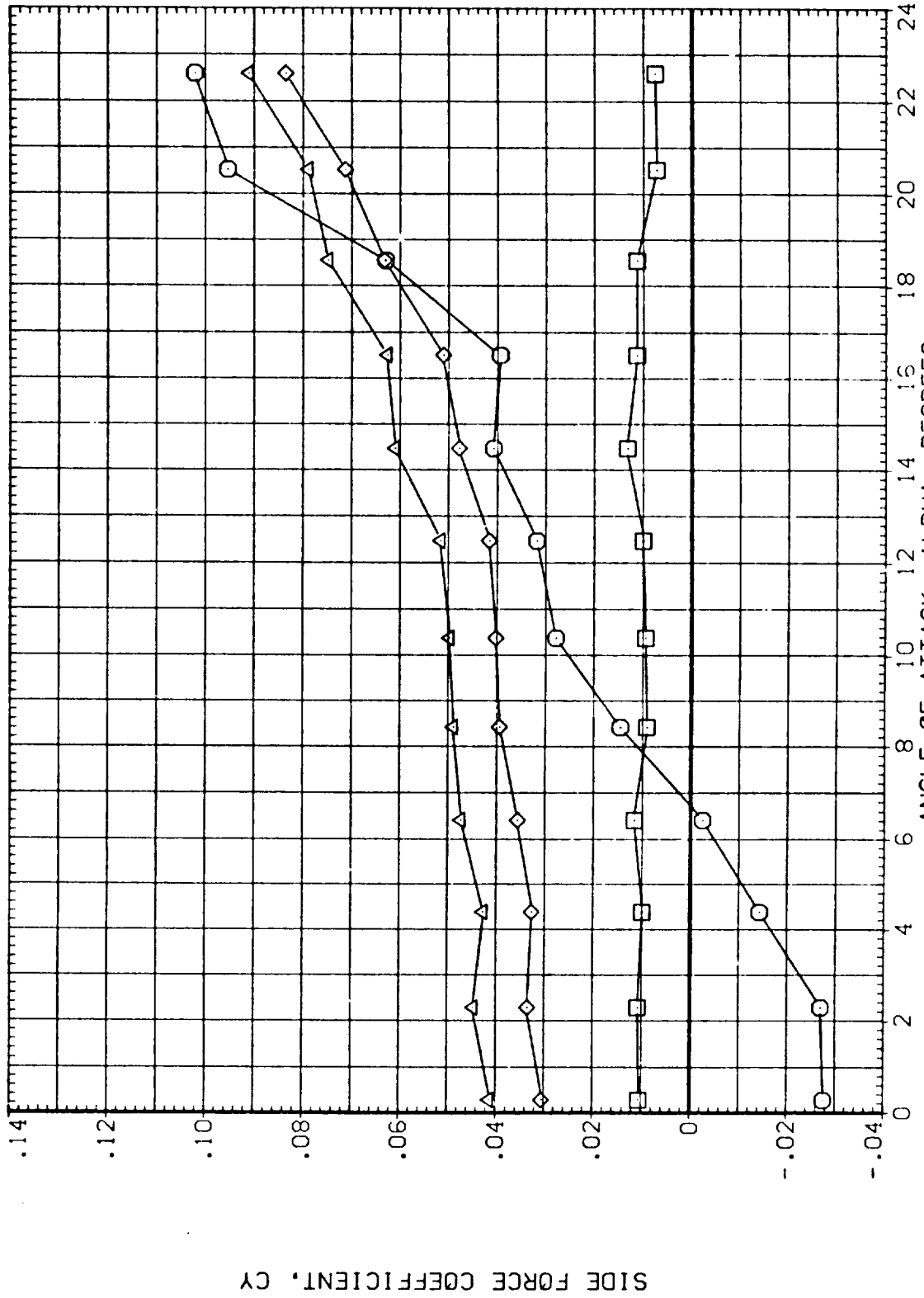
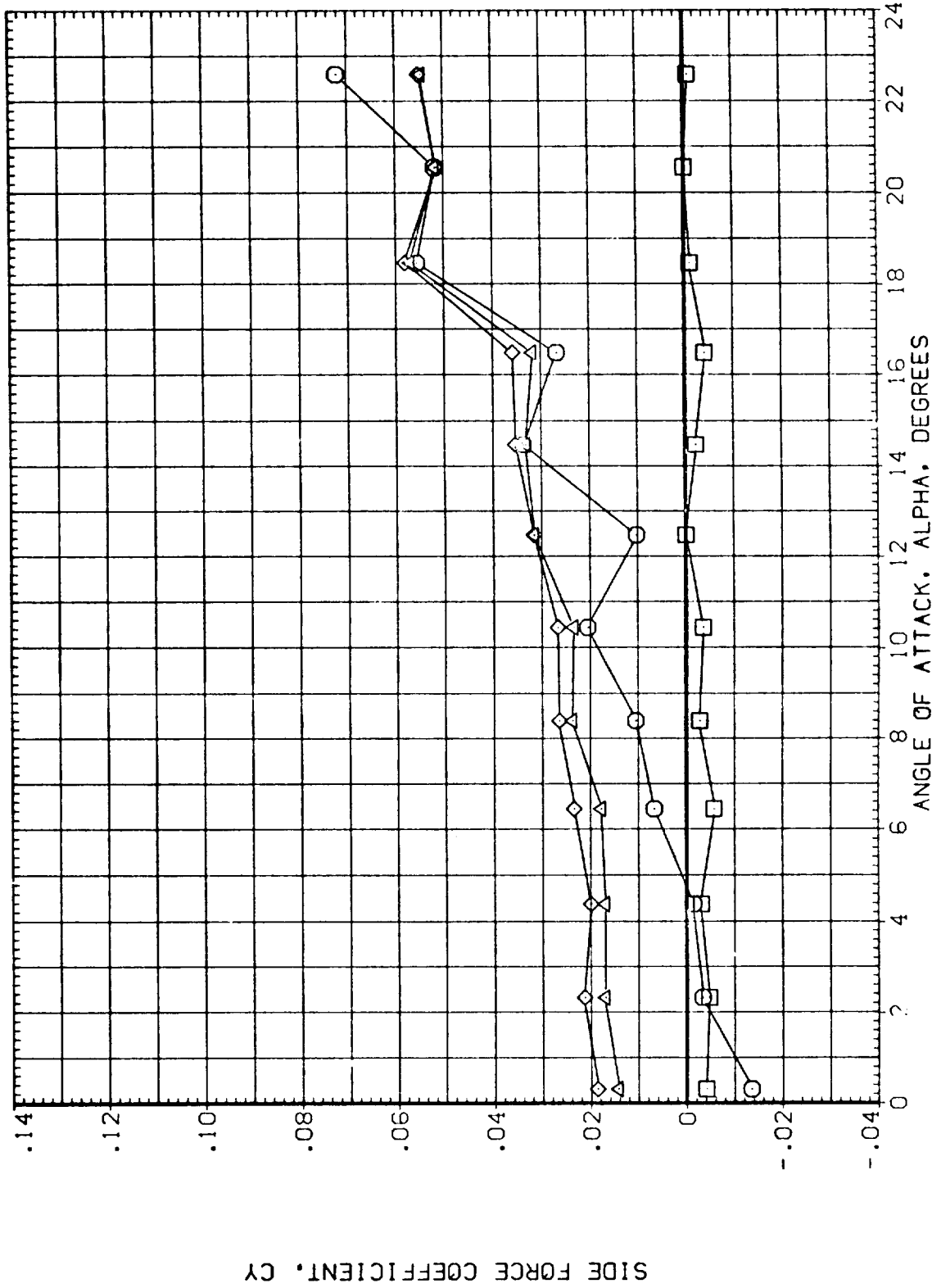


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	PARAMETRIC VALUES
MACH	1.750
BETA	.000
CY	D1
CYC	.000
D3	.000
CYT	D2
D4	15.000
CYB	D1-3
D2-4	15.000
PHI-C	.000
PHI-T	.000

SYMBOL  
 ○ □ ◇ △



SIDE FORCE COEFFICIENT, CY

FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS



DATA		PARAMETRIC VALUES			
CYM	MACH	1.307	BETA	.000	
CYMC	D1	.000	D3	.000	
CYMT	D2	15.000	D4	15.000	
CYMB	D1-3	.000	D2-4	15.000	
	PHI-C	.000	PHI-T	.000	

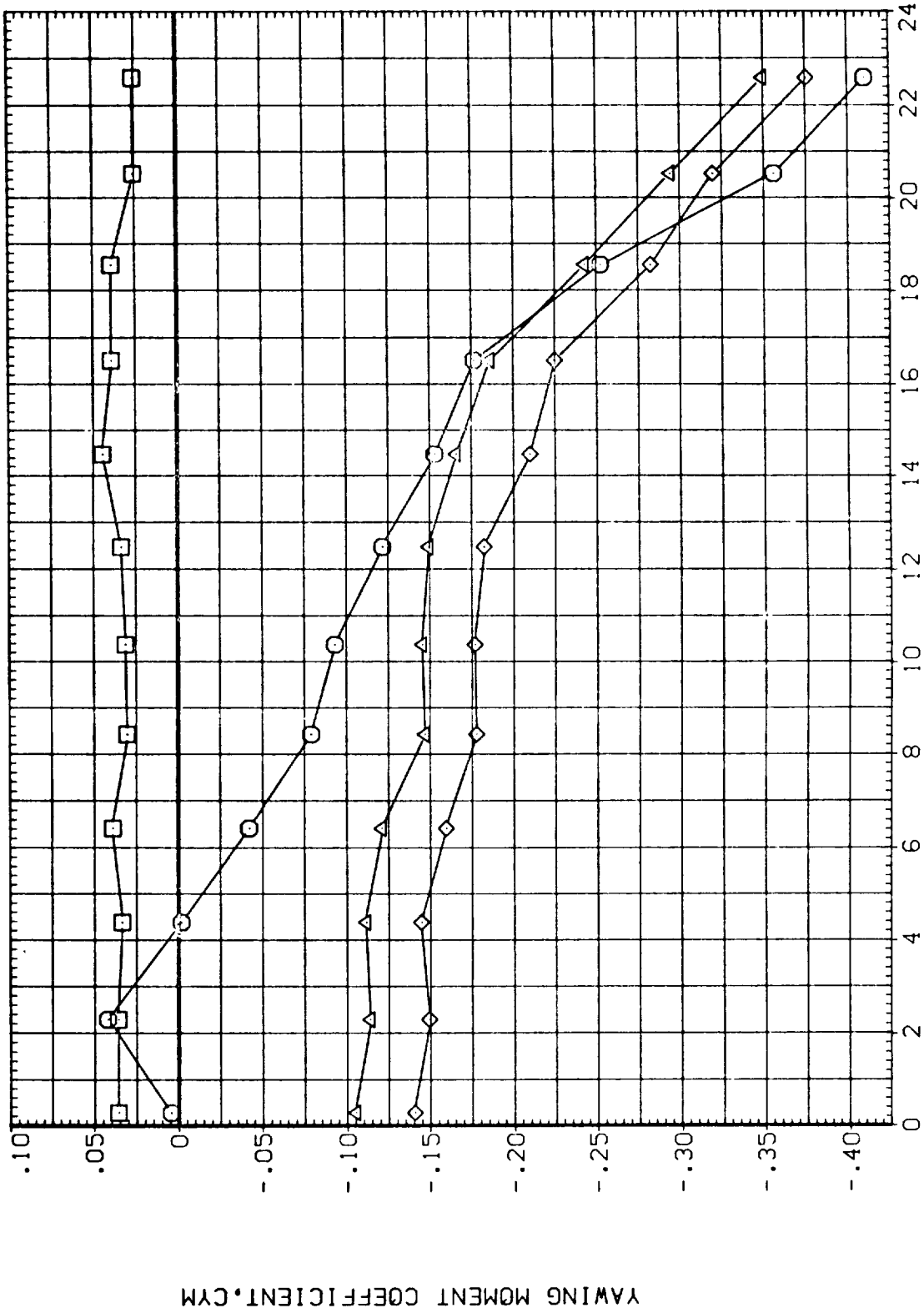


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ256)

CONFIGURATION 16 (BN3C7T1)

SYMBOL		DATA		PARAMETRIC VALUES			
○	CYM	MACH	BETA	1.750	D3	.000	
□	CYMC	D1	D3	.000	D4	.000	
◇	CYMT	D2	D4	15.000	D2-4	15.000	
△	CYMB	D1-3	D2-4	.000	PHI-T	.000	
		PHI-C		.000			

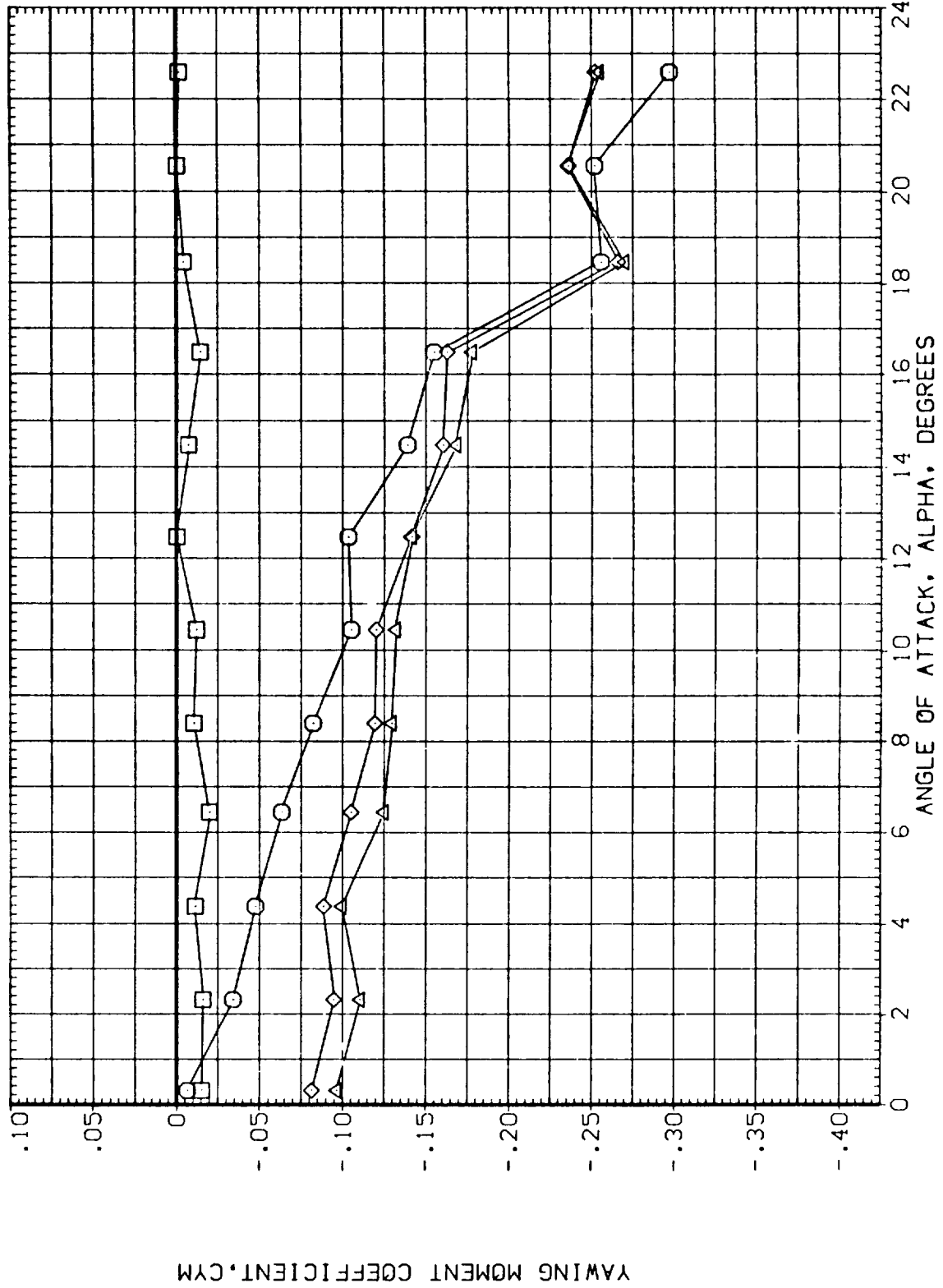


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA		PARAMETRIC VALUES			
CRM	MACH	.797	BETA	.000	
CRMC	D1	.000	D3	.000	
CRMT	D2	15.000	D4	15.000	
CRMB	D1-3	.000	D2-4	15.000	
	PHI-C	.000	PHI-T	.000	

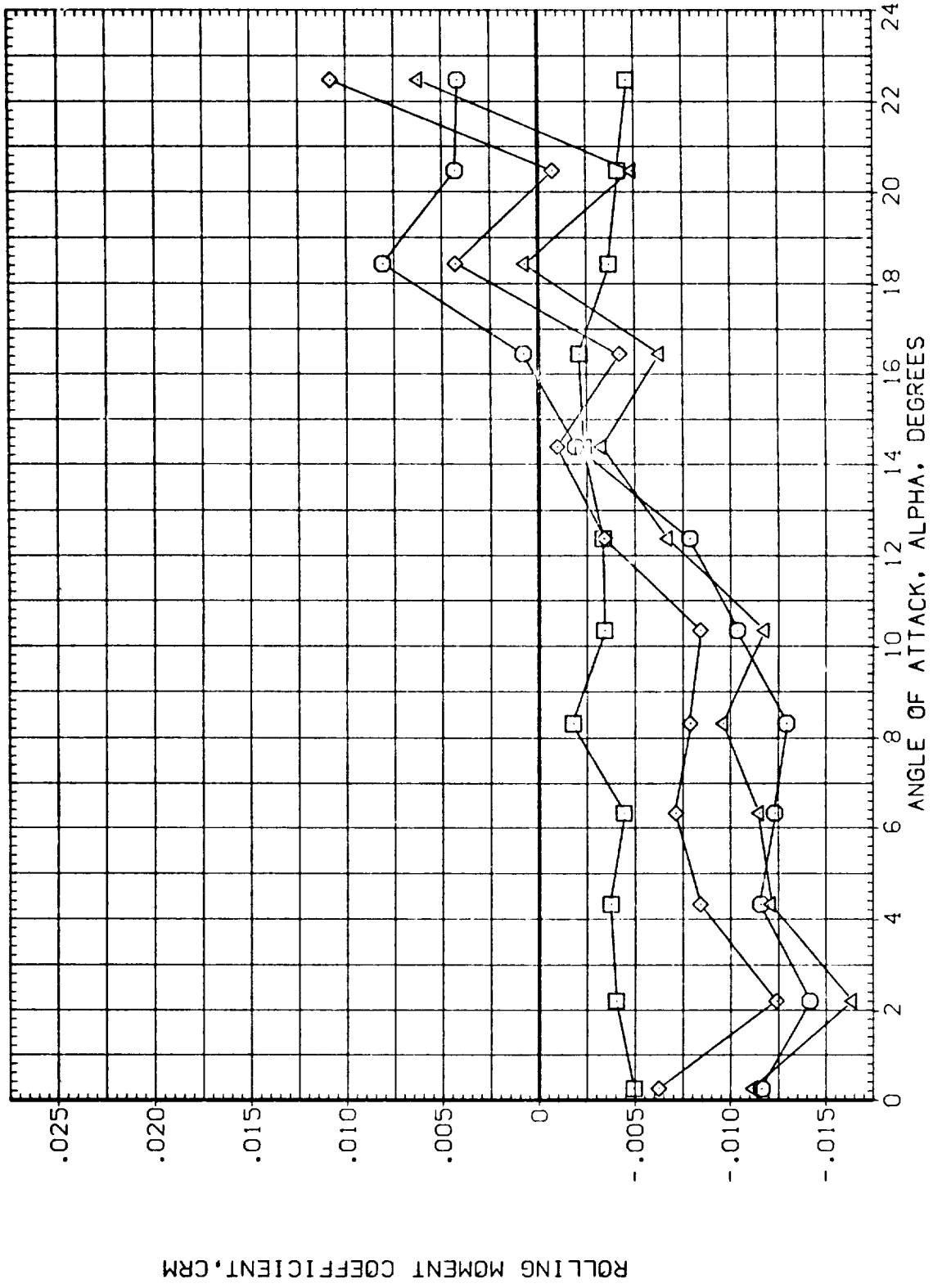


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ256)

CONFIGURATION 16 (BN3C7T1)

SYMBOL		DATA		PARAMETRIC VALUES			
○	CRM	1.307	BETA	.000			
□	CRMC	.000	D3	.000			
◇	CRMT	15.000	D4	15.000			
△	CRMB	.000	D2-4	15.000			
		PHI-C	PHI-T	.000			

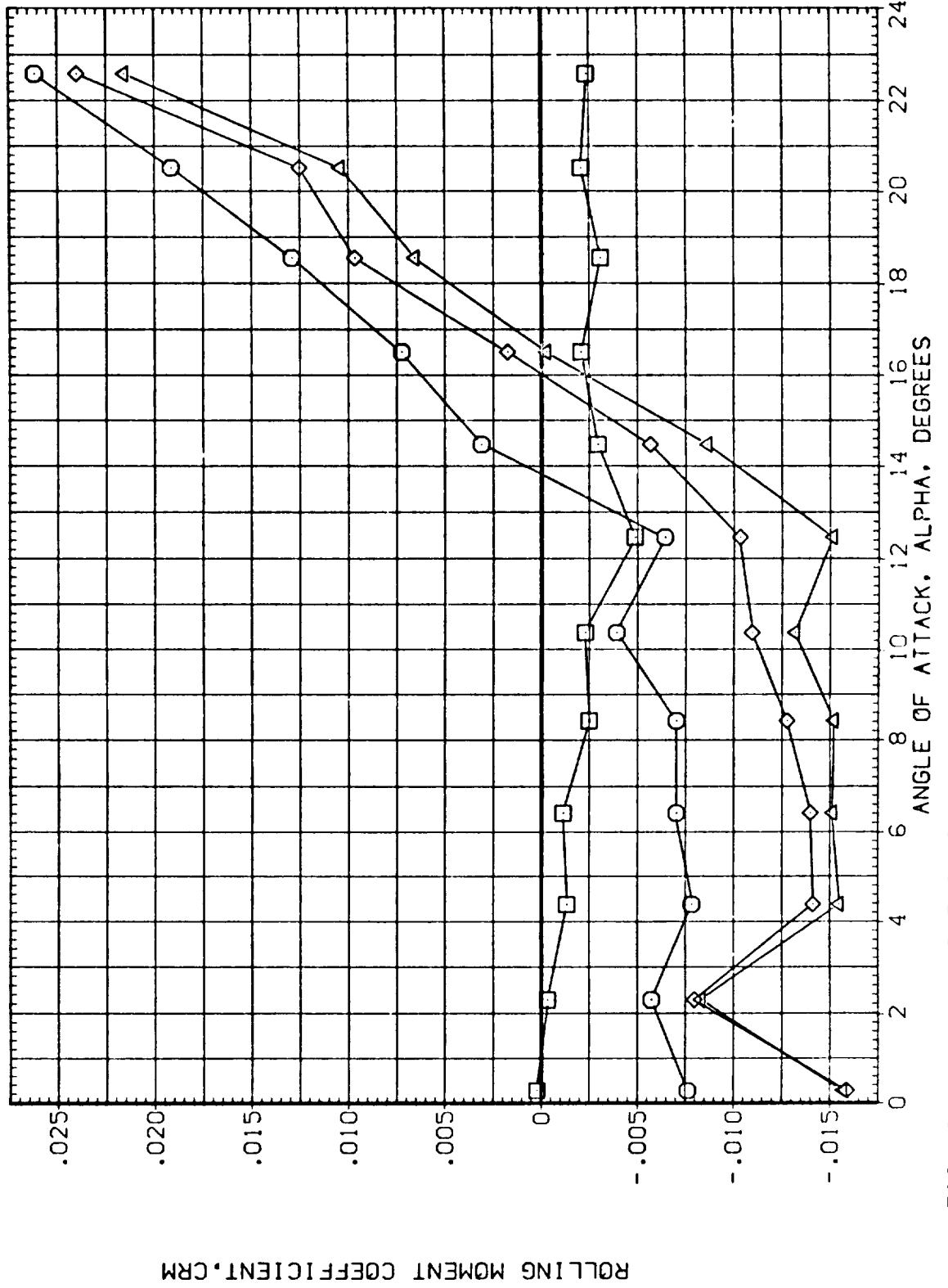


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	MACH	PARAMETRIC VALUES			
CRM	D1	1.750	BETA	.000	
CRM	D2	.000	D3	.000	
CRM	D1-3	15.000	D4	15.000	
CRM	PHI-C	.000	D2-4	15.000	
			PHI-T	.000	

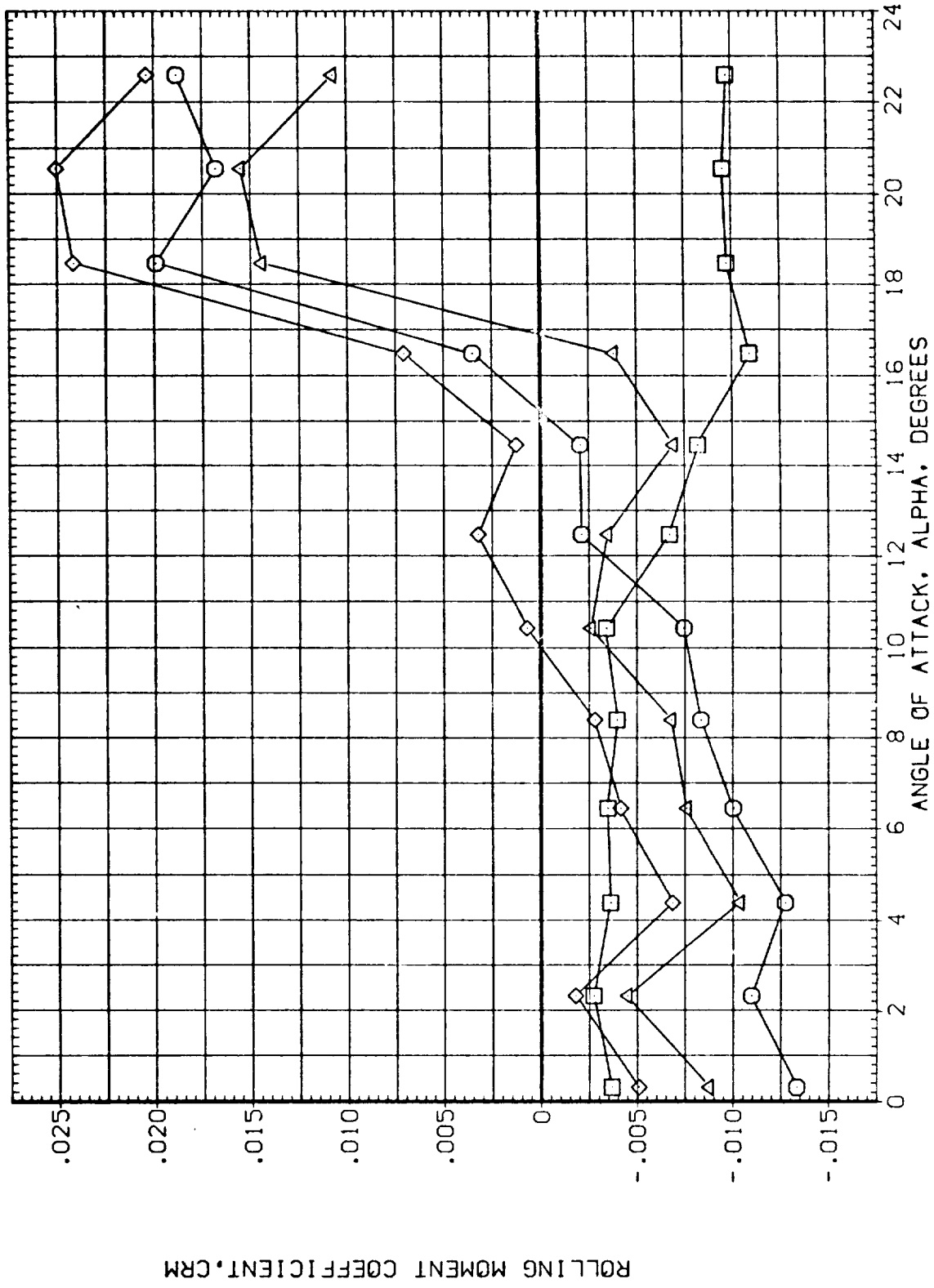


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS





SYMBOL	DATA	PARAMETRIC VALUES
○	CN	MACH 1.306
□	CNC	BETA .000
◇	CNT	D1 .000
△	CNB	D2 .000
		D3 .000
		D4 .000
		D1-3 .000
		D2-4 .000
		PHI-C .000
		PHI-T .000

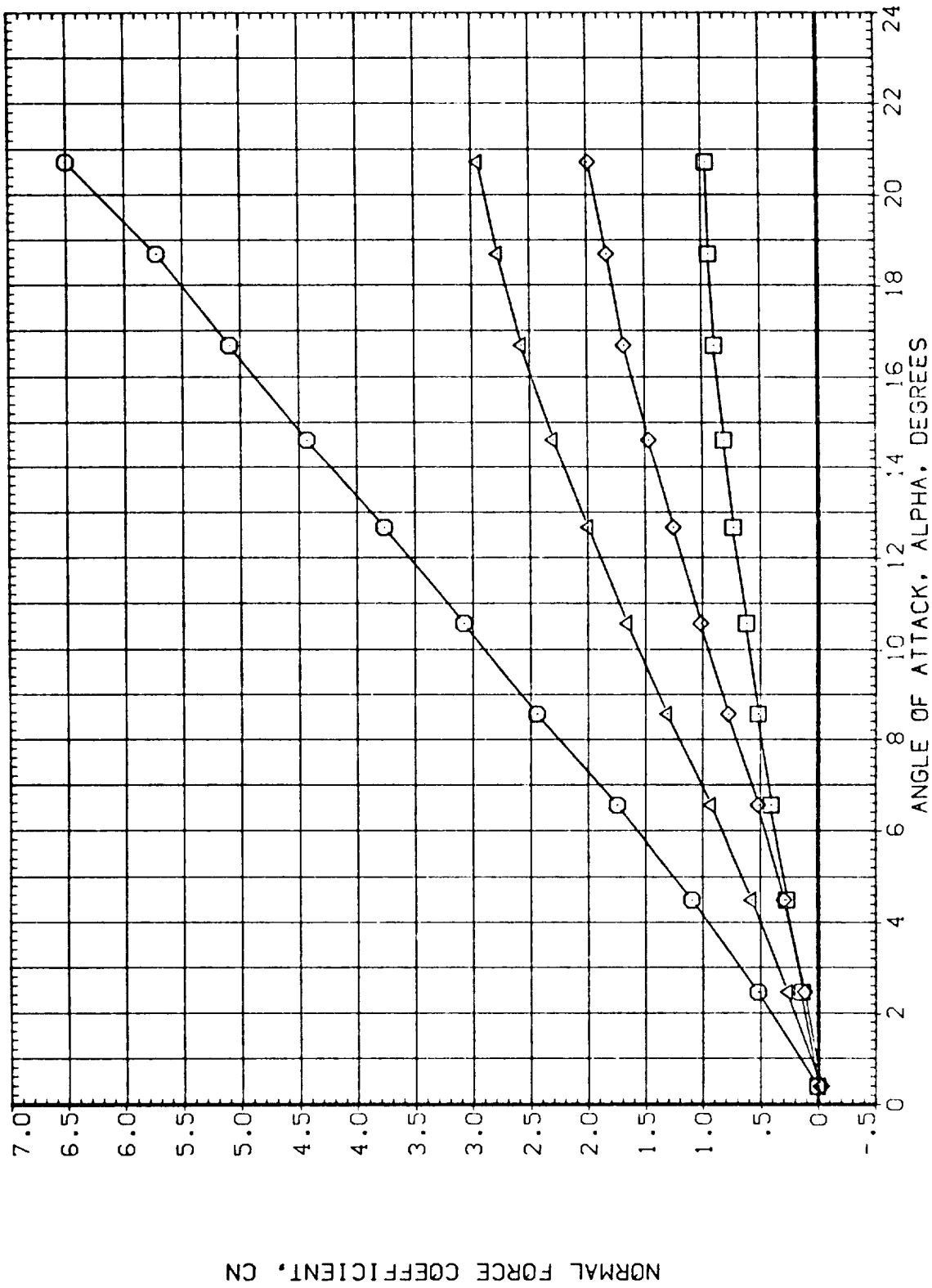


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ126)

CONFIGURATION 10 (BN3C6T2)

DATA		PARAMETRIC VALUES			
CN	MACH	1.752	BETA	.000	
CNC	D1	.000	D3	.000	
CNT	D2	.000	D4	.000	
CNB	D1-3	.000	D2-4	.000	
	PHI-C	.000	PHI-T	.000	

SYMBOL  
○ □ ◇ △

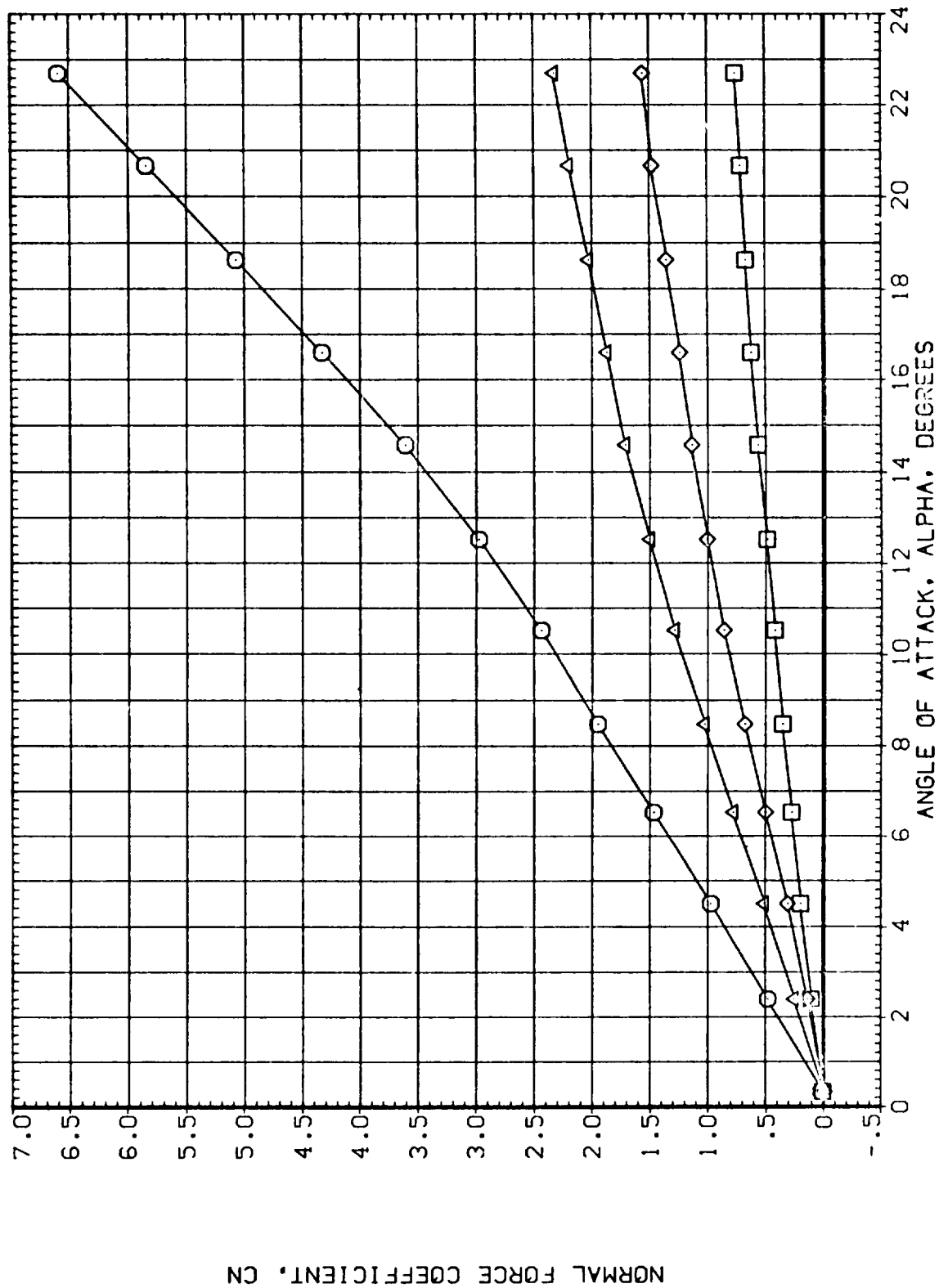


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA		PARAMETRIC VALUES			
CM	MACH	.802	BETA	.000	
CMC	D1	.000	D3	.000	
CMT	D2	.000	D4	.000	
CMB	D1-3	.000	D2-4	.000	
	PHI-C	.000	PHI-T	.000	

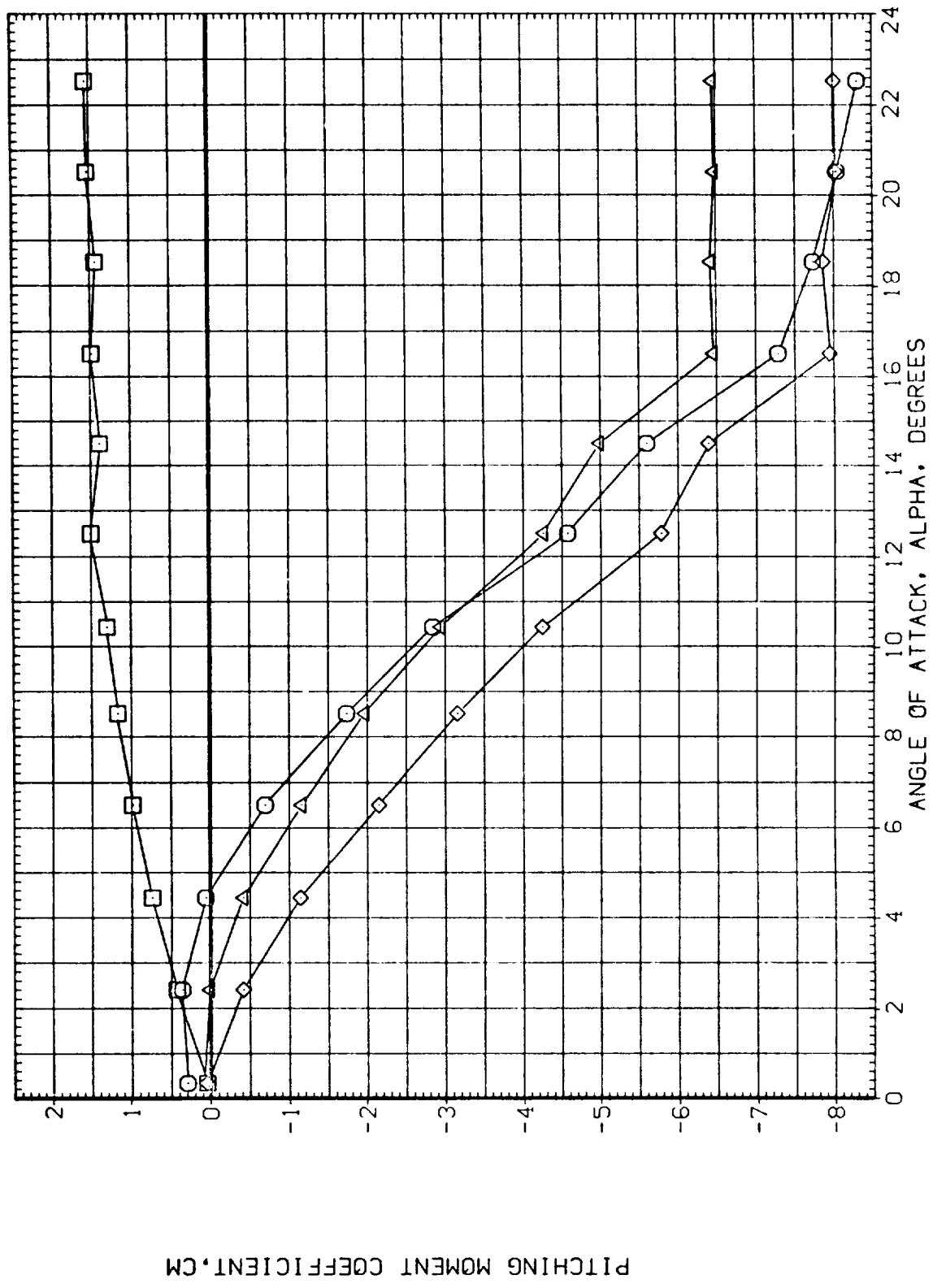


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ126)

