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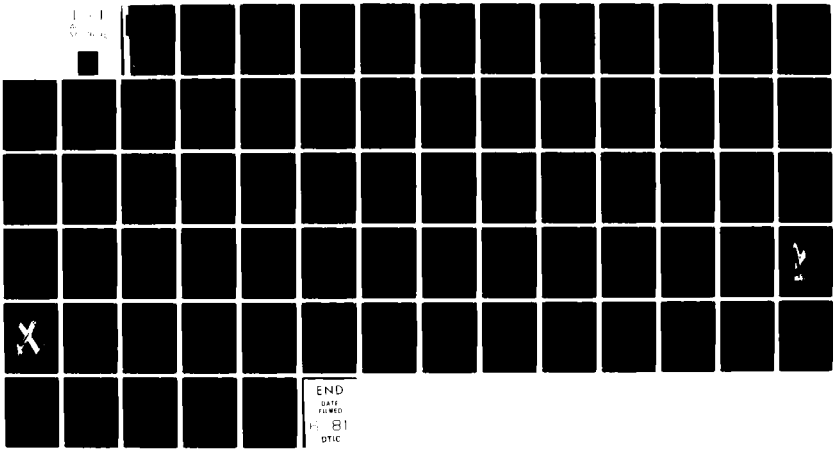

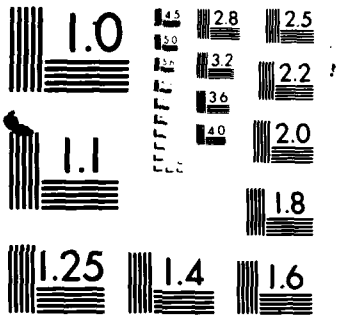

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AERODYNAMICS NOTE 401

THE EFFECT OF A FLARE PACK ON THE HIGH SPEED PERFORMANCE OF THE JINDIVIK MK203B TARGET AIRCRAFT

by

B. D. FAIRLIE

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by

B. D. FAIRLIE

(12)

SUMMARY

Transonic wind tunnel tests are reported on a 1/20th scale model of the Jindivik target aircraft for Mach numbers in the range 0.5 to 0.9. The purpose of these tests was to determine the effect of the addition of a flare pack to the lower rear fuselage on the lateral and longitudinal stability of the aircraft and on the tailplane and elevator effectiveness. The results indicate that the effect of the flare pack is very small and should not significantly degrade the stability or performance of the aircraft.

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16. *ABSTRACT*

Transonic wind tunnel tests are reported on a 1/20th scale model of the Jindivik target aircraft for Mach numbers in the range 0·5 to 0·9. The purpose of these tests was to determine the effect of the addition of a flare pack to the lower rear fuselage on the lateral and longitudinal stability of the aircraft and on the tailplane and elevator effectiveness. The results indicate that the effect of the flare pack is very small and should not significantly degrade the stability or performance of the aircraft.

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NOTATION

a_1	Tailplane effectiveness $= \partial C_{LT}/\partial \alpha_T = \partial C_{LT}/\partial \eta_T$
a_2	Elevator effectiveness $= \partial C_{LT}/\partial \eta$
b	Model nominal wingspan = 11·40 in (289·56 mm)
C_C	Cross wind force coefficient = Cross wind force/$\frac{1}{2}\rho v^2 S$
C_D	Drag force coefficient = Drag force/$\frac{1}{2}\rho v^2 S$
C_L	Lift force coefficient = Lift force/$\frac{1}{2}\rho v^2 S$
C_{LT}	Tailplane lift force coefficient = Tailplane lift force/$\frac{1}{2}\rho v^2 S_T$
C_X	Axial force coefficient = Axial force/$\frac{1}{2}\rho v^2 S$
C_{XB}	Base force coefficient $= (p_B - p)S_B/\frac{1}{2}\rho v^2 S$
C_Y	Side force coefficient = Side force/$\frac{1}{2}\rho v^2 S$
C_Z	Normal force coefficient = Normal force/$\frac{1}{2}\rho v^2 S$
C_l	Rolling moment coefficient = Rolling moment about centre of gravity/$\frac{1}{2}\rho v^2 Sb$
C_m	Pitching moment coefficient = Pitching moment about centre of gravity/$\frac{1}{2}\rho v^2 Sc$
C_n	Yawing moment coefficient = Yawing moment about centre of gravity/$\frac{1}{2}\rho v^2 Sb$
c	Model wing chord = 2·40 in. (60·96 mm)
l_v	Effective dihedral $= (\partial C_l/\partial \beta)\ \alpha$, M = const.
M	Free steam Mach number
n_v	Weathercock stability derivative $= (\partial C_n/\partial \beta)\ \alpha$, M = const.
p	Free stream static pressure
p_B	Model base pressure
R	Reynolds number based on model wing chord.
S	Model nominal wing area = 27·36 in^2 (17651 mm^2)
S_B	Model base area = 0·83 in^2 (535·5 mm^2)
S_T	Model nominal tailplane area = 5·265 in^2 (3396 mm^2)
v	Free stream velocity
α	Angle of incidence: the angle between the wind vector and its projection in the chordal plane.
α_1	Alternative angle of incidence: the angle between the model axis and the projection of the wind vector on the model plane of symmetry.
α_T	Tailplane angle of incidence.
β	Angle of sideslip: the angle between the wind vector and its projection on the model plane of symmetry.
η	Elevator angle with respect to tail plane chord.
η	Elevator angle to trim ($C_m = 0$).

η_T Tailplane angle with respect to fuselage reference line.

$\overline{\eta_T}$ Tailplane angle to trim ($C_m = 0$).

ρ Free stream density.

ϕ Model roll angle.

Notes:

(i) See Figure 1 for sign conventions for forces and moments and attitude angles.

(ii) The nominal aircraft centre of gravity was taken to be located at 0·2 c and 0·1125 in. (2·8575 mm) (model scale) below the fuselage reference line.

(iii) Since the full scale aircraft and the model were both manufactured before the introduction of *SI* units, all dimensions have been expressed in feet and inches, with the equivalent *SI* unit following in brackets where appropriate.

1. INTRODUCTION

For a particular application of the Jindivik target aircraft it was proposed that a flare pack be mounted on the lower rear fuselage of some aircraft. A comparison of the lateral and longitudinal stability and tailplane and elevator effectiveness with and without the flare pack fitted was requested by the Government Aircraft Factory and a wind tunnel test programme proposed. A 1/20th scale complete model of the Jindivik 203B was available and a scale model of the flare pack was manufactured and mounted on this model. The present note reports six-component force and moment measurements conducted in the transonic wind tunnel of the Aeronautical Research Laboratories during August and September 1979.

2. TEST DETAILS

2.1 Model

Throughout the test programme a 1/20th scale complete metal model of the Jindivik 203B aircraft was used. The major features of this configuration were as follows: short wing with Mk 8 fuel pods (with fins), nominal $+1°$ twisted flap, fixed aileron drooped at $+1\frac{1}{2}°$. No intake ducting was represented. An unfaired landing skid was represented in the stowed position on the underside of the fuselage. For all tests except those for determining tailplane and elevator effectiveness, the tailplane angle was set to the current standard value ($\eta_T = -\frac{1}{2}°$) with the elevator undeflected. The main dimensions of the model and full-scale aircraft are given in Table 1 and a sketch of the aircraft is presented in Figure 2.

The flare pack was mounted as shown in Figure 3 with its centreline parallel to the fuselage reference line. This figure also gives the dimensions of the flare pack which were as specified by the Government Aircraft Factories. Photographs of the model with the flare pack in place are presented in Figures 4 and 5.

Owing to the low Reynolds number of the tests (approximately $0{\cdot}45 \times 10^6$) boundary layer transition was fixed an all windswept surfaces by bands distributed of roughness. These roughness bands were placed on the upper and lower surfaces of the wing, tailplane, fin, fuselage, pods and pod fins and consisted of approximately 3 mm wide bands made up of particles 0·15 mm diameter with a coverage of 10–20%.

2.2 Wind Tunnel

The tests were conducted in the transonic wind tunnel of these laboratories. The nominal dimensions of the tunnel test section are 0·81 m by 0·53 m. For these tests, all test section walls were longitudinally slotted (Fig. 6) with an open area ratio at the model location of 10·5%.

The maximum frontal cross-sectional area of the model at zero incidence was 5·36 in² (3458 mm²) giving a blockage ratio of 0·81%. Since the range of incidence of the tests was limited, no tunnel interference corrections were applied to the results.

Mach number and dynamic pressure were derived from measurements of the static pressure in the plenum chamber surrounding the test section and of the static pressure in the contraction entry, assuming these to be the static and total pressures respectively of the test section flow.

2.3 Test Programme

Six component force and moment coefficient were measured for both the clean aircraft and with the flare pack in place. The tests covered a range of incidence of $-3° \leqslant \alpha \leqslant 7°$ (at zero sideslip) and a sideslip range of $0° \leqslant \beta \leqslant 4°$ (at zero incidence). Model attitude was corrected

for sting and balance deflections under load. The range of Mach number tested was $0 \cdot 5 \leqslant m \leqslant 0 \cdot 90$ in eight steps.

In addition, tests were conducted to determine the effect of the flare pack on tailplane and elevator effectiveness. These tests covered seven tailplane angles in the range $-2\frac{1}{2}° \leqslant \eta_T \leqslant +3\frac{1}{2}°$ (for $-3° \leqslant \alpha \leqslant 7°$, $\beta = 0°$, $\eta = 0°$) and six elevator angles in the range $-15° \leqslant \eta \leqslant +10°$ (for $0° \leqslant \alpha \leqslant 6°$, $\beta = 0°$, $\eta_T = +\frac{1}{2}°$).

Tailplane and elevator angles referred to in the tabulated results in Tables 2 and 3 are nominal angles: the corresponding measured angles are tabulated balow.

Nominal		Measured		Nominal		Measured	
η_T	η	η_T	η	η	η_T	η	η_T
$-2\frac{1}{2}°$	0°	−2·52°	0·00°	−15°	$\frac{1}{2}°$	−17·45°	0·50°
$-1\frac{1}{2}°$	0°	−1·42°	0·00°	−10°	$\frac{1}{2}°$	−10·25°	0·50°
$-\frac{1}{2}°$	0°	−0·50°	0·00°	−5°	$\frac{1}{2}°$	−4·50	0·50°
$\frac{1}{2}°$	0°	0·50°	0·00°	0°	$\frac{1}{2}°$	0·00°	0·51°
$1\frac{1}{2}°$	0°	1·78°	0·00°	5°	$\frac{1}{2}°$	5·50°	0·52°
$2\frac{1}{2}°$	0°	2·68°	0·00°	10°	$\frac{1}{2}°$	10·25°	0·44°
$3\frac{1}{2}°$	0°	3·90°	0·00°				

Measurement accuracy for the above angles was $\pm 0 \cdot 02°$ for η_T and $\pm 0 \cdot 05°$ for η.

For all tests, the Reynolds number (based on wing chord) was kept approximately constant at $0 \cdot 45 \pm 0 \cdot 03 \times 16^6$ by varying tunnel pressure.

3. RESULTS AND DISCUSSION

3.1 Longitudinal Stability

Figures 7 and 8 show the effect of the flare pack on the variation of lift coefficient with incidence, and on the variation of lift curve slope with Mach number. In both cases, the effect of the flare pack is extremely small. The effect on pitching moment is shown in Figure 9 where pitching moment coefficient is plotted against lift coefficient and in Figure 10 where pitching moment coefficient is plotted against Mach number. A slight increase in nose up pitching moment with the flare pack in place is evident in both these figures. This increase is probably associated with a decrease in tail lift due to interference from the flare pack. Drag coefficient is plotted against lift coefficient in Figure 11 and against Mach number in Figure 12. As would be expected the flare pack gives rise to a small increment in drag coefficient. This increment is always less than 0·005 and the major effect of the flare pack is to produce a small "drag creep" just before the drag rise Mach number.

3.2 Lateral Stability

The effect of the flare pack on yawing moment coefficient and on the weathercock stability derivative is shown in Figures 13 and 14. The increase in lateral area contributed by the flare pack leads to a small increase in weathercock stability derivative ($\partial C_n/\partial\beta$) giving a slightly greater stability margin throughout the tested range of Mach number. The increase in lateral area also accounts for the increased slopes of the sideforce coefficient versus sideslip curves presented in Figure 15, but once again the effect is quite small. As would be expected, the effect of the flare pack on the variation of rolling moment coefficient with sideslip and of effective dihedral ($\partial C_l/\partial\beta$) with Mach number plotted in Figures 16 and 17 is virtually nonexistant.

3.3 Tailplane and Elevator Effectiveness

The effect of the flare pack on tailplane and elevator effectiveness is obtained from comparisons with curves derived for the clean aircraft in Reference 1. The slight increase in nose up pitching moment caused by the flare pack is reflected in the curves of tailplane angle to trim ($C_m = 0$) and tailplane effectiveness plotted against Mach number in Figures 18 and 19. Although there is significant scatter in the results, the general trend is for an increase in tailplane angle to trim and a decrease in tailplane effectiveness due to the addition of the flare pack, although once again the effects are very small. No such trends are apparent in Figures 20 and 21 in which elevator angle to trim and elevator effectiveness are plotted against Mach number. In this case the curves with the flare pack fitted are very close to those for the clean aircraft.

4. CONCLUSIONS

Transonic wind tunnel tests have been carried out to determine the effect of the addition of a flare pack to the Jindivik 203B aircraft on its lateral and longitudinal stability and tailplane and elevator effectiveness. The tests were conducted on a 1/20th scale model equipped with a six-component strain gauge balance. The tests covered angles of incidence from $-3°$ to $7°$ and angles of sideslip from $0°$ to $4°$ for Mach numbers between $0{\cdot}5$ and $0{\cdot}9$. In general, the effect of the flare pack was found to be very small, the only significant changes being to pitching moment, drag and yawing moment. The effect on pitching moment was to produce a slight increase in nose up pitch throughout the test range. This increase, which is evidently associated with a decrease in tailplane lift due to interference from the flare pack, was also reflected in a small increase in tailplane angle to trim and a corresponding decrease in tailplane effectiveness. The effect on drag was to produce a small drag increment (less than $0{\cdot}005$) with the major effect being a small "drag creep" before the compressibility drag rise. Due to the increase in lateral area, the effect of the flare pack on yawing moment was an increase in the weathercock stability derivative.

None of these effects produced a significant degradation in the overall stability of the aircraft and hence, on the basis of these tests, the addition of the flare pack should not significantly affect the performance of the aircraft.

REFERENCES

1. Fairlie, B. D. Transonic wind tunnel measurements of the tailplane and elevator effectiveness of the Jindivik target aircraft.
Aeronautical Research Laboratories, Tech. Note, Aero. 400, 1980.

TABLE 1

Main Dimensions of Model and Full Scale Aircraft

	Model Scale	Full Scale
(1) Wing		
Chord	2·40 in.	48·00 in.
Span (nominal)	11·40 in.	228·00 in.
To centreline of pods	11·82 in.	236·48 in.
Gross wing area	27·36 in.^{2}	76·0 ft.^{2}
Wing section	NACA 64–106 (modified)	
Aspect ratio	4·75	
Taper ratio	1·0	
Leading edge sweep	0°	
Trailing edge sweep	0°	
Dihedral	2·5°	
Incidence relative to F.R.L.	1·0°	
(2) Flaps		
Chord	0·60 in.	12·00 in.
Span (per side)	3·45 in.	68·95 in.
Area (per side)	2·07 in.^{2}	827·4 in.^{2}
Distance from inboard end to aircraft datum	0·79 in.	15·75 in.
Neutral Setting — Inboard	+2°	
Neutral Setting — Outboard	0°	
Nominal setting	+1°	
(3) Ailerons		
Chord	0·60 in.	12·00 in.
Span (per side)	1·35 in.	27·00 in.
Area (per side)	0·81 in.^{2}	324·0 in.^{2}
Distance from inboard end to aircraft datum	4·25 in.	84·96 in.
Neutral setting	0°	
(4) MK.8 Pods		
Overal length	7·22 in.	144·33 in.
Diameter	0·625 in.	12·50 in.
Distance from pod centreline to F.R.L.	5·91 in.	118·24 in.
Distance from pod nose to 25% wing chord	3·70 in.	74·09 in.
(5) Pod Fins		
Distance from pod nose to fin trailing edge	6·25 in.	125·00 in.
Root chord	1·20 in.	24·00 in.
Tip chord	0·60 in.	12·00 in.
Maximum height above pod centreline	0·91 in.	18·25 in.
Angle between fin and F.R.L.	25°	
Aerofoil section	NACA 64–008 (modified)	
(6) Tailplane		
Chord	1·35 in.	27·00 in.
Span	3·90 in.	78·00 in.
Gross area	5·265 in.^{2}	2106·0 in.^{2}
Aspect ratio	2·89	
Taper ratio	1·0	
Sweep at quarter chord	0°	
Incidence relative to F.R.L.	$-\frac{1}{2}$°	−0°27'
Aerofoil section	NACA 64–006	

TABLE 1 (*Continued*)

Main Dimensions of Model and Full Scale Aircraft

	Model Scale	Full Scale
(7) Elevators		
Chord	0·45 in.	9·00 in.
Span (per side)	1·63 in.	32·64 in.
Area (per side)	0·73 in.^{2}	293·4 in.^{2}
Distance from inboard end to F.R.L.	0·28 in.	5·55 in.
(8) Fin		
Maximum height above F.R.L.	2·64 in.	52·80 in.
Gross area above tailplane chord	2·35 in.^{2}	938·9 in.^{2}
Sweep back of leading edge	$14\frac{1}{2}°$	
Sweep back of trailing edge	0°	
Tip chord	1·20 in.	24·00 in.
Root chord	1·60 in.	32·00 in.
Aerofoil section	(NACA 64–006 (modified)	
(9) Fuselage		
Overall length (excluding pitot probe)	13·99 in.	279·75 in.
Maximum height excluding skid beam	1·90 in.	38·04 in.
Maximum width	1·65 in.	33·00 in.
Distance of 25% wing chord aft of STN 'O'	6·61 in.	132·25 in.
Distance of 25% wing chord below F.R.L.	0·41 in.	8·25 in.
Distance of 25% tailplane chord aft of STN'O'	12·27 in.	245·45 in.
Distance of 25% tailplane chord above F.R.L.	0·86 in.	17·24 in.
Distance of fin trailing edge aft of STN'O'	13·17 in.	263·37 in.

INDEX TO TABLES 2 AND 3

Table No.	Flare pack	η	η_T	α	β
2	Off	0°	$-\frac{1}{2}$°	−3° to +7°	0°
	Off	0°	$-\frac{1}{2}$°	0°	0° to +4°
3A	On	0°	$-\frac{1}{2}$°	−3° to +7°	0°
	On	0°	$-\frac{1}{2}$°	0°	0° to +4°
3B	On	0°	$-2\frac{1}{2}$°	−3° to +7°	0°
3C	On	0°	$-1\frac{1}{2}$°	−3° to +7°	0°
3D	On	0°	$\frac{1}{2}$°	−3° to +7°	0°
3E	On	0°	$1\frac{1}{2}$°	−3° to +7°	0°
3F	On	0°	$2\frac{1}{2}$°	−3° to +7°	0°
3G	On	0°	$3\frac{1}{2}$°	−3° to +7°	0°
3H	On	−15°	$\frac{1}{2}$°	0° to 6°	0°
3I	On	−10°	$\frac{1}{2}$°	0° to 6°	0°
SJ	On	−5°	$\frac{1}{2}$°	0° to 6°	0°
3K	On	0°	$\frac{1}{2}$°	0° to 6°	0°
3L	On	5°	$\frac{1}{2}$°	0° to 6°	0°
3M	On	10°	$\frac{1}{2}$°	0° to 6°	0°

NOTATION FOR TABLES 2 AND 3

The following notation refers to the computer generated data listings in Tables 2 and 3. Where appropriate, the corresponding notation from the main body of the note is also included

Table 2 Notation	Main Body Notation	Explanation
SER	—	Serial number
REYN	R	Reynold's number
MACH	M	Free stream Mach number
INCID.	α	Angle of incidence
LIFT.	C_L	Lift coefficient
PITCH	C_T	Pitching moment coefficient
DRAG	C_D	Drag force coefficient
NORMAL	C_Z	Normal force coefficient
AXIAL	C_X	Axial force coefficient
CLSQ.	$C_L{}^2$	Lift coefficient squared
BASE	C_{XB}	Base force coefficient
AINC	α_1	Alternative angle of incidence
SLIP	β	Angle of sideslip
CROSS	C_C	Cross wind force coefficient
YAW M.	C_n	Yawing moment coefficient
ROLL M.	C_l	Rolling moment coefficient
RANG	ϕ	Roll angle
SIDE F	C_Y	Side force coefficient

TABLE 2

Tabulated Results

Clean Aircraft

TABLE 2
CLEAN AIRCRAFT
ETA = 0° ETA(T) = -1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
090	0.435	0.901	07.43	0.8750	-0.1207	0.1727	-0.8901	-0.0558	0.7654	0.0023	07.43	00.00	-0.0018	-0.0010	-0.0009	179.9	0.0017
091	0.435	0.901	06.91	0.8389	-0.1190	0.1571	-0.8510	-0.0529	0.7037	0.0022	06.91	00.00	-0.0016	-0.0013	-0.0005	179.9	0.0015
092	0.435	0.901	06.38	0.7976	-0.1126	0.1429	-0.8087	-0.0509	0.6361	0.0024	06.38	00.00	-0.0013	-0.0013	-0.0009	179.9	0.0012
094	0.435	0.900	06.87	0.7534	-0.1047	0.1453	-0.7655	-0.0518	0.5675	0.0024	06.87	00.00	-0.0014	-0.0014	-0.0006	179.9	0.0013
095	0.435	0.900	05.87	0.7566	-0.1061	0.1300	-0.7661	-0.0496	0.5724	0.0024	05.87	00.00	-0.0016	-0.0013	-0.0006	179.9	0.0015
096	0.439	0.902	05.35	0.7210	-0.1008	0.1207	-0.7292	-0.0506	0.5197	0.0024	05.35	00.00	0.0002	-0.0014	-0.0008	179.9	-0.0003
097	0.435	0.900	04.31	0.6357	-0.0847	0.0999	-0.6415	-0.0497	0.4040	0.0022	04.31	00.00	-0.0001	-0.0008	0.0004	180.0	0.0000
098	0.435	0.900	03.26	0.5447	-0.0781	0.0849	-0.5487	-0.0514	0.2965	0.0024	03.26	00.00	0.0008	-0.0004	0.0010	180.0	-0.0009
099	0.439	0.901	01.14	0.3151	-0.0525	0.0598	-0.3163	-0.0517	0.0992	0.0019	01.14	00.00	0.0007	-0.0003	0.0014	180.0	-0.0008
100	0.478	0.900	-00.99	0.0434	-0.0127	0.0494	-0.0426	-0.0483	0.0018	0.0019	-00.99	00.00	0.0030	0.0003	0.0018	180.0	-0.0031
101	0.439	0.900	-03.14	-0.2628	0.0359	0.0574	0.2654	-0.0415	0.0689	0.0015	-03.14	-00.01	0.0036	0.0004	0.0022	180.0	-0.0037
102	0.432	0.880	07.43	0.8389	-0.0913	0.1570	-0.8523	-0.0459	0.7036	0.0021	07.43	00.00	-0.0016	-0.0010	0.0010	180.0	0.0015
103	0.432	0.880	06.91	0.8241	-0.1028	0.1493	-0.8362	-0.0471	0.6791	0.0020	06.91	00.00	-0.0009	-0.0013	-0.0013	179.9	0.0008
104	0.429	0.878	06.39	0.7904	-0.0975	0.1365	-0.8008	-0.0456	0.6246	0.0021	06.39	00.00	-0.0019	-0.0015	-0.0016	179.9	0.0018
105	0.429	0.879	05.87	0.7535	-0.0893	0.1233	-0.7623	-0.0434	0.5677	0.0021	05.87	00.00	-0.0013	-0.0011	-0.0007	179.9	0.0012
106	0.432	0.881	05.35	0.7126	-0.0835	0.1133	-0.7202	-0.0441	0.5077	0.0022	05.35	00.00	-0.0011	-0.0012	-0.0005	179.9	0.0010
107	0.432	0.879	04.32	0.6342	-0.0649	0.0937	-0.6396	-0.0436	0.4021	0.0020	04.32	00.00	-0.0013	-0.0010	-0.0001	179.9	0.0012
108	0.432	0.881	03.28	0.5479	-0.0561	0.0771	-0.5515	-0.0437	0.2999	0.0020	03.28	00.00	0.0002	-0.0004	0.0010	180.0	-0.0003
109	0.432	0.879	01.17	0.3393	-0.0351	0.0550	-0.3404	-0.0462	0.1150	0.0020	01.17	00.00	0.0008	0.0000	0.0013	180.0	-0.0009
110	0.432	0.879	-00.97	0.0671	-0.0040	0.0436	-0.0664	-0.0431	0.0044	0.0017	-00.97	00.00	0.0022	0.0001	0.0018	180.0	-0.0023
111	0.432	0.880	-03.13	-0.2571	0.0340	0.0518	0.2595	-0.0362	0.0659	0.0016	-03.13	-00.01	0.0042	0.0007	0.0018	180.0	-0.0043
114	0.442	0.859	07.40	0.8177	-0.1027	0.1518	-0.8306	-0.0432	0.6686	0.0020	07.40	00.00	-0.0013	-0.0013	0.0035	180.0	0.0012
115	0.444	0.861	06.81	0.8118	-0.0967	0.1411	-0.8230	-0.0406	0.6508	0.0019	06.91	00.00	-0.0019	-0.0013	0.0004	180.0	0.0018
116	0.440	0.862	06.40	0.7933	-0.0875	0.1320	-0.8033	-0.0416	0.6291	0.0019	06.40	00.00	-0.0021	-0.0014	-0.0012	179.9	0.0020
117	0.442	0.859	05.89	0.7594	-0.0785	0.1193	-0.7678	-0.0389	0.5767	0.0019	05.89	00.00	-0.0014	-0.0014	-0.0006	179.9	0.0013
118	0.440	0.860	05.37	0.7198	-0.0704	0.1066	-0.7267	-0.0367	0.5181	0.0020	05.37	00.00	-0.0011	-0.0013	-0.0002	179.9	0.0010
119	0.440	0.859	04.34	0.6450	-0.0538	0.0886	-0.6500	-0.0374	0.4159	0.0021	04.34	00.00	0.0002	-0.0009	0.0003	180.0	-0.0003
120	0.442	0.859	03.30	0.5604	-0.0397	0.0737	-0.5638	-0.0394	0.3139	0.0019	03.30	00.00	0.0008	-0.0005	0.0013	180.0	-0.0009
121	0.440	0.861	01.19	0.3494	-0.0191	0.0510	-0.3505	-0.0421	0.1220	0.0017	01.19	00.00	0.0015	0.0002	0.0017	180.0	-0.0016
122	0.440	0.860	-00.96	0.0645	0.0078	0.0395	-0.0639	-0.0391	0.0040	0.0015	-00.96	00.00	0.0008	-0.0001	0.0018	180.0	-0.0009
123	0.442	0.859	-03.13	-0.2408	0.0283	0.0455	0.2428	-0.0310	0.0578	0.0014	-03.13	-00.01	0.0028	0.0003	0.0021	180.0	-0.0029
124	0.437	0.840	07.39	0.8160	-0.1032	0.1468	-0.8282	-0.0387	0.6658	0.0019	07.39	00.00	-0.0011	-0.0011	0.0022	180.0	0.0010
125	0.437	0.840	06.90	0.7892	-0.0786	0.1353	-0.7999	-0.0376	0.6228	0.0018	06.90	00.00	-0.0008	-0.0010	0.0024	180.0	0.0007
126	0.437	0.841	06.40	0.7796	-0.0721	0.1239	-0.7897	-0.0344	0.6077	0.0018	06.40	00.00	-0.0004	-0.0012	0.0005	180.0	0.0003
127	0.437	0.840	05.89	0.7693	-0.0659	0.1179	-0.7774	-0.0363	0.5918	0.0019	05.89	00.00	-0.0022	-0.0014	-0.0010	179.9	0.0021
128	0.437	0.840	05.38	0.7305	-0.0591	0.1036	-0.7371	-0.0328	0.5336	0.0018	05.38	00.00	-0.0013	-0.0010	0.0000	179.9	0.0012
129	0.434	0.841	04.35	0.6567	-0.0424	0.0857	-0.6615	-0.0336	0.4312	0.0020	04.35	00.00	-0.0007	-0.0011	0.0005	180.0	0.0006
130	0.434	0.839	03.31	0.5736	-0.0270	0.0700	-0.5768	-0.0349	0.3288	0.0018	03.31	00.00	-0.0003	-0.0005	0.0013	180.0	0.0002
131	0.434	0.841	01.20	0.3456	-0.0047	0.0469	-0.3466	-0.0380	0.1193	0.0017	01.20	-00.01	0.0015	0.0003	0.0017	180.0	-0.0016

TABLE 2
CLEAN AIRCRAFT
ETA = 0° ETA(T) = -1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
132	0.437	0.840	-00.96	0.0583	0.0146	0.0378	-0.0577	-0.0373	0.0033	0.0015	-00.96	-00.01	0.0010	0.0002	0.0016	180.0	-0.0011
133	0.437	0.840	-03.12	-0.2322	0.0264	0.0439	0.2341	-0.0300	0.0537	0.0013	-03.12	-00.01	0.0025	0.0003	0.0019	180.0	-0.0026
136	0.455	0.802	07.42	0.8105	-0.0717	0.1412	-0.8220	-0.0333	0.6568	0.0020	07.42	00.00	0.0000	-0.0007	0.0026	180.0	-0.0001
137	0.455	0.800	06.91	0.8049	-0.0787	0.1306	-0.8149	-0.0310	0.6477	0.0018	06.91	00.00	0.0000	-0.0007	0.0021	180.0	-0.0001
138	0.455	0.801	06.41	0.7867	-0.0620	0.1200	-0.7953	-0.0295	0.6187	0.0018	06.41	00.00	-0.0005	-0.0007	0.0023	180.0	0.0003
139	0.455	0.800	05.93	0.7557	-0.0243	0.1064	-0.7628	-0.0250	0.5711	0.0019	05.93	00.00	0.0002	-0.0008	0.0020	180.0	-0.0003
140	0.455	0.803	05.42	0.7538	-0.0390	0.1003	-0.7600	-0.0266	0.5681	0.0020	05.42	00.00	-0.0019	-0.0013	0.0001	180.0	0.0018
141	0.455	0.801	04.39	0.6866	-0.0171	0.0801	-0.6908	-0.0253	0.4713	0.0020	04.39	00.00	0.0002	-0.0004	0.0016	180.0	-0.0003
142	0.455	0.800	03.35	0.5819	0.0008	0.0613	-0.5846	-0.0255	0.3385	0.0017	03.35	00.00	0.0004	-0.0003	0.0023	180.0	-0.0005
143	0.455	0.799	01.20	0.3163	0.0109	0.0424	-0.3172	-0.0344	0.1000	0.0014	01.20	00.00	0.0016	0.0000	0.0018	180.0	-0.0017
144	0.455	0.799	-00.96	0.0521	0.0197	0.0381	-0.0516	-0.0377	0.0027	0.0013	-00.96	-00.01	0.0009	0.0001	0.0018	180.0	-0.0010
145	0.455	0.799	-03.11	-0.2125	0.0297	0.0411	0.2143	-0.0283	0.0450	0.0013	-03.11	-00.01	0.0021	0.0003	0.0022	180.0	-0.0022
146	0.434	0.750	07.39	0.8146	-0.0629	0.1350	-0.8253	-0.0272	0.6635	0.0018	07.39	00.00	0.0016	-0.0004	0.0044	180.0	-0.0017
147	0.437	0.751	06.89	0.8026	-0.0591	0.1229	-0.8117	-0.0239	0.6441	0.0017	06.89	00.00	0.0025	-0.0006	0.0044	180.0	-0.0026
148	0.434	0.750	06.39	0.7853	-0.0436	0.1120	-0.7930	-0.0222	0.6166	0.0017	06.39	00.00	0.0029	-0.0002	0.0043	180.0	-0.0030
149	0.437	0.751	05.89	0.7653	-0.0311	0.1021	-0.7718	-0.0212	0.5856	0.0017	05.89	00.00	0.0024	-0.0002	0.0041	180.0	-0.0025
150	0.437	0.751	05.40	0.7440	-0.0121	0.0884	-0.7491	-0.0163	0.5535	0.0017	05.40	00.00	-0.0006	-0.0007	0.0025	180.0	0.0005
151	0.434	0.749	04.37	0.6647	0.0095	0.0608	-0.6681	-0.0162	0.4416	0.0017	04.37	00.00	0.0001	-0.0004	0.0022	180.0	-0.0002
152	0.434	0.749	03.30	0.5400	0.0117	0.0544	-0.5424	-0.0216	0.2915	0.0016	03.30	00.00	0.0008	-0.0002	0.0024	180.0	-0.0009
153	0.434	0.750	01.17	0.2917	0.0130	0.0411	-0.2926	-0.0330	0.0850	0.0014	01.17	00.00	0.0006	-0.0001	0.0017	180.0	-0.0007
154	0.437	0.751	-00.96	0.0474	0.0219	0.0363	-0.0469	-0.0357	0.0021	0.0014	-00.96	00.00	0.0015	0.0001	0.0018	180.0	-0.0016
155	0.437	0.751	-03.09	-0.1995	0.0345	0.0397	0.2012	-0.0277	0.0397	0.0012	-03.09	00.00	0.0020	0.0002	0.0021	180.0	-0.0029
156	0.414	0.699	07.36	0.8155	-0.0569	0.1314	-0.8257	-0.0241	0.6649	0.0017	07.36	00.00	0.0012	-0.0002	0.0038	180.0	-0.0013
157	0.414	0.701	06.86	0.7989	-0.0422	0.1179	-0.8074	-0.0198	0.6382	0.0018	06.86	00.00	0.0016	0.0000	0.0044	180.0	-0.0018
158	0.414	0.701	06.36	0.7788	-0.0273	0.1062	-0.7858	-0.0175	0.6064	0.0017	06.36	00.00	0.0022	-0.0001	0.0045	180.0	-0.0023
159	0.417	0.700	05.86	0.7531	-0.0127	0.0940	-0.7580	-0.0140	0.5671	0.0017	05.86	00.00	0.0015	-0.0001	0.0038	180.0	-0.0016
160	0.414	0.700	05.35	0.7168	-0.0014	0.0826	-0.7215	-0.0137	0.5137	0.0016	05.35	00.00	0.0012	-0.0001	0.0031	180.0	-0.0013
161	0.414	0.701	04.31	0.6188	0.0095	0.0645	-0.6220	-0.0161	0.3829	0.0017	04.31	00.00	0.0002	0.0000	0.0029	180.0	-0.0003
162	0.416	0.703	03.26	0.5069	0.0103	0.0520	-0.5091	-0.0214	0.2568	0.0017	03.26	00.00	0.0013	0.0002	0.0027	180.0	-0.0014
163	0.414	0.700	01.14	0.2753	0.0137	0.0403	-0.2762	-0.0334	0.0757	0.0014	01.14	-00.01	0.0010	0.0003	0.0017	180.0	-0.0011
164	0.414	0.701	-00.97	0.0431	0.0233	0.0393	-0.0426	-0.0347	0.0019	0.0010	-00.97	00.00	0.0019	0.0000	0.0017	180.0	-0.0020
165	0.414	0.700	-03.07	-0.1891	0.0368	0.0401	0.1909	-0.0287	0.0356	0.0013	-03.07	00.00	0.0021	0.0001	0.0020	180.0	-0.0022
168	0.431	0.499	07.28	0.7837	-0.0317	0.1159	-0.7921	-0.0138	0.6140	0.0019	07.28	00.00	0.0000	0.0001	0.0026	180.0	-0.0001
169	0.431	0.501	06.78	0.7528	-0.0181	0.1021	-0.7597	-0.0107	0.5666	0.0018	06.78	00.00	-0.0002	0.0002	0.0024	180.0	0.0001
170	0.431	0.502	06.27	0.7160	-0.0088	0.0893	-0.7215	-0.0088	0.5125	0.0017	06.27	00.00	-0.0001	0.0002	0.0024	180.0	0.0000
171	0.434	0.500	05.75	0.6724	-0.0032	0.0782	-0.6770	-0.0086	0.4520	0.0018	05.75	-00.01	-0.0001	0.0002	0.0024	180.0	0.0000
172	0.431	0.501	05.24	0.6237	0.0006	0.0694	-0.6275	-0.0103	0.3889	0.0019	05.24	-00.01	0.0000	0.0003	0.0026	180.0	-0.0001
173	0.431	0.501	04.20	0.5357	0.0043	0.0564	-0.5385	-0.0154	0.2868	0.0017	04.20	-00.01	0.0008	0.0003	0.0030	180.0	-0.0009

TABLE 2
CLEAN AIRCRAFT
ETA = 0° ETA(T) = -1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	RINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
174	0.431	0.500	03.17	0.4428	0.0070	0.0471	-0.4448	-0.0209	0.1959	0.0017	03.17	-00.01	0.0008	0.0003	0.0026	180.0	-0.0009
175	0.431	0.500	01.10	0.2429	0.0146	0.0371	-0.2437	-0.0309	0.0589	0.0016	01.10	00.00	0.0015	0.0001	0.0019	180.0	-0.0016
176	0.431	0.499	-00.98	0.0363	0.0256	0.0340	-0.0358	-0.0332	0.0012	0.0014	-00.98	00.00	0.0020	0.0001	0.0021	180.0	-0.0021
177	0.431	0.501	-03.05	-0.1664	0.0392	0.0372	0.1601	-0.0271	0.0275	0.0013	-03.05	00.00	0.0027	0.0001	0.0022	180.0	-0.0029

