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# NASA Technical Memorandum 78642

NASA-TM-78642 19790011892

SUBSONIC LONGITUDINAL AND LATERAL AERODYNAMIC  
CHARACTERISTICS FOR A SYSTEMATIC SERIES OF STRAKE-WING  
CONFIGURATIONS

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FEBRUARY 1979

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SUBSONIC LONGITUDINAL AND LATERAL AERODYNAMIC CHARACTERISTICS FOR  
A SYSTEMATIC SERIES OF STRAKE-WING CONFIGURATIONS

SUMMARY

A systematic wind tunnel study was conducted in the Langley 7- by 10-foot high speed tunnel to help establish a parametric data base of the longitudinal and lateral aerodynamic characteristics for configurations incorporating strake-wing geometries indicative of current and proposed maneuvering aircraft. The configurations employed combinations of strakes with reflexed planforms having exposed spans of 10%, 20%, and 30% of the reference wing span and wings with trapezoidal planforms having leading edge sweep angles of approximately 30°, 40°, 44°, 50°, and 60°. Tests were conducted at Mach numbers ranging from 0.3 to 0.8 and at angles of attack ranging from approximately -4° to 48° at zero sideslip. The data are presented with no analysis in order to expedite publication.

INTRODUCTION

The close coupled strake-wing concept has received considerable attention in recent years as a means of enhancing the high angle of attack aerodynamic performance of maneuvering aircraft. The enhanced performance is primarily due to the formation of strong vortices along the leading and side edges of the strake. In addition to producing large vortex lift increments on the strake itself, these vortices persist over the wing and provide favorable induced effects to the wing flow field resulting in additional lift increments. However, the persistence of the strake vortex over the wing as well as the relative proximity of the wing and strake results in a very complex flow situation where

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the wing aerodynamics and the strake aerodynamics are highly interactive and where regions of separation induced vortex flow are coexistent with regions of attached potential flow. Because of the complex nature of this type of flow as well as the comparatively recent interest in strake-wing geometries very little parametric information is available on this topic for use in future advanced configuration studies.

The present investigation was therefore undertaken to help establish a broad data base of the static longitudinal and lateral aerodynamic characteristics for configurations incorporating strake-wing geometries indicative of current and proposed maneuvering aircraft. The configuration chosen for the present study was a general research fighter model incorporating reflexed strakes having exposed spans of 10%, 20%, and 30% of the reference wing span and trapezoidal wing planforms having leading edge sweep angles of 30, 40, 44, 50, and 60 degrees. The tests were conducted in the Langley 7- by 10-foot high speed tunnel at Mach numbers from 0.3 to 0.8. The angle of attack ranged from approximately  $-4^\circ$  to  $48^\circ$  in two degree increments. All tests were conducted at zero sideslip. Lateral-directional aerodynamic characteristics for selected configurations of this study may be found in reference 1. The data are presented with a brief discussion but with no analysis in order to expedite publication.

#### SYMBOLS

The International System of Units (SI), with the U.S. Customary Units presented in parenthesis is used for the physical quantities found in this report (see ref. 2). Measurements and calculations were made in the U.S. Customary Units. The data presented in this report are referred to the

stability axis system. The moment reference point was taken to the fuselage station 55.197 cm (21.731 in) for both balances (see fig. 1).

A	aspect ratio ( $b^2/S_w$ )
b	wing reference span, 50.80 cm (20.00 in.)
$C_D$	total drag coefficient ( $\text{Drag}/q_\infty S_w$ )
$C_{D_2}$	nose drag coefficient
$C_L$	total lift coefficient ( $\text{Lift}/q_\infty S_w$ )
$C_{L_2}$	nose lift coefficient
$C_l$	total rolling moment coefficient ( $\text{rolling moment}/q_\infty S_w b$ )
$C_{l_2}$	nose rolling moment coefficient
$C_m$	total pitching moment coefficient ( $\text{pitching moment}/q_\infty S_w \bar{c}$ )
$C_{m_2}$	nose pitching moment coefficient
$C_n$	total yawing moment coefficient ( $\text{yawing moment}/q_\infty S_w b$ )
$C_{n_2}$	nose yawing moment coefficient
$C_Y$	total sideforce coefficient coefficient ( $\text{side force}/q_\infty S_w$ )
$C_{Y_2}$	nose side force coefficient
$\bar{c}$	reference chord, 23.33 cm (9.184 in.)
$M_\infty$	free stream Mach number

$q_{\infty}$	free stream dynamic pressure, Pa(lbf/ft <sup>2</sup> )
$S_s$	exposed strake area
$S_w$	reference wing area, 1032 cm <sup>2</sup> (159.970 in <sup>2</sup> )
$x$	axial distance from exposed strake theoretical apex (see fig. 2)
$Y_{\max}$	maximum exposed semispan of strake (see fig. 2)
$y$	spanwise distance from exposed strake theoretical apex (see fig. 2)
$\alpha$	angle of attack, degrees
$\beta$	angle of sideslip, degrees
$\Lambda$	leading edge sweep angle, degrees

#### Subscripts

s	strake
t	tail
te	trailing edge
w	wing

#### Model Description

A three view drawing of the general research model is presented in figure 1(a). This model was originally designed so that various wing and canard planforms could be tested and has been used for many parametric studies (refs. 3 to 5). Because of a slight blunting of the nose the model forebody was 0.127 cm (0.050 in) shorter for the present study than it had been for previous studies

(see fig. 1a). Figure 1(b) presents the strake planforms tested and figure 1(c) presents the wing planforms tested. Figure 2 presents the model mounted in the Langley 7- by 10-foot high speed tunnel. Pertinent geometric characteristics associated with this model are presented in tables I to IV.

Five different wings were tested. Wings I, II, III, IV and V had leading edge sweep angles ( $\Lambda_w$ ) of  $30^\circ$ ,  $40^\circ$ ,  $44^\circ$ ,  $50^\circ$ , and  $59.45^\circ$ , respectively. All wings had the same area, span, mean geometric chord, and airfoil section. The wings had untwisted trapezoidal planforms with uncambered circular arc airfoil sections which linearly varied in maximum thickness from 6 percent of the chord at the wing-fuselage juncture to 4 percent of the chord at the tip. The wings were mounted longitudinally so that the quarter chord point of the wing chord at the wing-fuselage juncture (which was taken as the moment reference point) coincided for all wings.

Three different strakes were tested. These strakes, designated I, II, and III, had maximum exposed semispans in cm (in) of 2.54 (1.00), 5.08 (2.00), and 7.62 (3.00) respectively. All strakes had the same root chord (at the strake-fuselage juncture) and had spanwise ordinates which were identical in percent maximum semispan (see table II). The strakes initially had a trailing edge sweep angle equal to the greatest wing leading edge sweep angle ( $\Lambda_w = 59.45^\circ$ ). For all wings the strakes were mounted longitudinally so that the trailing edge of the strake was approximately 0.051 cm (0.020 in) from the leading edge of the wing. This gap between the strake and the wing was necessitated by the test technique employed (see next section). To accommodate the lower sweep wings a portion of the strake near the trailing edge was removed such that the strake trailing edge sweep angle matched the wing leading edge sweep angle. (These cuts are shown as the dashed lines in figure 2.)

For each strake and each value of strake trailing edge sweep, table III presents the coordinates for the intersection of the strake leading and trailing edges and table IV presents the exposed strake area in percent wing reference area. The strakes were flat plates which, in accordance with the purposes of this study, had sharply beveled leading and side edges to assure the strong formation of separation induced vortex flows.

The verticle tail had a trapezoidal planform with symmetric circular arc airfoil sections which linearly varied in maximum thickness from 6 percent of the chord at the tail-fuselage juncture to 4 percent of the chord at the tip.

#### APPARATUS, TESTS, AND CORRECTIONS

The present investigation was conducted in the Langley 7- by 10-foot high speed tunnel (see refs. 6 and 7). Forces and moments were measured by means of two internally mounted six-component strain-gauge balances. One balance was housed within the forebody segment of the fuselage and was rigidly attached to the afterbody segment of the fuselage. This balance (referred to as the strake balance) measured loads on the strakes and the forebody (shaded area in fig. 1a). The second balance was housed within the afterbody segment of the fuselage and was rigidly attached to the sting support mechanism. This balance (referred to as the main balance) measured the total model loads.

A small gap to prevent fouling of the nose balance was maintained between the fuselage segments, between the strake and the wing, and between the strake and the afterbody. Tests were conducted for the configurations incorporating the  $50^\circ$  or  $59.45^\circ$  wings with the gaps unsealed and then were repeated with the gaps rigidly sealed to determine the effects of the bleed flow through the gap on the measured aerodynamic quantities. For configurations incorporating wings



of 50° sweep or less tests were conducted with a wiper seal covering the gaps and then were repeated with the gap rigidly sealed. The wiper seal was rigidly attached to the lower surface of the strake and to the forebody and was allowed to lap over all gaps between the forebody-strake and the afterbody-wing. This seal prevented flow from bleeding through the gaps but did not foul the nose balance to any measurable extent.

Tests were conducted at Mach numbers ranging from 0.3 to 0.8 which correspond to free stream Reynolds numbers ranging from  $1.3 \times 10^6$  to  $2.9 \times 10^6$  based on the mean geometric chord of 23.327 cm (9.184 in). The model was tested at angles of attack which ranged in degrees from approximately -4 to 48 at a sideslip angle of zero. All tests were conducted with boundary-layer transition fixed on the model by means of strips of No. 120 carborundum grit 0.16 cm (0.063 in) in width situated 2.54 cm (1.00 in) aft of the leading edge of the wing and vertical tail as well as 2.54 cm (1.00 in) aft of the nose of the fuselage as outlined in reference 8. Transition strips of the same grit and width were situated on the strakes a distance 0.76 cm (0.30 in) normal to the leading edge which corresponded to the intersection of the leading edge bevel with the upper or lower surface. Tests were conducted not only on the complete configurations (wing and strake) but also on various component forms (wing with no strake, strake with no wing).

The data have been corrected for the effects of jet boundary and blockage by the methods of reference 9 and 10 respectively. Angles of attack have been corrected for the effects of balance and sting deflection due to loads. The main balance chamber pressure was measured (the base had zero width) and the total drag data were corrected to a condition of free stream static pressure acting over the cross sectional area of the fuselage at the base of the afterbody.

In addition, the strake-balance base and chamber pressures were measured and the forebody drag measurements were corrected to a condition of free stream static pressure acting over the cross sectional area of the fuselage at the base of the forebody.

## PRESENTATION OF RESULTS

Experimental results are presented in tabular form in tables V and VI. In addition to the tabulated data, selected results are presented graphically in figures 3 to 32. An outline of the contents of the figures follows:

	Figure
Longitudinal Aerodynamics Characteristics	
Strake span effect	
$\Lambda_w = 30^\circ$	3
$\Lambda_w = 40^\circ$	4
$\Lambda_w = 44^\circ$	5
$\Lambda_w = 50^\circ$	6
$\Lambda_w = 59.45^\circ$	7
Mach effect	
$\Lambda_w = 50^\circ$ , Strake off	8
$\Lambda_w = 50^\circ$ , Strake I	9
$\Lambda_w = 50^\circ$ , Strake II	10
$\Lambda_w = 50^\circ$ , Strake III	11
$\Lambda_w = 59.45^\circ$ , Strake off	12
$\Lambda_w = 59.45^\circ$ , Strake I	13
$\Lambda_w = 59.45^\circ$ , Strake II	14
$\Lambda_w = 59.45^\circ$ , Strake III	15

	Figure
Gap Effect	
$\Lambda_w = 50^\circ$ , Strake II	16
$\Lambda_w = 50^\circ$ , Strake III	17
Lateral Aerodynamic Characteristics, $\beta=0$	
Strake Span Effect	
$\Lambda_w = 30^\circ$	18
$\Lambda_w = 40^\circ$	19
$\Lambda_w = 44^\circ$	20
$\Lambda_w = 50^\circ$	21
$\Lambda_w = 59.45^\circ$	22
Mach Effect	
$\Lambda_w = 50^\circ$ , Strake off	23
$\Lambda_w = 50^\circ$ , Strake I	24
$\Lambda_w = 50^\circ$ , Strake II	25
$\Lambda_w = 50^\circ$ , Strake III	26
$\Lambda_w = 59.45^\circ$ , Strake off	27
$\Lambda_w = 59.45^\circ$ , Strake I	28
$\Lambda_w = 59.45^\circ$ , Strake II	29
$\Lambda_w = 59.45^\circ$ , Strake III	30
Gap Effect	
$\Lambda_w = 50^\circ$ , Strake II	31
$\Lambda_w = 50^\circ$ , Strake III	32

In order to expedite publication, the results of this study are presented with no analysis of the aerodynamic trends associated with the parametric variation of planform geometries (figs. 8 to 15 and 18 to 30). However, a brief

discussion of the aerodynamic effects associated with flow bleeding through the unsealed gap between the forebody and afterbody segments of the model is presented in the following section.

### Gap Effect

Preliminary studies indicated that rigidly sealing the gaps between the forebody-strake and the afterbody-wing components of the strake-wing configurations incorporating wing V ( $\Lambda_w = 59.45^\circ$ ) had no effect on the total aerodynamic quantities being measured. Therefore, the results reported herein for these configurations were obtained with the gaps open. However, similar studies with the strake-wing configurations incorporating wing IV ( $\Lambda_w = 50^\circ$ ) indicated that unsealing the gaps resulted in a significant reduction not only in the maximum lift coefficient but also in the angle of attack at which  $C_{L_{max}}$  was achieved. These reductions were due to the bleed flow through the gap causing a premature bursting over the wing of the primary vortex system. Consequently, a wiper seal was devised to block the bleed flow through the gaps without appreciably fouling the nose balance measurements. The total aerodynamic quantities measured for configurations incorporating the wiper seal were found to repeat the measurements for the same configurations with the gap rigidly sealed. Therefore, the results reported herein for all strake-wing configurations incorporating the wings of  $50^\circ$  sweep or less were obtained with the wiper seal. All results were repeated with the gap rigidly sealed to assure proper vortex breakdown characteristics.

Figure 16 presents the effect of bleed flow through the gap on the longitudinal aerodynamic characteristics of the configuration incorporating strake II with the  $50^\circ$  wing. Data are presented for the gap flow blocked by the wiper seal, for the gap flow with the nominal strake-wing gap of 0.051 cm (0.020 in),

and for the gap flow with a slightly larger strake-wing gap of 0.152 cm (0.060 in). The primary effect of unsealing the gap on the total lift was to reduce the angle of attack for the maximum lift coefficient by  $4^\circ$  and to reduce the value of the maximum lift coefficient by roughly 14 percent (fig. 16a). Above  $32^\circ$  angle of attack the vortices are fully burst regardless of the gap treatment and the data repeat themselves.

Figure 17 presents the gap effects on the longitudinal aerodynamic characteristics of configuration incorporating strake III with the  $50^\circ$  wing. Data are presented for the gap covered by the wiper seal, for an open gap of approximately 0.051 cm (0.020 in), and for an open gap of approximately 4.42 cm (1.74 in). The large gap was achieved by shifting the wing longitudinally aft 4.37 cm (1.72 in). As had been the case previously, the primary effect of the bleed flow through the small gap for this configuration was to reduce the angle of attack for the maximum lift coefficient by approximately  $4^\circ$  and to reduce the value of the maximum lift coefficient by approximately 10% (fig. 17a). The configuration incorporating the large gap began to steadily lose total lift above  $16^\circ$  angle of attack compared to the configuration incorporating the wiper seal but by  $34^\circ$  angle of attack all three configurations exhibited roughly the same lift characteristics.

To summarize, appreciable changes in the high angle of attack aerodynamic characteristics associated with vortex breakdown can occur if flow is allowed to bleed through the forebody-afterbody gap. These effects were eliminated in the present investigation by using a wiper seal which blocked the gap flow but did not appreciably foul the nose balance measurements.

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TABLE I.- GEOMETRIC CHARACTERISTICS OF MODEL

Body	
length, cm (in.)	96.589 (38.027)
forebody - afterbody gap, cm (in.)	0.196 ( 0.077)
Wings I, II, III, IV, V	
A	2.5
b/2 cm, in.	25.400 (10.000)
$\lambda$	0.2
$\Lambda_w$ , deg	
Wing I	30
Wing II	40
Wing III	44
Wing IV	50
Wing V	59.45
$\bar{c}$ , cm (in.)	23.327 ( 9.184)
Longitudinal model station of wing apex, cm (in.)	47.747 (18.798)
Longitudinal model station of moment reference point, cm (in.)	55.197 (21.731)
Airfoil section	circular arc
$S_w$ , cm <sup>2</sup> (in <sup>2</sup> )	1032 (159.970)
Root chord at fuselage center line, cm (in.)	33.863 (13.332)
Tip chord, cm (in.)	6.769 ( 2.665)
Chord at wing fuselage juncture, cm (in.)	29.799 (11.732)
Maximum thickness, percent chord, at -	
wing-fuselage juncture	6.0
tip	4.0
Strakes I, II, III	
Basic planform	see table II
Coordinates of trailing edge at maximum semispan	see table III
$S_c/S_w$	see table IV
Longitudinal model station of strake apex, cm (in.)	15.494 (6.100)
Root chord at strake-fuselage juncture, cm (in.)	32.131 (12.650)
Crosssection	sharp edged, flat plate
Thickness, cm (in.)	0.318 (0.125)
bevel semi angle, deg	10.85
Verticle Tail	
$\Lambda_t$ , deg	51.7
exposed span, cm (in.)	13.442 (5.292)
chord at tail-fuselage juncture, cm (in.)	17.917 (7.054)
tip chord, cm (in.)	3.586 (1.412)
$S_t$ , cm <sup>2</sup> (in <sup>2</sup> )	144.523 (22.401)
longitudinal model station of apex, cm (in.)	82.271 (32.390)
airfoil section	circular arc
Maximum thickness, percent chord, at -	
tail-fuselage juncture	6.0
tip	4.0

TABLE II.- BASIC STRAKE PLANFORM COORDINATES

x cm (in.)	Y cm (in.)		
	$Y_{\max} = 2.540 (1.000)$	$Y_{\max} = 5.080 (2.000)$	$Y_{\max} = 7.620 (3.000)$
0	0	0	0
19.050 ( 7.500)	1.080 (0.425)	2.159 (0.850)	3.239 (1.275)
20.320 ( 8.000)	1.163 (0.458)	2.324 (0.915)	3.487 (1.373)
21.590 ( 8.500)	1.270 (0.500)	2.540 (1.000)	3.810 (1.500)
22.860 ( 9.000)	1.397 (0.550)	2.794 (1.100)	4.191 (1.650)
29.210 (11.500)	2.045 (0.805)	4.089 (1.610)	6.134 (2.415)
30.480 (12.000)	2.159 (0.850)	4.318 (1.700)	6.477 (2.550)
33.020 (13.000)	2.350 (0.925)	4.698 (1.850)	7.049 (2.775)
34.290 (13.500)	2.426 (0.955)	4.851 (1.910)	7.277 (2.865)
35.560 (14.000)	2.484 (0.978)	4.966 (1.955)	7.450 (2.933)
36.830 (14.500)	2.535 (0.998)	5.067 (1.995)	7.602 (2.993)
38.100 (15.000)	2.540 (1.000)	5.080 (2.000)	7.620 (3.000)
46.947 (18.483)	2.540 (1.000)	5.080 (2.000)	7.620 (3.000)



TABLE III.-- INTERSECTION COORDINATES OF STRAKE LEADING AND TRAILING EDGES\*

$\Lambda_w$ , deg \ / \ $y_{max}$	2.540 (1.000)	5.080 (2.000)	7.620 (3.000)
30	(35.469, 2.479) (13.964, 0.976)	(36.962, 5.080) (14.552, 2.000)	(38.435, 7.620) (15.132, 3.000)
40	(36.139, 2.507) (14.228, 0.987)	(38.298, 5.080) (15.078, 2.000)	(40.429, 7.620) (15.917, 3.000)
44	(36.469, 2.520) (14.358, 0.992)	(38.941, 5.080) (15.331, 2.000)	(41.394, 7.620) (16.297, 3.000)
50	(37.059, 2.535) (14.590, 0.998)	(40.091, 5.080) (15.784, 2.000)	(43.117, 7.620) (16.975, 3.000)
59.45	(38.339, 2.540) (15.094, 1.000)	(42.644, 5.080) (16.789, 2.000)	(46.947, 7.620) (18.483, 3.000)

\*Paired (x,y) coordinates with respect to the axis system of figure 2 presented in centimeters and inches.

TABLE IV.- EXPOSED STRAKE AREA IN PERCENT WING REFERENCE AREA

$$(S_{\text{ref}} = 1032 \text{ cm}^2 (159.970 \text{ in}^2))$$

$\Lambda_w$ , deg \diagdown cm(in) \diagup (b/2) <sub>s</sub>	2.540 (1.000)	5.080 (2.000)	7.620 (3.000)
30	0.07444	0.15591	0.24469
40	0.07602	0.16246	0.25941
44	0.07679	0.16563	0.26654
50	0.07819	0.17128	0.27925
59.45	0.08133	0.18384	0.30753

TABLE V.- TEST CONFIGURATIONS

Run as listed in table VI	$\Lambda_w$ , deg	Strake	Mach	GAP <sup>1</sup>	$\Lambda_{te,s}$ , deg
4	59.45	III	.7	open	59.45
5	59.45	III	.5	open	59.45
6	59.45	III	.3	open	59.45
22	59.45	II	.7	open	59.45
25	59.45	II	.7	open	59.45
23	59.45	II	.5	open	59.45
26	59.45	II	.3	open	59.45
38	59.45	I	.7	open	59.45
39	59.45	I	.5	open	59.45
40	59.45	I	.3	open	59.45
19	59.45	off	.7	open	---
20	59.45	off	.5	open	---
21	59.45	off	.3	open	---
51	50	III	.8	sealed	50
75	50	III	.7	sealed	50
76	50	III	.5	sealed	50
77	50	III	.3	sealed	50
69	50	II	.7	sealed	50
68	50	II	.5	sealed	50
74	50	II	.3	sealed	50
78	50	I	.7	sealed	50
79	50	I	.5	sealed	50
80	50	I	.3	sealed	50
85	50	off	.7	sealed	---
86	50	off	.5	sealed	---
87	50	off	.3	sealed	---
97	44	III	.3	sealed	44
101	44	II	.3	sealed	44
108	44	I	.3	sealed	44
88	44	off	.3	sealed	---
121	40	III	.3	sealed	40
115	40	II	.3	sealed	40
118	40	I	.3	sealed	40
154	40	off	.3	sealed	---
143	30	III	.3	sealed	30
145	30	III	.3	sealed	30
129	30	II	.3	sealed	30
136	30	I	.3	sealed	30
151	30	off	.3	sealed	---

<sup>1</sup>The gap was either open with a nominal width of 0.051 cm (0.020 in.) or sealed by the wiper seal. Other values of unsealed gap width are tabulated in cm.

TABLE V.- CONCLUDED.

Run as listed in table VI	$\Lambda_w$ ,deg	Strake	Mach	GAP	$\Lambda_{te,s}$ ,deg
13	off	III	.7	---	59.45
15	off	III	.5	---	59.45
16	off	III	.3	---	59.45
35	off	II	.7	---	59.45
36	off	II	.5	---	59.45
37	off	II	.3	---	59.45
46	off	I	.7	---	59.45
47	off	I	.5	---	59.45
48	off	I	.3	---	59.45
56	off	III	.7	---	50
57	off	III	.5	---	50
58	off	III	.3	---	50
70	off	II	.7	---	50
71	off	II	.5	---	50
72	off	II	.3	---	50
82	off	I	.7	---	50
83	off	I	.5	---	50
84	off	I	.3	---	50
100	off	III	.3	---	44
107	off	II	.3	---	44
114	off	I	.3	---	44
123	off	III	.3	---	40
117	off	II	.3	---	40
120	off	I	.3	---	40
146	off	III	.3	---	30
131	off	II	.3	---	30
138	off	I	.3	---	30
49	50	III	.3	open	50
59	50	III	.3	4.37	50
60	50	III	.8	4.37	50
63	50	II	.3	open	50
61	50	II	.3	.152	50

TABLE VI.- TABULATED RESULTS

The symbols used for the tabulated main balance data appear below. The same symbols with the numeral 2 at the end apply to the strake balance data.

TP	test point number
MACH	free-stream Mach number
Q	free-stream dynamic pressure, Pa.
ALPHA	angle of attack, deg
BETA	angle of sideslip, deg.
CL	lift coefficient, stability axis
CD	drag coefficient, stability axis
CMS	pitching-moment coefficient, stability axis
CRMS	rolling-moment coefficient, stability axis
CYMS	yawing-moment coefficient, stability axis
CYS	side-force coefficient, stability axis
CDC	correction coefficient for chamber pressure subtracted from uncorrected drag coefficient
CDB	correction coefficient for base pressure subtracted from uncorrected drag coefficient
CN	normal-force coefficient, body axis
CA	axial-force coefficient, body axis
CM	pitching-moment coefficient, body axis
CRM	rolling-moment coefficient, body axis
CYM	yawing-moment coefficient, body axis
CY	side-force coefficient, body axis

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
10614	.700	25118.1	-4.49	-0.02	-.0180	.0161	.0021	.0004	-.0028	.0053	.0061
10615	.699	25078.2	-3.89	-0.11	-.1908	.0275	.0427	.0003	-.0029	.0074	.0061
10616	.700	25113.6	-1.87	-0.06	-.0741	.0167	.0006	.0006	-.0026	.0070	.0062
10617	.699	25085.0	-0.63	-0.03	-.0099	.0165	.0003	.0006	-.0024	.0065	.0062
10618	.700	25101.0	1.90	.03	.1169	.0194	-.0327	.0005	-.0024	.0062	.0060
10619	.700	25108.5	4.01	.05	.2243	.0293	-.0583	.0007	-.0022	.0066	.0064
10620	.700	25093.2	5.92	.11	.3636	.0508	-.0882	.0009	-.0016	.0048	.0067
10621	.700	25092.4	7.86	.15	.4654	.0768	-.1012	.0004	-.0014	.0043	.0069
10623	.700	25134.8	9.93	.16	.5850	.1147	-.1054	.0003	-.0011	.0037	.0071
10624	.701	25143.1	11.78	.20	.6925	.1568	-.1032	.0004	-.0008	.0021	.0071
10625	.701	25147.1	13.97	.31	.8148	.2146	-.0998	.0004	-.0009	.0006	.0071
10626	.699	25084.9	15.70	.39	.9304	.2723	-.1083	.0008	-.0005	-.0016	.0070
10627	.700	25107.0	17.88	.48	1.0732	.3543	-.1141	.0015	.0001	-.0038	.0070
10628	.700	25099.7	20.03	.51	1.2285	.4530	-.1205	.0007	.0014	-.0066	.0071
10629	.700	25123.6	21.74	.71	1.3109	.5260	-.1197	.0004	.0009	-.0063	.0069
10630	.698	25022.1	23.84	.84	1.4526	.6426	-.1203	.0010	.0008	-.0082	.0064
10631	.703	25252.4	25.90	.94	1.5512	.7532	-.1224	.0014	.0013	-.0106	.0062
10632	.700	25113.6	-.51	-0.05	-.0184	.0164	.0024	.0005	-.0026	.0035	.0062

TEST TP	24 MACH	Q PA	RUN ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY
10614	.700	25118.1	-4.49	-0.02	-.0181	.0159	.0021	.0004	-.0028	.0053
10615	.699	25078.2	-3.89	-0.11	-.1922	.0145	.0427	.0001	-.0029	.0074
10616	.700	25113.6	-1.87	-0.06	-.0747	.0159	.0167	.0006	-.0026	.0070
10617	.699	25085.0	-0.63	-0.03	-.0101	.0003	.0003	.0006	-.0025	.0065
10618	.700	25101.0	1.90	.03	.1175	.0155	-.0327	.0006	-.0023	.0062
10619	.700	25108.5	4.01	.05	.2258	.0136	-.0583	.0009	-.0022	.0066
10620	.700	25093.2	5.92	.11	.3669	.0130	-.0882	.0011	-.0015	.0048
10621	.700	25092.4	7.86	.15	.4715	.0124	-.1012	.0006	-.0013	.0043
10623	.700	25134.8	9.93	.16	.5960	.0121	-.1054	.0005	-.0010	.0037
10624	.701	25143.1	11.78	.20	.7100	.0121	-.1032	.0006	-.0007	.0021
10625	.701	25147.1	13.97	.31	.8425	.0115	-.0998	.0006	-.0008	.0006
10626	.699	25084.9	15.70	.39	.9693	.0105	-.1083	.0009	-.0002	-.0016
10627	.700	25107.0	17.88	.48	1.1301	.0077	-.1141	.0014	.0005	-.0038
10628	.700	25099.7	20.03	.51	1.3093	.0049	-.1205	.0002	.0015	-.0066
10629	.700	25128.6	21.74	.71	1.4125	.0030	-.1197	.0001	.0010	-.0063
10630	.698	25022.1	23.84	.84	1.5884	.0007	-.1203	.0006	.0011	-.0082
10631	.703	25252.4	25.90	.94	1.7243	-.0001	-.1224	.0006	.0018	-.0106
10632	.700	25113.6	-.51	-0.05	-.0186	.0162	.0024	.0005	-.0026	.0035

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CD82
10614	.700	25118.1	-4.49	-0.03	-.0053	.0060	-.0054	.0002	.0001	-.0002	.0004
10615	.699	25078.2	-3.89	-0.16	-.0550	.0092	-.0479	.0003	.0001	-.0000	.0009
10616	.700	25113.6	-1.87	-0.08	-.0201	.0065	-.0188	.0003	.0000	-.0001	.0007
10617	.699	25085.0	-0.63	-0.04	-.0036	.0062	-.0039	.0002	-.0001	-.0002	.0004
10618	.700	25101.0	1.90	.05	.0287	.0073	.0252	.0003	-.0001	-.0002	.0003
10619	.700	25108.5	4.01	.10	.0611	.0100	.0517	.0005	.0001	.0002	.0006
10620	.700	25093.2	5.92	.19	.1066	.0164	.0878	.0005	-.0001	.0002	.0008
10621	.700	25092.4	7.86	.25	.1425	.0244	.1166	.0004	-.0001	.0003	.0010
10623	.700	25134.8	9.93	.29	.1891	.0369	.1549	.0004	-.0002	.0002	.0015
10624	.701	25143.1	11.78	.36	.2330	.0517	.1914	.0004	-.0003	.0002	.0021
10625	.701	25147.1	13.97	.49	.2833	.0719	.2342	.0003	-.0006	-.0007	.0032
10626	.699	25084.9	15.69	.59	.3249	.0912	.2706	.0002	-.0007	-.0012	.0043
10627	.700	25107.0	17.87	.71	.3709	.1164	.3144	-.0001	-.0015	-.0056	.0063
10628	.700	25099.7	20.02	.77	.4087	.1420	.3584	-.0007	-.0019	-.0073	.0080
10629	.700	25128.6	21.73	.99	.4301	.1619	.3855	-.0008	-.0020	-.0076	.0092
10630	.698	25022.1	23.83	1.14	.4696	.1903	.4324	-.0010	-.0020	-.0082	.0114
10631	.703	25252.4	25.89	1.27	.4986	.2146	.4691	-.0010	-.0022	-.0085	.0134
10632	.700	25113.6	-.51	-0.05	-.0057	.0060	-.0060	.0002	-.0005	-.0009	.0004

TEST TP	24 MACH	Q PA	RUN ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
10614	.700	25118.1	-4.49	-0.03	-.0053	.0060	-.0054	.0002	.0001	-.0002	.0001
10615	.699	25078.2	-3.89	-0.16	-.0555	.0054	-.0479	.0003	.0001	-.0000	.0002
10616	.700	25113.6	-1.87	-0.08	-.0203	.0058	-.0188	.0003	-.0000	-.0001	.0002
10617	.699	25085.0	-0.63	-0.04	-.0037	.0061	-.0039	.0002	-.0001	-.0002	.0001
10618	.700	25101.0	1.90	.05	.0289	.0063	.0252	.0003	-.0001	-.0002	.0001
10619	.700	25108.5	4.01	.10	.0616	.0058	.0517	.0005	.0002	.0002	.0002
10620	.700	25093.2	5.92	.19	.1078	.0053	.0878	.0005	-.0000	.0002	.0002
10621	.700	25092.4	7.86	.25	.1445	.0047	.1166	.0004	-.0001	.0003	.0002
10623	.700	25134.8	9.93	.29	.1926	.0038	.1549	.0005	-.0001	.0002	.0004
10624	.701	25143.1	11.78	.36	.2387	.0030	.1914	.0005	-.0002	.0002	.0005
10625	.701	25147.1	13.97	.49	.2923	.0014	.2342	.0005	-.0005	-.0007	.0008
10626	.699	25084.9	15.69	.59	.3375	-.0000	.2706	.0004	-.0006	-.0012	.0011
10627	.700	25107.0	17.87	.71	.3887	-.0031	.3144	.0003	-.0015	-.0056	.0016
10628	.700	25099.7	20.02	.77	.4326	-.0065	.3584	.0000	-.0021	-.0073	.0021
10629	.700	25128.6	21.73	.99	.4594	-.0089	.3855	-.0000	-.0021	-.0076	.0024
10630	.698	25022.1	23.83	1.14	.5065	-.0157	.4324	-.0001	-.0022	-.0082	.0030
10631	.703	25252.4	25.89	1.27	.5422	-.0247	.4691	.0001	-.0024	-.0085	.0035
10632	.700	25113.6	-.51	-0.05	-.0057	.0059	-.0060	.0002	-.0005	-.0009	.0001

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TEST TP	24 MACH	Q PA	RUN ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
10633	.498	14897.8	-.51	-.03	-.0222	.0172	.0029	.0002	-.0024	.0048	.0059
10634	.499	14946.6	-3.78	-.07	-.1803	.0271	.0364	-.0002	-.0021	.0057	.0058
10635	.499	14933.0	-1.79	-.03	-.0757	.0187	.0149	.0004	-.0021	.0056	.0059
10636	.499	14970.1	-.63	-.01	-.0133	.0169	.0006	.0003	-.0019	.0050	.0060
10637	.501	15050.7	1.90	.01	.1055	.0193	-.0278	.0004	-.0016	.0034	.0058
10638	.500	15010.4	4.00	.04	.2242	.0297	-.0521	.0003	-.0014	.0025	.0061
10639	.500	15007.2	5.87	.05	.3279	.0466	-.0735	.0003	-.0009	.0009	.0063
10640	.498	14903.9	7.91	.08	.4683	.0776	-.0867	.0004	-.0007	-.0002	.0066
10641	.500	14983.1	9.86	.08	.5773	.1128	-.0848	.0004	-.0007	-.0004	.0067
10642	.504	15193.2	11.97	.10	.6975	.1601	-.0767	.0003	-.0002	-.0023	.0065
10643	.501	15039.5	13.94	.12	.8168	.2147	-.0736	.0009	.0004	-.0044	.0064
10644	.501	15032.6	15.90	.13	.9271	.2749	-.0786	.0005	.0003	-.0052	.0062
10645	.500	14998.5	17.89	.16	1.0786	.3577	-.0829	.0001	-.0006	-.0051	.0067
10646	.500	14988.2	19.86	.34	1.1921	.4385	-.0901	-.0003	-.0001	-.0076	.0070
10647	.500	14973.1	21.74	.38	1.3082	.5266	-.0891	-.0006	.0004	-.0094	.0066
10648	.499	14962.5	23.91	.45	1.4425	.6417	-.0874	.0007	.0014	-.0135	.0064
10649	.500	15014.5	25.81	.44	1.5838	.7660	-.0839	.0009	.0022	-.0151	.0059
10650	.501	15049.0	27.66	.48	1.6516	.8629	-.0728	.0013	.0029	-.0176	.0053
10651	.500	15018.6	29.69	1.05	1.7501	.9914	-.0503	.0020	.0037	-.0206	.0044
10652	.500	15011.9	31.71	.54	1.8216	1.1153	-.0099	.0032	.0016	-.0179	.0048
10653	.502	15077.2	33.93	.54	1.7268	1.1461	.0998	.0022	.0046	-.0166	.0092
10654	.501	15025.2	-.52	-.02	-.0290	.0167	.0041	-.0002	-.0023	-.0036	.0059

TEST TP	24 MACH	Q PA	RUN ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY
10633	.498	14897.8	-.51	-.03	-.0224	.0170	.0029	.0001	-.0024	.0048
10634	.499	14946.6	-3.78	-.07	-.1817	.0151	.0364	-.0004	-.0021	.0057
10635	.499	14933.0	-1.79	-.03	-.0763	.0164	.0149	.0003	-.0021	.0056
10636	.499	14970.1	-.63	-.01	-.0135	.0168	.0006	.0003	-.0019	.0050
10637	.501	15050.7	1.90	.01	.1061	.0158	-.0278	.0004	-.0016	.0034
10638	.500	15010.4	4.00	.04	.2258	.0140	-.0521	.0004	-.0014	.0025
10639	.500	15007.2	5.87	.05	.3309	.0128	-.0735	.0004	-.0009	.0009
10640	.498	14903.9	7.91	.08	.4745	.0124	-.0867	.0005	-.0006	-.0002
10641	.500	14983.1	9.86	.08	.5881	.0123	-.0848	.0005	-.0006	-.0004
10642	.504	15193.2	11.97	.10	.7155	.0119	-.0767	.0003	-.0011	-.0023
10643	.501	15039.5	13.94	.12	.8445	.0116	-.0735	.0008	.0006	-.0044
10644	.501	15032.6	15.90	.13	.9669	.0104	-.0786	.0004	.0004	-.0052
10645	.500	14998.5	17.89	.16	1.1363	.0092	-.0829	.0002	-.0005	-.0051
10646	.500	14988.2	19.86	.34	1.2702	.0074	-.0901	-.0002	-.0002	-.0076
10647	.500	14973.1	21.74	.38	1.4102	.0047	-.0891	-.0007	.0001	-.0094
10648	.499	14962.5	23.91	.45	1.5788	.0020	-.0874	.0000	.0016	-.0135
10649	.500	15014.5	25.81	.44	1.7593	-.0000	-.0839	-.0002	.0024	-.0151
10650	.501	15049.0	27.66	.48	1.8635	-.0026	-.0728	-.0002	.0031	-.0176
10651	.500	15018.6	29.69	1.05	2.0114	-.0057	-.0503	-.0001	.0042	-.0206
10652	.500	15011.9	31.71	.54	2.1359	-.0086	-.0099	.0019	.0031	-.0179
10653	.502	15077.2	33.93	.54	2.0725	-.0130	.0998	-.0008	.0051	-.0166
10654	.501	15025.2	-.52	-.02	-.0292	.0164	.0041	-.0002	-.0023	-.0036

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 5		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
10633	.498	14897.8	-5.51	-.03	-.0059	.0063	-.0065	.0002	.0000	-.0002	.0002
10634	.499	14946.6	-3.78	-.12	-.0533	.0092	-.0469	.0003	.0004	.0004	.0009
10635	.499	14933.0	-1.79	-.06	-.0202	.0066	-.0194	.0002	.0003	.0004	.0006
10636	.499	14970.1	-.63	-.02	-.0032	.0063	-.0039	.0002	.0004	.0005	.0003
10637	.501	15050.7	1.90	.04	.0289	.0073	.0250	.0003	.0003	.0005	.0002
10638	.500	15010.4	4.00	.09	.0670	.0105	.0558	.0004	.0001	.0002	.0006
10639	.500	15007.2	5.87	.13	.1011	.0156	.0832	.0004	.0000	.0004	.0007
10640	.498	14903.9	7.91	.18	.1534	.0261	.1254	.0005	-.0001	.0004	.0009
10641	.500	14983.1	9.86	.21	.1986	.0336	.1626	.0005	.0000	.0005	.0012
10642	.504	15193.2	11.97	.25	.2508	.0563	.2064	.0004	-.0003	.0002	.0017
10643	.501	15039.5	13.94	.30	.3002	.0767	.2483	-.0005	-.0004	.0000	.0023
10644	.501	15032.6	15.89	.34	.3423	.0963	.2847	.0004	-.0006	-.0003	.0031
10645	.500	14998.5	17.88	.39	.4025	.1292	.3373	.0004	-.0006	-.0002	.0047
10646	.500	14988.2	19.86	.59	.4468	.1587	.3778	.0002	-.0009	-.0008	.0064
10647	.500	14973.1	21.73	.66	.4924	.1910	.4223	-.0002	-.0011	-.0020	.0083
10648	.499	14962.5	23.90	.75	.5444	.2327	.4746	-.0003	-.0015	-.0033	.0113
10649	.500	15014.5	25.80	.76	.5985	.2762	.5296	-.0011	-.0031	-.0119	.0145
10650	.501	15049.0	27.66	.83	.6160	.3048	.5579	-.0014	-.0032	-.0129	.0158
10651	.500	15018.6	29.68	1.42	.6452	.3452	.6026	-.0020	-.0034	-.0142	.0175
10652	.500	15011.9	31.70	.93	.6717	.3886	.6470	-.0019	-.0028	-.0133	.0192
10653	.502	15077.2	33.93	.95	.7044	.4448	.7048	-.0018	-.0020	-.0115	.0178
10654	.501	15025.2	-.52	-.03	-.0073	.0061	-.0077	.0002	-.0007	-.0014	.0001

TEST TP	24 MACH	Q PA	RUN 5		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
10633	.498	14897.8	-5.51	-.03	-.0060	.0063	-.0065	.0002	.0000	-.0002	.0001
10634	.499	14946.6	-3.78	-.12	-.0537	.0057	-.0469	.0003	.0004	.0004	.0002
10635	.499	14933.0	-1.79	-.06	-.0204	.0059	-.0194	.0003	.0003	.0004	.0002
10636	.499	14970.1	-.63	-.02	-.0032	.0063	-.0039	.0002	.0004	.0005	.0001
10637	.501	15050.7	1.90	.04	.0291	.0063	.0250	.0003	.0003	.0005	.0001
10638	.500	15010.4	4.00	.09	.0676	.0058	.0558	.0004	.0001	.0002	.0002
10639	.500	15007.2	5.87	.13	.1021	.0052	.0832	.0004	.0001	.0004	.0002
10640	.498	14903.9	7.91	.18	.1556	.0048	.1254	.0005	-.0000	.0004	.0002
10641	.500	14983.1	9.86	.21	.2023	.0040	.1626	.0005	.0001	.0005	.0003
10642	.504	15193.2	11.97	.25	.2570	.0031	.2064	.0005	-.0002	.0002	.0004
10643	.501	15039.5	13.94	.30	.3099	.0021	.2483	.0006	-.0003	.0000	.0006
10644	.501	15032.6	15.89	.34	.3561	.0008	.2847	.0005	-.0005	-.0003	.0008
10645	.500	14998.5	17.88	.39	.4227	-.0007	.3373	.0005	-.0005	-.0002	.0012
10646	.500	14988.2	19.86	.59	.4742	-.0025	.3778	.0005	-.0008	-.0008	.0016
10647	.500	14973.1	21.73	.66	.5282	-.0049	.4223	.0003	-.0011	-.0020	.0021
10648	.499	14962.5	23.90	.75	.5920	-.0079	.4746	.0004	-.0015	-.0033	.0029
10649	.500	15014.5	25.80	.76	.6590	-.0119	.5296	.0003	-.0033	-.0119	.0038
10650	.501	15049.0	27.66	.83	.6871	-.0160	.5579	.0002	-.0035	-.0129	.0041
10651	.500	15018.6	29.68	1.42	.7315	-.0196	.6026	-.0000	-.0039	-.0142	.0046
10652	.500	15011.9	31.70	.93	.7757	-.0223	.6470	-.0002	-.0034	-.0133	.0052
10653	.502	15077.2	33.93	.95	.8328	-.0241	.7048	-.0003	-.0026	-.0115	.0048
10654	.501	15025.2	-.52	-.03	-.0074	.0060	-.0077	.0002	-.0007	-.0014	.0001



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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN ALPHA 6 DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
10655	.301	6059.2	-0.50	-0.01	-0.0406	.0170	.0070	-.0007	-.0014	-.0072	.0057
10656	.301	6041.7	-3.92	-0.09	-.2112	.0298	.0408	-.0009	-.0013	-.0111	.0057
10657	.301	6061.1	-1.86	-0.04	-.1044	.0198	.0197	-.0007	-.0014	-.0106	.0056
10658	.301	6060.4	-.65	-0.01	-.0336	.0185	.0046	-.0003	-.0012	-.0122	.0057
10659	.300	6038.5	1.96	.03	.0894	.0196	-.0226	-.0009	-.0006	-.0099	.0056
10660	.301	6049.8	3.88	.10	.1934	.0282	-.0428	-.0005	-.0006	-.0146	.0059
10661	.301	6047.5	6.13	.14	.3197	.0472	-.0679	-.0003	-.0003	-.0157	.0061
10662	.300	6033.9	7.90	.22	.4410	.0740	-.0754	-.0005	-.0001	-.0188	.0063
10663	.300	6028.5	9.87	.26	.5347	.1047	-.0720	-.0001	-.0000	-.0197	.0063
10664	.299	5999.2	11.90	.30	.6625	.1521	-.0606	-.0001	.0003	-.0213	.0060
10665	.300	6013.0	13.95	.40	.7866	.2078	-.0551	.0000	.0003	-.0232	.0057
10666	.300	6021.6	15.86	.42	.9302	.2758	-.0638	-.0005	.0005	-.0236	.0062
10667	.300	6006.5	17.77	.43	1.0643	.3506	-.0725	-.0004	.0011	-.0256	.0065
10668	.300	6020.6	19.80	.41	1.1799	.4311	-.0738	-.0004	.0018	-.0265	.0064
10669	.300	6006.0	21.76	.38	1.3306	.5358	-.0697	.0005	.0024	-.0271	.0060
10670	.300	6029.7	23.69	.30	1.4915	.6389	-.0631	.0010	.0030	-.0289	.0058
10671	.300	6036.7	25.61	.37	1.5454	.7383	-.0561	.0010	.0035	-.0305	.0055
10672	.300	6037.4	27.72	.49	1.6764	.8749	-.0358	.0008	.0045	-.0345	.0050
10673	.301	6052.9	29.86	.49	1.7666	1.0034	-.0123	.0018	.0052	-.0356	.0044
10674	.300	6035.4	31.84	.49	1.8005	1.1037	.0516	.0021	.0026	-.0344	.0050
10675	.301	6052.2	33.74	.64	1.7144	1.1275	.1236	.0024	.0053	-.0364	.0075
10676	.301	6062.9	35.70	.71	1.7454	1.2327	.1300	.0025	.0057	-.0368	.0077
10677	.299	5983.2	37.87	.67	1.7789	1.3574	.1361	.0027	.0067	-.0355	.0078
10678	.301	6054.2	39.50	.76	1.7737	1.4324	.1409	.0038	.0061	-.0387	.0083
10679	.300	6003.3	41.62	.85	1.7568	1.5267	.1639	.0026	.0056	-.0346	.0107
10680	.300	6035.9	-.49	.00	-.0472	.0174	.0076	-.0005	-.0012	-.0185	.0056

TEST TP	24 MACH	Q PA	RUN ALPHA 6 DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY
10655	.301	6059.2	-0.50	-0.01	-.0407	.0167	.0070	-.0007	-.0014	-.0072
10656	.301	6041.7	-3.92	-0.09	-.2127	.0153	.0408	-.0010	-.0012	-.0111
10657	.301	6061.1	-1.86	-0.04	-.1049	.0164	.0197	-.0008	-.0014	-.0106
10658	.301	6060.4	-.65	-0.01	-.0338	.0181	.0046	-.0004	-.0012	-.0122
10659	.300	6038.5	1.96	.03	.0900	.0165	-.0226	-.0009	-.0006	-.0099
10660	.301	6049.8	3.88	.10	.1948	.0150	-.0428	-.0005	-.0007	-.0146
10661	.301	6047.5	6.13	.14	.3229	.0128	-.0679	-.0002	-.0004	-.0157
10662	.300	6033.9	7.90	.22	.4470	.0127	-.0754	-.0005	-.0002	-.0188
10663	.300	6028.5	9.87	.26	.5447	.0114	-.0720	-.0001	-.0000	-.0197
10664	.299	5999.2	11.90	.30	.6796	.0122	-.0606	-.0001	.0002	-.0213
10665	.300	6013.0	13.95	.40	.8134	.0120	-.0551	-.0001	.0003	-.0232
10666	.300	6021.6	15.86	.42	.9702	.0111	-.0638	-.0006	.0003	-.0236
10667	.300	6006.5	17.77	.43	1.1206	.0089	-.0725	-.0008	.0009	-.0256
10668	.300	6020.6	19.80	.41	1.2561	.0059	-.0738	-.0010	.0015	-.0265
10669	.300	6006.0	21.76	.38	1.4344	.0042	-.0697	-.0004	.0024	-.0271
10670	.300	6029.7	23.69	.30	1.5859	.0018	-.0631	-.0003	.0031	-.0289
10671	.300	6036.7	25.61	.37	1.7127	-.0022	-.0561	-.0006	.0036	-.0305
10672	.300	6037.4	27.72	.49	1.8910	-.0053	-.0358	-.0014	.0044	-.0345
10673	.301	6052.9	29.86	.49	2.0317	-.0094	-.0123	-.0010	.0054	-.0356
10674	.300	6035.4	31.84	.49	2.1118	-.0122	.0516	.0004	.0033	-.0344
10675	.301	6052.2	33.74	.64	2.0519	-.0148	.1236	-.0010	.0057	-.0364
10676	.301	6062.9	35.70	.71	2.1368	-.0176	.1300	-.0013	.0061	-.0368
10677	.299	5983.2	37.87	.67	2.2376	-.0204	.1361	-.0020	.0069	-.0355
10678	.301	6054.2	39.50	.76	2.2798	-.0231	.1409	-.0010	.0071	-.0387
10679	.300	6003.3	41.62	.85	2.3274	-.0253	.1639	-.0018	.0059	-.0346
10680	.300	6035.9	-.49	.00	-.0474	.0170	.0076	-.0005	-.0012	-.0185

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS?	CRMS2	CYMS2	CYS2	CDB2
10655	.301	6059.2	-50	-.01	-.0069	.0067	-.0063	.0002	-.0008	-.0014	.0001
10656	.301	6041.7	-3.91	-.14	-.0596	.0100	-.0532	.0003	-.0010	-.0022	.0007
10657	.301	6061.1	-1.86	-.06	-.0252	.0070	-.0247	.0003	-.0010	-.0021	.0004
10658	.301	6060.4	-.65	-.02	-.0052	.0069	-.0067	.0002	-.0011	-.0021	.0001
10659	.300	6038.5	1.95	.06	.0310	.0077	.0261	.0003	-.0005	-.0007	.0001
10660	.301	6049.8	3.88	.15	.0633	.0104	.0518	.0003	-.0013	-.0019	.0004
10661	.301	6047.5	6.13	.22	.1058	.0166	.0860	.0003	-.0011	-.0015	.0006
10662	.300	6033.9	7.90	.32	.1530	.0262	.1243	.0002	-.0015	-.0022	.0008
10663	.300	6028.5	9.87	.39	.1934	.0376	.1577	.0002	-.0016	-.0024	.0009
10664	.299	5999.2	11.90	.45	.2501	.0562	.2050	.0002	-.0017	-.0022	.0012
10665	.300	6013.0	13.95	.58	.3029	.0776	.2497	.0001	-.0020	-.0027	.0015
10666	.300	6021.6	15.85	.62	.3584	.1031	.2972	.0001	-.0018	-.0024	.0019
10667	.300	6006.5	17.77	.65	.4104	.1313	.3421	-.0001	-.0019	-.0027	.0028
10668	.300	6020.6	19.80	.66	.4580	.1625	.3849	-.0003	-.0019	-.0026	.0038
10669	.300	6006.0	21.76	.65	.5216	.2045	.4433	-.0003	-.0017	-.0022	.0053
10670	.300	6029.7	23.69	.60	.5743	.2463	.4940	-.0003	-.0015	-.0020	.0068
10671	.300	6036.7	25.60	.69	.6165	.2870	.5371	-.0006	-.0019	-.0029	.0082
10672	.300	6037.4	27.71	.83	.6813	.3468	.6020	-.0009	-.0018	-.0031	.0104
10673	.301	6052.9	29.85	.86	.7289	.4040	.6554	-.0011	-.0018	-.0031	.0121
10674	.300	6035.4	31.83	.89	.7699	.4605	.7070	-.0014	-.0021	-.0035	.0135
10675	.301	6052.2	33.74	1.05	.7548	.4840	.7329	-.0016	-.0020	-.0036	.0110
10676	.301	6062.9	35.69	1.14	.7632	.5254	.7656	-.0016	-.0017	-.0033	.0124
10677	.299	5983.2	37.86	1.13	.7727	.5740	.8036	-.0015	-.0014	-.0027	.0135
10678	.301	6054.2	39.49	1.23	.7685	.6033	.8221	-.0014	-.0017	-.0032	.0137
10679	.300	6003.3	41.60	1.35	.7639	.6445	.8551	-.0018	-.0018	-.0035	.0134
10680	.300	6035.9	-4.9	-.01	-.0079	.0062	-.0090	.0002	-.0013	-.0023	.0070

TEST TP	24 MACH	Q PA	RUN ALPHA2 DEG	BETA2 DEG	CM2	CA2	CM2	CRM2	CYM2	CY2	CDC2
10655	.301	6059.2	-50	-.01	-.0070	.0066	-.0083	.0002	-.0008	-.0014	.0001
10656	.301	6041.7	-3.91	-.14	-.0601	.0059	-.0532	.0003	-.0010	-.0022	.0002
10657	.301	6061.1	-1.86	-.06	-.0254	.0062	-.0247	.0002	-.0010	-.0021	.0002
10658	.301	6060.4	-.65	-.02	-.0053	.0069	-.0067	.0002	-.0011	-.0021	.0001
10659	.300	6038.5	1.95	.06	.0312	.0067	.0261	.0003	-.0005	-.0007	.0001
10660	.301	6049.8	3.88	.15	.0639	.0061	.0518	.0004	-.0012	-.0019	.0002
10661	.301	6047.5	6.13	.22	.1070	.0052	.0860	.0004	-.0010	-.0015	.0002
10662	.300	6033.9	7.90	.32	.1552	.0050	.1243	.0004	-.0015	-.0022	.0002
10663	.300	6028.5	9.87	.39	.1970	.0039	.1577	.0005	-.0016	-.0024	.0002
10664	.299	5999.2	11.90	.45	.2563	.0034	.2050	.0005	-.0016	-.0022	.0003
10665	.300	6013.0	13.95	.58	.3127	.0023	.2497	.0006	-.0019	-.0027	.0004
10666	.300	6021.6	15.85	.62	.3729	.0013	.2972	.0006	-.0018	-.0024	.0005
10667	.300	6006.5	17.77	.65	.4329	-.0002	.3421	.0005	-.0019	-.0027	.0007
10668	.300	6020.6	19.80	.66	.4859	-.0022	.3849	.0004	-.0019	-.0026	.0010
10669	.300	6006.0	21.76	.65	.5602	-.0035	.4433	.0003	-.0017	-.0022	.0014
10670	.300	6029.7	23.69	.60	.6248	-.0051	.4940	.0003	-.0015	-.0020	.0017
10671	.300	6036.7	25.60	.69	.6800	-.0076	.5371	.0002	-.0019	-.0029	.0021
10672	.300	6037.4	27.71	.83	.7644	-.0098	.6020	.0000	-.0020	-.0031	.0027
10673	.301	6052.9	29.85	.86	.8333	-.0124	.6554	-.0001	-.0021	-.0031	.0031
10674	.300	6035.4	31.83	.89	.8970	-.0148	.7070	-.0001	-.0025	-.0035	.0035
10675	.301	6052.2	33.74	1.05	.8965	-.0167	.7329	-.0002	-.0025	-.0036	.0028
10676	.301	6062.9	35.69	1.14	.9264	-.0186	.7656	-.0003	-.0023	-.0033	.0031
10677	.299	5983.2	37.86	1.13	.9624	-.0210	.8036	-.0003	-.0020	-.0027	.0033
10678	.301	6054.2	39.49	1.23	.9768	-.0232	.8221	.0000	-.0022	-.0032	.0034
10679	.300	6003.3	41.60	1.35	.9992	-.0253	.8551	-.0002	-.0025	-.0035	.0032
10680	.300	6035.9	-4.9	-.01	-.0080	.0062	-.0090	.0002	-.0013	-.0023	.0001

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TEST TP	24 MACH	Q PA	RUN 13 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
10866	.700	25043.5	-4.46	.00	-.0059	.0117	-.0073	.0010	-.0021	.0039	.0066
10867	.700	25039.6	-3.97	-.05	-.0529	.0159	-.0481	.0011	-.0019	.0031	.0063
10868	.701	25086.8	-2.07	-.03	-.0246	.0126	-.0251	.0010	-.0022	.0039	.0065
10869	.701	25101.5	-.62	-.01	-.0033	.0119	-.0057	.0010	-.0024	.0047	.0065
10870	.700	25052.9	2.04	.02	.0248	.0124	.0206	.0009	-.0023	.0046	.0066
10871	.701	25097.1	3.96	.05	.0600	.0156	.0488	.0010	-.0021	.0049	.0071
10872	.701	25118.5	5.92	.07	.1009	.0215	.0803	.0008	-.0021	.0054	.0076
10873	.701	25084.3	7.93	.09	.1432	.0305	.1126	.0007	-.0022	.0055	.0079
10874	.700	25080.6	9.94	.11	.1788	.0413	.1411	.0006	-.0021	.0055	.0081
10875	.700	25033.0	11.87	.13	.2232	.0566	.1800	.0005	-.0024	.0065	.0082
10876	.701	25104.4	13.83	.14	.2632	.0739	.2160	.0003	-.0021	.0061	.0085
10877	.701	25081.9	15.86	.16	.3003	.0934	.2496	.0000	-.0017	.0062	.0089
10878	.700	25033.6	17.78	.19	.3459	.1178	.2895	-.0003	-.0019	.0071	.0095
10879	.701	25093.9	-.50	-.01	-.0048	.0122	-.0083	.0009	-.0021	.0067	.0063

TEST TP	24 MACH	Q PA	RUN 13 ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY
10866	.700	25043.5	-4.46	.00	-.0060	.0116	-.0073	.0009	-.0021	.0039
10867	.700	25039.6	-3.97	-.05	-.0538	.0122	-.0481	.0010	-.0020	.0031
10868	.701	25086.8	-2.07	-.03	-.0250	.0117	-.0251	.0010	-.0022	.0039
10869	.701	25101.5	-.62	-.01	-.0034	.0119	-.0057	.0009	-.0024	.0047
10870	.700	25052.9	2.04	.02	.0252	.0116	.0206	.0009	-.0023	.0046
10871	.701	25097.1	3.96	.05	.0609	.0114	.0488	.0011	-.0020	.0049
10872	.701	25118.5	5.92	.07	.1026	.0110	.0803	.0010	-.0020	.0054
10873	.701	25084.3	7.93	.09	.1460	.0105	.1126	.0010	-.0020	.0055
10874	.700	25080.6	9.94	.11	.1832	.0098	.1411	.0009	-.0020	.0055
10875	.700	25033.0	11.87	.13	.2301	.0095	.1800	.0010	-.0022	.0065
10876	.701	25104.4	13.83	.14	.2732	.0088	.2160	.0008	-.0020	.0061
10877	.701	25081.9	15.86	.16	.3144	.0077	.2496	.0005	-.0017	.0062
10878	.700	25033.6	17.78	.19	.3653	.0066	.2895	.0003	-.0019	.0071
10879	.701	25093.9	-.50	-.01	-.0049	.0122	-.0083	.0009	-.0021	.0067

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TEST TP	24 MACH	Q PA	RUN 13 ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
10866	.700	25043.5	-4.46	-.00	-.0064	.0067	-.0055	.0002	.0004	.0005	.0014
10867	.700	25039.6	-3.97	-.10	-.0509	.0096	-.0459	.0003	.0004	.0003	.0020
10868	.701	25086.8	-2.07	-.06	-.0249	.0074	-.0230	.0002	.0003	.0002	.0017
10869	.701	25101.5	-.62	-.02	-.0049	.0070	-.0041	.0002	.0003	.0004	.0014
10870	.700	25052.9	2.04	.05	.0219	.0076	.0219	.0003	.0002	.0001	.0013
10871	.701	25097.1	3.96	.10	.0543	.0103	.0504	.0005	.0001	.0001	.0014
10872	.701	25118.5	5.91	.15	.0916	.0153	.0823	.0005	.0001	.0002	.0016
10873	.701	25084.3	7.93	.19	.1297	.0230	.1158	.0005	.0000	.0002	.0017
10874	.700	25080.6	9.94	.24	.1616	.0324	.1449	.0004	-.0001	.0001	.0020
10875	.700	25033.0	11.87	.28	.2033	.0460	.1834	.0005	-.0001	.0000	.0023
10876	.701	25104.4	13.83	.32	.2409	.0615	.2194	.0004	-.0003	-.0002	.0026
10877	.701	25081.9	15.86	.37	.2751	.0792	.2535	.0003	-.0004	-.0003	.0029
10878	.700	25033.6	17.78	.42	.3162	.1011	.2950	.0002	-.0004	-.0005	.0036
10879	.701	25093.9	-.50	-.01	-.0072	.0069	-.0063	.0002	.0005	.0008	.0014

TEST TP	24 MACH	Q PA	RUN 13 ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
10866	.700	25043.5	-4.46	-.00	-.0065	.0066	-.0055	.0002	.0004	.0005	.0004
10867	.700	25039.6	-3.97	-.10	-.0515	.0060	-.0459	.0003	.0004	.0003	.0005
10868	.701	25086.8	-2.07	-.06	-.0252	.0065	-.0230	.0002	.0003	.0002	.0004
10869	.701	25101.5	-.62	-.02	-.0050	.0070	-.0041	.0002	.0003	.0004	.0004
10870	.700	25052.9	2.04	.05	.0221	.0068	.0219	.0003	.0002	.0001	.0003
10871	.701	25097.1	3.96	.10	.0549	.0065	.0504	.0005	.0001	.0001	.0004
10872	.701	25118.5	5.91	.15	.0927	.0057	.0823	.0004	.0002	.0002	.0004
10873	.701	25084.3	7.93	.19	.1316	.0049	.1158	.0005	.0001	.0002	.0004
10874	.700	25080.6	9.94	.24	.1648	.0040	.1449	.0004	-.0000	.0001	.0005
10875	.700	25033.0	11.87	.28	.2084	.0032	.1834	.0005	-.0000	.0000	.0006
10876	.701	25104.4	13.83	.32	.2487	.0021	.2194	.0005	-.0002	-.0002	.0006
10877	.701	25081.9	15.86	.37	.2863	.0010	.2535	.0004	-.0003	-.0003	.0007
10878	.700	25033.6	17.78	.42	.3320	-.0002	.2950	.0003	-.0004	-.0005	.0009
10879	.701	25093.9	-.50	-.01	-.0072	.0069	-.0063	.0002	.0005	.0008	.0004

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TEST TP	24 MACH	Q PA	RUN 15			CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG								
10901	.501	15031.3	-0.45	-0.02	-0.0062	.0114	-0.0069	.0004	-0.0022	.0019	.0063	
10902	.499	14893.6	-3.89	-0.10	-0.0559	.0159	-0.0493	.0006	-0.0020	.0027	.0061	
10903	.500	14978.6	-1.99	-0.06	-0.0239	.0123	-0.0235	.0004	-0.0022	.0032	.0062	
10904	.500	14929.7	-0.65	-0.03	-0.0044	.0121	-0.0053	.0003	-0.0021	.0028	.0063	
10905	.500	14944.6	1.89	.05	.0219	.0118	.0184	.0003	-0.0023	.0036	.0063	
10906	.501	15008.4	3.91	.11	.0589	.0150	.0481	.0003	-0.0022	.0037	.0068	
10907	.500	14946.9	5.98	.18	.1002	.0210	.0805	.0003	-0.0023	.0043	.0073	
10908	.501	14993.7	7.92	.21	.1344	.0283	.1065	.0002	-0.0022	.0052	.0075	
10909	.499	14916.1	9.84	.28	.1801	.0406	.1427	.0001	-0.0024	.0057	.0078	
10910	.500	14935.9	11.83	.33	.2211	.0553	.1791	.0000	-0.0024	.0059	.0079	
10911	.500	14958.8	13.77	.40	.2561	.0711	.2111	-0.0002	-0.0025	.0068	.0081	
10912	.500	14929.4	15.94	.47	.3076	.0949	.2580	-0.0004	-0.0017	.0066	.0087	
10913	.500	14953.2	17.76	.50	.3387	.1140	.2861	-0.0006	-0.0020	.0076	.0092	
10914	.500	14947.8	19.90	.50	.3840	.1428	.3276	-0.0008	-0.0018	.0082	.0099	
10915	.500	14977.2	21.82	.52	.4208	.1708	.3623	-0.0008	-0.0010	.0070	.0107	
10916	.500	14929.9	23.92	.53	.4702	.2093	.4115	-0.0008	-0.0008	.0081	.0121	
10917	.500	14929.8	25.76	.43	.5071	.2434	.4493	-0.0009	-0.0013	.0079	.0129	
10918	.500	14943.5	27.60	.53	.5363	.2770	.4828	-0.0010	-0.0011	.0080	.0136	
10919	.501	15011.6	-0.42	-0.02	-0.0033	.0120	-0.0075	.0003	-0.0021	.0063	.0063	

TEST TP	24 MACH	Q PA	RUN 15			CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG							
10901	.501	15031.3	-0.45	-0.02	-0.0063	.0113	-0.0069	.0004	-0.0020	.0019	
10902	.499	14893.6	-3.89	-0.10	-0.0568	.0121	-0.0493	.0005	-0.0020	.0027	
10903	.500	14978.6	-1.99	-0.06	-0.0243	.0115	-0.0235	.0003	-0.0022	.0032	
10904	.500	14929.7	-0.65	-0.03	-0.0046	.0121	-0.0053	.0003	-0.0021	.0028	
10905	.500	14944.6	1.89	.05	.0223	.0111	.0184	.0004	-0.0023	.0036	
10906	.501	15008.4	3.91	.11	.0598	.0109	.0481	.0004	-0.0022	.0037	
10907	.500	14946.9	5.98	.18	.1019	.0104	.0805	.0005	-0.0023	.0043	
10908	.501	14993.7	7.92	.21	.1370	.0095	.1065	.0005	-0.0021	.0052	
10909	.499	14916.1	9.84	.28	.1843	.0092	.1427	.0005	-0.0023	.0057	
10910	.500	14935.9	11.83	.33	.2277	.0088	.1791	.0005	-0.0024	.0059	
10911	.500	14958.8	13.77	.40	.2657	.0081	.2111	.0004	-0.0025	.0068	
10912	.500	14929.4	15.94	.47	.3219	.0067	.2580	.0001	-0.0018	.0066	
10913	.500	14953.2	17.76	.50	.3573	.0052	.2861	.0000	-0.0020	.0076	
10914	.500	14947.8	19.90	.50	.4097	.0036	.3276	-0.0002	-0.0019	.0082	
10915	.500	14977.2	21.82	.52	.4542	.0022	.3623	-0.0003	-0.0013	.0070	
10916	.500	14929.9	23.92	.53	.5147	.0007	.4115	-0.0004	-0.0010	.0081	
10917	.500	14929.8	25.76	.43	.5624	-0.0012	.4493	-0.0002	-0.0016	.0079	
10918	.500	14943.5	27.60	.53	.6036	-0.0030	.4828	-0.0003	-0.0014	.0080	
10919	.501	15011.6	-0.42	-0.02	-0.0034	.0119	-0.0075	.0002	-0.0021	.0063	

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 15			CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDC2
			ALPHA2 DEG	BETA2 DEG								
10901	.501	15031.3	-0.45	-0.02	-0.0067	.0072	-0.0058	.0002	-0.0002	-0.0007	.0010	
10902	.499	14893.6	-3.89	-0.15	-0.0532	.0103	-0.0479	.0002	-0.0001	-0.0003	.0012	
10903	.500	14978.6	-1.99	-0.09	-0.0239	.0079	-0.0222	.0002	-0.0001	-0.0006	.0009	
10904	.500	14929.7	-0.65	-0.04	-0.0053	.0078	-0.0044	.0002	-0.0003	-0.0009	.0008	
10905	.500	14944.6	1.89	.07	.0189	.0080	.0193	.0002	-0.0005	-0.0011	.0009	
10906	.501	15008.4	3.91	.17	.0526	.0107	.0491	.0004	-0.0006	-0.0011	.0009	
10907	.500	14946.9	5.97	.26	.0909	.0159	.0823	.0004	-0.0005	-0.0010	.0012	
10908	.501	14993.7	7.92	.31	.1210	.0224	.1090	.0004	-0.0005	-0.0008	.0013	
10909	.499	14916.1	9.83	.41	.1621	.0330	.1464	.0003	-0.0006	-0.0009	.0015	
10910	.500	14935.9	11.82	.48	.2002	.0459	.1822	.0003	-0.0008	-0.0012	.0017	
10911	.500	14958.8	13.76	.58	.2331	.0601	.2141	.0003	-0.0009	-0.0013	.0017	
10912	.500	14929.4	15.94	.68	.2815	.0821	.2618	.0002	-0.0009	-0.0014	.0019	
10913	.500	14953.2	17.75	.73	.3096	.0996	.2909	.0002	-0.0008	-0.0014	.0023	
10914	.500	14947.8	19.90	.76	.3477	.1255	.3345	.0001	-0.0008	-0.0014	.0030	
10915	.500	14977.2	21.81	.79	.3811	.1501	.3709	-0.0001	-0.0009	-0.0015	.0038	
10916	.500	14929.9	23.92	.63	.4245	.1844	.4194	.0000	-0.0007	-0.0011	.0050	
10917	.500	14929.8	25.75	.76	.4576	.2152	.4574	-0.0001	-0.0010	-0.0017	.0059	
10918	.500	14943.5	27.59	.88	.4845	.2457	.4889	-0.0001	-0.0008	-0.0017	.0069	
10919	.501	15011.6	-0.42	-0.03	-0.0068	.0074	-0.0060	.0002	-0.0001	-0.0003	.0010	

TEST TP	24 MACH	Q PA	RUN 15			CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG								
10901	.501	15031.3	-0.45	-0.02	-0.0068	.0071	-0.0058	.0002	-0.0002	-0.0007	.0003	
10902	.499	14893.6	-3.89	-0.15	-0.0538	.0066	-0.0479	.0003	-0.0001	-0.0003	.0004	
10903	.500	14978.6	-1.99	-0.09	-0.0242	.0070	-0.0222	.0002	-0.0001	-0.0006	.0003	
10904	.500	14929.7	-0.65	-0.04	-0.0054	.0377	-0.0044	.0002	-0.0004	-0.0009	.0002	
10905	.500	14944.6	1.89	.07	.0192	.0073	.0193	.0003	-0.0005	-0.0011	.0002	
10906	.501	15008.4	3.91	.17	.0532	.0071	.0491	.0004	-0.0005	-0.0011	.0003	
10907	.500	14946.9	5.97	.26	.0921	.0063	.0823	.0004	-0.0005	-0.0010	.0003	
10908	.501	14993.7	7.92	.31	.1230	.0055	.1090	.0004	-0.0004	-0.0008	.0003	
10909	.499	14916.1	9.83	.41	.1654	.0048	.1464	.0004	-0.0005	-0.0009	.0004	
10910	.500	14935.9	11.82	.48	.2053	.0039	.1822	.0004	-0.0007	-0.0012	.0004	
10911	.500	14958.8	13.76	.58	.2407	.0029	.2141	.0005	-0.0008	-0.0013	.0004	
10912	.500	14929.4	15.94	.68	.2933	.0017	.2618	.0004	-0.0008	-0.0014	.0005	
10913	.500	14953.2	17.75	.73	.3253	.0005	.2909	.0004	-0.0007	-0.0014	.0005	
10914	.500	14947.8	19.90	.76	.3715	-0.0010	.3345	.0003	-0.0008	-0.0014	.0007	
10915	.500	14977.2	21.81	.79	.4096	-0.0023	.3709	.0003	-0.0009	-0.0015	.0009	
10916	.500	14929.9	23.92	.63	.4628	-0.0035	.4194	.0003	-0.0007	-0.0011	.0012	
10917	.500	14929.8	25.75	.76	.5056	-0.0050	.4574	.0003	-0.0010	-0.0017	.0015	
10918	.500	14943.5	27.59	.88	.5432	-0.0066	.4889	.0003	-0.0008	-0.0017	.0017	
10919	.501	15011.6	-0.42	-0.03	-0.0069	.0073	-0.0060	.0002	-0.0001	-0.0003	.0003	

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TEST TP	24 MACH	Q PA	RUN 16 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
10920	.300	6016.4	-4.0	-.01	.0017	.0128	-.0069	-.0004	-.0017	.0151	.0060
10921	.301	6028.3	-3.98	-.01	-.0490	.0169	-.0501	-.0002	-.0015	.0155	.0059
10922	.301	6021.7	-2.00	-.02	-.0134	.0148	-.0206	-.0004	-.0011	.0123	.0060
10923	.301	6029.9	-.63	-.02	.0027	.0141	-.0051	-.0005	-.0018	.0101	.0060
10924	.301	6040.5	2.04	.02	.0277	.0132	.0195	-.0005	-.0017	.0088	.0061
10925	.300	6015.4	3.83	.07	.0630	.0169	.0468	-.0006	-.0019	.0071	.0066
10926	.300	5995.5	5.87	.16	.1011	.0225	.0775	-.0006	-.0022	.0046	.0069
10927	.300	6010.3	7.84	.15	.1418	.0308	.1088	-.0005	-.0019	.0075	.0072
10928	.301	6022.0	9.80	.23	.1743	.0392	.1374	-.0007	-.0018	.0053	.0075
10929	.300	6014.2	11.90	.29	.2248	.0560	.1789	-.0006	-.0018	.0048	.0079
10930	.300	6014.0	13.96	.33	.2601	.0713	.2134	-.0007	-.0019	.0047	.0084
10931	.300	6000.4	15.87	.41	.3047	.0925	.2545	-.0008	-.0010	.0037	.0091
10932	.300	6012.5	17.64	.47	.3367	.1105	.2841	-.0009	-.0012	.0033	.0096
10933	.300	5992.7	19.76	.53	.3883	.1410	.3318	-.0007	-.0014	.0027	.0104
10934	.300	5997.8	21.74	.37	.4230	.1677	.3666	-.0007	-.0006	.0047	.0109
10935	.299	5965.9	23.72	.36	.4695	.2033	.4119	-.0006	-.0000	.0031	.0122
10936	.300	5997.1	25.84	.34	.5094	.2409	.4559	-.0008	-.0004	.0051	.0135
10937	.300	5995.2	27.78	.29	.5385	.2750	.4922	-.0012	-.0002	.0047	.0141
10938	.300	6014.1	29.65	.25	.5320	.2933	.5079	-.0014	-.0011	.0076	.0143
10939	.300	6002.0	31.80	.39	.5476	.3282	.5379	-.0015	-.0015	.0074	.0144
10940	.300	5991.0	33.69	.36	.5668	.3648	.5696	-.0016	-.0008	.0068	.0147
10941	.300	6017.5	35.60	.53	.5850	.4027	.5992	-.0017	-.0012	.0052	.0149
10942	.301	6020.3	37.73	.53	.6037	.4468	.6319	-.0015	-.0002	.0051	.0151
10943	.300	5985.7	39.72	.38	.6137	.4853	.6536	-.0016	-.0001	.0068	.0151
10944	.299	5970.6	41.77	.52	.6296	.5337	.6853	-.0015	-.0001	.0035	.0155
10945	.300	5991.5	-.43	-.01	-.0076	.0123	-.0071	-.0002	-.0013	-.0018	.0060

TEST TP	24 MACH	Q PA	RUN 16 ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY
10920	.300	6016.4	-4.0	-.01	.0016	.0129	-.0069	-.0004	-.0017	.0151
10921	.301	6028.3	-3.98	-.01	-.0501	.0134	-.0501	-.0003	-.0015	.0155
10922	.301	6021.7	-2.00	-.02	-.0139	.0143	-.0206	-.0005	-.0011	.0123
10923	.301	6029.9	-.63	-.02	.0025	.0142	-.0051	-.0005	-.0018	.0101
10924	.301	6040.5	2.04	.02	.0282	.0122	.0195	-.0005	-.0017	.0088
10925	.300	6015.4	3.83	.07	.0640	.0126	.0468	-.0005	-.0019	.0071
10926	.300	5995.5	5.87	.16	.1028	.0120	.0775	-.0003	-.0022	.0046
10927	.300	6010.3	7.84	.15	.1446	.0111	.1088	-.0002	-.0019	.0075
10928	.301	6022.0	9.80	.23	.1784	.0090	.1374	-.0003	-.0019	.0053
10929	.300	6014.2	11.90	.29	.2316	.0084	.1789	-.0002	-.0019	.0048
10930	.300	6014.0	13.96	.33	.2696	.0064	.2134	-.0003	-.0020	.0047
10931	.300	6000.4	15.87	.41	.3184	.0057	.2545	-.0005	-.0011	.0037
10932	.300	6012.5	17.64	.47	.3544	.0033	.2841	-.0005	-.0014	.0033
10933	.300	5992.7	19.76	.53	.4131	.0014	.3318	-.0002	-.0015	.0027
10934	.300	5997.8	21.74	.37	.4550	-.0009	.3666	-.0004	-.0009	.0047
10935	.299	5965.9	23.72	.36	.5116	-.0027	.4119	-.0005	-.0003	.0031
10936	.300	5997.1	25.84	.34	.5635	-.0052	.4559	-.0005	-.0008	.0051
10937	.300	5995.2	27.78	.29	.6046	-.0077	.4922	-.0009	-.0007	.0047
10938	.300	6014.1	29.65	.25	.6075	-.0083	.5079	-.0006	-.0016	.0076
10939	.300	6002.0	31.80	.39	.6384	-.0096	.5379	-.0005	-.0021	.0074
10940	.300	5991.0	33.69	.36	.6740	-.0108	.5696	-.0009	-.0015	.0068
10941	.300	6017.5	35.60	.53	.7101	-.0130	.5992	-.0007	-.0020	.0052
10942	.301	6020.3	37.73	.53	.7509	-.0160	.6319	-.0010	-.0011	.0051
10943	.300	5985.7	39.72	.38	.7822	-.0189	.6536	-.0012	-.0011	.0068
10944	.299	5970.6	41.77	.52	.8251	-.0213	.6853	-.0011	-.0011	.0035
10945	.300	5991.5	-.43	-.01	-.0077	.0123	-.0071	-.0002	-.0013	-.0018

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TEST TP	24 MACH	Q PA	RUN 16		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
10920	.300	6016.4	-1.40	-.02	-.0063	.0083	-.0059	.0002	.0004	.0008	.0008
10921	.301	6028.3	-3.98	-.06	-.0530	.0112	-.0479	.0002	.0009	.0014	.0014
10922	.301	6021.7	-2.00	-.05	-.0189	.0093	-.0179	.0002	.0005	.0008	.0010
10923	.301	6029.9	-.63	-.03	-.0046	.0089	-.0042	.0002	-.0005	-.0009	.0008
10924	.301	6040.5	2.04	.05	.0209	.0087	.0207	.0003	-.0005	-.0007	.0007
10925	.300	6015.4	3.83	.12	.0528	.0114	.0490	.0003	-.0009	-.0014	.0008
10926	.300	5995.5	5.86	.24	.0880	.0163	.0798	.0002	-.0015	-.0024	.0010
10927	.300	6010.3	7.83	.25	.1255	.0237	.1132	.0003	-.0007	-.0010	.0012
10928	.301	6022.0	9.80	.36	.1563	.0321	.1417	.0002	-.0011	-.0017	.0013
10929	.300	6014.2	11.90	.45	.2012	.0469	.1838	.0002	-.0014	-.0023	.0014
10930	.300	6014.0	13.96	.51	.2357	.0617	.2173	.0001	-.0013	-.0020	.0014
10931	.300	6000.4	15.87	.61	.2776	.0810	.2587	-.0000	-.0016	-.0027	.0015
10932	.300	6012.5	17.63	.69	.3078	.0981	.2894	-.0000	-.0016	-.0027	.0017
10933	.300	5992.7	19.75	.78	.3548	.1263	.3386	-.0001	-.0015	-.0024	.0023
10934	.300	5997.8	21.73	.65	.3860	.1508	.3735	-.0001	-.0012	-.0020	.0027
10935	.299	5965.9	23.72	.66	.4267	.1830	.4200	-.0002	-.0011	-.0019	.0034
10936	.300	5997.1	25.84	.66	.4631	.2161	.4632	-.0001	-.0008	-.0014	.0039
10937	.300	5995.2	27.77	.64	.4900	.2508	.4968	-.0003	-.0008	-.0018	.0040
10938	.300	6014.1	29.64	.62	.4786	.2653	.5102	-.0000	-.0009	-.0020	.0030
10939	.300	6002.0	31.79	.78	.4901	.2961	.5372	-.0004	-.0013	-.0024	.0031
10940	.300	5991.0	33.68	.77	.5055	.3254	.5665	-.0003	-.0006	-.0014	.0060
10941	.300	6017.5	35.59	.97	.5206	.3577	.5955	-.0006	-.0012	-.0023	.0070
10942	.301	6020.3	37.72	.98	.5345	.3955	.6265	-.0004	-.0007	-.0015	.0068
10943	.300	5985.7	39.72	.86	.5398	.4270	.6483	-.0003	-.0005	-.0009	.0066
10944	.299	5970.6	41.76	1.02	.5514	.4675	.6809	-.0009	-.0014	-.0031	.0063
10945	.300	5991.5	-.43	-.01	-.0062	.0078	-.0056	.0002	-.0006	-.0012	.0008

TEST TP	24 MACH	Q PA	RUN 16		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
10920	.300	6016.4	-1.40	-.02	-.0064	.0083	-.0059	.0002	.0004	.0008	.0002
10921	.301	6028.3	-3.98	-.06	-.0537	.0075	-.0479	.0002	.0009	.0014	.0004
10922	.301	6021.7	-2.00	-.05	-.0192	.0086	-.0179	.0002	.0005	.0008	.0003
10923	.301	6029.9	-.63	-.03	-.0047	.0088	-.0042	.0002	-.0005	-.0009	.0002
10924	.301	6040.5	2.04	.05	.0212	.0080	.0207	.0003	-.0005	-.0007	.0002
10925	.300	6015.4	3.83	.12	.0535	.0078	.0490	.0004	-.0009	-.0014	.0003
10926	.300	5995.5	5.86	.24	.0892	.0072	.0798	.0004	-.0014	-.0024	.0003
10927	.300	6010.3	7.83	.25	.1276	.0064	.1132	.0004	-.0006	-.0010	.0003
10928	.301	6022.0	9.80	.36	.1594	.0051	.1417	.0004	-.0011	-.0017	.0004
10929	.300	6014.2	11.90	.45	.2065	.0044	.1838	.0005	-.0014	-.0023	.0004
10930	.300	6014.0	13.96	.51	.2436	.0030	.2173	.0004	-.0012	-.0020	.0004
10931	.300	6000.4	15.87	.61	.2892	.0020	.2587	.0004	-.0016	-.0027	.0004
10932	.300	6012.5	17.63	.69	.3231	.0003	.2894	.0004	-.0015	-.0027	.0004
10933	.300	5992.7	19.75	.78	.3766	-.0010	.3386	.0004	-.0015	-.0024	.0005
10934	.300	5997.8	21.73	.65	.4144	-.0029	.3735	.0004	-.0011	-.0020	.0007
10935	.299	5965.9	23.72	.66	.4643	-.0041	.4200	.0002	-.0011	-.0019	.0008
10936	.300	5997.1	25.84	.66	.5118	-.0056	.4632	.0002	-.0008	-.0014	.0009
10937	.300	5995.2	27.77	.64	.5504	-.0064	.4968	.0001	-.0008	-.0018	.0010
10938	.300	6014.1	29.64	.62	.5472	-.0061	.5102	.0004	-.0008	-.0020	.0007
10939	.300	6002.0	31.79	.78	.5726	-.0065	.5372	.0003	-.0013	-.0024	.0008
10940	.300	5991.0	33.68	.77	.6011	-.0096	.5665	.0002	-.0008	-.0014	.0015
10941	.300	6017.5	35.59	.97	.6315	-.0121	.5955	.0002	-.0013	-.0023	.0017
10942	.301	6020.3	37.72	.98	.6648	-.0142	.6265	.0001	-.0009	-.0015	.0017
10943	.300	5985.7	39.72	.86	.6881	-.0164	.6483	.0001	-.0005	-.0009	.0016
10944	.299	5970.6	41.76	1.02	.7226	-.0185	.6809	.0003	-.0016	-.0031	.0016
10945	.300	5991.5	-.43	-.01	-.0062	.0077	-.0056	.0002	-.0006	-.0012	.0002

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TEST TP	24 MACH	Q PA	RUN 19 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
11002	.700	25115.4	-4.47	-0.01	-0.0171	.0142	.0056	.0001	-.0024	.0039	.0060
11003	.700	25133.3	-3.94	-0.08	-.1954	.0237	.0916	.0012	-.0027	.0066	.0061
11004	.700	25148.3	-2.12	-0.05	-.0765	.0166	.0334	.0010	-.0026	.0057	.0061
11005	.700	25140.2	-.65	-0.02	-.0095	.0145	.0022	.0005	-.0022	.0043	.0061
11006	.700	25122.1	1.94	.03	.1000	.0164	-.0486	.0011	-.0021	.0036	.0060
11007	.700	25154.8	3.95	.06	.2332	.0257	-.1146	.0011	-.0021	.0026	.0063
11008	.700	25150.1	5.89	.09	.3513	.0436	-.1736	.0007	-.0016	.0007	.0067
11009	.700	25154.0	7.89	.12	.4579	.0687	-.2258	.0006	-.0015	.0001	.0072
11010	.700	25134.8	10.08	.13	.6109	.1111	-.2970	.0004	-.0011	-.0012	.0079
11011	.699	25098.1	12.03	.19	.6909	.1481	-.3167	-.0020	-.0005	-.0025	.0080
11012	.699	25101.8	13.96	.21	.7385	.1842	-.3205	-.0005	-.0011	-.0025	.0077
11013	.700	25141.9	15.99	.25	.8374	.2401	-.3562	-.0003	-.0006	-.0036	.0078
11014	.701	25188.6	17.83	.24	.9271	.2979	-.3964	.0001	-.0001	-.0045	.0076
11015	.701	25190.3	19.99	.26	1.0015	.3640	-.4278	.0005	.0003	-.0052	.0075
11016	.699	25066.8	21.87	.35	1.0475	.4194	-.4515	.0009	.0006	-.0058	.0078
11017	.701	25165.3	23.70	.37	1.0888	.4780	-.4776	.0011	.0019	-.0063	.0084
11018	.702	25239.1	25.89	.36	1.0459	.5144	-.4961	.0011	.0048	-.0075	.0087
11019	.700	25141.8	-.47	-0.02	-.0149	.0148	.0059	.0008	-.0024	.0067	.0058

TEST TP	24 MACH	Q PA	RUN 19 ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY
11002	.700	25115.4	-4.47	-0.01	-.0172	.0140	.0056	.0005	-.0024	.0039
11003	.700	25133.3	-3.94	-0.08	-.1966	.0103	.0916	.0010	-.0028	.0066
11004	.700	25148.3	-2.12	-0.05	-.0771	.0138	.0334	.0009	-.0027	.0057
11005	.700	25140.2	-.65	-0.02	-.0097	.0143	.0022	.0005	-.0022	.0043
11006	.700	25122.1	1.94	.03	.1005	.0130	-.0486	.0011	-.0021	.0036
11007	.700	25154.8	3.95	.06	.2344	.0095	-.1146	.0012	-.0020	.0026
11008	.700	25150.1	5.89	.09	.3539	.0073	-.1736	.0009	-.0015	.0007
11009	.700	25154.0	7.89	.12	.4630	.0051	-.2258	.0008	-.0014	.0001
11010	.700	25134.8	10.08	.13	.6209	.0024	-.2970	.0006	-.0010	-.0012
11011	.699	25098.1	12.03	.19	.7066	.0009	-.3167	-.0019	-.0009	-.0025
11012	.699	25101.8	13.96	.21	.7611	.0005	-.3205	-.0002	-.0011	-.0025
11013	.700	25141.9	15.99	.25	.8711	.0001	-.3562	-.0002	-.0006	-.0036
11014	.701	25188.6	17.83	.24	.9738	-.0003	-.3964	.0001	-.0001	-.0045
11015	.701	25190.3	19.99	.26	1.0656	-.0003	-.4278	.0004	.0004	-.0052
11016	.699	25066.8	21.87	.35	1.1283	-.0010	-.4515	.0005	.0010	-.0058
11017	.701	25165.3	23.70	.37	1.1891	-.0000	-.4776	.0002	.0021	-.0063
11018	.702	25239.1	25.89	.36	1.1656	.0060	-.4961	-.0011	.0047	-.0075
11019	.700	25141.8	-.47	-0.02	-.0151	.0147	.0059	.0008	-.0024	.0067

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TEST TP	24 MACH	Q PA	RUN 19 ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
11002	.700	25115.4	-4.47	-0.02	-.0008	.0033	-.0017	.0000	.0002	.0002	-.0032
11003	.700	25133.3	-3.94	-0.13	-.0077	.0037	-.0146	-.0000	.0002	.0002	-.0030
11004	.700	25148.3	-2.12	-0.07	-.0032	.0036	-.0063	-.0000	.0002	.0002	-.0032
11005	.700	25140.2	-.65	-0.03	-.0005	.0036	-.0012	.0000	.0002	.0001	-.0032
11006	.700	25122.1	1.94	.05	.0039	.0036	.0071	.0000	.0002	.0002	-.0031
11007	.700	25154.8	3.95	.12	.0087	.0040	.0161	.0000	.0002	.0002	-.0029
11008	.700	25150.1	5.89	.17	.0127	.0045	.0233	.0000	.0001	.0001	-.0025
11009	.700	25154.0	7.89	.22	.0163	.0049	.0298	.0000	.0001	.0001	-.0021
11010	.700	25134.8	10.08	.26	.0223	.0062	.0399	.0000	.0001	.0002	-.0019
11011	.699	25098.1	12.03	.34	.0273	.0076	.0480	-.0000	-.0001	-.0000	-.0013
11012	.699	25101.8	13.96	.39	.0316	.0092	.0551	-.0000	-.0001	-.0001	-.0011
11013	.700	25141.9	15.99	.45	.0384	.0118	.0659	-.0000	-.0001	-.0000	-.0008
11014	.701	25188.6	17.83	.47	.0443	.0144	.0752	.0000	.0001	.0003	-.0006
11015	.701	25190.3	19.99	.51	.0511	.0181	.0863	.0000	.0001	.0004	-.0004
11016	.699	25066.8	21.87	.63	.0561	.0213	.0947	.0000	.0001	.0006	-.0002
11017	.701	25165.3	23.69	.67	.0627	.0256	.1059	.0001	.0003	.0012	-.0004
11018	.702	25239.1	25.89	.69	.0668	.0295	.1145	.0002	.0004	.0017	-.0019
11019	.700	25141.8	-.47	-0.03	-.0009	.0035	-.0019	.0000	.0002	.0003	-.0032

TEST TP	24 MACH	Q PA	RUN 19 ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
11002	.700	25115.4	-4.47	-0.02	-.0008	.0033	-.0017	.0000	.0002	.0002	-.0008
11003	.700	25133.3	-3.94	-0.13	-.0079	.0032	-.0146	.0000	.0002	.0002	-.0008
11004	.700	25148.3	-2.12	-0.07	-.0033	.0035	-.0063	.0000	.0002	.0002	-.0008
11005	.700	25140.2	-.65	-0.03	-.0006	.0036	-.0012	.0000	.0002	.0001	-.0008
11006	.700	25122.1	1.94	.05	.0040	.0034	.0071	-.0000	.0002	.0002	-.0008
11007	.700	25154.8	3.95	.12	.0090	.0034	.0161	-.0000	.0002	.0002	-.0007
11008	.700	25150.1	5.89	.17	.0131	.0031	.0233	-.0000	.0001	.0001	-.0006
11009	.700	25154.0	7.89	.22	.0168	.0027	.0298	-.0000	.0001	.0001	-.0005
11010	.700	25134.8	10.08	.26	.0230	.0022	.0399	-.0000	.0001	.0002	-.0004
11011	.699	25098.1	12.03	.34	.0282	.0018	.0480	-.0000	-.0001	-.0000	-.0004
11012	.699	25101.8	13.96	.39	.0328	.0013	.0551	-.0000	-.0001	-.0001	-.0003
11013	.700	25141.9	15.99	.45	.0402	.0008	.0659	.0000	-.0001	-.0000	-.0002
11014	.701	25188.6	17.83	.47	.0466	.0002	.0752	-.0000	.0001	.0003	-.0002
11015	.701	25190.3	19.99	.51	.0542	-.0005	.0863	.0000	.0001	.0004	-.0001
11016	.699	25066.8	21.87	.63	.0600	-.0012	.0947	.0000	.0001	.0006	-.0001
11017	.701	25165.3	23.69	.67	.0677	-.0018	.1059	.0000	.0003	.0012	-.0001
11018	.702	25239.1	25.89	.69	.0729	-.0026	.1145	.0000	.0005	.0017	-.0005
11019	.700	25141.8	-.47	-0.03	-.0009	.0035	-.0019	.0000	.0002	.0003	-.0008

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TEST TP	24		RUN 20		CL	CD	CMS	CRMS	CYMS	CYS	COC
	MACH	Q PA	ALPHA DEG	BETA DEG							
11020	.501	15026.9	-1.45	-.02	-.0132	.0150	.0059	.0002	-.0022	.0075	.0060
11021	.502	15067.2	-3.99	-.10	-.1694	.0242	.0782	.0004	-.0025	.0086	.0059
11022	.500	15008.7	-1.84	-.05	-.0613	.0169	.0271	.0003	-.0023	.0073	.0060
11023	.502	15108.5	-.64	-.03	-.0063	.0154	.0022	.0003	-.0022	.0060	.0060
11024	.502	15121.1	1.88	.03	.1088	.0176	-.0503	.0002	-.0020	.0043	.0059
11025	.501	15042.5	3.80	.06	.2118	.0248	-.0998	.0006	-.0017	.0029	.0062
11026	.501	15034.6	5.87	.10	.3181	.0405	-.1526	.0009	-.0015	.0017	.0065
11027	.500	15006.0	8.00	.16	.4699	.0713	-.2251	.0000	-.0010	-.0008	.0071
11028	.500	15004.0	9.64	.17	.5454	.0956	-.2589	.0001	-.0010	-.0012	.0073
11029	.499	14964.1	11.89	.21	.6548	.1381	-.2885	-.0002	-.0010	-.0021	.0078
11030	.500	14997.8	13.92	.21	.7213	.1773	-.3060	.0005	-.0011	-.0030	.0078
11031	.500	14971.3	15.87	.26	.8112	.2277	-.3378	.0004	-.0008	-.0043	.0077
11032	.500	14970.7	17.76	.34	.9119	.2885	-.3767	.0003	-.0005	-.0058	.0074
11033	.500	14999.5	19.84	.46	.9955	.3546	-.4111	.0003	-.0001	-.0076	.0070
11034	.500	15008.3	21.75	.34	1.0450	.4112	-.4333	.0007	.0004	-.0079	.0069
11035	.501	15053.1	23.82	.39	1.1336	.4933	-.4790	.0001	.0014	-.0105	.0073
11036	.500	14970.9	25.86	.47	1.1883	.5665	-.5121	-.0011	.0025	-.0172	.0077
11037	.500	15012.6	27.88	.43	1.2262	.6384	-.5392	.0013	.0014	-.0125	.0085
11038	.500	14983.7	29.63	.46	1.1917	.6691	-.5255	.0038	-.0021	-.0038	.0105
11039	.500	14982.5	-.44	-.01	-.0162	.0147	.0057	.0003	-.0020	.0042	.0059

TEST TP	24		RUN 20		CN	CA	CM	CRM	CYM	CY
	MACH	Q PA	ALPHA DEG	BETA DEG						
11020	.501	15026.9	-1.45	-.02	-.0133	.0149	.0059	.0001	-.0022	.0075
11021	.502	15067.2	-3.99	-.10	-.1707	.0123	.0782	.0002	-.0025	.0086
11022	.500	15008.7	-1.84	-.05	-.0618	.0149	.0271	.0003	-.0023	.0073
11023	.502	15108.5	-.64	-.03	-.0064	.0154	.0022	.0003	-.0022	.0060
11024	.502	15121.1	1.88	.03	.1094	.0140	-.0503	.0003	-.0020	.0043
11025	.501	15042.5	3.80	.06	.2130	.0107	-.0998	.0007	-.0016	.0029
11026	.501	15034.6	5.87	.10	.3206	.0077	-.1526	.0010	-.0014	.0017
11027	.500	15006.0	8.00	.16	.4753	.0052	-.2251	.0002	-.0010	-.0008
11028	.500	15004.0	9.64	.17	.5537	.0029	-.2589	.0002	-.0009	-.0012
11029	.499	14964.1	11.89	.21	.6692	.0002	-.2885	-.0000	-.0010	-.0021
11030	.500	14997.8	13.92	.21	.7428	-.0014	-.3060	.0007	-.0009	-.0030
11031	.500	14971.3	15.87	.26	.8426	-.0028	-.3378	.0007	-.0007	-.0043
11032	.500	14970.7	17.76	.34	.9564	-.0034	-.3767	.0005	-.0004	-.0058
11033	.500	14999.5	19.84	.46	1.0567	-.0042	-.4111	.0003	.0001	-.0076
11034	.500	15008.3	21.75	.34	1.1230	-.0052	-.4333	.0006	.0006	-.0079
11035	.501	15053.1	23.82	.39	1.2362	-.0065	-.4790	-.0004	.0013	-.0105
11036	.500	14970.9	25.86	.47	1.3164	-.0086	-.5121	-.0021	.0018	-.0172
11037	.500	15012.6	27.88	.43	1.3824	-.0091	-.5392	.0005	.0019	-.0125
11038	.500	14983.7	29.63	.46	1.3667	-.0076	-.5255	.0044	.0001	-.0038
11039	.500	14982.5	-.44	-.01	-.0163	.0146	.0057	.0003	-.0020	.0042



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TEST TP	24 MACH	Q PA	RUN 20		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
11020	.501	15026.9	-4.45	-.03	-.0006	.0037	-.0016	.0000	.0002	.0003	-.0028
11021	.502	15067.2	-3.99	-.15	-.0070	.0042	-.0134	.0000	.0001	.0001	-.0028
11022	.500	15008.7	-1.84	-.08	-.0025	.0039	-.0053	.0000	.0001	.0001	-.0029
11023	.502	15108.5	-.64	-.04	-.0002	.0038	-.0009	.0000	.0001	.0000	-.0029
11024	.502	15121.1	1.88	.06	.0049	.0039	.0083	.0000	-.0000	-.0000	-.0028
11025	.501	15042.5	3.80	.11	.0090	.0041	.0157	-.0000	-.0001	-.0001	-.0025
11026	.501	15034.6	5.87	.17	.0130	.0045	.0226	.0000	.0001	.0002	-.0022
11027	.500	15006.0	8.00	.26	.0187	.0055	.0325	-.0000	-.0002	-.0003	-.0016
11028	.500	15004.0	9.63	.29	.0218	.0061	.0376	-.0000	-.0001	-.0000	-.0013
11029	.499	14964.1	11.89	.37	.0283	.0079	.0480	.0000	.0000	.0001	-.0006
11030	.500	14997.8	13.91	.39	.0331	.0094	.0554	-.0000	-.0000	.0001	-.0001
11031	.500	14971.3	15.87	.46	.0389	.0117	.0645	-.0000	-.0001	.0000	.0004
11032	.500	14970.7	17.75	.56	.0456	.0148	.0749	-.0000	-.0001	.0000	.0009
11033	.500	14999.5	19.83	.71	.0521	.0183	.0851	-.0001	-.0003	-.0001	.0014
11034	.500	15008.3	21.74	.62	.0567	.0213	.0928	-.0000	-.0001	.0003	.0018
11035	.501	15053.1	23.81	.69	.0636	.0257	.1040	-.0000	-.0001	.0000	.0025
11036	.500	14970.9	25.85	.80	.0686	.0295	.1121	-.0003	-.0006	-.0012	.0029
11037	.500	15012.6	27.87	.78	.0741	.0341	.1215	-.0001	-.0001	.0001	.0031
11038	.500	14983.7	29.63	.83	.0787	.0382	.1299	.0004	.0006	.0019	.0030
11039	.500	14982.5	-.44	-.02	-.0009	.0035	-.0019	.0000	.0004	.0005	-.0029

TEST TP	24 MACH	Q PA	RUN 20		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
11020	.501	15026.9	-4.45	-.03	-.0006	.0037	-.0016	.0000	.0002	.0003	-.0007
11021	.502	15067.2	-3.99	-.15	-.0073	.0037	-.0134	.0000	.0001	.0001	-.0007
11022	.500	15008.7	-1.84	-.08	-.0026	.0038	-.0053	.0000	.0001	.0001	-.0007
11023	.502	15108.5	-.64	-.04	-.0003	.0038	-.0009	.0000	.0001	.0000	-.0007
11024	.502	15121.1	1.88	.06	.0050	.0037	.0083	.0000	-.0000	-.0000	-.0007
11025	.501	15042.5	3.80	.11	.0093	.0035	.0157	.0000	-.0001	-.0001	-.0006
11026	.501	15034.6	5.87	.17	.0134	.0032	.0226	-.0000	.0001	.0002	-.0005
11027	.500	15006.0	8.00	.26	.0193	.0029	.0325	.0000	-.0002	-.0003	-.0004
11028	.500	15004.0	9.63	.29	.0225	.0024	.0376	-.0000	-.0001	-.0000	-.0004
11029	.499	14964.1	11.89	.37	.0294	.0019	.0480	-.0000	.0000	.0001	-.0002
11030	.500	14997.8	13.91	.39	.0344	.0012	.0554	.0000	-.0000	.0001	-.0000
11031	.500	14971.3	15.87	.46	.0406	.0006	.0645	.0000	-.0001	.0000	.0001
11032	.500	14970.7	17.75	.56	.0480	.0002	.0749	.0000	-.0001	.0000	.0002
11033	.500	14999.5	19.83	.71	.0552	-.0005	.0851	.0000	-.0003	-.0001	.0003
11034	.500	15008.3	21.74	.62	.0606	-.0012	.0928	.0000	-.0001	.0003	.0004
11035	.501	15053.1	23.81	.69	.0686	-.0022	.1040	.0000	-.0001	.0000	.0006
11036	.500	14970.9	25.85	.80	.0746	-.0034	.1121	-.0000	-.0007	-.0012	.0007
11037	.500	15012.6	27.87	.78	.0815	-.0045	.1215	.0000	-.0001	.0001	.0008
11038	.500	14983.7	29.63	.83	.0873	-.0057	.1299	.0000	.0007	.0019	.0007
11039	.500	14982.5	-.44	-.02	-.0009	.0035	-.0019	.0000	.0004	.0005	-.0007

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TEST TP	MACH	Q PA	RUN 21		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
11040	.301	6038.5	-4.43	-0.01	-0.0113	.0156	.0047	.0001	-.0017	.0025	.0057
11041	.301	6036.2	-3.97	-0.07	-0.1783	.0247	.0818	.0004	-.0020	.0051	.0058
11042	.301	6035.0	-2.20	-0.04	-0.0897	.0182	.0389	.0002	-.0017	.0023	.0057
11043	.301	6048.3	-.63	-0.01	-0.0024	.0172	.0004	.0001	-.0016	.0014	.0057
11044	.301	6036.4	1.90	.02	.1106	.0194	-.0502	.0003	-.0013	.0009	.0057
11045	.301	6038.9	4.04	.05	.2242	.0279	-.1058	.0003	-.0010	-.0026	.0060
11046	.300	6028.0	5.89	.08	.3100	.0406	-.1474	.0007	-.0007	-.0039	.0063
11047	.300	6018.1	7.82	.13	.4255	.0645	-.2018	.0004	-.0006	-.0065	.0067
11048	.300	5999.2	10.31	.22	.5781	.1082	-.2652	.0004	-.0005	-.0098	.0073
11049	.300	6004.5	11.91	.24	.6408	.1362	-.2795	.0004	-.0006	-.0095	.0075
11050	.300	6010.0	13.85	.29	.7128	.1740	-.3025	.0008	-.0006	-.0106	.0075
11051	.300	6008.8	15.87	.31	.8193	.2303	-.3390	.0007	-.0003	-.0122	.0074
11052	.300	6020.2	17.95	.34	.9130	.2913	-.3741	.0004	-.0001	-.0140	.0069
11053	.300	6001.7	19.71	.38	.9721	.3406	-.3998	.0006	.0004	-.0158	.0065
11054	.300	5996.5	21.72	.42	1.0559	.4123	-.4335	.0008	.0010	-.0164	.0063
11055	.300	6014.1	23.71	.45	1.1461	.4922	-.4813	.0004	.0021	-.0177	.0066
11056	.300	6002.9	25.80	.45	1.2290	.5796	-.5258	.0027	.0017	-.0149	.0074
11057	.301	6060.7	27.62	.39	1.2578	.6418	-.5446	.0043	.0000	-.0099	.0079
11058	.301	6038.6	29.87	.46	1.2329	.6937	-.5399	.0075	-.0071	.0016	.0093
11059	.300	6024.9	31.62	.57	1.1867	.7202	-.5256	.0014	.0050	-.0240	.0108
11061	.300	5996.2	33.54	.64	1.1816	.7715	-.5383	.0006	.0074	-.0380	.0108
11062	.300	6019.0	35.53	.65	1.1661	.8224	-.5574	.0025	.0074	-.0342	.0111
11063	.298	5957.2	-.43	-.00	-.0151	.0156	.0040	.0000	-.0013	-.0069	.0057

TEST TP	MACH	Q PA	RUN 21		CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
11040	.301	6038.5	-4.43	-0.01	-0.0115	.0155	.0047	.0001	-.0017	.0025
11041	.301	6036.2	-3.97	-0.07	-0.1796	.0122	.0818	.0004	-.0021	.0051
11042	.301	6035.0	-2.20	-0.04	-0.0903	.0148	.0389	.0001	-.0017	.0023
11043	.301	6048.3	-.63	-0.01	-0.0026	.0172	.0004	.0001	-.0016	.0014
11044	.301	6036.4	1.90	.02	.1112	.0157	-.0502	.0003	-.0013	.0009
11045	.301	6038.9	4.04	.05	.2256	.0120	-.1058	.0003	-.0010	-.0026
11046	.300	6028.0	5.89	.08	.3126	.0085	-.1474	.0008	-.0006	-.0039
11047	.300	6018.1	7.82	.13	.4303	.0060	-.2018	.0005	-.0006	-.0065
11048	.300	5999.2	10.31	.22	.5881	.0029	-.2652	.0004	-.0004	-.0098
11049	.300	6004.5	11.91	.24	.6552	.0011	-.2795	.0005	-.0005	-.0095
11050	.300	6010.0	13.85	.29	.7338	-.0017	-.3025	.0009	-.0004	-.0106
11051	.300	6008.8	15.87	.31	.8511	-.0025	-.3390	.0008	-.0001	-.0122
11052	.300	6020.2	17.95	.34	.9583	-.0043	-.3741	.0004	.0001	-.0140
11053	.300	6001.7	19.71	.38	1.0300	-.0071	-.3998	.0004	.0006	-.0158
11054	.300	5996.5	21.72	.42	1.1335	-.0077	-.4335	.0004	.0012	-.0164
11055	.300	6014.1	23.71	.45	1.2473	-.0103	-.4813	-.0005	.0021	-.0177
11056	.300	6002.9	25.80	.45	1.3587	-.0131	-.5258	.0017	.0027	-.0149
11057	.301	6060.7	27.62	.39	1.4120	-.0144	-.5446	.0038	.0020	-.0099
11058	.301	6038.6	29.87	.46	1.4146	-.0124	-.5399	.0101	-.0024	.0016
11059	.300	6024.9	31.62	.57	1.3881	-.0089	-.5256	-.0014	.0050	-.0240
11061	.300	5996.2	33.54	.64	1.4111	-.0099	-.5383	-.0036	.0065	-.0380
11062	.300	6019.0	35.53	.65	1.4269	-.0082	-.5574	-.0023	.0075	-.0342
11063	.298	5957.2	-.43	-.00	-.0152	.0155	.0040	.0000	-.0013	-.0069

## NASA LANGLEY

## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 21		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
11040	.301	6038.5	-4.43	-0.02	-.0006	.0040	-.0017	.0000	-.0003	-.0005	-.0026
11041	.301	6036.2	-3.97	-.12	-.0073	.0042	-.0139	.0000	-.0001	-.0001	-.0025
11042	.301	6035.0	-2.20	-.06	-.0037	.0038	-.0075	.0000	-.0002	-.0005	-.0026
11043	.301	6048.3	-.63	-.02	.0009	.0041	.0003	.0000	-.0001	-.0002	-.0026
11044	.301	6036.4	1.90	.04	.0069	.0043	.0103	.0000	-.0000	.0001	-.0025
11045	.301	6038.9	4.04	.10	.0103	.0046	.0174	-.0000	-.0003	-.0004	-.0022
11046	.300	6028.0	5.89	.15	.0137	.0045	.0231	-.0000	-.0003	-.0005	-.0020
11047	.300	6018.1	7.82	.23	.0180	.0052	.0305	-.0001	-.0005	-.0008	-.0015
11048	.300	5999.2	10.31	.36	.0243	.0070	.0412	-.0001	-.0008	-.0012	-.0005
11049	.300	6004.5	11.90	.39	.0290	.0082	.0483	-.0002	-.0008	-.0013	-.0001
11050	.300	6010.0	13.85	.47	.0337	.0095	.0556	-.0002	-.0007	-.0011	.0004
11051	.300	6008.8	15.86	.51	.0403	.0125	.0659	-.0002	-.0007	-.0010	.0012
11052	.300	6020.2	17.95	.57	.0462	.0152	.0750	-.0002	-.0008	-.0012	.0019
11053	.300	6001.7	19.70	.64	.0501	.0168	.0809	-.0003	-.0008	-.0013	.0024
11054	.300	5996.5	21.72	.69	.0566	.0206	.0912	-.0002	-.0006	-.0008	.0033
11055	.300	6014.1	23.71	.75	.0628	.0245	.1005	-.0002	-.0006	-.0007	.0043
11056	.300	6002.9	25.79	.77	.0687	.0288	.1101	.0000	-.0000	.0006	.0054
11057	.301	6060.7	27.61	.73	.0725	.0319	.1164	.0002	.0003	.0014	.0060
11058	.301	6038.6	29.86	.83	.0780	.0368	.1261	.0005	.0007	.0025	.0061
11059	.300	6024.9	31.61	.96	.0816	.0410	.1334	-.0003	-.0006	-.0010	.0061
11061	.300	5996.2	33.53	1.05	.0846	.0446	.1393	-.0015	-.0023	-.0062	.0064
11062	.300	6019.0	35.52	1.08	.0894	.0498	.1484	-.0016	-.0022	-.0064	.0065
11063	.298	5957.2	-.43	-.01	-.0008	.0035	-.0015	.0000	-.0005	-.0011	-.0027

TEST TP	24 MACH	Q PA	RUN 21		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
11040	.301	6038.5	-4.43	-0.02	-.0006	.0040	-.0017	.0000	-.0003	-.0005	-.0006
11041	.301	6036.2	-3.97	-.12	-.0075	.0037	-.0139	.0000	-.0001	-.0001	-.0006
11042	.301	6035.0	-2.20	-.06	-.0038	.0037	-.0075	.0000	-.0002	-.0005	-.0006
11043	.301	6048.3	-.63	-.02	.0008	.0041	.0003	.0000	-.0001	-.0002	-.0006
11044	.301	6036.4	1.90	.04	.0070	.0041	.0103	.0000	-.0000	.0001	-.0006
11045	.301	6038.9	4.04	.10	.0106	.0039	.0174	.0000	-.0003	-.0004	-.0005
11046	.300	6028.0	5.89	.15	.0141	.0031	.0231	.0000	-.0003	-.0005	-.0005
11047	.300	6018.1	7.82	.23	.0185	.0028	.0305	.0000	-.0005	-.0008	-.0004
11048	.300	5999.2	10.31	.36	.0251	.0025	.0412	.0000	-.0008	-.0012	-.0001
11049	.300	6004.5	11.90	.39	.0300	.0020	.0483	.0000	-.0008	-.0013	-.0000
11050	.300	6010.0	13.85	.47	.0350	.0012	.0556	.0000	-.0007	-.0011	.0001
11051	.300	6008.8	15.86	.51	.0422	.0010	.0659	.0000	-.0007	-.0010	.0003
11052	.300	6020.2	17.95	.57	.0486	.0003	.0750	.0000	-.0008	-.0012	.0005
11053	.300	6001.7	19.70	.64	.0528	-.0011	.0809	.0000	-.0008	-.0013	.0006
11054	.300	5996.5	21.72	.69	.0602	-.0018	.0912	.0000	-.0006	-.0008	.0008
11055	.300	6014.1	23.71	.75	.0673	-.0028	.1005	.0000	-.0006	-.0007	.0011
11056	.300	6002.9	25.79	.77	.0744	-.0040	.1101	.0000	-.0000	.0006	.0014
11057	.301	6060.7	27.61	.73	.0790	-.0054	.1164	.0001	.0004	.0014	.0015
11058	.301	6038.6	29.86	.83	.0860	-.0069	.1261	.0001	.0009	.0025	.0015
11059	.300	6024.9	31.61	.96	.0910	-.0079	.1334	.0000	-.0007	-.0010	.0016
11061	.300	5996.2	33.53	1.05	.0952	-.0095	.1393	-.0009	-.0028	-.0062	.0016
11062	.300	6019.0	35.52	1.08	.1017	-.0113	.1484	-.0000	-.0028	-.0064	.0017
11063	.298	5957.2	-.43	-.01	-.0008	.0035	-.0015	.0000	-.0005	-.0011	-.0007

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 22 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
11078	.701	25182.6	-4.48	-0.02	-.0184	.0158	.0049	.0017	-.0024	.0056	.0061
11079	.700	25167.5	-3.93	-0.10	-.2007	.0271	.0708	.0011	-.0027	.0072	.0061
11080	.700	25147.1	-2.01	-0.06	-.0785	.0183	.0272	.0010	-.0025	.0067	.0061
11081	.700	25144.9	-.63	-0.03	-.0085	.0161	.0017	.0009	-.0024	.0055	.0061
11082	.701	25189.3	1.99	.03	.1183	.0192	-.0443	.0010	-.0021	.0047	.0060
11083	.700	25151.7	3.89	.07	.2102	.0274	-.0778	.0014	-.0022	.0042	.0062
11084	.700	25168.8	5.83	.11	.3466	.0474	-.1267	.0002	-.0017	.0031	.0067
11085	.700	25137.6	8.03	.17	.4663	.0767	-.1648	.0006	-.0017	.0020	.0071
11086	.700	25170.5	10.02	.21	.5742	.1125	-.1839	.0004	-.0015	.0005	.0071
11087	.701	25172.4	11.75	.21	.6751	.1519	-.2046	.0004	-.0011	-.0007	.0071
11088	.699	25098.5	13.97	.32	.8146	.2147	-.2303	.0001	-.0011	-.0023	.0072
11089	.701	25127.5	15.82	.47	.9383	.2782	-.2720	-.0003	-.0009	-.0041	.0082
11090	.700	25088.3	18.03	.47	1.0599	.3566	-.3082	-.0011	-.0000	-.0056	.0083
11091	.701	25124.6	19.67	.57	1.1525	.4224	-.3313	-.0011	.0002	-.0072	.0080
11092	.700	25103.6	-.44	-.03	-.0152	.0158	.0043	.0005	-.0022	.0057	.0061

TEST TP	24 MACH	Q PA	RUN 22 ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY
11078	.701	25182.6	-4.48	-0.02	-.0185	.0156	.0049	.0007	-.0024	.0056
11079	.700	25167.5	-3.93	-0.10	-.2021	.0133	.0708	.0002	-.0028	.0072
11080	.700	25147.1	-2.01	-0.06	-.0791	.0155	.0272	.0009	-.0026	.0067
11081	.700	25144.9	-.63	-0.03	-.0087	.0160	.0017	.0009	-.0024	.0055
11082	.701	25189.3	1.99	.03	.1189	.0151	-.0443	.0011	-.0020	.0047
11083	.700	25151.7	3.89	.07	.2116	.0131	-.0778	.0015	-.0021	.0042
11084	.700	25168.8	5.83	.11	.3496	.0120	-.1267	.0003	-.0017	.0031
11085	.700	25137.6	8.03	.17	.4724	.0108	-.1648	.0008	-.0016	.0020
11086	.700	25170.5	10.02	.21	.5850	.0110	-.1839	.0006	-.0014	.0005
11087	.701	25172.4	11.75	.21	.6919	.0113	-.2046	.0007	-.0010	-.0007
11088	.699	25098.5	13.97	.32	.8423	.0117	-.2303	.0004	-.0011	-.0023
11089	.701	25127.5	15.82	.47	.9786	.0118	-.2720	-.0001	-.0010	-.0041
11090	.700	25088.3	18.03	.47	1.1182	.0110	-.3082	-.0011	-.0004	-.0056
11091	.701	25124.6	19.67	.57	1.2275	.0099	-.3313	-.0011	-.0002	-.0072
11092	.700	25103.6	-.44	-.03	-.0154	.0156	.0043	.0005	-.0022	.0057

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TEST TP	24 MACH	Q PA	RUN 22 ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
11078	.701	25182.6	-4.48	-0.03	-.0034	.0051	-.0039	.0001	.0002	.0002	.0004
11079	.700	25167.5	-3.93	-0.16	-.0344	.0072	-.0342	.0001	.0003	.0004	.0008
11080	.700	25147.1	-2.00	-0.08	-.0124	.0057	-.0135	.0001	.0003	.0004	.0004
11081	.700	25144.9	-.63	-0.04	-.0019	.0053	-.0023	.0001	.0001	.0001	.0004
11082	.701	25189.3	1.99	.05	.0174	.0060	.0180	.0002	.0002	.0001	.0003
11083	.700	25151.7	3.89	.12	.0338	.0075	.0334	.0001	.0001	-.0000	.0004
11084	.700	25168.8	5.83	.19	.0594	.0111	.0571	.0001	.0001	-.0000	.0010
11085	.700	25137.6	8.02	.27	.0837	.0164	.0795	.0001	-.0000	-.0001	.0014
11086	.700	25170.5	10.01	.34	.1096	.0235	.1036	.0001	-.0002	-.0003	.0017
11087	.701	25172.4	11.74	.36	.1333	.0313	.1258	.0001	-.0003	-.0005	.0020
11088	.699	25098.5	13.96	.50	.1676	.0446	.1585	.0000	-.0005	-.0008	.0025
11089	.701	25127.5	15.81	.67	.1939	.0572	.1842	-.0000	-.0006	-.0011	.0031
11090	.700	25088.3	18.02	.70	.2230	.0739	.2138	-.0001	-.0006	-.0011	.0038
11091	.701	25124.6	19.66	.82	.2470	.0887	.2383	-.0001	-.0007	-.0013	.0043
11092	.700	25103.6	-.44	-.03	-.0028	.0051	-.0034	.0001	-.0001	-.0001	.0004

TEST TP	24 MACH	Q PA	RUN 22 ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
11078	.701	25182.6	-4.48	-0.03	-.0034	.0051	-.0039	.0001	.0002	.0002	.0001
11079	.700	25167.5	-3.93	-0.16	-.0349	.0048	-.0342	.0001	.0003	.0004	.0002
11080	.700	25147.1	-2.00	-0.08	-.0126	.0052	-.0135	.0001	.0003	.0004	.0001
11081	.700	25144.9	-.63	-0.04	-.0019	.0053	-.0023	.0001	.0001	.0001	.0001
11082	.701	25189.3	1.99	.05	.0176	.0054	.0180	.0002	.0002	.0001	.0001
11083	.700	25151.7	3.89	.12	.0343	.0052	.0334	.0001	.0001	-.0000	.0001
11084	.700	25168.8	5.83	.19	.0602	.0050	.0571	.0001	.0001	-.0000	.0002
11085	.700	25137.6	8.02	.27	.0852	.0045	.0795	.0001	-.0000	-.0001	.0003
11086	.700	25170.5	10.01	.34	.1120	.0041	.1036	.0001	-.0001	-.0003	.0004
11087	.701	25172.4	11.74	.36	.1368	.0035	.1258	.0001	-.0003	-.0005	.0005
11088	.699	25098.5	13.96	.50	.1734	.0029	.1585	.0002	-.0004	-.0008	.0006
11089	.701	25127.5	15.81	.67	.2022	.0022	.1842	.0001	-.0006	-.0011	.0008
11090	.700	25088.3	18.02	.70	.2350	.0012	.2138	.0001	-.0006	-.0011	.0009
11091	.701	25124.6	19.66	.82	.2624	.0005	.2383	.0001	-.0008	-.0013	.0011
11092	.700	25103.6	-.44	-.03	-.0028	.0051	-.0034	.0001	-.0001	-.0001	.0001

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TEST TP	24		RUN 23		CL	CD	CMS	CRMS	CYMS	CYS	CDC
	MACH	Q PA	ALPHA DEG	BETA DEG							
11093	.501	14998.1	-0.43	-0.03	-.0164	.0164	.0051	.000-	-.0022	.0071	.0059
11094	.500	14981.0	-3.82	-.12	-.1642	.0265	.0616	.0004	-.0025	.0088	.0059
11095	.501	14997.3	-1.93	-0.07	-.0662	.0188	.0224	.0009	-.0023	.0079	.0059
11096	.501	14999.4	-.60	-0.03	-.0049	.0167	.0011	.0004	-.0022	.0066	.0059
11097	.501	15015.8	1.98	.04	.0993	.0191	-.0359	.0004	-.0019	.0052	.0058
11098	.501	15019.1	4.08	.10	.2124	.0284	-.0741	.0007	-.0018	.0042	.0061
11099	.500	14983.2	6.01	.17	.3481	.0492	-.1199	-.0004	-.0015	.0022	.0065
11100	.499	14918.9	8.03	.22	.4685	.0777	-.1523	.0006	-.0013	.0012	.0068
11101	.501	14997.5	9.83	.27	.5477	.1059	-.1643	.0004	-.0013	.0006	.0067
11102	.500	14985.6	11.84	.30	.6636	.1509	-.1858	.0003	-.0012	-.0007	.0066
11103	.500	14971.9	14.02	.30	.8219	.2188	-.2280	-.0008	-.0005	-.0024	.0075
11104	.500	14982.1	15.92	.37	.9585	.2872	-.2704	-.0006	-.0001	-.0048	.0076
11105	.501	15042.1	13.91	.44	.7939	.2091	-.2195	-.0008	-.0005	-.0085	.0073
11106	.499	14909.8	15.77	.47	.9479	.2809	-.2701	-.0004	.0000	-.0105	.0076
11107	.500	14987.0	17.81	.50	1.0801	.3584	-.3027	-.0014	.0005	-.0125	.0075
11108	.499	14938.1	19.75	.63	1.2026	.4418	-.3329	-.0012	.0007	-.0142	.0073
11109	.501	15013.7	21.87	.59	1.3210	.5385	-.3587	-.0006	.0008	-.0154	.0068
11110	.503	15120.4	23.86	.65	1.4057	.6274	-.3698	-.0000	.0008	-.0168	.0064
11111	.497	14830.7	25.72	.67	1.5152	.7330	-.3760	.0011	.0009	-.0205	.0060
11112	.501	15036.5	27.90	.76	1.6190	.8567	-.3940	.0009	.0013	-.0214	.0057
11113	.500	14949.3	29.82	.78	1.6602	.8332	-.2196	.0021	.0039	-.0229	.0072
11114	.502	15052.3	31.85	.81	1.4627	.9023	-.1974	.0032	.0079	-.0280	.0074
11115	.500	14972.8	33.83	.78	1.4948	.9897	-.1704	.0029	.0116	-.0246	.0097
11116	.501	14996.2	35.61	.85	1.5200	1.0716	-.1591	.0039	.0111	-.0168	.0102
11117	.500	14956.0	37.78	.92	1.5405	1.1720	-.1376	.0031	.0145	-.0141	.0116
11118	.498	14854.9	39.55	1.00	1.5395	1.2447	-.1172	.0035	.0123	-.0254	.0128
11119	.500	14956.9	-.44	-.01	-.0200	.0169	.0047	.0003	-.0019	.0020	.0059

TEST TP	24		RUN 23		CN	CA	CM	CRM	CYM	CY
	MACH	Q PA	ALPHA DEG	BETA DEG						
11093	.501	14998.1	-0.43	-0.03	-.0165	.0162	.0051	.0003	-.0022	.0071
11094	.500	14981.0	-3.82	-.12	-.1856	.0141	.0616	.0002	-.0025	.0088
11095	.501	14997.3	-1.93	-0.07	-.0668	.0165	.0224	.0005	-.0023	.0079
11096	.501	14999.4	-.60	-0.03	-.0051	.0167	.0011	.0004	-.0022	.0066
11097	.501	15015.8	1.98	.04	.0999	.0157	-.0359	.0004	-.0019	.0052
11098	.501	15019.1	4.08	.10	.2138	.0133	-.0741	.0008	-.0018	.0042
11099	.500	14983.2	6.01	.17	.3514	.0125	-.1199	-.0002	-.0015	.0022
11100	.499	14918.9	8.03	.22	.4748	.0115	-.1523	.0007	-.0012	.0012
11101	.501	14997.5	9.83	.27	.5577	.0109	-.1643	.0006	-.0012	.0006
11102	.500	14985.6	11.84	.30	.6804	.0115	-.1858	.0006	-.0011	-.0007
11103	.500	14971.9	14.02	.30	.8504	.0131	-.2280	-.0007	-.0007	-.0024
11104	.500	14982.1	15.92	.37	1.0005	.0133	-.2704	-.0005	-.0002	-.0048
11105	.501	15042.1	13.91	.44	.8209	.0121	-.2195	-.0006	-.0007	-.0085
11106	.499	14909.8	15.77	.47	.9986	.0126	-.2701	-.0004	-.0001	-.0105
11107	.500	14987.0	17.81	.50	1.1379	.0107	-.3027	-.0015	.0000	-.0125
11108	.499	14938.1	19.75	.63	1.2811	.0093	-.3329	-.0013	.0003	-.0142
11109	.501	15013.7	21.87	.59	1.4265	.0077	-.3587	-.0008	.0005	-.0154
11110	.503	15120.4	23.86	.65	1.5393	.0052	-.3698	-.0004	.0007	-.0168
11111	.497	14830.7	25.72	.67	1.6832	.0029	-.3760	.0006	.0013	-.0205
11112	.501	15036.5	27.90	.76	1.8317	-.0005	-.3940	.0002	.0015	-.0214
11113	.500	14949.3	29.82	.78	1.6812	-.0032	-.2196	-.0001	.0044	-.0229
11114	.502	15052.3	31.85	.81	1.7186	-.0055	-.1974	-.0015	.0083	-.0280
11115	.500	14972.8	33.83	.78	1.7927	-.0100	-.1704	-.0041	.0112	-.0246
11116	.501	14996.2	35.61	.85	1.8597	-.0139	-.1591	-.0033	.0113	-.0168
11117	.500	14956.0	37.78	.92	1.9356	-.0175	-.1376	-.0065	.0134	-.0141
11118	.498	14854.9	39.55	1.00	1.9796	-.0205	-.1172	-.0051	.0118	-.0254
11119	.500	14956.9	-.44	-.01	-.0202	.0168	.0047	.0003	-.0019	.0020