CONFIGURATION 1C (BN3C6T2)

SYMBOL		DATA		PARAMETRIC VALUES			
○	CMC	MACH	1.306	BETA	.000		
□	CMT	D1	.000	D3	.000		
◇	CMB	D2	.000	D4	.000		
△		D1-3	.000	D2-4	.000		
		PHI-C	.000	PHI-T	.000		

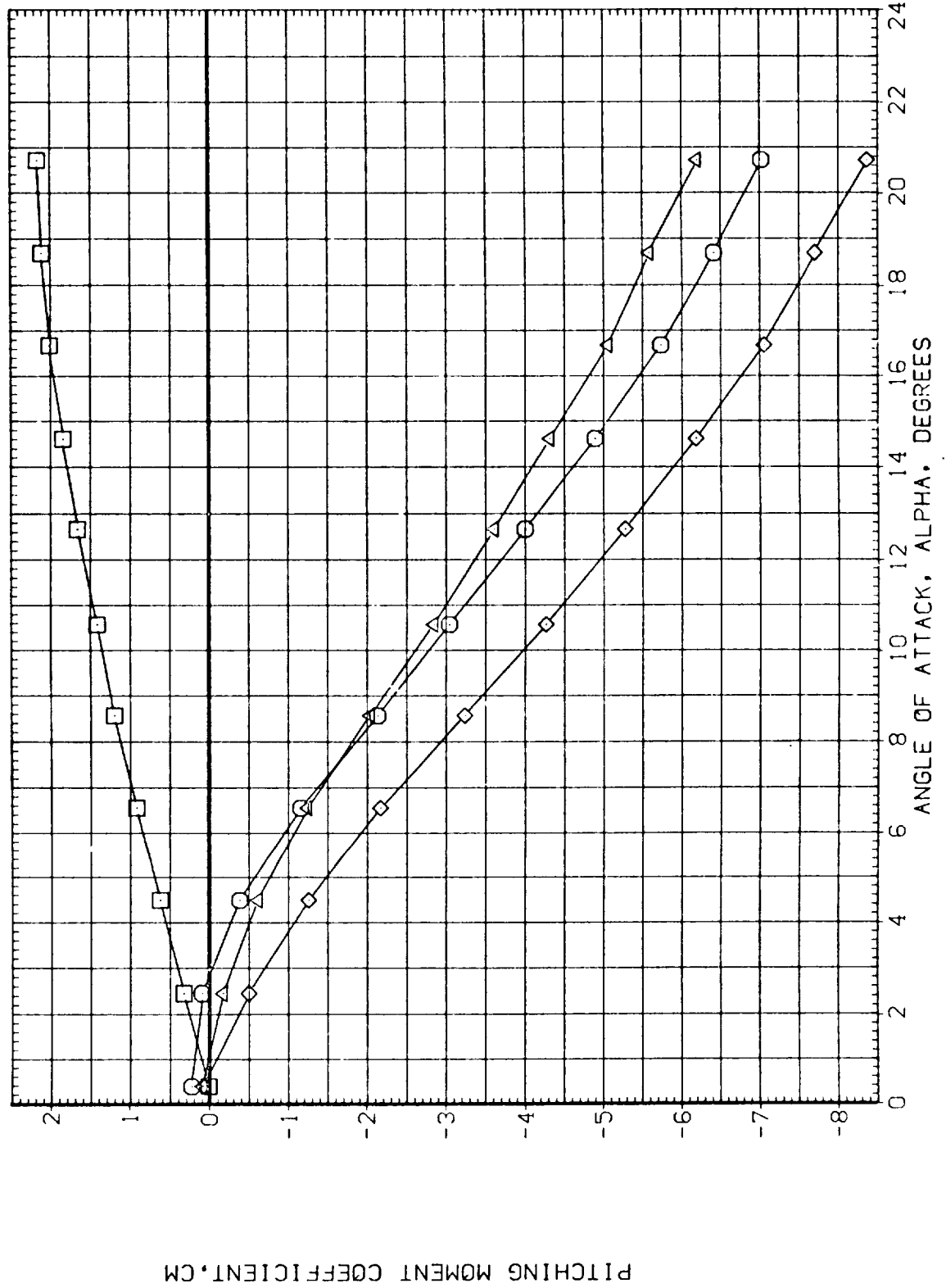


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CM	1.752	BETA .000
□	CMC	.000	D3 .000
◇	CHT	.000	D4 .000
△	CMB	D1-3 .000	D2-4 .000
		PHI-C .000	PHI-T .000

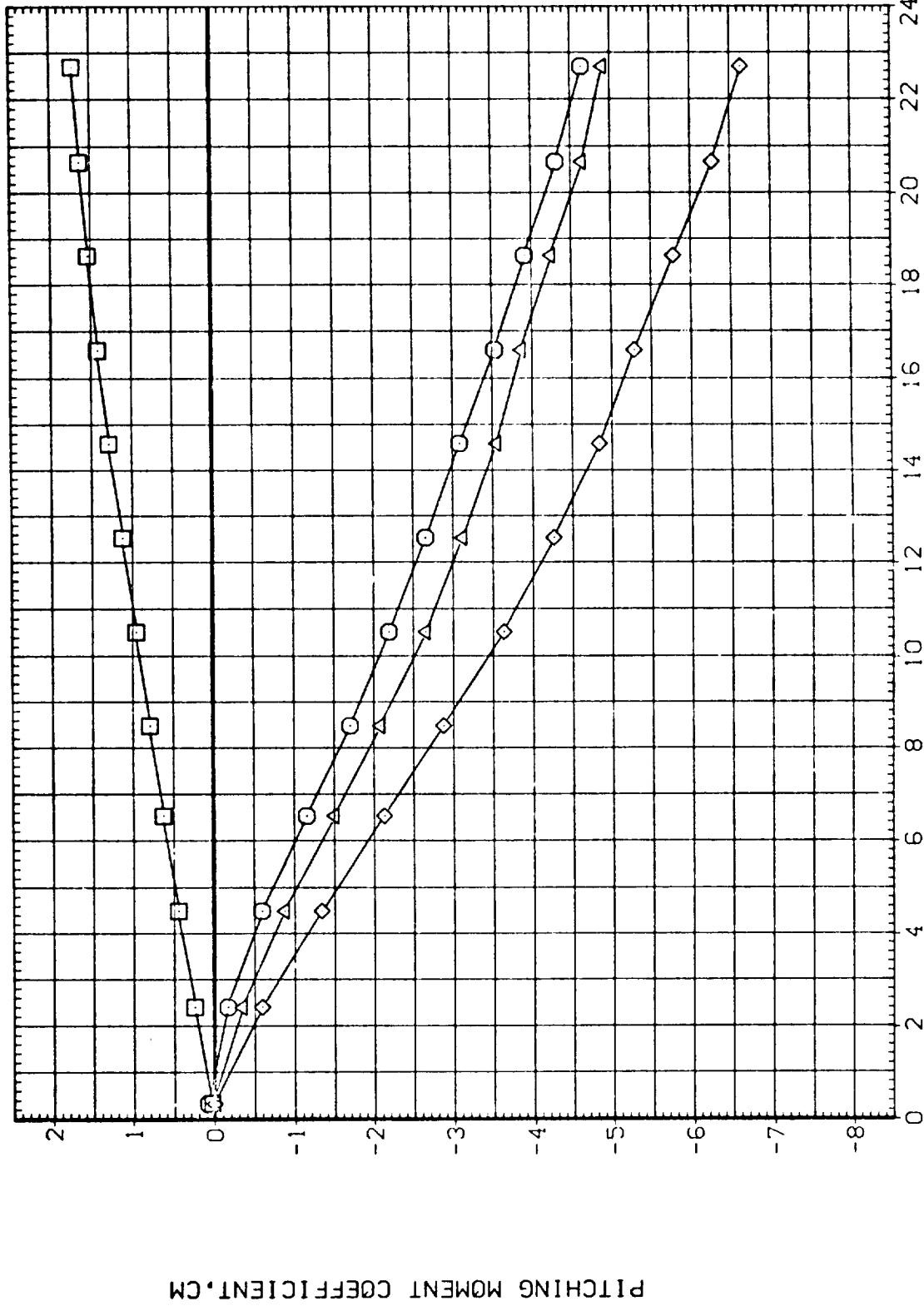


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(0EZ126)

CONFIGURATION 10 (BN3C6T2)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CA		
		.502	BETA .000
		.000	D3 .000
		.000	D4 .000
		.000	D2-4 .000
		.000	PHI-T .000

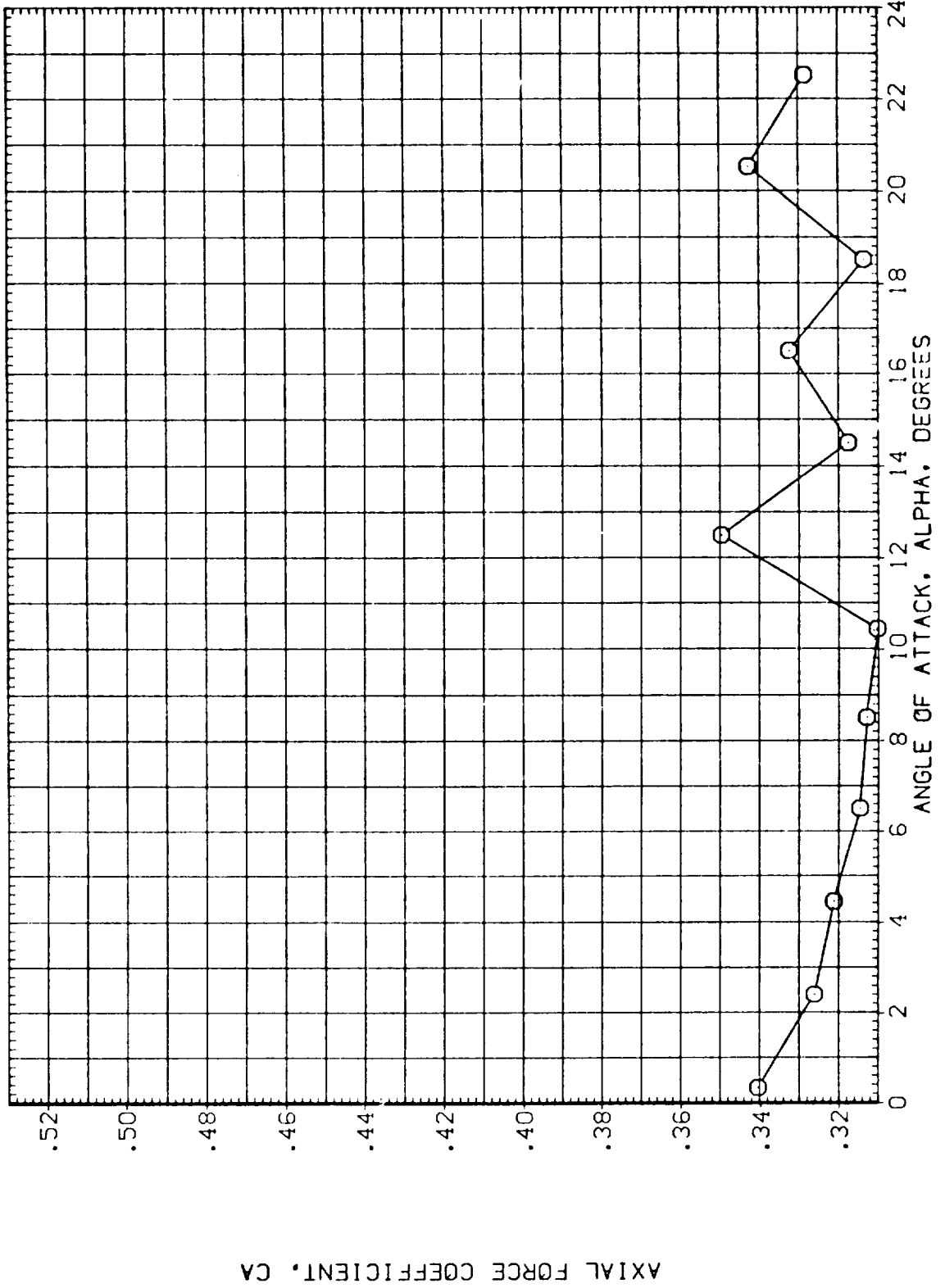


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
O	CA	1.306	BETA .000
		.000	D3 .000
		.000	D4 .000
		.000	D2-4 .000
		.000	PHI-T .000

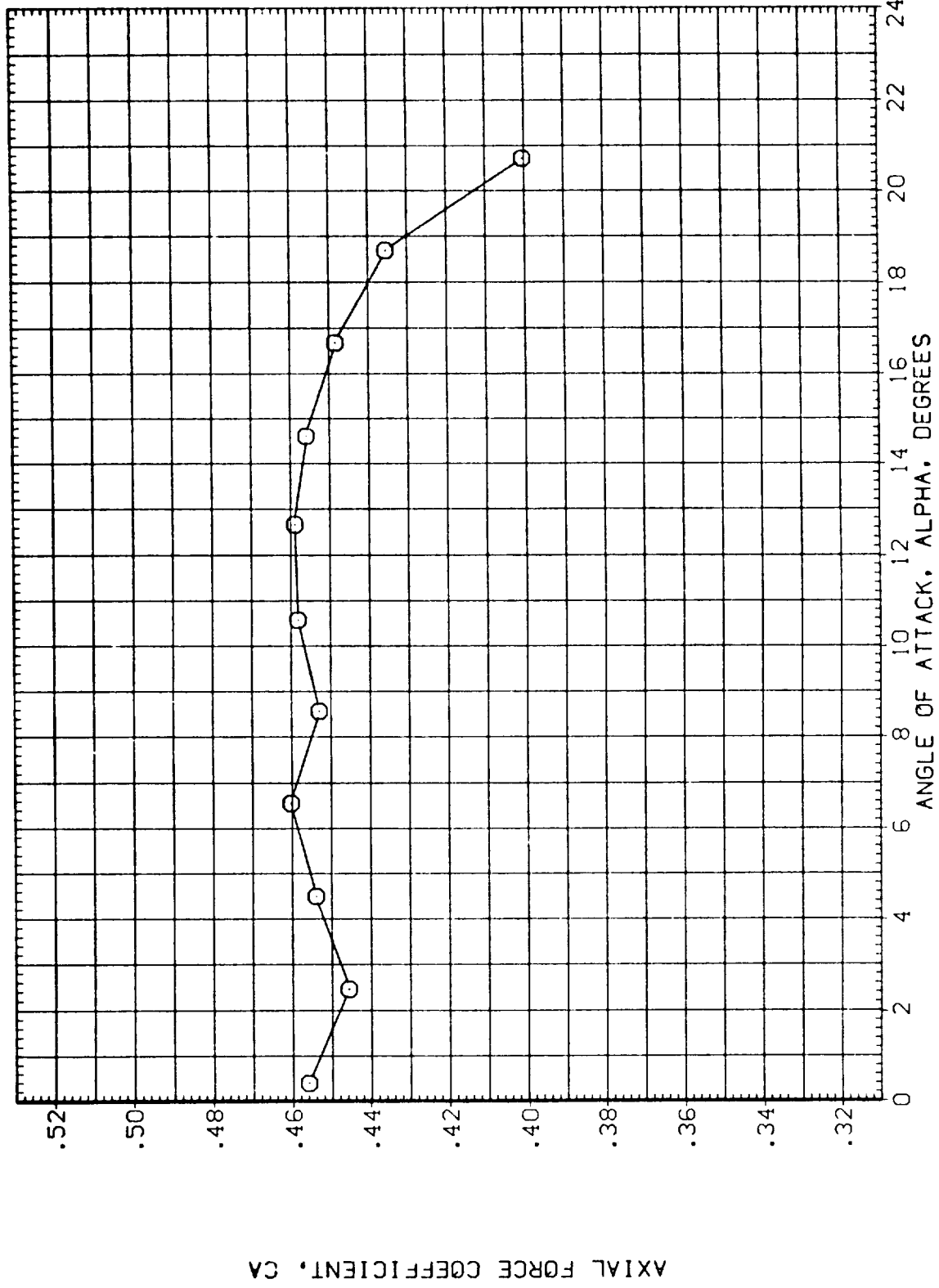


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS



(0EZ126)

CONFIGURATION 10 (BN306T2)

SYMBOL	DATA	PARAMETRIC VALUES
○	CA	MACH 1.752 BETA .000
		D1 .000 D3 .000
		D2 .000 D4 .000
		D1-3 .000 D2-4 .000
		PHI-C .000 PHI-T .000

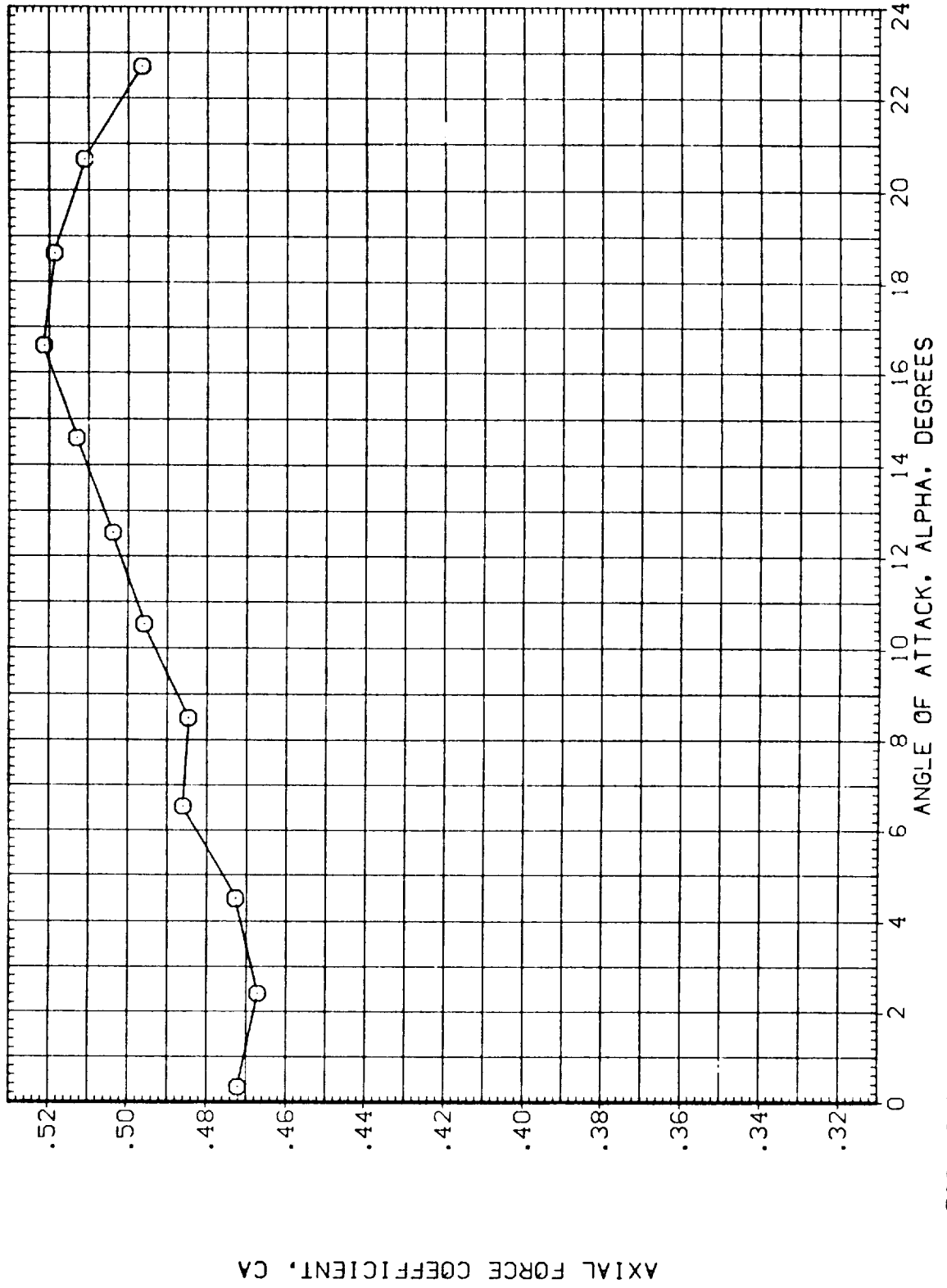


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CY		.802 BETA .000
□	CYC	D1	.000 D3 .000
◇	CYT	D2	.000 D4 .000
△	CYB	D1-3	.000 D2-4 .000
		PHI-C	.000 PHI-T .000

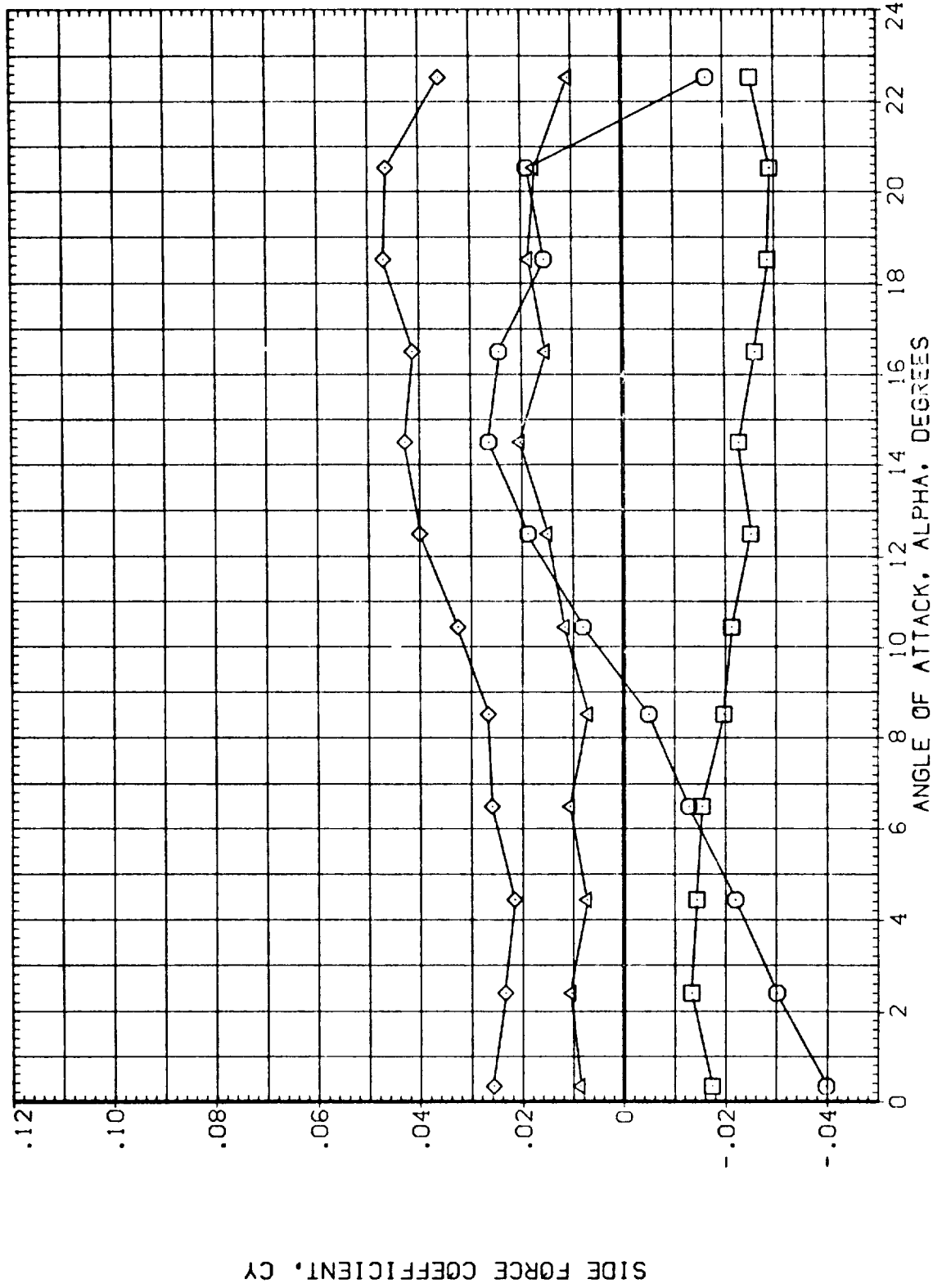


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ126)

CONFIGURATION 10 (BN3C6T2)

DATA	PARAMETRIC VALUES
CY	MACH 1.306 BETA .000
CYC	D1 .000 D3 .000
CYT	D2 .000 D4 .000
CYB	D1-3 .000 D2-4 .000
	PHI-C .000 PHI-T .000

SYMBOL  
○ □ ◇ △

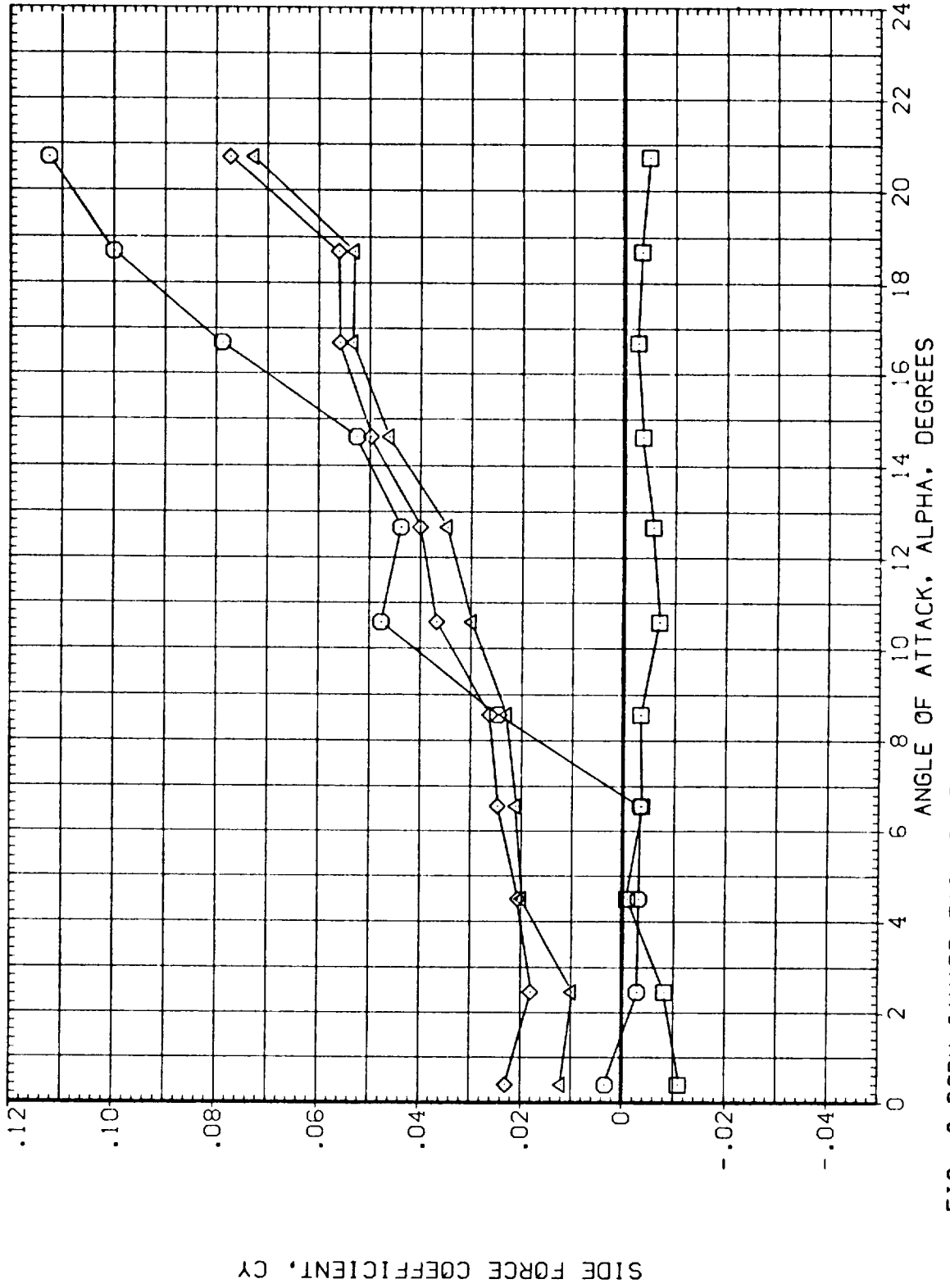


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

DATA	PARAMETRIC VALUES
CY	1.752
CYC	BETA .000
CYT	D1 .000
CYB	D2 .000
	D3 .000
	D4 .000
	D1-3 .000
	D2-4 .000
	PHI-C .000
	PHI-T .000

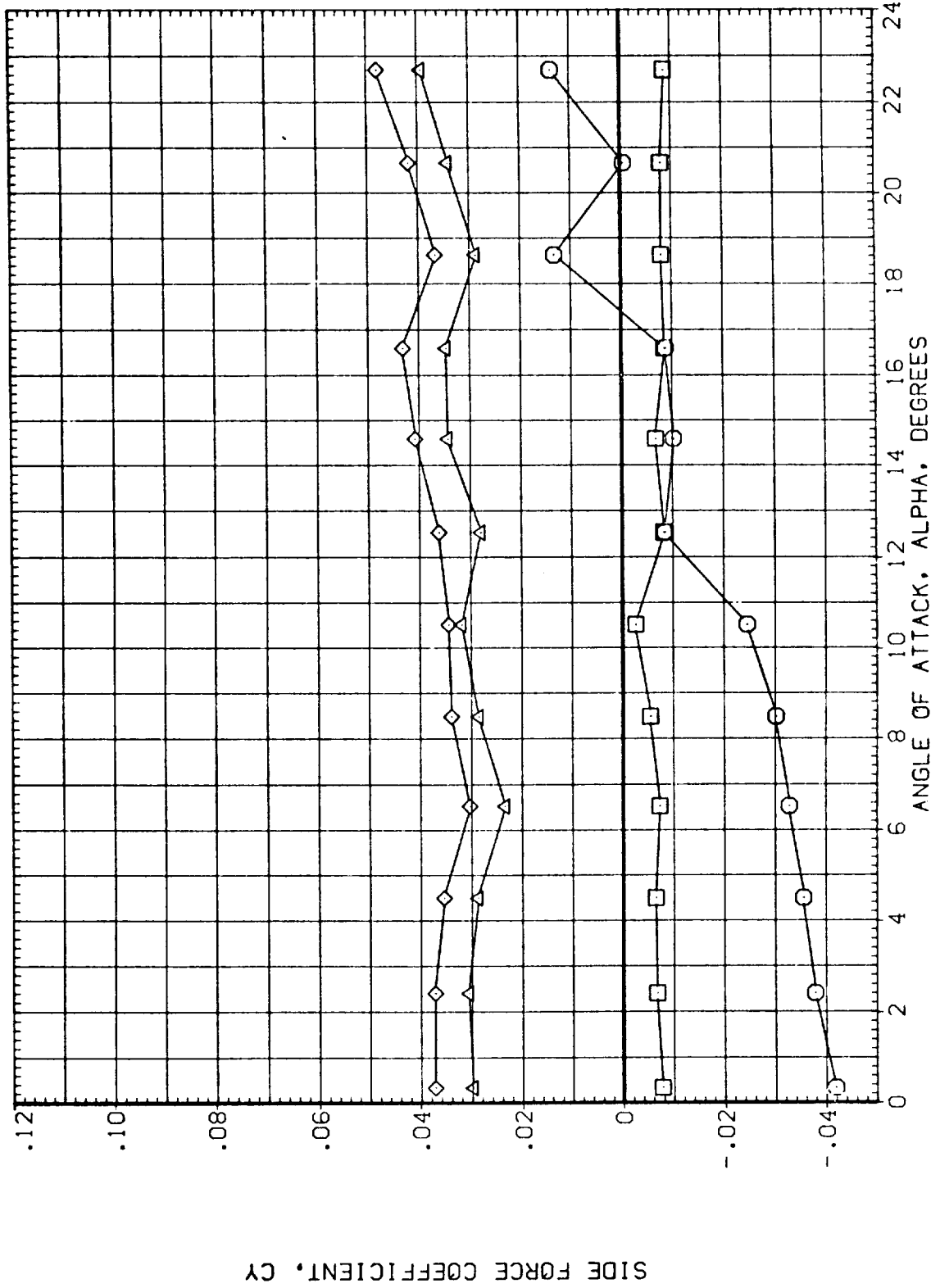


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ126)

CONFIGURATION 10 (BN3C6T2)

SYMBOL		PARAMETRIC VALUES	
○	CYM	MACH	BETA
□	CYMC	D1	D3
◇	CYMT	D2	D4
△	CYMB	D1-3	D2-4
		PHI-C	PHI-T

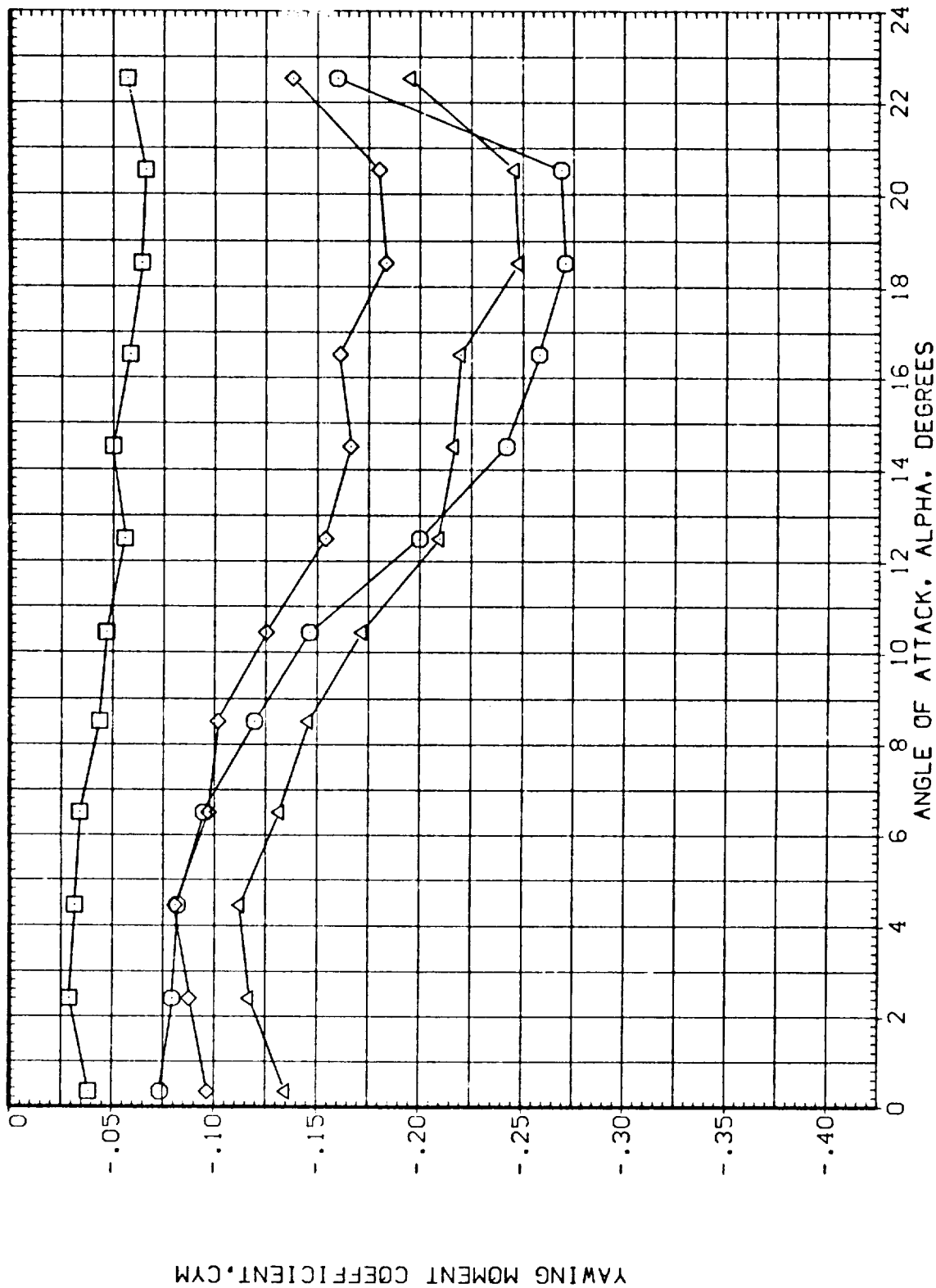


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	MACH	PARAMETRIC VALUES	
CYM	1.306	BETA	.000
CYMC	D1	D3	.000
CYMT	D2	D4	.000
CYMB	D1-3	D2-4	.000
	PHI-C	PHI-T	.000

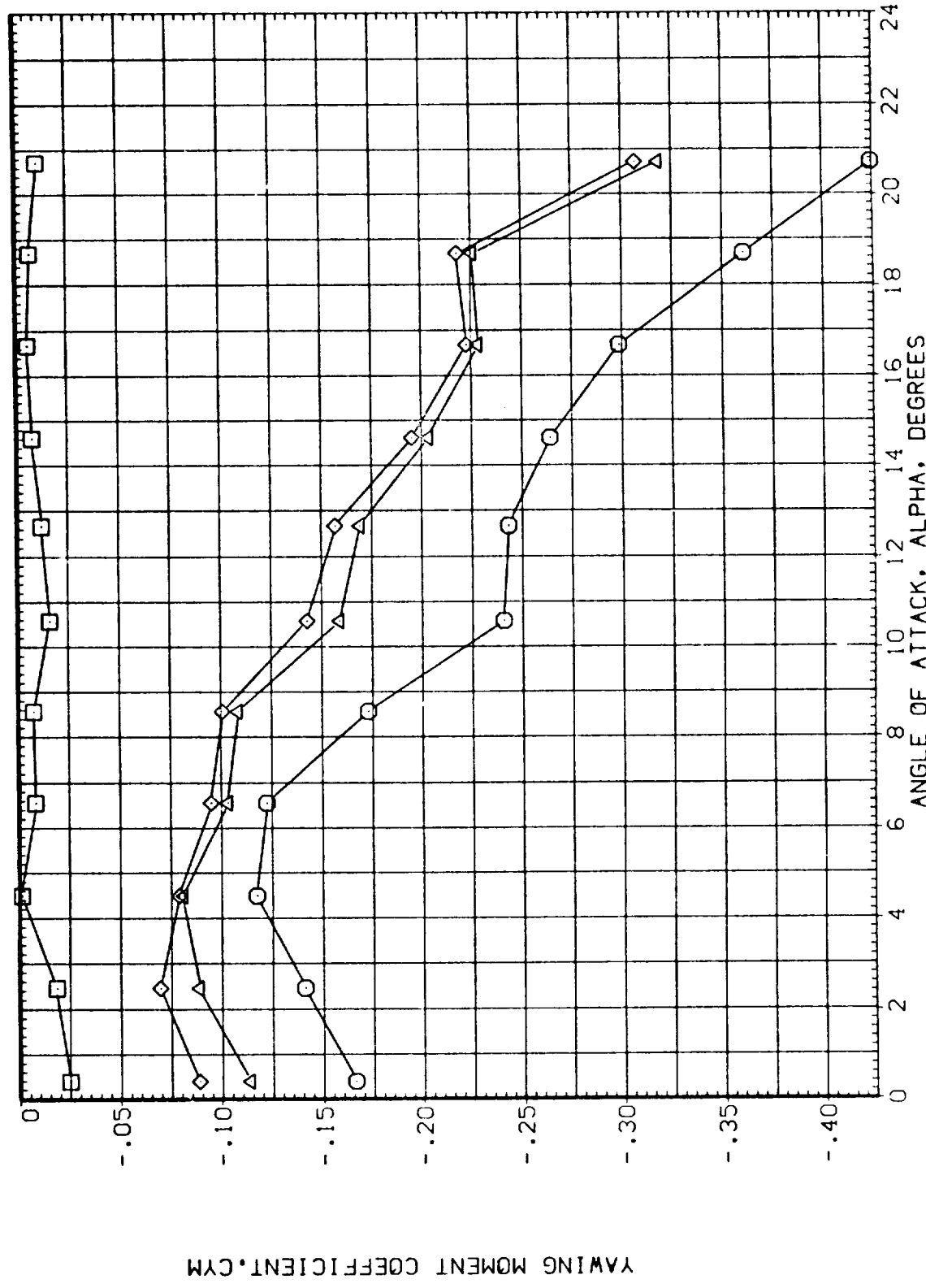


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ126)