TABLE 2
CLEAN AIRCRAFT
ETA = 0° ETA(T) = -1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	RINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
180	0.434	0.899	00.08	0.2106	-0.0445	0.0470	-0.2108	-0.0485	0.0442	0.0017	00.08	03.99	-0.0511	-0.0067	0.0035	-090.0	0.0476
181	0.435	0.901	00.08	0.2053	-0.0395	0.0506	-0.2054	-0.0492	0.0420	0.0020	00.08	02.00	-0.0252	-0.0035	0.0024	-090.0	0.0233
182	0.434	0.899	00.09	0.2057	-0.0380	0.0519	-0.2059	-0.0498	0.0422	0.0020	00.09	01.00	-0.0125	-0.0020	0.0018	-090.0	0.0115
183	0.434	0.900	00.09	0.2079	-0.0381	0.0508	-0.2081	-0.0486	0.0431	0.0019	00.09	00.00	-0.0006	-0.0008	0.0011	-090.0	0.0005
184	0.429	0.881	00.10	0.2289	-0.0325	0.0450	-0.2291	-0.0462	0.0523	0.0018	00.10	03.99	-0.0505	-0.0068	0.0040	-090.0	0.0471
185	0.429	0.880	00.11	0.2287	-0.0230	0.0470	-0.2289	-0.0456	0.0522	0.0018	00.11	02.00	-0.0244	-0.0034	0.0027	-090.0	0.0227
186	0.429	0.881	00.11	0.2288	-0.0235	0.0484	-0.2290	-0.0463	0.0522	0.0019	00.11	01.00	-0.0122	-0.0020	0.0019	-090.0	0.0113
187	0.427	0.879	00.11	0.2304	-0.0217	0.0479	-0.2306	-0.0457	0.0530	0.0018	00.11	00.00	-0.0003	-0.0007	0.0013	-090.0	0.0002
190	0.439	0.860	00.12	0.2294	-0.0108	0.0399	-0.2296	-0.0412	0.0525	0.0017	00.12	03.99	-0.0501	-0.0066	0.0047	-090.0	0.0471
191	0.439	0.861	00.13	0.2301	-0.0073	0.0437	-0.2304	-0.0420	0.0528	0.0020	00.13	01.99	-0.0241	-0.0033	0.0029	-090.0	0.0225
192	0.439	0.859	00.13	0.2297	-0.0039	0.0436	-0.2299	-0.0416	0.0526	0.0018	00.13	01.00	-0.0120	-0.0019	0.0022	-090.0	0.0111
193	0.439	0.861	00.13	0.2317	-0.0058	0.0444	-0.2319	-0.0421	0.0536	0.0018	00.13	00.00	-0.0004	-0.0006	0.0014	-090.0	0.0003
194	0.431	0.842	00.12	0.2166	0.0018	0.0374	-0.2168	-0.0387	0.0468	0.0015	00.12	03.99	-0.0492	-0.0065	0.0048	-090.0	0.0464
195	0.431	0.841	00.13	0.2169	0.0062	0.0401	-0.2171	-0.0387	0.0469	0.0017	00.13	01.99	-0.0242	-0.0034	0.0030	-090.0	0.0227
196	0.434	0.840	00.13	0.2190	0.0066	0.0404	-0.2192	-0.0384	0.0479	0.0017	00.13	01.00	-0.0122	-0.0020	0.0022	-090.0	0.0114
197	0.431	0.841	00.13	0.2202	0.0061	0.0410	-0.2204	-0.0388	0.0484	0.0017	00.13	00.00	-0.0005	-0.0007	0.0013	-090.0	0.0004
200	0.458	0.801	00.12	0.1978	0.0085	0.0352	-0.1980	-0.0368	0.0390	0.0013	00.12	03.99	-0.0492	-0.0063	0.0046	-090.0	0.0465
201	0.455	0.801	00.13	0.1972	0.0128	0.0374	-0.1974	-0.0363	0.0388	0.0015	00.13	01.99	-0.0239	-0.0033	0.0029	-090.0	0.0225
202	0.458	0.803	00.13	0.2004	0.0132	0.0381	-0.2006	-0.0363	0.0400	0.0016	00.13	01.00	-0.0123	-0.0020	0.0022	-090.0	0.0116
203	0.458	0.801	00.13	0.2014	0.0137	0.0386	-0.2016	-0.0365	0.0404	0.0017	00.13	00.00	-0.0005	-0.0007	0.0014	-090.0	0.0004
204	0.439	0.751	00.11	0.1841	0.0108	0.0340	-0.1843	-0.0356	0.0338	0.0014	00.11	03.99	-0.0483	-0.0060	0.0045	-090.0	0.0457
205	0.440	0.751	00.11	0.1841	0.0148	0.0363	-0.1843	-0.0353	0.0338	0.0015	00.11	01.99	-0.0240	-0.0033	0.0028	-090.0	0.0227
206	0.437	0.749	00.11	0.1841	0.0157	0.0379	-0.1843	-0.0362	0.0338	0.0015	00.11	01.00	-0.0121	-0.0020	0.0021	-090.0	0.0114
207	0.437	0.748	00.11	0.1849	0.0162	0.0387	-0.1851	-0.0369	0.0341	0.0015	00.11	00.00	-0.0006	-0.0007	0.0014	-090.0	0.0005
208	0.416	0.701	00.09	0.1739	0.0121	0.0332	-0.1740	-0.0348	0.0301	0.0014	00.09	03.99	-0.0479	-0.0059	0.0043	-090.0	0.0453
209	0.416	0.702	00.10	0.1747	0.0158	0.0365	-0.1749	-0.0355	0.0305	0.0016	00.10	01.99	-0.0240	-0.0032	0.0028	-090.0	0.0226
210	0.416	0.701	00.10	0.1744	0.0165	0.0366	-0.1746	-0.0350	0.0304	0.0016	00.10	01.00	-0.0123	-0.0020	0.0020	-090.0	0.0116
211	0.417	0.700	00.10	0.1743	0.0169	0.0366	-0.1745	-0.0348	0.0303	0.0016	00.10	00.00	-0.0003	-0.0008	0.0013	-090.0	0.0002
215	0.434	0.500	00.06	0.1534	0.0140	0.0323	-0.1535	-0.0335	0.0234	0.0018	00.06	03.99	-0.0465	-0.0064	0.0041	-090.0	0.0440
216	0.434	0.499	00.06	0.1526	0.0173	0.0341	-0.1527	-0.0331	0.0232	0.0017	00.06	01.99	-0.0232	-0.0031	0.0027	-090.0	0.0219
217	0.437	0.502	00.07	0.1536	0.0178	0.0348	-0.1537	-0.0331	0.0235	0.0017	00.07	01.00	-0.0117	-0.0018	0.0022	-090.0	0.0110
218	0.434	0.502	00.07	0.1537	0.0184	0.0352	-0.1538	-0.0334	0.0235	0.0017	00.07	00.00	-0.0004	-0.0009	0.0015	-090.0	0.0003

TABLE 3

Tabulated Results

Flare Pack On

TABLE 3(A)
FLARE PACK ON
ETA =0° ETA(T) = -1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
002	0.442	0.900	07.43	0.8694	-0.1174	0.1724	-0.8045	-0.0555	0.7557	0.0030	07.43	00.00	-0.0015	-0.0008	-0.0010	179.9	0.0014
003	0.442	0.899	06.91	0.8351	-0.1132	0.1569	-0.8480	-0.0522	0.6973	0.0031	06.91	00.00	-0.0011	-0.0011	-0.0006	179.9	0.0010
004	0.440	0.901	06.39	0.7954	-0.1095	0.1443	-0.8067	-0.0517	0.6326	0.0032	06.39	00.00	-0.0010	-0.0012	-0.0009	179.9	0.0008
005	0.440	0.901	05.87	0.7567	-0.1038	0.1329	-0.7664	-0.0517	0.5725	0.0032	05.87	00.00	-0.0015	-0.0013	-0.0007	179.9	0.0014
006	0.442	0.899	05.35	0.7142	-0.0932	0.1202	-0.7224	-0.0499	0.5101	0.0031	05.35	00.00	-0.0007	-0.0010	-0.0008	179.9	0.0006
007	0.442	0.899	04.31	0.6358	-0.0825	0.1019	-0.6418	-0.0508	0.4042	0.0029	04.31	00.00	-0.0010	-0.0008	0.0003	180.0	0.0009
008	0.440	0.901	03.26	0.5422	-0.0719	0.0841	-0.5462	-0.0502	0.2938	0.0029	03.26	00.00	0.0003	-0.0004	0.0010	180.0	-0.0004
009	0.440	0.901	01.14	0.3169	-0.0493	0.0608	-0.3182	-0.0516	0.1003	0.0028	01.14	-00.01	0.0006	0.0004	0.0016	180.0	-0.0007
010	0.442	0.899	-00.99	0.0469	-0.0111	0.0499	-0.0462	-0.0480	0.0021	0.0028	-00.99	-00.01	0.0018	0.0003	0.0018	180.0	-0.0019
011	0.440	0.901	-03.13	-0.2616	0.0383	0.0608	0.2644	-0.0430	0.0682	0.0026	-03.13	-00.01	0.0029	0.0004	0.0021	180.0	-0.0030
012	0.434	0.879	07.41	0.8344	-0.1016	0.1590	-0.8481	-0.0477	0.6961	0.0031	07.41	00.00	0.0016	-0.0009	0.0024	180.0	0.0015
013	0.434	0.880	06.91	0.8221	-0.1017	0.1509	-0.8344	-0.0478	0.6758	0.0031	06.91	00.00	-0.0016	-0.0010	-0.0013	179.9	0.0015
014	0.437	0.882	06.39	0.7890	-0.0963	0.1386	-0.7996	-0.0467	0.6224	0.0032	06.39	00.00	-0.0012	-0.0011	-0.0012	179.9	0.0011
015	0.434	0.881	05.87	0.7507	-0.0873	0.1261	-0.7598	-0.0454	0.5675	0.0032	05.87	00.00	-0.0015	-0.0012	-0.0007	179.9	0.0014
016	0.435	0.879	05.36	0.7096	-0.0779	0.1146	-0.7173	-0.0446	0.5035	0.0032	05.36	00.00	-0.0013	-0.0010	-0.0004	179.9	0.0011
017	0.434	0.881	04.32	0.6334	-0.0641	0.0950	-0.6388	-0.0440	0.4010	0.0031	04.32	00.00	-0.0009	-0.0007	-0.0001	179.9	0.0004
018	0.435	0.879	03.28	0.5474	-0.0527	0.0788	-0.5511	-0.0444	0.2994	0.0029	03.28	00.00	0.0008	-0.0003	0.0009	180.0	-0.0009
019	0.434	0.880	01.17	0.3387	-0.0329	0.0563	-0.3398	-0.0464	0.1148	0.0028	01.17	-00.01	0.0013	0.0003	0.0014	180.0	-0.0014
020	0.435	0.878	-00.97	0.0673	-0.0015	0.0441	-0.0667	-0.0426	0.0045	0.0026	-00.97	-00.01	0.0011	0.0002	0.0018	180.0	-0.0012
021	0.434	0.881	-03.13	-0.2544	0.0358	0.0536	0.2568	-0.0372	0.0645	0.0026	-03.13	-00.01	0.0032	0.0006	0.0019	180.0	-0.0033
024	0.444	0.860	07.40	0.8146	-0.1024	0.1529	-0.8276	-0.0438	0.6635	0.0028	07.40	00.00	-0.0003	-0.0012	0.0036	180.0	0.0002
025	0.444	0.861	06.90	0.8119	-0.0972	0.1432	-0.8231	-0.0415	0.6592	0.0030	06.90	00.00	-0.0017	-0.0012	0.0020	180.0	0.0016
026	0.440	0.860	06.40	0.7910	-0.0819	0.1334	-0.8011	-0.0413	0.6256	0.0029	06.40	00.00	-0.0013	-0.0010	-0.0010	179.9	0.0012
027	0.444	0.860	05.89	0.7577	-0.0761	0.1211	-0.7662	-0.0398	0.5740	0.0029	05.89	00.00	-0.0004	-0.0010	-0.0007	179.9	0.0003
028	0.444	0.860	05.37	0.7180	-0.0666	0.1101	-0.7283	-0.0395	0.5155	0.0029	05.37	00.00	-0.0007	-0.0010	0.0000	179.9	0.0006
029	0.444	0.860	04.34	0.6431	-0.0508	0.0898	-0.6481	-0.0380	0.4134	0.0028	04.34	00.00	-0.0013	-0.0006	0.0003	180.0	0.0012
030	0.444	0.861	03.30	0.5595	-0.0401	0.0761	-0.5631	-0.0410	0.3129	0.0028	03.30	00.00	0.0006	-0.0003	0.0011	180.0	-0.0007
031	0.442	0.859	01.19	0.3507	-0.0163	0.0517	-0.3518	-0.0418	0.1229	0.0026	01.19	-00.01	0.0014	0.0004	0.0018	180.0	-0.0015
032	0.444	0.860	-00.96	0.0671	0.0095	0.0413	-0.0665	-0.0400	0.0044	0.0025	-00.96	-00.01	0.0017	0.0003	0.0018	180.0	-0.0018
033	0.442	0.859	-03.12	-0.2417	0.0312	0.0475	0.2439	-0.0321	0.0583	0.0023	-03.12	-00.01	0.0032	0.0004	0.0021	180.0	-0.0033
034	0.434	0.839	07.40	0.8163	-0.0974	0.1490	-0.8209	-0.0400	0.6662	0.0027	07.40	00.00	-0.0007	-0.0010	0.0022	180.0	0.0006
035	0.434	0.838	06.90	0.7886	-0.0711	0.1387	-0.7996	-0.0403	0.6218	0.0025	06.90	00.00	-0.0005	-0.0009	0.0021	180.0	0.0004
036	0.437	0.840	06.41	0.7678	-0.0508	0.1266	-0.7772	-0.0374	0.5894	0.0026	06.41	00.00	-0.0008	-0.0008	0.0004	180.0	0.0007
037	0.437	0.839	05.89	0.7669	-0.0668	0.1183	-0.7751	-0.0363	0.5880	0.0026	05.89	00.00	-0.0021	-0.0008	-0.0005	179.9	0.0020
038	0.437	0.841	05.38	0.7308	-0.0572	0.1063	-0.7376	-0.0347	0.5340	0.0026	05.38	00.00	-0.0013	-0.0009	0.0000	179.9	0.0012
039	0.437	0.840	04.35	0.6565	-0.0390	0.0869	-0.6613	-0.0342	0.4309	0.0026	04.35	00.00	-0.0005	-0.0006	0.0006	180.0	0.0004
040	0.437	0.841	03.32	0.5723	-0.0250	0.0722	-0.5756	-0.0364	0.3274	0.0026	03.32	00.00	0.0010	-0.0002	0.0013	180.0	-0.0011
041	0.437	0.842	01.20	0.3461	-0.0043	0.0500	-0.3472	-0.0402	0.1197	0.0025	01.20	-00.01	0.0009	0.0003	0.0017	180.0	-0.0010

TABLE 3(A)
FLARE PACK ON
ETA =0° ETA(T) = -1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
002	0.444	0.901	00.08	0.2077	-0.0416	0.0475	-0.2078	-0.0490	0.0430	0.0018	00.08	04.00	-0.0524	-0.0074	0.0036	-090.0	0.0489
003	0.447	0.900	00.08	0.2031	-0.0389	0.0524	-0.2033	-0.0510	0.0411	0.0020	00.08	02.00	-0.0262	-0.0039	0.0024	-090.0	0.0242
004	0.444	0.899	00.09	0.2071	-0.0365	0.0521	-0.2072	-0.0500	0.0428	0.0020	00.09	01.00	-0.0129	-0.0022	0.0018	-090.0	0.0119
005	0.442	0.898	00.09	0.2119	-0.0352	0.0517	-0.2121	-0.0495	0.0449	0.0018	00.09	00.00	-0.0004	-0.0007	0.0012	-090.0	0.0003
006	0.437	0.880	00.11	0.2299	-0.0258	0.0443	-0.2301	-0.0457	0.0527	0.0017	00.11	04.00	-0.0517	-0.0073	0.0042	-090.0	0.0484
007	0.437	0.881	00.11	0.2281	-0.0251	0.0490	-0.2283	-0.0474	0.0519	0.0020	00.11	02.00	-0.0257	-0.0037	0.0026	-090.0	0.0238
008	0.437	0.881	00.11	0.2287	-0.0236	0.0483	-0.2289	-0.0461	0.0522	0.0020	00.11	01.00	-0.0129	-0.0021	0.0019	-090.0	0.0120
009	0.440	0.880	00.12	0.2303	-0.0216	0.0493	-0.2305	-0.0470	0.0529	0.0019	00.12	00.00	-0.0005	-0.0007	0.0012	-090.0	0.0004
012	0.444	0.860	00.13	0.2273	-0.0074	0.0395	-0.2275	-0.0408	0.0516	0.0016	00.13	04.00	-0.0512	-0.0072	0.0047	-090.0	0.0483
013	0.444	0.861	00.13	0.2297	-0.0048	0.0441	-0.2299	-0.0426	0.0526	0.0018	00.13	02.00	-0.0247	-0.0036	0.0029	-090.0	0.0231
014	0.444	0.861	00.13	0.2312	-0.0046	0.0455	-0.2314	-0.0434	0.0533	0.0018	00.13	01.00	-0.0126	-0.0021	0.0022	-090.0	0.0117
015	0.444	0.861	00.13	0.2319	-0.0049	0.0447	-0.2322	-0.0424	0.0537	0.0017	00.13	00.00	-0.0004	-0.0006	0.0014	-090.0	0.0003
016	0.437	0.841	00.13	0.2172	0.0027	0.0384	-0.2174	-0.0397	0.0471	0.0017	00.13	03.99	-0.0513	-0.0070	0.0048	-090.0	0.0484
017	0.437	0.841	00.13	0.2180	0.0072	0.0406	-0.2182	-0.0393	0.0474	0.0017	00.13	02.00	-0.0249	-0.0035	0.0029	-090.0	0.0234
018	0.437	0.839	00.13	0.2188	0.0080	0.0421	-0.2190	-0.0402	0.0478	0.0017	00.13	01.00	-0.0130	-0.0021	0.0020	-090.0	0.0122
019	0.437	0.842	00.13	0.2198	0.0074	0.0417	-0.2200	-0.0395	0.0483	0.0018	00.13	00.00	-0.0008	-0.0007	0.0012	-090.0	0.0007
022	0.453	0.800	00.12	0.1974	0.0101	0.0350	-0.1976	-0.0365	0.0388	0.0016	00.12	03.99	-0.0501	-0.0068	0.0047	-090.0	0.0474
023	0.450	0.800	00.13	0.1976	0.0141	0.0378	-0.1978	-0.0366	0.0389	0.0015	00.13	02.00	-0.0244	-0.0035	0.0030	-090.0	0.0230
024	0.453	0.800	00.13	0.1979	0.0148	0.0389	-0.1981	-0.0371	0.0390	0.0016	00.13	01.00	-0.0125	-0.0022	0.0022	-090.0	0.0117
025	0.450	0.800	00.13	0.1988	0.0147	0.0396	-0.1990	-0.0377	0.0395	0.0016	00.13	00.00	-0.0004	-0.0007	0.0014	-090.0	0.0003
026	0.431	0.750	00.11	0.1840	0.0126	0.0354	-0.1842	-0.0370	0.0338	0.0015	00.11	03.99	-0.0497	-0.0065	0.0044	-090.0	0.0470
027	0.431	0.751	00.11	0.1849	0.0162	0.0370	-0.1851	-0.0359	0.0341	0.0016	00.11	02.00	-0.0244	-0.0035	0.0028	-090.0	0.0230
028	0.431	0.750	00.11	0.1862	0.0169	0.0392	-0.1864	-0.0373	0.0346	0.0018	00.11	01.00	-0.0124	-0.0021	0.0021	-090.0	0.0116
029	0.431	0.752	00.11	0.1860	0.0170	0.0390	-0.1861	-0.0368	0.0345	0.0018	00.11	00.00	-0.0006	-0.0007	0.0013	-090.0	0.0005
030	0.411	0.699	00.09	0.1727	0.0136	0.0338	-0.1729	-0.0355	0.0297	0.0013	00.09	03.99	-0.0486	-0.0062	0.0043	-090.0	0.0460
031	0.411	0.698	00.09	0.1737	0.0170	0.0364	-0.1739	-0.0355	0.0301	0.0015	00.09	01.99	-0.0244	-0.0034	0.0028	-090.0	0.0230
032	0.411	0.699	00.09	0.1748	0.0173	0.0371	-0.1750	-0.0354	0.0305	0.0016	00.09	01.00	-0.0125	-0.0020	0.0020	-090.0	0.0118
033	0.411	0.700	00.10	0.1764	0.0178	0.0388	-0.1765	-0.0369	0.0310	0.0017	00.10	00.00	-0.0007	-0.0007	0.0013	-090.0	0.0006
036	0.434	0.501	00.06	0.1526	0.0157	0.0318	-0.1527	-0.0334	0.0232	0.0016	00.06	03.99	-0.0471	-0.0058	0.0042	-090.0	0.0447
037	0.431	0.501	00.07	0.1529	0.0181	0.0347	-0.1531	-0.0337	0.0232	0.0017	00.07	01.99	-0.0236	-0.0032	0.0029	-090.0	0.0223
038	0.431	0.500	00.07	0.1529	0.0188	0.0349	-0.1531	-0.0333	0.0232	0.0017	00.07	01.00	-0.0118	-0.0020	0.0020	-090.0	0.0111
039	0.431	0.501	00.07	0.1535	0.0190	0.0357	-0.1536	-0.0339	0.0234	0.0017	00.07	00.00	-0.0004	-0.0007	0.0016	-090.0	0.0003

TABLE 3(A)
FLARE PACK ON
ETA =0° ETA(T) = -1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	RING.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
042	0.437	0.840	-00.95	0.0610	0.0161	0.0403	-0.0604	-0.0391	0.0036	0.0023	-00.95	-00.01	0.0014	0.0002	0.0015	180.0	-0.0015
043	0.437	0.840	-03.12	-0.2276	0.0284	0.0458	0.2296	-0.0313	0.0517	0.0021	-03.12	-00.01	0.0026	0.0004	0.0019	180.0	-0.0027
046	0.450	0.799	07.41	0.8230	-0.0822	0.1442	-0.8348	-0.0342	0.6772	0.0025	07.41	00.00	-0.0007	-0.0011	0.0009	180.0	0.0006
047	0.453	0.801	06.90	0.8009	-0.0755	0.1318	-0.8111	-0.0320	0.6413	0.0025	06.90	00.00	-0.0004	-0.0007	0.0017	180.0	0.0003
048	0.450	0.799	06.40	0.7833	-0.0631	0.1206	-0.7920	-0.0299	0.6135	0.0025	06.40	00.00	0.0004	-0.0004	0.0021	180.0	-0.0005
049	0.450	0.800	05.92	0.7690	-0.0386	0.1103	-0.7764	-0.0279	0.5914	0.0025	05.92	00.00	0.0009	-0.0005	0.0021	180.0	-0.0010
050	0.450	0.799	05.41	0.7558	-0.0354	0.1002	-0.7620	-0.0261	0.5712	0.0024	05.41	00.00	-0.0007	-0.0006	0.0006	180.0	0.0006
051	0.450	0.801	04.39	0.6842	-0.0133	0.0812	-0.6885	-0.0261	0.4680	0.0025	04.39	00.00	-0.0003	-0.0004	0.0016	180.0	0.0002
052	0.450	0.801	03.35	0.5842	0.0011	0.0630	-0.5870	-0.0264	0.3412	0.0023	03.35	00.00	0.0006	0.0000	0.0022	180.0	-0.0007
053	0.450	0.800	01.20	0.3183	0.0123	0.0441	-0.3193	-0.0353	0.1012	0.0022	01.20	-00.01	0.0012	0.0002	0.0018	180.0	-0.0013
054	0.453	0.800	-00.95	0.0535	0.0213	0.0387	-0.0530	-0.0377	0.0027	0.0019	-00.95	00.00	0.0018	0.0001	0.0016	180.0	-0.0019
055	0.450	0.799	-03.10	-0.2110	0.0316	0.0414	0.2129	-0.0283	0.0443	0.0017	-03.10	-00.01	0.0031	0.0004	0.0021	180.0	-0.0032
056	0.431	0.751	07.40	0.8162	-0.0468	0.1367	-0.8271	-0.0281	0.6660	0.0022	07.40	00.00	-0.0002	-0.0006	0.0030	180.0	0.0001
057	0.431	0.749	06.89	0.8090	-0.0530	0.1259	-0.8183	-0.0258	0.6543	0.0021	06.89	00.00	-0.0001	-0.0005	0.0028	180.0	0.0000
058	0.431	0.751	06.39	0.7874	-0.0412	0.1141	-0.7953	-0.0236	0.6199	0.0021	06.39	00.00	0.0015	-0.0002	0.0033	180.0	-0.0016
059	0.431	0.750	05.89	0.7662	-0.0274	0.1014	-0.7727	-0.0200	0.5870	0.0022	05.89	00.00	0.0011	-0.0001	0.0037	180.0	-0.0012
060	0.431	0.749	05.39	0.7399	-0.0093	0.0901	-0.7452	-0.0181	0.5474	0.0021	05.39	00.00	0.0010	-0.0003	0.0026	180.0	-0.0011
061	0.431	0.749	04.37	0.6650	0.0112	0.0710	-0.6686	-0.0181	0.4421	0.0020	04.37	00.00	0.0012	-0.0002	0.0021	180.0	-0.0013
062	0.431	0.749	03.30	0.5397	0.0135	0.0565	-0.5421	-0.0234	0.2911	0.0020	03.30	00.00	0.0010	0.0002	0.0021	180.0	-0.0011
063	0.431	0.752	01.17	0.2934	0.0143	0.0425	-0.2943	-0.0346	0.0860	0.0020	01.17	00.00	0.0012	0.0001	0.0015	180.0	-0.0013
064	0.431	0.750	-00.96	0.0492	0.0235	0.0366	-0.0487	-0.0357	0.0023	0.0018	-00.96	-00.01	0.0015	0.0003	0.0015	180.0	-0.0016
065	0.434	0.750	-03.08	-0.1969	0.0363	0.0406	0.1987	-0.0284	0.0386	0.0016	-03.08	-00.01	0.0026	0.0003	0.0020	180.0	-0.0027
066	0.411	0.699	07.36	0.8156	-0.0836	0.1327	-0.8259	-0.0251	0.6648	0.0020	07.36	00.00	0.0008	-0.0003	0.0034	180.0	-0.0009
067	0.411	0.701	06.86	0.7985	-0.0386	0.1179	-0.8069	-0.0196	0.6375	0.0020	06.86	00.00	0.0019	0.0001	0.0037	180.0	-0.0020
068	0.411	0.701	06.36	0.7834	-0.0232	0.1068	-0.7905	-0.0172	0.6135	0.0020	06.36	00.00	0.0011	0.0003	0.0038	180.0	-0.0012
069	0.411	0.700	05.86	0.7515	-0.0095	0.0936	-0.7573	-0.0143	0.5647	0.0020	05.86	00.00	0.0008	0.0002	0.0035	180.0	-0.0009
070	0.411	0.700	05.35	0.7153	0.0006	0.0833	-0.7201	-0.0142	0.5116	0.0020	05.35	00.00	0.0004	0.0000	0.0028	180.0	-0.0005
071	0.411	0.701	04.31	0.6173	0.0111	0.0651	-0.6205	-0.0165	0.3810	0.0020	04.31	00.00	0.0007	0.0003	0.0027	180.0	-0.0008
072	0.411	0.701	03.25	0.5053	0.0118	0.0526	-0.5076	-0.0219	0.2552	0.0020	03.25	-00.01	0.0013	0.0005	0.0026	180.0	-0.0014
073	0.411	0.700	01.14	0.2753	0.0149	0.0404	-0.2761	-0.0332	0.0787	0.0018	01.14	-00.01	0.0009	0.0004	0.0015	180.0	-0.0010
074	0.411	0.700	-00.96	0.0448	0.0247	0.0367	-0.0440	-0.0380	0.0018	0.0017	-00.96	-00.01	0.0016	0.0002	0.0016	180.0	-0.0017
075	0.411	0.700	-03.07	-0.1886	0.0377	0.0403	0.1874	-0.0288	0.0343	0.0016	-03.07	-00.01	0.0027	0.0004	0.0019	180.0	-0.0028
078	0.434	0.501	07.28	0.7787	-0.0314	0.1172	-0.7874	-0.0154	0.6063	0.0022	07.28	00.00	0.0003	0.0003	0.0030	180.0	-0.0004
079	0.431	0.500	06.77	0.7501	-0.0185	0.1033	-0.7571	-0.0119	0.5625	0.0022	06.77	-00.01	0.0003	0.0005	0.0025	180.0	-0.0004
080	0.434	0.501	06.27	0.7164	-0.0083	0.0910	-0.7222	-0.0101	0.5132	0.0021	06.27	-00.01	-0.0003	0.0004	0.0021	180.0	0.0002
081	0.431	0.499	05.75	0.6728	-0.0015	0.0794	-0.6771	-0.0095	0.4521	0.0021	05.75	-00.01	-0.0004	0.0004	0.0022	180.0	0.0003
082	0.431	0.499	05.23	0.6244	0.0024	0.0703	-0.6284	-0.0107	0.3899	0.0023	05.23	-00.01	0.0004	0.0005	0.0024	180.0	-0.0005
083	0.434	0.500	04.20	0.5328	0.0055	0.0563	-0.5356	-0.0150	0.2838	0.0022	04.20	-00.01	0.0012	0.0005	0.0029	180.0	-0.0013

TABLE 3(A)
FLARE PACK ON
ETA =0° ETA(T) = -1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
084	0.434	0.501	03.17	0.4397	0.0080	0.0477	-0.4417	-0.0213	0.1931	0.0021	03.17	-00.01	0.0014	0.0005	0.0024	180.0	-0.0015
085	0.431	0.499	01.10	0.2420	0.0155	0.0378	-0.2420	-0.0312	0.0585	0.0020	01.10	-00.01	0.0017	0.0004	0.0020	180.0	-0.0018
086	0.431	0.499	-00.97	0.0391	0.0262	0.0348	-0.0386	-0.0330	0.0014	0.0017	-00.97	-00.01	0.0017	0.0002	0.0019	180.0	-0.0018
087	0.431	0.499	-03.04	-0.1636	0.0396	0.0378	0.1652	-0.0276	0.0266	0.0016	-03.04	-00.01	0.0025	0.0002	0.0022	180.0	-0.0025

TABLE 3(B)
FLARE PACK ON
ETA = 0° ETA(T) = -2 1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
002	0.452	0.899	07.45	0.8454	-0.0768	0.1690	-0.8602	-0.0558	0.7145	0.0021	07.45	-00.01	-0.0056	-0.0008	-0.0004	179.9	0.0055
003	0.455	0.900	06.94	0.8111	-0.0724	0.1565	-0.8242	-0.0553	0.6578	0.0021	06.94	-00.01	-0.0054	-0.0009	-0.0007	179.9	0.0053
004	0.452	0.899	06.42	0.7690	-0.0647	0.1424	-0.7803	-0.0534	0.5914	0.0022	06.42	00.00	-0.0040	-0.0011	-0.0015	179.9	0.0039
005	0.453	0.902	05.90	0.7337	-0.0605	0.1313	-0.7434	-0.0528	0.5382	0.0023	05.90	00.00	-0.0045	-0.0010	-0.0010	179.9	0.0044
006	0.455	0.900	05.38	0.6939	-0.0500	0.1212	-0.7023	-0.0534	0.4814	0.0021	05.38	00.00	-0.0046	-0.0010	-0.0008	179.9	0.0045
007	0.455	0.899	04.34	0.6120	-0.0362	0.1017	-0.6180	-0.0531	0.3744	0.0020	04.34	00.00	-0.0041	-0.0007	0.0006	180.0	0.0040
008	0.455	0.900	03.30	0.5183	-0.0262	0.0852	-0.5225	-0.0532	0.2685	0.0021	03.30	-00.01	-0.0026	-0.0003	0.0010	180.0	0.0025
009	0.455	0.901	01.17	0.2930	-0.0058	0.0627	-0.2943	-0.0548	0.0857	0.0020	01.17	-00.01	-0.0014	0.0000	0.0015	180.0	0.0013
010	0.455	0.898	-00.96	0.0331	0.0255	0.0505	-0.0323	-0.0496	0.0010	0.0015	-00.96	-00.01	0.0011	0.0006	0.0016	180.0	-0.0012
011	0.455	0.900	-03.10	-0.2710	0.0728	0.0629	0.2739	-0.0467	0.0733	0.0015	-03.10	-00.01	0.0027	0.0005	0.0018	180.0	-0.0028
014	0.453	0.878	07.48	0.8131	-0.0281	0.1584	-0.8269	-0.0492	0.6610	0.0020	07.48	00.00	-0.0054	-0.0009	0.0019	180.0	0.0053
015	0.453	0.879	06.94	0.8037	-0.0579	0.1489	-0.8159	-0.0488	0.6459	0.0019	06.94	00.00	-0.0040	-0.0008	0.0000	179.9	0.0039
016	0.453	0.880	06.43	0.7662	-0.0526	0.1358	-0.7767	-0.0470	0.5870	0.0021	06.43	00.00	-0.0045	-0.0008	-0.0009	179.9	0.0044
017	0.457	0.880	05.91	0.7257	-0.0431	0.1240	-0.7347	-0.0465	0.5266	0.0021	05.91	00.00	-0.0035	-0.0011	-0.0010	179.9	0.0034
018	0.457	0.880	05.39	0.6874	-0.0347	0.1137	-0.6952	-0.0466	0.4724	0.0021	05.39	00.00	-0.0042	-0.0010	-0.0003	179.9	0.0041
019	0.453	0.879	04.36	0.6111	-0.0187	0.0952	-0.6167	-0.0464	0.3733	0.0020	04.36	00.00	-0.0039	-0.0009	0.0001	180.0	0.0038
020	0.455	0.880	03.32	0.5228	-0.0081	0.0792	-0.5266	-0.0470	0.2731	0.0019	03.32	00.00	-0.0027	-0.0004	0.0011	180.0	0.0026
021	0.457	0.880	01.20	0.3169	0.0087	0.0570	-0.3182	-0.0486	0.1004	0.0018	01.20	-00.01	-0.0008	0.0001	0.0013	180.0	0.0007
022	0.453	0.879	-00.94	0.0542	0.0324	0.0472	-0.0535	-0.0465	0.0028	0.0017	-00.94	-00.01	0.0006	0.0002	0.0016	180.0	-0.0007
023	0.455	0.883	-03.10	-0.2639	0.0699	0.0563	0.2665	-0.0405	0.0695	0.0015	-03.10	-00.01	0.0029	0.0005	0.0014	180.0	-0.0030
026	0.452	0.860	07.45	0.7967	-0.0411	0.1517	-0.8098	-0.0453	0.6347	0.0017	07.45	00.00	-0.0039	-0.0011	0.0045	180.0	0.0038
027	0.452	0.861	06.95	0.7892	-0.0339	0.1407	-0.8005	-0.0422	0.6228	0.0020	06.95	-00.01	-0.0055	-0.0005	0.0015	180.0	0.0054
028	0.452	0.860	06.43	0.7708	-0.0435	0.1331	-0.7809	-0.0439	0.5940	0.0020	06.43	00.00	-0.0045	-0.0009	-0.0006	179.9	0.0044
029	0.455	0.861	05.92	0.7343	-0.0340	0.1196	-0.7428	-0.0413	0.5391	0.0020	05.92	00.00	-0.0039	-0.0008	-0.0005	179.9	0.0038
030	0.452	0.860	05.40	0.6936	-0.0237	0.1096	-0.7010	-0.0418	0.4810	0.0020	05.40	-00.01	-0.0045	-0.0007	-0.0002	179.9	0.0044
031	0.452	0.860	04.37	0.6196	-0.0074	0.0913	-0.6248	-0.0418	0.3838	0.0020	04.37	00.00	-0.0035	-0.0008	0.0003	180.0	0.0034
032	0.452	0.860	03.33	0.5350	0.0064	0.0746	-0.5385	-0.0416	0.2860	0.0018	03.33	00.00	-0.0024	-0.0005	0.0011	180.0	0.0023
033	0.455	0.861	01.22	0.3299	0.0234	0.0536	-0.3310	-0.0448	0.1087	0.0018	01.22	-00.01	-0.0006	0.0005	0.0015	180.0	0.0005
034	0.455	0.861	-00.93	0.0529	0.0443	0.0438	-0.0523	-0.0431	0.0027	0.0016	-00.93	-00.01	0.0008	0.0005	0.0015	180.0	-0.0009
035	0.452	0.860	-03.10	-0.2505	0.0645	0.0501	0.2528	-0.0354	0.0626	0.0012	-03.10	-00.01	0.0020	0.0004	0.0016	180.0	-0.0021
038	0.450	0.840	07.42	0.7971	-0.0610	0.1491	-0.8098	-0.0430	0.6352	0.0019	07.42	00.00	-0.0041	-0.0014	0.0045	180.0	0.0040
039	0.450	0.841	06.93	0.7868	-0.0524	0.1383	-0.7979	-0.0406	0.6190	0.0018	06.93	00.00	-0.0036	-0.0007	0.0032	180.0	0.0035
040	0.450	0.842	06.44	0.7583	-0.0161	0.1276	-0.7680	-0.0398	0.5750	0.0019	06.44	00.00	-0.0048	-0.0009	0.0005	180.0	0.0047
041	0.449	0.839	05.93	0.7477	-0.0250	0.1174	-0.7560	-0.0376	0.5590	0.0019	05.93	00.00	-0.0042	-0.0008	-0.0004	179.9	0.0041
042	0.450	0.840	05.41	0.7091	-0.0151	0.1056	-0.7161	-0.0363	0.5027	0.0019	05.41	00.00	-0.0033	-0.0008	0.0001	180.0	0.0032
043	0.450	0.839	04.38	0.6345	0.0048	0.0870	-0.6394	-0.0364	0.4025	0.0019	04.38	00.00	-0.0036	-0.0007	0.0007	180.0	0.0035