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TEST TP	24 MACH	Q PA	RUN 23		CL2	CD2	CMS2	CRM2	CYM2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
11093	.501	14948.1	-4.3	-0.3	-.0032	.0055	-.0039	.0001	-.0002	-.0004	.0002
11094	.500	14981.0	-3.82	-.17	-.0337	.0073	-.0334	.0001	.0000	.0000	.0008
11095	.501	14997.3	-1.92	-.09	-.0108	.0060	-.0119	.0001	-.0001	-.0001	.0003
11096	.501	14999.4	-.60	-.04	-.0013	.0056	-.0019	.0001	-.0002	-.0004	.0002
11097	.501	15015.8	1.98	.07	.0148	.0060	.0152	.0001	-.0003	-.0006	.0002
11098	.501	15019.1	4.08	.15	.0367	.0079	.0358	.0001	-.0002	-.0005	.0005
11099	.500	14983.2	6.01	.25	.0637	.0119	.0605	.0001	-.0004	-.0007	.0010
11100	.499	14918.9	8.03	.32	.0903	.0176	.0849	.0001	-.0003	-.0005	.0014
11101	.501	14997.5	9.82	.39	.1106	.0234	.1036	.0001	-.0004	-.0007	.0018
11102	.500	14985.6	11.84	.45	.1388	.0327	.1297	.0000	-.0005	-.0008	.0021
11103	.500	14971.9	14.01	.48	.1755	.0469	.1640	.0000	-.0006	-.0010	.0028
11104	.500	14982.1	15.91	.58	.2055	.0610	.1927	-.0001	-.0007	-.0013	.0035
11105	.501	15042.1	13.90	.62	.1699	.0449	.1588	-.0000	-.0008	-.0016	.0027
11106	.499	14909.8	15.77	.67	.2028	.0595	.1901	-.0001	-.0008	-.0016	.0036
11107	.500	14987.0	17.81	.73	.2349	.0769	.2213	-.0002	-.0010	-.0020	.0044
11108	.499	14938.1	19.74	.88	.2669	.0963	.2531	-.0003	-.0011	-.0022	.0054
11109	.501	15013.7	21.86	.87	.2997	.1196	.2869	-.0004	-.0012	-.0027	.0062
11110	.503	15120.4	23.85	.95	.3266	.1422	.3161	-.0004	-.0013	-.0032	.0077
11111	.497	14830.7	25.71	.99	.3633	.1711	.3560	-.0006	-.0017	-.0042	.0088
11112	.501	15036.5	27.89	1.11	.3935	.2025	.3921	-.0006	-.0015	-.0043	.0103
11113	.500	14949.3	29.81	1.15	.4120	.2292	.4211	-.0006	-.0016	-.0039	.0112
11114	.502	15052.3	31.84	1.20	.4279	.2569	.4470	-.0008	-.0018	-.0049	.0111
11115	.500	14972.8	33.82	1.19	.4537	.2926	.4862	-.0003	-.0005	-.0002	.0110
11116	.501	14996.2	35.60	1.29	.4692	.3208	.5141	.0011	.0025	.0067	.0105
11117	.500	14956.0	37.77	1.38	.4895	.3608	.5558	.0009	.0022	.0057	.0108
11118	.498	14854.9	39.54	1.47	.5003	.3908	.5841	-.0007	-.0000	.0007	.0112
11119	.500	14956.9	-.44	-.02	-.0035	.0056	-.0041	.0001	-.0000	-.0000	.0003

TEST TP	24 MACH	Q PA	RUN 23		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
11093	.501	14998.1	-4.3	-0.3	-.0032	.0055	-.0039	.0001	-.0002	-.0004	.0001
11094	.500	14981.0	-3.82	-.17	-.0341	.0051	-.0334	.0001	.0000	.0000	.0002
11095	.501	14997.3	-1.92	-.09	-.0110	.0056	-.0119	.0001	-.0001	-.0001	.0001
11096	.501	14999.4	-.60	-.04	-.0014	.0056	-.0019	.0001	-.0002	-.0004	.0001
11097	.501	15015.8	1.98	.07	.0150	.0055	.0152	.0001	-.0003	-.0006	.0001
11098	.501	15019.1	4.08	.15	.0372	.0052	.0358	.0001	-.0002	-.0005	.0001
11099	.500	14983.2	6.01	.25	.0646	.0052	.0605	.0001	-.0004	-.0007	.0002
11100	.499	14918.9	8.03	.32	.0919	.0048	.0849	.0001	-.0003	-.0005	.0003
11101	.501	14997.5	9.82	.39	.1130	.0041	.1036	.0001	-.0004	-.0007	.0004
11102	.500	14985.6	11.84	.45	.1425	.0036	.1297	.0001	-.0005	-.0008	.0005
11103	.500	14971.9	14.01	.48	.1816	.0030	.1640	.0002	-.0006	-.0010	.0007
11104	.500	14982.1	15.91	.58	.2144	.0023	.1927	.0001	-.0007	-.0013	.0009

11105	.501	15042.1	13.90	.62	.1757	.0027	.1588	.0002	-.0008	-.0016	.0006
11106	.499	14909.8	15.77	.67	.2114	.0021	.1901	.0002	-.0008	-.0016	.0009
11107	.500	14987.0	17.81	.73	.2472	.0014	.2213	.0001	-.0010	-.0020	.0011
11108	.499	14938.1	19.74	.88	.2837	.0005	.2531	.0001	-.0011	-.0022	.0013
11109	.501	15013.7	21.86	.87	.3227	-.0006	.2869	.0001	-.0013	-.0027	.0015
11110	.503	15120.4	23.85	.95	.3562	-.0020	.3161	.0002	-.0014	-.0032	.0019
11111	.497	14830.7	25.71	.99	.4015	-.0034	.3560	.0002	-.0018	-.0042	.0022
11112	.501	15036.5	27.89	1.11	.4425	-.0051	.3921	.0002	-.0016	-.0043	.0026
11113	.500	14949.3	29.81	1.15	.4714	-.0059	.4211	.0003	-.0017	-.0039	.0028
11114	.502	15052.3	31.84	1.20	.4990	-.0075	.4470	.0003	-.0019	-.0040	.0028
11115	.500	14972.8	33.82	1.19	.5397	-.0094	.4862	.0001	-.0006	-.0002	.0027
11116	.501	14996.2	35.60	1.29	.5682	-.0123	.5141	-.0005	.0027	.0067	.0027
11117	.500	14956.0	37.77	1.38	.6080	-.0146	.5558	-.0007	.0023	.0057	.0028
11118	.498	14854.9	39.54	1.47	.6346	-.0171	.5841	-.0005	-.0005	.0007	.0029
11119	.500	14956.9	-.44	-.02	-.0036	.0055	-.0041	.0001	-.0000	-.0000	.0001

NASA LANGLEY				7 X 10 HIGH SPEED TUNNEL							
TEST	24		RUN	25							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
11142	.699	25151.3	-4.48	-.01	-.0150	.0153	.0033	.0007	-.0019	.0036	.0061
11143	.699	25163.7	17.79	.16	1.0652	.3523	-.3104	-.0010	.0005	-.0067	.0083
11144	.700	25216.8	19.77	.20	1.1666	.4285	-.3370	-.0007	.0007	-.0075	.0080
11145	.700	25192.5	21.86	.19	1.2861	.5234	-.3625	.0001	.0016	-.0096	.0074
11146	.700	25187.1	23.93	.18	1.3945	.6234	-.3772	.0005	.0028	-.0121	.0068
11147	.699	25165.3	25.65	.26	1.4711	.7086	-.3748	.0006	.0026	-.0127	.0063
11148	.700	25212.8	27.85	.25	1.5519	.8178	-.3675	.0015	.0017	-.0123	.0054
11149	.699	25169.5	-.44	-.02	-.0119	.0156	.0035	.0006	-.0019	.0070	.0061
TEST	24		RUN	25							
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CN	CA	. CM	CRM	CYM	CY	
11142	.699	25151.3	-4.48	-.01	-.0151	.0152	.0033	.0007	-.0019	.0036	
11143	.699	25163.7	17.79	.16	1.1219	.0100	-.3104	-.0011	.0002	-.0067	
11144	.700	25216.8	19.77	.20	1.2428	.0085	-.3370	-.0009	.0004	-.0075	
11145	.700	25192.5	21.86	.19	1.3885	.0068	-.3625	-.0005	.0015	-.0096	
11146	.700	25187.1	23.93	.18	1.5275	.0043	-.3772	-.0007	.0028	-.0121	
11147	.699	25165.3	25.65	.26	1.6329	.0019	-.3748	-.0006	.0026	-.0127	
11148	.700	25212.8	27.85	.25	1.7542	-.0018	-.3675	.0005	.0022	-.0123	
11149	.699	25169.5	-.44	-.02	-.0120	.0155	.0035	.0006	-.0019	.0070	

NASA LANGLEY				7 X 10 HIGH SPEED TUNNEL							
TEST	24		RUN	25							
TP	MACH	Q PA	ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	C882
11142	.699	25151.3	-4.48	-.01	-.0024	.0050	-.0029	.0001	.0003	.0004	.0002
11143	.699	25163.7	17.79	.38	.2242	.0734	.2142	.0000	-.0003	-.0005	.0037
11144	.700	25216.8	19.77	.45	.2502	.0904	.2411	.0000	-.0003	-.0005	.0044
11145	.700	25192.5	21.86	.47	.2829	.1127	.2759	-.0000	-.0003	-.0006	.0054
11146	.700	25187.1	23.92	.49	.3151	.1375	.3121	-.0001	-.0004	-.0008	.0066
11147	.699	25165.3	25.64	.59	.3420	.1606	.3443	-.0002	-.0005	-.0012	.0075
11148	.700	25212.8	27.84	.60	.3731	.1916	.3837	-.0001	-.0003	-.0011	.0093
11149	.699	25169.5	-.44	-.03	-.0021	.0052	-.0029	.0001	.0003	.0006	.0003
TEST	24		RUN	25							
TP	MACH	Q PA	ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
11142	.699	25151.3	-4.48	-.01	-.0024	.0050	-.0029	.0001	.0003	.0004	.0001
11143	.699	25163.7	17.79	.38	.2359	.0014	.2142	.0001	-.0003	-.0005	.0009
11144	.700	25216.8	19.77	.45	.2660	.0004	.2411	.0001	-.0003	-.0005	.0011
11145	.700	25192.5	21.86	.47	.3046	-.0008	.2759	.0001	-.0003	-.0006	.0013
11146	.700	25187.1	23.92	.49	.3438	-.0021	.3121	.0001	-.0004	-.0008	.0016
11147	.699	25165.3	25.64	.59	.3778	-.0032	.3443	.0000	-.0005	-.0012	.0019
11148	.700	25212.8	27.84	.60	.4194	-.0048	.3837	.0000	-.0004	-.0011	.0023
11149	.699	25169.5	-.44	-.03	-.0022	.0052	-.0029	.0001	.0003	.0006	.0001

## NASA LANGLEY

## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 26		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
11150	.300	6048.5	-4.2	-.02	-.0083	.0172	.0050	-.0001	-.0021	.0185	.0057
11151	.300	6028.1	-3.94	-.05	-.1792	.0282	.0616	-.0000	-.0019	.0190	.0057
11152	.300	6054.3	-1.98	-.04	-.0732	.0201	.0264	-.0001	-.0017	.0153	.0057
11153	.301	6075.7	-.62	-.02	-.0001	.0191	.0014	.0000	-.0016	.0143	.0057
11154	.300	6046.1	1.89	.02	.1149	.0217	-.0378	-.0003	-.0015	.0109	.0056
11155	.301	6067.8	3.98	.04	.2303	.0315	-.0760	.0001	-.0013	.0097	.0059
11156	.300	6044.0	6.06	.06	.3513	.0510	-.1150	-.0009	-.0008	.0082	.0062
11157	.300	6038.1	8.03	.08	.4675	.0782	-.1456	.0003	-.0007	.0066	.0065
11158	.300	6044.1	9.88	.05	.5467	.1057	-.1570	-.0001	-.0002	.0049	.0064
11159	.300	6039.9	11.83	.08	.6782	.1538	-.1785	-.0001	-.0004	.0030	.0062
11160	.300	6046.0	13.86	.08	.8267	.2177	-.2282	-.0010	.0005	.0009	.0069
11161	.300	6045.8	15.83	.13	.9500	.2805	-.2657	-.0020	.0012	-.0031	.0070
11162	.299	6000.2	17.86	.10	1.1081	.3674	-.3078	-.0027	.0017	-.0044	.0067
11163	.300	6029.6	19.78	.12	1.2053	.4407	-.3310	-.0029	.0023	-.0070	.0066
11164	.299	6007.3	21.94	.13	1.3611	.5542	-.3656	-.0017	.0030	-.0100	.0061
11165	.300	6055.6	23.78	.21	1.4363	.6354	-.3790	-.0013	.0042	-.0151	.0058
11166	.300	6019.1	25.81	.25	1.5616	.7552	-.3947	-.0002	.0038	-.0171	.0055
11167	.300	6024.2	27.83	.21	1.4745	.7704	-.2644	.0010	.0027	-.0151	.0071
11168	.300	6049.4	29.66	.15	1.4804	.8346	-.2163	.0004	.0035	-.0150	.0071
11169	.301	6067.8	31.67	.14	1.4921	.9081	-.1976	.0013	.0032	-.0168	.0071
11170	.299	6018.8	33.60	.21	1.5284	1.0001	-.1852	.0016	.0030	-.0208	.0071
11171	.300	6040.6	35.59	.25	1.5495	1.0883	-.1710	.0016	.0036	-.0246	.0081
11172	.300	6034.5	37.61	.27	1.5626	1.1783	-.1628	.0015	.0035	-.0270	.0090
11173	.301	6059.4	39.78	.32	1.5623	1.2705	-.1527	.0011	.0044	-.0265	.0102
11174	.299	6015.0	41.81	.35	1.5317	1.3345	-.1296	.0010	.0032	-.0304	.0123
11175	.300	6040.8	-.44	-.01	-.0150	.0174	.0040	-.0002	-.0016	.0021	.0057

TEST TP	24 MACH	Q PA	RUN 26		CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
11150	.300	6048.5	-4.2	-.02	-.0084	.0171	.0050	-.0002	-.0021	.0185
11151	.300	6028.1	-3.94	-.05	-.1807	.0158	.0616	-.0002	-.0019	.0190
11152	.300	6054.3	-1.98	-.04	-.0734	.0175	.0264	-.0002	-.0017	.0153
11153	.301	6075.7	-.62	-.02	-.0003	.0191	.0014	.0000	-.0016	.0143
11154	.300	6046.1	1.89	.02	.1156	.0179	-.0378	-.0003	-.0015	.0109
11155	.301	6067.8	3.98	.04	.2319	.0154	-.0760	.0002	-.0013	.0097
11156	.300	6044.0	6.06	.06	.3548	.0136	-.1150	-.0008	-.0009	.0082
11157	.300	6038.1	8.03	.08	.4738	.0121	-.1456	.0004	-.0006	.0066
11158	.300	6044.1	9.88	.05	.5567	.0103	-.1570	-.0001	-.0002	.0049
11159	.300	6039.9	11.83	.08	.6953	.0116	-.1785	.0000	-.0004	.0030
11160	.300	6046.0	13.86	.08	.8547	.0133	-.2282	-.0011	.0003	.0009
11161	.300	6045.8	15.83	.13	.9905	.0107	-.2657	-.0022	.0006	-.0031
11162	.299	6000.2	17.86	.10	1.1674	.0099	-.3078	-.0031	.0008	-.0044
11163	.300	6029.6	19.78	.12	1.2833	.0068	-.3310	-.0036	.0012	-.0070
11164	.299	6007.3	21.44	.13	1.4696	.0056	-.3656	-.0027	.0021	-.0100
11165	.300	6055.6	23.78	.21	1.5706	.0023	-.3790	-.0028	.0033	-.0151
11166	.300	6019.1	25.81	.25	1.7346	.0000	-.3947	-.0018	.0034	-.0171
11167	.300	6024.2	27.83	.21	1.6636	-.0070	-.2644	-.0004	.0029	-.0151
11168	.300	6049.4	29.66	.15	1.6994	-.0073	-.2163	-.0013	.0033	-.0150
11169	.301	6067.8	31.67	.14	1.7467	-.0107	-.1976	-.0006	.0034	-.0168
11170	.299	6018.8	33.60	.21	1.8265	-.0128	-.1852	-.0004	.0034	-.0208
11171	.300	6040.6	35.59	.25	1.8934	-.0167	-.1710	-.0007	.0039	-.0246
11172	.300	6034.5	37.61	.27	1.9569	-.0203	-.1628	-.0010	.0037	-.0270
11173	.301	6059.4	39.78	.32	2.0136	-.0233	-.1527	-.0020	.0041	-.0265
11174	.299	6015.0	41.81	.35	2.0314	-.0263	-.1296	-.0014	.0031	-.0304
11175	.300	6040.8	-.44	-.01	-.0151	.0172	.0040	-.0002	-.0016	.0021



## NASA LANGLEY

## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 26		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
11150	.300	6048.5	-4.42	-0.03	-0.0030	.0065	-.0041	.0001	.0005	.0012	.0002
11151	.300	6028.1	-3.94	-0.10	-0.0344	.0085	-.0344	.0001	.0035	.0012	.0007
11152	.300	6054.3	-1.98	-0.06	-0.0129	.0067	-.0142	.0001	.0003	.0006	.0003
11153	.301	6075.7	-.62	-0.03	-0.0010	.0068	-.0020	.0001	.0000	.0003	.0001
11154	.300	6046.1	1.89	.04	.0183	.0072	.0181	.0001	-.0002	-.0001	.0001
11155	.301	6067.8	3.98	.09	.0411	.0092	.0393	.0001	-.0000	.0002	.0005
11156	.300	6044.0	6.06	.14	.0663	.0129	.0624	.0001	-.0001	.0003	.0009
11157	.300	6038.1	8.03	.18	.0929	.0187	.0867	.0001	.0000	.0004	.0013
11158	.300	6044.1	9.87	.18	.1142	.0244	.1063	.0001	.0002	.0008	.0016
11159	.300	6039.9	11.83	.23	.1475	.0351	.1369	.0001	-.0000	.0003	.0021
11160	.300	6046.0	13.86	.26	.1792	.0477	.1664	.0001	-.0000	.0004	.0027
11161	.300	6045.8	15.83	.33	.2065	.0609	.1920	.0000	-.0003	-.0002	.0033
11162	.299	6000.2	17.86	.33	.2455	.0811	.2289	.0001	-.0001	.0001	.0045
11163	.300	6029.6	19.78	.37	.2722	.0980	.2554	-.0000	-.0003	-.0003	.0055
11164	.299	6007.3	21.93	.41	.3151	.1262	.2978	.0000	-.0002	-.0002	.0068
11165	.300	6055.6	23.78	.51	.3381	.1469	.3226	-.0002	-.0007	-.0011	.0075
11166	.300	6019.1	25.80	.57	.3773	.1793	.3640	-.0003	-.0007	-.0013	.0087
11167	.300	6024.2	27.82	.56	.3973	.2051	.3906	-.0003	-.0006	-.0013	.0087
11168	.300	6049.4	29.66	.51	.4247	.2363	.4264	-.0003	-.0005	-.0014	.0087
11169	.301	6067.8	31.67	.53	.4406	.2644	.4517	-.0004	-.0010	-.0026	.0083
11170	.299	6018.8	33.59	.62	.4621	.2979	.4868	-.0011	-.0021	-.0050	.0075
11171	.300	6040.6	35.58	.68	.4747	.3275	.5157	-.0014	-.0025	-.0058	.0074
11172	.300	6034.5	37.61	.72	.4826	.3571	.5403	-.0021	-.0031	-.0075	.0079
11173	.301	6059.4	39.78	.80	.4903	.3907	.5686	-.0025	-.0030	-.0076	.0081
11174	.299	6015.0	41.80	.85	.4932	.4196	.5910	-.0034	-.0038	-.0096	.0095
11175	.300	6040.8	-.44	-.01	-.0018	.0057	-.0026	.0001	.0000	-.0002	.0001

TEST TP	24 MACH	Q PA	RUN 26		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
11150	.300	6048.5	-4.42	-0.03	-0.0030	.0065	-.0041	.0001	.0005	.0012	.0001
11151	.300	6028.1	-3.94	-0.10	-0.0349	.0062	-.0344	.0001	.0005	.0012	.0002
11152	.300	6054.3	-1.98	-0.06	-0.0131	.0063	-.0142	.0001	.0003	.0006	.0001
11153	.301	6075.7	-.62	-0.03	-0.0011	.0068	-.0020	.0001	.0000	.0003	.0000
11154	.300	6046.1	1.89	.04	.0185	.0066	.0181	.0001	-.0002	-.0001	.0000
11155	.301	6067.8	3.98	.09	.0416	.0063	.0393	.0001	.0000	.0002	.0001
11156	.300	6044.0	6.06	.14	.0672	.0059	.0624	.0001	-.0001	.0003	.0002
11157	.300	6038.1	8.03	.18	.0946	.0055	.0867	.0001	.0000	.0004	.0003
11158	.300	6044.1	9.87	.18	.1167	.0044	.1063	.0001	.0002	.0008	.0004
11159	.300	6039.9	11.83	.23	.1515	.0041	.1369	.0001	-.0000	.0003	.0005
11160	.300	6046.0	13.86	.26	.1854	.0034	.1664	.0001	-.0000	.0004	.0006
11161	.300	6045.8	15.83	.33	.2153	.0023	.1920	.0001	-.0003	-.0002	.0008
11162	.299	6000.2	17.86	.33	.2585	.0019	.2289	.0001	-.0001	.0001	.0011
11163	.300	6029.6	19.78	.37	.2893	.0001	.2554	.0001	-.0003	-.0003	.0013
11164	.299	6007.3	21.93	.41	.3395	-.0006	.2978	.0001	-.0002	-.0002	.0017
11165	.300	6055.6	23.78	.51	.3686	-.0019	.3226	.0001	-.0007	-.0011	.0018
11166	.300	6019.1	25.80	.57	.4177	-.0028	.3640	.0001	-.0007	-.0013	.0021
11167	.300	6024.2	27.82	.56	.4471	-.0041	.3906	-.0000	-.0007	-.0013	.0021
11168	.300	6049.4	29.66	.51	.4860	-.0048	.4264	-.0000	-.0006	-.0014	.0021
11169	.301	6067.8	31.67	.53	.5138	-.0063	.4517	.0002	-.0011	-.0026	.0020
11170	.299	6018.8	33.59	.62	.5497	-.0076	.4868	.0003	-.0023	-.0050	.0018
11171	.300	6040.6	35.58	.68	.5766	-.0099	.5157	.0003	-.0029	-.0058	.0018
11172	.300	6034.5	37.61	.72	.6002	-.0116	.5403	.0003	-.0037	-.0075	.0019
11173	.301	6059.4	39.78	.80	.6268	-.0134	.5686	.0001	-.0039	-.0076	.0020
11174	.299	6015.0	41.80	.85	.6474	-.0159	.5910	.0000	-.0051	-.0096	.0024
11175	.300	6040.8	-.44	-.01	-.0018	.0057	-.0026	.0001	.0000	-.0002	.0000

## NASA LANGLEY

## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 35 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
11397	.700	25291.4	-4.44	-0.01	-.0012	.0103	-.0045	.0007	-.0020	.0036	.0065
11398	.699	25229.0	-4.00	-.03	-.0311	.0131	-.0334	.0007	-.0015	.0031	.0064
11399	.699	25221.4	-2.12	-.02	-.0095	.0110	-.0138	.0007	-.0017	.0037	.0064
11400	.700	25260.7	-.63	-.01	.0003	.0104	-.0034	.0006	-.0018	.0042	.0065
11401	.701	25323.9	1.81	.00	.0154	.0105	.0121	.0006	-.0018	.0047	.0065
11402	.699	25235.9	4.09	.01	.0420	.0129	.0355	.0005	-.0017	.0049	.0071
11403	.700	25243.8	5.92	-.04	.0593	.0156	.0500	.0005	-.0017	.0054	.0075
11404	.700	25266.9	7.96	-.01	.0875	.0217	.0735	.0005	-.0020	.0059	.0078
11405	.699	25232.7	9.92	-.01	.1110	.0286	.0941	.0003	-.0018	.0063	.0079
11406	.700	25257.8	11.76	-.03	.1334	.0366	.1140	.0002	-.0016	.0066	.0080
11407	.700	25249.5	13.85	-.02	.1617	.0482	.1388	.0001	-.0017	.0067	.0086
11408	.700	25253.3	15.80	-.19	.1838	.0594	.1587	-.0000	-.0015	.0075	.0092
11409	.700	25247.5	17.91	-.23	.2145	.0756	.1871	-.0001	-.0016	.0076	.0099
11410	.700	25250.9	19.86	-.21	.2465	.0944	.2174	-.0003	-.0023	.0077	.0107
11411	.701	25307.9	21.91	-.15	.2725	.1129	.2439	-.0006	-.0037	.0094	.0121
11412	.700	25239.7	23.70	-.10	.3008	.1340	.2730	-.0009	-.0031	.0095	.0129
11413	.698	25146.2	25.66	-.15	.3248	.1566	.2988	-.0008	-.0033	.0083	.0131
11414	.701	25311.1	-.46	-.01	.0010	.0104	-.0041	.0007	-.0019	.0073	.0065

TEST TP	24 MACH	Q PA	RUN 35 ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY
11397	.700	25291.4	-4.44	-0.01	-.0013	.0103	-.0045	.0007	-.0020	.0036
11398	.699	25229.0	-4.00	-.03	-.0319	.0109	-.0334	.0006	-.0015	.0031
11399	.699	25221.4	-2.12	-.02	-.0099	.0106	-.0138	.0006	-.0017	.0037
11400	.700	25260.7	-.63	-.01	.0001	.0104	-.0034	.0006	-.0018	.0042
11401	.701	25323.9	1.81	.00	.0157	.0100	.0121	.0006	-.0018	.0047
11402	.699	25235.9	4.09	.01	.0428	.0099	.0355	.0007	-.0017	.0049
11403	.700	25243.8	5.92	-.04	.0606	.0093	.0500	.0007	-.0016	.0054
11404	.700	25266.9	7.96	-.01	.0897	.0093	.0735	.0007	-.0019	.0059
11405	.699	25232.7	9.92	-.01	.1143	.0091	.0941	.0006	-.0017	.0063
11406	.700	25257.8	11.76	-.03	.1380	.0087	.1140	.0005	-.0016	.0066
11407	.700	25249.5	13.85	-.02	.1685	.0081	.1388	.0005	-.0016	.0067
11408	.700	25253.3	15.80	-.19	.1930	.0071	.1587	.0004	-.0015	.0075
11409	.700	25247.5	17.91	-.23	.2273	.0060	.1871	.0004	-.0015	.0076
11410	.700	25250.9	19.86	-.21	.2639	.0051	.2174	.0005	-.0022	.0077
11411	.701	25307.9	21.91	-.15	.2950	.0031	.2439	.0008	-.0037	.0094
11412	.700	25239.7	23.70	-.10	.3293	.0018	.2730	.0004	-.0032	.0095
11413	.698	25146.2	25.66	-.15	.3606	.0005	.2988	.0007	-.0033	.0083
11414	.701	25311.1	-.46	-.01	.0009	.0105	-.0041	.0007	-.0019	.0073

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 35 ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
11397	.700	25291.4	-4.44	-0.01	-.0023	.0057	-.0028	.0001	.0004	.0006	.0013
11398	.699	25229.0	-4.00	-.09	-.0304	.0076	-.0318	.0001	.0004	.0007	.0015
11399	.699	25221.4	-2.12	-.05	-.0106	.0063	-.0121	.0001	.0003	.0005	.0013
11400	.700	25260.7	-.63	-.02	-.0013	.0059	-.0018	.0001	.0004	.0006	.0013
11401	.701	25323.9	1.81	.03	.0125	.0062	.0136	.0002	.0003	.0005	.0013
11402	.699	25235.9	4.09	.06	.0366	.0085	.0375	.0003	.0003	.0005	.0013
11403	.700	25243.8	5.92	.04	.0518	.0108	.0528	.0003	.0003	.0007	.0015
11404	.700	25266.9	7.96	.10	.0762	.0158	.0773	.0003	.0003	.0007	.0019
11405	.699	25232.7	9.92	.12	.0969	.0215	.0985	.0003	.0002	.0007	.0022
11406	.700	25257.8	11.76	.13	.1166	.0284	.1192	.0003	.0002	.0008	.0024
11407	.700	25249.5	13.85	.16	.1408	.0382	.1452	.0004	.0000	.0006	.0026
11408	.700	25253.3	15.80	.01	.1596	.0477	.1660	.0004	.0001	.0006	.0029
11409	.700	25247.5	17.91	-.00	.1857	.0616	.1949	.0004	.0001	.0007	.0034
11410	.700	25250.9	19.86	.05	.2128	.0773	.2255	.0003	-.0001	.0005	.0039
11411	.701	25307.9	21.91	.13	.2351	.0938	.2521	.0003	-.0002	.0002	.0044
11412	.700	25239.7	23.70	.20	.2587	.1118	.2811	.0003	-.0001	.0004	.0049
11413	.698	25146.2	25.66	.17	.2782	.1308	.3070	.0002	-.0002	.0002	.0051
11414	.701	25311.1	-.46	-.02	-.0021	.0058	-.0027	.0001	.0005	.0010	.0013

TEST TP	24 MACH	Q PA	RUN 35 ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
11397	.700	25291.4	-4.44	-0.01	-.0023	.0057	-.0028	.0001	.0004	.0006	.0003
11398	.699	25229.0	-4.00	-.09	-.0308	.0054	-.0318	.0001	.0004	.0007	.0004
11399	.699	25221.4	-2.12	-.05	-.0108	.0059	-.0121	.0001	.0003	.0005	.0003
11400	.700	25260.7	-.63	-.02	-.0014	.0059	-.0018	.0001	.0004	.0006	.0003
11401	.701	25323.9	1.81	.03	.0127	.0058	.0136	.0002	.0003	.0005	.0003
11402	.699	25235.9	4.09	.06	.0371	.0058	.0375	.0002	.0003	.0005	.0003
11403	.700	25243.8	5.92	.04	.0526	.0054	.0528	.0003	.0003	.0007	.0004
11404	.700	25266.9	7.96	.10	.0777	.0051	.0773	.0003	.0003	.0007	.0005
11405	.699	25232.7	9.92	.12	.0992	.0045	.0985	.0003	.0003	.0007	.0006
11406	.700	25257.8	11.76	.13	.1199	.0040	.1192	.0003	.0003	.0008	.0006
11407	.700	25249.5	13.85	.16	.1459	.0033	.1452	.0003	.0001	.0006	.0006
11408	.700	25253.3	15.80	.01	.1665	.0025	.1660	.0003	.0002	.0006	.0007
11409	.700	25247.5	17.91	-.00	.1956	.0015	.1949	.0003	.0002	.0007	.0008
11410	.700	25250.9	19.86	.05	.2264	.0005	.2255	.0003	.0000	.0005	.0010
11411	.701	25307.9	21.91	.13	.2531	-.0007	.2521	.0003	-.0001	.0002	.0011
11412	.700	25239.7	23.70	.20	.2818	-.0016	.2811	.0003	-.0000	.0004	.0012
11413	.698	25146.2	25.66	.17	.3074	-.0026	.3070	.0003	-.0001	.0002	.0012
11414	.701	25311.1	-.46	-.02	-.0022	.0058	-.0027	.0001	.0005	.0010	.0003

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TEST TP	24 MACH	Q PA	RUN 36		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
11415	.501	15113.3	-4.5	-.01	.0013	.0107	-.0042	.0006	-.0015	.0099	.0063
11416	.500	15087.0	-3.97	.02	-.0288	.0133	-.0326	.0007	-.0012	.0097	.0062
11417	.501	15113.7	-1.87	-.00	-.0086	.0111	-.0146	.0007	-.0013	.0088	.0062
11418	.500	15078.5	-.62	-.01	.0020	.0112	-.0027	.0007	-.0015	.0088	.0063
11419	.501	15128.8	2.00	-.03	.0201	.0117	.0161	.0006	-.0012	.0078	.0064
11420	.500	15106.3	3.88	-.05	.0355	.0126	.0301	.0006	-.0012	.0080	.0067
11421	.500	15089.8	5.85	-.04	.0607	.0163	.0512	.0005	-.0013	.0070	.0072
11422	.500	15078.8	7.75	-.06	.0840	.0211	.0704	.0004	-.0013	.0064	.0076
11423	.500	15090.0	10.09	-.08	.1109	.0289	.0953	.0004	-.0015	.0073	.0078
11424	.501	15115.1	11.79	-.16	.1280	.0350	.1113	.0002	-.0013	.0071	.0080
11425	.500	15084.5	13.85	-.15	.1586	.0468	.1379	.0001	-.0013	.0065	.0087
11426	.501	15110.0	16.03	-.34	.1880	.0605	.1641	.0002	-.0013	.0079	.0095
11427	.500	15079.2	17.87	-.14	.2095	.0726	.1844	.0001	-.0013	.0057	.0103
11428	.500	15056.2	19.79	-.16	.2390	.0897	.2132	-.0001	-.0015	.0050	.0114
11429	.500	15095.2	21.74	-.43	.2619	.1063	.2362	-.0000	-.0023	.0070	.0121
11430	.499	15046.5	23.81	-.48	.2897	.1281	.2651	-.0006	-.0031	.0085	.0127
11431	.499	15036.5	25.81	-.62	.3223	.1542	.2986	-.0007	-.0023	.0072	.0132
11432	.499	15036.9	27.62	-.59	.3343	.1714	.3187	-.0006	-.0022	.0066	.0133
11433	.500	15068.7	29.79	-.75	.3606	.2007	.3464	-.0010	-.0028	.0086	.0138
11434	.500	15061.0	31.80	-.82	.3844	.2300	.3732	-.0010	-.0024	.0057	.0144
11435	.499	15017.4	33.70	-.88	.4059	.2603	.4059	-.0006	-.0007	.0033	.0147
11436	.500	15070.3	35.85	-.92	.4204	.2907	.4313	-.0023	-.0036	.0078	.0145
11437	.501	15099.3	37.78	-.84	.4428	.3268	.4647	-.0028	-.0037	.0028	.0151
11438	.498	14978.7	39.62	-.76	.4567	.3580	.4892	-.0048	-.0061	-.0001	.0156
11439	.501	15120.6	-.43	.01	-.0045	.0104	-.0036	.0006	-.0011	.0050	.0063

TEST TP	24 MACH	Q PA	RUN 36		CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
11415	.501	15113.3	-4.5	-.01	.0012	.0107	-.0042	.0006	-.0015	.0099
11416	.500	15087.0	-3.97	.02	-.0297	.0113	-.0326	.0006	-.0012	.0097
11417	.501	15113.7	-1.87	-.00	-.0090	.0108	-.0146	.0007	-.0013	.0088
11418	.500	15078.5	-.62	-.01	.0019	.0112	-.0027	.0007	-.0015	.0088
11419	.501	15128.8	2.00	-.03	.0205	.0110	.0161	.0006	-.0012	.0078
11420	.500	15106.3	3.88	-.05	.0362	.0101	.0301	.0006	-.0012	.0080
11421	.500	15089.8	5.85	-.04	.0620	.0100	.0512	.0006	-.0012	.0070
11422	.500	15078.8	7.75	-.06	.0860	.0096	.0704	.0006	-.0013	.0064
11423	.500	15090.0	10.09	-.08	.1142	.0090	.0953	.0006	-.0014	.0073
11424	.501	15115.1	11.79	-.16	.1325	.0082	.1113	.0005	-.0013	.0071
11425	.500	15084.5	13.85	-.15	.1652	.0075	.1379	.0004	-.0013	.0065
11426	.501	15110.0	16.03	-.34	.1974	.0062	.1641	.0005	-.0012	.0079
11427	.500	15079.2	17.87	-.14	.2217	.0048	.1844	.0004	-.0012	.0057
11428	.500	15056.2	19.79	-.16	.2552	.0035	.2132	.0004	-.0014	.0050
11429	.500	15095.2	21.74	-.43	.2826	.0018	.2362	.0008	-.0021	.0070
11430	.499	15046.5	23.81	-.48	.3167	.0003	.2651	.0007	-.0031	.0085
11431	.499	15036.5	25.81	-.62	.3573	-.0015	.2986	.0004	-.0023	.0072
11432	.499	15036.9	27.62	-.59	.3757	-.0031	.3187	.0005	-.0022	.0066
11433	.500	15068.7	29.79	-.75	.4127	-.0049	.3464	.0006	-.0029	.0086
11434	.500	15061.0	31.80	-.82	.4479	-.0071	.3732	.0005	-.0026	.0057
11435	.499	15017.4	33.70	-.88	.4821	-.0086	.4059	-.0001	-.0010	.0033
11436	.500	15070.3	35.85	-.92	.5110	-.0106	.4313	.0003	-.0043	.0078
11437	.501	15099.3	37.78	-.84	.5502	-.0130	.4647	.0003	-.0046	.0028
11438	.498	14978.7	39.62	-.76	.5801	-.0155	.4892	.0001	-.0078	-.0001
11439	.501	15120.6	-.43	.01	-.0046	.0104	-.0036	.0006	-.0011	.0050

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TEST TP	24 MACH	Q PA	RUN 36		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
11415	.501	15113.3	-4.45	-.02	-.0025	.0062	-.0032	.0001	.0008	.0014	.0010
11416	.500	15087.0	-3.97	-.03	-.0299	.0079	-.0315	.0000	.0011	.0018	.0012
11417	.501	15113.7	-1.87	-.03	-.0115	.0064	-.0132	.0001	.0009	.0015	.0010
11418	.500	15078.5	-.62	-.02	-.0010	.0064	-.0016	.0001	.0008	.0015	.0009
11419	.501	15128.8	2.00	.00	.0163	.0069	.0175	.0002	.0007	.0014	.0009
11420	.500	15106.3	3.88	.01	.0308	.0080	.0318	.0003	.0007	.0011	.0012
11421	.500	15089.8	5.85	.03	.0529	.0111	.0539	.0003	.0004	.0011	.0015
11422	.500	15078.8	7.75	.04	.0731	.0152	.0743	.0003	.0004	.0011	.0015
11423	.500	15090.0	10.09	.05	.0979	.0220	.0997	.0003	.0006	.0015	.0019
11424	.501	15115.1	11.79	-.01	.1134	.0276	.1160	.0004	.0005	.0011	.0020
11425	.500	15084.5	13.85	.03	.1397	.0378	.1440	.0004	.0003	.0011	.0023
11426	.501	15110.0	16.04	-.14	.1646	.0497	.1712	.0005	.0004	.0014	.0026
11427	.500	15079.2	17.87	.09	.1830	.0604	.1918	.0004	.0000	.0006	.0031
11428	.500	15036.2	19.79	.09	.2087	.0755	.2209	.0003	-.0001	.0004	.0035
11429	.500	15095.2	21.74	-.16	.2282	.0902	.2438	.0004	.0001	.0008	.0039
11430	.499	15046.5	23.81	-.18	.2525	.1093	.2727	.0004	-.0000	.0005	.0043
11431	.499	15036.5	25.81	-.29	.2800	.1317	.3063	.0003	-.0003	-.0001	.0031
11432	.499	15036.9	27.63	-.24	.2876	.1450	.3246	.0002	-.0003	-.0003	.0039
11433	.500	15068.7	29.80	-.38	.3046	.1680	.3523	.0002	-.0002	-.0002	.0040
11434	.500	15061.0	31.81	-.43	.3222	.1923	.3782	.0000	-.0005	-.0007	.0027
11435	.499	15017.4	33.71	-.46	.3410	.2192	.4090	-.0001	-.0004	-.0005	.0021
11436	.500	15070.3	35.85	-.48	.3525	.2449	.4335	-.0004	-.0010	-.0017	.0053
11437	.501	15099.3	37.78	-.38	.3710	.2724	.4667	-.0012	-.0022	-.0040	.0056
11438	.498	14978.7	39.63	-.28	.3818	.2973	.4924	-.0025	-.0040	-.0079	.0010
11439	.501	15120.6	-.43	.01	-.0026	.0059	-.0033	.0001	.0009	.0017	.0010

TEST TP	24 MACH	Q PA	RUN 36		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
11415	.501	15113.3	-4.45	-.02	-.0025	.0062	-.0032	.0001	.0008	.0014	.0003
11416	.500	15087.0	-3.97	-.03	-.0303	.0058	-.0315	.0001	.0011	.0018	.0003
11417	.501	15113.7	-1.87	-.03	-.0117	.0061	-.0132	.0001	.0009	.0015	.0003
11418	.500	15078.5	-.62	-.02	-.0010	.0064	-.0016	.0001	.0008	.0015	.0002
11419	.501	15128.8	2.00	.00	.0166	.0064	.0175	.0002	.0007	.0014	.0002
11420	.500	15106.3	3.88	.01	.0313	.0059	.0318	.0002	.0007	.0015	.0002
11421	.500	15089.8	5.85	.03	.0538	.0056	.0539	.0002	.0005	.0011	.0003
11422	.500	15078.8	7.75	.04	.0744	.0052	.0743	.0003	.0004	.0011	.0004
11423	.500	15090.0	10.09	.05	.1002	.0045	.0997	.0002	.0006	.0015	.0004
11424	.501	15115.1	11.79	-.01	.1166	.0039	.1160	.0002	.0006	.0015	.0005
11425	.500	15084.5	13.85	.03	.1447	.0033	.1440	.0003	.0004	.0011	.0005
11426	.501	15110.0	16.04	-.14	.1719	.0023	.1712	.0003	.0005	.0014	.0006
11427	.500	15079.2	17.87	.09	.1927	.0014	.1918	.0003	.0001	.0006	.0006
11428	.500	15056.2	19.79	.09	.2219	.0004	.2209	.0003	.0000	.0004	.0008
11429	.500	15095.2	21.74	-.16	.2454	-.0008	.2438	.0003	.0002	.0008	.0009
11430	.499	15046.5	23.81	-.18	.2751	-.0020	.2727	.0003	.0001	.0005	.0010
11431	.499	15036.5	25.81	-.29	.3094	-.0034	.3063	.0004	-.0001	-.0001	.0011
11432	.499	15036.9	27.63	-.24	.3220	-.0049	.3246	.0003	-.0002	-.0003	.0007
11433	.500	15068.7	29.80	-.38	.3476	-.0056	.3523	.0003	-.0001	-.0002	.0010
11434	.500	15061.0	31.81	-.43	.3751	-.0064	.3782	.0003	-.0004	-.0007	.0010
11435	.499	15017.4	33.71	-.46	.4023	-.0069	.4090	.0002	-.0004	-.0005	.0006
11436	.500	15070.3	35.85	-.48	.4292	-.0080	.4335	.0003	-.0010	-.0017	.0005
11437	.501	15099.3	37.78	-.38	.4601	-.0120	.4667	.0004	-.0025	-.0040	.0013
11438	.498	14978.7	39.63	-.28	.4836	-.0145	.4924	.0006	-.0047	-.0079	.0013
11439	.501	15120.6	-.43	.01	-.0027	.0059	-.0033	.0001	.0009	.0017	.0003

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## 7 X 10 HIGH SPEED TUNNEL

TEST 24		RUN 37									
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
11440	.301	6071.5	-4.43	.01	-.0084	.0104	-.0017	.0006	-.0000	.0064	.0060
11441	.301	6077.5	-4.04	.10	-.0386	.0140	-.0308	.0006	.0002	.0050	.0061
11442	.301	6071.2	-1.99	.09	-.0164	.0123	-.0113	.0006	-.0000	.0046	.0060
11443	.301	6075.6	-.64	.02	-.0071	.0120	-.0007	.0006	.0001	.0040	.0060
11444	.301	6078.0	2.02	-.09	.0090	.0105	.0156	.0006	.0003	.0040	.0062
11445	.301	6083.3	4.00	-.09	.0308	.0131	.0356	.0007	.0001	.0025	.0067
11446	.300	6061.8	5.98	-.15	.0499	.0148	.0508	.0005	.0001	.0029	.0068
11447	.301	6078.1	7.89	-.21	.0759	.0206	.0732	.0007	-.0000	.0032	.0073
11448	.300	6063.9	10.03	-.28	.0987	.0257	.0925	.0007	-.0001	.0029	.0078
11449	.300	6065.3	11.96	-.31	.1252	.0350	.1171	.0006	-.0001	.0026	.0084
11450	.300	6061.5	13.98	-.40	.1476	.0431	.1370	.0007	.0001	.0024	.0086
11451	.300	6054.4	15.92	-.38	.1767	.0563	.1637	.0004	-.0002	.0007	.0097
11452	.301	6087.5	17.85	-.43	.1997	.0678	.1842	.0004	.0000	.0001	.0106
11453	.301	6080.3	19.84	-.46	.2317	.0858	.2145	.0004	.0002	-.0008	.0116
11454	.300	6065.1	21.86	-.50	.2585	.1042	.2413	.0003	-.0003	-.0006	.0122
11455	.300	6061.2	23.82	-.57	.2797	.1208	.2650	.0003	-.0007	.0005	.0129
11456	.300	6035.1	25.80	-.60	.3084	.1445	.2979	-.0002	-.0015	.0015	.0138
11457	.300	6056.6	27.75	-.71	.3206	.1617	.3195	-.0000	-.0005	.0029	.0141
11458	.300	6038.3	29.74	-.78	.3411	.1860	.3429	-.0000	-.0016	.0019	.0148
11459	.301	6089.2	31.75	-.82	.3678	.2163	.3715	.0002	-.0011	-.0023	.0154
11460	.299	6028.0	33.78	-.89	.3838	.2418	.3925	-.0002	-.0003	-.0041	.0157
11461	.301	6082.2	35.62	-.91	.3996	.2693	.4167	-.0015	-.0015	-.0029	.0160
11462	.300	6055.6	37.81	-1.05	.4145	.2997	.4413	-.0025	-.0026	-.0002	.0161
11463	.301	6073.5	39.81	-.89	.4361	.3383	.4713	-.0035	-.0041	.0024	.0165
11464	.300	6042.7	-.45	.02	-.0136	.0112	-.0017	.0005	.0005	-.0025	.0060

TEST 24		RUN 37									
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY	
11440	.301	6071.5	-4.43	.01	-.0084	.0103	-.0017	.0006	-.0000	.0064	
11441	.301	6077.5	-4.04	.10	-.0395	.0112	-.0308	.0006	.0001	.0050	
11442	.301	6071.2	-1.99	.09	-.0169	.0117	-.0113	.0006	-.0000	.0046	
11443	.301	6075.6	-.64	.02	-.0073	.0119	-.0007	.0006	.0001	.0040	
11444	.301	6078.0	2.02	-.09	.0093	.0102	.0156	.0006	.0003	.0040	
11445	.301	6083.3	4.00	-.09	.0316	.0109	.0356	.0007	.0002	.0025	
11446	.300	6061.8	5.98	-.15	.0512	.0095	.0508	.0005	.0002	.0029	
11447	.301	6078.1	7.89	-.21	.0780	.0100	.0732	.0007	.0001	.0032	
11448	.300	6063.9	10.03	-.28	.1016	.0081	.0925	.0008	.0000	.0029	
11449	.300	6065.3	11.96	-.31	.1298	.0083	.1171	.0007	.0000	.0026	
11450	.300	6061.5	13.98	-.40	.1536	.0062	.1370	.0007	.0002	.0024	
11451	.300	6054.4	15.92	-.38	.1853	.0057	.1637	.0004	-.0001	.0007	
11452	.301	6087.5	17.85	-.43	.2108	.0034	.1842	.0003	.0001	.0001	
11453	.301	6080.3	19.84	-.46	.2471	.0021	.2145	.0003	.0003	-.0008	
11454	.300	6065.1	21.86	-.50	.2787	.0005	.2413	.0004	-.0002	-.0006	
11455	.300	6061.2	23.82	-.57	.3047	-.0024	.2650	.0005	-.0005	.0005	
11456	.300	6035.1	25.80	-.60	.3405	-.0041	.2979	.0004	-.0014	.0015	
11457	.300	6056.6	27.75	-.71	.3590	-.0061	.3195	.0002	-.0005	.0029	
11458	.300	6038.3	29.74	-.78	.3885	-.0077	.3429	.0008	-.0014	.0019	
11459	.301	6089.2	31.75	-.82	.4266	-.0096	.3715	.0008	-.0009	-.0023	
11460	.299	6028.0	33.78	-.89	.4535	-.0124	.3925	-.0000	-.0004	-.0041	
11461	.301	6082.2	35.62	-.91	.4817	-.0138	.4167	-.0004	-.0021	-.0029	
11462	.300	6055.6	37.81	-1.05	.5112	-.0174	.4413	-.0004	-.0036	-.0002	
11463	.301	6073.5	39.81	-.89	.5516	-.0194	.4713	-.0000	-.0054	.0024	
11464	.300	6042.7	-.45	.02	-.0137	.0111	-.0017	.0005	.0005	-.0025	

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 37		CL2	CO2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
11440	.301	6071.5	-4.43	.01	-.0021	.0064	-.0030	.0001	.0016	.0032	.0008
11441	.301	6077.5	-4.04	.05	-.0302	.0082	-.0321	-.0000	.0017	.0031	.0010
11442	.301	6071.2	-1.99	.03	-.0099	.0071	-.0119	.0000	.0017	.0031	.0008
11443	.301	6075.6	-.64	.01	-.0009	.0068	-.0016	.0001	.0016	.0030	.0008
11444	.301	6078.0	2.02	-.03	.0140	.0068	.0149	.0002	.0016	.0031	.0008
11445	.301	6083.3	4.00	-.04	.0342	.0087	.0350	.0003	.0013	.0025	.0008
11446	.300	6061.8	5.98	-.08	.0506	.0108	.0514	.0004	.0016	.0031	.0010
11447	.301	6078.1	7.89	-.11	.0739	.0158	.0751	.0005	.0017	.0034	.0013
11448	.300	6063.9	10.03	-.15	.0933	.0210	.0950	.0005	.0015	.0033	.0015
11449	.300	6065.3	11.97	-.16	.1176	.0292	.1206	.0005	.0014	.0031	.0016
11450	.300	6061.5	13.99	-.22	.1365	.0372	.1408	.0006	.0014	.0032	.0016
11451	.300	6054.4	15.93	-.18	.1622	.0490	.1687	.0007	.0011	.0027	.0019
11452	.301	6087.5	17.85	-.20	.1817	.0597	.1900	.0007	.0010	.0024	.0022
11453	.301	6080.3	19.85	-.21	.2088	.0755	.2203	.0006	.0007	.0019	.0026
11454	.300	6065.1	21.87	-.22	.2322	.0920	.2476	.0007	.0007	.0020	.0030
11455	.300	6061.2	23.83	-.27	.2511	.1081	.2703	.0008	.0008	.0022	.0033
11456	.300	6035.1	25.80	-.28	.2768	.1300	.3017	.0008	.0007	.0020	.0036
11457	.300	6056.6	27.75	-.36	.2848	.1438	.3208	.0009	.0010	.0026	.0027
11458	.300	6038.3	29.75	-.41	.2984	.1638	.3438	.0008	.0007	.0019	.0036
11459	.301	6089.2	31.76	-.43	.3177	.1893	.3720	.0007	.0004	.0013	.0032
11460	.299	6028.0	33.79	-.47	.3292	.2115	.3924	.0004	.0002	.0008	.0026
11461	.301	6082.2	35.63	-.47	.3416	.2347	.4159	.0001	-.0004	-.0005	.0023
11462	.300	6055.6	37.82	-.59	.3536	.2604	.4397	-.0000	-.0006	-.0007	.0037
11463	.301	6073.5	39.82	-.41	.3705	.2893	.4708	-.0004	-.0009	-.0014	.0068
11464	.300	6042.7	-.45	.02	-.0027	.0061	-.0033	.0001	.0015	.0028	.0008

TEST TP	24 MACH	Q PA	RUN 37		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
11440	.301	6071.5	-4.43	.01	-.0022	.0064	-.0030	.0001	.0016	.0032	.0003
11441	.301	6077.5	-4.04	.05	-.0307	.0060	-.0321	.0001	.0017	.0031	.0003
11442	.301	6071.2	-1.99	.03	-.0102	.0067	-.0119	.0001	.0017	.0031	.0003
11443	.301	6075.6	-.64	.01	-.0009	.0068	-.0016	.0001	.0016	.0030	.0003
11444	.301	6078.0	2.02	-.03	.0142	.0063	.0149	.0002	.0016	.0031	.0003
11445	.301	6083.3	4.00	-.04	.0347	.0063	.0350	.0002	.0013	.0025	.0003
11446	.300	6061.8	5.98	-.08	.0514	.0055	.0514	.0002	.0016	.0031	.0003
11447	.301	6078.1	7.89	-.11	.0754	.0056	.0751	.0002	.0017	.0034	.0004
11448	.300	6063.9	10.03	-.15	.0955	.0044	.0950	.0002	.0016	.0033	.0004
11449	.300	6065.3	11.97	-.16	.1211	.0042	.1206	.0002	.0015	.0031	.0004
11450	.300	6061.5	13.99	-.22	.1415	.0031	.1408	.0003	.0015	.0032	.0005
11451	.300	6054.4	15.93	-.18	.1694	.0026	.1687	.0003	.0013	.0027	.0005
11452	.301	6087.5	17.85	-.20	.1912	.0012	.1900	.0003	.0011	.0024	.0006
11453	.301	6080.3	19.85	-.21	.2220	.0001	.2203	.0004	.0008	.0019	.0007
11454	.300	6065.1	21.87	-.22	.2498	-.0011	.2476	.0004	.0009	.0020	.0008
11455	.300	6061.2	23.83	-.27	.2733	-.0026	.2703	.0004	.0010	.0022	.0008
11456	.300	6035.1	25.80	-.28	.3058	-.0034	.3017	.0004	.0010	.0020	.0009
11457	.300	6056.6	27.75	-.36	.3190	-.0034	.3208	.0004	.0013	.0026	.0007
11458	.300	6038.3	29.75	-.41	.3404	-.0058	.3438	.0004	.0010	.0019	.0009
11459	.301	6089.2	31.76	-.43	.3698	-.0063	.3720	.0003	.0007	.0013	.0008
11460	.299	6028.0	33.79	-.47	.3912	-.0072	.3924	.0002	.0004	.0008	.0006
11461	.301	6082.2	35.63	-.47	.4144	-.0082	.4159	.0003	-.0003	-.0005	.0006
11462	.300	6055.6	37.82	-.59	.4390	-.0112	.4397	.0003	-.0005	-.0007	.0009
11463	.301	6073.5	39.82	-.41	.4698	-.0151	.4708	.0003	-.0010	-.0014	.0017
11464	.300	6042.7	-.45	.02	-.0027	.0060	-.0033	.0001	.0015	.0028	.0003

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7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 38 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
11479	.700	25109.5	-4.46	-.01	-.0139	.0152	.0046	.0005	-.0023	.0064	.0059
11480	.699	25065.0	-3.99	-.04	-.1930	.0257	.0849	.0006	-.0026	.0093	.0058
11481	.699	25090.9	-2.00	-.03	-.0846	.0173	.0359	.0003	-.0022	.0089	.0060
11482	.700	25116.8	-.63	-.02	-.0057	.0156	.0015	.0004	-.0022	.0081	.0059
11483	.701	25186.1	1.95	-.01	.1141	.0181	-.0509	.0004	-.0019	.0070	.0060
11484	.701	25163.6	3.98	.00	.2200	.0267	-.0996	.0009	-.0017	.0056	.0062
11485	.700	25123.4	5.96	.01	.3554	.0468	-.1598	.0004	-.0014	.0046	.0067
11486	.700	25112.9	7.87	.01	.4836	.0752	-.2199	.0007	-.0008	.0021	.0072
11487	.699	25081.5	9.86	.01	.6135	.1148	-.2734	.0008	-.0010	.0014	.0075
11488	.700	25122.1	11.93	.03	.7498	.1662	-.3346	-.0011	-.0001	-.0003	.0079
1149C	.700	25120.4	13.78	.06	.8669	.2189	-.3875	-.0005	-.0000	-.0019	.0082
11491	.701	25157.0	15.78	.04	.9848	.2825	-.4360	-.0008	.0004	-.0033	.0081
11492	.699	25097.8	17.92	.08	1.0956	.3567	-.4750	.0006	.0003	-.0053	.0080
11493	.700	25130.9	19.75	.08	1.1798	.4251	-.5022	.0019	.0017	-.0096	.0086
11494	.699	25096.2	22.01	.24	1.2454	.5036	-.5033	.0017	.0014	-.0097	.0101
11495	.700	25125.7	-.45	-.03	-.0093	.0156	.0035	.0004	-.0021	.0080	.0059

TEST TP	24 MACH	Q PA	RUN 38 ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY
11479	.700	25109.5	-4.46	-.01	-.0140	.0151	.0046	.0004	-.0023	.0064
11480	.699	25065.0	-3.99	-.04	-.1943	.0122	.0849	.0004	-.0027	.0093
11481	.699	25090.9	-2.00	-.03	-.0852	.0143	.0359	.0002	-.0023	.0089
11482	.700	25116.8	-.63	-.02	-.0059	.0155	.0015	.0004	-.0022	.0081
11483	.701	25186.1	1.95	-.01	.1147	.0142	-.0509	.0005	-.0019	.0070
11484	.701	25163.6	3.98	.00	.2213	.0114	-.0996	.0011	-.0016	.0056
11485	.700	25123.4	5.96	.01	.3583	.0097	-.1598	.0005	-.0014	.0046
11486	.700	25112.9	7.87	.01	.4893	.0083	-.2199	.0008	-.0007	.0021
11487	.699	25081.5	9.86	.01	.6241	.0080	-.2734	.0010	-.0008	.0014
11488	.700	25122.1	11.93	.03	.7680	.0075	-.3346	-.0011	-.0004	-.0003
11490	.700	25120.4	13.78	.06	.8941	.0060	-.3875	-.0005	-.0002	-.0019
11491	.701	25157.0	15.78	.04	1.0245	.0041	-.4360	-.0009	.0002	-.0033
11492	.699	25097.8	17.92	.08	1.1522	.0023	-.4750	.0005	.0005	-.0053
11493	.700	25130.9	19.75	.08	1.2540	.0014	-.5022	.0012	.0022	-.0096
11494	.699	25096.2	22.01	.24	1.3434	.0001	-.5033	.0011	.0019	-.0097
1.495	.700	25125.7	-.45	-.03	-.0095	.0155	.0035	.0004	-.0021	.0080

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TEST TP	24 MACH	Q PA	RUN 38 ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
11479	.700	25109.5	-4.46	-.02	-.0013	.0045	-.0021	-.0000	.0002	-.0002	-.0002
11480	.699	25065.0	-3.99	-.10	-.0158	.0056	-.0208	-.0000	.0002	-.0001	-.0000
11481	.699	25090.9	-2.00	-.05	-.0069	.0046	-.0097	-.0000	.0003	-.0000	-.0000
11482	.700	25116.8	-.63	-.03	-.0008	.0047	-.0015	-.0000	.0003	-.0001	-.0002
11483	.701	25186.1	1.95	.02	.0086	.0049	.0111	.0000	.0002	-.0002	-.0001
11484	.701	25163.6	3.97	.05	.0172	.0056	.0218	.0000	.0001	-.0003	.0001
11485	.700	25123.4	5.96	.08	.0289	.0075	.0357	.0000	.0001	-.0003	.0003
11486	.700	25112.9	7.87	.11	.0398	.0098	.0481	.0000	-.0001	-.0006	.0005
11487	.699	25081.5	9.86	.14	.0524	.0134	.0623	.0001	-.0001	-.0008	.0004
11488	.700	25122.1	11.93	.18	.0658	.0183	.0772	.0000	-.0003	-.0014	-.0000
11490	.700	25120.4	13.78	.24	.0783	.0230	.0910	-.0001	-.0005	-.0018	.0002
11491	.701	25157.0	15.78	.24	.0924	.0293	.1072	-.0001	-.0006	-.0020	.0006
11492	.699	25097.8	17.92	.31	.1085	.0372	.1257	-.0001	-.0005	-.0018	.0014
11493	.700	25130.9	19.75	.33	.1224	.0452	.1423	-.0002	-.0006	-.0015	.0021
11494	.699	25096.2	22.01	.52	.1403	.0568	.1637	-.0001	-.0005	-.0011	.0026
11495	.700	25125.7	-.45	-.03	-.0006	.0043	-.0014	-.0000	.0002	-.0000	-.0001

TEST TP	24 MACH	Q PA	RUN 38 ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
11479	.700	25109.5	-4.46	-.02	-.0013	.0044	-.0021	.0000	.0002	-.0002	-.0001
11480	.699	25065.0	-3.99	-.10	-.0162	.0045	-.0208	.0000	.0002	-.0001	-.0000
11481	.699	25090.9	-2.00	-.05	-.0071	.0044	-.0097	.0000	.0003	-.0000	-.0000
11482	.700	25116.8	-.63	-.03	-.0008	.0046	-.0015	.0000	.0003	-.0001	-.0001
11483	.701	25186.1	1.95	.02	.0087	.0046	.0111	.0000	.0002	-.0002	-.0000
11484	.701	25163.6	3.97	.05	.0176	.0044	.0218	.0000	.0001	-.0003	.0000
11485	.700	25123.4	5.96	.08	.0295	.0044	.0357	.0000	.0001	-.0003	.0001
11486	.700	25112.9	7.87	.11	.0407	.0042	.0481	.0001	-.0001	-.0006	.0001
11487	.699	25081.5	9.86	.14	.0539	.0042	.0623	.0001	-.0001	-.0008	.0001
11488	.700	25122.1	11.93	.18	.0688	.0042	.0772	.0001	-.0003	-.0014	-.0000
11490	.700	25120.4	13.78	.24	.0815	.0037	.0910	.0001	-.0005	-.0018	.0000
11491	.701	25157.0	15.78	.24	.0969	.0030	.1072	.0000	-.0006	-.0020	.0002
11492	.699	25097.8	17.92	.31	.1147	.0020	.1257	.0000	-.0006	-.0018	.0004
11493	.700	25130.9	19.75	.33	.1305	.0012	.1423	.0000	-.0007	-.0015	.0005
11494	.699	25096.2	22.01	.52	.1513	.0001	.1637	.0001	-.0006	-.0011	.0006
11495	.700	25125.7	-.45	-.03	-.0006	.0043	-.0014	-.0000	.0002	-.0000	-.0000

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TEST TP	24 MACH	Q PA	RUN 39 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
11497	.500	14996.0	-4.45	-0.02	-.0117	.0160	.0044	-.0001	-.0017	.0098	.0058
11498	.500	15019.6	-4.08	-0.03	-.1903	.0266	.0817	.0002	-.0021	.0119	.0058
11499	.501	15029.8	-1.99	-0.02	-.0791	.0182	.0324	.0000	-.0018	.0092	.0058
11500	.501	15038.9	-.63	-0.02	-.0031	.0165	.0005	.0003	-.0017	.0084	.0057
11501	.501	15026.6	1.98	-0.01	.1158	.0193	-.0500	.0003	-.0014	.0062	.0057
11502	.500	15023.8	4.08	.00	.2301	.0287	-.1010	.0003	-.0013	.0045	.0059
11503	.500	14993.8	5.97	.01	.3453	.0466	-.1500	.0005	-.0012	.0035	.0064
11504	.499	14953.7	8.14	.02	.4822	.0777	-.2102	.0001	-.0005	.0003	.0068
11505	.498	14917.3	10.13	.03	.6084	.1164	-.2579	-.0011	-.0006	-.0007	.0070
11506	.500	14980.6	11.81	.04	.7205	.1566	-.3056	.0004	-.0002	-.0023	.0073
11507	.500	14999.5	13.88	.05	.8449	.2119	-.3491	.0005	.0003	-.0051	.0073
11508	.499	14939.4	15.95	.11	.9612	.2750	-.3867	.0013	.0003	-.0076	.0071
11509	.499	14945.7	17.86	.12	1.0702	.3423	-.4234	.0012	.0003	-.0085	.0068
11510	.502	15091.1	19.87	.15	1.1807	.4217	-.4656	.0008	.0001	-.0100	.0066
11511	.499	14953.1	21.89	.08	1.1797	.4696	-.4289	-.0176	.0171	-.0181	.0074
11512	.500	15002.4	23.72	.07	1.2297	.5364	-.4485	-.0201	.0273	-.0301	.0077
11513	.500	15003.9	25.74	.25	1.1523	.5529	-.3707	.0015	.0004	-.0131	.0094
11514	.499	14940.4	27.65	.21	1.1833	.6169	-.3752	.0014	.0044	-.0120	.0106
11515	.501	15063.3	-.46	-.01	-.0141	.0159	.0046	.0004	-.0018	.0044	.0057

TEST TP	24 MACH	Q PA	RUN 39 ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY
11497	.500	14996.0	-4.45	-0.02	-.0118	.0159	.0044	-.0001	-.0017	.0098
11498	.500	15019.6	-4.08	-0.03	-.1917	.0130	.0817	.0000	-.0022	.0119
11499	.501	15029.8	-1.99	-0.02	-.0797	.0154	.0324	-.0000	-.0018	.0092
11500	.501	15038.9	-.63	-0.02	-.0033	.0165	.0005	.0003	-.0017	.0084
11501	.501	15026.6	1.98	-0.01	.1164	.0153	-.0500	.0004	-.0013	.0062
11502	.500	15023.8	4.08	.00	.2316	.0122	-.1010	.0004	-.0013	.0045
11503	.500	14993.8	5.97	.01	.3483	.0104	-.1500	.0006	-.0011	.0035
11504	.499	14953.7	8.14	.02	.4883	.0086	-.2102	.0002	-.0005	.0003
11505	.498	14917.3	10.13	.03	.6194	.0076	-.2579	-.0010	-.0007	-.0007
11506	.500	14980.6	11.81	.04	.7373	.0058	-.3056	.0004	-.0002	-.0023
11507	.500	14999.5	13.88	.05	.8711	.0030	-.3491	.0004	.0004	-.0051
11508	.499	14939.4	15.95	.11	.9998	.0003	-.3867	.0012	.0007	-.0076
11509	.499	14945.7	17.86	.12	1.1236	-.0023	-.4234	.0011	.0007	-.0085
11510	.502	15091.1	19.87	.15	1.2537	-.0047	-.4656	.0008	.0004	-.0100
11511	.499	14953.1	21.89	.08	1.2697	-.0041	-.4289	-.0227	.0023	-.0181
11512	.500	15002.4	23.72	.07	1.3416	-.0037	-.4485	-.0293	.0159	-.0301
11513	.500	15003.9	25.74	.25	1.2781	-.0025	-.3707	.0012	.0010	-.0131
11514	.499	14940.4	27.65	.21	1.3344	-.0027	-.3752	-.0008	.0045	-.0120
11515	.501	15063.3	-.46	-.01	-.0142	.0157	.0046	.0004	-.0018	.0044

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 39 ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
11497	.500	14996.0	-4.45	-0.02	-.0005	.0043	-.0014	-.0000	.0036	.0007	-.0001
11498	.500	15019.6	-4.07	-0.08	-.0159	.0053	-.0207	-.0000	.0057	.0008	.0002
11499	.501	15029.8	-1.99	-0.05	-.0060	.0046	-.0086	-.0000	.0004	.0005	-.0001
11500	.501	15038.9	-.62	-0.02	.0004	.0045	-.0002	-.0000	.0005	.0005	-.0002
11501	.501	15026.6	1.98	.02	.0104	.0049	.0130	.0000	.0003	.0003	-.0002
11502	.500	15023.8	4.07	.06	.0205	.0059	.0251	.0000	.0002	.0001	-.0000
11503	.500	14993.8	5.97	.09	.0313	.0077	.0376	.0001	.0002	.0001	.0001
11504	.499	14953.7	8.14	.13	.0440	.0108	.0518	.0001	-.0001	-.0006	.0002
11505	.498	14917.3	10.13	.16	.0575	.0148	.0663	.0001	-.0002	-.0008	.0002
11506	.500	14980.6	11.81	.19	.0691	.0187	.0787	.0000	-.0003	-.0012	.0004
11507	.500	14999.5	13.88	.22	.0842	.0250	.0951	-.0001	-.0005	-.0017	.0003
11508	.499	14939.4	15.95	.31	.0998	.0318	.1120	-.0001	-.0007	-.0024	.0008
11509	.499	14945.7	17.86	.34	.1145	.0394	.1284	-.0002	-.0007	-.0025	.0017
11510	.502	15091.1	19.87	.40	.1295	.0481	.1454	-.0003	-.0008	-.0023	.0032
11511	.499	14953.1	21.89	.36	.1449	.0583	.1637	-.0001	-.0004	-.0009	.0041
11512	.500	15002.4	23.72	.37	.1571	.0681	.1788	-.0001	-.0004	-.0009	.0046
11513	.500	15003.9	25.74	.57	.1699	.0797	.1955	-.0003	-.0008	-.0015	.0045
11514	.499	14940.4	27.65	.56	.1843	.0932	.2135	.0001	.0000	.0006	.0045
11515	.501	15063.3	-.46	-.01	-.0007	.0043	-.0015	-.0000	.0004	.0002	-.0002

TEST TP	24 MACH	Q PA	RUN 39 ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
11497	.500	14996.0	-4.45	-0.02	-.0005	.0043	-.0014	.0000	.0006	.0007	-.0000
11498	.500	15019.6	-4.07	-0.08	-.0162	.0041	-.0207	.0000	.0007	.0008	.0001
11499	.501	15029.8	-1.99	-0.05	-.0061	.0043	-.0086	.0000	.0004	.0005	.0000
11500	.501	15038.9	-.62	-0.02	.0003	.0045	-.0002	.0000	.0005	.0005	-.0000
11501	.501	15026.6	1.98	.02	.0106	.0045	.0130	.0000	.0003	.0003	-.0000
11502	.500	15023.8	4.07	.06	.0209	.0045	.0251	.0000	.0002	.0001	.0000
11503	.500	14993.8	5.97	.09	.0320	.0044	.0376	.0000	.0002	.0001	.0001
11504	.499	14953.7	8.14	.13	.0451	.0044	.0518	.0001	-.0001	-.0006	.0000
11505	.498	14917.3	10.13	.16	.0592	.0044	.0663	.0001	-.0001	-.0008	.0000
11506	.500	14980.6	11.81	.19	.0715	.0042	.0787	.0001	-.0003	-.0012	.0000
11507	.500	14999.5	13.88	.22	.0878	.0041	.0951	.0001	-.0003	-.0017	.0001
11508	.499	14939.4	15.95	.31	.1047	.0032	.1120	.0001	-.0008	-.0024	.0003
11509	.499	14945.7	17.86	.34	.1211	.0024	.1284	.0001	-.0008	-.0025	.0005
11510	.502	15091.1	19.87	.40	.1381	.0013	.1454	.0000	-.0008	-.0023	.0008
11511	.499	14953.1	21.89	.36	.1562	.0001	.1637	.0000	-.0004	-.0009	.0010
11512	.500	15002.4	23.72	.37	.1712	-.0008	.1788	.0001	-.0004	-.0009	.0011
11513	.500	15003.9	25.74	.57	.1877	-.0020	.1955	.0001	-.0008	-.0015	.0011
11514	.499	14940.4	27.65	.56	.2065	-.0030	.2135	.0001	.0001	.0006	.0011
11515	.501	15063.3	-.46	-.01	-.0008	.0043	-.0015	.0000	.0004	.0002	-.0000



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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 40		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
11529	.300	5991.4	-4.1	-0.00	-.0137	.0164	.0043	.0001	-.0018	.0020	.0056
11530	.301	6043.1	-3.94	-.02	-.1824	.0265	.0756	.0003	-.0024	.0046	.0057
11531	.300	5991.3	-1.94	-.01	-.0690	.0197	.0267	.0001	-.0022	.0034	.0056
11532	.300	5991.4	-.62	-.00	-.0065	.0179	.0011	.0000	-.0020	.0026	.0055
11533	.300	6000.5	1.89	.01	.1073	.0202	-.0461	.0001	-.0019	.0015	.0056
11534	.300	6000.6	3.82	.02	.2090	.0279	-.0905	.0009	-.0018	.0009	.0058
11535	.300	5992.2	5.99	.03	.3343	.0467	-.1429	.0001	-.0013	-.0009	.0062
11536	.300	6012.9	7.99	.03	.4419	.0706	-.1902	.0003	-.0013	-.0004	.0065
11537	.300	5986.7	9.95	-.00	.5794	.1096	-.2401	-.0008	-.0009	-.0010	.0067
11538	.300	6010.7	11.71	.04	.6888	.1481	-.2840	.0010	-.0009	-.0035	.0070
11539	.300	6007.7	13.79	.06	.8156	.2034	-.3255	.0008	-.0006	-.0056	.0070
11540	.300	5994.3	15.91	.07	.9392	.2678	-.3642	.0010	-.0007	-.0073	.0068
11541	.300	5996.7	17.85	.06	1.0265	.3265	-.3928	.0008	-.0005	-.0083	.0067
11542	.300	6016.1	19.75	.06	1.1400	.4021	-.4236	.0001	.0006	-.0107	.0070
11543	.301	6023.2	21.91	.10	1.1068	.4359	-.3597	-.0002	.0004	-.0098	.0077
11544	.301	6017.1	23.61	.10	1.1421	.4910	-.3738	.0004	.0003	-.0104	.0079
11545	.300	6011.3	25.89	.10	1.2013	.5769	-.3988	.0016	-.0003	-.0102	.0083
11546	.301	6017.9	27.62	.08	1.2254	.6340	-.4085	.0019	.0015	-.0101	.0087
11547	.300	6000.9	29.87	.11	1.2053	.6889	-.3908	.0015	.0031	-.0134	.0105
11548	.300	5987.3	31.74	.13	1.2160	.7470	-.3921	.0022	-.0024	-.0105	.0111
11549	.301	6019.2	33.66	.22	1.2324	.8113	-.3964	.0013	.0002	-.0147	.0114
11550	.300	5988.7	35.80	.23	1.2518	.8915	-.3963	.0010	.0023	-.0207	.0125
11551	.300	5996.4	37.51	.23	1.2631	.9546	-.4000	.0020	.0028	-.0221	.0132
11552	.304	6150.2	39.60	.24	1.2710	1.0313	-.4003	.0016	.0023	-.0246	.0147
11553	.300	5997.3	41.72	.31	1.2586	1.0972	-.3905	-.0004	-.0000	-.0286	.0165
11554	.301	6019.8	-.40	-.00	-.0108	.0179	.0052	.0001	-.0021	.0060	.0056

TEST TP	24 MACH	Q PA	RUN 40		CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
11529	.300	5991.4	-4.1	-0.00	-.0138	.0163	.0043	.0001	-.0019	.0020
11530	.301	6043.1	-3.94	-.02	-.1838	.0139	.0756	.0001	-.0024	.0046
11531	.300	5991.3	-1.94	-.01	-.0696	.0173	.0267	.0000	-.0022	.0034
11532	.300	5991.4	-.62	-.00	-.0067	.0179	.0011	.0000	-.0020	.0026
11533	.300	6000.5	1.89	.01	.1080	.0166	-.0461	.0002	-.0019	.0015
11534	.300	6000.6	3.82	.02	.2104	.0139	-.0905	.0010	-.0017	.0009
11535	.300	5992.2	5.99	.03	.3374	.0116	-.1429	.0003	-.0013	-.0009
11536	.300	6012.9	7.99	.03	.4474	.0085	-.1902	.0005	-.0012	-.0004
11537	.300	5986.7	9.95	-.00	.5897	.0079	-.2401	-.0006	-.0011	-.0010
11538	.300	6010.7	11.71	.04	.7045	.0052	-.2840	.0012	-.0007	-.0035
11539	.300	6007.7	13.79	.06	.8406	.0031	-.3255	.0009	-.0004	-.0056
11540	.300	5994.3	15.91	.07	.9766	.0001	-.3642	.0011	-.0004	-.0073
11541	.300	5996.7	17.85	.06	1.0772	-.0038	-.3928	.0009	-.0002	-.0083
11542	.300	6016.1	19.75	.06	1.2088	-.0066	-.4236	-.0001	.0006	-.0107
11543	.301	6023.2	21.91	.10	1.1895	-.0085	-.3597	-.0004	.0003	-.0098
11544	.301	6017.1	23.61	.10	1.2432	-.0075	-.3738	.0003	.0005	-.0104
11545	.300	6011.3	25.89	.10	1.3326	-.0054	-.3988	.0016	.0004	-.0102
11546	.301	6017.9	27.62	.08	1.3797	-.0062	-.4085	.0010	.0022	-.0101
11547	.300	6000.9	29.87	.11	1.3883	-.0029	-.3908	-.0003	.0035	-.0134
11548	.300	5987.3	31.74	.13	1.4271	-.0043	-.3921	.0031	-.0009	-.0105
11549	.301	6019.2	33.66	.22	1.4754	-.0076	-.3964	.0010	.0009	-.0147
11550	.300	5988.7	35.80	.23	1.5368	-.0094	-.3963	-.0006	.0024	-.0207
11551	.300	5996.4	37.51	.23	1.5832	-.0119	-.4000	-.0001	.0034	-.0221
11552	.304	6150.2	39.60	.24	1.6367	-.0156	-.4003	-.0003	.0028	-.0246
11553	.300	5997.3	41.72	.31	1.6696	-.0185	-.3905	-.0003	-.0003	-.0286
11554	.301	6019.8	-.40	-.00	-.0109	.0179	.0052	.0001	-.0021	.0060

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 40		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
11529	.300	5991.4	-.41	-.01	-.0003	.0048	-.0008	-.0000	-.0004	-.0012	-.0002
11530	.301	6043.1	-3.93	-.07	-.0154	.0054	-.0197	-.0000	-.0002	-.0011	.0002
11531	.300	5991.3	-1.94	-.03	-.0053	.0055	-.0074	.0000	-.0003	-.0013	-.0002
11532	.300	5991.4	-.62	-.01	-.0000	.0054	-.0004	-.0000	-.0004	-.0014	-.0003
11533	.300	6000.5	1.89	.03	.0102	.0056	.0128	-.0000	-.0005	-.0015	-.0002
11534	.300	6000.6	3.82	.07	.0194	.0067	.0238	-.0000	-.0006	-.0017	-.0001
11535	.300	5992.2	5.99	.10	.0315	.0087	.0376	-.0001	-.0008	-.0020	-.0000
11536	.300	6012.9	7.99	.13	.0421	.0109	.0491	-.0001	-.0008	-.0021	-.0000
11537	.300	5986.7	9.94	.12	.0568	.0156	.0651	-.0000	-.0007	-.0020	-.0001
11538	.300	6010.7	11.71	.19	.0683	.0193	.0772	-.0001	-.0009	-.0026	.0001
11539	.300	6007.7	13.79	.23	.0851	.0260	.0949	-.0003	-.0013	-.0034	.0003
11540	.300	5994.3	15.91	.28	.1019	.0335	.1127	-.0004	-.0015	-.0042	.0008
11541	.300	5996.7	17.84	.28	.1140	.0399	.1259	-.0004	-.0016	-.0044	.0015
11542	.300	6016.1	19.74	.31	.1313	.0493	.1449	-.0006	-.0018	-.0048	.0030
11543	.301	6023.2	21.90	.38	.1451	.0594	.1611	-.0006	-.0016	-.0039	.0040
11544	.301	6017.1	23.61	.39	.1556	.0679	.1734	-.0006	-.0015	-.0036	.0048
11545	.300	6011.3	25.88	.42	.1718	.0821	.1934	-.0006	-.0013	-.0028	.0052
11546	.301	6017.9	27.61	.42	.1802	.0920	.2048	-.0004	-.0008	-.0021	.0051
11547	.300	6000.9	29.87	.48	.1948	.1081	.2253	-.0005	-.0010	-.0019	.0045
11548	.300	5987.3	31.73	.52	.2042	.1205	.2391	-.0007	-.0015	-.0029	.0047
11549	.301	6019.2	33.65	.64	.2132	.1334	.2525	-.0012	-.0021	-.0044	.0052
11550	.300	5988.7	35.80	.67	.2272	.1525	.2741	-.0018	-.0030	-.0065	.0059
11551	.300	5996.4	37.51	.68	.2348	.1658	.2877	-.0016	-.0027	-.0055	.0064
11552	.304	6150.2	39.60	.72	.2438	.1836	.3059	-.0022	-.0033	-.0069	.0070
11553	.300	5997.3	41.71	.81	.2506	.2021	.3223	-.0037	-.0048	-.0109	.0089
11554	.301	6019.8	-.40	-.01	-.0007	.0050	-.0013	-.0000	-.0006	-.0014	-.0002

TEST TP	24 MACH	Q PA	RUN 40		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
11529	.300	5991.4	-.41	-.01	-.0004	.0048	-.0008	-.0000	-.0004	-.0012	-.0001
11530	.301	6043.1	-3.93	-.07	-.0157	.0043	-.0197	-.0000	-.0002	-.0011	.0000
11531	.300	5991.3	-1.94	-.03	-.0055	.0053	-.0074	-.0000	-.0003	-.0013	-.0001
11532	.300	5991.4	-.62	-.01	-.0001	.0054	-.0004	-.0000	-.0004	-.0014	-.0001
11533	.300	6000.5	1.89	.03	.0104	.0053	.0128	-.0000	-.0005	-.0015	-.0001
11534	.300	6000.6	3.82	.07	.0198	.0053	.0238	.0000	-.0006	-.0017	-.0000
11535	.300	5992.2	5.99	.10	.0322	.0054	.0376	.0000	-.0008	-.0020	-.0000
11536	.300	6012.9	7.99	.13	.0432	.0049	.0491	.0000	-.0008	-.0021	-.0000
11537	.300	5986.7	9.94	.12	.0587	.0055	.0651	.0001	-.0006	-.0020	-.0001
11538	.300	6010.7	11.71	.19	.0708	.0050	.0772	.0001	-.0009	-.0026	-.0001
11539	.300	6007.7	13.79	.23	.0889	.0049	.0949	.0001	-.0014	-.0034	.0001
11540	.300	5994.3	15.91	.28	.1072	.0043	.1127	.0001	-.0015	-.0042	.0002
11541	.300	5996.7	17.84	.28	.1208	.0030	.1259	.0001	-.0016	-.0044	.0004
11542	.300	6016.1	19.74	.31	.1403	.0021	.1449	.0000	-.0019	-.0048	.0007
11543	.301	6023.2	21.90	.38	.1568	.0009	.1611	.0000	-.0017	-.0039	.0010
11544	.301	6017.1	23.61	.39	.1698	-.0001	.1734	.0001	-.0016	-.0036	.0012
11545	.300	6011.3	25.88	.42	.1904	-.0011	.1934	.0000	-.0014	-.0028	.0012
11546	.301	6017.9	27.61	.42	.2023	-.0019	.2048	.0000	-.0009	-.0015	.0012
11547	.300	6000.9	29.87	.48	.2228	-.0032	.2253	.0001	-.0011	-.0019	.0011
11548	.300	5987.3	31.73	.52	.2371	-.0049	.2391	.0002	-.0016	-.0029	.0011
11549	.301	6019.2	33.65	.64	.2514	-.0071	.2525	.0002	-.0024	-.0044	.0012
11550	.300	5988.7	35.80	.67	.2735	-.0092	.2741	.0003	-.0035	-.0065	.0014
11551	.300	5996.4	37.51	.68	.2872	-.0114	.2877	.0003	-.0031	-.0055	.0015
11552	.304	6150.2	39.60	.72	.3049	-.0139	.3059	.0004	-.0040	-.0069	.0017
11553	.300	5997.3	41.71	.81	.3216	-.0159	.3223	.0005	-.0061	-.0109	.0023
11554	.301	6019.8	-.40	-.01	-.0007	.0050	-.0013	-.0000	-.0006	-.0014	-.0001

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TEST TP	24 MACH	Q PA	RUN 46 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
11712	.700	25012.2	-4.44	-0.00	.0007	.0096	-.0034	.0005	-.0016	.0037	.0062
11713	.700	25013.0	-3.94	.01	-.0102	.0112	-.0191	.0006	-.0015	.0053	.0063
11714	.700	25007.1	-2.01	.01	-.0037	.0099	-.0106	.0005	-.0014	.0047	.0062
11715	.700	24986.5	-.61	-0.00	.0020	.0099	-.0024	.0005	-.0016	.0056	.0062
11716	.700	25030.9	2.09	-.03	.0113	.0105	.0102	.0004	-.0014	.0049	.0067
11717	.699	24966.5	4.10	-.04	.0202	.0113	.0199	.0003	-.0016	.0053	.0072
11718	.699	24937.6	5.92	-.06	.0294	.0128	.0286	.0003	-.0017	.0058	.0074
11719	.700	25007.1	8.03	-.08	.0422	.0157	.0401	.0002	-.0020	.0063	.0075
11720	.700	25003.6	9.73	-.10	.0530	.0188	.0494	.0001	-.0021	.0063	.0077
11721	.700	25008.1	12.01	-.11	.0685	.0240	.0630	-.0000	-.0023	.0058	.0083
11722	.700	25002.7	13.86	-.11	.0813	.0289	.0752	-.0001	-.0023	.0053	.0089
11723	.700	24977.4	16.21	-.12	.0984	.0365	.0917	-.0001	-.0023	.0046	.0102
11724	.699	24972.8	18.18	-.25	.1138	.0443	.1060	-.0002	-.0018	.0047	.0111
11725	.700	24998.9	19.67	-.16	.1225	.0497	.1145	-.0002	-.0013	.0044	.0117
11726	.702	25120.6	21.78	-.16	.1425	.0613	.1335	-.0005	-.0015	.0058	.0127
11727	.699	24963.6	23.75	-.19	.1592	.0735	.1501	-.0006	-.0019	.0061	.0129
11728	.700	24990.9	25.73	-.19	.1744	.0857	.1660	-.0007	-.0029	.0066	.0132
11729	.699	24967.6	27.65	-.20	.1959	.1022	.1871	-.0009	-.0028	.0093	.0137
11730	.699	24936.9	29.64	-.16	.2135	.1188	.2059	.0005	-.0008	-.0051	.0140
11731	.701	25058.2	31.83	-.19	.2362	.1409	.2286	.0009	.0037	-.0152	.0143
11732	.700	24997.1	33.68	-.18	.2567	.1620	.2481	.0018	.0109	-.0450	.0150
11733	.700	24994.5	35.80	-.25	.2876	.1941	.2737	.0000	.0150	-.0762	.0160
11734	.700	25018.7	37.89	-.22	.3148	.2272	.2988	-.0054	.0082	-.0626	.0169
11735	.700	25032.4	-.45	-.01	.0014	.0096	-.0032	.0005	-.0015	.0060	.0063

TEST TP	24 MACH	Q PA	RUN 46 ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY
11712	.700	25012.2	-4.44	-0.00	.0006	.0096	-.0034	.0005	-.0016	.0037
11713	.700	25013.0	-3.94	.01	-.0110	.0105	-.0191	.0005	-.0016	.0053
11714	.700	25007.1	-2.01	.01	-.0041	.0098	-.0106	.0004	-.0014	.0047
11715	.700	24986.5	-.61	-0.00	.0019	.0100	-.0024	.0005	-.0016	.0056
11716	.700	25030.9	2.09	-.03	.0116	.0100	.0102	.0004	-.0014	.0049
11717	.699	24966.5	4.10	-.04	.0209	.0098	.0199	.0004	-.0015	.0053
11718	.699	24937.6	5.92	-.06	.0306	.0097	.0286	.0004	-.0017	.0058
11719	.700	25007.1	8.03	-.08	.0440	.0097	.0401	.0005	-.0019	.0063
11720	.700	25003.6	9.73	-.10	.0554	.0095	.0494	.0005	-.0020	.0063
11721	.700	25008.1	12.01	-.11	.0720	.0092	.0630	.0005	-.0022	.0058
11722	.700	25002.7	13.86	-.11	.0859	.0086	.0752	.0005	-.0023	.0053
11723	.700	24977.4	16.21	-.12	.1046	.0076	.0917	.0005	-.0022	.0046
11724	.699	24972.8	18.18	-.25	.1219	.0066	.1060	.0003	-.0018	.0047
11725	.700	24998.9	19.67	-.16	.1321	.0056	.1145	.0002	-.0013	.0044
11726	.702	25120.6	21.78	-.16	.1591	.0041	.1335	.0001	-.0016	.0058
11727	.699	24963.6	23.75	-.19	.1733	.0031	.1501	.0002	-.0020	.0061
11728	.700	24990.9	25.73	-.19	.1943	.0015	.1660	.0007	-.0030	.0066
11729	.699	24967.6	27.65	-.20	.2210	-.0004	.1871	.0005	-.0029	.0093
11730	.699	24936.9	29.64	-.16	.2443	-.0024	.2059	.0008	-.0005	-.0051
11731	.701	25058.2	31.83	-.19	.2749	-.0049	.2286	-.0012	.0036	-.0152
11732	.700	24997.1	33.68	-.18	.3034	-.0075	.2481	-.0045	.0100	-.0450
11733	.700	24994.5	35.80	-.25	.3468	-.0108	.2737	-.0087	.0122	-.0762
11734	.700	25018.7	37.89	-.22	.3880	-.0140	.2988	-.0093	.0031	-.0626
11735	.700	25032.4	-.45	-.01	.0014	.0096	-.0032	.0005	-.0015	.0060

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TEST TP	24 MACH	Q PA	RUN 46		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
11712	.700	25012.2	-.44	-.01	-.0007	.0046	-.0015	.0000	.0001	-.0003	.0008
11713	.700	25013.0	-3.94	-.04	-.0121	.0056	-.0173	-.0000	.0005	.0002	.0009
11714	.700	25007.1	-2.01	-.02	-.0057	.0050	-.0086	.0000	.0003	-.0000	.0009
11715	.700	24986.5	-.61	-.01	-.0001	.0050	-.0007	.0000	.0004	.0001	.0008
11716	.700	25030.9	2.09	.00	.0089	.0052	.0121	.0000	.0002	-.0002	.0008
11717	.699	24966.5	4.10	.01	.0168	.0061	.0228	.0000	.0002	-.0001	.0009
11718	.699	24937.6	5.92	.02	.0242	.0072	.0325	.0001	.0002	-.0001	.0010
11719	.700	25007.1	8.03	.03	.0345	.0094	.0454	.0001	.0001	-.0004	.0010
11720	.700	25003.6	9.73	.03	.0430	.0118	.0559	.0001	-.0000	-.0006	.0009
11721	.700	25008.1	12.01	.04	.0551	.0160	.0706	.0001	-.0002	-.0012	.0007
11722	.700	25002.7	13.86	.07	.0655	.0201	.0833	-.0000	-.0004	-.0015	.0006
11723	.700	24977.4	16.21	.09	.0795	.0265	.1009	-.0001	-.0005	-.0019	.0006
11724	.699	24972.8	18.18	-.01	.0917	.0329	.1165	-.0001	-.0004	-.0016	.0006
11725	.700	24998.9	19.67	.09	.0984	.0372	.1255	-.0001	-.0004	-.0015	.0007
11726	.702	25120.6	21.78	.11	.1135	.0461	.1455	-.0001	-.0004	-.0009	.0009
11727	.699	24963.6	23.75	.11	.1263	.0552	.1624	-.0001	-.0004	-.0007	.0008
11728	.700	24990.9	25.73	.13	.1374	.0645	.1782	-.0001	-.0003	-.0006	.0008
11729	.699	24967.6	27.65	.15	.1524	.0768	.1991	-.0000	-.0003	-.0004	.0004
11730	.699	24936.9	29.64	.21	.1641	.0880	.2172	-.0006	-.0014	-.0034	-.0001
11731	.701	25058.2	31.83	.20	.1786	.1016	.2389	-.0009	-.0018	-.0040	.0008
11732	.700	24997.1	33.67	.23	.1928	.1168	.2590	-.0026	-.0043	-.0091	.0037
11733	.700	24994.5	35.80	.19	.2142	.1402	.2904	-.0059	-.0086	-.0198	.0046
11734	.700	25018.7	37.89	.24	.2328	.1643	.3219	-.0072	-.0097	-.0232	.0032
11735	.700	25032.4	-.45	-.02	-.0006	.0046	-.0016	.0000	.0005	.0003	.0008

TEST TP	24 MACH	Q PA	RUN 46		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
11712	.700	25012.2	-.44	-.01	-.0008	.0046	-.0015	.0000	.0001	-.0003	.0002
11713	.700	25013.0	-3.94	-.04	-.0125	.0048	-.0173	.0000	.0005	.0002	.0002
11714	.700	25007.1	-2.01	-.02	-.0058	.0048	-.0086	.0000	.0003	-.0000	.0002
11715	.700	24986.5	-.61	-.01	-.0002	.0050	-.0007	.0000	.0004	.0001	.0002
11716	.700	25030.9	2.09	.00	.0091	.0049	.0121	.0000	.0002	-.0002	.0002
11717	.699	24966.5	4.10	.01	.0172	.0049	.0228	.0000	.0002	-.0001	.0002
11718	.699	24937.6	5.92	.02	.0248	.0047	.0325	.0001	.0002	-.0001	.0002
11719	.700	25007.1	8.03	.03	.0354	.0045	.0454	.0001	.0001	-.0004	.0002
11720	.700	25003.6	9.73	.03	.0443	.0044	.0559	.0001	.0000	-.0006	.0002
11721	.700	25008.1	12.01	.04	.0572	.0041	.0706	.0001	-.0002	-.0012	.0002
11722	.700	25002.7	13.86	.07	.0684	.0038	.0833	.0001	-.0004	-.0015	.0001
11723	.700	24977.4	16.21	.09	.0838	.0032	.1009	.0001	-.0005	-.0019	.0001
11724	.699	24972.8	18.18	-.01	.0974	.0026	.1165	.0001	-.0004	-.0016	.0001
11725	.700	24998.9	19.67	.09	.1052	.0019	.1255	.0001	-.0004	-.0015	.0002
11726	.702	25120.6	21.78	.11	.1225	.0007	.1455	.0001	-.0004	-.0009	.0002
11727	.699	24963.6	23.75	.11	.1378	-.0004	.1624	.0001	-.0004	-.0007	.0002
11728	.700	24990.9	25.73	.13	.1518	-.0015	.1782	.0001	-.0004	-.0006	.0002
11729	.699	24967.6	27.65	.15	.1706	-.0028	.1991	.0001	-.0002	-.0004	.0001
11730	.699	24936.9	29.64	.21	.1861	-.0047	.2172	.0002	-.0015	-.0034	-.0000
11731	.701	25058.2	31.83	.20	.2054	-.0079	.2389	.0002	-.0020	-.0040	.0002
11732	.700	24997.1	33.67	.23	.2252	-.0097	.2590	.0002	-.0050	-.0091	.0009
11733	.700	24994.5	35.80	.19	.2557	-.0116	.2904	.0002	-.0104	-.0198	.0010
11734	.700	25018.7	37.89	.24	.2846	-.0133	.3219	.0003	-.0121	-.0232	.0007
11735	.700	25032.4	-.45	-.02	-.0007	.0046	-.0016	.0000	.0005	.0003	.0002

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TEST 24			RUN 47									
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC	
11749	.500	14982.0	-0.43	-0.01	-.0003	.0097	-.0028	.0003	-.0014	.0012	.0061	
11750	.501	15022.3	-4.05	-.08	-.0134	.0115	-.0205	.0005	-.0015	.0022	.0062	
11751	.500	14976.1	-1.99	-.04	-.0044	.0102	-.0095	.0004	-.0014	.0020	.0062	
11752	.501	15019.7	-.61	-.02	.0005	.0103	-.0019	.0003	-.0016	.0024	.0061	
11753	.501	15030.8	1.84	.03	.0074	.0102	.0078	.0003	-.0017	.0027	.0063	
11754	.500	14966.8	3.91	.07	.0181	.0114	.0193	.0003	-.0018	.0025	.0069	
11755	.500	15004.0	6.02	.10	.0271	.0125	.0281	.0002	-.0018	.0027	.0071	
11756	.500	14980.2	7.82	.13	.0387	.0153	.0384	.0001	-.0021	.0035	.0074	
11757	.500	15007.2	9.93	.15	.0520	.0189	.0500	.0001	-.0022	.0038	.0076	
11758	.499	14950.8	12.04	.17	.0661	.0236	.0629	-.0000	-.0024	.0034	.0082	
11759	.499	14957.7	13.84	.21	.0789	.0284	.0744	-.0001	-.0025	.0027	.0089	
11760	.501	15023.9	15.92	.25	.0935	.0346	.0878	-.0001	-.0027	.0025	.0100	
11761	.499	14935.7	18.01	.29	.1085	.0421	.1022	-.0002	-.0023	.0013	.0112	
11762	.500	14971.0	19.84	.31	.1217	.0496	.1146	-.0004	-.0016	.0006	.0120	
11763	.500	14976.5	21.87	.33	.1363	.0590	.1284	-.0005	-.0016	.0016	.0127	
11764	.499	14959.8	23.77	.37	.1496	.0689	.1416	-.0004	-.0017	-.0001	.0131	
11765	.499	14931.5	25.89	.43	.1679	.0823	.1587	-.0004	-.0015	-.0008	.0136	
11766	.499	14950.4	27.80	.24	.1837	.0955	.1742	-.0015	-.0020	.0109	.0141	
11767	.500	14964.1	29.70	.18	.1983	.1094	.1876	-.0004	-.0020	.0047	.0146	
11768	.500	14992.7	31.79	.19	.2130	.1253	.2039	-.0012	-.0020	.0063	.0150	
11769	.500	14969.2	33.74	.20	.2305	.1441	.2212	-.0006	.0000	-.0007	.0156	
11770	.499	14924.1	35.74	.20	.2481	.1655	.2406	-.0021	-.0029	.0096	.0161	
11771	.501	15014.3	37.66	.25	.2613	.1852	.2564	-.0033	-.0018	-.0006	.0164	
11772	.500	14965.7	39.65	.26	.2899	.2185	.2750	-.0064	.0020	-.0433	.0174	
11773	.501	15020.2	41.73	.41	.3082	.2495	.2983	-.0182	-.0155	-.0653	.0176	
11774	.500	15012.8	43.68	.39	.3230	.2792	.3242	-.0233	-.0220	-.0465	.0174	
11775	.500	15004.9	45.63	.37	.3388	.3126	.3489	-.0240	-.0227	-.0370	.0173	
11776	.499	14920.7	48.04	.25	.3580	.3586	.3703	-.0185	-.0154	-.0384	.0172	
11777	.499	14955.2	-.43	-.01	.0012	.0100	-.0026	.0004	-.0013	.0042	.0061	

TEST 24			RUN 47									
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY		
11749	.500	14982.0	-0.43	-0.01	-.0004	.0097	-.0028	.0003	-.0014	.0012		
11750	.501	15022.3	-4.05	-.08	-.0142	.0105	-.0205	.0004	-.0015	.0022		
11751	.500	14976.1	-1.99	-.04	-.0048	.0101	-.0095	.0004	-.0014	.0020		
11752	.501	15019.7	-.61	-.02	.0004	.0103	-.0019	.0003	-.0016	.0024		
11753	.501	15030.8	1.84	.03	.0078	.0100	.0078	.0004	-.0017	.0027		
11754	.500	14966.8	3.91	.07	.0188	.0101	.0193	.0004	-.0018	.0025		
11755	.500	15004.0	6.02	.10	.0282	.0096	.0281	.0004	-.0018	.0027		
11756	.500	14980.2	7.82	.13	.0404	.0099	.0384	.0004	-.0020	.0035		
11757	.500	15007.2	9.93	.15	.0544	.0097	.0500	.0005	-.0022	.0038		
11758	.499	14950.8	12.04	.17	.0695	.0093	.0629	.0005	-.0023	.0034		
11759	.499	14957.7	13.84	.21	.0834	.0087	.0744	.0005	-.0025	.0027		
11760	.501	15023.9	15.92	.25	.0994	.0077	.0878	.0006	-.0026	.0025		
11761	.499	14935.7	18.01	.29	.1162	.0065	.1022	.0005	-.0022	.0013		
11762	.500	14971.0	19.84	.31	.1313	.0053	.1146	.0002	-.0016	.0006		
11763	.500	14976.5	21.87	.33	.1485	.0040	.1284	.0002	-.0016	.0016		
11764	.499	14959.8	23.77	.37	.1646	.0028	.1416	.0003	-.0017	-.0001		
11765	.499	14931.5	25.89	.43	.1870	.0007	.1587	.0003	-.0015	-.0008		
11766	.499	14950.4	27.80	.24	.2071	-.0012	.1742	-.0004	-.0025	.0109		
11767	.500	14964.1	29.70	.18	.2265	-.0033	.1876	.0006	-.0019	.0047		
11768	.500	14992.7	31.79	.19	.2470	-.0057	.2039	.0000	-.0024	.0063		
11769	.500	14969.2	33.74	.20	.2717	-.0082	.2212	-.0005	-.0003	-.0007		
11770	.499	14924.1	35.74	.20	.2980	-.0106	.2406	.0000	-.0036	.0096		
11771	.501	15014.3	37.66	.25	.3200	-.0130	.2564	-.0015	-.0034	-.0006		
11772	.500	14965.7	39.65	.26	.3627	-.0168	.2750	-.0062	-.0025	-.0433		
11773	.501	15020.2	41.73	.41	.3961	-.0189	.2983	-.0032	-.0237	-.0653		
11774	.500	15012.8	43.68	.39	.4264	-.0212	.3242	-.0016	-.0320	-.0465		
11775	.500	15004.9	45.63	.37	.4604	-.0236	.3489	-.0006	-.0331	-.0370		
11776	.499	14920.7	48.04	.25	.5060	-.0265	.3703	-.0009	-.0241	-.0384		
11777	.499	14955.2	-.43	-.01	.0011	.0100	-.0026	.0004	-.0013	.0042		

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TEST TP	24 MACH	Q PA	RUN 47		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
11749	.500	14982.0	-4.43	-.01	-.0007	.0048	-.0014	.0000	-.0001	-.0008	.0006
11750	.501	15022.3	-4.05	-.13	-.0135	.0058	-.0191	.0000	.0000	-.0007	.0006
11751	.500	14976.1	-1.99	-.07	-.0052	.0052	-.0079	.0000	-.0001	-.0008	.0006
11752	.501	15019.7	-.61	-.02	-.0000	.0052	-.0005	.0000	-.0002	-.0009	.0006
11753	.501	15030.8	1.84	.05	.0068	.0052	.0093	.0000	-.0002	-.0010	.0005
11754	.500	14966.8	3.91	.12	.0161	.0062	.0216	.0000	-.0004	-.0012	.0005
11755	.500	15004.0	6.02	.18	.0234	.0073	.0314	.0000	-.0005	-.0014	.0005
11756	.500	14980.2	7.82	.23	.0327	.0093	.0432	.0000	-.0005	-.0015	.0005
11757	.500	15007.2	9.92	.28	.0431	.0122	.0560	.0000	-.0005	-.0015	.0006
11758	.499	14950.8	12.03	.33	.0544	.0161	.0697	-.0000	-.0007	-.0020	.0003
11759	.499	14957.7	13.84	.39	.0645	.0201	.0817	-.0001	-.0009	-.0024	.0001
11760	.501	15023.9	15.91	.46	.0764	.0255	.0962	-.0002	-.0010	-.0029	-.0000
11761	.499	14935.7	18.00	.53	.0885	.0319	.1117	-.0003	-.0012	-.0033	-.0001
11762	.500	14971.0	19.84	.56	.0990	.0381	.1252	-.0003	-.0012	-.0035	-.0003
11763	.500	14976.5	21.87	.61	.1098	.0455	.1399	-.0004	-.0011	-.0029	-.0001
11764	.499	14959.8	23.76	.67	.1200	.0531	.1538	-.0004	-.0011	-.0025	-.0001
11765	.499	14931.5	25.88	.76	.1329	.0629	.1709	-.0005	-.0012	-.0024	-.0002
11766	.499	14950.4	27.79	.59	.1437	.0725	.1860	-.0001	-.0003	-.0004	-.0004
11767	.500	14964.1	29.70	.55	.1516	.0805	.1996	-.0001	-.0008	-.0024	-.0005
11768	.500	14992.7	31.78	.59	.1610	.0907	.2148	-.0004	-.0011	-.0027	.0009
11769	.500	14969.2	33.74	.62	.1730	.1039	.2318	-.0006	-.0013	-.0026	.0044
11770	.499	14924.1	35.74	.64	.1865	.1201	.2510	-.0003	-.0007	-.0011	.0061
11771	.501	15014.3	37.65	.71	.1971	.1353	.2674	-.0015	-.0022	-.0049	.0063
11772	.500	14965.7	39.64	.74	.2143	.1571	.2932	-.0061	-.0076	-.0189	.0069
11773	.501	15020.2	41.72	.91	.2270	.1785	.3179	-.0155	-.0178	-.0460	.0060
11774	.500	15012.8	43.67	.91	.2413	.2028	.3454	-.0185	-.0193	-.0489	.0050
11775	.500	15004.9	45.62	.91	.2547	.2281	.3748	-.0213	-.0203	-.0495	.0041
11776	.499	14920.7	48.04	.81	.2655	.2572	.4082	-.0230	-.0197	-.0453	.0028
11777	.499	14955.2	-.43	-.02	-.0004	.0049	-.0013	.0000	.0000	-.0004	.0006

TEST TP	24 MACH	Q PA	RUN 47		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
11749	.500	14982.0	-4.43	-.01	-.0007	.0048	-.0014	.0000	-.0001	-.0008	.0001
11750	.501	15022.3	-4.05	-.13	-.0139	.0048	-.0191	.0000	.0000	-.0007	.0001
11751	.500	14976.1	-1.99	-.07	-.0053	.0050	-.0079	.0000	-.0001	-.0008	.0001
11752	.501	15019.7	-.61	-.02	-.0001	.0052	-.0005	.0000	-.0002	-.0009	.0001
11753	.501	15030.8	1.84	.05	.0069	.0050	.0093	.0000	-.0002	-.0010	.0001
11754	.500	14966.8	3.91	.12	.0165	.0051	.0216	.0000	-.0004	-.0012	.0001
11755	.500	15004.0	6.02	.18	.0241	.0048	.0314	.0001	-.0005	-.0014	.0001
11756	.500	14980.2	7.82	.23	.0337	.0048	.0432	.0001	-.0005	-.0015	.0001
11757	.500	15007.2	9.92	.28	.0445	.0046	.0560	.0001	-.0005	-.0015	.0001
11758	.499	14950.8	12.03	.33	.0566	.0044	.0697	.0001	-.0007	-.0020	.0001
11759	.499	14957.7	13.84	.39	.0674	.0041	.0817	.0001	-.0009	-.0024	-.0000
11760	.501	15023.9	15.91	.46	.0805	.0036	.0962	.0001	-.0010	-.0029	-.0001
11761	.499	14935.7	18.00	.53	.0940	.0030	.1117	.0001	-.0012	-.0033	-.0001
11762	.500	14971.0	19.84	.56	.1061	.0023	.1252	.0001	-.0012	-.0035	-.0001
11763	.500	14976.5	21.87	.61	.1189	.0013	.1399	.0000	-.0012	-.0029	-.0000
11764	.499	14959.8	23.76	.67	.1312	.0002	.1538	.0000	-.0012	-.0025	-.0001
11765	.499	14931.5	25.88	.76	.1471	-.0014	.1709	.0001	-.0013	-.0024	-.0001
11766	.499	14950.4	27.79	.59	.1609	-.0029	.1860	.0001	-.0003	-.0004	-.0001
11767	.500	14964.1	29.70	.55	.1716	-.0052	.1996	.0003	-.0008	-.0024	-.0001
11768	.500	14992.7	31.78	.59	.1846	-.0077	.2148	.0002	-.0011	-.0027	.0002
11769	.500	14969.2	33.74	.62	.2016	-.0097	.2318	.0002	-.0014	-.0026	.0011
11770	.499	14924.1	35.74	.64	.2215	-.0114	.2510	.0002	-.0008	-.0011	.0015
11771	.501	15014.3	37.65	.71	.2387	-.0133	.2674	.0002	-.0026	-.0049	.0015
11772	.500	14965.7	39.64	.74	.2653	-.0158	.2932	.0002	-.0098	-.0189	.0016
11773	.501	15020.2	41.72	.91	.2882	-.0178	.3179	.0003	-.0236	-.0460	.0014
11774	.500	15012.8	43.67	.91	.3145	-.0199	.3454	-.0000	-.0268	-.0489	.0011
11775	.500	15004.9	45.62	.91	.3412	-.0225	.3748	-.0004	-.0295	-.0495	.0009
11776	.499	14920.7	48.04	.81	.3688	-.0254	.4082	-.0007	-.0303	-.0453	.0006
11777	.499	14955.2	-.43	-.02	-.0005	.0049	-.0013	.0000	.0000	-.0004	.0001

## NASA LANGLEY

## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 48		CL	CD	CHS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
11778	.300	6031.1	-4.3	-.01	.0014	.0106	-.0018	.0005	-.0018	.0068	.0059
11779	.301	6041.7	-4.06	-.05	-.0101	.0118	-.0193	.0005	-.0012	.0072	.0062
11780	.301	6055.0	-2.15	-.03	-.0034	.0116	-.0091	.0005	-.0012	.0057	.0059
11781	.301	6044.4	-.61	-.01	.0015	.0121	-.0013	.0006	-.0015	.0053	.0059
11782	.301	6042.5	1.92	.02	.0099	.0125	.0105	.0004	-.0016	.0048	.0063
11783	.301	6046.2	3.88	.04	.0164	.0119	.0182	.0004	-.0014	.0040	.0066
11784	.300	6017.6	5.91	.06	.0259	.0132	.0277	.0003	-.0018	.0036	.0069
11785	.300	6022.5	7.99	.10	.0381	.0158	.0382	.0003	-.0021	.0041	.0071
11786	.300	6022.5	10.05	.14	.0520	.0205	.0507	.0002	-.0024	.0030	.0078
11787	.300	6024.2	12.04	.17	.0647	.0246	.0622	.0001	-.0026	.0023	.0086
11788	.300	6023.6	13.82	.18	.0742	.0272	.0714	-.0003	-.0024	.0015	.0091
11789	.300	6032.9	15.70	.22	.0874	.0326	.0832	.0001	-.0026	.0000	.0101
11790	.300	6027.1	17.93	.28	.1056	.0415	.1001	-.0002	-.0021	-.0005	.0113
11791	.300	6020.0	19.86	.29	.1171	.0476	.1102	-.0004	-.0019	-.0001	.0119
11792	.300	6012.9	21.74	.33	.1307	.0572	.1242	-.0004	-.0016	-.0007	.0125
11793	.301	6040.2	23.89	.39	.1443	.0670	.1383	-.0006	-.0022	.0000	.0134
11794	.300	6029.0	25.58	.41	.1526	.0734	.1479	-.0006	-.0018	.0008	.0140
11795	.300	6008.0	27.80	.46	.1707	.0886	.1668	-.0008	-.0025	.0050	.0148
11796	.300	6020.1	29.68	.48	.1817	.0997	.1788	-.0005	-.0025	.0008	.0152
11797	.300	6005.7	31.96	.46	.1968	.1160	.1949	-.0014	-.0034	.0025	.0158
11798	.299	5988.7	33.59	.49	.2070	.1271	.2045	-.0014	-.0026	-.0024	.0162
11799	.300	6023.7	35.59	.56	.2263	.1487	.2230	-.0026	-.0037	-.0025	.0168
11800	.300	5996.3	37.79	.56	.2406	.1690	.2385	-.0028	-.0039	-.0006	.0171
11801	.300	6019.4	39.55	.53	.2579	.1925	.2557	-.0037	-.0042	-.0006	.0173
11802	.300	5997.9	41.79	.60	.2726	.2179	.2700	-.0056	-.0058	-.0021	.0173
11803	.300	6030.3	43.58	.66	.2893	.2460	.2870	-.0107	-.0105	-.0011	.0172
11804	.300	5998.6	45.70	.51	.3041	.2772	.3055	-.0126	-.0122	-.0028	.0170
11805	.300	6015.6	47.58	.51	.3169	.3075	.3226	-.0129	-.0118	-.0158	.0168
11806	.300	6016.2	-.43	-.01	-.0046	.0111	-.0015	.0007	-.0014	-.0018	.0058

TEST TP	24 MACH	Q PA	RUN 48		CN	CA	CH	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
11778	.300	6031.1	-4.3	-.01	.0013	.0106	-.0018	.0005	-.0018	.0068
11779	.301	6041.7	-4.06	-.05	-.0109	.0111	-.0193	.0005	-.0013	.0072
11780	.301	6055.0	-2.15	-.03	-.0038	.0114	-.0091	.0005	-.0013	.0057
11781	.301	6044.4	-.61	-.01	.0014	.0122	-.0013	.0005	-.0015	.0053
11782	.301	6042.5	1.92	.02	.0103	.0121	.0105	.0004	-.0016	.0048
11783	.301	6046.2	3.88	.04	.0172	.0107	.0182	.0005	-.0014	.0040
11784	.300	6017.6	5.91	.06	.0271	.0105	.0277	.0005	-.0018	.0036
11785	.300	6022.5	7.99	.10	.0399	.0104	.0382	.0006	-.0021	.0041
11786	.300	6022.5	10.05	.14	.0548	.0111	.0507	.0006	-.0024	.0030
11787	.300	6024.2	12.04	.17	.0684	.0105	.0622	.0006	-.0025	.0023
11788	.300	6023.6	13.82	.18	.0785	.0087	.0714	.0006	-.0023	.0015
11789	.300	6032.9	15.70	.22	.0929	.0077	.0832	.0008	-.0025	.0000
11790	.300	6027.1	17.93	.28	.1133	.0070	.1001	.0004	-.0020	-.0005
11791	.300	6020.0	19.86	.29	.1263	.0050	.1102	.0003	-.0019	-.0001
11792	.300	6012.9	21.74	.33	.1426	.0047	.1242	.0002	-.0017	-.0007
11793	.301	6040.2	23.89	.39	.1590	.0028	.1383	.0003	-.0023	.0008
11794	.300	6029.0	25.58	.41	.1693	.0003	.1479	.0002	-.0018	.0008
11795	.300	6008.0	27.80	.46	.1923	-.0013	.1668	.0004	-.0026	.0050
11796	.300	6020.1	29.68	.48	.2072	-.0034	.1788	.0008	-.0024	.0008
11797	.300	6005.7	31.96	.46	.2284	-.0058	.1949	.0006	-.0036	.0025
11798	.299	5988.7	33.59	.49	.2428	-.0086	.2046	.0003	-.0030	-.0024
11799	.300	6023.7	35.59	.56	.2706	-.0108	.2230	.0000	-.0045	-.0025
11800	.300	5996.3	37.79	.56	.2937	-.0139	.2385	.0002	-.0048	-.0006
11801	.300	6019.4	39.55	.53	.3214	-.0158	.2557	-.0001	-.0056	-.0006
11802	.300	5997.9	41.79	.60	.3485	-.0192	.2700	-.0003	-.0080	-.0021
11803	.300	6030.3	43.58	.66	.3791	-.0212	.2870	-.0005	-.0150	.0011
11804	.300	5998.6	45.70	.51	.4108	-.0240	.3055	-.0001	-.0176	-.0028
11805	.300	6015.6	47.58	.51	.4407	-.0265	.3226	.0000	-.0174	-.0158
11806	.300	6016.2	-.43	-.01	-.0047	.0111	-.0015	.0006	-.0014	-.0018

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7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 48		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
11778	.300	6031.1	-4.43	-.02	.0001	.0053	-.0008	.0000	-.0004	-.0009	.0005
11779	.301	6041.7	-4.06	-.10	-.0120	.0060	-.0176	.0000	-.0001	-.0006	.0006
11780	.301	6055.0	-2.15	-.06	-.0050	.0057	-.0080	.0000	-.0005	-.0011	.0005
11781	.301	6044.4	-.61	-.02	.0009	.0058	.0003	.0000	-.0004	-.0010	.0005
11782	.301	6042.5	1.92	.04	.0092	.0062	.0121	-.0000	-.0005	-.0013	.0004
11783	.301	6046.2	3.88	.09	.0155	.0063	.0206	-.0000	-.0006	-.0014	.0003
11784	.300	6017.6	5.91	.13	.0240	.0076	.0315	-.0000	-.0006	-.0013	.0004
11785	.300	6022.5	7.98	.20	.0331	.0095	.0431	-.0000	-.0008	-.0018	.0004
11786	.300	6022.5	10.05	.27	.0444	.0129	.0570	-.0001	-.0010	-.0022	.0004
11787	.300	6024.2	12.04	.33	.0547	.0165	.0696	-.0001	-.0012	-.0028	.0002
11788	.300	6023.6	13.81	.36	.0632	.0195	.0796	-.0002	-.0012	-.0028	.0001
11789	.300	6032.9	15.69	.42	.0733	.0242	.0918	-.0003	-.0015	-.0036	-.0000
11790	.300	6027.1	17.93	.51	.0879	.0313	.1097	-.0004	-.0016	-.0042	-.0003
11791	.300	6020.0	19.86	.54	.0970	.0365	.1212	-.0005	-.0018	-.0047	-.0004
11792	.300	6012.9	21.73	.61	.1080	.0440	.1359	-.0006	-.0018	-.0047	-.0006
11793	.301	6040.2	23.89	.69	.1182	.0523	.1498	-.0006	-.0015	-.0034	-.0007
11794	.300	6029.0	25.58	.73	.1246	.0581	.1587	-.0006	-.0013	-.0029	-.0009
11795	.300	6008.0	27.79	.81	.1367	.0687	.1764	-.0004	-.0008	-.0012	-.0010
11796	.300	6020.1	29.67	.85	.1429	.0747	.1877	-.0004	-.0010	-.0018	.0002
11797	.300	6005.7	31.95	.85	.1535	.0867	.2034	-.0006	-.0015	-.0032	.0027
11798	.299	5988.7	33.58	.90	.1606	.0957	.2136	-.0009	-.0019	-.0042	.0037
11799	.300	6023.7	35.58	.99	.1745	.1116	.2324	-.0015	-.0025	-.0054	.0049
11800	.300	5996.3	37.78	1.02	.1848	.1266	.2480	-.0015	-.0023	-.0048	.0055
11801	.300	6019.4	39.54	1.01	.1967	.1431	.2668	-.0019	-.0026	-.0057	.0061
11802	.300	5997.9	41.78	1.10	.2061	.1612	.2847	-.0029	-.0035	-.0082	.0063
11803	.300	6030.3	43.57	1.17	.2182	.1806	.3060	-.0051	-.0055	-.0127	.0068
11804	.300	5998.6	45.70	1.05	.2288	.2029	.3291	-.0079	-.0077	-.0176	.0064
11805	.300	6015.6	47.57	1.06	.2381	.2245	.3516	-.0124	-.0111	-.0258	.0054
11806	.300	6016.2	-.43	-.01	-.0000	.0049	-.0006	.0000	-.0007	-.0017	.0005

TEST TP	24 MACH	Q PA	RUN 48		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
11778	.300	6031.1	-4.43	-.02	.0000	.0053	-.0008	-.0000	-.0004	-.0009	.0001
11779	.301	6041.7	-4.06	-.10	-.0124	.0051	-.0176	.0000	-.0001	-.0006	.0001
11780	.301	6055.0	-2.15	-.06	-.0052	.0055	-.0080	.0000	-.0005	-.0011	.0001
11781	.301	6044.4	-.61	-.02	.0008	.0058	.0003	-.0000	-.0004	-.0010	.0001
11782	.301	6042.5	1.92	.04	.0094	.0059	.0121	.0000	-.0005	-.0013	.0001
11783	.301	6046.2	3.88	.09	.0159	.0052	.0206	.0000	-.0006	-.0014	.0001
11784	.300	6017.6	5.91	.13	.0247	.0051	.0315	.0000	-.0006	-.0013	.0001
11785	.300	6022.5	7.98	.20	.0341	.0048	.0431	.0001	-.0008	-.0018	.0001
11786	.300	6022.5	10.05	.27	.0459	.0049	.0570	.0001	-.0010	-.0022	.0001
11787	.300	6024.2	12.04	.33	.0570	.0047	.0696	.0001	-.0012	-.0028	.0000
11788	.300	6023.6	13.81	.36	.0660	.0038	.0796	.0001	-.0012	-.0028	-.0000
11789	.300	6032.9	15.69	.42	.0771	.0034	.0918	.0001	-.0015	-.0036	-.0001
11790	.300	6027.1	17.93	.51	.0933	.0028	.1097	.0001	-.0016	-.0042	-.0002
11791	.300	6020.0	19.86	.54	.1036	.0014	.1212	.0002	-.0019	-.0047	-.0001
11792	.300	6012.9	21.73	.61	.1166	.0009	.1359	.0001	-.0019	-.0047	-.0002
11793	.301	6040.2	23.89	.69	.1292	-.0000	.1498	.0000	-.0016	-.0034	-.0002
11794	.300	6029.0	25.58	.73	.1375	-.0013	.1587	.0000	-.0014	-.0029	-.0003
11795	.300	6008.0	27.79	.81	.1529	-.0030	.1764	.0000	-.0009	-.0012	-.0003
11796	.300	6020.1	29.67	.85	.1611	-.0059	.1877	.0002	-.0011	-.0018	.0000
11797	.300	6005.7	31.95	.85	.1761	-.0076	.2034	.0003	-.0016	-.0032	.0006
11798	.299	5988.7	33.58	.90	.1867	-.0091	.2136	.0003	-.0021	-.0042	.0009
11799	.300	6023.7	35.58	.99	.2069	-.0107	.2324	.0002	-.0029	-.0054	.0012
11800	.300	5996.3	37.78	1.02	.2236	-.0131	.2480	.0002	-.0027	-.0048	.0013
11801	.300	6019.4	39.54	1.01	.2428	-.0149	.2668	.0002	-.0032	-.0057	.0015
11802	.300	5997.9	41.78	1.10	.2611	-.0172	.2847	.0002	-.0045	-.0082	.0015
11803	.300	6030.3	43.57	1.17	.2826	-.0195	.3060	.0000	-.0075	-.0127	.0016
11804	.300	5998.6	45.70	1.05	.3050	-.0220	.3291	-.0001	-.0110	-.0176	.0015
11805	.300	6015.6	47.57	1.06	.3264	-.0243	.3516	-.0002	-.0166	-.0258	.0013
11806	.300	6016.2	-.43	-.01	-.0001	.0049	-.0006	.0000	-.0007	-.0017	.0001



## NASA LANGLEY

## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 49		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
11818	.300	6037.5	-4.3	-0.00	-.0236	.0178	.0032	.0014	-.0012	.0045	.0056
11819	.300	6031.6	-4.06	-.01	-.2038	.0328	.0148	.0011	-.0014	.0072	.0057
11820	.300	6032.8	-1.86	-.01	-.0889	.0209	.0080	.0012	-.0016	.0076	.0057
11821	.301	6045.0	-.60	-.01	-.0122	.0194	.0026	.0011	-.0014	.0066	.0056
11822	.301	6048.2	1.94	-.00	.1154	.0217	-.0076	.0010	-.0014	.0072	.0056
11823	.301	6044.2	3.99	.01	.2388	.0323	-.0148	.0006	-.0009	.0052	.0059
11824	.301	6041.3	5.81	.02	.3614	.0505	-.0204	-.0001	-.0008	.0052	.0062
11825	.300	6027.7	7.96	.01	.5096	.0824	-.0270	.0007	-.0005	.0043	.0065
11826	.301	6063.9	9.73	.04	.6291	.1171	-.0271	.0013	-.0005	.0029	.0068
11827	.300	6024.2	11.98	.02	.7605	.1683	-.0205	.0009	-.0001	.0031	.0066
11828	.300	6022.6	13.88	.04	.9089	.2313	-.0114	.0004	.0004	.0006	.0063
11829	.300	6017.8	15.75	.05	1.0329	.2959	-.0112	.0009	-.0000	-.0005	.0064
11830	.300	6026.6	17.72	.03	1.1841	.3805	-.0082	.0007	-.0007	-.0005	.0071
11831	.300	6019.6	19.81	.09	1.3709	.4942	-.0050	.0006	.0009	-.0045	.0069
11832	.300	6004.8	21.92	.03	1.4952	.5988	-.0001	-.0001	.0026	-.0073	.0065
11833	.300	6022.5	23.84	.13	1.6223	.7117	.0190	.0017	.0012	-.0105	.0072
11834	.300	6037.7	25.92	.05	1.7391	.8361	.0533	.0024	-.0012	-.0075	.0075
11835	.300	6028.6	27.62	.04	1.7492	.9045	.1094	.0132	-.0126	-.0038	.0075
11836	.300	6018.8	29.76	.05	1.7210	.9714	.1776	.0002	-.0046	-.0028	.0077
11837	.300	6010.0	31.73	.02	1.7473	1.0661	.1992	.0002	-.0014	-.0064	.0079
11838	.298	5955.3	33.58	-.00	1.7554	1.1511	.2086	.0004	.0008	-.0091	.0084
11839	.301	6072.9	35.70	.01	1.7740	1.2573	.2259	-.0001	-.0011	-.0097	.0092
11840	.301	6039.5	37.74	.08	1.7579	1.3400	.2509	-.0006	-.0003	-.0116	.0105
11841	.300	6027.5	39.55	.05	1.7445	1.4168	.2683	-.0019	-.0031	-.0096	.0118
11842	.300	6009.0	41.87	.12	1.7138	1.5064	.2806	-.0014	-.0024	-.0172	.0133
11843	.300	6037.6	-.43	-.01	-.0209	.0196	.0050	.0012	-.0011	.0104	.0057