CONFIGURATION 10 (BN3C6T2)

DATA		PARAMETRIC VALUES			
CYM	MACH	1	.52	BETA	.000
CYMC	D1	.000	D3		.000
CYMT	D2	.000	D4		.000
CYMB	D1-3	.000	D2-4		.000
	PHI-C	.000	PHI-T		.000

SYMBOL  
○ □ ◇ △

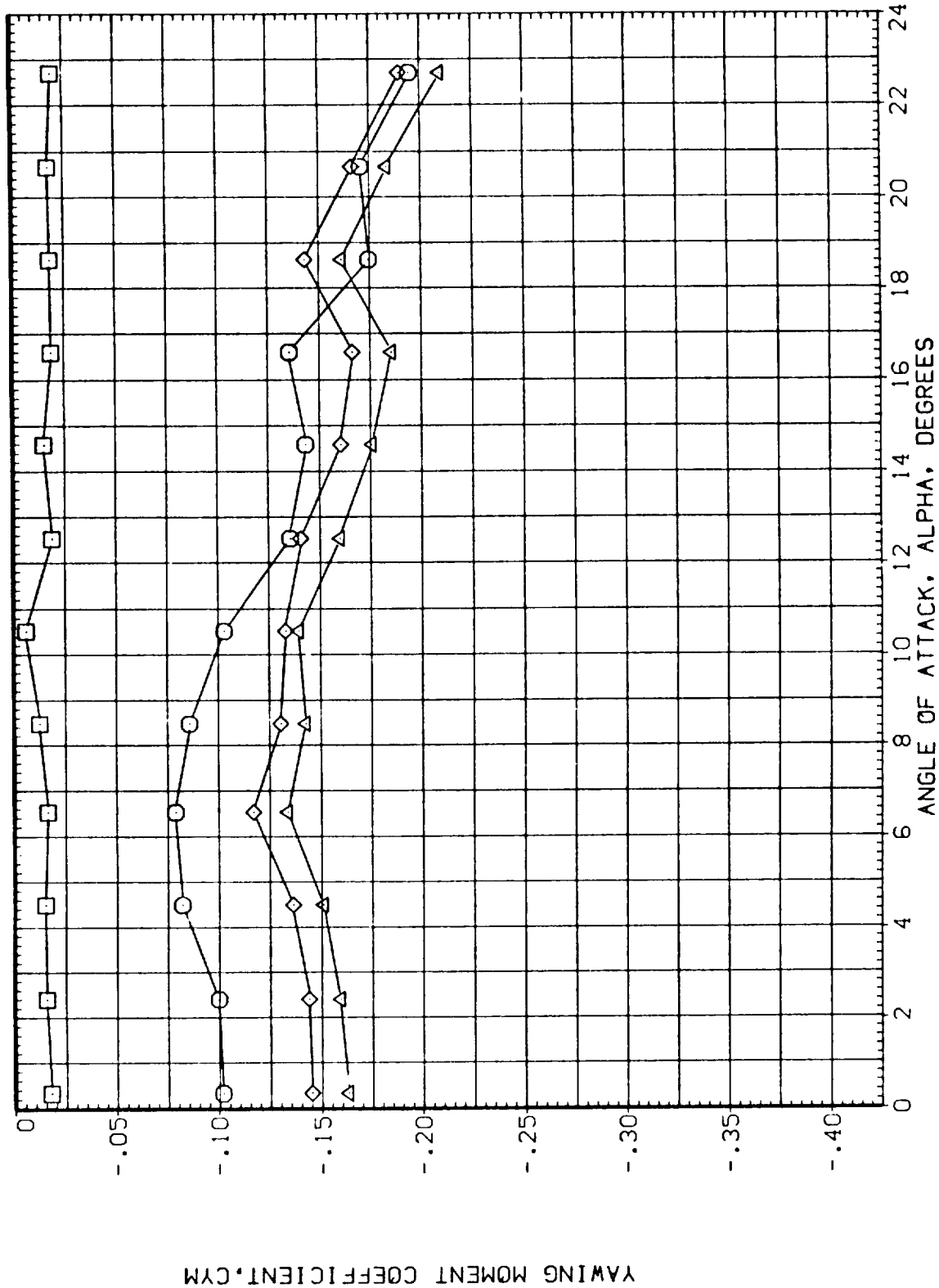


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA		PARAMETRIC VALUES			
CRM	MACH	.802	BETA	.000	
CRMC	D1	.000	D3	.000	
CRMT	D2	.000	D4	.000	
CRMB	D1-3	.000	D2-4	.000	
	PHI-C	.000	PHI-T	.000	

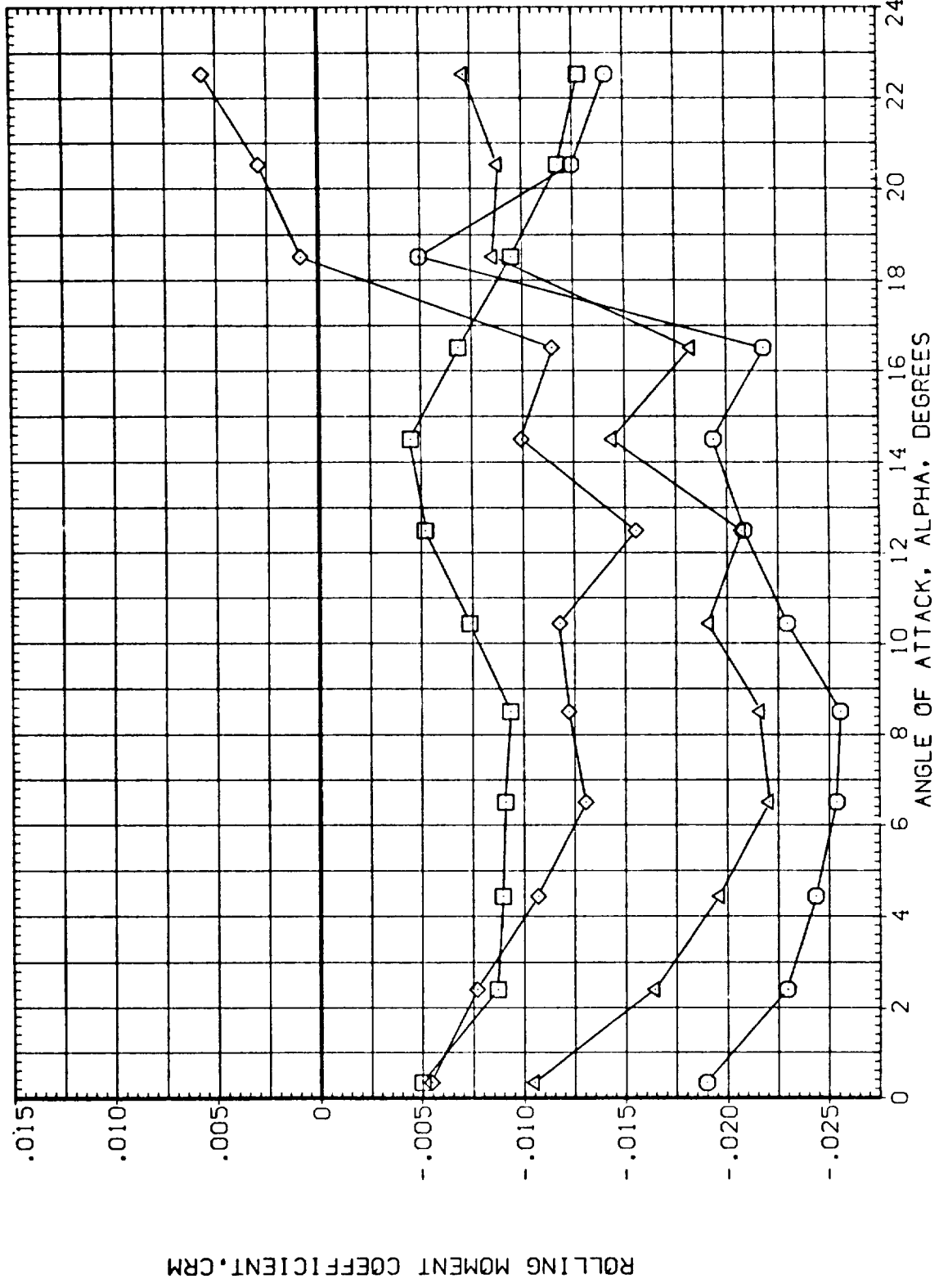


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS



(NEZ126)

CONFIGURATION 1C (BN3C6T2)

DATA		PARAMETRIC VALUES			
CRY	MACH	1.306	BETA	.000	
CRM	D1	.000	D3	.000	
CRMT	D2	.000	D4	.000	
CRMB	D1-3	.000	D2-4	.000	
	PHI-C	.000	PHI-T	.000	

SYMBOL  
○ □ ◇ △

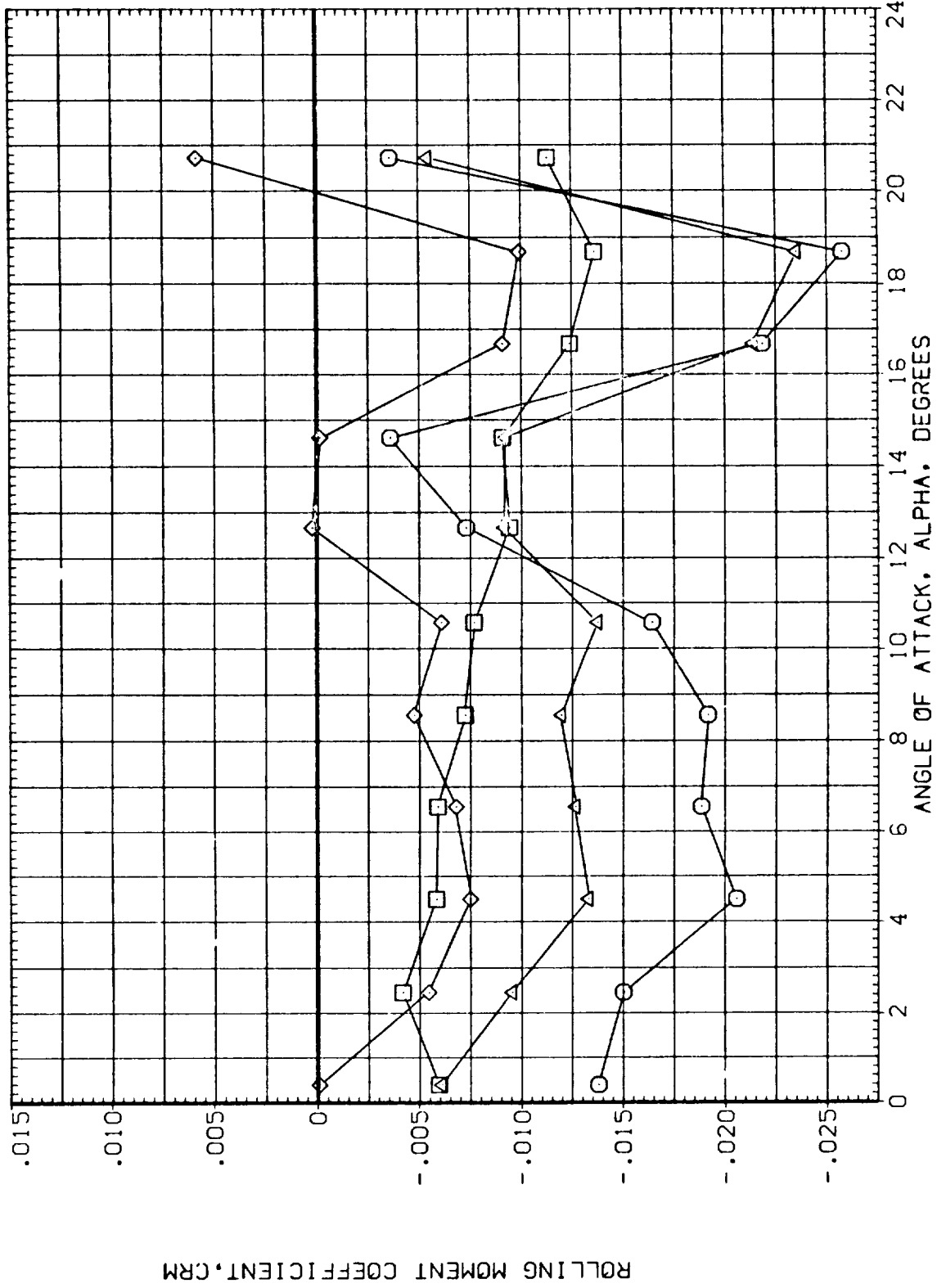


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

DATA	MACH	PARAMETRIC VALUES	
CRM	1.752	BETA	.000
CRMC	D1	D3	.000
CRMT	D2	D4	.000
CRMB	D1-3	D2-4	.000
	PHI-C	PHI-T	.000

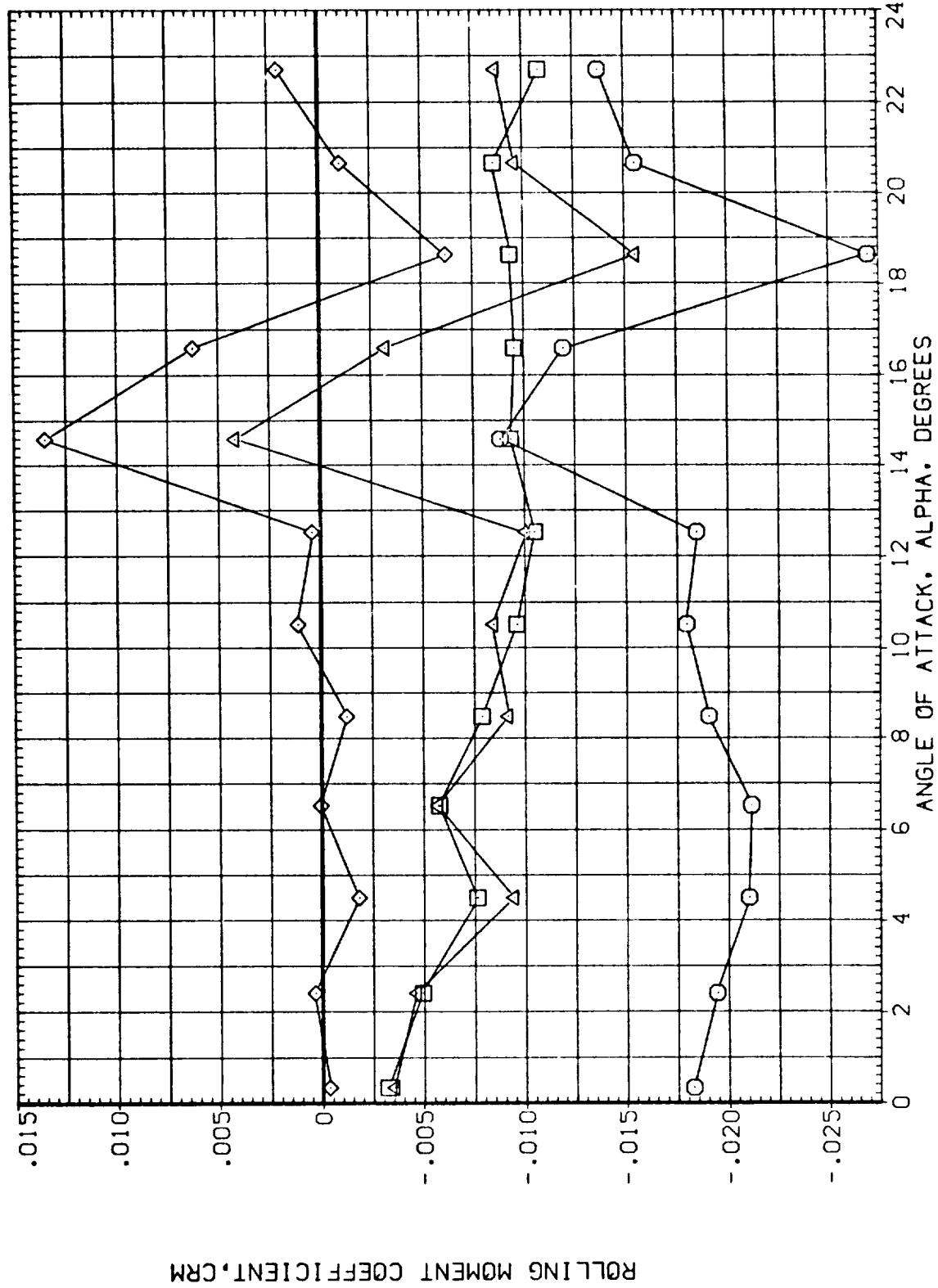


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

(LEZ125)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CN	.801	BETA .000
□	CNC	.000	D3 .000
◇	CNT	5.000	D4 5.000
△	CNB	.000	D2-4 5.000
		PHI-C	PHI-T .000

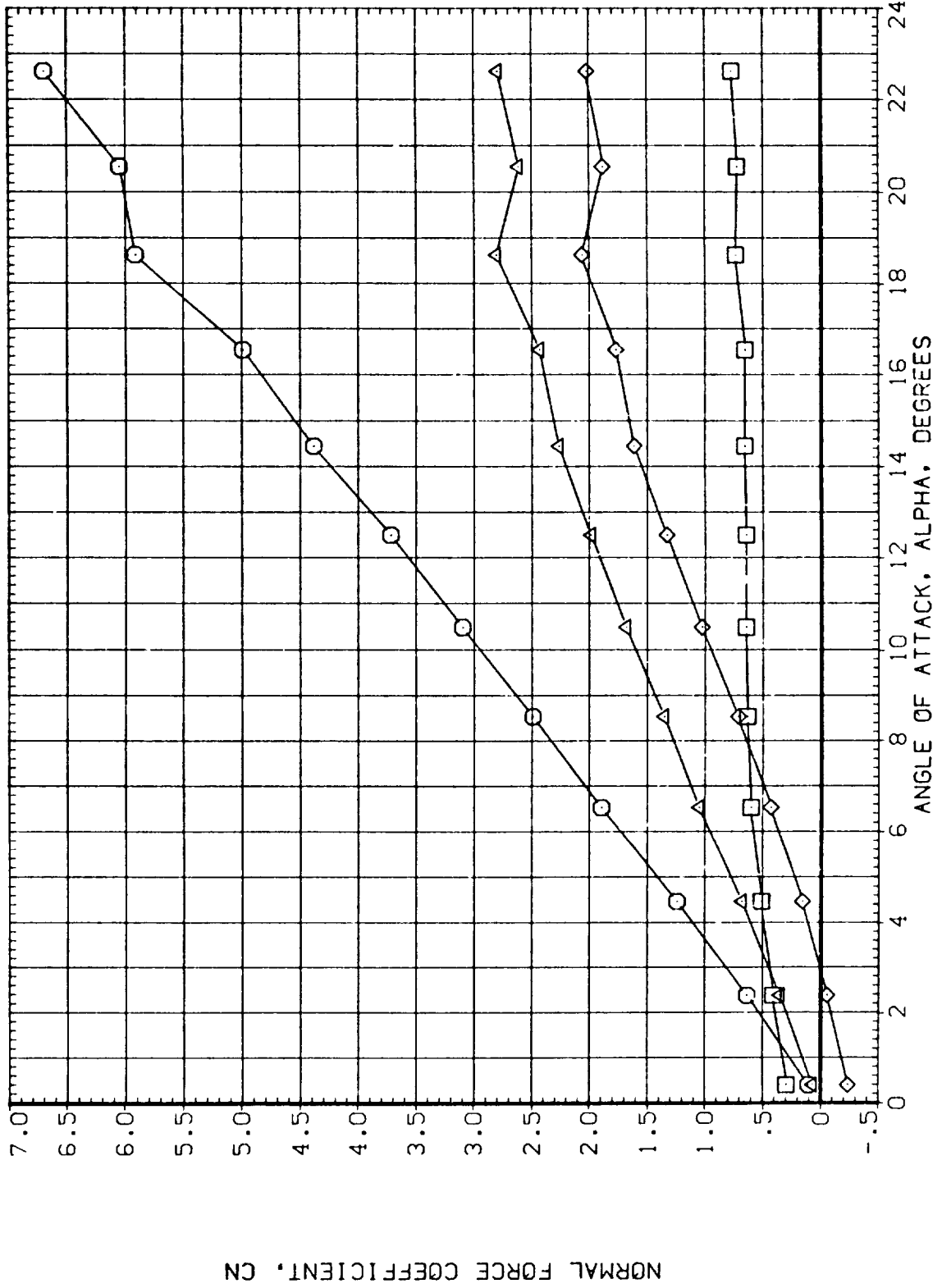


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

DATA	MACH	PARAMETRIC VALUES
CN	1.306	BETA .000
CNC	D1	D3 .000
CNT	D2	D4 5.000
CNB	D1-3	D2-4 5.000
	PHI-C	PHI-T .000

SYMBOL  
 ○ □ ◇ △

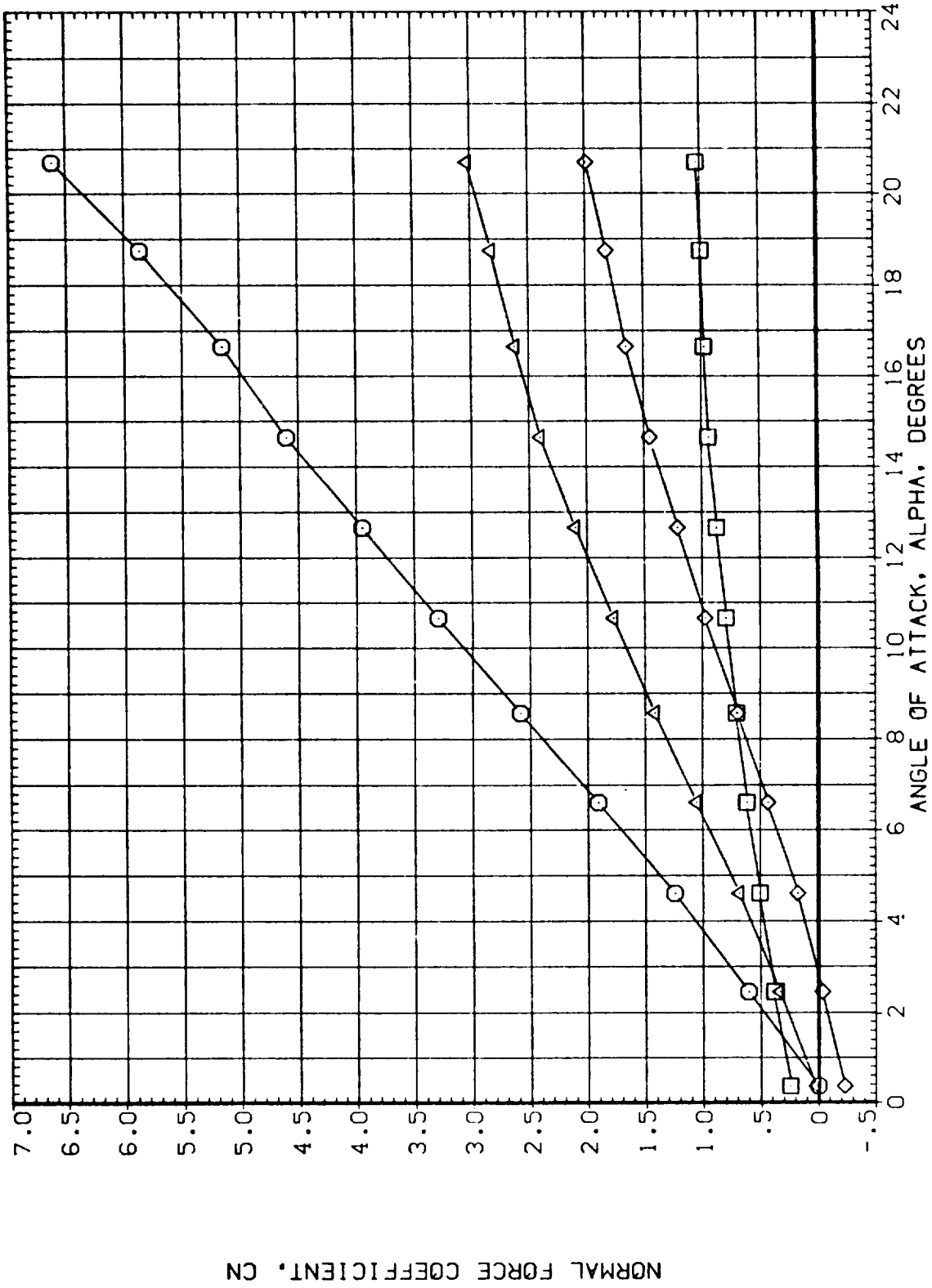


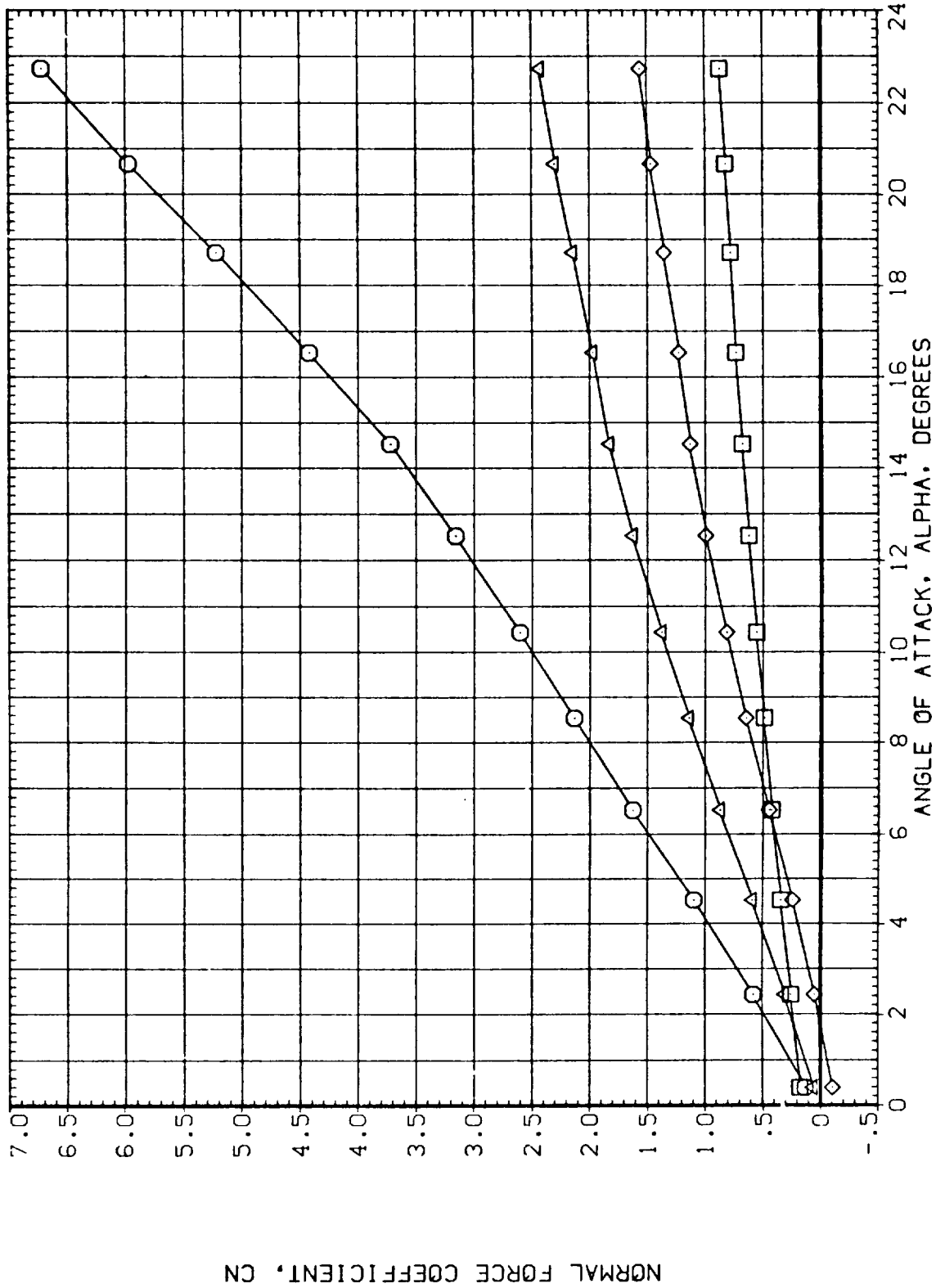
FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ125)

CONFIGURATION 10 (BN3C6T2)

DATA	PARAMETRIC VALUES
CN	1.755 BETA .000
CNC	D1 .000 D3 .000
CNT	D2 5.000 D4 5.000
CNB	D1-3 .000 D2-4 5.000
	PHI-C .000 PHI-T .000

SYMBOL  
○ □ ◇ △



NORMAL FORCE COEFFICIENT, CN

FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL	DATA	PARAMETRIC VALUES
○	CM	.801
□	CMC	.000
◇	CHT	5.000
△	CHB	.000
	MACH	BETA
	D1	D3
	D2	D4
	D1-3	D2-4
	PHI-C	PHI-T

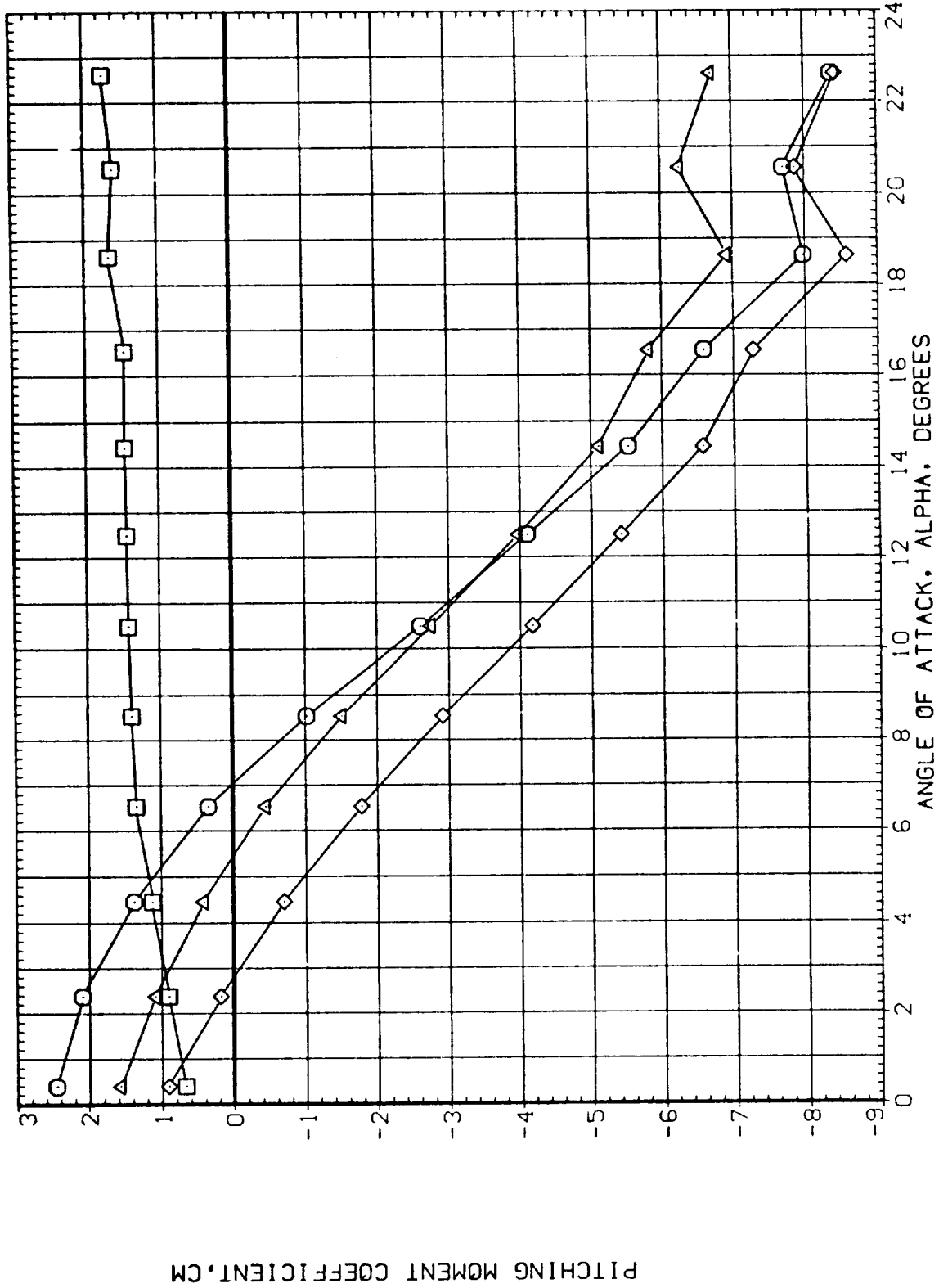


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ125)

CONFIGURATION 10 (SN3C6T2)

SYMBOL	DATA	PARAMETRIC VALUES
○	CH	MACH 1.306 BETA .000
□	CMC	D1 .000 D3 .000
◇	CMT	D2 5.000 D4 5.000
△	CMB	D1-3 .000 D2-4 5.000
		PHI-C .000 PHI-T .000

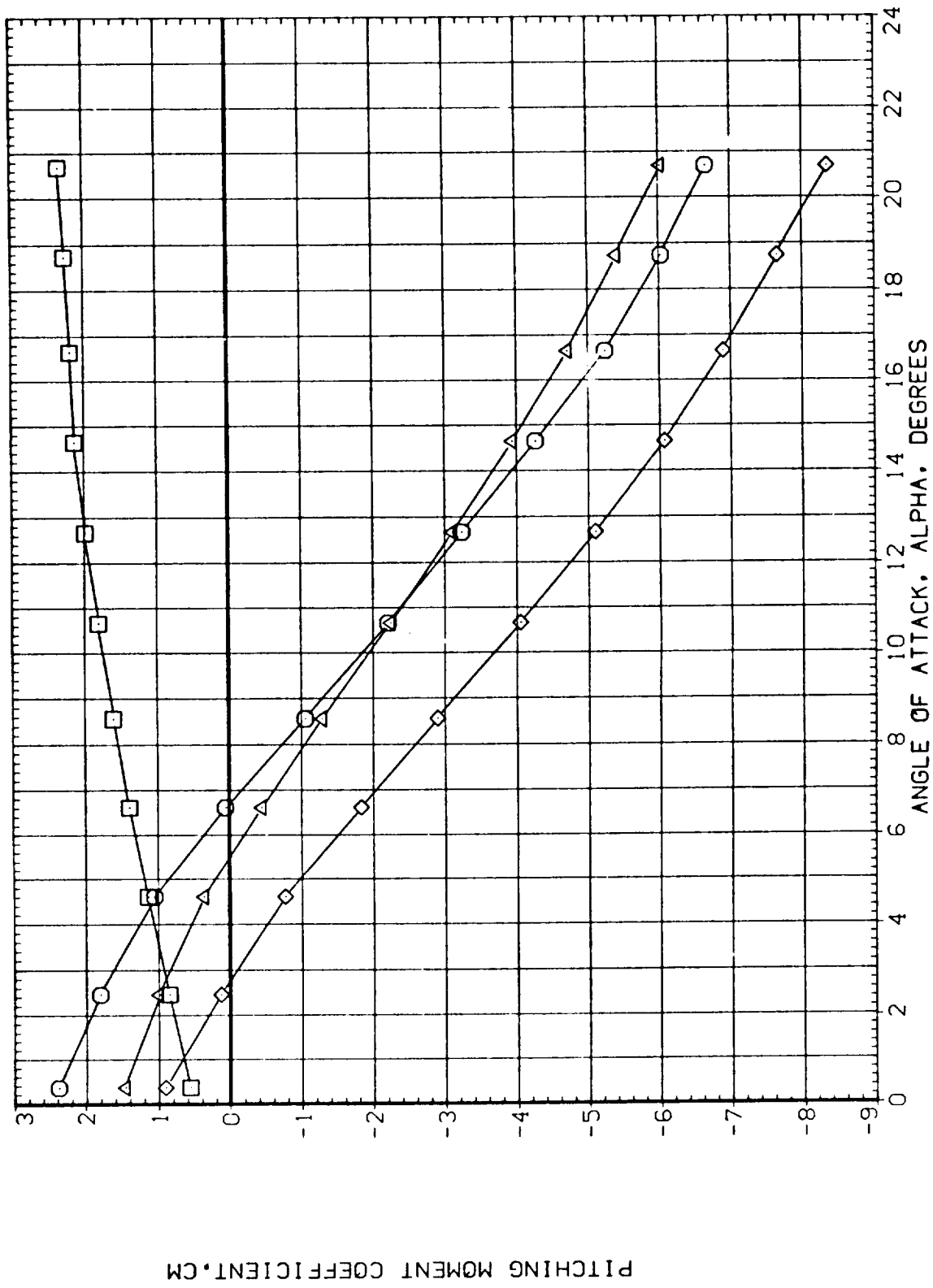


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CM	01	1.753 BETA .000
□	CMC	02	.000 D3 .000
◇	CHT	01-3	5.000 D4 5.000
△	CMB	01-3	.000 D2-4 5.000
		PHI-C	.000 PHI-T .000