TABLE 3(B)
FLARE PACK ON
ETA = 0° ETA(T) = -2 1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
044	0.450	0.840	03.35	0.5491	0.0188	0.0719	-0.5524	-0.0380	0.3012	0.0017	03.35	00.00	-0.0017	-0.0002	0.0013	180.0	0.0016
045	0.453	0.842	01.23	0.3278	0.0376	0.0496	-0.3289	-0.0409	0.1073	0.0018	01.23	-00.01	0.0001	0.0004	0.0016	180.0	-0.0002
046	0.450	0.839	-00.93	0.0467	0.0536	0.0412	-0.0462	-0.0406	0.0021	0.0014	-00.93	-00.01	0.0004	0.0003	0.0015	180.0	-0.0005
047	0.450	0.840	-03.09	-0.2372	0.0625	0.0476	0.2393	-0.0335	0.0561	0.0013	-03.09	-00.01	0.0018	0.0003	0.0017	180.0	-0.0019
052	0.450	0.801	07.43	0.8045	-0.0459	0.1427	-0.8163	-0.0356	0.6471	0.0020	07.43	00.00	-0.0032	-0.0011	0.0014	180.0	0.0031
053	0.450	0.801	06.92	0.7829	-0.0393	0.1312	-0.7931	-0.0342	0.6128	0.0017	06.92	00.00	-0.0020	-0.0005	0.0032	180.0	0.0019
054	0.450	0.801	06.44	0.7500	0.0038	0.1190	-0.7588	-0.0324	0.5625	0.0017	06.44	00.00	-0.0029	-0.0003	0.0034	180.0	0.0028
055	0.450	0.802	05.95	0.7229	0.0327	0.1072	-0.7302	-0.0299	0.5225	0.0018	05.95	00.00	-0.0017	-0.0001	0.0026	180.0	0.0016
056	0.450	0.802	05.43	0.7327	0.0059	0.1012	-0.7391	-0.0294	0.5368	0.0019	05.43	-00.01	-0.0038	-0.0005	0.0007	180.0	0.0037
057	0.450	0.800	04.41	0.6605	0.0301	0.0808	-0.6649	-0.0279	0.4361	0.0018	04.41	00.00	-0.0028	-0.0005	0.0011	180.0	0.0027
058	0.450	0.800	03.37	0.5596	0.0457	0.0645	-0.5625	-0.0297	0.3130	0.0018	03.37	-00.01	-0.0011	0.0000	0.0020	180.0	0.0010
059	0.450	0.801	01.22	0.2975	0.0549	0.0454	-0.2985	-0.0375	0.0884	0.0016	01.22	-00.01	-0.0009	0.0003	0.0015	180.0	0.0008
060	0.450	0.798	-00.93	0.0382	0.0605	0.0405	-0.0376	-0.0358	0.0013	0.0013	-00.93	-00.01	0.0001	0.0003	0.0014	180.0	-0.0002
061	0.450	0.800	-03.07	-0.2206	0.0666	0.0448	0.2226	-0.0318	0.0485	0.0014	-03.07	-00.01	0.0023	0.0004	0.0016	180.0	-0.0024
064	0.445	0.750	07.41	0.8033	-0.0329	0.1350	-0.8141	-0.0284	0.6452	0.0018	07.41	00.00	-0.0028	-0.0003	0.0023	180.0	0.0027
065	0.445	0.750	06.92	0.7859	-0.0155	0.1252	-0.7954	-0.0280	0.6176	0.0016	06.92	00.00	-0.0029	-0.0004	0.0023	180.0	0.0028
066	0.447	0.752	06.42	0.7673	-0.0010	0.1127	-0.7752	-0.0244	0.5887	0.0017	06.42	00.00	-0.0010	-0.0003	0.0038	180.0	0.0009
067	0.445	0.750	05.92	0.7465	0.0122	0.1017	-0.7531	-0.0222	0.5571	0.0019	05.92	00.00	-0.0002	0.0002	0.0044	180.0	0.0001
068	0.449	0.751	05.43	0.7153	0.0449	0.0883	-0.7206	-0.0184	0.5116	0.0017	05.43	-00.01	-0.0014	0.0001	0.0032	180.0	0.0013
069	0.447	0.746	04.39	0.6394	0.0544	0.0704	-0.6430	-0.0197	0.4086	0.0015	04.39	-00.01	-0.0033	-0.0001	0.0020	180.0	0.0032
070	0.445	0.749	03.33	0.5176	0.0566	0.0568	-0.5201	-0.0248	0.2677	0.0018	03.33	-00.01	-0.0020	0.0002	0.0022	180.0	0.0019
071	0.449	0.750	01.20	0.2741	0.0564	0.0434	-0.2751	-0.0362	0.0750	0.0015	01.20	-00.01	-0.0009	0.0003	0.0016	180.0	0.0008
072	0.449	0.752	-00.93	0.0317	0.0635	0.0389	-0.0312	-0.0380	0.0009	0.0014	-00.93	-00.01	0.0001	0.0002	0.0015	180.0	-0.0002
073	0.449	0.749	-03.06	-0.2074	0.0726	0.0437	0.2094	-0.0315	0.0429	0.0012	-03.06	-00.01	0.0011	0.0004	0.0016	180.0	-0.0012
076	0.440	0.700	07.40	0.7942	-0.0113	0.1310	-0.8046	-0.0259	0.6307	0.0017	07.40	-00.01	-0.0032	0.0003	0.0037	180.0	0.0031
077	0.440	0.701	06.90	0.7827	0.0000	0.1180	-0.7913	-0.0215	0.6125	0.0016	06.90	-00.01	-0.0013	0.0004	0.0041	180.0	0.0012
078	0.439	0.701	06.40	0.7639	0.0163	0.1062	-0.7711	-0.0186	0.5835	0.0017	06.40	-00.01	-0.0013	0.0004	0.0040	180.0	0.0012
079	0.437	0.699	05.90	0.7344	0.0314	0.0938	-0.7403	-0.0160	0.5394	0.0018	05.90	-00.01	-0.0017	0.0004	0.0038	180.0	0.0016
080	0.440	0.701	05.39	0.6975	0.0413	0.0835	-0.7024	-0.0158	0.4864	0.0018	05.39	-00.01	-0.0016	0.0003	0.0031	180.0	0.0015
081	0.440	0.700	04.35	0.5994	0.0525	0.0643	-0.6026	-0.0170	0.3592	0.0017	04.35	-00.01	-0.0013	0.0003	0.0028	180.0	0.0012
082	0.440	0.699	03.29	0.4880	0.0534	0.0539	-0.4904	-0.0240	0.2380	0.0018	03.29	-00.01	-0.0011	0.0006	0.0027	180.0	0.0010
083	0.440	0.700	01.17	0.2694	0.0561	0.0419	-0.2603	-0.0350	0.0672	0.0015	01.17	-00.01	-0.0011	0.0004	0.0017	180.0	0.0010
084	0.440	0.698	-00.94	0.0284	0.0652	0.0394	-0.0279	-0.0384	0.0007	0.0015	-00.94	-00.01	0.0001	0.0001	0.0016	180.0	-0.0002
085	0.439	0.702	-03.05	-0.1993	0.0753	0.0431	0.2012	-0.0312	0.0396	0.0013	-03.05	-00.01	0.0020	0.0004	0.0019	180.0	-0.0021
002	0.452	0.502	07.30	0.7584	0.0029	0.1194	-0.7646	-0.0206	0.5706	0.0019	07.30	-00.01	-0.0028	0.0007	0.0028	180.0	0.0027
003	0.452	0.501	06.80	0.7342	0.0183	0.1030	-0.7413	-0.0136	0.5390	0.0018	06.80	-00.01	-0.0027	0.0006	0.0024	180.0	0.0026

TABLE 3(B)
FLARE PACK ON
ETA = 0° ETA(T) = -2 1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	RINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
004	0.449	0.500	06.29	0.6993	0.0296	0.0904	-0.7051	-0.0114	0.4889	0.0018	06.29	-00.01	-0.0028	0.0005	0.0022	180.0	0.0027
005	0.450	0.500	05.77	0.6533	0.0369	0.0790	-0.6581	-0.0112	0.4268	0.0017	05.77	-00.01	-0.0028	0.0005	0.0021	180.0	0.0027
006	0.449	0.500	05.26	0.6085	0.0407	0.0702	-0.6125	-0.0122	0.3702	0.0019	05.26	-00.01	-0.0022	0.0005	0.0022	180.0	0.0021
007	0.450	0.500	04.22	0.5160	0.0443	0.0571	-0.5189	-0.0170	0.2661	0.0019	04.22	-00.01	-0.0011	0.0007	0.0028	180.0	0.0010
008	0.452	0.501	03.19	0.4221	0.0472	0.0484	-0.4243	-0.0230	0.1780	0.0018	03.19	-00.01	-0.0007	0.0006	0.0024	180.0	0.0006
009	0.452	0.501	01.12	0.2260	0.0547	0.0393	-0.2268	-0.0331	0.0510	0.0018	01.12	-00.01	-0.0005	0.0003	0.0018	180.0	0.0004
010	0.452	0.501	-00.96	0.0216	0.0646	0.0368	-0.0211	-0.0355	0.0004	0.0016	-00.96	-00.01	0.0008	0.0002	0.0017	180.0	-0.0009
011	0.452	0.500	-03.03	-0.1816	0.0785	0.0409	0.1834	-0.0301	0.0329	0.0013	-03.03	-00.01	0.0021	0.0002	0.0019	180.0	-0.0022

TABLE 3(C)
FLARE PACK ON
ETA = 0° ETA(T) = -1 1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
002	0.452	0.898	07.45	0.8446	-0.0797	0.1676	-0.8893	-0.0545	0.7132	0.0022	07.45	-00.02	0.0002	0.0020	-0.0005	179.9	-0.0003
003	0.452	0.899	06.92	0.8127	-0.0839	0.1551	-0.8256	-0.0539	0.6604	0.0021	06.92	-00.02	0.0006	0.0018	-0.0010	179.9	-0.0007
004	0.455	0.901	06.40	0.7758	-0.0856	0.1417	-0.7869	-0.0520	0.6019	0.0023	06.40	-00.01	0.0011	0.0015	-0.0022	179.9	-0.0011
005	0.453	0.902	05.88	0.7403	-0.0822	0.1309	-0.7499	-0.0519	0.5479	0.0024	05.88	-00.01	0.0001	0.0015	-0.0014	179.9	-0.0002
006	0.455	0.901	05.36	0.7011	-0.0748	0.1194	-0.7093	-0.0510	0.4914	0.0024	05.36	-00.01	0.0002	0.0016	-0.0013	179.9	-0.0003
007	0.455	0.901	04.32	0.6230	-0.0645	0.1007	-0.6289	-0.0511	0.3881	0.0024	04.32	-00.01	0.0016	0.0016	0.0001	180.0	-0.0017
008	0.455	0.901	03.27	0.5288	-0.0537	0.0836	-0.5328	-0.0511	0.2794	0.0021	03.27	-00.02	0.0033	0.0024	0.0005	180.0	-0.0034
009	0.455	0.901	01.15	0.3042	-0.0316	0.0620	-0.3055	-0.0538	0.0924	0.0021	01.15	-00.02	0.0038	0.0025	0.0008	180.0	-0.0039
010	0.455	0.900	-00.98	0.0400	0.0047	0.0503	-0.0393	-0.0493	0.0015	0.0017	-00.98	-00.02	0.0056	0.0028	0.0010	180.0	-0.0057
011	0.455	0.901	-03.12	-0.2626	0.0507	0.0614	0.2655	-0.0454	0.0689	0.0016	-03.12	-00.02	0.0075	0.0031	0.0012	180.0	-0.0076
014	0.453	0.880	07.47	0.8213	-0.0375	0.1580	-0.8350	-0.0479	0.6745	0.0020	07.47	-00.01	-0.0013	0.0014	0.0008	180.0	0.0012
015	0.453	0.881	06.92	0.8094	-0.0792	0.1498	-0.8216	-0.0489	0.6550	0.0022	06.92	-00.02	0.0003	0.0018	-0.0007	179.9	-0.0004
016	0.453	0.881	06.92	0.8094	-0.0792	0.1498	-0.8216	-0.0489	0.6550	0.0022	06.92	-00.02	0.0003	0.0018	-0.0007	179.9	-0.0004
017	0.455	0.881	06.41	0.7743	-0.0739	0.1369	-0.7849	-0.0475	0.5995	0.0021	06.41	-00.01	0.0008	0.0016	-0.0014	179.9	-0.0009
018	0.453	0.879	05.89	0.7352	-0.0664	0.1229	-0.7440	-0.0447	0.5403	0.0021	05.89	-00.01	0.0019	0.0016	-0.0012	179.9	-0.0019
019	0.453	0.879	05.37	0.6985	-0.0600	0.1126	-0.7061	-0.0445	0.4878	0.0022	05.37	-00.01	0.0008	0.0016	-0.0008	179.9	-0.0009
020	0.453	0.878	04.34	0.6217	-0.0432	0.0945	-0.6272	-0.0449	0.3864	0.0022	04.34	-00.01	0.0008	0.0017	-0.0004	179.9	-0.0008
021	0.453	0.880	03.30	0.5351	-0.0340	0.0784	-0.5388	-0.0453	0.2861	0.0021	03.30	-00.01	0.0023	0.0020	0.0006	180.0	-0.0024
022	0.455	0.881	01.18	0.3262	-0.0152	0.0571	-0.3274	-0.0484	0.1062	0.0020	01.18	-00.02	0.0041	0.0027	0.0008	180.0	-0.0042
023	0.453	0.879	-00.95	0.0610	0.0134	0.0439	-0.0604	-0.0434	0.0036	0.0016	-00.95	-00.02	0.0050	0.0028	0.0011	180.0	-0.0051
024	0.455	0.880	-03.12	-0.2552	0.0478	0.0535	0.2576	-0.0380	0.0649	0.0016	-03.12	-00.02	0.0072	0.0031	0.0010	180.0	-0.0073
027	0.455	0.860	07.42	0.7990	-0.0778	0.1521	-0.8121	-0.0455	0.6384	0.0022	07.42	-00.01	0.0022	0.0013	0.0045	180.0	-0.0023
028	0.452	0.859	06.95	0.7849	-0.0343	0.1390	-0.7961	-0.0409	0.6160	0.0020	06.95	-00.01	0.0009	0.0018	0.0013	180.0	-0.0009
029	0.455	0.860	06.41	0.7800	-0.0665	0.1321	-0.7900	-0.0422	0.6083	0.0020	06.41	-00.01	0.0009	0.0017	-0.0007	179.9	-0.0010
030	0.455	0.861	05.90	0.7449	-0.0587	0.1210	-0.7535	-0.0417	0.5548	0.0020	05.90	-00.01	0.0007	0.0016	-0.0008	179.9	-0.0008
031	0.455	0.860	05.39	0.7087	-0.0485	0.1092	-0.7129	-0.0403	0.4978	0.0022	05.39	-00.01	0.0021	0.0017	-0.0006	179.9	-0.0022
032	0.455	0.860	04.35	0.6312	-0.0325	0.0913	-0.6364	-0.0411	0.3983	0.0020	04.35	-00.01	0.0014	0.0019	-0.0002	179.9	-0.0015
033	0.455	0.859	03.31	0.5473	-0.0198	0.0748	-0.5509	-0.0410	0.2994	0.0020	03.31	-00.01	0.0019	0.0020	0.0006	180.0	-0.0020
034	0.455	0.859	01.21	0.3396	0.0009	0.0519	-0.3407	-0.0428	0.1152	0.0020	01.21	-00.02	0.0046	0.0029	0.0011	180.0	-0.0047
035	0.455	0.859	-00.94	0.0587	0.0264	0.0417	-0.0581	-0.0409	0.0033	0.0018	-00.94	-00.02	0.0048	0.0029	0.0010	180.0	-0.0049
036	0.455	0.859	-03.11	-0.2406	0.0430	0.0478	0.2427	-0.0333	0.0577	0.0014	-03.11	-00.02	0.0064	0.0030	0.0010	180.0	-0.0064
039	0.453	0.841	07.41	0.8046	-0.0807	0.1490	-0.8173	-0.0428	0.6472	0.0020	07.41	-00.01	0.0011	0.0015	0.0038	180.0	-0.0012
040	0.450	0.839	06.90	0.7822	-0.0731	0.1370	-0.7931	-0.0400	0.6117	0.0020	06.90	-00.01	0.0026	0.0016	0.0027	180.0	-0.0027
041	0.450	0.839	06.40	0.7726	-0.0637	0.1266	-0.7820	-0.0377	0.5968	0.0018	06.40	-00.01	0.0020	0.0018	0.0009	180.0	-0.0020
042	0.450	0.840	05.91	0.7556	-0.0494	0.1173	-0.7638	-0.0366	0.5710	0.0023	05.91	-00.01	0.0009	0.0016	-0.0007	179.9	-0.0010
043	0.450	0.838	05.40	0.7206	-0.0372	0.1055	-0.7276	-0.0353	0.5192	0.0018	05.40	-00.01	0.0011	0.0017	-0.0003	179.9	-0.0012

TABLE 3(C)
FLARE PACK ON
ETA = 0° ETA(T) = -1 1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
044	0.453	0.841	04.37	0.6436	-0.0212	0.0878	-0.6485	-0.0364	0.4141	0.0021	04.37	-(0.01	0.0021	0.0015	0.0002	180.0	-0.0022
045	0.453	0.840	03.33	0.5605	-0.0071	0.0710	-0.5638	-0.0363	0.3140	0.0020	03.33	-(0.02	0.0022	0.0023	0.0007	180.0	-0.0023
046	0.453	0.842	01.21	0.3349	0.0143	0.0492	-0.3360	-0.0402	0.1121	0.0019	01.21	-(0.02	0.0043	0.0028	0.0011	180.0	-0.0044
047	0.453	0.840	-00.94	0.0554	0.0329	0.0403	-0.0548	-0.0396	0.0030	0.0017	-00.94	-(0.02	0.0050	0.0029	0.0009	180.0	-0.0051
048	0.453	0.841	-03.11	-0.2311	0.0414	0.0463	0.2332	-0.0323	0.0533	0.0015	-03.11	-(0.02	0.0060	0.0030	0.0011	180.0	-0.0061
051	0.467	0.800	07.42	0.8161	-0.0661	0.1436	-0.8279	-0.0349	0.6659	0.0020	07.42	-(0.01	0.0013	0.0014	0.0010	180.0	-0.0014
052	0.467	0.799	06.91	0.7922	-0.0584	0.1310	-0.8023	-0.0328	0.6275	0.0018	06.91	-(0.01	0.0011	0.0018	0.0027	180.0	-0.0011
053	0.467	0.799	06.43	0.7560	-0.0217	0.1179	-0.7646	-0.0307	0.5715	0.0018	06.43	-(0.01	0.0023	0.0019	0.0029	180.0	-0.0024
054	0.470	0.800	05.93	0.7481	-0.0136	0.1081	-0.7554	-0.0285	0.5596	0.0017	05.93	-(0.01	0.0029	0.0020	0.0025	180.0	-0.0030
055	0.467	0.799	05.42	0.7448	-0.0176	0.0996	-0.7509	-0.0270	0.5546	0.0018	05.42	-(0.01	0.0009	0.0018	0.0004	180.0	-0.0010
056	0.467	0.799	04.40	0.6721	0.0060	0.0795	-0.6763	-0.0257	0.4516	0.0020	04.40	-(0.01	0.0018	0.0020	0.0009	180.0	-0.0019
057	0.470	0.799	03.35	0.5672	0.0209	0.0633	-0.5701	-0.0283	0.3216	0.0017	03.35	-(0.01	0.0043	0.0024	0.0017	180.0	-0.0044
058	0.470	0.801	01.21	0.3055	0.0301	0.0447	-0.3065	-0.0368	0.0932	0.0016	01.21	-(0.02	0.0043	0.0028	0.0013	180.0	-0.0044
059	0.467	0.801	-00.94	0.0463	0.0380	0.0390	-0.0458	-0.0383	0.0020	0.0015	-00.94	-(0.02	0.0048	0.0028	0.0011	180.0	-0.0049
060	0.467	0.801	-03.09	-0.2131	0.0455	0.0433	0.2150	-0.0306	0.0453	0.0012	-03.09	-(0.02	0.0062	0.0029	0.0014	180.0	-0.0063
063	0.457	0.746	07.40	0.8151	-0.0516	0.1356	-0.8259	-0.0277	0.6643	0.0017	07.40	-(0.01	0.0016	0.0019	0.0014	180.0	-0.0017
064	0.460	0.751	06.93	0.7840	-0.0104	0.1235	-0.7933	-0.0263	0.6146	0.0017	06.93	-(0.01	0.0016	0.0021	0.0018	180.0	-0.0017
065	0.460	0.750	06.41	0.7739	-0.0165	0.1126	-0.7818	-0.0238	0.5988	0.0017	06.41	-(0.01	0.0033	0.0022	0.0031	180.0	-0.0033
066	0.460	0.751	05.91	0.7556	-0.0132	0.1025	-0.7623	-0.0223	0.5709	0.0018	05.91	-(0.01	0.0044	0.0026	0.0043	180.0	-0.0045
067	0.460	0.750	05.41	0.7291	0.0052	0.0907	-0.7345	-0.0198	0.5315	0.0018	05.41	-(0.01	0.0042	0.0025	0.0030	180.0	-0.0042
068	0.460	0.751	04.39	0.6544	0.0282	0.0709	-0.6580	-0.0187	0.4281	0.0019	04.39	-(0.01	0.0023	0.0023	0.0016	180.0	-0.0024
069	0.460	0.749	03.32	0.5290	0.0306	0.0563	-0.5315	-0.0239	0.2798	0.0017	03.32	-(0.01	0.0036	0.0022	0.0017	180.0	-0.0037
070	0.460	0.749	01.18	0.2819	0.0313	0.0423	-0.2828	-0.0348	0.0794	0.0017	01.18	-(0.02	0.0040	0.0026	0.0012	180.0	-0.0041
071	0.460	0.750	-00.95	0.0419	0.0401	0.0378	-0.0414	-0.0372	0.0017	0.0013	-00.95	-(0.01	0.0056	0.0027	0.0010	180.0	-0.0057
072	0.460	0.750	-03.07	-0.1987	0.0516	0.0426	0.2007	-0.0307	0.0394	0.0013	-03.07	-(0.02	0.0061	0.0029	0.0013	180.0	-0.0062
075	0.445	0.699	07.40	0.7980	-0.0079	0.1314	-0.8084	-0.0258	0.6367	0.0017	07.40	-(0.01	0.0030	0.0025	0.0031	180.0	-0.0031
076	0.449	0.702	06.89	0.7927	-0.0199	0.1176	-0.8012	-0.0198	0.6282	0.0017	06.89	-(0.01	0.0022	0.0026	0.0032	180.0	-0.0023
077	0.445	0.699	06.39	0.7741	-0.0066	0.1057	-0.7811	-0.0170	0.5991	0.0019	06.39	-(0.01	0.0025	0.0025	0.0034	180.0	-0.0026
078	0.449	0.702	05.89	0.7450	0.0067	0.0944	-0.7509	-0.0155	0.5550	0.0019	05.89	-(0.01	0.0040	0.0025	0.0033	180.0	-0.0041
079	0.449	0.700	05.37	0.7073	0.0169	0.0834	-0.7122	-0.0150	0.5002	0.0017	05.37	-(0.01	0.0031	0.0025	0.0027	180.0	-0.0032
080	0.449	0.700	04.34	0.6139	0.0281	0.0657	-0.6172	-0.0173	0.3768	0.0018	04.34	-(0.01	0.0039	0.0026	0.0024	180.0	-0.0040
081	0.449	0.700	03.27	0.4970	0.0283	0.0527	-0.4993	-0.0225	0.2469	0.0017	03.27	-(0.01	0.0040	0.0027	0.0023	180.0	-0.0041
082	0.445	0.698	01.16	0.2702	0.0316	0.0409	-0.2711	-0.0339	0.0729	0.0016	01.16	-(0.01	0.0039	0.0022	0.0010	180.0	-0.0040
083	0.445	0.699	-00.95	0.0390	0.0410	0.0375	-0.0384	-0.0369	0.0014	0.0014	-00.95	-(0.01	0.0051	0.0026	0.0010	180.0	-0.0052
084	0.449	0.699	-03.06	-0.1904	0.0537	0.0423	0.1923	-0.0308	0.0361	0.0013	-03.06	-(0.01	0.0062	0.0026	0.0011	180.0	-0.0063
087	0.444	0.500	07.28	0.7693	-0.0190	0.1212	-0.7786	-0.0208	0.5918	0.0019	07.28	-(0.01	0.0023	0.0027	0.0022	180.0	-0.0024

TABLE 3(C)
FLARE PACK ON
ETA = 0° ETA(T) = -1 1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	RINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
088	0.444	0.501	06.78	0.7413	-0.0035	0.1031	-0.7484	-0.0128	0.5495	0.0020	06.78	-(0.01	0.0023	0.0027	0.0019	180.0	-0.0024
089	0.444	0.502	06.27	0.7079	0.0076	0.0910	-0.7137	-0.0111	0.5009	0.0021	06.27	-(0.01	0.0020	0.0026	0.0016	180.0	-0.0021
090	0.444	0.500	05.76	0.6631	0.0146	0.0792	-0.6678	-0.0104	0.4395	0.0019	05.76	-(0.01	0.0025	0.0026	0.0016	180.0	-0.0026
091	0.444	0.499	05.24	0.6146	0.0182	0.0701	-0.6188	-0.0116	0.3776	0.0021	05.24	-(0.01	0.0031	0.0026	0.0018	180.0	-0.0032
092	0.444	0.500	04.21	0.5258	0.0213	0.0573	-0.5207	-0.0166	0.2763	0.0020	04.21	-(0.01	0.0033	0.0026	0.0022	180.0	-0.0034
093	0.444	0.499	03.17	0.4305	0.0241	0.0484	-0.4327	-0.0226	0.1852	0.0020	03.17	-(0.01	0.0039	0.0026	0.0019	180.0	-0.0040
094	0.444	0.501	01.10	0.2351	0.0313	0.0383	-0.2359	-0.0321	0.0551	0.0017	01.10	-(0.01	0.0044	0.0024	0.0013	180.0	-0.0045
095	0.444	0.499	-00.97	0.0311	0.0418	0.0361	-0.0306	-0.0351	0.0009	0.0016	-00.97	-(0.01	0.0055	0.0026	0.0013	180.0	-0.0056
096	0.444	0.500	-03.04	-0.1706	0.0551	0.0391	0.1723	-0.0287	0.0289	0.0014	-03.04	-(0.01	0.0069	0.0030	0.0014	180.0	-0.0070

TABLE 3(D)
FLARE PACK ON
ETA = 0° ETA(T) = +1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
002	0.447	0.901	07.43	0.8535	-0.0994	0.1685	-0.8683	-0.0544	0.7284	0.0023	07.43	-(0.01	-0.0035	-0.0003	-0.0001	179.9	0.0034
003	0.447	0.901	06.90	0.8204	-0.1051	0.1553	-0.8333	-0.0532	0.6730	0.0024	06.90	-(0.01	-0.0030	-0.0005	-0.0002	179.9	0.0029
004	0.447	0.900	06.38	0.7823	-0.1080	0.1419	-0.7933	-0.0517	0.6119	0.0024	06.38	(0.00	-0.0045	-0.0011	-0.0013	179.9	0.0044
005	0.447	0.901	05.85	0.7511	-0.1111	0.1313	-0.7607	-0.0513	0.5641	0.0027	05.85	(0.00	-0.0056	-0.0013	-0.0009	179.9	0.0055
006	0.449	0.901	05.33	0.7160	-0.1094	0.1207	-0.7243	-0.0512	0.5126	0.0024	05.33	(0.00	-0.0046	-0.0011	-0.0006	179.9	0.0045
007	0.447	0.900	04.29	0.6354	-0.0980	0.1005	-0.6412	-0.0503	0.4036	0.0024	04.29	(0.00	-0.0036	-0.0009	0.0004	180.0	0.0035
008	0.449	0.901	03.24	0.5424	-0.0901	0.0841	-0.5464	-0.0510	0.2940	0.0023	03.24	(0.00	-0.0030	-0.0008	0.0010	180.0	0.0029
009	0.447	0.900	01.13	0.3207	-0.0603	0.0601	-0.3219	-0.0515	0.1027	0.0023	01.13	(0.00	-0.0017	-0.0004	0.0014	180.0	0.0016
010	0.447	0.900	-01.01	0.0537	-0.0348	0.0499	-0.0530	-0.0488	0.0028	0.0024	-01.01	-(0.01	0.0002	0.0000	0.0017	180.0	-0.0003
011	0.447	0.899	-03.15	-0.2488	0.0127	0.0587	0.2516	-0.0431	0.0618	0.0019	-03.15	-(0.01	0.0025	0.0004	0.0019	180.0	-0.0026
014	0.453	0.879	07.47	0.8120	-0.0363	0.1562	-0.8255	-0.0472	0.6592	0.0021	07.47	(0.00	-0.0069	-0.0019	0.0023	180.0	0.0067
015	0.453	0.881	06.91	0.8140	-0.0966	0.1494	-0.8262	-0.0482	0.6626	0.0022	06.91	(0.00	-0.0056	-0.0012	-0.0002	179.9	0.0055
016	0.453	0.881	06.39	0.7819	-0.0970	0.1372	-0.7925	-0.0469	0.6113	0.0025	06.39	(0.00	-0.0041	-0.0007	-0.0007	179.9	0.0040
017	0.453	0.880	05.87	0.7478	-0.0981	0.1244	-0.7567	-0.0449	0.5591	0.0024	05.87	(0.00	-0.0035	-0.0011	-0.0009	179.9	0.0034
018	0.453	0.883	05.35	0.7100	-0.0948	0.1143	-0.7177	-0.0452	0.5040	0.0025	05.35	(0.00	-0.0051	-0.0012	-0.0003	179.9	0.0050
019	0.450	0.880	04.31	0.6369	-0.0810	0.0951	-0.6424	-0.0445	0.4056	0.0024	04.31	(0.00	-0.0034	-0.0009	0.0002	180.0	0.0033
020	0.453	0.881	03.27	0.5480	-0.0703	0.0798	-0.5517	-0.0463	0.3001	0.0022	03.27	(0.00	-0.0030	-0.0005	0.0013	180.0	0.0029
021	0.450	0.880	01.16	0.3419	-0.0518	0.0584	-0.3431	-0.0463	0.1168	0.0022	01.16	-(0.01	-0.0018	0.0000	0.0014	180.0	0.0017
022	0.453	0.881	-00.98	0.0738	-0.0248	0.0432	-0.0732	-0.0426	0.0053	0.0019	-00.98	-(0.01	-0.0007	0.0001	0.0017	180.0	0.0006
023	0.450	0.879	-03.15	-0.2442	0.0109	0.0517	0.2465	-0.0363	0.0595	0.0019	-03.15	-(0.01	0.0022	0.0002	0.0016	180.0	-0.0023
026	0.452	0.860	07.40	0.8110	-0.1012	0.1539	-0.8242	-0.0460	0.6576	0.0022	07.40	(0.00	-0.0039	-0.0012	0.0053	180.0	0.0038
027	0.452	0.859	06.94	0.7874	-0.0403	0.1393	-0.7986	-0.0409	0.6200	0.0022	06.94	(0.00	-0.0064	-0.0015	0.0021	180.0	0.0063
028	0.452	0.861	06.39	0.7908	-0.0952	0.1329	-0.8008	-0.0419	0.6253	0.0021	06.39	(0.00	-0.0052	-0.0011	-0.0003	179.9	0.0051
029	0.452	0.861	05.88	0.7576	-0.0900	0.1208	-0.7661	-0.0404	0.5739	0.0022	05.88	(0.00	-0.0037	-0.0011	-0.0003	179.9	0.0036
030	0.452	0.860	05.36	0.7197	-0.0820	0.1089	-0.7268	-0.0390	0.5178	0.0022	05.36	(0.00	-0.0039	-0.0009	-0.0003	179.9	0.0038
031	0.455	0.861	04.84	0.6822	-0.0756	0.0997	-0.6883	-0.0394	0.4653	0.0023	04.84	(0.00	-0.0041	-0.0010	0.0002	180.0	0.0040
032	0.452	0.860	04.33	0.6444	-0.0666	0.0908	-0.6495	-0.0398	0.4151	0.0021	04.33	(0.00	-0.0038	-0.0007	0.0004	180.0	0.0037
033	0.452	0.860	03.29	0.5607	-0.0540	0.0741	-0.5641	-0.0396	0.3142	0.0022	03.29	(0.00	-0.0026	-0.0006	0.0011	180.0	0.0025
034	0.452	0.859	01.18	0.3527	-0.0349	0.0527	-0.3538	-0.0432	0.1243	0.0022	01.18	-(0.01	-0.0016	0.0001	0.0016	180.0	0.0015
035	0.452	0.858	-00.97	0.0712	-0.0108	0.0406	-0.0706	-0.0399	0.0050	0.0019	-00.97	-(0.01	0.0007	0.0002	0.0015	180.0	-0.0008
036	0.452	0.859	-03.14	-0.2314	0.0071	0.0478	0.2336	-0.0333	0.0534	0.0018	-03.14	-(0.01	0.0015	0.0002	0.0017	180.0	-0.0016
039	0.450	0.842	07.39	0.8109	-0.1032	0.1484	-0.8234	-0.0408	0.6574	0.0020	07.39	(0.00	-0.0039	-0.0011	0.0041	180.0	0.0038
040	0.450	0.839	06.89	0.7911	-0.0866	0.1378	-0.8021	-0.0396	0.6258	0.0024	06.89	(0.00	-0.0029	-0.0008	0.0034	180.0	0.0028
041	0.450	0.841	06.42	0.7819	-0.0566	0.1252	-0.7911	-0.0349	0.6113	0.0021	06.42	(0.00	-0.0051	-0.0012	0.0016	180.0	0.0050
042	0.450	0.840	05.88	0.7678	-0.0812	0.1179	-0.7760	-0.0364	0.5894	0.0022	05.88	(0.00	-0.0039	-0.0010	-0.0001	179.9	0.0038
043	0.450	0.841	05.37	0.7319	-0.0718	0.1053	-0.7386	-0.0341	0.5356	0.0021	05.37	(0.00	-0.0043	-0.0010	0.0002	180.0	0.0042

TABLE 3(D)
FLARE PACK ON
ETA = 0° ETA(T) = +1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	RINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
044	0.450	0.841	04.34	0.6582	-0.0551	0.0860	-0.6629	-0.0345	0.4331	0.0022	04.34	00.00	-0.0037	-0.0007	0.0007	180.0	0.0036
045	0.449	0.839	03.30	0.5756	-0.0403	0.0711	-0.5780	-0.0357	0.3311	0.0021	03.30	-00.01	-0.0021	-0.0002	0.0012	180.0	0.0020
046	0.450	0.839	01.19	0.3465	-0.0187	0.0480	-0.3475	-0.0387	0.1200	0.0021	01.19	-00.01	-0.0011	0.0000	0.0015	180.0	0.0011
047	0.450	0.840	-00.97	0.0679	-0.0043	0.0388	-0.0673	-0.0381	0.0045	0.0019	-00.97	-00.01	-0.0001	0.0001	0.0015	180.0	0.0000
048	0.450	0.839	-03.13	-0.2174	0.0054	0.0447	0.2194	-0.0311	0.0471	0.0018	-03.13	00.00	0.0015	0.0001	0.0017	180.0	-0.0016
051	0.447	0.801	07.39	0.8255	-0.0921	0.1436	-0.8372	-0.0341	0.6813	0.0020	07.39	00.00	-0.0046	-0.0012	0.0011	180.0	0.0045
052	0.447	0.799	06.88	0.8023	-0.0859	0.1312	-0.8124	-0.0322	0.6436	0.0019	06.88	00.00	-0.0038	-0.0008	0.0032	180.0	0.0037
053	0.450	0.800	06.40	0.7734	-0.0554	0.1201	-0.7821	-0.0311	0.5981	0.0021	06.40	00.00	-0.0021	-0.0002	0.0040	180.0	0.0020
054	0.447	0.801	05.89	0.7626	-0.0568	0.1078	-0.7697	-0.0270	0.5815	0.0020	05.89	00.00	-0.0027	-0.0006	0.0027	180.0	0.0026
055	0.450	0.800	05.39	0.7555	-0.0495	0.1003	-0.7617	-0.0268	0.5707	0.0021	05.39	00.00	-0.0040	-0.0006	0.0010	180.0	0.0039
056	0.447	0.799	04.37	0.6851	-0.0273	0.0797	-0.6893	-0.0250	0.4693	0.0022	04.37	-00.01	-0.0045	-0.0004	0.0013	180.0	0.0044
057	0.447	0.799	03.32	0.5804	-0.0131	0.0624	-0.5831	-0.0267	0.3368	0.0019	03.32	-00.01	-0.0025	-0.0002	0.0022	180.0	0.0024
058	0.450	0.801	01.18	0.3201	-0.0054	0.0445	-0.3211	-0.0359	0.1024	0.0020	01.18	-00.01	-0.0003	0.0003	0.0016	180.0	0.0002
059	0.450	0.800	-00.97	0.0596	0.0019	0.0385	-0.0590	-0.0378	0.0034	0.0018	-00.97	-00.01	0.0001	0.0000	0.0014	180.0	-0.0002
060	0.447	0.799	-03.11	-0.1986	0.0096	0.0408	0.2005	-0.0285	0.0393	0.0015	-03.11	00.00	0.0010	-0.0002	0.0017	180.0	-0.0011
063	0.468	0.751	07.39	0.8286	-0.0815	0.1371	-0.8395	-0.0272	0.6865	0.0021	07.39	00.00	-0.0047	-0.0005	0.0022	180.0	0.0046
064	0.468	0.749	06.91	0.7979	-0.0443	0.1231	-0.8070	-0.0242	0.6366	0.0020	06.91	00.00	-0.0048	-0.0007	0.0022	180.0	0.0047
065	0.468	0.748	06.40	0.7935	-0.0537	0.1119	-0.8012	-0.0209	0.6296	0.0018	06.40	00.00	-0.0028	-0.0003	0.0040	180.0	0.0027
066	0.468	0.750	05.89	0.7693	-0.0431	0.1021	-0.7758	-0.0205	0.5918	0.0021	05.89	00.00	-0.0019	-0.0002	0.0049	180.0	0.0018
067	0.468	0.748	05.41	0.7266	0.0058	0.0879	-0.7317	-0.0169	0.5279	0.0020	05.41	00.00	-0.0014	0.0000	0.0035	180.0	0.0013
068	0.468	0.750	04.89	0.7190	-0.0111	0.0799	-0.7233	-0.0161	0.5169	0.0022	04.89	00.00	-0.0034	-0.0004	0.0017	180.0	0.0033
069	0.468	0.751	04.37	0.6639	-0.0051	0.0705	-0.6674	-0.0177	0.4405	0.0020	04.37	-00.01	-0.0029	-0.0003	0.0021	180.0	0.0020
070	0.465	0.749	03.30	0.5419	-0.0032	0.0558	-0.5443	-0.0225	0.2935	0.0020	03.30	00.00	-0.0018	-0.0002	0.0024	180.0	0.0017
071	0.468	0.751	01.16	0.2973	-0.0031	0.0416	-0.2982	-0.0337	0.0883	0.0019	01.16	-00.01	-0.0008	0.0002	0.0019	180.0	0.0007
072	0.470	0.752	-00.97	0.0547	0.0047	0.0368	-0.0542	-0.0361	0.0029	0.0017	-00.97	-00.01	0.0003	0.0001	0.0018	180.0	-0.0004
073	0.468	0.749	-03.10	-0.1846	0.0152	0.0418	0.1865	-0.0302	0.0339	0.0017	-03.10	-00.01	0.0012	0.0003	0.0021	180.0	-0.0013
076	0.449	0.699	07.39	0.8020	-0.0275	0.1313	-0.8123	-0.0250	0.6432	0.0020	07.39	-00.01	-0.0028	0.0001	0.0038	180.0	0.0027
077	0.449	0.700	06.88	0.8009	-0.0379	0.1184	-0.8094	-0.0196	0.6413	0.0021	06.88	-00.01	-0.0020	0.0002	0.0040	180.0	0.0019
078	0.449	0.699	06.37	0.7847	-0.0357	0.1053	-0.7916	-0.0156	0.6156	0.0019	06.37	-00.01	-0.0019	0.0002	0.0040	180.0	0.0018
079	0.445	0.698	05.87	0.7576	-0.0246	0.0943	-0.7634	-0.0144	0.5738	0.0019	05.87	-00.01	-0.0016	0.0001	0.0038	180.0	0.0015
080	0.449	0.700	05.36	0.7196	-0.0153	0.0832	-0.7244	-0.0137	0.5178	0.0020	05.36	-00.01	-0.0019	0.0000	0.0031	180.0	0.0019
081	0.449	0.700	04.31	0.6216	-0.0050	0.0661	-0.6249	-0.0170	0.3863	0.0022	04.31	-00.01	-0.0020	0.0002	0.0029	180.0	0.0019
082	0.449	0.700	03.25	0.5091	-0.0045	0.0527	-0.5114	-0.0217	0.2590	0.0020	03.25	-00.01	-0.0017	0.0003	0.0027	180.0	0.0016
083	0.449	0.700	01.14	0.2826	-0.0015	0.0415	-0.2835	-0.0341	0.0798	0.0019	01.14	-00.01	-0.0012	0.0001	0.0016	180.0	0.0011
084	0.449	0.699	-00.97	0.0518	0.0070	0.0364	-0.0513	-0.0356	0.0026	0.0017	-00.97	-00.01	0.0002	0.0001	0.0016	180.0	-0.0003
085	0.449	0.699	-03.08	-0.1764	0.0185	0.0398	0.1782	-0.0287	0.0309	0.0017	-03.08	-00.01	0.0007	0.0000	0.0018	180.0	-0.0008