TEST TP	24 MACH	Q PA	RUN 49		CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
11818	.300	6037.5	-4.3	-0.00	-.0237	.0176	.0032	.0014	-.0012	.0045
11819	.300	6031.6	-4.06	-.01	-.2056	.0183	.0148	.0010	-.0015	.0072
11820	.300	6032.8	-1.86	-.01	-.0896	.0180	.0080	.0012	-.0016	.0076
11821	.301	6045.0	-.60	-.01	-.0124	.0193	.0026	.0011	-.0014	.0066
11822	.301	6048.2	1.94	-.00	.1160	.0178	-.0076	.0011	-.0014	.0072
11823	.301	6044.2	3.99	.01	.2405	.0156	-.0148	.0007	-.0009	.0052
11824	.301	6041.3	5.81	.02	.3646	.0137	-.0204	.0000	-.0008	.0052
11825	.300	6027.7	7.96	.01	.5161	.0110	-.0270	.0008	-.0004	.0043
11826	.301	6063.9	9.73	.04	.6398	.0091	-.0271	.0014	-.0003	.0029
11827	.300	6024.2	11.98	.02	.7789	.0067	-.0205	.0009	.0001	.0031
11828	.300	6022.6	13.88	.04	.9378	.0065	-.0114	.0002	.0005	.0006
11829	.300	6017.8	15.75	.05	1.0745	.0043	-.0112	.0009	.0002	-.0005
11830	.300	6026.6	17.72	.03	1.2437	.0020	-.0082	.0008	-.0005	-.0005
11831	.300	6019.6	19.81	.09	1.4573	.0002	-.0050	.0003	.0010	-.0045
11832	.300	6004.8	21.92	.03	1.6106	-.0028	-.0001	-.0011	.0023	-.0073
11833	.300	6022.5	23.84	.13	1.7716	-.0049	.0190	.0011	.0018	-.0105
11834	.300	6037.7	25.92	.05	1.9296	-.0082	.0533	.0027	.0000	-.0075
11835	.300	6028.6	27.62	.04	1.9692	-.0094	.1094	.0175	-.0051	-.0038
11836	.300	6018.8	29.76	.05	1.9762	-.0108	.1776	.0025	-.0039	-.0028
11837	.300	6010.0	31.73	.02	2.0468	-.0121	.1992	.0009	-.0011	-.0064
11838	.298	5955.3	33.58	-.00	2.0992	-.0120	.2086	-.0001	.0009	-.0091
11839	.301	6072.9	35.70	.01	2.1743	-.0141	.2259	.0006	-.0009	-.0097
11840	.301	6039.5	37.74	.08	2.2104	-.0162	.2509	-.0003	-.0006	-.0116
11841	.300	6027.5	39.55	.05	2.2473	-.0185	.2683	.0005	-.0036	-.0096
11842	.300	6009.0	41.87	.12	2.2816	-.0221	.2806	.0004	-.0029	-.0172
11843	.300	6037.6	-.43	-.01	-.0210	.0195	.0050	.0012	-.0011	.0104

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7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 49		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
11818	.300	6037.5	-4.43	-0.01	-0.0050	.0067	-0.0050	.0001	.0003	.0002	.0002
11819	.300	6031.6	-4.06	-0.07	-0.0571	.0111	-0.0498	.0001	.0007	.0006	.0005
11820	.300	6032.8	-1.86	-0.03	-0.0224	.0076	-0.0207	.0001	.0003	.0001	.0004
11821	.301	6045.0	-0.60	-0.01	-0.0020	.0075	-0.0024	.0001	.0002	-0.0000	.0003
11822	.301	6048.2	1.94	.02	.0314	.0084	.0277	.0002	.0002	-0.0001	.0003
11823	.301	6044.2	3.99	.06	.0695	.0121	.0592	.0002	-0.0001	-0.0005	.0004
11824	.301	6041.3	5.81	.09	.1087	.0181	.0919	.0002	-0.0003	-0.0007	.0005
11825	.300	6027.7	7.96	.12	.1571	.0285	.1325	.0003	-0.0003	-0.0006	.0009
11826	.301	6063.9	9.73	.16	.1979	.0398	.1675	.0002	-0.0006	-0.0011	.0012
11827	.300	6024.2	11.98	.17	.2466	.0567	.2096	.0002	-0.0005	-0.0010	.0018
11828	.300	6022.6	13.88	.22	.3040	.0790	.2600	.0000	-0.0009	-0.0016	.0026
11829	.300	6017.8	15.75	.25	.3471	.1003	.2983	-0.0001	-0.0011	-0.0020	.0033
11830	.300	6026.6	17.72	.26	.4015	.1293	.3474	-0.0002	-0.0013	-0.0023	.0045
11831	.300	6019.6	19.81	.34	.4695	.1687	.4103	-0.0004	-0.0017	-0.0031	.0063
11832	.300	6004.8	21.92	.31	.5168	.2054	.4570	-0.0006	-0.0017	-0.0031	.0078
11833	.300	6022.5	23.84	.43	.5720	.2487	.5131	-0.0007	-0.0022	-0.0043	.0093
11834	.300	6037.7	25.92	.37	.6288	.2996	.5732	-0.0009	-0.0020	-0.0041	.0110
11835	.300	6028.6	27.61	.39	.6636	.3382	.6152	-0.0011	-0.0024	-0.0053	.0124
11836	.300	6018.8	29.75	.42	.6899	.3823	.6593	-0.0013	-0.0026	-0.0060	.0121
11837	.300	6010.0	31.73	.42	.7024	.4200	.6959	-0.0012	-0.0027	-0.0061	.0115
11838	.298	5955.3	33.58	.41	.7042	.4508	.7213	-0.0016	-0.0028	-0.0061	.0121
11839	.301	6072.9	35.69	.44	.7153	.4949	.7578	-0.0023	-0.0035	-0.0075	.0131
11840	.301	6039.5	37.73	.54	.7178	.5320	.7871	-0.0028	-0.0037	-0.0079	.0134
11841	.300	6027.5	39.55	.53	.7162	.5645	.8118	-0.0034	-0.0046	-0.0097	.0125
11842	.300	6009.0	41.87	.62	.7054	.6008	.8350	-0.0044	-0.0059	-0.0124	.0112
11843	.300	6037.6	-4.43	-0.01	-0.0038	.0068	-0.0039	.0001	.0003	.0004	.0001

TEST TP	24 MACH	Q PA	RUN 49		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
11818	.300	6037.5	-4.43	-0.01	-0.0050	.0066	-0.0050	.0001	.0003	.0002	.0000
11819	.300	6031.6	-4.06	-0.07	-0.0577	.0070	-0.0498	.0001	.0007	.0006	.0001
11820	.300	6032.8	-1.86	-0.03	-0.0226	.0069	-0.0207	.0001	.0003	.0001	.0001
11821	.301	6045.0	-0.60	-0.01	-0.0021	.0075	-0.0024	.0001	.0002	-0.0000	.0001
11822	.301	6048.2	1.94	.02	.0316	.0073	.0277	.0002	.0002	-0.0001	.0001
11823	.301	6044.2	3.99	.06	.0701	.0072	.0592	.0002	-0.0001	-0.0005	.0001
11824	.301	6041.3	5.81	.09	.1100	.0070	.0919	.0002	-0.0003	-0.0007	.0001
11825	.300	6027.7	7.96	.12	.1595	.0065	.1325	.0003	-0.0003	-0.0006	.0002
11826	.301	6063.9	9.73	.16	.2018	.0058	.1675	.0003	-0.0005	-0.0011	.0002
11827	.300	6024.2	11.98	.17	.2530	.0043	.2096	.0003	-0.0005	-0.0010	.0004
11828	.300	6022.6	13.88	.22	.3140	.0038	.2600	.0002	-0.0009	-0.0016	.0006
11829	.300	6017.8	15.75	.25	.3613	.0023	.2983	.0002	-0.0011	-0.0020	.0007
11830	.300	6026.6	17.72	.26	.4218	.0010	.3474	.0002	-0.0013	-0.0023	.0011
11831	.300	6019.6	19.81	.34	.4989	-0.0004	.4103	.0002	-0.0017	-0.0031	.0015
11832	.300	6004.8	21.92	.31	.5561	-0.0024	.4570	.0001	-0.0018	-0.0031	.0019
11833	.300	6022.5	23.84	.43	.6237	-0.0037	.5131	.0002	-0.0023	-0.0043	.0023
11834	.300	6037.7	25.92	.37	.6966	-0.0054	.5732	.0001	-0.0022	-0.0041	.0027
11835	.300	6028.6	27.61	.39	.7448	-0.0080	.6152	.0002	-0.0026	-0.0053	.0030
11836	.300	6018.8	29.75	.42	.7887	-0.0104	.6593	.0002	-0.0029	-0.0060	.0029
11837	.300	6010.0	31.73	.42	.8183	-0.0121	.6959	.0004	-0.0030	-0.0061	.0027
11838	.298	5955.3	33.58	.41	.8360	-0.0139	.7213	.0002	-0.0032	-0.0061	.0028
11839	.301	6072.9	35.69	.44	.8697	-0.0154	.7578	.0002	-0.0041	-0.0075	.0030
11840	.301	6039.5	37.73	.54	.8933	-0.0186	.7871	.0001	-0.0046	-0.0079	.0031
11841	.300	6027.5	39.55	.53	.9117	-0.0208	.8118	.0003	-0.0057	-0.0097	.0029
11842	.300	6009.0	41.87	.62	.9262	-0.0234	.8350	.0006	-0.0073	-0.0124	.0025
11843	.300	6037.6	-4.43	-0.01	-0.0039	.0067	-0.0039	.0001	.0003	.0004	.0000

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 51		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
11875	.800	29846.6	-54	-01	-.0335	.0169	.0067	.0018	-.0011	.0041	.0062
11876	.802	29928.6	-3.93	-01	-.2396	.0309	.0310	.0019	-.0009	.0061	.0062
11877	.801	29867.4	-2.01	-01	-.0962	.0198	.0148	.0017	-.0010	.0057	.0063
11878	.800	29799.5	-.72	-01	-.0245	.0173	.0053	.0016	-.0010	.0055	.0062
11879	.799	29746.0	2.14	-02	.1248	.0207	-.0135	.0020	-.0010	.0048	.0060
11880	.798	29738.7	3.96	-02	.2634	.0323	-.0290	.0014	-.0008	.0043	.0063
11881	.797	29676.5	5.95	-02	.4098	.0556	-.0466	.0006	-.0006	.0036	.0065
11882	.799	29771.8	8.02	-02	.5746	.0923	-.0678	.0019	-.0006	.0030	.0073
11883	.800	29835.0	10.03	-01	.7141	.1369	-.0785	.0016	-.0002	.0012	.0079
11884	.798	29742.9	12.06	.01	.8335	.1884	-.0676	.0017	-.0003	.0003	.0082
11885	.800	29820.9	13.97	-05	.9387	.2447	-.0591	.0011	.0009	-.0015	.0083
11886	.800	29797.6	16.19	.02	1.1002	.3304	-.0791	.0004	.0008	-.0026	.0091
11887	.799	29773.7	18.24	.03	1.2473	.4211	-.0919	.0010	.0009	-.0041	.0093
11888	.795	29597.9	20.09	.02	1.3424	.4987	-.0792	.0029	.0010	-.0071	.0096
11889	.799	29744.2	22.17	.04	1.4697	.6053	-.0746	.0027	-.0004	-.0059	.0101
11890	.801	29927.5	-.60	-01	-.0349	.0169	.0064	.0018	-.0005	.0038	.0064

TEST TP	24 MACH	Q PA	RUN 51		CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
11875	.800	29846.6	-54	-01	-.0337	.0166	.0067	.0018	-.0011	.0041
11876	.802	29928.6	-3.93	-01	-.2412	.0144	.0310	.0018	-.0010	.0061
11877	.801	29867.4	-2.01	-01	-.0969	.0164	.0148	.0017	-.0011	.0057
11878	.800	29799.5	-.72	-01	-.0247	.0169	.0053	.0016	-.0010	.0055
11879	.799	29746.0	2.14	-02	.1255	.0160	-.0135	.0020	-.0010	.0048
11880	.798	29738.7	3.96	-02	.2650	.0140	-.0290	.0014	-.0007	.0043
11881	.797	29676.5	5.95	-02	.4134	.0128	-.0466	.0007	-.0006	.0036
11882	.799	29771.8	8.02	-02	.5818	.0112	-.0678	.0018	-.0003	.0030
11883	.800	29835.0	10.03	-01	.7271	.0105	-.0785	.0016	.0001	.0012
11884	.798	29742.9	12.06	.01	.8545	.0100	-.0676	.0017	.0000	.0003
11885	.800	29820.9	13.97	-05	.9700	.0109	-.0591	.0009	.0011	-.0015
11886	.800	29797.6	16.19	.02	1.1487	.0105	-.0791	.0001	.0009	-.0026
11887	.799	29773.7	18.24	.03	1.3164	.0096	-.0919	.0007	.0012	-.0041
11888	.795	29597.9	20.09	.02	1.4320	.0072	-.0792	.0023	.0019	-.0071
11889	.799	29744.2	22.17	.04	1.5894	.0059	-.0746	.0027	.0006	-.0059
11890	.801	29927.5	-.60	-01	-.0351	.0165	.0064	.0018	-.0006	.0038

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 51		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDC2
			ALPHA2 DEG	BETA2 DEG							
11875	.800	29846.6	-54	-02	-.0060	.0057	-.0063	.0001	.0003	.0002	.0002
11876	.802	29928.6	-3.93	-06	-.0573	.0091	-.0505	.0002	.0004	.0004	.0005
11877	.801	29867.4	-2.01	-04	-.0205	.0063	-.0195	.0002	.0003	.0003	.0004
11878	.800	29799.5	-.72	-02	-.0043	.0059	-.0047	.0001	.0003	.0003	.0003
11879	.799	29746.0	2.14	.01	.0295	.0070	.0258	.0002	.0003	.0001	.0003
11880	.798	29738.7	3.96	.03	.0668	.0103	.0567	.0004	.0003	.0002	.0005
11881	.797	29676.5	5.95	.05	.1075	.0167	.0900	.0004	.0003	.0002	.0006
11882	.799	29771.8	8.02	.08	.1530	.0263	.1282	.0005	.0003	.0002	.0011
11883	.800	29835.0	10.03	.12	.1950	.0385	.1637	.0004	.0001	-.0002	.0016
11884	.798	29742.9	12.06	.17	.2406	.0544	.2036	.0004	-.0002	-.0004	.0025
11885	.800	29820.9	13.97	.12	.2815	.0719	.2402	.0003	-.0002	-.0003	.0035
11886	.800	29797.6	16.19	.23	.3274	.0945	.2831	.0002	-.0006	-.0018	.0058
11887	.799	29773.7	18.24	.26	.3634	.1162	.3222	-.0002	-.0015	-.0060	.0077
11888	.795	29597.9	20.09	.27	.3881	.1365	.3535	-.0003	-.0015	-.0057	.0092
11889	.799	29744.2	22.17	.32	.4221	.1642	.3959	-.0002	-.0011	-.0043	.0111
11890	.801	29927.5	-.60	-02	-.0060	.0054	-.0064	.0001	.0004	.0005	.0003

TEST TP	24 MACH	Q PA	RUN 51		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
11875	.800	29846.6	-54	-02	-.0061	.0056	-.0063	.0001	.0003	.0002	.0001
11876	.802	29928.6	-3.93	-06	-.0578	.0051	-.0505	.0002	.0004	.0004	.0001
11877	.801	29867.4	-2.01	-04	-.0207	.0056	-.0195	.0002	.0003	.0003	.0001
11878	.800	29799.5	-.72	-02	-.0043	.0058	-.0047	.0001	.0003	.0003	.0001
11879	.799	29746.0	2.14	.01	.0298	.0059	.0258	.0002	.0003	.0001	.0001
11880	.798	29738.7	3.96	.03	.0674	.0057	.0567	.0004	.0003	.0002	.0001
11881	.797	29676.5	5.95	.05	.1086	.0055	.0900	.0004	.0003	.0002	.0001
11882	.799	29771.8	8.02	.08	.1552	.0046	.1282	.0004	.0004	.0002	.0002
11883	.800	29835.0	10.03	.12	.1987	.0040	.1637	.0004	.0002	-.0002	.0004
11884	.798	29742.9	12.06	.17	.2467	.0029	.2036	.0004	-.0001	-.0004	.0006
11885	.800	29820.9	13.97	.12	.2905	.0018	.2402	.0004	-.0001	-.0003	.0009
11886	.800	29797.6	16.19	.23	.3408	-.0005	.2831	.0003	-.0006	-.0018	.0015
11887	.799	29773.7	18.24	.26	.3815	-.0033	.3222	.0003	-.0015	-.0060	.0020
11888	.795	29597.9	20.09	.27	.4113	-.0051	.3535	.0002	-.0015	-.0057	.0024
11889	.799	29744.2	22.17	.32	.4528	-.0072	.3959	.0002	-.0011	-.0043	.0029
11890	.801	29927.5	-.60	-02	-.0060	.0053	-.0064	.0001	.0004	.0005	.0001

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24		RUN 56		CL	CD	CMS	CRMS	CYMS	CYS	CDC
	MACH	Q PA	ALPHA DEG	BETA DEG							
11952	.701	25303.0	-4.45	-0.00	-.0029	.0115	-.0060	.0007	-.0012	.0035	.0065
11953	.699	25215.5	-3.89	.00	-.0446	.0154	-.0432	.0007	-.0007	.0033	.0063
11954	.699	25206.0	-2.06	-0.00	-.0185	.0126	-.0203	.0007	-.0011	.0042	.0065
11955	.701	25321.5	-.63	-0.01	-.0010	.0118	-.0044	.0007	-.0013	.0048	.0066
11956	.701	25274.7	1.83	-0.01	.0278	.0126	.0229	.0007	-.0013	.0050	.0065
11957	.700	25241.2	4.02	-0.01	.0637	.0157	.0522	.0008	-.0013	.0057	.0071
11958	.699	25219.4	6.11	-0.03	.0980	.0210	.0795	.0006	-.0014	.0061	.0075
11959	.701	25282.5	7.87	-0.03	.1332	.0286	.1075	.0005	-.0014	.0062	.0078
11960	.701	25286.2	10.00	-0.02	.1779	.0410	.1436	.0005	-.0017	.0069	.0082
11961	.700	25244.8	12.05	-0.01	.2219	.0566	.1827	.0003	-.0016	.0067	.0083
11962	.701	25288.1	13.91	-0.01	.2520	.0709	.2116	.0001	-.0016	.0066	.0085
11963	.699	25212.1	15.79	.00	.2942	.0911	.2512	-.0000	-.0016	.0067	.0088
11964	.706	25545.2	17.94	.00	.3409	.1175	.2932	-.0002	-.0011	.0060	.0093
11965	.701	25290.3	-.43	-0.02	-.0011	.0118	-.0054	.0007	-.0013	.0067	.0065

TEST TP	24		RUN 56		CN	CA	CM	CRM	CYM	CY
	MACH	Q PA	ALPHA DEG	BETA DEG						
11952	.701	25303.0	-4.45	-0.00	-.0030	.0115	-.0060	.0007	-.0012	.0035
11953	.699	25215.5	-3.89	.00	-.0455	.0123	-.0432	.0006	-.0007	.0033
11954	.699	25206.0	-2.06	-0.00	-.0189	.0120	-.0203	.0007	-.0011	.0042
11955	.701	25321.5	-.63	-0.01	-.0012	.0118	-.0044	.0007	-.0013	.0048
11956	.701	25274.7	1.83	-0.01	.0282	.0117	.0229	.0008	-.0013	.0050
11957	.700	25241.2	4.02	-0.01	.0646	.0112	.0522	.0009	-.0012	.0057
11958	.699	25219.4	6.11	-0.03	.0997	.0105	.0795	.0008	-.0013	.0061
11959	.701	25282.5	7.87	-0.03	.1358	.0101	.1075	.0007	-.0013	.0062
11960	.701	25286.2	10.00	-0.02	.1823	.0095	.1436	.0007	-.0016	.0069
11961	.700	25244.8	12.05	-0.01	.2288	.0090	.1827	.0006	-.0015	.0067
11962	.701	25288.1	13.91	-0.01	.2617	.0083	.2116	.0005	-.0015	.0066
11963	.699	25212.1	15.79	.00	.3079	.0076	.2512	.0004	-.0015	.0067
11964	.706	25545.2	17.94	.00	.3605	.0068	.2932	.0002	-.0011	.0060
11965	.701	25290.3	-.43	-0.02	-.0012	.0118	-.0054	.0007	-.0013	.0067

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24		RUN 56		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDC2
	MACH	Q PA	ALPHA2 DEG	BETA2 DEG							
11952	.701	25303.0	-4.45	-0.01	-.0041	.0069	-.0041	.0003	.0003	.0001	.0013
11953	.699	25215.5	-3.89	-0.05	-.0433	.0095	-.0409	.0003	.0005	.0004	.0016
11954	.699	25206.0	-2.06	-0.03	-.0187	.0077	-.0183	.0003	.0005	.0004	.0013
11955	.701	25321.5	-.63	-0.02	-.0026	.0071	-.0027	.0003	.0005	.0003	.0013
11956	.701	25274.7	1.83	.01	.0249	.0077	.0242	.0004	.0004	.0000	.0013
11957	.700	25241.2	4.02	.04	.0577	.0105	.0538	.0006	.0003	.0001	.0015
11958	.699	25219.4	6.11	.05	.0888	.0154	.0817	.0005	.0002	.0001	.0016
11959	.701	25282.5	7.87	.07	.1202	.0218	.1106	.0004	.0002	.0001	.0019
11960	.701	25286.2	10.00	.11	.1599	.0325	.1479	.0004	.0001	-.0001	.0023
11961	.700	25244.8	12.05	.15	.2005	.0462	.1870	.0004	.0000	-.0001	.0027
11962	.701	25288.1	13.91	.17	.2289	.0591	.2155	.0003	-.0001	-.0002	.0030
11963	.699	25212.1	15.79	.21	.2678	.0772	.2552	.0003	-.0002	-.0003	.0035
11964	.706	25545.2	17.94	.23	.3092	.1005	.2991	.0003	-.0003	-.0005	.0043
11965	.701	25290.3	-.43	-0.02	-.0037	.0070	-.0038	.0003	.0006	.0005	.0013

TEST TP	24		RUN 56		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
	MACH	Q PA	ALPHA2 DEG	BETA2 DEG							
11952	.701	25303.0	-4.45	-0.01	-.0042	.0069	-.0041	.0003	.0003	.0001	.0003
11953	.699	25215.5	-3.89	-0.05	-.0438	.0066	-.0409	.0003	.0005	.0004	.0004
11954	.699	25206.0	-2.06	-0.03	-.0189	.0070	-.0183	.0003	.0005	.0004	.0003
11955	.701	25321.5	-.63	-0.02	-.0027	.0071	-.0027	.0003	.0005	.0003	.0003
11956	.701	25274.7	1.83	.01	.0252	.0069	.0242	.0004	.0004	.0000	.0003
11957	.700	25241.2	4.02	.04	.0583	.0065	.0538	.0006	.0003	.0001	.0004
11958	.699	25219.4	6.11	.05	.0899	.0058	.0817	.0004	.0003	.0001	.0004
11959	.701	25282.5	7.87	.07	.1221	.0051	.1106	.0004	.0002	.0001	.0005
11960	.701	25286.2	10.00	.11	.1632	.0042	.1479	.0004	.0002	.0001	.0006
11961	.700	25244.8	12.05	.15	.2057	.0033	.1870	.0004	.0001	-.0001	.0007
11962	.701	25288.1	13.91	.17	.2364	.0024	.2155	.0004	-.0000	-.0002	.0007
11963	.699	25212.1	15.79	.21	.2787	.0014	.2552	.0003	-.0001	-.0003	.0009
11964	.706	25545.2	17.94	.23	.3251	.0003	.2991	.0004	-.0002	-.0005	.0011
11965	.701	25290.3	-.43	-0.02	-.0038	.0070	-.0038	.0003	.0006	.0005	.0003

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 57		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
11966	.500	15058.5	-.41	-.01	-.0007	.0122	-.0060	.0006	-.0011	.0084	.0062
11967	.500	15044.0	-4.06	.00	-.0461	.0164	-.0458	.0007	-.0007	.0070	.0061
11968	.501	15126.2	-1.89	-.01	-.0142	.0128	-.0183	.0006	-.0011	.0073	.0062
11969	.500	15077.2	-.61	-.01	.0006	.0123	-.0041	.0006	-.0011	.0074	.0063
11970	.501	15118.6	1.98	-.01	.0303	.0129	.0235	.0007	-.0011	.0071	.0064
11971	.501	15106.1	3.86	-.02	.0608	.0155	.0489	.0007	-.0012	.0075	.0068
11972	.499	15017.4	6.05	-.03	.1008	.0216	.0814	.0006	-.0013	.0075	.0073
11973	.501	15114.1	7.89	-.03	.1304	.0281	.1055	.0006	-.0014	.0072	.0074
11974	.499	15030.0	10.08	-.03	.1798	.0416	.1463	.0005	-.0015	.0073	.0078
11975	.502	15142.0	11.88	-.04	.2099	.0529	.1734	.0004	-.0016	.0071	.0079
11976	.502	15162.4	13.95	-.04	.2563	.0719	.2164	.0003	-.0016	.0066	.0084
11977	.500	15081.1	15.87	-.04	.2891	.0891	.2484	.0001	-.0014	.0063	.0087
11978	.499	15027.0	17.74	-.03	.3346	.1130	.2905	-.0000	-.0012	.0055	.0093
11979	.501	15105.6	19.90	-.05	.3699	.1380	.3235	-.0000	-.0011	.0054	.0099
11980	.501	15122.6	21.63	-.02	.4064	.1642	.3578	-.0003	-.0014	.0049	.0107
11981	.501	15100.0	23.41	-.05	.4388	.1912	.3920	-.0004	-.0015	.0043	.0117
11982	.501	15116.8	25.85	-.05	.4886	.2347	.4442	-.0008	-.0021	.0056	.0131
11983	.501	15135.0	27.79	-.04	.5153	.2672	.4782	-.0008	-.0016	.0046	.0137
11984	.500	15084.0	-.45	-.01	-.0028	.0120	-.0055	.0006	-.0009	.0054	.0063

TEST TP	24 MACH	Q PA	RUN 57		CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
11966	.500	15058.5	-.41	-.01	-.0008	.0122	-.0060	.0006	-.0011	.0084
11967	.500	15044.0	-4.06	.00	-.0471	.0131	-.0458	.0006	-.0007	.0070
11968	.501	15126.2	-1.89	-.01	-.0146	.0124	-.0183	.0006	-.0011	.0073
11969	.500	15077.2	-.61	-.01	.0005	.0123	-.0041	.0006	-.0011	.0074
11970	.501	15118.6	1.98	-.01	.0308	.0119	.0235	.0007	-.0011	.0071
11971	.501	15106.1	3.86	-.02	.0617	.0113	.0489	.0008	-.0012	.0075
11972	.499	15017.4	6.05	-.03	.1025	.0109	.0814	.0007	-.0012	.0075
11973	.501	15114.1	7.89	-.03	.1330	.0100	.1055	.0008	-.0013	.0072
11974	.499	15030.0	10.08	-.03	.1843	.0095	.1463	.0007	-.0014	.0073
11975	.502	15142.0	11.88	-.04	.2163	.0085	.1734	.0007	-.0015	.0071
11976	.502	15162.4	13.95	-.04	.2661	.0079	.2164	.0006	-.0015	.0066
11977	.500	15081.1	15.87	-.04	.3025	.0067	.2484	.0005	-.0013	.0063
11978	.499	15027.0	17.74	-.03	.3531	.0057	.2905	.0003	-.0011	.0055
11979	.501	15105.6	19.90	-.05	.3948	.0039	.3235	.0003	-.0010	.0054
11980	.501	15122.6	21.63	-.02	.4383	.0028	.3578	.0002	-.0015	.0049
11981	.501	15100.0	23.41	-.05	.4786	.0012	.3920	.0002	-.0016	.0043
11982	.501	15116.8	25.85	-.05	.5420	-.0018	.4442	.0002	-.0022	.0056
11983	.501	15135.0	27.79	-.04	.5805	-.0038	.4782	.0001	-.0018	.0046
11984	.500	15084.0	-.45	-.01	-.0029	.0119	-.0055	.0006	-.0009	.0054

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 57		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDC2
			ALPHA2 DEG	BETA2 DEG							
11966	.500	15058.5	-.41	-.02	-.0044	.0074	-.0045	.0002	.0006	.0008	.0009
11967	.500	15044.0	-4.06	-.05	-.0466	.0103	-.0439	.0003	.0007	.0008	.0013
11968	.501	15126.2	-1.89	-.03	-.0165	.0078	-.0164	.0002	.0006	.0007	.0010
11969	.500	15077.2	-.61	-.02	-.0022	.0075	-.0023	.0002	.0005	.0005	.0009
11970	.501	15118.6	1.98	.01	.0258	.0080	.0250	.0004	.0004	.0003	.0010
11971	.501	15106.1	3.86	.03	.0542	.0105	.0508	.0005	.0004	.0003	.0011
11972	.499	15017.4	6.05	.05	.0909	.0158	.0842	.0004	.0003	.0003	.0012
11973	.501	15114.1	7.89	.08	.1175	.0217	.1090	.0005	.0003	.0004	.0012
11974	.499	15030.0	10.08	.10	.1618	.0333	.1510	.0004	.0002	.0002	.0017
11975	.502	15142.0	11.87	.12	.1896	.0434	.1782	.0004	.0001	.0002	.0020
11976	.502	15162.4	13.95	.14	.2328	.0604	.2210	.0005	.0001	.0001	.0024
11977	.500	15081.1	15.87	.16	.2634	.0763	.2527	.0004	-.0000	-.0001	.0026
11978	.499	15027.0	17.74	.20	.3047	.0978	.2960	.0003	-.0002	-.0004	.0033
11979	.501	15105.6	19.90	.20	.3351	.1202	.3310	.0003	-.0001	-.0002	.0039
11980	.501	15122.6	21.63	.25	.3658	.1427	.3673	.0001	-.0004	-.0006	.0046
11981	.501	15100.0	23.41	.25	.3941	.1667	.4013	.0001	-.0005	-.0007	.0053
11982	.501	15116.8	25.85	.27	.4372	.2055	.4538	.0001	-.0006	-.0010	.0062
11983	.501	15135.0	27.78	.31	.4608	.2350	.4870	.0001	-.0008	-.0016	.0062
11984	.500	15084.0	-.45	-.01	-.0040	.0073	-.0041	.0003	.0006	.0006	.0009

TEST TP	24 MACH	Q PA	RUN 57		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
11966	.500	15058.5	-.41	-.02	-.0045	.0073	-.0045	.0002	.0006	.0008	.0002
11967	.500	15044.0	-4.06	-.05	-.0472	.0069	-.0439	.0004	.0006	.0008	.0003
11968	.501	15126.2	-1.89	-.03	-.0168	.0073	-.0164	.0003	.0006	.0007	.0003
11969	.500	15077.2	-.61	-.02	-.0023	.0074	-.0023	.0002	.0005	.0005	.0002
11970	.501	15118.6	1.98	.01	.0260	.0071	.0250	.0004	.0004	.0003	.0002
11971	.501	15106.1	3.86	.03	.0548	.0068	.0508	.0005	.0004	.0003	.0003
11972	.499	15017.4	6.05	.05	.0921	.0062	.0842	.0004	.0003	.0003	.0003
11973	.501	15114.1	7.89	.08	.1194	.0054	.1090	.0004	.0004	.0004	.0003
11974	.499	15030.0	10.08	.10	.1652	.0044	.1510	.0004	.0003	.0002	.0004
11975	.502	15142.0	11.87	.12	.1945	.0034	.1782	.0004	.0002	.0002	.0005
11976	.502	15162.4	13.95	.14	.2405	.0024	.2210	.0004	.0002	.0001	.0006
11977	.500	15081.1	15.87	.16	.2743	.0014	.2527	.0004	.0001	-.0001	.0006
11978	.499	15027.0	17.74	.20	.3200	.0003	.2960	.0004	-.0001	-.0004	.0008
11979	.501	15105.6	19.90	.20	.3560	-.0011	.3310	.0003	-.0000	-.0002	.0009
11980	.501	15122.6	21.63	.25	.3927	-.0022	.3673	.0002	-.0004	-.0006	.0011
11981	.501	15100.0	23.41	.25	.4279	-.0036	.4013	.0003	-.0004	-.0007	.0013
11982	.501	15116.8	25.85	.27	.4831	-.0057	.4538	.0003	-.0005	-.0010	.0015
11983	.501	15135.0	27.78	.31	.5172	-.0069	.4870	.0005	-.0006	-.0016	.0015
11984	.500	15084.0	-.45	-.01	-.0041	.0072	-.0041	.0003	.0006	.0006	.0002

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TEST TP	24 MACH	Q PA	RUN 58		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
11985	.301	6078.4	-4.5	-0.00	-.0034	.0127	-.0051	.0006	-.0007	.0055	.0060
11986	.301	6086.3	-3.96	-0.01	-.0461	.0178	-.0421	.0004	-.0004	.0037	.0060
11987	.301	6074.6	-1.95	-0.01	-.0179	.0142	-.0171	.0009	-.0006	.0027	.0060
11988	.301	6072.0	-.61	-0.00	-.0024	.0133	-.0031	.0008	-.0007	.0022	.0060
11989	.301	6080.6	1.96	.00	.0226	.0122	.0200	.0010	-.0009	.0017	.0061
11990	.300	6061.2	3.84	.01	.0571	.0157	.0488	.0007	-.0010	.0022	.0066
11991	.300	6055.3	6.00	.01	.0895	.0195	.0764	.0005	-.0012	.0025	.0068
11992	.300	6059.5	7.98	.02	.1343	.0292	.1108	.0004	-.0010	.0020	.0071
11993	.301	6062.5	10.07	.03	.1752	.0406	.1460	.0004	-.0012	.0014	.0075
11994	.300	6052.0	11.74	.02	.2033	.0500	.1705	.0004	-.0011	.0012	.0078
11995	.300	6052.7	14.03	.03	.2476	.0681	.2128	.0002	-.0013	.0005	.0085
11996	.300	6051.3	15.89	.03	.2847	.0861	.2490	.0002	-.0013	.0004	.0090
11997	.300	6058.6	17.89	.03	.3244	.1082	.2864	.0001	-.0009	-.0011	.0097
11998	.300	6051.7	19.84	.06	.3705	.1361	.3287	.0000	-.0013	-.0018	.0104
11999	.300	6052.5	21.65	.07	.4060	.1615	.3633	.0001	-.0010	-.0024	.0111
12000	.300	6030.3	23.85	.10	.4474	.1954	.4076	-.0000	-.0017	-.0031	.0124
12001	.301	6062.9	25.63	.11	.4789	.2256	.4422	-.0001	-.0023	-.0037	.0135
12002	.300	6044.3	27.82	.10	.4968	.2561	.4758	-.0002	-.0009	-.0045	.0138
12003	.301	6075.8	29.77	.08	.5099	.2832	.5000	-.0002	-.0006	-.0046	.0141
12004	.300	6054.2	31.54	.09	.5245	.3129	.5265	-.0004	-.0000	-.0039	.0141
12005	.300	6030.3	33.74	.08	.5465	.3527	.5611	-.0005	-.0011	-.0043	.0142
12006	.300	6024.5	35.67	.09	.5586	.3843	.5840	-.0009	-.0016	-.0025	.0144
12007	.300	6048.2	37.58	.14	.5788	.4259	.6169	-.0013	-.0022	-.0035	.0147
12008	.300	6048.0	39.51	.09	.5919	.4651	.6422	-.0018	-.0026	-.0025	.0148
12009	.300	6049.4	41.72	.07	.6008	.5069	.6641	-.0030	-.0040	-.0030	.0152
12010	.301	6072.1	43.48	.07	.6081	.5436	.6870	-.0042	-.0053	-.0043	.0155
12011	.299	6018.5	45.74	.13	.6164	.5940	.7155	-.0070	-.0072	-.0102	.0158
12012	.301	6078.2	47.41	.09	.6145	.6251	.7289	-.0071	-.0065	-.0072	.0159
12013	.301	6079.7	-.44	.00	-.0084	.0127	-.0047	.0005	-.0005	-.0023	.0060

TEST TP	24 MACH	C PA	RUN 58		CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
11985	.301	6078.4	-4.5	-0.00	-.0035	.0126	-.0051	.0006	-.0007	.0055
11986	.301	6086.3	-3.96	-0.01	-.0472	.0146	-.0421	.0004	-.0004	.0037
11987	.301	6074.6	-1.95	-0.01	-.0184	.0136	-.0171	.0008	-.0007	.0027
11988	.301	6072.0	-.61	-0.00	-.0025	.0133	-.0031	.0008	-.0007	.0022
11989	.301	6080.6	1.96	.00	.0230	.0115	.0200	.0010	-.0009	.0017
11990	.300	6061.2	3.84	.01	.0581	.0119	.0488	.0007	-.0010	.0022
11991	.300	6055.3	6.00	.01	.0910	.0100	.0764	.0006	-.0012	.0025
11992	.300	6059.5	7.98	.02	.1370	.0103	.1108	.0006	-.0009	.0020
11993	.301	6062.5	10.07	.03	.1796	.0094	.1460	.0006	-.0011	.0014
11994	.300	6052.0	11.74	.02	.2093	.0075	.1705	.0006	-.0010	.0012
11995	.300	6052.7	14.03	.03	.2567	.0061	.2128	.0005	-.0012	.0005
11996	.300	6051.3	15.89	.03	.2974	.0049	.2490	.0006	-.0012	.0004
11997	.300	6058.6	17.89	.03	.3419	.0033	.2864	.0004	-.0008	-.0011
11998	.300	6051.7	19.84	.06	.3947	.0023	.3287	.0005	-.0012	-.0018
11999	.300	6052.5	21.65	.07	.4369	.0003	.3633	.0005	-.0009	-.0024
12000	.300	6030.3	23.85	.10	.4883	-.0022	.4076	.0007	-.0016	-.0031
12001	.301	6062.9	25.63	.11	.5294	-.0038	.4422	.0009	-.0021	-.0037
12002	.300	6044.3	27.82	.10	.5589	-.0054	.4758	.0002	-.0009	-.0045
12003	.301	6075.8	29.77	.08	.5832	-.0073	.5000	.0001	-.0006	-.0046
12004	.300	6054.2	31.54	.08	.6107	-.0077	.5265	-.0003	-.0003	-.0039
12005	.300	6030.3	33.74	.08	.6504	-.0102	.5611	.0002	-.0012	-.0043
12006	.300	6024.5	35.67	.09	.6779	-.0135	.5840	.0002	-.0019	-.0025
12007	.300	6048.2	37.58	.14	.7184	-.0154	.6169	.0004	-.0025	-.0035
12008	.300	6048.0	39.51	.09	.7525	-.0178	.6422	.0003	-.0031	-.0025
12009	.300	6049.4	41.72	.07	.7858	-.0215	.6641	.0004	-.0049	-.0030
12010	.301	6072.1	43.48	.07	.8153	-.0239	.6870	.0006	-.0067	-.0043
12011	.299	6018.5	45.74	.13	.8556	-.0270	.7155	.0003	-.0100	-.0102
12012	.301	6078.2	47.41	.09	.8761	-.0294	.7289	-.0000	-.0097	-.0072
12013	.301	6079.7	-.44	.00	-.0085	.0127	-.0047	.0005	-.0006	-.0023

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TEST 24		RUN 58									
TP	MACH	Q PA	ALPHA2 DEG	BETA2 DEG	CL2	CO2	CMS2	CRMS2	CYMS2	CYS2	CDB2
11985	.301	6078.4	-4.5	-.01	-.0037	.0075	-.0039	.0002	.0006	.0008	.0008
11986	.301	6086.3	-3.96	-.06	-.0426	.0107	-.0408	.0003	.0006	.0005	.0010
11987	.301	6074.6	-1.95	-.03	-.0155	.0085	-.0154	.0002	.0003	.0003	.0008
11988	.301	6072.0	-.61	-.01	-.0015	.0080	-.0018	.0002	.0003	.0003	.0008
11989	.301	6080.6	1.96	.03	.0221	.0080	.0216	.0004	.0002	.0000	.0008
11990	.300	6061.2	3.84	.06	.0540	.0110	.0506	.0004	.0002	.0001	.0009
11991	.300	6055.3	6.00	.09	.0849	.0152	.0789	.0004	.0002	.0002	.0010
11992	.300	6059.5	7.98	.12	.1237	.0234	.1151	.0004	.0000	-.0001	.0011
11993	.301	6062.5	10.07	.16	.1609	.0336	.1508	.0004	.0001	.0001	.0013
11994	.300	6052.0	11.74	.17	.1863	.0425	.1756	.0004	-.0000	-.0000	.0017
11995	.300	6052.7	14.03	.21	.2279	.0595	.2171	.0003	-.0002	-.0004	.0019
11996	.300	6051.3	15.89	.24	.2632	.0764	.2534	.0003	-.0003	-.0005	.0021
11997	.300	6058.6	17.89	.26	.2986	.0966	.2909	.0002	-.0005	-.0009	.0025
11998	.300	6051.7	19.84	.32	.3394	.1211	.3355	.0001	-.0007	-.0012	.0031
11999	.300	6052.5	21.65	.34	.3701	.1442	.3711	-.0000	-.0008	-.0012	.0035
12000	.300	6030.3	23.85	.40	.4069	.1755	.4152	-.0001	-.0009	-.0015	.0039
12001	.301	6062.9	25.63	.44	.4349	.2036	.4510	-.0001	-.0009	-.0019	.0034
12002	.300	6044.3	27.82	.45	.4473	.2304	.4820	-.0002	-.0005	-.0011	.0018
12003	.301	6075.8	29.77	.46	.4570	.2552	.5054	-.0002	-.0004	-.0012	.0019
12004	.300	6054.2	31.53	.47	.4674	.2799	.5295	-.0002	-.0004	-.0011	.0020
12005	.300	6030.3	33.73	.50	.4858	.3133	.5623	-.0003	-.0010	-.0022	.0043
12006	.300	6024.5	35.66	.53	.4950	.3390	.5848	-.0005	-.0012	-.0026	.0074
12007	.300	6048.2	37.57	.60	.5105	.3732	.6173	-.0007	-.0015	-.0031	.0077
12008	.300	6048.0	39.51	.57	.5190	.4051	.6434	-.0009	-.0015	-.0031	.0074
12009	.300	6049.4	41.72	.56	.5219	.4386	.6675	-.0017	-.0026	-.0055	.0072
12010	.301	6072.1	43.47	.59	.5272	.4696	.6930	-.0028	-.0038	-.0086	.0066
12011	.299	6018.5	45.74	.66	.5305	.5092	.7258	-.0053	-.0063	-.0151	.0055
12012	.301	6078.2	47.41	.64	.5261	.5328	.7426	-.0054	-.0058	-.0138	.0047
12013	.301	6079.7	-.44	-.00	-.0044	.0075	-.0046	.0003	.0000	-.0003	.0008

TEST 24		RUN 58									
TP	MACH	Q PA	ALPHA2 DEG	BETA2 DEG	CN2	CA2	CH2	CRM2	CYM2	CY2	CDC2
11985	.301	6078.4	-4.5	-.01	-.0037	.0074	-.0039	.0002	.0006	.0008	.0002
11986	.301	6086.3	-3.96	-.06	-.0433	.0078	-.0408	.0004	.0006	.0005	.0003
11987	.301	6074.6	-1.95	-.03	-.0158	.0080	-.0154	.0003	.0003	.0003	.0002
11988	.301	6072.0	-.61	-.01	-.0016	.0080	-.0018	.0002	.0003	.0003	.0002
11989	.301	6080.6	1.96	.03	.0224	.0072	.0216	.0004	.0003	.0000	.0002
11990	.300	6061.2	3.84	.06	.0546	.0074	.0506	.0004	.0002	.0001	.0002
11991	.300	6055.3	6.00	.09	.0860	.0063	.0789	.0004	.0003	.0002	.0003
11992	.300	6059.5	7.98	.12	.1257	.0060	.1151	.0004	.0001	-.0001	.0003
11993	.301	6062.5	10.07	.16	.1643	.0050	.1508	.0004	.0002	.0001	.0003
11994	.300	6052.0	11.74	.17	.1910	.0037	.1756	.0004	.0001	-.0000	.0004
11995	.300	6052.7	14.03	.21	.2355	.0025	.2171	.0004	-.0002	-.0004	.0005
11996	.300	6051.3	15.89	.24	.2741	.0014	.2534	.0004	-.0002	-.0005	.0005
11997	.300	6058.6	17.89	.26	.3139	.0002	.2909	.0003	-.0004	-.0009	.0006
11998	.300	6051.7	19.84	.32	.3604	-.0013	.3355	.0003	-.0006	-.0012	.0007
11999	.300	6052.5	21.65	.34	.3972	-.0025	.3711	.0003	-.0007	-.0012	.0008
12000	.300	6030.3	23.85	.40	.4431	-.0040	.4152	.0003	-.0009	-.0015	.0009
12001	.301	6062.9	25.63	.44	.4802	-.0046	.4510	.0003	-.0008	-.0019	.0008
12002	.300	6044.3	27.82	.45	.5031	-.0049	.4820	.0000	-.0005	-.0011	.0004
12003	.301	6075.8	29.77	.46	.5234	-.0054	.5054	.0000	-.0004	-.0012	.0004
12004	.300	6054.2	31.53	.47	.5447	-.0059	.5295	.0000	-.0005	-.0011	.0004
12005	.300	6030.3	33.73	.50	.5780	-.0093	.5623	.0003	-.0010	-.0022	.0010
12006	.300	6024.5	35.66	.53	.5998	-.0132	.5848	.0003	-.0013	-.0026	.0018
12007	.300	6048.2	37.57	.60	.6321	-.0155	.6173	.0004	-.0016	-.0031	.0019
12008	.300	6048.0	39.51	.57	.6581	-.0177	.6434	.0003	-.0017	-.0031	.0018
12009	.300	6049.4	41.72	.56	.6815	-.0200	.6675	.0005	-.0030	-.0055	.0018
12010	.301	6072.1	43.47	.59	.7057	-.0220	.6930	.0006	-.0047	-.0086	.0016
12011	.299	6018.5	45.74	.66	.7350	-.0245	.7258	.0008	-.0082	-.0151	.0013
12012	.301	6078.2	47.41	.64	.7463	-.0268	.7426	.0006	-.0079	-.0138	.0011
12013	.301	6079.7	-.44	-.00	-.0044	.0074	-.0046	.0003	.0000	-.0003	.0002

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 59		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
12029	.301	6064.1	-4.0	-0.00	-0.0128	.0191	.0048	.0010	-.0007	.0009	.0055
12030	.301	6067.9	-4.02	-0.01	-0.2286	.0323	.0484	.0012	-.0010	.0026	.0056
12031	.300	6055.3	-1.85	-0.01	-1.008	.0209	.0234	.0011	-.0011	.0018	.0056
12032	.301	6067.5	-4.0	-0.00	-0.0154	.0192	.0051	.0012	-.0008	.0011	.0056
12033	.301	6078.1	2.09	.00	.0922	.0197	-.0197	.0013	-.0005	.0002	.0055
12034	.301	6064.1	3.81	.00	.2074	.0291	-.0425	.0008	-.0004	-.0009	.0057
12035	.300	6051.9	6.04	-0.01	.3307	.0468	-.0649	.0010	-.0001	-.0005	.0058
12036	.300	6039.9	8.06	.01	.4868	.0793	-.0938	.0009	.0001	-.0022	.0061
12037	.300	6043.7	9.75	-0.01	.5812	.1078	-.1080	.0015	.0004	-.0029	.0061
12038	.300	6034.2	11.73	-0.01	.7222	.1554	-.1272	.0018	.0005	-.0044	.0063
12039	.300	6051.4	13.97	.02	.8955	.2263	-.1497	.0021	.0003	-.0065	.0072
12040	.300	6040.5	15.85	.04	1.0281	.2936	-.1632	.0011	.0007	-.0088	.0075
12041	.300	6049.5	17.71	-0.01	1.1238	.3570	-.1691	.0007	.0009	-.0091	.0071
12042	.299	6013.5	19.62	-0.00	1.2730	.4492	-.1748	.0013	.0011	-.0111	.0063
12043	.300	6047.5	21.83	-0.01	1.4129	.5572	-.1792	.0019	.0011	-.0118	.0060
12044	.300	6059.5	23.88	-0.05	1.5048	.6525	-.1790	.0000	.0023	-.0128	.0059
12045	.299	5996.2	25.74	-0.03	1.5850	.7494	-.1529	.0019	.0040	-.0183	.0057
12046	.302	6134.3	27.98	-0.03	1.6813	.8758	-.1434	.0026	-.0011	-.0176	.0061
12047	.300	6058.6	29.82	-0.02	1.7134	.9617	-.1192	.0022	.0026	-.0174	.0078
12048	.301	6066.0	31.86	-0.07	1.7190	1.0444	-.0951	.0023	.0031	-.0188	.0089
12049	.299	6019.8	33.61	-0.09	1.7543	1.1399	-.0699	.0036	-.0007	-.0173	.0093
12050	.299	6009.6	35.89	-0.10	1.7914	1.2660	-.0517	.0037	.0020	-.0193	.0093
12051	.301	6065.4	37.81	-0.04	1.7881	1.3537	-.0479	.0026	.0019	-.0180	.0094
12052	.300	6043.2	39.74	-0.07	1.7583	1.4287	-.0260	.0004	.0096	-.0184	.0107
12053	.301	6079.2	-.21	.00	-.0252	.0183	.0072	.0013	-.0007	.0018	.0055

TEST TP	24 MACH	Q PA	RUN 59		CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
12029	.301	6064.1	-4.0	-0.00	-.0130	.0191	.0048	.0010	-.0007	.0009
12030	.301	6067.9	-4.02	-0.01	-.2303	.0161	.0484	.0011	-.0011	.0026
12031	.300	6055.3	-1.85	-0.01	-.1014	.0176	.0234	.0010	-.0011	.0018
12032	.301	6067.5	-4.0	-0.00	-.0155	.0190	.0051	.0012	-.0008	.0011
12033	.301	6078.1	2.09	.00	.0928	.0164	-.0197	.0014	-.0005	.0002
12034	.301	6064.1	3.81	.00	.2089	.0152	-.0425	.0008	-.0004	-.0009
12035	.300	6051.9	6.04	-0.01	.3338	.0117	-.0649	.0010	-.0000	-.0005
12036	.300	6039.9	8.06	.01	.4931	.0103	-.0938	.0009	.0002	-.0022
12037	.300	6043.7	9.75	-0.01	.5911	.0078	-.1080	.0014	.0006	-.0029
12038	.300	6034.2	11.73	-0.01	.7387	.0053	-.1272	.0017	.0009	-.0044
12039	.300	6051.4	13.97	.02	.9236	.0035	-.1497	.0020	.0008	-.0065
12040	.300	6040.5	15.85	.04	1.0692	.0016	-.1632	.0008	.0010	-.0088
12041	.300	6049.5	17.71	-0.01	1.1791	-.0018	-.1691	.0004	.0011	-.0091
12042	.299	6013.5	19.62	-0.00	1.3499	-.0043	-.1748	.0008	.0014	-.0111
12043	.300	6047.5	21.83	-0.01	1.5188	-.0080	-.1792	.0014	.0017	-.0118
12044	.300	6059.5	23.88	-0.05	1.6401	-.0124	-.1790	-.0009	.0021	-.0128
12045	.299	5996.2	25.74	-0.03	1.7332	-.0132	-.1529	.0000	.0044	-.0183
12046	.302	6134.3	27.98	-0.03	1.8957	-.0153	-.1434	.0028	.0002	-.0176
12047	.300	6058.6	29.82	-0.02	1.9648	-.0175	-.1192	.0006	.0033	-.0174
12048	.301	6066.0	31.86	-0.07	2.0113	-.0201	-.0951	.0003	.0038	-.0188
12049	.299	6019.8	33.61	-0.09	2.0920	-.0216	-.0699	.0034	.0014	-.0173
12050	.299	6009.6	35.89	-0.10	2.1935	-.0245	-.0517	.0018	.0038	-.0193
12051	.301	6065.4	37.81	-0.04	2.2425	-.0267	-.0479	.0009	.0031	-.0180
12052	.300	6043.2	39.74	-0.07	2.2655	-.0256	-.0260	-.0058	.0076	-.0184
12053	.301	6079.2	-.21	.00	-.0253	.0182	.0072	.0012	-.0007	.0018



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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 59		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
12029	.301	6064.1	-4.0	-.01	-.0019	.0067	-.0015	.0002	.0001	-.0003	.0002
12030	.301	6067.9	-4.02	-.06	-.0593	.0160	-.0532	.0003	.0003	-.0002	.0007
12031	.300	6055.3	-1.85	-.03	-.0229	.0070	-.0216	.0003	.0004	.0001	.0004
12032	.301	6067.5	-4.0	-.01	-.0024	.0069	-.0022	.0002	.0001	-.0004	.0003
12033	.301	6078.1	2.09	.03	.0227	.0069	.0220	.0003	.0002	-.0003	.0003
12034	.301	6064.1	3.81	.05	.0542	.0100	.0496	.0004	.0000	-.0003	.0004
12035	.300	6051.9	6.04	.07	.0898	.0151	.0812	.0004	.0002	-.0001	.0004
12036	.300	6039.9	8.06	.11	.1353	.0243	.1224	.0004	.0000	-.0002	.0007
12037	.300	6043.7	9.75	.11	.1640	.0324	.1488	.0004	-.0000	-.0003	.0010
12038	.300	6034.2	11.73	.14	.2070	.0462	.1890	.0004	-.0001	-.0004	.0015
12039	.300	6051.4	13.97	.20	.2613	.0676	.2401	.0003	-.0005	-.0010	.0021
12040	.300	6040.5	15.85	.24	.3039	.0877	.2814	.0001	-.0008	-.0015	.0026
12041	.300	6049.5	17.71	.22	.3359	.1071	.3136	.0001	-.0008	-.0015	.0032
12042	.299	6013.5	19.62	.25	.3869	.1366	.3649	-.0001	-.0010	-.0018	.0042
12043	.300	6047.5	21.82	.27	.4371	.1721	.4180	-.0000	-.0008	-.0015	.0055
12044	.300	6059.5	23.87	.25	.4723	.2039	.4581	.0001	-.0005	-.0009	.0065
12045	.299	5996.2	25.74	.30	.5159	.2425	.5077	-.0003	-.0010	-.0019	.0077
12046	.302	6134.3	27.97	.32	.5582	.2889	.5615	-.0002	-.0015	-.0027	.0086
12047	.300	6058.6	29.81	.35	.5789	.3224	.5967	-.0004	-.0012	-.0027	.0086
12048	.301	6066.0	31.85	.32	.5924	.3567	.6259	-.0007	-.0014	-.0032	.0092
12049	.299	6019.8	33.61	.32	.6188	.3976	.6673	-.0008	-.0019	-.0044	.0102
12050	.299	6009.6	35.89	.34	.6444	.4486	.7134	-.0010	-.0017	-.0031	.0118
12051	.301	6065.4	37.81	.42	.6496	.4820	.7380	-.0013	-.0018	-.0032	.0123
12052	.300	6043.2	39.74	.40	.6579	.5206	.7708	-.0014	-.0019	-.0032	.0116
12053	.301	6079.2	-.21	-.00	-.0049	.0062	-.0046	.0003	.0004	.0000	.0002

TEST TP	24 MACH	Q PA	RUN 59		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
12029	.301	6064.1	-4.0	-.01	-.0020	.0067	-.0015	.0002	.0001	-.0003	.0000
12030	.301	6067.9	-4.02	-.06	-.0599	.0058	-.0532	.0003	.0002	-.0002	.0002
12031	.300	6055.3	-1.85	-.03	-.0232	.0063	-.0216	.0003	.0004	.0001	.0001
12032	.301	6067.5	-4.0	-.01	-.0025	.0068	-.0022	.0002	.0001	-.0004	.0001
12033	.301	6078.1	2.09	.03	.0230	.0061	.0220	.0003	.0002	-.0003	.0001
12034	.301	6064.1	3.81	.05	.0548	.0064	.0496	.0004	.0000	-.0003	.0001
12035	.300	6051.9	6.04	.07	.0909	.0055	.0812	.0004	.0002	-.0001	.0001
12036	.300	6039.9	8.06	.11	.1374	.0051	.1224	.0004	.0001	-.0002	.0002
12037	.300	6043.7	9.75	.11	.1671	.0042	.1488	.0004	.0000	-.0003	.0002
12038	.300	6034.2	11.73	.14	.2121	.0031	.1890	.0004	-.0000	-.0004	.0003
12039	.300	6051.4	13.97	.20	.2698	.0025	.2401	.0004	-.0004	-.0010	.0004
12040	.300	6040.5	15.85	.24	.3163	.0014	.2814	.0003	-.0007	-.0015	.0006
12041	.300	6049.5	17.71	.22	.3526	-.0001	.3136	.0003	-.0008	-.0015	.0007
12042	.299	6013.5	19.62	.25	.4103	-.0013	.3649	.0003	-.0009	-.0018	.0010
12043	.300	6047.5	21.82	.27	.4698	-.0027	.4180	.0003	-.0008	-.0015	.0013
12044	.300	6059.5	23.87	.25	.5144	-.0047	.4581	.0003	-.0004	-.0009	.0016
12045	.299	5996.2	25.74	.30	.5700	-.0056	.5077	.0002	-.0010	-.0019	.0019
12046	.302	6134.3	27.97	.32	.6285	-.0067	.5615	.0006	-.0014	-.0027	.0021
12047	.300	6058.6	29.81	.35	.6626	-.0081	.5967	.0002	-.0012	-.0027	.0021
12048	.301	6066.0	31.85	.32	.6914	-.0096	.6259	.0002	-.0015	-.0032	.0023
12049	.299	6019.8	33.61	.32	.7355	-.0113	.6673	.0004	-.0021	-.0044	.0025
12050	.299	6009.6	35.89	.34	.7850	-.0144	.7134	.0001	-.0020	-.0031	.0029
12051	.301	6065.4	37.81	.42	.8087	-.0174	.7380	.0001	-.0023	-.0032	.0030
12052	.300	6043.2	39.74	.40	.8387	-.0203	.7708	.0002	-.0024	-.0032	.0028
12053	.301	6079.2	-.21	-.00	-.0050	.0062	-.0046	.0003	.0004	.0000	.0000

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7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 60 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
12056	.800	29962.1	-5.4	-.01	-.0309	.0177	.0107	.0020	-.0012	.0027	.0061
12057	.800	29951.8	-4.06	-.05	-.2203	.0309	.0608	.0021	-.0015	.0046	.0062
12058	.799	29891.8	-2.13	-.03	-.0989	.0207	.0297	.0018	-.0013	.0041	.0060
12059	.800	29938.0	-.71	-.02	-.0222	.0180	.0079	.0021	-.0010	.0031	.0060
12060	.805	30150.2	1.88	.00	.1257	.0204	-.0319	.0021	-.0011	.0033	.0061
12061	.801	29954.7	4.02	.03	.2463	.0314	-.0638	.0016	-.0009	.0034	.0062
12062	.799	29877.1	5.98	.03	.3850	.0527	-.0954	.0014	-.0007	.0027	.0064
12063	.799	29883.4	7.85	.04	.5270	.0829	-.1366	.0010	-.0003	.0020	.0069
12064	.801	29970.4	9.78	.06	.7002	.1296	-.1858	.0015	.0002	-.0002	.0074
12065	.802	30015.6	11.82	.07	.8159	.1785	-.2003	.0017	.0001	-.0004	.0080
12066	.800	29952.0	13.81	.07	.9228	.2342	-.2034	.0015	.0001	-.0007	.0090
12067	.798	29855.4	15.84	.12	1.0643	.3088	-.2236	.0013	.0003	-.0024	.0090
12068	.798	29825.2	17.63	.11	1.1341	.3652	-.2237	.0019	.0005	-.0031	.0089
12069	.805	30165.2	20.07	.13	1.3387	.4935	-.2729	.0021	.0015	-.0060	.0097
12070	.801	29978.8	21.82	.13	1.4050	.5644	-.2743	.0020	.0023	-.0071	.0097
12071	.800	29956.1	-.55	-.02	-.0299	.0179	.0106	.0018	-.0010	.0061	.0061

TEST TP	24 MACH	Q PA	RUN 60 ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY
12056	.800	29962.1	-5.4	-.01	-.0311	.0174	.0107	.0020	-.0012	.0027
12057	.800	29951.8	-4.06	-.05	-.2220	.0152	.0608	.0019	-.0016	.0046
12058	.799	29891.8	-2.13	-.03	-.0996	.0170	.0297	.0017	-.0013	.0041
12059	.800	29938.0	-.71	-.02	-.0224	.0177	.0079	.0020	-.0011	.0031
12060	.805	30150.2	1.88	.00	.1263	.0163	-.0319	.0022	-.0011	.0033
12061	.801	29954.7	4.02	.03	.2479	.0140	-.0638	.0016	-.0008	.0034
12062	.799	29877.1	5.98	.03	.3884	.0123	-.0954	.0015	-.0005	.0027
12063	.799	29883.4	7.85	.04	.5334	.0102	-.1366	.0010	-.0001	.0020
12064	.801	29970.4	9.78	.06	.7120	.0087	-.1858	.0014	.0005	-.0002
12065	.802	30015.6	11.82	.07	.8352	.0076	-.2003	.0017	.0004	-.0004
12066	.800	29952.0	13.81	.07	.9520	.0072	-.2034	.0014	.0005	-.0007
12067	.798	29855.4	15.84	.12	1.1082	.0066	-.2236	.0011	.0006	-.0024
12068	.798	29825.2	17.63	.11	1.1915	.0047	-.2237	.0017	.0010	-.0031
12069	.805	30165.2	20.07	.13	1.4267	.0041	-.2729	.0015	.0022	-.0060
12070	.801	29978.8	21.82	.13	1.5141	.0016	-.2743	.0010	.0029	-.0071
12071	.800	29956.1	-.55	-.02	-.0301	.0176	.0106	.0018	-.0010	.0061

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TEST TP	24 MACH	Q PA	RUN 60 ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
12056	.800	29962.1	-5.4	-.02	-.0055	.0064	-.0056	.0003	.0001	-.0005	.0007
12057	.800	29951.8	-4.06	-.11	-.0486	.0093	-.0450	.0004	.0002	-.0001	.0011
12058	.799	29891.8	-2.13	-.06	-.0198	.0072	-.0192	.0003	.0002	-.0002	.0008
12059	.800	29938.0	-.71	-.03	-.0040	.0067	-.0042	.0003	.0000	-.0005	.0007
12060	.805	30150.2	1.88	.03	.0270	.0072	.0256	.0004	.0001	-.0005	.0009
12061	.801	29954.7	4.02	.08	.0557	.0099	.0509	.0005	.0001	-.0003	.0010
12062	.799	29877.1	5.98	.11	.0931	.0152	.0832	.0005	.0001	-.0004	.0012
12063	.799	29883.4	7.85	.14	.1272	.0224	.1139	.0005	.0000	-.0003	.0013
12064	.801	29970.4	9.78	.19	.1698	.0334	.1526	.0004	-.0002	-.0007	.0018
12065	.802	30015.6	11.81	.22	.2057	.0464	.1864	.0004	-.0003	-.0007	.0021
12066	.800	29952.0	13.81	.25	.2435	.0622	.2227	.0004	-.0003	-.0006	.0026
12067	.798	29855.4	15.84	.32	.2861	.0825	.2653	.0002	-.0004	-.0008	.0035
12068	.798	29825.2	17.62	.33	.3113	.0989	.2917	.0002	-.0004	-.0007	.0044
12069	.805	30165.2	20.07	.39	.3672	.1327	.3515	.0002	-.0005	-.0009	.0059
12070	.801	29978.8	21.82	.40	.3904	.1537	.3794	.0001	-.0005	-.0005	.0069
12071	.800	29956.1	-.55	-.03	-.0058	.0065	-.0061	.0003	.0001	-.0002	.0008

TEST TP	24 MACH	Q PA	RUN 60 ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
12056	.800	29962.1	-5.4	-.02	-.0056	.0064	-.0056	.0003	.0001	-.0005	.0002
12057	.800	29951.8	-4.06	-.11	-.0492	.0058	-.0450	.0004	.0002	-.0001	.0003
12058	.799	29891.8	-2.13	-.06	-.0201	.0064	-.0192	.0004	.0002	-.0002	.0002
12059	.800	29938.0	-.71	-.03	-.0041	.0066	-.0042	.0003	-.0000	-.0005	.0002
12060	.805	30150.2	1.88	.03	.0272	.0063	.0256	.0004	.0002	-.0005	.0002
12061	.801	29954.7	4.02	.08	.0563	.0060	.0509	.0005	.0002	-.0003	.0003
12062	.799	29877.1	5.98	.11	.0941	.0055	.0832	.0005	.0001	-.0004	.0003
12063	.799	29883.4	7.85	.14	.1291	.0048	.1139	.0005	.0001	-.0003	.0003
12064	.801	29970.4	9.78	.19	.1730	.0041	.1526	.0005	-.0002	-.0007	.0004
12065	.802	30015.6	11.81	.22	.2109	.0033	.1864	.0005	-.0002	-.0007	.0005
12066	.800	29952.0	13.81	.25	.2513	.0023	.2227	.0004	-.0002	-.0006	.0006
12067	.798	29855.4	15.84	.32	.2978	.0013	.2653	.0003	-.0003	-.0008	.0009
12068	.798	29825.2	17.62	.33	.3266	.0001	.2917	.0003	-.0003	-.0007	.0011
12069	.805	30165.2	20.07	.39	.3905	-.0013	.3515	.0003	-.0004	-.0009	.0015
12070	.801	29978.8	21.82	.40	.4196	-.0024	.3794	.0003	-.0004	-.0005	.0018
12071	.800	29956.1	-.55	-.03	-.0059	.0065	-.0061	.0003	.0001	-.0002	.0002

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7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 61 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
12086	.301	6084.0	-4.42	.00	-.0228	.0176	.0048	.0012	-.0008	.0090	.0056
12087	.301	6084.0	-4.09	.04	-.1972	.0321	.0335	.0009	-.0010	.0108	.0057
12088	.300	6049.6	-2.09	.02	-.0923	.0222	.0166	.0010	-.0009	.0102	.0037
12089	.300	6060.3	-.61	.00	-.0131	.0196	.0033	.0010	-.0010	.0099	.0057
12090	.301	6065.5	2.02	-.03	.1167	.0222	-.0183	.0011	-.0007	.0094	.0056
12091	.300	6064.3	3.93	-.03	.2314	.0314	-.0373	.0009	-.0008	.0071	.0058
12092	.301	6068.8	5.78	-.04	.3260	.0457	-.0515	.0009	-.0009	.0068	.0061
12093	.300	6051.3	8.10	-.12	.4809	.0786	-.0755	.0008	-.0007	.0082	.0065
12094	.301	6097.8	9.80	-.12	.6114	.1141	-.0913	.0014	-.0005	.0066	.0068
12095	.300	6058.2	12.02	-.16	.7450	.1641	-.1086	.0022	-.0005	.0055	.0067
12096	.300	6048.4	13.85	-.17	.9023	.2281	-.1305	.0010	-.0012	.0058	.0069
12097	.300	6054.7	15.92	-.19	1.0625	.3077	-.1618	.0000	-.0006	.0033	.0072
12098	.300	6059.8	17.97	-.18	1.2420	.4037	-.1968	.0008	.0001	-.0005	.0073
12099	.300	6037.6	19.72	-.16	1.3676	.4880	-.2109	.0015	.0007	-.0037	.0073
12100	.300	6045.2	21.88	-.26	1.4851	.5906	-.2210	.0022	.0015	-.0061	.0073
12101	.300	6039.0	23.62	-.17	1.5882	.6857	-.2260	.0026	.0002	-.0077	.0075
12102	.300	6050.4	25.66	-.34	1.4964	.7147	-.1405	-.0275	.0387	-.0302	.0083
12103	.300	6056.5	27.92	-.34	1.4583	.7709	-.0817	-.0012	.0092	-.0119	.0080
12104	.299	6023.3	29.61	-.23	1.4808	.8387	-.0661	-.0002	.0107	-.0139	.0083
12105	.300	6048.8	31.62	-.39	1.4791	.9039	-.0437	.0018	.0053	-.0097	.0091
12106	.301	6098.1	33.86	-.37	1.4987	.9961	-.0260	.0018	.0064	-.0129	.0104
12107	.300	6061.2	35.65	-.39	1.4940	1.0588	-.0186	.0023	.0049	-.0110	.0111
12108	.300	6059.9	37.86	-.38	1.5015	1.1519	-.0041	.0033	.0069	-.0120	.0128
12109	.300	6046.3	39.54	-.43	1.4879	1.2094	.0050	.0036	.0072	-.0119	.0138
12110	.301	6074.6	-.43	-.00	-.0224	.0193	.0057	.0012	-.0008	.0118	.0057

TEST TP	24 MACH	Q PA	RUN 61 ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY
12086	.301	6084.0	-4.42	.00	-.0229	.0174	.0048	.0012	-.0008	.0090
12087	.301	6084.0	-4.09	.04	-.1990	.0180	.0335	.0008	-.0011	.0108
12088	.300	6049.6	-2.09	.02	-.0930	.0188	.0166	.0010	-.0009	.0102
12089	.300	6060.3	-.61	.00	-.0133	.0194	.0033	.0010	-.0010	.0099
12090	.301	6065.5	2.02	-.03	.1175	.0180	-.0183	.0011	-.0007	.0094
12091	.300	6064.3	3.93	-.03	.2330	.0155	-.0373	.0010	-.0008	.0071
12092	.301	6068.8	5.78	-.04	.3290	.0126	-.0515	.0010	-.0008	.0068
12093	.300	6051.3	8.10	-.12	.4872	.0101	-.0755	.0009	-.0006	.0082
12094	.301	6097.8	9.80	-.12	.6219	.0083	-.0913	.0015	-.0002	.0066
12095	.300	6058.2	12.02	-.16	.7628	.0054	-.1086	.0022	-.0000	.0055
12096	.300	6048.4	13.85	-.17	.9306	.0055	-.1305	.0013	-.0009	.0058
12097	.300	6054.7	15.92	-.19	1.1061	.0044	-.1618	.0002	-.0005	.0033
12098	.300	6059.8	17.97	-.18	1.3060	.0007	-.1968	.0008	.0003	-.0005
12099	.300	6037.6	19.72	-.16	1.4520	-.0021	-.2109	.0012	.0012	-.0037

12100	.300	6045.2	21.88	-.26	1.5982	-.0056	-.2210	.0015	.0022	-.0061
12101	.300	6039.0	23.62	-.17	1.7298	-.0080	-.2260	.0023	.0013	-.0077
12102	.300	6050.4	25.66	-.34	1.6584	-.0037	-.1405	-.0415	.0230	-.0302
12103	.300	6056.5	27.92	-.34	1.6496	-.0015	-.0817	-.0053	.0076	-.0119
12104	.299	6023.3	29.61	-.23	1.7018	-.0024	-.0661	-.0055	.0092	-.0139
12105	.300	6048.8	31.62	-.39	1.7334	-.0056	-.0437	-.0013	.0055	-.0097
12106	.301	6098.1	33.86	-.37	1.7995	-.0077	-.0260	-.0021	.0063	-.0129
12107	.300	6061.2	35.65	-.39	1.8311	-.0103	-.0186	-.0010	.0053	-.0110
12108	.300	6059.9	37.86	-.38	1.8924	-.0122	-.0041	-.0016	.0075	-.0120
12109	.300	6046.3	39.54	-.43	1.9174	-.0147	.0050	-.0018	.0078	-.0119
12110	.301	6074.6	-.43	-.00	-.0225	.0192	.0057	.0012	-.0008	.0118

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7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 61		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
12086	.301	6084.0	-4.42	-0.00	-.0032	.0060	-.0035	.0000	.0008	.0009	-.0003
12087	.301	6084.0	-4.09	-0.01	-.0343	.0088	-.0336	-.0000	.0009	.0011	.0001
12088	.300	6049.6	-2.09	-0.01	-.0148	.0069	-.0155	.0000	.0008	.0009	-.0001
12089	.300	6060.3	-.61	-0.00	-.0019	.0068	-.0023	.0000	.0008	.0008	-.0003
12090	.301	6065.5	2.02	-0.00	.0194	.0073	.0193	.0001	.0007	.0006	-.0001
12091	.300	6064.3	3.93	.03	.0415	.0094	.0396	.0001	.0004	.0001	-.0001
12092	.301	6068.8	5.78	.04	.0602	.0121	.0570	.0001	.0003	.0000	-.0000
12093	.300	6051.3	8.10	-0.01	.0927	.0190	.0871	.0002	.0009	.0009	.0001
12094	.301	6097.8	9.80	.00	.1214	.0267	.1132	.0002	.0006	.0004	.0006
12095	.300	6058.2	12.02	-0.01	.1507	.0365	.1403	.0002	.0006	.0004	.0014
12096	.300	6048.4	13.85	.01	.1863	.0501	.1734	.0002	.0005	.0001	.0022
12097	.300	6054.7	15.93	.01	.2196	.0661	.2049	.0001	.0002	-.0006	.0032
12098	.300	6059.8	17.97	.05	.2564	.0857	.2403	.0001	-.0002	-.0014	.0046
12099	.300	6037.6	19.72	.09	.2873	.1045	.2709	.0000	-.0003	-.0017	.0058
12100	.300	6045.2	21.89	.02	.3189	.1281	.3036	.0001	-.0001	-.0014	.0069
12101	.300	6039.0	23.62	.13	.3485	.1512	.3345	-.0001	-.0004	-.0022	.0080
12102	.300	6050.4	25.66	-0.02	.3732	.1769	.3660	.0003	.0004	-.0005	.0081
12103	.300	6056.5	27.92	.01	.3994	.2072	.4011	.0002	.0004	-.0005	.0081
12104	.299	6023.3	29.61	.14	.4181	.2316	.4279	.0002	.0003	-.0006	.0082
12105	.300	6048.8	31.62	-0.00	.4295	.2560	.4511	.0000	-.0001	-.0010	.0074
12106	.301	6098.1	33.86	.05	.4424	.2864	.4832	-.0003	-.0007	-.0018	.0065
12107	.300	6061.2	35.65	.05	.4456	.3069	.4997	-.0005	-.0007	-.0022	.0066
12108	.300	6059.9	37.87	.08	.4584	.3414	.5315	-.0005	-.0005	-.0015	.0067
12109	.300	6046.3	39.54	.05	.4617	.3630	.5485	-.0008	-.0007	-.0019	.0079
12110	.301	6074.6	-.43	-0.01	-.0033	.0059	-.0036	.0000	.0008	.0009	-.0003

TEST TP	24 MACH	Q PA	RUN 61		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
12086	.301	6084.0	-4.42	-0.00	-.0032	.0059	-.0035	.0001	.0008	.0009	-.0001
12087	.301	6084.0	-4.09	-0.01	-.0348	.0063	-.0336	.0001	.0009	.0011	-.0000
12088	.300	6049.6	-2.09	-0.01	-.0151	.0064	-.0155	.0001	.0008	.0009	-.0000
12089	.300	6060.3	-.61	-0.00	-.0020	.0067	-.0023	.0000	.0008	.0008	-.0001
12090	.301	6065.5	2.02	-0.00	.0196	.0066	.0193	.0001	.0007	.0006	-.0000
12091	.300	6064.3	3.93	.03	.0420	.0065	.0396	.0000	.0004	.0001	-.0000
12092	.301	6068.8	5.78	.04	.0611	.0059	.0570	.0001	.0003	.0000	-.0000
12093	.300	6051.3	8.10	-0.01	.0945	.0057	.0871	.0001	.0009	.0009	.0000
12094	.301	6097.8	9.80	.00	.1242	.0056	.1132	.0001	.0006	.0004	.0001
12095	.300	6058.2	12.02	-0.01	.1550	.0043	.1403	.0001	.0007	.0004	.0003
12096	.300	6048.4	13.85	.01	.1928	.0041	.1734	.0001	.0006	.0001	.0005
12097	.300	6054.7	15.93	.01	.2293	.0033	.2049	.0001	.0002	-.0006	.0007
12098	.300	6059.8	17.97	.05	.2703	.0024	.2403	.0001	-.0002	-.0014	.0011
12099	.300	6037.6	19.72	.09	.3057	.0014	.2709	.0001	-.0003	-.0017	.0014
12100	.300	6045.2	21.89	.02	.3437	-.0000	.3036	.0001	-.0000	-.0014	.0017
12101	.300	6039.0	23.62	.13	.3799	-.0011	.3345	.0001	-.0004	-.0022	.0019
12102	.300	6050.4	25.66	-0.02	.4130	-.0021	.3660	.0000	.0005	-.0005	.0019
12103	.300	6056.5	27.92	.01	.4499	-.0039	.4011	-.0000	.0005	-.0005	.0019
12104	.299	6023.3	29.61	.14	.4780	-.0052	.4279	-.0000	.0004	-.0006	.0019
12105	.300	6048.8	31.62	-0.00	.5000	-.0071	.4511	.0000	-.0000	-.0010	.0018
12106	.301	6098.1	33.86	.05	.5270	-.0087	.4832	.0001	-.0007	-.0018	.0016
12107	.300	6061.2	35.65	.05	.5410	-.0103	.4997	.0000	-.0009	-.0022	.0016
12108	.300	6059.9	37.87	.08	.5715	-.0119	.5315	-.0001	-.0007	-.0015	.0016
12109	.300	6046.3	39.54	.05	.5872	-.0141	.5485	-.0001	-.0011	-.0019	.0019
12110	.301	6074.6	-.43	-0.01	-.0034	.0058	-.0036	.0000	.0008	.0009	-.0001

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## 7 X 10 HIGH SPEED TUNNEL

TEST	24			RUN	63							
TP	MACH	Q	PA	ALPHA	BETA	CL	CD	CMS	CRMS	CYMS	CYS	CDC
				DEG	DEG							
12145	.300	6052.0		-4.42	-0.00	-.0249	.0178	.0053	.0007	-.0010	.0023	.0056
12146	.300	6030.9		-4.05	-0.00	-.2096	.0314	.0357	.0017	-.0013	.0064	.0057
12147	.300	6064.7		7.92	-0.00	.4721	.0749	-.0747	.0014	-.0009	.0021	.0065
12148	.300	6041.1		15.83	-0.01	1.0617	.3052	-.1612	.0007	-.0014	-.0014	.0073
12149	.300	6048.8		19.74	.00	1.3642	.4874	-.2079	.0024	.0013	-.0103	.0075
12150	.299	6025.6		21.87	.02	1.5062	.5997	-.2197	.0027	.0001	-.0099	.0074
12151	.301	6088.1		23.77	.02	1.5946	.6935	-.2232	.0037	-.0024	-.0067	.0077
12152	.300	6058.1		25.78	.12	1.5353	.7366	-.1498	.0291	-.0336	.0115	.0079
12153	.300	6054.2		27.85	.05	1.4464	.7622	-.0720	.0003	.0048	-.0123	.0081

TEST	24			RUN	63							
TP	MACH	Q	PA	ALPHA	BETA	CN	CA	CM	CRM	CYM	CY	
				DEG	DEG							
12145	.300	6052.0		-4.42	-0.00	-.0250	.0176	.0053	.0007	-.0010	.0023	
12146	.300	6030.9		-4.05	-0.00	-.2113	.0165	.0357	.0016	-.0015	.0064	
12147	.300	6064.7		7.92	-0.00	.4780	.0091	-.0747	.0015	-.0007	.0021	
12148	.300	6041.1		15.83	-0.01	1.1047	.0040	-.1612	.0011	-.0012	-.0014	
12149	.300	6048.8		19.74	.00	1.4487	-.0021	-.2079	.0018	.0021	-.0103	
12150	.299	6025.6		21.87	.02	1.6212	-.0047	-.2197	.0025	.0010	-.0099	
12151	.301	6088.1		23.77	.02	1.7388	-.0082	-.2232	.0044	-.0007	-.0067	
12152	.300	6058.1		25.78	.12	1.7028	-.0044	-.1498	.0408	-.0176	.0115	
12153	.300	6054.2		27.85	.05	1.6350	-.0019	-.0720	-.0020	.0043	-.0123	

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## 7 X 10 HIGH SPEED TUNNEL

TEST	24			RUN	63							
TP	MACH	Q	PA	ALPHA2	BETA2	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
				DEG	DEG							
12145	.300	6052.0		-4.42	-0.01	-.0024	.0058	-.0027	.0001	.0002	-.0002	-.0002
12146	.300	6030.9		-4.05	-0.06	-.0356	.0081	-.0344	.0000	.0006	.0005	.0002
12147	.300	6064.7		7.92	.10	.0921	.0186	.0862	.0002	.0001	-.0004	.0004
12148	.300	6041.1		15.83	.20	.2217	.0669	.2065	.0001	-.0003	-.0011	.0035
12149	.300	6048.8		19.74	.25	.2904	.1065	.2733	.0000	-.0006	-.0019	.0058
12150	.299	6025.6		21.87	.30	.3292	.1332	.3123	-.0001	-.0007	-.0022	.0072
12151	.301	6088.1		23.77	.32	.3559	.1562	.3409	-.0001	-.0007	-.0022	.0080
12152	.300	6058.1		25.77	.44	.3815	.1825	.3730	-.0004	-.0014	-.0038	.0084
12153	.300	6054.2		27.85	.40	.4017	.2085	.4025	-.0002	-.0005	-.0016	.0081

TEST	24			RUN	63							
TP	MACH	Q	PA	ALPHA2	BETA2	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
				DEG	DEG							
12145	.300	6052.0		-4.42	-0.01	-.0025	.0058	-.0027	.0001	.0002	-.0002	-.0001
12146	.300	6030.9		-4.05	-0.06	-.0361	.0056	-.0344	.0001	.0006	.0005	.0000
12147	.300	6064.7		7.92	.10	.0938	.0057	.0862	.0001	.0001	-.0004	.0001
12148	.300	6041.1		15.83	.20	.2315	.0039	.2065	.0002	-.0002	-.0011	.0008
12149	.300	6048.8		19.74	.25	.3093	.0021	.2733	.0002	-.0005	-.0019	.0014
12150	.299	6025.6		21.87	.30	.3551	.0010	.3123	.0002	-.0007	-.0022	.0017
12151	.301	6088.1		23.77	.32	.3886	-.0005	.3409	.0002	-.0007	-.0022	.0019
12152	.300	6058.1		25.77	.44	.4229	-.0015	.3730	.0002	-.0014	-.0038	.0020
12153	.300	6054.2		27.85	.40	.4526	-.0033	.4025	.0000	-.0005	-.0016	.0019





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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 70 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
12286	.700	25140.1	-.41	-.01	.0000	.0106	-.0041	.0004	-.0011	.0032	.0065
12287	.700	25115.4	-3.82	-.01	-.0283	.0136	-.0318	.0004	-.0008	.0034	.0062
12288	.700	25128.6	-2.05	-.01	-.0102	.0113	-.0153	.0005	-.0011	.0043	.0064
12289	.700	25145.7	-.60	-.01	-.0019	.0108	-.0023	.0005	-.0013	.0049	.0065
12290	.700	25126.2	2.08	-.01	.0179	.0111	.0144	.0003	-.0012	.0053	.0065
12291	.700	25097.5	3.96	-.01	.0394	.0130	.0333	.0003	-.0013	.0057	.0071
12292	.701	25168.6	5.99	-.01	.0623	.0166	.0523	.0004	-.0016	.0064	.0074
12293	.702	25198.1	7.94	-.00	.0858	.0217	.0719	.0003	-.0018	.0066	.0078
12294	.700	25128.8	10.04	-.00	.1113	.0292	.0945	.0001	-.0016	.0061	.0080
12295	.699	25083.6	11.89	-.00	.1338	.0373	.1152	.0000	-.0015	.0061	.0081
12296	.700	25145.6	14.02	.00	.1613	.0488	.1401	.0001	-.0020	.0062	.0087
12297	.701	25149.3	15.82	.02	.1850	.0603	.1620	-.0001	-.0019	.0055	.0093
12298	.699	25091.9	18.15	.01	.2165	.0775	.1919	-.0003	-.0022	.0064	.0103
12299	.701	25163.8	19.79	.03	.2388	.0914	.2141	-.0004	-.0020	.0063	.0111
12300	.700	25112.9	21.99	.04	.2686	.1124	.2454	-.0006	-.0017	.0059	.0120
12301	.701	25162.5	23.98	.04	.2973	.1344	.2746	-.0007	-.0010	.0057	.0129
12302	.702	25205.5	26.18	.07	.3281	.1619	.3093	-.0010	-.0013	.0066	.0132
12303	.701	25173.6	-.42	-.02	.0012	.0113	-.0038	.0004	-.0010	.0065	.0064

TEST TP	24 MACH	Q PA	RUN 70 ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY
12286	.700	25140.1	-.41	-.01	-.0001	.0106	-.0041	.0004	-.0011	.0032
12287	.700	25115.4	-3.82	-.01	-.0292	.0117	-.0318	.0003	-.0008	.0034
12288	.700	25128.6	-2.05	-.01	-.0106	.0109	-.0153	.0004	-.0012	.0043
12289	.700	25145.7	-.60	-.01	.0018	.0108	-.0023	.0005	-.0013	.0049
12290	.700	25126.2	2.08	-.01	.0183	.0104	.0144	.0004	-.0012	.0053
12291	.700	25097.5	3.96	-.01	.0402	.0102	.0333	.0004	-.0012	.0057
12292	.701	25168.6	5.99	-.01	.0637	.0100	.0523	.0005	-.0016	.0064
12293	.702	25198.1	7.94	-.00	.0880	.0097	.0719	.0005	-.0017	.0066
12294	.700	25128.8	10.04	-.00	.1146	.0093	.0945	.0004	-.0015	.0061
12295	.699	25083.6	11.89	-.00	.1387	.0089	.1152	.0003	-.0015	.0061
12296	.700	25145.6	14.02	.00	.1683	.0082	.1401	.0004	-.0020	.0062
12297	.701	25149.3	15.82	.02	.1945	.0076	.1620	.0004	-.0019	.0055
12298	.699	25091.9	18.15	.01	.2299	.0062	.1919	.0004	-.0022	.0064
12299	.701	25163.8	19.79	.03	.2556	.0052	.2141	.0002	-.0020	.0063
12300	.700	25112.9	21.99	.04	.2912	.0036	.2454	.0001	-.0018	.0059
12301	.701	25162.5	23.98	.04	.3262	.0020	.2746	-.0002	-.0012	.0057
12302	.702	25205.5	26.18	.07	.3659	.0005	.3093	-.0003	-.0016	.0066
12303	.701	25173.6	-.42	-.02	.0011	.0113	-.0038	.0004	-.0010	.0065

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 70 ALPHA DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
12286	.700	25140.1	-.41	-.01	-.0017	.0061	-.0024	.0001	-.0002	-.0004	.0010
12287	.700	25115.4	-3.82	-.06	-.0281	.0079	-.0304	.0001	.0002	-.0001	.0011
12288	.700	25128.6	-2.05	-.03	-.0117	.0066	-.0137	.0001	.0003	-.0001	.0010
12289	.700	25145.7	-.60	-.02	-.0002	.0064	-.0008	.0001	.0003	-.0002	.0010
12290	.700	25126.2	2.08	.01	.0148	.0068	.0159	.0002	.0002	-.0004	.0009
12291	.700	25097.5	3.96	.04	.0339	.0085	.0353	.0002	.0001	-.0005	.0011
12292	.701	25168.6	5.99	.07	.0536	.0115	.0557	.0002	.0002	-.0003	.0013
12293	.702	25198.1	7.94	.10	.0739	.0157	.0765	.0002	.0001	-.0004	.0017
12294	.700	25128.8	10.04	.13	.0963	.0219	.0997	.0002	-.0000	-.0005	.0020
12295	.699	25083.6	11.89	.15	.1162	.0267	.1210	.0002	-.0001	-.0005	.0022
12296	.700	25145.6	14.02	.18	.1399	.0384	.1468	.0002	-.0002	-.0007	.0025
12297	.701	25149.3	15.81	.23	.1600	.0481	.1696	.0001	-.0004	-.0009	.0029
12298	.699	25091.9	18.15	.25	.1864	.0627	.1999	.0001	-.0004	-.0008	.0034
12299	.701	25163.8	19.78	.28	.2057	.0748	.2222	.0001	-.0004	-.0008	.0038
12300	.700	25112.9	21.99	.32	.2317	.0930	.2530	.0000	-.0005	-.0010	.0044
12301	.701	25162.5	23.97	.34	.2559	.1119	.2829	.0000	-.0004	-.0008	.0049
12302	.702	25205.5	26.18	.40	.2819	.1351	.3174	-.0000	-.0004	-.0006	.0053
12303	.701	25173.6	-.42	-.03	-.0019	.0063	-.0028	.0001	.0003	-.0000	.0010

TEST TP	24 MACH	Q PA	RUN 70 ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
12286	.700	25140.1	-.41	-.01	-.0018	.0061	-.0024	.0001	.0002	-.0004	.0002
12287	.700	25115.4	-3.82	-.05	-.0286	.0060	-.0304	.0001	.0002	-.0001	.0003
12288	.700	25128.6	-2.05	-.03	-.0120	.0062	-.0137	.0002	.0003	-.0001	.0002
12289	.700	25145.7	-.60	-.02	-.0002	.0064	-.0008	.0001	.0003	-.0002	.0002
12290	.700	25126.2	2.08	.01	.0151	.0062	.0159	.0002	.0002	-.0004	.0002
12291	.700	25097.5	3.96	.04	.0344	.0062	.0353	.0002	.0002	-.0005	.0003
12292	.701	25168.6	5.99	.07	.0545	.0059	.0557	.0002	.0002	-.0003	.0003
12293	.702	25198.1	7.94	.10	.0753	.0054	.0765	.0002	.0001	-.0004	.0004
12294	.700	25128.8	10.04	.13	.0988	.0048	.0997	.0002	.0000	-.0005	.0005
12295	.699	25083.6	11.89	.15	.1196	.0042	.1210	.0002	-.0000	-.0005	.0005
12296	.700	25145.6	14.02	.18	.1450	.0034	.1468	.0003	-.0002	-.0007	.0006
12297	.701	25149.3	15.81	.23	.1670	.0027	.1696	.0002	-.0003	-.0009	.0007
12298	.699	25091.9	18.15	.25	.1967	.0015	.1999	.0002	-.0003	-.0008	.0008
12299	.701	25163.8	19.78	.28	.2189	.0008	.2222	.0002	-.0003	-.0008	.0009
12300	.700	25112.9	21.99	.32	.2497	-.0005	.2530	.0002	-.0004	-.0010	.0011
12301	.701	25162.5	23.97	.34	.2793	-.0017	.2829	.0002	-.0003	-.0008	.0012
12302	.702	25205.5	26.18	.40	.3126	-.0031	.3174	.0001	-.0004	-.0006	.0013
12303	.701	25173.6	-.42	-.03	-.0020	.0063	-.0028	.0001	.0003	-.0000	.0002



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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 71		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
12304	.500	15019.8	-4.1	-.02	.0025	.0117	-.0036	.0003	-.0010	.0087	.0062
12305	.499	14928.5	-3.93	-.02	-.0267	.0147	-.0320	.0002	-.0007	.0077	.0061
12306	.499	14945.9	-2.05	-.02	-.0059	.0126	-.0129	.0002	-.0007	.0075	.0061
12307	.501	15056.3	-.61	-.02	.0037	.0119	-.0023	.0003	-.0009	.0073	.0062
12308	.499	14956.9	1.78	-.01	.0189	.0123	.0143	.0004	-.0010	.0073	.0063
12309	.498	14912.1	3.78	-.01	.0386	.0137	.0317	.0003	-.0011	.0070	.0069
12310	.499	14941.1	6.09	.01	.0644	.0174	.0534	.0002	-.0013	.0065	.0073
12311	.499	14939.0	8.15	.02	.0883	.0227	.0739	.0001	-.0014	.0063	.0076
12312	.501	15036.3	9.96	.02	.1100	.0288	.0927	.0001	-.0015	.0066	.0077
12313	.500	14971.9	11.89	.05	.1331	.0369	.1144	-.0000	-.0013	.0049	.0080
12314	.501	15030.7	13.95	.06	.1577	.0472	.1371	-.0000	-.0016	.0048	.0086
12315	.501	15025.2	16.15	.07	.1864	.0608	.1636	.0001	-.0017	.0040	.0094
12316	.500	15000.0	17.80	.07	.2080	.0724	.1840	-.0000	-.0015	.0039	.0103
12317	.501	15022.4	19.76	.08	.2337	.0882	.2094	-.0002	-.0015	.0034	.0112
12318	.500	15013.4	21.58	.10	.2579	.1049	.2346	-.0003	-.0015	.0027	.0119
12319	.500	14993.0	23.71	.10	.2860	.1268	.2644	-.0004	-.0012	.0011	.0126
12320	.500	14983.0	25.74	.12	.3133	.1502	.2925	-.0004	-.0016	-.0009	.0130
12321	.500	14995.8	27.64	.11	.3235	.1665	.3119	-.0006	-.0001	.0001	.0134
12322	.500	15012.3	29.62	.13	.3473	.1923	.3378	-.0002	.0004	-.0023	.0138
12323	.500	14982.6	31.81	.11	.3781	.2267	.3709	-.0003	.0010	-.0023	.0142
12324	.501	15027.0	33.82	-.22	.3995	.2571	.4015	-.0012	-.0002	-.0001	.0149
12325	.500	14967.0	35.58	-.35	.4150	.2840	.4278	-.0002	.0024	-.0074	.0151
12326	.500	14992.6	37.62	-.65	.4344	.3184	.4589	-.0013	.0014	-.0083	.0154
12327	.504	15165.6	40.02	-.71	.4592	.3643	.5002	-.0063	-.0050	-.0223	.0160
12328	.500	14994.6	-.43	-.00	-.0012	.0118	-.0038	.0003	-.0004	.0016	.0062

TEST TP	24 MACH	Q PA	RUN 71		CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
12304	.500	15019.8	-4.1	-.02	.0025	.0117	-.0036	.0003	-.0010	.0087
12305	.499	14928.5	-3.93	-.02	-.0276	.0129	-.0320	.0002	-.0007	.0077
12306	.499	14945.9	-2.05	-.02	-.0063	.0124	-.0129	.0002	-.0007	.0075
12307	.501	15056.3	-.61	-.02	.0036	.0120	-.0023	.0003	-.0009	.0073
12308	.499	14956.9	1.78	-.01	.0193	.0117	.0143	.0004	-.0010	.0073
12309	.499	14912.1	3.78	-.01	.0394	.0111	.0317	.0004	-.0011	.0070
12310	.499	14941.1	6.09	.01	.0659	.0105	.0534	.0004	-.0012	.0065
12311	.499	14939.0	8.15	.02	.0906	.0099	.0739	.0003	-.0014	.0063
12312	.501	15036.3	9.96	.02	.1134	.0093	.0927	.0003	-.0014	.0066
12313	.500	14971.9	11.89	.05	.1378	.0087	.1144	.0002	-.0013	.0049
12314	.501	15030.7	13.95	.06	.1644	.0078	.1371	.0004	-.0016	.0048
12315	.501	15025.2	16.15	.07	.1960	.0066	.1636	.0005	-.0016	.0040
12316	.500	15000.0	17.80	.07	.2202	.0054	.1840	.0005	-.0015	.0039
12317	.501	15022.4	19.76	.08	.2498	.0040	.2094	.0004	-.0015	.0034
12318	.500	15013.4	21.58	.10	.2784	.0026	.2346	.0002	-.0015	.0027
12319	.500	14993.0	23.71	.10	.3129	.0011	.2644	.0001	-.0013	.0011
12320	.500	14983.0	25.74	.12	.3474	-.0008	.2925	.0003	-.0016	-.0009
12321	.500	14995.8	27.64	.11	.3638	-.0026	.3119	-.0005	-.0004	.0001
12322	.500	15012.3	29.62	.13	.3970	-.0045	.3378	-.0004	.0003	-.0023
12323	.500	14982.6	31.81	.11	.4408	-.0067	.3709	-.0008	.0007	-.0023
12324	.501	15027.0	33.82	-.22	.4750	-.0088	.4015	-.0009	-.0008	-.0001
12325	.500	14967.0	35.58	-.35	.5027	-.0105	.4278	-.0016	.0018	-.0074
12326	.500	14992.6	37.62	-.65	.5385	-.0129	.4589	-.0019	.0004	-.0083
12327	.504	15165.6	40.02	-.71	.5899	-.0163	.5002	-.0016	-.0079	-.0223
12328	.500	14994.6	-.43	-.00	-.0013	.0118	-.0038	.0003	-.0004	.0016

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 71 ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CD82
12304	.500	15019.8	-.41	-.02	-.0017	.0066	-.0027	.0001	.0003	.0001	.0007
12305	.499	14928.5	-3.93	-.07	-.0287	.0083	-.0312	.0001	.0004	.0002	.0009
12306	.499	14945.9	-2.05	-.04	-.0097	.0071	-.0116	.0001	.0003	.0001	.0007
12307	.501	15056.3	-.61	-.02	-.0004	.0067	-.0011	.0001	.0002	-.0001	.0007
12308	.499	14956.9	1.78	.01	.0147	.0070	.0156	.0002	.0002	-.0003	.0007
12309	.498	14912.1	3.78	.04	.0325	.0085	.0337	.0002	.0001	-.0004	.0008
12310	.499	14941.1	6.09	.08	.0551	.0119	.0572	.0002	-.0000	-.0006	.0010
12311	.499	14939.0	8.15	.12	.0761	.0164	.0788	.0002	-.0001	-.0006	.0011
12312	.501	15036.3	9.96	.15	.0949	.0215	.0984	.0002	.0001	-.0004	.0014
12313	.500	14971.9	11.89	.20	.1158	.0286	.1206	.0002	-.0002	-.0007	.0016
12314	.501	15030.7	13.95	.24	.1374	.0375	.1440	.0002	-.0003	-.0009	.0019
12315	.501	15025.2	16.14	.28	.1618	.0492	.1714	.0002	-.0003	-.0009	.0023
12316	.500	15000.0	17.79	.30	.1800	.0594	.1925	.0002	-.0003	-.0008	.0027
12317	.501	15022.4	19.76	.33	.2022	.0732	.2180	.0002	-.0003	-.0009	.0031
12318	.500	15013.4	21.58	.37	.2236	.0879	.2431	.0001	-.0006	-.0014	.0035
12319	.500	14993.0	23.71	.40	.2483	.1069	.2725	.0000	-.0007	-.0018	.0040
12320	.500	14983.0	25.74	.45	.2715	.1269	.3013	-.0001	-.0010	-.0022	.0044
12321	.500	14995.8	27.64	.46	.2769	.1393	.3191	-.0000	-.0006	-.0010	.0035
12322	.500	15012.3	29.62	.50	.2929	.1595	.3449	-.0000	-.0007	-.0012	.0043
12323	.500	14982.6	31.81	.50	.3153	.1870	.3777	-.0001	-.0007	-.0012	.0044
12324	.501	15027.0	33.82	.19	.3332	.2132	.4071	-.0003	-.0010	-.0020	.0037
12325	.500	14967.0	35.58	.08	.3463	.2362	.4328	-.0005	-.0012	-.0027	.0027
12326	.500	14992.6	37.62	-.19	.3622	.2643	.4643	-.0012	-.0018	-.0042	.0027
12327	.504	15165.6	40.03	-.23	.3834	.3018	.5077	-.0054	-.0070	-.0164	.0039
12328	.500	14994.6	-.43	-.01	-.0017	.0061	-.0027	.0001	.0001	-.0004	.0007

TEST TP	24 MACH	Q PA	RUN 71 ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
12304	.500	15019.8	-.41	-.02	-.0018	.0066	-.0027	.0001	.0003	.0001	.0002
12305	.499	14928.5	-3.93	-.07	-.0292	.0063	-.0312	.0001	.0004	.0002	.0002
12306	.499	14945.9	-2.05	-.04	-.0099	.0067	-.0116	.0001	.0003	.0001	.0002
12307	.501	15056.3	-.61	-.02	-.0005	.0067	-.0011	.0001	.0002	-.0001	.0002
12308	.499	14956.9	1.78	.01	.0149	.0066	.0156	.0002	.0002	-.0003	.0002
12309	.498	14912.1	3.78	.04	.0330	.0063	.0337	.0002	.0001	-.0004	.0002
12310	.499	14941.1	6.09	.08	.0561	.0059	.0572	.0002	.0000	-.0006	.0003
12311	.499	14939.0	8.15	.12	.0776	.0055	.0788	.0002	-.0001	-.0006	.0003
12312	.501	15036.3	9.96	.15	.0972	.0048	.0984	.0002	.0001	-.0004	.0004
12313	.500	14971.9	11.89	.20	.1192	.0041	.1206	.0002	-.0001	-.0007	.0004
12314	.501	15030.7	13.95	.24	.1423	.0032	.1440	.0003	-.0002	-.0009	.0005
12315	.501	15025.2	16.14	.28	.1692	.0023	.1714	.0003	-.0003	-.0009	.0006
12316	.500	15000.0	17.79	.30	.1895	.0015	.1925	.0003	-.0002	-.0008	.0007
12317	.501	15022.4	19.76	.33	.2150	.0005	.2180	.0003	-.0003	-.0009	.0008
12318	.500	15013.4	21.58	.37	.2402	-.0005	.2431	.0003	-.0005	-.0014	.0009
12319	.500	14993.0	23.71	.40	.2703	-.0020	.2725	.0003	-.0006	-.0018	.0010
12320	.500	14983.0	25.74	.45	.2997	-.0035	.3013	.0003	-.0009	-.0022	.0011
12321	.500	14995.8	27.64	.46	.3100	-.0050	.3191	.0003	-.0005	-.0010	.0008
12322	.500	15012.3	29.62	.50	.3334	-.0061	.3449	.0003	-.0006	-.0012	.0010
12323	.500	14982.6	31.81	.50	.3665	-.0073	.3777	.0003	-.0006	-.0012	.0011
12324	.501	15027.0	33.82	.19	.3955	-.0083	.4071	.0003	-.0010	-.0020	.0009
12325	.500	14967.0	35.58	.08	.4191	-.0094	.4328	.0003	-.0013	-.0027	.0006
12326	.500	14992.6	37.62	-.19	.4482	-.0117	.4643	.0001	-.0022	-.0042	.0006
12327	.504	15165.6	40.03	-.23	.4877	-.0155	.5077	.0004	-.0088	-.0164	.0009
12328	.500	14994.6	-.43	-.01	-.0018	.0061	-.0027	.0001	.0001	-.0004	.0002

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 72			CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG								
12329	.301	6049.6	-4.42	-0.00	-0.0015	.0125	-.0028	.0000	.0002	.0003	.0059	
12330	.300	6031.8	-4.14	-0.01	-.0331	.0166	-.0325	.0000	.0005	-.0006	.0059	
12331	.300	6030.0	-2.04	-0.01	-.0096	.0143	-.0122	-.0000	.0005	-.0001	.0058	
12332	.301	6042.6	-.63	-0.00	-.0013	.0142	-.0011	.0001	.0002	-.0001	.0059	
12333	.300	6026.8	1.97	.00	.0178	.0138	.0169	-.0000	.0003	-.0006	.0062	
12334	.300	6018.0	3.92	.01	.0384	.0153	.0340	.0000	.0001	-.0005	.0066	
12335	.301	6041.6	6.10	.01	.0620	.0188	.0538	.0001	-.0002	-.0011	.0069	
12336	.301	6057.2	7.97	.01	.0828	.0230	.0722	.0001	-.0003	-.0017	.0073	
12337	.301	6032.7	10.11	.02	.1082	.0295	.0938	-.0000	-.0001	-.0021	.0078	
12338	.301	6038.0	12.04	.02	.1325	.0373	.1149	-.0001	-.0000	-.0025	.0080	
12339	.300	6026.3	14.05	.02	.1572	.0473	.1388	-.0001	-.0004	-.0029	.0087	
12340	.300	6024.6	16.18	.03	.1845	.0596	.1647	-.0000	-.0006	-.0047	.0097	
12341	.300	6024.3	17.82	.03	.2056	.0707	.1843	.0001	-.0002	-.0055	.0105	
12342	.301	6035.2	19.99	.04	.2341	.0880	.2120	-.0001	-.0005	-.0059	.0115	
12343	.300	6029.0	21.74	.05	.2564	.1033	.2350	-.0002	-.0006	-.0060	.0120	
12344	.300	6008.4	23.86	.06	.2838	.1243	.2654	-.0003	-.0009	-.0066	.0127	
12345	.299	5991.8	25.69	.06	.3045	.1429	.2910	-.0003	-.0007	-.0078	.0136	
12346	.300	5996.7	27.93	.05	.3185	.1631	.3152	-.0005	.0001	-.0063	.0140	
12347	.299	5984.0	29.85	.06	.3373	.1857	.3379	-.0000	.0001	-.0095	.0146	
12348	.300	6004.3	31.52	.05	.3584	.2098	.3605	.0005	.0016	-.0132	.0151	
12349	.300	6001.1	33.57	.05	.3803	.2394	.3870	.0002	.0012	-.0154	.0159	
12350	.299	5979.4	35.72	.05	.3960	.2684	.4111	.0001	.0021	-.0166	.0162	
12351	.299	5982.6	37.49	.05	.4117	.2962	.4355	-.0001	.0022	-.0178	.0163	
12352	.299	5973.2	39.72	.06	.4272	.3307	.4624	-.0016	.0005	-.0161	.0167	
12353	.300	6027.9	42.04	.05	.4418	.3687	.4885	-.0046	-.0034	-.0135	.0168	
12354	.299	5980.5	43.87	.07	.4556	.4037	.5108	-.0071	-.0065	-.0123	.0168	
12355	.299	5990.8	45.50	.06	.4636	.4333	.5303	-.0088	-.0086	-.0165	.0167	
12356	.299	5975.1	47.61	.07	.4697	.4701	.5483	-.0088	-.0086	-.0201	.0165	
12357	.300	6011.5	-.44	.01	-.0060	.0128	-.0023	-.0001	.0009	-.0088	.0059	

TEST TP	24 MACH	Q PA	RUN 72			CN	CA	CH	CRM	CYM	CY
			ALPHA DEG	BETA DEG							
12329	.301	6049.6	-4.42	-0.00	-0.0016	.0124	-.0028	.0000	.0002	.0003	
12330	.300	6031.8	-4.14	-0.01	-.0342	.0142	-.0325	.0000	.0005	-.0006	
12331	.300	6030.0	-2.04	-0.01	-.0101	.0140	-.0122	.0000	.0005	-.0001	
12332	.301	6042.6	-.63	-0.00	-.0014	.0142	-.0011	.0001	.0002	-.0001	
12333	.300	6026.8	1.97	.00	.0183	.0132	.0169	-.0000	.0003	-.0006	
12334	.300	6018.0	3.92	.01	.0394	.0126	.0340	.0000	.0001	-.0005	
12335	.301	6041.6	6.10	.01	.0637	.0121	.0538	.0001	-.0002	-.0011	
12336	.301	6057.2	7.97	.01	.0852	.0113	.0722	.0001	-.0003	-.0017	
12337	.301	6032.7	10.11	.02	.1117	.0100	.0938	.0000	-.0001	-.0021	
12338	.301	6038.0	12.04	.02	.1373	.0089	.1149	-.0001	-.0001	-.0025	
12339	.300	6026.3	14.05	.02	.1640	.0077	.1388	-.0000	-.0004	-.0029	
12340	.300	6024.6	16.18	.03	.1938	.0058	.1647	.0001	-.0006	-.0047	
12341	.300	6024.3	17.82	.03	.2174	.0045	.1843	.0002	-.0002	-.0055	
12342	.301	6035.2	19.99	.04	.2501	.0027	.2120	.0000	-.0005	-.0059	
12343	.300	6029.0	21.74	.05	.2764	.0010	.2350	.0001	-.0006	-.0060	
12344	.300	6008.4	23.86	.06	.3098	-.0011	.2654	.0001	-.0009	-.0066	
12345	.299	5991.8	25.69	.06	.3364	-.0032	.2910	.0000	-.0008	-.0078	
12346	.300	5996.7	27.93	.05	.3578	-.0051	.3152	-.0005	-.0001	-.0063	
12347	.299	5984.0	29.85	.06	.3850	-.0067	.3379	-.0001	.0001	-.0095	
12348	.300	6004.3	31.52	.05	.4152	-.0086	.3605	-.0004	.0016	-.0132	
12349	.300	6001.1	33.57	.05	.4492	-.0108	.3870	-.0005	.0011	-.0154	
12350	.299	5979.4	35.72	.05	.4782	-.0133	.4111	-.0011	.0017	-.0166	
12351	.299	5982.6	37.49	.05	.5069	-.0156	.4355	-.0014	.0017	-.0178	
12352	.299	5973.2	39.72	.06	.5399	-.0186	.4624	-.0015	-.0006	-.0161	
12353	.300	6027.9	42.04	.05	.5750	-.0220	.4885	-.0011	-.0056	-.0135	
12354	.299	5980.5	43.87	.07	.6082	-.0247	.5108	-.0006	-.0096	-.0123	
12355	.299	5990.8	45.50	.06	.6340	-.0270	.5303	-.0000	-.0123	-.0165	
12356	.299	5975.1	47.61	.07	.6638	-.0299	.5483	.0004	-.0123	-.0201	
12357	.300	6011.5	-.44	.01	-.0061	.0127	-.0023	-.0001	.0009	-.0088	

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 72		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	COB2
			ALPHA2 DEG	BETA2 DEG							
12329	.301	6049.6	-4.42	-.01	-.0013	.0065	-.0024	.0001	-.0001	-.0005	.0006
12330	.300	6031.8	-4.14	-.06	-.0298	.0085	-.0325	.0001	.0001	-.0002	.0007
12331	.300	6030.0	-2.04	-.03	-.0094	.0076	-.0115	.0001	-.0001	-.0007	.0006
12332	.301	6042.6	-.63	-.01	.0002	.0072	-.0007	.0001	-.0001	-.0006	.0005
12333	.300	6026.8	1.97	.03	.0173	.0076	.0181	.0002	-.0000	-.0006	.0005
12334	.300	6018.0	3.92	.06	.0349	.0092	.0359	.0002	-.0002	-.0008	.0006
12335	.301	6041.6	6.10	.09	.0558	.0124	.0578	.0002	-.0002	-.0008	.0007
12336	.301	6057.2	7.97	.12	.0742	.0163	.0770	.0002	-.0003	-.0010	.0008
12337	.301	6032.7	10.11	.15	.0957	.0223	.0991	.0001	-.0004	-.0011	.0010
12338	.301	6038.0	12.04	.17	.1165	.0291	.1214	.0001	-.0003	-.0008	.0013
12339	.300	6026.3	14.05	.21	.1391	.0383	.1458	.0001	-.0005	-.0012	.0015
12340	.300	6024.6	16.18	.24	.1634	.0496	.1726	.0001	-.0006	-.0015	.0020
12341	.300	6024.3	17.81	.26	.1809	.0593	.1928	.0001	-.0006	-.0014	.0023
12342	.301	6035.2	19.99	.30	.2054	.0747	.2212	-.0000	-.0008	-.0019	.0027
12343	.300	6029.0	21.74	.33	.2247	.0885	.2437	-.0000	-.0007	-.0017	.0031
12344	.300	6008.4	23.86	.36	.2491	.1075	.2727	-.0001	-.0009	-.0020	.0034
12345	.299	5991.8	25.69	.38	.2690	.1253	.2976	-.0002	-.0009	-.0021	.0036
12346	.300	5996.7	27.93	.40	.2775	.1410	.3197	-.0001	-.0006	-.0013	.0031
12347	.299	5984.0	29.84	.43	.2909	.1598	.3418	-.0002	-.0008	-.0018	.0039
12348	.300	6004.3	31.52	.44	.3056	.1794	.3638	-.0004	-.0009	-.0018	.0037
12349	.300	6001.1	33.57	.46	.3218	.2043	.3903	-.0006	-.0013	-.0027	.0033
12350	.299	5979.4	35.72	.49	.3331	.2288	.4144	-.0009	-.0016	-.0037	.0021
12351	.299	5982.6	37.49	.51	.3467	.2521	.4386	-.0011	-.0017	-.0036	.0028
12352	.299	5973.2	39.72	.54	.3606	.2799	.4673	-.0017	-.0023	-.0049	.0057
12353	.300	6027.9	42.04	.56	.3703	.3094	.4960	-.0028	-.0035	-.0077	.0057
12354	.299	5980.5	43.87	.59	.3788	.3363	.5222	-.0041	-.0047	-.0104	.0052
12355	.299	5990.8	45.49	.59	.3849	.3602	.5452	-.0058	-.0061	-.0136	.0046
12356	.299	5975.1	47.60	.63	.3868	.3872	.5697	-.0071	-.0069	-.0149	.0036
12357	.300	6011.5	-.44	.00	-.0014	.0059	-.0024	.0001	-.0002	-.0009	.0005

TEST TP	24 MACH	Q PA	RUN 72		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
12329	.301	6049.6	-4.42	-.01	-.0013	.0065	-.0024	.0001	-.0001	-.0005	.0002
12330	.300	6031.8	-4.14	-.06	-.0303	.0064	-.0325	.0001	.0001	-.0002	.0002
12331	.300	6030.0	-2.04	-.03	-.0097	.0072	-.0115	.0001	-.0001	-.0007	.0002
12332	.301	6042.6	-.63	-.01	.0001	.0072	-.0007	.0001	-.0001	-.0006	.0002
12333	.300	6026.8	1.97	.03	.0176	.0070	.0181	.0002	-.0000	-.0006	.0002
12334	.300	6018.0	3.92	.06	.0354	.0068	.0359	.0002	-.0002	-.0008	.0002
12335	.301	6041.6	6.10	.09	.0568	.0064	.0578	.0002	-.0002	-.0008	.0002
12336	.301	6057.2	7.97	.12	.0758	.0059	.0770	.0002	-.0002	-.0010	.0003
12337	.301	6032.7	10.11	.15	.0981	.0051	.0991	.0002	-.0003	-.0011	.0003
12338	.301	6038.0	12.04	.17	.1200	.0041	.1214	.0002	-.0003	-.0008	.0004
12339	.300	6026.3	14.05	.21	.1442	.0034	.1498	.0002	-.0004	-.0012	.0004
12340	.300	6024.6	16.18	.24	.1708	.0022	.1726	.0003	-.0006	-.0015	.0005
12341	.300	6024.3	17.81	.26	.1904	.0011	.1928	.0002	-.0005	-.0014	.0006
12342	.301	6035.2	19.99	.30	.2186	-.0001	.2212	.0002	-.0008	-.0019	.0007
12343	.300	6029.0	21.74	.33	.2415	-.0010	.2437	.0002	-.0007	-.0017	.0008
12344	.300	6008.4	23.86	.36	.2713	-.0024	.2727	.0003	-.0008	-.0020	.0009
12345	.299	5991.8	25.69	.38	.2967	-.0036	.2976	.0002	-.0009	-.0021	.0009
12346	.300	5996.7	27.93	.40	.3112	-.0053	.3197	.0002	-.0005	-.0013	.0038
12347	.299	5984.0	29.84	.43	.3318	-.0061	.3418	.0002	-.0008	-.0018	.0020
12348	.300	6004.3	31.52	.44	.3543	-.0068	.3638	.0002	-.0010	-.0018	.0009
12349	.300	6001.1	33.57	.46	.3810	-.0077	.3903	.0002	-.0014	-.0027	.0008
12350	.299	5979.4	35.72	.49	.4040	-.0087	.4144	.0002	-.0019	-.0037	.0005
12351	.299	5982.6	37.49	.51	.4286	-.0110	.4386	.0002	-.0020	-.0036	.0007
12352	.299	5973.2	39.72	.54	.4562	-.0151	.4673	.0002	-.0029	-.0049	.0014
12353	.300	6027.9	42.04	.56	.4822	-.0182	.4960	.0003	-.0045	-.0077	.0015
12354	.299	5980.5	43.87	.59	.5062	-.0200	.5222	.0003	-.0062	-.0104	.0013
12355	.299	5990.8	45.49	.59	.5267	-.0220	.5452	.0003	-.0084	-.0136	.0012
12356	.299	5975.1	47.60	.63	.5467	-.0246	.5697	.0003	-.0098	-.0149	.0009
12357	.300	6011.5	-.44	.00	-.0015	.0059	-.0024	.0001	-.0002	-.0009	.0002

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN ALPHA 74 DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
12407	.300	6011.8	-.41	-.00	-.0230	.0182	.0046	.0016	-.0013	.0022	.0056
12408	.300	6014.6	-1.86	-.01	-.0871	.0218	.0154	.0016	-.0011	.0022	.0057
12409	.300	6023.5	-.63	-.00	-.0139	.0198	.0030	.0015	-.0011	.0023	.0056
12410	.301	6036.1	2.10	.00	.1248	.0218	-.0199	.0016	-.0010	.0013	.0056
12411	.301	6040.3	4.00	.01	.2138	.0282	-.0339	.0014	-.0010	.0006	.0058
12412	.300	6022.9	6.13	.01	.3686	.0505	-.0566	.0011	-.0009	-.0001	.0062
12413	.299	5978.7	8.13	.02	.5014	.0798	-.0768	.0016	-.0007	-.0018	.0065
12414	.300	6011.3	9.89	.02	.6078	.1116	-.0865	.0019	-.0007	-.0035	.0068
12415	.300	6003.9	12.14	.03	.7669	.1682	-.1044	.0032	-.0013	-.0038	.0067
12416	.300	6011.7	13.90	.03	.8993	.2251	-.1232	.0017	-.0014	-.0048	.0069
12417	.300	5998.7	15.80	-.01	1.0497	.2986	-.1525	.0017	-.0008	-.0061	.0074
12418	.300	6009.7	18.09	.08	1.2105	.3937	-.1687	.0003	-.0020	-.0078	.0076
12419	.299	5981.4	20.06	.08	1.3846	.4995	-.2028	-.0006	.0018	-.0138	.0073
12420	.300	6002.8	21.61	.07	1.4972	.5844	-.2187	.0018	.0001	-.0144	.0074
12421	.300	5995.7	23.63	.08	1.6284	.6998	-.2301	.0033	-.0007	-.0160	.0071
12422	.300	6027.6	25.85	.09	1.7530	.8323	-.2360	.0055	-.0013	-.0182	.0070
12423	.299	5989.6	27.85	.08	1.8602	.9617	-.2391	.0066	-.0028	-.0185	.0063
12424	.301	6032.7	29.84	.22	1.6776	.9462	-.1295	.0348	-.0566	.0135	.0082
12425	.300	6025.3	31.63	.10	1.5027	.9121	-.0272	.0011	.0011	-.0183	.0099
12426	.300	5992.1	33.92	.09	1.4971	.9934	-.0164	-.0003	.0041	-.0181	.0108
1242	.300	6011.7	35.61	.11	1.4994	1.0583	-.0053	.0004	.0055	-.0201	.0116
12428	.300	6004.9	37.68	.12	1.5005	1.1403	.0065	.0011	.0040	-.0216	.0131
12429	.300	5994.0	39.68	.11	1.4986	1.2203	.0217	.0007	.0014	-.0247	.0146
12430	.300	6014.1	-.42	-.00	-.0215	.0162	.0049	.0016	-.0011	.0046	.0097

TEST TP	24 MACH	Q PA	RUN ALPHA 74 DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY
12407	.300	6011.8	-.41	-.00	-.0231	.0180	.0046	.0016	-.0013	.0022
12408	.300	6014.6	-1.86	-.01	-.0877	.0189	.0154	.0015	-.0011	.0022
12409	.300	6023.5	-.63	-.00	-.0141	.0196	.0030	.0015	-.0011	.0023
12410	.301	6036.1	2.10	.00	.1255	.0172	-.0199	.0016	-.0009	.0013
12411	.301	6040.3	4.00	.01	.2153	.0132	-.0339	.0015	-.0009	.0006
12412	.300	6022.9	6.13	.01	.3719	.0109	-.0566	.0011	-.0008	-.0001
12413	.299	5978.7	8.13	.02	.5077	.0081	-.0768	.0017	-.0005	-.0018
12414	.300	6011.3	9.89	.02	.6179	.0055	-.0865	.0020	-.0003	-.0035
12415	.300	6003.9	12.14	.03	.7852	.0032	-.1044	.0034	-.0006	-.0038
12416	.300	6011.7	13.90	.03	.9271	.0025	-.1232	.0020	-.0009	-.0048
12417	.300	5998.7	15.80	-.01	1.0914	.0016	-.1525	.0018	-.0003	-.0061
12418	.300	6009.7	18.09	.08	1.2729	-.0016	-.1687	.0009	-.0018	-.0078
12419	.299	5981.4	20.06	.08	1.4720	-.0058	-.2028	-.0012	.0015	-.0138
12420	.300	6002.8	21.61	.07	1.6072	-.0081	-.2187	.0017	.0007	-.0144
12421	.300	5995.7	23.63	.08	1.7723	-.0114	-.2301	.0034	.0007	-.0160
12422	.300	6027.6	25.85	.09	1.9405	-.0152	-.2360	.0055	.0012	-.0182
12423	.299	5989.6	27.85	.08	2.0940	-.0189	-.2391	.0071	.0006	-.0185
12424	.301	6032.7	29.84	.22	1.9260	-.0140	-.1295	.0584	-.0318	.0135
12425	.300	6025.3	31.63	.10	1.7578	-.0114	-.0272	.0003	.0015	-.0183
12426	.300	5992.1	33.92	.09	1.7967	-.0111	-.0164	-.0026	.0032	-.0181
12427	.300	6011.7	35.61	.11	1.8352	-.0125	-.0053	-.0029	.0048	-.0201
12428	.300	6004.9	37.68	.12	1.8846	-.0148	.0065	-.0015	.0039	-.0216
12429	.300	5994.0	39.68	.11	1.9325	-.0175	.0217	-.0004	.0015	-.0247
12430	.300	6014.1	-.42	-.00	-.0216	.0180	.0049	.0016	-.0011	.0046

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN ALPHA2 74 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
12407	.300	6011.8	-.41	-.01	-.0017	.0054	-.0020	.0000	.0002	-.0004	.0009
12408	.300	6014.6	-1.86	-.03	-.0129	.0060	-.0131	.0001	.0000	-.0006	.0007
12409	.300	6023.5	-.63	-.01	-.0007	.0062	-.0009	-.0000	.0002	-.0003	.0009
12410	.301	6036.1	2.09	.03	.0245	.0074	.0234	.0001	-.0000	-.0006	.0014
12411	.301	6040.3	4.00	.06	.0422	.0087	.0392	.0001	-.0001	-.0006	.0017
12412	.300	6022.9	6.13	.09	.0748	.0142	.0685	.0001	-.0002	-.0007	.0025
12413	.299	5978.7	8.13	.13	.1030	.0205	.0939	.0001	-.0003	-.0009	.0040
12414	.300	6011.3	9.89	.15	.1288	.0275	.1173	.0000	-.0005	-.0012	.0053
12415	.300	6003.9	12.14	.18	.1656	.0400	.1507	.0001	-.0005	-.0010	.0076
12416	.300	6011.7	13.90	.21	.1951	.0521	.1780	-.0000	-.0007	-.0011	.0096
12417	.300	5998.7	15.80	.20	.2276	.0673	.2087	.0000	-.0004	-.0004	.0121
12418	.300	6009.7	18.08	.31	.2673	.0893	.2472	-.0002	-.0009	-.0011	.0156
12419	.299	5981.4	20.06	.33	.3026	.1117	.2821	-.0003	-.0008	-.0011	.0189
12420	.300	6002.8	21.61	.35	.3290	.1313	.3093	-.0004	-.0010	-.0014	.0213
12421	.300	5995.7	23.62	.38	.3624	.1584	.3451	-.0004	-.0009	-.0012	.0246
12422	.300	6027.6	25.84	.41	.3974	.1916	.3848	-.0005	-.0009	-.0011	.0281
12423	.299	5989.6	27.85	.43	.4288	.2249	.4223	-.0006	-.0008	-.0010	.0311
12424	.301	6032.7	29.84	.59	.4374	.2463	.4443	-.0013	-.0025	-.0046	.0309
12425	.300	6025.3	31.62	.50	.4410	.2648	.4621	-.0011	-.0016	-.0026	.0304
12426	.300	5992.1	33.92	.51	.4480	.2937	.4898	-.0014	-.0021	-.0031	.0323
12427	.300	6011.7	35.60	.55	.4555	.3154	.5108	-.0014	-.0021	-.0030	.0349
12428	.300	6004.9	37.68	.58	.4649	.3450	.5376	-.0020	-.0026	-.0045	.0364
12429	.300	5994.0	39.67	.59	.4737	.3753	.5640	-.0031	-.0039	-.0076	.0366
12430	.300	6014.1	-.42	-.01	-.0004	.0066	-.0019	.0002	-.0003	-.0023	-.0001