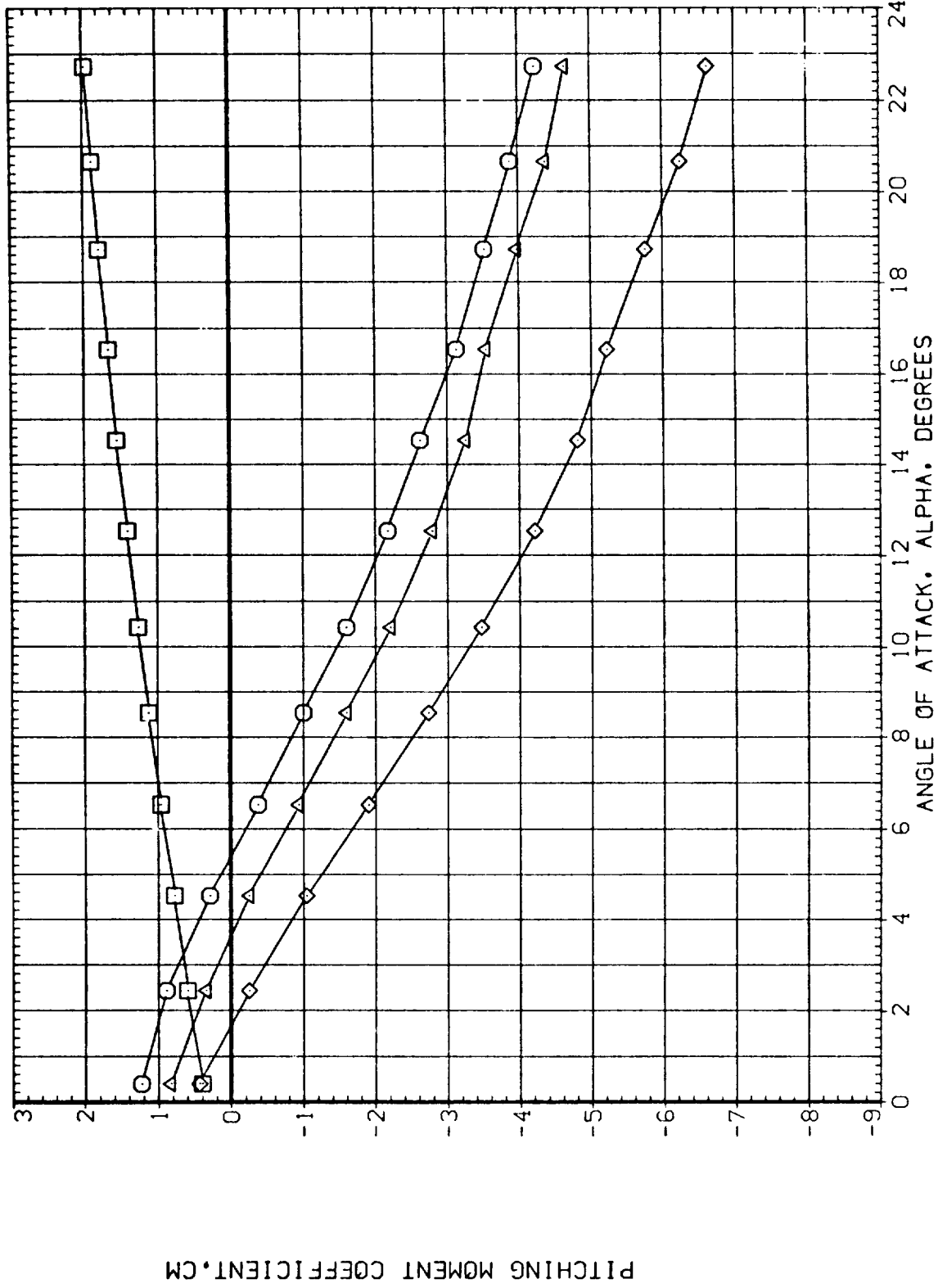


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS



(0EZ125)

CONFIGURATION 1C (BN3C6T2)

SYMBOL	DATA	PARAMETRIC VALUES			
		MACH	BETA		
○	CA	.801	.000	.000	.000
		D1	.000	D3	.000
		D2	5.000	D4	5.000
		D1-3	.000	D2-4	5.000
		PHI-C	.000	PHI-T	.000

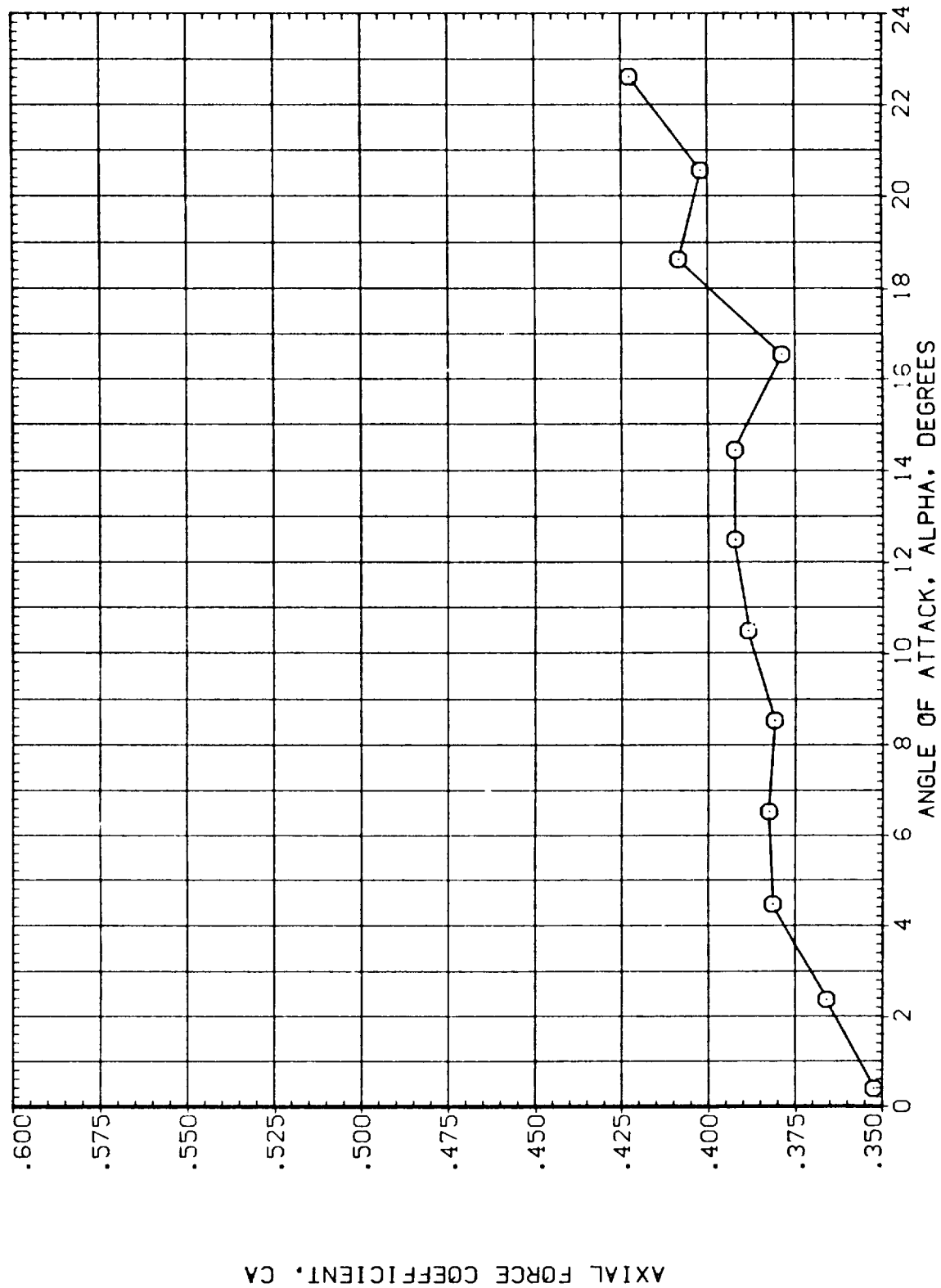


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(0EZ125)

CONFIGURATION 10 (BN3C6T2)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CA	D1	BETA .000
		D2	D3 .000
		D1-3	D4 5.000
		PHI-C	D2-4 5.000
			PHI-T .000

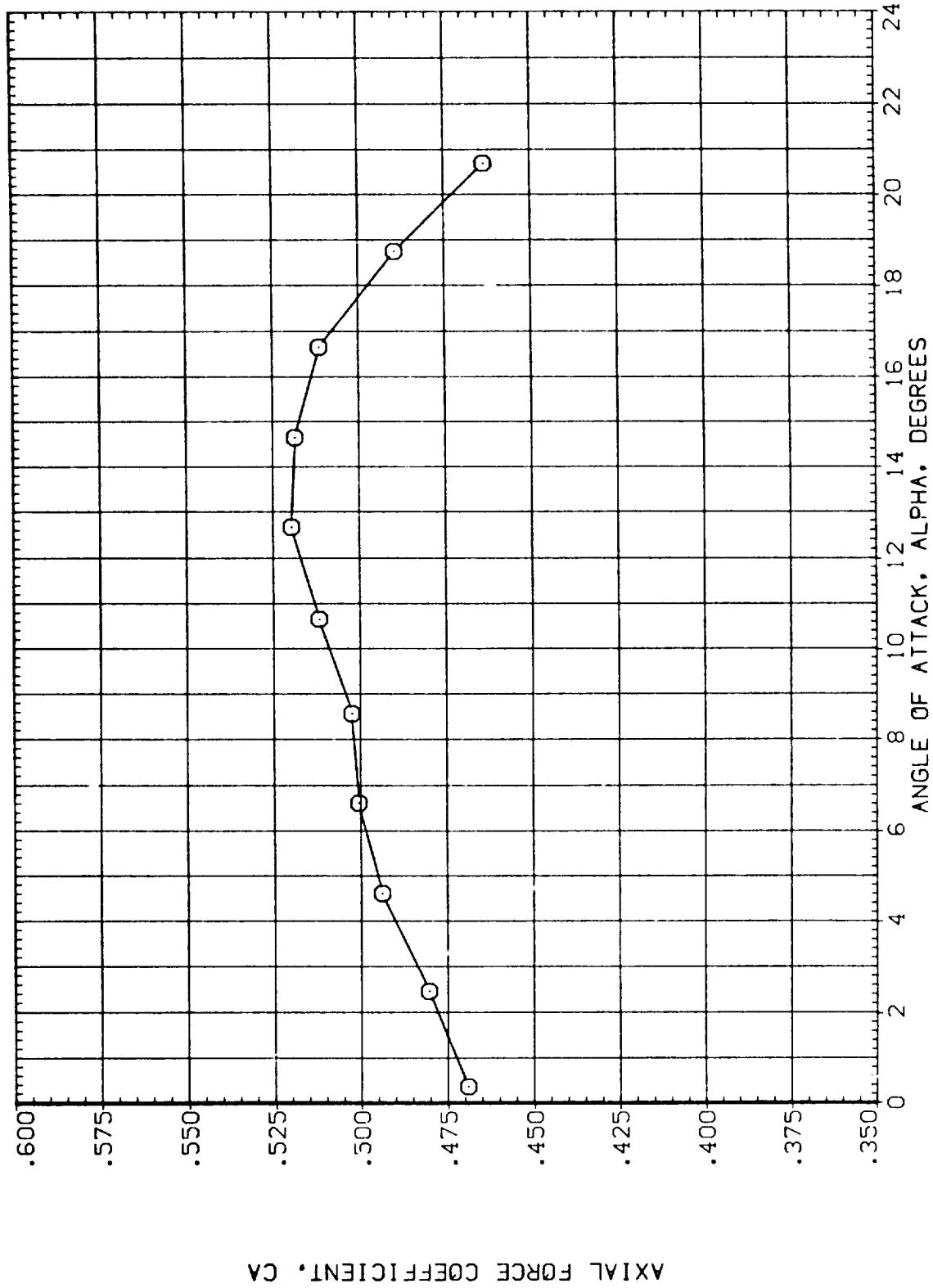


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(0EZ125)

CONFIGURATION 10 (EN3CS12)

SYMBOL	DATA	PARAMETRIC VALUES
O	CA	MACH 1.753 BETA .000
		D1 .000 D3 .000
		D2 5.000 D4 5.000
		D1-3 .000 D2-4 5.000
		PHI-C .000 PHI-T .000

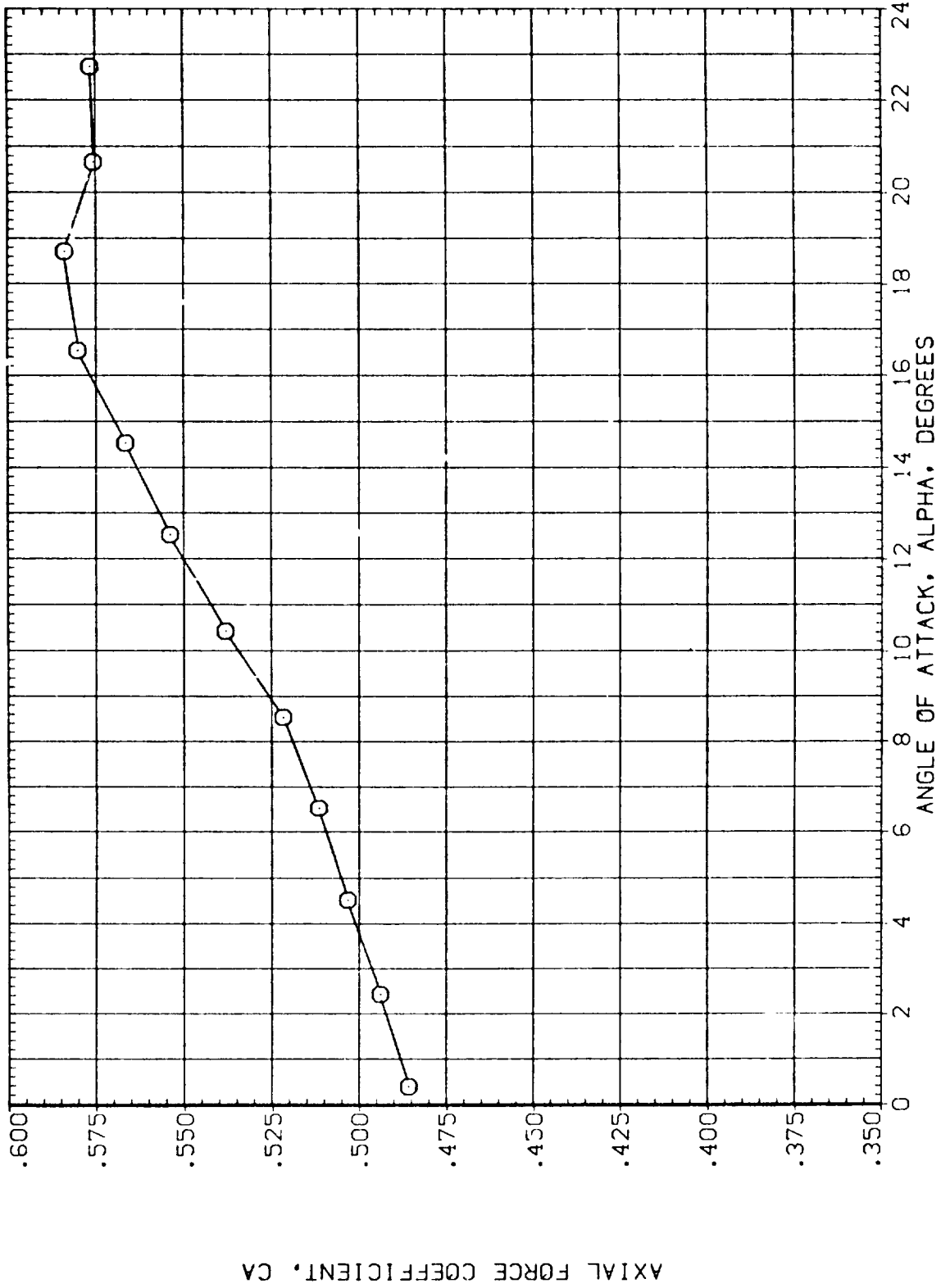


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

DATA	PARAMETRIC VALUES
CY	.801 BETA .000
CYC	.000 D3 .000
CYT	5.000 D4 5.000
CYB	.000 D2-4 5.000
	PHI-C .000
	PHI-T .000

SYMBOL  
○  
□  
◇  
△

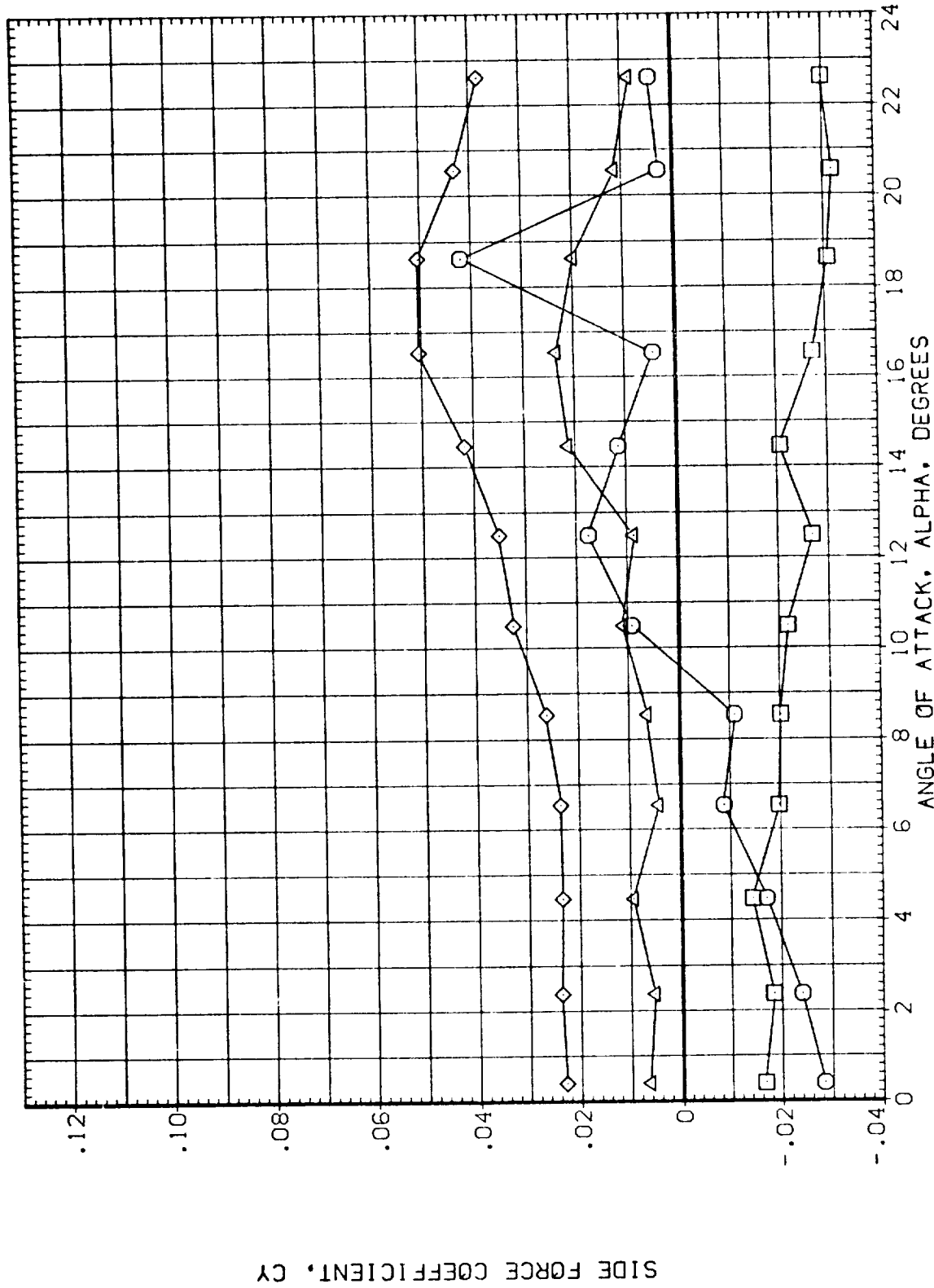


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

(MEZ125)

DATA		PARAMETRIC VALUES			
CY	MACH	1.306	BETA	.000	
CYC	D1	.000	D3	.000	
CYT	D2	5.000	D4	5.000	
CYB	D1-3	.000	D2-4	5.000	
	PHI-C	.000	PHI-T	.000	

○ □ ◇ △  
 ○ □ ◇ △

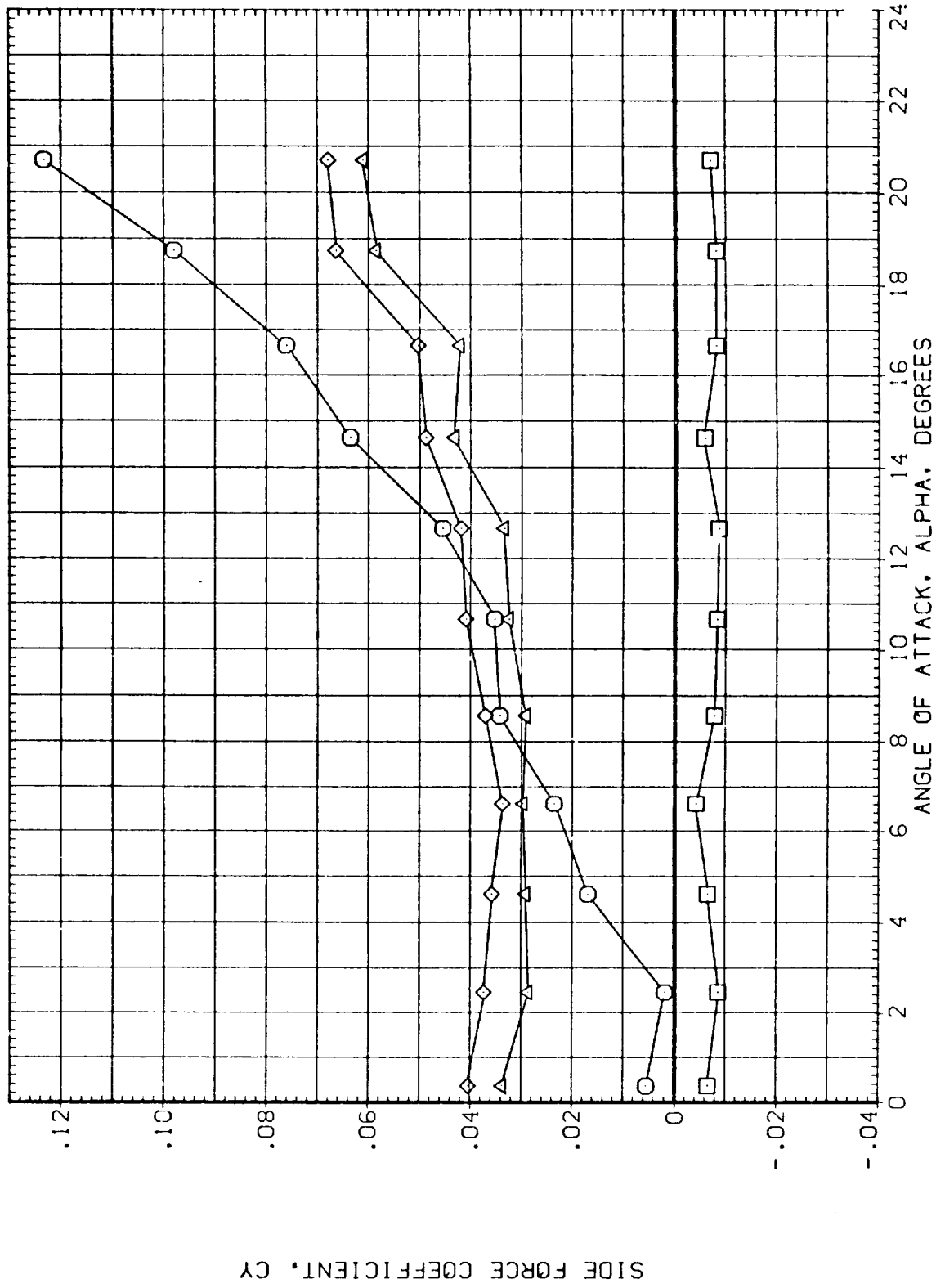


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

DATA	PARAMETRIC VALUES
CY	MACH 1.753 BETA .000
CYC	D1 .000 D3 .000
CYT	D2 5.000 D4 5.000
CYB	D1-3 .000 D2-4 5.000
	PHI-C .000 PHI-T .000

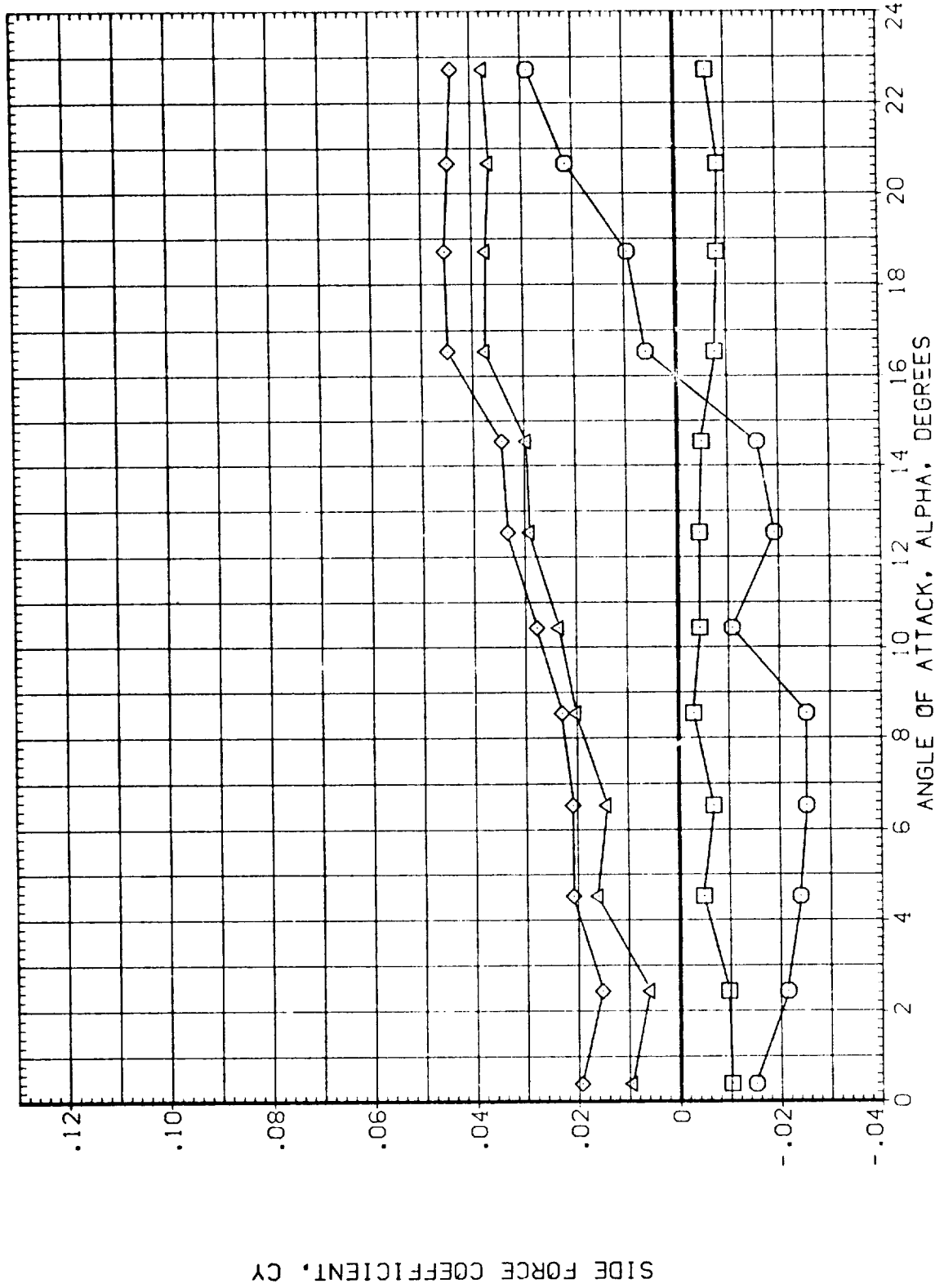


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ125)

CONFIGURATION 10 (BN3C6T2)

DATA	PARAMETRIC VALUES
CYM	.801
CYMC	.000
CYMT	.000
CYMB	5.000
MACH	.000
D1	5.000
D2	.000
D1-3	5.000
PHI-C	.000
BETA	.000
D3	.000
D4	5.000
D2-4	5.000
PHI-T	.000

SYMBOL  
○ □ ◇ △

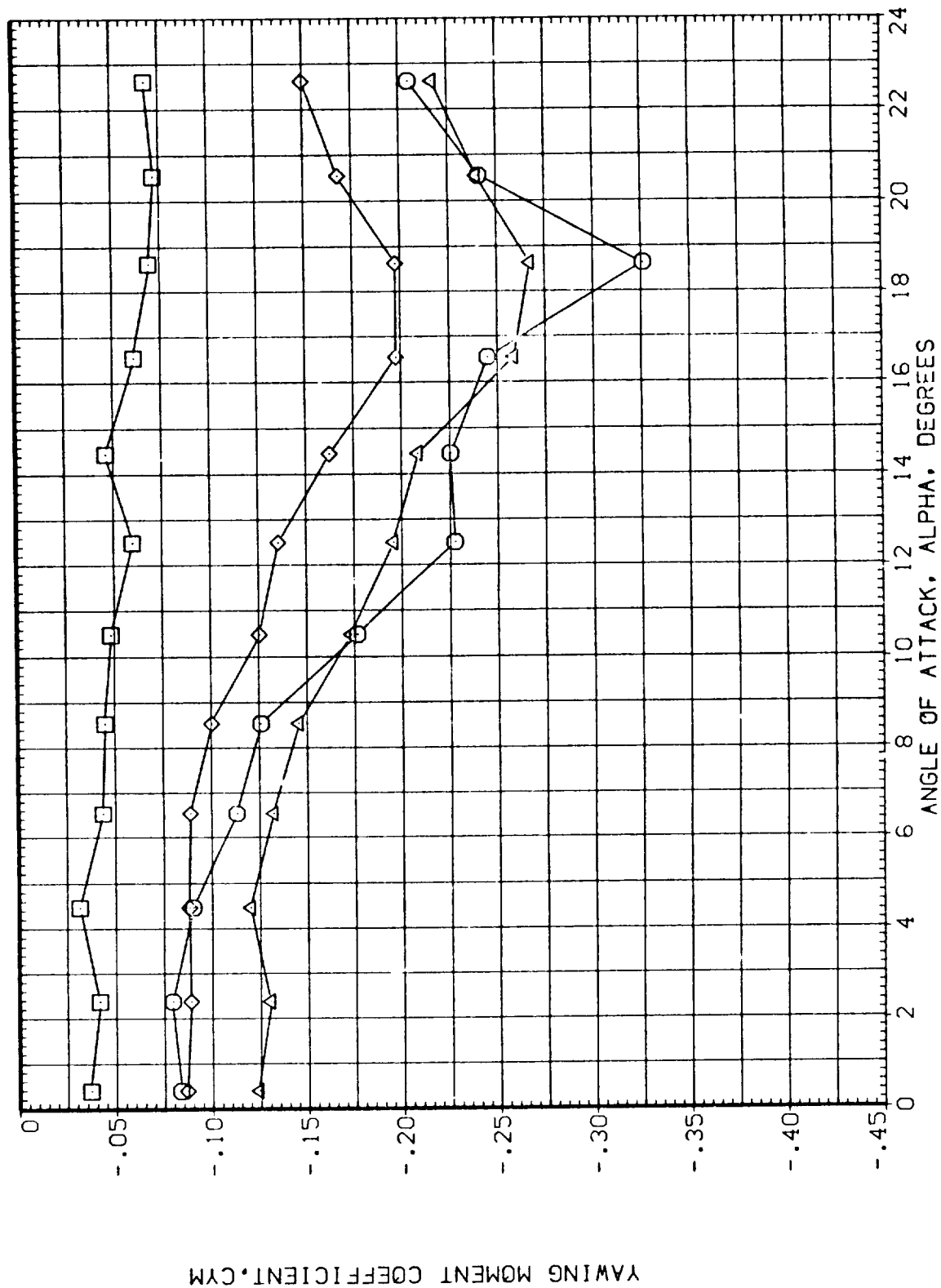


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

DATA	PARAMETRIC VALUES
CYM	1.306 BETA .000
CYMC	.000 D3 .000
CYMT	5.000 D4 5.000
CYMB	.000 D1-3 .000 D2-4 5.000
PHI-C	.000 PHI-T .000

SYMBOL	
○	
□	
◇	
△	

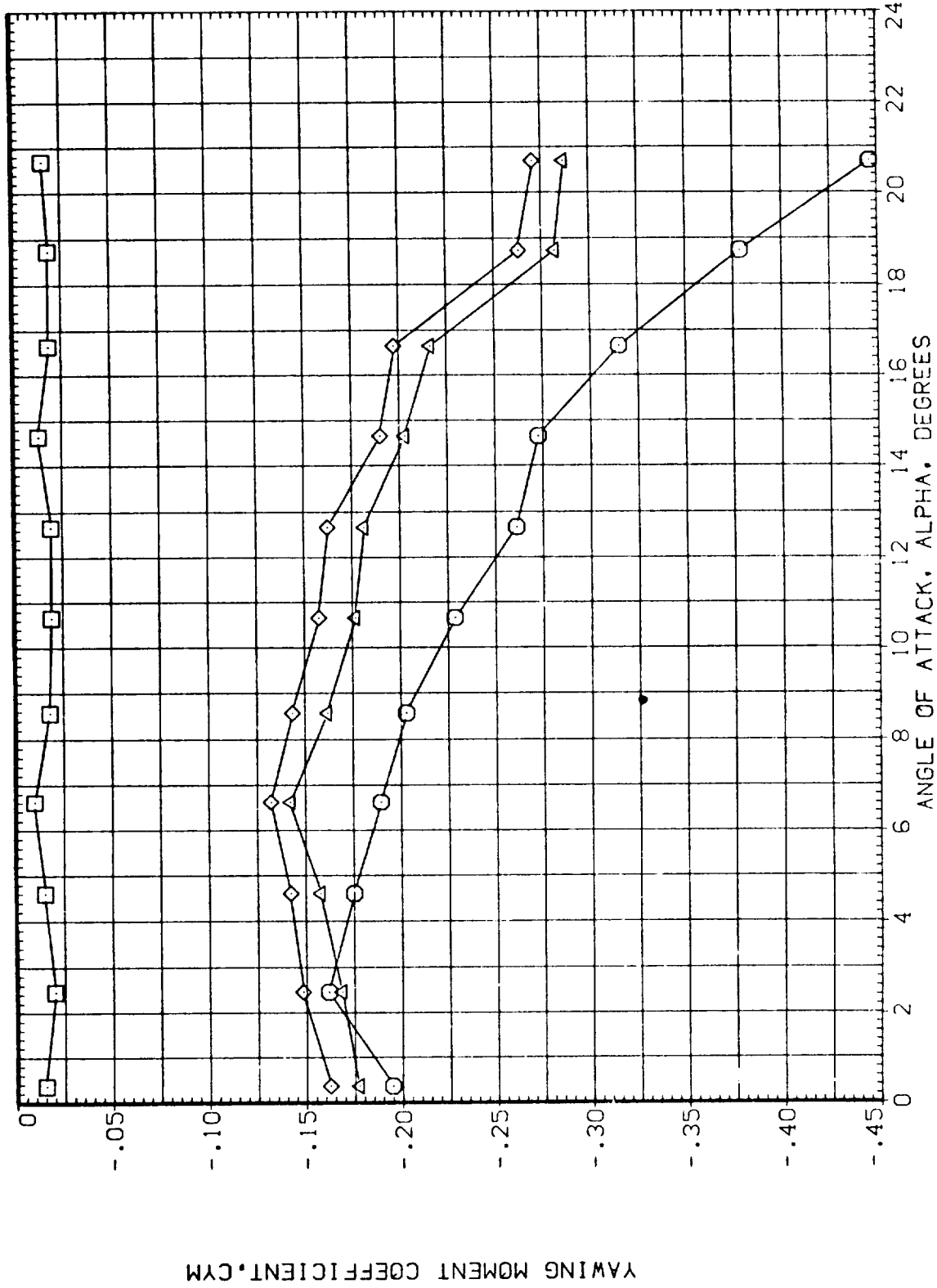


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS



(MEZ125)

CONFIGURATION 10 (BN3C6T2)

SYMBOL  
○  
□  
◇  
△

DATA  
CYM  
CYMC  
CYMT  
CYMB

PARAMETRIC VALUES  
MACH 1.753  
D1 .000  
D2 5.000  
D1-3 .000  
PHI-C .000

BETA .000  
D3 .000  
D4 5.000  
D2-4 5.000  
PHI-T .000

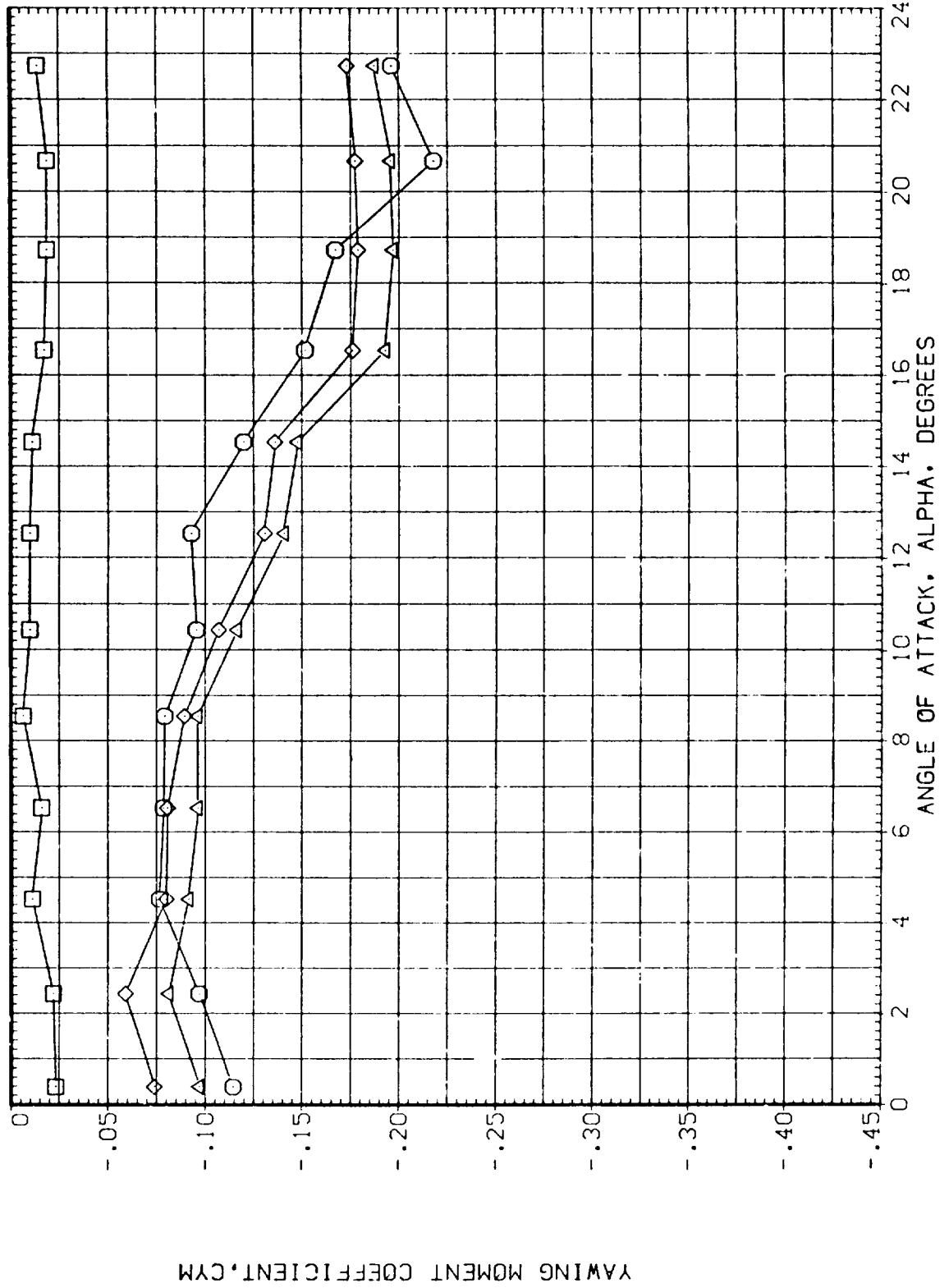


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

DATA	PARAMETRIC VALUES
CRM	.801
CRMC	.000
CRMT	5.000
CRMB	.000
MACH	BETA
D1	D3
D2	D4
D1-3	D2-4
PHI-C	PHI-T
	.000
	.000
	5.000
	5.000
	.000