TABLE 3(D).
FLARE PACK ON
ETA = 0° ETA(T) = +1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
088	0.444	0.499	07.27	0.7794	-0.0472	0.1183	-0.7882	-0.0168	0.6074	0.0020	07.27	-00.01	-0.0032	0.0005	0.0028	180.0	0.0031
089	0.444	0.500	06.76	0.7534	-0.0329	0.1042	-0.7606	-0.0124	0.5676	0.0023	06.76	-00.01	-0.0032	0.0005	0.0026	180.0	0.0031
090	0.444	0.501	06.26	0.7148	-0.0229	0.0904	-0.7205	-0.0098	0.5109	0.0021	06.26	-00.01	-0.0032	0.0003	0.0022	180.0	0.0031
091	0.444	0.501	05.74	0.6757	-0.0166	0.0799	-0.6805	-0.0097	0.4565	0.0024	05.74	-00.01	-0.0033	0.0003	0.0021	180.0	0.0032
092	0.444	0.500	05.23	0.6282	-0.0127	0.0708	-0.6321	-0.0110	0.3945	0.0023	05.23	-00.01	-0.0022	0.0004	0.0023	180.0	0.0021
093	0.444	0.499	04.19	0.5382	-0.0092	0.0575	-0.5410	-0.0158	0.2895	0.0022	04.19	-00.01	-0.0021	0.0002	0.0028	180.0	0.0020
094	0.444	0.498	03.16	0.4414	-0.0064	0.0483	-0.4435	-0.0218	0.1947	0.0021	03.16	-00.01	-0.0011	0.0004	0.0024	180.0	0.0011
095	0.444	0.500	01.09	0.2486	0.0003	0.0386	-0.2494	-0.0319	0.0617	0.0021	01.09	-00.01	-0.0005	0.0003	0.0018	180.0	0.0004
096	0.444	0.501	-00.98	0.0449	0.0100	0.0357	-0.0444	-0.0345	0.0020	0.0020	-00.98	-00.01	0.0004	0.0002	0.0017	180.0	-0.0005
097	0.444	0.500	-03.05	-0.1566	0.0224	0.0378	0.1583	-0.0277	0.0244	0.0018	-03.05	-00.01	0.0012	0.0001	0.0019	180.0	-0.0013

TABLE 3(E)
FLARE PACK ON
ETA = 0° ETA(T) = +1 1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	RINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
002	0.455	0.900	07.42	0.8529	-0.1083	0.1699	-0.8679	-0.0560	0.7274	0.0023	07.42	-00.01	-0.0010	0.0011	-0.0004	179.9	0.0010
003	0.455	0.899	06.90	0.8209	-0.1144	0.1582	-0.8337	-0.0533	0.6737	0.0022	06.90	-00.01	-0.0001	0.0012	-0.0008	179.9	0.0000
004	0.455	0.899	06.37	0.7865	-0.1200	0.1426	-0.7976	-0.0520	0.6185	0.0024	06.37	-00.01	-0.0002	0.0011	-0.0019	179.9	0.0001
005	0.455	0.899	05.84	0.7528	-0.1222	0.1303	-0.7623	-0.0504	0.5667	0.0025	05.84	-00.01	0.0021	0.0017	-0.0012	179.9	-0.0022
006	0.455	0.899	05.32	0.7203	-0.1265	0.1196	-0.7283	-0.0499	0.5187	0.0024	05.32	-00.01	0.0004	0.0014	-0.0010	179.9	-0.0005
007	0.455	0.899	04.27	0.6459	-0.1262	0.1006	-0.6517	-0.0500	0.4171	0.0022	04.27	-00.01	0.0005	0.0014	0.0001	180.0	-0.0006
008	0.455	0.899	03.22	0.5534	-0.1169	0.0845	-0.5574	-0.0511	0.3061	0.0021	03.22	-00.01	0.0010	0.0008	0.0006	180.0	-0.0011
009	0.457	0.900	01.11	0.3300	-0.0960	0.0601	-0.3312	-0.0516	0.1087	0.0021	01.11	-00.01	0.0037	0.0022	0.0009	180.0	-0.0038
010	0.457	0.900	-01.03	0.0604	-0.0586	0.0484	-0.0597	-0.0474	0.0036	0.0021	-01.03	-00.01	0.0051	0.0023	0.0012	180.0	-0.0052
011	0.457	0.901	-03.16	-0.2415	-0.0071	0.0570	0.2442	-0.0418	0.0581	0.0018	-03.16	-00.02	0.0067	0.0026	0.0014	180.0	-0.0060
014	0.457	0.879	07.44	0.8277	-0.0706	0.1562	-0.8411	-0.0455	0.6850	0.0021	07.44	-00.01	-0.0019	0.0013	0.0012	180.0	0.0018
015	0.457	0.879	06.90	0.8191	-0.1095	0.1482	-0.8310	-0.0465	0.6707	0.0023	06.90	-00.01	-0.0008	0.0011	-0.0005	179.9	0.0007
016	0.458	0.880	06.38	0.7864	-0.1128	0.1353	-0.7967	-0.0448	0.6193	0.0023	06.38	-00.01	0.0005	0.0012	-0.0011	179.9	-0.0006
017	0.458	0.881	05.85	0.7531	-0.1167	0.1240	-0.7620	-0.0442	0.5672	0.0024	05.85	-00.01	0.0010	0.0015	-0.0012	179.9	-0.0011
018	0.458	0.881	05.33	0.7202	-0.1193	0.1136	-0.7277	-0.0439	0.5186	0.0023	05.33	-00.01	0.0004	0.0011	-0.0006	179.9	-0.0005
019	0.458	0.880	04.29	0.6460	-0.1084	0.0958	-0.6515	-0.0451	0.4172	0.0021	04.29	-00.01	0.0008	0.0015	-0.0002	179.9	-0.0009
020	0.458	0.880	03.25	0.5598	-0.0986	0.0793	-0.5635	-0.0453	0.3132	0.0022	03.25	-00.02	0.0025	0.0021	0.0008	180.0	-0.0026
021	0.458	0.879	01.14	0.3510	-0.0784	0.0549	-0.3521	-0.0462	0.1230	0.0018	01.14	-00.02	0.0034	0.0028	0.0010	180.0	-0.0035
022	0.458	0.880	-01.00	0.0834	-0.0503	0.0438	-0.0827	-0.0433	0.0069	0.0019	-01.00	-00.02	0.0046	0.0024	0.0013	180.0	-0.0047
023	0.458	0.879	-03.16	-0.2338	-0.0124	0.0511	0.2361	-0.0363	0.0548	0.0018	-03.16	-00.02	0.0072	0.0029	0.0011	180.0	-0.0072
026	0.460	0.861	07.40	0.8125	-0.1014	0.1528	-0.8255	-0.0446	0.6601	0.0023	07.40	-00.01	-0.0002	0.0009	0.0045	180.0	0.0001
027	0.460	0.861	06.93	0.7984	-0.0996	0.1378	-0.8093	-0.0382	0.6374	0.0022	06.93	-00.01	-0.0009	0.0013	0.0007	180.0	0.0008
028	0.460	0.859	06.38	0.7975	-0.1087	0.1330	-0.8075	-0.0415	0.6359	0.0020	06.38	-00.01	-0.0003	0.0012	-0.0008	179.9	0.0002
029	0.460	0.861	05.86	0.7663	-0.1141	0.1207	-0.7747	-0.0397	0.5871	0.0022	05.86	-00.01	-0.0003	0.0011	-0.0008	179.9	0.0002
030	0.460	0.860	05.34	0.7304	-0.1100	0.1091	-0.7375	-0.0383	0.5335	0.0023	05.34	-00.01	0.0006	0.0013	-0.0006	179.9	-0.0007
031	0.460	0.861	04.31	0.6582	-0.0956	0.0908	-0.6601	-0.0392	0.4292	0.0021	04.31	-00.01	0.0005	0.0015	-0.0001	179.9	-0.0006
032	0.460	0.863	03.27	0.5691	-0.0838	0.0749	-0.5728	-0.0403	0.3236	0.0021	03.27	-00.01	0.0019	0.0017	0.0008	180.0	-0.0020
033	0.457	0.860	01.16	0.3633	-0.0619	0.0514	-0.3644	-0.0422	0.1319	0.0019	01.16	-00.02	0.0030	0.0023	0.0011	180.0	-0.0031
034	0.458	0.859	-00.99	0.0823	-0.0368	0.0402	-0.0817	-0.0399	0.0067	0.0018	-00.99	-00.02	0.0041	0.0024	0.0010	180.0	-0.0042
035	0.460	0.861	-03.16	-0.2240	-0.0158	0.0485	0.2261	-0.0328	0.0500	0.0017	-03.16	-00.01	0.0064	0.0025	0.0013	180.0	-0.0065
040	0.458	0.841	07.38	0.8139	-0.1158	0.1498	-0.8285	-0.0417	0.6656	0.0021	07.38	-00.01	0.0010	0.0014	0.0017	180.0	-0.0011
041	0.462	0.839	06.91	0.7920	-0.0766	0.1374	-0.8029	-0.0393	0.6271	0.0019	06.91	-00.01	0.0002	0.0012	0.0028	180.0	-0.0003
041	0.462	0.839	06.91	0.7920	-0.0766	0.1374	-0.8029	-0.0393	0.6271	0.0019	06.91	-00.01	0.0002	0.0012	0.0028	180.0	-0.0003
043	0.462	0.841	06.42	0.7834	-0.0618	0.1267	-0.7928	-0.0364	0.6136	0.0019	06.42	-00.01	-0.0016	0.0008	0.0007	180.0	0.0015
044	0.462	0.841	05.87	0.7777	-0.1059	0.1172	-0.7857	-0.0350	0.6047	0.0021	05.87	-00.01	-0.0013	0.0011	-0.0007	179.9	0.0013
048	0.460	0.839	05.36	0.7489	-0.0972	0.1087	-0.7497	-0.0348	0.5818	0.0021	05.36	-00.01	0.0006	0.0014	-0.0003	179.9	-0.0007

TABLE 3(E)
FLARE PACK ON
ETA = 0° ETA(T) = +1 1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
046	0.462	0.841	04.32	0.6683	-0.0817	0.0864	-0.6730	-0.0336	0.4465	0.0022	04.32	-00.01	0.0008	0.0015	0.0002	180.0	-0.0009
047	0.462	0.840	03.29	0.5855	-0.0677	0.0698	-0.5886	-0.0341	0.3427	0.0021	03.29	-00.01	0.0018	0.0016	0.0008	180.0	-0.0019
048	0.462	0.840	01.17	0.3588	-0.0459	0.0481	-0.3598	-0.0388	0.1286	0.0020	01.17	-00.02	0.0031	0.0025	0.0012	180.0	-0.0032
049	0.462	0.840	-00.99	0.0764	-0.0294	0.0389	-0.0758	-0.0384	0.0057	0.0019	-00.99	-00.01	0.0044	0.0023	0.0010	180.0	-0.0045
050	0.462	0.839	-03.15	-0.2079	-0.0183	0.0430	0.2099	-0.0299	0.0431	0.0017	-03.15	-00.01	0.0054	0.0024	0.0012	180.0	-0.0055
053	0.455	0.801	07.38	0.8329	-0.1134	0.1450	-0.8447	-0.0349	0.6936	0.0019	07.38	-00.01	0.0008	0.0011	0.0009	180.0	-0.0009
054	0.455	0.799	06.87	0.8112	-0.1077	0.1319	-0.8213	-0.0317	0.6580	0.0022	06.87	-00.01	0.0019	0.0016	0.0029	180.0	-0.0020
055	0.457	0.798	06.37	0.7919	-0.0990	0.1214	-0.8006	-0.0308	0.6270	0.0020	06.37	-00.01	0.0010	0.0015	0.0037	180.0	-0.0011
056	0.458	0.802	05.87	0.7846	-0.0908	0.1108	-0.7919	-0.0278	0.6155	0.0021	05.87	-00.01	0.0013	0.0014	0.0020	180.0	-0.0014
057	0.457	0.798	05.37	0.7665	-0.0755	0.0995	-0.7726	-0.0252	0.5875	0.0020	05.37	-00.01	0.0010	0.0014	0.0004	180.0	-0.0010
058	0.455	0.799	04.35	0.6958	-0.0540	0.0802	-0.7000	-0.0250	0.4840	0.0022	04.35	-00.01	0.0017	0.0018	0.0007	180.0	-0.0018
059	0.455	0.800	03.30	0.5901	-0.0394	0.0626	-0.5928	-0.0267	0.3481	0.0018	03.30	-00.01	0.0029	0.0021	0.0016	180.0	-0.0030
060	0.455	0.800	01.16	0.3295	-0.0301	0.0429	-0.3304	-0.0345	0.1085	0.0018	01.16	-00.01	0.0039	0.0023	0.0011	180.0	-0.0040
061	0.455	0.799	-00.99	0.0708	-0.0228	0.0365	-0.0702	-0.0359	0.0049	0.0018	-00.99	-00.01	0.0043	0.0023	0.0009	180.0	-0.0044
062	0.458	0.799	-03.13	-0.1898	-0.0147	0.0402	0.1916	-0.0282	0.0359	0.0016	-03.13	-00.01	0.0052	0.0023	0.0012	180.0	-0.0052
002	0.473	0.751	07.38	0.8361	-0.1030	0.1377	-0.8469	-0.0272	0.6989	0.0020	07.38	-00.01	0.0011	0.0020	0.0016	180.0	-0.0012
003	0.471	0.750	06.88	0.8173	-0.0837	0.1254	-0.8265	-0.0245	0.6679	0.0020	06.88	-00.01	0.0010	0.0016	0.0018	180.0	-0.0011
004	0.473	0.750	06.39	0.7944	-0.0608	0.1137	-0.8023	-0.0225	0.6311	0.0020	06.39	-00.01	0.0024	0.0018	0.0034	180.0	-0.0028
005	0.473	0.750	05.88	0.7817	-0.0688	0.1022	-0.7882	-0.0196	0.6110	0.0020	05.88	-00.01	0.0032	0.0020	0.0043	180.0	-0.0033
006	0.473	0.751	05.40	0.7379	-0.0151	0.0885	-0.7430	-0.0168	0.5444	0.0019	05.40	-00.01	0.0028	0.0020	0.0033	180.0	-0.0029
007	0.473	0.751	04.35	0.6777	-0.0308	0.0715	-0.6813	-0.0179	0.4591	0.0019	04.35	-00.01	0.0018	0.0017	0.0016	180.0	-0.0019
008	0.471	0.749	03.28	0.5530	-0.0286	0.0568	-0.5555	-0.0230	0.3056	0.0020	03.28	-00.01	0.0031	0.0022	0.0018	180.0	-0.0032
009	0.471	0.749	01.14	0.3071	-0.0270	0.0420	-0.3080	-0.0342	0.0942	0.0016	01.14	-00.01	0.0037	0.0024	0.0012	180.0	-0.0038
010	0.473	0.750	-00.99	0.0660	-0.0191	0.0370	-0.0654	-0.0365	0.0043	0.0017	-00.99	-00.01	0.0046	0.0023	0.0012	180.0	-0.0047
011	0.473	0.750	-03.11	-0.1759	-0.0084	0.0407	0.1777	-0.0295	0.0308	0.0016	-03.11	-00.01	0.0056	0.0024	0.0014	180.0	-0.0057
014	0.455	0.701	07.36	0.8242	-0.0790	0.1330	-0.8346	-0.0245	0.6791	0.0018	07.36	-00.01	0.0021	0.0020	0.0036	180.0	-0.002[illegible]
015	0.455	0.699	06.85	0.8175	-0.0794	0.1202	-0.8261	-0.0197	0.6681	0.0020	06.85	-00.01	0.0021	0.0023	0.0038	180.0	-0.002[illegible]
016	0.455	0.699	06.36	0.7963	-0.0651	0.1063	-0.8032	-0.0157	0.6339	0.0018	06.36	-00.01	0.0029	0.0023	0.0039	180.0	-0.003[illegible]
017	0.453	0.701	05.85	0.7701	-0.0520	0.0951	-0.7759	-0.0140	0.5930	0.0021	05.85	-00.01	0.0028	0.0023	0.0038	180.0	-0.002[illegible]
018	0.455	0.700	05.34	0.7313	-0.0410	0.0840	-0.7360	-0.0137	0.5347	0.0019	05.34	-00.01	0.0027	0.0023	0.0028	180.0	-0.002[illegible]
019	0.455	0.700	04.30	0.6364	-0.0302	0.0662	-0.6397	-0.0162	0.4048	0.0020	04.30	-00.01	0.0032	0.0025	0.0023	180.0	-0.003[illegible]
020	0.455	0.700	03.24	0.5227	-0.0294	0.0533	-0.5250	-0.0218	0.2730	0.0019	03.24	-00.01	0.0037	0.0022	0.0020	180.0	-0.003[illegible]
021	0.455	0.699	01.13	0.2929	-0.0255	0.0401	-0.2937	-0.0325	0.0856	0.0019	01.13	-00.01	0.0029	0.0021	0.0010	180.0	-0.003[illegible]
022	0.457	0.700	-00.99	0.0627	-0.0169	0.0364	-0.0622	-0.0359	0.0038	0.0016	-00.99	-00.01	0.0047	0.0024	0.0010	180.0	-0.004[illegible]
023	0.455	0.699	-03.10	-0.1668	-0.0052	0.0397	0.1686	-0.0292	0.0277	0.0015	-03.10	-00.01	0.0052	0.0023	0.0013	180.0	-0.005[illegible]
026	0.450	0.499	07.26	0.7928	-0.0704	0.1231	-0.8021	-0.0197	0.6284	0.0022	07.26	-00.01	0.0015	0.0026	0.0024	180.0	-0.001[illegible]

TABLE 3(E)
FLARE PACK ON
ETA = 0° ETA(T) = +1 1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
027	0.449	0.501	06.76	0.7689	-0.0582	0.1047	-0.7760	-0.0115	0.5911	0.0020	06.76	-(0.01	0.0018	0.0025	0.0020	180.0	-0.0018
028	0.449	0.502	06.25	0.7321	-0.0471	0.0916	-0.7378	-0.0091	0.5359	0.0022	06.25	-(0.01	0.0013	0.0024	0.0018	180.0	-0.0014
029	0.450	0.500	05.74	0.6903	-0.0405	0.0809	-0.6950	-0.0092	0.4763	0.0022	05.74	-(0.01	0.0016	0.0024	0.0017	180.0	-0.0017
030	0.452	0.501	05.22	0.6439	-0.0365	0.0712	-0.6478	-0.0102	0.4145	0.0021	05.22	-(0.01	0.0020	0.0024	0.0020	180.0	-0.0021
031	0.452	0.501	04.19	0.5516	-0.0326	0.0576	-0.5545	-0.0152	0.3042	0.0020	04.19	-(0.01	0.0030	0.0024	0.0024	180.0	-0.0031
032	0.452	0.500	03.15	0.4551	-0.0294	0.0482	-0.4571	-0.0211	0.2070	0.0021	03.15	-(0.01	0.0035	0.0023	0.0019	180.0	-0.0036
033	0.450	0.499	01.08	0.2607	-0.0217	0.0377	-0.2615	-0.0310	0.0678	0.0019	01.08	-(0.01	0.0038	0.0023	0.0012	180.0	-0.0039
034	0.471	0.502	-00.99	0.0565	-0.0122	0.0345	-0.0560	-0.0336	0.0031	0.0019	-00.99	-(0.01	0.0042	0.0022	0.0013	180.0	-0.0043
035	0.471	0.499	-03.06	-0.1464	0.0001	0.0364	0.1481	-0.0268	0.0213	0.0018	-03.06	-(0.01	0.0050	0.0022	0.0016	180.0	-0.0051

TABLE 3(F)
FLARE PACK ON
ETA = 0° ETA(T) = +2 1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
008	0.444	0.900	07.42	0.8538	-0.1115	0.1714	-0.8689	-0.0573	0.7288	0.0025	07.42	-00.01	-0.0042	-0.0004	0.0001	180.0	0.0041
009	0.444	0.898	06.89	0.8213	-0.1185	0.1552	-0.8341	-0.0532	0.6744	0.0023	06.89	-00.01	-0.0047	-0.0005	-0.0001	179.9	0.0046
010	0.444	0.901	06.36	0.7861	-0.1240	0.1433	-0.7972	-0.0528	0.6178	0.0025	06.36	00.00	-0.0043	-0.0009	-0.0010	179.9	0.0042
011	0.444	0.902	05.84	0.7539	-0.1297	0.1320	-0.7635	-0.0519	0.5683	0.0027	05.84	00.00	-0.0040	-0.0009	-0.0005	179.9	0.0039
012	0.444	0.899	05.31	0.7223	-0.1353	0.1197	-0.7304	-0.0497	0.5217	0.0026	05.31	-00.01	-0.0035	-0.0005	-0.0003	179.9	0.0034
013	0.444	0.899	04.26	0.6512	-0.1406	0.1008	-0.6570	-0.0497	0.4239	0.0024	04.26	00.00	-0.0021	-0.0004	0.0008	180.0	0.0020
014	0.444	0.901	03.21	0.5603	-0.1372	0.0841	-0.5642	-0.0501	0.3138	0.0026	03.21	-00.01	-0.0006	0.0001	0.0015	180.0	0.0008
015	0.444	0.901	01.09	0.3367	-0.1142	0.0609	-0.3379	-0.0520	0.1133	0.0025	01.09	-00.01	0.0007	0.0003	0.0019	180.0	-0.0008
016	0.444	0.900	-01.04	0.0684	-0.0766	0.0494	-0.0676	-0.0483	0.0045	0.0024	-01.04	-00.01	0.0022	0.0003	0.0022	180.0	-0.0023
017	0.444	0.901	-03.18	-0.2354	-0.0252	0.0586	0.2382	-0.0434	0.0552	0.0021	-03.18	-00.01	0.0041	0.0005	0.0025	180.0	-0.0042
020	0.450	0.881	07.41	0.8300	-0.1079	0.1602	-0.8439	-0.0493	0.6888	0.0025	07.41	00.00	-0.0058	-0.0010	0.0013	180.0	0.0057
021	0.450	0.880	06.89	0.8176	-0.1156	0.1493	-0.8297	-0.0479	0.6683	0.0022	06.89	00.00	-0.0046	-0.0009	0.0001	180.0	0.0045
022	0.450	0.879	06.37	0.7891	-0.1218	0.1368	-0.7995	-0.0461	0.6227	0.0023	06.37	-00.01	-0.0028	-0.0004	-0.0005	179.9	0.0027
023	0.450	0.880	05.84	0.7555	-0.1268	0.1247	-0.7644	-0.0446	0.5707	0.0026	05.84	00.00	-0.0036	-0.0009	-0.0006	179.9	0.0035
024	0.450	0.880	05.32	0.7209	-0.1277	0.1141	-0.7285	-0.0443	0.5196	0.0024	05.32	00.00	-0.0038	-0.0007	0.0000	179.9	0.0037
025	0.453	0.881	04.28	0.6538	-0.1271	0.0962	-0.6593	-0.0448	0.4274	0.0024	04.28	00.00	-0.0026	-0.0006	0.0003	180.0	0.0025
026	0.453	0.881	03.23	0.5664	-0.1164	0.0788	-0.5700	-0.0443	0.3206	0.0024	03.23	00.00	-0.0015	-0.0002	0.0013	180.0	0.0014
027	0.453	0.880	01.12	0.3574	-0.0958	0.0561	-0.3586	-0.0468	0.1276	0.0023	01.12	-00.01	-0.0011	0.0002	0.0015	180.0	0.0010
028	0.453	0.881	-01.02	0.0870	-0.0679	0.0438	-0.0863	-0.0432	0.0074	0.0021	-01.02	-00.01	0.0009	0.0004	0.0018	180.0	-0.0010
029	0.449	0.876	-03.18	-0.2292	-0.0297	0.0498	0.2315	-0.0352	0.0523	0.0019	-03.18	-00.01	0.0037	0.0006	0.0018	180.0	-0.0038
032	0.463	0.861	07.39	0.8202	-0.1173	0.1547	-0.8333	-0.0455	0.6726	0.0024	07.39	00.00	-0.0037	-0.0005	0.0030	180.0	0.0036
033	0.463	0.861	06.92	0.8107	-0.0836	0.1437	-0.8222	-0.0428	0.6571	0.0022	06.92	00.00	-0.0062	-0.0012	0.0007	180.0	0.0061
034	0.463	0.860	06.37	0.7993	-0.1216	0.1329	-0.8092	-0.0410	0.6387	0.0023	06.37	00.00	-0.0037	-0.0007	-0.0002	179.9	0.0036
035	0.463	0.859	05.85	0.7698	-0.1236	0.1190	-0.7781	-0.0385	0.5925	0.0022	05.85	00.00	-0.0035	-0.0007	-0.0002	179.9	0.0034
036	0.463	0.859	05.33	0.7341	-0.1234	0.1099	-0.7413	-0.0390	0.5389	0.0023	05.33	00.00	-0.0039	-0.0008	0.0002	180.0	0.0038
037	0.463	0.860	04.29	0.6624	-0.1121	0.0899	-0.6674	-0.0379	0.4386	0.0022	04.29	00.00	-0.0034	-0.0006	0.0006	180.0	0.0033
038	0.463	0.858	03.26	0.5000	-0.0973	0.0739	-0.5033	-0.0387	0.3363	0.0021	03.26	00.00	-0.0022	-0.0004	0.0014	180.0	0.0021
040	0.462	0.862	01.14	0.3684	-0.0806	0.0533	-0.3695	-0.0437	0.1356	0.0023	01.14	-00.01	-0.0007	0.0004	0.0018	180.0	0.0006
040	0.462	0.862	01.14	0.3684	-0.0806	0.0533	-0.3695	-0.0437	0.1356	0.0023	01.14	-00.01	-0.0007	0.0004	0.0018	180.0	0.0006
041	0.463	0.860	-01.00	0.0868	-0.0534	0.0406	-0.0862	-0.0401	0.0074	0.0021	-01.00	-00.01	0.0009	0.0003	0.0018	180.0	-0.0010
042	0.463	0.859	-03.17	-0.2171	-0.0332	0.0464	0.2193	-0.0326	0.0470	0.0019	-03.17	-00.01	0.0025	0.0004	0.0020	180.0	-0.0026
045	0.458	0.840	07.39	0.8238	-0.1164	0.1496	-0.8363	-0.0404	0.6785	0.0021	07.39	00.00	-0.0035	-0.0007	0.0039	180.0	0.0034
046	0.458	0.841	06.88	0.8068	-0.1155	0.1374	-0.8176	-0.0376	0.6508	0.0022	06.88	00.00	-0.0036	-0.0009	0.0021	180.0	0.0035
047	0.458	0.839	06.39	0.7930	-0.0954	0.1283	-0.8025	-0.0371	0.6288	0.0021	06.39	00.00	-0.0041	-0.0008	0.0014	180.0	0.0040
048	0.458	0.839	05.86	0.7846	-0.1188	0.1182	-0.7926	-0.0353	0.6154	0.0022	05.86	00.00	-0.0043	-0.0009	-0.0003	179.9	0.0042
049	0.458	0.840	05.34	0.7494	-0.1147	0.1067	-0.7562	-0.0343	0.5616	0.0022	05.34	00.00	-0.0043	-0.0006	0.0004	180.0	0.0042

TABLE 3(F)
FLARE PACK ON
ETA = 0° ETA(T) = +2 1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
050	0.458	0.839	04.31	0.6763	-0.0976	0.0869	-0.6810	-0.0336	0.4573	0.0023	04.31	00.00	-0.0034	-0.0006	0.0007	180.0	0.0033
051	0.458	0.839	03.27	0.5928	-0.0840	0.0711	-0.5960	-0.0350	0.3513	0.0021	03.27	-00.01	-0.0020	-0.0002	0.0014	180.0	0.0019
052	0.458	0.840	01.16	0.3643	-0.0628	0.0486	-0.3653	-0.0390	0.1325	0.0022	01.16	00.00	-0.0006	-0.0001	0.0016	180.0	0.0005
053	0.458	0.840	-01.00	0.0817	-0.0458	0.0387	-0.0811	-0.0383	0.0066	0.0019	-01.00	-00.01	0.0003	0.0002	0.0015	180.0	-0.0004
054	0.462	0.841	-03.16	-0.2041	-0.0352	0.0434	0.2061	-0.0302	0.0415	0.0019	-03.16	-00.01	0.0018	0.0002	0.0018	180.0	-0.0019
057	0.458	0.800	07.38	0.8270	-0.1148	0.1442	-0.8388	-0.0347	0.6839	0.0021	07.38	00.00	-0.0023	-0.0007	0.0031	180.0	0.0022
058	0.455	0.801	06.87	0.8136	-0.1087	0.1316	-0.8236	-0.0310	0.6618	0.0023	06.87	00.00	-0.0027	-0.0004	0.0031	180.0	0.0026
059	0.458	0.802	06.37	0.8003	-0.1008	0.1203	-0.8088	-0.0287	0.6404	0.0020	06.37	00.00	-0.0032	-0.0006	0.0031	180.0	0.0031
060	0.455	0.799	05.86	0.7903	-0.1034	0.1101	-0.7975	-0.0268	0.6245	0.0020	05.86	00.00	-0.0026	-0.0007	0.0021	180.0	0.0025
061	0.458	0.800	05.36	0.7754	-0.0920	0.1012	-0.7816	-0.0260	0.6012	0.0022	05.36	00.00	-0.0036	-0.0009	0.0008	180.0	0.0035
062	0.455	0.801	04.34	0.7026	-0.0713	0.0808	-0.7068	-0.0251	0.4934	0.0022	04.34	-00.01	-0.0036	-0.0004	0.0012	180.0	0.0035
063	0.458	0.800	03.29	0.5974	-0.0557	0.0621	-0.6001	-0.0257	0.3568	0.0020	03.29	-00.01	-0.0019	0.0000	0.0022	180.0	0.0018
064	0.455	0.799	01.15	0.3357	-0.0460	0.0438	-0.3366	-0.0351	0.1126	0.0020	01.15	-00.01	-0.0010	0.0003	0.0016	180.0	0.0010
065	0.458	0.801	-01.00	0.0751	-0.0389	0.0380	-0.0745	-0.0374	0.0056	0.0020	-01.00	-00.01	0.0008	0.0001	0.0014	180.0	-0.0009
066	0.458	0.801	-03.14	-0.1845	-0.0310	0.0401	0.1863	-0.0282	0.0339	0.0018	-03.14	-00.01	0.0025	0.0003	0.0018	180.0	-0.0026
069	0.453	0.751	07.36	0.8337	-0.1172	0.1364	-0.8444	-0.0265	0.6949	0.0020	07.36	00.00	-0.0034	-0.0003	0.0027	180.0	0.0033
070	0.453	0.750	06.86	0.8070	-0.0927	0.1236	-0.8161	-0.0242	0.6512	0.0020	06.86	00.00	-0.0036	-0.0003	0.0039	180.0	0.0035
071	0.453	0.751	06.37	0.7970	-0.0772	0.1138	-0.8048	-0.0225	0.6351	0.0021	06.37	00.00	-0.0014	-0.0002	0.0044	180.0	0.0013
072	0.453	0.750	05.86	0.7899	-0.0827	0.1039	-0.7965	-0.0207	0.6239	0.0020	05.86	00.00	-0.0013	-0.0001	0.0041	180.0	0.0012
073	0.453	0.749	05.36	0.7648	-0.0679	0.0914	-0.7701	-0.0176	0.5848	0.0020	05.36	00.00	-0.0019	-0.0002	0.0029	180.0	0.0018
074	0.453	0.749	04.33	0.6838	-0.0466	0.0717	-0.6873	-0.0179	0.4674	0.0020	04.33	00.00	-0.0026	-0.0005	0.0020	180.0	0.0025
075	0.453	0.749	03.27	0.5589	-0.0440	0.0561	-0.5613	-0.0222	0.3122	0.0020	03.27	00.00	-0.0016	-0.0002	0.0021	180.0	0.0015
076	0.453	0.748	01.13	0.3118	-0.0420	0.0412	-0.3126	-0.0331	0.0971	0.0019	01.13	-00.01	-0.0006	0.0002	0.0015	180.0	0.0005
077	0.453	0.750	-01.00	0.0719	-0.0341	0.0360	-0.0714	-0.0355	0.0051	0.0017	-01.00	-00.01	-0.0002	0.0001	0.0016	180.0	0.0001
078	0.453	0.750	-03.12	-0.1691	-0.0238	0.0395	0.1709	-0.0287	0.0284	0.0017	-03.12	-00.01	0.0017	0.0003	0.0016	180.0	-0.0018
081	0.444	0.699	07.35	0.8321	-0.0943	0.1369	-0.8429	-0.0273	0.6922	0.0020	07.35	-00.01	-0.0029	0.0002	0.0038	180.0	0.0028
082	0.445	0.700	06.84	0.8195	-0.0944	0.1243	-0.8286	-0.0237	0.6715	0.0020	06.84	-00.01	-0.0025	0.0002	0.0047	180.0	0.0025
083	0.445	0.701	06.36	0.7832	-0.0478	0.1079	-0.7905	-0.0184	0.6134	0.0020	06.36	00.00	-0.0010	0.0003	0.0048	180.0	0.0009
084	0.445	0.700	05.84	0.7734	-0.0671	0.0997	-0.7796	-0.0183	0.5981	0.0021	05.84	00.00	-0.0010	0.0001	0.0043	180.0	0.0009
085	0.445	0.700	05.33	0.7372	-0.0562	0.0881	-0.7423	-0.0172	0.5434	0.0020	05.33	-00.01	-0.0019	0.0002	0.0031	180.0	0.0018
086	0.445	0.699	04.29	0.6405	-0.0458	0.0692	-0.6440	-0.0191	0.4101	0.0020	04.29	-00.01	-0.0020	0.0005	0.0027	180.0	0.0019
087	0.445	0.699	03.23	0.5258	-0.0444	0.0578	-0.5284	-0.0261	0.2763	0.0019	03.23	-00.01	-0.0009	0.0004	0.0027	180.0	0.0008
088	0.445	0.700	01.12	0.2977	-0.0401	0.0445	-0.2987	-0.0367	0.0885	0.0020	01.12	-00.01	-0.0008	0.0003	0.0016	180.0	0.0007
089	0.445	0.699	-01.00	0.0678	-0.0312	0.0380	-0.0672	-0.0374	0.0045	0.0018	-01.00	-00.01	0.0003	0.0002	0.0015	180.0	-0.0004
090	0.445	0.699	-03.10	-0.1610	-0.0203	0.0413	0.1629	-0.0310	0.0258	0.0017	-03.10	-00.01	0.0012	0.0001	0.0017	180.0	-0.0013
093	0.445	0.502	07.25	0.7980	-0.0831	0.1215	-0.8070	-0.0175	0.6366	0.0022	07.25	-00.01	-0.0024	0.0005	0.0027	180.0	0.0023