TEST TF	24 MACH	Q PA	RUN ALPHA2 74 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
12407	.300	6011.8	-.41	-.01	-.0018	.0054	-.0020	.0000	.0002	-.0004	.0002
12408	.300	6014.6	-1.86	-.03	-.0131	.0056	-.0131	.0001	.0000	-.0006	.0001
12409	.300	6023.5	-.63	-.01	-.0007	.0062	-.0009	-.0000	.0002	-.0003	.0002
12410	.301	6036.1	2.09	.03	.0248	.0065	.0234	.0001	-.0000	-.0006	.0003
12411	.301	6040.3	4.00	.06	.0427	.0097	.0392	.0001	-.0001	-.0006	.0004
12412	.300	6022.9	6.13	.09	.0759	.0061	.0685	.0001	-.0002	-.0007	.0006
12413	.299	5978.7	8.13	.13	.1048	.0057	.0939	.0001	-.0003	-.0009	.0010
12414	.300	6011.3	9.89	.15	.1316	.0050	.1173	.0001	-.0004	-.0012	.0014
12415	.300	6003.9	12.14	.18	.1703	.0043	.1507	.0002	-.0005	-.0010	.0019
12416	.300	6011.7	13.90	.21	.2019	.0037	.1780	.0001	-.0006	-.0011	.0025
12417	.300	5998.7	15.80	.20	.2373	.0028	.2087	.0001	-.0004	-.0004	.0031
12418	.300	6009.7	18.08	.31	.2818	.0019	.2472	.0001	-.0009	-.0011	.0040
12419	.299	5981.4	20.06	.33	.3225	.0011	.2821	.0000	-.0009	-.0011	.0048
12420	.300	6002.8	21.61	.35	.3543	.0009	.3093	.0000	-.0011	-.0014	.0055
12421	.300	5995.7	23.62	.38	.3955	-.0000	.3451	-.0000	-.0010	-.0012	.0063
12422	.300	6027.6	25.84	.41	.4412	-.0008	.3848	-.0001	-.0010	-.0011	.0072
12423	.299	5989.6	27.85	.43	.4842	-.0015	.4223	-.0002	-.0010	-.0010	.0080
12424	.301	6032.7	29.84	.59	.5020	-.0039	.4443	.0001	-.0028	-.0046	.0079
12425	.300	6025.3	31.62	.50	.5144	-.0058	.4621	-.0001	-.0020	-.0026	.0078
12426	.300	5992.1	33.92	.51	.5356	-.0063	.4898	.0000	-.0026	-.0031	.0083
12427	.300	6011.7	35.60	.55	.5540	-.0068	.5108	.0000	-.0025	-.0030	.0090
12428	.300	6004.9	37.68	.58	.5788	-.0111	.5376	-.0000	-.0033	-.0045	.0094
12429	.300	5994.0	39.67	.59	.6042	-.0135	.5640	.0001	-.0049	-.0076	.0094
12430	.300	6014.1	-.42	-.01	-.0004	.0066	-.0019	.0002	-.0003	-.0023	-.0000

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 75		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
12442	.700	25111.9	-4.53	-.01	-.0309	.0179	.0052	.0018	-.0011	.0047	.0061
12443	.699	25045.7	-2.08	-.01	-.1095	.0214	.0134	.0018	-.0012	.0057	.0061
12444	.699	25072.6	-.69	-.01	-.0202	.0182	.0042	.0018	-.0011	.0047	.0061
12445	.700	25092.1	2.23	-.00	.1420	.0217	-.0129	.0020	-.0011	.0044	.0060
12446	.700	25095.9	4.12	.00	.2674	.0334	-.0240	.0014	-.0008	.0034	.0061
12447	.701	25159.9	6.05	.01	.3825	.0531	-.0339	.0011	-.0006	.0027	.0064
12448	.700	25108.5	7.79	.02	.5386	.0847	-.0474	.0021	-.0005	.0016	.0069
12449	.701	25140.5	9.98	.03	.6752	.1283	-.0549	.0017	-.0003	-.0001	.0073
12450	.700	25107.6	12.29	.05	.8424	.1923	-.0493	.0017	-.0006	-.0013	.0077
12451	.700	25099.3	13.95	.06	.9355	.2412	-.0387	.0014	-.0005	-.0019	.0078
12453	.698	25030.6	15.87	.08	1.0682	.3134	-.0417	.0018	-.0010	-.0023	.0082
12454	.702	25182.9	17.83	.09	1.2064	.3964	-.0435	.0020	-.0004	-.0045	.0088
12455	.706	25418.3	20.06	.02	1.3662	.5047	-.0490	.0022	.0007	-.0081	.0090
12456	.700	25138.2	21.98	.13	1.4838	.6028	-.0415	.0020	-.0002	-.0076	.0087
12457	.701	25143.4	-.55	-.03	-.0324	.0204	.0060	.0020	-.0011	.0075	.0062

TEST TP	24 MACH	Q PA	RUN 75		CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
12442	.700	25111.9	-4.53	-.01	-.0310	.0176	.0052	.0018	-.0012	.0047
12443	.699	25045.7	-2.08	-.01	-.1102	.0174	.0134	.0018	-.0012	.0057
12444	.699	25072.6	-.69	-.01	-.0204	.0180	.0042	.0018	-.0011	.0047
12445	.700	25092.1	2.23	-.00	.1428	.0161	-.0129	.0021	-.0010	.0044
12446	.700	25095.9	4.12	.00	.2691	.0141	-.0240	.0015	-.0007	.0034
12447	.701	25159.9	6.05	.01	.3860	.0125	-.0339	.0012	-.0005	.0027
12448	.700	25108.5	7.79	.02	.5452	.0109	-.0474	.0021	-.0002	.0016
12449	.701	25140.5	9.98	.03	.6872	.0094	-.0549	.0018	.0000	-.0001
12450	.700	25107.6	12.29	.05	.8641	.0086	-.0493	.0018	-.0002	-.0013
12451	.700	25099.3	13.95	.06	.9661	.0086	-.0387	.0015	-.0001	-.0019
12453	.698	25030.6	15.87	.08	1.1132	.0093	-.0417	.0021	-.0005	-.0023
12454	.702	25182.9	17.83	.09	1.2698	.0081	-.0435	.0021	.0003	-.0045
12455	.706	25418.3	20.06	.02	1.4564	.0055	-.0490	.0018	.0014	-.0081
12456	.700	25138.2	21.98	.13	1.6015	.0036	-.0415	.0020	.0006	-.0076
12457	.701	25143.4	-.55	-.03	-.0326	.0201	.0060	.0020	-.0011	.0075

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 75		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
12442	.700	25111.9	-4.53	-.02	-.0056	.0064	-.0052	.0001	.0003	-.0001	.0007
12443	.699	25045.7	-2.08	-.04	-.0252	.0073	-.0227	.0002	.0004	-.0000	.0004
12444	.699	25072.6	-.69	-.02	-.0029	.0066	-.0029	.0001	.0002	-.0004	.0010
12445	.700	25092.1	2.23	.02	.0372	.0082	.0327	.0002	.0003	-.0002	.0017
12446	.700	25095.9	4.12	.06	.0747	.0117	.0624	.0003	.0002	-.0003	.0025
12447	.701	25159.9	6.05	.09	.1092	.0177	.0905	.0003	.0001	-.0003	.0037
12448	.700	25108.5	7.79	.12	.1561	.0271	.1291	.0004	.0000	-.0002	.0052
12449	.701	25140.5	9.98	.16	.1996	.0411	.1654	.0003	-.0003	-.0008	.0066
12450	.700	25107.6	12.29	.21	.2583	.0616	.2165	.0003	-.0005	-.0014	.0094
12451	.700	25099.3	13.95	.24	.2946	.0786	.2491	.0002	-.0005	-.0018	.0112
12453	.698	25030.6	15.87	.28	.3386	.1013	.2902	.0000	-.0004	-.0017	.0110
12454	.702	25182.9	17.82	.31	.3846	.1283	.3337	.0001	-.0004	-.0018	.0133
12455	.706	25418.3	20.05	.27	.4294	.1600	.3808	.0002	-.0002	-.0009	.0160
12456	.700	25138.2	21.98	.41	.4607	.1870	.4191	.0001	-.0004	-.0011	.0183
12457	.701	25143.4	-.55	-.03	-.0046	.0070	-.0055	.0001	.0007	.0013	.0015

TEST TP	24 MACH	Q PA	RUN 75		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
12442	.700	25111.9	-4.53	-.02	-.0057	.0063	-.0052	.0001	.0003	-.0001	.0002
12443	.699	25045.7	-2.08	-.04	-.0255	.0064	-.0227	.0002	.0004	-.0000	.0001
12444	.699	25072.6	-.69	-.02	-.0030	.0066	-.0029	.0001	.0002	-.0004	.0002
12445	.700	25092.1	2.23	.02	.0375	.0067	.0327	.0002	.0003	-.0002	.0004
12446	.700	25095.9	4.12	.06	.0754	.0063	.0624	.0003	.0002	-.0003	.0006
12447	.701	25159.9	6.05	.09	.1104	.0061	.0905	.0003	.0002	-.0003	.0010
12448	.700	25108.5	7.79	.12	.1583	.0057	.1291	.0004	.0001	-.0002	.0013
12449	.701	25140.5	9.98	.16	.2037	.0059	.1654	.0004	-.0002	-.0008	.0017
12450	.700	25107.6	12.29	.21	.2655	.0052	.2165	.0004	-.0004	-.0014	.0024
12451	.700	25099.3	13.95	.24	.3049	.0052	.2491	.0003	-.0004	-.0018	.0029
12453	.698	25030.6	15.87	.28	.3534	.0049	.2902	.0001	-.0004	-.0017	.0029
12454	.702	25182.9	17.82	.31	.4054	.0044	.3337	.0002	-.0003	-.0018	.0035
12455	.706	25418.3	20.05	.27	.4582	.0030	.3808	.0002	-.0001	-.0009	.0042
12456	.700	25138.2	21.98	.41	.4972	.0010	.4191	.0002	-.0003	-.0011	.0048
12457	.701	25143.4	-.55	-.03	-.0047	.0070	-.0055	.0001	.0007	.0013	.0004

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7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 76 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
12460	.501	15030.7	-4.7	.00	-.0307	.0190	.0035	.0014	-.0011	.0009	.0059
12461	.501	15021.2	-2.00	-.01	-.1039	.0230	.0096	.0015	-.0014	.0016	.0059
12462	.501	15030.1	-.62	.00	-.0164	.0196	.0018	.0010	-.0013	.0005	.0060
12463	.500	14992.4	2.03	.01	.1168	.0201	-.0085	.0012	-.0008	-.0011	.0059
12464	.501	15037.6	3.99	.01	.2389	.0298	-.0163	.0010	-.0005	-.0018	.0060
12465	.500	14991.7	6.04	.02	.3807	.0508	-.0242	.0010	-.0005	-.0029	.0062
12466	.499	14937.4	7.88	.03	.5112	.0792	-.0298	.0015	-.0003	-.0043	.0065
12467	.500	14985.6	9.87	.04	.6467	.1190	-.0306	.0013	-.0002	-.0059	.0069
12468	.499	14959.6	12.20	.05	.8023	.1780	-.0232	.0017	-.0002	-.0075	.0070
12469	.499	14932.0	13.99	.07	.9263	.2347	-.0155	.0014	-.0005	-.0075	.0068
12470	.500	15007.3	16.14	.08	1.0362	.3169	-.0148	.0014	-.0005	-.0096	.0070
12471	.500	14990.2	18.27	.09	1.2369	.4092	-.0098	.0020	-.0014	-.0105	.0075
12472	.498	14871.0	20.05	.09	1.3746	.5005	-.0092	.0019	-.0009	-.0133	.0076
12473	.500	14983.9	21.76	.10	1.4969	.5943	-.0057	.0024	-.0013	-.0142	.0076
12474	.500	14995.2	24.01	.07	1.6381	.7236	.0080	.0028	-.0001	-.0178	.0067
12475	.499	14957.9	26.33	-.01	1.7544	.8593	.0357	.0021	-.0004	-.0180	.0074
12476	.501	15009.9	28.05	.08	1.8206	.9586	.0634	.0010	.0051	-.0249	.0081
12477	.500	14961.9	29.73	.10	1.8948	1.0677	.0790	.0047	.0026	-.0261	.0080
12478	.501	15027.7	-.47	.00	-.0290	.0183	.0040	.0019	-.0008	.0005	.0060

TEST TP	24 MACH	Q PA	RUN 76 ALPHA DEG	BETA DEG	CM	CA	CM	CRM	CYM	CY
12460	.501	15030.7	-4.7	.00	-.0309	.0189	.0035	.0014	-.0011	.0009
12461	.501	15021.2	-2.00	-.01	-.1046	.0193	.0095	.0014	-.0014	.0016
12462	.501	15030.1	-.62	.00	-.0166	.0194	.0018	.0010	-.0013	.0005
12463	.500	14992.4	2.03	.01	.1175	.0160	-.0085	.0012	-.0008	-.0011
12464	.501	15037.6	3.99	.01	.2404	.0131	-.0163	.0011	-.0004	-.0018
12465	.500	14991.7	6.04	.02	.3840	.0105	-.0242	.0010	-.0003	-.0029
12466	.499	14937.4	7.88	.03	.5172	.0084	-.0298	.0015	-.0001	-.0043
12467	.500	14985.6	9.87	.04	.6575	.0064	-.0306	.0013	.0001	-.0059
12468	.499	14959.6	12.20	.06	.8218	.0045	-.0232	.0017	.0002	-.0075
12469	.499	14932.0	13.99	.07	.9556	.0039	-.0155	.0015	-.0001	-.0075
12470	.500	15007.3	16.14	.08	1.1315	.0024	-.0148	.0015	-.0001	-.0096
12471	.500	14990.2	18.27	.09	1.3028	.0009	-.0098	.0023	-.0007	-.0105
12472	.498	14871.0	20.05	.09	1.4628	-.0010	-.0092	.0021	-.0002	-.0133
12473	.500	14983.9	21.76	.10	1.6105	-.0029	-.0057	.0027	-.0004	-.0142
12474	.500	14995.2	24.01	.07	1.7907	-.0055	.0080	.0026	.0010	-.0178
12475	.499	14957.9	26.33	-.01	1.9535	-.0081	.0357	.0021	.0006	-.0180
12476	.501	15009.9	28.05	.08	2.0576	-.0102	.0634	-.0015	.0050	-.0249
12477	.500	14961.9	29.73	.10	2.1749	-.0125	.0790	.0028	.0046	-.0261
12478	.501	15027.7	-.47	.00	-.0291	.0181	.0040	.0019	-.0009	.0005

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7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 76 ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
12460	.501	15030.7	-4.7	-.00	-.0053	.0077	-.0041	.0001	.0001	-.0002	.0014
12461	.501	15021.2	-2.00	-.03	-.0239	.0088	-.0209	.0001	.0001	-.0013	.0014
12462	.501	15030.1	-.62	-.01	-.0014	.0082	-.0007	.0001	-.0001	-.0018	.0019
12463	.500	14992.4	2.03	.04	.0346	.0079	.0301	.0001	-.0000	-.0009	.0014
12464	.501	15037.6	3.99	.06	.0720	.0111	.0604	.0002	-.0001	-.0010	.0020
12465	.500	14991.7	6.04	.10	.1163	.0177	.0959	.0003	-.0001	-.0007	.0030
12466	.499	14937.4	7.87	.13	.1565	.0268	.1320	.0003	-.0002	-.0008	.0041
12467	.500	14985.6	9.87	.17	.2043	.0390	.1709	.0003	-.0005	-.0014	.0057
12468	.499	14959.6	12.20	.22	.2610	.0581	.2201	.0002	-.0007	-.0020	.0078
12469	.499	14932.0	13.99	.25	.3079	.0768	.2611	.0002	-.0007	-.0020	.0098
12470	.500	15007.3	16.14	.28	.3637	.1045	.3107	.0000	-.0009	-.0027	.0126
12471	.500	14990.2	18.26	.31	.4185	.1365	.3611	-.0000	-.0010	-.0032	.0157
12472	.498	14871.0	20.04	.35	.4656	.1671	.4062	-.0001	-.0011	-.0040	.0185
12473	.500	14983.9	21.75	.37	.5086	.1998	.4491	-.0002	-.0013	-.0049	.0205
12474	.500	14995.2	24.01	.37	.5537	.2466	.5057	-.0004	-.0017	-.0063	.0243
12475	.499	14957.9	26.33	.32	.6176	.2991	.5663	-.0003	-.0016	-.0072	.0275
12476	.501	15009.9	28.05	.43	.6535	.3416	.6103	-.0004	-.0017	-.0074	.0297
12477	.500	14961.9	29.73	.47	.6828	.3801	.6505	.0001	-.0013	-.0040	.0312
12478	.501	15027.7	-.47	-.01	-.0032	.0065	-.0043	.0000	.0006	.0009	.0011

TEST TP	24 MACH	Q PA	RUN 76 ALPHA2 DEG	BETA2 DEG	CM2	CA2	CM2	CRM2	CYM2	CY2	CDC2
12460	.501	15030.7	-4.7	-.00	-.0053	.0076	-.0041	.0001	.0001	-.0002	.0003
12461	.501	15021.2	-2.00	-.03	-.0242	.0079	-.0209	.0001	.0000	-.0013	.0003
12462	.501	15030.1	-.62	-.01	-.0015	.0082	-.0007	.0001	-.0001	-.0018	.0005
12463	.500	14992.4	2.03	.04	.0349	.0066	.0301	.0001	-.0000	-.0009	.0004
12464	.501	15037.6	3.99	.06	.0726	.0060	.0604	.0002	-.0001	-.0010	.0005
12465	.500	14991.7	6.04	.10	.1175	.0053	.0969	.0003	-.0001	-.0007	.0008
12466	.499	14937.4	7.87	.13	.1606	.0048	.1320	.0003	-.0002	-.0008	.0011
12467	.500	14985.6	9.87	.17	.2080	.0034	.1709	.0003	-.0004	-.0014	.0014
12468	.499	14959.6	12.20	.22	.2674	.0016	.2201	.0003	-.0006	-.0020	.0020
12469	.499	14932.0	13.99	.25	.3174	.0001	.2611	.0003	-.0006	-.0020	.0025
12470	.500	15007.3	16.14	.28	.3784	-.0007	.3107	.0003	-.0009	-.0027	.0032
12471	.500	14990.2	18.26	.31	.4402	-.0015	.3611	.0003	-.0009	-.0032	.0040
12472	.498	14871.0	20.04	.35	.4947	-.0026	.4062	.0003	-.0011	-.0040	.0047
12473	.500	14983.9	21.75	.37	.5464	-.0030	.4491	.0003	-.0013	-.0049	.0052
12474	.500	14995.2	24.01	.37	.6153	-.0041	.5057	.0004	-.0017	-.0063	.0062
12475	.499	14957.9	26.33	.32	.6862	-.0059	.5663	.0004	-.0016	-.0072	.0070
12476	.501	15009.9	28.05	.43	.7373	-.0058	.6103	.0005	-.0017	-.0074	.0076
12477	.500	14961.9	29.73	.47	.7814	-.0085	.6505	.0007	-.0010	-.0040	.0080
12478	.501	15027.7	-.47	-.01	-.0032	.0065	-.0043	.0000	.0006	.0009	.0003



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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 77		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
12481	.301	6038.1	-4.42	.00	-.0256	.0188	.0031	.0019	-.0009	.0008	.0057
12482	.300	6007.0	-2.12	-.00	-.1136	.0232	.0097	.0017	-.0009	.0014	.0057
12483	.300	6012.6	-.60	-.00	-.0158	.0197	.0022	.0016	-.0010	.0009	.0056
12484	.300	6019.0	2.21	.01	.1260	.0213	-.0088	.0016	-.0007	-.0013	.0056
12485	.300	6027.1	3.79	.01	.2191	.0287	-.0135	.0013	-.0006	-.0023	.0057
12486	.300	6011.6	5.77	.01	.3536	.0469	-.0187	.0015	-.0004	-.0031	.0060
12487	.301	6053.7	7.85	.02	.4940	.0763	-.0229	.0016	-.0004	-.0045	.0064
12488	.300	6029.6	10.15	.02	.6466	.1210	-.0198	.0016	-.0004	-.0064	.0067
12489	.300	6005.2	11.93	.02	.7706	.1660	-.0144	.0021	-.0002	-.0079	.0066
12490	.301	6047.6	14.00	.02	.9129	.2292	-.0043	.0019	-.0004	-.0086	.0063
12491	.301	6036.0	16.23	.03	1.0837	.3145	-.0005	.0016	-.0007	-.0106	.0064
12492	.300	5995.8	17.75	.04	1.2057	.3835	.0015	.0012	-.0008	-.0119	.0069
12493	.299	5990.6	20.11	.04	1.3835	.5005	.0040	.0010	.0014	-.0164	.0068
12494	.300	5998.4	21.87	.06	1.5212	.6018	.0075	.0014	.0026	-.0202	.0062
12495	.300	6014.8	23.92	.08	1.6542	.7216	.0240	.0034	.0009	-.0210	.0064
12496	.299	5988.6	25.95	.10	1.7695	.8453	.0480	.0041	-.0018	-.0191	.0067
12497	.299	5970.4	27.94	.09	1.8538	.9624	.0874	.0083	-.0065	-.0167	.0065
12498	.301	6044.7	29.81	.09	1.9340	1.0832	.1180	.0044	-.0030	-.0217	.0064
12499	.300	6008.3	31.92	.11	1.7927	1.0921	.2098	.0022	-.0003	-.0235	.0081
12500	.300	6002.3	33.75	.12	1.8019	1.1766	.2265	.0016	.0024	-.0255	.0086
12501	.300	6002.0	35.68	.11	1.8027	1.2648	.2405	.0018	.0021	-.0246	.0091
12502	.300	5997.6	37.86	.12	1.7952	1.3636	.2614	.0019	.0022	-.0262	.0102
12503	.299	5983.1	39.72	.14	1.7711	1.4361	.2805	.0019	.0012	-.0267	.0115
12504	.299	5982.0	-.41	.00	-.0288	.0173	.0032	.0014	-.0008	-.0029	.0056

TEST TP	24 MACH	Q PA	RUN 77		CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
12481	.301	6038.1	-4.42	.00	-.0257	.0186	.0031	.0019	-.0009	.0008
12482	.300	6007.0	-2.12	-.00	-.1144	.0190	.0097	.0016	-.0010	.0014
12483	.300	6012.6	-.60	-.00	-.0160	.0195	.0022	.0015	-.0010	.0009
12484	.300	6019.0	2.21	.01	.1267	.0165	-.0088	.0016	-.0007	-.0013
12485	.300	6027.1	3.79	.01	.2205	.0141	-.0135	.0013	-.0005	-.0023
12486	.300	6011.6	5.77	.01	.3566	.0110	-.0187	.0016	-.0003	-.0031
12487	.301	6053.7	7.85	.02	.4998	.0081	-.0229	.0017	-.0002	-.0045
12488	.300	6029.6	10.15	.02	.6578	.0052	-.0198	.0017	-.0001	-.0064
12489	.300	6005.2	11.93	.02	.7883	.0032	-.0144	.0021	.0002	-.0079
12490	.301	6047.6	14.00	.02	.9413	.0015	-.0043	.0020	.0001	-.0086
12491	.301	6036.0	16.23	.03	1.1284	-.0010	-.0005	.0017	-.0003	-.0106
12492	.300	5995.8	17.75	.04	1.2652	-.0024	.0015	.0014	-.0004	-.0119
12493	.299	5990.6	20.11	.04	1.4712	-.0057	.0040	.0005	.0016	-.0164
12494	.300	5998.4	21.87	.06	1.6358	-.0082	.0075	.0004	.0029	-.0202
12495	.300	6014.8	23.92	.08	1.8048	-.0111	.0240	.0027	.0022	-.0210
12496	.299	5988.6	25.95	.10	1.9610	-.0144	.0480	.0045	.0002	-.0191
12497	.299	5970.4	27.94	.09	2.0887	-.0183	.0874	.0104	-.0019	-.0167
12498	.301	6044.7	29.81	.09	2.2166	-.0215	.1180	.0053	-.0004	-.0217
12499	.300	6008.3	31.92	.11	2.0991	-.0209	.2098	.0020	.0009	-.0235
12500	.300	6002.3	33.75	.12	2.1519	-.0230	.2265	.0000	.0029	-.0255
12501	.300	6002.0	35.68	.11	2.2020	-.0239	.2405	.0003	.0028	-.0246
12502	.300	5997.6	37.86	.12	2.2542	-.0253	.2614	.0001	.0029	-.0262
12503	.299	5983.1	39.72	.14	2.2800	-.0270	.2805	.0007	.0022	-.0267
12504	.299	5982.0	-.41	.00	-.0289	.0171	.0032	.0014	-.0008	-.0029

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7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 77		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
12481	.301	6038.1	-42	-00	-.0042	.0065	-.0041	.0001	.0004	.0004	.0004
12482	.300	6007.0	-2.12	-.03	-.0276	.0072	-.0250	.0001	.0005	.0006	.0000
12483	.300	6012.6	-.60	-.01	-.0017	.0070	-.0020	.0001	.0003	-.0000	.0004
12484	.300	6019.0	2.21	.03	.0371	.0081	.0324	.0001	.0000	-.0006	.0008
12485	.300	6027.1	3.79	.06	.0671	.0107	.0567	.0002	.0001	-.0004	.0014
12486	.300	6011.6	5.77	.09	.1105	.0171	.0927	.0003	-.0001	-.0007	.0022
12487	.301	6053.7	7.85	.12	.1569	.0268	.1316	.0003	-.0002	-.0012	.0036
12488	.300	6029.6	10.14	.15	.2106	.0420	.1776	.0003	-.0004	-.0017	.0055
12489	.300	6005.2	11.93	.17	.2553	.0577	.2163	.0003	-.0005	-.0019	.0075
12490	.301	6047.6	14.00	.20	.3096	.0804	.2642	.0002	-.0007	-.0022	.0100
12491	.301	6036.0	16.23	.24	.3700	.1087	.3184	.0001	-.0009	-.0028	.0131
12492	.300	5995.8	17.75	.27	.4137	.1327	.3582	-.0001	-.0011	-.0034	.0154
12493	.299	5990.6	20.11	.29	.4772	.1731	.4177	-.0002	-.0013	-.0038	.0189
12494	.300	5998.4	21.87	.34	.5270	.2066	.4658	-.0003	-.0015	-.0043	.0217
12495	.300	6014.8	23.92	.38	.5817	.2546	.5217	-.0002	-.0014	-.0043	.0252
12496	.299	5988.6	25.95	.42	.6328	.3034	.5767	-.0004	-.0017	-.0051	.0280
12497	.299	5970.4	27.93	.44	.6804	.3550	.6308	-.0007	-.0019	-.0055	.0307
12498	.301	6044.7	29.81	.46	.7227	.4070	.6816	-.0009	-.0020	-.0059	.0334
12499	.300	6008.3	31.92	.51	.7179	.4407	.7108	-.0012	-.0021	-.0060	.0315
12500	.300	6002.3	33.75	.54	.7234	.4737	.7392	-.0013	-.0020	-.0059	.0340
12501	.300	6002.0	35.67	.54	.7286	.5087	.7683	-.0016	-.0021	-.0057	.0367
12502	.300	5997.6	37.86	.58	.7343	.5507	.8028	-.0020	-.0025	-.0063	.0394
12503	.299	5983.1	39.71	.62	.7320	.5827	.8261	-.0021	-.0026	-.0060	.0418
12504	.299	5982.0	-.41	-.00	-.0022	.0047	-.0036	-.0002	.0002	.0007	.0002

TEST TP	24 MACH	Q PA	RUN 77		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
12481	.301	6038.1	-42	-00	-.0042	.0065	-.0041	.0001	.0004	.0004	.0001
12482	.300	6007.0	-2.12	-.03	-.0279	.0062	-.0250	.0001	.0005	.0006	-.0000
12483	.300	6012.6	-.60	-.01	-.0017	.0069	-.0020	.0001	.0003	-.0000	.0001
12484	.300	6019.0	2.21	.03	.0374	.0067	.0324	.0001	.0000	-.0006	.0002
12485	.300	6027.1	3.79	.06	.0677	.0062	.0567	.0002	.0001	-.0004	.0004
12486	.300	6011.6	5.77	.09	.1117	.0059	.0927	.0003	-.0001	-.0007	.0005
12487	.301	6053.7	7.85	.12	.1591	.0051	.1316	.0003	-.0002	-.0012	.0009
12488	.300	6029.6	10.14	.15	.2147	.0043	.1776	.0003	-.0003	-.0017	.0014
12489	.300	6005.2	11.93	.17	.2617	.0037	.2163	.0004	-.0004	-.0019	.0019
12490	.301	6047.6	14.00	.20	.3198	.0031	.2642	.0004	-.0006	-.0022	.0025
12491	.301	6036.0	16.23	.24	.3857	.0010	.3184	.0003	-.0009	-.0028	.0033
12492	.300	5995.8	17.75	.27	.4344	.0002	.3582	.0003	-.0011	-.0034	.0039
12493	.299	5990.6	20.11	.29	.5076	-.0016	.4177	.0003	-.0013	-.0038	.0048
12494	.300	5998.4	21.87	.34	.5667	-.0027	.4658	.0002	-.0015	-.0043	.0055
12495	.300	6014.8	23.92	.38	.6350	-.0031	.5217	.0004	-.0013	-.0043	.0065
12496	.299	5988.6	25.95	.42	.7018	-.0041	.5767	.0003	-.0017	-.0051	.0072
12497	.299	5970.4	27.93	.44	.7674	-.0051	.6308	.0002	-.0020	-.0055	.0079
12498	.301	6044.7	29.81	.46	.8294	-.0060	.6816	.0002	-.0022	-.0059	.0086
12499	.300	6008.3	31.92	.51	.8424	-.0055	.7108	.0001	-.0024	-.0060	.0081
12500	.300	6002.3	33.75	.54	.8647	-.0080	.7392	-.0000	-.0024	-.0059	.0088
12501	.300	6002.0	35.67	.54	.8886	-.0117	.7683	-.0001	-.0026	-.0057	.0095
12502	.300	5997.6	37.86	.58	.9177	-.0159	.8028	-.0000	-.0032	-.0063	.0102
12503	.299	5983.1	39.71	.62	.9354	-.0195	.8261	.0001	-.0034	-.0060	.0108
12504	.299	5982.0	-.41	-.00	-.0022	.0047	-.0036	-.0002	.0002	.0007	.0000

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 78 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
12516	.706	25396.9	-5.50	-.01	-.0301	.0162	.0084	.0019	-.0012	.0051	.0062
12517	.701	25166.3	-2.11	-.02	-.1096	.0198	.0283	.0018	-.0012	.0065	.0061
12518	.701	25150.1	-.67	-.02	-.0177	.0165	.0055	.0016	-.0013	.0060	.0062
12519	.700	25129.9	1.89	-.01	.1001	.0180	-.0235	.0020	-.0012	.0048	.0061
12520	.701	25144.6	4.09	.00	.2554	.0293	-.0640	.0017	-.0010	.0032	.0063
12521	.700	25126.3	5.96	.01	.3552	.0460	-.0886	.0018	-.0013	.0033	.0066
12522	.700	25127.6	8.00	.05	.5170	.0787	-.1324	.0023	-.0009	.0009	.0073
12523	.702	25223.2	10.22	.06	.6520	.1213	-.1629	-.0071	.0001	.0006	.0079
12524	.700	25097.9	11.95	.06	.7590	.1632	-.1907	-.0097	.0016	-.0016	.0082
12525	.701	25184.9	13.76	.08	.8033	.1994	-.1807	-.0010	-.0008	-.0010	.0085
12526	.699	25069.2	16.04	.03	.8970	.2612	-.1961	-.0011	.0006	-.0032	.0089
12527	.700	25092.7	17.86	.05	.9498	.3099	-.2041	.0001	.0012	-.0055	.0090
12528	.702	25231.0	19.96	.04	1.0110	.3709	-.2124	-.0029	.0059	-.0110	.0091
12529	.699	25074.3	21.69	.03	1.0628	.4267	-.2212	-.0032	.0090	-.0151	.0097
12530	.703	25268.2	-.51	-.02	-.0293	.0184	.0086	.0021	-.0010	.0072	.0061

TEST TP	24 MACH	Q PA	RUN 78 ALPHA DEG	BETA DEG	CH	CA	CH	CRM	CYM	CY
12516	.706	25396.9	-5.50	-.01	-.0303	.0160	.0084	.0018	-.0013	.0051
12517	.701	25166.3	-2.11	-.02	-.1103	.0158	.0283	.0017	-.0013	.0065
12518	.701	25150.1	-.67	-.02	-.0179	.0163	.0055	.0016	-.0014	.0060
12519	.700	25129.9	1.89	-.01	.1006	.0147	-.0235	.0020	-.0012	.0048
12520	.701	25144.6	4.09	.00	.2569	.0110	-.0640	.0018	-.0009	.0032
12521	.700	25126.3	5.96	.01	.3581	.0088	-.0886	.0019	-.0011	.0033
12522	.700	25127.6	8.00	.05	.5229	.0059	-.1324	.0024	-.0006	.0009
12523	.702	25223.2	10.22	.06	.6632	.0037	-.1629	-.0070	-.0012	.0006
12524	.700	25097.9	11.95	.06	.7763	.0025	-.1907	-.0098	-.0004	-.0016
12525	.701	25184.9	13.76	.08	.8276	.0027	-.1807	-.0008	-.0010	-.0010
12526	.699	25069.2	16.04	.03	.9342	.0032	-.1961	-.0013	.0003	-.0032
12527	.700	25092.7	17.86	.05	.9991	.0037	-.2041	-.0002	.0012	-.0055
12528	.702	25231.0	19.96	.04	1.0769	.0035	-.2124	-.0048	.0045	-.0110
12529	.699	25074.3	21.69	.03	1.1452	.0036	-.2212	-.0083	.0072	-.0151
12530	.703	25268.2	-.51	-.02	-.0295	.0181	.0086	.0020	-.0010	.0072

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 78 ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
12516	.706	25396.9	-5.50	-.02	-.0017	.0043	-.0026	-.0000	.0003	.0003	.0007
12517	.701	25166.3	-2.11	-.05	-.0080	.0048	-.0105	-.0000	.0005	.0006	.0005
12518	.701	25150.1	-.67	-.03	-.0007	.0045	-.0013	-.0000	.0004	.0004	.0005
12519	.700	25129.9	1.89	.02	.0086	.0048	.0104	.0000	.0004	.0002	.0005
12520	.701	25144.6	4.09	.06	.0217	.0065	.0257	.0000	.0002	-.0001	.0006
12521	.700	25126.3	5.96	.09	.0308	.0080	.0360	.0001	.0003	-.0000	.0012
12522	.700	25127.6	8.00	.15	.0454	.0113	.0522	.0000	.0001	-.0005	.0020
12523	.702	25223.2	10.22	.19	.0601	.0155	.0682	.0000	-.0000	-.0006	.0028
12524	.700	25097.9	11.95	.22	.0719	.0196	.0812	-.0000	-.0002	-.0010	.0033
12525	.701	25184.9	13.76	.26	.0838	.0246	.0947	-.0000	-.0003	-.0012	.0041
12526	.699	25069.2	16.04	.23	.1010	.0321	.1143	-.0000	-.0001	-.0012	.0062
12527	.700	25092.7	17.86	.28	.1139	.0387	.1296	-.0001	-.0003	-.0018	.0075
12528	.702	25231.0	19.96	.29	.1293	.0478	.1481	-.0001	.0000	-.0006	.0098
12529	.699	25074.3	21.69	.30	.1432	.0565	.1651	.0000	.0001	-.0008	.0119
12530	.703	25268.2	-.51	-.03	-.0014	.0035	-.0024	.0000	.0003	.0001	.0007

TEST TP	24 MACH	Q PA	RUN 78 ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
12516	.706	25396.9	-5.50	-.02	-.0018	.0043	-.0026	-.0000	.0003	.0003	.0002
12517	.701	25166.3	-2.11	-.05	-.0081	.0045	-.0105	.0000	.0005	.0006	.0001
12518	.701	25150.1	-.67	-.03	-.0008	.0045	-.0013	-.0000	.0004	.0004	.0001
12519	.700	25129.9	1.89	.02	.0087	.0045	.0104	-.0000	.0004	.0002	.0001
12520	.701	25144.6	4.09	.06	.0221	.0049	.0257	.0000	.0002	-.0001	.0002
12521	.700	25126.3	5.96	.09	.0315	.0047	.0360	.0000	.0003	-.0000	.0003
12522	.700	25127.6	8.00	.15	.0465	.0048	.0522	.0000	.0001	-.0005	.0005
12523	.702	25223.2	10.22	.19	.0619	.0046	.0682	.0000	-.0000	-.0006	.0007
12524	.700	25097.9	11.95	.22	.0744	.0047	.0812	.0000	-.0002	-.0010	.0008
12525	.701	25184.9	13.76	.26	.0873	.0039	.0947	.0000	-.0003	-.0012	.0010
12526	.699	25069.2	16.04	.23	.1059	.0030	.1143	-.0000	-.0001	-.0012	.0016
12527	.700	25092.7	17.86	.28	.1202	.0019	.1296	.0000	-.0004	-.0018	.0019
12528	.702	25231.0	19.96	.29	.1378	.0008	.1481	-.0001	.0000	-.0006	.0025
12529	.699	25074.3	21.69	.30	.1539	-.0004	.1651	-.0000	.0001	-.0008	.0031
12530	.703	25268.2	-.51	-.03	-.0015	.0035	-.0024	.0000	.0003	.0001	.0002

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 79		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
12533	.498	14895.1	-4.9	.00	-.0312	.0163	.0077	.0015	-.0009	.0011	.0059
12534	.499	14945.6	-2.14	-.01	-.1170	.0199	.0281	.0014	-.0009	.0019	.0059
12535	.501	15025.7	-.64	-.00	-.0181	.0166	.0047	.0017	-.0009	.0013	.0059
12536	.500	14981.0	2.08	.00	.1182	.0182	-.0272	.0014	-.0009	.0002	.0060
12537	.501	15050.4	3.88	.01	.2239	.0261	-.0535	.0014	-.0008	-.0014	.0051
12538	.500	14998.6	6.12	.02	.3656	.0470	-.0873	.0015	-.0009	-.0023	.0066
12539	.501	15017.3	8.09	.03	.4912	.0749	-.1194	.0011	-.0009	-.0037	.0070
12540	.499	14941.8	9.90	.02	.6149	.1095	-.1478	.0008	-.0006	-.0049	.0073
12541	.500	14976.6	11.83	.02	.7212	.1508	-.1652	-.0015	-.0007	-.0055	.0076
12542	.501	15047.3	13.96	.02	.7983	.1991	-.1714	.0018	-.0012	-.0065	.0079
12543	.500	14964.9	15.92	.03	.8767	.2512	-.1849	.0015	-.0012	-.0075	.0079
12544	.500	14969.7	17.85	.03	.9400	.3050	-.1961	.0006	-.0005	-.0087	.0077
12545	.500	14991.7	19.84	.02	.9948	.3623	-.2063	.0007	-.0001	-.0106	.0076
12546	.500	14974.6	21.93	.05	1.0392	.4228	-.2139	.0003	.0010	-.0133	.0081
12547	.502	15099.0	24.08	-.02	1.0631	.4807	-.2151	-.0005	.0027	-.0185	.0089
12548	.501	15030.7	25.81	-.03	1.0694	.5225	-.2095	-.0016	.0089	-.0261	.0104
12549	.499	14934.8	27.89	-.06	1.1060	.5885	-.2106	-.0014	.0160	-.0316	.0121
12550	.500	14977.9	-.47	.00	-.0308	.0166	.0076	.0016	-.0009	.0015	.0059

TEST TP	24 MACH	Q PA	RUN 79		CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
12533	.498	14895.1	-4.9	.00	-.0313	.0161	.0077	.0015	-.0009	.0011
12534	.499	14945.6	-2.14	-.01	-.1177	.0158	.0281	.0014	-.0010	.0019
12535	.501	15025.7	-.64	-.00	-.0183	.0164	.0047	.0016	-.0009	.0013
12536	.500	14981.0	2.08	.00	.1187	.0139	-.0272	.0015	-.0009	.0002
12537	.501	15050.4	3.88	.01	.2251	.0109	-.0535	.0015	-.0007	-.0014
12538	.500	14998.6	6.12	.02	.3686	.0077	-.0873	.0016	-.0008	-.0025
12539	.501	15017.3	8.09	.03	.4968	.0050	-.1194	.0012	-.0007	-.0037
12540	.499	14941.8	9.90	.02	.6245	.0021	-.1478	.0009	-.0005	-.0049
12541	.500	14976.6	11.83	.02	.7369	-.0002	-.1652	-.0013	-.0010	-.0055
12542	.501	15047.3	13.96	.02	.8227	.0006	-.1714	.0020	-.0007	-.0065
12543	.500	14964.9	15.92	.03	.9120	.0011	-.1849	.0018	-.0008	-.0075
12544	.500	14969.7	17.85	.03	.9882	.0022	-.1961	.0007	-.0003	-.0087
12545	.500	14991.7	19.84	.02	1.0587	.0032	-.2063	.0007	.0001	-.0106
12546	.500	14974.6	21.93	.05	1.1219	.0042	-.2139	-.0001	.0010	-.0133
12547	.502	15099.0	24.08	-.02	1.1667	.0052	-.2151	-.0016	.0023	-.0185
12548	.501	15030.7	25.81	+.03	1.1902	.0047	-.2095	-.0054	.0073	-.0261
12549	.499	14934.8	27.89	-.06	1.2528	.0027	-.2106	-.0088	.0135	-.0316
12550	.500	14977.9	-.47	.00	-.0309	.0164	.0076	.0016	-.0009	.0015

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 79		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDC2
			ALPHA2 DEG	BETA2 DEG							
12533	.498	14895.1	-4.9	-.01	-.0016	.0041	-.0026	-.0000	.0002	-.0001	.0003
12534	.499	14945.6	-2.14	-.03	-.0091	.0044	-.0117	-.0000	.0002	-.0001	.0004
12535	.501	15025.7	-.64	-.01	-.0003	.0044	-.0010	-.0000	.0003	.0000	.0005
12536	.500	14981.0	2.08	.03	.0116	.0050	.0136	.0000	.0002	-.0002	.0007
12537	.501	15050.4	3.88	.06	.0215	.0061	.0248	.0000	.0001	-.0004	.0010
12538	.500	14998.6	6.12	.10	.0356	.0084	.0402	.0000	.0000	-.0006	.0016
12539	.501	15017.3	8.09	.13	.0482	.0113	.0536	.0000	-.0001	-.0010	.0027
12540	.499	14941.8	9.90	.15	.0618	.0153	.0680	.0000	-.0001	-.0012	.0037
12541	.500	14976.6	11.83	.18	.0759	.0199	.0829	-.0000	-.0003	-.0015	.0046
12542	.501	15047.3	13.96	.20	.0915	.0265	.0999	-.0000	-.0003	-.0018	.0057
12543	.500	14964.9	15.92	.23	.1057	.0337	.1158	-.0001	-.0005	-.0020	.0073
12544	.500	14969.7	17.85	.26	.1196	.0414	.1318	-.0001	-.0003	-.0019	.0090
12545	.500	14991.7	19.84	.28	.1336	.0502	.1487	-.0001	-.0003	-.0019	.0106
12546	.500	14974.6	21.92	.33	.1486	.0603	.1669	-.0002	-.0003	-.0017	.0130
12547	.502	15099.0	24.07	.29	.1631	.0717	.1857	-.0003	-.0005	-.0024	.0147
12548	.501	15030.7	25.81	.30	.1738	.0813	.1998	-.0003	-.0006	-.0026	.0158
12549	.499	14934.8	27.89	.29	.1898	.0960	.2203	-.0002	-.0002	-.0018	.0173
12550	.500	14977.9	-.47	-.00	-.0019	.0042	-.0029	.0000	.0003	-.0001	.0005

TEST TP	24 MACH	Q PA	RUN 79		CH2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
12533	.498	14895.1	-4.9	-.01	-.0016	.0041	-.0026	.0000	.0002	-.0001	.0001
12534	.499	14945.6	-2.14	-.03	-.0092	.0040	-.0117	.0000	.0002	-.0001	.0001
12535	.501	15025.7	-.64	-.01	-.0004	.0044	-.0010	-.0000	.0003	.0000	.0001
12536	.500	14981.0	2.08	.03	.0118	.0045	.0136	.0000	.0002	-.0002	.0002
12537	.501	15050.4	3.88	.06	.0219	.0046	.0248	.0000	.0001	-.0004	.0002
12538	.500	14998.6	6.12	.10	.0363	.0046	.0402	.0000	.0000	-.0006	.0004
12539	.501	15017.3	8.09	.13	.0493	.0045	.0536	.0000	-.0001	-.0010	.0007
12540	.499	14941.8	9.90	.15	.0635	.0045	.0680	.0000	-.0001	-.0012	.0009
12541	.500	14976.6	11.83	.18	.0784	.0039	.0829	.0000	-.0003	-.0015	.0012
12542	.501	15047.3	13.96	.20	.0952	.0036	.0999	.0000	-.0003	-.0018	.0014
12543	.500	14964.9	15.92	.23	.1109	.0034	.1158	.0000	-.0005	-.0020	.0019
12544	.500	14969.7	17.85	.26	.1265	.0028	.1318	.0000	-.0004	-.0019	.0023
12545	.500	14991.7	19.84	.28	.1428	.0019	.1487	-.0000	-.0004	-.0019	.0027
12546	.500	14974.6	21.92	.33	.1604	.0005	.1669	-.0001	-.0003	-.0017	.0033
12547	.502	15099.0	24.07	.29	.1781	-.0011	.1857	-.0000	-.0006	-.0024	.0038
12548	.501	15030.7	25.81	.30	.1918	-.0025	.1998	-.0000	-.0007	-.0026	.0041
12549	.499	14934.8	27.89	.29	.2127	-.0039	.2203	-.0000	-.0003	-.0018	.0045
12550	.500	14977.9	-.47	-.00	-.0020	.0041	-.0029	.0000	.0003	-.0001	.0001

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7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 80		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
12553	.299	5983.4	-0.42	-0.00	-0.0252	.0186	.0064	.0016	-.0009	.0016	.0057
12554	.300	6023.4	-1.97	.00	-.0941	.0224	.0225	.0013	-.0008	.0018	.0057
12555	.300	6021.5	-.61	.00	-.0170	.0202	.0045	.0016	-.0008	.0003	.0056
12556	.301	6034.4	2.00	.00	.1105	.0209	-.0248	.0016	-.0008	-.0013	.0057
12557	.301	6028.8	4.14	.00	.2336	.0302	-.0546	.0013	-.0008	-.0024	.0059
12558	.300	6027.2	5.87	.01	.3379	.0453	-.0787	.0016	-.0008	-.0041	.0063
12559	.300	6012.3	7.89	.01	.4654	.0717	-.1096	.0012	-.0008	-.0055	.0067
12560	.300	6006.9	9.81	.01	.5831	.1046	-.1356	.0013	-.0005	-.0078	.0070
12561	.300	6002.9	12.05	.01	.7160	.1525	-.1569	-.0017	-.0003	-.0076	.0074
12562	.300	5992.4	14.03	.01	.8014	.1990	-.1652	.0018	-.0010	-.0095	.0075
12563	.300	5997.0	15.68	.00	.8735	.2440	-.1776	.0017	-.0011	-.0100	.0074
12564	.299	5964.4	17.89	-.00	.9699	.3114	-.1980	.0011	-.0009	-.0121	.0073
12565	.300	6004.4	19.98	-.00	1.0176	.3708	-.2080	.0011	.0001	-.0146	.0068
12566	.300	5992.5	22.01	-.01	1.0563	.4290	-.2153	.0007	.0015	-.0164	.0071
12567	.300	6020.6	23.63	-.02	1.0588	.4676	-.2161	.0002	.0029	-.0181	.0077
12568	.300	6015.4	25.98	.01	1.0526	.5189	-.2110	.0006	.0043	-.0195	.0092
12569	.299	5968.1	27.87	-.03	1.0849	.5775	-.2135	.0011	.0048	-.0197	.0107
12570	.300	6001.9	30.02	-.02	1.1127	.6447	-.2166	.0010	.0063	-.0249	.0117
12571	.300	6023.9	31.94	-.04	1.1330	.7041	-.2187	.0009	.0050	-.0278	.0122
12572	.301	6051.4	34.02	-.05	1.1724	.7855	-.2195	.0012	.0085	-.0333	.0137
12573	.300	6000.0	35.95	-.07	1.1924	.8546	-.2221	.0018	.0099	-.0359	.0149
12574	.299	5985.5	37.85	-.08	1.2138	.9279	-.2222	.0022	.0102	-.0401	.0163
12575	.299	5988.2	39.81	-.09	1.2259	1.0025	-.2193	.0017	.0082	-.0480	.0179
12576	.300	6011.5	42.05	-.13	1.2141	1.0711	-.2036	.0008	.0039	-.0660	.0204
12577	.301	6037.1	-.42	.01	-.0277	.0174	.0065	.0015	-.0005	-.0018	.0057

TEST TP	24 MACH	Q PA	RUN 80		CN	CA	CH	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
12553	.299	5983.4	-0.42	-0.00	-.0254	.0184	.0064	.0016	-.0009	.0016
12554	.300	6023.4	-1.97	.00	-.0948	.0191	.0225	.0012	-.0009	.0018
12555	.300	6021.5	-.61	.00	-.0172	.0200	.0045	.0016	-.0008	.0003
12556	.301	6034.4	2.00	.00	.1112	.0170	-.0248	.0016	-.0007	-.0013
12557	.301	6028.8	4.14	.00	.2351	.0132	-.0546	.0013	-.0007	-.0024
12558	.300	6027.2	5.87	.01	.3407	.0104	-.0787	.0016	-.0006	-.0041
12559	.300	6012.3	7.89	.01	.4709	.0071	-.1096	.0013	-.0006	-.0055
12560	.300	6006.9	9.81	.01	.5924	.0037	-.1356	.0013	-.0003	-.0078
12561	.300	6002.9	12.05	.01	.7321	-.0003	-.1569	-.0016	-.0007	-.0076
12562	.300	5992.4	14.03	.01	.8237	-.0013	-.1652	.0019	-.0005	-.0095
12563	.300	5997.0	15.68	.00	.9070	-.0012	-.1776	.0020	-.0006	-.0100
12564	.299	5964.4	17.89	-.00	1.0187	-.0015	-.1980	.0014	-.0005	-.0121
12565	.300	6004.4	19.98	-.00	1.0831	.0007	-.2080	.0010	.0004	-.0146
12566	.300	5992.5	22.01	-.01	1.1401	.0019	-.2153	.0001	.0017	-.0164
12567	.300	6020.6	23.63	-.02	1.1574	.0039	-.2161	-.0010	.0027	-.0181
12568	.300	6015.4	25.98	.01	1.1736	.0054	-.2110	-.0014	.0042	-.0195
12569	.299	5968.1	27.87	-.03	1.2290	.0034	-.2135	-.0012	.0048	-.0197
12570	.300	6001.9	30.02	-.02	1.2859	.0014	-.2166	-.0022	.0059	-.0249
12571	.300	6023.9	31.94	-.04	1.3339	-.0019	-.2187	-.0019	.0047	-.0278
12572	.301	6051.4	34.02	-.05	1.4112	-.0049	-.2195	-.0037	.0077	-.0333
12573	.300	6000.0	35.95	-.07	1.4670	-.0083	-.2221	-.0044	.0091	-.0359
12574	.299	5985.5	37.85	-.08	1.5278	-.0121	-.2222	-.0045	.0094	-.0401
12575	.299	5988.2	39.81	-.09	1.5835	-.0148	-.2193	-.0039	.0074	-.0480
12576	.300	6011.5	42.05	-.13	1.6189	-.0180	-.2036	-.0020	.0034	-.0660
12577	.301	6037.1	-.42	.01	-.0279	.0172	.0065	.0015	-.0005	-.0018

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN ALPHA2 80 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CD82
12553	.299	5983.4	-4.2	-.01	-.0012	.0048	-.0020	-.0000	.0001	-.0003	.0003
12554	.300	6023.4	-1.97	-.03	-.0072	.0051	-.0093	.0000	.0001	-.0002	.0001
12555	.300	6021.5	-.61	-.01	-.0004	.0054	-.0010	-.0000	.0000	-.0004	.0003
12556	.301	6034.4	2.00	.03	.0118	.0059	.0137	-.0000	.0000	-.0004	.0006
12557	.301	6028.8	4.14	.06	.0237	.0073	.0269	-.0000	-.0001	-.0007	.0009
12558	.300	6027.2	5.87	.08	.0345	.0090	.0386	.0000	-.0001	-.0008	.0014
12559	.300	6012.3	7.89	.11	.0483	.0122	.0533	-.0000	-.0002	-.0012	.0021
12560	.300	6006.9	9.80	.14	.0618	.0159	.0673	-.0000	-.0003	-.0015	.0028
12561	.300	6002.9	12.05	.16	.0801	.0221	.0857	-.0001	-.0006	-.0021	.0048
12562	.300	5992.4	14.03	.19	.0956	.0279	.1023	-.0001	-.0006	-.0024	.0055
12563	.300	5997.0	15.68	.20	.1089	.0343	.1167	-.0001	-.0005	-.0022	.0070
12564	.299	5964.4	17.88	.23	.1258	.0440	.1354	-.0002	-.0008	-.0028	.0092
12565	.300	6004.4	19.98	.25	.1401	.0531	.1522	-.0002	-.0005	-.0026	.0108
12566	.300	5992.5	22.01	.27	.1533	.0629	.1685	-.0002	-.0001	-.0016	.0129
12567	.300	6020.6	23.63	.28	.1625	.0706	.1808	-.0001	.0001	-.0009	.0140
12568	.300	6015.4	25.97	.33	.1750	.0831	.1980	.0001	.0006	.0002	.0150
12569	.299	5968.1	27.87	.31	.1869	.0952	.2139	-.0000	.0003	-.0006	.0162
12570	.300	6001.9	30.02	.35	.1984	.1087	.2310	-.0004	-.0004	-.0025	.0173
12571	.300	6023.9	31.94	.36	.2064	.1201	.2435	-.0012	-.0018	-.0059	.0184
12572	.301	6051.4	34.02	.37	.2209	.1378	.2632	-.0019	-.0026	-.0081	.0205
12573	.300	6000.0	35.95	.37	.2294	.1516	.2802	-.0019	-.0025	-.0077	.0216
12574	.299	5985.5	37.85	.37	.2392	.1670	.2968	-.0025	-.0031	-.0084	.0250
12575	.299	5988.2	39.81	.39	.2501	.1859	.3154	-.0042	-.0049	-.0130	.0316
12576	.300	6011.5	42.05	.37	.2619	.2095	.3374	-.0077	-.0084	-.0227	.0353
12577	.301	6037.1	-.42	.00	-.0018	.0039	-.0022	.0000	.0001	-.0008	-.0000

TEST TP	24 MACH	Q PA	RUN ALPHA2 80 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CD82
12553	.299	5983.4	-4.2	-.01	-.0012	.0048	-.0020	-.0000	.0001	-.0003	.0001
12554	.300	6023.4	-1.97	-.03	-.0074	.0049	-.0093	.0000	.0001	-.0002	.0000
12555	.300	6021.5	-.61	-.01	-.0004	.0054	-.0010	-.0000	.0000	-.0004	.0001
12556	.301	6034.4	2.00	.03	.0120	.0055	.0137	-.0000	.0000	-.0004	.0001
12557	.301	6028.8	4.14	.06	.0242	.0056	.0269	-.0000	-.0001	-.0007	.0002
12558	.300	6027.2	5.87	.08	.0352	.0054	.0386	.0000	-.0001	-.0008	.0003
12559	.300	6012.3	7.89	.11	.0495	.0054	.0533	.0000	-.0002	-.0012	.0005
12560	.300	6006.9	9.80	.14	.0636	.0052	.0673	.0000	-.0003	-.0015	.0006
12561	.300	6002.9	12.05	.16	.0829	.0049	.0857	.0000	-.0006	-.0021	.0012
12562	.300	5992.4	14.03	.19	.0995	.0039	.1023	.0000	-.0006	-.0024	.0014
12563	.300	5997.0	15.68	.20	.1142	.0036	.1167	.0000	-.0005	-.0022	.0018
12564	.299	5964.4	17.88	.23	.1333	.0033	.1354	.0000	-.0008	-.0028	.0023
12565	.300	6004.4	19.98	.25	.1498	.0020	.1522	-.0000	-.0005	-.0026	.0027
12566	.300	5992.5	22.01	.27	.1657	.0008	.1685	-.0001	-.0002	-.0016	.0033
12567	.300	6020.6	23.63	.28	.1772	-.0004	.1808	-.0001	.0001	-.0009	.0035
12568	.300	6015.4	25.97	.33	.1937	-.0020	.1980	-.0002	.0005	.0002	.0038
12569	.299	5968.1	27.87	.31	.2097	-.0032	.2139	-.0001	.0002	-.0006	.0041
12570	.300	6001.9	30.02	.35	.2261	-.0051	.2310	-.0001	-.0005	-.0025	.0044
12571	.300	6023.9	31.94	.36	.2387	-.0073	.2435	-.0001	-.0022	-.0059	.0047
12572	.301	6051.4	34.02	.37	.2602	-.0094	.2652	-.0001	-.0032	-.0081	.0052
12573	.300	6000.0	35.95	.37	.2747	-.0120	.2802	-.0001	-.0032	-.0077	.0055
12574	.299	5985.5	37.85	.37	.2913	-.0149	.2968	-.0001	-.0040	-.0084	.0064
12575	.299	5988.2	39.81	.39	.3111	-.0173	.3154	-.0001	-.0065	-.0130	.0081
12576	.300	6011.5	42.05	.37	.3348	-.0199	.3374	-.0001	-.0114	-.0227	.0091
12577	.301	6037.1	-.42	.00	-.0018	.0038	-.0022	.0000	.0001	-.0008	-.0000

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 82 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
12620	.700	25173.4	-4.45	-0.00	-0.0000	.0095	-.0032	.0004	-.0015	.0029	.0066
12621	.700	25193.9	-3.99	-0.02	-.0129	.0112	-.0206	.0005	-.0015	.0036	.0066
12622	.701	25207.2	-2.17	.00	-.0055	.0100	-.0113	.0004	-.0014	.0043	.0065
12623	.701	25234.8	-.64	-.01	.0012	.0097	-.0023	.0004	-.0016	.0046	.0065
12624	.700	25185.7	2.18	-.01	.0108	.0103	.0108	.0004	-.0017	.0053	.0069
12625	.701	25204.0	4.07	.00	.0196	.0111	.0201	.0003	-.0018	.0057	.0074
12626	.701	25212.4	5.96	-.01	.0297	.0128	.0296	.0003	-.0022	.0066	.0076
12627	.700	25193.7	7.80	-.01	.0412	.0154	.0393	.0002	-.0024	.0063	.0078
12628	.700	25165.6	10.10	-.01	.0557	.0194	.0517	.0001	-.0026	.0068	.0081
12629	.701	25219.9	11.46	-.03	.0623	.0218	.0586	.0001	-.0024	.0069	.0083
12630	.700	25193.9	13.97	-.02	.0810	.0287	.0770	-.0001	-.0022	.0067	.0095
12631	.700	25166.3	15.98	-.04	.0957	.0350	.0910	-.0001	-.0021	.0061	.0105
12632	.699	25152.4	17.84	-.03	.1104	.0421	.1049	-.0001	-.0019	.0048	.0115
12633	.699	25155.6	19.74	-.06	.1249	.0501	.1185	-.0002	-.0009	.0045	.0124
12634	.700	25163.2	21.89	-.05	.1428	.0611	.1362	-.0002	-.0014	.0049	.0134
12635	.700	25187.9	23.92	-.05	.1612	.0738	.1540	-.0003	-.0021	.0057	.0137
12636	.700	25164.0	25.86	-.05	.1770	.0865	.1699	-.0002	-.0035	.0053	.0140
12637	.700	25176.7	27.88	.05	.1976	.1030	.1901	.0007	-.0026	-.0041	.0145
12638	.700	25203.7	29.84	.09	.2219	.1232	.2134	.0026	.0021	-.0248	.0150
12639	.704	25373.0	31.70	.09	.2419	.1424	.2346	.0044	.0113	-.0510	.0154
12640	.700	25162.8	34.08	.09	.2693	.1707	.2602	.0058	.0199	-.0883	.0163
12641	.700	25196.9	35.96	.13	.2957	.1992	.2802	.0013	.0175	-.0984	.0175
12642	.699	25131.9	-.44	-.01	.0015	.0134	-.0022	.0003	-.0014	.0064	.0065

TEST TP	24 MACH	Q PA	RUN 82 ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY
12620	.700	25173.4	-4.45	-0.00	-.0001	.0095	-.0032	.0004	-.0015	.0029
12621	.700	25193.9	-3.99	-0.02	-.0136	.0103	-.0206	.0004	-.0015	.0036
12622	.701	25207.2	-2.17	.00	-.0058	.0098	-.0113	.0004	-.0014	.0043
12623	.701	25234.8	-.64	-.01	.0011	.0097	-.0023	.0004	-.0016	.0046
12624	.700	25185.7	2.18	-.01	.0112	.0098	.0108	.0004	-.0017	.0053
12625	.701	25204.0	4.07	.00	.0203	.0097	.0201	.0005	-.0018	.0057
12626	.701	25212.4	5.96	-.01	.0309	.0096	.0296	.0005	-.0022	.0066
12627	.700	25193.7	7.80	-.01	.0429	.0096	.0393	.0005	-.0023	.0063
12628	.700	25165.6	10.10	-.01	.0582	.0094	.0517	.0006	-.0025	.0068
12629	.701	25219.9	11.46	-.03	.0654	.0090	.0586	.0006	-.0024	.0069
12630	.700	25193.9	13.97	-.02	.0855	.0083	.0770	.0005	-.0022	.0067
12631	.700	25166.3	15.98	-.04	.1016	.0073	.0910	.0005	-.0020	.0061
12632	.699	25152.4	17.84	-.03	.1180	.0062	.1049	.0005	-.0018	.0048
12633	.699	25155.6	19.74	-.06	.1344	.0050	.1185	.0001	-.0009	.0045
12634	.700	25163.2	21.89	-.05	.1553	.0034	.1362	.0003	-.0014	.0049
12635	.700	25187.9	23.92	-.05	.1773	.0021	.1540	.0006	-.0021	.0057
12636	.700	25164.0	25.86	-.05	.1970	.0006	.1699	.0014	-.0032	.0053
12637	.700	25176.7	27.88	.05	.2229	-.0014	.1901	.0019	-.0020	-.0041
12638	.700	25203.7	29.84	.09	.2538	-.0035	.2134	.0012	.0031	-.0248
12639	.704	25373.0	31.70	.09	.2806	-.0059	.2346	-.0022	.0119	-.0510
12640	.700	25162.8	34.08	.09	.3187	-.0095	.2602	-.0064	.0198	-.0883
12641	.700	25196.9	35.96	.13	.3563	-.0124	.2802	-.0092	.0149	-.0984
12642	.699	25131.9	-.44	-.01	.0014	.0134	-.0022	.0003	-.0014	.0064

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## 7 X 10 HIGH SPEED TUNNEL

TEST 24		RUN 82									
TP	MACH	Q PA	ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
12620	.700	25173.4	-4.45	-.01	-.0008	.0046	-.0013	.0000	.0002	-.0000	.0007
12621	.700	25193.9	-3.99	-.07	-.0136	.0054	-.0191	.0000	.0003	-.0000	.0008
12622	.701	25207.2	-2.17	-.03	-.0061	.0050	-.0092	.0000	.0004	.0002	.0007
12623	.701	25234.8	-.64	-.02	-.0003	.0049	-.0006	.0000	.0003	.0001	.0007
12624	.700	25185.7	2.18	.02	.0092	.0053	.0128	.0000	.0003	.0001	.0006
12625	.701	25204.0	4.07	.05	.0165	.0062	.0226	.0001	.0002	-.0002	.0007
12626	.701	25212.4	5.96	.07	.0248	.0075	.0334	.0001	.0003	-.0001	.0007
12627	.700	25193.7	7.80	.09	.0337	.0094	.0448	.0001	.0002	-.0003	.0007
12628	.700	25165.6	10.10	.12	.0448	.0124	.0588	.0001	.0001	-.0003	.0007
12629	.701	25219.9	11.46	.12	.0505	.0144	.0658	.0001	.0001	-.0007	.0007
12630	.700	25193.9	13.97	.16	.0660	.0200	.0850	.0001	-.0000	-.0008	.0006
12631	.700	25166.3	15.98	.17	.0778	.0254	.1000	.0000	.0001	-.0008	.0009
12632	.699	25152.4	17.84	.20	.0894	.0311	.1149	.0000	.0001	-.0008	.0011
12633	.699	25155.6	19.74	.19	.1005	.0376	.1296	.0000	.0002	-.0004	.0012
12634	.700	25163.2	21.89	.23	.1141	.0462	.1478	.0000	.0001	-.0002	.0013
12635	.700	25187.9	23.92	.26	.1276	.0557	.1659	.0001	.0002	-.0001	.0011
12636	.700	25164.0	25.86	.28	.1391	.0653	.1819	.0000	.0000	-.0006	.0009
12637	.700	25176.7	27.88	.40	.1533	.0775	.2021	-.0003	-.0005	-.0019	.0007
12638	.700	25203.7	29.84	.46	.1694	.0908	.2252	-.0010	-.0017	-.0050	.0009
12639	.704	25373.0	31.69	.49	.1825	.1028	.2452	-.0021	-.0032	-.0079	.0019
12640	.700	25162.8	34.07	.51	.2010	.1227	.2730	-.0043	-.0064	-.0151	.0042
12641	.700	25196.9	35.96	.57	.2184	.1428	.2996	-.0071	-.0099	-.0239	.0045
12642	.699	25131.9	-.44	-.02	-.0009	.0047	-.0017	.0000	.0004	.0004	.0007
TEST 24	MACH	Q PA	ALPHA2 DEG	BETA2 DEG	CM2	CA2	CM2	CRM2	CYM2	CY2	CDC2
12620	.700	25173.4	-4.45	-.01	-.0008	.0046	-.0013	.0000	.0002	-.0000	.0002
12621	.700	25193.9	-3.99	-.07	-.0139	.0045	-.0191	.0000	.0003	.0002	.0002
12622	.701	25207.2	-2.17	-.03	-.0063	.0047	-.0092	.0000	.0004	.0002	.0001
12623	.701	25234.8	-.64	-.02	-.0003	.0049	-.0006	.0000	.0003	.0001	.0002
12624	.700	25185.7	2.18	.02	.0094	.0050	.0128	.0000	.0003	.0001	.0001
12625	.701	25204.0	4.07	.05	.0169	.0050	.0226	.0000	.0002	.0002	.0002
12626	.701	25212.4	5.96	.07	.0254	.0049	.0334	.0001	.0003	-.0001	.0002
12627	.700	25193.7	7.80	.09	.0346	.0048	.0448	.0001	.0002	-.0003	.0002
12628	.700	25165.6	10.10	.12	.0463	.0044	.0588	.0001	.0001	-.0006	.0002
12629	.701	25219.9	11.46	.12	.0524	.0040	.0658	.0001	.0001	-.0007	.0001
12630	.700	25193.9	13.97	.16	.0689	.0035	.0850	.0001	.0001	-.0008	.0001
12631	.700	25166.3	15.98	.17	.0818	.0030	.1000	.0000	.0001	-.0008	.0002
12632	.699	25152.4	17.84	.20	.0947	.0022	.1149	.0000	.0000	-.0008	.0003
12633	.699	25155.6	19.74	.19	.1072	.0014	.1296	-.0000	.0002	-.0004	.0003
12634	.700	25163.2	21.89	.23	.1230	.0003	.1478	-.0000	.0001	-.0002	.0003
12635	.700	25187.9	23.92	.26	.1393	-.0008	.1659	-.0000	.0002	-.0001	.0003
12636	.700	25164.0	25.86	.28	.1537	-.0019	.1819	-.0000	.0000	-.0006	.0002
12637	.700	25176.7	27.88	.40	.1718	-.0031	.2021	-.0000	-.0005	-.0019	.0002
12638	.700	25203.7	29.84	.46	.1921	-.0056	.2252	-.0000	-.0020	-.0050	.0002
12639	.704	25373.0	31.69	.49	.2093	-.0084	.2452	-.0001	-.0039	-.0079	.0004
12640	.700	25162.8	34.07	.51	.2353	-.0110	.2730	-.0000	-.0077	-.0151	.0009
12641	.700	25196.9	35.96	.57	.2606	-.0127	.2996	.0000	-.0122	-.0239	.0010
12642	.699	25131.9	-.44	-.02	-.0010	.0047	-.0017	.0000	.0004	.0004	.0002



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## 7 X 10 HIGH SPEED TUNNEL

TEST 24			RUN 83									
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC	
12643	.501	15060.0	-4.43	-.01	.0018	.0162	-.0014	.0002	-.0010	.0072	.0063	
12644	.501	15052.4	-4.06	-.01	-.0116	.0181	-.0188	.0002	-.0009	.0064	.0064	
12645	.501	15072.6	-1.96	-.00	-.0023	.0167	-.0068	.0001	-.0008	.0058	.0062	
12646	.501	15076.4	-.65	-.01	.0022	.0161	-.0007	.0001	-.0009	.0057	.0062	
12647	.500	15013.0	2.05	-.01	.0103	.0160	.0118	.0001	-.0011	.0056	.0067	
12648	.499	14979.2	4.21	-.02	.0200	.0167	.0225	.0001	-.0012	.0054	.0073	
12649	.501	15055.8	6.10	-.02	.0284	.0179	.0316	.0001	-.0015	.0052	.0075	
12650	.500	15024.5	8.06	-.02	.0405	.0202	.0417	.0001	-.0017	.0049	.0078	
12651	.501	15069.7	10.18	-.03	.0534	.0234	.0525	.0000	-.0020	.0047	.0079	
12652	.502	15102.7	12.08	-.04	.0650	.0271	.0642	.0000	-.0019	.0041	.0085	
12653	.500	15013.9	13.89	.04	.0778	.0315	.0768	-.0001	-.0020	.0043	.0093	
12654	.501	15066.5	15.73	.01	.0899	.0364	.0882	-.0001	-.0018	.0034	.0103	
12655	.500	15044.1	17.95	.00	.1055	.0436	.1030	-.0001	-.0015	.0020	.0116	
12656	.500	15040.9	19.90	.01	.1191	.0509	.1160	-.0001	-.0008	.0004	.0126	
12657	.500	15000.6	21.90	.07	.1338	.0602	.1304	-.0001	-.0004	-.0018	.0132	
12658	.499	14991.2	23.96	.09	.1500	.0712	.1454	.0004	-.0005	-.0066	.0136	
12659	.499	14994.4	25.65	.08	.1642	.0816	.1591	.0007	-.0005	-.0095	.0140	
12660	.499	14968.5	27.80	.09	.1838	.0970	.1769	.0013	-.0010	-.0100	.0146	
12661	.501	15032.6	29.78	.08	.1983	.1108	.1899	.0034	.0025	-.0241	.0150	
12662	.499	14967.7	31.80	.08	.2157	.1283	.2091	.0032	.0048	-.0245	.0156	
12663	.500	15039.9	33.70	.05	.2322	.1461	.2263	.0037	.0070	-.0242	.0161	
12664	.499	14958.6	35.81	.05	.2507	.1683	.2457	.0028	.0078	-.0220	.0166	
12665	.499	14962.3	37.65	.05	.2688	.1908	.2630	.0008	.0086	-.0337	.0171	
12666	.500	15022.9	39.64	.14	.2909	.2198	.2813	-.0052	.0027	-.0345	.0175	
12667	.503	15151.8	41.68	.26	.3144	.2544	.3015	-.0186	-.0139	-.0691	.0179	
12668	.500	15029.8	43.88	.27	.3274	.2851	.3277	-.0267	-.0253	-.0480	.0173	
12669	.500	15001.3	45.78	.29	.3466	.3217	.3520	-.0223	-.0218	-.0348	.0171	
12670	.500	15005.0	47.45	.26	.3646	.3581	.3663	-.0143	-.0135	-.0371	.0173	
12671	.500	15032.6	-.47	-.00	-.0021	.0161	-.0013	.0001	-.0008	.0015	.0062	

TEST 24			RUN 83								
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CM	CA	CM	CRM	CYM	CY	
12643	.501	15060.0	-4.43	-.01	.0017	.0162	-.0014	.0002	-.0010	.0072	
12644	.501	15052.4	-4.06	-.01	-.0128	.0172	-.0188	.0001	-.0009	.0064	
12645	.501	15072.6	-1.96	-.00	-.0028	.0166	-.0068	.0001	-.0008	.0058	
12646	.501	15076.4	-.65	-.01	.0021	.0161	-.0007	.0001	-.0009	.0057	
12647	.500	15013.0	2.05	-.01	.0109	.0157	.0118	.0002	-.0010	.0056	
12648	.499	14979.2	4.21	-.02	.0212	.0152	.0225	.0002	-.0012	.0054	
12649	.501	15055.8	6.10	-.02	.0301	.0148	.0316	.0003	-.0015	.0052	
12650	.500	15024.5	8.06	-.02	.0429	.0143	.0417	.0003	-.0017	.0049	
12651	.501	15069.7	10.18	-.03	.0567	.0136	.0525	.0004	-.0020	.0047	
12652	.502	15102.7	12.08	-.04	.0693	.0129	.0642	.0004	-.0018	.0041	
12653	.500	15013.9	13.89	.04	.0831	.0119	.0768	.0004	-.0020	.0043	
12654	.501	15066.5	15.73	.01	.0964	.0107	.0882	.0004	-.0018	.0034	
12655	.500	15044.1	17.95	.00	.1138	.0090	.1030	.0004	-.0015	.0020	
12656	.500	15040.9	19.90	.01	.1293	.0073	.1160	.0002	-.0008	.0004	
12657	.500	15000.6	21.90	.07	.1466	.0060	.1304	.0001	-.0004	-.0018	
12658	.499	14991.2	23.96	.09	.1660	.0042	.1454	.0006	-.0003	-.0066	
12659	.499	14994.4	25.65	.08	.1833	.0024	.1591	.0008	-.0002	-.0095	
12660	.499	14968.5	27.80	.09	.2078	.0001	.1769	.0016	-.0003	-.0100	
12661	.501	15032.6	29.78	.08	.2271	-.0024	.1899	.0017	.0038	-.0241	
12662	.499	14967.7	31.80	.08	.2509	-.0046	.2091	.0002	.0058	-.0245	
12663	.500	15039.9	33.70	.05	.2743	-.0073	.2263	-.0008	.0079	-.0242	
12664	.499	14958.6	35.81	.05	.3018	-.0102	.2457	-.0023	.0080	-.0220	
12665	.499	14962.3	37.65	.05	.3294	-.0131	.2630	-.0046	.0074	-.0337	
12666	.500	15022.9	39.64	.14	.3642	-.0163	.2813	-.0057	-.0013	-.0345	
12667	.503	15151.8	41.68	.26	.4040	-.0191	.3015	-.0046	-.0228	-.0691	
12668	.500	15029.8	43.88	.27	.4336	-.0215	.3277	-.0017	-.0367	-.0480	
12669	.500	15001.3	45.78	.29	.4722	-.0241	.3520	.0001	-.0312	-.0348	
12670	.500	15005.0	47.45	.26	.5104	-.0264	.3663	.0002	-.0197	-.0371	
12671	.500	15032.6	-.47	-.00	-.0023	.0161	-.0013	.0001	-.0008	.0015	

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 83		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
12643	.501	15060.0	-4.43	-.02	-.0007	.0050	-.0015	.0000	.0004	.0004	.0005
12644	.501	15052.4	-4.06	-.06	-.0135	.0058	-.0194	-.0000	.0005	.0006	.0005
12645	.501	15072.6	-1.96	-.03	-.0042	.0053	-.0067	.0000	.0004	.0004	.0004
12646	.501	15076.4	-.64	-.02	.0001	.0051	-.0004	.0000	.0003	.0003	.0004
12647	.500	15013.0	2.05	.02	.0090	.0054	.0123	.0000	.0003	.0002	.0004
12648	.499	14979.2	4.21	.04	.0177	.0064	.0237	.0001	.0002	.0000	.0004
12649	.501	15055.8	6.10	.06	.0253	.0076	.0338	.0001	.0002	-.0001	.0004
12650	.500	15024.5	8.06	.08	.0349	.0096	.0460	.0001	.0001	-.0003	.0005
12651	.501	15069.7	10.18	.10	.0450	.0125	.0585	.0001	.0001	-.0004	.0003
12652	.502	15102.7	12.08	.11	.0549	.0158	.0706	.0001	.0000	-.0007	.0002
12653	.500	15013.9	13.89	.22	.0656	.0199	.0835	.0001	-.0001	-.0011	.0002
12654	.501	15066.5	15.73	.22	.0755	.0244	.0958	.0000	-.0001	-.0013	.0003
12655	.500	15044.1	17.95	.24	.0879	.0309	.1119	-.0000	-.0002	-.0014	.0004
12656	.500	15040.9	19.90	.26	.0987	.0373	.1261	-.0000	-.0001	-.0012	.0005
12657	.500	15000.6	21.90	.35	.1102	.0448	.1413	-.0001	-.0002	-.0013	.0006
12658	.499	14991.2	23.96	.39	.1219	.0534	.1572	-.0003	-.0004	-.0017	.0005
12659	.499	14994.4	25.65	.41	.1322	.0613	.1708	-.0004	-.0007	-.0024	.0004
12660	.499	14968.5	27.80	.44	.1453	.0725	.1890	-.0003	-.0006	-.0021	.0002
12661	.501	15052.6	29.78	.45	.1531	.0810	.2023	-.0006	-.0012	-.0045	.0000
12662	.499	14967.7	31.80	.48	.1647	.0920	.2206	-.0007	-.0011	-.0038	.0016
12663	.500	15039.9	33.70	.47	.1760	.1043	.2374	-.0004	-.0005	-.0019	.0049
12664	.499	14958.6	35.80	.49	.1901	.1216	.2579	-.0004	-.0005	-.0015	.0065
12665	.499	14962.3	37.65	.50	.2037	.1388	.2781	-.0019	-.0023	-.0059	.0068
12666	.500	15022.9	39.63	.61	.2180	.1588	.3009	-.0041	-.0048	-.0125	.0063
12667	.503	15151.8	41.68	.76	.2317	.1808	.3264	-.0147	-.0167	-.0442	.0060
12668	.500	15029.8	43.88	.79	.2442	.2058	.3534	-.0199	-.0204	-.0526	.0050
12669	.500	15001.3	45.78	.82	.2591	.2328	.3854	-.0209	-.0196	-.0472	.0037
1267C	.500	15005.0	47.44	.82	.2683	.2546	.4118	-.0217	-.0187	-.0418	.0029
12671	.500	15032.6	-.47	-.01	-.0011	.0047	-.0020	.0000	.0002	.0000	.0004
TEST TP	24 MACH	Q PA	RUN 83		CN2	CA2	CM2	CRM2	CY42	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
12643	.501	15060.0	-4.43	-.02	-.0007	.0050	-.0015	.0000	.0004	.0004	.0001
12644	.501	15052.4	-4.06	-.06	-.0139	.0048	-.0194	.0000	.0005	.0006	.0001
12645	.501	15072.6	-1.96	-.03	-.0043	.0051	-.0067	.0000	.0004	.0004	.0001
12646	.501	15076.4	-.64	-.02	.0001	.0051	-.0004	.0000	.0003	.0003	.0001
12647	.500	15013.0	2.05	.02	.0092	.0051	.0123	.0000	.0003	.0002	.0001
12648	.499	14979.2	4.21	.04	.0181	.0051	.0237	.0001	.0002	.0000	.0001
12649	.501	15055.8	6.10	.06	.0260	.0049	.0338	.0001	.0002	-.0001	.0001
12650	.500	15024.5	8.06	.08	.0359	.0046	.0460	.0001	.0001	-.0003	.0001
12651	.501	15069.7	10.18	.10	.0466	.0044	.0585	.0001	.0001	-.0004	.0001
12652	.502	15102.7	12.08	.11	.0570	.0040	.0706	.0001	.0001	-.0007	.0000
12653	.500	15013.9	13.89	.22	.0685	.0036	.0835	.0001	-.0001	-.0011	.0000
12654	.501	15066.5	15.73	.22	.0793	.0031	.0958	.0001	-.0001	-.0013	.0001
12655	.500	15044.1	17.95	.24	.0932	.0023	.1119	.0000	-.0001	-.0014	.0001
12656	.500	15040.9	19.90	.26	.1055	.0015	.1261	.0000	-.0001	-.0012	.0001
12657	.500	15000.6	21.90	.35	.1189	.0005	.1413	-.0000	-.0003	-.0013	.0001
12658	.499	14991.2	23.96	.39	.1331	-.0007	.1572	-.0001	-.0005	-.0017	.0001
12659	.499	14994.4	25.65	.41	.1457	-.0019	.1708	-.0000	-.0008	-.0024	.0001
12660	.499	14968.5	27.80	.44	.1623	-.0037	.1890	-.0000	-.0006	-.0021	.0000
12661	.501	15052.6	29.78	.45	.1731	-.0058	.2023	.0001	-.0014	-.0045	-.0000
12662	.499	14967.7	31.80	.48	.1885	-.0086	.2206	.0000	-.0013	-.0038	.0004
12663	.500	15039.9	33.70	.47	.2043	-.0109	.2374	-.0000	-.0006	-.0019	.0012
12664	.499	14958.6	35.80	.49	.2233	-.0126	.2579	-.0001	-.0006	-.0015	.0016
12665	.499	14962.3	37.65	.50	.2460	-.0145	.2781	-.0001	-.0029	-.0059	.0016
12666	.500	15022.9	39.63	.61	.2691	-.0168	.3009	-.0001	-.0064	-.0125	.0015
12667	.503	15151.8	41.68	.76	.2933	-.0190	.3264	.0001	-.0223	-.0442	.0014
12668	.500	15029.8	43.88	.79	.3187	-.0209	.3534	-.0002	-.0286	-.0526	.0012
12669	.500	15001.3	45.78	.82	.3476	-.0233	.3854	-.0006	-.0286	-.0472	.0008
1267C	.500	15005.0	47.44	.82	.3690	-.0255	.4118	-.0009	-.0287	-.0418	.0007
12671	.500	15032.6	-.47	-.01	-.0011	.0047	-.0020	.0000	.0002	.0000	.0001

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TEST TP	24 MACH	Q PA	RUN 84 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
12672	.301	6062.1	-4.8	-0.00	-.0059	.0220	.0014	-.0002	-.0000	-.0010	.0060
12673	.301	6060.6	-3.93	-0.00	-.0166	.0239	-.0144	-.0002	.0001	-.0007	.0062
12674	.300	6038.6	-2.21	-0.00	-.0100	.0230	-.0052	-.0002	-.0000	-.0017	.0060
12675	.301	6059.6	-6.8	.00	-.0056	.0222	.0021	-.0001	-.0001	-.0020	.0060
12676	.301	6050.1	1.99	.01	.0031	.0217	.0138	-.0001	-.0001	-.0023	.0065
12677	.301	6054.5	3.98	.01	.0116	.0220	.0238	-.0000	-.0004	-.0027	.0069
12678	.300	6043.5	5.96	.01	.0205	.0232	.0332	.0001	-.0006	-.0028	.0072
12679	.300	6039.6	7.88	.02	.0318	.0250	.0427	-.0000	-.0008	-.0035	.0075
12680	.301	6045.9	9.83	.02	.0443	.0275	.0521	-.0001	-.0010	-.0029	.0080
12681	.301	6044.8	11.80	.06	.0568	.0310	.0641	-.0002	-.0013	-.0045	.0087
12682	.300	6040.6	14.05	.08	.0694	.0351	.0788	-.0002	-.0010	-.0052	.0097
12683	.301	6045.9	15.81	.08	.0824	.0394	.0902	-.0002	-.0011	-.0055	.0107
12684	.301	6045.0	17.82	.10	.0958	.0455	.1033	-.0002	-.0006	-.0077	.0118
12685	.300	6039.4	19.82	.11	.1088	.0520	.1159	-.0003	.0002	-.0071	.0125
12686	.300	6033.7	21.97	.12	.1231	.0607	.1299	-.0002	.0007	-.0067	.0132
12687	.301	6060.6	23.79	.13	.1362	.0695	.1422	.0001	.0006	-.0094	.0137
12688	.301	6052.6	25.65	.14	.1520	.0802	.1546	.0002	.0002	-.0095	.0143
12689	.300	6034.0	27.90	.15	.1693	.0944	.1705	.0013	-.0003	-.0135	.0148
12690	.300	6022.6	29.83	.16	.1822	.1065	.1827	.0025	.0024	-.0223	.0153
12691	.299	6003.2	31.68	.16	.1951	.1196	.1961	.0020	.0044	-.0250	.0159
12692	.299	6004.9	33.73	.15	.2123	.1375	.2123	.0021	.0068	-.0304	.0165
12693	.301	6045.3	35.95	.16	.2302	.1580	.2302	.0008	.0061	-.0285	.0170
12694	.300	6009.9	37.64	.12	.2446	.1764	.2430	-.0012	.0043	-.0244	.0172
12695	.300	6020.5	39.76	.17	.2625	.2018	.2595	-.0056	-.0005	-.0270	.0173
12696	.299	5991.3	41.87	.16	.2817	.2306	.2753	-.0115	-.0061	-.0287	.0172
12697	.302	6109.7	43.66	.09	.2965	.2565	.2928	-.0143	-.0105	-.0146	.0170
12698	.301	6045.4	45.55	.14	.3061	.2808	.3139	-.0182	-.0162	-.0098	.0173
12699	.300	6023.7	47.69	.13	.3190	.3139	.3340	-.0138	-.0125	-.0180	.0172
12700	.300	6040.9	-4.7	.00	-.0099	.0205	.0016	-.0001	-.0001	-.0078	.0060

TEST TP	24 MACH	Q PA	RUN 84 ALPHA DEG	BETA DEG	CN	CA	CH	CRM	CYM	CY
12672	.301	6062.1	-4.8	-0.00	-.0061	.0219	.0014	-.0002	-.0000	-.0010
12673	.301	6060.6	-3.93	-0.00	-.0182	.0227	-.0144	-.0002	.0001	-.0007
12674	.300	6038.6	-2.21	-0.00	-.0109	.0226	-.0052	-.0002	-.0000	-.0017
12675	.301	6059.6	-6.8	.00	-.0059	.0221	.0021	-.0001	-.0001	-.0020
12676	.301	6050.1	1.99	.01	.0038	.0216	.0138	-.0001	-.0001	-.0023
12677	.301	6054.5	3.98	.01	.0131	.0212	.0238	.0000	-.0004	-.0027
12678	.300	6043.5	5.96	.01	.0228	.0209	.0332	.0002	-.0006	-.0028
12679	.300	6039.6	7.88	.02	.0349	.0204	.0427	.0001	-.0008	-.0035
12680	.301	6045.9	9.83	.02	.0483	.0195	.0521	.0001	-.0010	-.0029
12681	.301	6044.8	11.80	.06	.0619	.0187	.0641	.0001	-.0013	-.0045
12682	.300	6040.6	14.05	.08	.0759	.0171	.0788	.0000	-.0010	-.0052
12683	.301	6045.9	15.81	.08	.0900	.0155	.0902	.0001	-.0011	-.0055
12684	.301	6045.0	17.82	.10	.1091	.0140	.1033	.0000	-.0006	-.0077
12685	.300	6039.4	19.82	.11	.1200	.0121	.1159	-.0003	.0001	-.0071
12686	.300	6033.7	21.97	.12	.1368	.0102	.1299	-.0005	.0006	-.0076
12687	.301	6060.6	23.79	.13	.1527	.0086	.1422	-.0002	.0006	-.0094
12688	.301	6052.6	25.65	.14	.1718	.0065	.1546	.0001	.0003	-.0095
12689	.300	6034.0	27.90	.15	.1938	.0042	.1705	.0013	.0003	-.0135
12690	.300	6022.6	29.83	.16	.2110	.0018	.1827	.0010	.0033	-.0223
12691	.299	6003.2	31.68	.16	.2288	-.0007	.1961	-.0006	.0048	-.0250
12692	.299	6004.9	33.73	.15	.2529	-.0035	.2123	-.0020	.0068	-.0304
12693	.301	6045.3	35.95	.16	.2791	-.0073	.2302	-.0029	.0054	-.0285
12694	.300	6009.9	37.64	.12	.3015	-.0097	.2430	-.0036	.0026	-.0244
12695	.300	6020.5	39.76	.17	.3309	-.0128	.2595	-.0040	-.0040	-.0270
12696	.299	5991.3	41.87	.16	.3637	-.0163	.2753	-.0045	-.0122	-.0287
12697	.302	6109.7	43.66	.09	.3916	-.0191	.2928	-.0031	-.0174	-.0146
12698	.301	6045.4	45.55	.14	.4148	-.0218	.3139	-.0012	-.0243	-.0098
12699	.300	6023.7	47.69	.13	.4468	-.0246	.3340	-.0001	-.0186	-.0180
12700	.300	6040.9	-4.7	.00	-.0100	.0204	.0016	-.0001	-.0001	-.0078

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 84 ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
12672	.301	6062.1	-4.48	-.01	-.0008	.0052	-.0019	.0000	.0000	-.0002	.0003
12673	.301	6060.6	-3.93	-.06	-.0118	.0061	-.0174	.0000	.0002	.0002	.0004
12674	.300	6038.6	-2.21	-.03	-.0048	.0058	-.0078	.0000	.0001	-.0001	.0004
12675	.301	6059.6	-.68	-.01	-.0001	.0056	-.0010	.0000	.0001	-.0001	.0003
12676	.301	6050.1	1.99	.03	.0087	.0058	.0116	.0000	.0000	-.0002	.0003
12677	.301	6054.5	3.98	.06	.0167	.0067	.0222	.0000	-.0001	-.0005	.0002
12678	.300	6043.5	5.96	.09	.0250	.0079	.0330	.0001	-.0001	-.0006	.0003
12679	.300	6039.6	7.88	.13	.0337	.0098	.0442	.0001	-.0002	-.0010	.0003
12680	.301	6045.9	9.83	.15	.0427	.0122	.0554	.0001	-.0002	-.0011	.0002
12681	.301	6044.8	11.80	.21	.0534	.0156	.0683	-.0000	-.0006	-.0019	.0000
12682	.300	6040.6	14.05	.26	.0657	.0203	.0833	-.0001	-.0006	-.0020	-.0000
12683	.301	6045.9	15.81	.29	.0758	.0241	.0957	-.0001	-.0006	-.0022	.0001
12684	.301	6045.0	17.82	.33	.0870	.0299	.1097	-.0002	-.0008	-.0028	.0001
12685	.300	6039.4	19.81	.37	.0974	.0362	.1234	-.0002	-.0005	-.0021	-.0000
12686	.300	6033.7	21.97	.40	.1083	.0438	.1381	-.0001	-.0001	-.0011	-.0000
12687	.301	6060.6	23.78	.43	.1184	.0513	.1514	-.0002	-.0002	-.0011	-.0000
12688	.301	6052.6	25.65	.46	.1287	.0598	.1651	-.0002	-.0001	-.0009	-.0003
12689	.300	6034.0	27.89	.50	.1396	.0698	.1808	-.0001	-.0000	-.0009	-.0006
12690	.300	6022.6	29.83	.53	.1467	.0771	.1936	-.0002	-.0006	-.0036	.0001
12691	.299	6003.2	31.68	.56	.1542	.0849	.2055	-.0006	-.0010	-.0032	.0027
12692	.299	6004.9	33.72	.57	.1668	.0985	.2224	-.0010	-.0014	-.0037	.0055
12693	.301	6045.3	35.94	.60	.1809	.1154	.2419	-.0012	-.0016	-.0043	.0066
12694	.300	6009.9	37.63	.58	.1908	.1289	.2567	-.0018	-.0022	-.0057	.0066
12695	.300	6020.5	39.76	.65	.2024	.1469	.2762	-.0037	-.0044	-.0116	.0065
12696	.299	5991.3	41.87	.66	.2141	.1667	.2971	-.0065	-.0071	-.0186	.0069
12697	.302	6109.7	43.66	.61	.2249	.1858	.3180	-.0070	-.0071	-.0180	.0067
12698	.301	6045.4	45.55	.68	.2343	.2059	.3387	-.0093	-.0087	-.0218	.0059
12699	.300	6023.7	47.68	.68	.2439	.2301	.3642	-.0122	-.0103	-.0243	.0052
12700	.300	6040.9	-.47	-.00	-.0012	.0046	-.0020	.0000	-.0002	-.0007	.0003

TEST TP	24 MACH	Q PA	RUN 84 ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
12672	.301	6062.1	-4.48	-.01	-.0008	.0052	-.0019	.0000	.0000	-.0002	.0001
12673	.301	6060.6	-3.93	-.06	-.0122	.0053	-.0174	.0000	.0002	.0002	.0001
12674	.300	6038.6	-2.21	-.03	-.0051	.0056	-.0078	.0000	.0001	-.0001	.0001
12675	.301	6059.6	-.68	-.01	-.0001	.0056	-.0010	.0000	.0001	-.0001	.0001
12676	.301	6050.1	1.99	.03	.0089	.0055	.0116	.0000	.0000	-.0002	.0001
12677	.301	6054.5	3.98	.06	.0171	.0055	.0222	.0000	-.0001	-.0005	.0001
12678	.300	6043.5	5.96	.09	.0257	.0053	.0330	.0001	-.0001	-.0006	.0001
12679	.300	6039.6	7.88	.13	.0347	.0051	.0442	.0001	-.0002	-.0010	.0001
12680	.301	6045.9	9.83	.15	.0441	.0048	.0554	.0001	-.0002	-.0011	.0001
12681	.301	6044.8	11.80	.21	.0555	.0044	.0683	.0001	-.0006	-.0019	-.0000
12682	.300	6040.6	14.05	.26	.0687	.0038	.0833	.0001	-.0006	-.0020	-.0000
12683	.301	6045.9	15.81	.29	.0795	.0025	.0957	.0001	-.0006	-.0022	.0000
12684	.301	6045.0	17.82	.33	.0919	.0018	.1097	.0001	-.0008	-.0028	.0000
12685	.300	6039.4	19.81	.37	.1040	.0010	.1234	.0000	-.0005	-.0021	-.0000
12686	.300	6033.7	21.97	.40	.1168	.0001	.1381	-.0001	-.0001	-.0011	-.0000
12687	.301	6060.6	23.78	.43	.1290	-.0008	.1514	-.0001	-.0002	-.0011	.0000
12688	.301	6052.6	25.65	.46	.1419	-.0018	.1651	-.0001	-.0002	-.0009	-.0001
12689	.300	6034.0	27.89	.50	.1560	-.0036	.1808	-.0001	-.0000	-.0009	-.0001
12690	.300	6022.6	29.83	.53	.1656	-.0061	.1936	.0002	-.0006	-.0036	.0000
12691	.299	6003.2	31.68	.56	.1758	-.0087	.2055	.0000	-.0012	-.0032	.0007
12692	.299	6004.9	33.72	.57	.1934	-.0107	.2224	-.0000	-.0017	-.0037	.0014
12693	.301	6045.3	35.94	.60	.2142	-.0127	.2419	-.0001	-.0020	-.0043	.0016
12694	.300	6009.9	37.63	.58	.2298	-.0144	.2567	-.0001	-.0028	-.0057	.0016
12695	.300	6020.5	39.76	.65	.2495	-.0166	.2762	-.0001	-.0058	-.0116	.0016
12696	.299	5991.3	41.87	.66	.2707	-.0188	.2971	-.0001	-.0096	-.0186	.0017
12697	.302	6109.7	43.66	.61	.2910	-.0209	.3180	-.0002	-.0100	-.0180	.0016
12698	.301	6045.4	45.55	.68	.3110	-.0231	.3387	-.0003	-.0127	-.0218	.0014
12699	.300	6023.7	47.68	.68	.3343	-.0255	.3642	-.0005	-.0160	-.0243	.0012
12700	.300	6040.9	-.47	-.00	-.0012	.0046	-.0020	.0000	-.0002	-.0007	.0001

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 85 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
12714	.701	25201.9	-1.50	-.01	-.0239	.0153	.0073	.0016	-.0011	.0042	.0061
12715	.700	25173.5	-3.91	-.02	-.1986	.0263	.0562	.0013	-.0010	.0066	.0060
12716	.701	25229.4	-2.04	-.02	-.0988	.0181	.0271	.0016	-.0012	.0062	.0061
12717	.700	25174.5	-.66	-.01	-.0157	.0157	.0050	.0015	-.0011	.0057	.0061
12718	.699	25143.7	2.00	-.01	.1212	.0177	-.0322	.0015	-.0011	.0047	.0060
12719	.698	25097.7	4.05	-.01	.2323	.0264	-.0644	.0011	-.0011	.0040	.0062
12720	.700	25186.2	6.05	-.00	.3766	.0467	-.1052	.0018	-.0010	.0028	.0067
12721	.700	25163.9	7.89	.00	.4698	.0701	-.1239	.0022	-.0010	.0020	.0073
12722	.700	25160.5	9.99	-.00	.5488	.1026	-.1434	.0012	-.0009	.0016	.0077
12723	.699	25130.4	12.16	.01	.6609	.1478	-.1749	.0014	-.0012	.0013	.0082
12724	.701	25205.7	14.07	.00	.7369	.1910	-.1961	.0015	-.0009	.0002	.0080
12725	.700	25156.1	15.78	-.00	.8030	.2346	-.2213	.0013	-.0006	-.0004	.0079
12726	.701	25207.9	17.66	-.01	.8500	.2811	-.2458	.0020	-.0011	.0003	.0080
12727	.702	25287.3	-.49	-.02	-.0233	.0175	.0074	.0017	-.0012	.0074	.0061

TEST TP	24 MACH	Q PA	RUN 85 ALPHA DEG	BETA DEG	CN	CA	CH	CRM	CYM	CY
12714	.701	25201.9	-1.50	-.01	-.0260	.0150	.0073	.0016	-.0012	.0042
12715	.700	25173.5	-3.91	-.02	-.2000	.0127	.0562	.0012	-.0011	.0066
12716	.701	25229.4	-2.04	-.02	-.0994	.0146	.0271	.0015	-.0012	.0062
12717	.700	25174.5	-.66	-.01	-.0159	.0155	.0050	.0015	-.0012	.0057
12718	.699	25143.7	2.00	-.01	.1217	.0135	-.0322	.0015	-.0010	.0047
12719	.698	25097.7	4.05	-.01	.2336	.0099	-.0644	.0012	-.0010	.0040
12720	.700	25186.2	6.05	-.00	.3794	.0067	-.1052	.0019	-.0008	.0028
12721	.700	25163.9	7.89	.00	.4750	.0050	-.1239	.0023	-.0007	.0020
12722	.700	25160.5	9.99	-.00	.5582	.0058	-.1434	.0013	-.0007	.0016
12723	.699	25130.4	12.16	.01	.6772	.0052	-.1749	.0016	-.0009	.0013
12724	.701	25205.7	14.07	.00	.7612	.0061	-.1961	.0017	-.0005	.0002
12725	.700	25156.1	15.78	-.00	.8365	.0074	-.2213	.0014	-.0002	-.0004
12726	.701	25207.9	17.66	-.01	.8952	.0100	-.2458	.0022	-.0005	.0003
12727	.702	25287.3	-.49	-.02	-.0234	.0173	.0074	.0017	-.0012	.0074

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 85 ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
12714	.701	25201.9	-1.50	-.02	-.0011	.0034	-.0020	-.0000	.0004	.0006	-.0029
12715	.700	25173.5	-3.91	-.07	-.0075	.0040	-.0136	-.0000	.0005	.0007	-.0028
12716	.701	25229.4	-2.04	-.04	-.0038	.0037	-.0071	-.0000	.0005	.0007	-.0028
12717	.700	25174.5	-.66	-.02	-.0006	.0037	-.0012	-.0000	.0005	.0007	-.0029
12718	.699	25143.7	2.00	.02	.0047	.0039	.0085	.0000	.0004	.0006	-.0028
12719	.698	25097.7	4.05	.04	.0087	.0041	.0156	.0000	.0004	.0006	-.0026
12720	.700	25186.2	6.05	.07	.0140	.0047	.0248	.0000	.0005	.0007	-.0022
12721	.700	25163.9	7.89	.10	.0184	.0055	.0323	.0001	.0005	.0008	-.0018
12722	.700	25160.5	9.99	.13	.0227	.0065	.0396	.0001	.0004	.0008	-.0016
12723	.699	25130.4	12.16	.17	.0289	.0081	.0496	.0001	.0005	.0010	-.0012
12724	.701	25205.7	14.07	.19	.0344	.0100	.0584	.0001	.0005	.0008	-.0011
12725	.700	25156.1	15.77	.20	.0395	.0120	.0664	.0001	.0004	.0008	-.0010
12726	.701	25207.9	17.66	.22	.0447	.0143	.0750	.0001	.0005	.0010	-.0011
12727	.702	25287.3	-.49	-.03	-.0009	.0035	-.0018	-.0000	.0006	.0009	-.0029

TEST TP	24 MACH	Q PA	RUN 85 ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
12714	.701	25201.9	-1.50	-.02	-.0011	.0034	-.0020	.0000	.0004	.0006	-.0007
12715	.700	25173.5	-3.91	-.07	-.0077	.0035	-.0136	.0000	.0005	.0007	-.0007
12716	.701	25229.4	-2.04	-.04	-.0039	.0035	-.0071	.0000	.0005	.0007	-.0007
12717	.700	25174.5	-.66	-.02	-.0006	.0037	-.0012	-.0000	.0005	.0007	-.0008
12718	.699	25143.7	2.00	.02	.0049	.0037	.0085	-.0000	.0004	.0006	-.0007
12719	.698	25097.7	4.05	.04	.0090	.0034	.0156	-.0000	.0004	.0006	-.0007
12720	.700	25186.2	6.05	.07	.0144	.0032	.0248	-.0000	.0005	.0007	-.0006
12721	.700	25163.9	7.89	.10	.0189	.0029	.0323	-.0000	.0005	.0008	-.0005
12722	.700	25160.5	9.99	.13	.0235	.0025	.0396	-.0000	.0004	.0008	-.0004
12723	.699	25130.4	12.16	.17	.0300	.0018	.0496	-.0000	.0006	.0010	-.0003
12724	.701	25205.7	14.07	.19	.0358	.0014	.0584	-.0000	.0005	.0008	-.0003
12725	.700	25156.1	15.77	.20	.0412	.0008	.0664	-.0000	.0004	.0008	-.0003
12726	.701	25207.9	17.66	.22	.0470	.0001	.0750	-.0000	.0005	.0010	-.0003
12727	.702	25287.3	-.49	-.03	-.0009	.0035	-.0018	-.0000	.0006	.0009	-.0007

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 86 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
12730	.502	15093.5	-4.45	-0.00	-.0232	.0158	.0054	.0008	-.0014	.0045	.0059
12731	.500	15003.3	-4.12	.00	-.1976	.0278	.0523	.0008	-.0016	.0074	.0059
12732	.500	15018.7	-2.02	-0.00	-.0784	.0185	.0198	.0009	-.0015	.0068	.0059
12733	.500	15017.7	-.64	-0.01	-.0128	.0162	.0030	.0007	-.0015	.0064	.0059
12734	.501	15070.2	1.86	-0.01	.1115	.0178	-.0290	.0010	-.0015	.0059	.0058
12735	.500	15014.9	3.87	-0.02	.2266	.0258	-.0609	.0008	-.0014	.0052	.0060
12736	.500	15013.2	5.95	-0.02	.3548	.0443	-.0959	.0010	-.0014	.0041	.0065
12737	.499	14970.3	7.86	-0.02	.4632	.0683	-.1233	.0016	-.0014	.0039	.0069
12738	.500	15000.4	10.02	-0.02	.5597	.1021	-.1416	.0010	-.0014	.0031	.0075
12739	.500	15024.0	11.83	-0.01	.6410	.1367	-.1619	.0008	-.0012	.0017	.0077
12740	.500	15003.3	14.16	-0.03	.7390	.1891	-.1870	.0009	-.0010	.0024	.0076
12741	.500	14998.6	15.79	-0.03	.8015	.2297	-.2060	.0010	-.0007	.0016	.0074
12742	.500	15011.5	17.94	-0.02	.8820	.2891	-.2349	.0028	-.0001	.0044	.0074
12743	.501	15049.6	-4.45	-0.01	-.0187	.0165	.0050	.0008	-.0015	.0087	.0059

TEST TP	24 MACH	Q PA	RUN 86 ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY
12730	.502	15093.5	-4.45	-0.00	-.0234	.0156	.0054	.0008	-.0014	.0045
12731	.500	15003.3	-4.12	.00	-.1990	.0135	.0523	.0007	-.0016	.0074
12732	.500	15018.7	-2.02	-0.00	-.0790	.0158	.0198	.0009	-.0016	.0068
12733	.500	15017.7	-.64	-0.01	-.0130	.0161	.0030	.0007	-.0015	.0064
12734	.501	15070.2	1.86	-0.01	.1120	.0141	-.0290	.0010	-.0015	.0059
12735	.500	15014.9	3.87	-0.02	.2278	.0104	-.0609	.0009	-.0014	.0052
12736	.500	15013.2	5.95	-0.02	.3574	.0073	-.0959	.0012	-.0013	.0041
12737	.499	14970.3	7.86	-0.02	.4682	.0044	-.1233	.0018	-.0012	.0039
12738	.500	15000.4	10.02	-0.02	.5689	.0032	-.1416	.0013	-.0012	.0031
12739	.500	15024.0	11.83	-0.01	.6554	.0024	-.1619	.0010	-.0011	.0017
12740	.500	15003.3	14.16	-0.03	.7628	.0025	-.1870	.0011	-.0007	.0024
12741	.500	14998.6	15.79	-0.03	.8338	.0029	-.2060	.0011	-.0004	.0016
12742	.500	15011.5	17.94	-0.02	.9282	.0034	-.2349	.0026	.0010	.0044
12743	.501	15049.6	-4.45	-0.01	-.0188	.0164	.0050	.0008	-.0015	.0087

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 86 ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
12730	.502	15093.5	-4.45	-0.01	-.0014	.0038	-.0023	-.0000	.0004	.0006	-.0029
12731	.500	15003.3	-4.12	-0.05	-.0087	.0045	-.0151	-.0000	.0005	.0008	-.0027
12732	.500	15018.7	-2.02	-0.03	-.0039	.0042	-.0068	-.0000	.0005	.0008	-.0028
12733	.500	15017.7	-.64	-0.02	-.0009	.0042	-.0015	-.0000	.0005	.0007	-.0029
12734	.501	15070.2	1.86	.02	.0047	.0043	.0081	.0000	.0004	.0007	-.0027
12735	.500	15014.9	3.87	.03	.0091	.0046	.0158	.0000	.0004	.0006	-.0024
12736	.500	15013.2	5.95	.06	.0143	.0053	.0246	.0000	.0005	.0008	-.0020
12737	.499	14970.3	7.86	.08	.0191	.0061	.0325	.0001	.0006	.0009	-.0015
12738	.500	15000.4	10.02	.11	.0246	.0073	.0414	.0001	.0005	.0009	-.0008
12739	.500	15024.0	11.83	.14	.0294	.0085	.0488	.0001	.0004	.0007	-.0002
12740	.500	15003.3	14.16	.15	.0364	.0109	.0595	.0001	.0006	.0012	.0006
12741	.500	14998.6	15.79	.17	.0411	.0127	.0668	.0002	.0007	.0013	.0010
12742	.500	15011.5	17.94	.21	.0477	.0154	.0769	.0004	.0013	.0028	.0014
12743	.501	15049.6	-4.45	-0.02	-.0012	.0039	-.0022	-.0000	.0006	.0010	-.0029

TEST TP	24 MACH	Q PA	RUN 86 ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
12730	.502	15093.5	-4.45	-0.01	-.0014	.0037	-.0023	-.0000	.0004	.0006	-.0007
12731	.500	15003.3	-4.12	-0.05	-.0090	.0039	-.0151	.0000	.0005	.0008	-.0007
12732	.500	15018.7	-2.02	-0.03	-.0041	.0041	-.0068	.0000	.0005	.0008	-.0007
12733	.500	15017.7	-.64	-0.02	-.0010	.0042	-.0015	.0000	.0005	.0007	-.0007
12734	.501	15070.2	1.86	.02	.0048	.0041	.0081	-.0000	.0004	.0007	-.0007
12735	.500	15014.9	3.87	.03	.0094	.0039	.0158	-.0000	.0004	.0006	-.0006
12736	.500	15013.2	5.95	.06	.0147	.0038	.0246	-.0000	.0005	.0008	-.0005
12737	.499	14970.3	7.86	.08	.0198	.0035	.0325	-.0000	.0006	.0009	-.0004
12738	.500	15000.4	10.02	.11	.0255	.0029	.0414	-.0000	.0005	.0009	-.0002
12739	.500	15024.0	11.83	.14	.0305	.0023	.0488	-.0000	.0004	.0007	-.0001
12740	.500	15003.3	14.16	.15	.0379	.0016	.0595	-.0000	.0006	.0012	.0001
12741	.500	14998.6	15.79	.17	.0430	.0011	.0668	-.0000	.0007	.0013	.0002
12742	.500	15011.5	17.94	.21	.0502	-.0000	.0769	-.0000	.0013	.0028	.0003
12743	.501	15049.6	-4.45	-0.02	-.0012	.0039	-.0022	-.0000	.0006	.0010	-.0007

## NASA LANGLEY

## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 87		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
12744	.301	6060.5	-4.43	-0.01	-0.0097	.0172	.0043	.0005	-.0016	.0169	.0056
12745	.301	6053.4	-3.92	-0.01	-.1687	.0285	.0458	.0008	-.0017	.0181	.0056
12746	.301	6054.7	-1.86	-0.01	-.0775	.0195	.0211	.0005	-.0014	.0151	.0056
12747	.301	6061.7	-.61	-0.01	-.0014	.0184	.0020	.0007	-.0015	.0139	.0056
12748	.301	6049.1	1.94	-0.01	.1229	.0202	-.0301	.0012	-.0014	.0122	.0055
12749	.301	6056.6	4.00	.00	.2356	.0281	-.0609	.0006	-.0014	.0111	.0058
1275C	.300	6039.2	6.15	.01	.3569	.0466	-.0939	.0009	-.0014	.0092	.0062
12751	.300	6036.4	7.97	.02	.4588	.0692	-.1198	.0011	-.0013	.0078	.0066
12752	.301	6049.1	9.90	.03	.5498	.0986	-.1380	.0013	-.0010	.0066	.0071
12753	.301	6043.7	11.76	.04	.6356	.1331	-.1585	.0008	-.0009	.0060	.0074
12754	.300	6037.5	13.77	.03	.7232	.1771	-.1800	.0009	-.0006	.0054	.0075
12755	.300	6021.8	15.79	.04	.8051	.2264	-.2014	.0009	-.0007	.0046	.0072
12756	.300	6012.6	17.94	.03	.8865	.2861	-.2281	.0016	.0000	.0038	.0067
12757	.299	5998.3	19.91	.05	.9428	.3447	-.2667	.0018	-.0025	.0065	.0068
12758	.301	6041.6	21.76	.05	.9512	.3895	-.3001	.0051	-.0051	.0061	.0074
12759	.300	6021.8	23.57	.06	.9580	.4285	-.3057	.0054	-.0071	.0080	.0076
12760	.300	6037.6	25.83	.07	.9729	.4804	-.3139	.0066	-.0140	.0130	.0080
12761	.300	6005.8	27.89	.11	.9793	.5258	-.3214	.0076	-.0242	.0186	.0095
12762	.300	6009.3	29.83	.13	.9727	.5641	-.3266	.0055	-.0215	.0141	.0112
12763	.300	6017.5	31.91	.06	.9782	.6141	-.3365	.0030	-.0041	-.0012	.0125
12764	.300	6007.6	33.76	.04	.9866	.6622	-.3463	.0028	.0006	-.0087	.0142
12765	.300	6013.0	35.73	.07	.9826	.7065	-.3514	.0022	-.0020	-.0127	.0169
12766	.300	6023.9	37.87	.03	.9791	.7576	-.3584	.0010	-.0055	-.0030	.0200
12767	.300	6016.3	39.76	.03	.9777	.8069	-.3663	.0002	-.0027	-.0035	.0225
12768	.300	6003.2	41.53	.02	.9708	.8500	-.3738	.0005	-.0023	.0006	.0248
12769	.299	5986.1	43.78	-.04	.9546	.8986	-.3731	.0043	.0017	.0047	.0265
12770	.301	6045.5	45.61	-.13	.9311	.9291	-.3637	.0052	.0016	.0141	.0269
12771	.299	5989.2	47.48	-.01	.8956	.9508	-.3561	.0042	.0012	.0190	.0272
12772	.299	5965.1	-.44	-.00	-.0175	.0177	.0049	.0001	-.0011	.0070	.0056

TEST TP	24 MACH	Q PA	RUN 87		CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
12744	.301	6060.5	-4.43	-0.01	-.0098	.0171	.0043	.0005	-.0016	.0169
12745	.301	6053.4	-3.92	-0.01	-.1702	.0169	.0458	.0007	-.0018	.0181
12746	.301	6054.7	-1.86	-0.01	-.0781	.0170	.0211	.0004	-.0014	.0151
12747	.301	6061.7	-.61	-0.01	-.0016	.0183	.0020	.0006	-.0015	.0139
12748	.301	6049.1	1.94	-0.01	.1235	.0161	-.0301	.0013	-.0014	.0122
12749	.301	6056.6	4.00	.00	.2370	.0116	-.0609	.0007	-.0014	.0111
1275C	.300	6039.2	6.15	.01	.3598	.0081	-.0939	.0010	-.0013	.0092
12751	.300	6036.4	7.97	.02	.4639	.0049	-.1198	.0013	-.0012	.0078
12752	.301	6049.1	9.90	.03	.5586	.0025	-.1380	.0015	-.0008	.0066
12753	.301	6043.7	11.76	.04	.6494	.0008	-.1585	.0010	-.0007	.0060
12754	.300	6037.5	13.77	.03	.7446	-.0002	-.1800	.0010	-.0004	.0054
12755	.300	6021.8	15.79	.04	.8364	-.0012	-.2014	.0010	-.0004	.0046
12756	.300	6012.6	17.94	.03	.9315	-.0009	-.2281	.0015	.0005	.0038
12757	.299	5998.3	19.91	.05	1.0038	.0030	-.2667	.0026	-.0018	.0065
12758	.301	6041.6	21.76	.05	1.0278	.0092	-.3001	.0066	-.0028	.0061
12759	.300	6021.8	23.57	.06	1.0494	.0096	-.3057	.0078	-.0043	.0080
12760	.300	6037.6	25.83	.07	1.0849	.0085	-.3139	.0120	-.0098	.0130
12761	.300	6005.8	27.89	.11	1.1115	.0065	-.3214	.0181	-.0179	.0186
12762	.300	6009.3	29.83	.13	1.1244	.0056	-.3266	.0155	-.0159	.0141
12763	.300	6017.5	31.91	.06	1.1550	.0042	-.3365	.0047	-.0019	-.0012
12764	.300	6007.6	33.76	.04	1.1882	.0022	-.3463	.0020	.0021	-.0087
12765	.300	6013.0	35.73	.07	1.2103	-.0004	-.3514	.0030	-.0003	-.0127
12766	.300	6023.9	37.87	.03	1.2380	-.0030	-.3584	.0042	-.0037	-.0030
12767	.300	6016.3	39.76	.03	1.2676	-.0051	-.3663	.0019	-.0019	-.0035
12768	.300	6003.2	41.53	.02	1.2903	-.0073	-.3738	.0019	-.0014	.0006
12769	.299	5986.1	43.78	-.04	1.3110	-.0118	-.3731	.0019	.0042	.0047
1277C	.301	6045.5	45.61	-.13	1.3152	-.0154	-.3637	.0025	.0048	.0141
12771	.299	5989.2	47.48	-.01	1.3061	-.0177	-.3561	.0019	.0039	.0190
12772	.299	5965.1	-.44	-.00	-.0177	.0175	.0049	.0001	-.0011	.0070

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7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 87		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
12744	.301	6060.5	-0.43	-0.02	-0.0009	.0047	-0.0020	-0.0000	.0008	.0016	-0.0027
12745	.301	6053.4	-3.92	-0.06	-0.0082	.0057	-0.0144	-0.0000	.0007	.0013	-0.0025
12746	.301	6054.7	-1.85	-0.04	-0.0040	.0047	-0.0074	-0.0000	.0004	.0008	-0.0026
12747	.301	6061.7	-0.61	-0.02	-0.0003	.0050	-0.0011	-0.0000	.0004	.0008	-0.0027
12748	.301	6049.1	1.94	.02	.0055	.0049	.0088	.0000	.0004	.0008	-0.0026
12749	.301	6056.6	4.00	.05	.0104	.0051	.0170	.0000	.0004	.0009	-0.0023
1.750	.300	6039.2	6.15	.09	.0153	.0059	.0253	.0000	.0004	.0010	-0.0019
12751	.300	6036.4	7.97	.13	.0198	.0065	.0328	.0000	.0003	.0007	-0.0013
12752	.301	6049.1	9.90	.16	.0254	.0074	.0412	.0001	.0004	.0009	-0.0005
12753	.301	6043.7	11.76	.19	.0305	.0087	.0491	.0001	.0005	.0010	.0003
12754	.300	6037.5	13.77	.21	.0360	.0103	.0578	.0002	.0007	.0016	.0011
12755	.300	6021.8	15.78	.24	.0420	.0126	.0667	.0001	.0006	.0014	.0018
12756	.300	6012.6	17.94	.26	.0481	.0155	.0761	.0002	.0007	.0018	.0024
12757	.299	5998.3	19.91	.30	.0530	.0179	.0842	.0002	.0007	.0014	.0019
12758	.301	6041.6	21.76	.32	.0567	.0203	.0908	.0003	.0009	.0021	.0008
12759	.300	6021.8	23.57	.36	.0609	.0232	.0979	.0004	.0010	.0025	.0009
12760	.300	6037.6	25.82	.39	.0662	.0268	.1070	.0007	.0014	.0035	.0014
12761	.300	6005.8	27.89	.46	.0705	.0307	.1147	.0008	.0014	.0037	.0018
12762	.300	6009.3	29.82	.51	.0751	.0347	.1229	.0006	.0011	.0028	.0021
12763	.300	6017.5	31.91	.45	.0794	.0389	.1307	.0003	.0005	.0013	.0028
12764	.300	6007.6	33.76	.45	.0835	.0432	.1382	-0.0002	-0.0001	-0.0007	.0034
12765	.300	6013.0	35.73	.50	.0873	.0476	.1452	-0.0011	-0.0013	-0.0039	.0040
12766	.300	6023.9	37.87	.49	.0911	.0526	.1528	-0.0007	-0.0008	-0.0019	.0046
12767	.300	6016.3	39.76	.51	.0947	.0575	.1598	-0.0010	-0.0011	-0.0019	.0051
12768	.300	6003.2	41.52	.51	.0978	.0623	.1661	-0.0005	-0.0005	.0009	.0054
12769	.299	5986.1	43.78	.48	.1013	.0689	.1738	.0006	.0007	.0068	.0060
12770	.301	6045.5	45.61	.40	.1049	.0750	.1814	.0003	.0004	.0076	.0067
12771	.299	5989.2	47.48	.54	.1063	.0794	.1855	-0.0003	-0.0002	.0077	.0072
12772	.299	5965.1	-0.44	-0.01	-0.0009	.0040	-0.0018	-0.0000	.0005	.0009	-0.0027

TEST TP	24 MACH	Q PA	RUN 87		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
12744	.301	6060.5	-0.43	-0.02	-0.0010	.0047	-0.0020	-0.0000	.0008	.0016	-0.0007
12745	.301	6053.4	-3.92	-0.06	-0.0085	.0052	-0.0144	.0000	.0007	.0013	-0.0006
12746	.301	6054.7	-1.85	-0.04	-0.0042	.0045	-0.0074	.0000	.0004	.0008	-0.0007
12747	.301	6061.7	-0.61	-0.02	-0.0004	.0050	-0.0011	-0.0000	.0004	.0008	-0.0007
12748	.301	6049.1	1.94	.02	.0057	.0047	.0088	-0.0000	.0004	.0008	-0.0007
12749	.301	6056.6	4.00	.05	.0107	.0044	.0170	-0.0000	.0004	.0009	-0.0006
12750	.300	6039.2	6.15	.09	.0159	.0042	.0253	-0.0000	.0004	.0010	-0.0005
12751	.300	6036.4	7.97	.13	.0206	.0037	.0328	-0.0000	.0003	.0007	-0.0003
12752	.301	6049.1	9.90	.16	.0263	.0030	.0412	-0.0000	.0004	.0009	-0.0001
12753	.301	6043.7	11.76	.19	.0316	.0023	.0491	-0.0000	.0005	.0010	.0001
12754	.300	6037.5	13.77	.21	.0374	.0015	.0578	-0.0000	.0008	.0016	.0003
12755	.300	6021.8	15.78	.24	.0439	.0007	.0667	-0.0000	.0006	.0014	.0004
12756	.300	6012.6	17.94	.26	.0505	-0.0001	.0761	-0.0000	.0008	.0018	.0006
12757	.299	5998.3	19.91	.30	.0560	-0.0012	.0842	-0.0000	.0007	.0014	.0004
12758	.301	6041.6	21.76	.32	.0602	-0.0021	.0908	-0.0000	.0009	.0021	.0002
12759	.300	6021.8	23.57	.36	.0651	-0.0031	.0979	-0.0000	.0011	.0025	.0002
12760	.300	6037.6	25.82	.39	.0713	-0.0047	.1070	.0000	.0016	.0035	.0003
12761	.300	6005.8	27.89	.46	.0767	-0.0059	.1147	.0000	.0016	.0037	.0004
12762	.300	6009.3	29.82	.51	.0824	-0.0073	.1229	.0000	.0012	.0028	.0005
12763	.300	6017.5	31.91	.45	.0880	-0.0090	.1307	-0.0000	.0006	.0013	.0007
12764	.300	6007.6	33.76	.45	.0934	-0.0105	.1382	-0.0001	-0.0002	-0.0007	.0008
12765	.300	6013.0	35.73	.50	.0986	-0.0123	.1452	-0.0001	-0.0017	-0.0039	.0010
12766	.300	6023.9	37.87	.49	.1042	-0.0145	.1528	-0.0001	-0.0011	-0.0019	.0011
12767	.300	6016.3	39.76	.51	.1096	-0.0164	.1598	-0.0001	-0.0015	-0.0019	.0013
12768	.300	6003.2	41.52	.51	.1145	-0.0182	.1661	-0.0000	-0.0007	.0009	.0013
12769	.299	5986.1	43.78	.48	.1209	-0.0203	.1738	.0000	.0009	.0068	.0015
12770	.301	6045.5	45.61	.40	.1270	-0.0225	.1814	-0.0000	.0005	.0076	.0017
12771	.299	5989.2	47.48	.54	.1304	-0.0246	.1855	-0.0000	-0.0004	.0077	.0018
12772	.299	5965.1	-0.44	-0.01	-0.0009	.0040	-0.0018	.0000	.0005	.0009	-0.0007



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7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 88		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
12791	.300	6041.5	-4.42	-0.00	-0.0199	.0162	.0034	-0.0000	-0.0013	.0049	.0056
12792	.300	6033.7	-4.04	.01	-0.2050	.0288	.0342	.0003	-0.0014	.0066	.0058
12793	.300	6041.5	-1.91	.01	-0.0774	.0193	.0125	.0002	-0.0012	.0090	.0057
12794	.301	6050.6	-.63	-0.00	-0.0130	.0169	.0018	.0003	-0.0015	.0058	.0057
12795	.301	6050.5	2.13	-0.00	.1230	.0184	-0.0201	.0002	-0.0016	.0039	.0057
12796	.301	6049.6	3.78	-0.01	.2130	.0244	-0.0356	.0005	-0.0016	.0042	.0059
12797	.301	6044.5	6.13	-0.01	.3457	.0431	-0.0582	.0009	-0.0017	.0034	.0064
12798	.300	6027.1	8.05	-0.01	.4472	.0670	-0.0741	.0009	-0.0017	.0024	.0068
12799	.300	6032.7	10.03	-0.02	.5324	.0968	-0.0855	.0005	-0.0016	.0021	.0073
12800	.300	6030.1	11.76	-0.02	.6073	.1285	-0.1003	.0008	-0.0012	.0019	.0075
12801	.300	6024.8	13.88	-0.02	.6980	.1750	-0.1212	.0009	-0.0008	.0012	.0074
12802	.300	6020.4	16.01	-0.02	.7767	.2276	-0.1475	.0006	-0.0007	.0000	.0070
12803	.301	6045.1	18.10	-0.01	.8047	.2771	-0.1896	.0009	-0.0004	-0.0003	.0076
12804	.300	6029.2	20.21	-0.00	.8204	.3183	-0.2017	.0024	-0.0024	.0020	.0077
12805	.300	6041.7	22.08	-0.01	.8367	.3553	-0.2080	.0032	-0.0052	.0052	.0079
12806	.300	6029.6	24.02	.01	.8504	.3928	-0.2143	.0100	-0.0282	.0165	.0087
12807	.300	6013.8	25.65	.05	.8823	.4352	-0.2273	.0108	-0.0368	.0219	.0096
12808	.299	6000.0	28.11	.05	.9185	.4999	-0.2454	.0089	-0.0341	.0220	.0111
12809	.300	6026.9	30.28	.03	.9401	.5551	-0.2562	.0082	-0.0361	.0135	.0135
12810	.300	6037.8	31.53	-0.02	.9493	.5896	-0.2575	.0008	.0097	-0.0092	.0128
12811	.299	6002.0	33.76	.00	.9564	.6432	-0.2684	.0039	-0.0166	-0.0035	.0162
12812	.301	6042.9	35.69	-0.00	.9657	.6934	-0.2777	.0051	-0.0207	-0.0080	.0196
12813	.300	6023.4	37.53	.01	.9623	.7361	-0.2808	.0057	-0.0177	-0.0090	.0223
12814	.301	6041.6	39.78	-0.03	.9577	.7903	-0.2853	.0045	-0.0147	-0.0155	.0248
12815	.300	6021.1	41.86	-0.07	.9471	.8382	-0.2888	-0.0046	.0073	.0070	.0265
12816	.301	6061.3	43.67	-0.01	.9297	.8724	-0.2921	.0010	.0031	.0121	.0272
12817	.300	6030.0	45.49	-0.01	.9067	.9038	-0.2785	.0015	.0010	.0117	.0277
12818	.300	6035.3	47.65	-0.01	.8873	.9496	-0.2848	-0.0019	-0.0017	.0062	.0275
12819	.300	6024.6	-4.41	-0.00	-0.0170	.0164	.0034	.0002	-0.0015	.0072	.0056