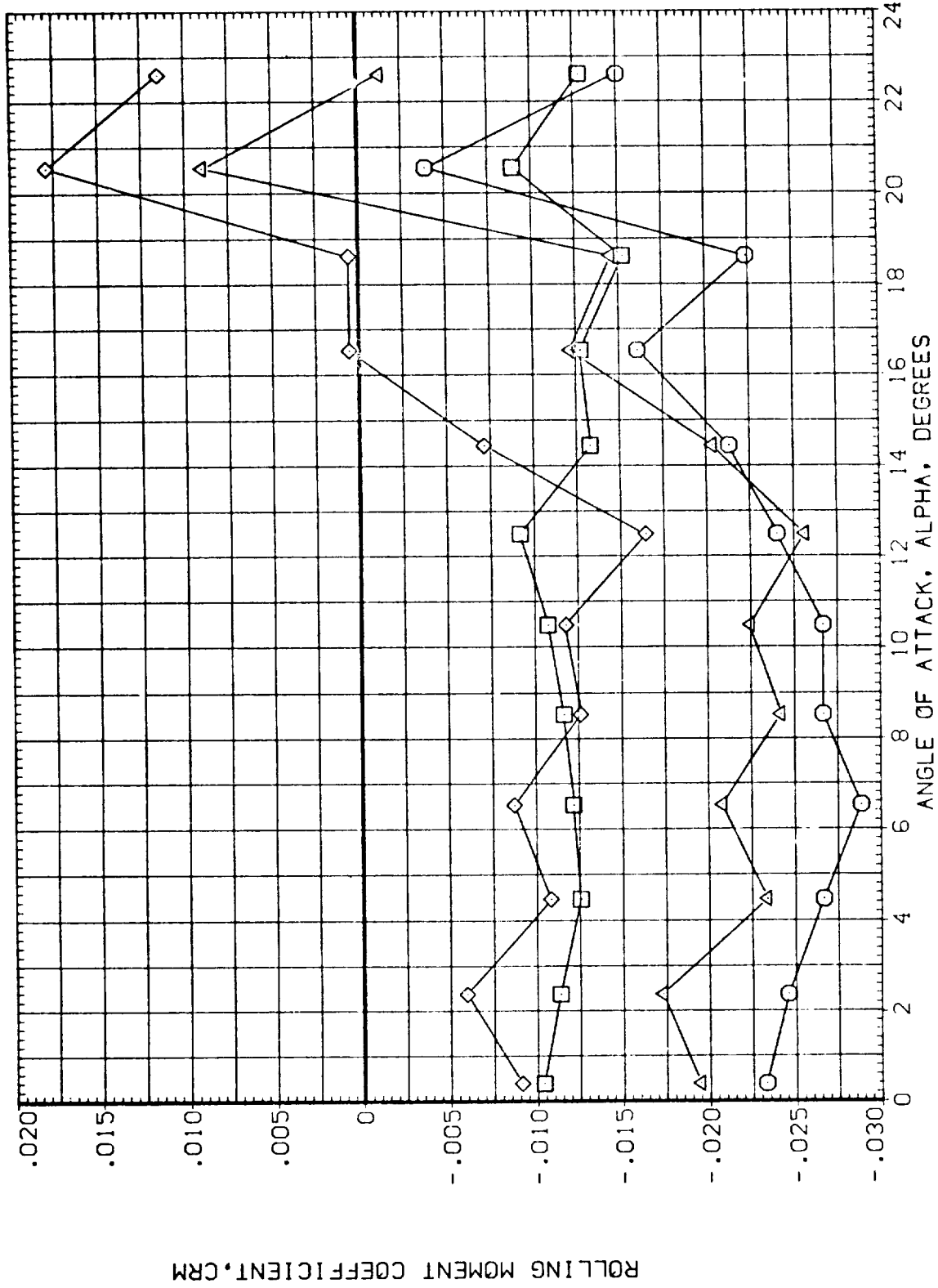


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ125)

CONFIGURATION 10 (BN306T2)

DATA	MACH	PARAMETRIC VALUES
CRM	1.306	BETA .000
CRMC	D1	.000 D3 .000
CRMT	D2	5.000 D4 5.000
CRMB	D1-3	.000 D2-4 5.000
	PHI-C	.000 PHI-T .000

SYMBOL  
○ □ ◇ △

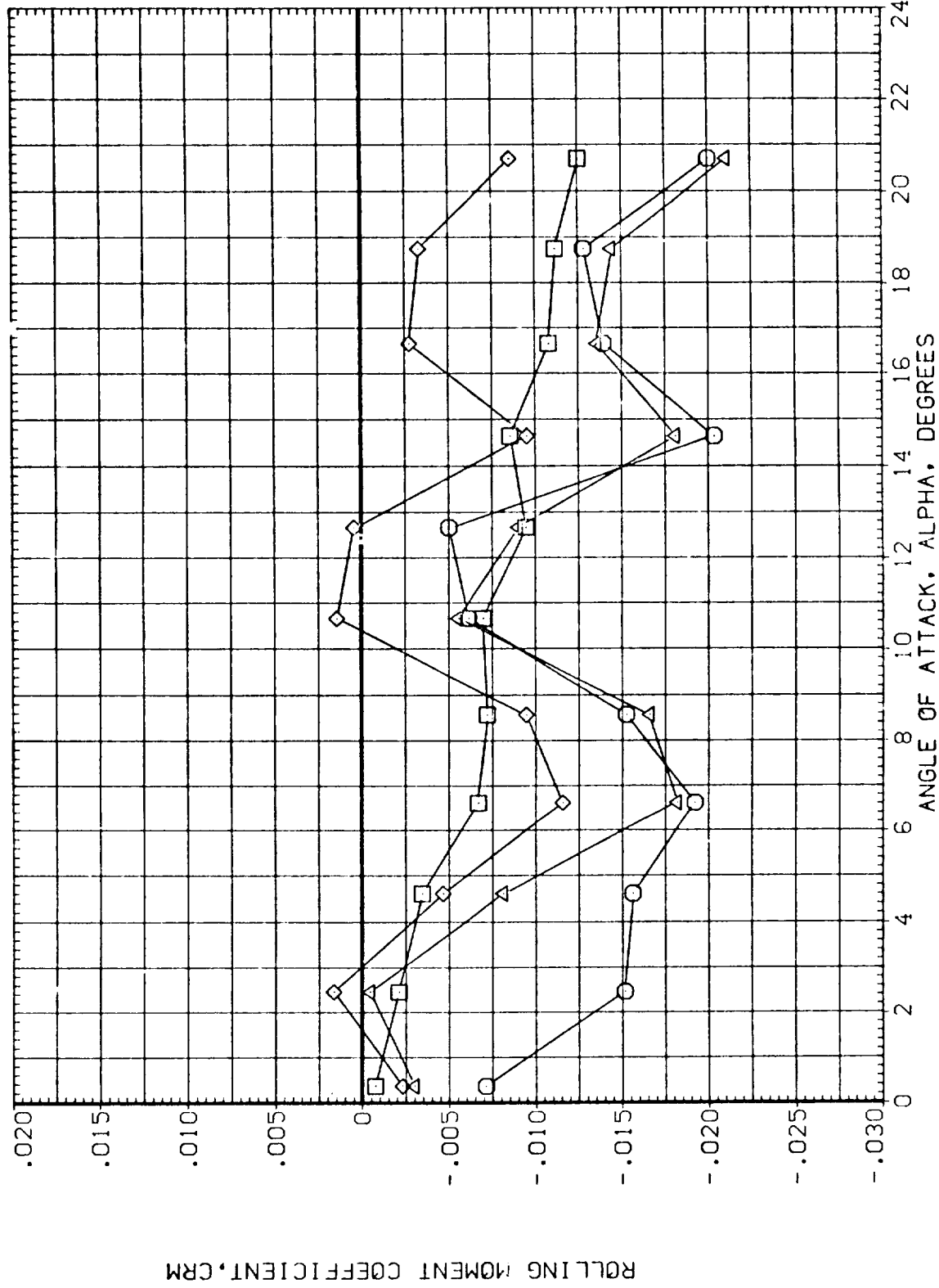


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

DATA		PARAMETRIC VALUES			
CRM	MACH	1.753	BETA	.000	
CRMC	D1	.000	D3	.000	
CRMT	D2	5.000	D4	5.000	
CRMB	D1-3	.000	D2-4	5.000	
	PHI-C	.000	PHI-T	.000	

SYMBOL  
○ □ ◇ △

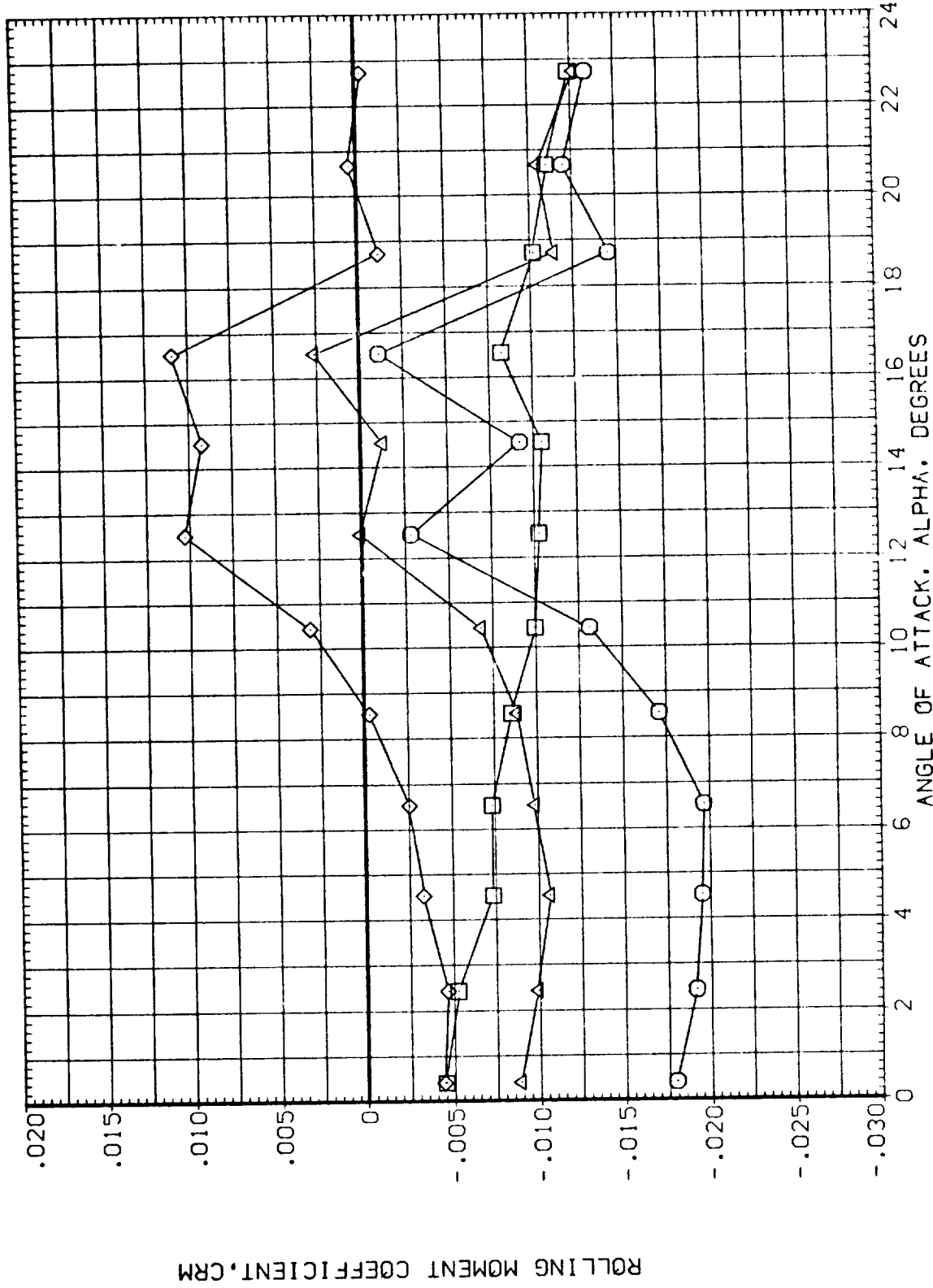


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ124)

CONFIGURATION 10 (BN3C6T2)

DATA		PARAMETRIC VALUES			
CN	MACH	.797	BETA	.000	
CNC	D1	.000	D3	.000	
CNT	D2	10.000	D4	10.000	
CNB	D1-3	.000	D2-4	10.000	
	PHI-C	.000	PHI-T	.000	

○ □ ◇ △

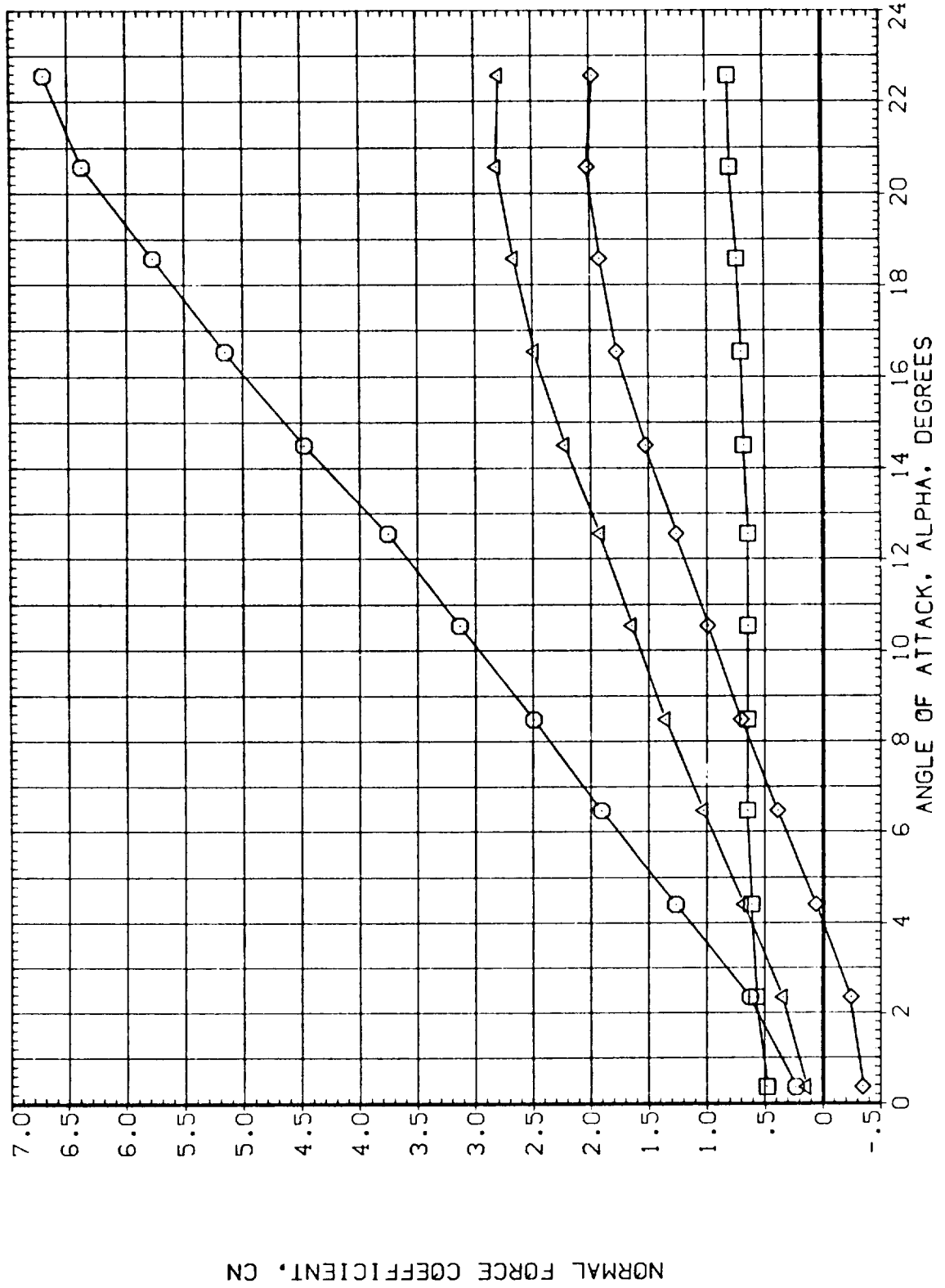


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	PARAMETRIC VALUES
CN	1.305
CNC	BETA .000
CNT	D1 .000
CNB	D2 10.000
	D3 .000
	D4 10.000
	D1-3 .000
	D2-4 10.000
	PHI-C .000
	PHI-T .000

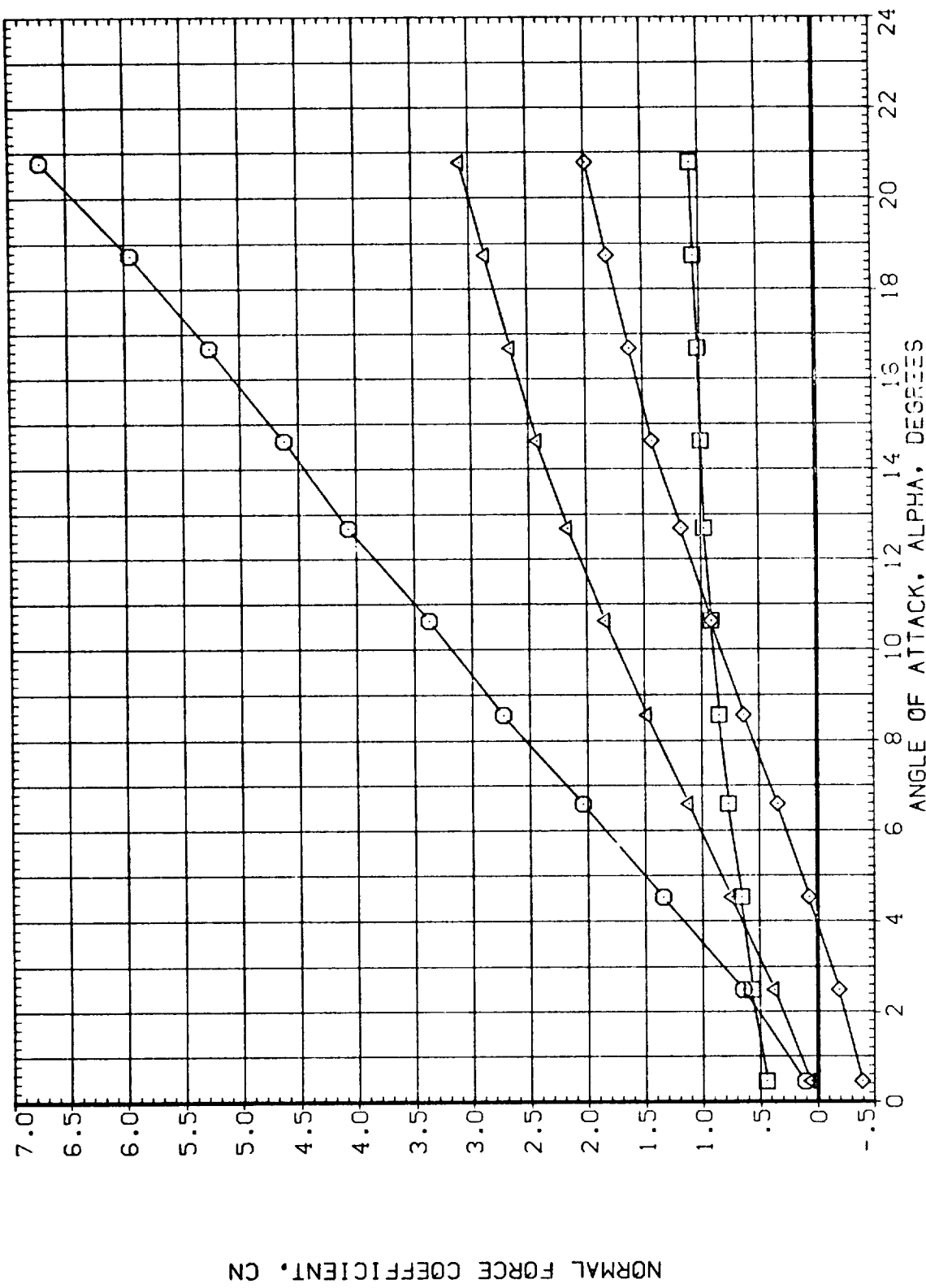


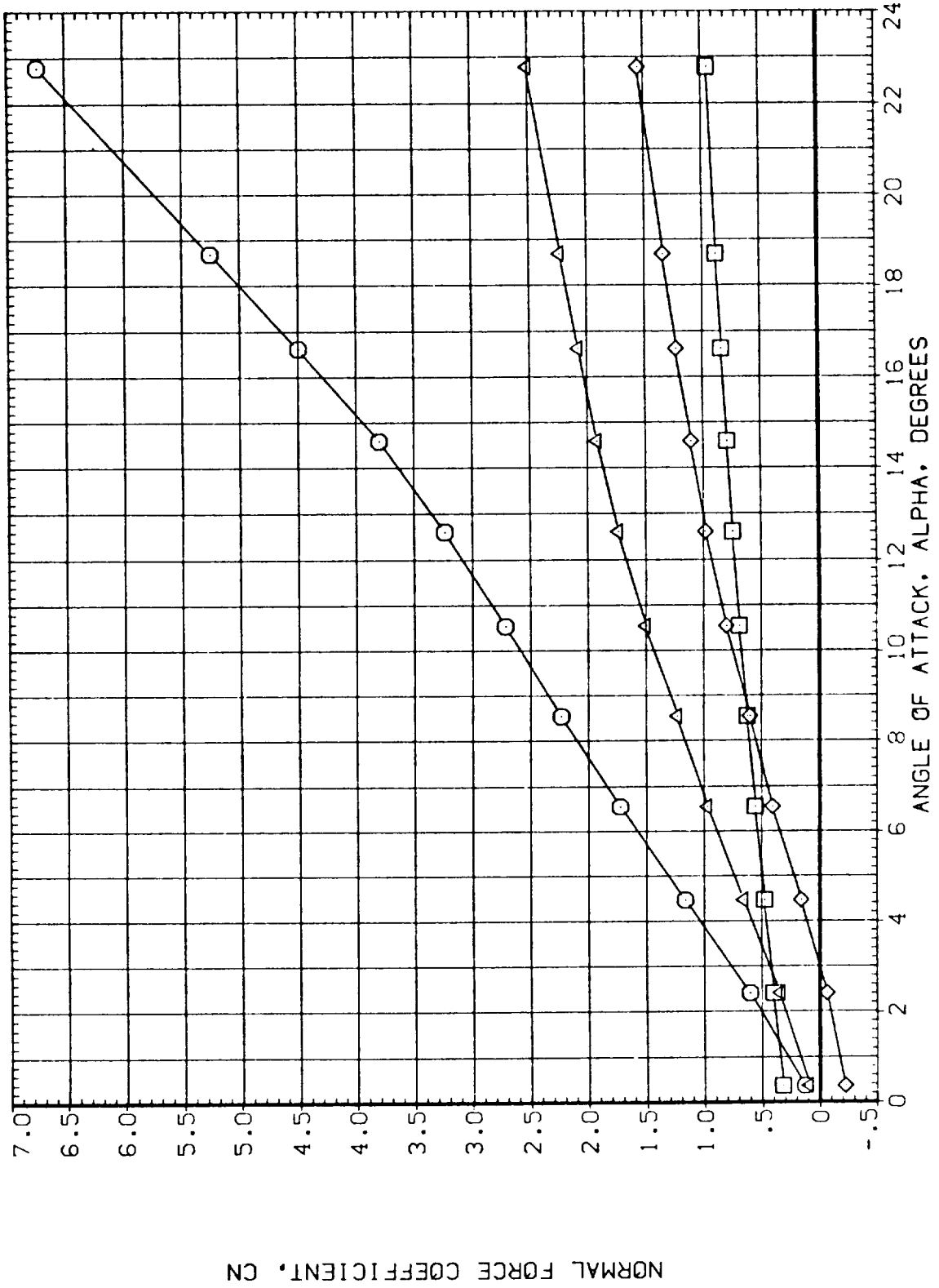
FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ124)

CONFIGURATION 10 (BN3C6T2)

DATA	PARAMETRIC VALUES			
CN	MACH	1.752	BETA	.000
CNC	D1	.000	D3	.000
CNT	D2	10.000	D4	10.000
CNB	D1-3	.000	D2-4	10.000
	PHI-C	.000	PHI-T	.000

SYMBOL  
 ○ □ ◇ △



NORMAL FORCE COEFFICIENT, CN

FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(LEZ124)

CONFIGURATION 10 (BN3C6T2)

DATA		PARAMETRIC VALUES			
CM	MACH	.797	BETA	.000	
CMC	D:	.000	D3	.000	
CMT	D2	10.000	D4	10.000	
CMB	D1-3	.000	D2-4	10.000	
	PHI-C	.000	PHI-T	.000	

SYMBOL  
○ □ ◇ △

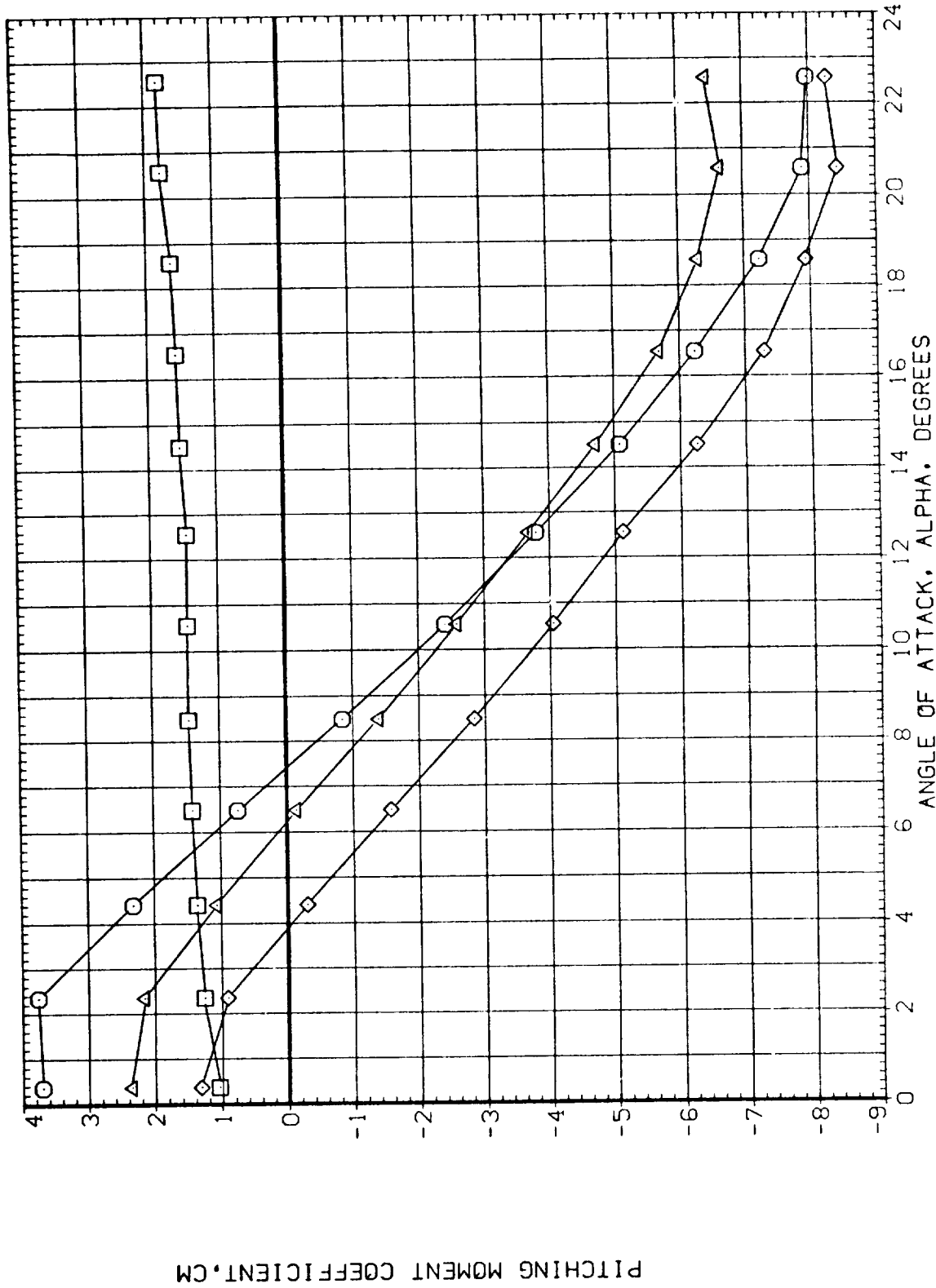


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS



(LEZ124)

CONFIGURATION 10 (BN3C6T2)

DATA	PARAMETRIC VALUES
CM	MACH 1.305
CMC	BETA .000
CMT	D1 .000
CMB	D2 10.000
	D3 .000
	D4 10.000
	D1-3 .000
	D2-4 10.000
	PHI-C .000
	PHI-T .000

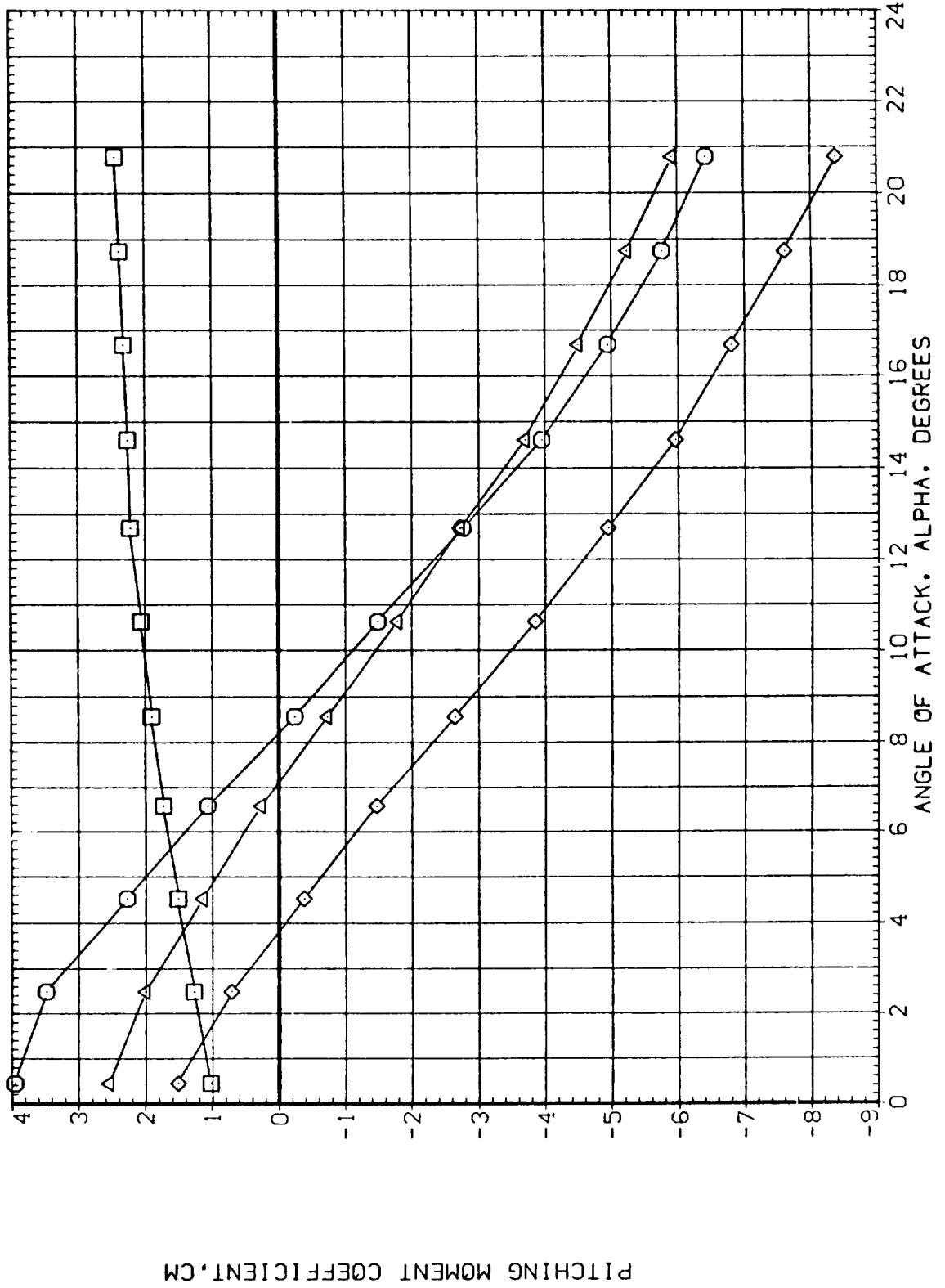


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

DATA	PARAMETRIC VALUES
CH	1.752
CMC	BETA .000
CMT	D1 .000
CMB	D2 10.000
	D3 .000
	D4 10.000
	D2-4 10.000
	PHI-C .000
	PHI-T .000

SYMBOL  
○ □ ◇ △

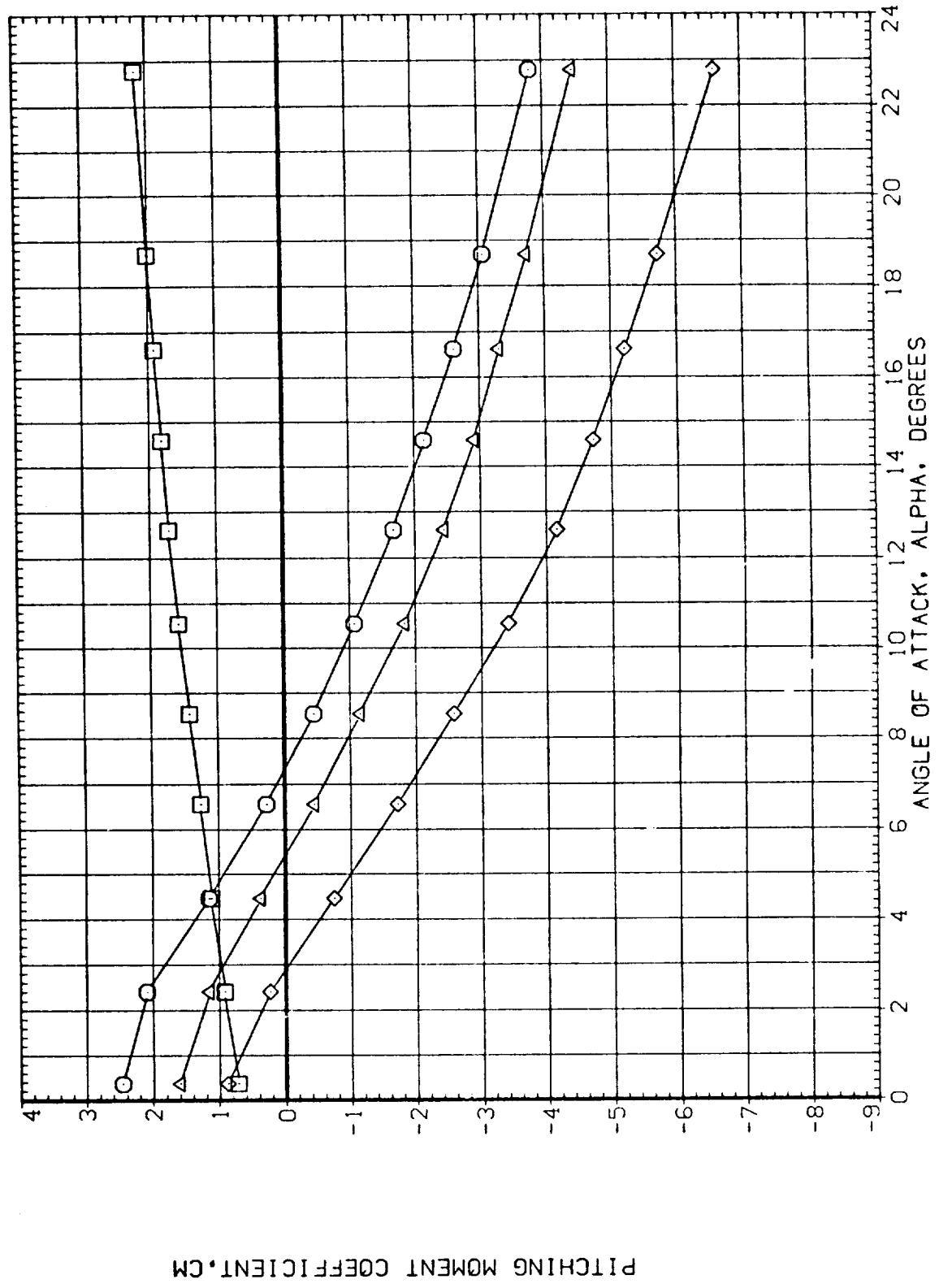


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(0EZ124)

CONFIGURATION 10 (BN3C6T2)

SYMBOL	DATA	MACH	PARAMETRIC VALUES			
O	CA		.797	BETA	.000	
		D1	.000	D3	.000	
		D2	10.000	D4	10.000	
		D1-3	.000	D2-4	10.000	
		PHI-C	.000	PHI-T	.000	

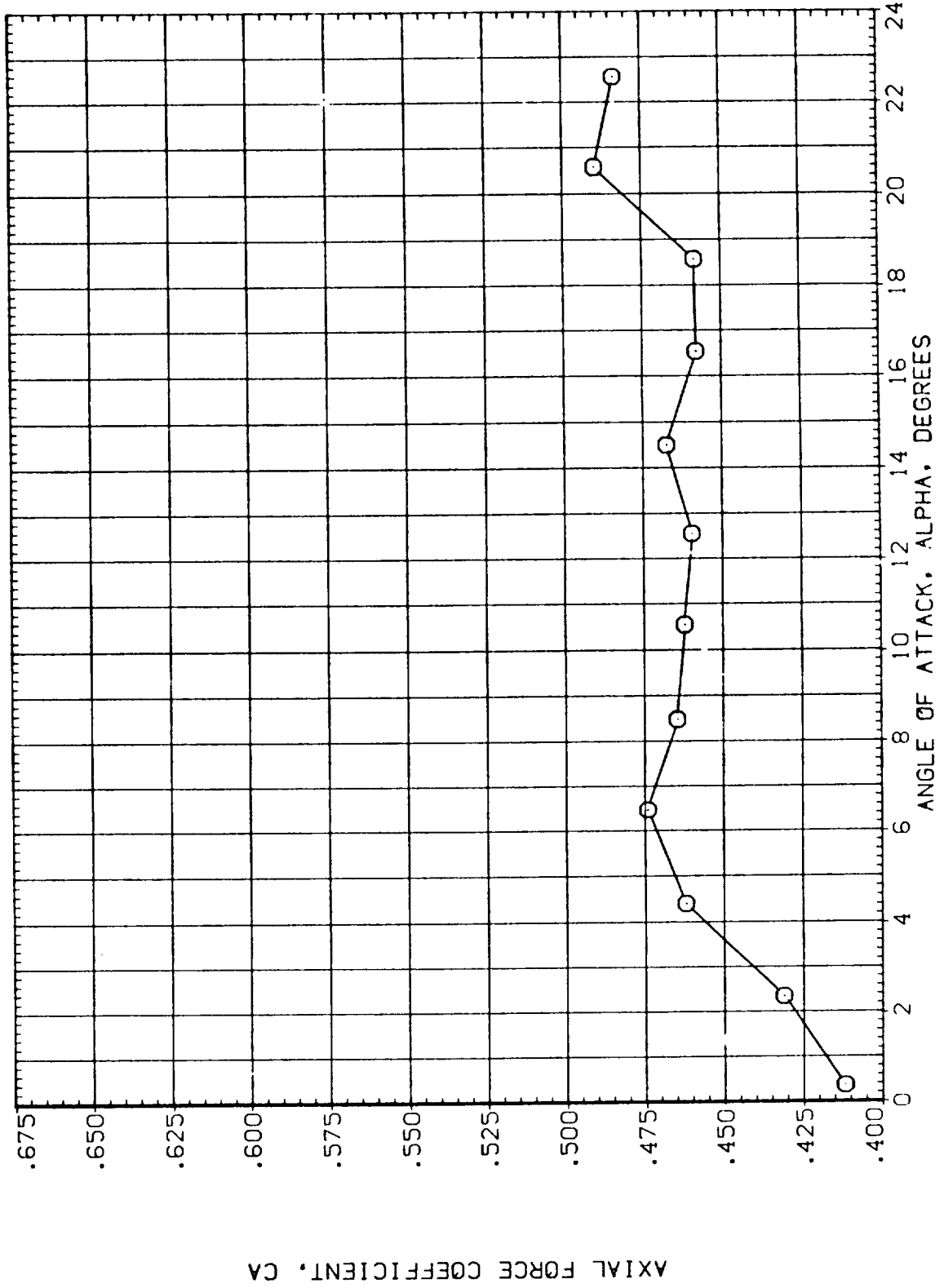


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
O	CA		1.305 BETA .000
		D1	.000 D3 .000
		D2	10.000 D4 10.000
		D1-3	.000 D2-4 10.000
		PHI-C	.000 PHI-T .000