TABLE 3(F)
FLARE PACK ON
ETA = 0° ETA(T) = +2 1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
094	0.444	0.498	06.75	0.7727	-0.0694	0.1049	-0.7798	-0.0113	0.5969	0.0021	06.75	-00.01	-0.0030	0.0005	0.0024	180.0	0.0029
095	0.444	0.499	06.24	0.7383	-0.0594	0.0922	-0.7441	-0.0091	0.5451	0.0023	06.24	-00.01	-0.0032	0.0004	0.0023	180.0	0.0031
096	0.445	0.502	05.73	0.6919	-0.0538	0.0804	-0.6966	-0.0088	0.4787	0.0021	05.73	-00.01	-0.0030	0.0004	0.0022	180.0	0.0029
097	0.444	0.500	05.21	0.6489	-0.0507	0.0718	-0.6528	-0.0104	0.4210	0.0022	05.21	-00.01	-0.0020	0.0005	0.0025	180.0	0.0019
098	0.444	0.501	04.18	0.5581	-0.0467	0.0580	-0.5609	-0.0151	0.3113	0.0021	04.18	-00.01	-0.0014	0.0005	0.0027	180.0	0.0013
099	0.444	0.500	03.15	0.4629	-0.0432	0.0487	-0.4680	-0.0213	0.2142	0.0020	03.15	-00.01	-0.0011	0.0007	0.0024	180.0	0.0010
100	0.444	0.501	01.08	0.2654	-0.0350	0.0381	-0.2662	-0.0311	0.0703	0.0021	01.08	-00.01	-0.0006	0.0004	0.0018	180.0	0.0005
101	0.445	0.502	-01.00	0.0626	-0.0254	0.0344	-0.0621	-0.0336	0.0038	0.0019	-01.00	-00.01	0.0005	0.0002	0.0016	180.0	-0.0006
102	0.444	0.499	-03.07	-0.1397	-0.0134	0.0364	0.1413	-0.0270	0.0194	0.0019	-03.07	-00.01	0.0012	0.0001	0.0018	180.0	-0.0013

TABLE 3(G)
FLARE PACK ON
ETA = 0° ETA(T) = +3 1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	RINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
002	0.457	0.900	07.42	0.8516	-0.1158	0.1698	-0.8665	-0.0561	0.7251	0.0024	07.42	-00.01	-0.0006	0.0012	-0.0003	179.9	0.0005
003	0.457	0.901	06.89	0.8185	-0.1213	0.1560	-0.8314	-0.0541	0.6698	0.0025	06.89	-00.01	0.0000	0.0013	-0.0002	179.9	0.0000
004	0.457	0.901	06.36	0.7837	-0.1282	0.1420	-0.7947	-0.0515	0.6141	0.0027	06.36	-00.01	-0.0007	0.0009	-0.0012	179.9	0.0006
005	0.457	0.900	05.83	0.7512	-0.1344	0.1305	-0.7607	-0.0511	0.5643	0.0024	05.83	-00.01	-0.0008	0.0008	-0.0008	179.9	0.0007
006	0.457	0.900	05.31	0.7224	-0.1399	0.1210	-0.7306	-0.0510	0.5218	0.0025	05.31	-00.01	-0.0003	0.0011	-0.0007	179.9	0.0002
007	0.457	0.900	04.25	0.6528	-0.1527	0.1020	-0.6587	-0.0510	0.4260	0.0023	04.25	-00.01	0.0005	0.0017	0.0003	180.0	-0.0006
008	0.457	0.899	03.19	0.5690	-0.1645	0.0854	-0.5729	-0.0514	0.3235	0.0022	03.19	-00.01	0.0024	0.0021	0.0007	180.0	-0.0025
009	0.457	0.900	01.06	0.3451	-0.1496	0.0611	-0.3463	-0.0524	0.1190	0.0024	01.06	-00.02	0.0038	0.0024	0.0009	180.0	-0.0039
010	0.457	0.900	-01.07	0.0768	-0.1096	0.0498	-0.0759	-0.0489	0.0058	0.0024	-01.07	-00.02	0.0048	0.0028	0.0012	180.0	-0.0048
011	0.457	0.901	-03.21	-0.2259	-0.0568	0.0589	0.2288	-0.0441	0.0509	0.0022	-03.21	-00.02	0.0063	0.0025	0.0013	180.0	-0.0064
014	0.458	0.881	07.41	0.8244	-0.1077	0.1574	-0.8379	-0.0474	0.6795	0.0024	07.41	-00.01	-0.0047	0.0002	0.0006	180.0	0.0046
015	0.457	0.880	06.89	0.8178	-0.1184	0.1515	-0.8302	-0.0497	0.6687	0.0025	06.89	-00.01	-0.0006	0.0014	0.0000	179.9	0.0005
016	0.457	0.879	06.37	0.7880	-0.1247	0.1379	-0.7986	-0.0473	0.6210	0.0023	06.37	-00.01	-0.0011	0.0009	-0.0007	179.9	0.0010
017	0.457	0.880	05.84	0.7542	-0.1311	0.1257	-0.7632	-0.0458	0.5687	0.0025	05.84	-00.01	0.0000	0.0012	-0.0008	179.9	-0.0001
018	0.457	0.878	05.31	0.7225	-0.1371	0.1146	-0.7302	-0.0449	0.5220	0.0023	05.31	-00.01	0.0004	0.0013	-0.0003	179.9	-0.0005
019	0.457	0.878	04.26	0.6601	-0.1461	0.0958	-0.6655	-0.0444	0.4356	0.0021	04.26	-00.01	0.0005	0.0017	-0.0002	179.9	-0.0005
020	0.457	0.879	03.21	0.5784	-0.1485	0.0804	-0.5821	-0.0456	0.3343	0.0023	03.21	-00.02	0.0038	0.0025	0.0008	180.0	-0.0039
021	0.458	0.882	01.09	0.3666	-0.1325	0.0568	-0.3677	-0.0474	0.1343	0.0024	01.09	-00.02	0.0041	0.0026	0.0008	180.0	-0.0042
022	0.458	0.880	-01.04	0.0997	-0.1001	0.0428	-0.0990	-0.0425	0.0098	0.0021	-01.04	-00.02	0.0053	0.0031	0.0012	180.0	-0.0054
023	0.458	0.880	-03.20	-0.2206	-0.0587	0.0511	0.2230	-0.0368	0.0485	0.0020	-03.20	-00.02	0.0072	0.0028	0.0011	180.0	-0.0073
026	0.460	0.860	07.39	0.8210	-0.1227	0.1560	-0.8343	-0.0468	0.6739	0.0023	07.39	-00.01	-0.0003	0.0011	0.0030	180.0	0.0002
027	0.503	0.861	06.88	0.8055	-0.1145	0.1427	-0.8169	-0.0428	0.6487	0.0023	06.88	-00.01	-0.0011	0.0015	0.0010	180.0	0.0010
028	0.460	0.863	06.37	0.7961	-0.1252	0.1357	-0.8064	-0.0441	0.6338	0.0025	06.37	-00.01	-0.0006	0.0009	-0.0007	179.9	0.0005
029	0.457	0.860	05.84	0.7704	-0.1315	0.1227	-0.7790	-0.0412	0.5935	0.0023	05.84	-00.01	0.0006	0.0015	-0.0005	179.9	-0.0007
030	0.457	0.860	05.32	0.7369	-0.1358	0.1105	-0.7441	-0.0395	0.5429	0.0022	05.32	-00.01	0.0003	0.0014	-0.0002	179.9	-0.0003
031	0.458	0.858	04.27	0.6739	-0.1402	0.0914	-0.6790	-0.0388	0.4541	0.0020	04.27	-00.01	0.0007	0.0017	-0.0001	179.9	-0.0007
032	0.460	0.861	03.23	0.5903	-0.1343	0.0761	-0.5937	-0.0405	0.3483	0.0023	03.23	-00.02	0.0037	0.0032	0.0007	180.0	-0.0037
033	0.460	0.861	01.12	0.3804	-0.1115	0.0524	-0.3814	-0.0428	0.1446	0.0021	01.12	-00.02	0.0041	0.0027	0.0010	180.0	-0.0042
034	0.458	0.858	-01.03	0.0988	-0.0838	0.0406	-0.0981	-0.0404	0.0097	0.0020	-01.03	-00.02	0.0048	0.0028	0.0010	180.0	-0.0049
035	0.460	0.861	-03.20	-0.2079	-0.0619	0.0460	0.2100	-0.0324	0.0431	0.0020	-03.20	-00.02	0.0067	0.0033	0.0011	180.0	-0.0068
038	0.457	0.840	07.37	0.8249	-0.1289	0.1519	-0.8377	-0.0425	0.6803	0.0023	07.37	-00.01	0.0002	0.0016	0.0025	180.0	-0.0003
039	0.131	0.839	06.86	0.8078	-0.1305	0.1405	-0.8189	-0.0409	0.6525	0.0020	06.86	-00.01	0.0031	0.0020	0.0021	180.0	-0.0032
040	0.455	0.840	06.39	0.7982	-0.0910	0.1292	-0.8077	-0.0373	0.6370	0.0022	06.39	-00.01	-0.0011	0.0010	0.0006	180.0	0.0010
041	0.453	0.838	05.84	0.7881	-0.1338	0.1183	-0.7961	-0.0352	0.6210	0.0022	05.84	-00.01	0.0012	0.0018	-0.0004	179.9	-0.0013
042	0.455	0.841	05.33	0.7537	-0.1327	0.1081	-0.7605	-0.0354	0.5679	0.0022	05.33	-00.02	0.0019	0.0021	0.0000	180.0	-0.0020
043	0.457	0.840	04.29	0.6873	-0.1291	0.0874	-0.6921	-0.0337	0.4723	0.0021	04.29	-00.01	0.0014	0.0017	0.0002	180.0	-0.0015

TABLE 3(G)
FLARE PACK ON
ETA = 0° ETA(T) = +3 1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
044	0.455	0.840	03.25	0.6045	-0.1191	0.0731	-0.6078	-0.0366	0.3653	0.0022	03.25	-00.02	0.0026	0.0023	0.0008	180.0	-0.0027
045	0.455	0.841	01.13	0.3767	-0.0945	0.0485	-0.3777	-0.0390	0.1417	0.0021	01.13	-00.02	0.0036	0.0025	0.0010	180.0	-0.0037
046	0.455	0.840	-01.02	0.0952	-0.0756	0.0378	-0.0946	-0.0376	0.0090	0.0019	-01.02	-00.02	0.0040	0.0028	0.0009	180.0	-0.0041
047	0.457	0.840	-03.19	-0.1945	-0.0638	0.0428	0.1965	-0.0301	0.0377	0.0019	-03.19	-00.02	0.0062	0.0027	0.0013	180.0	-0.0063
050	0.453	0.799	07.36	0.8351	-0.1303	0.1486	-0.8474	-0.0382	0.6973	0.0021	07.36	-00.01	0.0012	0.0014	0.0024	180.0	-0.0013
051	0.455	0.801	06.86	0.8229	-0.1279	0.1373	-0.8335	-0.0358	0.6770	0.0022	06.86	-00.01	0.0014	0.0018	0.0022	180.0	-0.0015
053	0.455	0.800	06.35	0.8110	-0.1326	0.1255	-0.8200	-0.0330	0.6576	0.0020	06.35	-00.01	0.0013	0.0018	0.0020	180.0	-0.0014
053	0.455	0.800	06.35	0.8110	-0.1326	0.1255	-0.8200	-0.0330	0.6576	0.0020	06.35	-00.01	0.0013	0.0018	0.0020	180.0	-0.0014
054	0.455	0.801	05.86	0.7988	-0.1167	0.1146	-0.8064	-0.0303	0.6380	0.0022	05.86	-00.01	0.0008	0.0016	0.0016	180.0	-0.0009
055	0.455	0.800	05.34	0.7848	-0.1221	0.1050	-0.7913	-0.0294	0.6159	0.0020	05.34	-00.01	0.0014	0.0019	0.0004	180.0	-0.0015
056	0.453	0.799	04.32	0.7155	-0.1017	0.0835	-0.7198	-0.0274	0.5119	0.0020	04.32	-00.01	0.0014	0.0020	0.0008	180.0	-0.0015
057	0.455	0.800	03.27	0.6112	-0.0870	0.0672	-0.6141	-0.0300	0.3734	0.0021	03.27	-00.02	0.0029	0.0024	0.0015	180.0	-0.0030
058	0.455	0.801	01.13	0.3497	-0.0756	0.0470	-0.3507	-0.0381	0.1222	0.0020	01.13	-00.02	0.0043	0.0031	0.0011	180.0	-0.0044
059	0.455	0.799	-01.02	0.0865	-0.0668	0.0403	-0.0859	-0.0400	0.0074	0.0018	-01.02	-00.02	0.0046	0.0026	0.0010	180.0	-0.0047
060	0.455	0.800	-03.16	-0.1742	-0.0591	0.0423	0.1762	-0.0309	0.0302	0.0018	-03.16	-00.02	0.0058	0.0027	0.0013	180.0	-0.0059
063	0.465	0.749	07.35	0.8362	-0.1265	0.1376	-0.8471	-0.0273	0.6991	0.0021	07.35	-00.01	0.0012	0.0022	0.0026	180.0	-0.0013
064	0.465	0.749	06.85	0.8214	-0.1196	0.1259	-0.8307	-0.0248	0.6746	0.0022	06.85	-00.01	0.0015	0.0023	0.0028	180.0	-0.0016
065	0.465	0.751	06.35	0.8160	-0.1203	0.1146	-0.8238	-0.0215	0.6658	0.0022	06.35	-00.01	0.0036	0.0022	0.0042	180.0	-0.0036
066	0.465	0.752	05.85	0.7935	-0.0978	0.1034	-0.8000	-0.0196	0.6296	0.0022	05.85	-00.01	0.0031	0.0019	0.0037	180.0	-0.0032
067	0.463	0.749	05.35	0.7749	-0.0887	0.0921	-0.7802	-0.0172	0.6003	0.0022	05.35	-00.01	0.0023	0.0021	0.0025	180.0	-0.0024
068	0.463	0.748	04.31	0.6938	-0.0757	0.0715	-0.6973	-0.0169	0.4812	0.0021	04.31	-00.01	0.0014	0.0017	0.0016	180.0	-0.0015
069	0.465	0.751	03.25	0.5707	-0.0730	0.0566	-0.5731	-0.0220	0.3255	0.0021	03.25	-00.01	0.0042	0.0024	0.0019	180.0	-0.0043
070	0.465	0.751	01.11	0.3222	-0.0698	0.0424	-0.3230	-0.0340	0.1037	0.0021	01.11	-00.02	0.0048	0.0028	0.0012	180.0	-0.0049
071	0.465	0.751	-01.01	0.0821	-0.0610	0.0367	-0.0815	-0.0362	0.0066	0.0020	-01.01	-00.02	0.0048	0.0026	0.0012	180.0	-0.0049
072	0.465	0.750	-03.14	-0.1593	-0.0504	0.0396	0.1612	-0.0290	0.0253	0.0018	-03.14	-00.02	0.0059	0.0028	0.0015	180.0	-0.0060
075	0.452	0.700	07.33	0.8387	-0.1219	0.1342	-0.8491	-0.0239	0.7033	0.0021	07.33	-00.01	0.0020	0.0023	0.0035	180.0	-0.0021
076	0.452	0.701	06.83	0.8306	-0.1213	0.1215	-0.8393	-0.0196	0.6897	0.0022	06.83	-00.01	0.0026	0.0024	0.0041	180.0	-0.0027
077	0.449	0.699	06.34	0.8010	-0.0835	0.1087	-0.8082	-0.0174	0.6415	0.0022	06.34	-00.01	0.0038	0.0025	0.0044	180.0	-0.0039
078	0.452	0.701	05.82	0.7841	-0.0952	0.0969	-0.7899	-0.0146	0.6147	0.0022	05.82	-00.01	0.0031	0.0024	0.0037	180.0	-0.0032
079	0.452	0.701	05.31	0.7459	-0.0849	0.0848	-0.7506	-0.0132	0.5563	0.0022	05.31	-00.01	0.0027	0.0026	0.0027	180.0	-0.0028
080	0.452	0.701	04.27	0.6506	-0.0744	0.0670	-0.6539	-0.0162	0.4231	0.0021	04.27	-00.01	0.0024	0.0024	0.0022	180.0	-0.0025
081	0.452	0.699	03.21	0.5370	-0.0730	0.0547	-0.5393	-0.0226	0.2882	0.0019	03.21	-00.01	0.0030	0.0025	0.0021	180.0	-0.0031
082	0.452	0.701	01.10	0.3090	-0.0672	0.0408	-0.3098	-0.0329	0.0953	0.0019	01.10	-00.01	0.0041	0.0023	0.0010	180.0	-0.0042
083	0.452	0.699	-01.01	0.0790	-0.0576	0.0363	-0.0784	-0.0359	0.0062	0.0019	-01.01	-00.01	0.0043	0.0026	0.0011	180.0	-0.0044
084	0.452	0.699	-03.12	-0.1494	-0.0458	0.0392	0.1512	-0.0293	0.0222	0.0017	-03.12	-00.01	0.0055	0.0027	0.0013	180.0	-0.0055
087	0.447	0.500	07.24	0.8077	-0.1083	0.1224	-0.8168	-0.0173	0.6524	0.0020	07.24	-00.01	0.0011	0.0028	0.0023	180.0	-0.0012

TABLE 3(G)
FLARE PACK ON
ETA = 0° ETA(T) = +3 1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
088	0.447	0.500	06.74	0.7849	-0.0966	0.1062	-0.7921	-0.0110	0.6160	0.0023	06.74	-00.01	0.0017	0.0028	0.0019	180.0	-0.0018
089	0.449	0.501	06.23	0.7470	-0.0860	0.0928	-0.7529	-0.0088	0.5579	0.0023	06.23	-00.01	0.0021	0.0028	0.0018	180.0	-0.0022
090	0.444	0.498	05.71	0.7048	-0.0812	0.0817	-0.7095	-0.0090	0.4966	0.0021	05.71	-00.01	0.0017	0.0027	0.0018	180.0	-0.0018
091	0.447	0.499	05.20	0.6601	-0.0779	0.0724	-0.6641	-0.0099	0.4356	0.0023	05.20	-00.01	0.0019	0.0027	0.0019	180.0	-0.0020
092	0.447	0.499	04.17	0.5667	-0.0734	0.0587	-0.5696	-0.0151	0.3210	0.0022	04.17	-00.01	0.0032	0.0029	0.0023	180.0	-0.0033
093	0.447	0.499	03.13	0.4715	-0.0693	0.0491	-0.4736	-0.0210	0.2221	0.0022	03.13	-00.01	0.0024	0.0024	0.0020	180.0	-0.0028
094	0.449	0.501	01.06	0.2767	-0.0403	0.0382	-0.2775	-0.0309	0.0765	0.0021	01.06	-00.01	0.0036	0.0025	0.0013	180.0	-0.0037
095	0.450	0.500	-01.01	0.0731	-0.0497	0.0340	-0.0726	-0.0333	0.0052	0.0021	-01.01	-00.01	0.0044	0.0025	0.0013	180.0	-0.0045
096	0.450	0.500	-03.08	-0.1290	-0.0374	0.0362	0.1306	-0.0274	0.0165	0.0019	-03.08	-00.01	0.0056	0.0026	0.0013	180.0	-0.0057

TABLE 3(H)
FLARE PACK ON
ETA = -15° ETA(T) = +1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
002	0.455	0.900	06.53	0.7227	0.0752	0.1483	-0.7349	-0.0635	0.5222	0.0016	06.53	-00.03	-0.0371	-0.0004	-0.0017	179.9	0.0371
003	0.455	0.900	04.46	0.5662	0.1043	0.1097	-0.5732	-0.0640	0.3204	0.0014	04.46	-00.03	-0.0293	0.0002	0.0002	180.0	0.0293
004	0.455	0.900	02.36	0.3709	0.1346	0.0809	-0.3740	-0.0644	0.1374	0.0011	02.36	-00.03	-0.0179	0.0011	0.0018	180.0	0.0178
005	0.455	0.901	00.25	0.1234	0.1765	0.0662	-0.1238	-0.0648	0.0151	0.0009	00.25	-00.02	-0.0066	0.0016	0.0017	180.0	0.0065
006	0.449	0.880	06.52	0.7168	0.0873	0.1422	-0.7284	-0.0583	0.5137	0.0015	06.52	-00.04	-0.0370	0.0001	-0.0016	179.9	0.0370
007	0.449	0.878	04.46	0.5641	0.1228	0.1022	-0.5704	-0.0568	0.3180	0.0012	04.46	-00.03	-0.0289	0.0003	0.0001	180.0	0.0289
008	0.450	0.879	02.38	0.3839	0.1525	0.0751	-0.3868	-0.0582	0.1472	0.0009	02.38	-00.02	-0.0183	0.0011	0.0019	180.0	0.0183
009	0.449	0.881	00.27	0.1478	0.1875	0.0622	-0.1482	-0.0609	0.0218	0.0007	00.27	-00.02	-0.0073	0.0016	0.0020	180.0	0.0072
013	0.457	0.859	06.53	0.7142	0.0977	0.1344	-0.7250	-0.0509	0.5101	0.0013	06.53	-00.03	-0.0372	-0.0002	-0.0004	179.9	0.0372
014	0.455	0.858	04.48	0.5759	0.1360	0.0985	-0.5819	-0.0519	0.3314	0.0012	04.48	-00.03	-0.0303	0.0005	0.0004	180.0	0.0302
015	0.457	0.860	02.41	0.3979	0.1679	0.0735	-0.4007	-0.0559	0.1582	0.0009	02.41	-00.03	-0.0185	0.0013	0.0020	180.0	0.0184
016	0.457	0.861	00.28	0.1477	0.2008	0.0580	-0.1481	-0.0564	0.0217	0.0008	00.28	-00.02	-0.0072	0.0015	0.0021	180.0	0.0071
017	0.449	0.838	06.52	0.7116	0.1029	0.1278	-0.7216	-0.0449	0.5064	0.0012	06.52	-00.03	-0.0362	-0.0001	0.0003	180.0	0.0362
018	0.450	0.841	04.49	0.5851	0.1489	0.0954	-0.5909	-0.0481	0.3423	0.0011	04.49	-00.03	-0.0297	0.0006	0.0007	180.0	0.0296
019	0.450	0.839	02.42	0.4034	0.1857	0.0689	-0.4060	-0.0510	0.1625	0.0009	02.42	-00.03	-0.0199	0.0019	0.0023	180.0	0.0198
020	0.450	0.839	00.28	0.1352	0.2114	0.0545	-0.1355	-0.0533	0.0182	0.0006	00.28	-00.02	-0.0070	0.0021	0.0019	180.0	0.0069
023	0.463	0.800	06.54	0.7140	0.1198	0.1246	-0.7236	-0.0412	0.5097	0.0012	06.54	-00.03	-0.0358	0.0004	0.0017	180.0	0.0358
024	0.465	0.798	04.54	0.6119	0.1929	0.0896	-0.6172	-0.0400	0.3744	0.0009	04.54	-00.03	-0.0309	0.0011	0.0015	180.0	0.0308
025	0.467	0.800	02.42	0.3815	0.2079	0.0614	-0.3839	-0.0445	0.1454	0.0007	02.42	-00.03	-0.0196	0.0016	0.0023	180.0	0.0195
026	0.467	0.800	00.27	0.1154	0.2172	0.0523	-0.1158	-0.0513	0.0132	0.0006	00.27	-00.02	-0.0056	0.0019	0.0019	180.0	0.0055
027	0.445	0.750	06.52	0.7121	0.1501	0.1183	-0.7210	-0.0357	0.5070	0.0010	06.52	-00.03	-0.0329	0.0013	0.0032	180.0	0.0329
028	0.445	0.751	04.50	0.5878	0.2112	0.0794	-0.5924	-0.0320	0.3454	0.0010	04.50	-00.03	-0.0287	0.0017	0.0022	180.0	0.0286
029	0.445	0.751	02.37	0.3408	0.2144	0.0570	-0.3430	-0.0422	0.1161	0.0007	02.37	-00.03	-0.0171	0.0018	0.0021	180.0	0.0171
030	0.445	0.750	00.25	0.0994	0.2229	0.0501	-0.0997	-0.0491	0.0098	0.0006	00.25	-00.02	-0.0047	0.0019	0.0018	180.0	0.0046
031	0.426	0.699	06.48	0.6951	0.1738	0.1109	-0.7033	-0.0306	0.4831	0.0011	06.48	-00.03	-0.0322	0.0019	0.0039	180.0	0.0322
032	0.426	0.702	04.44	0.5381	0.2182	0.0719	-0.5422	-0.0289	0.2894	0.0011	04.44	-00.03	-0.0257	0.0021	0.0029	180.0	0.0257
033	0.422	0.700	02.32	0.3110	0.2204	0.0549	-0.3131	-0.0416	0.0966	0.0007	02.32	-00.02	-0.0149	0.0020	0.0022	180.0	0.0148
034	0.422	0.700	00.22	0.0823	0.2288	0.0496	-0.0826	-0.0487	0.0067	0.0007	00.22	-00.02	-0.0042	0.0022	0.0018	180.0	0.0041
037	0.440	0.501	06.35	0.6301	0.1896	0.0939	-0.6367	-0.0222	0.3969	0.0014	06.35	-00.03	-0.0307	0.0021	0.0020	180.0	0.0307
038	0.440	0.501	04.29	0.4468	0.2077	0.0629	-0.4504	-0.0201	0.1995	0.0012	04.29	-00.02	-0.0214	0.0022	0.0029	180.0	0.0214
039	0.437	0.499	02.22	0.2506	0.2167	0.0505	-0.2605	-0.0394	0.0668	0.0018	02.22	-00.02	-0.0120	0.0023	0.0023	180.0	0.0119
040	0.440	0.501	00.16	0.0878	0.2278	0.0471	-0.0801	-0.0460	0.0033	0.0009	00.16	-00.01	-0.0024	0.0020	0.0019	180.0	0.0023

TABLE 3(I)
FLARE PACK ON
ETA = -10° ETA(T) = +1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	MINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
002	0.457	0.900	06.47	0.7528	-0.0023	0.1450	-0.7645	-0.0573	0.5667	0.0019	06.47	00.00	-0.0053	-0.0015	-0.0012	179.9	0.0051
003	0.455	0.898	04.41	0.5892	0.0406	0.1028	-0.5955	-0.0556	0.3471	0.0016	04.41	00.00	-0.0035	-0.0012	0.0003	180.0	0.0034
004	0.457	0.901	02.31	0.3914	0.0643	0.0757	-0.3943	-0.0584	0.1531	0.0015	02.31	00.00	-0.0016	-0.0006	0.0016	180.0	0.0015
005	0.457	0.900	00.19	0.1447	0.0991	0.0596	-0.1450	-0.0579	0.0208	0.0013	00.19	00.00	-0.0010	-0.0004	0.0015	180.0	0.0009
006	0.450	0.880	06.47	0.7468	0.0084	0.1384	-0.7578	-0.0516	0.5577	0.0017	06.47	00.00	-0.0050	-0.0014	-0.0011	179.9	0.0049
007	0.450	0.880	04.41	0.5898	0.0546	0.0993	-0.5958	-0.0518	0.3478	0.0017	04.41	00.00	-0.0048	-0.0010	0.0001	180.0	0.0047
008	0.453	0.880	02.33	0.4040	0.0816	0.0712	-0.4067	-0.0533	0.1631	0.0014	02.33	00.00	-0.0007	-0.0004	0.0016	180.0	0.0006
009	0.450	0.879	00.21	0.1702	0.1133	0.0541	-0.1705	-0.0524	0.0289	0.0011	00.21	00.00	-0.0006	-0.0003	0.0016	180.0	0.0005
012	0.460	0.861	06.48	0.7503	0.0182	0.1337	-0.7607	-0.0465	0.5629	0.0017	06.48	00.00	-0.0047	-0.0013	-0.0003	179.9	0.0046
013	0.457	0.859	04.43	0.5997	0.0667	0.0927	-0.6052	-0.0445	0.3595	0.0016	04.43	00.00	-0.0043	-0.0011	0.0005	180.0	0.0042
014	0.460	0.861	02.35	0.4194	0.0964	0.0664	-0.4219	-0.0478	0.1757	0.0014	02.35	00.00	-0.0013	-0.0006	0.0018	180.0	0.0012
015	0.457	0.860	00.23	0.1744	0.1279	0.0498	-0.1747	-0.0480	0.0304	0.0011	00.23	00.00	-0.0006	-0.0004	0.0017	180.0	0.0005
016	0.450	0.840	06.49	0.7350	0.0503	0.1262	-0.7447	-0.0408	0.5402	0.0015	06.49	00.00	-0.0047	-0.0010	0.0007	180.0	0.0046
017	0.450	0.839	04.44	0.6125	0.0779	0.0908	-0.6178	-0.0417	0.3750	0.0014	04.44	00.00	-0.0043	-0.0012	0.0006	180.0	0.0042
018	0.450	0.839	02.36	0.4293	0.1137	0.0628	-0.4316	-0.0438	0.1841	0.0012	02.36	00.00	-0.0017	-0.0002	0.0020	180.0	0.0016
019	0.453	0.840	00.23	0.1609	0.1390	0.0476	-0.1612	-0.0460	0.0258	0.0010	00.23	00.00	-0.0003	-0.0001	0.0017	180.0	0.0002
022	0.467	0.798	06.48	0.7520	0.0346	0.1215	-0.7610	-0.0343	0.5654	0.0015	06.48	00.00	-0.0038	-0.0010	0.0019	180.0	0.0037
023	0.467	0.800	04.48	0.6407	0.1050	0.0831	-0.6453	-0.0313	0.4104	0.0015	04.48	00.00	-0.0034	-0.0009	0.0013	180.0	0.0033
024	0.467	0.800	02.37	0.4084	0.1345	0.0547	-0.4105	-0.0366	0.1667	0.0012	02.37	00.00	-0.0015	-0.0002	0.0021	180.0	0.0014
025	0.467	0.800	00.22	0.1425	0.1431	0.0451	-0.1428	-0.0436	0.0202	0.0010	00.22	00.00	-0.0008	-0.0004	0.0017	180.0	0.0007
026	0.449	0.749	06.46	0.7495	0.0627	0.1137	-0.7576	-0.0272	0.5617	0.0014	06.46	00.00	-0.0019	-0.0006	0.0035	180.0	0.0018
027	0.450	0.753	04.45	0.6227	0.1287	0.0751	-0.6268	-0.0251	0.3877	0.0014	04.45	00.00	-0.0031	-0.0007	0.0020	180.0	0.0030
028	0.449	0.750	02.32	0.3716	0.1345	0.0510	-0.3735	-0.0348	0.1380	0.0012	02.32	-00.01	-0.0017	-0.0001	0.0020	180.0	0.0016
029	0.449	0.749	00.19	0.1273	0.1421	0.0440	-0.1275	-0.0427	0.0161	0.0010	00.19	00.00	-0.0001	-0.0002	0.0015	180.0	0.0000
030	0.426	0.700	06.42	0.7351	0.0807	0.1072	-0.7426	-0.0228	0.5403	0.0015	06.42	00.00	-0.0016	-0.0001	0.0043	180.0	0.0015
031	0.426	0.700	04.38	0.5745	0.1264	0.0671	-0.5780	-0.0217	0.3298	0.0014	04.38	00.00	-0.0025	-0.0003	0.0029	180.0	0.0024
032	0.426	0.700	02.27	0.3452	0.1304	0.0494	-0.3470	-0.0345	0.1191	0.0011	02.27	00.00	-0.0013	-0.0003	0.0019	180.0	0.0012
033	0.426	0.700	00.16	0.1177	0.1401	0.0421	-0.1179	-0.0408	0.0138	0.0010	00.16	-00.01	-0.0002	0.0001	0.0016	180.0	0.0001
036	0.440	0.501	06.31	0.6710	0.0967	0.0906	-0.6770	-0.0147	0.4501	0.0016	06.31	-00.01	-0.0030	0.0000	0.0023	180.0	0.0030
037	0.440	0.501	04.25	0.4886	0.1125	0.0588	-0.4917	-0.0208	0.2386	0.0017	04.25	-00.01	-0.0018	0.0002	0.0028	180.0	0.0017
038	0.440	0.499	02.18	0.2979	0.1213	0.0450	-0.2995	-0.0323	0.0886	0.0014	02.18	00.00	-0.0012	-0.0004	0.0021	180.0	0.0011
039	0.444	0.501	00.11	0.0955	0.1325	0.0402	-0.0957	-0.0387	0.0090	0.0013	00.11	00.00	0.0001	-0.0001	0.0018	180.0	-0.0002

TABLE 3(J)
FLARE PACK OK
ETA = -5° ETA(T) = +1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	MINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
002	0.449	0.900	06.41	0.7750	-0.0676	0.1430	-0.7962	-0.0534	0.6006	0.0024	06.41	(0.00	-0.0051	-0.0014	-0.0013	179.9	0.0050
003	0.447	0.901	04.34	0.6160	-0.0375	0.1011	-0.6220	-0.0520	0.3794	0.0021	04.34	(0.00	-0.0037	-0.0010	0.0004	180.0	0.0036
004	0.447	0.900	02.24	0.4159	-0.0126	0.0705	-0.4184	-0.0522	0.1728	0.0019	02.24	(0.00	-0.0013	-0.0005	0.0016	180.0	0.0012
005	0.449	0.902	00.12	0.1657	0.0169	0.0534	-0.1659	-0.0513	0.0273	0.0018	00.12	(0.00	-0.0004	-0.0002	0.0015	180.0	0.0003
006	0.442	0.881	06.42	0.7695	-0.0558	0.1375	-0.7902	-0.0486	0.5921	0.0020	06.42	(0.00	-0.0040	-0.0014	-0.0007	179.9	0.0039
007	0.442	0.881	04.35	0.6128	-0.0192	0.0957	-0.6184	-0.0469	0.3754	0.0021	04.35	(0.00	-0.0038	-0.0010	0.0003	180.0	0.0037
008	0.442	0.880	02.26	0.4282	0.0042	0.0670	-0.4306	-0.0483	0.1832	0.0018	02.26	(0.00	-0.0010	-0.0002	0.0017	180.0	0.0009
009	0.442	0.880	00.14	0.1938	0.0311	0.0492	-0.1940	-0.0472	0.0375	0.0015	00.14	(0.00	-0.0002	-0.0001	0.0017	180.0	0.0001
012	0.450	0.858	06.43	0.7724	-0.0439	0.1322	-0.7825	-0.0430	0.5965	0.0018	06.43	(0.00	-0.0045	-0.0012	-0.0005	179.9	0.0044
013	0.449	0.860	04.37	0.6234	-0.0062	0.0904	-0.6286	-0.0407	0.3886	0.0019	04.37	(0.00	-0.0035	-0.0009	0.0006	180.0	0.0034
014	0.449	0.860	02.29	0.4467	0.0199	0.0622	-0.4490	-0.0425	0.1994	0.0018	02.29	-(0.01	-0.0014	0.0000	0.0018	180.0	0.0013
015	0.452	0.859	00.16	0.1940	0.0491	0.0469	-0.1943	-0.0450	0.0375	0.0014	00.16	-(0.01	-0.0004	0.0000	0.0017	180.0	0.0003
016	0.445	0.841	06.44	0.7637	-0.0148	0.1275	-0.7733	-0.0391	0.5831	0.0018	06.44	(0.00	-0.0037	-0.0012	0.0003	180.0	0.0036
017	0.445	0.840	04.38	0.6368	0.0048	0.0879	-0.6418	-0.0370	0.4054	0.0019	04.38	(0.00	-0.0041	-0.0011	0.0007	180.0	0.0040
018	0.445	0.840	02.30	0.4524	0.0358	0.0581	-0.4545	-0.0383	0.2045	0.0017	02.30	-(0.01	-0.0019	-0.0002	0.0020	180.0	0.0018
019	0.445	0.840	00.16	0.1846	0.0589	0.0430	-0.1848	-0.0410	0.0339	0.0015	00.16	-(0.01	-0.0011	-0.0001	0.0016	180.0	0.0010
022	0.462	0.801	06.44	0.7710	-0.0253	0.1204	-0.7798	-0.0315	0.5944	0.0017	06.44	(0.00	-0.0045	-0.0010	0.0020	180.0	0.0044
023	0.462	0.802	04.43	0.6639	0.0306	0.0800	-0.6682	-0.0266	0.4407	0.0019	04.43	(0.00	-0.0029	-0.0008	0.0015	180.0	0.0028
024	0.462	0.801	02.31	0.4322	0.0568	0.0514	-0.4340	-0.0324	0.1866	0.0016	02.31	(0.00	-0.0007	-0.0001	0.0021	180.0	0.0006
025	0.462	0.798	00.16	0.1658	0.0646	0.0416	-0.1660	-0.0399	0.0273	0.0012	00.16	-(0.01	-0.0015	-0.0002	0.0017	180.0	0.0014
026	0.440	0.749	06.42	0.7697	0.0000	0.1128	-0.7776	-0.0242	0.5923	0.0018	06.42	(0.00	-0.0021	-0.0005	0.0041	180.0	0.0020
027	0.442	0.750	04.40	0.6419	0.0554	0.0704	-0.6456	-0.0192	0.4120	0.0018	04.40	(0.00	-0.0028	-0.0006	0.0021	180.0	0.0027
028	0.442	0.751	02.26	0.3951	0.0587	0.0480	-0.3968	-0.0308	0.1560	0.0016	02.26	(0.00	-0.0008	-0.0005	0.0020	180.0	0.0007
029	0.442	0.750	00.14	0.1516	0.0651	0.0394	-0.1518	-0.0377	0.0229	0.0014	00.14	-(0.01	-0.0013	-0.0002	0.0017	180.0	0.0012
030	0.419	0.700	06.39	0.7606	0.0148	0.1052	-0.7677	-0.0183	0.5784	0.0016	06.39	(0.00	-0.0010	0.0000	0.0045	180.0	0.0009
031	0.419	0.701	04.34	0.6007	0.0544	0.0659	-0.6040	-0.0185	0.3606	0.0018	04.34	(0.00	-0.0015	0.0000	0.0028	180.0	0.0014
032	0.419	0.701	02.22	0.3716	0.0569	0.0459	-0.3732	-0.0299	0.1379	0.0016	02.22	(0.00	-0.0008	-0.0001	0.0019	180.0	0.0007
033	0.419	0.699	00.12	0.1419	0.0650	0.0303	-0.1421	-0.0368	0.0201	0.0013	00.12	(0.00	-0.0002	-0.0001	0.0016	180.0	0.0001
036	0.437	0.502	06.28	0.6961	0.0329	0.0900	-0.7019	-0.0110	0.4844	0.0022	06.28	-(0.01	-0.0025	0.0001	0.0023	180.0	0.0024
037	0.437	0.500	04.22	0.5172	0.0462	0.0574	-0.5201	-0.0172	0.2673	0.0020	04.22	-(0.01	-0.0014	0.0002	0.0028	180.0	0.0013
038	0.437	0.501	02.15	0.3233	0.0529	0.0427	-0.3248	-0.0207	0.1044	0.0018	02.15	-(0.01	-0.0008	0.0000	0.0021	180.0	0.0007
039	0.437	0.501	00.08	0.1235	0.0634	0.0369	-0.1237	-0.0351	0.0151	0.0018	00.08	(0.00	-0.0004	-0.0003	0.0018	180.0	0.0003