TEST TP	24 MACH	Q PA	RUN 88		CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
12791	.300	6041.5	-4.42	-0.00	-0.0200	.0160	.0034	-0.0000	-0.0013	.0049
12792	.300	6033.7	-4.04	.01	-0.2065	.0143	.0342	.0002	-0.0014	.0066
12793	.300	6041.5	-1.91	.01	-0.0780	.0167	.0125	.0002	-0.0012	.0090
12794	.301	6050.6	-.63	-0.00	-0.0132	.0167	.0018	.0003	-0.0015	.0058
12795	.301	6050.5	2.13	-0.00	.1236	.0138	-0.0201	.0003	-0.0016	.0039
12796	.301	6049.6	3.78	-0.01	.2142	.0103	-0.0356	.0007	-0.0016	.0042
12797	.301	6044.5	6.13	-0.01	.3483	.0059	-0.0582	.0010	-0.0016	.0034
12798	.300	6027.1	8.05	-0.01	.4522	.0037	-0.0741	.0012	-0.0015	.0024
12799	.300	6032.7	10.03	-0.02	.5411	.0025	-0.0855	.0008	-0.0014	.0021
12800	.300	6030.1	11.76	-0.02	.6207	.0020	-0.1003	.0010	-0.0010	.0019
12801	.300	6024.8	13.88	-0.02	.7196	.0024	-0.1212	.0011	-0.0006	.0012
12802	.300	6020.4	16.01	-0.02	.8094	.0046	-0.1475	.0008	-0.0005	.0000
12803	.301	6045.1	18.10	-0.01	.8510	.0133	-0.1896	.0010	-0.0001	-0.0003
12804	.300	6029.2	20.21	-0.00	.8799	.0152	-0.2017	.0030	-0.0014	.0020
12805	.300	6041.7	22.08	-0.01	.9089	.0147	-0.2080	.0049	-0.0036	.0052
12806	.300	6029.6	24.02	.01	.9366	.0127	-0.2143	.0206	-0.0217	.0165
12807	.300	6013.8	25.65	.05	.9838	.0105	-0.2273	.0256	-0.0285	.0219
12808	.299	6000.0	28.11	.05	1.0457	.0082	-0.2454	.0239	-0.0259	.0220
12809	.300	6026.9	30.28	.03	1.0918	.0053	-0.2562	.0253	-0.0271	.0135
12810	.300	6037.8	31.53	-0.02	1.1175	.0061	-0.2575	-0.0044	.0087	-0.0092
12811	.299	6002.0	33.76	.00	1.1526	.0032	-0.2684	.0125	-0.0116	-0.0035
12812	.301	6042.9	35.69	-0.00	1.1889	-0.0001	-0.2777	.0162	-0.0138	-0.0080
12813	.300	6023.4	37.53	.01	1.2116	-0.0024	-0.2808	.0153	-0.0106	-0.0090
12814	.301	6041.6	39.78	-0.03	1.2417	-0.0055	-0.2853	.0128	-0.0085	-0.0155
12815	.300	6021.1	41.86	-0.07	1.2647	-0.0077	-0.2888	-0.0083	.0024	.0070
12816	.301	6061.3	43.67	-0.01	1.2748	-0.0108	-0.2821	-0.0030	.0014	.0121
12817	.300	6030.0	45.49	-0.01	1.2802	-0.0131	-0.2785	.0003	.0018	.0117
12818	.300	6035.3	47.65	-0.01	1.2996	-0.0161	-0.2848	.0000	-0.0026	.0062
12819	.300	6024.6	-4.41	-0.00	-0.0171	.0163	.0034	.0002	-0.0015	.0072

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7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 88		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
12791	.300	6041.5	-4.42	-.01	-.0004	.0038	-.0008	-.0000	.0005	.0008	-.0028
12792	.300	6033.7	-4.04	-.05	-.0095	.0045	-.0157	-.0000	.0005	.0007	-.0026
12793	.300	6041.5	-1.91	-.01	-.0010	.0043	-.0034	-.0001	.0011	.0018	-.0027
12794	.301	6050.6	-.63	-.01	-.0001	.0046	-.0004	-.0000	.0006	.0008	-.0028
12795	.301	6050.5	2.13	.02	.0063	.0046	.0106	-.0000	.0003	.0004	-.0026
12796	.301	6049.6	3.78	.04	.0107	.0049	.0175	.0000	.0005	.0008	-.0024
12797	.301	6044.5	6.13	.07	.0167	.0057	.0272	.0000	.0005	.0009	-.0019
12798	.300	6027.1	8.04	.09	.0214	.0067	.0349	.0000	.0005	.0008	-.0013
12799	.300	6032.7	10.03	.11	.0267	.0078	.0431	.0001	.0005	.0009	-.0006
12800	.300	6030.1	11.76	.13	.0316	.0088	.0506	.0001	.0007	.0012	.0001
12801	.300	6024.8	13.88	.16	.0373	.0108	.0594	.0001	.0005	.0009	.0009
12802	.300	6020.4	16.01	.19	.0434	.0131	.0687	.0001	.0005	.0010	.0010
12803	.301	6045.1	18.10	.22	.0476	.0152	.0764	.0001	.0004	.0009	-.0006
12804	.300	6029.2	20.21	.25	.0520	.0178	.0839	.0001	.0004	.0010	-.0008
12805	.300	6041.7	22.08	.28	.0564	.0203	.0913	.0002	.0006	.0015	-.0007
12806	.300	6029.6	24.01	.32	.0611	.0235	.0990	.0001	.0002	.0005	-.0005
12807	.300	6013.8	25.64	.37	.0652	.0262	.1057	.0001	.0002	.0006	.0001
12808	.299	6000.0	28.11	.40	.0713	.0313	.1161	.0005	.0009	.0024	.0009
12809	.300	6026.9	30.28	.41	.0762	.0356	.1248	.0002	.0002	.0006	.0017
12810	.300	6037.8	31.52	.37	.0793	.0385	.1301	.0001	.0003	.0009	.0021
12811	.299	6002.0	33.76	.42	.0839	.0433	.1386	-.0007	-.0010	-.0027	.0028
12812	.301	6042.9	35.68	.43	.0880	.0479	.1459	-.0013	-.0017	-.0046	.0034
12813	.300	6023.4	37.53	.46	.0914	.0522	.1526	-.0009	-.0012	-.0027	.0040
12814	.301	6041.6	39.78	.44	.0958	.0582	.1612	-.0018	-.0022	-.0049	.0045
12815	.300	6021.1	41.85	.43	.0996	.0642	.1689	-.0010	-.0009	-.0001	.0050
12816	.301	6061.3	43.66	.51	.1025	.0694	.1751	-.0006	-.0006	.0031	.0055
12817	.300	6030.0	45.49	.53	.1052	.0749	.1812	-.0007	-.0007	.0050	.0060
12818	.300	6035.3	47.65	.54	.1072	.0800	.1864	-.0035	-.0032	-.0011	.0065
12819	.300	6024.6	-.41	-.01	-.0007	.0040	-.0012	-.0000	.0004	.0006	-.0028

TEST TP	24 MACH	Q PA	RUN 88		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
12791	.300	6041.5	-4.42	-.01	-.0005	.0038	-.0008	-.0000	.0005	.0008	-.0007
12792	.300	6033.7	-4.04	-.05	-.0098	.0038	-.0157	-.0000	.0005	.0007	-.0007
12793	.300	6041.5	-1.91	-.01	-.0012	.0043	-.0034	-.0000	.0011	.0018	-.0007
12794	.301	6050.6	-.63	-.01	-.0001	.0046	-.0004	-.0000	.0006	.0008	-.0007
12795	.301	6050.5	2.13	.02	.0065	.0044	.0106	-.0000	.0003	.0004	-.0007
12796	.301	6049.6	3.78	.04	.0110	.0042	.0175	-.0000	.0005	.0008	-.0006
12797	.301	6044.5	6.13	.07	.0172	.0038	.0272	-.0000	.0005	.0009	-.0005
12798	.300	6027.1	8.04	.09	.0221	.0036	.0349	-.0000	.0005	.0008	-.0004
12799	.300	6032.7	10.03	.11	.0276	.0030	.0431	-.0000	.0005	.0009	-.0002
12800	.300	6030.1	11.76	.13	.0328	.0022	.0506	-.0000	.0007	.0012	-.0000
12801	.300	6024.8	13.88	.16	.0387	.0015	.0594	-.0000	.0005	.0009	.0002
12802	.300	6020.4	16.01	.19	.0453	.0007	.0687	-.0000	.0005	.0010	.0002
12803	.301	6045.1	18.10	.22	.0500	-.0003	.0764	-.0000	.0004	.0009	-.0002
12804	.300	6029.2	20.21	.25	.0550	-.0013	.0839	-.0000	.0004	.0010	-.0003
12805	.300	6041.7	22.08	.28	.0599	-.0024	.0913	-.0000	.0007	.0015	-.0002
12806	.300	6029.6	24.01	.32	.0653	-.0034	.0990	.0000	.0002	.0005	-.0002
12807	.300	6013.8	25.64	.37	.0701	-.0046	.1057	.0000	.0002	.0006	-.0001
12808	.299	6000.0	28.11	.40	.0776	-.0060	.1161	.0000	.0010	.0024	.0002
12809	.300	6026.9	30.28	.41	.0838	-.0077	.1248	.0000	.0003	.0006	.0004
12810	.300	6037.8	31.52	.37	.0877	-.0087	.1301	-.0001	.0003	.0009	.0005
12811	.299	6002.0	33.76	.42	.0938	-.0106	.1386	-.0000	-.0012	-.0027	.0006
12812	.301	6042.9	35.68	.43	.0994	-.0124	.1459	-.0000	-.0022	-.0046	.0008
12813	.300	6023.4	37.53	.46	.1043	-.0143	.1526	-.0000	-.0015	-.0027	.0009
12814	.301	6041.6	39.78	.44	.1108	-.0166	.1612	-.0000	-.0029	-.0049	.0011
12815	.300	6021.1	41.85	.43	.1170	-.0187	.1689	-.0001	-.0013	-.0001	.0012
12816	.301	6061.3	43.66	.51	.1221	-.0206	.1751	-.0000	-.0009	.0031	.0013
12817	.300	6030.0	45.49	.53	.1272	-.0226	.1812	-.0000	-.0010	.0050	.0015
12818	.300	6035.3	47.65	.54	.1313	-.0253	.1864	-.0000	-.0047	-.0011	.0016
12819	.300	6024.6	-.41	-.01	-.0007	.0040	-.0012	-.0000	.0004	.0006	-.0007

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TEST TP	24 MACH	Q PA	RUN 97 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
13017	.301	6081.6	-4.41	-0.00	-.0222	.0185	.0010	.0004	-.0018	.0022	.0057
13018	.300	6055.6	-3.98	-0.01	-.1963	.0325	-.0023	.0001	-.0018	.0041	.0057
13019	.301	6067.9	-2.08	-0.00	-.0934	.0221	-.0002	.0004	-.0020	.0037	.0057
13020	.301	6070.0	-.62	-0.00	-.0155	.0184	.0004	.0002	-.0021	.0028	.0057
13021	.301	6081.1	1.84	.00	.0901	.0186	.0011	.0006	-.0018	.0015	.0056
13022	.301	6071.8	4.08	.01	.2466	.0316	.0053	.0005	-.0017	.0012	.0058
13023	.301	6060.5	5.89	.01	.3642	.0493	.0090	.0004	-.0018	-.0002	.0060
13024	.300	6053.1	8.08	.02	.5185	.0825	.0150	.0007	-.0016	-.0017	.0064
13025	.300	6027.8	10.05	.02	.6461	.1214	.0292	.0002	-.0016	-.0018	.0068
13026	.301	6078.4	11.94	.01	.7714	.1679	.0413	-.0009	-.0013	-.0031	.0069
13027	.300	6035.6	13.95	.01	.9403	.2345	.0479	.0002	-.0012	-.0042	.0067
13028	.300	6022.3	15.86	.02	1.0587	.2993	.0611	.0006	-.0011	-.0057	.0067
13029	.301	6058.3	17.85	-.01	1.2297	.3933	.0742	.0001	-.0011	-.0068	.0075
13030	.300	6045.1	19.81	-.00	1.3931	.4967	.0810	.0007	-.0007	-.0093	.0068
13031	.299	6015.5	21.86	.02	1.5533	.6138	.0951	.0019	-.0000	-.0126	.0066
13032	.300	6027.8	23.85	-.04	1.6840	.7303	.1087	.0018	-.0004	-.0135	.0069
13033	.301	6058.8	25.70	.00	1.8123	.8546	.1308	-.0022	.0022	-.0153	.0074
13034	.300	6031.9	27.87	-.04	1.9227	.9942	.1656	-.0044	.0061	-.0190	.0073
13035	.301	6074.8	29.86	-.07	1.8503	1.0391	.2261	-.0138	.0248	-.0274	.0078
13036	.301	6089.4	31.67	-.05	1.7763	1.0755	.2766	.0006	.0000	-.0141	.0085
13037	.300	6033.2	33.46	-.06	1.7515	1.1366	.2897	.0015	-.0024	-.0122	.0090
13038	.300	6022.5	35.75	-.03	1.7549	1.2425	.3114	.0014	-.0031	-.0124	.0100
13039	.300	6040.5	37.88	-.06	1.7435	1.3312	.3295	.0009	.0003	-.0127	.0110
13040	.300	6051.1	39.73	-.04	1.7244	1.4070	.3474	.0017	.0013	-.0173	.0127
13041	.300	6050.5	-.40	.00	-.0210	.0187	.0012	.0002	-.0021	.0053	.0056

TEST TP	24 MACH	Q PA	RUN 97 ALPHA DEG	BETA DEG	CM	CA	CM	CRM	CYM	CY
13017	.301	6081.6	-4.41	-0.00	-.0223	.0184	.0010	.0004	-.0018	.0022
13018	.300	6055.6	-3.98	-0.01	-.1980	.0188	-.0023	-.0000	-.0018	.0041
13019	.301	6067.9	-2.08	-0.00	-.0941	.0187	-.0002	.0003	-.0020	.0037
13020	.301	6070.0	-.62	-0.00	-.0157	.0183	.0004	.0002	-.0021	.0028
13021	.301	6081.1	1.84	.00	.0907	.0157	.0011	.0006	-.0018	.0015
13022	.301	6071.8	4.08	.01	.2482	.0140	.0053	.0006	-.0017	.0012
13023	.301	6060.5	5.89	.01	.3674	.0117	.0090	.0006	-.0017	-.0002
13024	.300	6053.1	8.08	.02	.5249	.0089	.0150	.0009	-.0015	-.0017
13025	.300	6027.8	10.05	.02	.6574	.0068	.0292	.0005	-.0016	-.0018
13026	.301	6078.4	11.94	.01	.7894	.0046	.0413	-.0007	-.0014	-.0031
13027	.300	6035.6	13.95	.01	.9691	.0009	.0479	.0005	-.0011	-.0042
13028	.300	6022.3	15.86	.02	1.1002	-.0015	.0611	.0009	-.0009	-.0057
13029	.301	6058.3	17.85	-.01	1.2911	-.0027	.0742	.0004	-.0010	-.0068
13030	.300	6045.1	19.81	-.00	1.4789	-.0049	.0810	.0009	-.0004	-.0093
13031	.299	6015.5	21.86	.02	1.6702	-.0086	.0951	.0018	.0007	-.0126
13032	.300	6027.8	23.85	-.04	1.8355	-.0129	.1087	.0018	.0004	-.0135
13033	.301	6058.8	25.70	.00	2.0036	-.0158	.1308	-.0029	.0010	-.0153
13034	.300	6031.9	27.87	-.04	2.1644	-.0198	.1656	-.0067	.0033	-.0190
13035	.301	6074.8	29.86	-.07	2.1220	-.0202	.2261	-.0243	.0146	-.0274
13036	.301	6089.4	31.67	-.05	2.0764	-.0172	.2766	.0005	.0003	-.0141
13037	.300	6033.2	33.46	-.06	2.0879	-.0174	.2897	.0025	-.0011	-.0122
13038	.300	6022.5	35.75	-.03	2.1502	-.0168	.3114	.0030	-.0017	-.0124
13039	.300	6040.5	37.88	-.06	2.1935	-.0197	.3295	.0005	.0008	-.0127
13040	.300	6051.1	39.73	-.04	2.2255	-.0200	.3474	.0004	.0021	-.0173
13041	.300	6050.5	-.40	.00	-.0212	.0185	.0012	.0002	-.0021	.0053

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7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 97		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	COB2
			ALPHA2 DEG	BETA2 DEG							
13017	.301	6081.6	-4.1	-.01	-.0032	.0064	-.0039	.0000	.0004	.0008	.0010
13018	.300	6055.6	-3.98	-.06	-.0543	.0108	-.0480	.0001	.0007	.0014	-.0004
13019	.301	6067.9	-2.08	-.03	-.0219	.0078	-.0206	.0001	.0006	.0011	.0004
13020	.301	6070.0	-.62	-.01	-.0013	.0070	-.0022	.0000	.0005	.0010	.0008
13021	.301	6081.1	1.84	.03	.0277	.0070	.0238	.0001	.0004	.0007	.0015
13022	.301	6071.8	4.08	.06	.0768	.0119	.0644	.0002	.0003	.0006	.0026
13023	.301	6060.5	5.89	.09	.1151	.0182	.0964	.0002	.0001	.0001	.0039
13024	.300	6053.1	8.07	.12	.1664	.0293	.1398	.0003	.0001	.0002	.0057
13025	.300	6027.8	10.05	.15	.2139	.0431	.1807	.0002	-.0001	-.0002	.0076
13026	.301	6078.4	11.94	.16	.2593	.0594	.2209	.0002	-.0002	-.0005	.0096
13027	.300	6035.6	13.95	.18	.3131	.0821	.2684	.0002	-.0003	-.0006	.0124
13028	.300	6022.3	15.86	.22	.3585	.1049	.3097	.0002	-.0003	-.0007	.0149
13029	.301	6058.3	17.85	.22	.4208	.1380	.3668	.0001	-.0007	-.0016	.0186
13030	.300	6045.1	19.81	.25	.4776	.1728	.4197	.0000	-.0008	-.0019	.0220
13031	.299	6015.5	21.86	.30	.5351	.2138	.4761	-.0001	-.0010	-.0023	.0256
13032	.300	6027.8	23.85	.26	.5829	.2554	.5253	-.0002	-.0010	-.0026	.0292
13033	.301	6058.8	25.70	.32	.6353	.3019	.5813	-.0003	-.0010	-.0025	.0330
13034	.300	6031.9	27.86	.31	.6885	.3573	.6416	-.0003	-.0008	-.0026	.0363
13035	.301	6074.8	29.86	.30	.6989	.3911	.6720	-.0013	-.0014	-.0022	.0361
13036	.301	6089.4	31.67	.34	.7004	.4198	.7009	-.0005	-.0009	-.0024	.0356
13037	.300	6033.2	33.46	.36	.6965	.4453	.7178	-.0005	-.0014	-.0032	.0372
13038	.300	6022.5	35.75	.40	.7066	.4903	.7568	-.0007	-.0016	-.0038	.0403
13039	.300	6040.5	37.87	.40	.7093	.5286	.7846	-.0007	-.0010	-.0026	.0422
13040	.300	6051.1	39.72	.44	.7083	.5615	.8100	-.0011	-.0016	-.0037	.0444
13041	.300	6050.5	-.40	-.00	-.0028	.0062	-.0036	.0001	.0007	.0012	.0011

TEST TP	24 MACH	Q PA	RUN 97		CN2	CA2	CM2	CRM2	CYM2	CY2	COC2
			ALPHA2 DEG	BETA2 DEG							
13017	.301	6081.6	-4.1	-.01	-.0032	.0064	-.0039	.0000	.0004	.0008	.0003
13018	.300	6055.6	-3.98	-.06	-.0549	.0070	-.0480	.0002	.0007	.0014	-.0001
13019	.301	6067.9	-2.08	-.03	-.0221	.0070	-.0206	.0001	.0006	.0011	.0001
13020	.301	6070.0	-.62	-.01	-.0014	.0070	-.0022	.0000	.0005	.0010	.0002
13021	.301	6081.1	1.84	.03	.0279	.0061	.0238	.0001	.0004	.0007	.0004
13022	.301	6071.8	4.08	.06	.0775	.0064	.0644	.0002	.0003	.0006	.0007
13023	.301	6060.5	5.89	.09	.1164	.0063	.0964	.0002	.0001	.0001	.0010
13024	.300	6053.1	8.07	.12	.1688	.0057	.1398	.0002	.0001	.0002	.0015
13025	.300	6027.8	10.05	.15	.2181	.0052	.1807	.0002	-.0001	-.0002	.0019
13026	.301	6078.4	11.94	.16	.2659	.0044	.2209	.0002	-.0001	-.0005	.0025
13027	.300	6035.6	13.95	.18	.3237	.0042	.2684	.0003	-.0002	-.0006	.0032
13028	.300	6022.3	15.86	.22	.3735	.0029	.3097	.0003	-.0003	-.0007	.0038
13029	.301	6058.3	17.85	.22	.4428	.0023	.3668	.0003	-.0006	-.0016	.0048
13030	.300	6045.1	19.81	.25	.5079	.0007	.4197	.0003	-.0007	-.0019	.0057
13031	.299	6015.5	21.86	.30	.5762	-.0008	.4761	.0003	-.0010	-.0023	.0066
13032	.300	6027.8	23.85	.26	.6364	-.0021	.5253	.0002	-.0010	-.0026	.0075
13033	.301	6058.8	25.70	.32	.7034	-.0034	.5813	.0002	-.0010	-.0025	.0085
13034	.300	6031.9	27.86	.31	.7757	-.0060	.6416	.0001	-.0009	-.0026	.0094
13035	.301	6074.8	29.86	.30	.8009	-.0088	.6720	-.0018	.0005	.0012	.0093
13036	.301	6089.4	31.67	.34	.8165	-.0104	.7009	.0001	-.0010	-.0024	.0092
13037	.300	6033.2	33.46	.36	.8265	-.0125	.7178	.0003	-.0014	-.0032	.0096
13038	.300	6022.5	35.75	.40	.8599	-.0149	.7568	.0003	-.0017	-.0038	.0104
13039	.300	6040.5	37.87	.40	.8844	-.0182	.7846	.0000	-.0013	-.0026	.0109
13040	.300	6051.1	39.72	.44	.9036	-.0208	.8100	.0002	-.0020	-.0037	.0115
13041	.300	6050.5	-.40	-.00	-.0028	.0061	-.0036	.0001	.0007	.0012	.0003

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7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 100		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
13123	.301	6064.3	-0.41	-0.00	-0.0016	.0129	-0.0033	.0007	-0.0015	.0043	.0060
13124	.301	6056.7	-3.84	.01	-0.0459	.0175	-0.0413	.0009	-0.0009	.0029	.0060
13125	.300	6052.1	-1.97	.00	-0.0194	.0139	-0.0193	.0007	-0.0013	.0033	.0060
13126	.301	6055.0	-0.40	-0.00	-0.0028	.0127	-0.0024	.0009	-0.0016	.0038	.0060
13127	.301	6062.7	2.11	-0.01	.0251	.0129	.0235	.0008	-0.0018	.0046	.0061
13128	.301	6072.5	4.05	-0.01	.0574	.0153	.0493	.0009	-0.0018	.0047	.0066
13129	.301	6056.3	5.85	-0.01	.0885	.0199	.0753	.0007	-0.0018	.0046	.0068
13130	.301	6064.5	7.89	-0.02	.1290	.0277	.1070	.0004	-0.0017	.0055	.0071
13131	.301	6059.2	9.73	-0.01	.1642	.0372	.1365	.0005	-0.0020	.0052	.0074
13132	.300	6051.0	11.93	-0.03	.2004	.0491	.1701	.0006	-0.0021	.0058	.0080
13133	.300	6047.1	14.06	-0.01	.2470	.0679	.2136	.0005	-0.0021	.0056	.0086
13134	.300	6039.4	15.97	-0.02	.2867	.0869	.2507	.0003	-0.0021	.0059	.0092
13135	.301	6066.9	17.63	-0.05	.3177	.1045	.2820	.0004	-0.0020	.0060	.0097
13136	.300	6044.9	19.88	-0.05	.3640	.1330	.3257	.0002	-0.0011	.0056	.0105
13137	.300	6029.8	21.59	-0.05	.3958	.1563	.3583	-0.0001	-0.0018	.0066	.0112
13138	.301	6067.4	23.95	-0.10	.4415	.1931	.4056	-0.0002	-0.0016	.0068	.0125
13139	.300	6038.1	25.83	-0.08	.4711	.2229	.4403	-0.0002	-0.0014	.0053	.0134
13140	.300	6035.1	27.57	-0.09	.4800	.2441	.4626	-0.0000	-0.0016	.0067	.0137
13141	.300	6033.0	29.82	-0.09	.4948	.2740	.4917	-0.0005	-0.0013	.0077	.0142
13142	.300	6047.7	31.77	-0.09	.5139	.3073	.5246	-0.0006	-0.0012	.0077	.0146
13143	.300	6028.9	33.62	-0.06	.5316	.3396	.5531	-0.0009	-0.0024	.0093	.0150
13144	.300	6046.0	35.80	-0.08	.5486	.3783	.5828	-0.0009	-0.0022	.0074	.0152
13145	.301	6058.4	37.62	-0.07	.5591	.4095	.6046	-0.0006	-0.0020	.0070	.0153
13146	.300	6046.6	39.56	-0.05	.5769	.4527	.6340	-0.0011	-0.0025	.0082	.0154
13147	.300	6037.8	41.88	-0.05	.5907	.5010	.6656	-0.0017	-0.0031	.0078	.0157
13148	.300	6049.2	43.49	-0.07	.5919	.5288	.6814	-0.0026	-0.0039	.0063	.0157
13149	.299	6011.4	45.62	-0.07	.6015	.5772	.7106	-0.0029	-0.0033	.0086	.0157
13150	.300	6040.4	47.68	-0.07	.6024	.6179	.7299	-0.0028	-0.0024	.0093	.0157
13151	.301	6057.1	-0.20	-0.00	-0.0040	.0125	-0.0039	.0008	-0.0017	.0075	.0060

TEST TP	24 MACH	Q PA	RUN 100		CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
13123	.301	6064.3	-0.41	-0.00	-0.0017	.0129	-0.0033	.0007	-0.0015	.0043
13124	.301	6056.7	-3.84	.01	-0.0469	.0144	-0.0413	.0008	-0.0009	.0029
13125	.300	6052.1	-1.97	.00	-0.0199	.0133	-0.0193	.0007	-0.0013	.0033
13126	.301	6055.0	-0.40	-0.00	-0.0029	.0127	-0.0024	.0009	-0.0016	.0038
13127	.301	6062.7	2.11	-0.01	.0256	.0120	.0235	.0009	-0.0018	.0046
13128	.301	6072.5	4.05	-0.01	.0583	.0112	.0493	.0010	-0.0017	.0047
13129	.301	6056.3	5.85	-0.01	.0901	.0107	.0753	.0009	-0.0017	.0046
13130	.301	6064.5	7.89	-0.02	.1316	.0097	.1070	.0007	-0.0016	.0055
13131	.301	6059.2	9.73	-0.01	.1681	.0089	.1365	.0008	-0.0019	.0052
13132	.300	6051.0	11.93	-0.03	.2062	.0067	.1701	.0010	-0.0019	.0058
13133	.300	6047.1	14.06	-0.01	.2561	.0059	.2136	.0010	-0.0019	.0056
13134	.300	6039.4	15.97	-0.02	.2996	.0046	.2507	.0009	-0.0020	.0059
13135	.301	6066.9	17.63	-0.05	.3344	.0033	.2820	.0010	-0.0018	.0060
13136	.300	6044.9	19.88	-0.05	.3875	.0013	.3257	.0006	-0.0010	.0056
13137	.300	6029.8	21.59	-0.05	.4255	-0.0003	.3583	.0006	-0.0017	.0066
13138	.301	6067.4	23.95	-0.10	.4819	-0.0027	.4056	.0005	-0.0015	.0068
13139	.300	6038.1	25.83	-0.08	.5211	-0.0046	.4403	.0005	-0.0014	.0053
13140	.300	6035.1	27.57	-0.09	.5385	-0.0058	.4626	.0007	-0.0014	.0067
13141	.300	6033.0	29.82	-0.09	.5655	-0.0083	.4917	.0002	-0.0014	.0077
13142	.300	6047.7	31.77	-0.09	.5987	-0.0093	.5246	.0001	-0.0013	.0077
13143	.300	6028.9	33.62	-0.06	.6307	-0.0115	.5531	.0006	-0.0025	.0093
13144	.300	6046.0	35.80	-0.08	.6662	-0.0141	.5828	.0006	-0.0023	.0074
13145	.301	6058.4	37.62	-0.07	.6928	-0.0169	.6046	.0007	-0.0020	.0070
13146	.300	6046.6	39.56	-0.05	.7331	-0.0184	.6340	.0007	-0.0026	.0082
13147	.300	6037.8	41.88	-0.05	.7743	-0.0213	.6656	.0009	-0.0035	.0078
13148	.300	6049.2	43.49	-0.07	.7934	-0.0238	.6814	.0008	-0.0046	.0063
13149	.299	6011.4	45.62	-0.07	.8333	-0.0262	.7106	.0003	-0.0044	.0086
13150	.300	6040.4	47.68	-0.07	.8624	-0.0294	.7299	-0.0001	-0.0037	.0093
13151	.301	6057.1	-0.20	-0.00	-0.0040	.0125	-0.0039	.0008	-0.0017	.0075

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TEST TP	24 MACH	Q PA	RUN 100 ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
13123	.301	6064.3	-4.41	-.01	-.0021	.0073	-.0021	.0002	.0003	.0003	.0014
13124	.301	6056.7	-3.84	-.04	-.0425	.0099	-.0408	.0003	.0005	.0006	.0015
13125	.300	6052.1	-1.97	-.02	-.0184	.0078	-.0182	.0002	.0002	.0002	.0014
13126	.301	6055.0	-.40	-.01	-.0022	.0072	-.0021	.0002	.0002	.0002	.0014
13127	.301	6062.7	2.11	.02	.0245	.0079	.0245	.0003	.0003	.0003	.0014
13128	.301	6072.5	4.05	.05	.0532	.0105	.0509	.0004	.0002	.0003	.0014
13129	.301	6056.3	5.85	.07	.0818	.0147	.0777	.0004	.0002	.0002	.0015
13130	.301	6064.5	7.89	.09	.1171	.0216	.1114	.0004	.0003	.0005	.0016
13131	.301	6059.2	9.72	.11	.1484	.0302	.1416	.0004	-.0001	-.0001	.0017
13132	.300	6051.0	11.93	.13	.1823	.0417	.1753	.0004	.0001	.0003	.0017
13133	.300	6047.1	14.06	.17	.2251	.0588	.2185	.0004	-.0002	-.0001	.0017
13134	.300	6039.4	15.97	.19	.2611	.0760	.2560	.0003	-.0003	-.0004	.0018
13135	.301	6066.9	17.63	.18	.2897	.0921	.2865	.0003	-.0003	-.0003	.0020
13136	.300	6044.9	19.88	.20	.3305	.1179	.3314	.0003	-.0004	-.0004	.0023
13137	.300	6029.8	21.59	.23	.3591	.1393	.3646	.0003	-.0003	-.0004	.0026
13138	.301	6067.4	23.95	.20	.3998	.1730	.4136	.0003	-.0002	-.0006	.0030
13139	.300	6038.1	25.82	.25	.4256	.1997	.4479	.0002	-.0004	-.0010	.0029
13140	.300	6035.1	27.57	.26	.4305	.2173	.4691	.0002	.0000	-.0002	.0024
13141	.300	6033.0	29.82	.28	.4423	.2451	.4957	.0003	.0002	.0001	.0030
13142	.300	6047.7	31.76	.31	.4571	.2736	.5254	.0002	.0002	.0003	.0036
13143	.300	6028.9	33.62	.35	.4714	.3006	.5522	.0001	-.0002	-.0005	.0055
13144	.300	6046.0	35.80	.36	.4840	.3327	.5803	-.0001	-.0003	-.0005	.0067
13145	.301	6058.4	37.62	.39	.4921	.3597	.6021	-.0001	-.0004	-.0007	.0067
13146	.300	6046.6	39.56	.43	.5040	.3943	.6327	-.0003	-.0006	-.0009	.0065
13147	.300	6037.8	41.88	.45	.5136	.4345	.6660	-.0008	-.0011	-.0020	.0062
13148	.300	6049.2	43.49	.44	.5144	.4587	.6831	-.0014	-.0017	-.0035	.0058
13149	.299	6011.4	45.61	.46	.5209	.4983	.7163	-.0015	-.0014	-.0023	.0051
13150	.300	6040.4	47.68	.49	.5187	.5301	.7401	-.0014	-.0011	-.0011	.0044
13151	.301	6057.1	-.20	-.01	-.0036	.0066	-.0034	.0002	.0006	.0009	.0014

TEST TP	24 MACH	Q PA	RUN 100 ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CPM2	CYM2	CY2	CDC2
13123	.301	6064.3	-4.41	-.01	-.0021	.0073	-.0021	.0002	.0003	.0003	.0004
13124	.301	6056.7	-3.84	-.04	-.0430	.0070	-.0408	.0004	.0005	.0006	.0004
13125	.300	6052.1	-1.97	-.02	-.0186	.0072	-.0182	.0003	.0002	.0002	.0004
13126	.301	6055.0	-.40	-.01	-.0023	.0072	-.0021	.0002	.0002	.0002	.0004
13127	.301	6062.7	2.11	.02	.0248	.0070	.0245	.0003	.0003	.0003	.0004
13128	.301	6072.5	4.05	.05	.0538	.0068	.0509	.0004	.0002	.0003	.0004
13129	.301	6056.3	5.85	.07	.0829	.0063	.0777	.0003	.0002	.0002	.0004
13130	.301	6064.5	7.89	.09	.1190	.0053	.1114	.0004	.0003	.0005	.0004
13131	.301	6059.2	9.72	.11	.1514	.0047	.1416	.0004	.0000	-.0001	.0004
13132	.300	6051.0	11.93	.13	.1870	.0032	.1753	.0004	.0002	.0003	.0004
13133	.300	6047.1	14.06	.17	.2326	.0023	.2185	.0004	-.0001	-.0001	.0004
13134	.300	6039.4	15.97	.19	.2719	.0012	.2560	.0004	-.0002	-.0004	.0004
13135	.301	6066.9	17.63	.18	.3040	.0001	.2865	.0004	-.0002	-.0003	.0005
13136	.300	6044.9	19.88	.20	.3509	-.0015	.3314	.0004	-.0003	-.0004	.0005
13137	.300	6029.8	21.59	.23	.3852	-.0026	.3646	.0004	-.0002	-.0004	.0006
13138	.301	6067.4	23.95	.20	.4356	-.0043	.4136	.0004	-.0001	-.0006	.0007
13139	.300	6038.1	25.82	.25	.4701	-.0056	.4479	.0003	-.0003	-.0010	.0007
13140	.300	6035.1	27.57	.26	.4822	-.0065	.4691	.0002	.0001	-.0002	.0006
13141	.300	6033.0	29.82	.28	.5056	-.0073	.4957	.0001	.0003	.0001	.0007
13142	.300	6047.7	31.76	.31	.5327	-.0080	.5254	.0001	.0003	.0003	.0008
13143	.300	6028.9	33.62	.35	.5590	-.0107	.5522	.0002	-.0001	-.0005	.0013
13144	.300	6046.0	35.80	.36	.5872	-.0133	.5803	.0001	-.0003	-.0005	.0016
13145	.301	6058.4	37.62	.39	.6094	-.0154	.6021	.0002	-.0004	-.0007	.0016
13146	.300	6046.6	39.56	.43	.6397	-.0170	.6327	.0001	-.0006	-.0009	.0016
13147	.300	6037.8	41.88	.45	.6725	-.0193	.6660	.0001	-.0014	-.0020	.0015
13148	.300	6049.2	43.49	.44	.6889	-.0212	.6831	.0002	-.0022	-.0035	.0014
13149	.299	6011.4	45.61	.46	.7205	-.0238	.7163	-.0000	-.0020	-.0023	.0012
13150	.300	6040.4	47.68	.49	.7412	-.0266	.7401	-.0002	-.0018	-.0011	.0010
13151	.301	6057.1	-.20	-.01	-.0036	.0066	-.0034	.0002	.0006	.0009	.0004

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TEST 24		RUN 101										
TP	MACH	Q	ALPHA	BETA	CL	CD	CMS	CRMS	CYMS	CYS	CDC	
		PA	DEG	DEG								
13163	.300	6049.8	-4.42	-0.00	-0.0208	.0176	.0021	.0001	-.0023	.0049	.0057	
13164	.300	6040.0	-4.11	.01	-.2199	.0329	.0156	.0002	-.0023	.0084	.0058	
13165	.300	6039.9	-1.83	.00	-.0895	.0208	.0071	.0004	-.0025	.0084	.0057	
13166	.300	6044.0	-.63	-.00	-.0127	.0191	.0012	.0002	-.0025	.0078	.0056	
13167	.301	6067.8	2.02	-.01	.1045	.0197	-.0078	.0003	-.0024	.0072	.0056	
13168	.301	6067.8	3.83	-.01	.2276	.0299	-.0157	.0005	-.0023	.0081	.0058	
13169	.301	6054.7	5.96	-.01	.3610	.0491	-.0236	.0006	-.0026	.0072	.0061	
13170	.300	6025.7	8.04	-.02	.4762	.0754	-.0299	.0002	-.0022	.0057	.0065	
13171	.299	6003.1	9.77	-.01	.6001	.1099	-.0334	-.0004	-.0022	.0046	.0068	
13172	.301	6055.0	11.87	-.02	.7401	.1601	-.0364	.0000	-.0021	.0035	.0069	
13173	.299	6007.6	13.82	-.04	.8788	.2179	-.0418	.0009	-.0025	.0032	.0071	
13174	.300	6039.8	15.83	-.02	1.0329	.2916	-.0534	.0002	-.0021	.0014	.0077	
13175	.298	5976.7	17.91	-.04	1.1717	.3739	-.0674	-.0019	-.0008	-.0005	.0078	
13176	.301	6061.9	19.91	-.03	1.2914	.4593	-.0658	.0017	-.0021	-.0020	.0080	
13177	.299	5995.5	21.78	-.39	1.3743	.5384	-.0398	.0019	-.0027	.0028	.0082	
13178	.300	6029.6	23.73	-.01	1.4100	.6080	-.0076	.0038	-.0042	-.0030	.0084	
13179	.300	6023.7	25.81	-.03	1.4493	.6910	.0075	.0057	-.0101	.0049	.0087	
13180	.300	6042.7	27.81	-.09	1.4577	.7574	.0273	.0019	-.0044	.0016	.0091	
13181	.300	6030.1	29.63	-.12	1.4851	.8335	.0444	.0015	-.0024	-.0004	.0096	
13182	.300	6035.2	31.58	-.11	1.4789	.8981	.0554	.0008	-.0020	-.0043	.0104	
13183	.300	6038.5	33.85	-.13	1.4722	.9759	.0667	.0004	-.0011	-.0070	.0113	
13184	.299	6005.5	35.78	-.03	1.4754	1.0497	.0766	-.0000	-.0013	-.0069	.0126	
13185	.300	6041.6	37.89	-.10	1.4704	1.1281	.0868	-.0003	.0013	-.0097	.0141	
13186	.301	6056.9	39.67	.01	1.4544	1.1871	.0947	-.0010	-.0016	-.0105	.0151	
13187	.299	6008.2	41.74	.02	1.4466	1.2697	.1081	-.0025	-.0047	-.0076	.0168	
13188	.302	6116.9	43.78	-.13	1.4237	1.3395	.1251	-.0043	-.0076	-.0055	.0184	
13189	.300	6015.7	45.59	.13	1.3948	1.3950	.1376	-.0067	-.0093	-.0044	.0197	
13190	.299	5977.4	47.46	.09	1.3626	1.4512	.1522	-.0079	-.0092	-.0020	.0208	
13191	.300	6030.2	-.41	-.01	-.0161	.0192	.0024	-.0000	-.0024	.0115	.0056	

TEST 24		RUN 101										
TP	MACH	Q	ALPHA	BETA	CN	CA	CM	CRM	CYM	CY		
		PA	DEG	DEG								
13163	.300	6049.8	-4.42	-0.00	-.0210	.0174	.0021	.0000	-.0023	.0049		
13164	.300	6040.0	-4.11	.01	-.2217	.0170	.0156	-.0000	-.0023	.0084		
13165	.300	6039.9	-1.83	.00	-.0902	.0179	.0071	.0003	-.0025	.0084		
13166	.300	6044.0	-.63	-.00	-.0129	.0190	.0012	.0002	-.0025	.0078		
13167	.301	6067.8	2.02	-.01	.1051	.0160	-.0078	.0004	-.0024	.0072		
13168	.301	6067.8	3.83	-.01	.2291	.0146	-.0157	.0007	-.0022	.0081		
13169	.301	6054.7	5.96	-.01	.3641	.0113	-.0236	.0009	-.0025	.0072		
13170	.300	6025.7	8.04	-.02	.4820	.0080	-.0299	.0005	-.0021	.0057		
13171	.299	6003.1	9.77	-.01	.6100	.0065	-.0334	-.0000	-.0023	.0046		
13172	.301	6055.0	11.87	-.02	.7573	.0044	-.0364	.0005	-.0021	.0035		
13173	.299	6007.6	13.82	-.04	.9054	.0016	-.0418	.0014	-.0022	.0032		
13174	.300	6039.8	15.83	-.02	1.0733	-.0012	-.0534	.0007	-.0020	.0014		
13175	.298	5976.7	17.91	-.04	1.2300	-.0045	-.0674	-.0015	-.0013	-.0005		
13176	.301	6061.9	19.91	-.03	1.3706	-.0079	-.0658	.0023	-.0014	-.0020		
13177	.299	5995.5	21.78	-.39	1.4760	-.0099	-.0398	.0027	-.0018	.0028		
13178	.300	6029.6	23.73	-.01	1.5354	-.0107	-.0076	.0052	-.0023	-.0030		
13179	.300	6023.7	25.81	-.03	1.6056	-.0091	.0075	.0095	-.0066	.0049		
13180	.300	6042.7	27.81	-.09	1.6427	-.0101	.0273	.0038	-.0030	.0016		
13181	.300	6030.1	29.63	-.12	1.7030	-.0098	.0444	.0025	-.0014	-.0004		
13182	.300	6035.2	31.58	-.11	1.7302	-.0094	.0554	.0017	-.0012	-.0043		
13183	.300	6038.5	33.85	-.13	1.7662	-.0097	.0667	.0009	-.0007	-.0070		
13184	.299	6005.5	35.78	-.03	1.8106	-.0111	.0766	.0008	-.0011	-.0069		
13185	.300	6041.6	37.89	-.10	1.8533	-.0127	.0868	-.0010	.0008	-.0097		
13186	.301	6056.9	39.67	.01	1.8773	-.0146	.0947	.0003	-.0019	-.0105		
13187	.299	6008.2	41.74	.02	1.9247	-.0158	.1081	.0013	-.0051	-.0076		
13188	.302	6116.9	43.78	-.13	1.9547	-.0179	.1251	.0021	-.0085	-.0055		
13189	.300	6015.7	45.59	.13	1.9726	-.0201	.1376	.0019	-.0113	-.0044		
13190	.299	5977.4	47.46	.09	1.9905	-.0227	.1522	.0014	-.0120	-.0020		
13191	.300	6030.2	-.41	-.01	-.0163	.0191	.0024	-.0000	-.0024	.0115		

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TEST TP	24 MACH	Q PA	RUN 101		CL2	GD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
13163	.300	6049.8	-.42	-.01	-.0016	.0050	-.0022	.0000	.0003	.0004	.0011
13164	.300	6040.0	-4.11	-.05	-.0390	.0078	-.0378	.0000	.0007	.0011	.0006
13165	.300	6039.9	-1.83	-.02	-.0133	.0057	-.0139	.0001	.0005	.0007	.0009
13166	.300	6044.0	-.63	-.01	-.0001	.0059	-.0008	.0000	.0005	.0008	.0011
13167	.301	6067.8	2.02	.02	.0205	.0061	.0191	.0001	.0005	.0008	.0015
13168	.301	6067.8	3.83	.04	.0454	.0090	.0416	.0001	.0003	.0005	.0022
13169	.301	6054.7	5.96	.06	.0741	.0135	.0677	.0001	.0002	.0004	.0034
13170	.300	6025.7	8.04	.08	.0999	.0192	.0910	.0001	.0000	.0002	.0047
13171	.299	6003.1	9.77	.11	.1291	.0271	.1176	.0001	-.0001	-.0000	.0062
13172	.301	6055.0	11.87	.14	.1641	.0389	.1494	.0001	-.0002	-.0000	.0081
13173	.299	6007.6	13.82	.14	.1968	.0524	.1797	.0001	.0000	.0004	.0100
13174	.300	6039.8	15.83	.19	.2322	.0692	.2129	.0000	-.0002	.0003	.0124
13175	.298	5976.7	17.91	.19	.2650	.0878	.2441	.0000	-.0002	.0005	.0150
13176	.301	6061.9	19.91	.22	.2989	.1096	.2778	-.0000	-.0002	.0003	.0177
13177	.299	5995.5	21.78	-.12	.3352	.1347	.3152	.0003	.0005	.0019	.0205
13178	.300	6029.6	23.73	.29	.3625	.1589	.3460	-.0002	-.0005	-.0001	.0223
13179	.300	6023.7	25.81	.30	.3908	.1873	.3801	-.0002	-.0004	.0002	.0240
13180	.300	6042.7	27.81	.26	.4098	.2123	.4070	-.0001	.0001	.0014	.0251
13181	.300	6030.1	29.63	.25	.4307	.2392	.4386	.0000	.0004	.0020	.0263
13182	.300	6035.2	31.58	.28	.4395	.2610	.4621	-.0002	-.0006	-.0003	.0263
13183	.300	6038.5	33.85	.29	.4462	.2869	.4866	-.0006	-.0014	-.0019	.0288
13184	.299	6005.5	35.78	.40	.4545	.3121	.5095	-.0010	-.0017	-.0025	.0314
13185	.300	6041.6	37.89	.36	.4614	.3404	.5334	-.0012	-.0017	-.0029	.0324
13186	.301	6056.9	39.66	.48	.4629	.3622	.5488	-.0021	-.0029	-.0058	.0331
13187	.299	6008.2	41.74	.52	.4695	.3928	.5757	-.0029	-.0033	-.0063	.0320
13188	.302	6116.9	43.78	.39	.4729	.4212	.6009	-.0039	-.0040	-.0078	.0325
13189	.300	6015.7	45.59	.66	.4725	.4445	.6199	-.0051	-.0046	-.0092	.0324
13190	.299	5977.4	47.45	.64	.4715	.4691	.6422	-.0059	-.0048	-.0087	.0310
13191	.300	6030.2	-.41	-.01	-.0006	.0052	-.0014	.0000	.0003	.0005	.0011

TEST TP	24 MACH	Q PA	RUN 101		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
13163	.300	6049.8	-.42	-.01	-.0016	.0050	-.0022	.0000	.0003	.0004	.0003
13164	.300	6040.0	-4.11	-.05	-.0395	.0049	-.0378	.0001	.0007	.0011	.0002
13165	.300	6039.9	-1.83	-.02	-.0135	.0053	-.0139	.0001	.0005	.0007	.0002
13166	.300	6044.0	-.63	-.01	-.0002	.0059	-.0008	.0000	.0005	.0008	.0003
13167	.301	6067.8	2.02	.02	.0207	.0054	.0191	.0000	.0005	.0008	.0004
13168	.301	6067.8	3.83	.04	.0459	.0059	.0416	.0000	.0003	.0005	.0005
13169	.301	6054.7	5.96	.06	.0751	.0058	.0677	.0001	.0002	.0004	.0009
13170	.300	6025.7	8.04	.08	.1016	.0050	.0910	.0001	.0000	.0002	.0012
13171	.299	6003.1	9.77	.11	.1318	.0049	.1176	.0001	-.0001	-.0000	.0016
13172	.301	6055.0	11.87	.14	.1686	.0043	.1494	.0001	-.0002	-.0000	.0021
13173	.299	6007.6	13.82	.14	.2036	.0038	.1797	.0001	.0000	.0004	.0025
13174	.300	6039.8	15.83	.19	.2423	.0032	.2129	.0001	-.0002	.0003	.0032
13175	.298	5976.7	17.91	.19	.2792	.0020	.2441	.0001	-.0002	.0005	.0038
13176	.301	6061.9	19.91	.22	.3183	.0013	.2778	.0001	-.0002	.0003	.0045
13177	.299	5995.5	21.78	-.12	.3612	.0007	.3152	.0000	.0006	.0019	.0052
13178	.300	6029.6	23.73	.29	.3958	-.0004	.3460	.0000	-.0005	-.0001	.0057
13179	.300	6023.7	25.81	.30	.4334	-.0016	.3801	-.0000	-.0005	.0002	.0061
13180	.300	6042.7	27.81	.26	.4616	-.0034	.4070	-.0001	.0001	.0014	.0064
13181	.300	6030.1	29.63	.25	.4926	-.0050	.4386	-.0002	.0004	.0020	.0067
13182	.300	6035.2	31.58	.28	.5111	-.0078	.4621	.0001	-.0007	-.0003	.0067
13183	.300	6038.5	33.85	.29	.5304	-.0103	.4866	.0002	-.0015	-.0019	.0074
13184	.299	6005.5	35.78	.40	.5512	-.0125	.5095	.0002	-.0020	-.0025	.0081
13185	.300	6041.6	37.89	.36	.5732	-.0147	.5334	.0001	-.0021	-.0029	.0083
13186	.301	6056.9	39.66	.48	.5875	-.0166	.5488	.0002	-.0036	-.0058	.0085
13187	.299	6008.2	41.74	.52	.6118	-.0194	.5757	.0000	-.0044	-.0063	.0082
13188	.302	6116.9	43.78	.39	.6328	-.0230	.6009	-.0000	-.0056	-.0078	.0083
13189	.300	6015.7	45.59	.66	.6482	-.0265	.6199	-.0003	-.0069	-.0092	.0083
13190	.299	5977.4	47.45	.64	.6644	-.0302	.6422	-.0005	-.0075	-.0087	.0080
13191	.300	6030.2	-.41	-.01	-.0007	.0052	-.0014	.0000	.0003	.0005	.0003



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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
13312	.301	6022.6	-4.40	-0.00	-.0014	.0115	-.0043	.0005	-.0012	.0021	.0060
13313	.301	6014.1	-4.10	.00	-.0303	.0150	-.0332	.0005	-.0010	.0020	.0061
13314	.301	6016.4	-2.07	-0.00	-.0093	.0134	-.0129	.0003	-.0010	.0021	.0061
13315	.301	6021.2	-.64	-0.00	-.0001	.0129	-.0029	.0004	-.0013	.0028	.0060
13316	.301	6021.2	2.01	.00	.0189	.0128	.0159	.0004	-.0012	.0026	.0063
13317	.301	6024.6	3.89	.01	.0378	.0141	.0319	.0004	-.0014	.0030	.0067
13318	.300	6012.3	5.79	.01	.0579	.0170	.0492	.0003	-.0015	.0032	.0069
13319	.301	6018.3	8.07	.01	.0827	.0220	.0715	.0004	-.0019	.0033	.0074
13320	.301	6019.0	9.79	.01	.0998	.0261	.0865	.0001	-.0020	.0039	.0078
13321	.301	6018.2	11.93	.02	.1275	.0356	.1122	.0002	-.0018	.0036	.0084
13322	.301	6031.6	13.74	-.01	.1477	.0432	.1295	.0001	-.0014	.0043	.0086
13323	.300	5993.8	15.70	.03	.1721	.0541	.1519	-.0001	-.0014	.0039	.0094
13324	.300	5993.1	17.71	.04	.2029	.0699	.1805	.0000	-.0013	.0037	.0106
13325	.301	6016.0	19.80	.08	.2303	.0862	.2077	-.0002	-.0015	.0040	.0115
13326	.300	6002.4	21.94	.06	.2561	.1037	.2324	-.0004	-.0014	.0052	.0121
13327	.300	5985.7	23.68	.09	.2797	.1224	.2598	-.0006	-.0013	.0050	.0127
13328	.299	5964.8	25.56	.07	.3028	.1424	.2853	-.0007	-.0010	.0061	.0136
13329	.300	5985.8	27.72	.05	.3132	.1588	.3048	-.0011	-.0018	.0109	.0141
13330	.299	5973.1	29.58	.15	.3336	.1824	.3301	-.0013	-.0032	.0117	.0150
13331	.301	6021.9	31.54	.12	.3571	.2097	.3559	-.0012	-.0033	.0091	.0157
13332	.300	6000.8	33.59	.13	.3772	.2384	.3804	-.0013	-.0016	.0061	.0161
13333	.300	5991.5	35.51	.12	.3888	.2627	.4004	-.0016	-.0019	.0051	.0164
13334	.299	5969.6	37.70	.16	.4072	.2962	.4285	-.0020	-.0027	.0058	.0165
13335	.306	5984.3	39.83	.10	.4186	.3256	.4497	-.0027	-.0033	.0078	.0167
13336	.300	5979.9	41.75	.14	.4353	.3617	.4761	-.0049	-.0056	.0074	.0168
13337	.300	6008.8	43.55	.08	.4425	.3890	.4909	-.0058	-.0058	.0048	.0166
13338	.301	6017.3	45.65	.13	.4572	.4312	.5180	-.0077	-.0074	.0043	.0167
13339	.300	5998.9	47.48	.03	.4606	.4604	.5334	-.0081	-.0075	.0051	.0165
13340	.299	5971.3	-.43	-.01	.0015	.0126	-.0028	.0003	-.0013	.0079	.0060

TEST TP	24 MACH	Q PA	ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY
13312	.301	6022.6	-4.40	-0.00	-.0015	.0115	-.0043	.0005	-.0012	.0021
13313	.301	6014.1	-4.10	.00	-.0313	.0128	-.0332	.0005	-.0011	.0020
13314	.301	6016.4	-2.07	-0.00	-.0097	.0131	-.0129	.0003	-.0010	.0021
13315	.301	6021.2	-.64	-0.00	-.0002	.0129	-.0029	.0004	-.0013	.0028
13316	.301	6021.2	2.01	.00	.0193	.0121	.0159	.0004	-.0012	.0026
13317	.301	6024.6	3.89	.01	.0387	.0115	.0319	.0005	-.0014	.0030
13318	.300	6012.3	5.79	.01	.0593	.0111	.0492	.0005	-.0015	.0032
13319	.301	6018.3	8.07	.01	.0850	.0102	.0715	.0007	-.0018	.0033
13320	.301	6019.0	9.79	.01	.1028	.0087	.0865	.0004	-.0019	.0039
13321	.301	6018.2	11.93	.02	.1321	.0085	.1122	.0005	-.0017	.0036
13322	.301	6031.6	13.74	-.01	.1538	.0069	.1295	.0004	-.0014	.0043
13323	.300	5993.8	15.70	.03	.1803	.0055	.1519	.0003	-.0013	.0039
13324	.300	5993.1	17.71	.04	.2145	.0049	.1805	.0004	-.0013	.0037
13325	.301	6016.0	19.80	.08	.2459	.0031	.2077	.0003	-.0015	.0040
13326	.300	6002.4	21.94	.06	.2763	.0005	.2324	.0001	-.0015	.0052
13327	.300	5985.7	23.68	.09	.3052	-.0003	.2598	-.0001	-.0014	.0050
13328	.299	5964.8	25.56	.07	.3346	-.0022	.2853	-.0002	-.0013	.0061
13329	.300	5985.8	27.72	.05	.3511	-.0051	.3048	-.0002	-.0021	.0109
13330	.299	5973.1	29.58	.15	.3802	-.0060	.3301	.0005	-.0034	.0117
13331	.301	6021.9	31.54	.12	.4141	-.0081	.3559	.0007	-.0035	.0091
13332	.300	6000.8	33.59	.13	.4461	-.0101	.3804	-.0001	-.0020	.0061
13333	.300	5991.5	35.51	.12	.4691	-.0120	.4004	-.0002	-.0025	.0051
13334	.299	5969.6	37.70	.16	.5033	-.0146	.4285	.0001	-.0034	.0058
13335	.300	5984.3	39.83	.10	.5300	-.0181	.4497	.0000	-.0042	.0078
13336	.300	5979.9	41.75	.14	.5656	-.0200	.4761	.0001	-.0075	.0074
13337	.300	6008.8	43.55	.08	.5888	-.0229	.4909	-.0002	-.0082	.0048
13338	.301	6017.3	45.65	.13	.6280	-.0254	.5180	-.0001	-.0107	.0043
13339	.300	5998.9	47.48	.03	.6506	-.0283	.5334	.0001	-.0110	.0051
13340	.299	5971.3	-.43	-.01	.0014	.0126	-.0028	.0003	-.0013	.0079

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TEST 24		RUN 107									
TP	MACH	Q PA	ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CD82
13312	.301	6022.6	-4.0	-.01	-.0021	.0062	-.0026	.0001	.0001	-.0000	.0013
13313	.301	6014.1	-4.10	-.05	-.0296	.0083	-.0322	.0001	.0003	.0002	.0013
13314	.301	6016.4	-2.07	-.03	-.0094	.0073	-.0109	.0001	.0002	.0002	.0013
13315	.301	6021.2	-.64	-.01	-.0009	.0070	-.0013	.0001	.0001	.0001	.0013
13316	.301	6021.2	2.01	.03	.0161	.0075	.0178	.0001	-.0001	-.0003	.0013
13317	.301	6024.6	3.89	.06	.0326	.0089	.0352	.0001	-.0002	-.0003	.0013
13318	.300	6012.3	5.79	.09	.0503	.0115	.0538	.0001	-.0002	-.0003	.0015
13319	.301	6018.3	8.07	.12	.0727	.0162	.0770	.0001	-.0004	-.0007	.0017
13320	.301	6019.0	9.79	.14	.0872	.0199	.0925	.0001	-.0002	-.0003	.0019
13321	.301	6018.2	11.93	.18	.1118	.0280	.1188	.0001	-.0004	-.0005	.0021
13322	.301	6031.6	13.74	.17	.1286	.0347	.1372	.0001	-.0003	-.0003	.0022
13323	.300	5993.8	15.69	.23	.1494	.0444	.1603	.0000	-.0004	-.0006	.0024
13324	.300	5993.1	17.71	.27	.1755	.0576	.1895	.0000	-.0004	-.0005	.0028
13325	.301	6016.0	19.80	.33	.1994	.0722	.2166	-.0001	-.0007	-.0010	.0032
13326	.300	6002.4	21.94	.34	.2204	.0873	.2414	-.0001	-.0004	-.0005	.0036
13327	.300	5985.7	23.68	.39	.2426	.1042	.2679	-.0002	-.0005	-.0005	.0040
13328	.299	5964.8	25.56	.40	.2630	.1222	.2933	-.0001	-.0003	-.0002	.0041
13329	.300	5985.8	27.72	.40	.2684	.1349	.3105	.0001	-.0002	-.0002	.0037
13330	.299	5973.1	29.58	.52	.2831	.1542	.3340	-.0001	-.0005	-.0006	.0045
13331	.301	6021.9	31.54	.51	.3004	.1769	.3601	-.0003	-.0009	-.0015	.0042
13332	.300	6000.8	33.59	.54	.3148	.2002	.3848	-.0005	-.0012	-.0022	.0038
13333	.300	5991.5	35.51	.56	.3244	.2208	.4047	-.0008	-.0015	-.0028	.0038
13334	.299	5969.6	37.69	.61	.3399	.2475	.4328	-.0010	-.0016	-.0030	.0059
13335	.300	5984.3	39.83	.58	.3495	.2713	.4554	-.0011	-.0016	-.0030	.0074
13336	.300	5979.9	41.74	.64	.3618	.2991	.4837	-.0022	-.0028	-.0051	.0073
13337	.300	6008.8	43.54	.60	.3660	.3205	.5022	-.0030	-.0034	-.0077	.0067
13338	.301	6017.3	45.64	.66	.3762	.3531	.5346	-.0044	-.0044	-.0097	.0056
13339	.300	5998.9	47.47	.59	.3775	.3756	.5539	-.0049	-.0044	-.0093	.0047
13340	.299	5971.3	-.43	-.01	-.0010	.0065	-.0015	.0001	.0003	.0005	.0013

TEST 24		RUN 107									
TP	MACH	Q PA	ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
13312	.301	6022.6	-4.0	-.01	-.0021	.0062	-.0026	.0001	.0001	-.0000	.0003
13313	.301	6014.1	-4.10	-.05	-.0301	.0061	-.0322	.0001	.0003	.0002	.0003
13314	.301	6016.4	-2.07	-.03	-.0096	.0070	-.0109	.0001	.0002	.0002	.0003
13315	.301	6021.2	-.64	-.01	-.0010	.0070	-.0013	.0001	.0001	.0001	.0003
13316	.301	6021.2	2.01	.03	.0163	.0070	.0178	.0001	-.0001	-.0003	.0003
13317	.301	6024.6	3.89	.06	.0331	.0066	.0352	.0001	-.0001	-.0003	.0003
13318	.300	6012.3	5.79	.09	.0512	.0063	.0538	.0001	-.0002	-.0003	.0004
13319	.301	6018.3	8.07	.12	.0742	.0058	.0770	.0001	-.0004	-.0007	.0004
13320	.301	6019.0	9.79	.14	.0893	.0048	.0925	.0001	-.0002	-.0003	.0005
13321	.301	6018.2	11.93	.18	.1152	.0043	.1188	.0002	-.0003	-.0005	.0005
13322	.301	6031.6	13.74	.17	.1332	.0032	.1372	.0002	-.0003	-.0003	.0005
13323	.300	5993.8	15.69	.23	.1558	.0024	.1603	.0002	-.0004	-.0006	.0006
13324	.300	5993.1	17.71	.27	.1847	.0015	.1895	.0001	-.0004	-.0005	.0007
13325	.301	6016.0	19.80	.33	.2121	.0004	.2166	.0001	-.0007	-.0010	.0008
13326	.300	6002.4	21.94	.34	.2371	-.0013	.2414	.0001	-.0004	-.0005	.0009
13327	.300	5985.7	23.68	.39	.2640	-.0020	.2679	.0000	-.0005	-.0005	.0010
13328	.299	5964.8	25.56	.40	.2900	-.0032	.2933	.0000	-.0003	-.0002	.0010
13329	.300	5985.8	27.72	.40	.3004	-.0034	.3105	.0001	-.0001	-.0002	.0009
13330	.299	5973.1	29.58	.52	.3223	-.0056	.3340	.0002	-.0005	-.0006	.0011
13331	.301	6021.9	31.54	.51	.3486	-.0064	.3601	.0002	-.0009	-.0015	.0010
13332	.300	6000.8	33.59	.54	.3730	-.0074	.3848	.0002	-.0012	-.0022	.0009
13333	.300	5991.5	35.51	.56	.3923	-.0086	.4047	.0002	-.0017	-.0028	.0009
13334	.299	5969.6	37.69	.61	.4203	-.0120	.4328	.0002	-.0018	-.0030	.0014
13335	.300	5984.3	39.83	.58	.4422	-.0155	.4554	.0001	-.0019	-.0030	.0018
13336	.300	5979.9	41.74	.64	.4690	-.0177	.4837	.0002	-.0036	-.0059	.0018
13337	.300	6008.8	43.54	.60	.4860	-.0198	.5022	.0001	-.0045	-.0077	.0016
13338	.301	6017.3	45.64	.66	.5155	-.0221	.5346	.0000	-.0062	-.0097	.0013
13339	.300	5998.9	47.47	.59	.5320	-.0243	.5539	-.0001	-.0066	-.0093	.0011
13340	.299	5971.3	-.43	-.01	-.0011	.0065	-.0015	.0001	.0003	.0005	.0003

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TEST 24		RUN 108									
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
13355	.301	6009.1	-4.43	-0.00	-.0195	.0165	.0026	.0002	-.0020	.0047	.0057
13356	.300	5991.9	-3.98	-.02	-.1824	.0296	.0250	.0003	-.0021	.0078	.0058
13357	.301	6013.5	-1.91	-.01	-.0749	.0201	.0097	.0001	-.0022	.0072	.0057
13358	.301	6006.0	-.65	-.01	-.0096	.0179	.0015	-.0001	-.0020	.0073	.0057
13359	.301	6011.2	2.08	.00	.1240	.0203	-.0169	.0005	-.0021	.0066	.0057
1336C	.301	6009.8	4.10	.00	.2220	.0276	-.0310	.0004	-.0020	.0068	.0059
13361	.300	5988.5	6.15	.01	.3590	.0483	-.0495	.0004	-.0021	.0051	.0064
13362	.300	5980.6	7.87	.01	.4395	.0677	-.0589	-.0001	-.0019	.0051	.0066
13363	.300	5961.1	9.76	.01	.5628	.1010	-.0773	.0000	-.0019	.0036	.0069
13364	.300	5992.0	11.97	.03	.6974	.1513	-.0899	.0002	-.0020	.0026	.0073
13365	.300	5977.6	13.77	.04	.7737	.1903	-.0968	.0014	-.0022	.0022	.0075
13368	.301	6006.5	16.01	.06	.8593	.2504	-.1005	.0027	-.0028	.0022	.0075
13369	.301	5997.6	17.68	.01	.8901	.2890	-.1075	.0006	-.0012	.0031	.0074
13370	.299	5951.8	19.86	.02	.9339	.3544	-.1227	-.0001	-.0022	.0016	.0074
13371	.300	5955.1	21.67	.03	.9841	.4015	-.1295	.0007	-.0005	.0028	.0077
13372	.300	5958.6	23.96	.04	.9868	.4523	-.1267	.0019	-.0019	.0038	.0090
13373	.299	5952.7	25.57	.02	1.0033	.4933	-.1278	.0007	.0013	.0017	.0101
13374	.300	5968.8	27.60	-.00	1.0283	.5482	-.1315	.0003	.0040	-.0007	.0109
13375	.300	5957.9	29.56	.03	1.0804	.6211	-.1343	.0005	.0033	-.0011	.0118
13376	.301	5993.2	31.81	.01	1.1179	.6968	-.1378	-.0003	.0068	-.0104	.0124
13377	.300	5965.8	33.86	.07	1.1568	.7763	-.1399	.0003	.0101	-.0150	.0139
13378	.303	6081.6	35.56	.09	1.1767	.8382	-.1421	.0008	.0067	-.0127	.0148
13379	.300	5975.3	37.65	.07	1.1993	.9185	-.1419	.0013	.0038	-.0071	.0161
13380	.301	6006.5	39.84	.11	1.2014	.9920	-.1349	.0024	.0058	-.0259	.0182
13381	.300	5968.2	41.59	.17	1.1953	1.0473	-.1275	.0009	.0033	-.0269	.0199
13382	.299	5946.0	43.66	.24	1.1847	1.1132	-.1173	-.0022	-.0016	-.0288	.0213
13383	.300	5975.3	45.48	.24	1.1701	1.1683	-.1078	-.0073	-.0076	-.0295	.0223
13384	.300	5959.0	47.61	.26	1.1434	1.2255	-.0948	-.0129	-.0112	-.0327	.0232
13385	.301	6025.3	-.42	-.01	-.0142	.0177	.0034	.0001	-.0019	.0105	.0058

TEST 24		RUN 108									
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CM	CA	CM	CRM	CYM	CY	
13355	.301	6009.1	-4.43	-0.00	-.0196	.0163	.0026	.0002	-.0020	.0047	
13356	.300	5991.9	-3.98	-.02	-.1840	.0169	.0250	.0001	-.0021	.0078	
13357	.301	6013.5	-1.91	-.01	-.0755	.0176	.0097	.0000	-.0022	.0072	
13358	.301	6006.0	-.65	-.01	-.0098	.0178	.0015	-.0002	-.0020	.0073	
13359	.301	6011.2	2.08	.00	.1247	.0158	-.0169	.0005	-.0021	.0066	
1336C	.301	6009.8	4.10	.00	.2234	.0117	-.0310	.0005	-.0020	.0068	
13361	.300	5988.5	6.15	.01	.3621	.0095	-.0495	.0006	-.0020	.0051	
13362	.300	5980.6	7.87	.01	.4446	.0069	-.0589	.0002	-.0019	.0051	
13363	.300	5961.1	9.76	.01	.5718	.0041	-.0773	.0003	-.0018	.0036	
13364	.300	5992.0	11.97	.03	.7136	.0034	-.0899	.0006	-.0019	.0026	
13365	.300	5977.6	13.77	.04	.7967	.0007	-.0968	.0019	-.0018	.0022	
13368	.301	6006.5	16.01	.06	.8950	.0037	-.1005	.0034	-.0020	.0022	
13369	.301	5997.6	17.68	.01	.9339	.0050	-.1075	.0009	-.0010	.0031	
13370	.299	5951.8	19.86	.02	1.0176	.0091	-.1227	-.0002	.0004	.0016	
13371	.300	5955.1	21.67	.03	1.0628	.0097	-.1295	.0009	-.0002	.0028	
13372	.300	5958.6	23.96	.04	1.0854	.0127	-.1267	.0025	-.0009	.0038	
13373	.299	5952.7	25.57	.02	1.1179	.0120	-.1278	.0001	.0015	.0017	
13374	.300	5968.8	27.60	-.00	1.1653	.0094	-.1315	-.0016	.0037	-.0007	
13375	.300	5957.9	29.56	.03	1.2461	.0072	-.1343	-.0012	.0031	-.0011	
13376	.301	5993.2	31.81	.01	1.3173	.0028	-.1378	-.0038	.0057	-.0104	
13377	.300	5965.8	33.86	.07	1.3931	.0001	-.1399	-.0054	.0085	-.0150	
13378	.303	6081.6	35.56	.09	1.4447	-.0026	-.1421	-.0033	.0059	-.0127	
13379	.300	5975.3	37.65	.07	1.5106	-.0054	-.1419	-.0013	.0038	-.0071	
13380	.301	6006.5	39.84	.11	1.5580	-.0080	-.1349	-.0018	.0060	-.0259	
13381	.300	5968.2	41.59	.17	1.5891	-.0101	-.1275	-.0016	.0031	-.0269	
13382	.299	5946.0	43.66	.24	1.6256	-.0126	-.1173	-.0005	-.0026	-.0288	
13383	.300	5975.3	45.48	.24	1.6535	-.0150	-.1078	.0002	-.0105	-.0295	
13384	.300	5959.0	47.61	.26	1.6759	-.0184	-.0948	-.0004	-.0170	-.0327	
13385	.301	6025.3	-.42	-.01	-.0143	.0176	.0034	.0001	-.0019	.0105	

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TEST TP	24 MACH	Q PA	RUN 108 ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
13355	.301	6009.1	-4.43	-.01	-.0012	.0037	-.0018	.0000	.0002	-.0000	.0007
13356	.300	5991.9	-3.98	-.07	-.0164	.0056	-.0199	-.0000	.0003	.0001	.0007
13357	.301	6013.5	-1.91	-.03	-.0060	.0049	-.0078	-.0000	.0003	.0001	.0007
13358	.301	6006.0	-.65	-.01	.0002	.0049	-.0002	-.0000	.0002	.0000	.0008
13359	.301	6011.2	2.08	.03	.0128	.0056	.0146	-.0000	.0001	-.0001	.0011
13360	.301	6009.8	4.10	.05	.0233	.0064	.0263	.0000	.0002	.0001	.0014
13361	.300	5988.5	6.15	.09	.0381	.0093	.0422	-.0000	-.0000	-.0002	.0026
13362	.300	5980.6	7.87	.11	.0477	.0109	.0524	-.0000	-.0000	-.0001	.0034
13363	.300	5961.1	9.76	.14	.0618	.0150	.0669	-.0000	-.0000	-.0000	.0048
13364	.300	5992.0	11.97	.19	.0814	.0221	.0871	-.0001	-.0002	-.0002	.0070
13365	.300	5977.6	13.76	.22	.0933	.0275	.0995	-.0001	-.0002	-.0003	.0082
13368	.301	6006.5	16.00	.27	.1134	.0372	.1212	-.0002	-.0005	-.0004	.0104
13369	.301	5997.6	17.68	.23	.1226	.0429	.1317	-.0001	-.0000	.0004	.0108
1337C	.299	5951.8	19.86	.27	.1395	.0536	.1520	.0000	.0003	.0013	.0116
13371	.300	5955.1	21.67	.30	.1502	.0612	.1656	.0001	.0006	.0021	.0126
13372	.300	5956.6	23.96	.35	.1630	.0727	.1829	.0001	.0006	.0023	.0137
13373	.299	5952.7	25.57	.35	.1725	.0816	.1957	.0002	.0008	.0027	.0143
13374	.300	5968.8	27.60	.35	.1825	.0930	.2096	.0003	.0006	.0017	.0143
13375	.300	5957.9	29.56	.40	.1976	.1078	.2296	.0003	.0004	.0014	.0156
13376	.301	5993.2	31.81	.40	.2081	.1216	.2451	-.0007	-.0012	-.0030	.0169
13377	.300	5965.8	33.86	.48	.2206	.1374	.2649	-.0010	-.0015	-.0034	.0184
13378	.303	6081.6	35.56	.52	.2279	.1492	.2777	-.0011	-.0015	-.0033	.0202
13379	.300	5975.3	37.65	.52	.2382	.1667	.2955	-.0006	-.0007	-.0015	.0255
13380	.301	6006.5	39.84	.59	.2494	.1875	.3151	-.0026	-.0031	-.0081	.0297
13381	.300	5968.2	41.58	.66	.2574	.2048	.3309	-.0038	-.0044	-.0109	.0303
13382	.299	5946.0	43.66	.75	.2667	.2264	.3512	-.0058	-.0063	-.0163	.0305
13383	.300	5975.3	45.47	.78	.2744	.2459	.3697	-.0088	-.0088	-.0230	.0305
13384	.300	5959.0	47.61	.81	.2813	.2683	.3910	-.0123	-.0114	-.0306	.0297
13385	.301	6025.3	-.42	-.02	-.0001	.0037	-.0006	-.0000	.0000	.0001	.0007

TEST TP	24 MACH	Q PA	RUN 108 ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
13355	.301	6009.1	-4.43	-.01	-.0012	.0036	-.0018	.0000	.0002	-.0000	.0002
13356	.300	5991.9	-3.98	-.07	-.0168	.0045	-.0199	-.0000	.0003	.0001	.0002
13357	.301	6013.5	-1.91	-.03	-.0062	.0047	-.0078	.0000	.0003	.0001	.0002
13358	.301	6006.0	-.65	-.01	.0002	.0049	-.0002	-.0000	.0002	.0000	.0002
13359	.301	6011.2	2.08	.03	.0130	.0051	.0146	-.0000	.0001	-.0001	.0003
13360	.301	6009.8	4.10	.05	.0237	.0048	.0263	-.0000	.0002	.0001	.0004
13361	.300	5988.5	6.15	.09	.0388	.0052	.0422	-.0000	-.0000	-.0002	.0006
13362	.300	5980.6	7.87	.11	.0487	.0043	.0524	-.0000	-.0000	-.0001	.0009
13363	.300	5961.1	9.76	.14	.0635	.0043	.0669	-.0000	-.0000	-.0000	.0012
13364	.300	5992.0	11.97	.19	.0842	.0047	.0871	-.0000	-.0002	-.0002	.0018
13365	.300	5977.6	13.76	.22	.0972	.0045	.0995	-.0000	-.0002	-.0003	.0021
13368	.301	6006.5	16.00	.27	.1193	.0045	.1212	-.0001	-.0005	-.0004	.0027
13369	.301	5997.6	17.68	.23	.1298	.0036	.1317	-.0001	-.0000	.0004	.0028
13370	.299	5951.8	19.86	.27	.1494	.0030	.1520	-.0001	.0003	.0013	.0030
13371	.300	5955.1	21.67	.30	.1622	.0014	.1656	-.0001	.0006	.0021	.0032
13372	.300	5956.6	23.96	.35	.1785	.0002	.1829	-.0002	.0006	.0023	.0035
13373	.299	5952.7	25.57	.35	.1908	-.0008	.1957	-.0001	.0008	.0027	.0037
13374	.300	5968.8	27.60	.35	.2049	-.0021	.2096	-.0000	.0007	.0017	.0037
13375	.300	5957.9	29.56	.40	.2251	-.0037	.2296	.0000	.0005	.0014	.0040
13376	.301	5993.2	31.81	.40	.2409	-.0063	.2451	.0000	-.0014	-.0030	.0043
13377	.300	5965.8	33.86	.48	.2598	-.0088	.2649	.0000	-.0018	-.0034	.0047
13378	.303	6081.6	35.56	.52	.2722	-.0111	.2777	-.0000	-.0018	-.0033	.0052
13379	.300	5975.3	37.65	.52	.2904	-.0135	.2955	-.0000	-.0009	-.0015	.0066
13380	.301	6006.5	39.84	.59	.3116	-.0158	.3151	-.0000	-.0041	-.0081	.0076
13381	.300	5968.2	41.58	.66	.3284	-.0176	.3309	.0001	-.0058	-.0109	.0078
13382	.299	5946.0	43.66	.75	.3493	-.0203	.3512	.0002	-.0086	-.0163	.0078
13383	.300	5975.3	45.47	.78	.3677	-.0232	.3697	.0001	-.0124	-.0230	.0078
13384	.300	5959.0	47.61	.81	.3878	-.0269	.3910	.0001	-.0168	-.0306	.0076
13385	.301	6025.3	-.42	-.02	-.0002	.0037	-.0006	-.0000	.0000	.0001	.0002

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 114		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
13520	.299	5979.6	-39	-.00	-.0018	.0099	-.0025	.0004	-.0012	.0025	.0060
13521	.300	5994.9	-3.84	.01	-.0141	.0118	-.0183	.0004	-.0010	.0045	.0063
13522	.300	6002.9	-1.79	.01	-.0039	.0115	-.0071	.0003	-.0010	.0058	.0060
13523	.300	6003.5	-.61	-.00	-.0010	.0115	-.0019	.0004	-.0011	.0045	.0060
13524	.301	6031.0	1.93	-.00	.0083	.0117	.0092	.0003	-.0014	.0049	.0065
13525	.301	6024.9	4.01	.00	.0170	.0123	.0193	.0003	-.0016	.0059	.0069
13526	.300	6020.2	6.10	.01	.0284	.0141	.0296	.0002	-.0017	.0059	.0072
13527	.301	6024.2	7.82	.01	.0371	.0158	.0382	.0000	-.0016	.0057	.0075
13528	.301	6025.2	9.99	.01	.0501	.0192	.0499	.0001	-.0015	.0057	.0082
13529	.300	6017.6	11.76	.01	.0621	.0229	.0595	-.0000	-.0015	.0057	.0088
13530	.300	6008.2	13.90	.02	.0756	.0279	.0732	-.0001	-.0013	.0052	.0097
13531	.300	6008.9	15.94	.03	.0905	.0341	.0866	-.0001	-.0011	.0054	.0108
13532	.300	6021.8	17.96	.03	.1037	.0407	.0990	-.0003	-.0009	.0054	.0118
13533	.300	6017.4	19.92	.02	.1166	.0481	.1117	-.0005	-.0011	.0087	.0125
13534	.300	6014.8	21.88	.00	.1297	.0551	.1232	-.0008	-.0013	.0111	.0130
13535	.300	6010.2	23.75	.02	.1450	.0661	.1378	-.0007	-.0019	.0116	.0135
13536	.299	5978.7	25.89	.01	.1629	.0795	.1537	-.0008	-.0020	.0139	.0140
13537	.300	6019.2	27.93	.01	.1780	.0922	.1657	.0001	-.0031	.0062	.0146
13538	.299	5977.0	29.85	.02	.1903	.1045	.1789	-.0004	-.0033	.0106	.0152
13539	.300	6002.4	31.88	.03	.2054	.1201	.1938	.0003	.0009	-.0016	.0159
13540	.300	6016.5	33.86	-.03	.2178	.1345	.2064	-.0001	.0014	-.0044	.0162
13541	.299	5981.5	35.86	.00	.2362	.1562	.2228	-.0011	.0004	-.0037	.0165
13542	.300	6006.8	37.52	.04	.2493	.1742	.2365	-.0016	.0001	-.0029	.0167
13543	.300	6007.5	39.61	.06	.2650	.1985	.2510	-.0032	-.0022	.0083	.0168
13544	.300	5988.7	41.47	.11	.2776	.2212	.2649	-.0053	-.0046	-.0001	.0167
13545	.301	6035.0	43.68	.08	.2931	.2508	.2825	-.0046	-.0046	-.0048	.0164
13546	.300	5987.6	45.82	.12	.3077	.2825	.2987	-.0023	-.0023	-.0095	.0161
13547	.300	5997.0	47.68	.20	.3146	.3059	.3104	-.0021	-.0013	-.0137	.0157
13548	.301	6029.6	-.40	-.01	-.0008	.0108	-.0018	.0002	-.0013	.0053	.0060

TEST TP	24 MACH	Q PA	RUN 114		CN	CA	CH	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
13520	.299	5979.6	-39	-.00	-.0019	.0099	-.0025	.0003	-.0012	.0025
13521	.300	5994.9	-3.84	.01	-.0148	.0108	-.0183	.0004	-.0010	.0045
13522	.300	6002.9	-1.79	.01	-.0042	.0114	-.0071	.0002	-.0010	.0058
13523	.300	6003.5	-.61	-.00	-.0011	.0115	-.0019	.0004	-.0011	.0045
13524	.301	6031.0	1.93	-.00	.0086	.0114	.0092	.0004	-.0014	.0049
13525	.301	6024.9	4.01	.00	.0179	.0111	.0193	.0004	-.0016	.0059
13526	.300	6020.2	6.10	.01	.0297	.0110	.0296	.0004	-.0016	.0059
13527	.301	6024.2	7.82	.01	.0389	.0106	.0382	.0003	-.0016	.0057
13528	.301	6025.2	9.99	.01	.0527	.0102	.0499	.0003	-.0015	.0057
13529	.300	6017.6	11.76	.01	.0655	.0098	.0595	.0003	-.0015	.0057
13530	.300	6008.2	13.90	.02	.0801	.0089	.0732	.0003	-.0013	.0052
13531	.300	6008.9	15.94	.03	.0964	.0079	.0866	.0002	-.0011	.0054
13532	.300	6021.8	17.96	.03	.1112	.0067	.0990	-.0000	-.0010	.0054
13533	.300	6017.4	19.92	.02	.1260	.0055	.1117	-.0001	-.0012	.0087
13534	.300	6014.8	21.88	.00	.1409	.0028	.1232	-.0002	-.0015	.0111
13535	.300	6010.2	23.75	.02	.1594	.0021	.1378	.0001	-.0020	.0116
13536	.299	5978.7	25.89	.01	.1813	.0004	.1537	.0001	-.0021	.0139
13537	.300	6019.2	27.93	.01	.2004	-.0019	.1657	.0015	-.0027	.0062
13538	.299	5977.0	29.85	.02	.2170	-.0041	.1789	.0013	-.0030	.0106
13539	.300	6002.4	31.88	.03	.2379	-.0065	.1938	-.0002	.0010	-.0016
13540	.300	6016.5	33.86	-.03	.2558	-.0097	.2064	-.0009	.0011	-.0044
13541	.299	5981.5	35.86	.00	.2829	-.0117	.2228	-.0011	-.0004	-.0037
13542	.300	6006.8	37.52	.04	.3038	-.0136	.2365	-.0014	-.0009	-.0029
13543	.300	6007.5	39.61	.06	.3307	-.0160	.2510	-.0011	-.0038	.0003
13544	.300	5988.7	41.47	.11	.3545	-.0180	.2649	-.0009	-.0069	-.0001
13545	.301	6035.0	43.68	.08	.3852	-.0210	.2825	-.0002	-.0065	-.0048
13546	.300	5987.6	45.82	.12	.4170	-.0238	.2987	.0001	-.0033	-.0095
13547	.300	5997.0	47.68	.20	.4380	-.0266	.3104	-.0005	-.0024	-.0137
13548	.301	6029.6	-.40	-.01	-.0009	.0108	-.0018	.0002	-.0013	.0053

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TEST TP	24 MACH	Q PA	RUN 114 ALPHA2 DEG	BETA2 DEG	CL2	CO2	CMS2	CRMS2	CYMS2	CYS2	COB2
13520	.299	5979.6	-3.39	-.01	-.0009	.0049	-.0015	.0000	.0002	.0001	.0010
13521	.300	5994.9	-3.84	-.04	-.0127	.0061	-.0181	-.0000	.0005	.0006	.0011
13522	.300	6002.9	-1.79	-.02	-.0036	.0059	-.0098	-.0000	.0007	.0012	.0010
13523	.300	6003.5	-.61	-.01	-.0008	.0058	-.0013	.0000	.0004	.0007	.0011
13524	.301	6031.0	1.93	.02	.0073	.0060	.0105	.0000	.0005	.0007	.0011
13525	.301	6024.9	4.01	.05	.0152	.0068	.0213	.0000	.0004	.0007	.0012
13526	.300	6020.2	6.10	.09	.0238	.0082	.0327	.0000	.0001	.0001	.0012
13527	.301	6024.2	7.82	.11	.0313	.0097	.0425	.0001	.0001	.0002	.0014
13528	.301	6025.2	9.98	.14	.0415	.0123	.0550	.0001	.0000	.0001	.0015
13529	.300	6017.6	11.76	.17	.0508	.0153	.0661	.0000	-.0000	.0001	.0016
13530	.300	6008.2	13.90	.20	.0622	.0198	.0802	.0001	.0000	.0002	.0016
13531	.300	6008.9	15.94	.23	.0738	.0252	.0946	.0000	-.0001	.0001	.0016
13532	.300	6021.8	17.95	.26	.0843	.0306	.1080	.0000	-.0001	.0000	.0015
13533	.300	6017.4	19.92	.28	.0948	.0369	.1216	.0001	.0001	.0008	.0015
13534	.300	6014.8	21.88	.28	.1043	.0428	.1338	.0002	.0004	.0015	.0015
13535	.300	6010.2	23.75	.32	.1164	.0511	.1492	.0003	.0005	.0018	.0014
13536	.299	5978.7	25.89	.34	.1287	.0607	.1654	.0004	.0008	.0024	.0012
13537	.300	6019.2	27.93	.36	.1362	.0675	.1777	.0001	-.0003	-.0006	.0012
13538	.299	5977.0	29.85	.39	.1447	.0760	.1908	.0002	-.0001	-.0002	.0018
13539	.300	6002.4	31.88	.42	.1533	.0870	.2059	-.0003	-.0008	-.0012	.0040
13540	.300	6016.5	33.86	.39	.1639	.0981	.2181	-.0006	-.0012	-.0021	.0054
13541	.299	5981.5	35.86	.44	.1773	.1135	.2367	-.0010	-.0015	-.0033	.0062
13542	.300	6006.8	37.51	.50	.1865	.1262	.2510	-.0011	-.0016	-.0034	.0065
13543	.300	6007.5	39.61	.54	.1959	.1423	.2676	-.0015	-.0021	-.0046	.0068
13544	.300	5988.7	41.46	.61	.2056	.1594	.2850	-.0027	-.0032	-.0074	.0067
13545	.301	6035.0	43.67	.60	.2171	.1808	.3072	-.0038	-.0041	-.0092	.0064
13546	.300	5987.6	45.82	.65	.2272	.2027	.3296	-.0054	-.0052	-.0110	.0061
13547	.300	5997.0	47.68	.75	.2320	.2190	.3448	-.0072	-.0063	-.0133	.0057
13548	.301	6029.6	-.40	-.01	-.0011	.0052	-.0019	.0000	.0001	.0003	.0011

TEST TP	24 MACH	Q PA	RUN 114 ALPHA2 DEG	BETA2 DEG	CM2	CA2	CM2	CRM2	CYM2	CY2	CDC2
13520	.299	5979.6	-3.39	-.01	-.0010	.0049	-.0015	.0000	.0002	.0001	.0003
13521	.300	5994.9	-3.84	-.04	-.0131	.0052	-.0181	.0000	.0005	.0006	.0003
13522	.300	6002.9	-1.79	-.02	-.0038	.0058	-.0098	.0000	.0007	.0012	.0003
13523	.300	6003.5	-.61	-.01	-.0009	.0058	-.0013	.0000	.0004	.0007	.0003
13524	.301	6031.0	1.93	.02	.0073	.0057	.0105	.0000	.0005	.0007	.0003
13525	.301	6024.9	4.01	.05	.0156	.0057	.0213	.0000	.0004	.0007	.0003
13526	.300	6020.2	6.10	.09	.0245	.0057	.0327	.0000	.0001	.0001	.0003
13527	.301	6024.2	7.82	.11	.0323	.0054	.0425	.0000	.0001	.0002	.0003
13528	.301	6025.2	9.98	.14	.0430	.0050	.0550	.0001	.0000	.0001	.0004
13529	.300	6017.6	11.76	.17	.0528	.0047	.0661	.0001	-.0000	.0001	.0004
13530	.300	6008.2	13.90	.20	.0652	.0042	.0802	.0001	.0000	.0002	.0004
13531	.300	6008.9	15.94	.23	.0779	.0040	.0946	.0001	-.0000	.0001	.0004
13532	.300	6021.8	17.95	.26	.0896	.0031	.1080	.0001	-.0001	.0000	.0004
13533	.300	6017.4	19.92	.28	.1017	.0024	.1216	.0001	.0001	.0008	.0003
13534	.300	6014.8	21.88	.28	.1127	.0008	.1338	.0001	.0005	.0015	.0003
13535	.300	6010.2	23.75	.32	.1271	-.0001	.1492	.0001	.0006	.0018	.0003
13536	.299	5978.7	25.89	.34	.1423	-.0016	.1654	.0000	.0009	.0024	.0003
13537	.300	6019.2	27.93	.36	.1520	-.0041	.1777	.0002	-.0002	-.0006	.0003
13538	.299	5977.0	29.85	.39	.1633	-.0061	.1908	.0002	.0000	-.0002	.0004
13539	.300	6002.4	31.88	.42	.1778	-.0081	.2059	.0002	-.0008	-.0012	.0010
13540	.300	6016.5	33.86	.39	.1907	-.0099	.2181	.0001	-.0013	-.0021	.0013
13541	.299	5981.5	35.86	.44	.2102	-.0119	.2367	.0001	-.0018	-.0033	.0015
13542	.300	6006.8	37.51	.50	.2248	-.0134	.2510	.0001	-.0019	-.0034	.0016
13543	.300	6007.5	39.61	.54	.2416	-.0152	.2676	.0002	-.0026	-.0046	.0017
13544	.300	5988.7	41.46	.61	.2596	-.0167	.2850	.0001	-.0042	-.0074	.0017
13545	.301	6035.0	43.67	.60	.2819	-.0191	.3072	.0000	-.0056	-.0092	.0016
13546	.300	5987.6	45.82	.65	.3037	-.0216	.3296	-.0001	-.0075	-.0110	.0015
13547	.300	5997.0	47.68	.75	.3182	-.0241	.3448	-.0002	-.0096	-.0133	.0014
13548	.301	6029.6	-.40	-.01	-.0011	.0052	-.0019	.0000	.0001	.0003	.0003

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TEST 24		RUN 115									
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
13562	.300	6027.9	-4.1	-0.00	-0.0167	.0170	-.0007	.0007	-.0013	-.0032	.0056
13563	.300	6016.1	-4.10	-0.04	-.2161	.0314	.0037	.0002	-.0016	-.0012	.0057
13564	.300	6020.3	-1.83	-0.01	-.0783	.0197	.0012	.0002	-.0011	-.0019	.0057
13565	.300	6026.6	-.62	-0.00	-.0088	.0173	-.0004	.0001	-.0015	-.0017	.0057
13566	.300	6016.3	1.94	.02	.1202	.0194	-.0046	.0004	-.0011	-.0037	.0056
13567	.300	5994.3	3.95	.04	.2407	.0292	-.0065	.0000	-.0016	-.0045	.0058
13568	.299	5989.6	5.97	.03	.3470	.0453	-.0075	.0007	-.0012	-.0041	.0060
13569	.300	6008.6	7.93	-0.00	.4935	.0762	-.0074	.0008	-.0011	-.0034	.0064
13570	.301	6031.7	9.85	.02	.6090	.1115	-.0062	.0017	-.0015	-.0049	.0068
13571	.300	6014.1	11.93	.03	.7474	.1614	-.0058	.0014	-.0015	-.0057	.0069
13572	.301	6035.4	13.79	.03	.8875	.2183	-.0075	.0018	-.0018	-.0072	.0072
13573	.300	6001.8	15.77	.05	1.0509	.2935	-.0151	.0007	-.0011	-.0099	.0077
13574	.301	6049.2	17.97	.03	1.1862	.3763	-.0140	.0035	-.0030	-.0089	.0077
13575	.299	5982.2	19.77	.04	1.2917	.4541	-.0002	.0008	-.0014	-.0121	.0080
13576	.300	6005.0	21.78	.05	1.3571	.5293	.0247	-.0006	-.0002	-.0138	.0083
13577	.300	5993.8	23.86	.03	1.3749	.5929	.0585	-.0008	.0002	-.0137	.0084
13578	.298	5950.7	25.65	.02	1.4003	.6626	.0653	.0007	-.0020	-.0108	.0085
13579	.299	5964.1	27.66	.04	1.4524	.7486	.0776	.0000	.0008	-.0155	.0090
13580	.300	6013.7	29.74	.01	1.4603	.8198	.0883	.0009	.0007	-.0169	.0097
13581	.300	6015.8	31.58	.01	1.4662	.8887	.0997	.0001	.0024	-.0191	.0106
13582	.300	6012.2	33.88	.01	1.4727	.9732	.1093	.0004	.0047	-.0210	.0115
13583	.301	6043.6	35.58	-.02	1.4692	1.0350	.1167	.0008	.0037	-.0214	.0130
13584	.301	6053.0	37.72	.04	1.4659	1.1156	.1261	.0014	.0030	-.0212	.0145
13585	.299	5968.8	39.79	.08	1.4508	1.1875	.1330	.0011	.0017	-.0205	.0154
13586	.300	6018.5	41.71	.16	1.4388	1.2583	.1460	-.0003	-.0031	-.0168	.0170
13587	.300	5993.4	43.83	.43	1.4196	1.3355	.1615	-.0014	-.0033	-.0215	.0184
13588	.300	6011.5	45.52	.27	1.3900	1.3842	.1738	-.0034	-.0063	-.0169	.0195
13589	.299	5979.4	47.66	.36	1.3487	1.4436	.1910	-.0072	-.0088	-.0035	.0209
13590	.300	6016.6	-.43	-.01	-.0159	.0169	-.0002	.0003	-.0012	.0003	.0057

TEST 24		RUN 115									
TP	MACH	Q PA	ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY	
13562	.300	6027.9	-4.1	-0.00	-.0168	.0168	-.0007	.0007	-.0013	-.0032	
13563	.300	6016.1	-4.10	-0.04	-.2177	.0159	.0037	.0001	-.0016	-.0012	
13564	.300	6020.3	-1.83	-0.01	-.0789	.0172	.0012	.0002	-.0011	-.0019	
13565	.300	6026.6	-.62	-0.00	-.0090	.0172	-.0004	.0001	-.0015	-.0017	
13566	.300	6016.3	1.94	.02	.1208	.0153	-.0046	.0005	-.0011	-.0037	
13567	.300	5994.3	3.95	.04	.2422	.0125	-.0065	.0001	-.0016	-.0045	
13568	.299	5989.6	5.97	.03	.3498	.0090	-.0075	.0008	-.0011	-.0041	
13569	.300	6008.6	7.93	-0.00	.4993	.0074	-.0074	.0010	-.0010	-.0034	
13570	.301	6031.7	9.85	.02	.6191	.0057	-.0062	.0019	-.0012	-.0049	
13571	.300	6014.1	11.93	.03	.7646	.0034	-.0058	.0017	-.0012	-.0057	
13572	.301	6035.4	13.79	.03	.9139	.0005	-.0075	.0022	-.0013	-.0072	
13573	.300	6001.8	15.77	.05	1.0911	-.0031	-.0151	.0010	-.0009	-.0099	
13574	.301	6049.2	17.97	.03	1.2444	-.0080	-.0140	.0042	-.0018	-.0089	
13575	.299	5982.2	19.77	.04	1.3691	-.0096	-.0002	.0012	-.0010	-.0121	
13576	.300	6005.0	21.78	.05	1.4566	-.0119	.0247	-.0005	-.0005	-.0138	
13577	.300	5993.8	23.86	.03	1.4972	-.0139	.0585	-.0008	-.0002	-.0137	
13578	.298	5950.7	25.65	.02	1.5491	-.0088	.0653	.0015	-.0015	-.0108	
13579	.299	5964.1	27.66	.04	1.6340	-.0110	.0776	-.0003	.0007	-.0155	
13580	.300	6013.7	29.74	.01	1.6746	-.0127	.0883	.0005	.0011	-.0169	
13581	.300	6015.8	31.58	.01	1.7145	-.0107	.0997	-.0011	.0021	-.0191	
13582	.300	6012.2	33.88	.01	1.7652	-.0128	.1093	-.0023	.0041	-.0210	
13583	.301	6043.6	35.58	-.02	1.7971	-.0131	.1167	-.0015	.0035	-.0214	
13584	.301	6053.0	37.72	.04	1.8420	-.0142	.1261	-.0007	.0033	-.0212	
13585	.299	5968.8	39.79	.08	1.8747	-.0160	.1330	-.0003	.0020	-.0205	
13586	.300	6018.5	41.71	.16	1.9113	-.0178	.1460	.0018	-.0025	-.0168	
13587	.300	5993.4	43.83	.43	1.9490	-.0196	.1615	.0013	-.0033	-.0215	
13588	.300	6011.5	45.52	.27	1.9615	-.0219	.1738	.0021	-.0068	-.0169	
13589	.299	5979.4	47.66	.36	1.9754	-.0247	.1910	.0017	-.0113	-.0035	
13590	.300	6016.6	-.43	-.01	-.0160	.0168	-.0002	.0003	-.0012	.0003	

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TEST 24		RUN 115									
TP	MACH	Q PA	ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
13562	.300	6027.9	-4.41	-.01	-.0018	.0050	-.0023	.0001	-.0004	-.0011	.0010
13563	.300	6016.1	-4.10	-.09	-.0395	.0080	-.0378	.0001	-.0003	-.0010	.0004
13564	.300	6020.3	-1.83	-.04	-.0124	.0061	-.0128	.0001	-.0003	-.0010	.0008
13565	.300	6026.6	-.62	-.01	-.0007	.0059	-.0012	.0000	-.0004	-.0011	.0010
13566	.300	6016.3	1.94	.04	.0221	.0068	.0207	.0001	-.0005	-.0012	.0014
13567	.300	5994.3	3.95	.09	.0469	.0095	.0432	.0001	-.0006	-.0016	.0022
13568	.299	5989.6	5.97	.11	.0698	.0128	.0640	.0001	-.0003	-.0011	.0032
13569	.300	6008.6	7.93	.10	.1029	.0200	.0942	.0002	-.0001	-.0004	.0047
13570	.301	6031.7	9.85	.15	.1307	.0281	.1194	.0002	-.0003	-.0008	.0064
13571	.300	6014.1	11.93	.18	.1650	.0399	.1512	.0001	-.0004	-.0010	.0082
13572	.301	6035.4	13.78	.21	.1975	.0531	.1815	.0001	-.0005	-.0012	.0101
13573	.300	6001.8	15.77	.25	.2325	.0701	.2142	-.0001	-.0007	-.0015	.0124
13574	.301	6049.2	17.97	.26	.2659	.0893	.2469	.0001	-.0005	-.0014	.0148
13575	.299	5982.2	19.77	.29	.3015	.1112	.2821	-.0001	-.0008	-.0018	.0173
13576	.300	6005.0	21.77	.32	.3327	.1344	.3154	-.0001	-.0008	-.0019	.0191
13577	.300	5993.8	23.86	.33	.3574	.1580	.3442	-.0002	-.0008	-.0019	.0204
13578	.298	5950.7	25.65	.34	.3824	.1826	.3756	-.0001	-.0007	-.0016	.0214
13579	.299	5964.1	27.65	.38	.4054	.2096	.4067	-.0003	-.0007	-.0016	.0229
13580	.300	6013.7	29.74	.38	.4164	.2322	.4295	-.0004	-.0007	-.0017	.0235
13581	.300	6015.8	31.58	.40	.4287	.2550	.4572	-.0008	-.0015	-.0038	.0240
13582	.300	6012.2	33.87	.43	.4373	.2818	.4818	-.0008	-.0015	-.0039	.0269
13583	.301	6043.6	35.58	.42	.4438	.3031	.5018	-.0011	-.0017	-.0048	.0290
13584	.301	6053.0	37.71	.50	.4511	.3311	.5262	-.0010	-.0015	-.0043	.0298
13585	.299	5968.8	39.79	.56	.4530	.3564	.5441	-.0015	-.0020	-.0054	.0297
13586	.300	6018.5	41.70	.66	.4589	.3831	.5678	-.0020	-.0024	-.0063	.0299
13587	.300	5993.4	43.82	.95	.4632	.4127	.5938	-.0036	-.0038	-.0092	.0308
13588	.300	6011.5	45.52	.80	.4628	.4337	.6113	-.0042	-.0040	-.0091	.0308
13589	.299	5979.4	47.66	.91	.4610	.4608	.6359	-.0047	-.0035	-.0064	.0291
13590	.300	6016.6	-.43	-.01	-.0028	.0055	-.0033	.0001	-.0003	-.0008	.0010

TEST 24		RUN 115									
TP	MACH	Q PA	ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
13562	.300	6027.9	-4.41	-.01	-.0018	.0050	-.0023	.0001	-.0004	-.0011	.0002
13563	.300	6016.1	-4.10	-.09	-.0400	.0052	-.0378	.0001	-.0004	-.0010	.0001
13564	.300	6020.3	-1.83	-.04	-.0126	.0057	-.0128	.0001	-.0003	-.0010	.0002
13565	.300	6026.6	-.62	-.01	-.0008	.0059	-.0012	.0000	-.0004	-.0011	.0003
13566	.300	6016.3	1.94	.04	.0224	.0061	.0207	.0001	-.0005	-.0012	.0003
13567	.300	5994.3	3.95	.09	.0474	.0063	.0432	.0001	-.0006	-.0016	.0005
13568	.299	5989.6	5.97	.11	.0707	.0055	.0640	.0001	-.0003	-.0011	.0008
13569	.300	6008.6	7.93	.10	.1047	.0056	.0942	.0002	-.0001	-.0004	.0012
13570	.301	6031.7	9.85	.15	.1336	.0054	.1194	.0002	-.0002	-.0008	.0016
13571	.300	6014.1	11.93	.18	.1697	.0050	.1512	.0002	-.0004	-.0010	.0021
13572	.301	6035.4	13.78	.21	.2045	.0045	.1815	.0002	-.0005	-.0012	.0026
13573	.300	6001.8	15.77	.25	.2428	.0043	.2142	.0001	-.0007	-.0015	.0032
13574	.301	6049.2	17.97	.26	.2805	.0029	.2469	.0002	-.0005	-.0014	.0038
13575	.299	5982.2	19.77	.29	.3213	.0027	.2821	.0002	-.0008	-.0018	.0044
13576	.300	6005.0	21.77	.32	.3588	.0014	.3154	.0002	-.0008	-.0019	.0049
13577	.300	5993.8	23.86	.33	.3908	-.0001	.3442	.0001	-.0008	-.0019	.0052
13578	.298	5950.7	25.65	.34	.4238	-.0009	.3756	.0002	-.0006	-.0016	.0055
13579	.299	5964.1	27.65	.38	.4563	-.0025	.4067	.0001	-.0007	-.0016	.0059
13580	.300	6013.7	29.74	.38	.4767	-.0050	.4295	.0000	-.0008	-.0017	.0060
13581	.300	6015.8	31.58	.40	.4988	-.0073	.4572	.0001	-.0017	-.0038	.0062
13582	.300	6012.2	33.87	.43	.5202	-.0097	.4818	.0002	-.0017	-.0039	.0069
13583	.301	6043.6	35.58	.42	.5373	-.0117	.5018	.0001	-.0020	-.0048	.0075
13584	.301	6053.0	37.71	.50	.5594	-.0140	.5262	.0001	-.0018	-.0043	.0077
13585	.299	5968.8	39.79	.56	.5762	-.0161	.5441	.0001	-.0025	-.0054	.0076
13586	.300	6018.5	41.70	.66	.5975	-.0193	.5678	.0001	-.0032	-.0063	.0077
13587	.300	5993.4	43.82	.95	.6200	-.0230	.5938	.0000	-.0053	-.0092	.0079
13588	.300	6011.5	45.52	.80	.6337	-.0263	.6113	-.0002	-.0058	-.0091	.0079
13589	.299	5979.4	47.66	.91	.6511	-.0304	.6359	-.0006	-.0058	-.0064	.0075
13590	.300	6016.6	-.43	-.01	-.0028	.0054	-.0033	.0001	-.0003	-.0008	.0002



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TEST TP	24 MACH	O PA	RUN 117		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
13628	.300	6018.7	-4.1	-0.00	-.0028	.0119	-.0038	.0006	-.0014	.0003	.0060
13629	.299	5966.5	-4.11	-0.02	-.0323	.0155	-.0323	.0007	-.0013	.0012	.0060
13630	.300	6003.1	-2.11	-0.01	-.0108	.0140	-.0130	.0006	-.0013	.0008	.0060
13631	.300	6021.5	-.61	-0.00	-.0013	.0132	-.0019	.0006	-.0015	.0013	.0059
13632	.300	6025.4	1.81	.01	.0151	.0131	.0141	.0006	-.0015	.0013	.0062
13633	.300	6003.8	3.97	.02	.0352	.0146	.0330	.0005	-.0016	.0007	.0066
13634	.300	6020.2	5.93	-0.00	.0562	.0174	.0506	.0005	-.0017	.0032	.0068
13635	.300	6023.4	7.93	-0.00	.0787	.0220	.0695	.0004	-.0019	.0032	.0073
13636	.300	6008.8	9.69	-0.01	.0948	.0259	.0846	.0004	-.0017	.0028	.0076
13637	.301	6034.7	11.78	-0.03	.1189	.0335	.1067	.0003	-.0017	.0037	.0082
13638	.300	6028.4	13.94	.01	.1484	.0453	.1345	.0002	-.0019	.0024	.0088
13639	.300	6011.8	15.92	.03	.1742	.0569	.1578	-.0000	-.0018	.0020	.0098
13640	.300	6003.4	17.82	.00	.1950	.0676	.1769	-.0001	-.0012	.0024	.0105
13641	.300	6020.5	19.67	.03	.2244	.0844	.2052	-.0002	-.0011	.0014	.0114
13642	.300	6009.0	22.00	.05	.2544	.1047	.2365	-.0004	-.0010	.0012	.0120
13643	.300	5996.0	23.68	.07	.2737	.1205	.2590	-.0006	-.0012	.0015	.0123
13644	.301	6032.3	25.87	-0.00	.2959	.1408	.2834	-.0008	-.0014	.0027	.0130
13645	.300	6017.6	27.64	.07	.3102	.1589	.3034	-.0010	-.0020	.0043	.0136
13646	.300	6012.8	29.73	.05	.3309	.1835	.3274	-.0011	-.0026	.0049	.0142
13647	.299	5984.7	31.79	.06	.3554	.2119	.3536	-.0012	-.0027	.0010	.0148
13648	.300	6028.1	33.67	.05	.3720	.2368	.3767	-.0017	-.0023	.0010	.0155
13649	.300	6016.0	35.74	.03	.3860	.2637	.3980	-.0020	-.0025	.0026	.0158
13650	.301	6034.5	37.53	.00	.3968	.2873	.4166	-.0021	-.0030	.0039	.0157
13651	.300	5996.5	39.78	.01	.4170	.3260	.4468	-.0027	-.0037	.0036	.0160
13652	.300	6023.5	41.64	.02	.4299	.3567	.4682	-.0040	-.0048	.0022	.0161
13653	.300	6007.2	43.69	.01	.4439	.3940	.4927	-.0055	-.0063	.0011	.0162
13654	.300	6020.4	45.47	-0.04	.4488	.4211	.5092	-.0060	-.0066	.0001	.0160
13655	.300	6022.8	47.58	-0.21	.4565	.4581	.5322	-.0073	-.0068	-.0007	.0160
13656	.301	6041.5	-.40	-0.00	-.0011	.0123	-.0030	.0006	-.0014	.0049	.0060

TEST TP	24 MACH	O PA	RUN 117		CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
13628	.300	6018.7	-4.1	-0.00	-.0028	.0119	-.0038	.0006	-.0014	.0003
13629	.299	5966.5	-4.11	-0.02	-.0323	.0131	-.0323	.0006	-.0013	.0012
13630	.300	6003.1	-2.11	-0.01	-.0113	.0136	-.0130	.0006	-.0013	.0008
13631	.300	6021.5	-.61	-0.00	-.0015	.0132	-.0019	.0006	-.0015	.0013
13632	.300	6025.4	1.81	.01	.0155	.0126	.0141	.0006	-.0015	.0013
13633	.300	6003.8	3.97	.02	.0361	.0121	.0330	.0006	-.0016	.0007
13634	.300	6020.2	5.93	-0.00	.0577	.0115	.0506	.0006	-.0017	.0032
13635	.300	6023.4	7.93	-0.00	.0810	.0110	.0695	.0007	-.0018	.0032
13636	.300	6008.8	9.69	-0.01	.0978	.0096	.0846	.0007	-.0016	.0028
13637	.301	6034.7	11.78	-0.03	.1233	.0086	.1067	.0006	-.0016	.0037
13638	.300	6028.4	13.94	.01	.1550	.0082	.1345	.0006	-.0018	.0024
13639	.300	6011.8	15.92	.03	.1832	.0070	.1578	.0005	-.0017	.0020
13640	.300	6003.4	17.82	.00	.2063	.0047	.1769	.0003	-.0012	.0024
13641	.300	6020.5	19.67	.03	.2397	.0040	.2052	.0001	-.0011	.0014
13642	.300	6009.0	22.00	.05	.2751	.0018	.2365	-.0000	-.0011	.0012
13643	.300	5996.0	23.68	.07	.2991	.0004	.2590	-.0001	-.0013	.0015
13644	.301	6032.3	25.87	-0.00	.3277	-.0024	.2834	-.0001	-.0016	.0027
13645	.300	6017.6	27.64	.07	.3485	-.0031	.3034	.0000	-.0022	.0043
13646	.300	6012.8	29.73	.05	.3783	-.0048	.3274	.0004	-.0028	.0049
13647	.299	5984.7	31.79	.06	.4137	-.0071	.3536	.0004	-.0029	.0010
13648	.300	6028.1	33.67	.05	.4409	-.0091	.3767	-.0002	-.0029	.0010
13649	.300	6016.0	35.74	.03	.4674	-.0114	.3980	-.0001	-.0032	.0026
13650	.301	6034.5	37.53	.00	.4897	-.0139	.4166	.0001	-.0037	.0039
13651	.300	5996.5	39.78	.01	.5291	-.0163	.4468	.0003	-.0046	.0036
13652	.300	6023.5	41.64	.02	.5583	-.0191	.4682	.0002	-.0062	.0022
13653	.300	6007.2	43.69	.01	.5932	-.0218	.4927	.0003	-.0084	.0011
13654	.300	6020.4	45.47	-0.04	.6149	-.0247	.5092	.0005	-.0089	.0001
13655	.300	6022.8	47.58	-0.21	.6461	-.0280	.5322	.0001	-.0100	-.0007
13656	.301	6041.5	-.40	-0.00	-.0012	.0123	-.0030	.0006	-.0014	.0049

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 117			CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG								
13628	.300	6018.7	-4.41	-.01	-.0028	.0061	-.0033	.0001	-.0000	-.0004	.0013	
13629	.299	5966.5	-4.11	-.07	-.0293	.0083	-.0319	.0001	.0002	-.0002	.0012	
13630	.300	6003.1	-2.11	-.04	-.0103	.0073	-.0118	.0001	.0000	-.0003	.0012	
13631	.300	6021.5	-.61	-.01	-.0010	.0069	-.0013	.0001	.0001	-.0002	.0013	
13632	.300	6025.4	1.81	.03	.0133	.0072	.0150	.0001	-.0001	-.0005	.0013	
13633	.300	6003.8	3.97	.08	.0323	.0089	.0352	.0001	-.0001	-.0004	.0013	
13634	.300	6020.2	5.93	.07	.0497	.0114	.0538	.0002	.0004	.0004	.0014	
13635	.300	6023.4	7.93	.10	.0689	.0155	.0740	.0002	.0002	.0002	.0017	
13636	.300	6008.8	9.69	.12	.0830	.0190	.0889	.0003	.0002	.0001	.0018	
13637	.301	6034.7	11.78	.12	.1043	.0257	.1119	.0003	.0003	.0003	.0020	
13638	.300	6028.4	13.94	.19	.1304	.0359	.1405	.0002	-.0001	-.0003	.0021	
13639	.300	6011.8	15.92	.23	.1516	.0458	.1643	.0002	-.0004	-.0009	.0024	
13640	.300	6003.4	17.82	.23	.1686	.0552	.1841	.0002	-.0001	-.0003	.0027	
13641	.300	6020.5	19.67	.28	.1942	.0697	.2128	.0001	-.0005	-.0010	.0031	
13642	.300	6009.0	22.00	.33	.2205	.0875	.2433	.0000	-.0005	-.0010	.0036	
13643	.300	5996.0	23.68	.37	.2388	.1018	.2657	-.0000	-.0005	-.0011	.0039	
13644	.301	6032.3	25.87	.32	.2580	.1201	.2901	.0000	-.0003	-.0007	.0041	
13645	.300	6017.6	27.63	.42	.2664	.1329	.3098	.0000	-.0003	-.0008	.0037	
13646	.300	6012.8	29.72	.42	.2805	.1524	.3332	.0000	-.0004	-.0009	.0047	
13647	.299	5984.7	31.79	.45	.2979	.1757	.3597	-.0004	-.0010	-.0024	.0043	
13648	.300	6028.1	33.67	.47	.3110	.1969	.3819	-.0005	-.0010	-.0023	.0040	
13649	.300	6016.0	35.73	.47	.3218	.2194	.4043	-.0005	-.0011	-.0023	.0036	
13650	.301	6034.5	37.52	.46	.3308	.2388	.4226	-.0003	-.0008	-.0018	.0043	
13651	.300	5996.5	39.78	.49	.3478	.2687	.4546	-.0008	-.0014	-.0030	.0069	
13652	.300	6023.5	41.64	.51	.3563	.2922	.4775	-.0016	-.0022	-.0051	.0069	
13653	.300	6007.2	43.69	.52	.3660	.3212	.5059	-.0029	-.0033	-.0077	.0064	
13654	.300	6020.4	45.47	.49	.3695	.3432	.5251	-.0034	-.0035	-.0079	.0057	
13655	.300	6022.8	47.58	.34	.3741	.3721	.5526	-.0047	-.0044	-.0091	.0046	
13656	.301	6041.5	-.40	-.01	-.0028	.0066	-.0032	.0001	.0005	.0007	.0013	
TEST TP	24 MACH	Q PA	RUN 117			CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG								
13628	.300	6018.7	-4.41	-.01	-.0029	.0061	-.0033	.0001	-.0000	-.0004	.0003	
13629	.299	5966.5	-4.11	-.07	-.0298	.0061	-.0319	.0001	.0002	-.0002	.0003	
13630	.300	6003.1	-2.11	-.04	-.0106	.0069	-.0118	.0001	.0000	-.0003	.0003	
13631	.300	6021.5	-.61	-.01	-.0011	.0069	-.0013	.0001	.0001	-.0002	.0003	
13632	.300	6025.4	1.81	.03	.0135	.0068	.0150	.0001	-.0001	-.0005	.0003	
13633	.300	6003.8	3.97	.08	.0329	.0066	.0352	.0002	-.0001	-.0004	.0003	
13634	.300	6020.2	5.93	.07	.0506	.0062	.0538	.0002	.0004	.0004	.0004	
13635	.300	6023.4	7.93	.10	.0704	.0058	.0740	.0002	.0003	.0002	.0004	
13636	.300	6008.8	9.69	.12	.0850	.0047	.0889	.0002	.0002	.0001	.0005	
13637	.301	6034.7	11.78	.12	.1073	.0039	.1119	.0002	.0003	.0003	.0005	
13638	.300	6028.4	13.94	.19	.1352	.0034	.1405	.0003	-.0000	-.0003	.0005	
13639	.300	6011.8	15.92	.23	.1583	.0025	.1643	.0003	-.0003	-.0009	.0006	
13640	.300	6003.4	17.82	.23	.1774	.0009	.1841	.0003	-.0000	-.0003	.0007	
13641	.300	6020.5	19.67	.28	.2063	.0003	.2128	.0002	-.0005	-.0010	.0008	
13642	.300	6009.0	22.00	.33	.2372	-.0015	.2433	.0002	-.0004	-.0010	.0009	
13643	.300	5996.0	23.68	.37	.2596	-.0027	.2657	.0002	-.0005	-.0011	.0009	
13644	.301	6032.3	25.87	.32	.2846	-.0045	.2901	.0002	-.0003	-.0007	.0010	
13645	.300	6017.6	27.63	.42	.2977	-.0058	.3098	.0002	-.0003	-.0008	.0009	
13646	.300	6012.8	29.72	.42	.3192	-.0067	.3332	.0002	-.0003	-.0009	.0011	
13647	.299	5984.7	31.79	.45	.3458	-.0075	.3597	.0002	-.0011	-.0024	.0010	
13648	.300	6028.1	33.67	.47	.3680	-.0085	.3819	.0002	-.0011	-.0023	.0009	
13649	.300	6016.0	35.73	.47	.3893	-.0099	.4043	.0002	-.0011	-.0023	.0008	
13650	.301	6034.5	37.52	.46	.4078	-.0122	.4226	.0002	-.0008	-.0018	.0010	
13651	.300	5996.5	39.78	.49	.4392	-.0161	.4546	.0003	-.0016	-.0030	.0017	
13652	.300	6023.5	41.64	.51	.4604	-.0184	.4775	.0003	-.0028	-.0051	.0017	
13653	.300	6007.2	43.69	.52	.4865	-.0205	.5059	.0002	-.0044	-.0077	.0015	
13654	.300	6020.4	45.47	.49	.5038	-.0227	.5251	.0001	-.0049	-.0079	.0014	
13655	.300	6022.8	47.58	.34	.5270	-.0251	.5526	.0001	-.0064	-.0091	.0011	
13656	.301	6041.5	-.40	-.01	-.0029	.0066	-.0032	.0001	.0005	.0007	.0003	

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 118		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
13668	.300	6002.6	-4.42	-0.00	-0.0140	.0161	.0006	.0002	-.0016	.0056	.0056
13669	.301	6027.5	-4.11	-0.01	-0.1870	.0299	.0152	.0004	-.0017	.0088	.0057
13670	.301	6034.4	-1.96	-0.00	-0.0728	.0202	.0048	.0005	-.0017	.0077	.0057
13671	.301	6030.4	-.62	-0.01	-0.0022	.0174	-.0005	.0005	-.0016	.0066	.0057
13672	.300	6019.4	1.85	.00	.1178	.0194	-.0107	.0005	-.0016	.0057	.0056
13673	.300	5999.4	3.80	.00	.2059	.0254	-.0182	.0001	-.0019	.0054	.0058
13674	.301	6028.7	5.88	.01	.3488	.0455	-.0306	.0009	-.0017	.0037	.0061
13675	.300	6002.4	7.99	.01	.4690	.0733	-.0393	.0008	-.0019	.0036	.0066
13676	.300	5995.6	9.98	.02	.5874	.1085	-.0486	.0012	-.0018	.0026	.0069
13677	.300	6002.9	11.93	.00	.6897	.1475	-.0574	.0013	-.0018	.0024	.0071
13678	.300	6025.7	13.93	.03	.7909	.1982	-.0585	.0001	-.0017	.0012	.0075
13679	.300	6008.2	15.97	-.02	.8367	.2454	-.0628	.0004	-.0016	.0021	.0073
13680	.300	6011.6	17.97	-.05	.8868	.2948	-.0752	.0004	-.0011	.0019	.0074
13681	.300	6008.4	19.79	.00	.9369	.3484	-.0869	.0001	-.0015	.0002	.0076
13682	.300	6019.0	21.62	-.03	.9558	.3898	-.0915	.0001	-.0001	-.0004	.0079
13683	.300	5998.0	23.62	-.03	.9528	.4300	-.0913	-.0002	.0013	-.0011	.0091
13684	.300	6007.9	25.70	-.00	.9852	.4870	-.0920	.0006	.0033	-.0019	.0103
13685	.300	6008.3	27.63	-.02	1.0247	.5474	-.0951	.0014	.0021	-.0014	.0111
13686	.301	6031.7	29.75	.01	1.0746	.6225	-.1000	.0014	.0024	-.0048	.0119
13687	.301	6044.9	31.67	.02	1.1129	.6912	-.1011	.0007	.0009	-.0147	.0128
13688	.301	6045.0	33.72	.04	1.1505	.7686	-.1029	.0016	.0068	-.0142	.0138
13689	.299	5985.8	35.93	.03	1.1799	.8516	-.1047	.0020	.0025	-.0117	.0149
13690	.300	6000.1	37.78	.03	1.1894	.9139	-.1033	.0021	.0020	-.0115	.0160
13691	.300	6002.9	39.79	.03	1.1983	.9870	-.0953	.0022	.0045	-.0177	.0182
13692	.299	5988.6	41.62	.11	1.1947	1.0475	-.0887	.0014	.0030	-.0241	.0199
13693	.301	6053.4	43.67	.14	1.1787	1.1071	-.0800	-.0016	-.0018	-.0274	.0210
13694	.300	6018.7	45.60	.13	1.1679	1.1709	-.0682	-.0067	-.0063	-.0307	.0224
13695	.299	5961.8	47.64	.07	1.1495	1.2334	-.0555	-.0135	-.0117	-.0365	.0233
13696	.300	5999.4	-.44	-.01	-.0119	.0178	.0001	-.0000	-.0019	.0094	.0057

TEST TP	24 MACH	Q PA	RUN 118		CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
13668	.300	6002.6	-4.42	-0.00	-0.0142	.0160	.0006	.0002	-.0016	.0056
13669	.301	6027.5	-4.11	-0.01	-0.1886	.0164	.0152	.0003	-.0017	.0088
13670	.301	6034.4	-1.96	-0.00	-0.0734	.0177	.0048	.0004	-.0017	.0077
13671	.301	6030.4	-.62	-0.01	-0.0024	.0174	-.0005	.0005	-.0016	.0066
13672	.300	6019.4	1.85	.00	.1183	.0156	-.0107	.0005	-.0016	.0057
13673	.300	5999.4	3.80	.00	.2071	.0117	-.0182	.0003	-.0018	.0054
13674	.301	6028.7	5.88	.01	.3517	.0095	-.0306	.0011	-.0016	.0037
13675	.300	6002.4	7.99	.01	.4747	.0074	-.0393	.0011	-.0018	.0036
13676	.300	5995.6	9.98	.02	.5973	.0051	-.0486	.0015	-.0016	.0026
13677	.300	6002.9	11.93	.00	.7053	.0018	-.0574	.0016	-.0015	.0024
13678	.300	6025.7	13.93	.03	.8153	.0020	-.0585	.0005	-.0016	.0012
13679	.300	6008.2	15.97	-.02	.8719	.0058	-.0628	.0009	-.0014	.0021
13680	.300	6011.6	17.97	-.05	.9344	.0068	-.0752	.0008	-.0009	.0019
13681	.300	6008.4	19.79	.00	.9995	.0106	-.0869	.0006	-.0013	.0002
13682	.300	6019.0	21.62	-.03	1.0322	.0102	-.0915	.0001	-.0000	-.0004
13683	.300	5998.0	23.62	-.03	1.0452	.0122	-.0913	-.0007	.0011	-.0011
13684	.300	6007.9	25.70	-.00	1.0989	.0116	-.0920	-.0009	.0033	-.0019
13685	.300	6008.3	27.63	-.02	1.1617	.0093	-.0951	.0002	.0025	-.0014
13686	.301	6031.7	29.75	.01	1.2419	.0071	-.1000	.0000	.0028	-.0048
13687	.301	6044.9	31.67	.02	1.3101	.0039	-.1011	-.0041	.0079	-.0147
13688	.301	6045.0	33.72	.04	1.3836	.0007	-.1029	-.0025	.0066	-.0142
13689	.299	5985.8	35.93	.03	1.4551	-.0029	-.1047	.0002	.0032	-.0117
13690	.300	6000.1	37.78	.03	1.5000	-.0063	-.1033	.0004	.0028	-.0115
13691	.300	6002.9	39.79	.03	1.5524	-.0083	-.0953	-.0012	.0049	-.0177
13692	.299	5988.6	41.62	.11	1.5889	-.0105	-.0887	-.0009	.0032	-.0241
13693	.301	6053.4	43.67	.14	1.6171	-.0132	-.0800	.0001	-.0025	-.0274
13694	.300	6018.7	45.60	.13	1.6537	-.0151	-.0682	-.0002	-.0092	-.0307
13695	.299	5961.8	47.64	.07	1.6859	-.0183	-.0555	-.0005	-.0178	-.0365
13696	.300	5999.4	-.44	-.01	-.0120	.0177	.0001	-.0000	-.0019	.0094