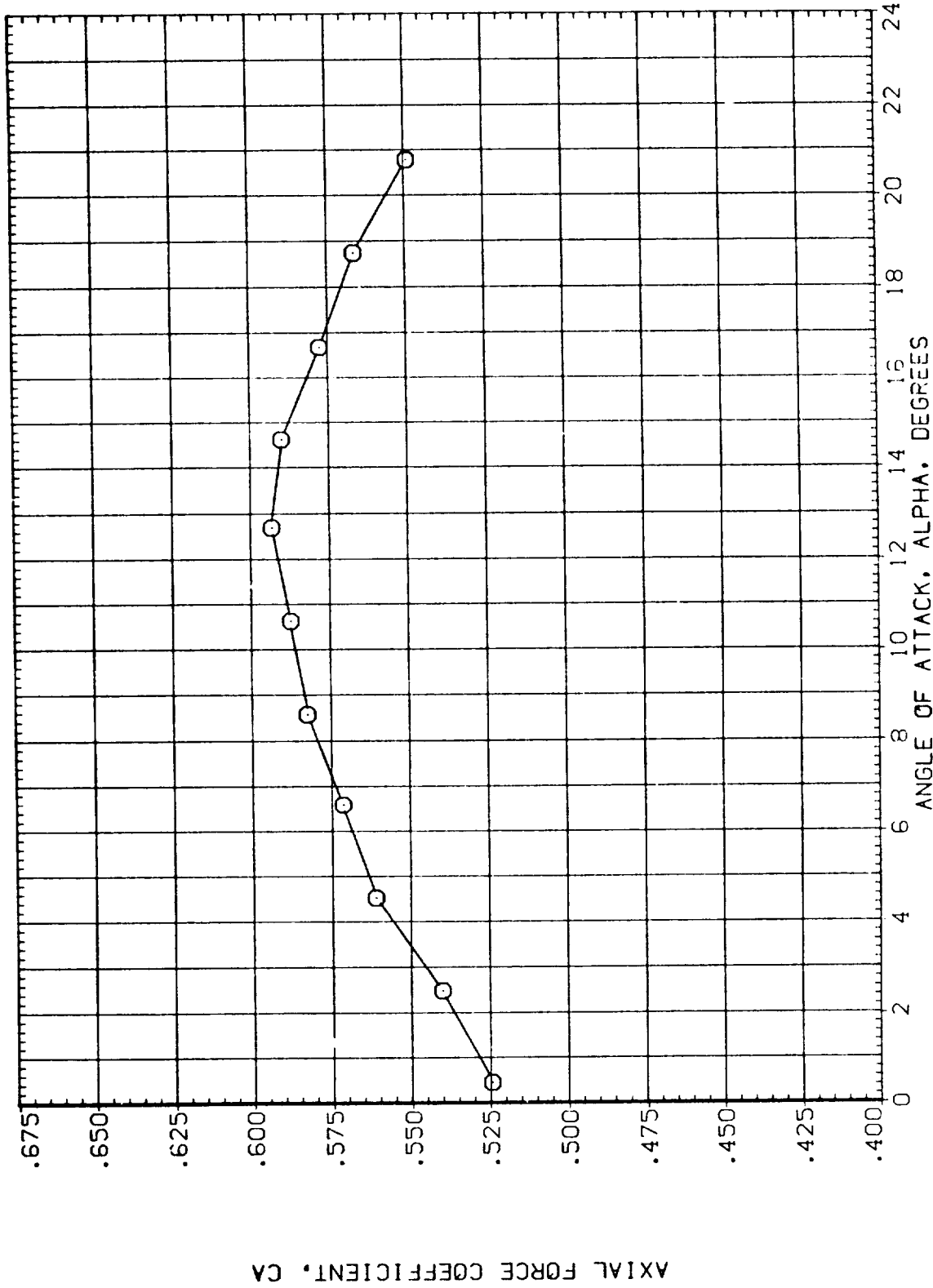


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

(0EZ124)

SYMBOL		DATA		PARAMETRIC VALUES			
○	CA	MACH	1.752	BETA	.000		
		D1	.000	D3	.000		
		D2	10.000	D4	10.000		
		D1-3	.000	D2-4	10.000		
		PHI-C	.000	PHI-T	.000		

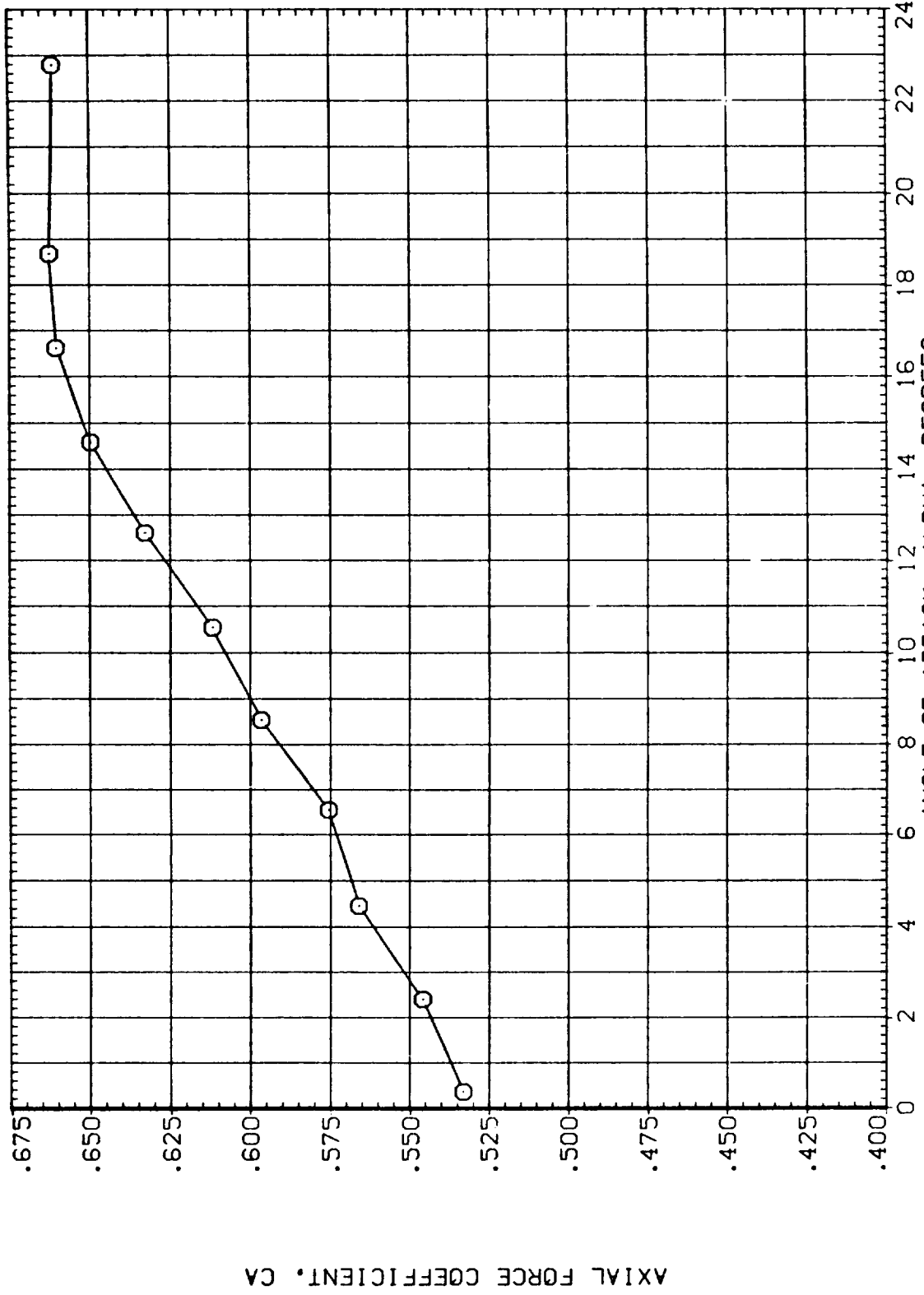


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

DATA		PARAMETRIC VALUES			
CY	MACH	.797	BETA	.000	
CYC	D1	.000	D3	.000	
CYT	D2	10.000	D4	10.000	
CYB	D1-3	.000	D2-4	10.000	
	PHI-C	.000	PHI-T	.000	

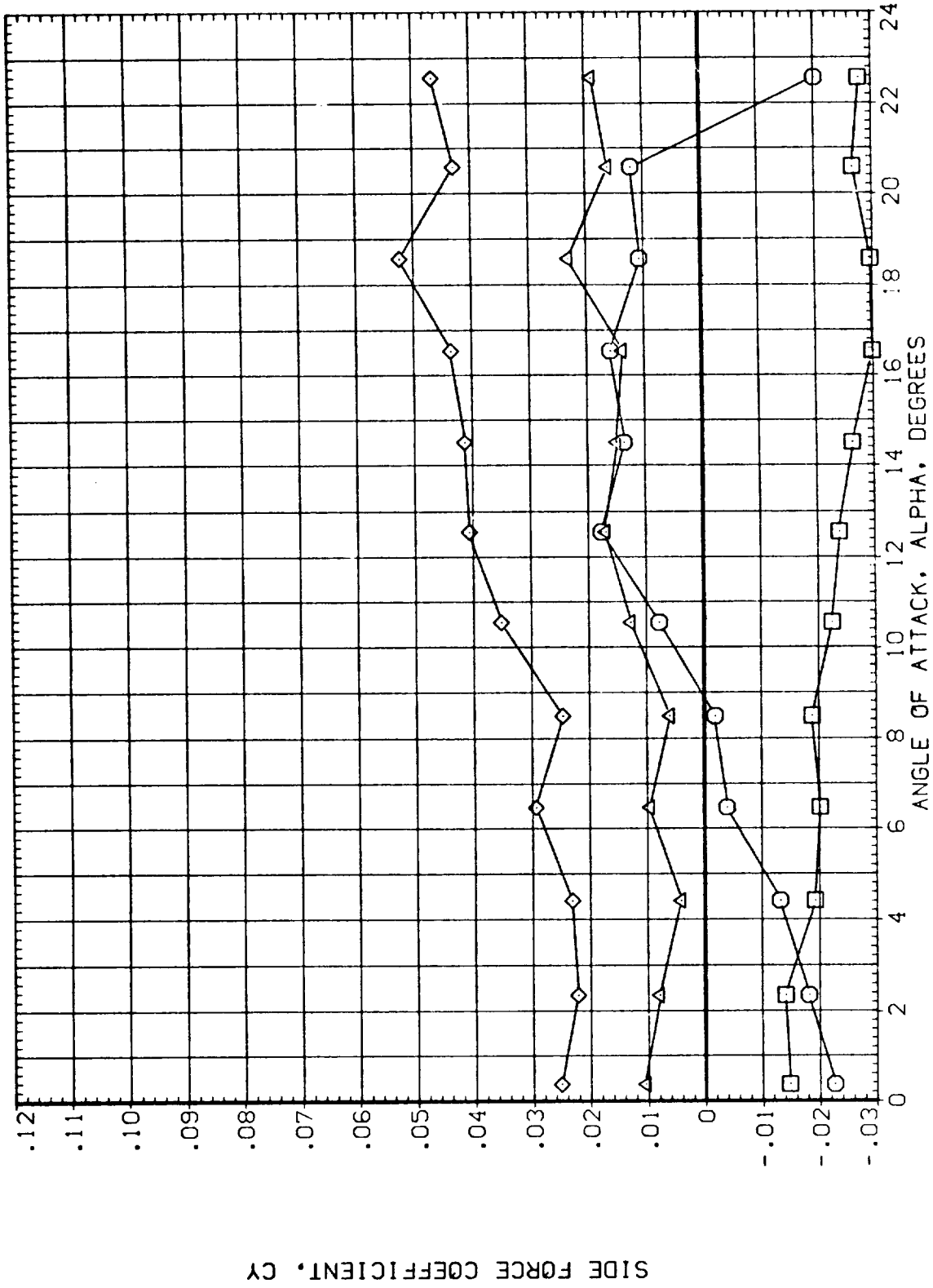


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ124)

CONFIGURATION 10 (BN3CE^2)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CY	D1	BETA .000
□	CYC	D2	D3 .000
◇	CYT	D1-3	D4 10.000
△	CYB	PHI-C	D2-4 10.000
		PHI-T	.000

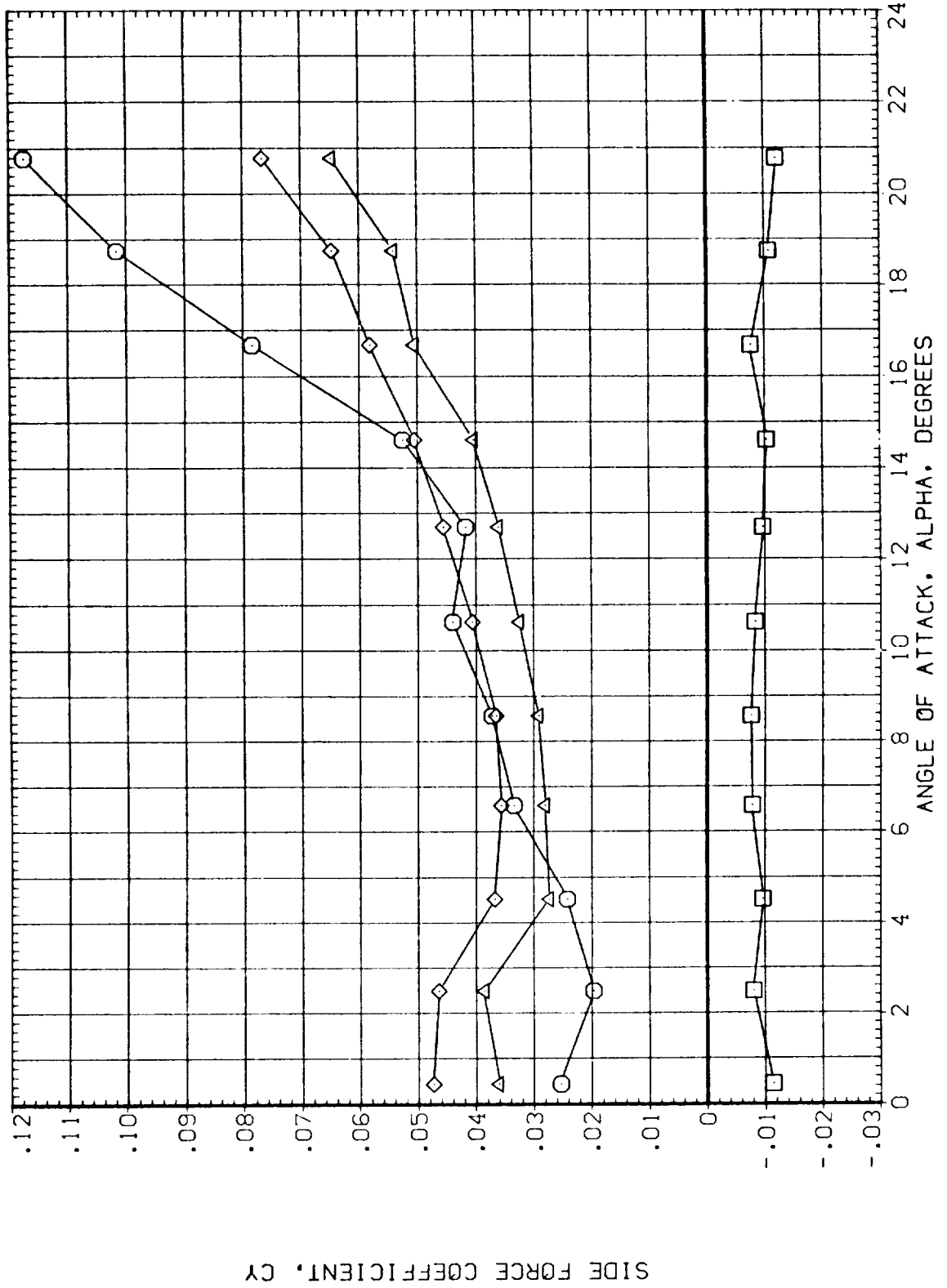
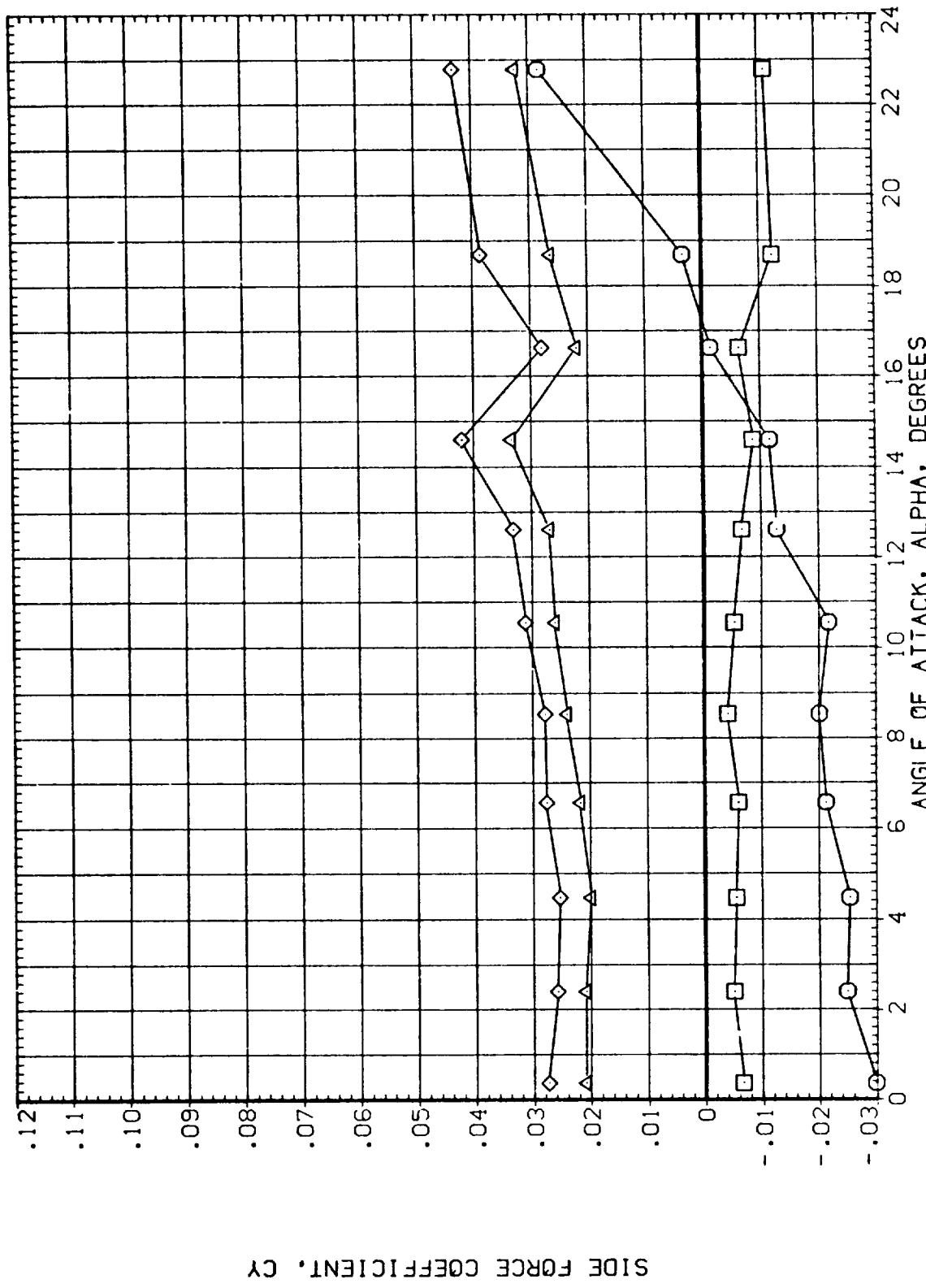


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA	PARAMETRIC VALUES
CY	MACH 1.752 BETA .000
CYC	D1 .000 D3 .000
CYT	D2 10.000 D4 10.000
CYB	D1-3 .000 D2-4 10.000
	PHI-C .000 PHI-T .000

SYMBOL  
 ○ □ ◇ △



SIDE FORCE COEFFICIENT, CY

FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS



(MEZ124)

CONFIGURATION 10 (BN3C6T2)

SYMBOL	DATA	PARAMETRIC VALUES
○	CYM	.797
□	CYMC	.000
◇	CYMT	.000
△	CYMB	.000
	MACH	.000
	D1	.000
	D2	10.000
	D1-3	.000
	PHI-C	.000
	PHI-T	.000

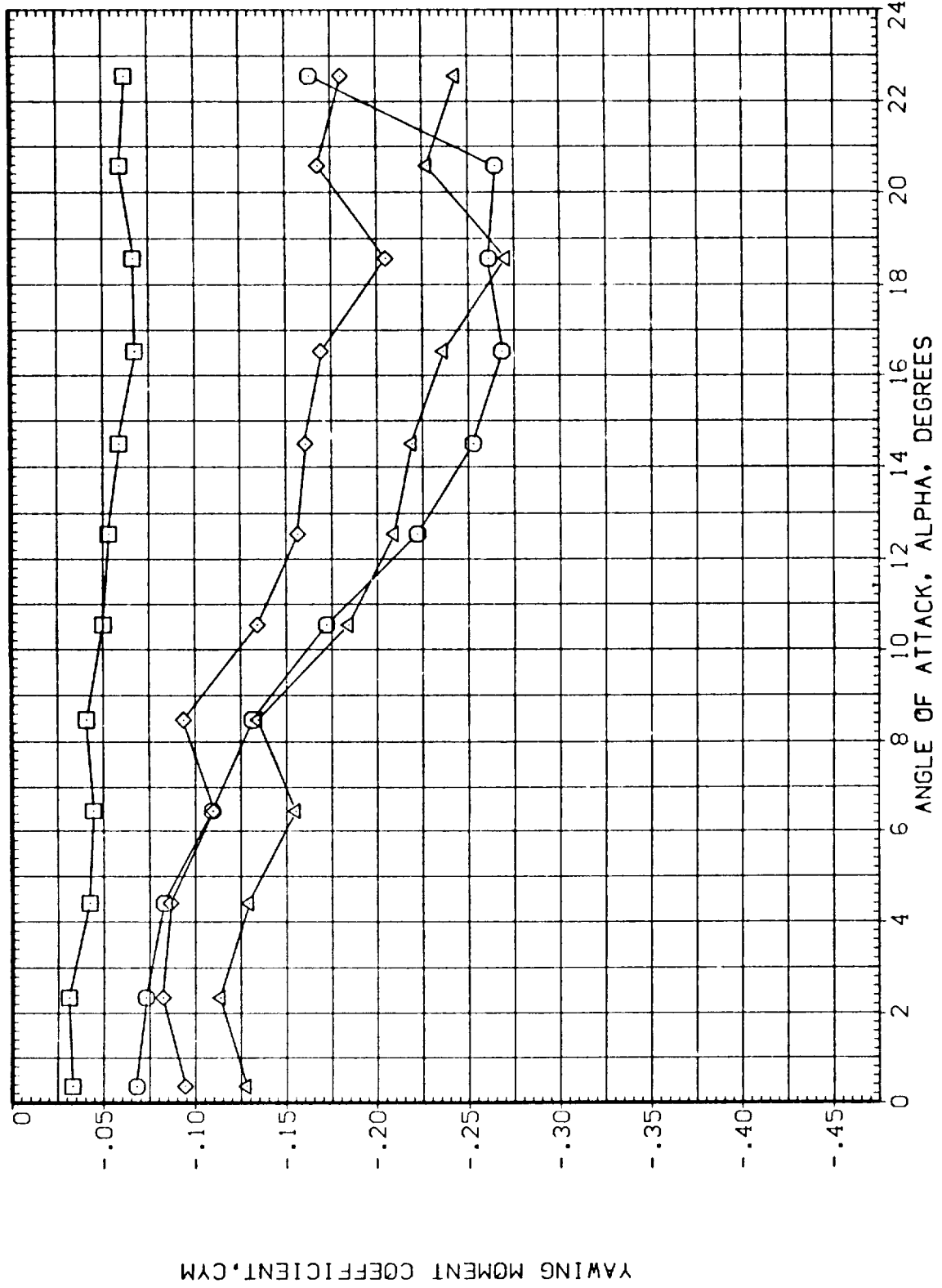


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

DATA	MACH	PARAMETRIC VALUES
CYM	1.305	BETA .000
CYMC	.000	D3 .000
CYMT	10.000	D4 10.000
CYMB	.000	D2-4 10.000
PHI-C	.000	PHI-T .000

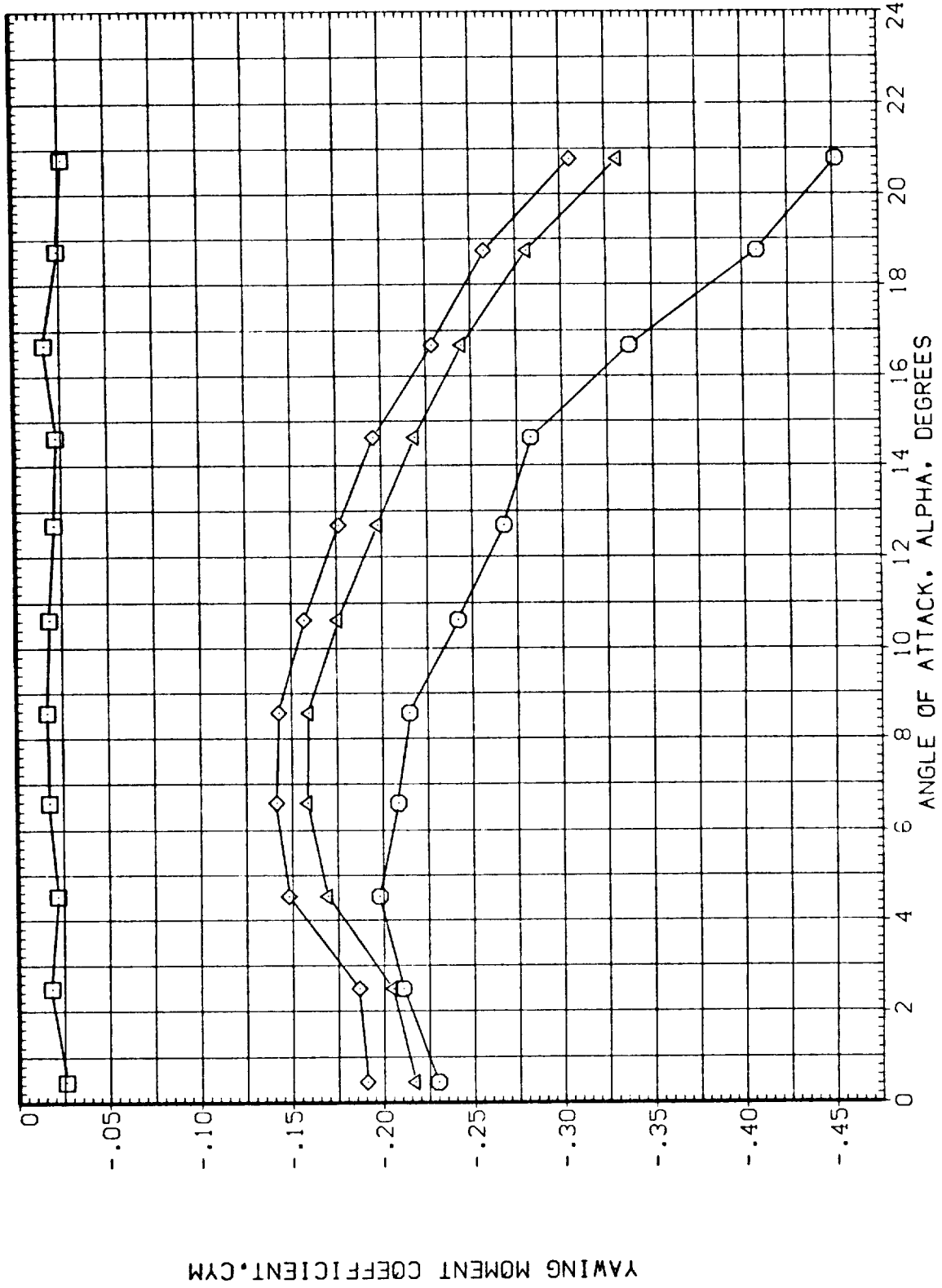


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ124)

CONFIGURATION 10 (3N3C6T2)

SYMBOL  
○ □ ◇ △

DATA MACH PARAMETRIC VALUES  
CYM 1.752 BETA .000  
CYMC D1 .000 D3 .000  
CYMT D2 10.000 D4 10.000  
CYMB D1-3 .000 D2-4 10.000  
PHI-C .000 PHI-T .000

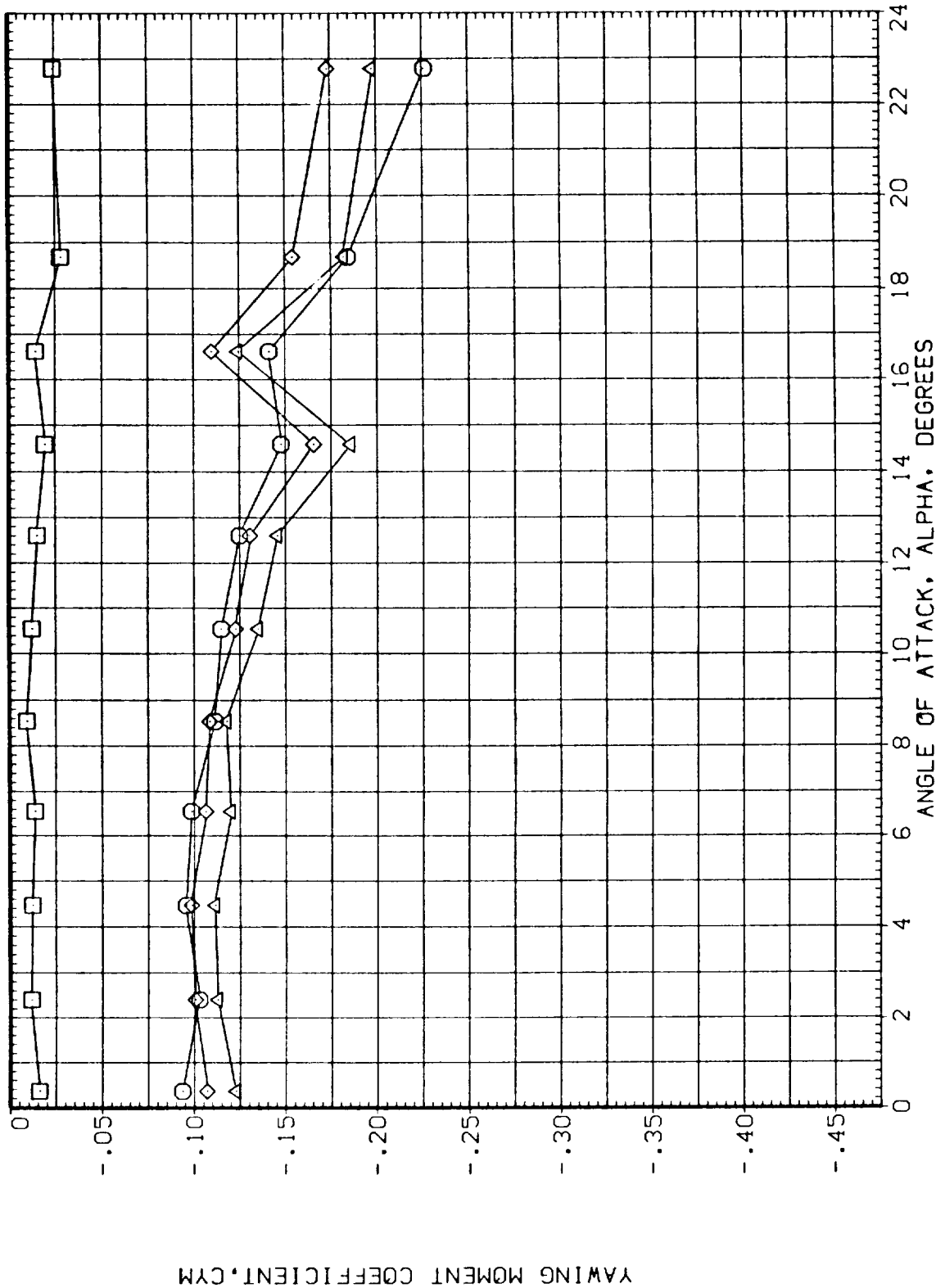


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

DATA		PARAMETRIC VALUES			
CRM	MACH	.797	BETA	.000	
CRMC	D1	.000	D3	.000	
CRMT	D2	10.000	D4	10.000	
CRMB	D1-3	.000	D2-4	10.000	
	PHI-C	.000	PHI-T	.000	

SYMBOL  
○ □ ◇ △

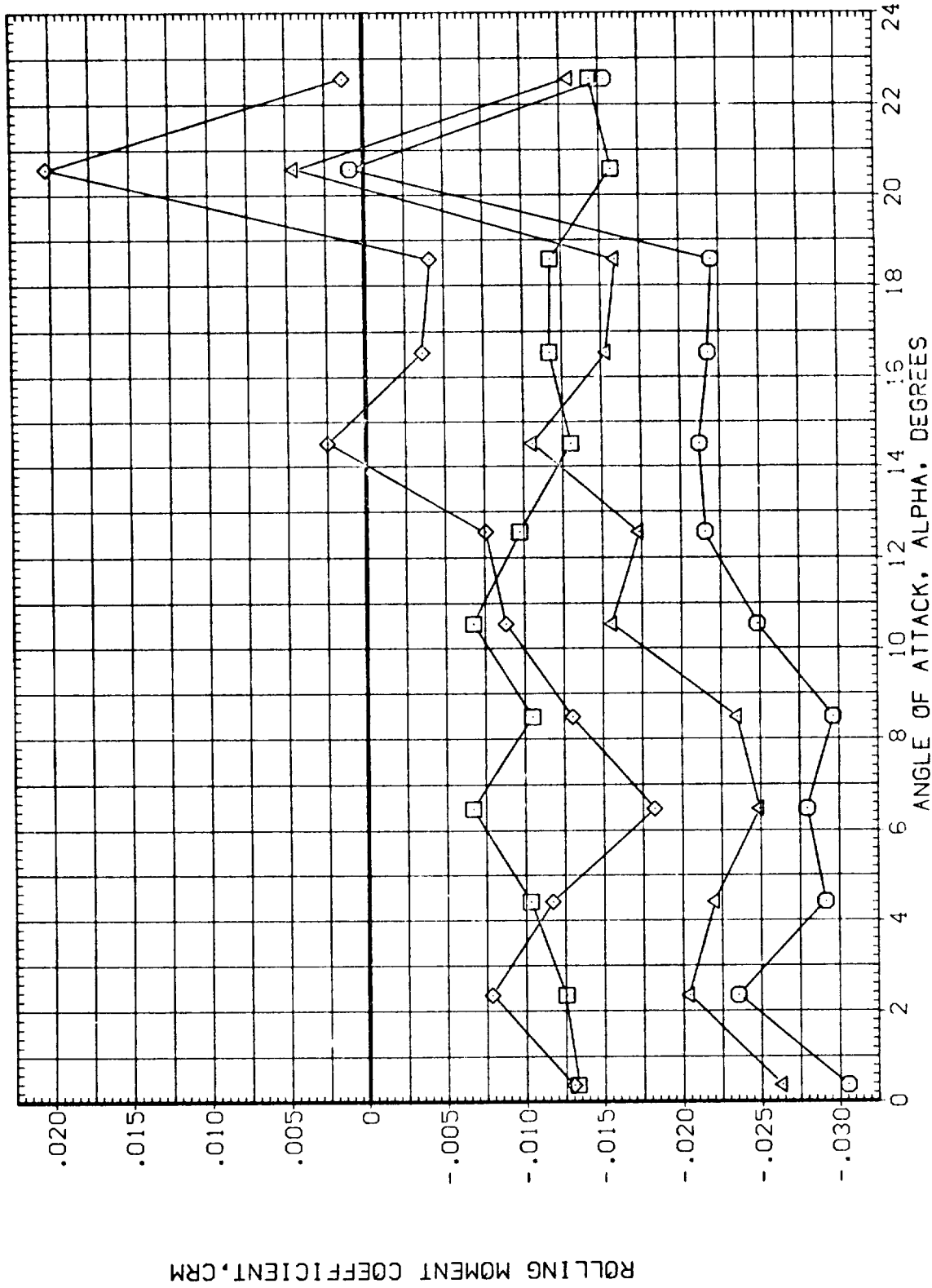


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(NEZ124)

CONFIGURATION 10 (BN3C6T2)

DATA		PARAMETRIC VALUES			
CRM	MACH	1.305	BETA	.000	
CRMC	D1	.000	D3	.000	
CRMT	L2	10.000	D4	10.000	
CRMB	D1-3	.000	D2-4	10.000	
	PHI-C	.000	PHI-T	.000	