TABLE 3(K)
FLARE PACK ON
ETA = 0° ETA(T) = +1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	BINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
002	0.439	0.900	07.41	0.8590	-0.1195	0.1692	-0.8738	-0.0546	0.7378	0.0024	07.41	00.00	-0.0046	-0.0010	-0.0002	179.9	0.0045
003	0.437	0.897	06.89	0.8254	-0.1206	0.1541	-0.8300	-0.0519	0.6811	0.0021	06.89	00.00	-0.0040	-0.0010	-0.0006	179.9	0.0039
004	0.435	0.898	06.37	0.7898	-0.1211	0.1414	-0.8007	-0.0507	0.6237	0.0022	06.37	00.00	-0.0030	-0.0011	-0.0009	179.9	0.0029
005	0.435	0.900	05.84	0.7540	-0.1215	0.1299	-0.7634	-0.0501	0.5684	0.0023	05.84	00.00	-0.0047	-0.0016	-0.0005	179.9	0.0046
006	0.439	0.901	05.33	0.7158	-0.1151	0.1206	-0.7240	-0.0512	0.5123	0.0024	05.33	00.00	-0.0041	-0.0014	-0.0008	179.9	0.0040
007	0.439	0.902	04.29	0.6365	-0.1060	0.0998	-0.6423	-0.0497	0.4050	0.0022	04.29	00.00	-0.0038	-0.0012	0.0003	180.0	0.0037
008	0.435	0.900	03.24	0.5444	-0.0940	0.0832	-0.5483	-0.0502	0.2962	0.0021	03.24	00.00	-0.0029	-0.0009	0.0011	180.0	0.0028
009	0.439	0.901	01.12	0.3197	-0.0741	0.0607	-0.3209	-0.0525	0.1020	0.0020	01.12	00.00	-0.0019	-0.0004	0.0014	180.0	0.0018
010	0.435	0.899	-01.01	0.0540	-0.0361	0.0482	-0.0532	-0.0474	0.0028	0.0018	-01.01	00.00	-0.0006	-0.0005	0.0017	180.0	0.0005
011	0.439	0.902	-03.15	-0.2523	0.0161	0.0585	0.2550	-0.0430	0.0635	0.0017	-03.15	00.00	0.0021	-0.0002	0.0020	180.0	-0.0022
014	0.445	0.879	07.44	0.8319	-0.0735	0.1577	-0.8454	-0.0466	0.6920	0.0020	07.44	00.00	-0.0038	-0.0014	0.0013	180.0	0.0037
015	0.445	0.881	06.90	0.8206	-0.1112	0.1490	-0.8327	-0.0472	0.6732	0.0021	06.90	00.00	-0.0047	-0.0011	-0.0005	179.9	0.0046
016	0.445	0.881	06.38	0.7891	-0.1126	0.1362	-0.7995	-0.0454	0.6226	0.0023	06.38	00.00	-0.0051	-0.0015	-0.0007	179.9	0.0050
017	0.442	0.880	05.86	0.7522	-0.1065	0.1240	-0.7611	-0.0444	0.5658	0.0024	05.86	00.00	-0.0037	-0.0012	-0.0004	179.9	0.0036
018	0.442	0.880	05.34	0.7137	-0.1010	0.1131	-0.7213	-0.0441	0.5094	0.0024	05.34	00.00	-0.0044	-0.0014	-0.0002	179.9	0.0043
019	0.445	0.881	04.31	0.6379	-0.0867	0.0947	-0.6433	-0.0443	0.4068	0.0024	04.31	00.00	-0.0038	-0.0013	0.0003	180.0	0.0037
020	0.442	0.879	03.26	0.5502	-0.0739	0.0776	-0.5538	-0.0443	0.3026	0.0019	03.26	00.00	-0.0023	-0.0009	0.0012	180.0	0.0022
021	0.442	0.879	01.15	0.3440	-0.0550	0.0544	-0.3451	-0.0487	0.1182	0.0018	01.15	00.00	-0.0019	-0.0004	0.0016	180.0	0.0018
022	0.445	0.880	-00.99	0.0724	-0.0266	0.0427	-0.0717	-0.0424	0.0051	0.0016	-00.99	00.00	-0.0006	-0.0003	0.0018	180.0	0.0005
023	0.445	0.880	-03.15	-0.2462	0.0120	0.0506	0.2485	-0.0356	0.0605	0.0015	-03.15	00.00	0.0028	-0.0001	0.0017	180.0	-0.0029
026	0.444	0.860	07.39	0.8141	-0.1078	0.1529	-0.8271	-0.0448	0.6627	0.0020	07.39	00.00	-0.0043	-0.0016	0.0043	180.0	0.0042
027	0.447	0.861	06.92	0.8079	-0.0773	0.1430	-0.8194	-0.0424	0.6527	0.0022	06.92	00.00	-0.0052	-0.0014	0.0009	180.0	0.0051
028	0.444	0.860	06.39	0.7931	-0.1021	0.1334	-0.8032	-0.0423	0.6290	0.0024	06.39	00.00	-0.0043	-0.0013	-0.0004	179.9	0.0042
029	0.447	0.861	05.87	0.7607	-0.0976	0.1205	-0.7692	-0.0400	0.5786	0.0020	05.87	00.00	-0.0048	-0.0014	-0.0004	179.9	0.0047
030	0.444	0.861	05.36	0.7207	-0.0883	0.1099	-0.7280	-0.0399	0.5194	0.0022	05.36	00.00	-0.0037	-0.0012	0.0001	180.0	0.0036
031	0.444	0.860	04.32	0.6477	-0.0720	0.0910	-0.6528	-0.0398	0.4193	0.0020	04.32	00.00	-0.0037	-0.0011	0.0004	180.0	0.0036
032	0.444	0.860	03.28	0.5627	-0.0595	0.0747	-0.5662	-0.0404	0.3164	0.0019	03.28	00.00	-0.0025	-0.0010	0.0012	180.0	0.0024
033	0.444	0.861	01.17	0.3535	-0.0400	0.0517	-0.3546	-0.0426	0.1249	0.0018	01.17	00.00	-0.0009	-0.0005	0.0017	180.0	0.0008
034	0.447	0.862	-00.98	0.0705	-0.0151	0.0409	-0.0699	-0.0405	0.0049	0.0017	-00.98	00.00	-0.0011	-0.0004	0.0017	180.0	0.0010
035	0.444	0.860	-03.14	-0.2339	0.0074	0.0470	0.2360	-0.0326	0.0546	0.0015	-03.14	00.00	0.0013	-0.0001	0.0018	180.0	-0.0014
038	0.440	0.839	07.39	0.8169	-0.1092	0.1487	-0.8293	-0.0405	0.6671	0.0020	07.39	00.00	-0.0038	-0.0011	0.0035	180.0	0.0037
039	0.442	0.841	06.90	0.7978	-0.0809	0.1375	-0.8087	-0.0387	0.6365	0.0019	06.90	00.00	-0.0043	-0.0010	0.0025	180.0	0.0042
040	0.440	0.840	06.38	0.7876	-0.0925	0.1264	-0.7969	-0.0361	0.6202	0.0019	06.38	00.00	-0.0031	-0.0009	0.0008	180.0	0.0030
041	0.442	0.841	05.88	0.7714	-0.0875	0.1170	-0.7795	-0.0353	0.5950	0.0020	05.88	00.00	-0.0045	-0.0013	-0.0002	179.9	0.0043
042	0.442	0.840	05.37	0.7363	-0.0770	0.1053	-0.7431	-0.0340	0.5421	0.0019	05.37	00.00	-0.0040	-0.0013	0.0004	180.0	0.0039
043	0.442	0.840	04.34	0.6611	-0.0594	0.0867	-0.6658	-0.0345	0.4369	0.0020	04.34	00.00	-0.0043	-0.0011	0.0007	180.0	0.0042

TABLE 3(K)
FLARE PACK ON
ETA = 0° ETA(T) = +1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
044	0.440	0.839	03.30	0.5778	-0.0450	0.0700	-0.5810	-0.0347	0.3337	0.0018	03.30	(0.00	-0.0024	-0.0009	0.0014	180.0	0.0023
045	0.442	0.841	01.18	0.3487	-0.0245	0.0481	-0.3497	-0.0393	0.1215	0.0016	01.18	(0.00	-0.0011	-0.0002	0.0018	180.0	0.0010
046	0.442	0.839	-00.97	0.0638	-0.0072	0.0373	-0.0633	-0.0370	0.0039	0.0014	-00.97	(0.00	0.0001	-0.0003	0.0016	180.0	-0.0002
047	0.442	0.839	-03.13	-0.2188	0.0048	0.0430	0.2207	-0.0297	0.0478	0.0013	-03.13	(0.00	0.0011	-0.0004	0.0019	180.0	-0.0012
051	0.447	0.799	07.39	0.8161	-0.0907	0.1416	-0.8276	-0.0337	0.6658	0.0017	07.39	(0.00	-0.0035	-0.0011	0.0022	180.0	0.0034
052	0.447	0.799	06.89	0.8070	-0.0892	0.1309	-0.8170	-0.0313	0.6512	0.0019	06.89	(0.00	-0.0032	-0.0011	0.0027	180.0	0.0030
053	0.447	0.798	06.39	0.7874	-0.0757	0.1200	-0.7959	-0.0299	0.6199	0.0017	06.39	(0.00	-0.0036	-0.0012	0.0026	180.0	0.0035
054	0.447	0.799	05.91	0.7669	-0.0375	0.1101	-0.7743	-0.0288	0.5880	0.0018	05.91	(0.00	-0.0035	-0.0011	0.0017	180.0	0.0034
055	0.450	0.799	05.39	0.7595	-0.0537	0.0985	-0.7655	-0.0251	0.5768	0.0016	05.39	(0.00	-0.0046	-0.0012	0.0008	180.0	0.0045
056	0.450	0.799	04.37	0.6889	-0.0325	0.0796	-0.6930	-0.0251	0.4744	0.0018	04.37	(0.00	-0.0035	-0.0009	0.0014	180.0	0.0034
057	0.450	0.799	03.32	0.5808	-0.0182	0.0615	-0.5834	-0.0259	0.3372	0.0018	03.32	(0.00	-0.0026	-0.0012	0.0024	180.0	0.0025
058	0.450	0.802	01.17	0.3206	-0.0096	0.0438	-0.3216	-0.0357	0.1027	0.0016	01.17	(0.00	-0.0007	-0.0002	0.0018	180.0	0.0006
059	0.450	0.801	-00.97	0.0574	-0.0017	0.0370	-0.0569	-0.0366	0.0031	0.0014	-00.97	(0.00	0.0004	-0.0003	0.0018	180.0	-0.0005
060	0.450	0.800	-03.12	-0.2022	0.0076	0.0403	0.2040	-0.0282	0.0408	0.0011	-03.12	(0.00	0.0014	-0.0003	0.0021	180.0	-0.0015
063	0.449	0.750	07.39	0.8144	-0.0699	0.1353	-0.8252	-0.0277	0.6632	0.0017	07.39	(0.00	-0.0020	-0.0004	0.0032	180.0	0.0019
064	0.449	0.750	06.89	0.8027	-0.0572	0.1247	-0.8120	-0.0258	0.6443	0.0017	06.89	(0.00	-0.0028	-0.0007	0.0036	180.0	0.0027
065	0.449	0.749	06.40	0.7839	-0.0344	0.1139	-0.7918	-0.0239	0.6144	0.0018	06.40	(0.00	-0.0018	-0.0006	0.0042	180.0	0.0017
066	0.449	0.749	05.88	0.7718	-0.0452	0.1027	-0.7784	-0.0213	0.5957	0.0017	05.88	(0.00	-0.0015	-0.0007	0.0041	180.0	0.0014
067	0.449	0.751	05.39	0.7465	-0.0226	0.0922	-0.7520	-0.0197	0.5573	0.0019	05.39	(0.00	-0.0019	-0.0008	0.0029	180.0	0.0018
068	0.445	0.748	04.35	0.6639	-0.0099	0.0715	-0.6675	-0.0192	0.4406	0.0017	04.35	(0.00	-0.0023	-0.0007	0.0021	180.0	0.0022
069	0.449	0.750	03.29	0.5438	-0.0082	0.0573	-0.5463	-0.0244	0.2956	0.0016	03.29	(0.00	-0.0011	-0.0004	0.0023	180.0	0.0010
070	0.449	0.750	01.15	0.2978	-0.0073	0.0426	-0.2906	-0.0350	0.0885	0.0015	01.15	(0.00	-0.0005	-0.0004	0.0017	180.0	0.0004
071	0.449	0.751	-00.97	0.0544	0.0016	0.0385	-0.0539	-0.0381	0.0029	0.0013	-00.97	(0.00	-0.0011	-0.0006	0.0017	180.0	0.0010
072	0.449	0.749	-03.10	-0.1876	0.0125	0.0406	0.1894	-0.0294	0.0350	0.0011	-03.10	(0.00	0.0011	-0.0003	0.0021	180.0	-0.0012
075	0.440	0.701	07.38	0.8129	-0.0509	0.1329	-0.8233	-0.0256	0.6607	0.0017	07.38	(0.00	-0.0016	-0.0002	0.0039	180.0	0.0015
076	0.440	0.701	06.86	0.8064	-0.0581	0.1187	-0.8150	-0.0196	0.6502	0.0019	06.86	(0.00	-0.0027	-0.0002	0.0044	180.0	0.0026
077	0.440	0.701	06.36	0.7857	-0.0448	0.1061	-0.7927	-0.0165	0.6172	0.0018	06.36	(0.00	-0.0019	-0.0002	0.0048	180.0	0.0018
078	0.440	0.701	05.86	0.7582	-0.0312	0.0942	-0.7640	-0.0145	0.5748	0.0017	05.86	(0.00	-0.0019	-0.0003	0.0041	180.0	0.0018
079	0.440	0.701	05.35	0.7235	-0.0204	0.0831	-0.7282	-0.0134	0.5234	0.0018	05.35	(0.00	-0.0020	-0.0002	0.0031	180.0	0.0019
080	0.440	0.699	04.31	0.6234	-0.0099	0.0652	-0.6267	-0.0164	0.3886	0.0017	04.31	(0.00	-0.0026	-0.0002	0.0028	180.0	0.0025
081	0.437	0.699	03.25	0.5109	-0.0085	0.0526	-0.5132	-0.0220	0.2609	0.0016	03.25	(0.00	-0.0018	-0.0002	0.0027	180.0	0.0017
082	0.437	0.700	01.14	0.2828	-0.0060	0.0397	-0.2833	-0.0326	0.0797	0.0016	01.14	(0.00	-0.0010	-0.0004	0.0017	180.0	0.0009
083	0.437	0.700	-00.98	0.0518	0.0032	0.0365	-0.0509	-0.0362	0.0026	0.0018	-00.98	(0.00	0.0000	-0.0004	0.0018	180.0	-0.0001
084	0.440	0.701	-03.08	-0.1776	0.0152	0.0388	0.1793	-0.0280	0.0314	0.0012	-03.08	(0.00	0.0008	-0.0002	0.0020	180.0	-0.0009
087	0.440	0.498	07.26	0.7880	-0.0518	0.1198	-0.7970	-0.0173	0.6210	0.0019	07.26	-(0.01	-0.0030	0.0001	0.0027	180.0	0.0029
088	0.440	0.501	06.77	0.7597	-0.0368	0.1037	-0.7668	-0.0116	0.5771	0.0019	06.77	-(0.01	-0.0035	0.0001	0.0024	180.0	0.0034
089	0.437	0.498	06.26	0.7213	-0.0254	0.0903	-0.7270	-0.0094	0.5202	0.0018	06.26	-(0.01	-0.0031	0.0000	0.0023	180.0	0.0030

TABLE 3(K)
FLARE PACK ON
ETA = 0°ETA(T) = +1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
090	0.440	0.500	05.74	0.6791	-0.0210	0.0794	-0.6837	-0.0091	0.4610	0.0020	05.74	-00.01	-0.0027	0.0001	0.0022	180.0	0.0026
091	0.440	0.500	05.23	0.6342	-0.0177	0.0707	-0.6382	-0.0105	0.4021	0.0021	05.23	-00.01	-0.0027	0.0001	0.0025	180.0	0.0026
092	0.437	0.499	04.19	0.5418	-0.0138	0.0572	-0.5447	-0.0155	0.2934	0.0019	04.19	-00.01	-0.0017	0.0001	0.0028	180.0	0.0016
093	0.440	0.502	03.16	0.4452	-0.0109	0.0481	-0.4473	-0.0215	0.1981	0.0019	03.16	-00.01	-0.0011	0.0000	0.0025	180.0	0.0010
094	0.440	0.500	01.09	0.2499	-0.0038	0.0374	-0.2507	-0.0310	0.0623	0.0017	01.09	00.00	-0.0008	-0.0002	0.0018	180.0	0.0007
095	0.440	0.501	-00.98	0.0455	0.0060	0.0345	-0.0451	-0.0337	0.0020	0.0016	-00.98	00.00	0.0003	-0.0001	0.0020	180.0	-0.0004
096	0.437	0.499	-03.05	-0.1561	0.0190	0.0374	0.1570	-0.0279	0.0243	0.0013	-03.05	00.00	0.0010	-0.0002	0.0022	180.0	-0.0011

TABLE 3(L)
FLARE PACK ON
ETA = +5° ETA(T) = +1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
002	0.444	0.901	06.36	0.7836	-0.1309	0.1414	-0.7946	-0.0512	0.6140	0.0025	06.36	-(0.01	0.0012	0.0014	-0.0010	179.9	-0.0012
003	0.442	0.899	04.25	0.6507	-0.1522	0.1000	-0.6564	-0.0492	0.4233	0.0022	04.25	-(0.01	0.0032	0.0021	0.0001	180.0	-0.0032
004	0.440	0.901	02.13	0.4616	-0.1550	0.0711	-0.4640	-0.0517	0.2129	0.0022	02.13	-(0.01	0.0039	0.0022	0.0011	180.0	-0.0040
005	0.442	0.899	00.00	0.2185	-0.1276	0.0511	-0.2186	-0.0490	0.0477	0.0021	00.00	-(0.01	0.0038	0.0022	0.0009	180.0	-0.0038
006	0.437	0.879	06.35	0.7934	-0.1379	0.1366	-0.8037	-0.0457	0.6293	0.0022	06.35	-(0.01	0.0010	0.0013	-0.0010	179.9	-0.0011
007	0.437	0.881	04.25	0.6599	-0.1524	0.0947	-0.6653	-0.0433	0.4354	0.0022	04.25	-(0.01	0.0008	0.0015	-0.0002	179.9	-0.0009
008	0.437	0.879	02.16	0.4782	-0.1339	0.0664	-0.4805	-0.0464	0.2285	0.0020	02.16	-(0.01	0.0036	0.0022	0.0012	180.0	-0.0037
009	0.437	0.878	00.04	0.2406	-0.1088	0.0472	-0.2407	-0.0450	0.0578	0.0021	00.04	-(0.02	0.0042	0.0027	0.0010	180.0	-0.0043
012	0.447	0.860	06.36	0.7997	-0.1317	0.1334	-0.8097	-0.0417	0.6393	0.0022	06.36	-(0.01	0.0014	0.0015	-0.0009	179.9	-0.0015
013	0.447	0.861	04.27	0.6702	-0.1385	0.0905	-0.6752	-0.0383	0.4490	0.0020	04.27	-(0.01	0.0011	0.0015	0.0000	180.0	-0.0012
014	0.444	0.859	02.18	0.4941	-0.1170	0.0620	-0.4962	-0.0411	0.2440	0.0020	02.18	-(0.01	0.0045	0.0024	0.0013	180.0	-0.0046
015	0.447	0.861	00.05	0.2399	-0.0928	0.0436	-0.2401	-0.0413	0.0575	0.0021	00.05	-(0.02	0.0044	0.0025	0.0011	180.0	-0.0044
016	0.440	0.840	06.38	0.8003	-0.1042	0.1274	-0.8096	-0.0357	0.6404	0.0020	06.38	-(0.01	0.0009	0.0011	-0.0004	179.9	0.0008
017	0.440	0.840	04.28	0.6850	-0.1272	0.0879	-0.6898	-0.0343	0.4691	0.0021	04.28	-(0.01	0.0014	0.0016	0.0001	180.0	-0.0015
018	0.440	0.839	02.20	0.4982	-0.0995	0.0575	-0.5002	-0.0365	0.2480	0.0019	02.20	-(0.01	0.0043	0.0024	0.0014	180.0	-0.0044
019	0.437	0.837	00.06	0.2251	-0.0780	0.0399	-0.2253	-0.0379	0.0506	0.0019	00.06	-(0.01	0.0038	0.0023	0.0010	180.0	-0.0039
022	0.455	0.801	06.38	0.7934	-0.0996	0.1195	-0.8018	-0.0284	0.6293	0.0022	06.38	-(0.01	0.0011	0.0016	0.0031	180.0	-0.0012
023	0.455	0.801	04.33	0.7129	-0.1014	0.0812	-0.7171	-0.0252	0.5082	0.0020	04.33	-(0.01	0.0013	0.0028	0.0009	180.0	-0.0014
024	0.455	0.800	02.21	0.4749	-0.0774	0.0510	-0.4767	-0.0308	0.2255	0.0020	02.21	-(0.01	0.0041	0.0024	0.0014	180.0	-0.0042
025	0.455	0.799	00.05	0.2106	-0.0709	0.0393	-0.2107	-0.0373	0.0442	0.0019	00.05	-(0.01	0.0044	0.0024	0.0011	180.0	-0.0045
026	0.437	0.750	06.34	0.8136	-0.1196	0.1141	-0.8213	-0.0216	0.6617	0.0020	06.34	-(0.01	0.0025	0.0019	0.0046	180.0	-0.0026
027	0.437	0.749	04.30	0.6861	-0.0758	0.0710	-0.6896	-0.0173	0.4706	0.0020	04.30	-(0.01	0.0021	0.0019	0.0016	180.0	-0.0022
028	0.437	0.750	02.17	0.4420	-0.0729	0.0488	-0.4437	-0.0100	0.1953	0.0020	02.17	-(0.01	0.0028	0.0019	0.0014	180.0	-0.0029
029	0.437	0.751	00.05	0.1964	-0.0660	0.0380	-0.1965	-0.0160	0.0384	0.0019	00.05	-(0.01	0.0039	0.0023	0.0010	180.0	-0.0040
030	0.414	0.697	06.31	0.8046	-0.1046	0.1074	-0.8116	-0.0166	0.6472	0.0017	06.31	-(0.01	0.0027	0.0022	0.0039	180.0	-0.0028
031	0.414	0.698	04.25	0.6447	-0.0747	0.0665	-0.6480	-0.0165	0.4155	0.0020	04.25	-(0.01	0.0028	0.0023	0.0022	180.0	-0.0029
032	0.416	0.701	02.15	0.4190	-0.0710	0.0462	-0.4205	-0.0285	0.1755	0.0019	02.15	-(0.01	0.0029	0.0020	0.0012	180.0	-0.0030
033	0.417	0.700	00.04	0.1893	-0.0630	0.0373	-0.1894	-0.0354	0.0358	0.0017	00.04	-(0.01	0.0042	0.0024	0.0010	180.0	-0.0043
038	0.437	0.500	06.23	0.7443	-0.0867	0.0923	-0.7500	-0.0089	0.5539	0.0020	06.23	-(0.01	0.0012	0.0023	0.0016	180.0	-0.0013
039	0.437	0.500	04.17	0.5620	-0.0738	0.0586	-0.5657	-0.0154	0.3166	0.0021	04.17	-(0.01	0.0028	0.0020	0.0022	180.0	-0.0029
040	0.437	0.500	02.10	0.3698	-0.0652	0.0423	-0.3709	-0.0269	0.1364	0.0018	02.10	-(0.01	0.0036	0.0019	0.0014	180.0	-0.0037
041	0.437	0.501	00.03	0.1705	-0.0560	0.0261	-0.1706	-0.0341	0.0289	0.0018	00.03	-(0.01	0.0041	0.0021	0.0010	180.0	-0.0042

TABLE 3(M)
FLARE PACK ON
ETA = +10° ETA(T) = +1/2°

SER	REYN.	MACH.	INCID.	LIFT.	PITCH.	DRAG	NORMAL	AXIAL.	CLSQ.	BASE.	AINC.	SLIP.	CROSS.	YAW M.	ROLL M	RANG.	SIDE F
002	0.457	0.902	06.35	0.7770	-0.1340	0.1480	-0.7895	-0.0505	0.6040	0.0026	06.35	-00.02	0.0023	0.0023	-0.0011	179.9	-0.0024
003	0.455	0.900	04.24	0.6467	-0.1623	0.1032	-0.6527	-0.0520	0.4182	0.0023	04.24	-00.01	0.0020	0.0017	0.0002	180.0	-0.0021
004	0.457	0.901	02.10	0.4737	-0.1975	0.0724	-0.4762	-0.0529	0.2243	0.0021	02.10	-00.01	0.0033	0.0020	0.0009	180.0	-0.0034
005	0.457	0.901	-00.04	0.2364	-0.1865	0.0532	-0.2364	-0.0513	0.0557	0.0021	-00.04	-00.01	0.0041	0.0022	0.0008	180.0	-0.0042
006	0.450	0.880	06.34	0.7854	-0.1444	0.1373	-0.7959	-0.0473	0.6167	0.0024	06.34	-00.02	0.0025	0.0021	-0.0010	179.9	-0.0025
007	0.450	0.881	04.24	0.6584	-0.1690	0.0972	-0.6639	-0.0462	0.4334	0.0021	04.24	-00.01	0.0027	0.0018	0.0000	180.0	-0.0028
008	0.450	0.880	02.11	0.4980	-0.1950	0.0688	-0.5003	-0.0484	0.2479	0.0020	02.11	-00.02	0.0060	0.0028	0.0011	180.0	-0.0061
009	0.450	0.879	-00.02	0.2646	-0.1794	0.0495	-0.2647	-0.0477	0.0699	0.0019	-00.02	-00.01	0.0051	0.0025	0.0009	180.0	-0.0052
012	0.460	0.861	06.35	0.7941	-0.1368	0.1348	-0.8043	-0.0437	0.6306	0.0024	06.35	-00.01	0.0007	0.0017	-0.0006	179.9	-0.0007
013	0.458	0.859	04.25	0.6729	-0.1606	0.0939	-0.6781	-0.0417	0.4527	0.0020	04.25	-00.01	0.0016	0.0017	0.0003	180.0	-0.0017
014	0.457	0.861	02.13	0.5145	-0.1853	0.0643	-0.5166	-0.0433	0.2645	0.0019	02.13	-00.02	0.0042	0.0025	0.0012	180.0	-0.0043
015	0.457	0.860	-00.01	0.2648	-0.1663	0.0455	-0.2649	-0.0437	0.0700	0.0019	-00.01	-00.02	0.0045	0.0027	0.0011	180.0	-0.0046
016	0.453	0.840	06.34	0.7890	-0.1360	0.1279	-0.7985	-0.0377	0.6225	0.0022	06.34	-00.01	-0.0001	0.0012	0.0009	180.0	0.0000
017	0.453	0.839	04.26	0.6947	-0.1636	0.0900	-0.6996	-0.0362	0.4825	0.0019	04.26	-00.01	0.0015	0.0015	0.0003	180.0	-0.0016
018	0.453	0.840	02.14	0.5261	-0.1769	0.0607	-0.5281	-0.0392	0.2766	0.0018	02.14	-00.02	0.0044	0.0026	0.0014	180.0	-0.0045
019	0.450	0.840	00.00	0.2525	-0.1539	0.0424	-0.2526	-0.0405	0.0637	0.0019	00.00	-00.02	0.0032	0.0028	0.0009	180.0	-0.0033
022	0.470	0.801	06.35	0.8068	-0.1421	0.1257	-0.8150	-0.0336	0.6507	0.0021	06.35	-00.01	-0.0001	0.0011	0.0017	180.0	0.0000
023	0.470	0.802	04.29	0.7305	-0.1555	0.0834	-0.7348	-0.0267	0.5335	0.0019	04.29	-00.01	0.0014	0.0017	0.0008	180.0	-0.0015
024	0.467	0.799	02.15	0.4999	-0.1542	0.0535	-0.5017	-0.0329	0.2498	0.0018	02.15	-00.02	0.0039	0.0025	0.0013	180.0	-0.0040
025	0.467	0.800	00.00	0.2382	-0.1469	0.0405	-0.2383	-0.0388	0.0567	0.0018	00.00	-00.02	0.0049	0.0031	0.0009	180.0	-0.0050
026	0.447	0.752	06.31	0.8314	-0.1651	0.1175	-0.8394	-0.0233	0.6911	0.0021	06.31	-00.01	0.0021	0.0018	0.0036	180.0	-0.0022
027	0.449	0.750	04.25	0.7158	-0.1532	0.0735	-0.7194	-0.0184	0.5123	0.0018	04.25	-00.01	0.0028	0.0024	0.0016	180.0	-0.0028
028	0.449	0.750	02.12	0.4673	-0.1484	0.0514	-0.4690	-0.0323	0.2182	0.0018	02.12	-00.01	0.0035	0.0025	0.0013	180.0	-0.0036
029	0.449	0.751	00.00	0.2255	-0.1406	0.0393	-0.2256	-0.0376	0.0508	0.0018	00.00	-00.01	0.0043	0.0025	0.0008	180.0	-0.0044
030	0.426	0.699	06.27	0.8322	-0.1722	0.1115	-0.8405	-0.0178	0.6941	0.0020	06.27	-00.01	0.0031	0.0023	0.0039	180.0	-0.0032
031	0.426	0.700	04.21	0.6744	-0.1503	0.0689	-0.6770	-0.0171	0.4547	0.0020	04.21	-00.01	0.0037	0.0027	0.0022	180.0	-0.0038
032	0.426	0.700	02.10	0.4462	-0.1449	0.0477	-0.4477	-0.0295	0.1989	0.0018	02.10	-00.01	0.0034	0.0023	0.0012	180.0	-0.0034
033	0.427	0.701	00.00	0.2181	-0.1353	0.0385	-0.2182	-0.0368	0.0474	0.0018	00.00	-00.01	0.0045	0.0026	0.0009	180.0	-0.0046
036	0.444	0.500	06.20	0.7725	-0.1564	0.0962	-0.7785	-0.0100	0.5967	0.0023	06.20	-00.01	0.0015	0.0025	0.0016	180.0	-0.0016
037	0.444	0.502	04.13	0.5905	-0.1436	0.0618	-0.5936	-0.0167	0.3486	0.0023	04.13	-00.01	0.0037	0.0027	0.0022	180.0	-0.0038
038	0.444	0.501	02.07	0.3985	-0.1339	0.0447	-0.3999	-0.0282	0.1586	0.0021	02.07	-00.01	0.0044	0.0025	0.0014	180.0	-0.0045
039	0.444	0.500	00.00	0.1987	-0.1234	0.0369	-0.1988	-0.0351	0.0394	0.0019	00.00	-00.01	0.0051	0.0027	0.0012	180.0	-0.0052