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TEST TP	24 MACH	Q PA	RUN 118 ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
13668	.300	6002.6	-42	-.01	-.0007	.0046	-.0014	-.0000	.0006	.0010	.0006
13669	.301	6027.5	-4.11	-.06	-.0173	.0066	-.0210	-.0000	.0008	.0014	.0007
13670	.301	6034.4	-1.96	-.03	-.0061	.0057	-.0082	-.0000	.0008	.0014	.0006
13671	.301	6030.4	-.62	-.01	.0001	.0055	-.0005	.0000	.0005	.0009	.0007
13672	.300	6019.4	1.85	.02	.0119	.0060	.0134	.0000	.0005	.0008	.0012
13673	.300	5999.4	3.80	.05	.0208	.0063	.0231	.0001	.0006	.0010	.0016
13674	.301	6028.7	5.88	.08	.0372	.0094	.0406	.0001	.0006	.0008	.0028
13675	.300	6002.4	7.99	.11	.0527	.0130	.0563	.0001	.0006	.0009	.0041
13676	.300	5995.6	9.98	.14	.0686	.0177	.0723	.0001	.0005	.0007	.0056
13677	.300	6002.9	11.93	.16	.0825	.0225	.0864	.0002	.0008	.0014	.0070
13678	.300	6025.7	13.93	.21	.1015	.0308	.1061	.0002	.0004	.0008	.0090
13679	.300	6008.2	15.96	.19	.1198	.0387	.1221	.0002	.0005	.0008	.0098
13680	.300	6011.6	17.97	.18	.1269	.0457	.1353	.0003	.0008	.0014	.0101
13681	.300	6008.4	19.79	.26	.1409	.0550	.1520	.0002	.0003	.0005	.0104
13682	.300	6019.0	21.62	.24	.1493	.0619	.1630	.0003	.0005	.0012	.0107
13683	.300	5998.0	23.62	.27	.1587	.0709	.1766	.0004	.0007	.0014	.0103
13684	.300	6007.9	25.70	.32	.1712	.0826	.1942	.0006	.0010	.0023	.0103
13685	.300	6008.3	27.63	.32	.1829	.0944	.2103	.0006	.0008	.0023	.0107
13686	.301	6031.7	29.75	.38	.1945	.1071	.2276	.0006	.0005	.0015	.0109
13687	.301	6044.9	31.67	.41	.2057	.1198	.2438	-.0001	-.0005	-.0012	.0118
13688	.301	6045.0	33.71	.46	.2171	.1344	.2613	-.0003	-.0007	-.0014	.0134
13689	.299	5985.8	35.93	.46	.2277	.1510	.2785	-.0004	-.0007	-.0014	.0173
13690	.300	6000.1	37.77	.49	.2344	.1647	.2909	-.0004	-.0007	-.0015	.0217
13691	.300	6002.9	39.78	.51	.2477	.1860	.3123	-.0011	-.0015	-.0034	.0254
13692	.299	5988.6	41.62	.61	.2567	.2040	.3290	-.0025	-.0030	-.0072	.0298
13693	.301	6053.4	43.67	.65	.2637	.2227	.3456	-.0046	-.0051	-.0128	.0317
13694	.300	6018.7	45.59	.66	.2739	.2460	.3690	-.0082	-.0082	-.0211	.0311
13695	.299	5961.8	47.64	.63	.2822	.2693	.3923	-.0125	-.0114	-.0306	.0303
13696	.300	5999.4	-.44	-.02	-.0013	.0050	-.0022	.0000	.0004	.0007	.0008
TEST TP	24 MACH	Q PA	RUN 118 ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
13668	.300	6002.6	-42	-.01	-.0008	.0046	-.0014	.0000	.0006	.0010	.0001
13669	.301	6027.5	-4.11	-.05	-.0177	.0054	-.0210	.0000	.0008	.0014	.0002
13670	.301	6034.4	-1.96	-.03	-.0063	.0055	-.0082	.0000	.0008	.0014	.0002
13671	.301	6030.4	-.62	-.01	.0000	.0055	-.0005	.0000	.0005	.0009	.0002
13672	.300	6019.4	1.85	.02	.0120	.0056	.0134	.0000	.0005	.0008	.0003
13673	.300	5999.4	3.80	.05	.0211	.0049	.0231	.0000	.0006	.0010	.0004
13674	.301	6028.7	5.88	.08	.0380	.0055	.0406	.0000	.0006	.0008	.0007
13675	.300	6002.4	7.99	.11	.0540	.0055	.0563	.0000	.0006	.0009	.0010
13676	.300	5995.6	9.98	.14	.0706	.0055	.0723	.0000	.0005	.0007	.0014
13677	.300	6002.9	11.93	.16	.0854	.0049	.0864	.0000	.0008	.0014	.0018
13678	.300	6025.7	13.93	.21	.1059	.0055	.1061	.0001	.0005	.0008	.0023
13679	.300	6008.2	15.96	.19	.1220	.0053	.1221	.0001	.0005	.0008	.0025
13680	.300	6011.6	17.97	.18	.1348	.0043	.1353	.0001	.0009	.0014	.0025
13681	.300	6008.4	19.79	.26	.1512	.0041	.1520	.0001	.0003	.0005	.0026
13682	.300	6019.0	21.62	.24	.1616	.0025	.1630	.0001	.0006	.0012	.0027
13683	.300	5998.0	23.62	.27	.1738	.0013	.1766	.0001	.0008	.0014	.0026
13684	.300	6007.9	25.70	.32	.1901	.0002	.1942	.0001	.0011	.0023	.0026
13685	.300	6008.3	27.63	.32	.2058	-.0012	.2103	.0002	.0010	.0023	.0027
13686	.301	6031.7	29.75	.38	.2220	-.0036	.2276	.0002	.0007	.0015	.0027
13687	.301	6044.9	31.67	.41	.2380	-.0060	.2438	.0002	-.0005	-.0012	.0030
13688	.301	6045.0	33.71	.46	.2552	-.0087	.2613	.0001	-.0007	-.0014	.0034
13689	.299	5985.8	35.93	.46	.2730	-.0114	.2785	.0001	-.0008	-.0014	.0044
13690	.300	6000.1	37.77	.49	.2862	-.0134	.2909	.0001	-.0008	-.0015	.0055
13691	.300	6002.9	39.78	.51	.3094	-.0156	.3123	.0001	-.0019	-.0034	.0065
13692	.299	5988.6	41.62	.61	.3274	-.0179	.3290	.0001	-.0039	-.0072	.0076
13693	.301	6053.4	43.67	.65	.3445	-.0210	.3456	.0002	-.0069	-.0128	.0082
13694	.300	6018.7	45.59	.66	.3674	-.0236	.3690	.0001	-.0116	-.0211	.0080
13695	.299	5961.8	47.64	.63	.3892	-.0270	.3923	.0000	-.0169	-.0306	.0078
13696	.300	5999.4	-.44	-.02	-.0013	.0050	-.0022	.0000	.0004	.0007	.0002

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 120			CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG								
13731	.302	6073.0	-.41	-.00	-.0012	.0110	-.0027	.0004	-.0011	.0020	.0059	
13732	.300	5992.7	-4.15	-.02	-.0140	.0133	-.0200	.0007	-.0016	.0012	.0063	
13733	.299	5977.2	-1.88	-.01	-.0034	.0129	-.0078	.0005	-.0015	.0019	.0060	
13734	.301	6038.4	-.61	-.00	.0009	.0125	-.0022	.0005	-.0014	.0021	.0059	
13735	.301	6041.0	1.83	.00	.0080	.0128	.0086	.0004	-.0015	.0029	.0063	
13736	.301	6037.0	3.84	.01	.0165	.0133	.0183	.0004	-.0015	.0021	.0069	
13737	.301	6026.6	6.18	.00	.0258	.0134	.0283	.0003	-.0018	.0032	.0072	
13738	.301	6035.4	8.01	-.05	.0361	.0157	.0372	.0003	-.0015	.0042	.0074	
13739	.301	6039.5	9.86	.00	.0488	.0196	.0483	.0002	-.0016	.0030	.0080	
13740	.301	6028.0	11.82	.00	.0607	.0233	.0599	.0001	-.0015	.0025	.0088	
13741	.301	6030.1	13.81	-.02	.0744	.0282	.0719	.0001	-.0016	.0032	.0097	
13742	.300	6018.6	15.72	.01	.0875	.0338	.0844	-.0000	-.0013	.0022	.0106	
13743	.300	6003.1	17.72	-.03	.0983	.0385	.0948	-.0001	-.0012	.0026	.0114	
13744	.301	6030.6	19.85	.02	.1124	.0461	.1081	-.0002	-.0015	.0024	.0123	
13745	.301	6028.0	21.96	.08	.1278	.0553	.1218	-.0004	-.0017	.0023	.0129	
13746	.300	6008.9	23.65	.10	.1416	.0655	.1348	-.0005	-.0020	.0012	.0134	
13747	.300	6021.2	25.69	.15	.1567	.0769	.1489	-.0006	-.0024	.0042	.0140	
13748	.300	6022.9	27.75	.15	.1712	.0895	.1614	-.0006	-.0031	.0056	.0145	
13749	.300	6004.6	29.85	.18	.1849	.1027	.1753	-.0014	-.0043	.0114	.0152	
13750	.300	5985.8	31.47	.15	.1982	.1157	.1871	-.0007	-.0018	.0022	.0157	
13751	.299	5948.1	33.77	.18	.2167	.1356	.2045	-.0014	-.0017	-.0024	.0162	
13752	.301	6028.5	35.79	.23	.2310	.1538	.2187	-.0016	-.0018	-.0025	.0165	
13753	.300	6020.2	37.77	.13	.2437	.1720	.2313	-.0023	-.0021	-.0016	.0165	
13754	.301	6036.4	39.58	.21	.2621	.1979	.2467	-.0023	-.0014	-.0052	.0167	
13755	.300	5992.5	41.70	.15	.2761	.2230	.2586	-.0037	-.0039	-.0086	.0165	
13756	.300	6005.5	43.56	.22	.2942	.2536	.2762	-.0037	-.0055	-.0094	.0164	
13757	.300	6021.2	45.44	.15	.3029	.2769	.2871	-.0045	-.0061	-.0110	.0161	
13758	.301	6025.5	47.57	.16	.3170	.3114	.3058	-.0053	-.0063	-.0193	.0158	
13759	.300	6013.1	-.39	-.00	.0004	.0128	-.0021	.0007	-.0017	.0044	.0060	

TEST TP	24 MACH	Q PA	RUN 120			CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG							
13731	.302	6073.0	-.41	-.00	-.0013	.0110	-.0027	.0004	-.0011	.0020	
13732	.300	5992.7	-4.15	-.02	-.0149	.0123	-.0200	.0006	-.0016	.0012	
13733	.299	5977.2	-1.88	-.01	-.0038	.0128	-.0078	.0004	-.0015	.0019	
13734	.301	6038.4	-.61	-.00	.0007	.0125	-.0022	.0005	-.0014	.0021	
13735	.301	6041.0	1.83	.00	.0084	.0125	.0086	.0005	-.0015	.0029	
13736	.301	6037.0	3.84	.01	.0174	.0121	.0183	.0005	-.0015	.0021	
13737	.301	6026.6	6.18	.00	.0271	.0106	.0283	.0005	-.0018	.0032	
13738	.301	6035.4	8.01	-.05	.0380	.0105	.0372	.0005	-.0014	.0042	
13739	.301	6039.5	9.86	.00	.0514	.0109	.0483	.0005	-.0016	.0030	
13740	.301	6028.0	11.82	.00	.0642	.0104	.0599	.0004	-.0015	.0025	
13741	.301	6030.1	13.81	-.02	.0790	.0096	.0719	.0005	-.0016	.0032	
13742	.300	6018.6	15.72	.01	.0934	.0088	.0844	.0003	-.0013	.0022	
13743	.300	6003.1	17.72	-.03	.1053	.0067	.0948	.0003	-.0011	.0026	
13744	.301	6030.6	19.85	.02	.1214	.0052	.1081	.0003	-.0015	.0024	
13745	.301	6028.0	21.96	.08	.1392	.0035	.1218	.0003	-.0017	.0023	
13746	.300	6008.9	23.65	.10	.1560	.0032	.1348	.0004	-.0020	.0012	
13747	.300	6021.2	25.69	.15	.1745	.0014	.1489	.0005	-.0024	.0042	
13748	.300	6022.9	27.75	.15	.1932	-.0005	.1614	.0009	-.0030	.0056	
13749	.300	6004.6	29.85	.18	.2115	-.0030	.1753	.0010	-.0044	.0114	
13750	.300	5985.8	31.47	.15	.2294	-.0048	.1871	.0004	-.0018	.0022	
13751	.299	5948.1	33.77	.18	.2555	-.0077	.2045	-.0002	-.0022	-.0024	
13752	.301	6028.5	35.79	.23	.2773	-.0103	.2187	-.0002	-.0024	-.0025	
13753	.300	6020.2	37.77	.13	.2980	-.0133	.2313	-.0005	-.0031	-.0016	
13754	.301	6036.4	39.58	.21	.3281	-.0145	.2467	-.0008	-.0025	-.0052	
13755	.300	5992.5	41.70	.15	.3545	-.0172	.2586	-.0002	-.0053	-.0086	
13756	.300	6005.5	43.56	.22	.3880	-.0190	.2762	.0011	-.0065	-.0094	
13757	.300	6021.2	45.44	.15	.4099	-.0215	.2871	.0012	-.0075	-.0110	
13758	.301	6025.5	47.57	.16	.4437	-.0238	.3058	.0011	-.0081	-.0193	
13759	.300	6013.1	-.39	-.00	.0003	.0128	-.0021	.0007	-.0017	.0044	

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 120		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
13731	.302	6073.0	-.41	-.01	-.0013	.0050	-.0019	.0000	.0003	.0004	.0009
13732	.300	5992.7	-4.15	-.08	-.0138	.0061	-.0195	-.0000	.0003	.0003	.0009
13733	.299	5977.2	-1.88	-.03	-.0040	.0058	-.0062	.0000	.0003	.0004	.0008
13734	.301	6038.4	-.61	-.01	-.0011	.0056	-.0013	.0000	.0005	.0007	.0008
13735	.301	6041.0	1.83	.02	.0068	.0057	.0100	.0000	.0005	.0008	.0009
13736	.301	6037.0	3.84	.06	.0144	.0063	.0205	.0000	.0003	.0005	.0010
13737	.301	6026.6	6.18	.08	.0226	.0071	.0315	.0001	.0006	.0009	.0010
13738	.301	6035.4	8.01	.05	.0304	.0087	.0416	.0002	.0008	.0014	.0011
13739	.301	6039.5	9.86	.13	.0401	.0115	.0536	.0001	.0004	.0007	.0012
13740	.301	6028.0	11.82	.16	.0508	.0149	.0665	.0001	.0003	.0005	.0013
13741	.301	6030.1	13.81	.16	.0613	.0189	.0792	.0001	.0004	.0006	.0013
13742	.300	6018.6	15.72	.21	.0719	.0237	.0923	.0001	.0001	.0002	.0012
13743	.300	6003.1	17.72	.20	.0806	.0282	.1036	.0001	.0003	.0006	.0012
13744	.301	6030.6	19.85	.28	.0917	.0346	.1180	.0001	.0000	.0003	.0011
13745	.301	6028.0	21.96	.36	.1034	.0419	.1330	.0000	-.0002	-.0000	.0010
13746	.300	6008.9	23.64	.40	.1139	.0493	.1467	.0001	-.0002	-.0000	.0008
13747	.300	6021.2	25.69	.48	.1241	.0576	.1608	.0001	-.0002	.0000	.0005
13748	.300	6022.9	27.74	.50	.1318	.0642	.1735	.0001	-.0004	-.0010	.0006
13749	.300	6004.6	29.84	.55	.1410	.0733	.1873	.0002	.0001	.0007	.0019
13750	.300	5985.8	31.47	.54	.1497	.0820	.1994	-.0002	-.0004	-.0005	.0036
13751	.299	5948.1	33.77	.59	.1635	.0970	.2178	-.0008	-.0014	-.0029	.0052
13752	.301	6028.5	35.79	.67	.1741	.1099	.2329	-.0009	-.0014	-.0030	.0059
13753	.300	6020.2	37.77	.59	.1825	.1229	.2466	-.0010	-.0014	-.0033	.0061
13754	.301	6036.4	39.57	.69	.1943	.1398	.2655	-.0014	-.0019	-.0042	.0066
13755	.300	5992.5	41.70	.65	.2026	.1566	.2816	-.0027	-.0033	-.0079	.0067
13756	.300	6005.5	43.55	.74	.2161	.1775	.3048	-.0040	-.0043	-.0100	.0067
13757	.300	6021.2	45.44	.68	.2221	.1935	.3201	-.0056	-.0056	-.0134	.0064
13758	.301	6025.5	47.56	.71	.2322	.2169	.3440	-.0092	-.0083	-.0199	.0058
13759	.300	6013.1	-.39	-.01	-.0016	.0048	-.0020	.0000	.0005	.0007	.0007

TEST TP	24 MACH	Q PA	RUN 120		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
13731	.302	6073.0	-.41	-.01	-.0014	.0050	-.0019	.0000	.0003	.0004	.0002
13732	.300	5992.7	-4.15	-.08	-.0142	.0051	-.0195	.0000	.0003	.0003	.0002
13733	.299	5977.2	-1.88	-.03	-.0042	.0056	-.0062	.0000	.0003	.0004	.0002
13734	.301	6038.4	-.61	-.01	-.0011	.0056	-.0013	.0000	.0005	.0007	.0002
13735	.301	6041.0	1.83	.02	.0070	.0055	.0100	.0000	.0005	.0008	.0002
13736	.301	6037.0	3.84	.06	.0148	.0053	.0205	.0000	.0003	.0005	.0002
13737	.301	6026.6	6.18	.08	.0232	.0046	.0315	.0000	.0006	.0009	.0003
13738	.301	6035.4	8.01	.05	.0313	.0044	.0416	.0000	.0008	.0014	.0003
13739	.301	6039.5	9.86	.13	.0414	.0045	.0536	.0001	.0004	.0007	.0003
13740	.301	6028.0	11.82	.16	.0528	.0041	.0665	.0001	.0003	.0005	.0003
13741	.301	6030.1	13.81	.16	.0640	.0038	.0792	.0001	.0004	.0006	.0003
13742	.300	6018.6	15.72	.21	.0756	.0034	.0923	.0001	.0001	.0002	.0003
13743	.300	6003.1	17.72	.20	.0854	.0023	.1036	.0001	.0003	.0006	.0003
13744	.301	6030.6	19.85	.28	.0980	.0014	.1180	.0001	.0001	.0003	.0003
13745	.301	6028.0	21.96	.36	.1115	.0002	.1330	.0001	-.0001	-.0000	.0002
13746	.300	6008.9	23.64	.40	.1241	-.0005	.1467	.0001	-.0002	-.0000	.0002
13747	.300	6021.2	25.69	.48	.1368	-.0019	.1608	.0002	-.0001	.0000	.0001
13748	.300	6022.9	27.74	.50	.1466	-.0045	.1735	.0002	-.0003	-.0010	.0001
13749	.300	6004.6	29.84	.55	.1587	-.0066	.1873	.0001	.0002	.0007	.0004
13750	.300	5985.8	31.47	.54	.1705	-.0082	.1994	.0001	-.0005	-.0005	.0009
13751	.299	5948.1	33.77	.59	.1898	-.0103	.2178	.0001	-.0016	-.0029	.0013
13752	.301	6028.5	35.79	.67	.2055	-.0127	.2329	.0001	-.0016	-.0030	.0014
13753	.300	6020.2	37.77	.59	.2195	-.0146	.2466	.0001	-.0017	-.0033	.0015
13754	.301	6036.4	39.57	.69	.2388	-.0160	.2655	.0001	-.0023	-.0042	.0016
13755	.300	5992.5	41.70	.65	.2555	-.0179	.2816	.0001	-.0043	-.0079	.0016
13756	.300	6005.5	43.55	.74	.2789	-.0202	.3048	.0000	-.0058	-.0100	.0016
13757	.300	6021.2	45.44	.68	.2937	-.0224	.3201	.0000	-.0079	-.0134	.0016
13758	.301	6025.5	47.56	.71	.3168	-.0250	.3440	-.0001	-.0124	-.0199	.0014
13759	.300	6013.1	-.39	-.01	-.0016	.0048	-.0020	.0000	.0005	.0007	.0002

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 121								
			ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
13773	.301	6014.1	-4.42	-0.00	-.0176	.0181	-.0016	.0006	-.0017	.0013	.0055
13774	.300	5970.2	-4.08	-.03	-.2007	.0336	-.0141	.0005	-.0018	.0028	.0056
13775	.300	5976.9	-2.14	-.01	-.0940	.0221	-.0056	.0003	-.0017	.0026	.0056
13776	.300	5989.5	-.63	-.00	-.0066	.0188	-.0012	.0002	-.0017	.0010	.0056
13777	.300	5984.5	2.16	.01	.1395	.0219	.0057	.0008	-.0019	.0006	.0056
13778	.300	5997.8	3.95	.03	.2499	.0318	.0141	.0009	-.0021	.0011	.0057
13779	.301	6007.3	5.97	.04	.3829	.0522	.0244	.0005	-.0023	.0008	.0060
13780	.300	5980.3	7.81	.06	.5185	.0812	.0351	.0017	-.0024	-.0007	.0063
13781	.300	6000.9	9.81	.05	.6475	.1205	.0507	.0018	-.0024	.0004	.0067
13782	.300	5991.3	11.77	.06	.7674	.1659	.0646	.0011	-.0025	.0007	.0067
13783	.300	6000.7	13.90	.07	.9186	.2310	.0836	.0004	-.0019	-.0012	.0069
13784	.300	6000.6	15.83	.10	1.1037	.3134	.0994	.0002	-.0013	-.0051	.0070
13785	.300	5997.8	17.71	.09	1.2479	.3966	.1141	.0008	-.0016	-.0048	.0075
13786	.300	5977.5	19.91	.14	1.4331	.5135	.1291	.0007	-.0014	-.0072	.0073
13787	.300	5975.1	21.89	.11	1.5556	.6154	.1456	.0008	-.0026	-.0055	.0077
13788	.299	5941.9	23.72	.13	1.7255	.7442	.1692	.0011	-.0030	-.0075	.0076
13789	.301	6027.1	25.78	.15	1.8606	.8795	.1934	-.0004	.0007	-.0112	.0078
13790	.300	5977.4	27.81	.12	1.8424	.9519	.2478	-.0164	.0183	-.0194	.0080
13791	.299	5967.4	29.73	.16	1.7679	.9898	.2901	-.0003	.0010	-.0101	.0082
13792	.299	5952.2	31.63	.16	1.7742	1.0749	.3205	.0002	-.0003	-.0096	.0088
13793	.300	6000.7	33.79	.20	1.7411	1.1470	.3320	.0002	.0003	-.0099	.0095
13794	.300	5969.8	35.53	.23	1.7404	1.2252	.3465	.0013	-.0006	-.0112	.0105
13795	.300	5972.0	37.86	.23	1.7398	1.3307	.3678	.0013	.0002	-.0112	.0119
13796	.299	5949.2	39.49	.22	1.7206	1.3930	.3765	.0006	.0003	-.0070	.0130
13797	.301	6032.8	-.40	-.01	-.0118	.0187	-.0016	.0006	-.0019	.0094	.0056

TEST TP	24 MACH	Q PA	RUN 121							
			ALPHA DEG	BETA DEG	CM	CA	CM	CRM	CYM	CY
13773	.301	6014.1	-4.42	-0.00	-.0177	.0179	-.0016	.0005	-.0017	.0013
13774	.300	5970.2	-4.08	-.03	-.2026	.0192	-.0141	.0004	-.0018	.0028
13775	.300	5976.9	-2.14	-.01	-.0947	.0186	-.0056	.0003	-.0017	.0026
13776	.300	5989.5	-.63	-.00	-.0069	.0187	-.0012	.0002	-.0017	.0010
13777	.300	5984.5	2.16	.01	.1402	.0166	.0057	.0009	-.0019	.0006
13778	.300	5997.8	3.95	.03	.2515	.0145	.0141	.0010	-.0021	.0011
13779	.301	6007.3	5.97	.04	.3863	.0121	.0244	.0007	-.0022	.0008
13780	.300	5980.3	7.81	.06	.5247	.0100	.0351	.0020	-.0021	-.0007
13781	.300	6000.9	9.81	.05	.6586	.0084	.0507	.0021	-.0020	.0004
13782	.300	5991.3	11.77	.06	.7851	.0058	.0646	.0016	-.0023	.0007
13783	.300	6000.7	13.90	.07	.9472	.0035	.0836	.0008	-.0018	-.0012
13784	.300	6000.6	15.83	.10	1.1473	.0005	.0994	.0006	-.0012	-.0051
13785	.300	5997.8	17.71	.09	1.3094	-.0019	.1141	.0013	-.0013	-.0048
13786	.300	5977.5	19.91	.14	1.5223	-.0053	.1291	.0012	-.0010	-.0072
13787	.300	5975.1	21.89	.11	1.6729	-.0090	.1456	.0017	-.0022	-.0055
13788	.299	5941.9	23.72	.13	1.8791	-.0129	.1692	.0022	-.0024	-.0075
13789	.301	6027.1	25.78	.15	2.0579	-.0172	.1934	-.0007	.0005	-.0112
13790	.300	5977.4	27.81	.12	2.0737	-.0175	.2478	-.0230	.0085	-.0194
13791	.299	5967.4	29.73	.16	2.0261	-.0172	.2901	-.0007	.0007	-.0101
13792	.299	5952.2	31.63	.16	2.0743	-.0152	.3205	.0004	-.0001	-.0096
13793	.300	6000.7	33.79	.20	2.0849	-.0149	.3320	-.0000	.0004	-.0099
13794	.300	5969.8	35.53	.23	2.1284	-.0145	.3465	.0014	.0003	-.0112
13795	.300	5972.0	37.86	.23	2.1903	-.0171	.3678	.0009	.0009	-.0112
13796	.299	5949.2	39.49	.22	2.2137	-.0189	.3765	.0003	.0006	-.0070
13797	.301	6032.8	-.40	-.01	-.0119	.0186	-.0016	.0005	-.0020	.0094

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 121		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
13773	.301	6014.1	-.42	-.01	-.0031	.0054	-.0038	.0001	-.0001	-.0002	.0015
13774	.300	5970.2	-4.08	-.08	-.0572	.0100	-.0508	.0002	.0000	-.0004	.0005
13775	.300	5976.9	-2.14	-.04	-.0236	.0065	-.0221	.0003	-.0001	-.0006	.0010
13776	.300	5989.5	-.63	-.01	-.0012	.0057	-.0017	.0003	-.0003	-.0011	.0015
13777	.300	5984.5	2.16	.04	.0394	.0072	.0337	.0004	-.0004	-.0013	.0018
13778	.300	5997.8	3.95	.08	.0745	.0107	.0629	.0005	-.0006	-.0019	.0029
13779	.301	6007.3	5.97	.12	.1168	.0177	.0991	.0005	-.0009	-.0028	.0041
13780	.300	5980.3	7.81	.16	.1610	.0273	.1372	.0005	-.0010	-.0028	.0057
13781	.300	6000.9	9.81	.18	.2064	.0400	.1769	.0005	-.0008	-.0027	.0075
13782	.300	5991.3	11.77	.22	.2491	.0550	.2147	.0005	-.0011	-.0036	.0094
13783	.300	6000.7	13.90	.25	.3038	.0777	.2638	.0004	-.0014	-.0040	.0120
13784	.300	6000.6	15.83	.30	.3656	.1055	.3198	.0002	-.0018	-.0045	.0154
13785	.300	5997.8	17.71	.32	.4171	.1341	.3677	.0002	-.0017	-.0042	.0185
13786	.300	5977.5	19.91	.39	.4805	.1728	.4273	.0000	-.0020	-.0053	.0225
13787	.300	5975.1	21.89	.39	.5292	.2091	.4750	-.0002	-.0018	-.0041	.0254
13788	.299	5941.9	23.72	.43	.5901	.2553	.5362	-.0004	-.0018	-.0041	.0293
13789	.301	6027.1	25.78	.47	.6424	.3052	.5928	-.0005	-.0014	-.0033	.0328
13790	.300	5977.4	27.80	.47	.6697	.3457	.6347	-.0012	-.0004	-.0022	.0330
13791	.299	5967.4	29.73	.53	.6713	.3741	.6582	-.0006	-.0012	-.0033	.0313
13792	.299	5952.2	31.63	.55	.6858	.4113	.6975	-.0009	-.0017	-.0040	.0327
13793	.300	6000.7	33.78	.62	.6814	.4419	.7173	-.0011	-.0019	-.0045	.0343
13794	.300	5969.8	35.53	.67	.6880	.4743	.7451	-.0010	-.0019	-.0046	.0363
13795	.300	5972.0	37.85	.68	.6952	.5182	.7808	-.0012	-.0018	-.0047	.0391
13796	.299	5949.2	39.48	.70	.6919	.5443	.7972	-.0011	-.0013	-.0031	.0405
13797	.301	6032.8	-.40	-.02	-.0011	.0060	-.0032	.0003	-.0002	-.0007	.0016

TEST TP	24 MACH	Q PA	RUN 121		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
13773	.301	6014.1	-.42	-.01	-.0031	.0054	-.0038	.0001	-.0001	-.0002	.0004
13774	.300	5970.2	-4.08	-.08	-.0578	.0059	-.0508	.0002	-.0000	-.0004	.0001
13775	.300	5976.9	-2.14	-.04	-.0239	.0057	-.0221	.0003	-.0001	-.0006	.0003
13776	.300	5989.5	-.63	-.01	-.0013	.0057	-.0017	.0003	-.0003	-.0011	.0004
13777	.300	5984.5	2.16	.04	.0397	.0057	.0337	.0005	-.0003	-.0013	.0005
13778	.300	5997.8	3.95	.08	.0751	.0056	.0629	.0005	-.0006	-.0019	.0007
13779	.301	6007.3	5.97	.12	.1180	.0055	.0991	.0005	-.0008	-.0028	.0010
13780	.300	5980.3	7.81	.16	.1632	.0051	.1372	.0007	-.0009	-.0028	.0014
13781	.300	6000.9	9.81	.18	.2102	.0042	.1769	.0007	-.0007	-.0027	.0019
13782	.300	5991.3	11.77	.22	.2551	.0030	.2147	.0007	-.0010	-.0036	.0024
13783	.300	6000.7	13.90	.25	.3135	.0024	.2638	.0008	-.0012	-.0040	.0031
13784	.300	6000.6	15.83	.30	.3805	.0018	.3198	.0007	-.0017	-.0045	.0039
13785	.300	5997.8	17.71	.32	.4382	.0008	.3677	.0007	-.0016	-.0042	.0048
13786	.300	5977.5	19.91	.39	.5106	-.0011	.4273	.0007	-.0019	-.0053	.0058
13787	.300	5975.1	21.89	.39	.5690	-.0032	.4750	.0005	-.0017	-.0041	.0066
13788	.299	5941.9	23.72	.43	.6430	-.0037	.5362	.0004	-.0018	-.0041	.0076
13789	.301	6027.1	25.78	.47	.7112	-.0046	.5928	.0002	-.0015	-.0033	.0085
13790	.300	5977.4	27.80	.47	.7536	-.0066	.6347	-.0009	-.0009	-.0022	.0085
13791	.299	5967.4	29.73	.53	.7685	-.0080	.6582	.0000	-.0014	-.0033	.0081
13792	.299	5952.2	31.63	.55	.7996	-.0094	.6975	.0001	-.0019	-.0040	.0084
13793	.300	6000.7	33.78	.62	.8121	-.0116	.7173	.0001	-.0022	-.0045	.0088
13794	.300	5969.8	35.53	.67	.8356	-.0138	.7451	.0003	-.0022	-.0046	.0094
13795	.300	5972.0	37.85	.68	.8669	-.0175	.7808	.0002	-.0022	-.0047	.0101
13796	.299	5949.2	39.48	.70	.8801	-.0199	.7972	-.0000	-.0017	-.0031	.0104
13797	.301	6032.8	-.40	-.02	-.0012	.0060	-.0032	.0003	-.0002	-.0007	.0004







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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	MACH	Q PA	RUN 129			CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG								
14024	.299	5960.5	-4.42	-.00	-.0190	.0185	-.0021	.0011	-.0014	.0019	.0057	
14025	.300	5981.0	-4.12	.00	-.1906	.0325	-.0174	.0015	-.0011	.0044	.0057	
14026	.300	5984.8	-2.16	.01	-.0840	.0222	-.0077	.0010	-.0011	.0044	.0057	
14028	.300	5984.0	-.64	.00	-.0120	.0188	-.0012	.0009	-.0013	.0029	.0057	
14029	.300	5977.0	2.11	-.00	.1274	.0214	.0105	.0008	-.0014	.0009	.0057	
14030	.300	5990.2	3.99	-.00	.2186	.0283	.0192	.0013	-.0015	.0006	.0058	
14031	.299	5956.2	5.84	-.00	.3499	.0473	.0308	.0012	-.0019	-.0002	.0060	
14032	.300	5994.2	7.82	-.00	.4736	.0746	.0425	.0019	-.0019	-.0017	.0065	
14033	.300	5981.3	9.83	-.01	.5866	.1097	.0558	.0018	-.0022	-.0027	.0067	
14034	.300	5985.9	12.07	-.00	.7365	.1636	.0658	.0011	-.0021	-.0041	.0070	
14035	.299	5959.7	13.86	-.01	.8689	.2177	.0752	.0017	-.0023	-.0046	.0074	
14036	.300	5984.6	15.90	-.00	1.0298	.2915	.0891	.0019	-.0021	-.0072	.0078	
14037	.300	5989.6	17.93	-.01	1.1549	.3682	.1074	.0008	-.0023	-.0076	.0079	
14038	.300	6001.0	19.78	-.02	1.2323	.4349	.1281	.0013	-.0028	-.0086	.0078	
14039	.299	5955.6	21.76	-.02	1.2956	.5064	.1550	.0032	-.0036	-.0100	.0079	
14040	.299	5958.7	23.68	.00	1.3116	.5680	.1662	.0018	-.0025	-.0102	.0081	
14041	.301	6025.6	25.65	.21	1.3511	.6432	.1690	.0017	-.0015	-.0158	.0086	
14042	.300	6003.6	27.84	.20	1.3710	.7160	.1783	.0009	-.0014	-.0138	.0094	
14043	.301	6016.4	29.62	.23	1.3990	.7879	.1883	.0010	-.0015	-.0151	.0103	
14044	.299	5953.7	31.52	-.04	1.4095	.8559	.1986	-.0001	.0008	-.0154	.0111	
14045	.299	5966.2	33.58	-.05	1.4156	.9296	.2061	-.0002	.0027	-.0196	.0122	
14046	.300	5993.5	35.65	-.05	1.4208	1.0069	.2143	.0007	.0042	-.0193	.0135	
14047	.301	6020.8	37.52	-.22	1.4271	1.0822	.2249	.0007	-.0005	-.0145	.0146	
14048	.300	5985.6	39.71	-.04	1.4186	1.1628	.2370	.0004	-.0004	-.0157	.0160	
14049	.300	5996.7	41.53	-.10	1.4041	1.2259	.2454	-.0009	-.0021	-.0125	.0173	
14050	.299	5975.7	43.75	-.04	1.3815	1.3013	.2619	-.0026	-.0052	-.0108	.0193	
14051	.300	5983.7	45.59	-.03	1.3563	1.3596	.2740	-.0047	-.0083	-.0108	.0205	
14052	.299	5964.1	47.70	-.01	1.3122	1.4124	.2847	-.0083	-.0111	.0005	.0218	
14053	.300	5997.9	-.42	.00	-.0185	.0183	-.0019	.0012	-.0015	.0033	.0057	
TEST TP	MACH	Q PA	RUN 129			CN	CA	CM	CRM	CYM	CY	
			ALPHA DEG	BETA DEG								
14024	.299	5960.5	-4.42	-.00	-.0192	.0183	-.0021	.0010	-.0014	.0019		
14025	.300	5981.0	-4.12	.00	-.1924	.0188	-.0174	.0014	-.0012	.0044		
14026	.300	5984.8	-2.16	.01	-.0848	.0190	-.0077	.0010	-.0011	.0044		
14028	.300	5984.0	-.64	.00	-.0122	.0187	-.0012	.0009	-.0013	.0029		
14029	.300	5977.0	2.11	-.00	.1281	.0167	.0105	.0009	-.0013	.0009		
14030	.300	5990.2	3.99	-.00	.2201	.0130	.0192	.0014	-.0014	.0006		
14031	.299	5956.2	5.84	-.00	.3528	.0114	.0308	.0014	-.0018	-.0002		
14032	.300	5994.2	7.82	-.00	.4794	.0094	.0425	.0021	-.0017	-.0017		
14033	.300	5981.3	9.83	-.01	.5967	.0079	.0558	.0021	-.0018	-.0027		
14034	.300	5985.9	12.07	-.00	.7545	.0060	.0658	.0015	-.0018	-.0041		
14035	.299	5959.7	13.86	-.01	.8958	.0031	.0752	.0022	-.0018	-.0046		
14036	.300	5984.6	15.90	-.00	1.0703	-.0019	.0891	.0025	-.0015	-.0072		
14037	.300	5989.6	17.93	-.01	1.2122	-.0051	.1074	.0015	-.0019	-.0076		
14038	.300	6001.0	19.78	-.02	1.3067	-.0078	.1281	.0021	-.0022	-.0086		
14039	.299	5955.6	21.76	-.02	1.3910	-.0099	.1550	.0043	-.0021	-.0100		
14040	.299	5958.7	23.68	.00	1.4293	-.0065	.1662	.0026	-.0016	-.0102		
14041	.301	6025.6	25.65	.21	1.4964	-.0051	.1690	.0022	-.0007	-.0158		
14042	.300	6003.6	27.84	.20	1.5467	-.0071	.1783	.0015	-.0008	-.0138		
14043	.301	6016.4	29.62	.23	1.6055	-.0065	.1883	.0016	-.0008	-.0151		
14044	.299	5953.7	31.52	-.04	1.6490	-.0074	.1986	-.0004	.0006	-.0154		
14045	.299	5966.2	33.58	-.05	1.6935	-.0085	.2061	-.0016	.0022	-.0196		
14046	.300	5993.5	35.65	-.05	1.7414	-.0100	.2143	-.0018	.0038	-.0193		
14047	.301	6020.8	37.52	-.22	1.7910	-.0107	.2249	.0008	.0000	-.0145		
14048	.300	5985.6	39.71	-.04	1.8342	-.0118	.2370	.0006	-.0000	-.0157		
14049	.300	5996.7	41.53	-.10	1.8639	-.0132	.2454	.0007	-.0022	-.0125		
14050	.299	5975.7	43.75	-.04	1.8978	-.0153	.2619	.0018	-.0055	-.0108		
14051	.300	5983.7	45.59	-.03	1.9204	-.0175	.2740	.0026	-.0092	-.0108		
14052	.299	5964.1	47.70	-.01	1.9278	-.0200	.2847	.0027	-.0136	.0005		
14053	.300	5997.9	-.42	.00	-.0187	.0181	-.0019	.0012	-.0015	.0033		

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 129 ALPHA2 DEG	BETA2 DEG	CL2	CD2	CM52	CRMS2	CYMS2	CYS2	COB2
14024	.299	5960.5	-4.42	-.01	-.0014	.0053	-.0023	.0000	.0004	.0004	.0010
14025	.300	5981.0	-4.11	-.05	-.0345	.0082	-.0342	.0001	.0005	.0005	.0003
14026	.300	5984.8	-2.16	-.02	-.0121	.0061	-.0131	.0001	.0007	.0009	.0010
14028	.300	5984.0	-.64	-.01	.0009	.0056	-.0001	.0001	.0007	.0009	.0011
14029	.300	5977.0	2.11	.03	.0259	.0065	.0239	.0001	.0003	.0004	.0021
14030	.300	5990.2	3.99	.05	.0464	.0082	.0425	.0002	.0003	.0003	.0031
14031	.299	5956.2	5.84	.07	.0755	.0133	.0690	.0002	.0001	-.0001	.0047
14032	.300	5994.2	7.82	.10	.1056	.0196	.0967	.0002	.0001	-.0002	.0065
14033	.300	5981.3	9.83	.12	.1353	.0281	.1240	.0002	.0002	.0000	.0081
14034	.300	5985.9	12.07	.15	.1730	.0410	.1590	.0002	-.0002	-.0005	.0106
14035	.299	5959.7	13.86	.17	.2037	.0539	.1876	.0002	-.0001	-.0003	.0130
14036	.300	5984.6	15.90	.20	.2407	.0721	.2229	.0001	-.0005	-.0012	.0164
14037	.300	5989.6	17.93	.22	.2772	.0920	.2586	.0001	-.0005	-.0013	.0202
14038	.300	6001.0	19.78	.23	.3071	.1107	.2891	-.0001	-.0008	-.0018	.0239
14039	.299	5955.6	21.75	.25	.3373	.1342	.3222	-.0001	-.0008	-.0017	.0273
14040	.299	5958.7	23.67	.30	.3615	.1565	.3519	-.0001	-.0005	-.0011	.0292
14041	.301	6025.6	25.65	.53	.3796	.1782	.3791	-.0005	-.0008	-.0020	.0298
14042	.300	6003.6	27.83	.54	.3914	.1999	.4028	-.0004	-.0008	-.0021	.0299
14043	.301	6016.4	29.61	.60	.4057	.2215	.4289	-.0006	-.0011	-.0032	.0314
14044	.299	5953.7	31.52	.35	.4160	.2435	.4517	-.0007	-.0013	-.0032	.0344
14045	.299	5966.2	33.58	.36	.4249	.2673	.4739	-.0009	-.0014	-.0037	.0368
14046	.300	5993.5	35.65	.39	.4330	.2926	.4966	-.0007	-.0009	-.0024	.0376
14047	.301	6020.8	37.52	.23	.4426	.3189	.5209	-.0008	-.0009	-.0023	.0374
14048	.300	5985.6	39.71	.44	.4496	.3483	.5457	-.0014	-.0015	-.0036	.0362
14049	.300	5996.7	41.53	.39	.4515	.3702	.5636	-.0018	-.0018	-.0036	.0361
14050	.299	5975.7	43.75	.47	.4560	.4008	.5910	-.0027	-.0024	-.0046	.0360
14051	.300	5983.7	45.59	.51	.4567	.4251	.6120	-.0042	-.0036	-.0073	.0347
14052	.299	5964.1	47.70	.54	.4516	.4485	.6326	-.0043	-.0032	-.0042	.0314
14053	.300	5997.9	-4.42	-.00	-.0015	.0044	-.0027	.0001	.0004	.0008	.0008

TEST TP	24 MACH	Q PA	RUN 129 ALPHA2 DEG	BETA2 DEG	CM2	CA2	CM2	CRM2	CYM2	CY2	CDC2
14024	.299	5960.5	-4.42	-.01	-.0015	.0053	-.0023	.0000	.0004	.0004	.0003
14025	.300	5981.0	-4.11	-.05	-.0350	.0057	-.0342	.0001	.0005	.0005	.0001
14026	.300	5984.8	-2.16	-.02	-.0123	.0057	-.0131	.0001	.0007	.0009	.0002
14028	.300	5984.0	-.64	-.01	.0008	.0056	-.0001	.0001	.0007	.0009	.0003
14029	.300	5977.0	2.11	.03	.0261	.0055	.0239	.0001	.0003	.0004	.0005
14030	.300	5990.2	3.99	.05	.0469	.0050	.0425	.0001	.0003	.0003	.0008
14031	.299	5956.2	5.84	.07	.0765	.0055	.0690	.0001	.0001	-.0001	.0012
14032	.300	5994.2	7.82	.10	.1073	.0050	.0967	.0002	.0001	-.0002	.0017
14033	.300	5981.3	9.83	.12	.1381	.0046	.1240	.0002	.0002	.0000	.0021
14034	.300	5985.9	12.07	.15	.1778	.0039	.1590	.0002	-.0001	-.0005	.0027
14035	.299	5959.7	13.86	.17	.2107	.0036	.1876	.0002	-.0000	-.0003	.0033
14036	.300	5984.6	15.90	.20	.2513	.0033	.2229	.0002	-.0004	-.0012	.0042
14037	.300	5989.6	17.93	.22	.2921	.0022	.2586	.0003	-.0005	-.0013	.0052
14038	.300	6001.0	19.78	.23	.3264	.0003	.2891	.0002	-.0008	-.0018	.0061
14039	.299	5955.6	21.75	.25	.3630	-.0004	.3222	.0002	-.0007	-.0017	.0070
14040	.299	5958.7	23.67	.30	.3939	-.0019	.3519	.0001	-.0005	-.0011	.0075
14041	.301	6025.6	25.65	.53	.4193	-.0037	.3791	-.0001	-.0010	-.0020	.0077
14042	.300	6003.6	27.83	.54	.4394	-.0060	.4028	.0000	-.0009	-.0021	.0077
14043	.301	6016.4	29.61	.60	.4622	-.0079	.4289	.0000	-.0013	-.0032	.0081
14044	.299	5953.7	31.52	.35	.4819	-.0100	.4517	.0000	-.0015	-.0032	.0089
14045	.299	5966.2	33.58	.36	.5018	-.0123	.4739	.0000	-.0017	-.0037	.0095
14046	.300	5993.5	35.65	.39	.5224	-.0146	.4966	-.0001	-.0011	-.0024	.0097
14047	.301	6020.8	37.52	.23	.5453	-.0166	.5209	-.0001	-.0012	-.0023	.0096
14048	.300	5985.6	39.71	.44	.5684	-.0192	.5457	-.0001	-.0021	-.0036	.0093
14049	.300	5996.7	41.53	.39	.5835	-.0222	.5636	-.0001	-.0025	-.0036	.0093
14050	.299	5975.7	43.75	.47	.6066	-.0258	.5910	-.0003	-.0036	-.0046	.0093
14051	.300	5983.7	45.59	.51	.6232	-.0288	.6120	-.0003	-.0055	-.0073	.0089
14052	.299	5964.1	47.70	.54	.6357	-.0322	.6326	-.0005	-.0053	-.0042	.0081
14053	.300	5997.9	-4.42	-.00	-.0016	.0044	-.0027	.0001	.0004	.0008	.0002

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7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 131 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
14086	.299	5971.9	-4.41	-0.00	-.0009	.0114	-.0040	.0006	-.0018	.0013	.0060
14087	.301	6012.1	-4.08	-0.04	-.0285	.0147	-.0321	.0006	-.0015	.0013	.0060
14088	.300	6009.1	-1.93	-0.02	-.0102	.0130	-.0124	.0007	-.0019	.0021	.0059
14089	.301	6015.5	-.64	-0.01	-.0000	.0132	-.0024	.0006	-.0020	.0022	.0060
14090	.300	6002.4	2.06	.02	.0170	.0135	.0163	.0005	-.0019	.0023	.0063
14091	.301	6015.4	4.08	.05	.0368	.0152	.0339	.0005	-.0023	.0029	.0067
14092	.300	6006.4	5.77	.06	.0516	.0161	.0457	.0003	-.0022	.0023	.0068
14093	.300	5980.8	7.92	.09	.0806	.0228	.0689	.0003	-.0026	.0036	.0073
14094	.300	6004.1	9.69	.10	.0949	.0262	.0841	.0002	-.0026	.0035	.0077
14095	.301	6020.2	11.97	.15	.1256	.0366	.1109	.0001	-.0026	.0031	.0084
14096	.300	5997.5	13.75	.13	.1453	.0438	.1266	-.0000	-.0025	.0047	.0087
14097	.300	5981.6	15.70	.14	.1727	.0566	.1541	-.0001	-.0024	.0043	.0097
14098	.300	5997.3	17.85	.17	.1962	.0685	.1768	-.0002	-.0021	.0040	.0106
14099	.300	5999.5	19.80	.18	.2178	.0823	.2008	-.0003	-.0020	.0030	.0113
14100	.301	6011.1	21.75	.22	.2480	.1019	.2308	-.0005	-.0025	.0038	.0119
14101	.300	5995.3	23.83	.26	.2711	.1202	.2542	-.0007	-.0025	.0031	.0122
14102	.300	6007.3	25.58	.27	.2986	.1421	.2812	-.0008	-.0025	.0041	.0130
14103	.300	5990.4	27.86	.26	.3113	.1614	.3027	-.0012	-.0023	.0062	.0137
14104	.300	5988.8	29.81	.30	.3283	.1822	.3215	-.0012	-.0023	.0064	.0140
14105	.301	6015.6	31.78	.32	.3537	.2117	.3486	-.0010	-.0027	.0025	.0147
14106	.300	5996.0	33.80	.29	.3692	.2360	.3695	-.0016	-.0023	.0026	.0151
14107	.300	5999.1	35.53	.31	.3843	.2618	.3910	-.0018	-.0026	.0027	.0154
14108	.299	5967.4	37.72	.34	.4006	.2935	.4151	-.0021	-.0031	.0049	.0155
14109	.301	6040.8	39.49	.20	.4104	.3177	.4330	-.0028	-.0040	.0077	.0156
14110	.300	5986.4	41.64	.34	.4286	.3568	.4593	-.0041	-.0048	.0048	.0156
14111	.299	5951.5	43.70	.37	.4435	.3948	.4832	-.0062	-.0069	.0047	.0156
14112	.300	5995.2	45.69	.39	.4530	.4303	.5045	-.0068	-.0071	.0002	.0155
14113	.300	5983.4	47.49	.40	.4575	.4603	.5222	-.0080	-.0077	-.0047	.0153
14114	.300	6004.5	-.42	-0.01	.0006	.0123	-.0035	.0007	-.0019	.0045	.0060
TEST TP	24 MACH	Q PA	RUN 131 ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY	
14086	.299	5971.9	-4.41	-0.00	-.0010	.0114	-.0040	.0006	-.0018	.0013	
14087	.301	6012.1	-4.08	-0.04	-.0294	.0127	-.0321	.0005	-.0016	.0013	
14088	.300	6009.1	-1.93	-0.02	-.0106	.0127	-.0124	.0006	-.0019	.0021	
14089	.301	6015.5	-.64	-0.01	-.0002	.0132	-.0024	.0005	-.0020	.0022	
14090	.300	6002.4	2.06	.02	.0175	.0129	.0163	.0006	-.0018	.0023	
14091	.301	6015.4	4.08	.05	.0378	.0126	.0339	.0007	-.0023	.0029	
14092	.300	6006.4	5.77	.06	.0529	.0108	.0457	.0006	-.0022	.0023	
14093	.300	5980.8	7.92	.09	.0829	.0115	.0689	.0006	-.0025	.0036	
14094	.300	6004.1	9.69	.10	.0979	.0098	.0841	.0007	-.0025	.0035	
14095	.301	6020.2	11.97	.15	.1304	.0098	.1109	.0006	-.0025	.0031	
14096	.300	5997.5	13.75	.13	.1515	.0080	.1266	.0006	-.0025	.0047	
14097	.300	5981.6	15.70	.14	.1816	.0078	.1541	.0006	-.0023	.0043	
14098	.300	5997.3	17.85	.17	.2078	.0051	.1768	.0004	-.0021	.0040	
14099	.300	5999.5	19.80	.18	.2328	.0036	.2008	.0004	-.0019	.0030	
14100	.301	6011.1	21.75	.22	.2681	.0027	.2308	.0004	-.0025	.0038	
14101	.300	5995.3	23.83	.26	.2966	.0004	.2542	.0004	-.0025	.0031	
14102	.300	6007.3	25.58	.27	.3307	-.0007	.2812	.0003	-.0026	.0041	
14103	.300	5990.4	27.86	.26	.3506	-.0027	.3027	.0000	-.0026	.0062	
14104	.300	5988.8	29.81	.30	.3754	-.0051	.3215	.0005	-.0033	.0064	
14105	.301	6015.6	31.78	.32	.4122	-.0063	.3486	.0006	-.0028	.0025	
14106	.300	5996.0	33.80	.29	.4381	-.0093	.3695	-.0001	-.0028	.0026	
14107	.300	5999.1	35.53	.31	.4649	-.0103	.3910	.0001	-.0031	.0027	
14108	.299	5967.4	37.72	.34	.4965	-.0129	.4151	.0002	-.0038	.0049	
14109	.301	6040.8	39.49	.20	.5188	-.0158	.4330	.0004	-.0049	.0077	
14110	.300	5986.4	41.64	.34	.5574	-.0182	.4593	.0001	-.0063	.0048	
14111	.299	5951.5	43.70	.37	.5934	-.0209	.4832	.0003	-.0092	.0047	
14112	.300	5995.2	45.69	.39	.6243	-.0236	.5045	.0003	-.0098	.0002	
14113	.300	5983.4	47.49	.40	.6485	-.0263	.5222	.0003	-.0111	-.0047	
14114	.300	6004.5	-.42	-0.01	.0005	.0123	-.0035	.0007	-.0019	.0045	

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	RUN 131		BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	COB2
		Q PA	ALPHA2 DEG								
14086	.299	5971.9	-1.41	-.01	-.0027	.0064	-.0031	.0001	-.0002	-.0005	.0012
14087	.301	6012.1	-4.08	-.09	-.0285	.0084	-.0318	.0001	-.0001	-.0003	.0013
14088	.300	6009.1	-1.93	-.05	-.0103	.0073	-.0119	.0001	-.0001	-.0004	.0012
14089	.301	6015.5	-.64	-.02	-.0013	.0073	-.0014	.0001	-.0002	-.0005	.0013
14090	.300	6002.4	2.06	.05	.0151	.0078	.0173	.0001	-.0005	-.0010	.0013
14091	.301	6015.4	4.08	.10	.0326	.0093	.0361	.0001	-.0003	-.0006	.0013
14092	.300	6006.4	5.77	.14	.0438	.0105	.0482	.0001	-.0006	-.0011	.0014
14093	.300	5980.8	7.92	.19	.0676	.0155	.0738	.0001	-.0004	-.0009	.0017
14094	.300	6004.1	9.69	.23	.0818	.0191	.0890	.0001	-.0005	-.0009	.0018
14095	.301	6020.2	11.96	.30	.1074	.0275	.1171	.0001	-.0007	-.0013	.0020
14096	.300	5997.5	13.75	.31	.1225	.0335	.1337	.0001	-.0005	-.0009	.0021
14097	.300	5981.6	15.69	.35	.1471	.0442	.1616	.0000	-.0007	-.0011	.0024
14098	.300	5997.3	17.84	.39	.1672	.0551	.1849	-.0000	-.0008	-.0012	.0027
14099	.300	5999.5	19.79	.43	.1874	.0672	.2082	-.0000	-.0008	-.0012	.0030
14100	.301	6011.1	21.75	.49	.2131	.0836	.2386	-.0001	-.0009	-.0012	.0035
14101	.300	5995.3	23.83	.56	.2322	.0993	.2622	-.0002	-.0009	-.0012	.0037
14102	.300	6007.3	25.57	.59	.2552	.1176	.2907	-.0001	-.0006	-.0007	.0039
14103	.300	5990.4	27.85	.61	.2631	.1323	.3110	-.0002	-.0007	-.0010	.0040
14104	.300	5988.8	29.80	.67	.2746	.1490	.3298	-.0002	-.0007	-.0009	.0046
14105	.301	6015.6	31.77	.71	.2931	.1724	.3575	-.0005	-.0011	-.0019	.0043
14106	.300	5996.0	33.79	.71	.3051	.1934	.3788	-.0007	-.0013	-.0022	.0042
14107	.300	5999.1	35.53	.74	.3171	.2141	.4011	-.0007	-.0012	-.0020	.0038
14108	.299	5967.4	37.71	.80	.3305	.2394	.4266	-.0007	-.0011	-.0020	.0052
14109	.301	6040.8	39.48	.87	.3391	.2588	.4456	-.0008	-.0012	-.0020	.0067
14110	.300	5986.4	41.64	.84	.3515	.2877	.4752	-.0019	-.0023	-.0043	.0071
14111	.299	5951.5	43.69	.89	.3619	.3171	.5045	-.0030	-.0033	-.0068	.0066
14112	.300	5995.2	45.69	.93	.3684	.3443	.5306	-.0042	-.0041	-.0084	.0058
14113	.300	5983.4	47.49	.95	.3713	.3675	.5524	-.0060	-.0055	-.0114	.0050
14114	.300	6004.5	-.42	-.01	-.0023	.0065	-.0026	.0001	-.0000	-.0002	.0012

TEST TP	24 MACH	RUN 131		BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
		Q PA	ALPHA2 DEG								
14086	.299	5971.9	-1.41	-.01	-.0028	.0064	-.0031	.0001	-.0002	-.0005	.0003
14087	.301	6012.1	-4.08	-.09	-.0290	.0064	-.0318	.0001	-.0001	-.0003	.0003
14088	.300	6009.1	-1.93	-.05	-.0105	.0070	-.0119	.0001	-.0001	-.0004	.0003
14089	.301	6015.5	-.64	-.02	-.0014	.0072	-.0014	.0001	-.0002	-.0005	.0003
14090	.300	6002.4	2.06	.05	.0153	.0072	.0173	.0002	-.0005	-.0010	.0003
14091	.301	6015.4	4.08	.10	.0332	.0069	.0361	.0002	-.0003	-.0006	.0003
14092	.300	6006.4	5.77	.14	.0446	.0061	.0482	.0002	-.0006	-.0011	.0004
14093	.300	5980.8	7.92	.19	.0691	.0060	.0738	.0002	-.0004	-.0009	.0004
14094	.300	6004.1	9.69	.23	.0838	.0050	.0890	.0002	-.0004	-.0009	.0005
14095	.301	6020.2	11.96	.30	.1108	.0046	.1171	.0002	-.0007	-.0013	.0005
14096	.300	5997.5	13.75	.31	.1269	.0034	.1337	.0002	-.0005	-.0009	.0005
14097	.300	5981.6	15.69	.35	.1536	.0027	.1616	.0002	-.0006	-.0011	.0006
14098	.300	5997.3	17.84	.39	.1761	.0012	.1849	.0002	-.0008	-.0012	.0007
14099	.300	5999.5	19.79	.43	.1991	-.0002	.2082	.0002	-.0008	-.0012	.0007
14100	.301	6011.1	21.75	.49	.2289	-.0013	.2386	.0002	-.0009	-.0012	.0009
14101	.300	5995.3	23.83	.56	.2525	-.0030	.2622	.0002	-.0009	-.0012	.0009
14102	.300	6007.3	25.57	.59	.2810	-.0041	.2907	.0002	-.0006	-.0007	.0010
14103	.300	5990.4	27.85	.61	.2944	-.0059	.3110	.0001	-.0007	-.0010	.0010
14104	.300	5988.8	29.80	.67	.3124	-.0072	.3298	.0001	-.0007	-.0009	.0011
14105	.301	6015.6	31.77	.71	.3399	-.0077	.3575	.0002	-.0012	-.0019	.0010
14106	.300	5996.0	33.79	.71	.3611	-.0090	.3788	.0002	-.0015	-.0022	.0010
14107	.300	5999.1	35.53	.74	.3825	-.0101	.4011	.0001	-.0014	-.0020	.0009
14108	.299	5967.4	37.71	.80	.4079	-.0128	.4266	.0001	-.0013	-.0019	.0013
14109	.301	6040.8	39.48	.87	.4263	-.0158	.4456	.0001	-.0015	-.0020	.0017
14110	.300	5986.4	41.64	.84	.4538	-.0186	.4752	.0001	-.0030	-.0043	.0018
14111	.299	5951.5	43.69	.89	.4807	-.0206	.5045	.0001	-.0044	-.0068	.0016
14112	.300	5995.2	45.69	.93	.5038	-.0231	.5306	.0000	-.0059	-.0084	.0014
14113	.300	5983.4	47.49	.95	.5218	-.0253	.5524	.0000	-.0081	-.0114	.0012
14114	.300	6004.5	-.42	-.01	-.0023	.0065	-.0026	.0001	-.0000	-.0002	.0003



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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 136		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
14227	.301	6030.7	-0.42	-0.00	-0.0014	.0045	-.0021	-.0000	.0003	.0003	.0001
14228	.300	6009.3	-3.96	-0.05	-0.0184	.0059	-.0214	-.0000	.0004	.0002	-.0003
14229	.301	6022.9	-2.00	-0.02	-0.0068	.0048	-.0084	-.0000	.0005	.0005	-.0001
14230	.301	6029.6	-.62	-0.01	-0.0003	.0046	-.0008	.0000	.0002	.0000	.0002
14231	.300	6009.8	2.13	.03	.0142	.0054	.0157	.0000	.0003	.0001	.0008
14232	.301	6029.1	3.78	.05	.0219	.0055	.0238	.0000	.0001	.0001	.0015
14233	.300	6005.2	5.93	.09	.0396	.0089	.0423	.0000	.0001	-.0001	.0032
14234	.300	5996.6	7.78	.11	.0542	.0124	.0569	.0000	-.0001	-.0004	.0047
14235	.300	5995.5	9.85	.14	.0711	.0173	.0739	.0000	-.0000	-.0002	.0064
14236	.300	6007.6	11.81	.16	.0848	.0224	.0879	.0000	-.0001	-.0003	.0081
14237	.300	5993.6	13.74	.19	.1007	.0296	.1044	.0000	-.0001	-.0003	.0097
14238	.300	5990.3	15.97	.25	.1188	.0393	.1249	-.0000	-.0003	-.0007	.0109
14239	.300	6016.7	17.76	.24	.1287	.0457	.1366	-.0000	-.0002	-.0006	.0112
14240	.300	5985.5	19.78	.25	.1411	.0542	.1519	.0000	-.0001	-.0003	.0115
14241	.300	5991.9	21.70	.31	.1522	.0631	.1675	.0001	.0000	.0002	.0110
14242	.300	5988.6	23.64	.33	.1616	.0720	.1812	.0002	.0003	.0012	.0106
14243	.300	5988.9	25.91	.34	.1738	.0841	.1989	.0004	.0004	.0014	.0106
14244	.301	6033.4	27.68	.35	.1817	.0926	.2115	.0004	-.0002	-.0007	.0109
14245	.302	6085.3	29.62	.39	.1926	.1041	.2276	.0003	-.0002	-.0007	.0117
14246	.301	6036.2	31.83	.41	.2013	.1165	.2419	-.0002	-.0007	-.0019	.0124
14247	.300	6008.2	33.67	.42	.2113	.1290	.2571	-.0004	-.0009	-.0021	.0150
14248	.299	5964.8	35.59	.47	.2242	.1461	.2761	-.0000	-.0003	-.0003	.0207
14249	.300	6015.9	37.72	.48	.2325	.1622	.2907	.0000	-.0002	.0004	.0239
14250	.300	6014.9	39.50	.51	.2454	.1816	.3111	-.0006	-.0009	-.0016	.0257
14251	.300	6019.0	41.58	.53	.2514	.1984	.3254	-.0015	-.0018	-.0036	.0263
14252	.299	5958.1	43.50	.58	.2648	.2220	.3505	-.0034	-.0037	-.0083	.0271
14253	.300	6011.3	45.58	.49	.2749	.2449	.3739	-.0053	-.0061	-.0146	.0267
14254	.301	6049.4	47.66	.75	.2823	.2678	.3968	-.0109	-.0098	-.0247	.0260
14255	.301	6027.1	-.40	-.01	-.0010	.0039	-.0013	.0000	.0003	-.0001	.0001

TEST TP	24 MACH	Q PA	RUN 136		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
14227	.301	6030.7	-0.42	-0.00	-.0014	.0045	-.0021	-.0000	.0003	.0003	.0000
14228	.300	6009.3	-3.96	-0.05	-.0188	.0046	-.0214	-.0000	.0004	.0002	-.0001
14229	.301	6022.9	-2.00	-0.02	-.0069	.0046	-.0084	-.0000	.0005	.0005	-.0000
14230	.301	6029.6	-.62	-0.01	-.0004	.0046	-.0008	.0000	.0002	.0000	.0001
14231	.300	6009.8	2.13	.03	.0144	.0048	.0157	.0000	.0003	.0001	.0002
14232	.301	6029.1	3.78	.05	.0222	.0041	.0238	.0000	.0001	.0001	.0004
14233	.300	6005.2	5.93	.09	.0403	.0048	.0423	.0000	.0001	-.0001	.0008
14234	.300	5996.6	7.78	.11	.0554	.0049	.0569	.0000	-.0001	-.0004	.0011
14235	.300	5995.5	9.85	.14	.0730	.0049	.0739	.0000	.0000	-.0002	.0016
14236	.300	6007.6	11.81	.16	.0876	.0046	.0879	.0000	-.0001	-.0003	.0021
14237	.300	5993.6	13.74	.19	.1048	.0048	.1044	.0000	-.0001	-.0003	.0025
14238	.300	5990.3	15.97	.25	.1250	.0051	.1249	.0000	-.0003	-.0007	.0028
14239	.300	6016.7	17.76	.24	.1365	.0043	.1366	.0001	-.0002	-.0006	.0029
14240	.300	5985.5	19.78	.25	.1511	.0032	.1519	.0001	-.0001	-.0003	.0029
14241	.300	5991.9	21.70	.31	.1648	.0024	.1675	.0001	.0000	.0002	.0028
14242	.300	5988.6	23.64	.33	.1769	.0012	.1812	.0001	.0004	.0012	.0027
14243	.300	5988.9	25.91	.34	.1931	-.0004	.1989	.0002	.0005	.0014	.0027
14244	.301	6033.4	27.68	.35	.2039	-.0024	.2115	.0004	.0000	.0000	.0028
14245	.302	6085.3	29.62	.39	.2189	-.0047	.2276	.0004	-.0001	-.0007	.0030
14246	.301	6036.2	31.83	.41	.2325	-.0072	.2419	.0002	-.0007	-.0019	.0032
14247	.300	6008.2	33.67	.42	.2474	-.0098	.2571	.0001	-.0010	-.0021	.0038
14248	.299	5964.8	35.59	.47	.2673	-.0117	.2761	.0002	-.0003	-.0003	.0053
14249	.300	6015.9	37.72	.48	.2832	-.0140	.2907	.0001	-.0001	.0004	.0061
14250	.300	6014.9	39.50	.51	.3049	-.0159	.3111	.0001	-.0011	-.0016	.0066
14251	.300	6019.0	41.58	.53	.3197	-.0184	.3254	.0001	-.0023	-.0036	.0068
14252	.299	5958.1	43.50	.58	.3449	-.0213	.3505	.0000	-.0050	-.0083	.0069
14253	.300	6011.3	45.58	.49	.3673	-.0250	.3739	-.0000	-.0088	-.0146	.0068
14254	.301	6049.4	47.66	.75	.3881	-.0283	.3968	-.0001	-.0147	-.0247	.0067
14255	.301	6027.1	-.40	-.01	-.0010	.0039	-.0015	.0000	.0003	-.0001	.0000



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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 138			CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG								
1429C	.301	6062.0	-3.39	.00	.0011	.0119	-.0031	.0006	-.0019	.0034	.0059	
14291	.301	6070.3	-3.94	.00	-.0119	.0138	-.0195	.0008	-.0019	.0022	.0062	
14292	.301	6063.0	-1.96	.01	-.0024	.0136	-.0083	.0006	-.0018	.0032	.0059	
14293	.300	6048.2	-.60	.00	.0012	.0129	-.0023	.0007	-.0018	.0024	.0059	
14294	.300	6049.0	2.05	-.00	.0085	.0133	.0096	.0006	-.0021	.0024	.0065	
14295	.300	6051.1	3.91	-.01	.0162	.0124	.0166	.0005	-.0020	.0025	.0068	
14296	.301	6055.8	5.85	-.00	.0252	.0147	.0273	.0005	-.0024	.0013	.0072	
14297	.300	6036.9	7.99	-.00	.0366	.0172	.0380	.0004	-.0026	.0011	.0075	
14298	.301	6059.6	9.86	-.02	.0462	.0185	.0465	.0003	-.0024	.0014	.0079	
14299	.301	6067.6	11.86	-.02	.0592	.0233	.0593	.0002	-.0026	.0015	.0088	
14300	.300	6051.2	13.99	-.04	.0735	.0284	.0722	.0001	-.0024	.0026	.0097	
14301	.300	6050.3	15.79	-.04	.0865	.0338	.0836	-.0000	-.0022	.0017	.0107	
14302	.300	6042.3	17.99	-.04	.1018	.0410	.0975	-.0001	-.0017	.0024	.0116	
14303	.301	6059.7	19.62	-.05	.1130	.0473	.1079	-.0005	-.0015	.0039	.0123	
14304	.300	6050.7	21.69	-.07	.1276	.0560	.1215	-.0006	-.0017	.0071	.0129	
14305	.300	6040.1	23.56	-.08	.1407	-.0651	.1335	-.0010	-.0021	.0112	.0134	
14306	.300	6049.0	25.80	-.10	.1570	.0774	.1494	-.0013	-.0031	.0147	.0140	
14307	.300	6018.6	27.57	-.06	.1673	.0858	.1574	-.0016	-.0054	.0182	.0144	
14308	.300	6015.9	29.56	-.07	.1836	.1012	.1729	-.0021	-.0073	.0250	.0151	
14309	.300	6050.2	31.82	-.02	.2012	.1186	.1893	-.0018	-.0051	.0160	.0158	
14310	.300	6029.7	33.55	-.08	.2145	.1333	.2021	-.0021	-.0053	.0166	.0161	
14311	.300	6016.4	35.70	-.08	.2321	.1544	.2174	-.0017	-.0057	.0203	.0164	
14312	.301	6056.2	37.58	-.23	.2477	.1749	.2322	-.0006	-.0045	.0203	.0166	
14313	.300	6015.0	39.72	-.27	.2628	.1988	.2486	-.0006	-.0026	.0103	.0168	
14314	.300	6044.9	41.50	-.26	.2762	.2217	.2603	-.0021	-.0031	.0043	.0167	
14315	.300	6046.6	43.64	-.30	.2892	.2480	.2762	-.0031	-.0038	.0049	.0165	
14316	.300	6018.6	45.69	-.27	.3061	.2814	.2947	-.0037	-.0045	.0034	.0163	
14317	.301	6078.3	47.70	-.27	.3167	.3106	.3125	-.0027	-.0023	.0011	.0163	
14318	.299	5983.8	-.38	.00	-.0003	.0114	-.0028	.0007	-.0021	.0042	.0059	
TEST TP	24 MACH	Q PA	RUN 138			CN	CA	CM	CRM	CYM	CY	
			ALPHA DEG	BETA DEG								
14290	.301	6062.0	-3.39	.00	.0010	.0119	-.0031	.0006	-.0019	.0034		
14291	.301	6070.3	-3.94	.00	-.0128	.0129	-.0195	.0006	-.0019	.0022		
14292	.301	6063.0	-1.96	.01	-.0029	.0135	-.0083	.0006	-.0018	.0032		
14293	.300	6048.2	-.60	.00	.0011	.0130	-.0023	.0007	-.0018	.0024		
14294	.300	6049.0	2.05	-.00	.0089	.0130	.0096	.0007	-.0021	.0024		
14295	.300	6051.1	3.91	-.01	.0170	.0112	.0166	.0006	-.0020	.0025		
14296	.301	6055.8	5.85	-.00	.0266	.0121	.0273	.0007	-.0024	.0013		
14297	.300	6036.9	7.99	-.00	.0386	.0119	.0380	.0008	-.0026	.0011		
14298	.301	6059.6	9.86	-.02	.0487	.0103	.0465	.0007	-.0023	.0014		
14299	.301	6067.6	11.86	-.02	.0628	.0106	.0593	.0007	-.0025	.0015		
14300	.300	6051.2	13.99	-.04	.0782	.0098	.0722	.0007	-.0023	.0026		
14301	.300	6050.3	15.79	-.04	.0924	.0090	.0836	.0006	-.0021	.0017		
14302	.300	6042.3	17.99	-.04	.1095	.0075	.0975	.0004	-.0017	.0024		
14303	.301	6059.7	19.62	-.05	.1223	.0066	.1079	.0001	-.0015	.0039		
14304	.300	6050.7	21.69	-.07	.1392	.0048	.1215	.0000	-.0018	.0071		
14305	.300	6040.1	23.56	-.08	.1550	.0034	.1335	-.0001	-.0023	.0112		
14306	.300	6049.0	25.80	-.10	.1730	.0014	.1494	.0002	-.0034	.0147		
14307	.300	6018.6	27.57	-.06	.1880	-.0014	.1574	.0011	-.0055	.0182		
14308	.300	6015.9	29.56	-.07	.2097	-.0026	.1729	.0017	-.0074	.0250		
14309	.300	6050.2	31.82	-.02	.2335	-.0053	.1893	.0012	-.0053	.0160		
14310	.300	6029.7	33.55	-.08	.2524	-.0074	.2021	.0012	-.0056	.0166		
14311	.300	6016.4	35.70	-.08	.2786	-.0101	.2174	.0019	-.0056	.0203		
14312	.301	6056.2	37.58	-.23	.3030	-.0125	.2322	.0023	-.0040	.0203		
14313	.300	6015.0	39.72	-.27	.3292	-.0150	.2486	.0012	-.0024	.0103		
14314	.300	6044.9	41.50	-.26	.3538	-.0170	.2603	.0005	-.0038	.0043		
14315	.300	6046.6	43.64	-.30	.3804	-.0201	.2762	.0004	-.0049	.0049		
14316	.300	6018.6	45.69	-.27	.4132	-.0225	.2947	.0006	-.0058	.0034		
14317	.301	6078.3	47.70	-.27	.4429	-.0252	.3125	-.0001	-.0035	.0011		
14318	.299	5983.8	-.38	.00	-.0004	.0114	-.0028	.0007	-.0021	.0042		

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TEST TP	24 MACH	Q PA	RUN 138 ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
14290	.301	6062.0	-3.39	-0.00	-.0005	.0049	-.0011	-.0000	.0004	.0003	.0008
14291	.301	6070.3	-3.94	-0.05	-.0126	.0059	-.0181	-.0000	.0002	.0002	.0008
14292	.301	6063.0	-1.96	-0.02	-.0035	.0058	-.0058	-.0000	.0005	.0006	.0008
14293	.300	6048.2	-.60	-0.00	-.0001	.0056	-.0004	-.0000	.0005	.0006	.0008
14294	.300	6049.0	2.05	.02	.0082	.0057	.0118	.0000	.0005	.0005	.0008
14295	.300	6051.1	3.90	.04	.0141	.0056	.0200	.0001	.0006	.0007	.0008
14296	.301	6055.8	5.85	.07	.0226	.0073	.0315	.0001	.0004	.0005	.0009
14297	.300	6036.9	7.99	.10	.0319	.0093	.0437	.0001	.0003	.0002	.0010
14298	.301	6059.6	9.86	.11	.0397	.0111	.0534	.0001	.0003	.0004	.0011
14299	.301	6067.6	11.86	.14	.0504	.0148	.0666	.0001	.0003	.0003	.0012
14300	.300	6051.2	13.98	.14	.0620	.0194	.0807	.0002	.0005	.0006	.0012
14301	.300	6050.3	15.79	.17	.0718	.0238	.0930	.0002	.0003	.0005	.0012
14302	.300	6042.3	17.99	.19	.0834	.0298	.1079	.0003	.0006	.0011	.0011
14303	.301	6059.7	19.62	.21	.0923	.0350	.1193	.0003	.0006	.0013	.0011
14304	.300	6050.7	21.69	.21	.1034	.0420	.1335	.0005	.0009	.0022	.0010
14305	.300	6040.1	23.56	.22	.1132	.0491	.1465	.0007	.0013	.0032	.0009
14306	.300	6049.0	25.80	.23	.1244	.0582	.1621	.0008	.0013	.0033	.0005
14307	.300	6018.6	27.57	.28	.1289	.0625	.1707	.0009	.0011	.0023	.0006
14308	.300	6015.9	29.56	.30	.1395	.0722	.1862	.0012	.0017	.0042	.0020
14309	.300	6050.2	31.82	.37	.1521	.0850	.2035	.0008	.0011	.0033	.0038
14310	.300	6029.7	33.55	.34	.1618	.0957	.2168	.0007	.0008	.0027	.0047
14311	.300	6016.4	35.70	.36	.1737	.1100	.2340	.0011	.0014	.0042	.0054
14312	.301	6056.2	37.58	.23	.1846	.1245	.2505	.0014	.0018	.0051	.0058
14313	.300	6015.0	39.72	.21	.1950	.1413	.2681	.0008	.0008	.0026	.0061
14314	.300	6044.9	41.50	.24	.2039	.1567	.2841	-.0003	-.0004	-.0005	.0062
14315	.300	6046.6	43.64	.22	.2137	.1758	.3034	-.0011	-.0012	-.0021	.0062
14316	.300	6018.6	45.69	.26	.2263	.1992	.3290	-.0027	-.0025	-.0043	.0063
14317	.301	6078.3	47.70	.28	.2348	.2201	.3509	-.0045	-.0037	-.0051	.0061
14318	.299	5983.8	-.38	-0.00	-.0011	.0050	-.0015	-.0000	.0010	.0014	.0008

TEST TP	24 MACH	Q PA	RUN 138 ALPHA2 DEG	BETA2 DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
14290	.301	6062.0	-3.39	-0.00	-.0005	.0049	-.0011	-.0000	.0004	.0003	.0002
14291	.301	6070.3	-3.94	-0.05	-.0130	.0050	-.0181	.0000	.0002	.0002	.0002
14292	.301	6063.0	-1.96	-0.02	-.0037	.0057	-.0058	.0000	.0005	.0006	.0002
14293	.300	6048.2	-.60	-0.00	-.0001	.0056	-.0004	-.0000	.0005	.0006	.0002
14294	.300	6049.0	2.05	.02	.0084	.0054	.0118	.0000	.0005	.0005	.0002
14295	.300	6051.1	3.90	.04	.0144	.0047	.0200	.0000	.0006	.0007	.0002
14296	.301	6055.8	5.85	.07	.0233	.0050	.0315	.0000	.0004	.0005	.0002
14297	.300	6036.9	7.99	.10	.0329	.0048	.0437	.0000	.0003	.0002	.0002
14298	.301	6059.6	9.86	.11	.0410	.0041	.0534	.0000	.0003	.0004	.0003
14299	.301	6067.6	11.86	.14	.0524	.0041	.0666	.0001	.0003	.0003	.0003

14300	.300	6051.2	13.98	.14	.0648	.0038	.0807	.0001	.0005	.0006	.0003
14301	.300	6050.3	15.79	.17	.0756	.0034	.0930	.0001	.0004	.0005	.0003
14302	.300	6042.3	17.99	.19	.0885	.0026	.1079	.0001	.0007	.0011	.0003
14303	.301	6059.7	19.62	.21	.0987	.0020	.1193	.0001	.0006	.0013	.0002
14304	.300	6050.7	21.69	.21	.1115	.0008	.1335	.0001	.0010	.0022	.0002
14305	.300	6040.1	23.56	.22	.1233	-.0002	.1465	.0001	.0014	.0032	.0002
14306	.300	6049.0	25.80	.23	.1373	-.0018	.1621	.0001	.0015	.0033	.0001
14307	.300	6018.6	27.57	.28	.1432	-.0043	.1707	.0002	.0014	.0023	.0001
14308	.300	6015.9	29.56	.30	.1570	-.0060	.1862	.0002	.0020	.0042	.0005
14309	.300	6050.2	31.82	.37	.1740	-.0080	.2035	.0001	.0014	.0033	.0009
14310	.300	6029.7	33.55	.34	.1878	-.0097	.2168	.0001	.0010	.0027	.0011
14311	.300	6016.4	35.70	.36	.2052	-.0120	.2340	.0001	.0018	.0042	.0013
14312	.301	6056.2	37.58	.23	.2222	-.0139	.2505	.0000	.0023	.0051	.0014
14313	.300	6015.0	39.72	.21	.2403	-.0159	.2681	.0001	.0011	.0026	.0015
14314	.300	6044.9	41.50	.24	.2565	-.0178	.2841	.0000	-.0004	-.0005	.0015
14315	.300	6046.6	43.64	.22	.2760	-.0203	.3034	-.0000	-.0016	-.0021	.0015
14316	.300	6018.6	45.69	.26	.3006	-.0228	.3290	-.0001	-.0037	-.0043	.0015
14317	.301	6078.3	47.70	.28	.3208	-.0256	.3509	-.0003	-.0058	-.0051	.0014
14318	.299	5983.8	-.38	-0.00	-.0011	.0050	-.0015	.0000	.0010	.0014	.0002

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TEST TP	24 MACH	Q PA	RUN 143 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
14414	.300	6053.9	-4.3	-0.00	-0.0177	.0182	-.0044	.0006	-.0017	.0055	.0057
14415	.301	6069.7	-3.94	-0.01	-.1872	.0318	-.0327	.0009	-.0016	.0061	.0057
14416	.300	6052.0	-1.91	-0.00	-.0857	.0209	-.0149	.0011	-.0018	.0071	.0057
14417	.301	6077.7	-.63	-0.00	-.0049	.0189	-.0026	.0010	-.0017	.0064	.0057
14418	.301	6073.2	2.05	-0.01	.1195	.0204	.0162	.0011	-.0020	.0064	.0056
14419	.300	6040.6	4.04	-0.01	.2351	.0307	.0358	.0009	-.0021	.0056	.0057
14420	.300	6033.4	5.84	.00	.3747	.0508	.0591	.0013	-.0022	.0051	.0060
14421	.300	6054.0	7.86	.00	.5070	.0808	.0844	.0015	-.0022	.0044	.0064
14422	.300	6048.4	9.95	-.02	.6318	.1191	.1063	.0018	-.0024	.0050	.0066
14423	.300	6050.5	11.81	-0.00	.7789	.1703	.1332	.0020	-.0028	.0038	.0068
14424	.300	6026.0	13.90	-0.10	.9130	.2300	.1568	.0024	-.0025	.0048	.0071
14425	.300	6036.1	16.02	-0.02	1.0780	.3093	.1868	.0012	-.0019	.0011	.0073
14426	.300	6042.1	17.82	-.06	1.2635	.4023	.2153	.0010	-.0020	.0011	.0076
14427	.301	6076.2	19.98	-0.00	1.4295	.5115	.2461	.0015	-.0019	-.0021	.0080
14428	.302	6119.4	21.74	-0.00	1.5659	.6124	.2748	.0008	-.0019	-.0025	.0080
14429	.300	6029.5	23.95	.03	1.6374	.7137	.3129	.0196	-.0181	-.0049	.0078
14430	.300	6059.1	25.72	-.06	1.5964	.7559	.3383	.0009	-.0025	-.0027	.0077
14431	.300	6044.9	27.74	-0.00	1.6533	.8554	.3707	.0011	-.0034	-.0015	.0083
14432	.302	6109.1	29.86	-.05	1.6726	.9440	.3928	.0015	-.0025	-.0029	.0089
14433	.301	6067.4	31.64	-0.06	1.6821	1.0198	.4102	.0007	-.0017	-.0047	.0095
14434	.300	6053.2	33.53	-0.10	1.6866	1.1015	.4272	.0008	-.0001	-.0074	.0104
14435	.301	6072.2	35.67	-0.24	1.6920	1.1978	.4433	.0012	-.0012	-.0056	.0117
14436	.300	6057.2	37.71	-.40	1.6747	1.2759	.4545	.0008	-.0015	-.0043	.0130
14437	.300	6048.0	39.55	-.50	1.6455	1.3378	.4524	.0012	-.0010	-.0037	.0136
14438	.300	6058.4	-.43	-0.00	-.0060	.0188	-.0064	.0010	-.0011	.0156	.0056

TEST TP	24 MACH	Q PA	RUN 143 ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY
14414	.300	6053.9	-4.3	-0.00	-.0179	.0180	-.0044	.0006	-.0017	.0055
14415	.301	6069.7	-3.94	-0.01	-.1889	.0189	-.0327	.0008	-.0016	.0061
14416	.300	6052.0	-1.91	-0.00	-.0863	.0180	-.0149	.0011	-.0018	.0071
14417	.301	6077.7	-.63	-0.00	-.0051	.0188	-.0026	.0010	-.0018	.0064
14418	.301	6073.2	2.05	-0.01	.1202	.0161	.0162	.0011	-.0019	.0064
14419	.300	6040.6	4.04	-0.01	.2367	.0140	.0358	.0011	-.0020	.0056
14420	.300	6033.4	5.84	.00	.3779	.0124	.0591	.0015	-.0021	.0051
14421	.300	6054.0	7.86	.00	.5133	.0106	.0844	.0018	-.0020	.0044
14422	.300	6048.4	9.95	-.02	.6428	.0082	.1063	.0022	-.0021	.0050
14423	.300	6050.5	11.81	-0.00	.7972	.0073	.1332	.0025	-.0023	.0038
14424	.300	6026.0	13.90	-0.10	.9415	.0039	.1568	.0030	-.0018	.0048
14425	.300	6036.1	16.02	-0.02	1.1215	-.0002	.1868	.0017	-.0015	.0011
14426	.300	6042.1	17.82	-.06	1.3260	-.0038	.2153	.0016	-.0016	.0011
14427	.301	6076.2	19.98	-0.00	1.5183	-.0076	.2461	.0021	-.0012	-.0021
14428	.302	6119.4	21.74	-0.00	1.6814	-.0112	.2748	.0015	-.0015	-.0025
14429	.300	6029.5	23.95	.03	1.7861	-.0123	.3129	.0253	-.0086	.0049
14430	.300	6059.1	25.72	-.06	1.7663	-.0119	.3383	.0019	-.0019	-.0027
14431	.300	6044.9	27.74	-0.00	1.8615	-.0124	.3707	.0026	-.0025	-.0015
14432	.302	6109.1	29.86	-.05	1.9206	-.0141	.3928	.0025	-.0014	-.0029
14433	.301	6067.4	31.64	-0.06	1.9670	-.0141	.4102	.0015	-.0011	-.0047
14434	.300	6053.2	33.53	-0.10	2.0144	-.0133	.4272	.0007	.0004	-.0074
14435	.301	6072.2	35.67	-.24	2.0730	-.0136	.4433	.0017	-.0003	-.0056
14436	.300	6057.2	37.71	-.40	2.1053	-.0150	.4545	.0016	-.0007	-.0043
14437	.300	6048.0	39.55	-.50	2.1206	-.0162	.4524	.0015	-.0000	-.0037
14438	.300	6058.4	-.43	-0.00	-.0061	.0188	-.0064	.0010	-.0011	.0156

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TEST TP	24 MACH	Q PA	RUN 143		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
14414	.300	6053.9	-.43	-.01	-.0044	.0054	-.0043	.0002	.0006	.0013	.0007
14415	.301	6069.7	-3.94	-.06	-.0553	.0095	-.0494	.0003	.0006	.0011	-.0006
14416	.300	6052.0	-1.91	-.03	-.0233	.0061	-.0215	.0003	.0008	.0016	.0002
14417	.301	6077.7	-.63	-.01	-.0017	.0058	-.0020	.0002	.0006	.0011	.0008
14418	.301	6073.2	2.05	.02	.0334	.0064	.0290	.0003	.0005	.0009	.0016
14419	.300	6040.6	4.04	.05	.0709	.0101	.0608	.0003	.0003	.0007	.0026
14420	.300	6033.4	5.84	.08	.1155	.0174	.0993	.0004	.0002	.0005	.0040
14421	.300	6054.0	7.86	.10	.1623	.0278	.1405	.0005	.0001	.0002	.0056
14422	.300	6048.4	9.95	.11	.2054	.0409	.1788	.0005	.0001	.0004	.0074
14423	.300	6050.5	11.81	.15	.2566	.0582	.2252	.0005	-.0002	-.0001	.0097
14424	.300	6026.0	13.90	.08	.3030	.0784	.2680	.0006	.0001	.0007	.0119
14425	.300	6036.1	16.02	.19	.3598	.1060	.3212	.0004	-.0005	-.0007	.0151
14426	.300	6042.1	17.82	.17	.4202	.1376	.3783	.0005	-.0002	.0002	.0184
14427	.301	6076.2	19.97	.25	.4782	.1756	.4352	.0003	-.0008	-.0012	.0226
14428	.302	6119.4	21.74	.27	.5272	.2106	.4852	.0004	-.0009	-.0018	.0256
14429	.300	6029.5	23.94	.33	.5715	.2521	.5384	.0006	-.0025	-.0049	.0273
14430	.300	6059.1	25.72	.26	.5817	.2755	.5624	.0000	-.0014	-.0041	.0264
14431	.300	6044.9	27.73	.35	.6119	.3155	.6092	-.0001	-.0014	-.0042	.0276
14432	.302	6109.1	29.86	.32	.6274	.3497	.6415	-.0000	-.0006	-.0013	.0316
14433	.301	6067.4	31.63	.33	.6384	.3808	.6703	-.0003	-.0010	-.0018	.0342
14434	.300	6053.2	33.53	.31	.6494	.4152	.7021	-.0003	-.0010	-.0019	.0359
14435	.301	6072.2	35.67	.19	.6592	.4543	.7355	-.0002	-.0007	-.0010	.0376
14436	.300	6057.2	37.71	.06	.6587	.4862	.7584	-.0004	-.0009	-.0013	.0394
14437	.300	6048.0	39.55	-.02	.6453	.5056	.7647	-.0002	-.0007	-.0008	.0401
14438	.300	6058.4	-.43	-.01	-.0038	.0043	-.0042	.0002	.0016	.0032	.0004

TEST TP	24 MACH	Q PA	RUN 143		CN2	CA2	CM2	CRM2	CYM2	CY2	COC2
			ALPHA2 DEG	BETA2 DEG							
14414	.300	6053.9	-.43	-.01	-.0044	.0054	-.0043	.0002	.0006	.0013	.0002
14415	.301	6069.7	-3.94	-.06	-.0558	.0057	-.0494	.0003	.0005	.0011	-.0002
14416	.300	6052.0	-1.91	-.03	-.0235	.0053	-.0215	.0003	.0007	.0016	.0001
14417	.301	6077.7	-.63	-.01	-.0018	.0057	-.0020	.0002	.0006	.0011	.0002
14418	.301	6073.2	2.05	.02	.0336	.0052	.0290	.0003	.0005	.0009	.0004
14419	.300	6040.6	4.04	.05	.0714	.0050	.0608	.0003	.0004	.0007	.0007
14420	.300	6033.4	5.84	.08	.1167	.0056	.0993	.0004	.0003	.0005	.0010
14421	.300	6054.0	7.86	.10	.1645	.0054	.1405	.0004	.0001	.0002	.0014
14422	.300	6048.4	9.95	.11	.2094	.0048	.1788	.0004	.0002	.0004	.0019
14423	.300	6050.5	11.81	.15	.2631	.0044	.2252	.0005	-.0001	-.0001	.0025
14424	.300	6026.0	13.90	.08	.3129	.0033	.2680	.0005	.0002	.0007	.0030
14425	.300	6036.1	16.02	.19	.3751	.0026	.3212	.0005	-.0004	-.0007	.0039
14426	.300	6042.1	17.82	.17	.4421	.0024	.3783	.0005	-.0000	.0002	.0047
14427	.301	6076.2	19.97	.25	.5095	.0017	.4352	.0006	-.0007	-.0012	.0058
14428	.302	6119.4	21.74	.27	.5677	.0004	.4852	.0007	-.0007	-.0018	.0066
14429	.300	6029.5	23.94	.33	.6247	-.0015	.5384	.0016	-.0021	-.0049	.0070
14430	.300	6059.1	25.72	.26	.6436	-.0043	.5624	.0006	-.0013	-.0041	.0068
14431	.300	6044.9	27.73	.35	.6885	-.0055	.6092	.0006	-.0013	-.0042	.0071
14432	.302	6109.1	29.86	.32	.7182	-.0091	.6415	.0003	-.0005	-.0013	.0082
14433	.301	6067.4	31.63	.33	.7433	-.0106	.6703	.0003	-.0010	-.0018	.0088
14434	.300	6053.2	33.53	.31	.7707	-.0126	.7021	.0003	-.0010	-.0019	.0093
14435	.301	6072.2	35.67	.19	.8004	-.0153	.7355	.0002	-.0007	-.0010	.0097
14436	.300	6057.2	37.71	.06	.8185	-.0183	.7584	.0003	-.0010	-.0013	.0102
14437	.300	6048.0	39.55	-.02	.8196	-.0211	.7647	.0003	-.0007	-.0008	.0104
14438	.300	6058.4	-.43	-.01	-.0038	.0043	-.0042	.0002	.0016	.0032	.0001

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 145 ALPHA DEG	BETA DEG	CL	CD	CMS	CRMS	CYMS	CYS	CDC
14478	.301	6072.8	-.41	-.00	-.0192	.0182	-.0039	.0007	-.0013	.0020	.0057
14479	.299	6006.1	8.03	.01	.4965	.0796	.0834	.0015	-.0018	-.0001	.0063
14480	.301	6064.6	15.82	.05	1.0853	.3082	.1879	.0018	-.0020	-.0056	.0073
14481	.299	5987.2	21.92	.06	1.5709	.6196	.2784	.0011	-.0015	-.0109	.0080
14482	.300	6028.4	23.68	.06	1.7027	.7297	.3092	.0012	-.0016	-.0114	.0082
14483	.300	6024.9	25.75	.07	1.6083	.7643	.3438	.0009	-.0007	-.0119	.0076
14484	.300	6055.8	27.73	-.12	1.6542	.8557	.3743	.0009	.0002	-.0111	.0082
14485	.300	6021.1	29.67	.04	1.6786	.9414	.3958	.0013	.0004	-.0123	.0089
14486	.300	6055.4	31.79	.07	1.6849	1.0293	.4193	.0010	.0015	-.0151	.0098
14487	.299	6000.2	33.88	.04	1.6891	1.1190	.4298	.0008	.0021	-.0163	.0106
14488	.299	5988.0	35.56	.03	1.6760	1.1820	.4418	.0016	.0025	-.0155	.0116
14489	.301	6061.6	37.74	.02	1.6603	1.2665	.4519	.0020	.0029	-.0147	.0131
14490	.300	6026.7	39.46	.01	1.6506	1.3386	.4567	.0018	.0012	-.0139	.0129
14491	.300	6038.5	-.42	-.00	-.0136	.0188	-.0039	.0013	-.0014	.0050	.0056

TEST TP	24 MACH	Q PA	RUN 145 ALPHA DEG	BETA DEG	CN	CA	CM	CRM	CYM	CY
14478	.301	6072.8	-.41	-.00	-.0193	.0181	-.0039	.0007	-.0013	.0020
14479	.299	6006.1	8.03	.01	.5028	.0095	.0834	.0017	-.0015	-.0001
14480	.301	6064.6	15.82	.05	1.1282	.0007	.1879	.0022	-.0014	-.0056
14481	.299	5987.2	21.92	.06	1.6887	-.0117	.2784	.0015	-.0010	-.0109
14482	.300	6028.4	23.68	.06	1.8524	-.0158	.3092	.0017	-.0010	-.0114
14483	.300	6024.9	25.75	.07	1.7807	-.0104	.3438	.0011	-.0002	-.0119
14484	.300	6056.8	27.73	-.12	1.8624	-.0121	.3743	.0007	.0005	-.0111
14485	.300	6021.1	29.67	.04	1.9245	-.0130	.3958	.0009	.0010	-.0123
14486	.300	6055.4	31.79	.07	1.9744	-.0127	.4153	.0000	.0018	-.0151
14487	.299	6000.2	33.88	.04	2.0261	-.0127	.4298	-.0005	.0022	-.0163
14488	.299	5988.0	35.56	.03	2.0509	-.0132	.4418	-.0001	.0030	-.0155
14489	.301	6061.6	37.74	.02	2.0882	-.0148	.4519	-.0002	.0035	-.0147
14490	.300	6026.7	39.46	.01	2.1251	-.0156	.4567	.0007	.0021	-.0139
14491	.300	6038.5	-.42	-.00	-.0137	.0187	-.0039	.0013	-.0014	.0050

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 145 ALPHA DEG	BETA DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
14478	.301	6072.8	-.41	-.01	-.0043	.0052	-.0045	.0002	.0001	.0000	.0005
14479	.299	6006.1	8.03	.12	.1642	.0277	.1404	.0005	.0004	.0004	.0054
14480	.301	6064.6	15.81	.25	.3699	.1067	.3266	.0003	-.0006	-.0014	.0139
14481	.299	5987.2	21.92	.34	.5403	.2143	.4935	.0001	-.0010	-.0023	.0254
14482	.300	6028.4	23.68	.36	.5881	.2535	.5441	.0000	-.0009	-.0022	.0285
14483	.300	6024.9	25.75	.40	.5958	.2809	.5732	-.0001	-.0006	-.0020	.0261
14484	.300	6056.8	27.73	.22	.6220	.3184	.6150	-.0002	-.0004	-.0017	.0267
14485	.300	6021.1	29.67	.41	.6363	.3524	.6475	-.0000	-.0002	-.0011	.0295
14486	.300	6055.4	31.78	.46	.6474	.3887	.6800	-.0004	-.0007	-.0018	.0321
14487	.299	6000.2	33.88	.46	.6569	.4253	.7123	-.0005	-.0009	-.0021	.0337
14488	.299	5988.0	35.56	.47	.6594	.4527	.7325	-.0004	-.0005	-.0012	.0353
14489	.301	6061.6	37.74	.48	.6580	.4853	.7558	-.0003	-.0003	-.0007	.0378
14490	.300	6026.7	39.46	.49	.6536	.5097	.7714	-.0006	-.0008	-.0017	.0399
14491	.300	6038.5	-.42	-.01	-.0021	.0054	-.0033	.0003	.0005	.0004	.0006

TEST TF	24 MACH	Q PA	RUN 145 ALPHA DEG	BETA DEG	CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
14478	.301	6072.8	-.41	-.01	-.0044	.0051	-.0045	.0002	.0001	.0000	.0001
14479	.299	6006.1	8.03	.12	.1664	.0045	.1404	.0004	.0004	.0004	.0014
14480	.301	6064.6	15.81	.25	.3850	.0019	.3266	.0005	-.0005	-.0014	.0035
14481	.299	5987.2	21.92	.34	.5812	-.0029	.4935	.0004	-.0009	-.0023	.0065
14482	.300	6028.4	23.68	.36	.6404	-.0041	.5441	.0004	-.0008	-.0022	.0073
14483	.300	6024.9	25.75	.40	.6587	-.0059	.5732	.0001	-.0006	-.0020	.0067
14484	.300	6056.8	27.73	.22	.6987	-.0075	.6150	-.0000	-.0004	-.0017	.0068
14485	.300	6021.1	29.67	.41	.7273	-.0088	.6475	.0001	-.0002	-.0011	.0076
14486	.300	6055.4	31.78	.46	.7551	-.0106	.6800	.0001	-.0008	-.0018	.0083
14487	.299	6000.2	33.88	.46	.7825	-.0131	.7123	.0001	-.0011	-.0021	.0087
14488	.299	5988.0	35.56	.47	.7997	-.0152	.7325	-.0001	-.0006	-.0012	.0091
14489	.301	6061.6	37.74	.48	.8174	-.0190	.7558	-.0001	-.0004	-.0007	.0097
14490	.300	6026.7	39.46	.49	.8286	-.0219	.7714	.0000	-.0010	-.0017	.0103
14491	.300	6038.5	-.42	-.01	-.0021	.0054	-.0033	.0003	.0005	.0004	.0002

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7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 146			CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG								
14503	.300	6037.1	-0.40	-0.00	-.0042	.0133	-.0038	.0006	-.0012	.0016	.0060	
14504	.300	6050.9	-3.84	-0.01	-.0484	.0178	-.0441	.0006	-.0008	.0002	.0059	
14505	.301	6069.8	-1.81	-0.00	-.0147	.0155	-.0149	.0007	-.0011	.0021	.0060	
14506	.301	6062.6	-.64	-0.00	-.0035	.0149	-.0022	.0006	-.0012	.0015	.0060	
14507	.301	6067.6	1.95	.00	.0252	.0146	.0241	.0006	-.0014	.0016	.0061	
14508	.301	6077.0	3.94	.01	.0552	.0169	.0501	.0006	-.0015	.0023	.0066	
14509	.300	6050.3	5.85	.01	.0870	.0215	.0763	.0006	-.0014	.0020	.0068	
14510	.300	6046.1	8.07	.01	.1227	.0284	.1058	.0005	-.0014	.0019	.0070	
14511	.300	6038.0	9.82	.03	.1601	.0387	.1375	.0003	-.0015	.0023	.0073	
14512	.301	6077.9	11.94	.02	.1939	.0500	.1681	.0003	-.0014	.0022	.0079	
14513	.301	6070.6	13.80	.04	.2347	.0662	.2072	.0001	-.0014	.0014	.0086	
14514	.300	6039.3	15.88	.06	.2732	.0850	.2464	-.0001	-.0014	.0014	.0092	
14515	.300	6033.2	17.99	.05	.3055	.1038	.2809	-.0001	-.0012	.0017	.0098	
14516	.300	6023.4	19.90	.04	.3405	.1262	.3163	-.0002	-.0009	.0009	.0105	
14517	.299	6018.5	21.68	.08	.3806	.1525	.3575	-.0004	-.0012	.0011	.0115	
14518	.300	6055.5	23.81	.06	.4112	.1793	.3910	-.0005	-.0012	.0018	.0124	
14519	.299	5992.9	25.62	.05	.4431	.2091	.4282	-.0008	-.0012	.0019	.0132	
14520	.299	6007.5	27.70	.05	.4560	.2345	.4542	-.0007	-.0013	.0021	.0136	
14521	.299	6004.4	29.85	.09	.4763	.2669	.4850	-.0006	-.0007	.0013	.0140	
14522	.299	6020.4	31.73	.07	.4929	.2965	.5118	-.0008	-.0010	.0031	.0142	
14523	.300	6053.7	33.72	.01	.5053	.3251	.5332	-.0008	-.0009	.0026	.0143	
14524	.301	6069.4	35.80	.03	.5273	.3657	.5667	-.0012	-.0018	.0044	.0146	
14525	.300	6031.3	37.80	.02	.5386	.3988	.5876	-.0018	-.0026	.0074	.0146	
14526	.300	6032.2	39.79	.01	.5558	.4412	.6170	-.0018	-.0023	.0079	.0149	
14527	.301	6066.9	41.77	-.08	.5667	.4797	.6435	-.0025	-.0032	.0060	.0150	
14528	.300	6050.6	43.68	.02	.5765	.5204	.6684	-.0032	-.0035	.0073	.0150	
14529	.299	6020.1	45.40	-.02	.5830	.5568	.6900	-.0040	-.0039	.0079	.0148	
14530	.299	6004.0	47.58	-.06	.5824	.5959	.7083	-.0037	-.0033	.0090	.0146	
14531	.361	6064.5	-.38	-0.00	-.0042	.0138	-.0043	.0006	-.0012	.0040	.0060	

TEST TP	24 MACH	Q PA	RUN 146			CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG							
14503	.300	6037.1	-0.40	-0.00	-.0043	.0133	-.0038	.0006	-.0012	.0016	
14504	.300	6050.9	-3.84	-0.01	-.0495	.0145	-.0441	.0006	-.0008	.0002	
14505	.301	6069.8	-1.81	-0.00	-.0152	.0150	-.0149	.0006	-.0011	.0021	
14506	.301	6062.6	-.64	-0.00	-.0037	.0148	-.0022	.0006	-.0012	.0015	
14507	.301	6067.6	1.95	.00	.0257	.0138	.0241	.0006	-.0014	.0016	
14508	.301	6077.0	3.94	.01	.0563	.0131	.0501	.0007	-.0014	.0023	
14509	.300	6050.3	5.85	.01	.0888	.0125	.0763	.0007	-.0013	.0020	
14510	.300	6046.1	8.07	.01	.1255	.0109	.1058	.0007	-.0013	.0019	
14511	.300	6038.0	9.82	.03	.1644	.0109	.1375	.0006	-.0014	.0023	
14512	.301	6077.9	11.94	.02	.2001	.0088	.1681	.0005	-.0014	.0022	
14513	.301	6070.6	13.80	.04	.2437	.0084	.2072	.0004	-.0014	.0014	
14514	.300	6039.3	15.88	.06	.2861	.0070	.2464	.0003	-.0014	.0014	
14515	.300	6033.2	17.99	.05	.3226	.0044	.2809	.0003	-.0011	.0017	
14516	.300	6023.4	19.90	.04	.3631	.0028	.3163	.0001	-.0009	.0009	
14517	.299	6018.5	21.68	.08	.4100	.0011	.3575	.0001	-.0013	.0011	
14518	.300	6055.5	23.81	.06	.4486	-.0020	.3910	.0001	-.0013	.0018	
14519	.299	5992.9	25.62	.05	.4900	-.0030	.4282	-.0002	-.0014	.0019	
14520	.299	6007.5	27.70	.05	.5127	-.0043	.4542	-.0000	-.0014	.0021	
14521	.299	6004.4	29.85	.09	.5460	-.0056	.4850	-.0001	-.0009	.0013	
14522	.299	6020.4	31.73	.07	.5751	-.0071	.5118	-.0002	-.0013	.0031	
14523	.300	6053.7	33.72	.01	.6008	-.0101	.5332	-.0001	-.0012	.0026	
14524	.301	6069.4	35.80	.03	.6416	-.0118	.5667	.0001	-.0021	.0044	
14525	.300	6031.3	37.80	.02	.6701	-.0149	.5876	.0002	-.0032	.0074	
14526	.300	6032.2	39.79	.01	.7095	-.0167	.6170	.0000	-.0029	.0079	
14527	.301	6066.9	41.77	-.08	.7423	-.0198	.6435	.0003	-.0041	.0060	
14528	.300	6050.6	43.68	.02	.7764	-.0218	.6684	.0002	-.0047	.0073	
14529	.299	6020.1	45.40	-.02	.8058	-.0242	.6900	.0000	-.0056	.0079	
14530	.299	6004.0	47.58	-.06	.8328	-.0279	.7083	-.0000	-.0049	.0090	
14531	.301	6064.5	-.38	-0.00	-.0043	.0138	-.0043	.0006	-.0012	.0040	

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## 7 X 10 HIGH SPEED TUNNEL

TEST TP	24 MACH	Q PA	RUN 146		CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2
			ALPHA2 DEG	BETA2 DEG							
14503	.300	6037.1	-4.40	-.01	-.0023	.0074	-.0023	.0002	.0002	.0000	.0010
14504	.300	6050.9	-3.84	-.06	-.0443	.0102	-.0438	.0003	.0002	-.0001	.0011
14505	.301	6069.8	-1.81	-.03	-.0137	.0086	-.0140	.0002	.0004	.0003	.0010
14506	.301	6062.6	-.64	-.01	-.0017	.0082	-.0019	.0002	.0002	-.0000	.0010
14507	.301	6067.6	1.95	.03	.0246	.0087	.0250	.0003	.0002	.0002	.0011
14508	.301	6077.0	3.94	.06	.0526	.0110	.0518	.0003	.0002	.0002	.0012
14509	.300	6050.3	5.85	.09	.0803	.0151	.0789	.0003	.0002	.0003	.0014
14510	.300	6046.1	8.07	.12	.1118	.0216	.1099	.0004	.0002	.0003	.0014
14511	.300	6038.0	9.82	.15	.1448	.0306	.1432	.0003	.0000	.0001	.0015
14512	.301	6077.9	11.93	.17	.1751	.0411	.1741	.0003	.0001	.0002	.0015
14513	.301	6070.6	13.79	.22	.2130	.0558	.2136	.0002	-.0003	-.0005	.0016
14514	.300	6039.3	15.88	.26	.2486	.0730	.2522	.0002	-.0004	-.0007	.0017
14515	.300	6033.2	17.98	.28	.2793	.0911	.2866	.0001	-.0004	-.0006	.0020
14516	.300	6023.4	19.90	.30	.3107	.1111	.3224	.0001	-.0004	-.0006	.0023
14517	.299	6018.5	21.68	.35	.3460	.1349	.3637	-.0000	-.0006	-.0010	.0026
14518	.300	6055.5	23.81	.36	.3734	.1600	.3982	-.0000	-.0003	-.0007	.0026
14519	.299	5992.9	25.61	.37	.4009	.1863	.4365	-.0003	.0001	-.0001	.0019
14520	.299	6007.5	27.70	.40	.4090	.2081	.4616	-.0002	-.0001	-.0004	.0022
14521	.299	6004.4	29.85	.46	.4249	.2363	.4918	-.0001	.0000	-.0003	.0025
14522	.299	6020.4	31.73	.47	.4375	.2610	.5170	-.0002	-.0001	-.0001	.0031
14523	.300	6053.7	33.72	.42	.4470	.2853	.5379	-.0002	-.0003	-.0004	.0048
14524	.301	6069.4	35.79	.47	.4653	.3187	.5719	-.0002	-.0002	-.0001	.0067
14525	.300	6031.3	37.79	.47	.4721	.3461	.5935	-.0002	-.0002	-.0001	.0068
14526	.300	6032.2	39.79	.49	.4839	.3801	.6242	-.0000	.0001	.0006	.0070
14527	.301	6066.9	41.77	.42	.4927	.4137	.6531	-.0007	-.0009	-.0015	.0068
14528	.300	6050.6	43.68	.54	.4997	.4468	.6812	-.0013	-.0012	-.0021	.0064
14529	.299	6020.1	45.40	.51	.5034	.4759	.7056	-.0015	-.0012	-.0017	.0061
14530	.299	6004.0	47.58	.49	.5009	.5075	.7288	-.0012	-.0006	-.0000	.0055
14531	.301	6064.5	-.38	-.01	-.0034	.0074	-.0035	.0002	.0006	.0008	.0011

TEST TP	24 MACH	Q PA	RUN 146		CN2	CA2	CM2	CRM2	CYM2	CY2	CDC2
			ALPHA2 DEG	BETA2 DEG							
14503	.300	6037.1	-4.40	-.01	-.0024	.0074	-.0023	.0002	.0002	.0000	.0003
14504	.300	6050.9	-3.84	-.06	-.0448	.0072	-.0438	.0003	.0002	-.0001	.0003
14505	.301	6069.8	-1.81	-.03	-.0139	.0081	-.0140	.0002	.0004	.0003	.0003
14506	.301	6062.6	-.64	-.01	-.0018	.0082	-.0019	.0002	.0002	-.0000	.0003
14507	.301	6067.6	1.95	.03	.0248	.0078	.0250	.0003	.0002	.0002	.0003
14508	.301	6077.0	3.94	.06	.0532	.0074	.0518	.0003	.0003	.0002	.0003
14509	.300	6050.3	5.85	.09	.0814	.0068	.0789	.0003	.0003	.0003	.0003
14510	.300	6046.1	8.07	.12	.1137	.0057	.1099	.0004	.0003	.0003	.0003
14511	.300	6038.0	9.82	.15	.1479	.0054	.1432	.0003	.0001	.0001	.0003
14512	.301	6077.9	11.93	.17	.1798	.0040	.1741	.0003	.0001	.0002	.0003
14513	.301	6070.6	13.79	.22	.2201	.0034	.2136	.0003	-.0003	-.0005	.0004
14514	.300	6039.3	15.88	.26	.2591	.0022	.2522	.0003	-.0003	-.0007	.0004
14515	.300	6033.2	17.98	.28	.2938	.0004	.2866	.0002	-.0003	-.0006	.0004
14516	.300	6023.4	19.90	.30	.3300	-.0013	.3224	.0002	-.0003	-.0006	.0005
14517	.299	6018.5	21.68	.35	.3714	-.0025	.3637	.0002	-.0005	-.0010	.0006
14518	.300	6055.5	23.81	.36	.4062	-.0044	.3982	.0001	-.0003	-.0007	.0006
14519	.299	5992.9	25.61	.37	.4420	-.0053	.4365	-.0003	-.0001	-.0001	.0004
14520	.299	6007.5	27.70	.40	.4588	-.0059	.4616	-.0002	-.0002	-.0004	.0005
14521	.299	6004.4	29.85	.46	.4861	-.0065	.4918	-.0001	-.0000	-.0003	.0006
14522	.299	6020.4	31.73	.47	.5094	-.0080	.5170	-.0001	-.0002	-.0001	.0007
14523	.300	6053.7	33.72	.42	.5302	-.0108	.5379	-.0000	-.0004	-.0004	.0012
14524	.301	6069.4	35.79	.47	.5638	-.0137	.5719	-.0000	-.0003	-.0001	.0016
14525	.300	6031.3	37.79	.47	.5852	-.0158	.5935	-.0000	-.0003	-.0001	.0017
14526	.300	6032.2	39.79	.49	.6151	-.0176	.6242	-.0001	-.0000	.0006	.0017
14527	.301	6066.9	41.77	.42	.6431	-.0197	.6531	.0000	-.0011	-.0015	.0017
14528	.300	6050.6	43.68	.54	.6700	-.0219	.6812	-.0002	-.0018	-.0021	.0016
14529	.299	6020.1	45.40	.51	.6923	-.0243	.7056	-.0002	-.0019	-.0017	.0015
14530	.299	6004.0	47.58	.49	.7125	-.0273	.7288	-.0004	-.0013	-.0000	.0013
14531	.301	6064.5	-.38	-.01	-.0034	.0074	-.0035	.0002	.0006	.0008	.0003

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TEST TP	24 MACH	Q PA	RUN 151		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
14630	.300	6070.3	-.42	-.00	-.0132	.0168	-.0028	.0010	-.0014	.0006	.0056
14631	.300	6075.4	-3.94	-.03	-.1665	.0278	-.0040	.0011	-.0011	.0010	.0058
14632	.300	6082.9	-1.85	-.01	-.0644	.0197	-.0032	.0010	-.0014	.0005	.0057
14633	.301	6088.7	-.62	-.00	-.0064	.0175	-.0024	.0009	-.0016	.0000	.0056
14634	.300	6066.7	2.12	.01	.1289	.3197	-.0018	.0011	-.0016	-.0011	.0056
14635	.300	6071.7	3.88	.04	.2225	.0265	-.0007	.0012	-.0020	-.0028	.0058
14636	.299	6035.1	6.01	.05	.3383	.0433	-.0023	.0017	-.0022	-.0036	.0062
14637	.300	6058.6	7.75	.07	.4284	.0647	-.0073	.0015	-.0021	-.0045	.0066
14638	.300	6065.4	10.09	.08	.5315	.0996	-.0174	.0012	-.0023	-.0052	.0071
14639	.300	6065.3	11.86	.09	.6110	.1342	-.0310	.0009	-.0023	-.0051	.0073
14640	.300	6074.3	13.73	.10	.6804	.1752	-.0505	.0011	-.0024	-.0056	.0072
14641	.300	6070.6	15.96	.15	.6936	.2181	-.0810	.0070	-.0144	.0004	.0080
14642	.301	6094.8	17.68	.11	.6897	.2421	-.0894	.0013	-.0022	-.0052	.0076
14643	.301	6106.4	19.88	.14	.7283	.2867	-.0949	.0052	-.0106	-.0008	.0078
14644	.301	6107.3	21.65	.15	.7611	.3233	-.1003	.0060	-.0152	.0043	.0081
14645	.300	6072.0	23.63	.14	.8139	-.3764	-.1112	.0076	-.0222	.0114	.0090
14646	.300	6082.3	25.82	.17	.8593	.4332	-.1215	.0094	-.0287	.0122	.0100
14647	.301	6105.8	27.82	.15	.9044	.4896	-.1283	.0147	-.0395	.0137	.0109
14648	.301	6091.8	29.44	.22	.9246	.5325	-.1332	.0156	-.0419	.0099	.0122
14649	.300	6078.9	31.56	.26	.9316	.5807	-.1368	.0153	-.0374	-.0030	.0146
1465	.300	6052.5	33.63	.30	.9404	.6319	-.1403	.0149	-.0296	-.0105	.0175
14651	.300	6056.1	35.71	.28	.9498	.6880	-.1459	.0124	-.0267	.0084	.0208
14652	.301	6097.2	37.75	.21	.9483	.7346	-.1409	-.0049	.0099	.0493	.0238
14653	.300	6082.6	39.77	.22	.9428	.7818	-.1435	-.0032	.0075	.0446	.0264
14654	.299	6045.1	41.65	.35	.9249	.8176	-.1443	-.0016	.0062	.0351	.0277
14655	.299	6027.4	43.57	.32	.9345	.8827	-.1576	-.0020	.0024	.0172	.0276
14656	.300	6058.3	45.78	.38	.9254	.9384	-.1655	.0101	-.0130	-.0241	.0271
14657	.300	6064.5	47.53	.52	.9131	.9808	-.1656	.0026	-.0153	-.0376	.0274
14658	.301	6103.7	-.42	-.00	-.0089	.0173	-.0036	.0012	-.0014	.0007	.0056

TEST TP	24 MACH	Q PA	RUN 151		CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
14630	.300	6070.3	-.42	-.00	-.0134	.0167	-.0028	.0010	-.0014	.0006
14631	.300	6075.4	-3.94	-.03	-.1660	.0162	-.0040	.0010	-.0012	.0010
14632	.300	6082.9	-1.85	-.01	-.0650	.0176	-.0032	.0009	-.0014	.0005
14633	.301	6088.7	-.62	-.00	-.0066	.0175	-.0024	.0009	-.0016	.0000
14634	.300	6066.7	2.12	.01	.1295	.0149	-.0018	.0011	-.0016	-.0011
14635	.300	6071.7	3.88	.04	.2237	.0114	-.0007	.0013	-.0019	-.0028
14636	.299	6035.1	6.01	.05	.3410	.0077	-.0023	.0019	-.0020	-.0036
14637	.300	6058.6	7.75	.07	.4332	.0064	-.0073	.0018	-.0019	-.0045
14638	.300	6065.4	10.09	.08	.5407	.0050	-.0174	.0016	-.0020	-.0052
14639	.300	6065.3	11.86	.09	.6255	.0057	-.0310	.0014	-.0021	-.0051
14640	.300	6074.3	13.73	.10	.7025	.0087	-.0505	.0016	-.0020	-.0056
14641	.300	6070.6	15.96	.15	.7269	.0190	-.0810	.0107	-.0119	.0004
14642	.301	6094.8	17.68	.11	.7307	.0213	-.0894	.0019	-.0017	-.0052
14643	.301	6106.4	19.88	.14	.7824	.0219	-.0949	.0085	-.0082	-.0008
14644	.301	6107.3	21.65	.15	.8267	.0196	-.1003	.0112	-.0119	.0043
14645	.300	6072.0	23.63	.14	.8965	.0186	-.1112	.0158	-.0175	.0114
14646	.300	6082.3	25.82	.17	.9621	.0157	-.1215	.0210	-.0217	.0122
14647	.301	6105.8	27.82	.15	1.0284	.0108	-.1283	.0314	-.0281	.0137
14648	.301	6091.8	29.44	.22	1.0669	.0092	-.1332	.0342	-.0288	.0099
14649	.300	6078.9	31.56	.26	1.0977	.0072	-.1368	.0326	-.0238	-.0030
14650	.300	6052.5	33.63	.30	1.1330	.0053	-.1403	.0288	-.0164	-.0105
14651	.300	6056.1	35.71	.28	1.1728	.0042	-.1459	.0256	-.0145	.0084
14652	.301	6097.2	37.75	.21	1.1995	.0003	-.1409	-.0100	.0048	.0493
14653	.300	6082.6	39.77	.22	1.2248	-.0022	-.1435	-.0073	.0037	.0446
14654	.299	6045.1	41.65	.35	1.2345	-.0039	-.1443	-.0053	.0035	.0351
14655	.299	6027.4	43.57	.32	1.2855	-.0046	-.1576	-.0031	.0004	.0172
14656	.300	6058.3	45.78	.38	1.3179	-.0086	-.1655	.0164	-.0019	-.0241
14657	.300	6064.5	47.53	.52	1.3399	-.0113	-.1656	.0130	-.0084	-.0376
14658	.301	6103.7	-.42	-.00	-.0090	.0173	-.0036	.0012	-.0014	.0007



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TEST 24		RUN 151										
TP	MACH	Q PA	ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2	
14630	.300	6070.3	-4.2	-.01	-.0010	.0039	-.0018	-.0000	-.0001	-.0003	-.0029	
14631	.300	6075.4	-3.94	-.08	-.0089	.0050	-.0145	.0000	-.0001	-.0004	-.0027	
14632	.300	6082.9	-1.85	-.04	-.0033	.0044	-.0057	-.0000	-.0000	-.0002	-.0028	
14632	.301	6088.7	-.62	-.01	-.0009	.0044	-.0013	.0000	-.0000	-.0002	-.0028	
14634	.300	6066.7	2.12	.04	.0063	.0047	.0102	-.0000	-.0000	-.0001	-.0028	
14635	.300	6071.7	3.88	.09	.0112	.0050	.0180	-.0000	-.0001	-.0004	-.0025	
14636	.299	6035.1	6.01	.13	.0167	.0059	.0267	-.0000	-.0002	-.0006	-.0021	
14637	.300	6058.6	7.74	.17	.0216	.0068	.0343	-.0000	-.0003	-.0006	-.0016	
14638	.300	6065.4	10.09	.21	.0278	.0079	.0436	-.0000	-.0001	-.0004	-.0011	
14639	.300	6065.3	11.86	.24	.0324	.0091	.0509	.0000	.0001	.0001	-.0012	
14640	.300	6074.3	13.73	.28	.0372	.0108	.0585	-.0000	.0000	-.0001	-.0014	
14641	.300	6070.6	15.96	.35	.0417	.0132	.0673	-.0002	-.0007	-.0018	-.0026	
14642	.301	6094.8	17.67	.34	.0447	.0144	.0728	-.0000	.0000	.0001	-.0031	
14643	.301	6106.4	19.88	.39	.0510	.0174	.0826	-.0001	-.0001	-.0004	-.0027	
14644	.301	6107.3	21.65	.43	.0553	.0193	.0890	-.0000	-.0000	-.0001	-.0024	
14645	.300	6072.0	23.63	.44	.0615	.0231	.0987	.0001	.0002	.0006	-.0016	
14646	.300	6082.3	25.81	.49	.0672	.0270	.1081	.0001	.0002	.0008	-.0008	
14647	.301	6105.8	27.82	.50	.0721	.0306	.1158	.0005	.0008	.0023	.0002	
14648	.301	6091.8	29.44	.59	.0761	.0342	.1227	.0006	.0008	.0026	.0007	
14649	.300	6078.9	31.56	.65	.0810	.0386	.1313	.0002	.0002	.0012	.0013	
14650	.300	6052.5	33.63	.72	.0858	.0433	.1398	.0002	.0002	.0014	.0019	
14651	.300	6056.1	35.70	.72	.0913	.0498	.1501	.0023	.0029	.0104	.0023	
14652	.301	6097.2	37.75	.66	.0951	.0554	.1571	.0058	.0074	.0239	.0024	
14653	.300	6082.6	39.76	.70	.0994	.0608	.1655	.0054	.0064	.0219	.0031	
14654	.299	6045.1	41.65	.85	.1022	.0650	.1714	.0048	.0053	.0195	.0038	
14655	.299	6027.4	43.57	.83	.1061	.0707	.1793	.0019	.0020	.0104	.0048	
14656	.300	6058.3	45.77	.91	.1088	.0761	.1857	-.0005	-.0006	.0033	.0054	
14657	.300	6064.5	47.52	1.07	.1119	.0824	.1936	-.0062	-.0057	-.0114	.0056	
14658	.301	6103.7	-.42	-.01	-.0017	.0042	-.0025	.0000	-.0001	-.0003	-.0028	

TEST 24		RUN 151										
TP	MACH	Q PA	ALPHA2 DEG	BETA2 DEG	CL2	CD2	CMS2	CRMS2	CYMS2	CYS2	CDB2	
14630	.300	6070.3	-4.2	-.01	-.0011	.0038	-.0018	-.0000	-.0001	-.0003	-.0007	
14631	.300	6075.4	-3.94	-.08	-.0092	.0044	-.0145	.0000	-.0001	-.0004	-.0007	
14632	.300	6082.9	-1.85	-.04	-.0034	.0043	-.0057	-.0000	-.0000	-.0002	-.0007	
14633	.301	6088.7	-.62	-.01	-.0009	.0044	-.0013	.0000	-.0000	-.0002	-.0007	
14634	.300	6066.7	2.12	.04	.0064	.0044	.0102	.0000	-.0000	-.0001	-.0007	
14635	.300	6071.7	3.88	.09	.0115	.0042	.0180	-.0000	-.0001	-.0004	-.0007	
14636	.299	6035.1	6.01	.13	.0173	.0041	.0267	-.0000	-.0002	-.0006	-.0006	
14637	.300	6058.6	7.74	.17	.0223	.0038	.0343	-.0000	-.0003	-.0006	-.0004	
14638	.300	6065.4	10.09	.21	.0288	.0029	.0436	-.0000	-.0001	-.0004	-.0003	
14639	.300	6065.3	11.86	.24	.0336	.0022	.0509	-.0000	.0001	.0001	-.0004	
14640	.300	6074.3	13.73	.28	.0387	.0017	.0585	-.0000	.0000	-.0001	-.0004	
14641	.300	6070.6	15.96	.35	.0437	.0012	.0673	-.0000	-.0008	-.0018	-.0007	
14642	.301	6094.8	17.67	.34	.0470	.0002	.0728	-.0000	.0000	.0001	-.0009	
14643	.301	6106.4	19.88	.39	.0539	-.0010	.0826	-.0000	-.0002	-.0004	-.0007	
14644	.301	6107.3	21.65	.43	.0585	-.0025	.0890	-.0000	-.0000	-.0001	-.0007	
14645	.300	6072.0	23.63	.44	.0656	-.0035	.0987	.0000	.0002	.0006	-.0005	
14646	.300	6082.3	25.81	.49	.0723	-.0050	.1081	.0000	.0003	.0008	-.0003	
14647	.301	6105.8	27.82	.50	.0780	-.0066	.1158	.0001	.0009	.0023	-.0000	
14648	.301	6091.8	29.44	.59	.0830	-.0076	.1227	.0001	.0010	.0026	.0001	
14649	.300	6078.9	31.56	.65	.0892	-.0095	.1313	.0001	.0003	.0012	.0002	
14650	.300	6052.5	33.63	.72	.0954	-.0114	.1398	.0001	.0002	.0014	.0004	
14651	.300	6056.1	35.70	.72	.1032	-.0129	.1501	.0002	.0037	.0104	.0005	
14652	.301	6097.2	37.75	.66	.1091	-.0144	.1571	.0001	.0093	.0239	.0006	
14653	.300	6082.6	39.76	.70	.1152	-.0168	.1655	.0000	.0084	.0219	.0007	
14654	.299	6045.1	41.65	.85	.1196	-.0193	.1714	.0000	.0071	.0195	.0009	
14655	.299	6027.4	43.57	.83	.1256	-.0219	.1793	-.0000	.0028	.0104	.0011	
14656	.300	6058.3	45.77	.91	.1304	-.0248	.1857	.0001	-.0008	.0033	.0012	
14657	.300	6064.5	47.52	1.07	.1363	-.0270	.1936	.0000	-.0085	-.0114	.0013	
14658	.301	6103.7	-.42	-.01	-.0018	.0041	-.0025	.0000	-.0001	-.0003	-.0007	