○ □ ◇ △

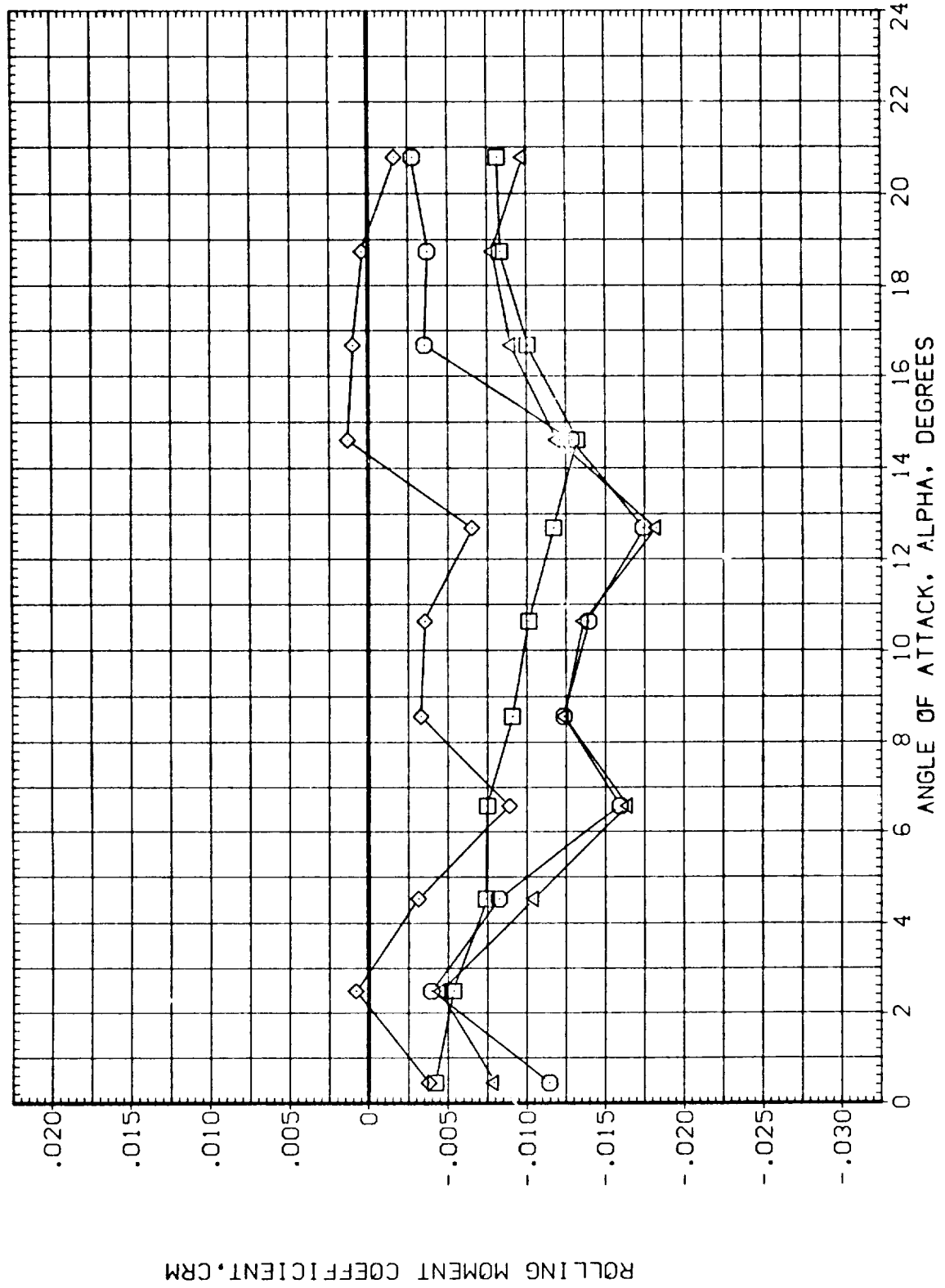


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

DATA		PARAMETRIC VALUES			
CRM	MACH	1.752	BETA	.000	
CRMC	D1	.000	D3	.000	
CRMT	D2	10.000	D4	10.000	
CRMB	D1-3	.000	D2-4	10.000	
	PHI-C	.000	PHI-T	.000	

SYMBOL  
○ □ ◇ △

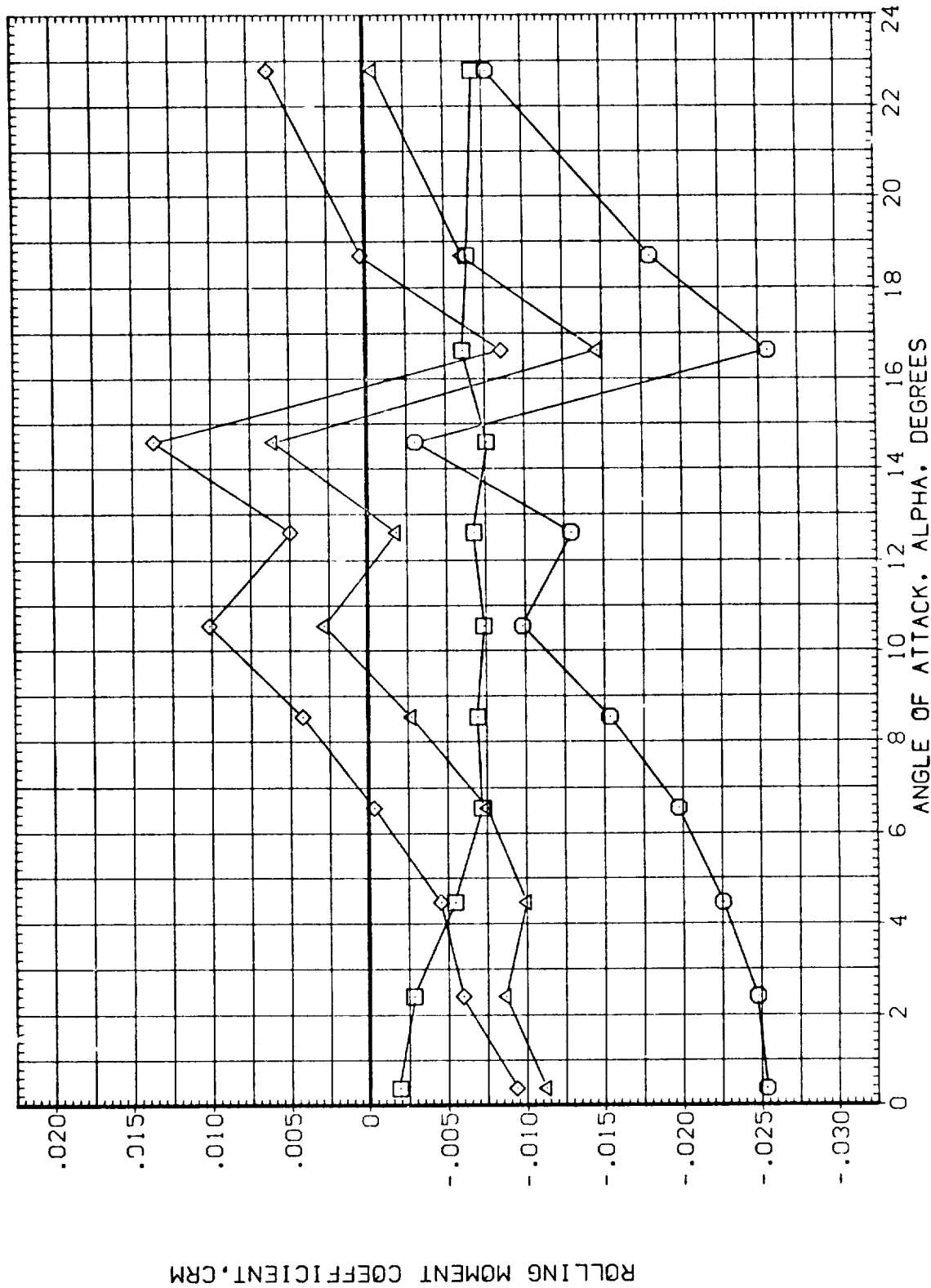


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

(LEZ123)

SYMBOL  
 ○ □ ◇ △

DATA	PARAMETRIC VALUES
CN	.802
CNC	.000
CNT	15.000
CNB	.000
MACH	BETA
D1	D3
D2	D4
D1-3	D2-4
PHI-C	PHI-T
	.000
	.000
	15.000
	15.000
	.000

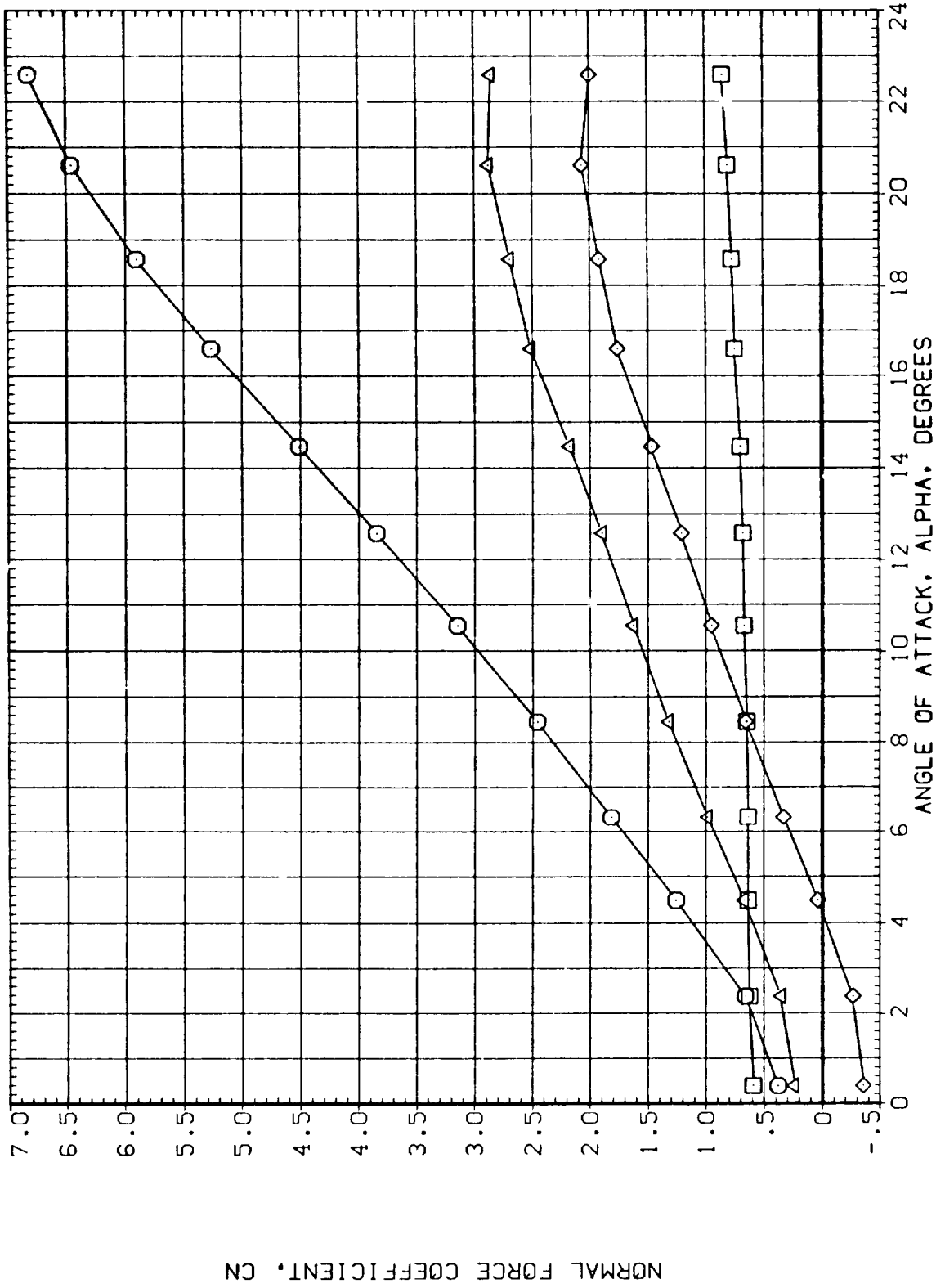


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

DATA		PARAMETRIC VALUES			
CN	MACH	1.302	BETA	.000	
CNC	D1	.000	D3	.000	
CNT	D2	15.000	D4	15.000	
CNB	D1-3	.000	D2-4	15.000	
	PHI-C	.000	PHI-T	.000	

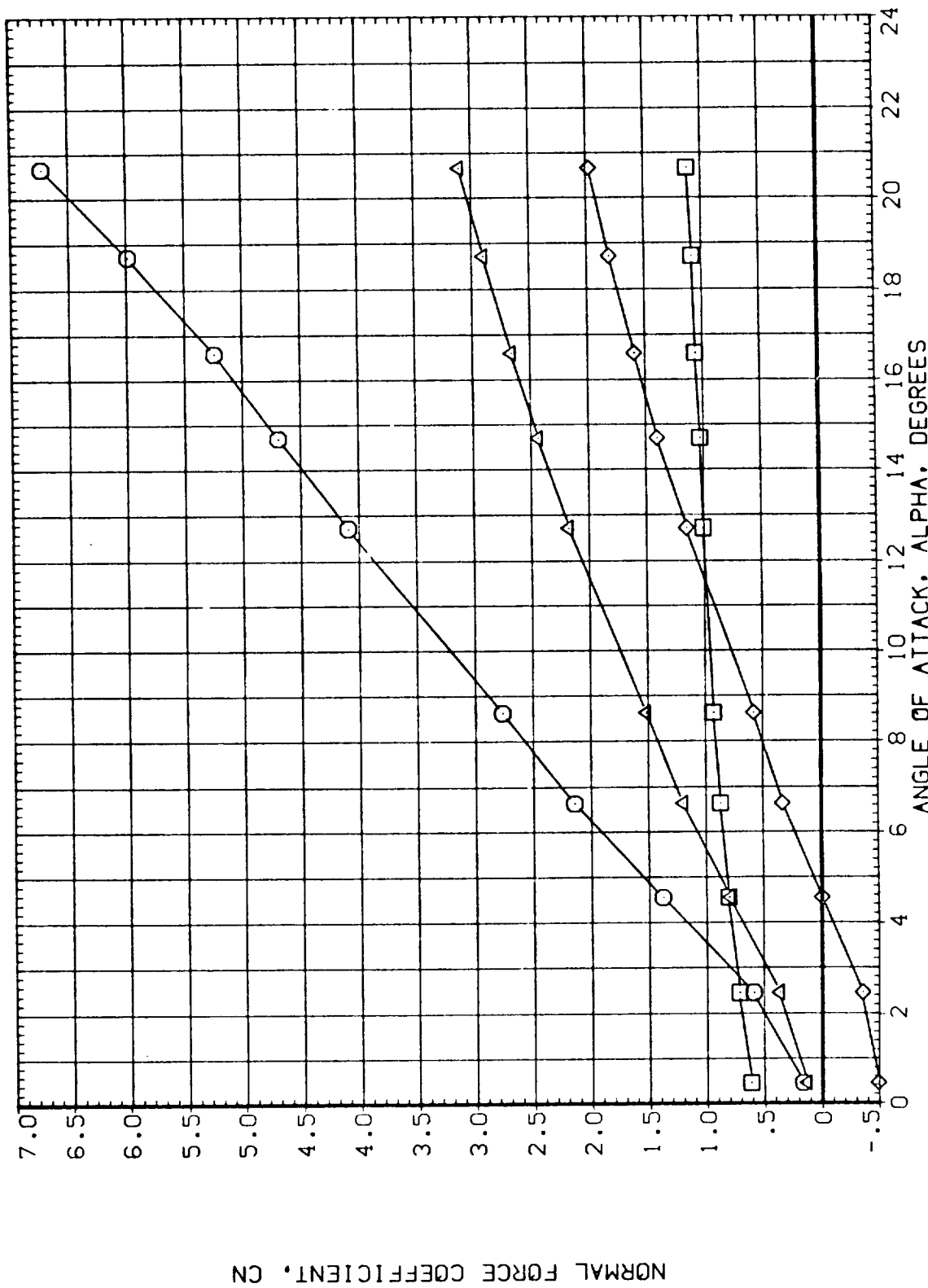


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS



CONFIGURATION 10 (BN3C6T2)

(LEZ123)

SYMBOL  
 ○ □ ◇ △

DATA	MACH	PARAMETRIC VALUES			
CN	01	1.753	BETA	.000	
CNC	02	.000	D3	.000	
CNT	01-3	15.000	D4	15.000	
CNB	D2-4	.000	D2-4	15.000	
	PHI-C	.000	PHI-T	.000	

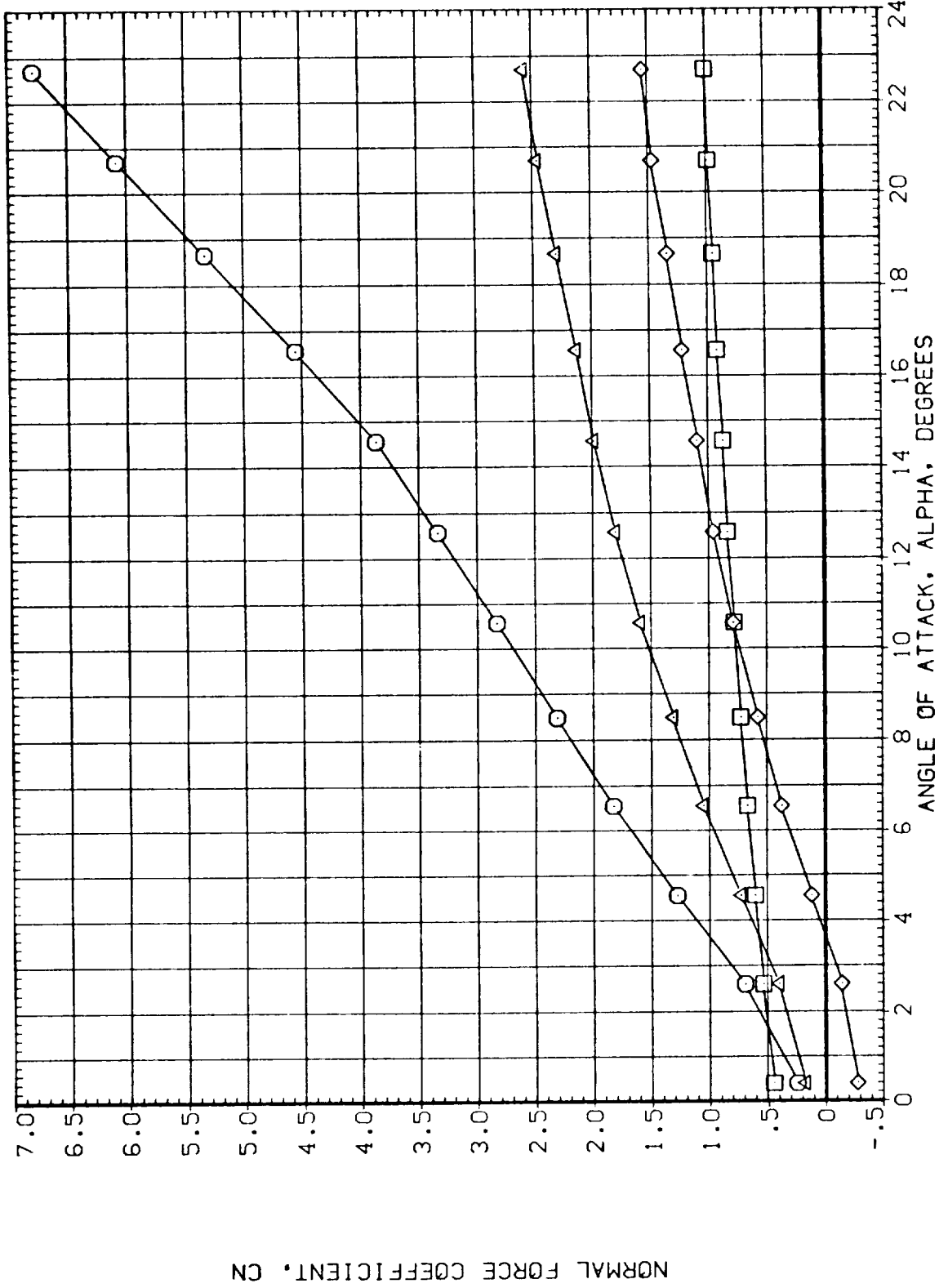


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

DATA	PARAMETRIC VALUES
CM	.802
CMC	BETA .000
CMT	D1 .000
CMB	D2 15.000
	D3 .000
	D4 15.000
	D2-4 15.000
	PHI-T .000
	PHI-C
	MACH

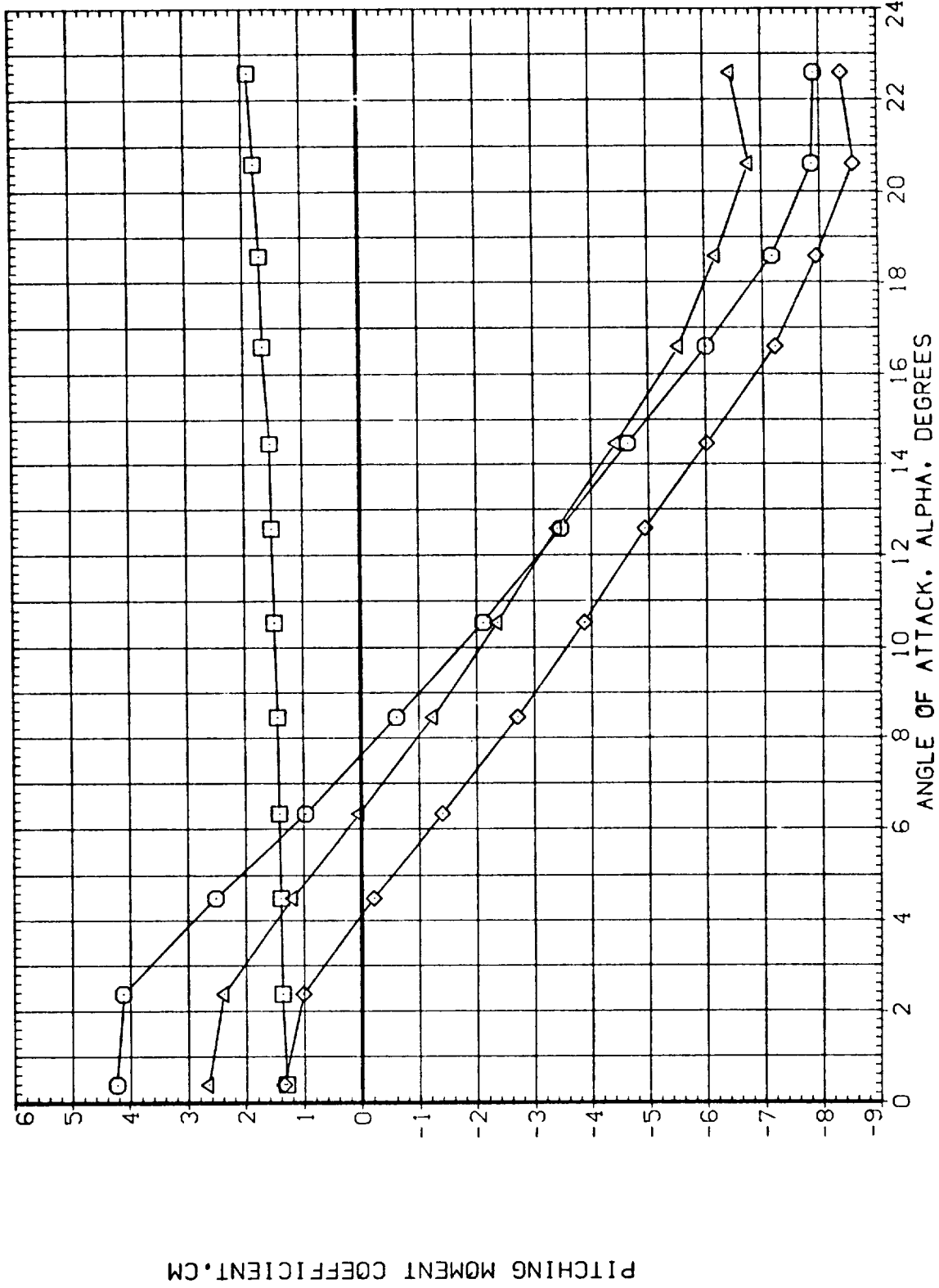


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

(LEZ123)

DATA	PARAMETRIC VALUES
CM	1.302
CMC	BETA
CMT	D3
CMB	D4
	D2-4
	PHI-T
	PHI-C
	MACH
	D1
	D2
	D1-3
	PHI-C

SYMBOL	DATA
○	CM
□	CMC
◇	CMT
△	CMB

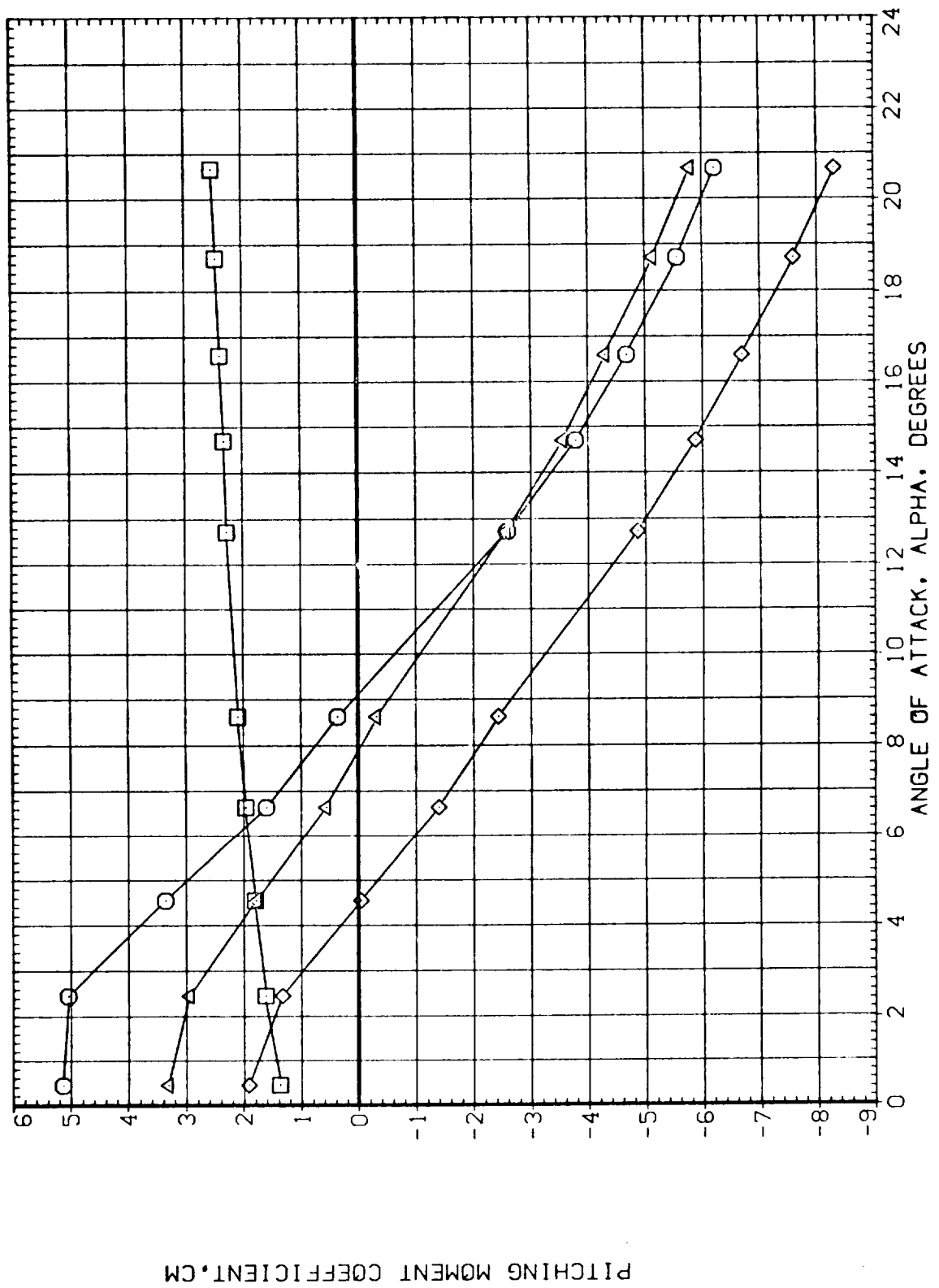


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

DATA	MACH	PARAMETRIC VALUES
CM	1.753	BETA .000
CMC	.000	D3 .000
CMT	15.000	D4 15.000
CMB	.000	D2-4 15.000
	PHI-C	PHI-T .000

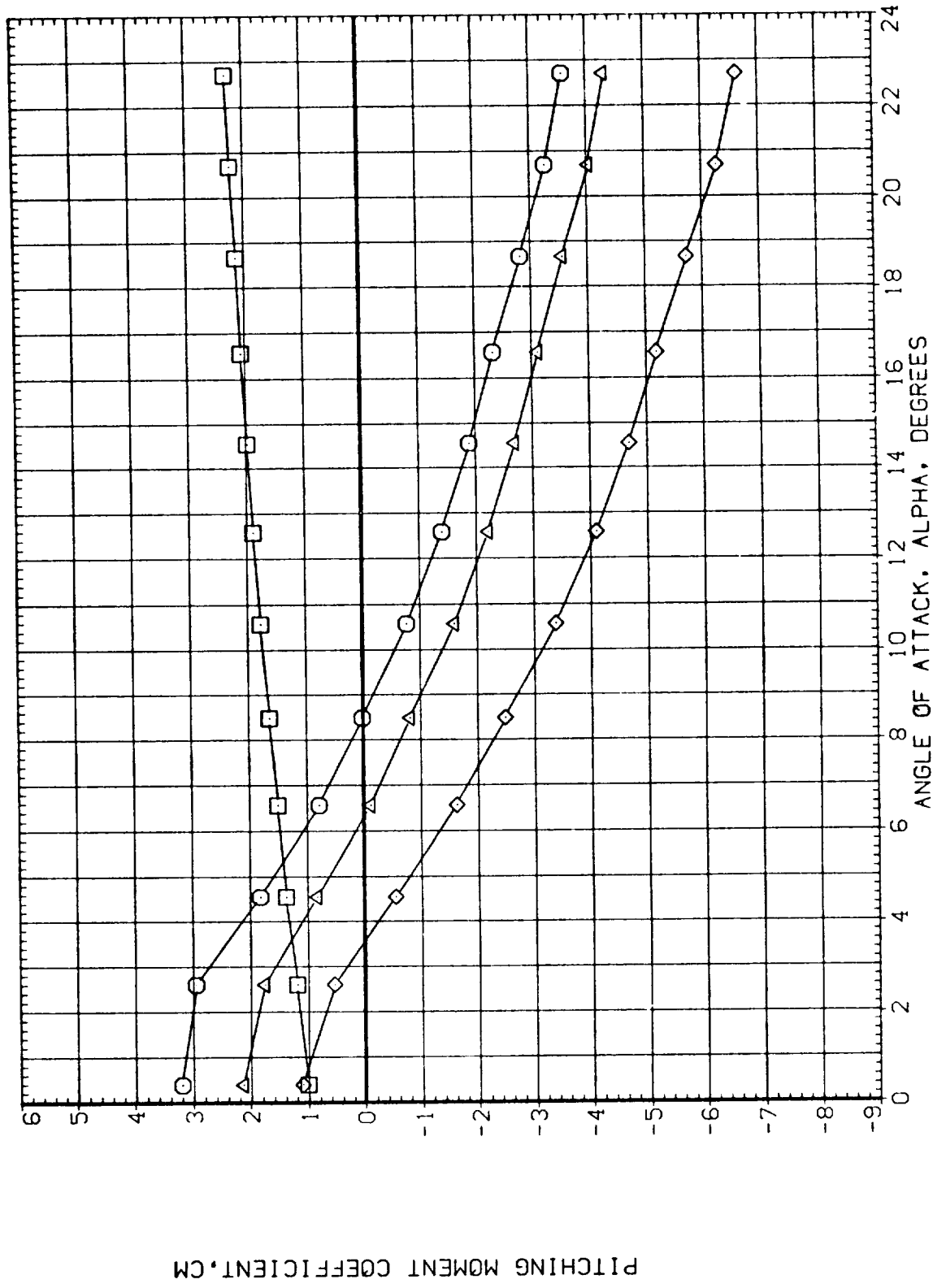


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

(0EZ123)

SYMBOL	DATA	MACH	PARAMETRIC VALUES			
○	CA		.802	BETA	.000	
		D1	.000	D3	.000	
		J2	15.000	D4	15.000	
		D1-3	.000	D2-4	15.000	
		PHI-C	.000	PHI-T	.000	

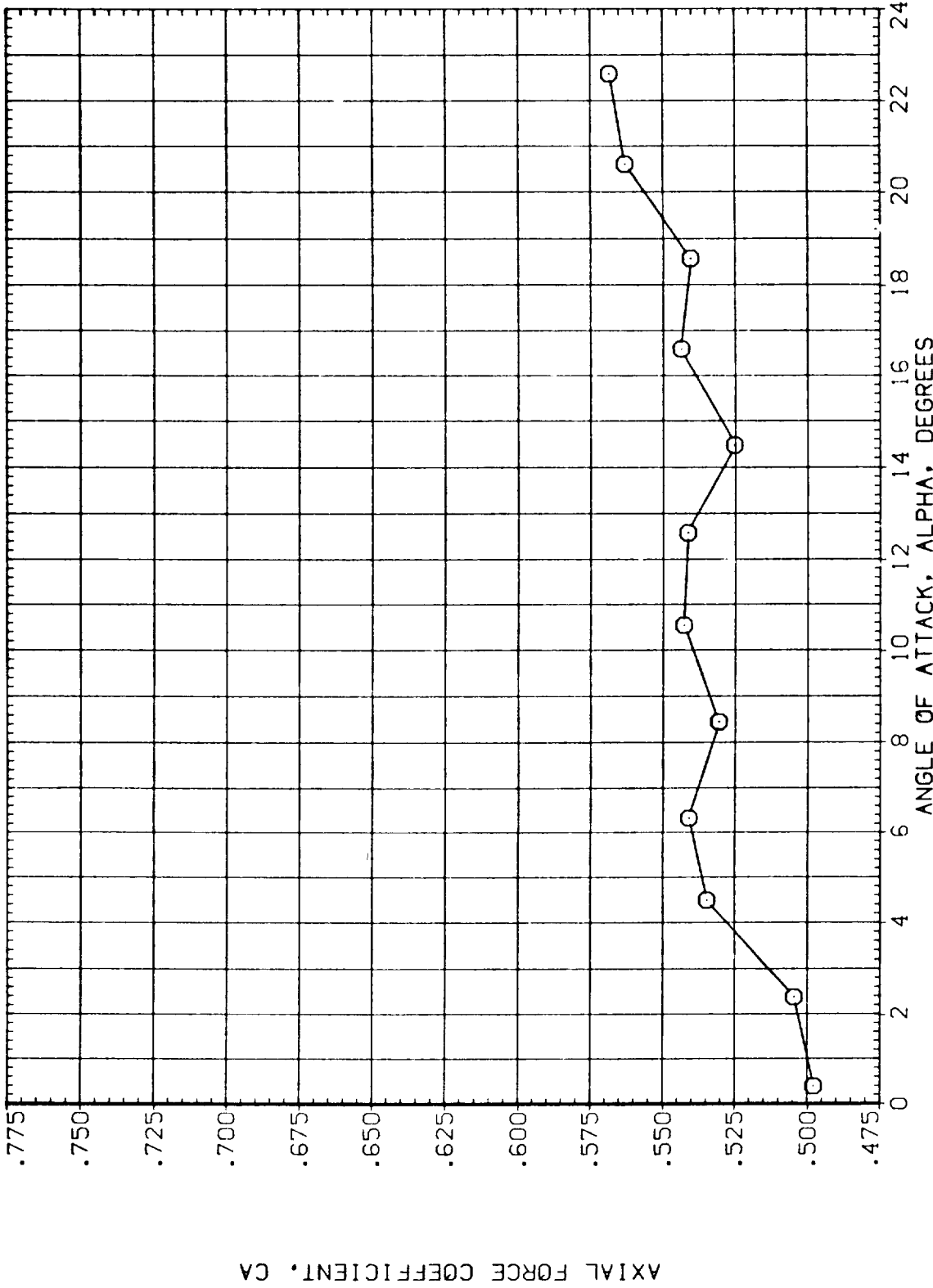


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CA	1.302	BETA .000
		.000	D3 .000
		15.000	D4 15.000
		.000	D2-4 15.000
		.000	PHI-T .000

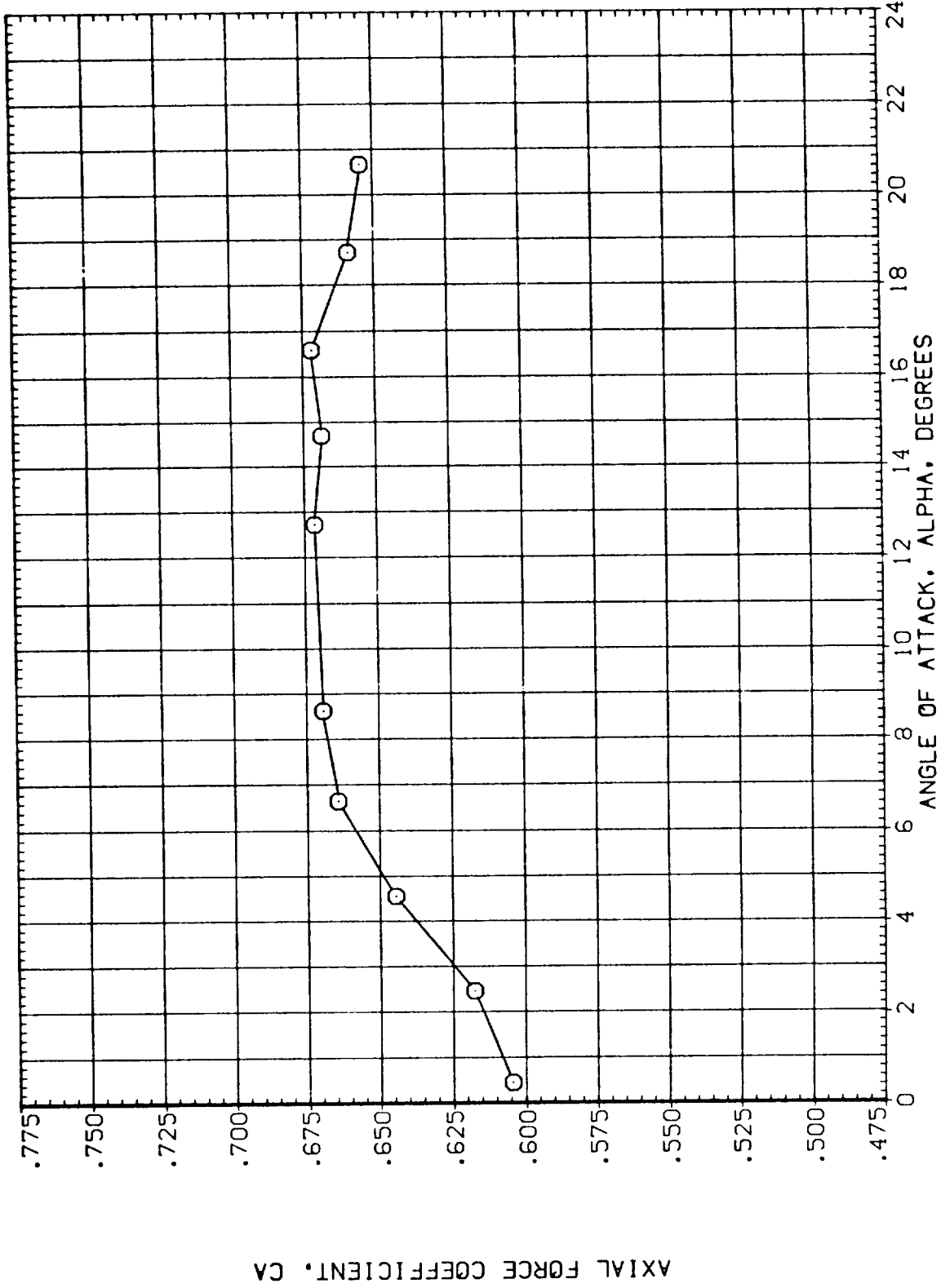


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(0EZ123)

CONFIGURATION 10 (BN3C6T2)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CA	1.753	BETA .000
		.000	D3 .000
		15.000	D4 15.000
		.000	D2-4 15.000
		.000	PHI-T .000