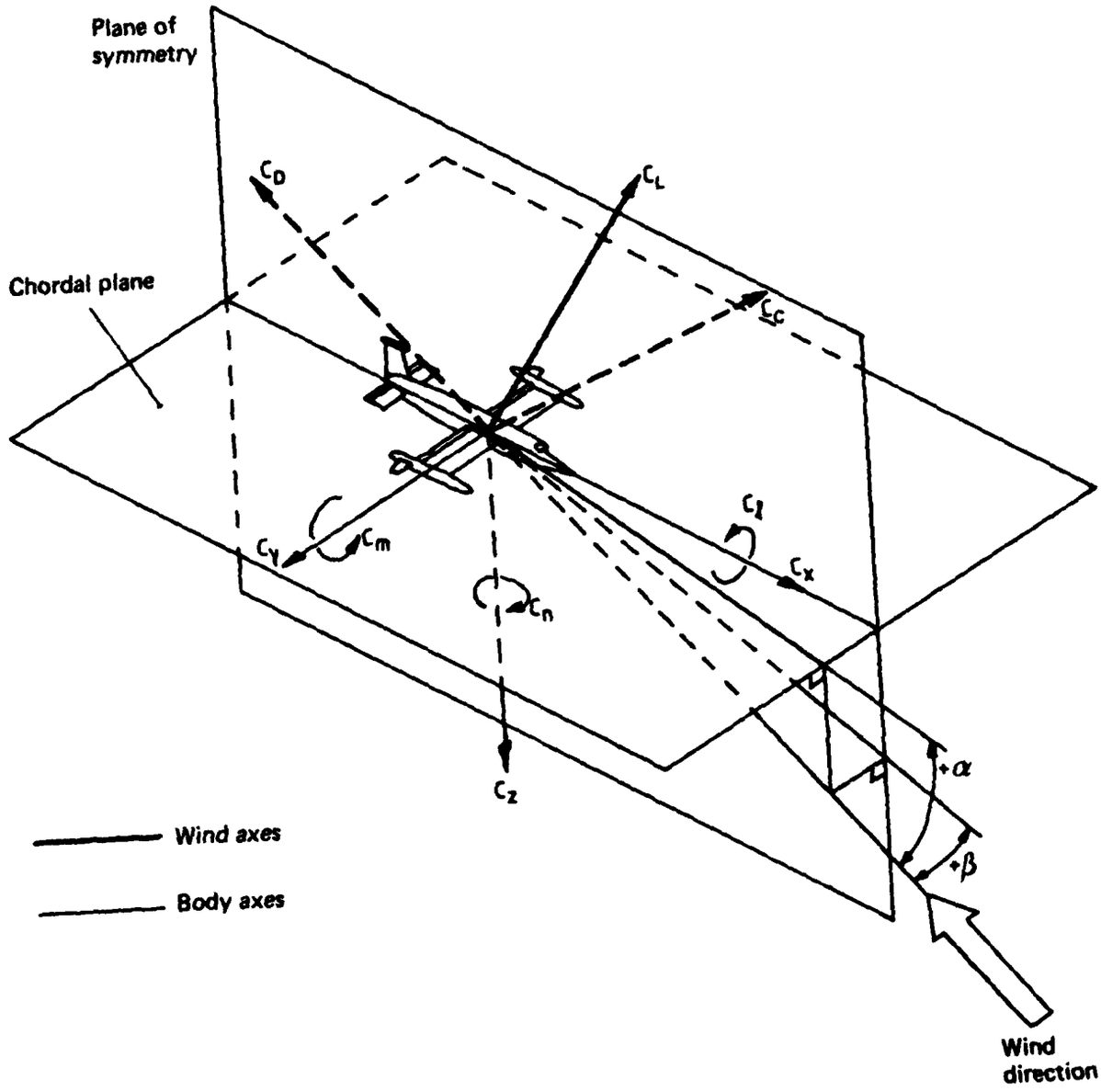


FIG. 1 FORCE AND MOMENT AXES SYSTEM

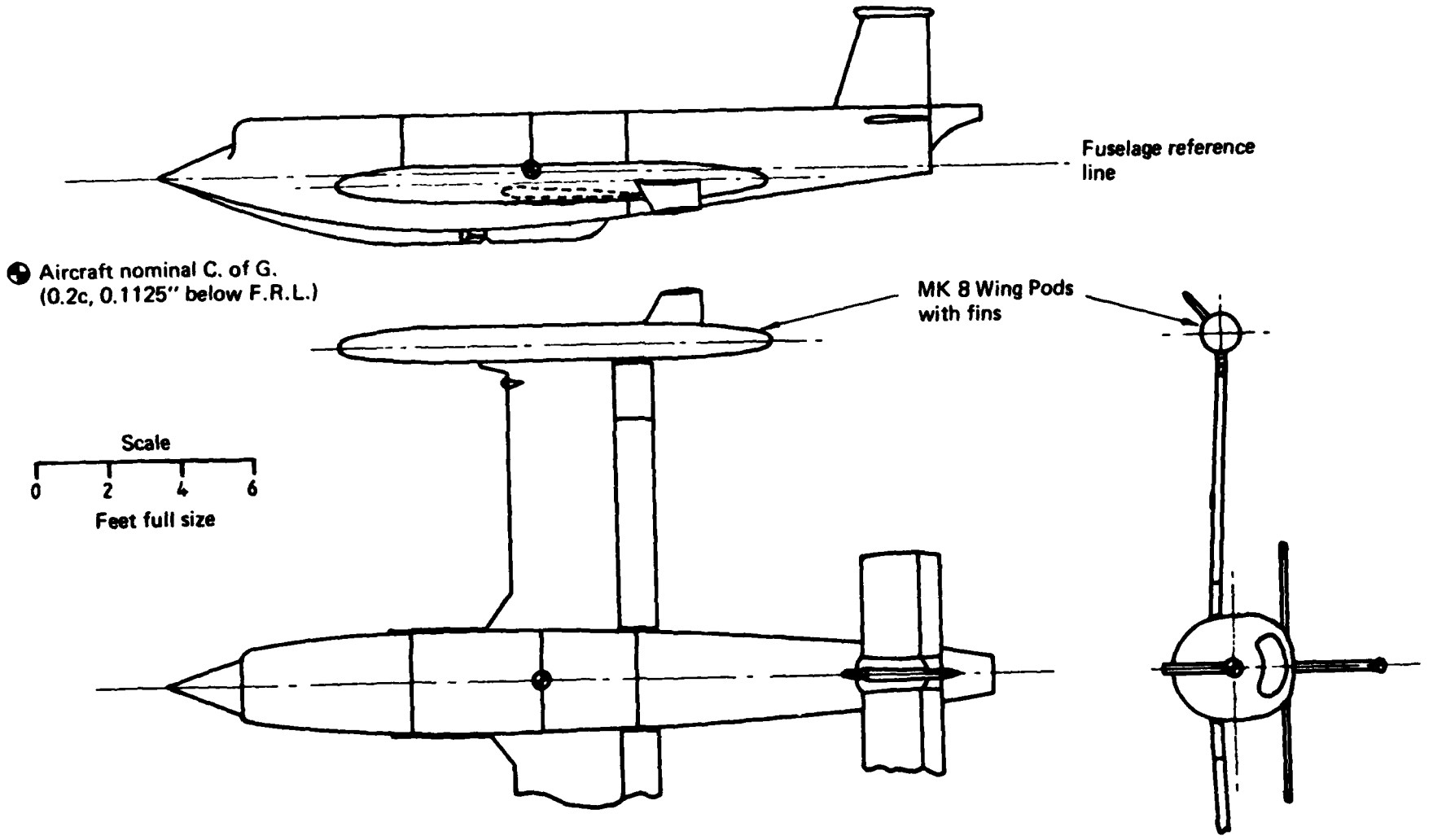


FIG. 2 SKETCH OF MODEL

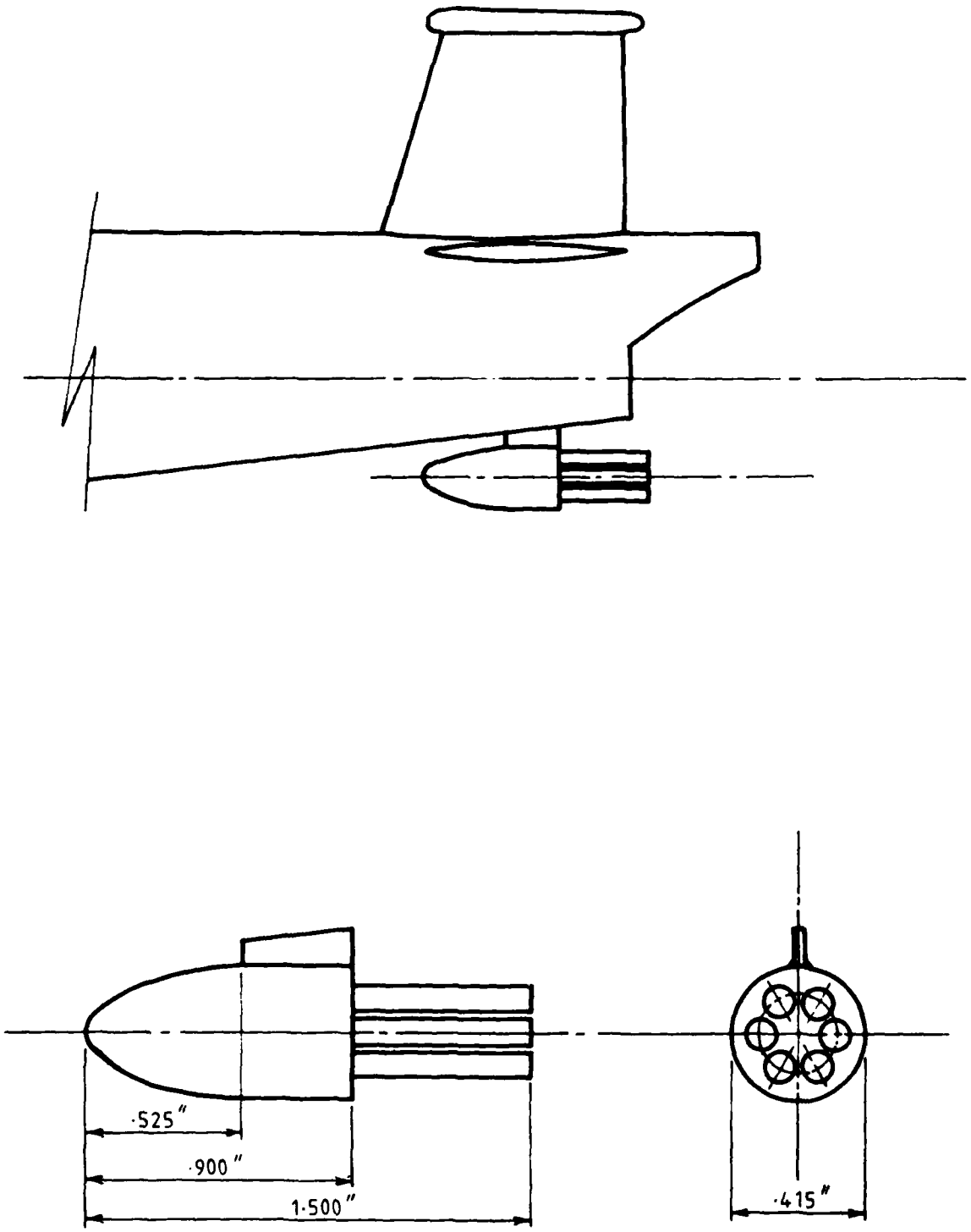


FIG. 3 SKETCH OF FLARE PACK

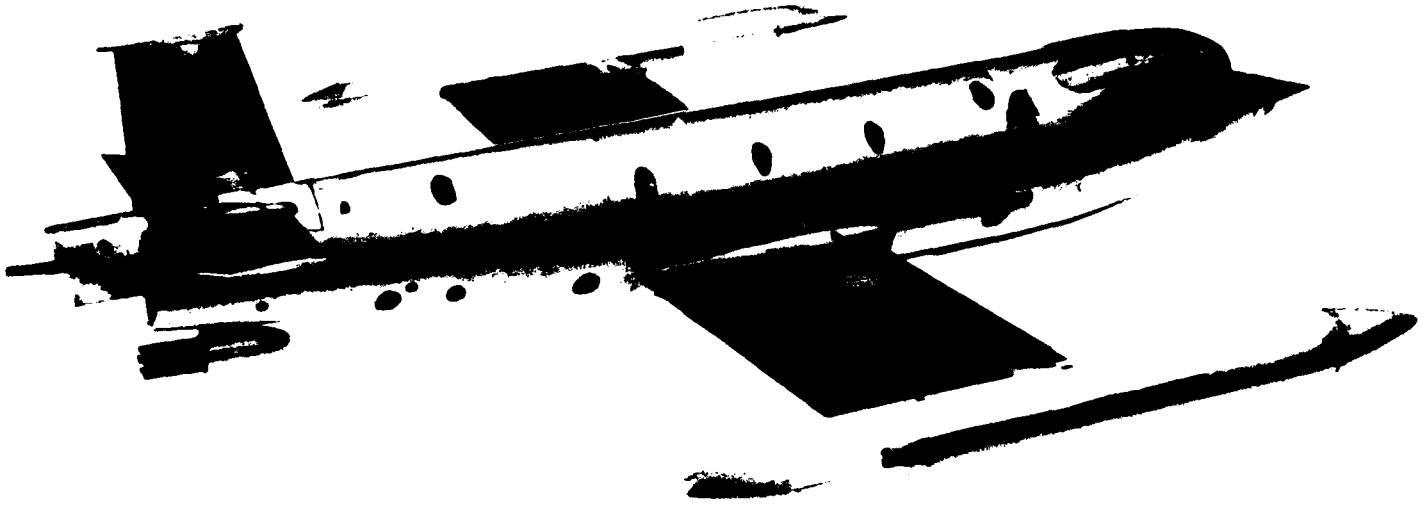


FIG. 4 PHOTOGRAPH OF MODEL – THREE QUARTER REAR VIEW

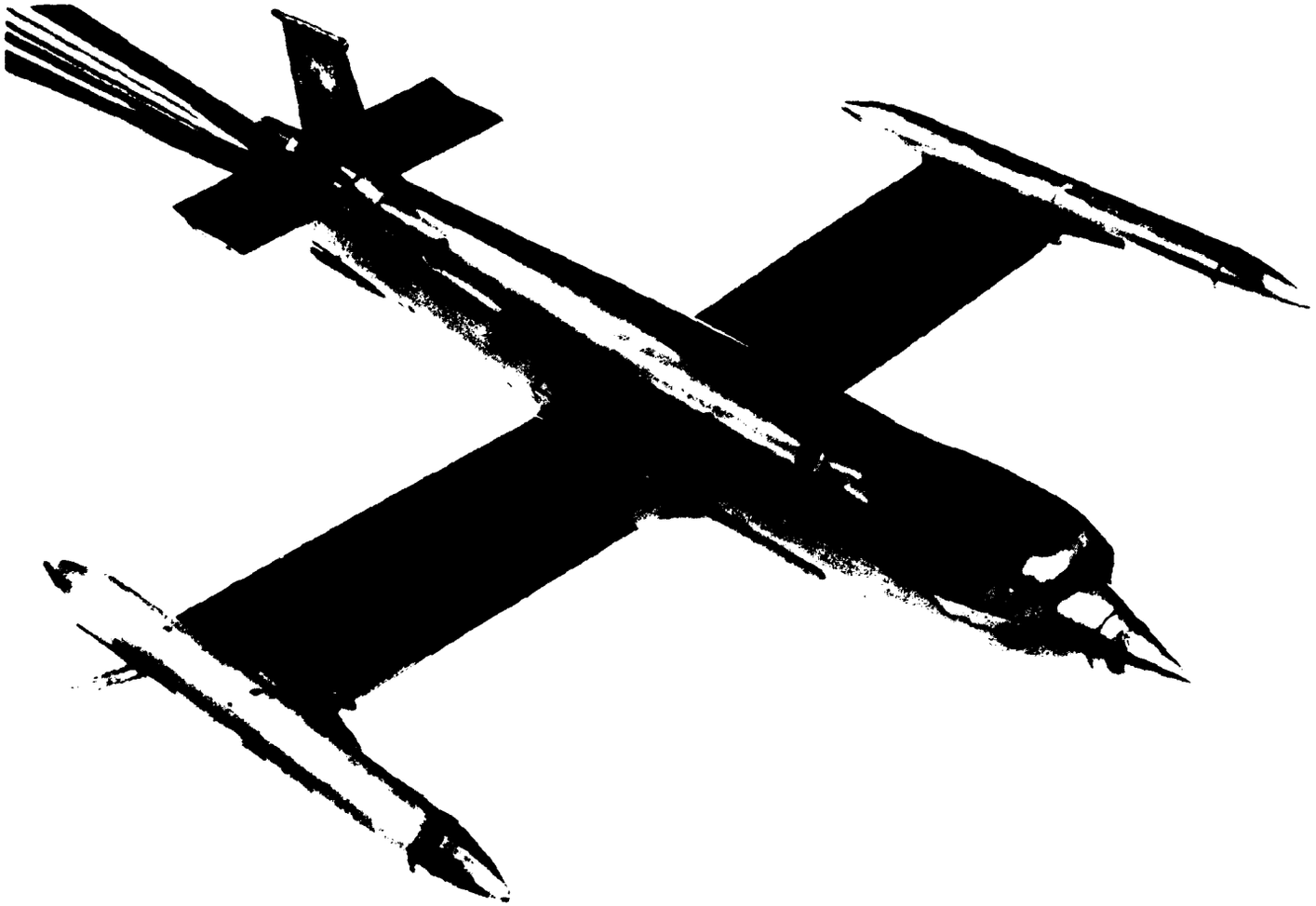


FIG. 5 PHOTOGRAPH OF MODEL – THREE QUARTER FRONT VIEW

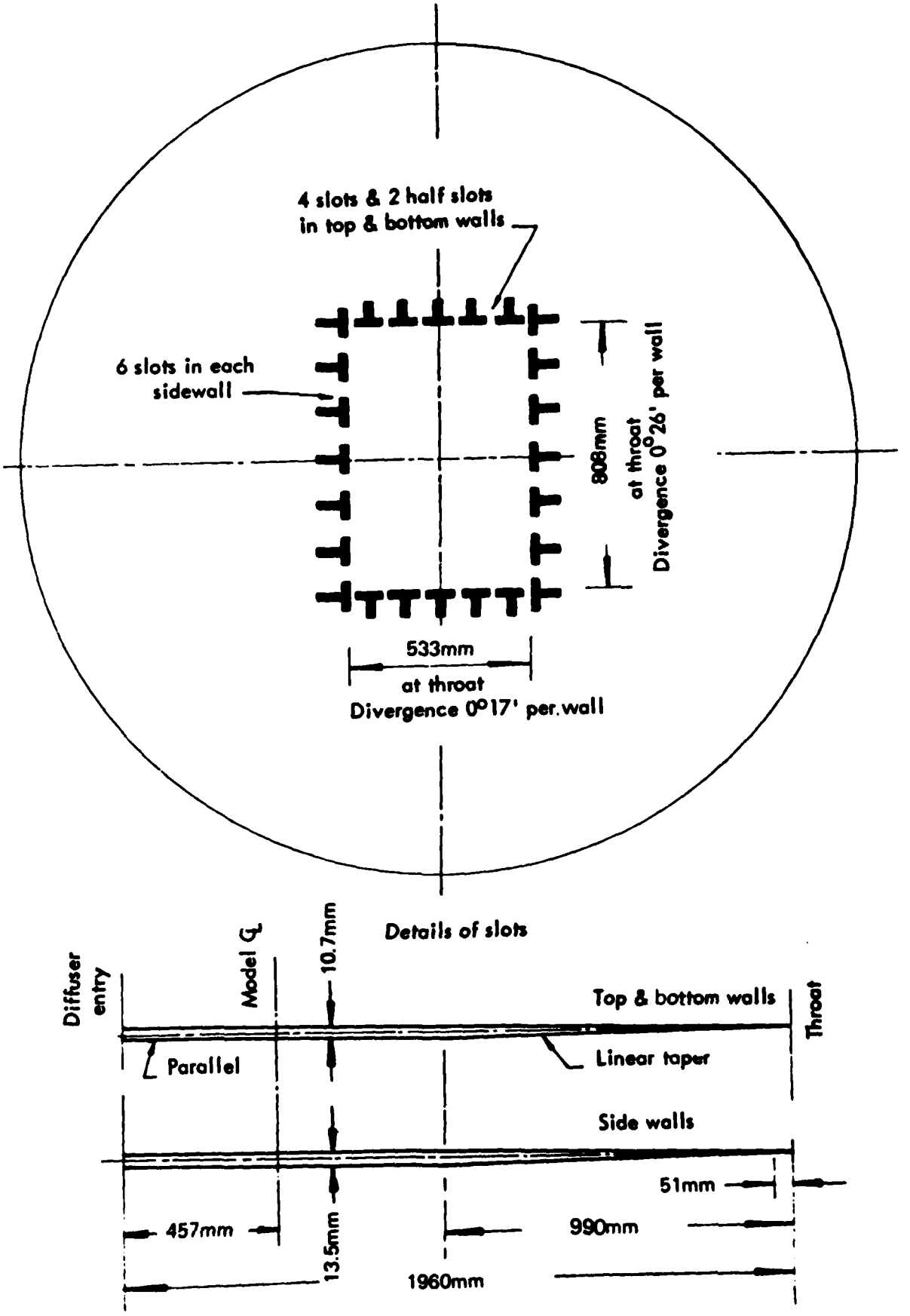
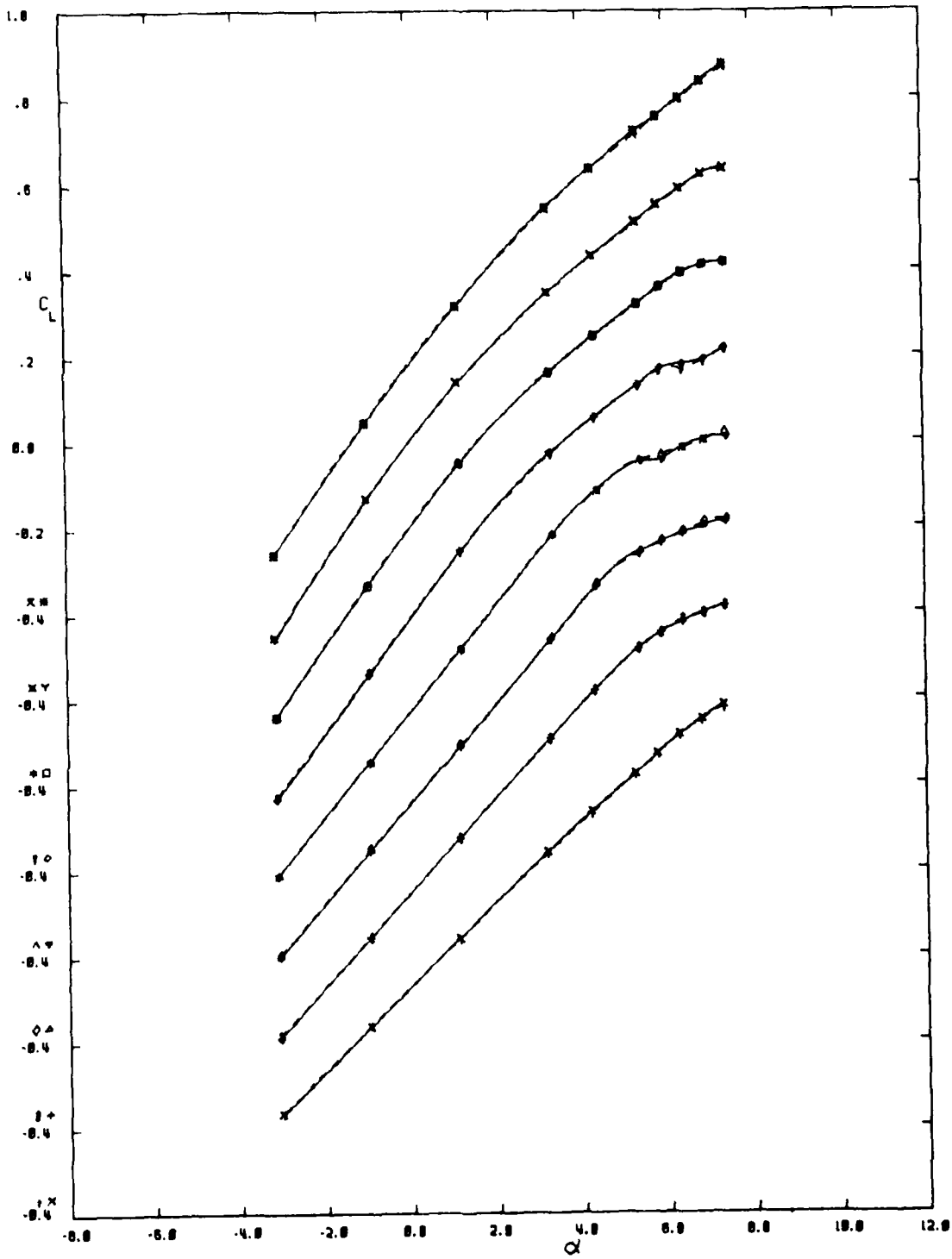


FIG. 6 DETAILS OF SLOTTED TEST SECTION



SYMBOL	M		SYMBOL	M
✕	.50		↑	.50
+	.70		↕	.70
▲	.75		◇	.75
▼	.80	FLARE PACK ON	^	.80
◆	.85		↑	.85
□	.85		◆	.85
▼	.90		■	.90
■	.90		✕	.90

CLEAN AIRCRAFT ———— FLARE PACK ON - - - - - - - -

FIGURE 7. VARIATION OF LIFT COEFFICIENT WITH INCIDENCE.

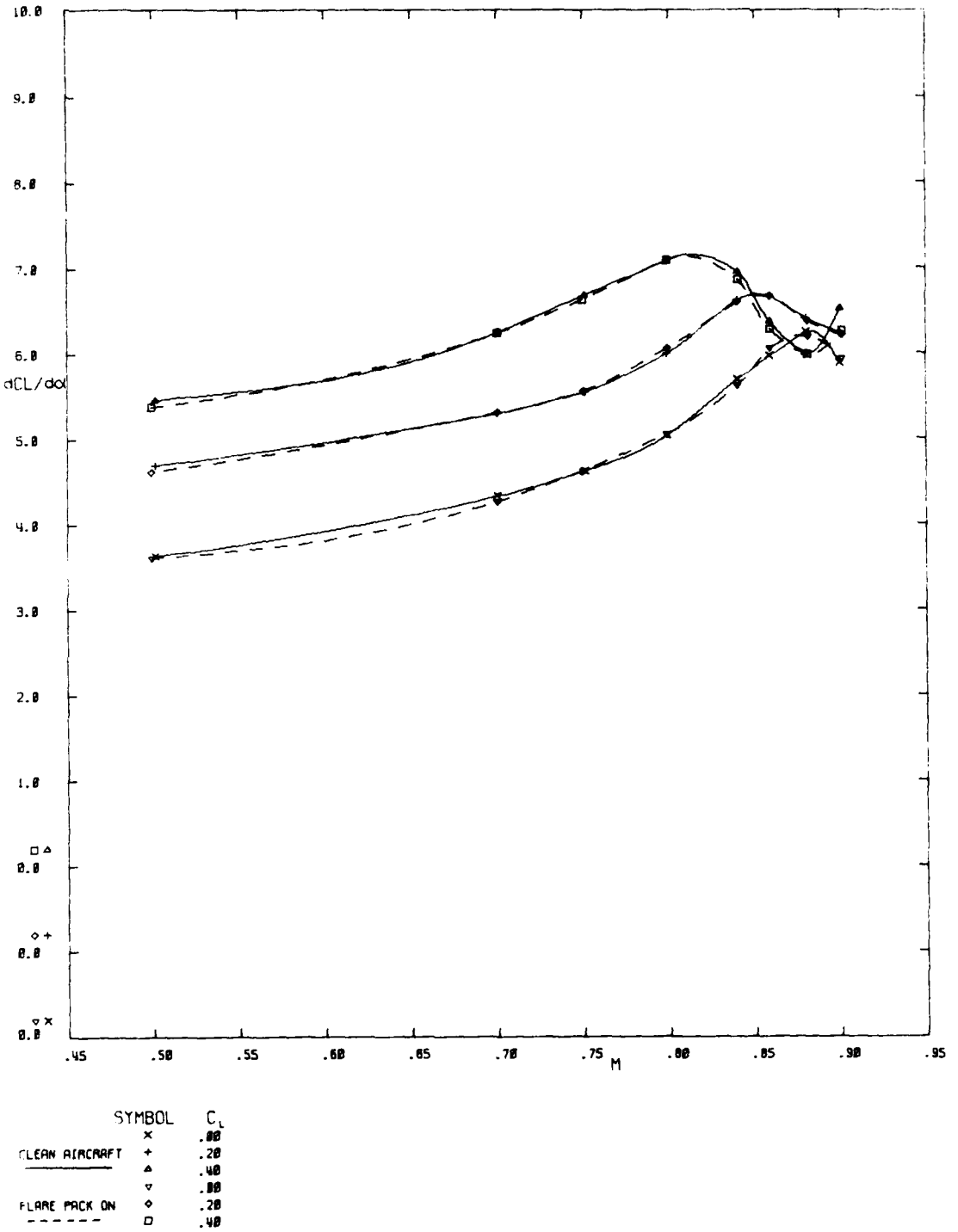
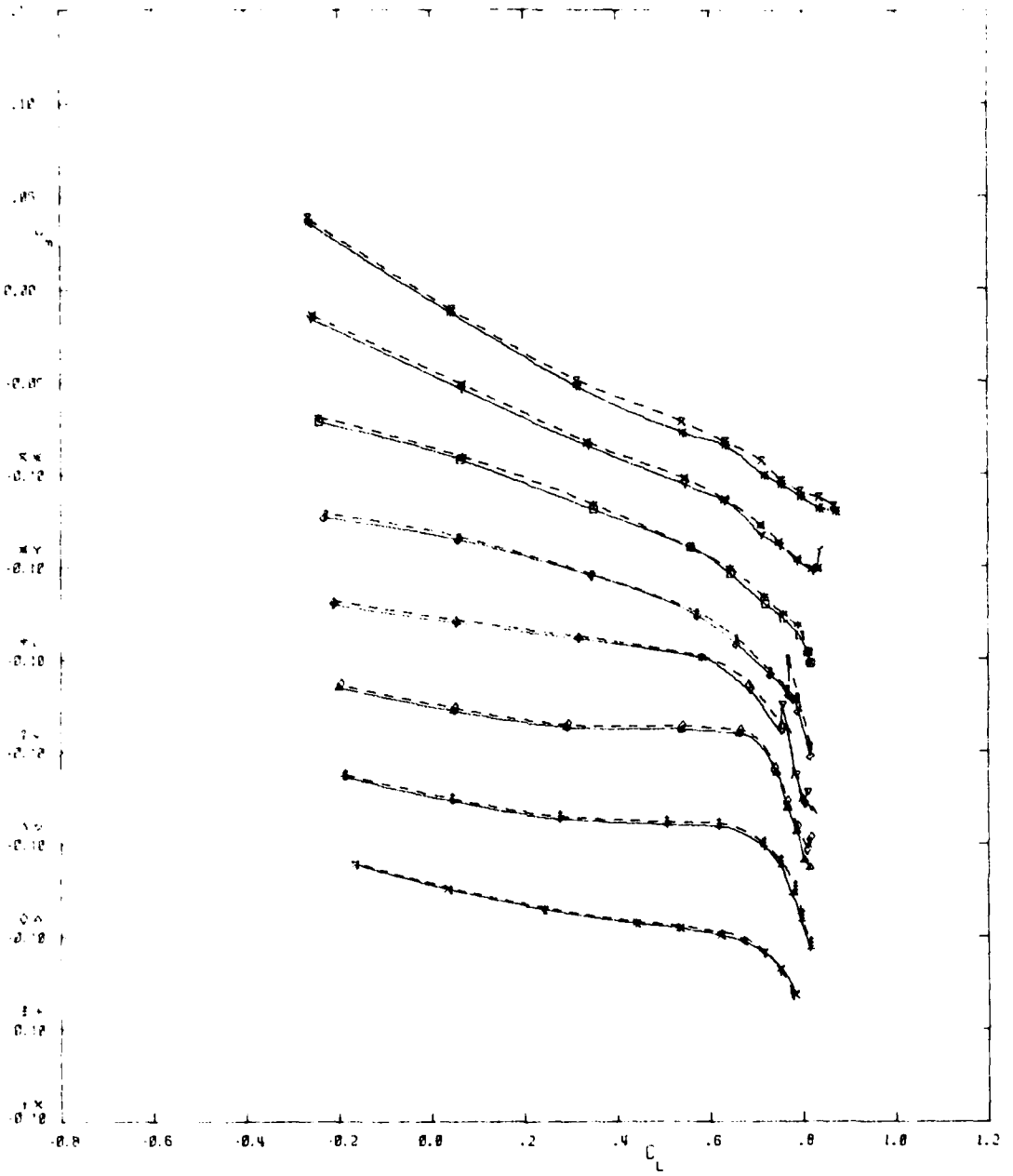


FIGURE 8. VARIATION OF LIFT CURVE SLOPE WITH MACH NUMBER.



	SYMBOL	M		SYMBOL	M
	×	.50		↑	.50
	+	.70		‡	.70
	△	.75		◊	.75
CLEAN AIRCRAFT	▽	.80	FLARE PACK ON	∧	.80
	◇	.84	- - - - - - -	↑	.84
	□	.86		*	.86
	Y	.88		⋇	.88
	⋇	.90		⋇	.90

FIGURE 9. VARIATION OF PITCHING MOMENT COEFFICIENT WITH LIFT COEFFICIENT

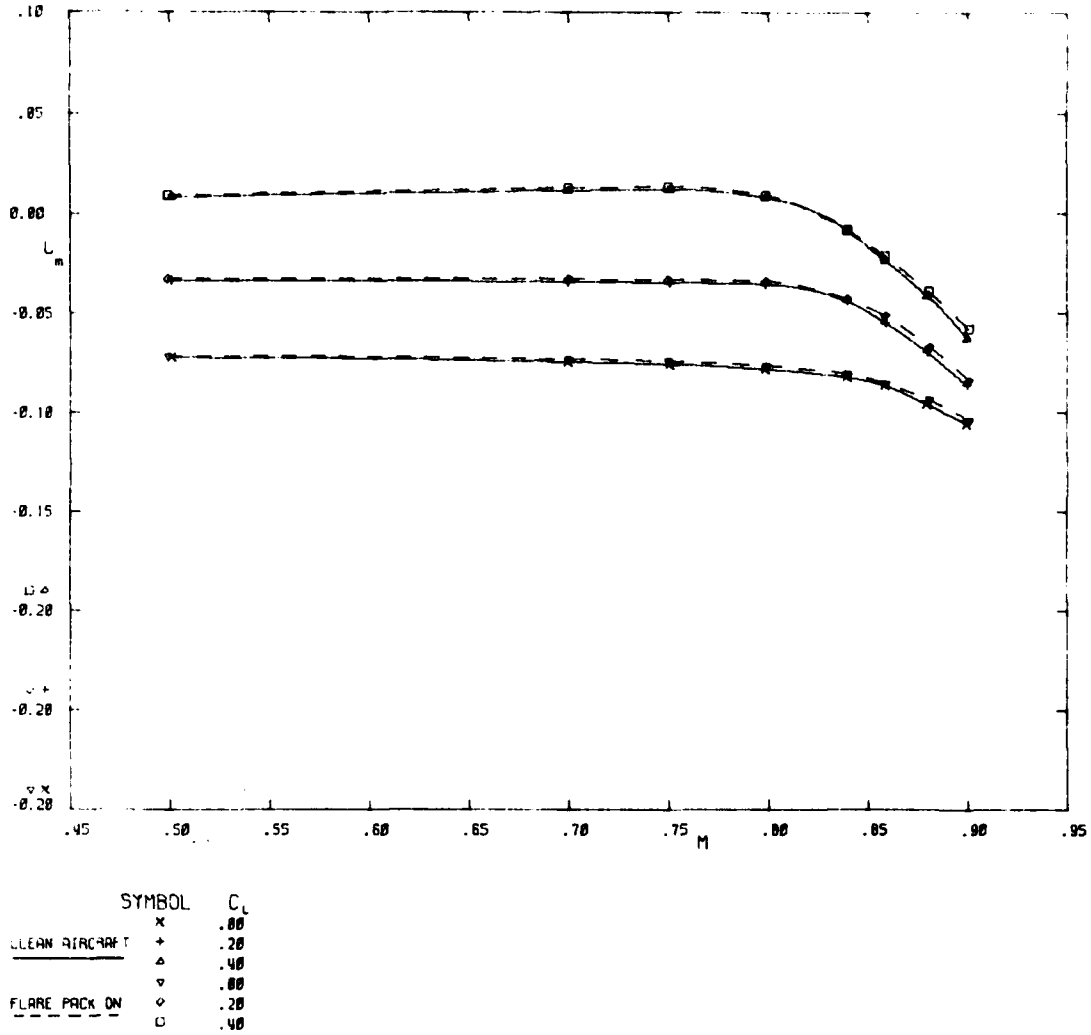
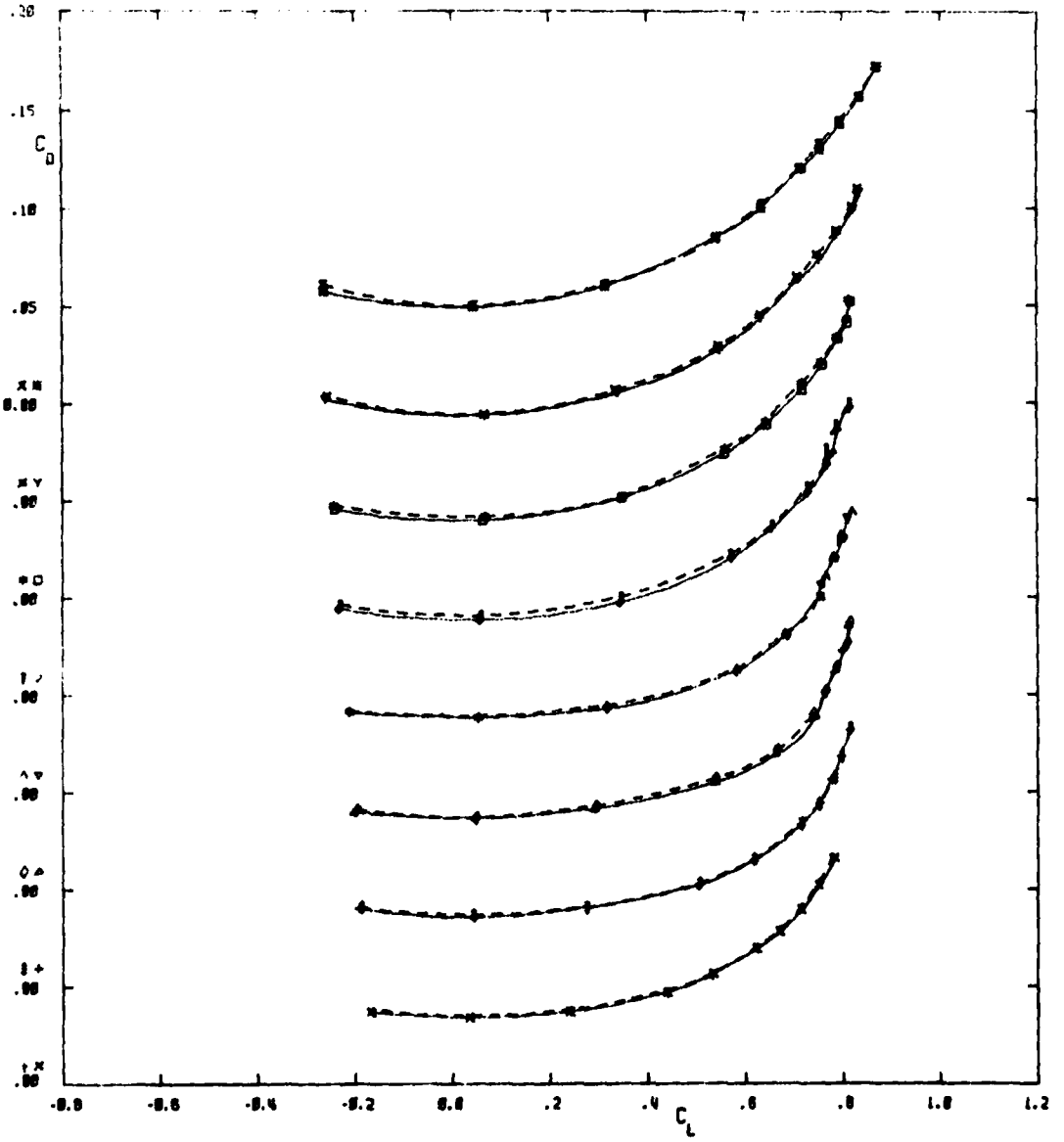


FIGURE 10. VARIATION OF PITCHING MOMENT COEFFICIENT WITH MACH NUMBER.



SYMBOL	M		SYMBOL	M
×	.50		↑	.50
+	.70		↓	.70
△	.75		◊	.75
▽	.80	FLARE PACK ON	△	.80
◇	.84	- - - - - - -	↑	.84
□	.86		+	.86
Y	.88		✱	.88
✱	.90		×	.90

CLEAN AIRCRAFT ———

FIGURE 11. VARIATION OF DRAG COEFFICIENT WITH LIFT COEFFICIENT.