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TEST TP	24 MACH	Q PA	RUN 154		CL	CD	CMS	CRMS	CYMS	CYS	CDC
			ALPHA DEG	BETA DEG							
14709	.300	6049.6	-4.1	-.00	-.0241	.0163	.0033	.0006	-.0015	.0031	.0057
14710	.300	6052.9	-3.98	-.01	-.2031	.0283	.0225	.0001	-.0013	.0051	.0057
14711	.300	6058.8	-2.15	-.01	-.0933	.0205	.0103	.0006	-.0014	.0041	.0057
14712	.300	6053.9	-.62	-.00	-.0125	.0178	.0016	.0005	-.0015	.0036	.0057
14713	.300	6049.7	2.14	.00	.1240	.0199	-.0132	.0003	-.0016	.0027	.0056
14714	.300	6042.8	4.11	.00	.2246	.0272	-.0250	.0010	-.0015	.0023	.0058
14715	.300	6074.1	5.93	.02	.3322	.0430	-.0380	.0008	-.0017	.0004	.0061
14716	.300	6072.3	7.94	.03	.4265	.0656	-.0488	.0008	-.0017	-.0003	.0065
14717	.300	6073.0	9.73	.05	.5170	.0953	-.0600	.0008	-.0018	-.0017	.0071
14718	.300	6045.4	11.86	.05	.5995	.1314	-.0750	.0004	-.0017	-.0014	.0074
14719	.300	6047.1	13.99	.08	.7013	.1830	-.0999	.0004	-.0017	-.0019	.0072
14720	.301	6080.9	15.96	.08	.7559	.2274	-.1269	.0002	-.0008	-.0008	.0071
14721	.300	6068.4	17.82	.09	.7700	.2644	-.1506	.0000	-.0002	-.0039	.0078
14722	.300	6057.0	19.82	.07	.7797	.3027	-.1623	.0016	-.0023	-.0020	.0076
14723	.301	6104.2	21.68	.13	.7705	.3259	-.1619	.0077	-.0185	.0073	.0079
14724	.300	6067.0	23.82	.16	.8073	.3761	-.1731	.0065	-.0205	.0116	.0088
14725	.300	6047.6	25.93	.20	.8664	.4376	-.1921	.0076	-.0313	.0191	.0099
14726	.299	6032.5	27.93	.17	.9175	.4981	-.2095	.0116	-.0433	.0230	.0109
14727	.300	6043.0	29.74	.25	.9437	.5494	-.2191	.0123	-.0437	.0164	.0129
14728	.300	6066.3	31.71	.28	.9451	.5910	-.2239	.0109	-.0383	.0058	.0147
14729	.299	6022.5	33.87	.30	.9576	.6482	-.2311	.0104	-.0287	-.0044	.0178
14730	.301	6101.1	35.59	.28	.9560	.6874	-.2345	.0096	-.0255	.0103	.0200
14731	.301	6102.7	37.68	.18	.9646	.7449	-.2366	-.0037	.0153	.0328	.0226
14732	.300	6050.1	39.88	.28	.9589	.7988	-.2425	.0080	-.0151	-.0093	.0245
14733	.301	6086.9	41.56	.31	.9317	.8179	-.2256	.0031	-.0073	-.0452	.0262
14734	.300	6058.3	43.70	.39	.9087	.8576	-.2226	-.0090	-.0096	-.0602	.0280
14735	.301	6087.0	45.63	.42	.8966	.9028	-.2263	-.0160	-.0163	-.0700	.0287
14736	.299	6022.2	47.74	.40	.8844	.9553	-.2301	-.0232	-.0155	-.0463	.0286
14737	.300	6042.9	-.42	-.01	-.0204	.0171	.0026	.0006	-.0017	.0048	.0057

TEST TP	24 MACH	Q PA	RUN 154		CN	CA	CM	CRM	CYM	CY
			ALPHA DEG	BETA DEG						
14709	.300	6049.6	-4.1	-.00	-.0242	.0161	.0033	.0006	-.0015	.0031
14710	.300	6052.9	-3.98	-.01	-.2046	.0142	.0225	.0001	-.0013	.0051
14711	.300	6058.8	-2.15	-.01	-.0940	.0170	.0103	.0005	-.0014	.0041
14712	.300	6053.9	-.62	-.00	-.0127	.0176	.0016	.0005	-.0015	.0036
14713	.300	6049.7	2.14	.00	.1247	.0153	-.0132	.0003	-.0016	.0027
14714	.300	6042.8	4.11	.00	.2259	.0111	-.0250	.0011	-.0014	.0023
14715	.300	6074.1	5.93	.02	.3349	.0084	-.0380	.0009	-.0016	.0004
14716	.300	6072.3	7.94	.03	.4314	.0060	-.0488	.0010	-.0015	-.0003
14717	.300	6073.0	9.73	.05	.5256	.0065	-.0600	.0011	-.0017	-.0017
14718	.300	6045.4	11.86	.05	.6137	.0053	-.0750	.0008	-.0016	-.0014
14719	.300	6047.1	13.99	.08	.7248	.0081	-.0999	.0008	-.0016	-.0019
14720	.301	6080.9	15.96	.08	.7893	.0107	-.1269	.0004	-.0008	-.0034
14721	.300	6068.4	17.82	.09	.8140	.0161	-.1506	.0001	-.0001	-.0039
14722	.300	6057.0	19.82	.07	.8362	.0204	-.1623	.0022	-.0016	-.0020
14723	.301	6104.2	21.68	.13	.8363	.0182	-.1619	.0140	-.0143	.0073
14724	.300	6067.0	23.82	.16	.8904	.0180	-.1731	.0142	-.0161	.0116
14725	.300	6047.6	25.93	.20	.9705	.0147	-.1921	.0205	-.0248	.0191
14726	.299	6032.5	27.93	.17	1.0440	.0103	-.2095	.0305	-.0328	.0230
14727	.300	6043.0	29.74	.25	1.0919	.0089	-.2191	.0324	-.0318	.0164
14728	.300	6066.3	31.71	.28	1.1146	.0061	-.2239	.0295	-.0269	.0058
14729	.299	6022.5	33.87	.30	1.1564	.0046	-.2311	.0246	-.0180	-.0044
14730	.301	6101.1	35.59	.28	1.1775	.0027	-.2345	.0226	-.0152	.0103
14731	.301	6102.7	37.68	.18	1.2187	.0000	-.2366	-.0123	.0098	.0328
14732	.300	6050.1	39.88	.28	1.2481	-.0018	-.2425	.0158	-.0064	-.0093
14733	.301	6086.9	41.56	.31	1.2397	-.0061	-.2256	.0071	-.0034	-.0452
14734	.300	6058.3	43.70	.39	1.2495	-.0078	-.2226	.0002	-.0132	-.0602
14735	.301	6087.0	45.63	.42	1.2724	-.0095	-.2263	.0004	-.0229	-.0700
14736	.299	6022.2	47.74	.40	1.3018	-.0120	-.2301	-.0041	-.0276	-.0463
14737	.300	6042.9	-.42	-.01	-.0205	.0170	.0026	.0006	-.0017	.0048

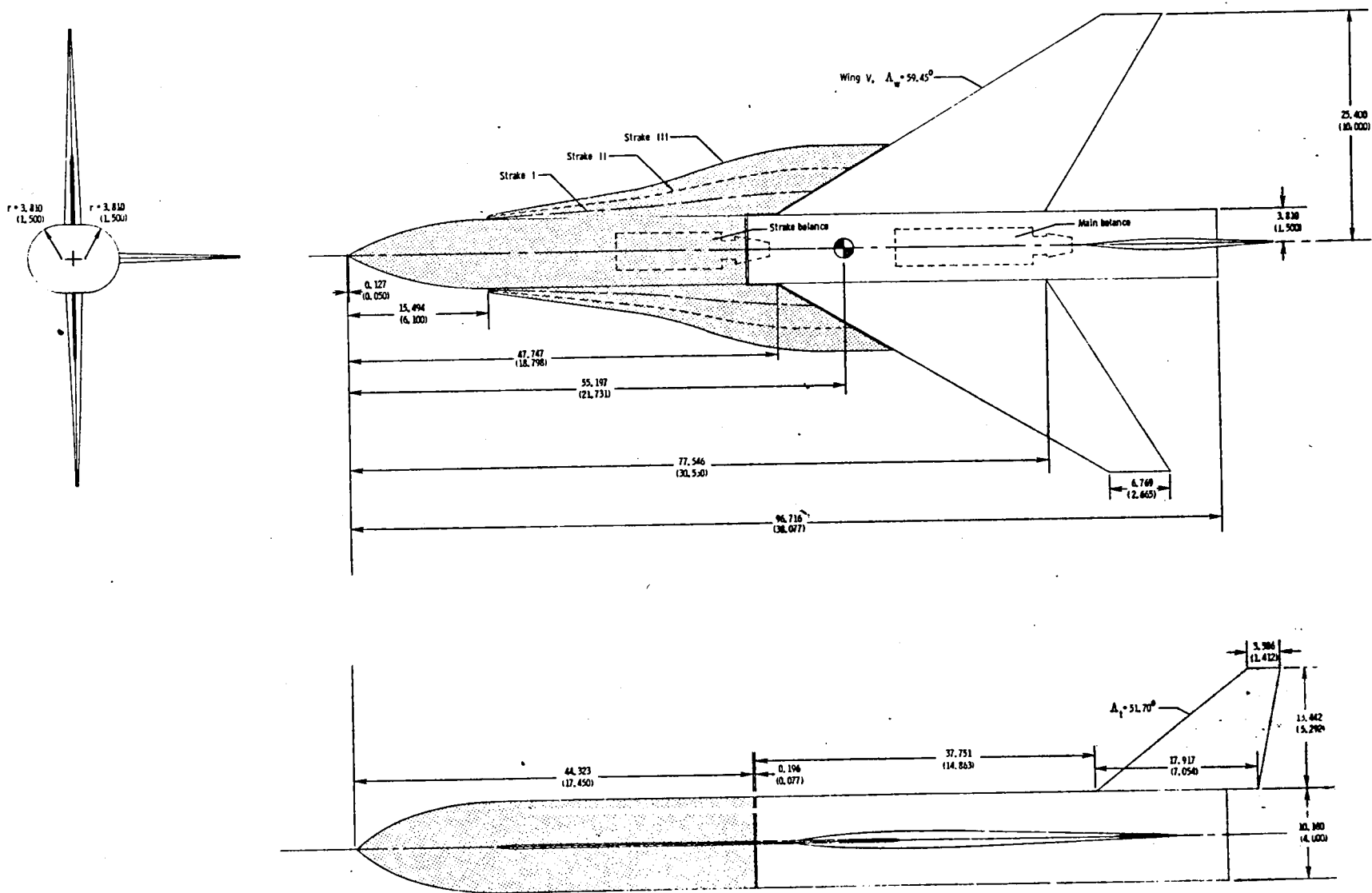
## NASA LANGLEY

## 7 X 10 HIGH SPEED TUNNEL

TEST 24		RUN 154										
TP	MACH	Q PA	ALPHA2 DEG	BETA2 DEG	CL2	CD2	CM52	CRM52	CYMS2	CYS2	CDB2	
14709	.300	6049.6	-.41	-.01	-.0010	.0037	-.0013	.0000	.0004	.0006	-.0027	
14710	.300	6052.9	-3.98	-.06	-.0101	.0045	-.0162	-.0000	.0003	.0003	-.0025	
14711	.300	6058.8	-2.14	-.03	-.0044	.0043	-.0072	.0000	.0002	.0001	-.0026	
14712	.300	6053.9	-.62	-.01	-.0010	.0045	-.0013	.0000	.0003	.0002	-.0027	
14713	.300	6049.7	2.14	.03	.0058	.0046	.0100	.0000	.0002	.0002	-.0026	
14714	.300	6042.8	4.11	.05	.0101	.0047	.0171	.0000	.0003	.0004	-.0023	
14715	.300	6074.1	5.92	.09	.0152	.0056	.0253	-.0000	.0000	-.0001	-.0020	
14716	.300	6072.3	7.94	.14	.0199	.0062	.0328	-.0000	-.0001	-.0003	-.0015	
14717	.300	6073.0	9.73	.18	.0256	.0077	.0416	-.0000	-.0001	-.0003	-.0007	
14718	.300	6045.4	11.86	.20	.0307	.0086	.0494	-.0000	-.0000	.0000	.0001	
14719	.300	6047.1	13.98	.26	.0380	.0113	.0606	-.0000	.0000	.0000	.0004	
14720	.301	6080.9	15.96	.28	.0418	.0128	.0669	-.0000	-.0000	.0001	-.0003	
14721	.300	6068.4	17.82	.32	.0455	.0145	.0736	.0000	.0001	.0002	-.0010	
14722	.300	6057.0	19.82	.32	.0514	.0174	.0834	.0000	.0001	.0003	-.0014	
14723	.301	6104.2	21.68	.41	.0538	.0186	.0874	-.0001	-.0004	-.0006	-.0013	
14724	.300	6067.0	23.82	.46	.0602	.0226	.0978	-.0000	-.0001	-.0000	-.0007	
14725	.300	6047.6	25.93	.52	.0667	.0268	.1079	.0001	.0001	.0005	.0002	
14726	.299	6032.5	27.93	.52	.0714	.0304	.1156	.0004	.0006	.0019	.0011	
14727	.300	6043.0	29.73	.62	.0768	.0350	.1248	.0004	.0005	.0021	.0017	
14728	.300	6066.3	31.70	.67	.0830	.0382	.1305	.0001	.0000	.0010	.0023	
14729	.299	6022.5	33.86	.72	.0854	.0439	.1405	-.0001	-.0004	.0003	.0030	
14730	.301	6101.1	35.58	.71	.0892	.0482	.1473	.0015	.0018	.0071	.0031	
14731	.301	6102.7	37.67	.63	.0928	.0536	.1547	.0040	.0051	.0172	.0032	
14732	.300	6050.1	39.87	.76	.0984	.0594	.1647	.0002	.0001	.0023	.0046	
14733	.301	6086.9	41.55	.81	.1007	.0633	.1692	-.0041	-.0046	-.0135	.0054	
14734	.300	6058.3	43.69	.91	.1060	.0714	.1795	-.0111	-.0114	-.0352	.0059	
14735	.301	6087.0	45.62	.95	.1104	.0783	.1879	-.0181	-.0173	-.0522	.0066	
14736	.299	6022.2	47.73	.95	.1149	.0869	.1973	-.0222	-.0197	-.0542	.0071	
14737	.300	6042.9	-.42	-.01	-.0019	.0041	-.0024	.0000	.0000	.0000	-.0027	

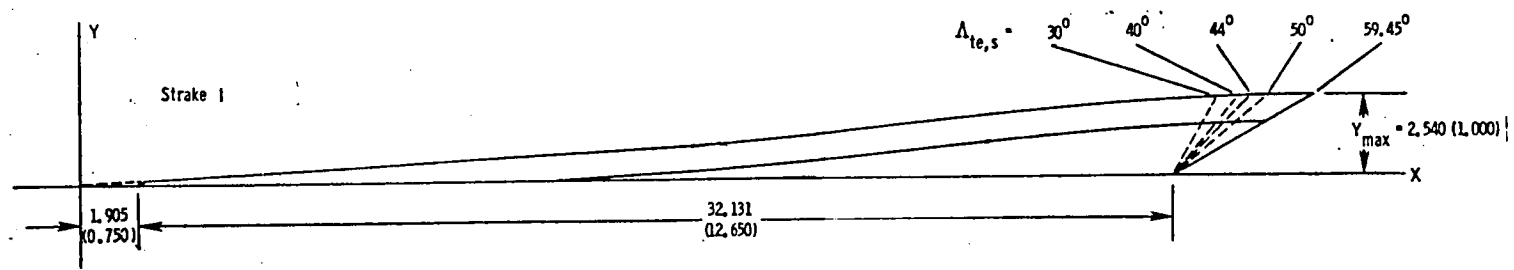
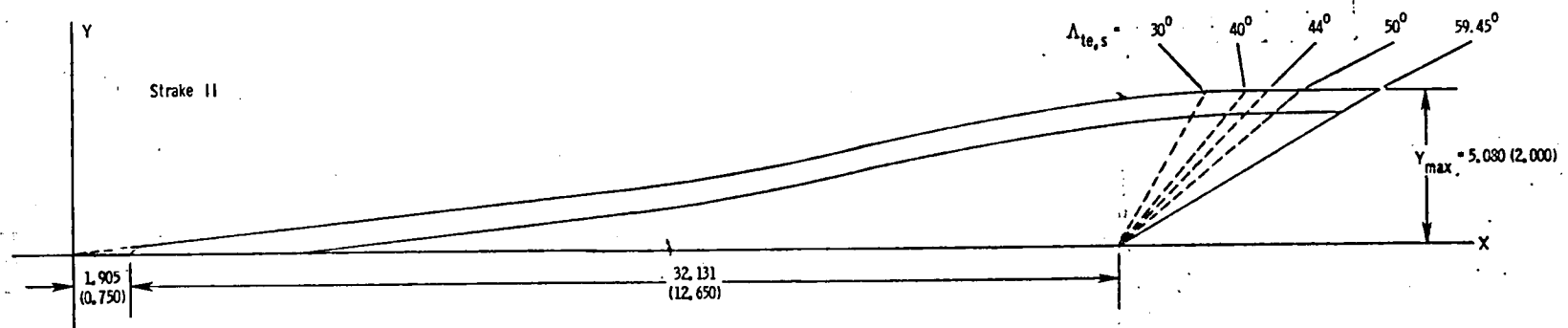
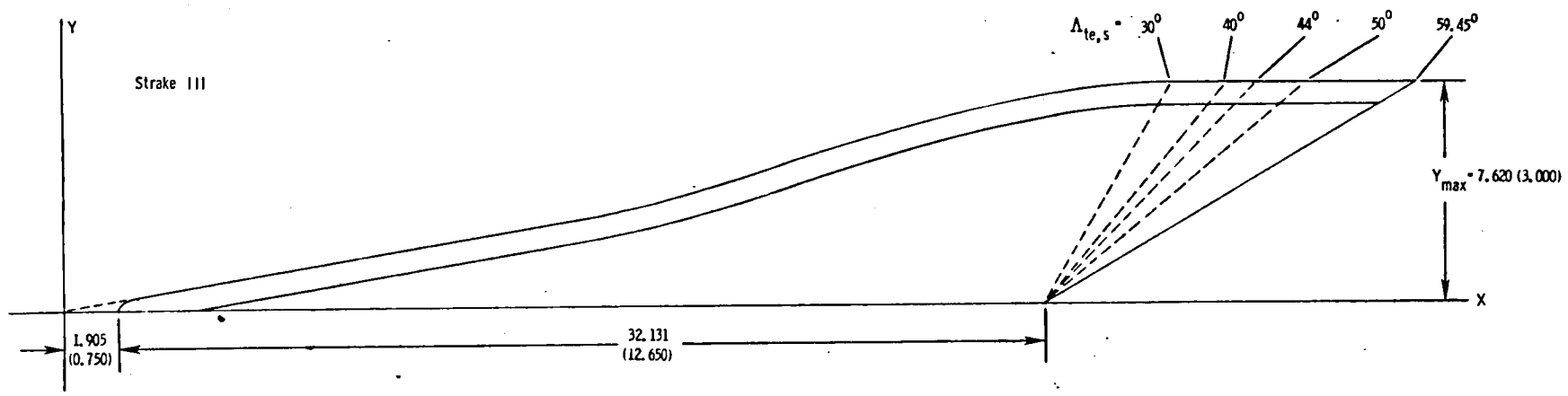
  

TEST 24		RUN 154										
TP	MACH	Q PA	ALPHA2 DEG	BETA2 DEG	CM2	CA2	CM2	CRM2	CYM2	CY2	CC2	
14709	.300	6049.6	-.41	-.01	-.0010	.0037	-.0013	.0000	.0004	.0006	-.0007	
14710	.300	6052.9	-3.98	-.06	-.0103	.0038	-.0162	.0000	.0003	.0003	-.0007	
14711	.300	6058.8	-2.14	-.03	-.0046	.0042	-.0072	.0000	.0002	.0001	-.0007	
14712	.300	6053.9	-.62	-.01	-.0010	.0044	-.0013	.0000	.0003	.0002	-.0007	
14713	.300	6049.7	2.14	.03	.0060	.0044	.0100	.0000	.0002	.0002	-.0007	
14714	.300	6042.8	4.11	.05	.0104	.0039	.0171	.0000	.0003	.0004	-.0006	
14715	.300	6074.1	5.92	.09	.0157	.0040	.0253	-.0000	.0000	-.0001	-.0005	
14716	.300	6072.3	7.94	.14	.0206	.0034	.0328	-.0000	-.0001	-.0003	-.0004	
14717	.300	6073.0	9.73	.18	.0265	.0033	.0416	-.0000	-.0001	-.0003	-.0002	
14718	.300	6045.4	11.86	.20	.0318	.0021	.0494	-.0000	-.0000	.0000	-.0000	
14719	.300	6047.1	13.98	.26	.0396	.0018	.0606	-.0000	.0000	.0000	.0000	
14720	.301	6080.9	15.96	.28	.0437	.0008	.0669	-.0000	-.0000	.0001	-.0001	
14721	.300	6068.4	17.82	.32	.0478	-.0002	.0736	-.0000	.0001	.0002	-.0003	
14722	.300	6057.0	19.82	.32	.0542	-.0011	.0834	-.0000	.0001	.0003	-.0004	
14723	.301	6104.2	21.68	.41	.0569	-.0026	.0874	.0000	-.0004	-.0006	-.0004	
14724	.300	6067.0	23.82	.46	.0642	-.0037	.0978	.0000	-.0001	-.0000	-.0003	
14725	.300	6047.6	25.93	.52	.0717	-.0051	.1079	.0001	.0001	.0005	-.0000	
14726	.299	6032.5	27.93	.52	.0773	-.0066	.1156	.0001	.0007	.0019	.0002	
14727	.300	6043.0	29.73	.62	.0841	-.0077	.1248	.0001	.0007	.0021	.0004	
14728	.300	6066.3	31.70	.67	.0881	-.0096	.1305	.0001	.0001	.0010	.0005	
14729	.299	6022.5	33.86	.72	.0954	-.0111	.1405	.0001	-.0004	.0003	.0007	
14730	.301	6101.1	35.58	.71	.1006	-.0127	.1473	.0002	.0024	.0071	.0007	
14731	.301	6102.7	37.67	.63	.1062	-.0143	.1547	.0001	.0065	.0172	.0008	
14732	.300	6050.1	39.87	.76	.1136	-.0175	.1647	.0001	.0002	.0023	.0011	
14733	.301	6086.9	41.55	.81	.1174	-.0195	.1692	.0000	-.0062	-.0135	.0013	
14734	.300	6058.3	43.69	.91	.1259	-.0216	.1795	-.0002	-.0159	-.0352	.0014	
14735	.301	6087.0	45.62	.95	.1332	-.0242	.1879	-.0003	-.0250	-.0522	.0016	
14736	.299	6022.2	47.73	.95	.1416	-.0266	.1973	-.0003	-.0296	-.0542	.0017	
14737	.300	6042.9	-.42	-.01	-.0020	.0041	-.0024	.0000	.0000	.0000	-.0007	



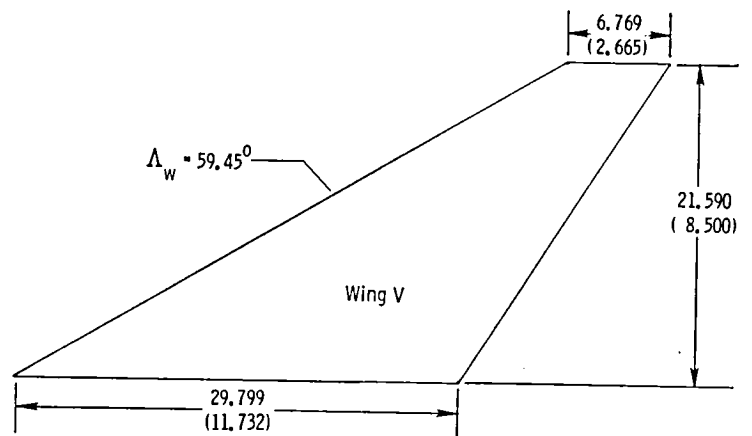
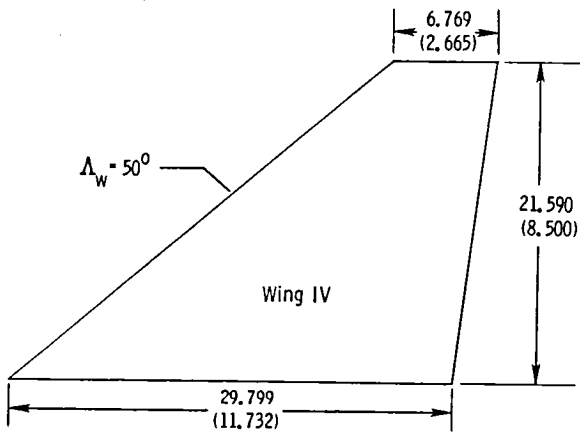
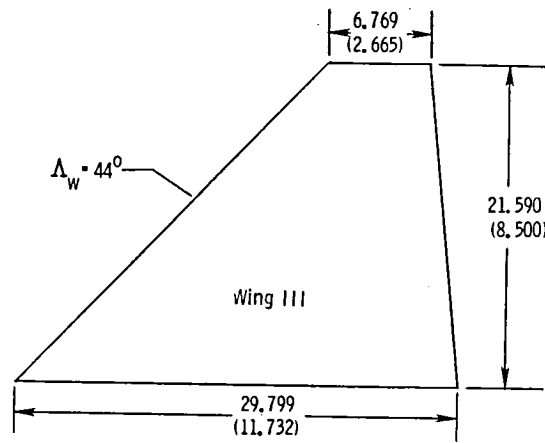
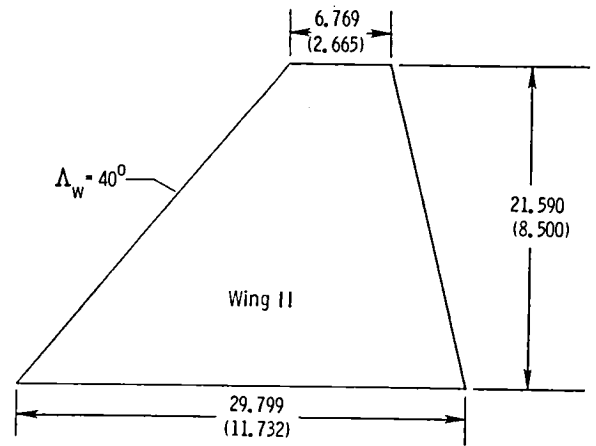
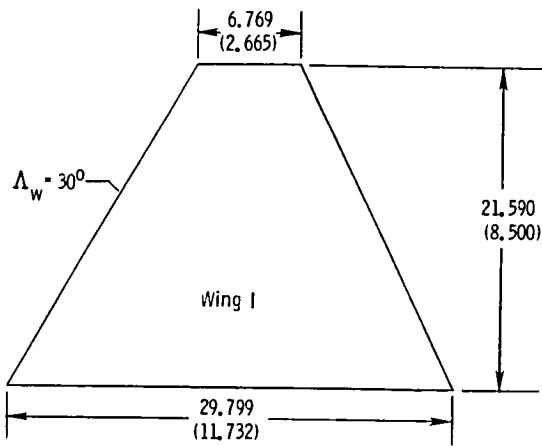
(a) Complete configuration

Figure 1. - Model Drawings; dimensions in centimeters (Inches).



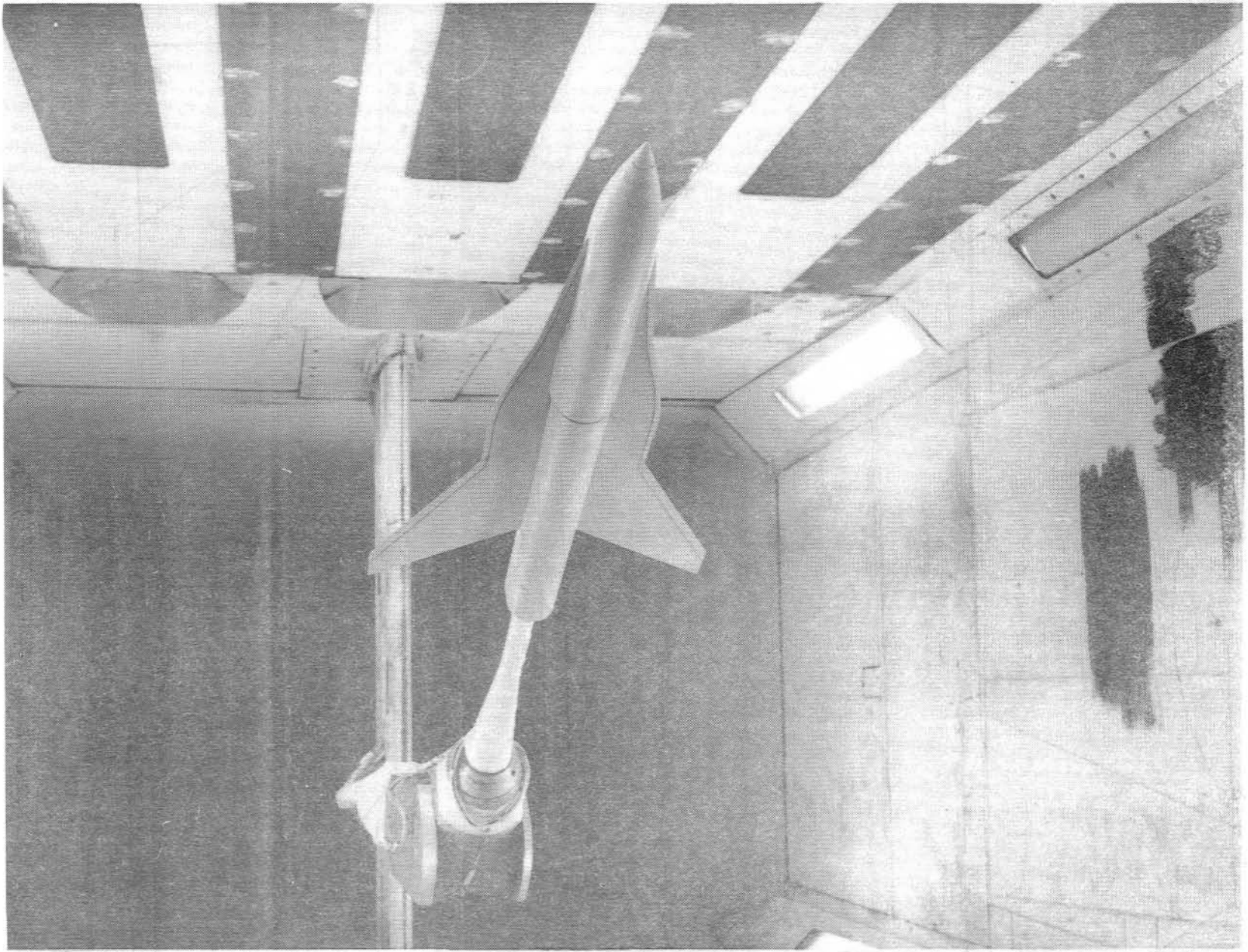
(b) Exposed strake planforms

Figure 1. - Continued



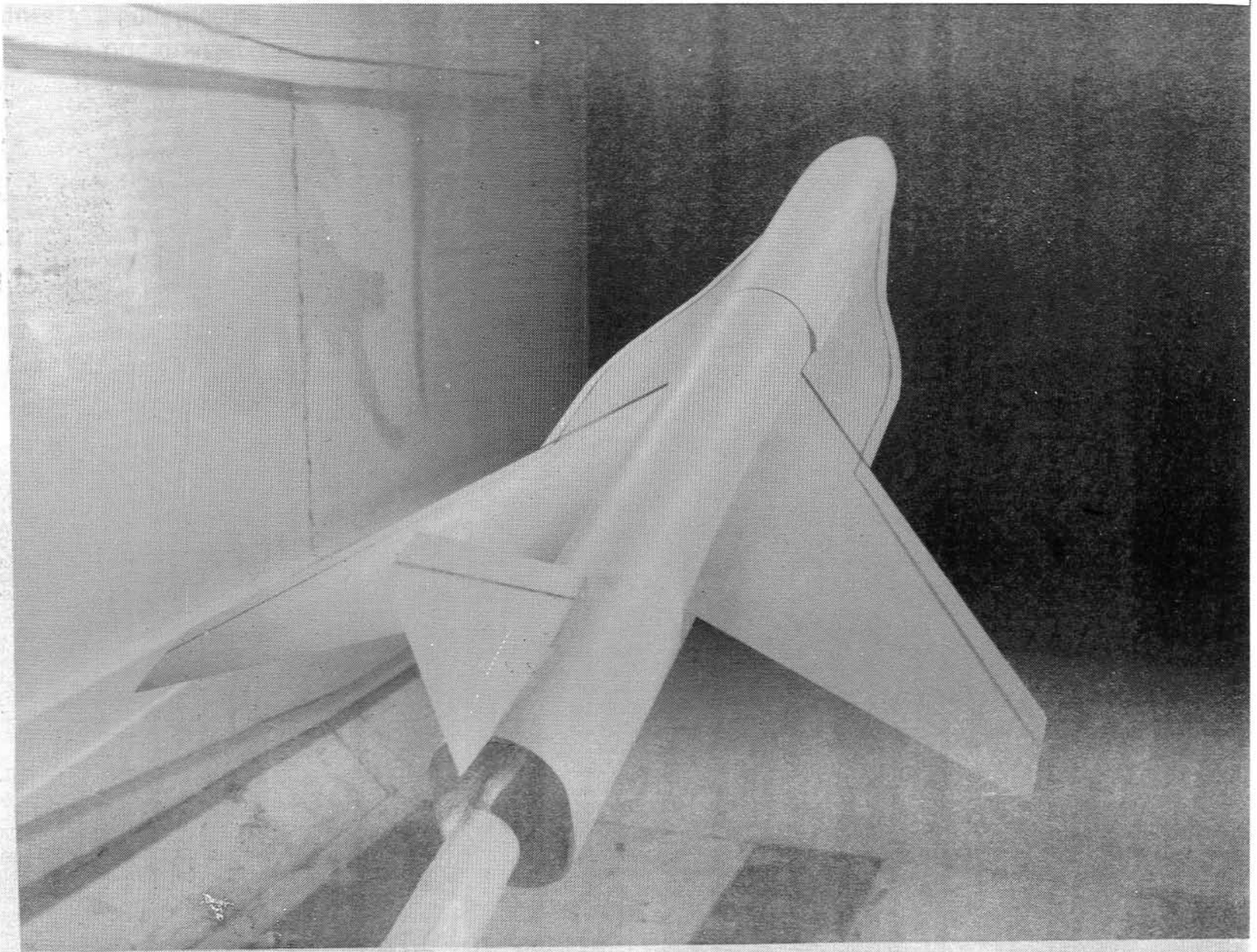
(c) Exposed wing planforms

Figure 1. - Concluded.



(a) One-quarter front view.

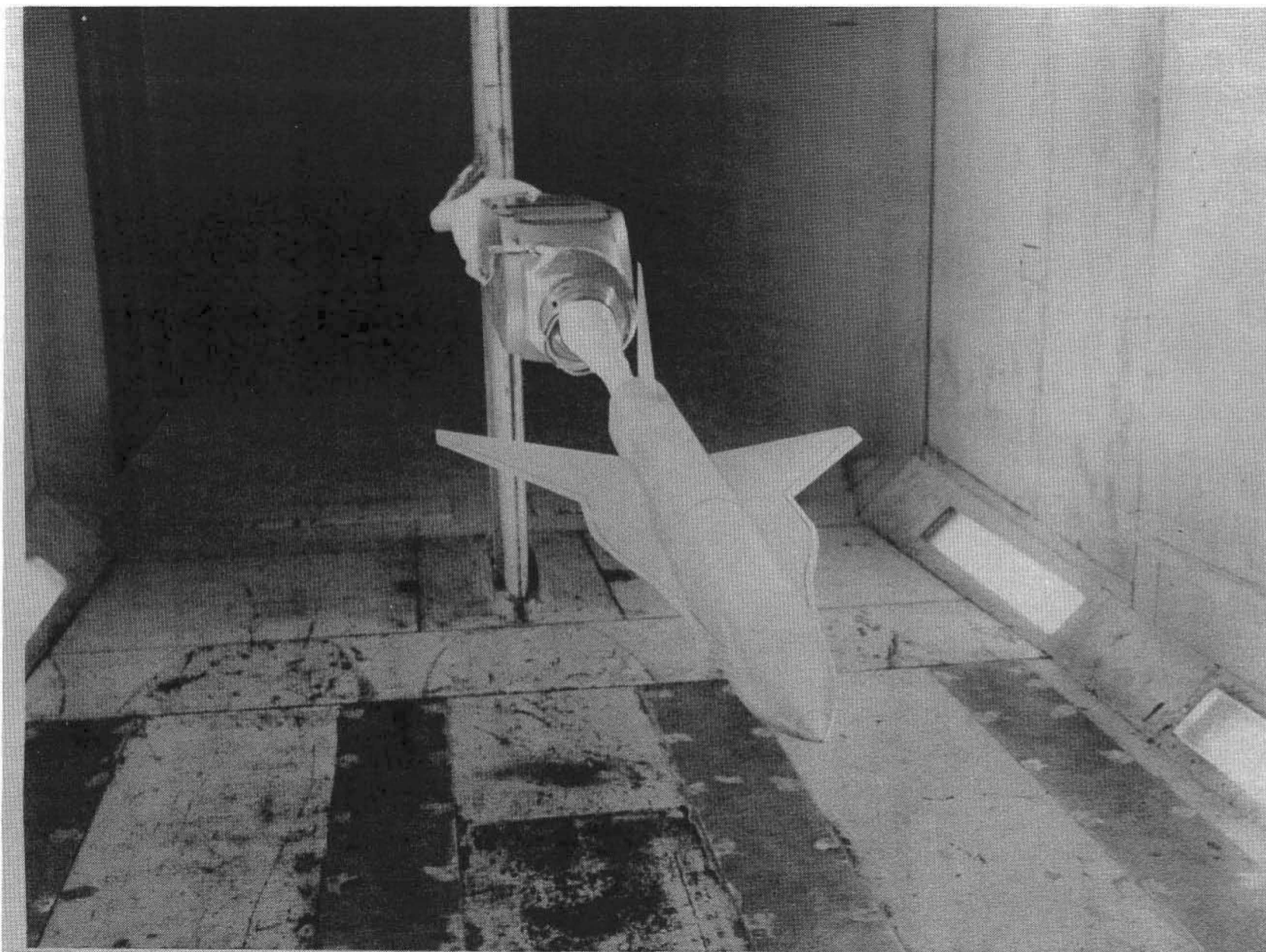
Figure 2. - Photograph of model mounted in Langley high-speed 7- by 10-foot tunnel.  $\Lambda_w = 59.45^\circ$ , strake III.



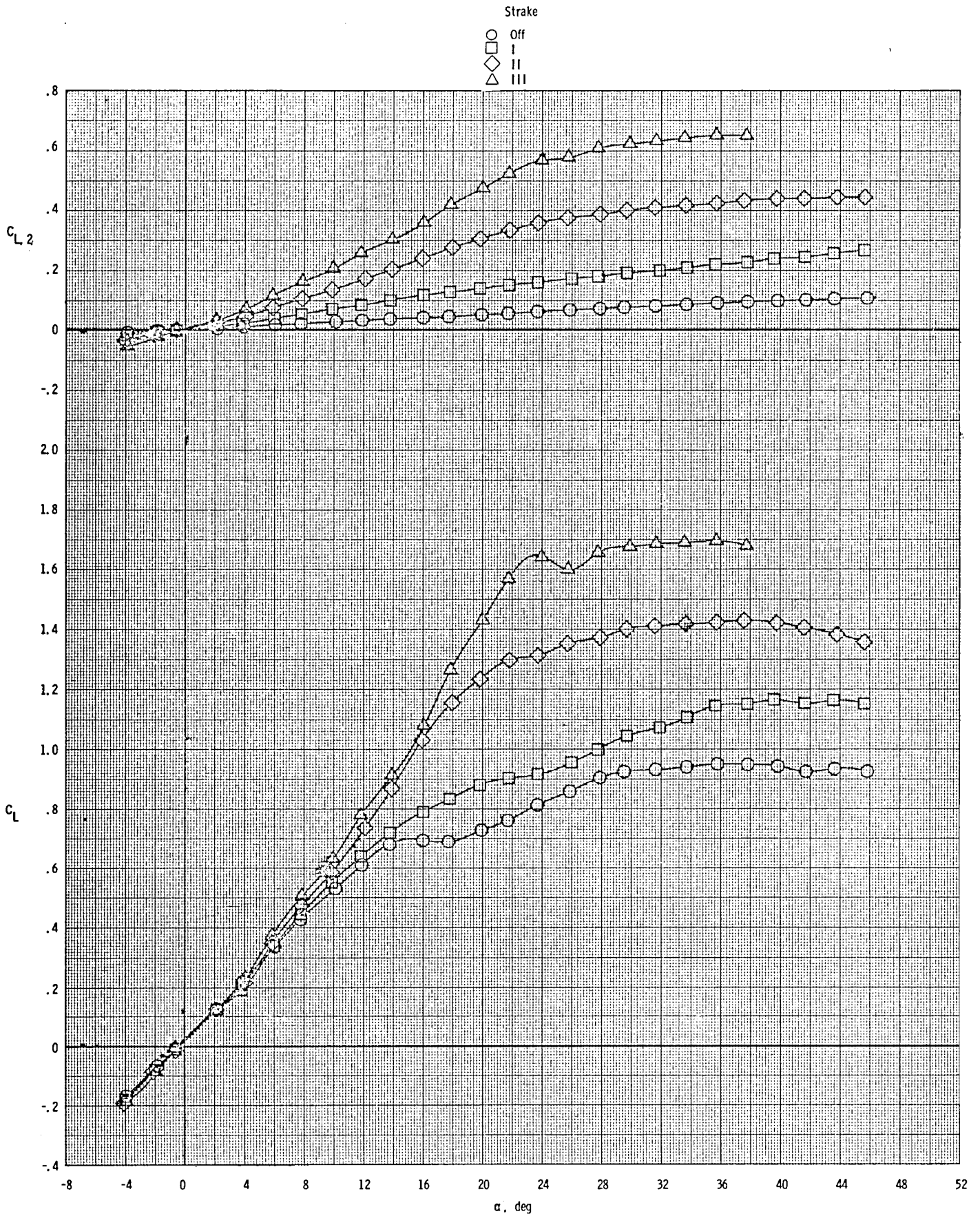
(b) One-quarter rear view.

Figure 2. - Continued.



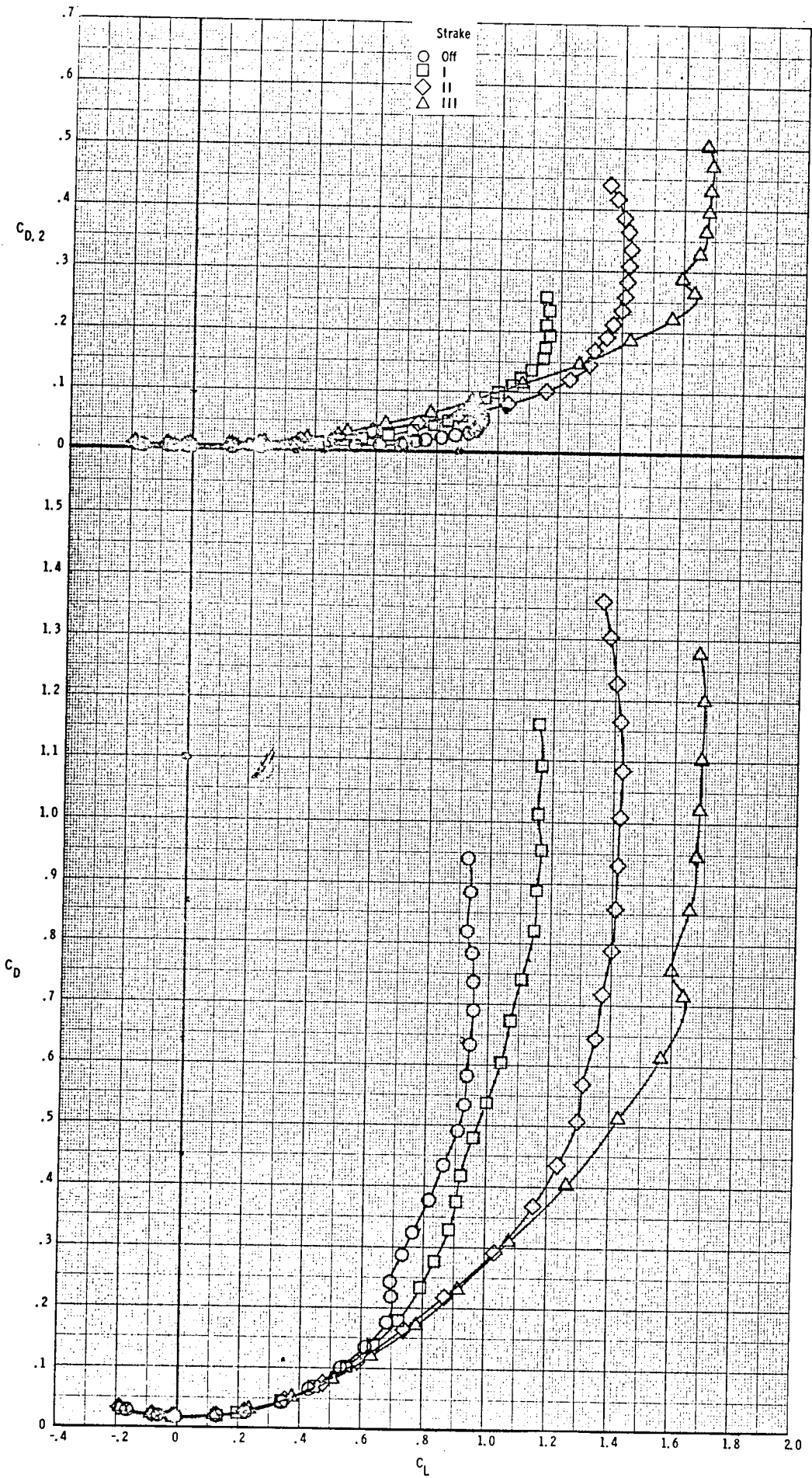


(c) One-quarter front view.  
Figure 2. - Concluded.

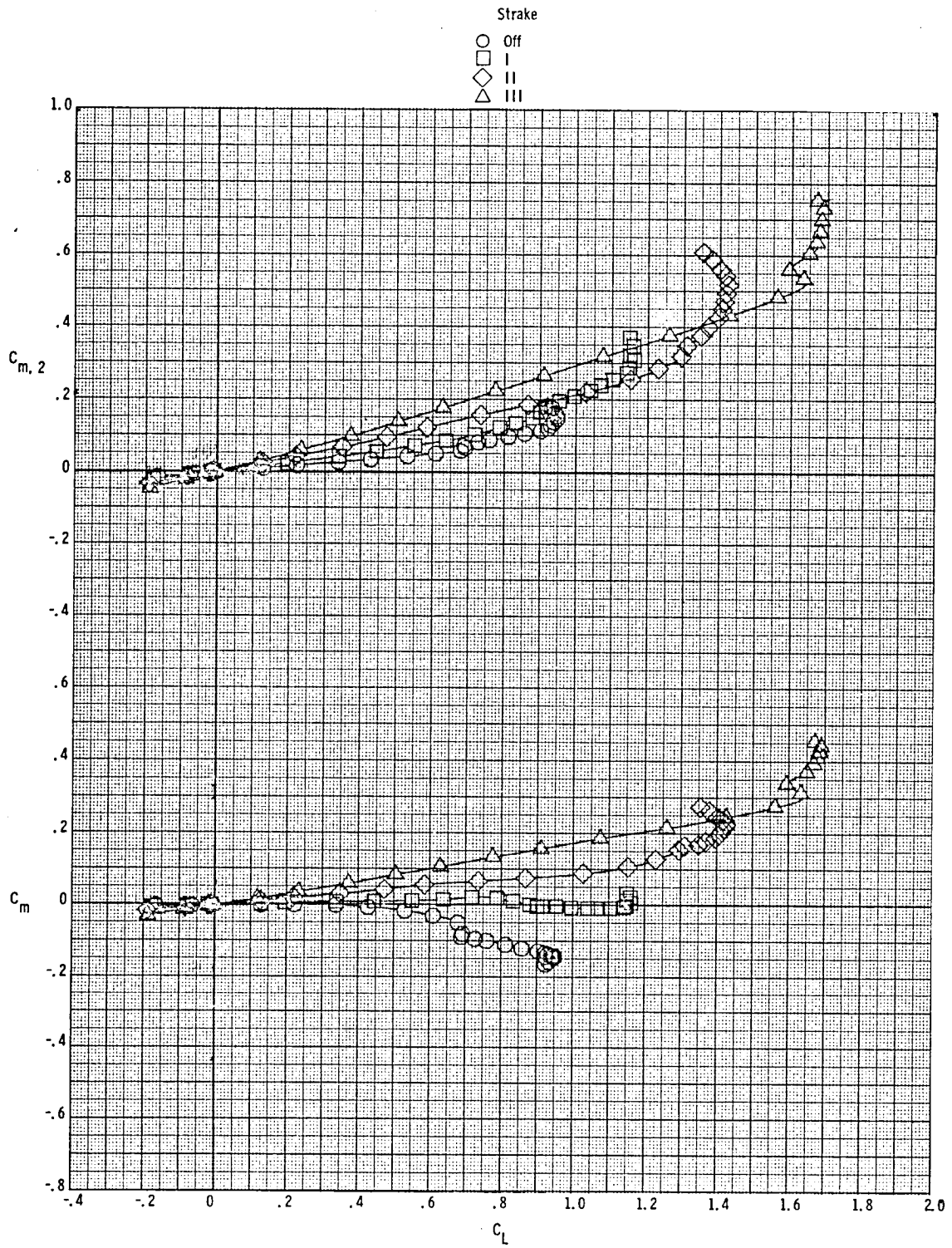


(a) Lift.

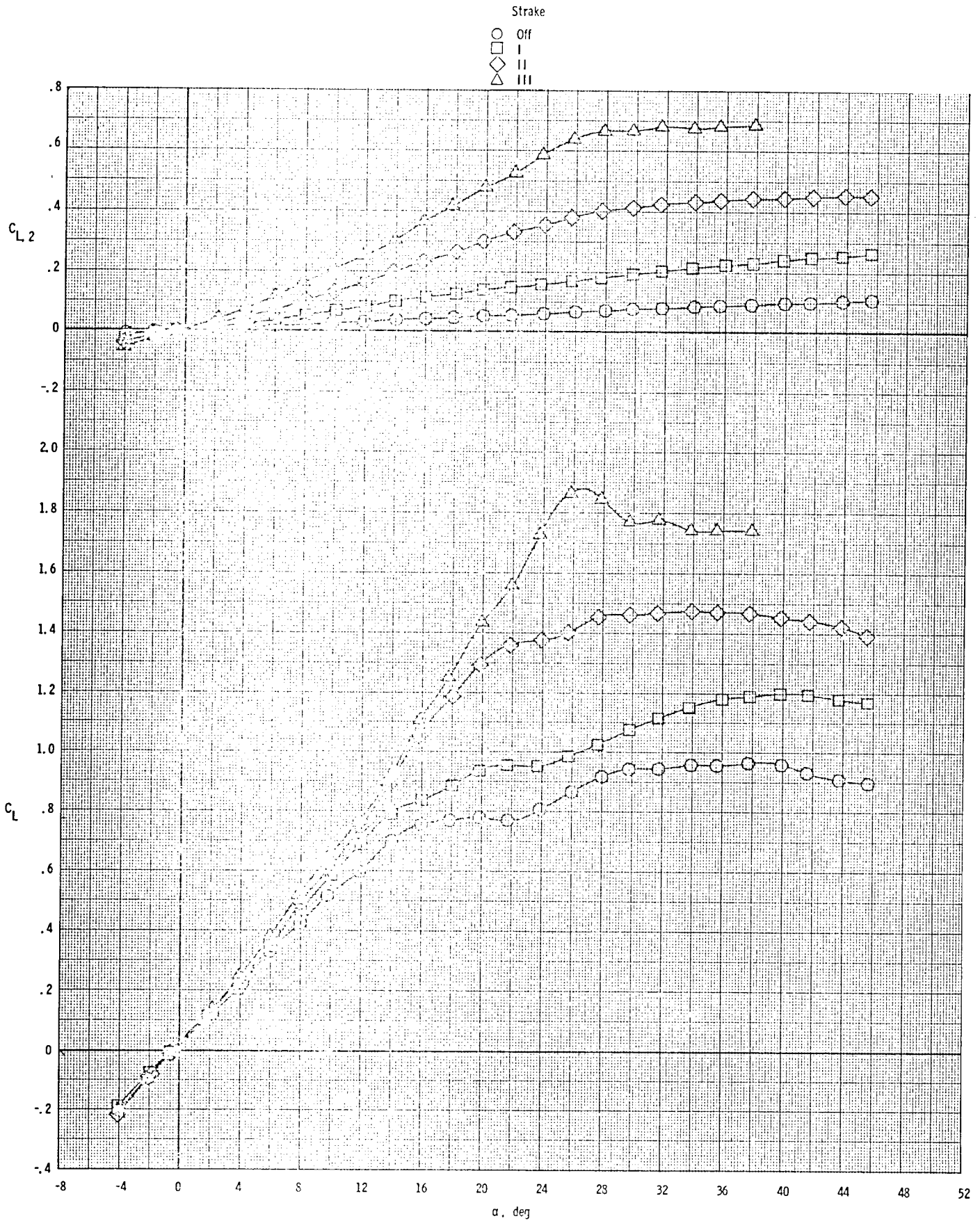
Figure 3. - Strake span effect on longitudinal aerodynamic characteristics.  $\Lambda_w = 30^\circ$ ,  $M_\infty = 0.3$ .



(b) Drag.  
 Figure 3. - Continued.

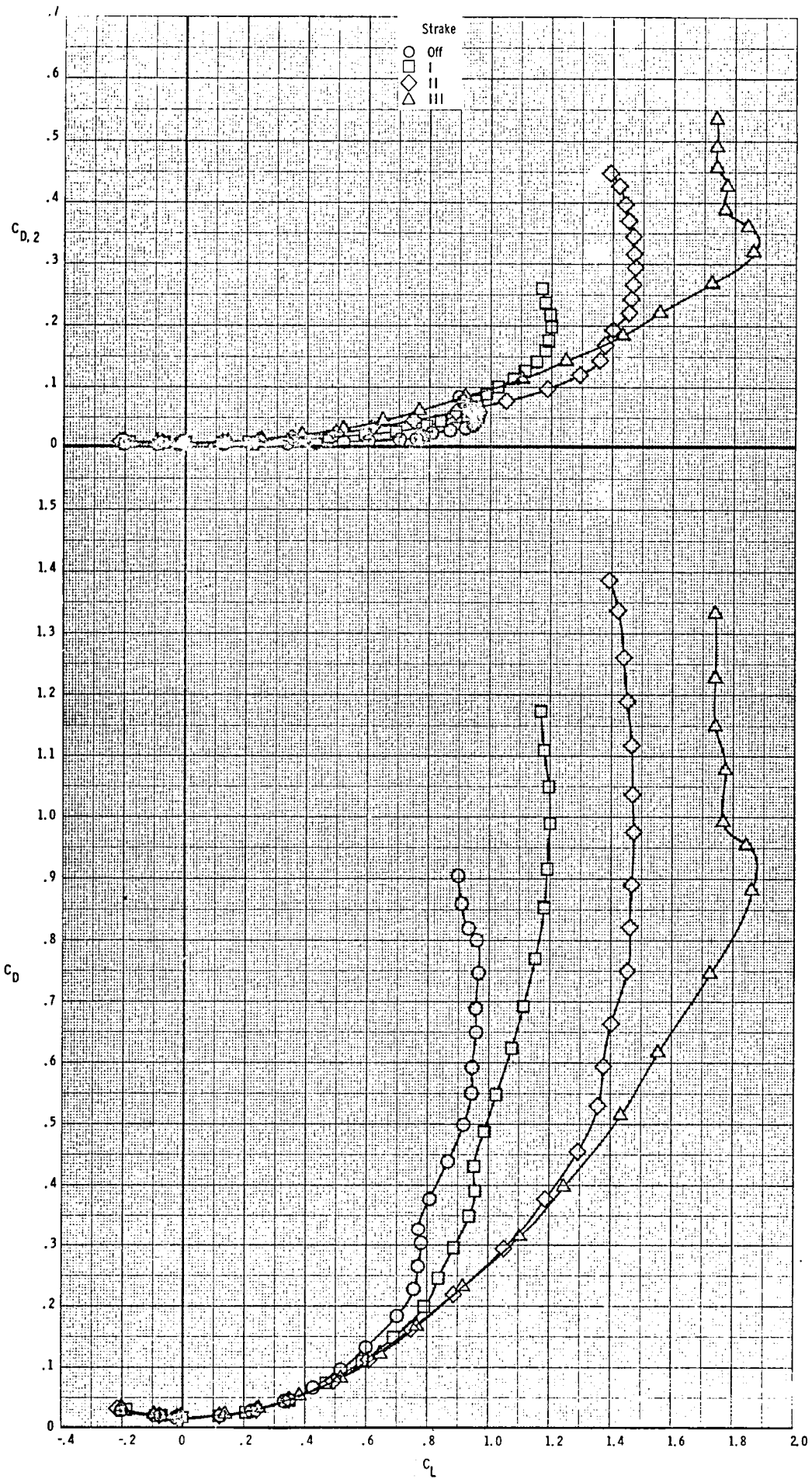


(c) Pitching moment.  
Figure 3. - Concluded.

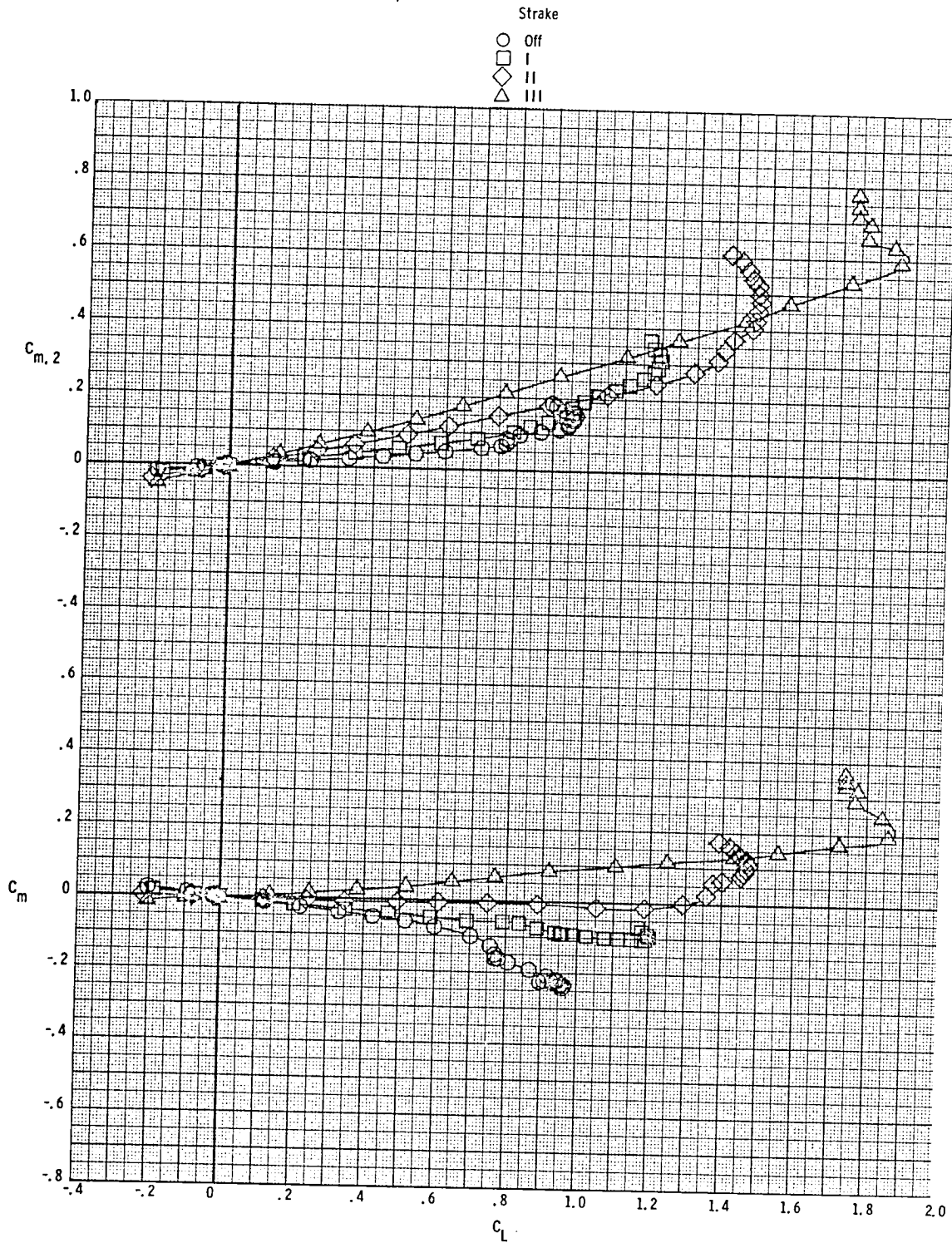


(a) Lift.

Figure 4. - Strake span effect on longitudinal aerodynamic characteristics.  $\Lambda_w = 40^\circ$ ,  $M_\infty = 0.3$ .



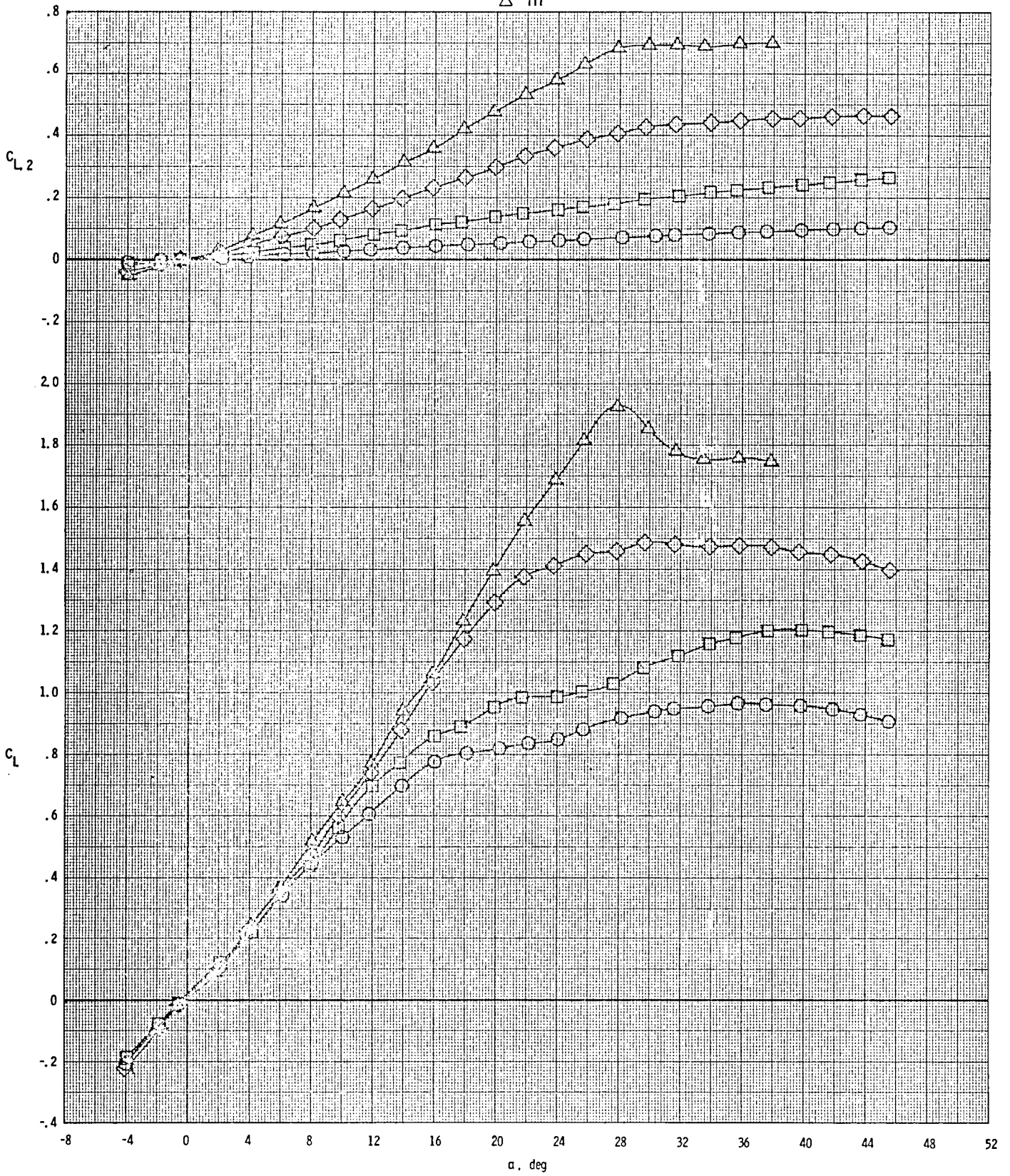
(b) Drag.  
Figure 4. - Continued.



(c) Pitching moment.  
Figure 4. - Concluded.

Stroke

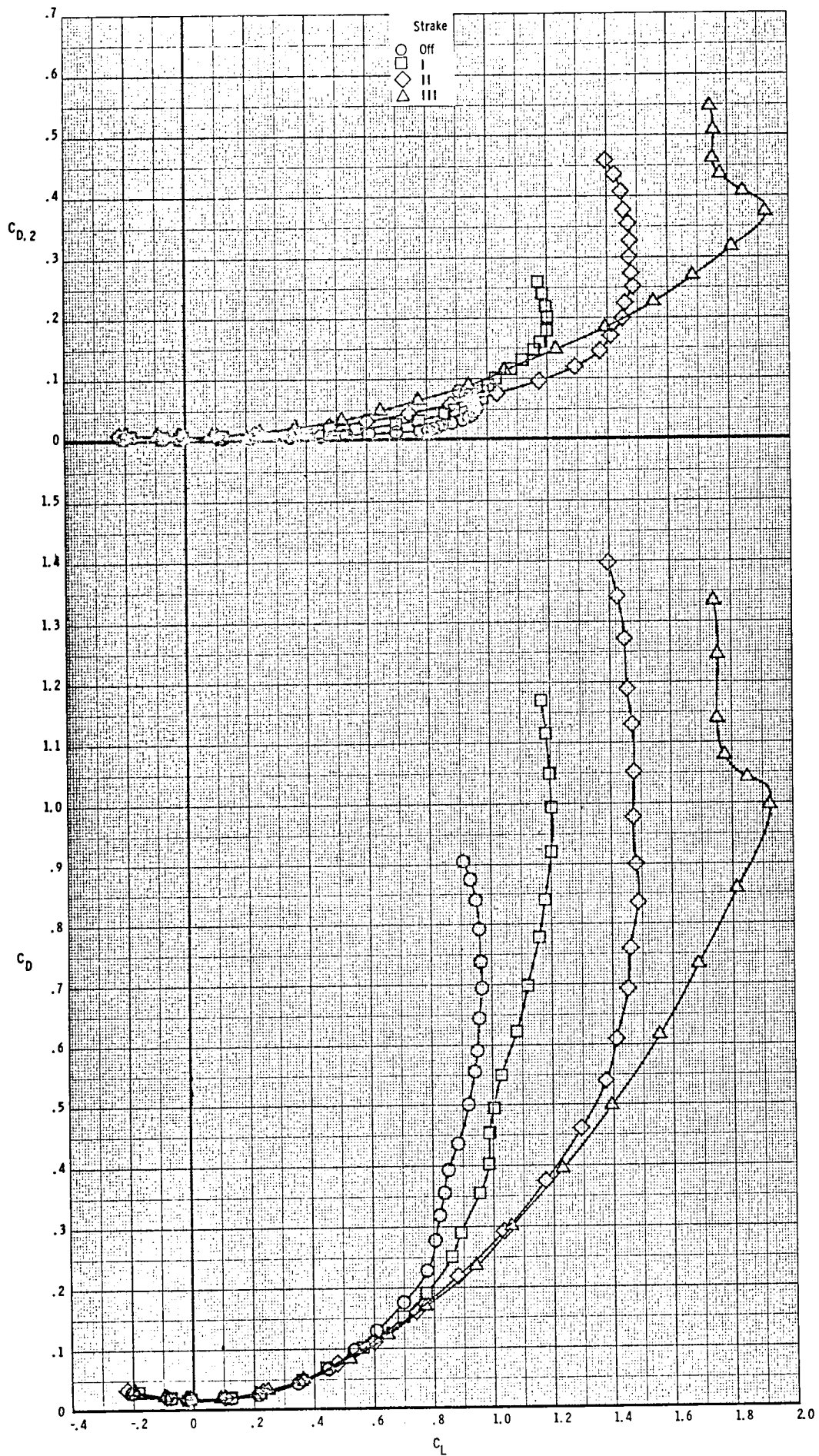
- Off
- I
- ◇ II
- △ III



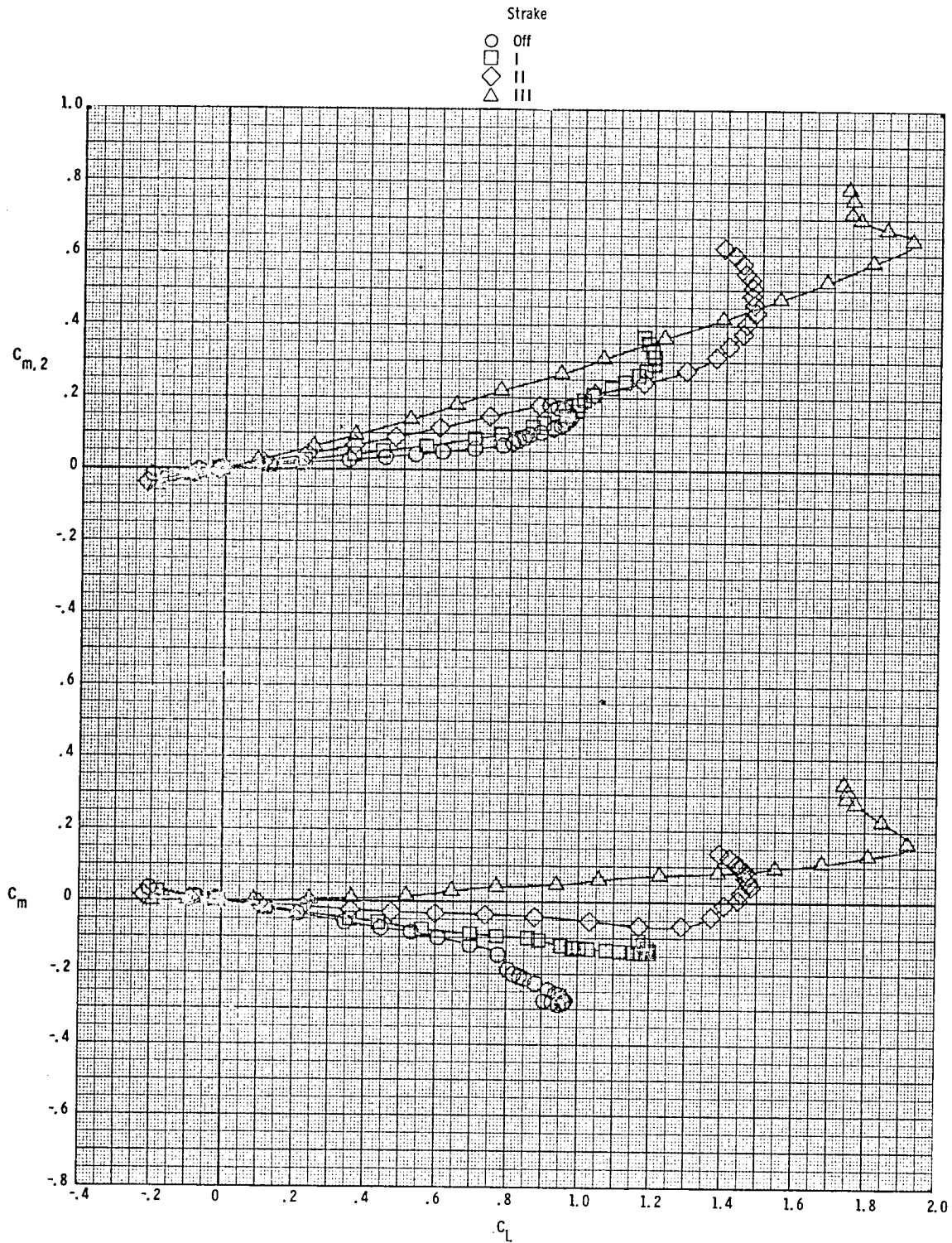
(a) Lift.

Figure 5. - Stroke span effect on longitudinal aerodynamic characteristics.  $\Lambda_w = 44^\circ$ ,  $M_\infty = 0.3$ .

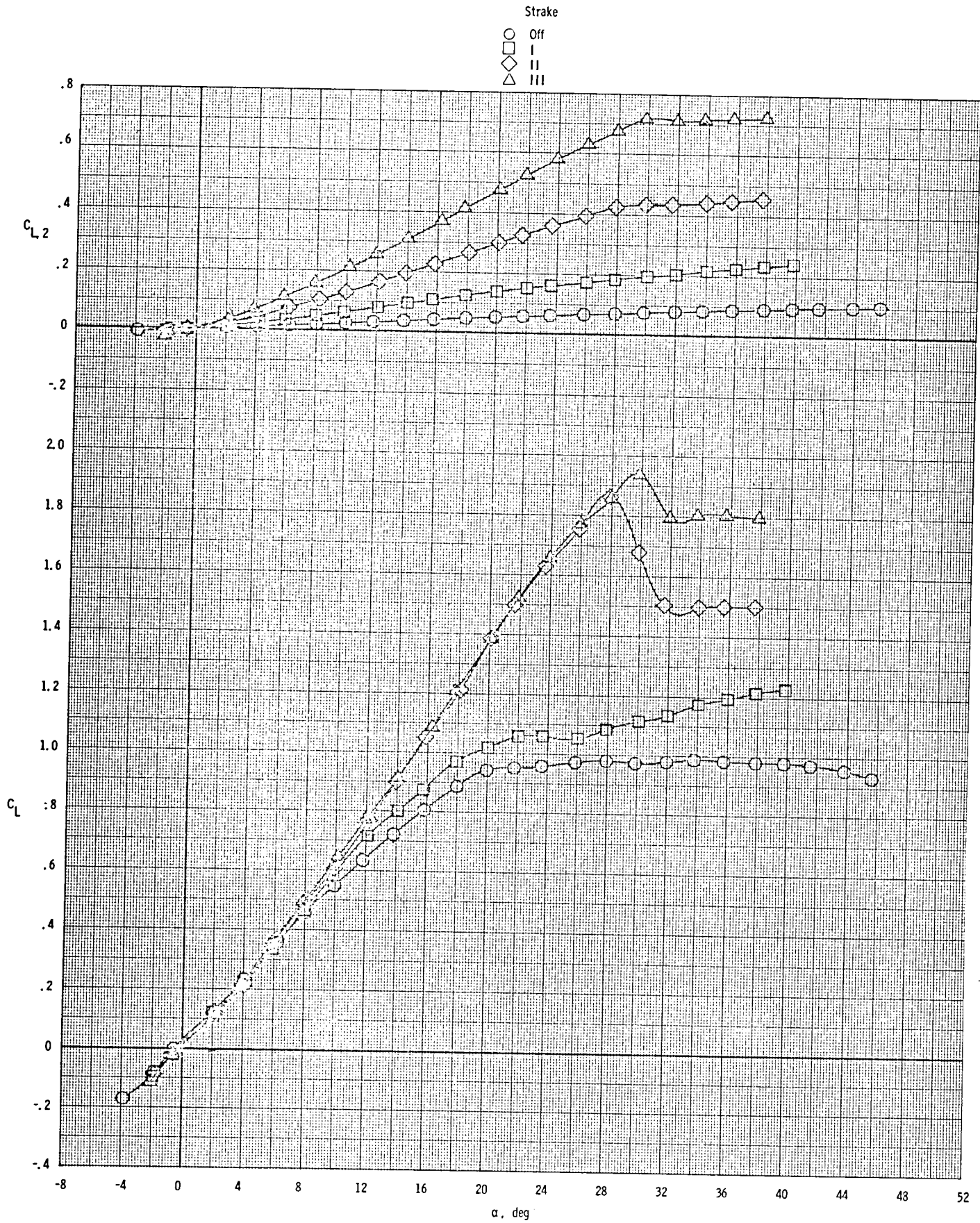




(b) Drag.  
Figure 5. - Continued.

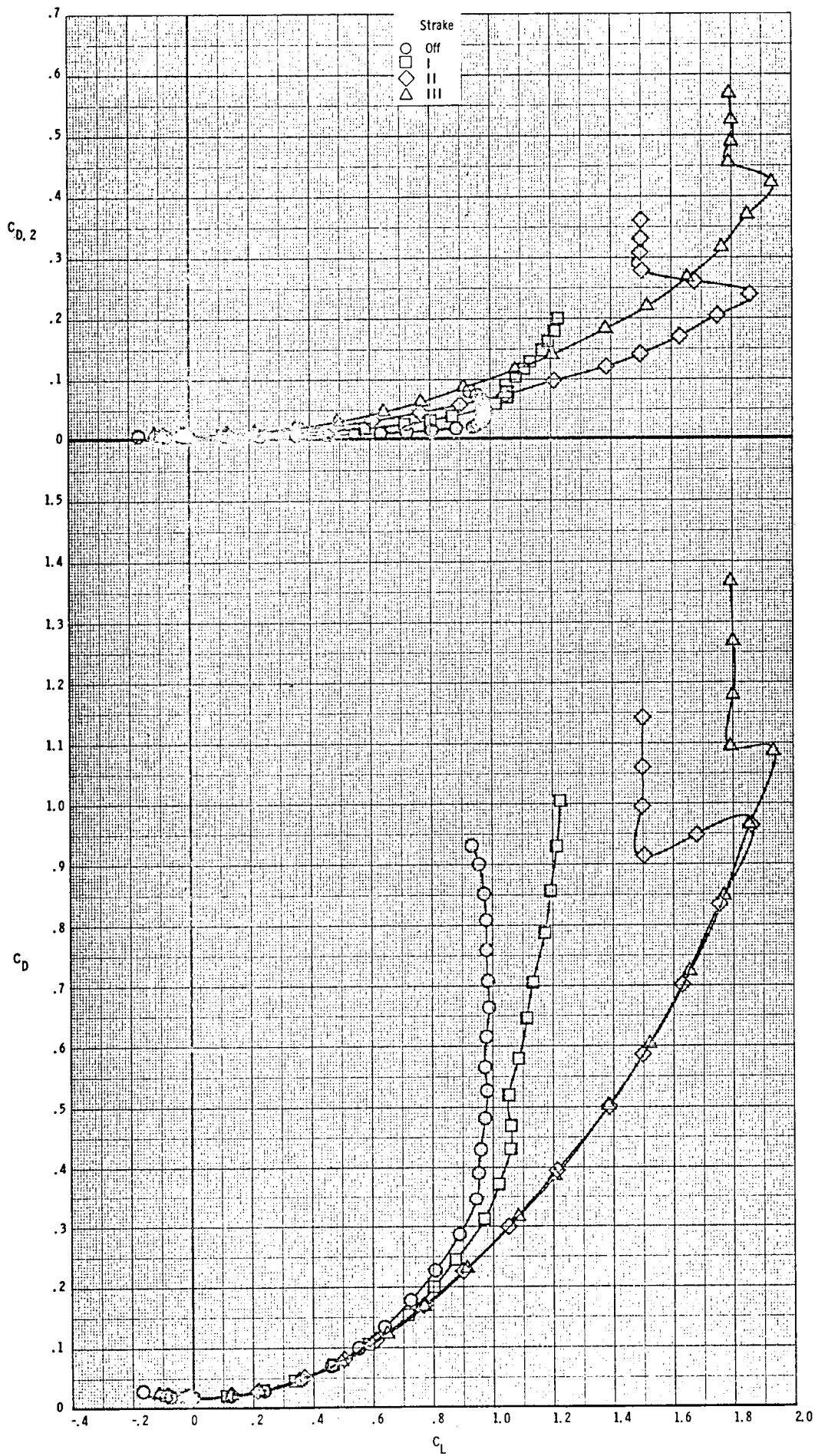


(c) Pitching moment.  
Figure 5. - Concluded.

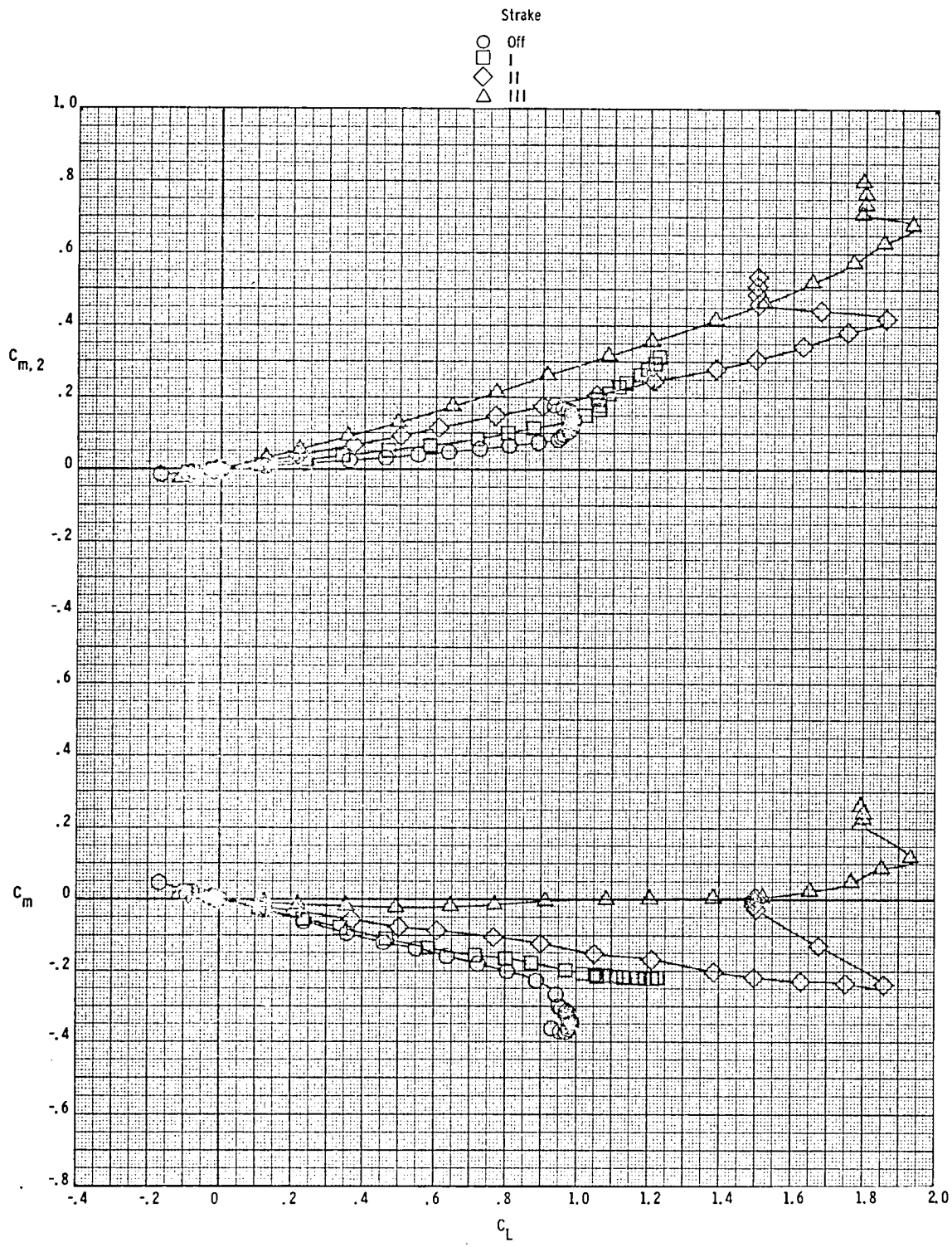


(a) Lift.

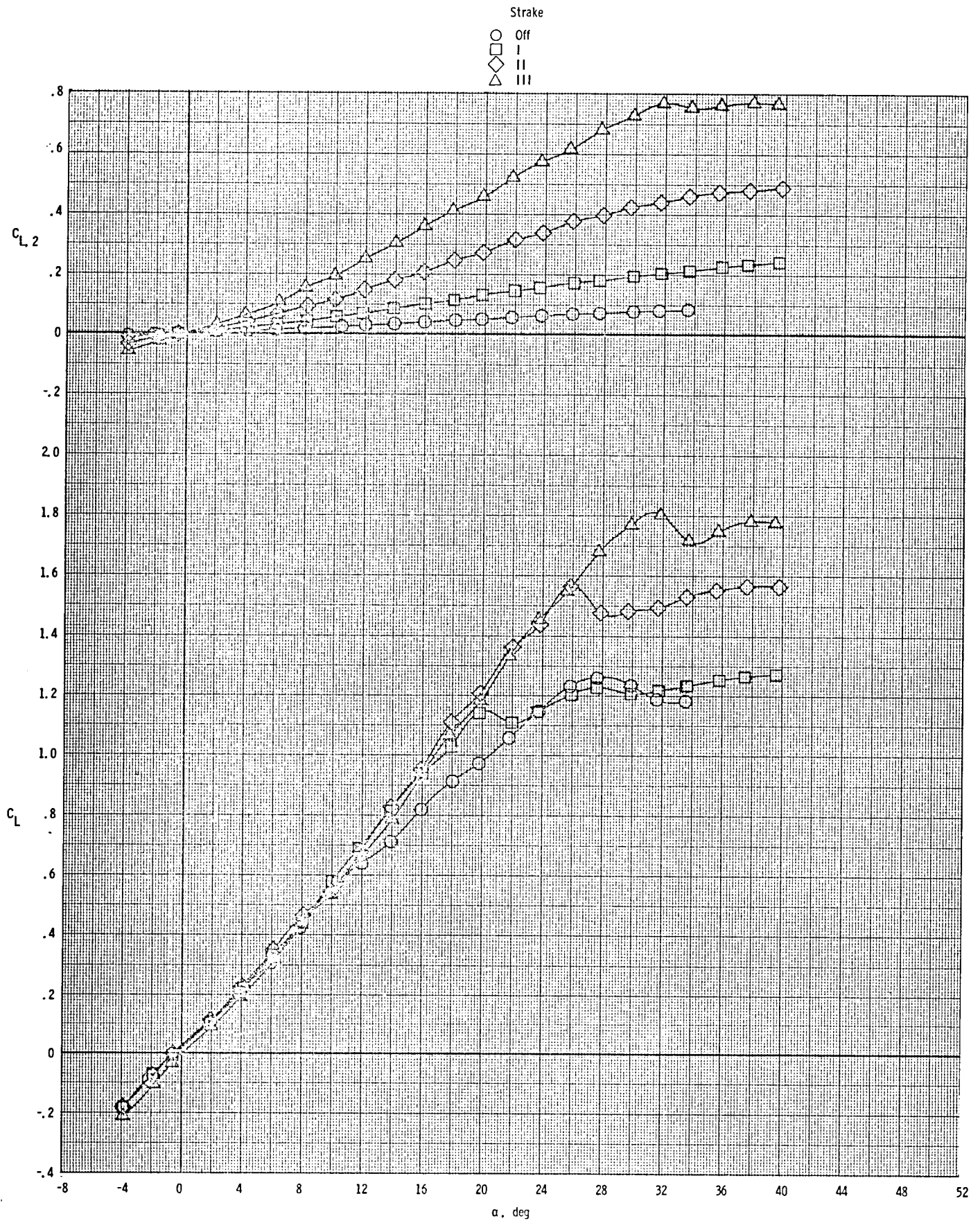
Figure 6. - Strake span effect on longitudinal aerodynamic characteristics.  $\Lambda = 50^\circ$ ,  $M = 0.3$ .



(b) Drag.  
Figure 6. - Continued.

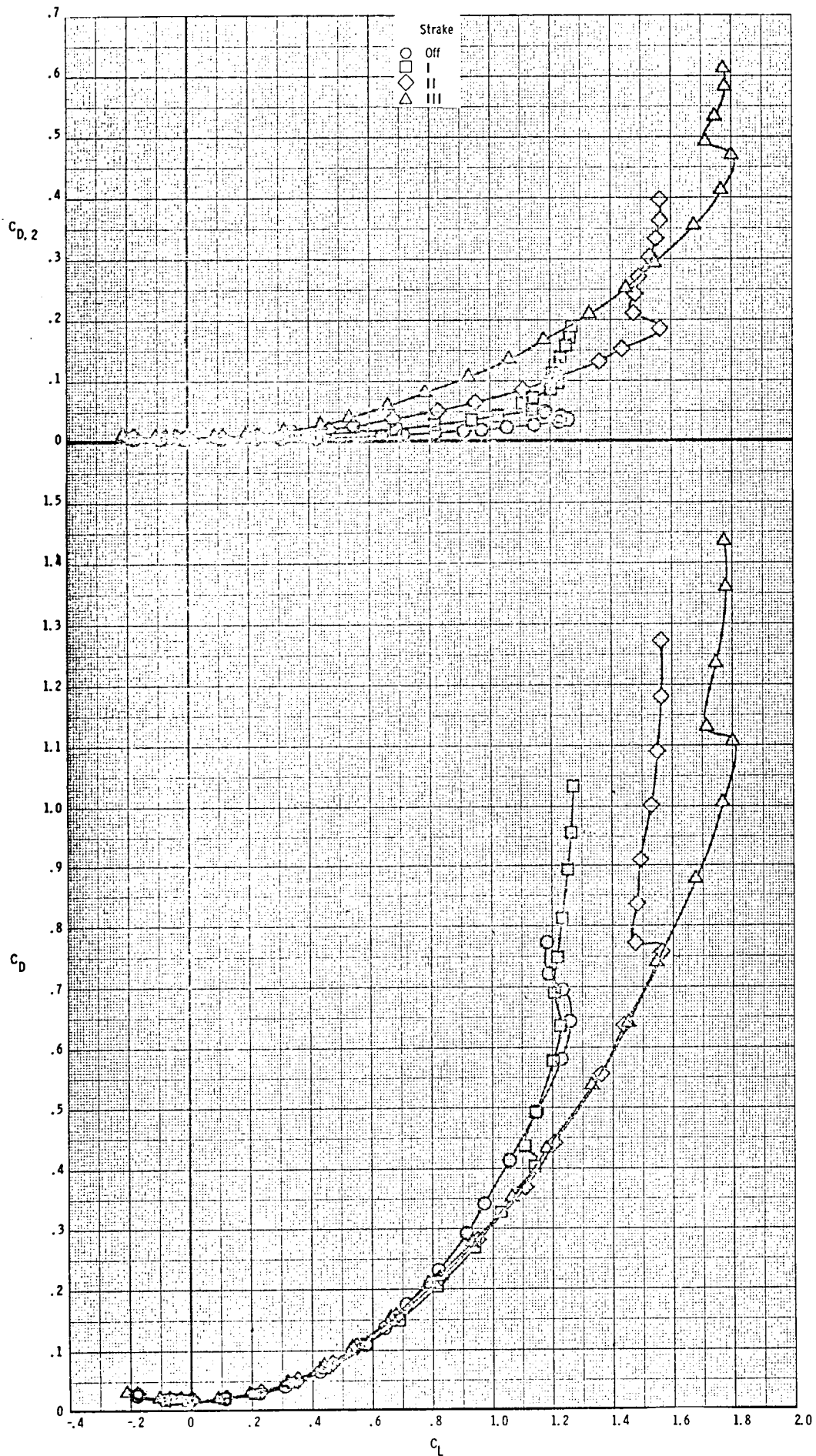


(c) Pitching moment.  
Figure 6. - Concluded.

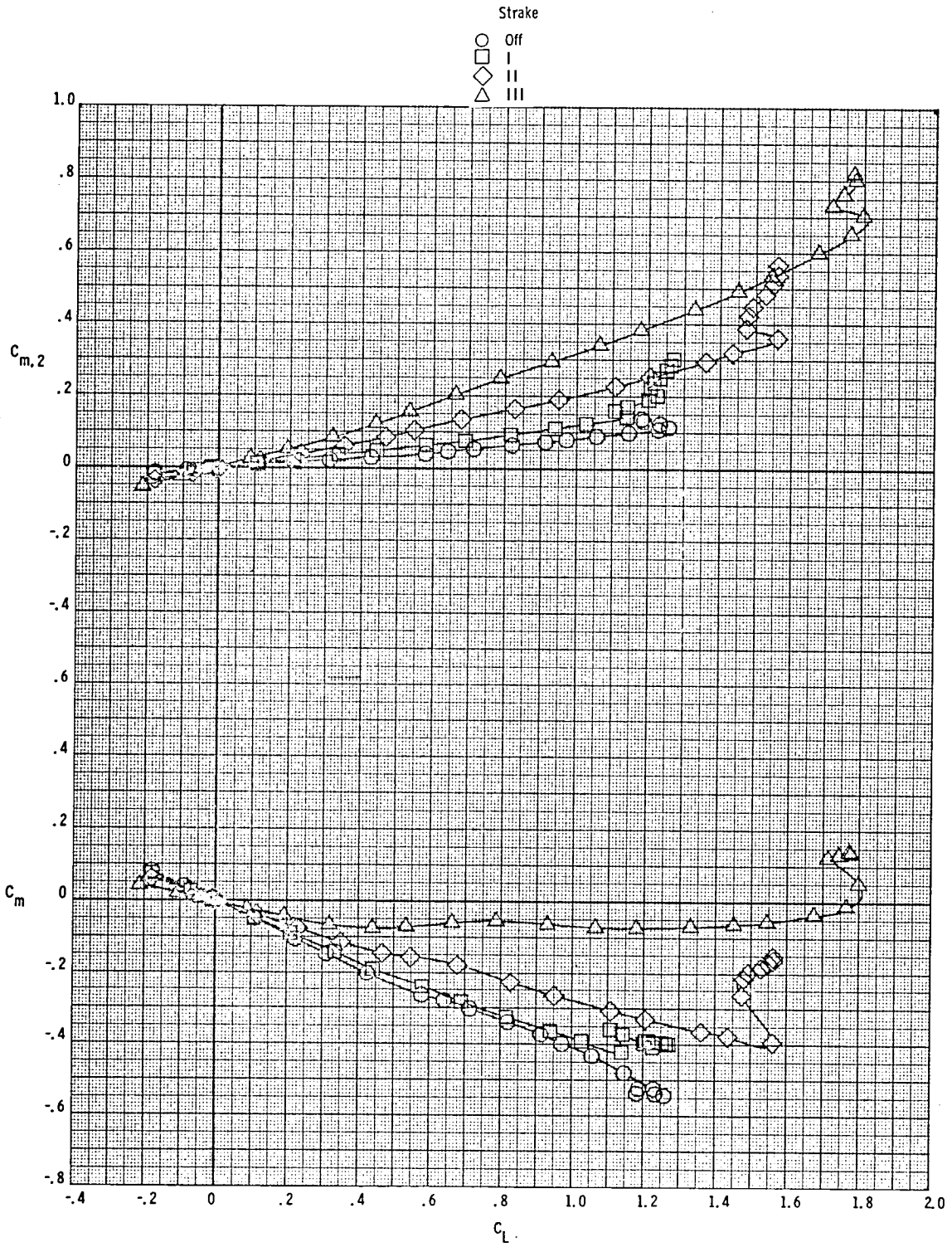


(a) Lift.

Figure 7. - Strake span effect on longitudinal aerodynamic characteristics.  $\Lambda_w = 59.45^\circ$ ,  $M_\infty = 0.3$ .



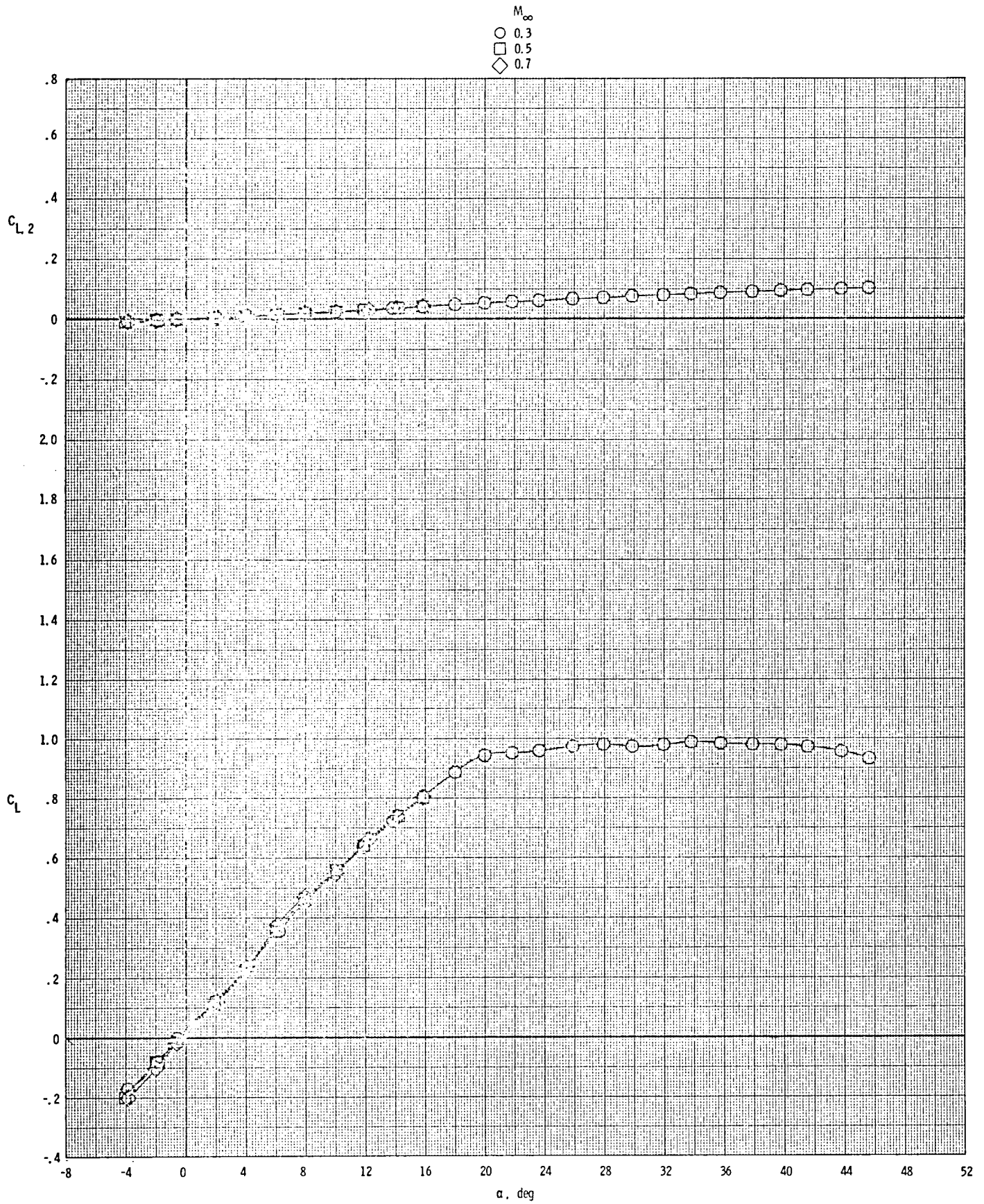
(b) Drag.  
Figure 7. - Continued.



(c) Pitching moment.

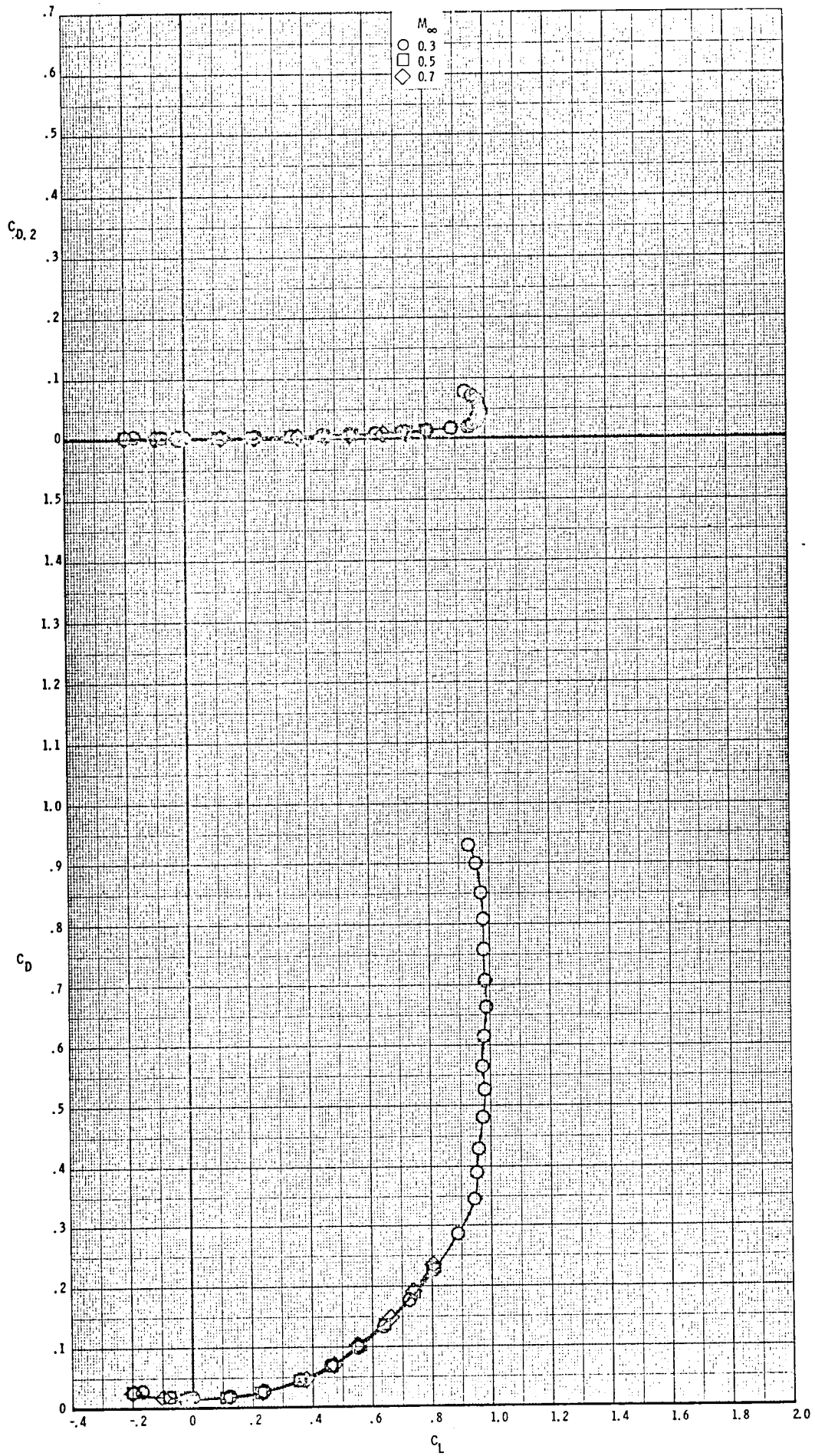
Figure 7. - Concluded.



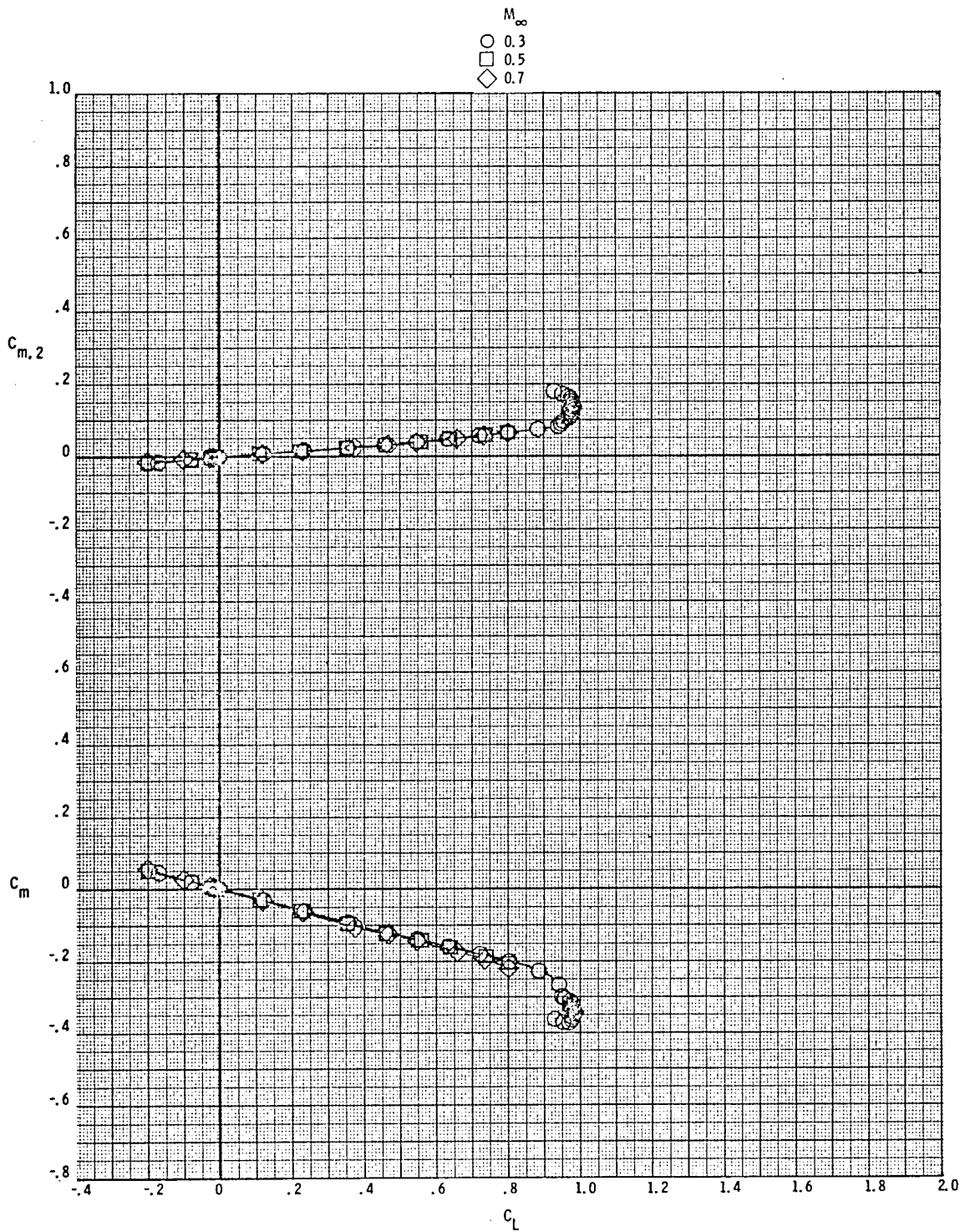


(a) Lift.

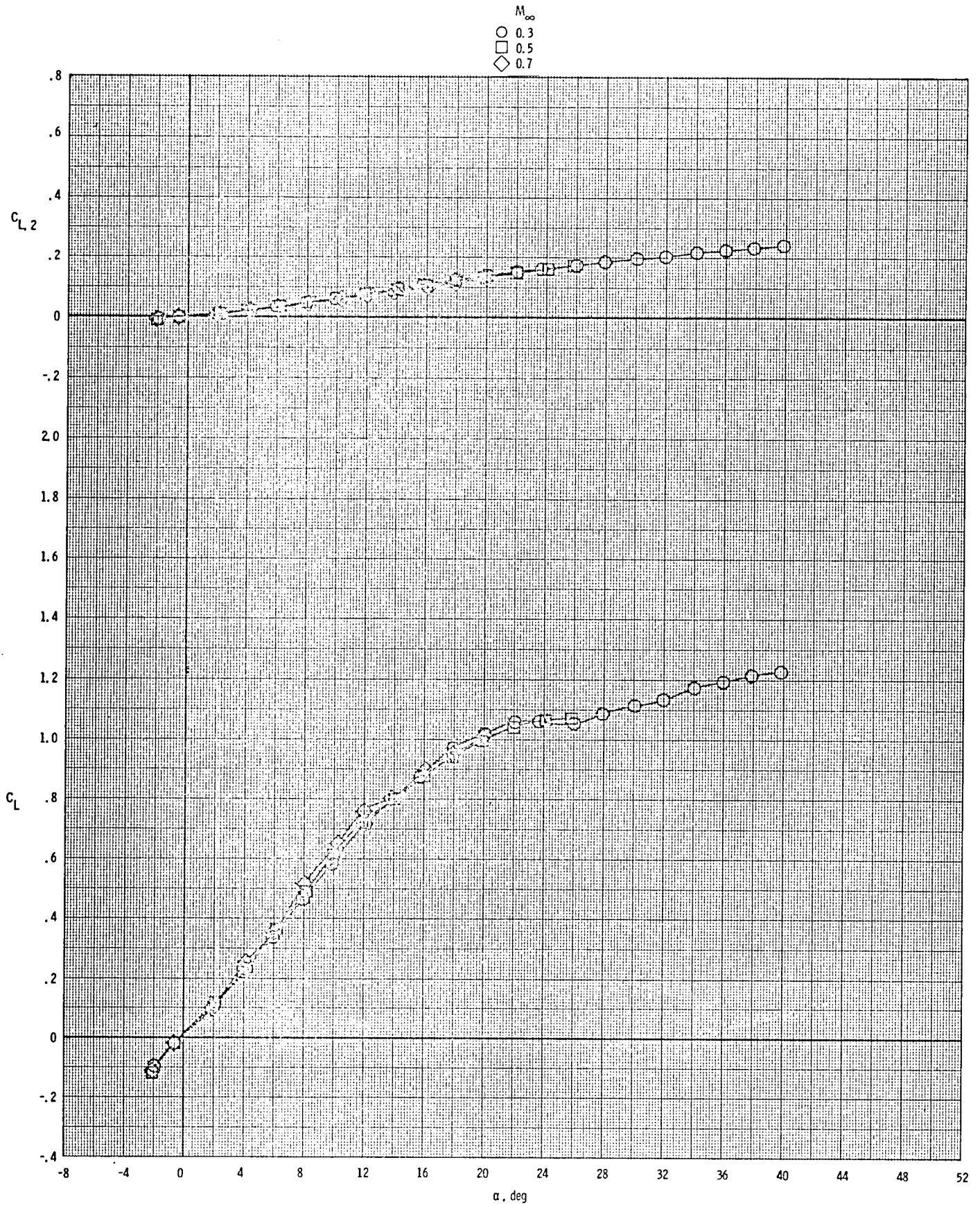
Figure 8. - Effect of Mach number on longitudinal aerodynamic characteristics.  $\Lambda_w = 50^\circ$ , strake off.



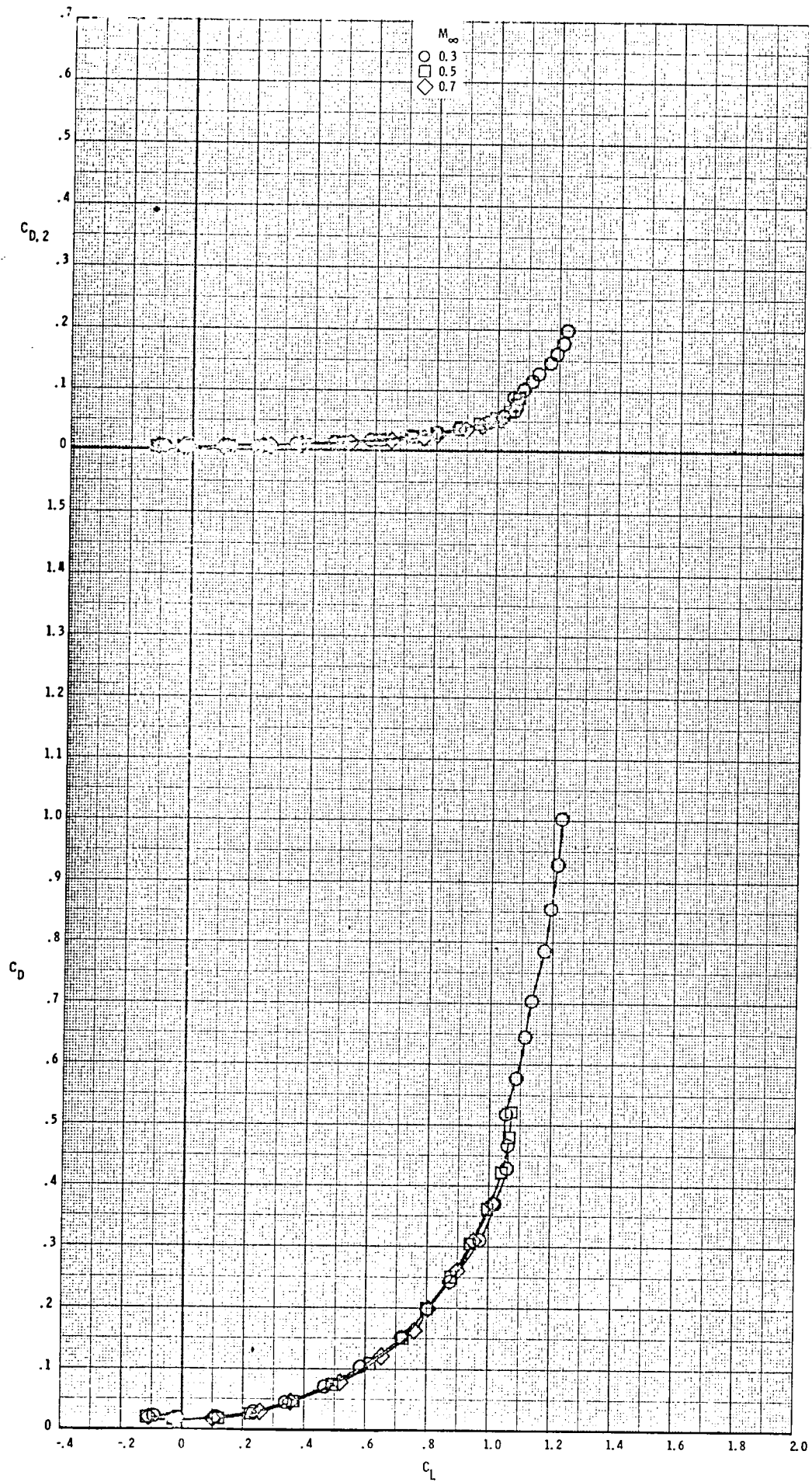
(b) Drag.  
Figure 8. - Continued.



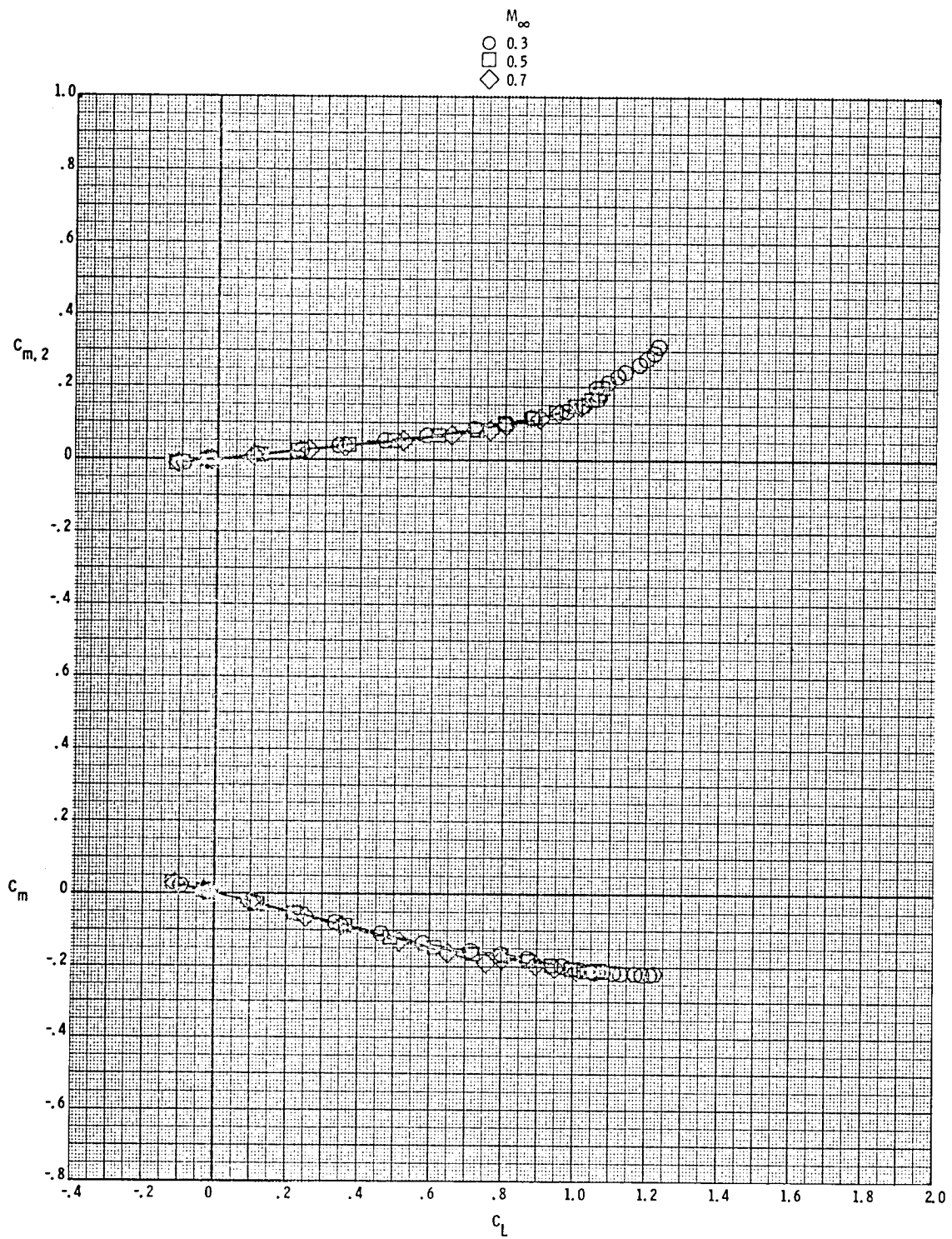
(c) Pitching moment.  
Figure 8. - Concluded.



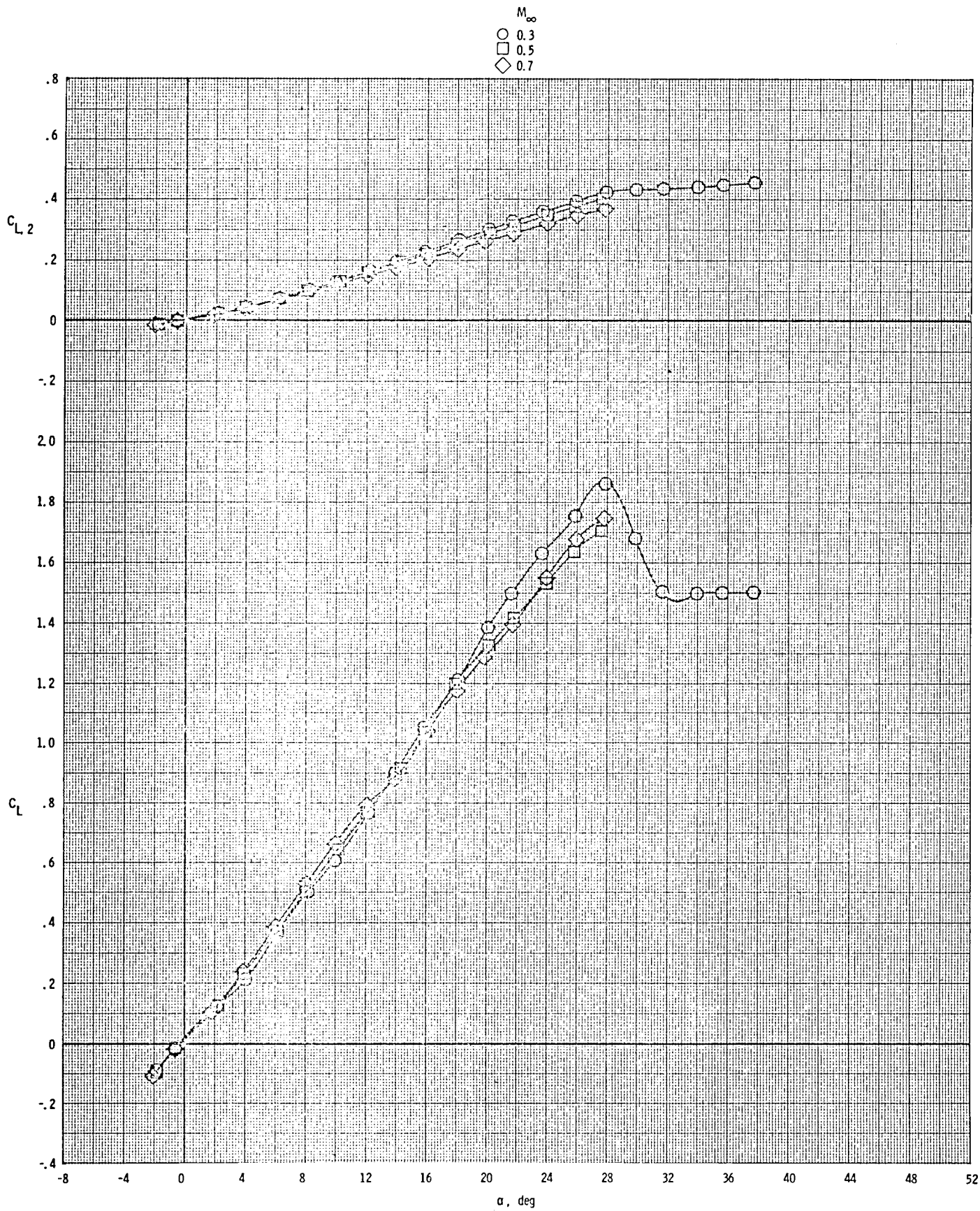
(a) Lift.  
 Figure 9. - Effect of Mach number on longitudinal aerodynamic characteristics.  $\Lambda_w = 50^\circ$ , strake I.



(b) Drag.  
Figure 9. - Continued.

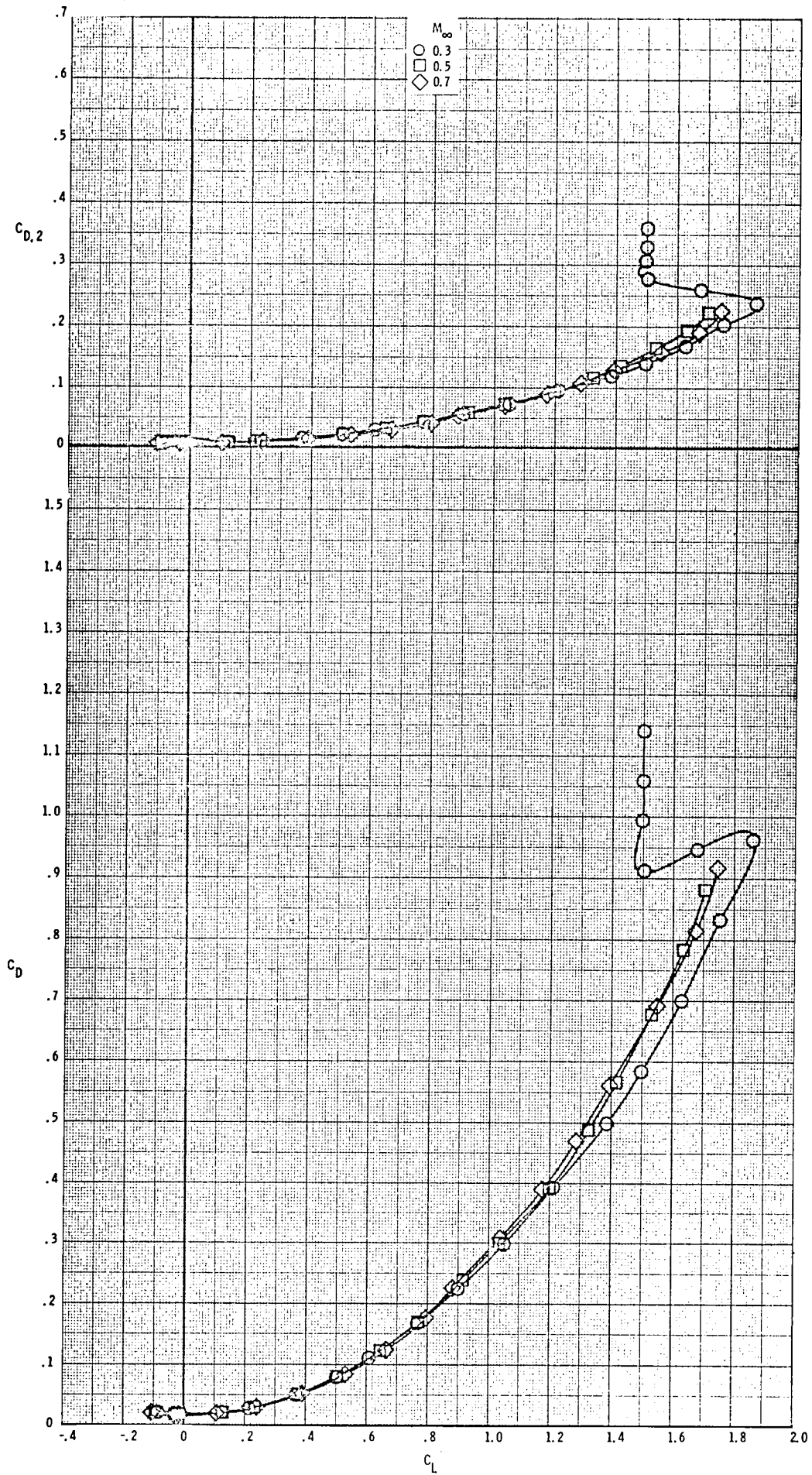


(c) Pitching moment.  
 Figure 9. - Concluded.