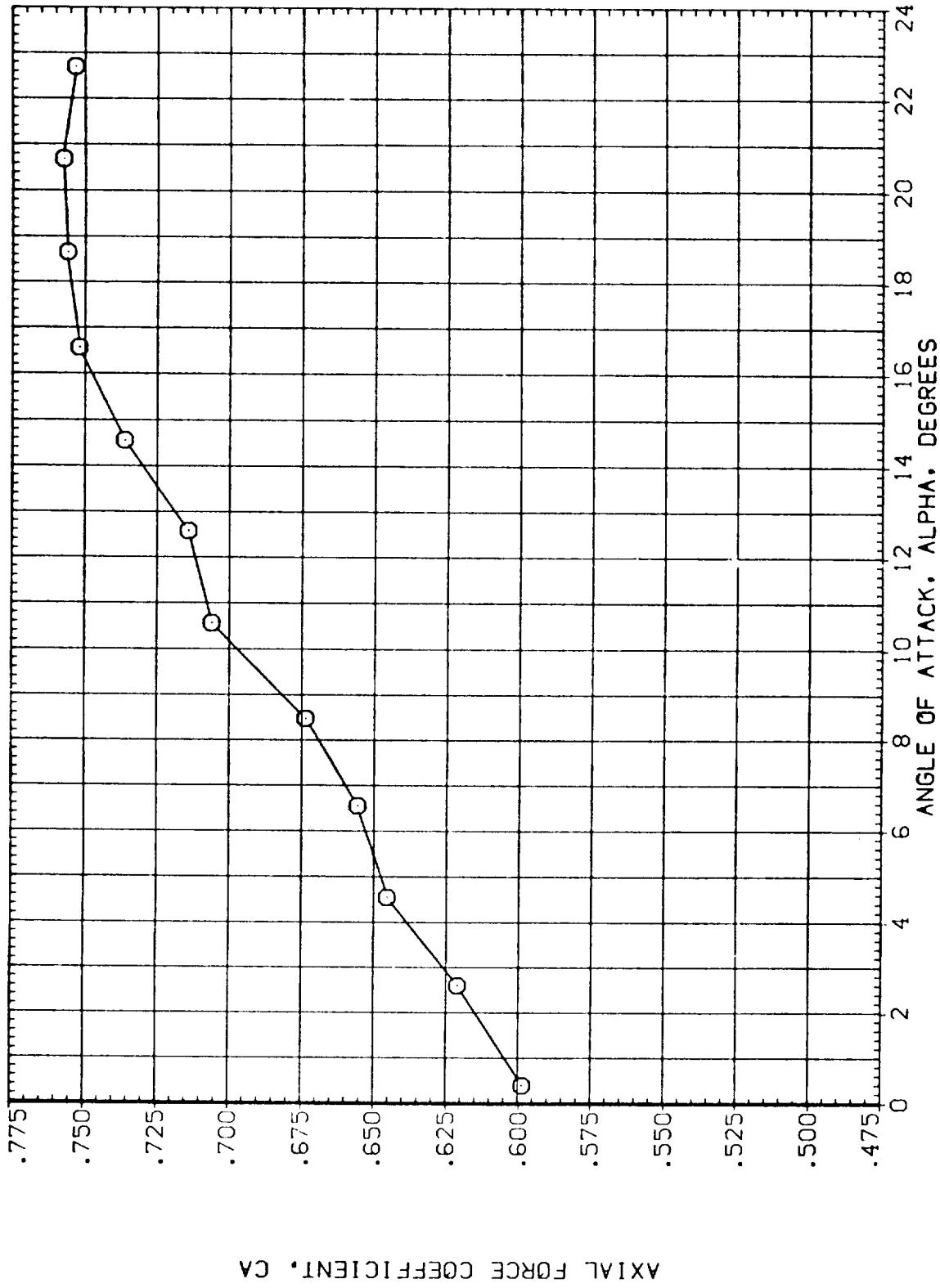


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

DATA		PARAMETRIC VALUES			
SYMBOL		MACH	.802	BETA	.000
○	CY	D1	.000	D3	.000
□	CYC	D2	15.000	D4	15.000
◇	CYT	D1-3	.000	D2-4	15.000
△	CYB	PHI-C	.000	PHI-T	.000

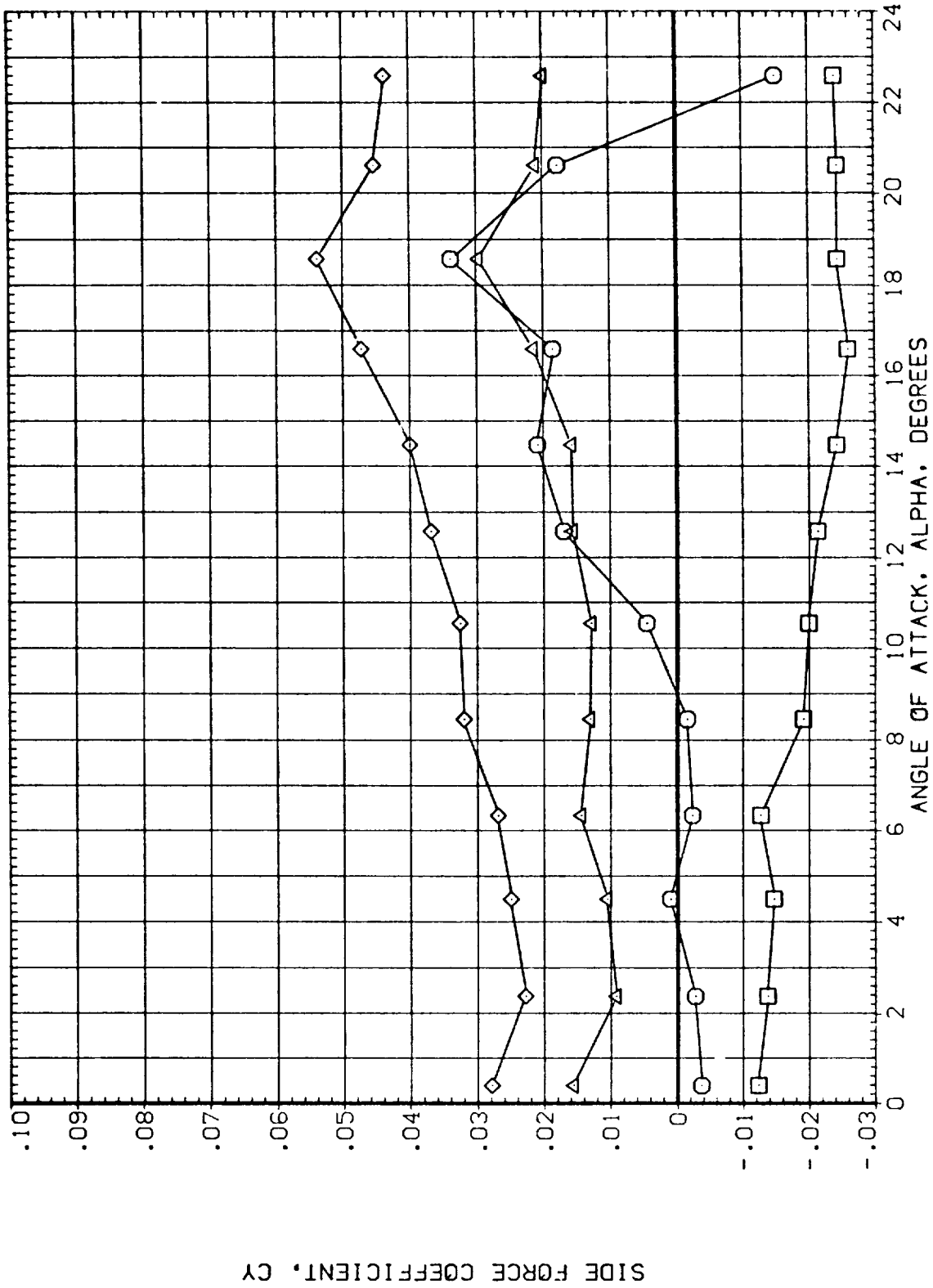


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS



(MEZ123)

CONFIGURATION 10 (BN3C6T2)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CY	1.302	BETA .000
□	CYC	.000	D3 .000
◇	CYT	15.000	D4 15.000
△	CYB	.000	D2-4 15.000
		.000	PHI-C .000
			PHI-T .000

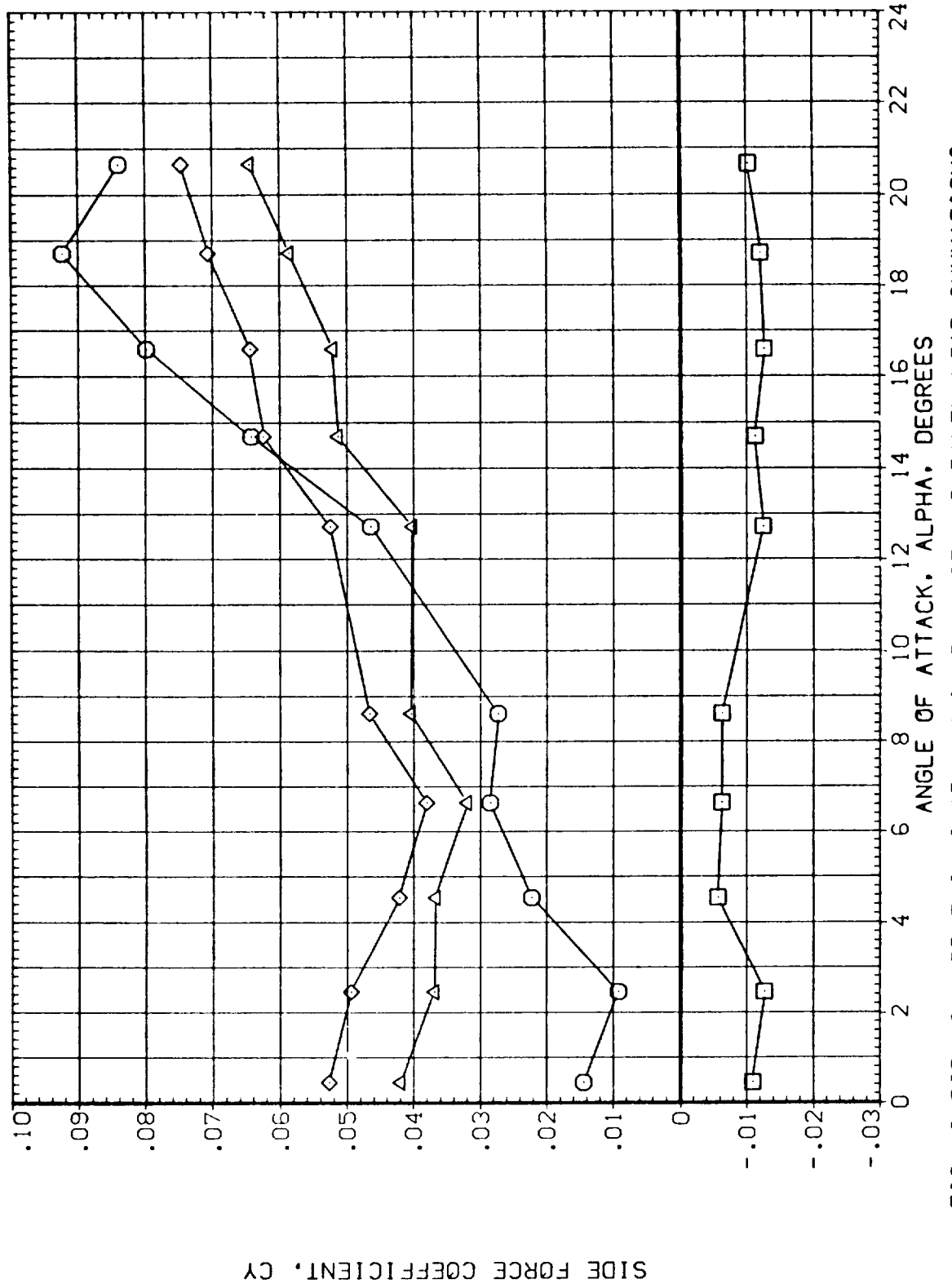


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

SYMBOL	DATA	MACH	PARAMETRIC VALUES
○	CY	1.753	BETA .000
□	CYC	.000	D3 .000
◇	CYT	15.000	D4 15.000
△	CYB	.000	D2-4 15.000
		PHI-C	PHI-T .000

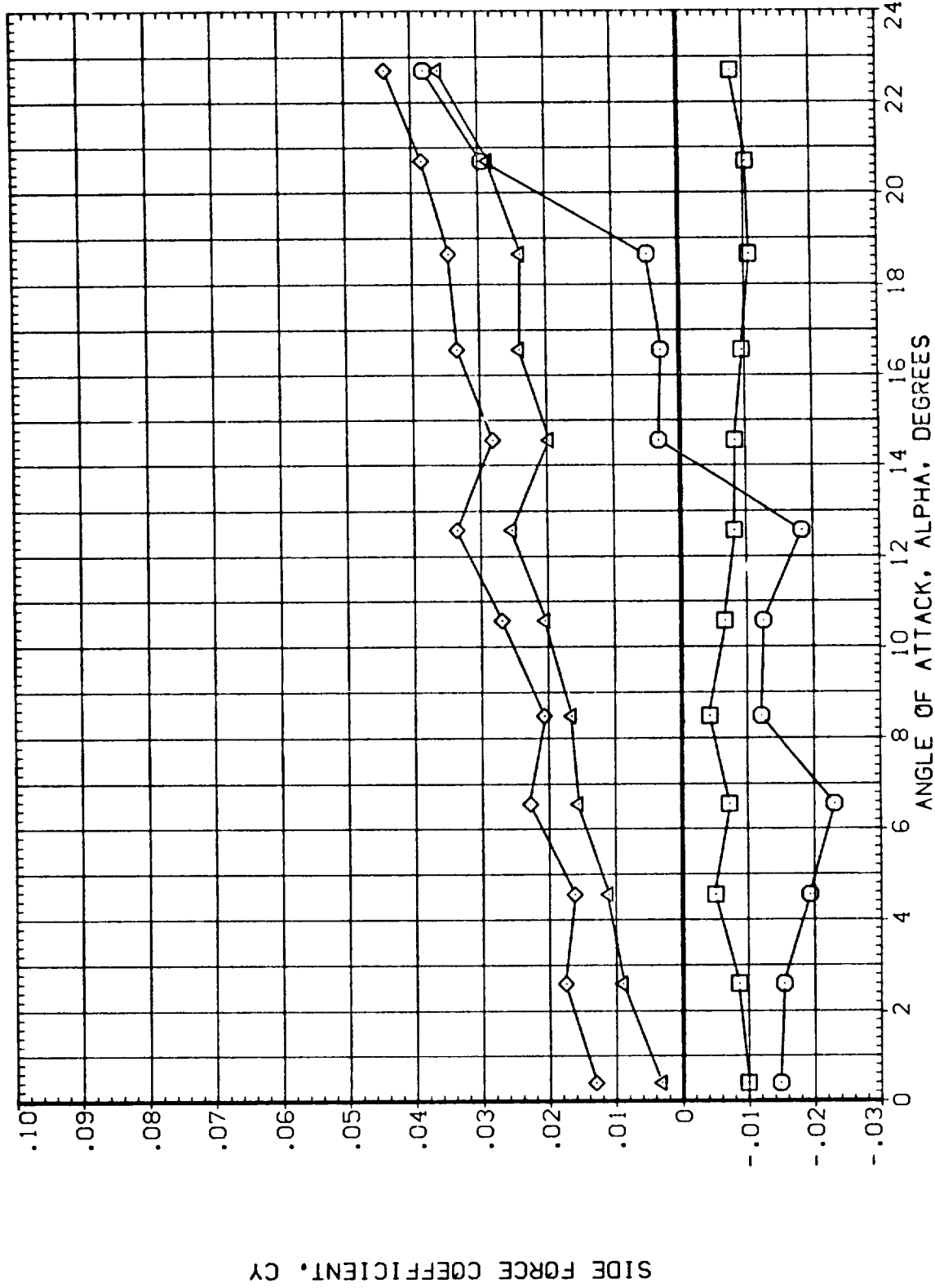


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

(MEZ123)

CONFIGURATION 10 (BN3C6T2)

DATA	PARAMETRIC VALUES
CYM	.802
CYMC	.000
CYMT	.000
CYMB	.000
MACH	BETA
D1	D3
D2	D4
D1-3	D2-4
PHI-C	PHI-T
	.000
	.000
	15.000
	15.000
	.000
	.000

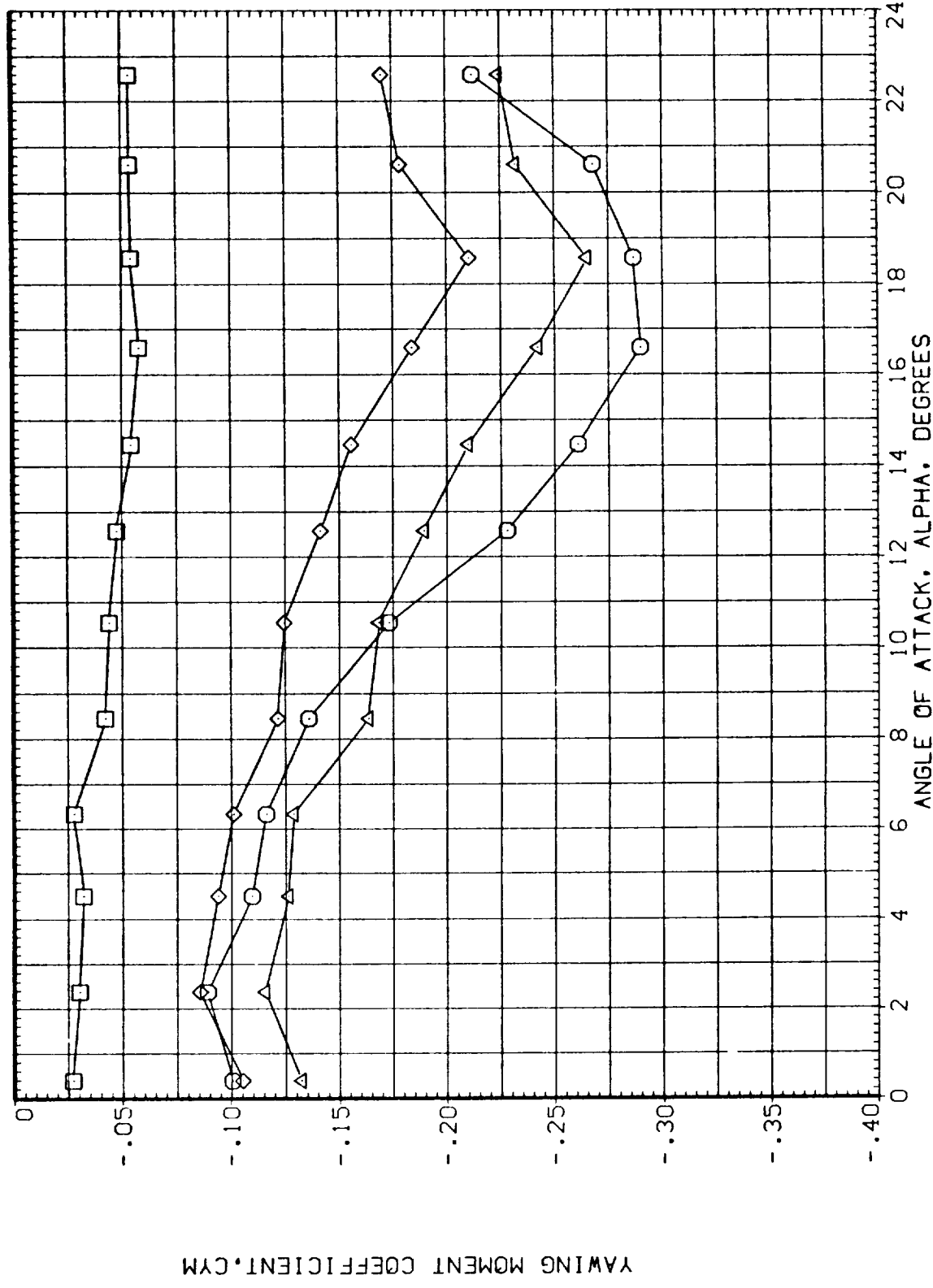


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

DATA		PARAMETRIC VALUES			
CYM	MACH	1.302	BETA	.000	
CYMC	D1	.000	D3	.000	
CYMT	D2	15.000	D4	15.000	
CYMB	D1-3	.000	D2-4	15.000	
	PHI-C	.000	PHI-T	.000	

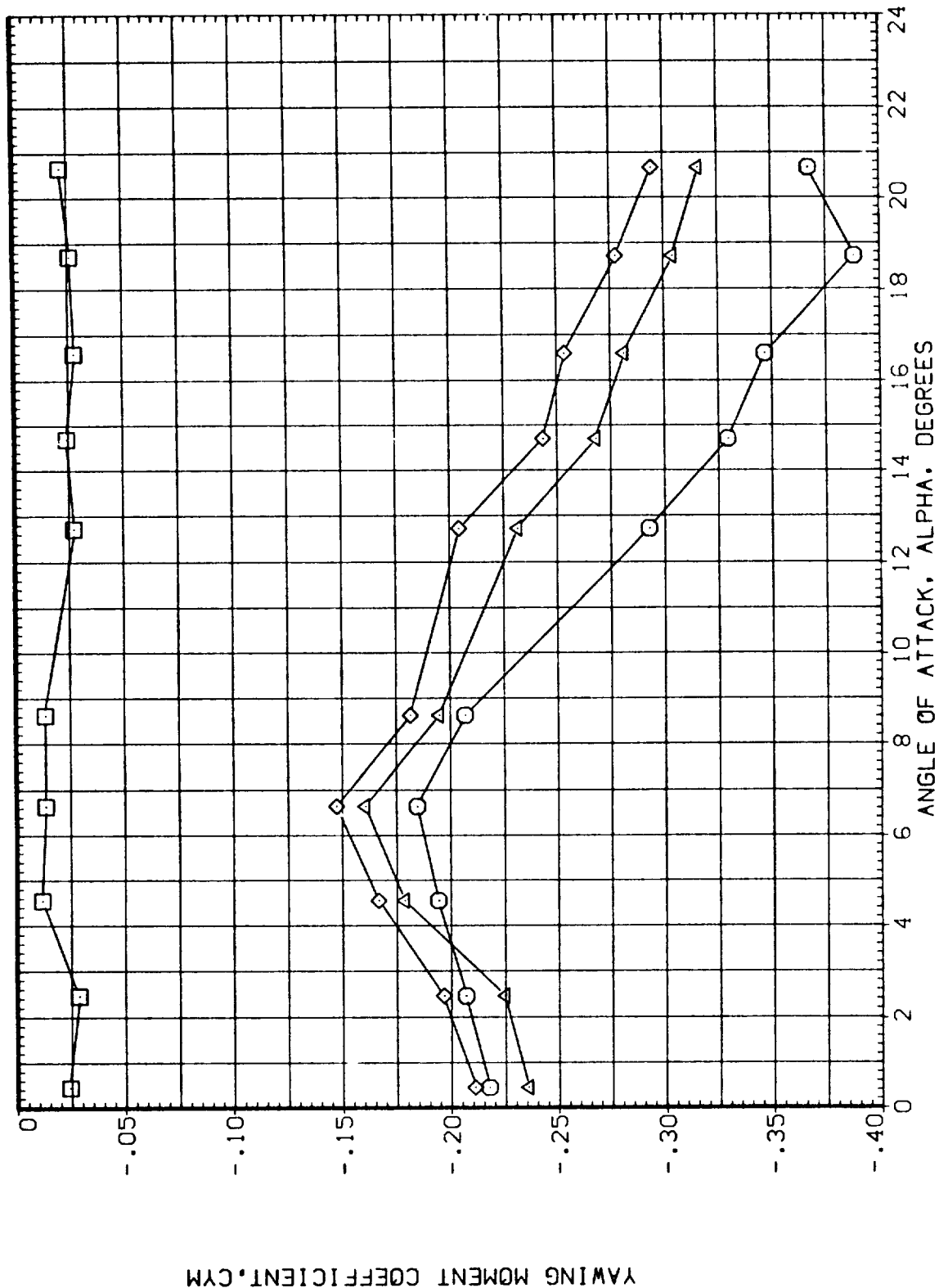


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

(MEZ123)

SYMBOL  
 ○ □ ◇ △

DATA	PARAMETRIC VALUES
CYM	1.753 BETA .000
CYMC	D1 .000 D3 .000
CYMT	D2 15.000 D4 15.000
CYMB	D1-3 .000 D2-4 15.000
	PHI-C .000 PHI-T .000

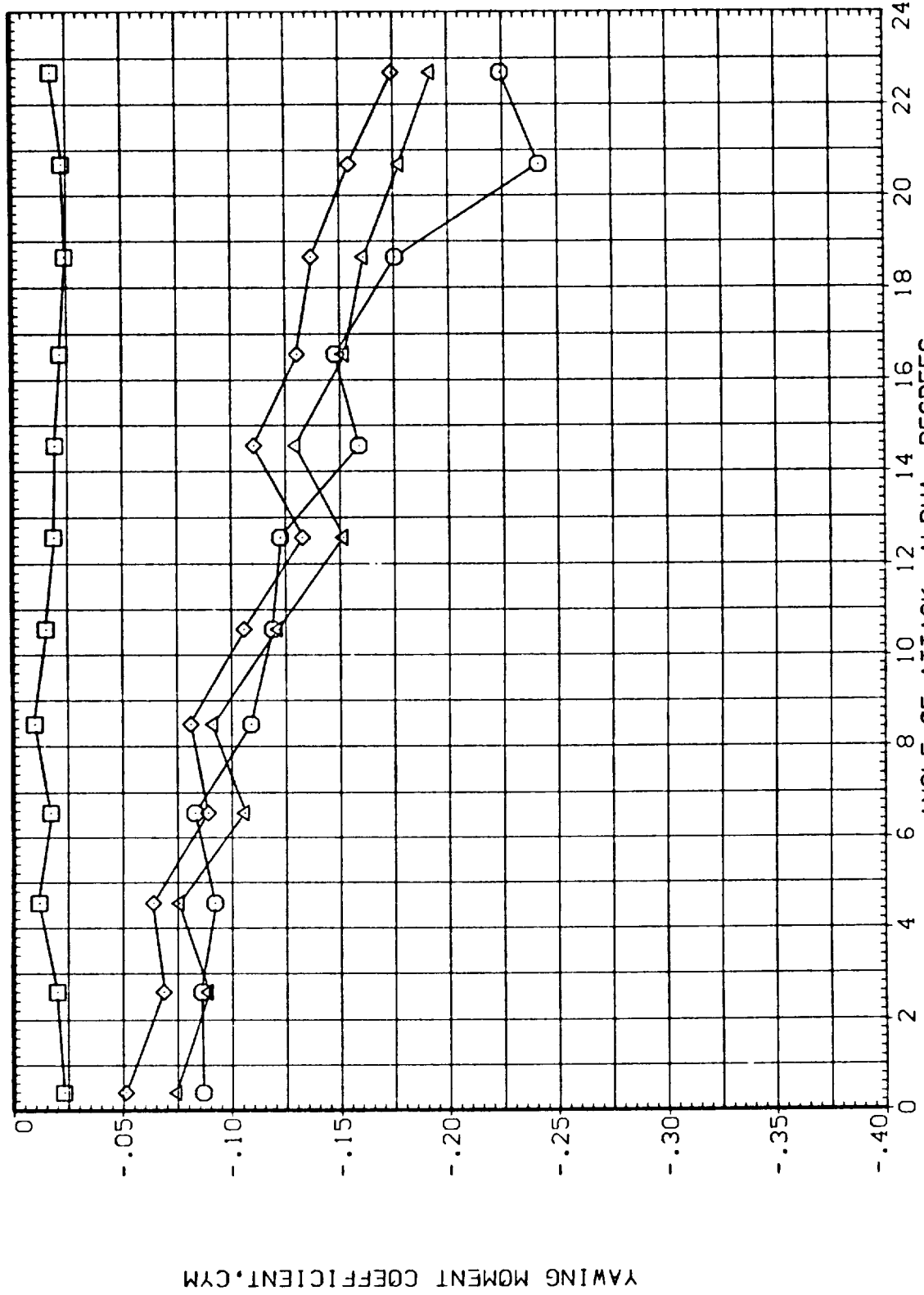


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

DATA	MACH	PARAMETRIC VALUES			
CRM	.802	BETA	.000		
CRMC	.000	D3	.000		
CRHT	15.000	D4	15.000		
CRMB	.000	D2-4	15.000		
	PHI-C	PHI-T	.000		

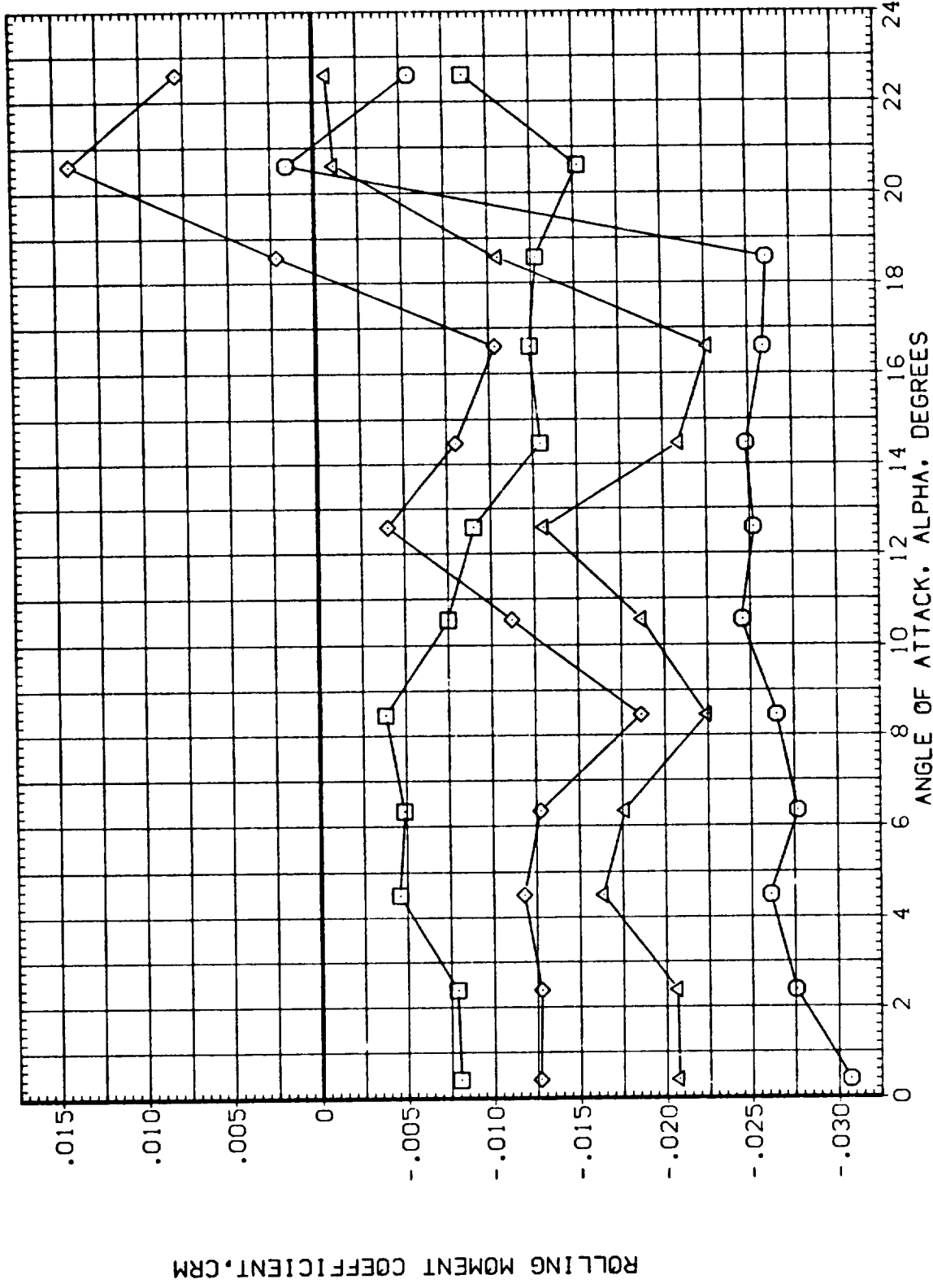


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

(NEZ123)

SYMBOL		PARAMETRIC VALUES			
○	CRM	MACH	1.302	BETA	.000
□	CRMC	D1	.000	D3	.000
◇	CRMT	D2	15.000	D4	15.000
△	CRMB	U1-3	.000	D2-4	15.000
		PHI-C	.000	PHI-T	.000

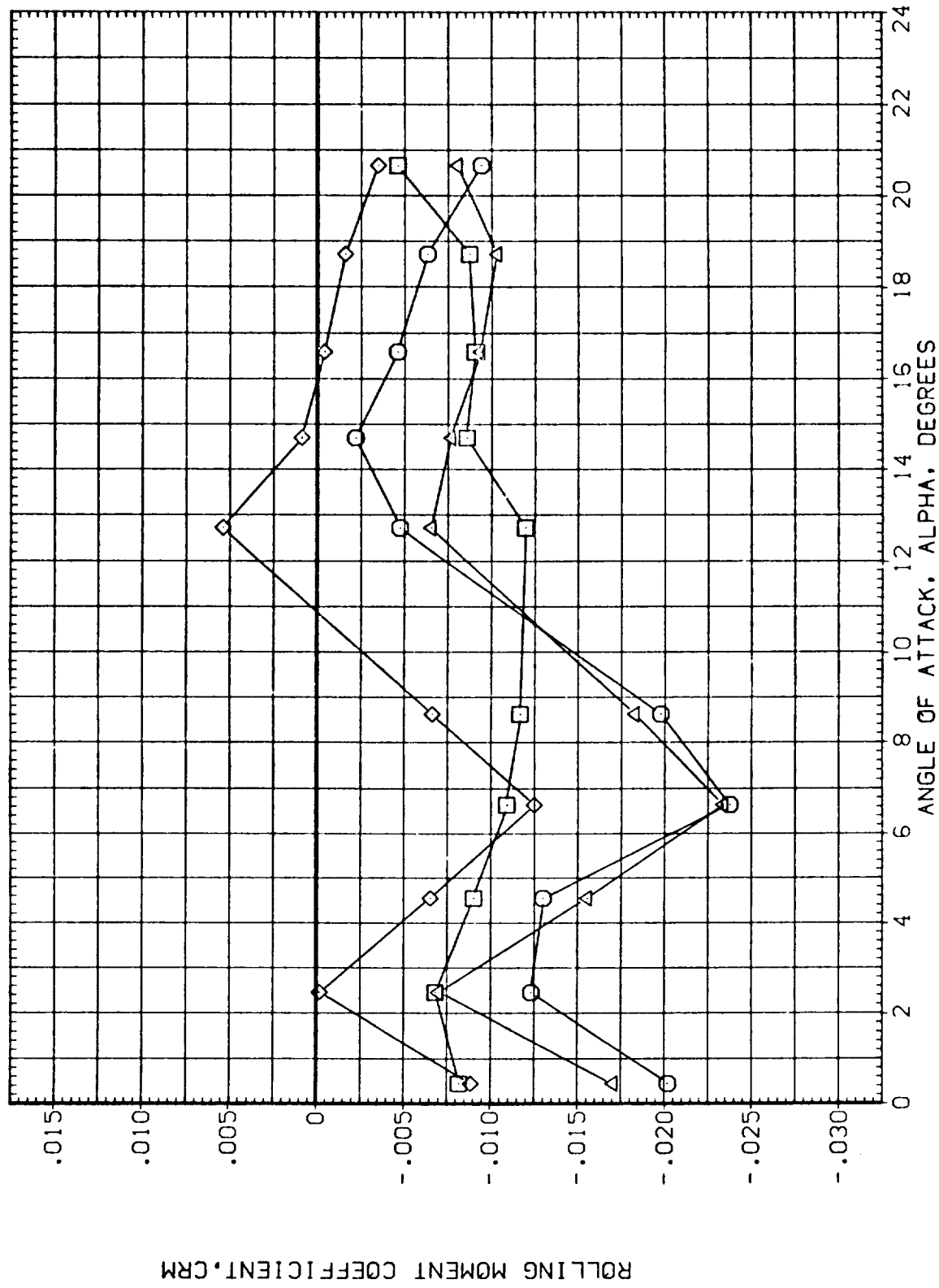


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS

CONFIGURATION 10 (BN3C6T2)

DATA	MACH	PARAMETRIC VALUES			
CRM	1.753	BETA	.000		
CRMC	D1	.000	D3	.000	
CRMT	D2	15.000	D4	15.000	
CRMB	D1-3	.000	D2-4	15.000	
	PHI-C	.000	PHI-T	.000	

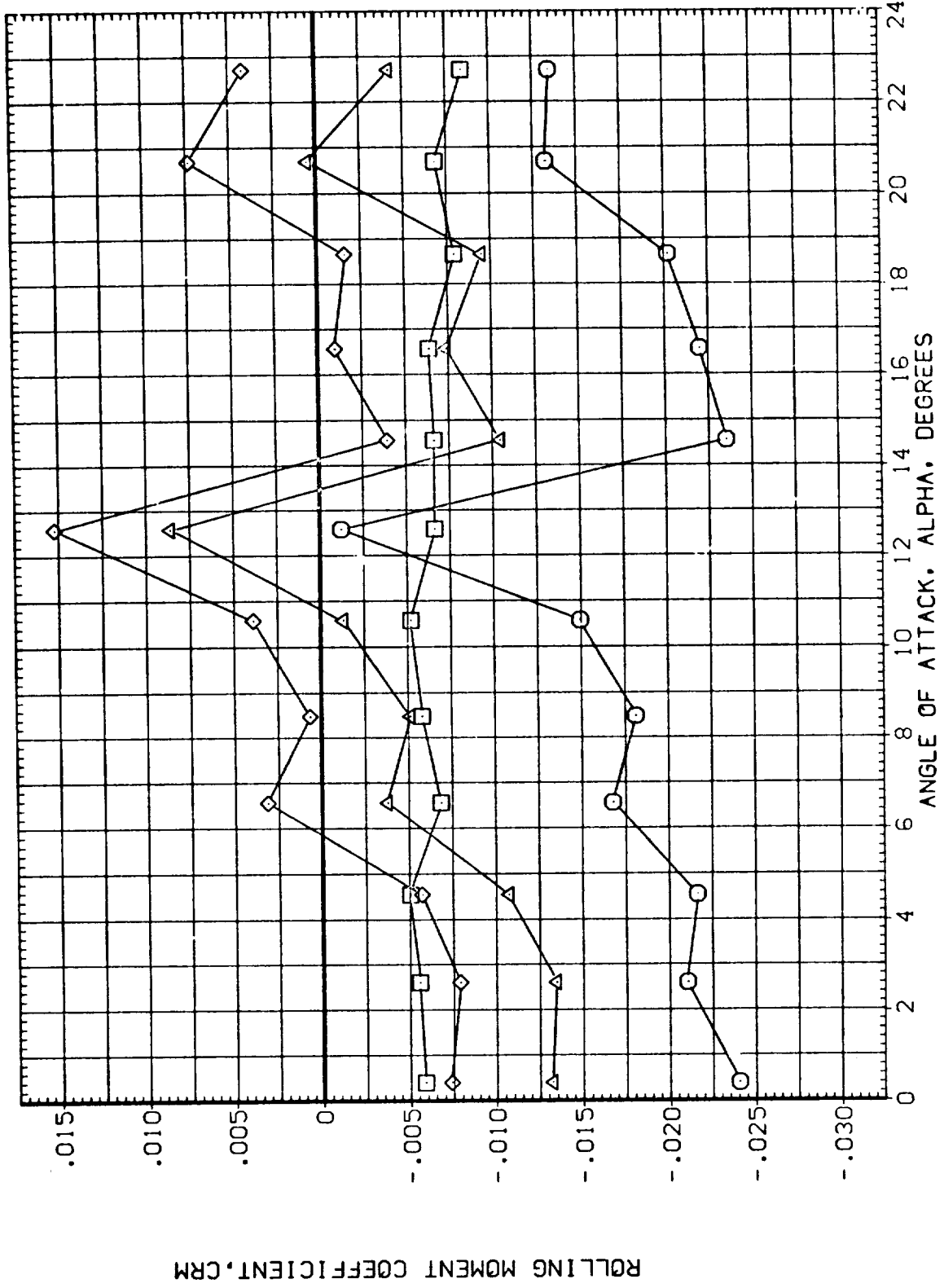


FIG. 8 BODY-CANARD-TAIL CHAR., MAIN BALANCE AND PANEL LOAD SUMMATIONS