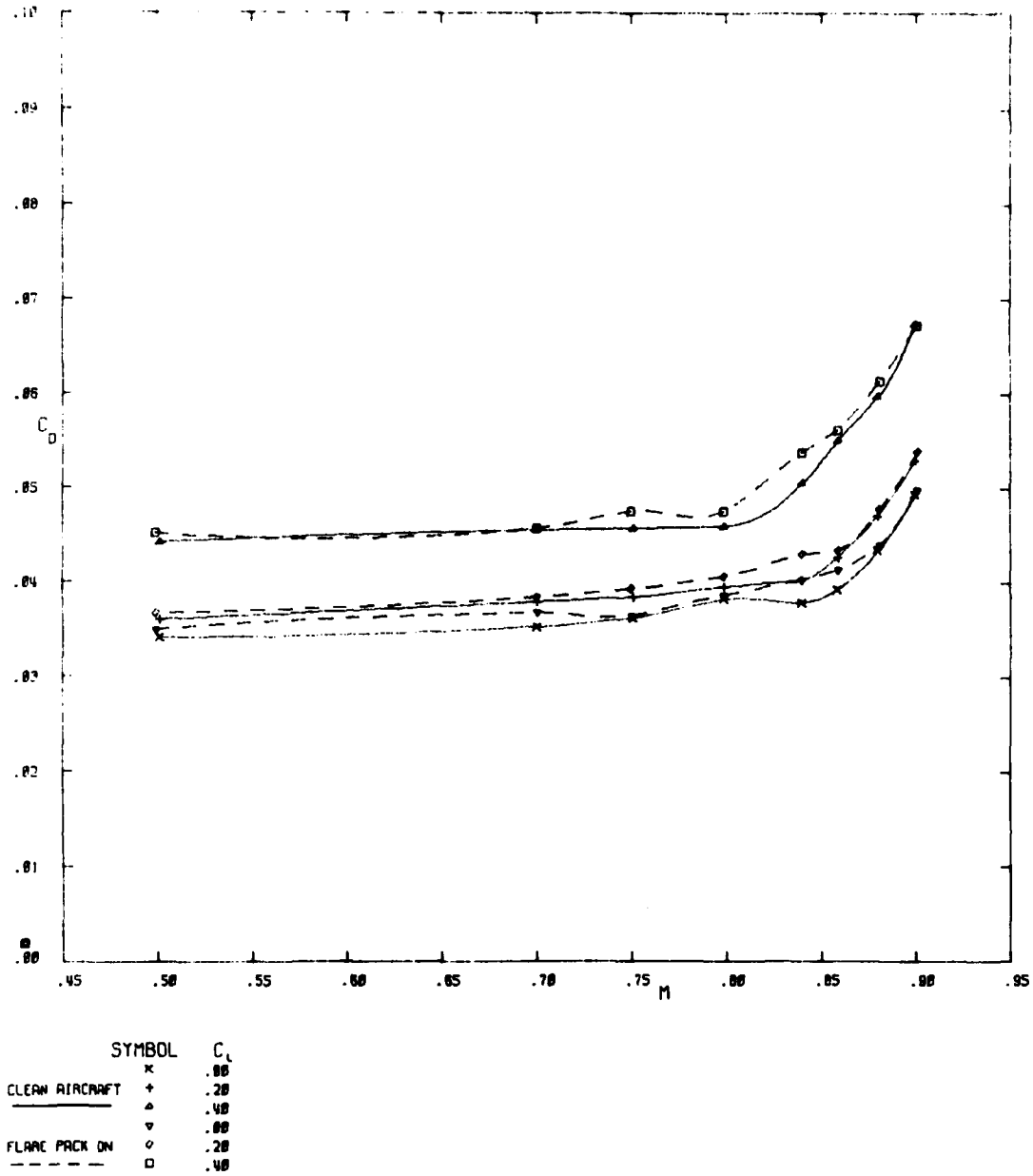
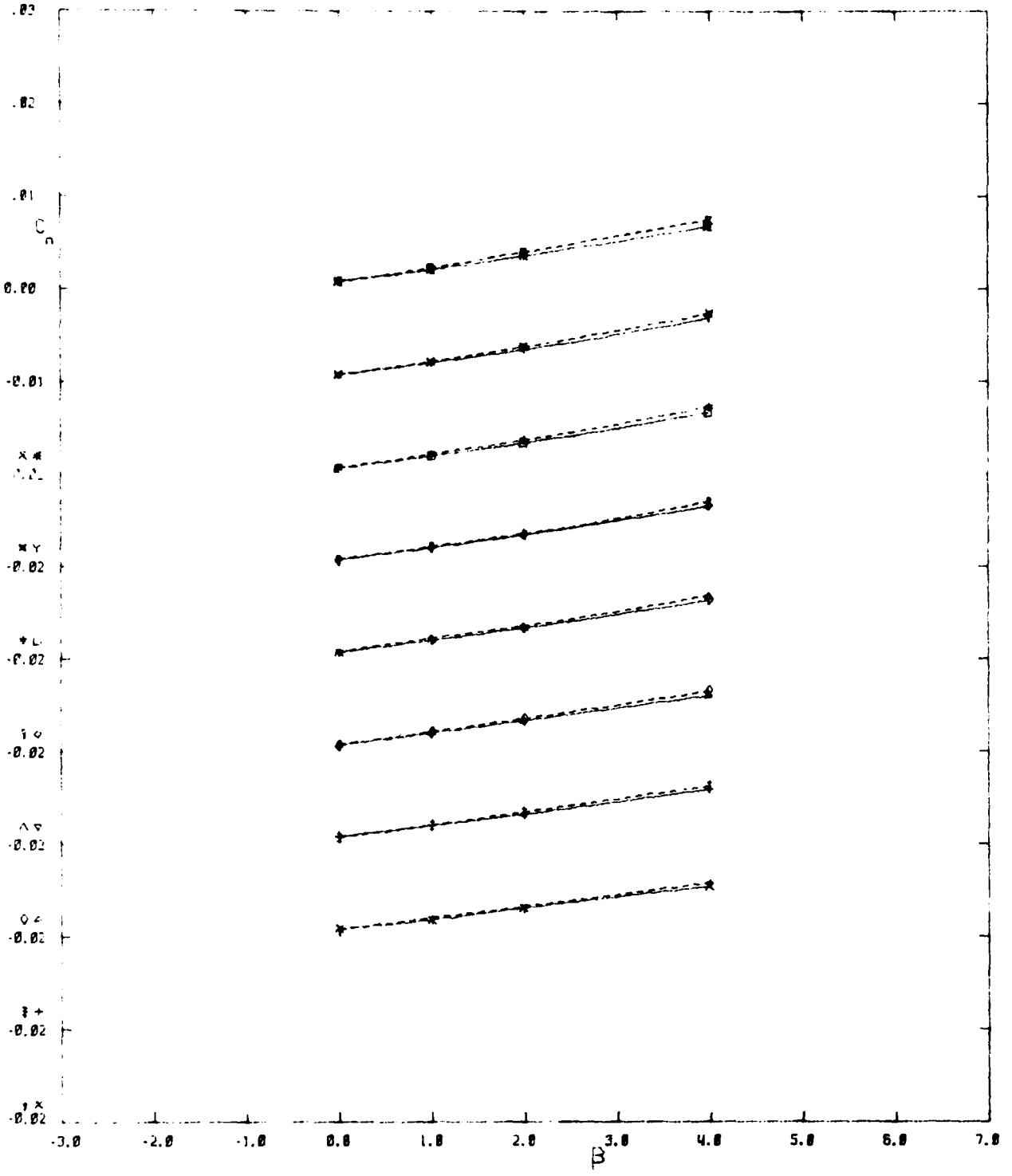


FIGURE 12. VARIATION OF DRAG COEFFICIENT WITH MACH NUMBER.



SYMBOL	M		SYMBOL	M
×	.50		↑	.50
+	.70		‡	.70
△	.75		◊	.75
CLEAN AIRCRAFT ▽	.80	FLARE PACK ON	^	.80
◇	.84	------	↑	.84
□	.86		*	.86
Y	.88		⋇	.88
⋇	.90		⋇	.90

FIGURE 13. VARIATION OF YAWING MOMENT COEFFICIENT WITH SIDESLIP.

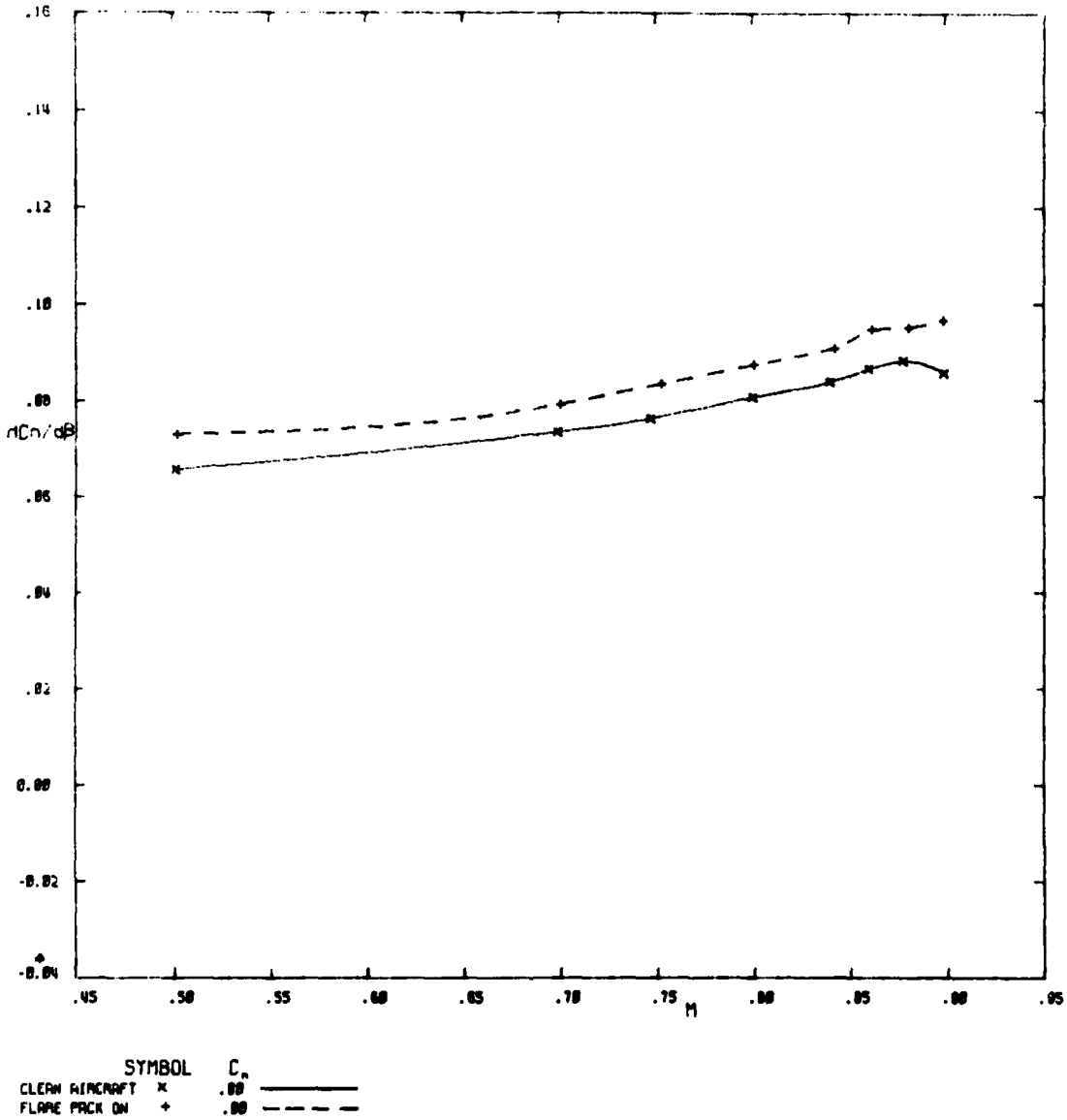
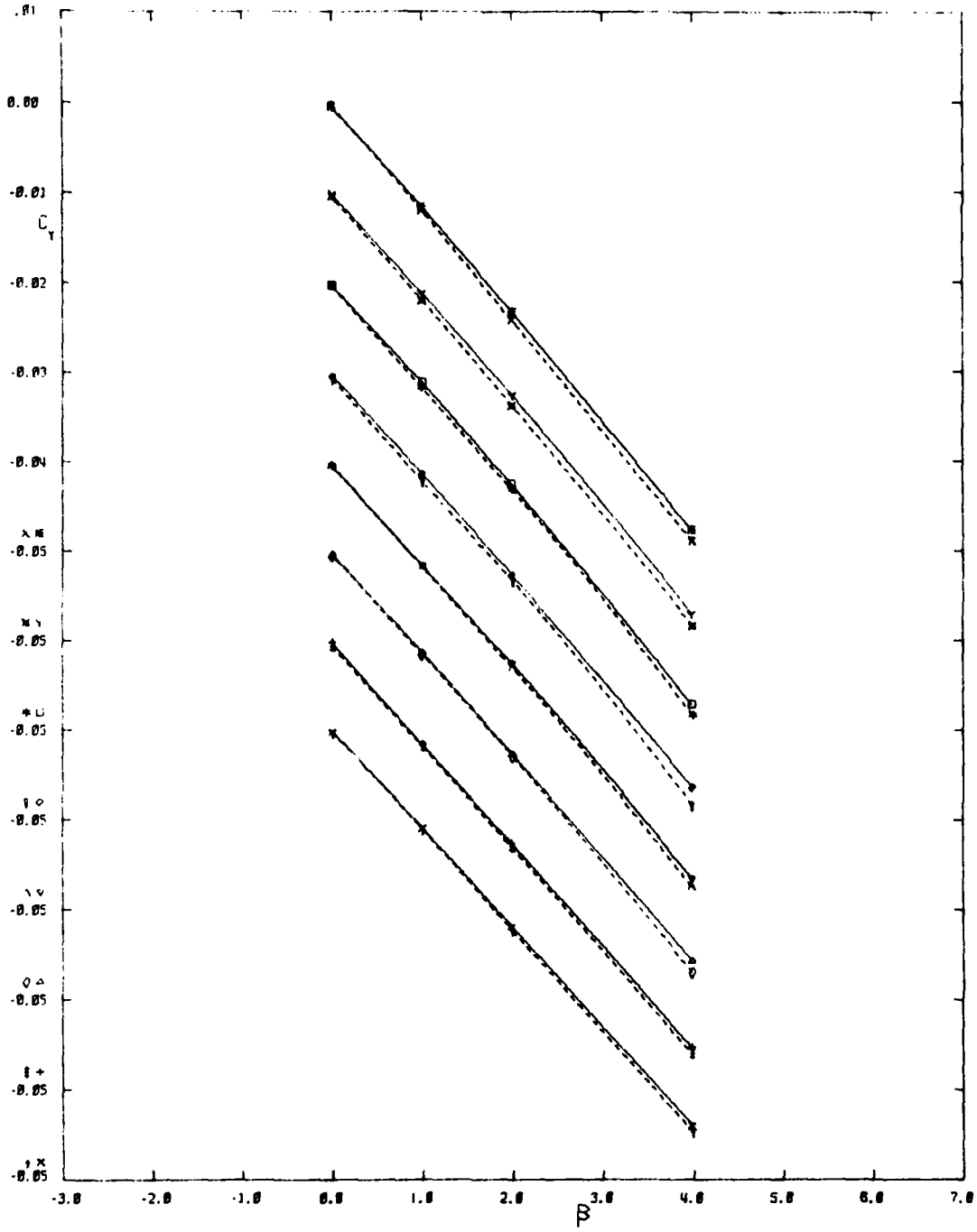
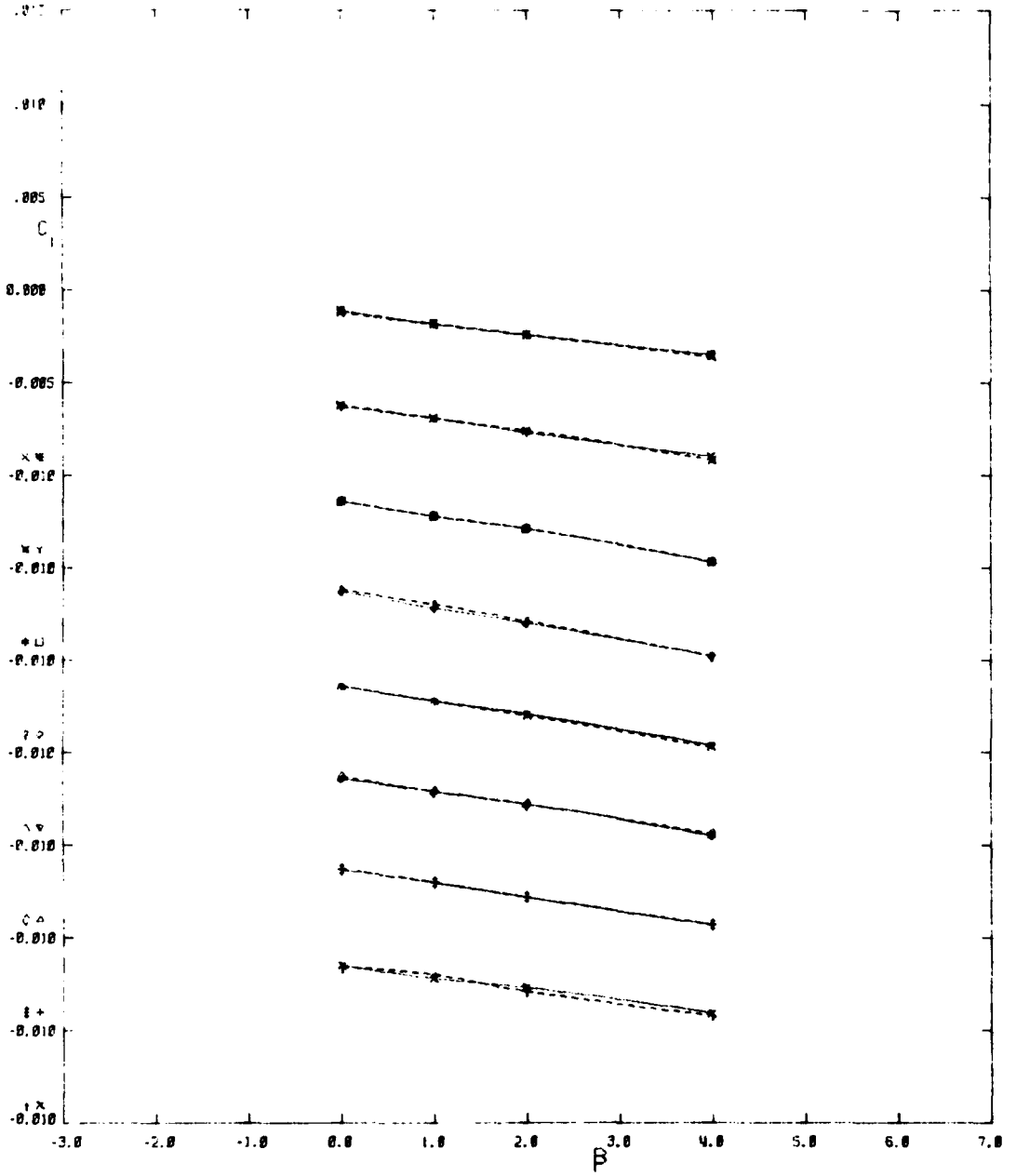


FIGURE 14. VARIATION OF WEATHERCOCK STABILITY DERIVATIVE WITH MACH NUMB



	SYMBOL	M		SYMBOL	M
	×	.50		↑	.50
	+	.70		‡	.70
	△	.75		◊	.75
CLEAN AIRCRAFT	▽	.80	FLARE PACK ON	∧	.80
	◇	.84		↑	.84
	□	.86		*	.86
	Y	.88		⌘	.88
	⌘	.90		⌘	.90

FIGURE 15. VARIATION OF SIDE FORCE COEFFICIENT WITH SIDESLIP.



SYMBOL	M		SYMBOL	M
	.50			.50
	.70			.70
	.75			.75
CLEAN AIRCRAFT	.80	FLARE PACK ON		.80
	.84	- - - - - -		.84
	.86			.86
	.88			.88
	.90			.90

FIGURE 16. VARIATION OF ROLLING MOMENT COEFFICIENT WITH SIDESLIP.

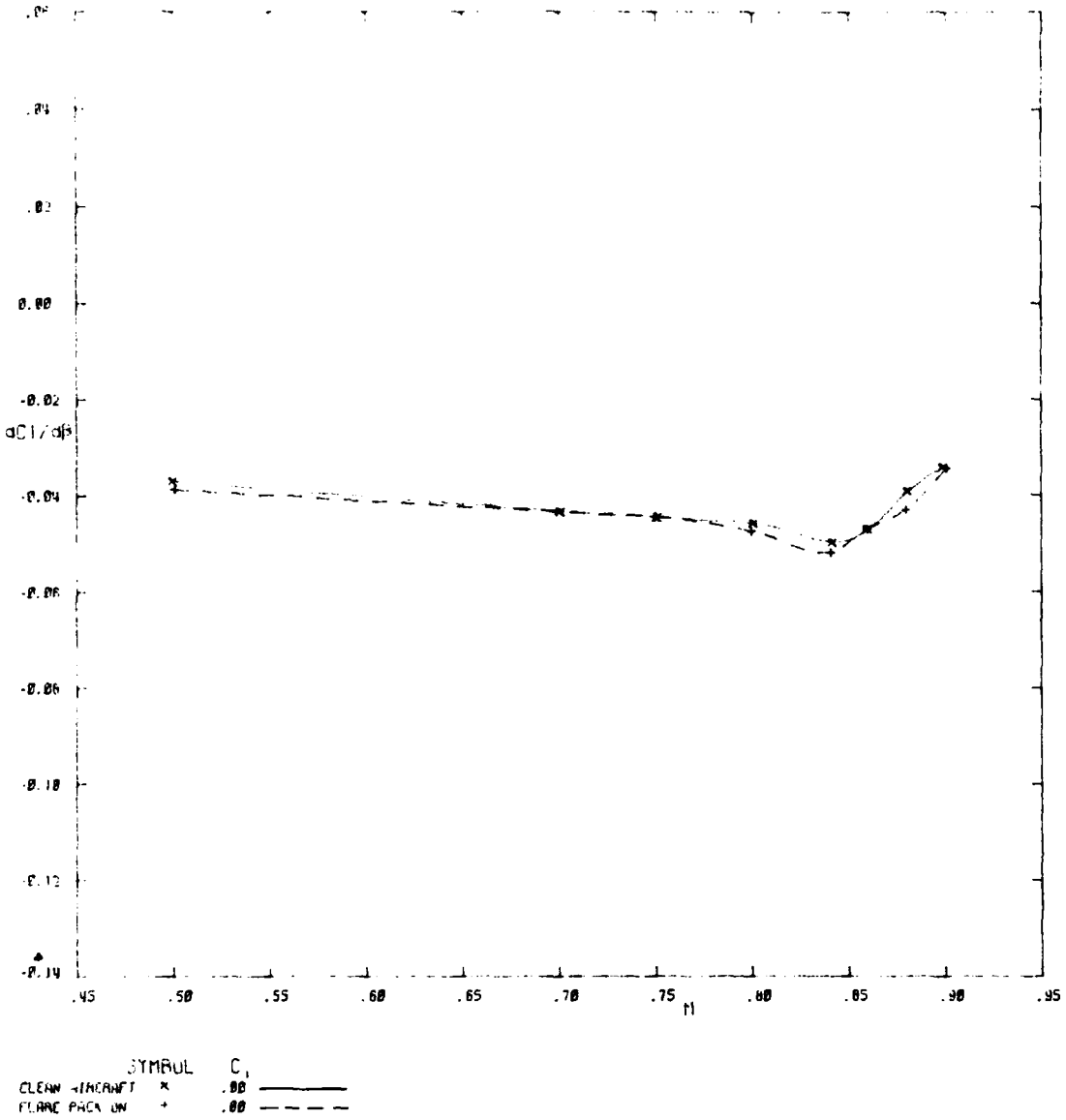


FIGURE 17. VARIATION OF EFFECTIVE DIHEDRAL WITH MACH NUMBER.

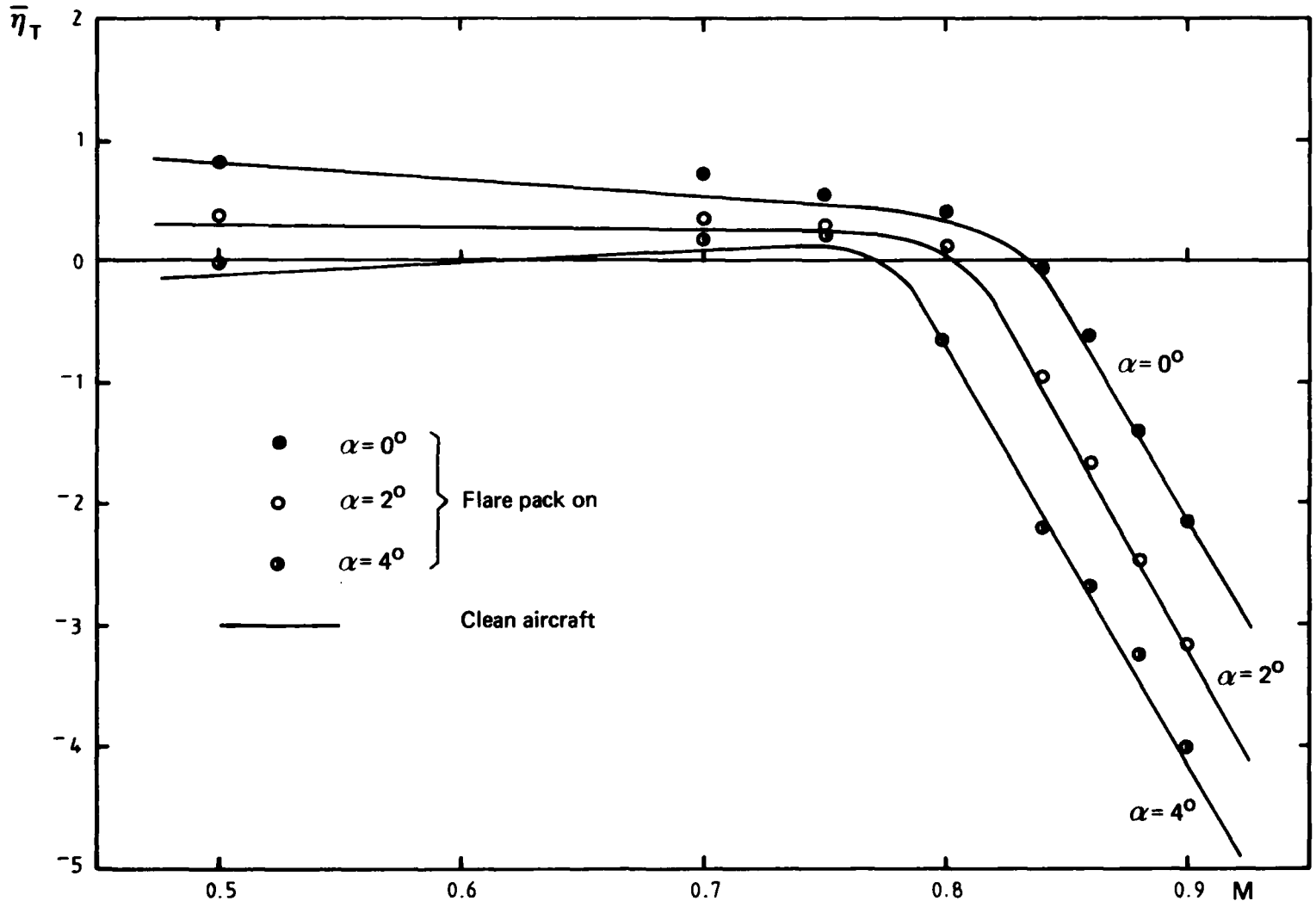


FIG. 18 EFFECT OF FLARE PACK ON TAILPLANE ANGLE TO TRIM

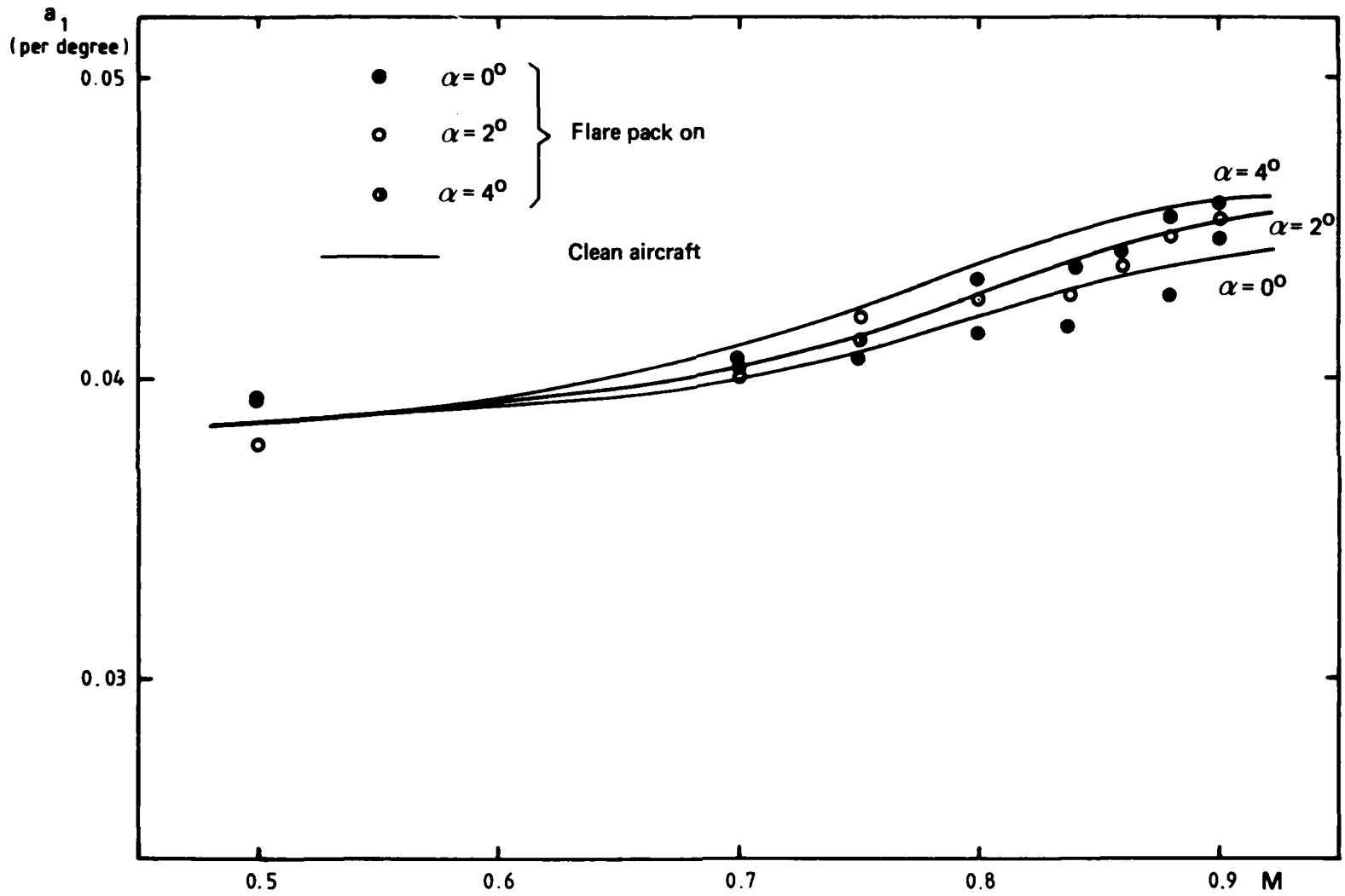


FIG. 19 EFFECT OF FLARE PACK ON TAILPLANE EFFECTIVENESS

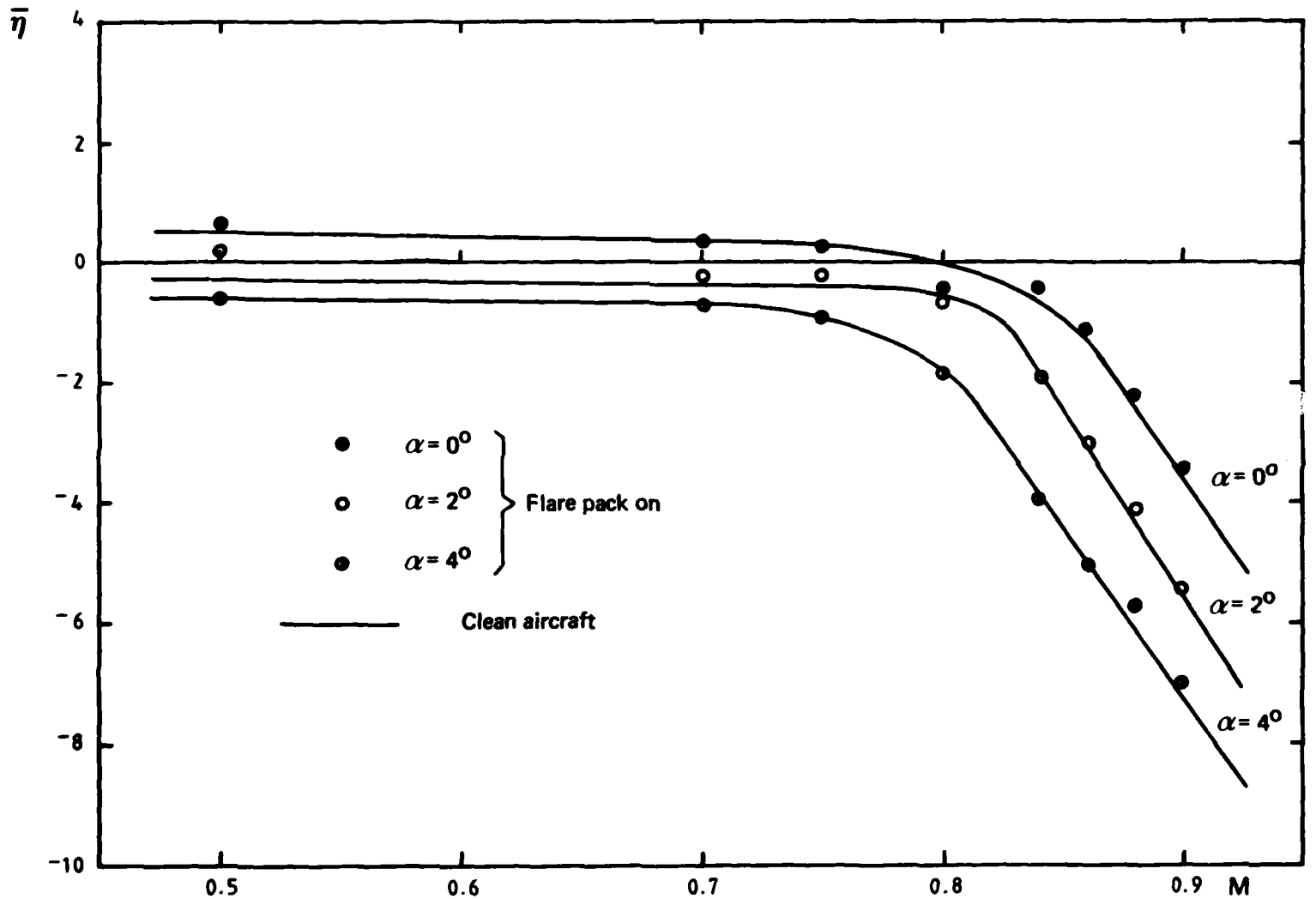


FIG. 20 EFFECT OF FLARE PACK ON ELEVATOR ANGLE TO TRIM

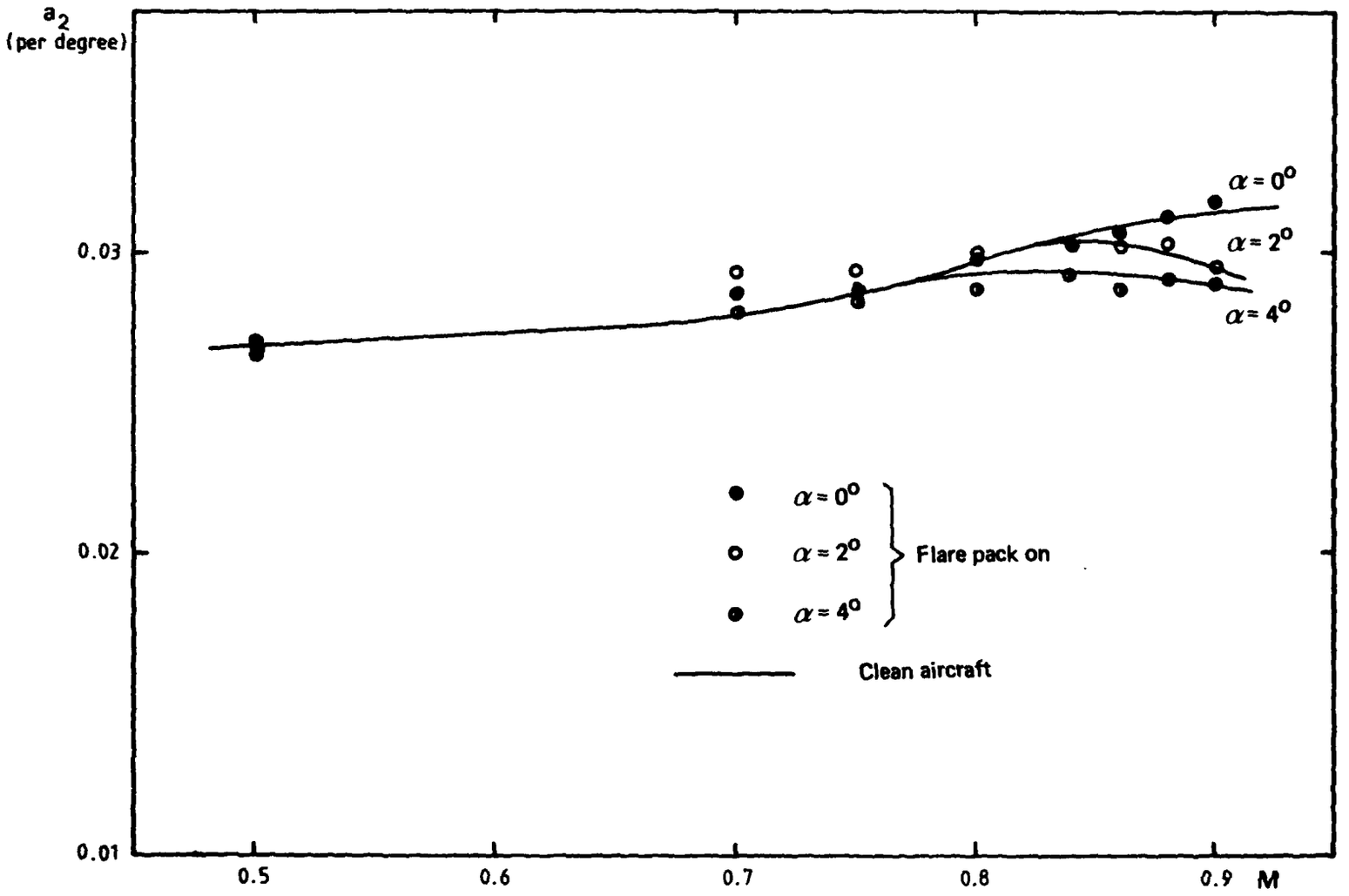


FIG. 21 EFFECT OF FLARE PACK ON ELEVATOR EFFECTIVENESS

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