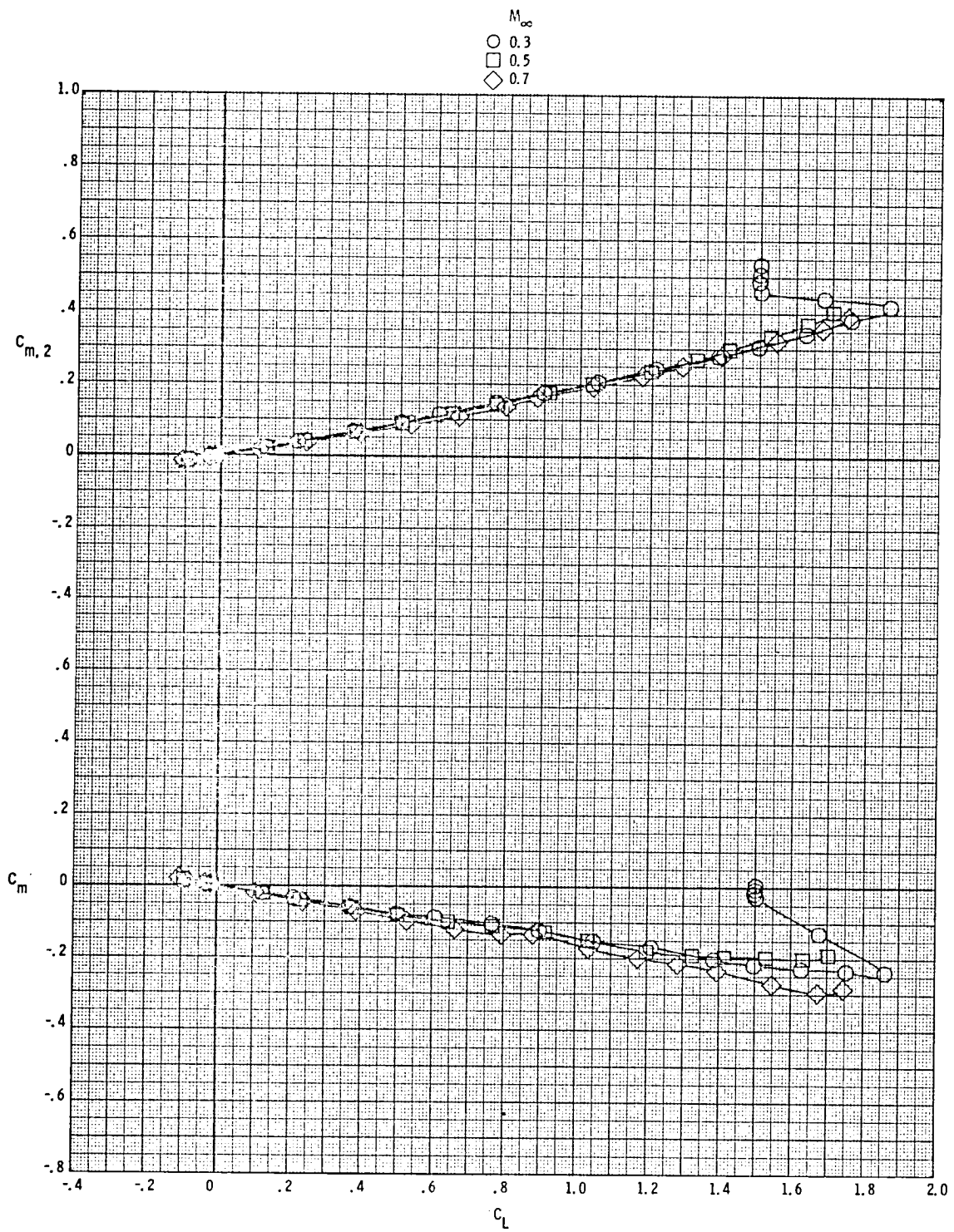
(a) Lift.

Figure 10. - Effect of Mach number on longitudinal aerodynamic characteristics.  $\Lambda_w = 50^\circ$ , strake II.

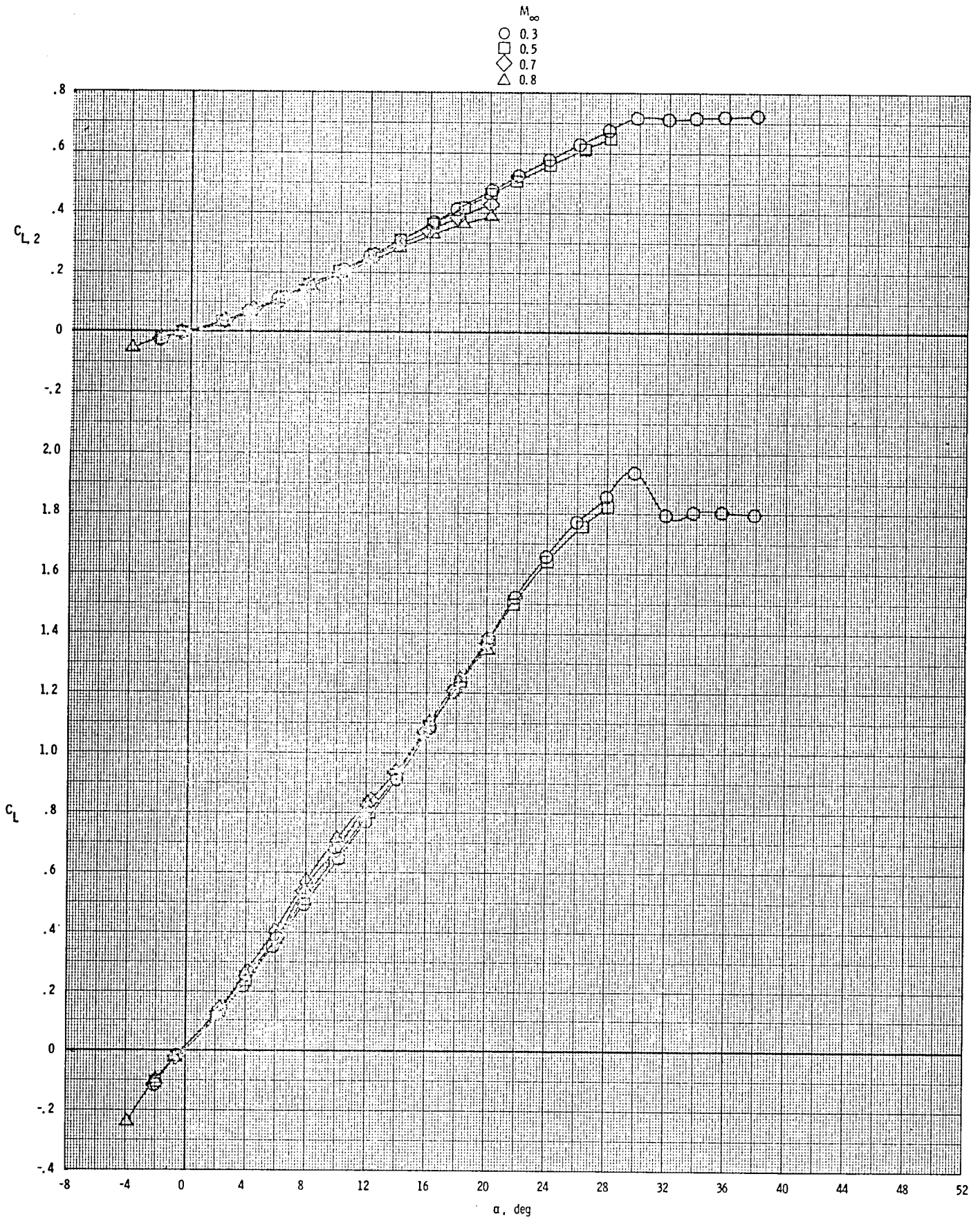


(b) Drag.  
Figure 10. - Continued.



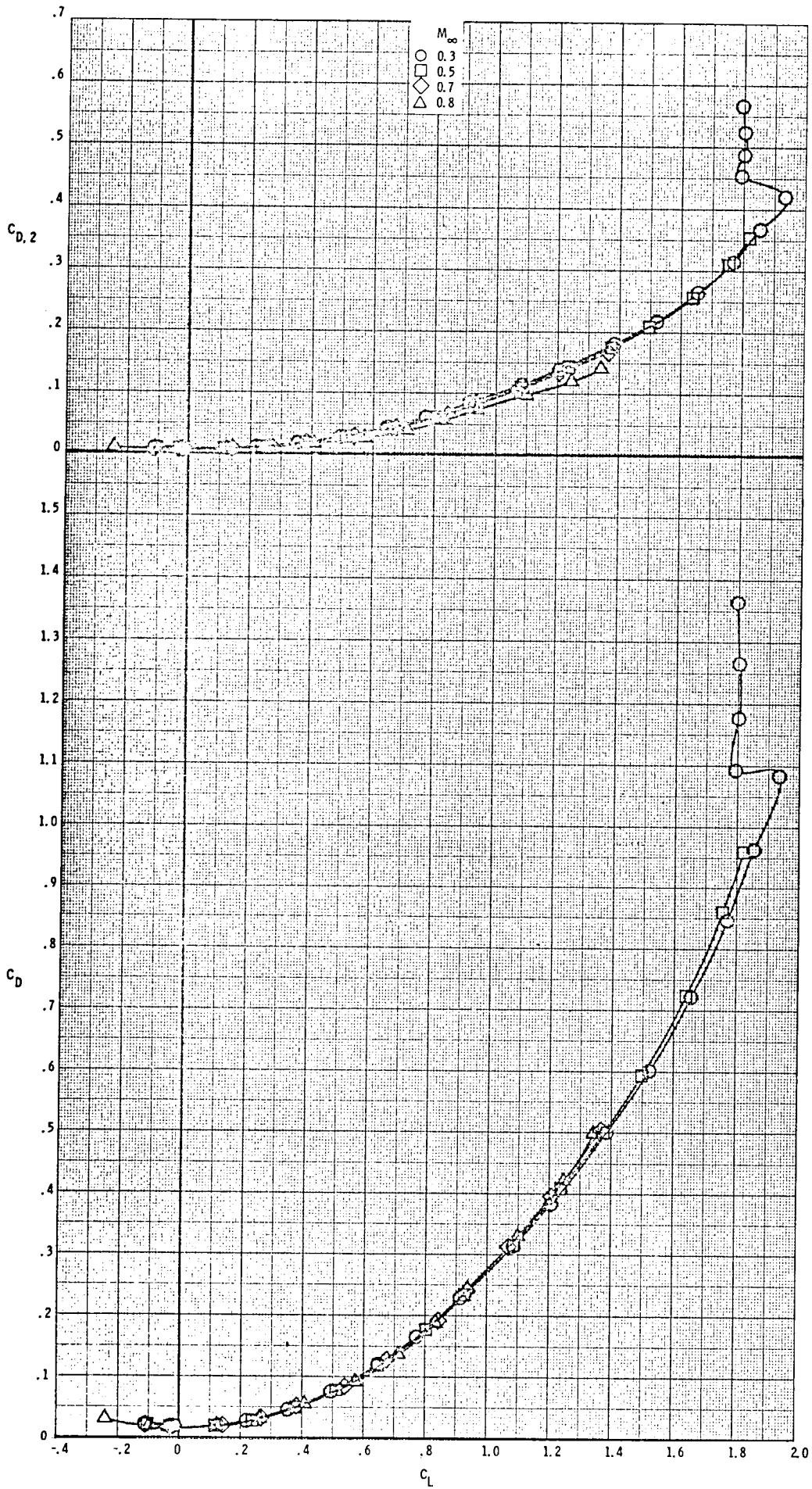


(c) Pitching moment.  
Figure 10. - Concluded.

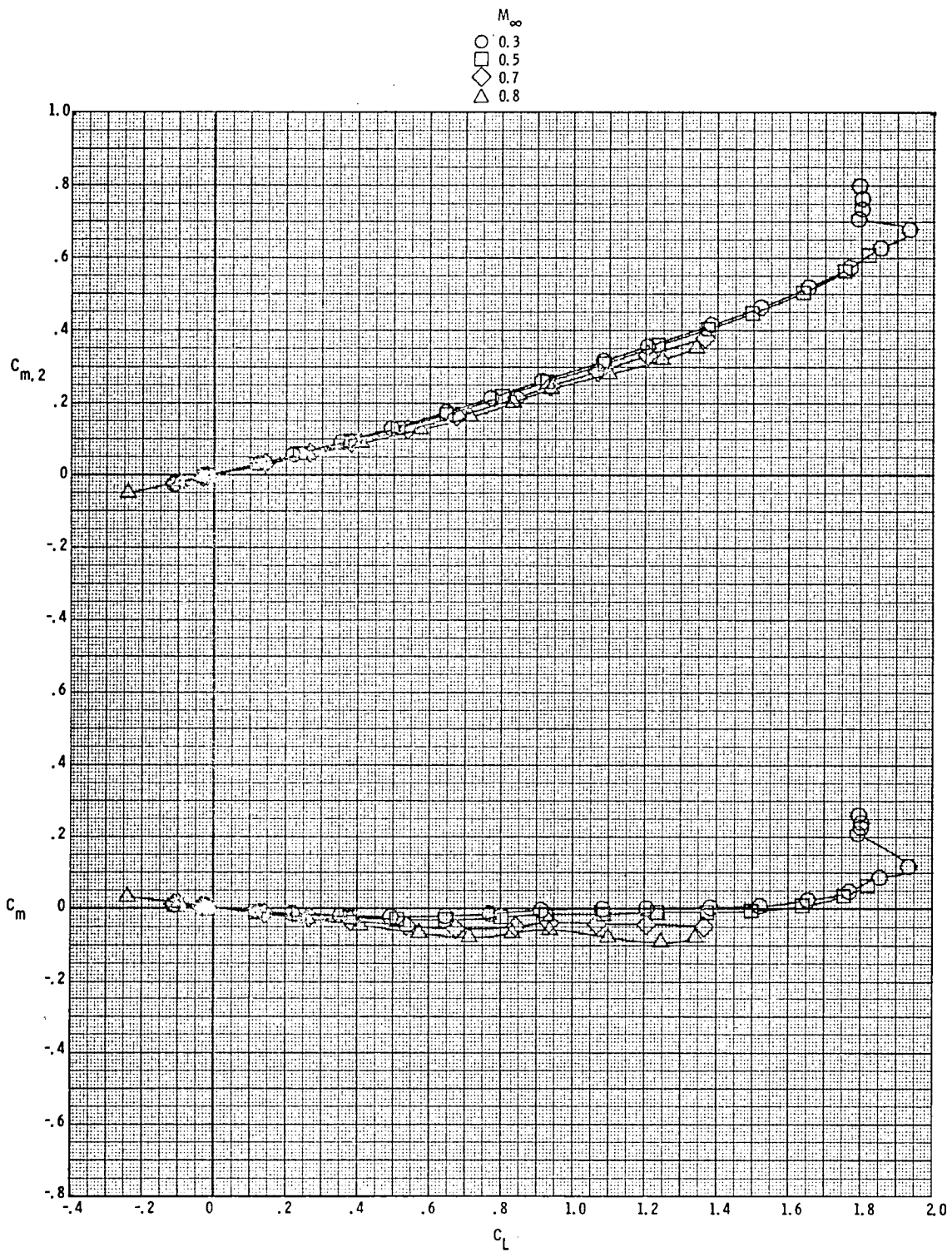


(a) Lift.

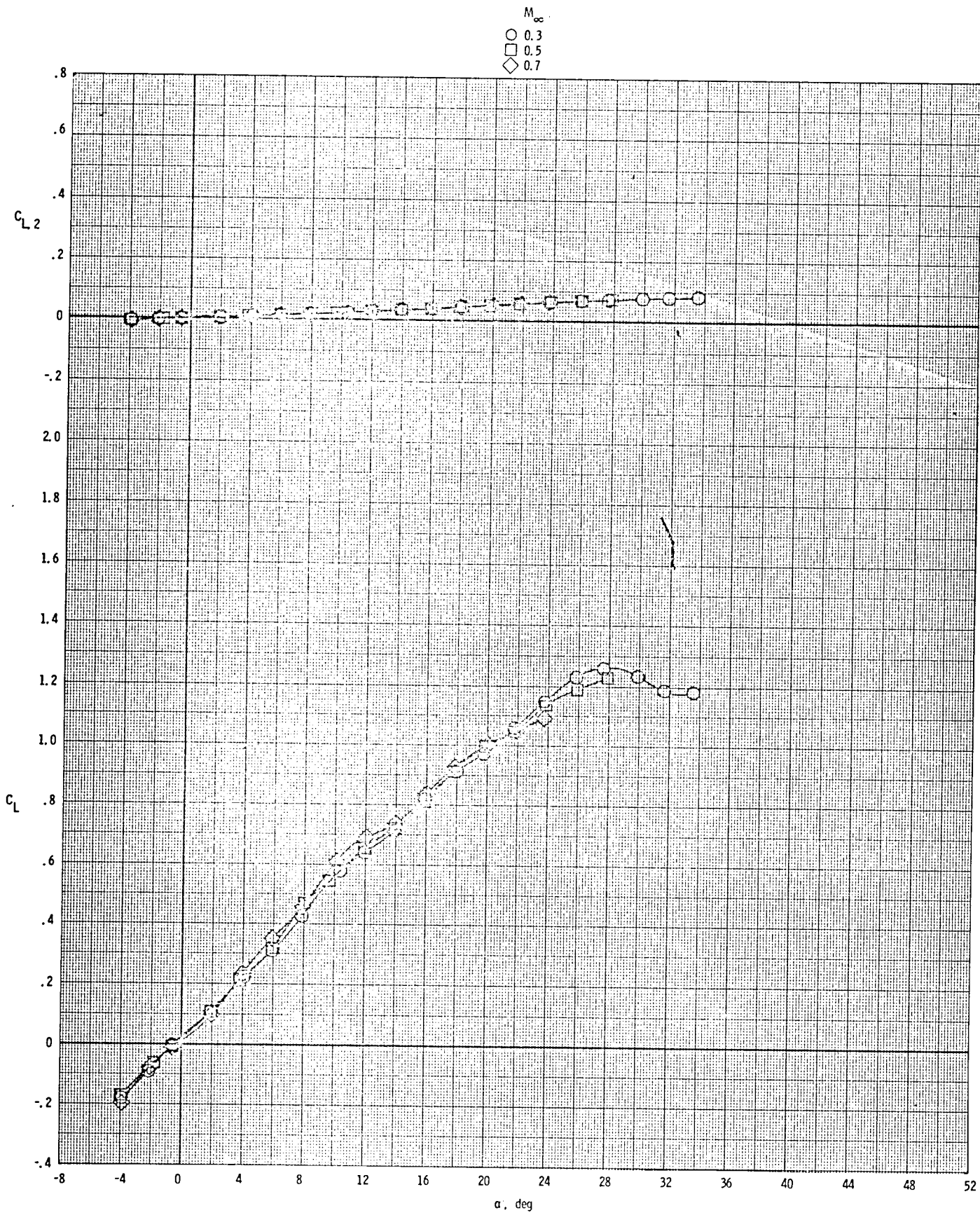
Figure 11. - Effect of Mach number on longitudinal aerodynamic characteristics.  $\Lambda_w = 50^\circ$ , strake III.



b) Drag.  
Figure 11. - Continued.

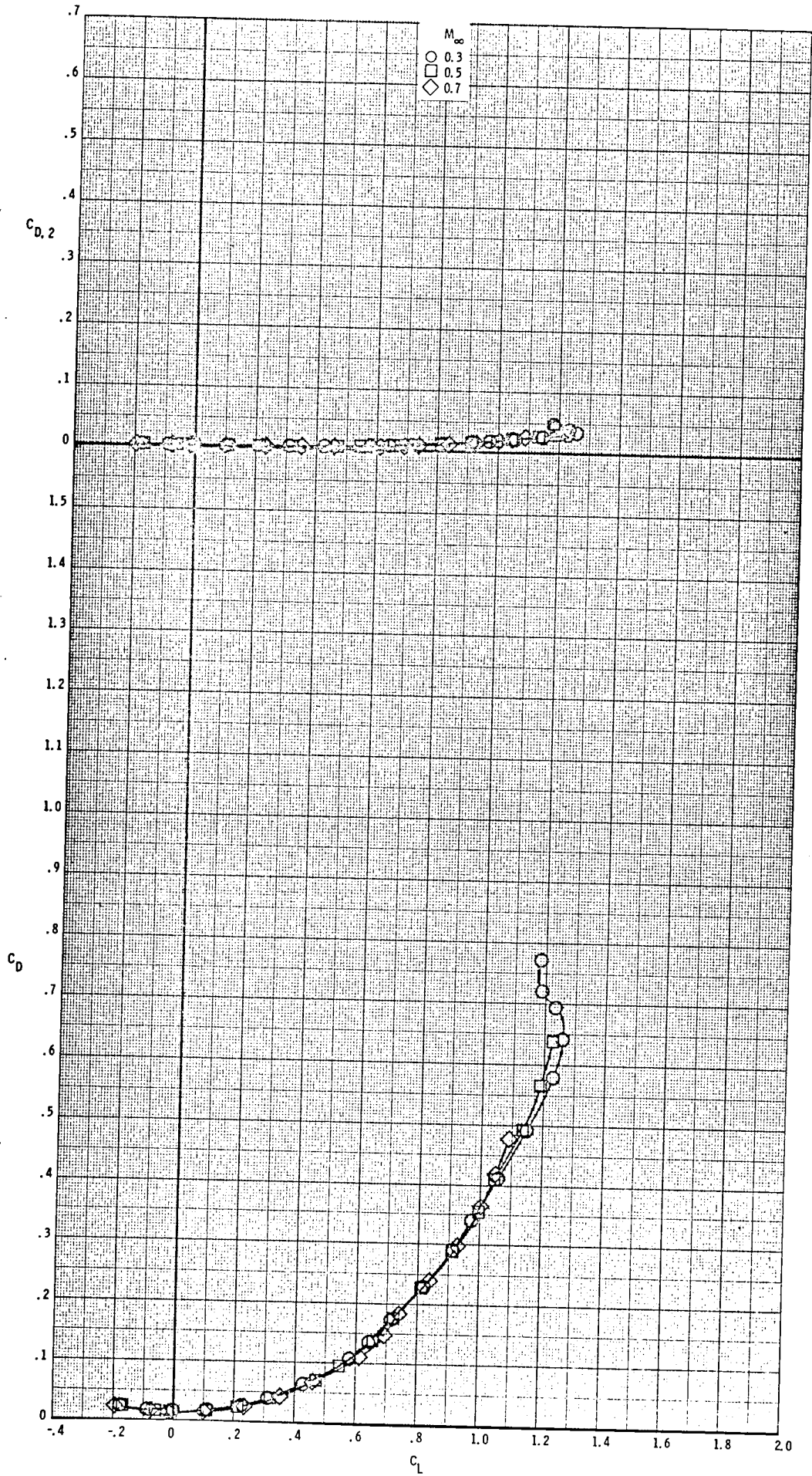


(c) Pitching moment.  
 Figure 11. - Concluded.

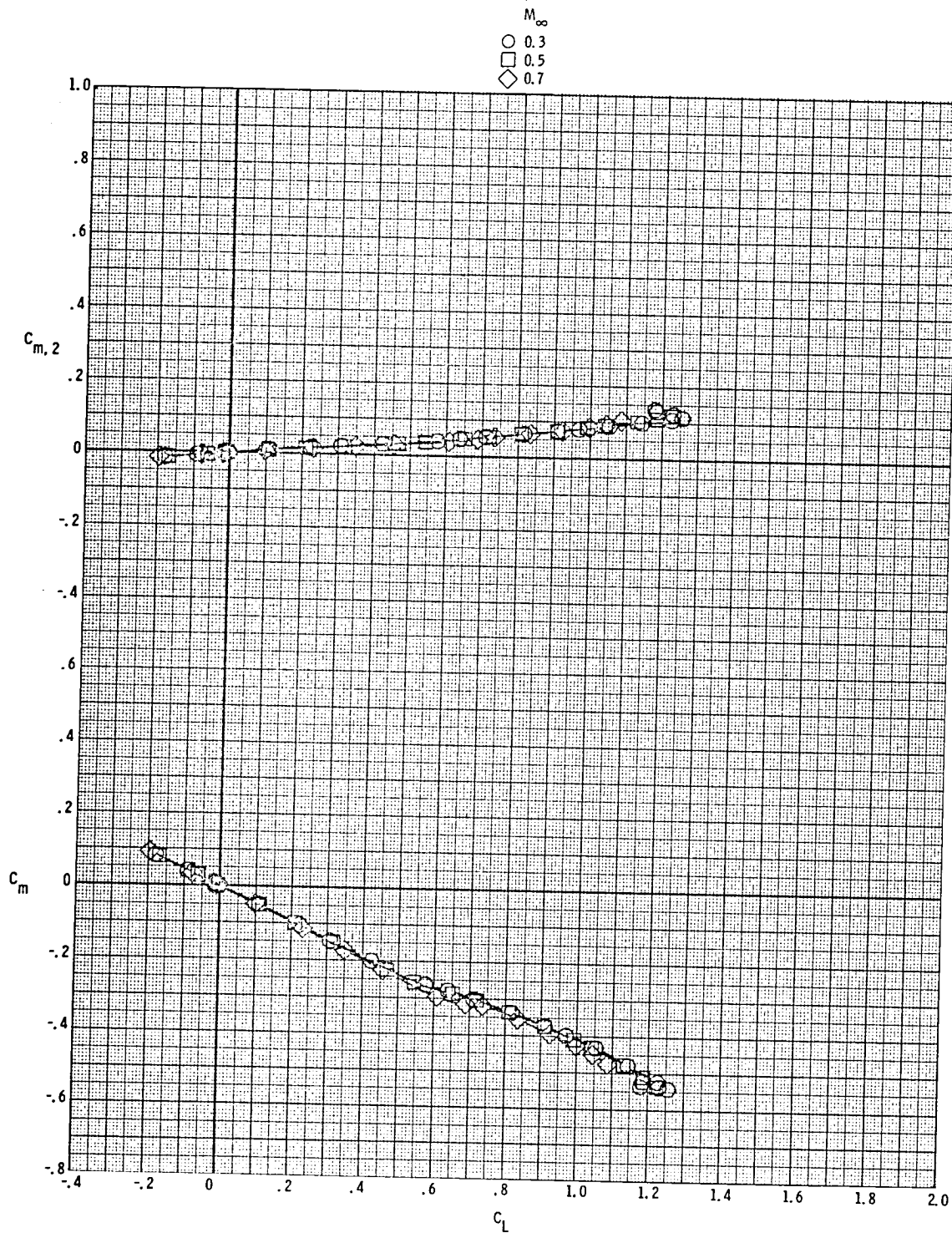


(a) Lift.

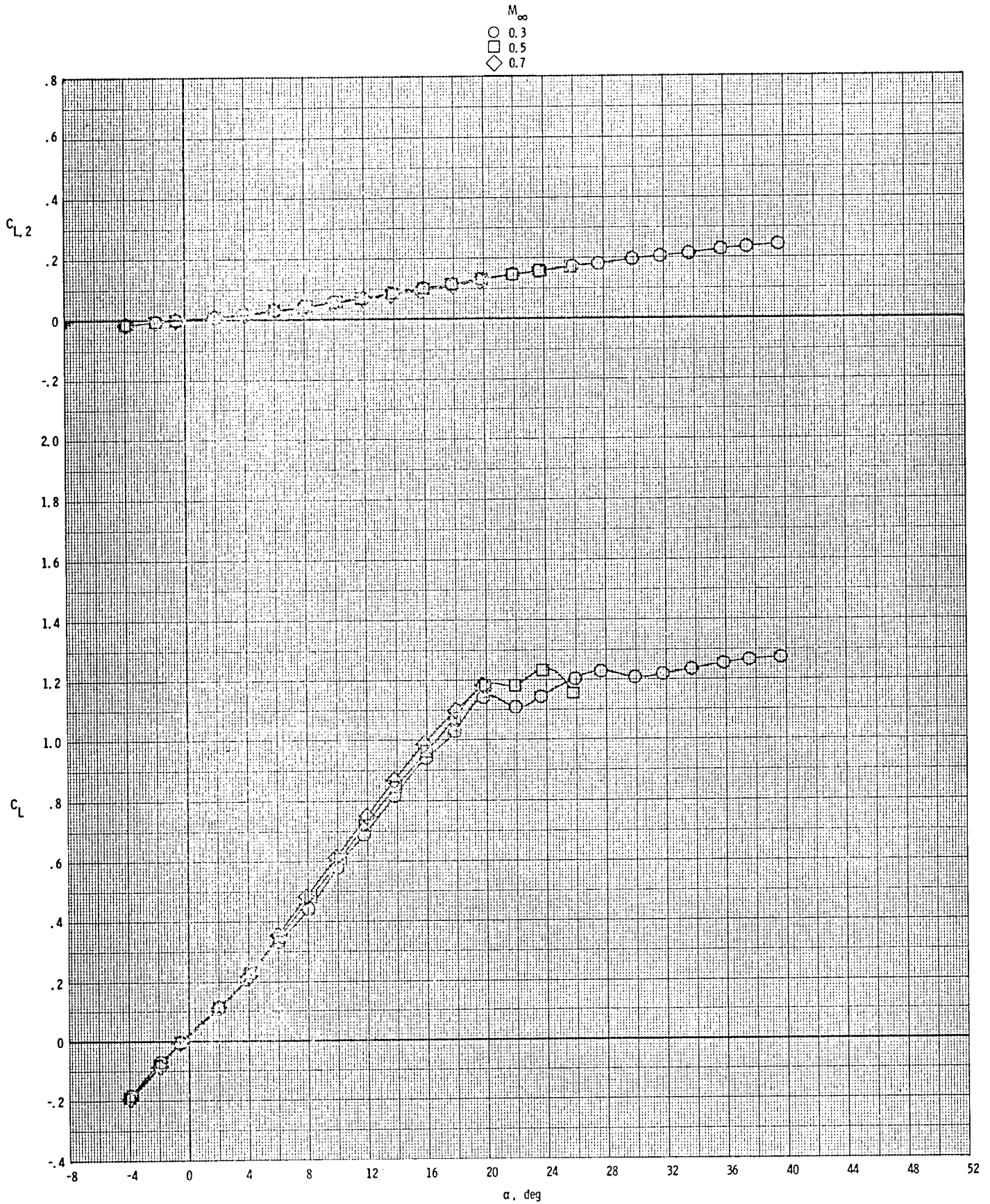
Figure 12. - Effect of Mach number on longitudinal aerodynamic characteristics.  $\Lambda_w = 59.45^\circ$ , strake off.



(b) Drag.  
Figure 12. - Continued.



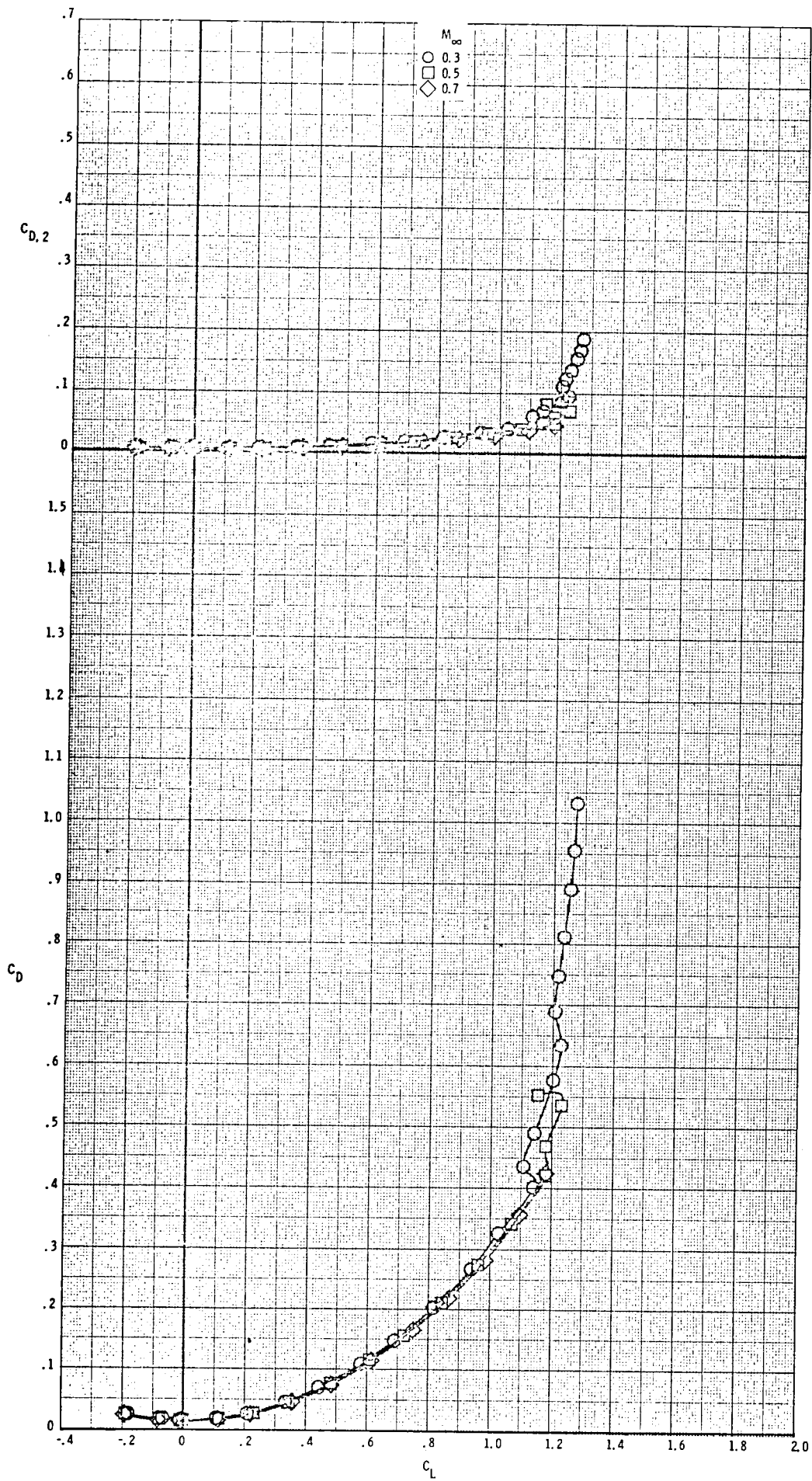
(c) Pitching moment.  
 Figure 12. - Concluded.



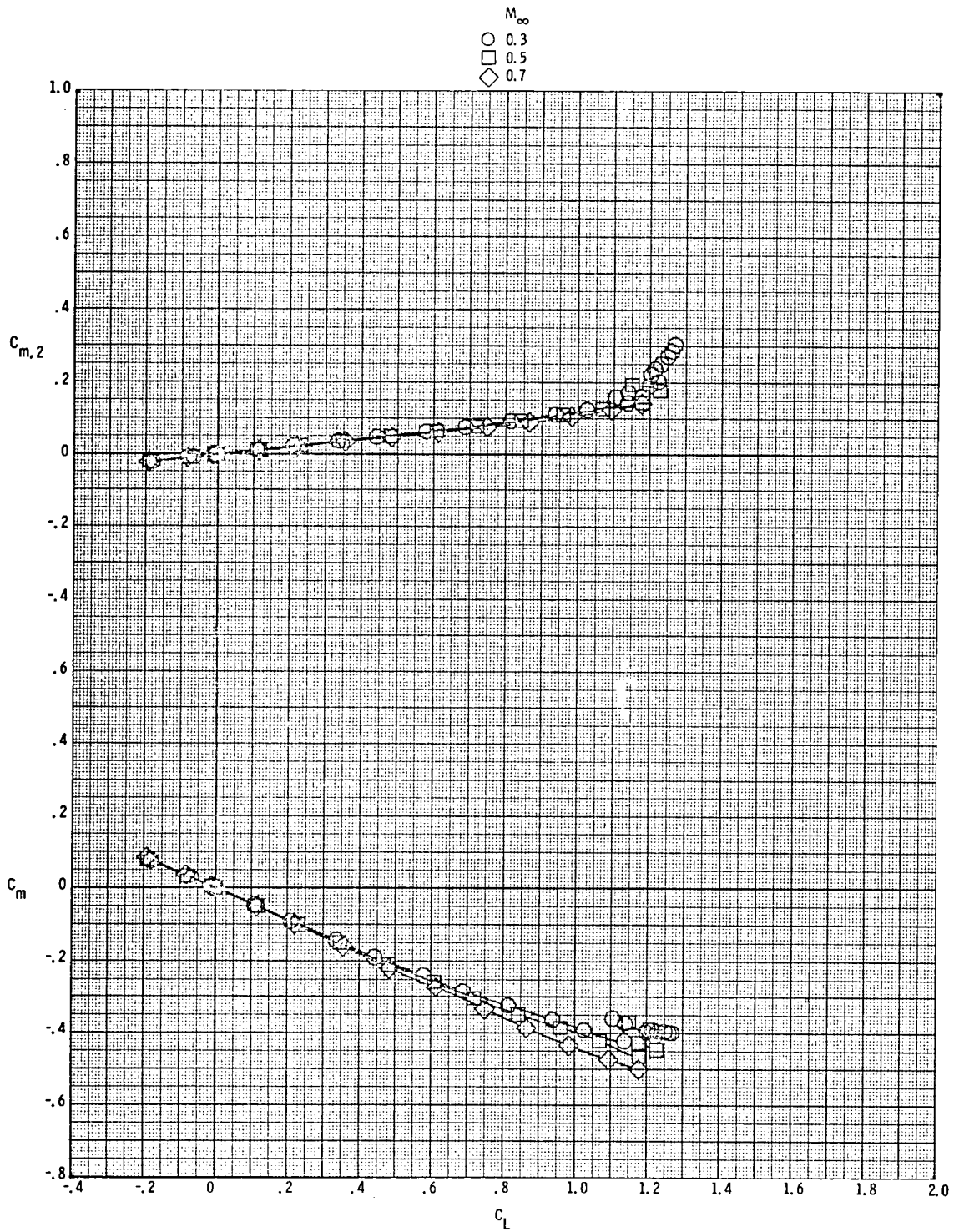
(a) Lift.

Figure 13. - Effect of Mach number on longitudinal aerodynamic characteristics.  $\Lambda_w = 59.45^\circ$ , strake I.

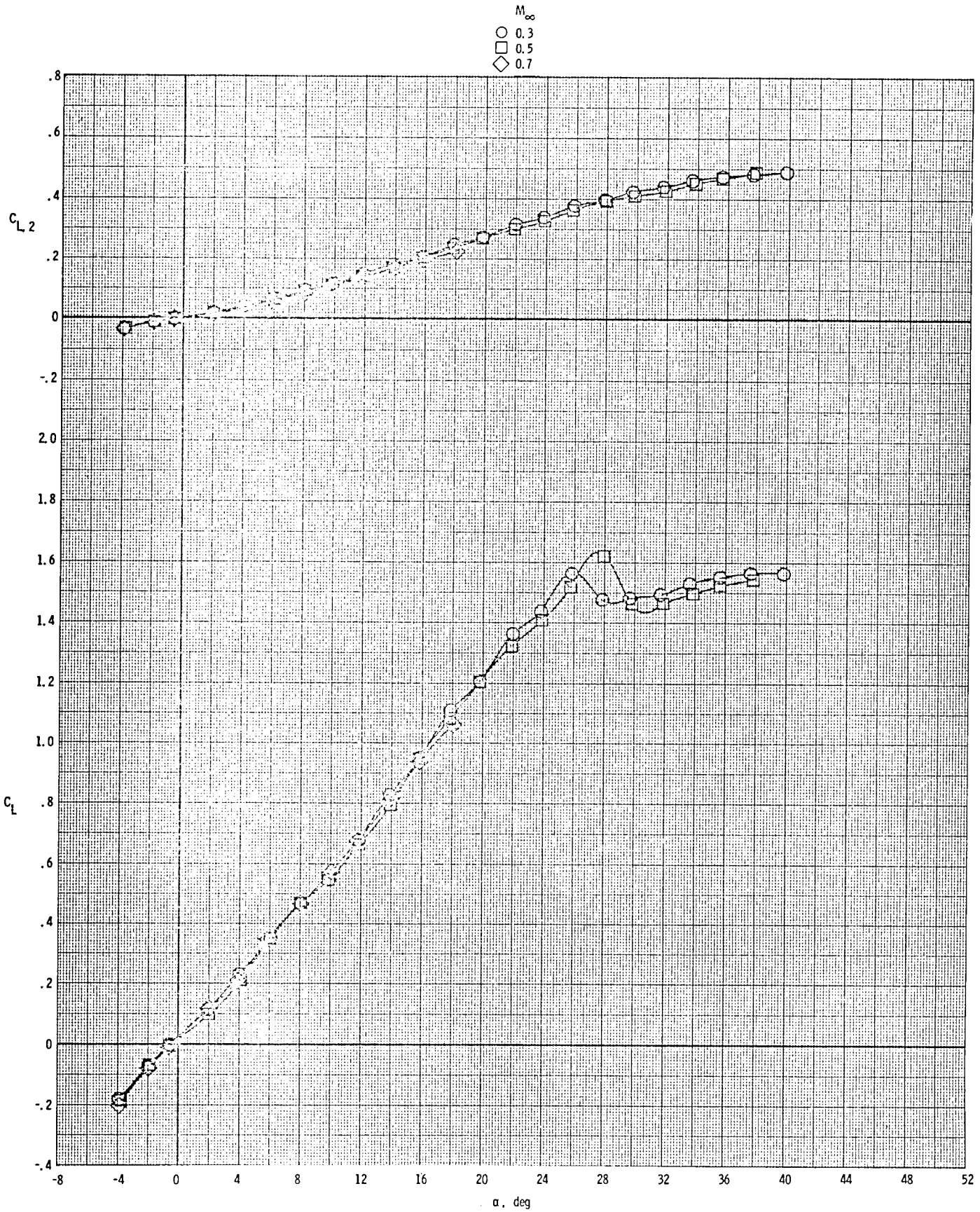




(b) Drag.  
Figure 13. - Continued.

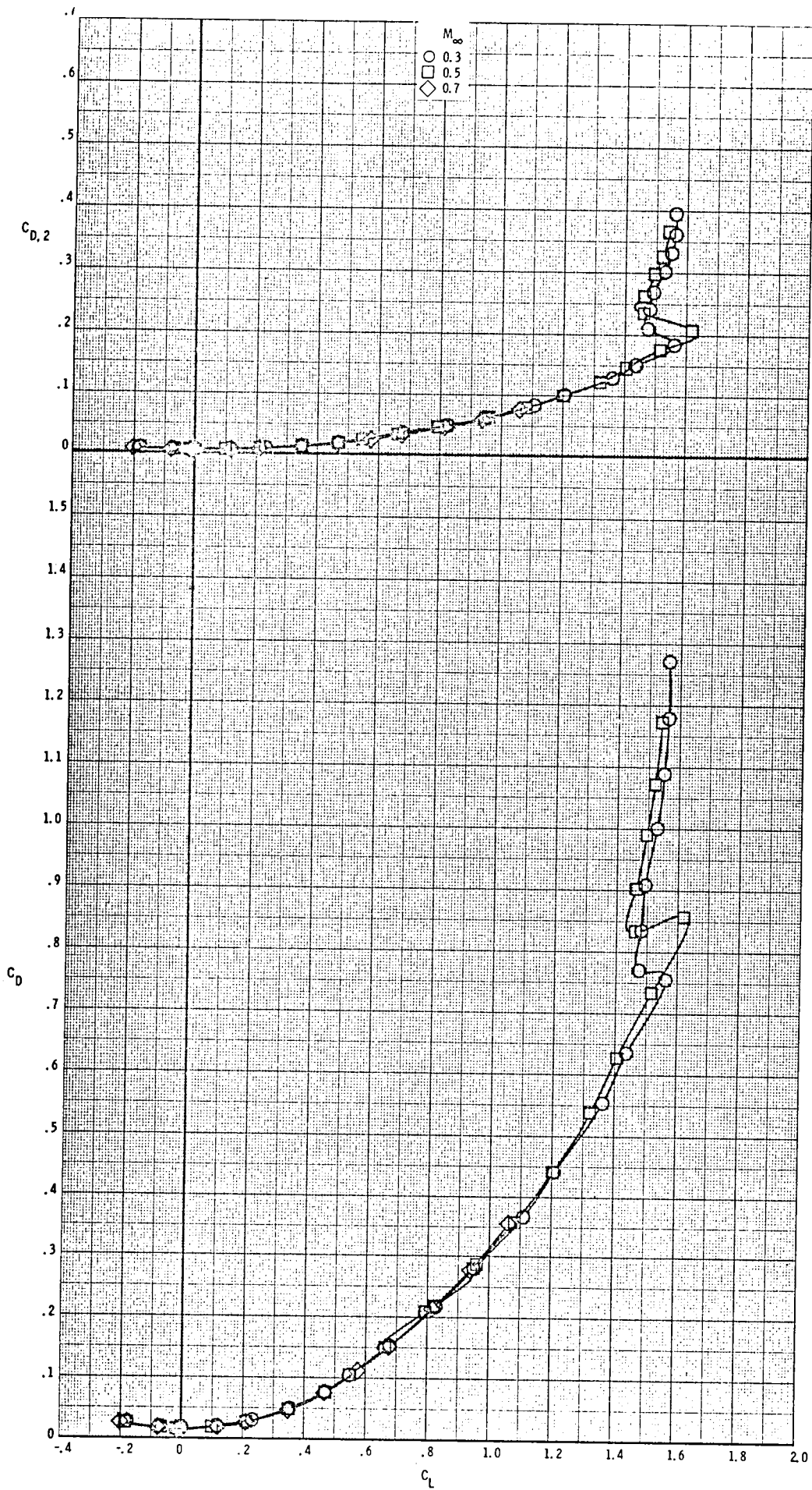


(c) Pitching moment.  
 Figure 13. - Concluded.

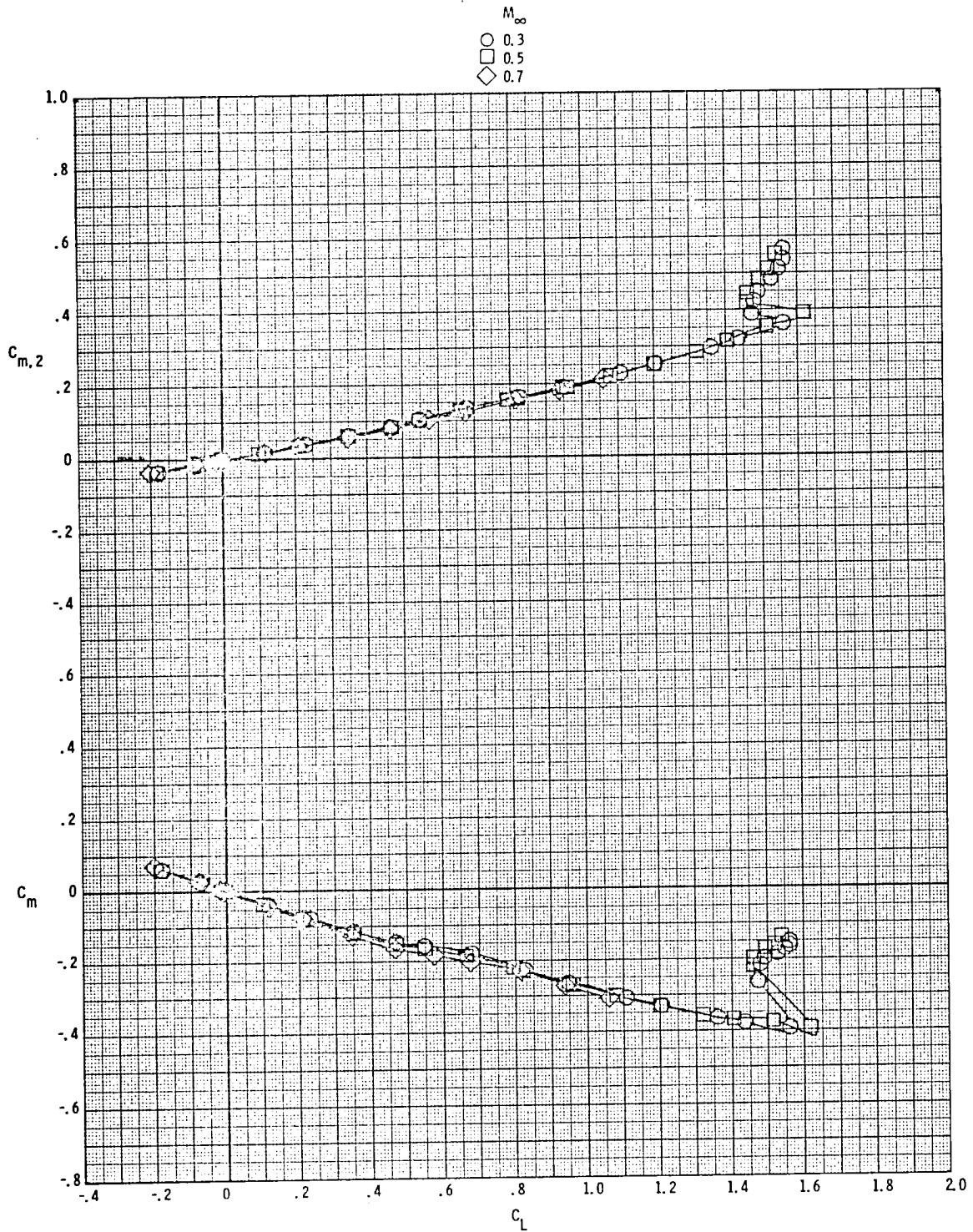


(a) Lift.

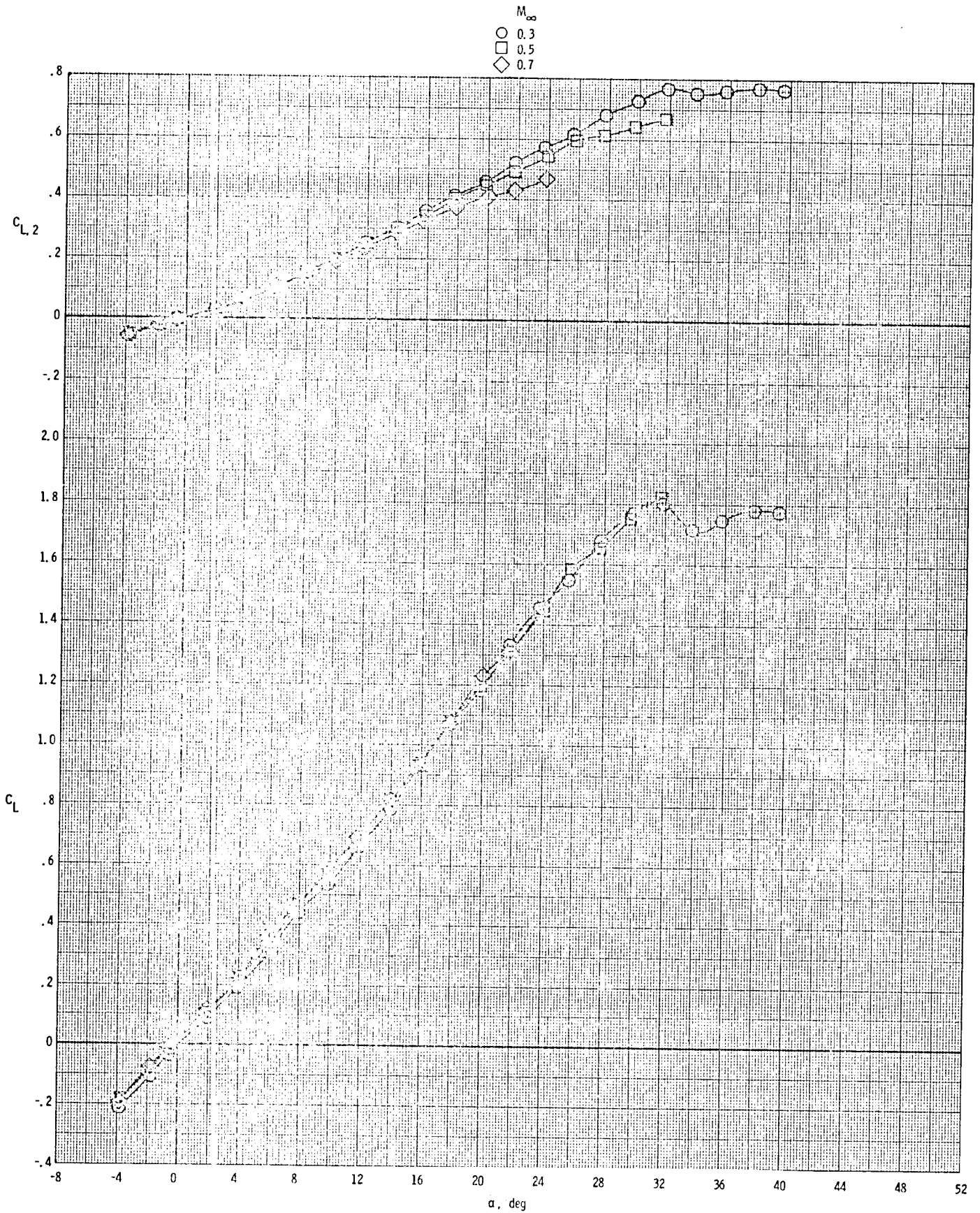
Figure 14. - Effect of Mach number on longitudinal aerodynamic characteristics.  $\Lambda_{tr} = 59.45^\circ$ , strake II.



(b) Drag.  
Figure 14. - Continued.

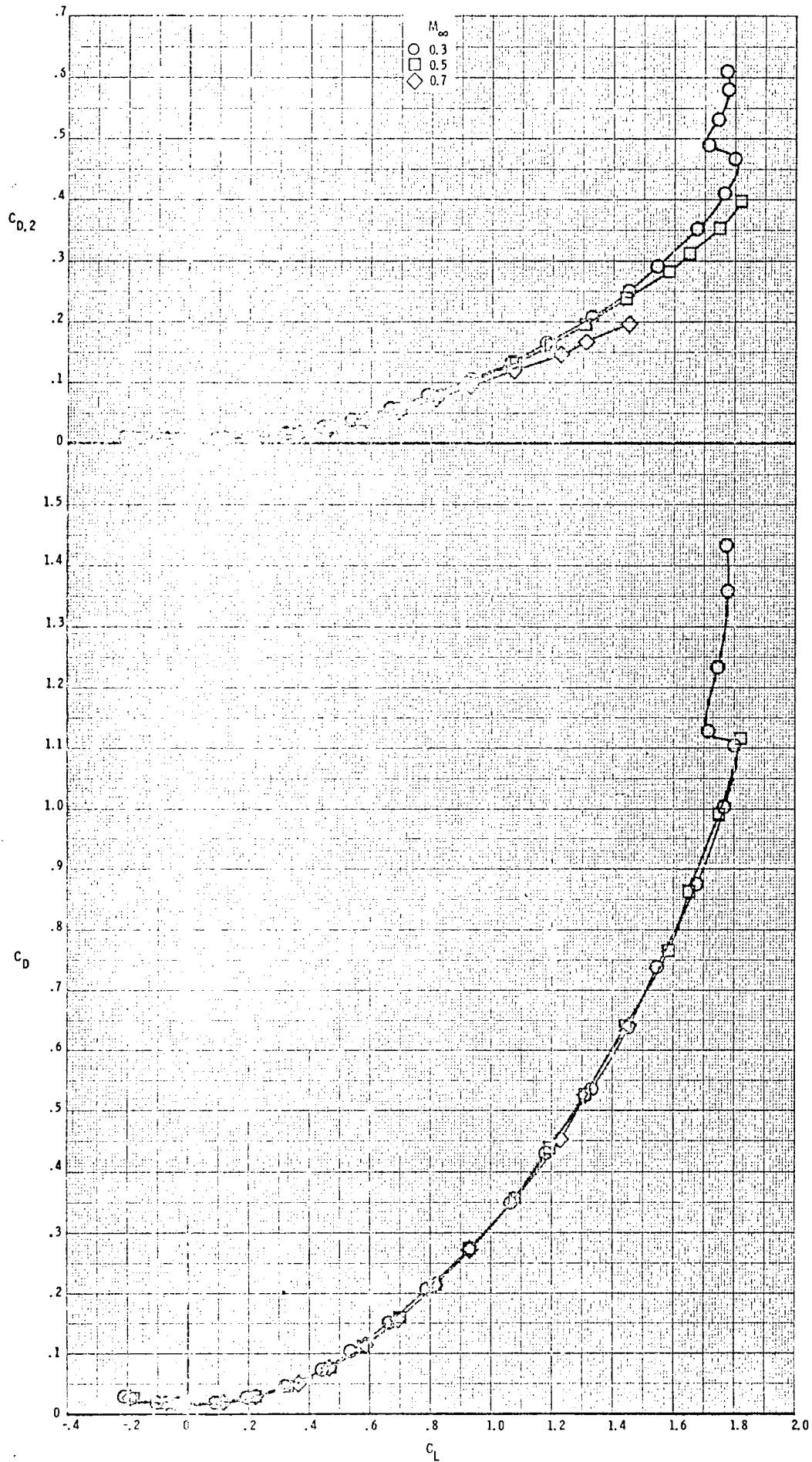


(c) Pitching moment.  
Figure 14. - Concluded.

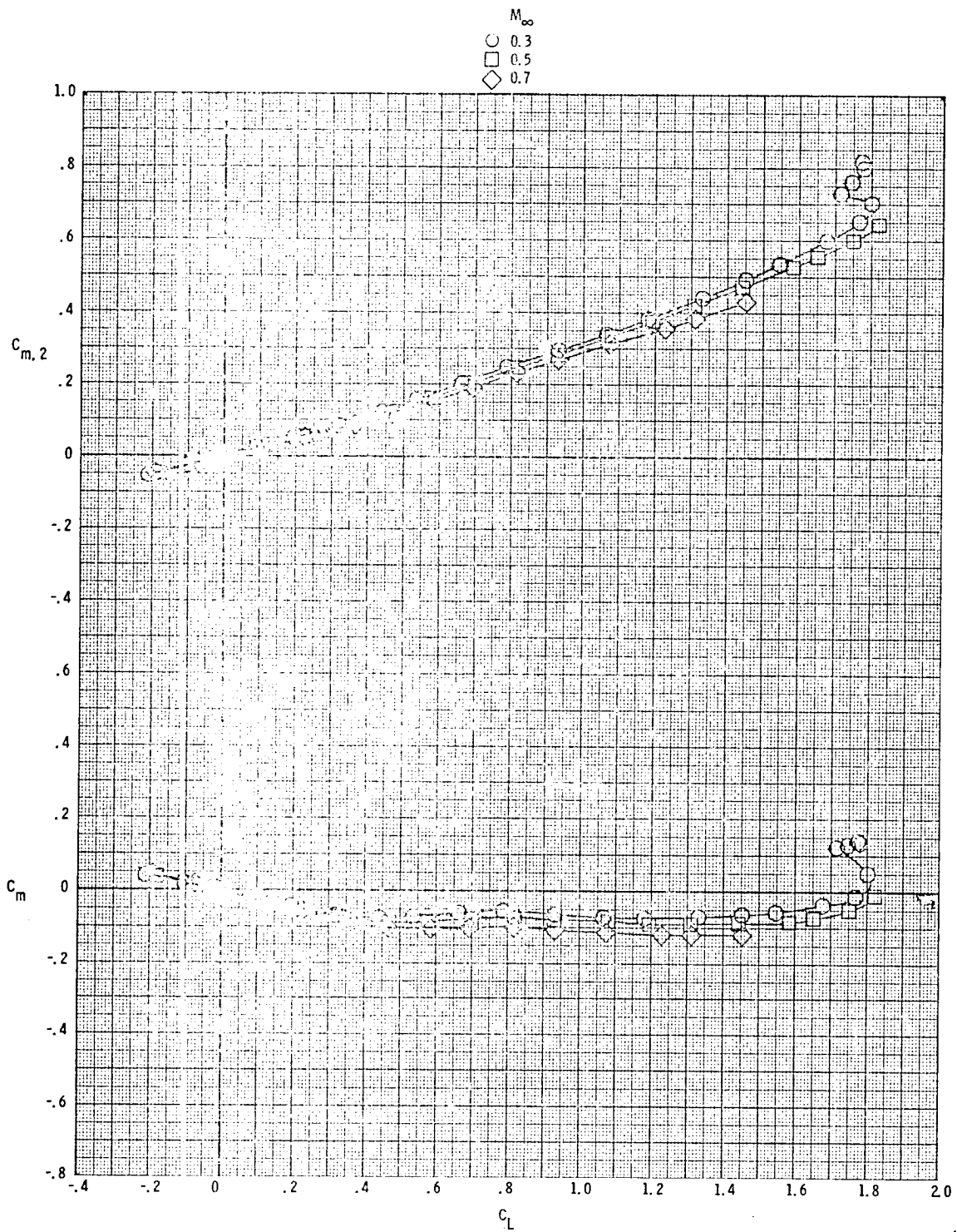


(a) Lift.

Figure 15. - Effect of Mach number on longitudinal aerodynamic characteristics.  $\Lambda_w = 59.45^\circ$ , strake III.

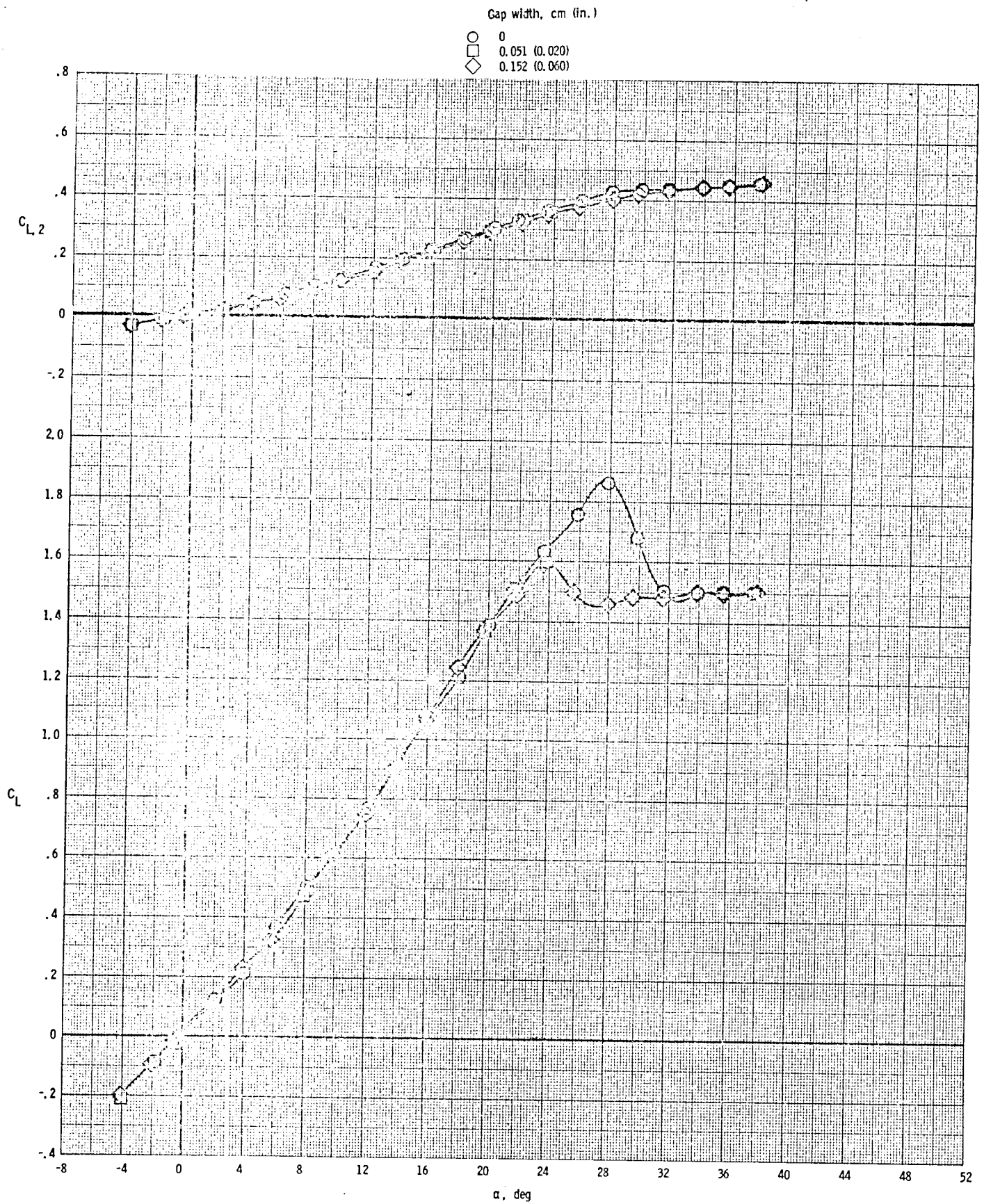


(b) Drag.  
Figure 15. - Continued.



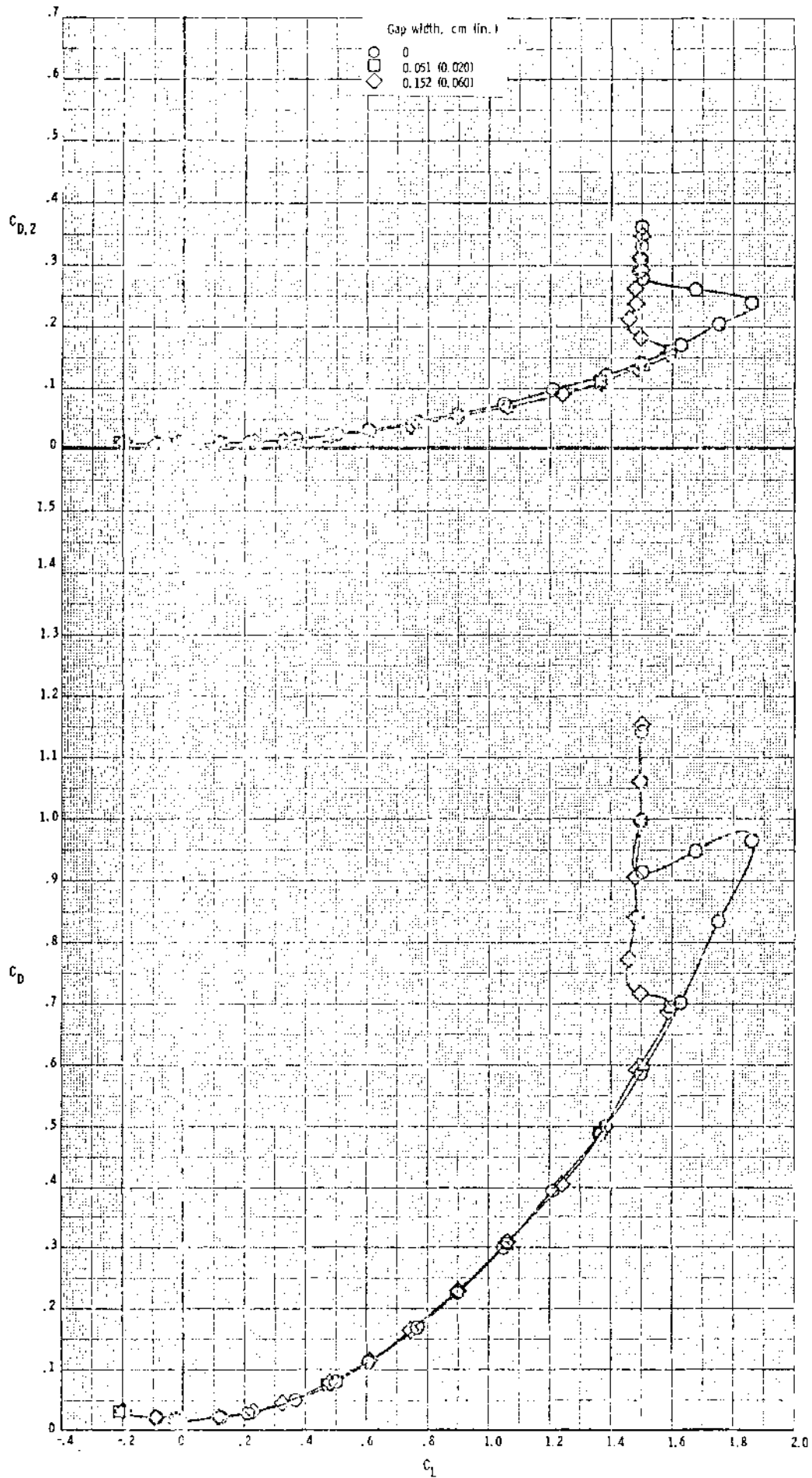
(c) Pitching moment.  
 Figure 15. - Concluded.



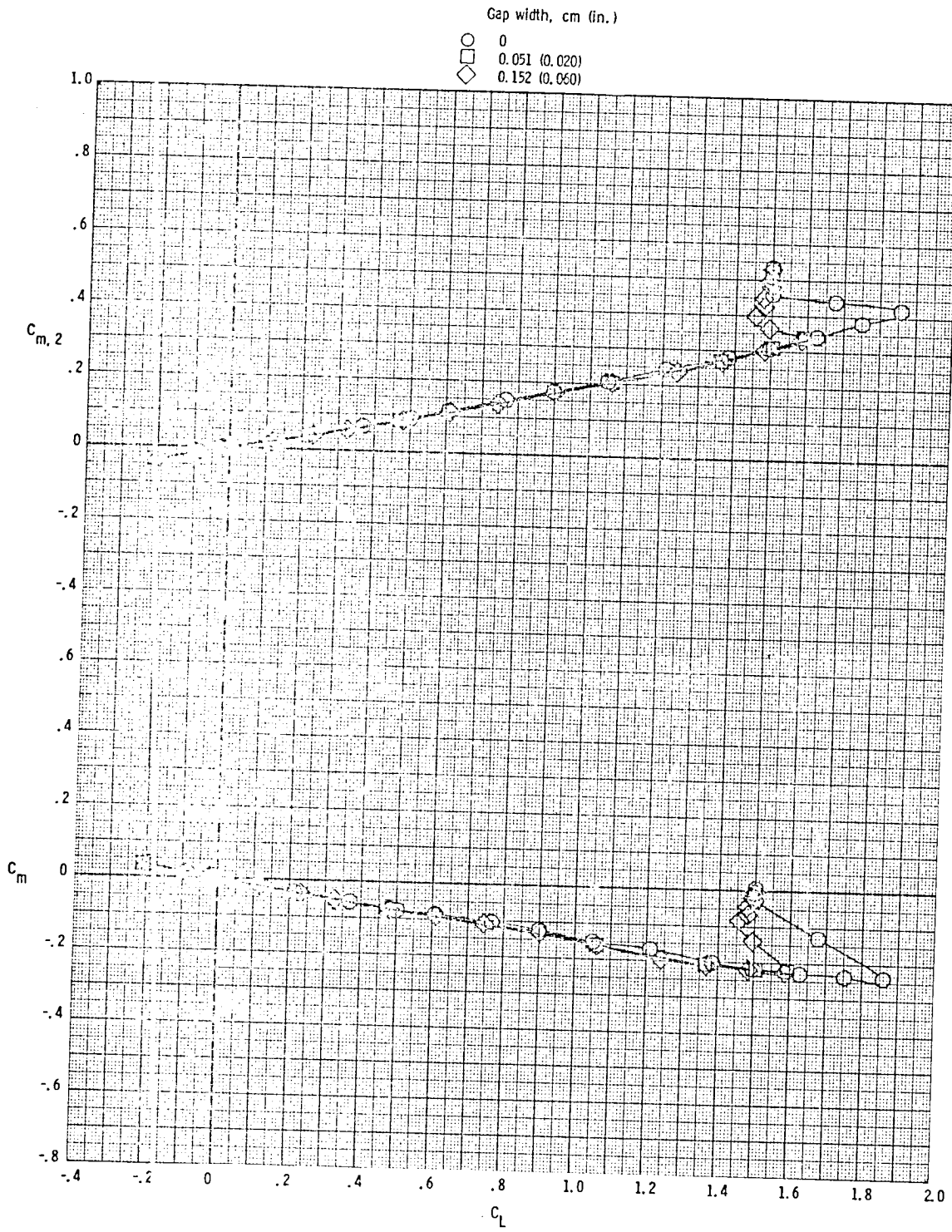


(a) Lift.

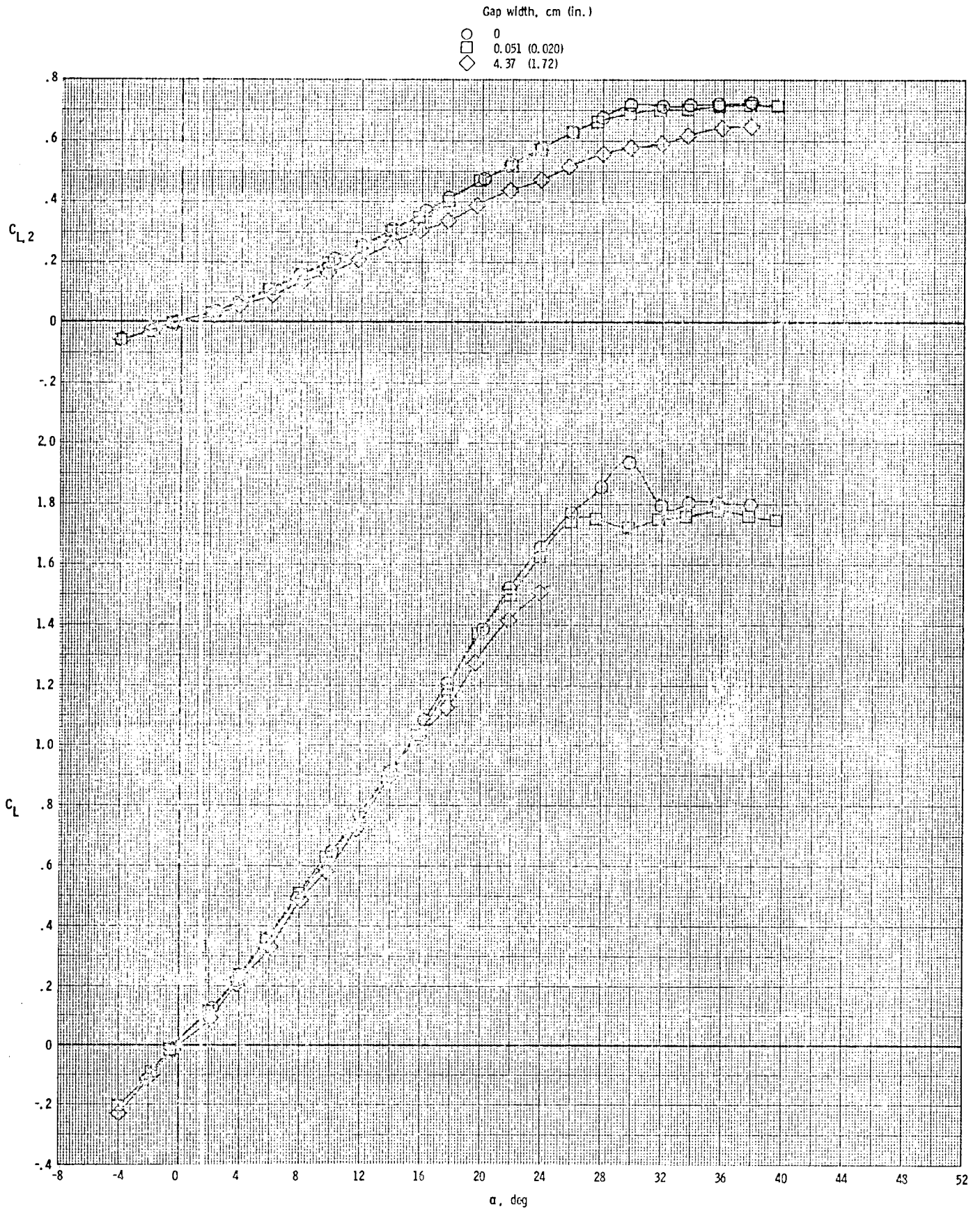
Figure 16.- Effect of strake-wing gap-flow on longitudinal aerodynamic characteristics.  $\Lambda_w = 50^\circ$ , strake II.



(b) Drag.  
Figure 16. - Continued.

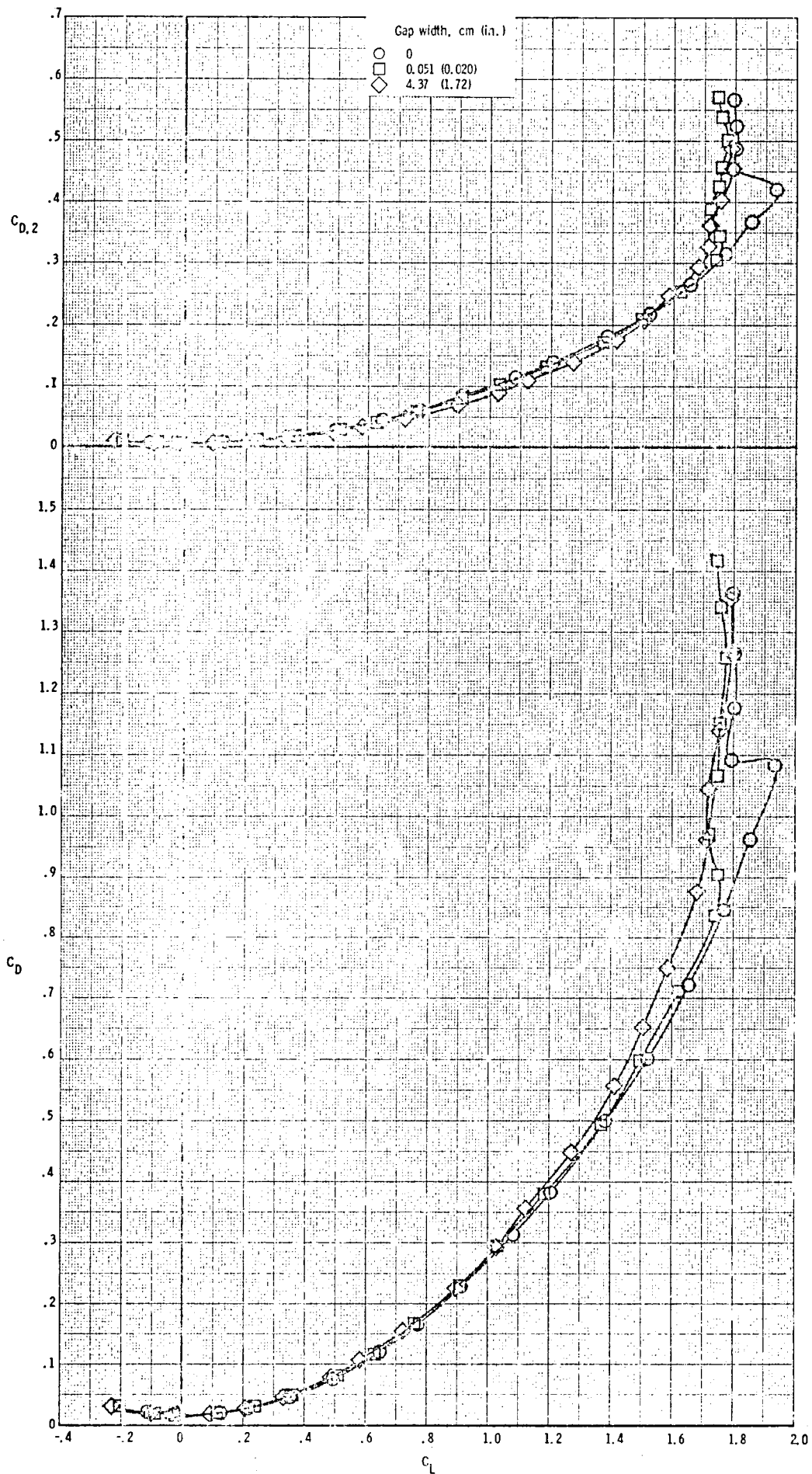


(c) Pitching moment.  
Figure 16. - Concluded.

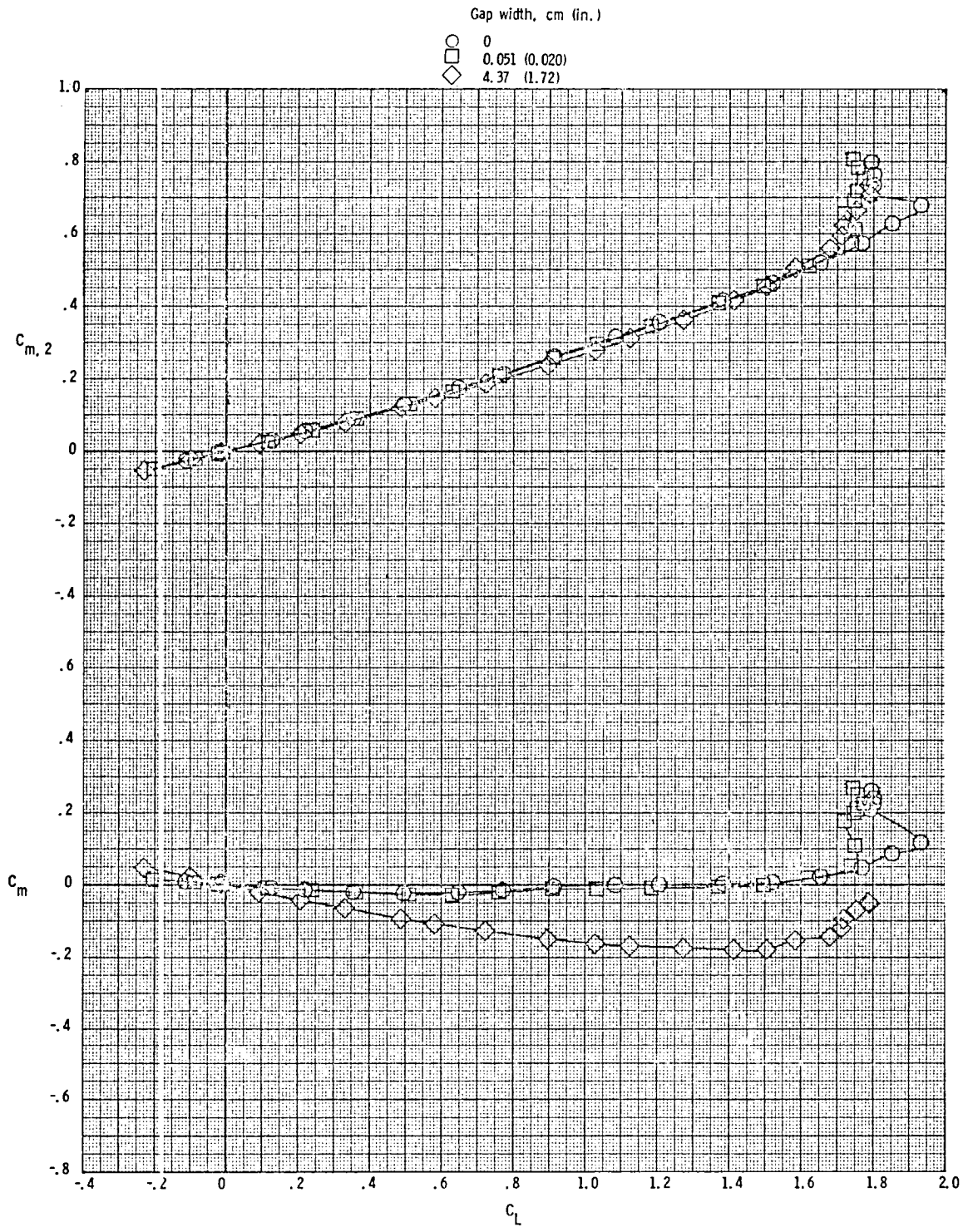


(a) Lift.

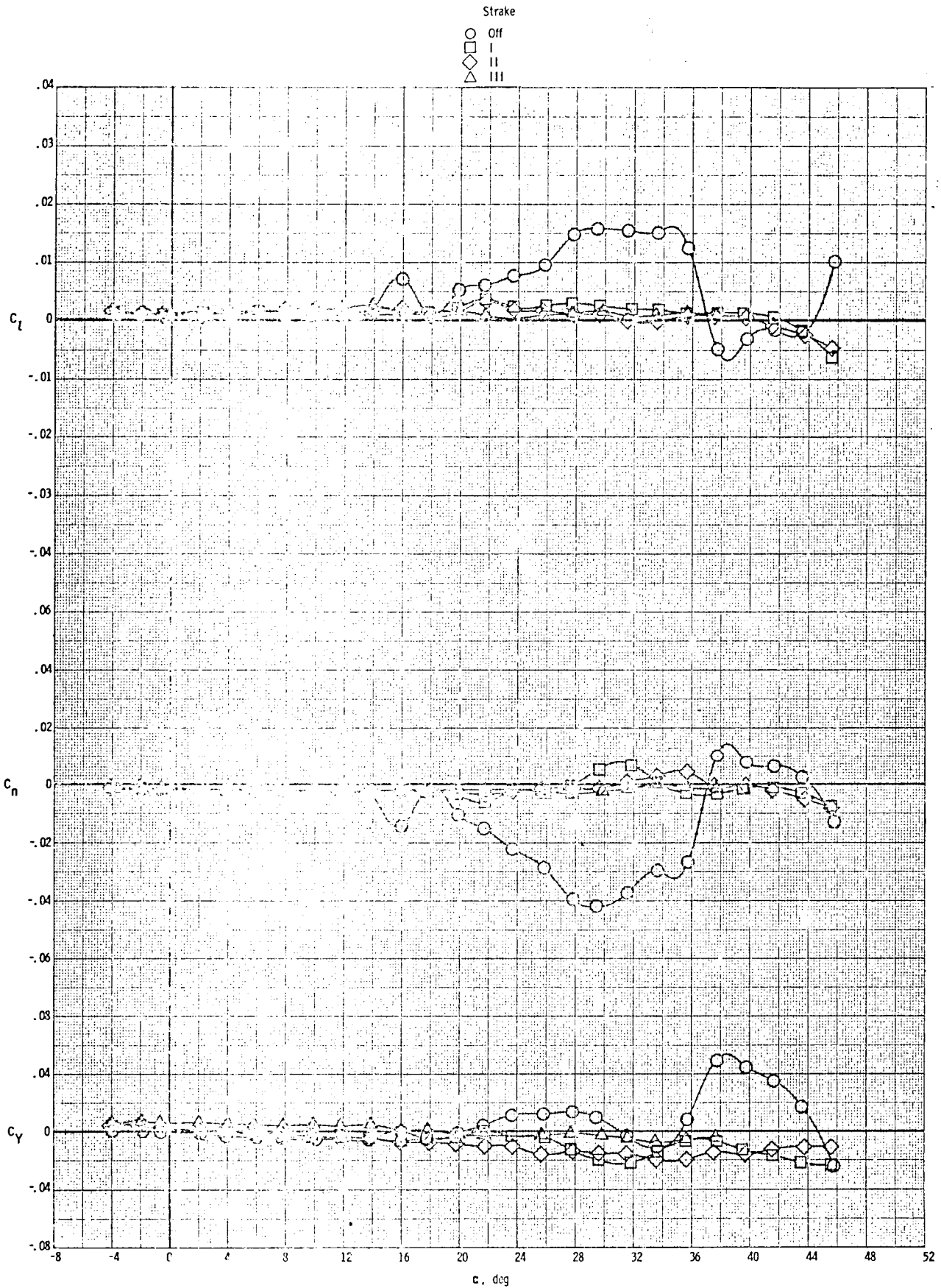
Figure 17. - Effect of strake-wing gap-flow on longitudinal aerodynamic characteristics.  $\Lambda_w = 50^\circ$ , strake III.



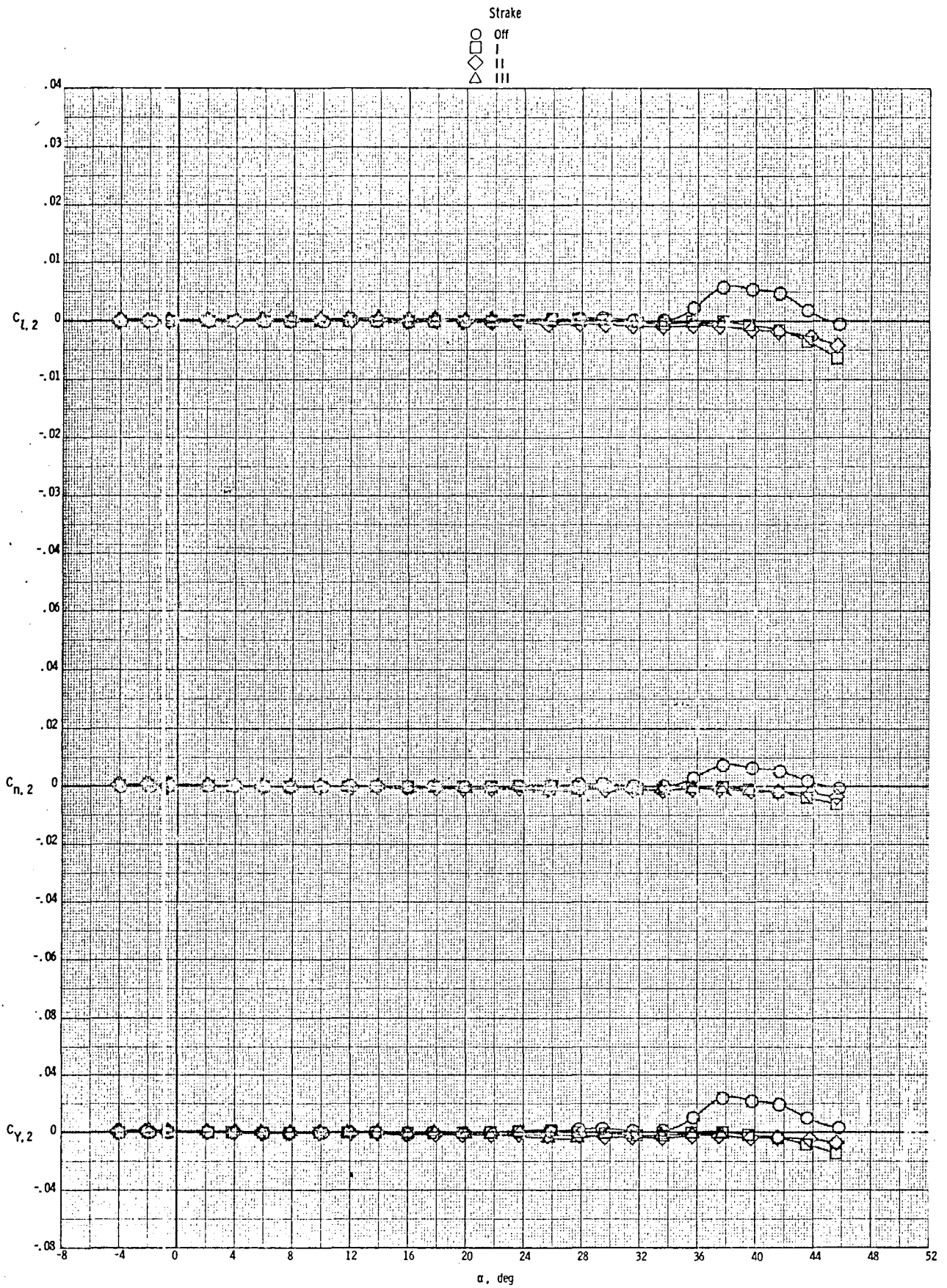
a) Drag.  
Figure 17. - Continued.



(c) Pitching moment.  
Figure 17. - Concluded.

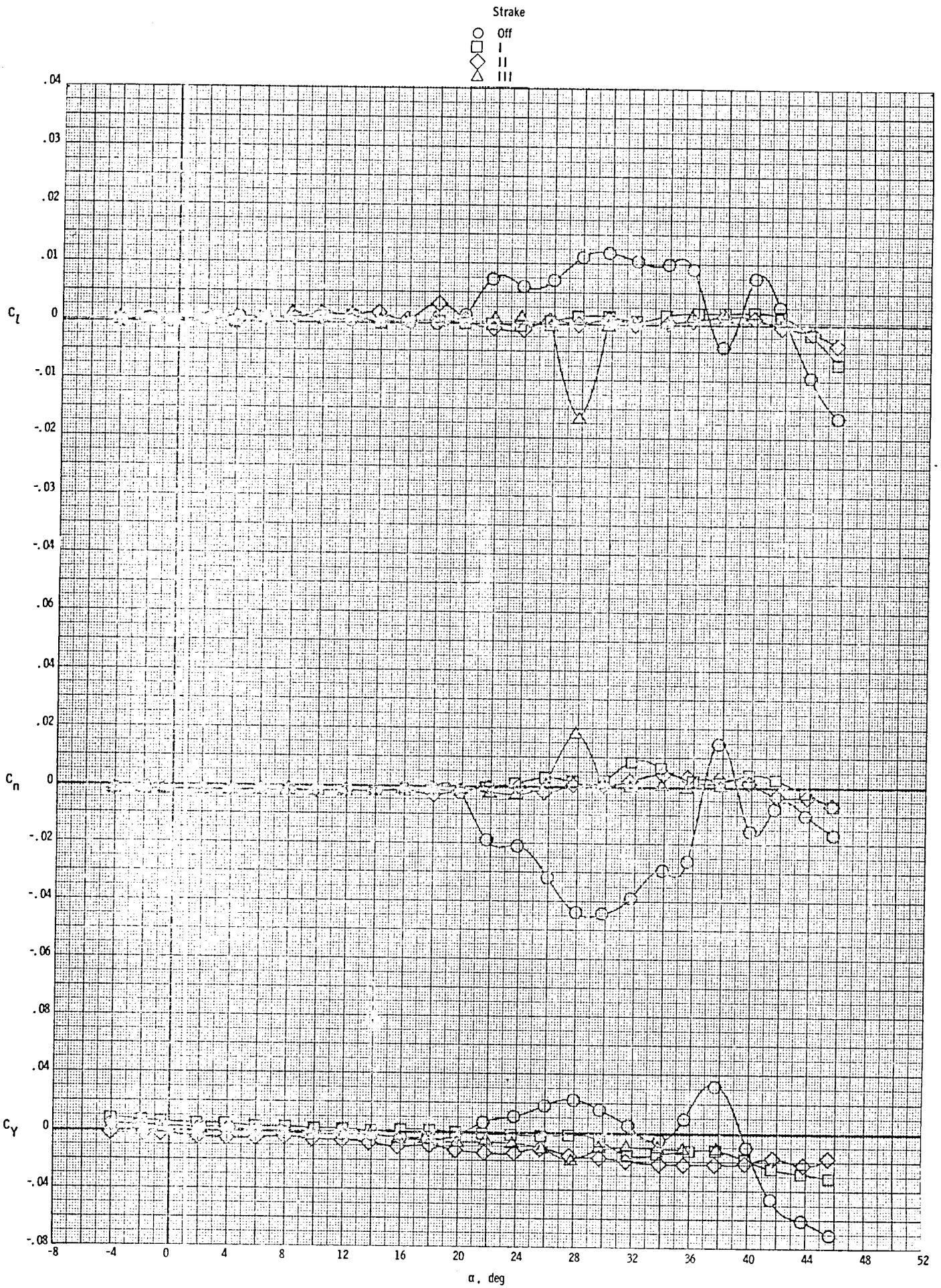


(a) Main balance data.  
 Figure 18. - Strake spar. effect on lateral-directional aerodynamic characteristics.  $\Lambda_w = 30^\circ$ ,  $\beta = 0$ ,  $M_\infty = 0.3$ .

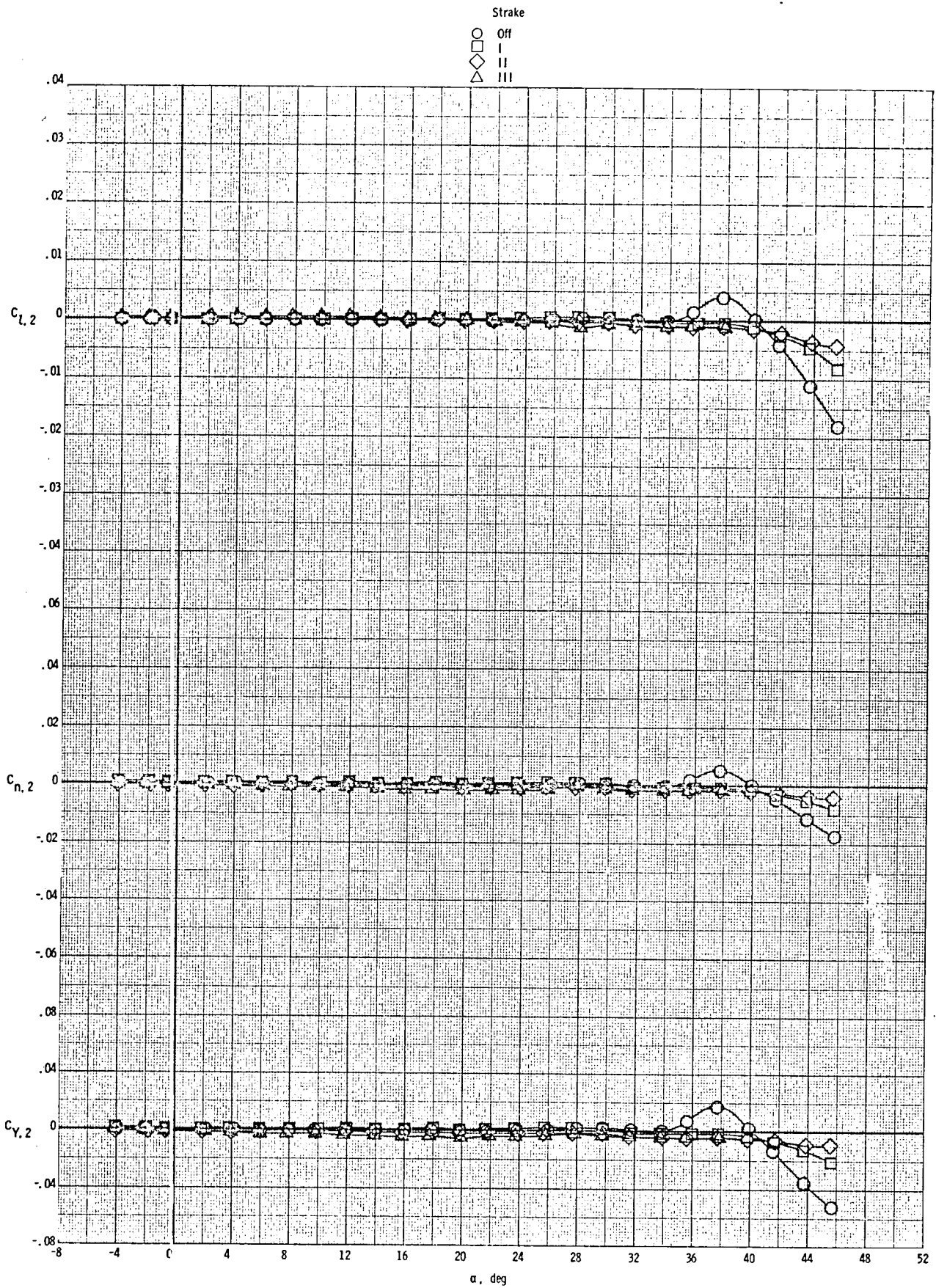


(b) Strake balance data.  
Figure 18. - Concluded.

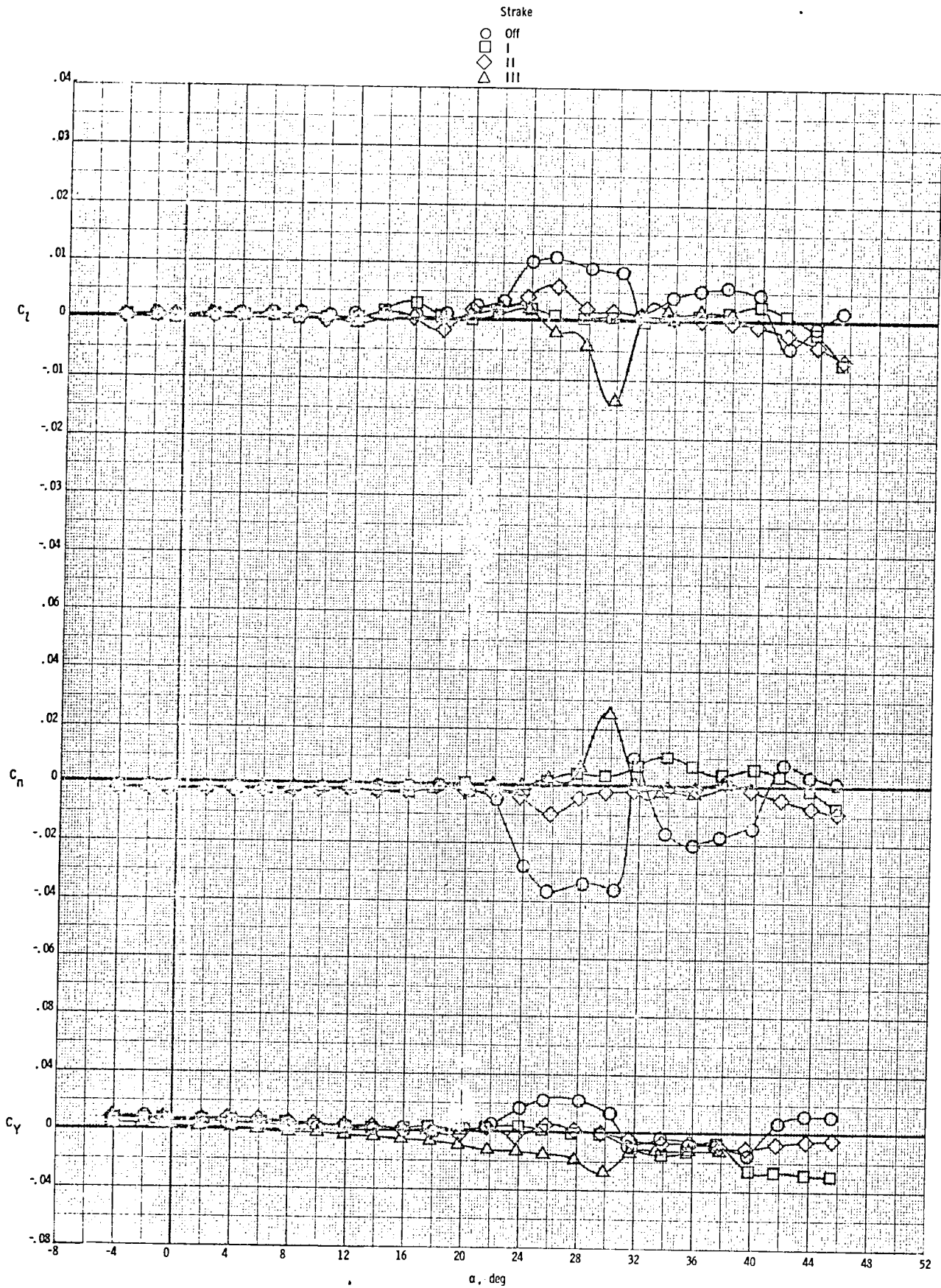




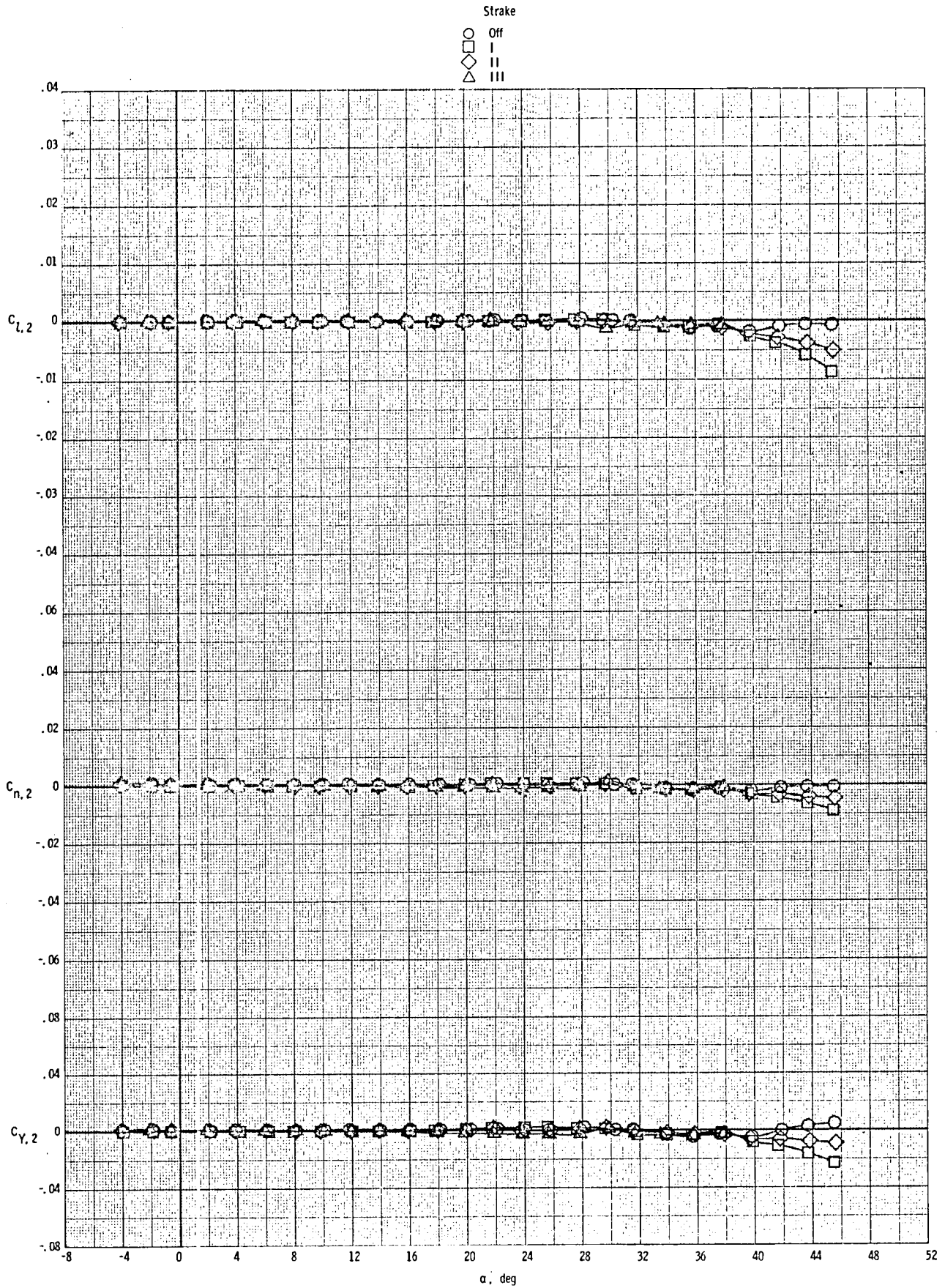
(a) Main balance data.  
 Figure 19. - Strake span effect on lateral-directional aerodynamic characteristics.  $\Lambda_w = 40^\circ$ ,  $\beta = 0$ ,  $M_\infty = 0.3$ .



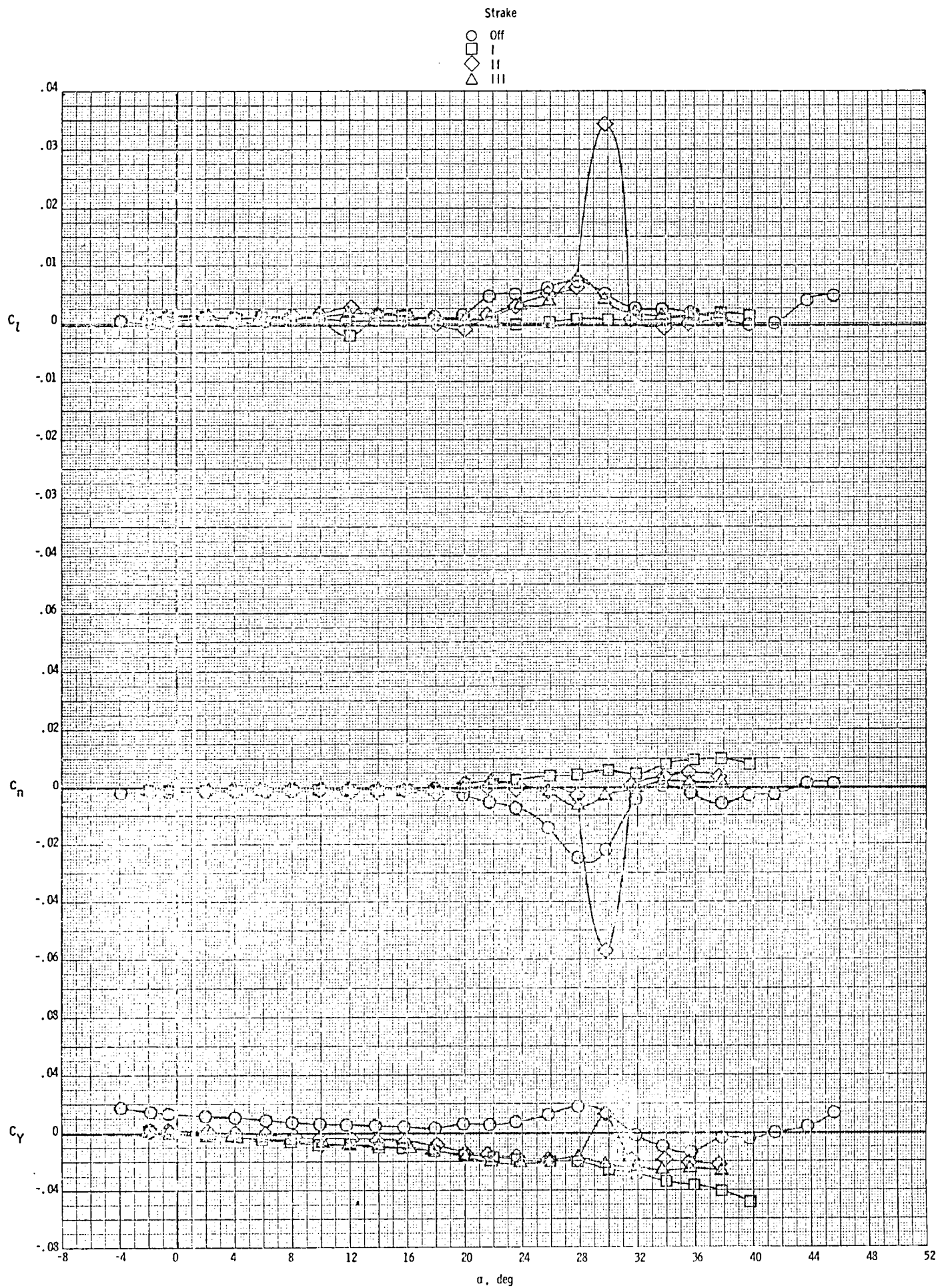
(b) Stroke balance data.  
Figure 19. - Concluded.



(a) Main balance data.  
 Figure 20. - Strake span effect on lateral-directional aerodynamic characteristics.  $\Lambda_w = 44^\circ$ ,  $\beta = 0$ ,  $M_\infty = 0.3$ .

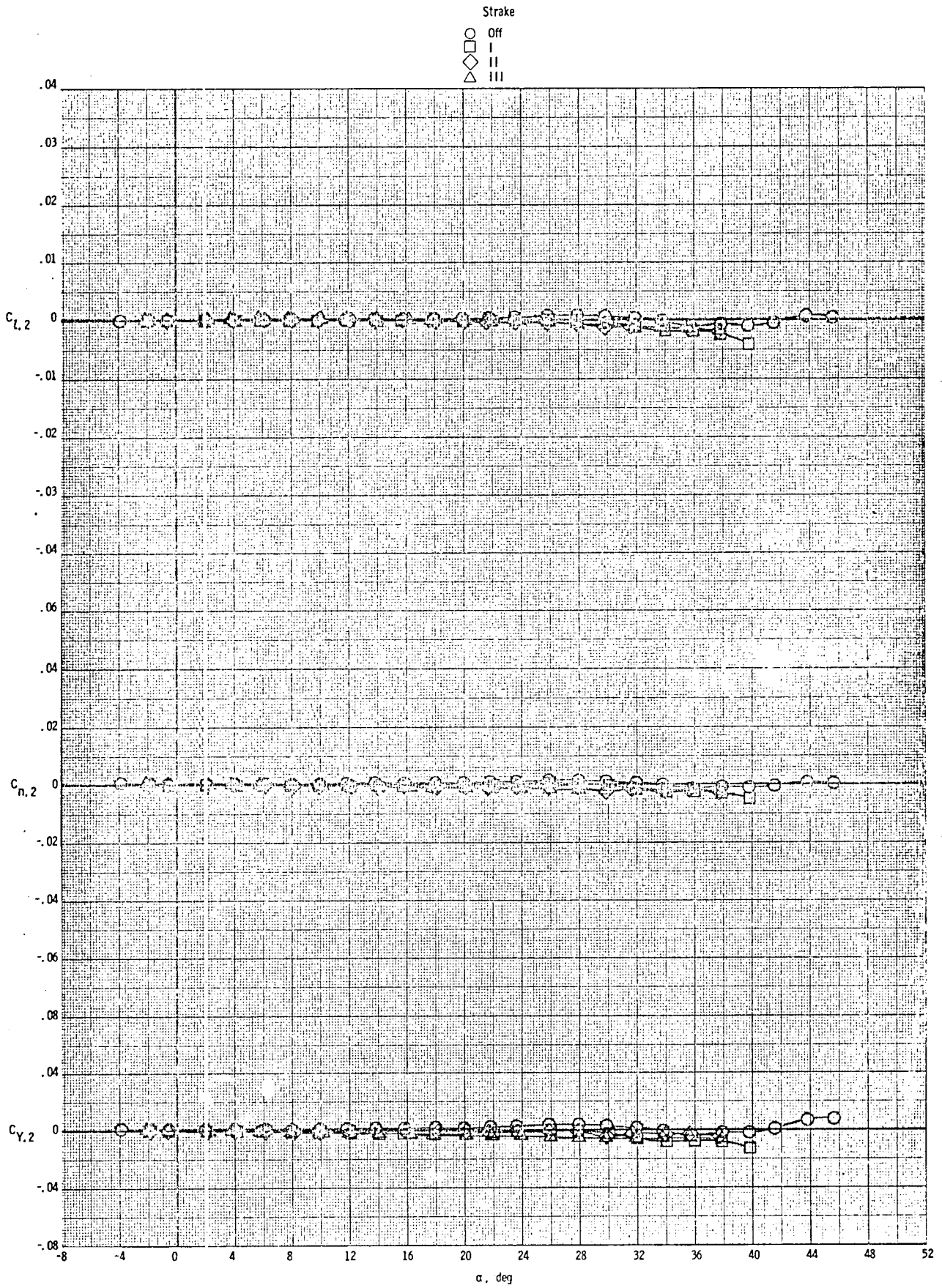


(b) Strake balance data.  
Figure 20. - Concluded.

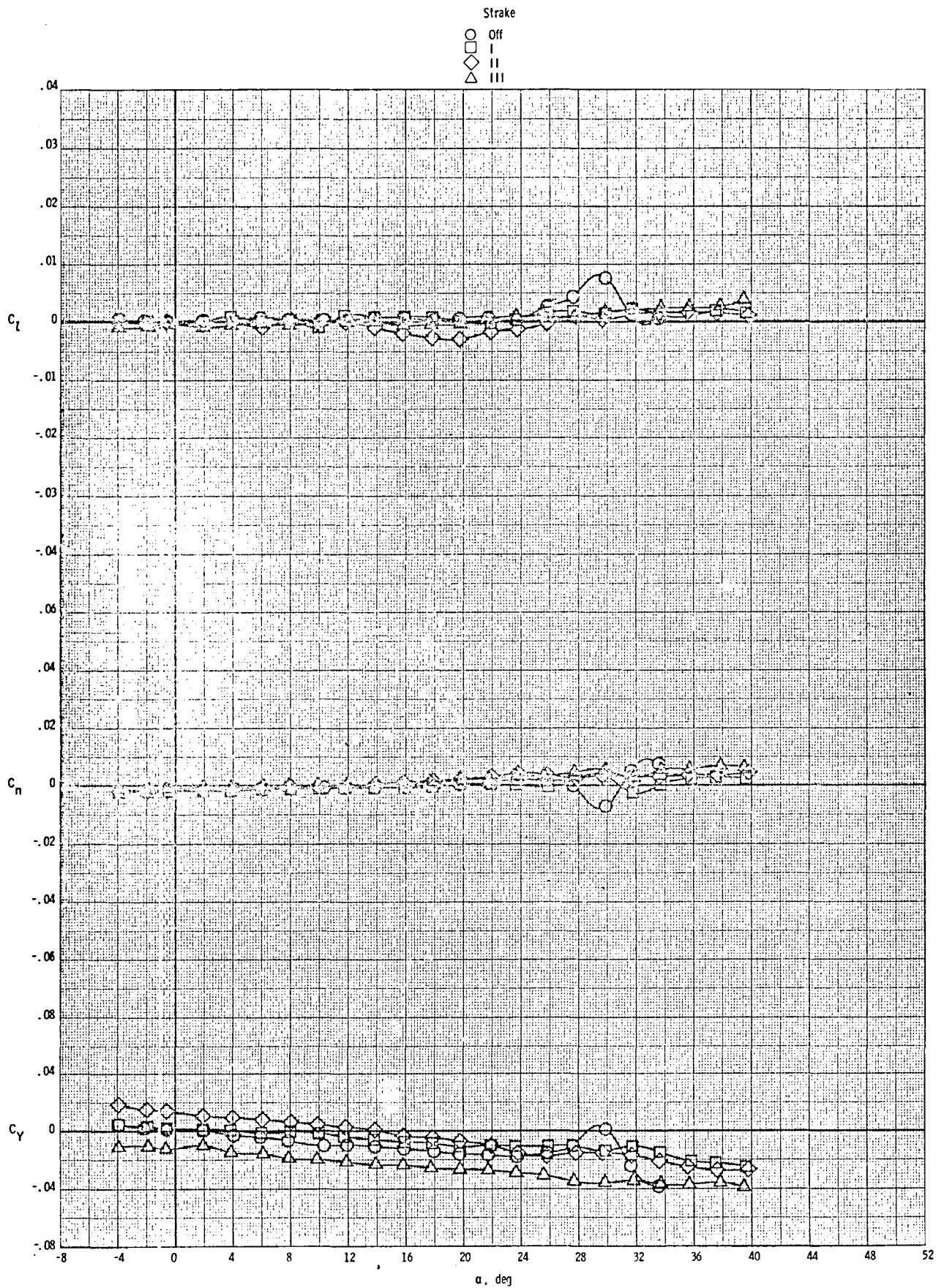


(a) Main balance data.

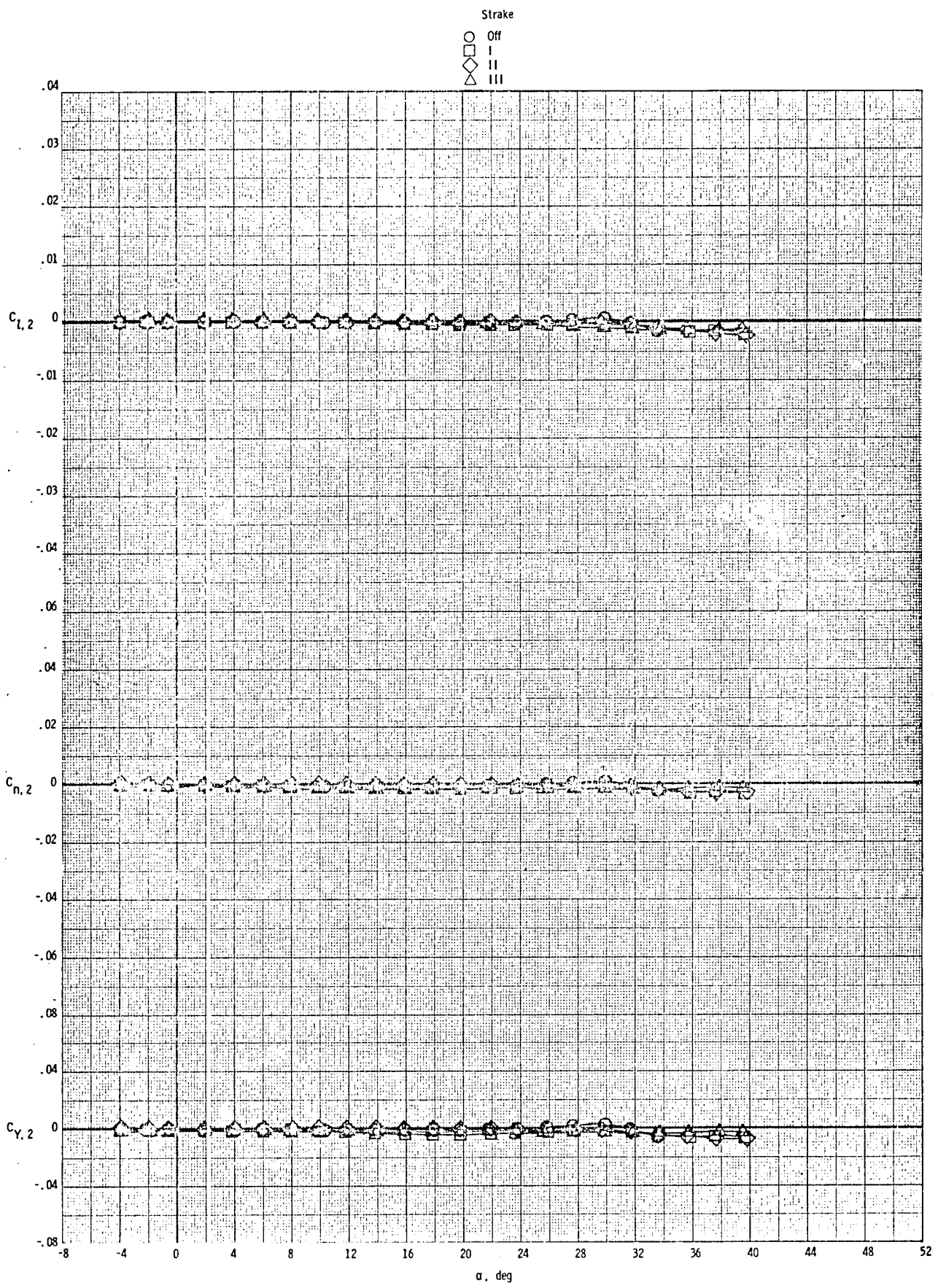
Figure 21. - Strake span effect on lateral-directional aerodynamic characteristics.  $\Lambda_w = 50^\circ$ ,  $\beta = 0$ ,  $M_\infty = 0.3$ .



(b) Strake balance data.  
Figure 21. - Concluded.

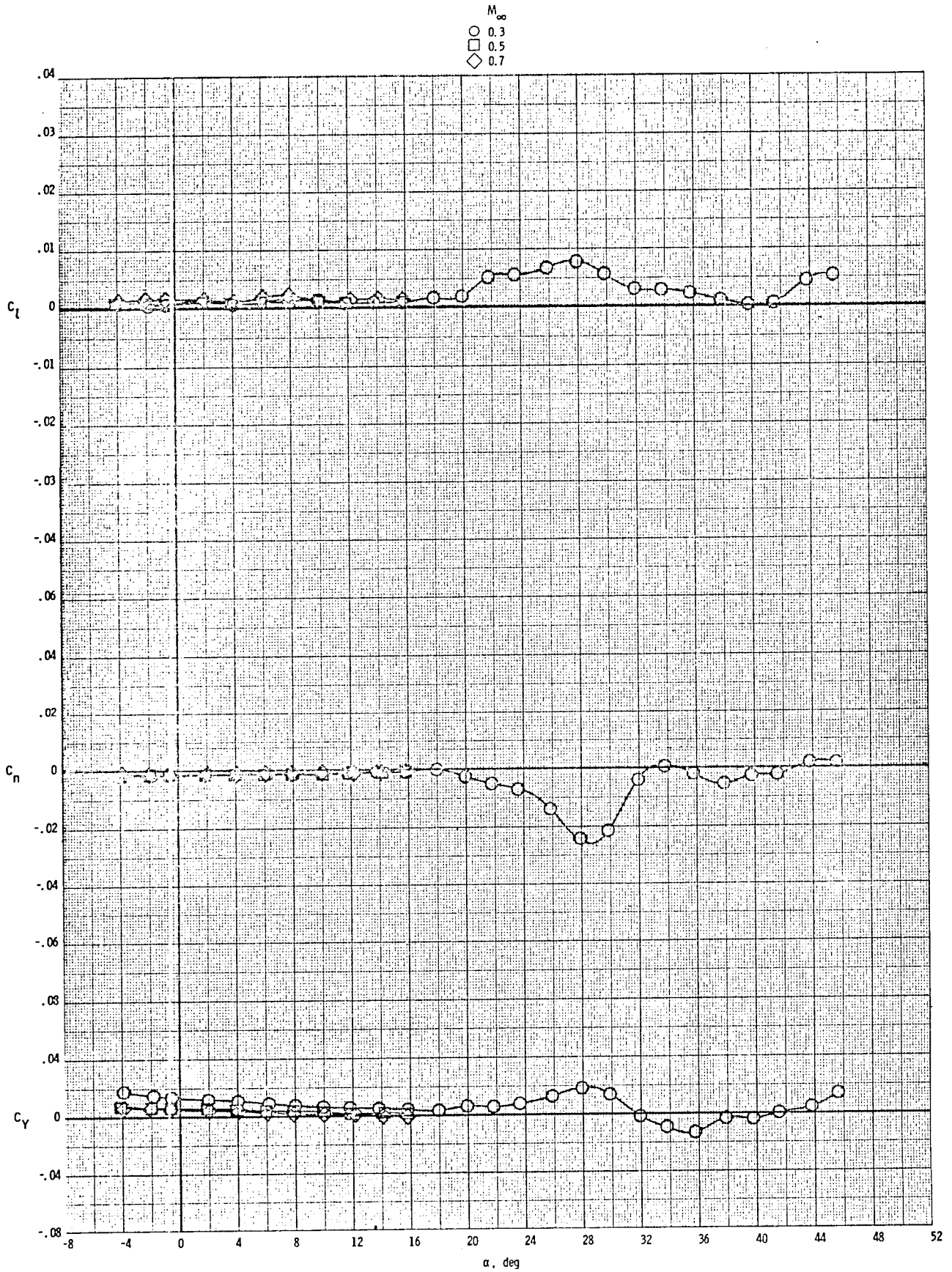


(a) Main balance data.  
 Figure 22 - Strake span effect on lateral-directional aerodynamic characteristics.  $\Lambda_w = 59.45^\circ$ ,  $\beta = 0$ ,  $M_\infty = 0.3$ .

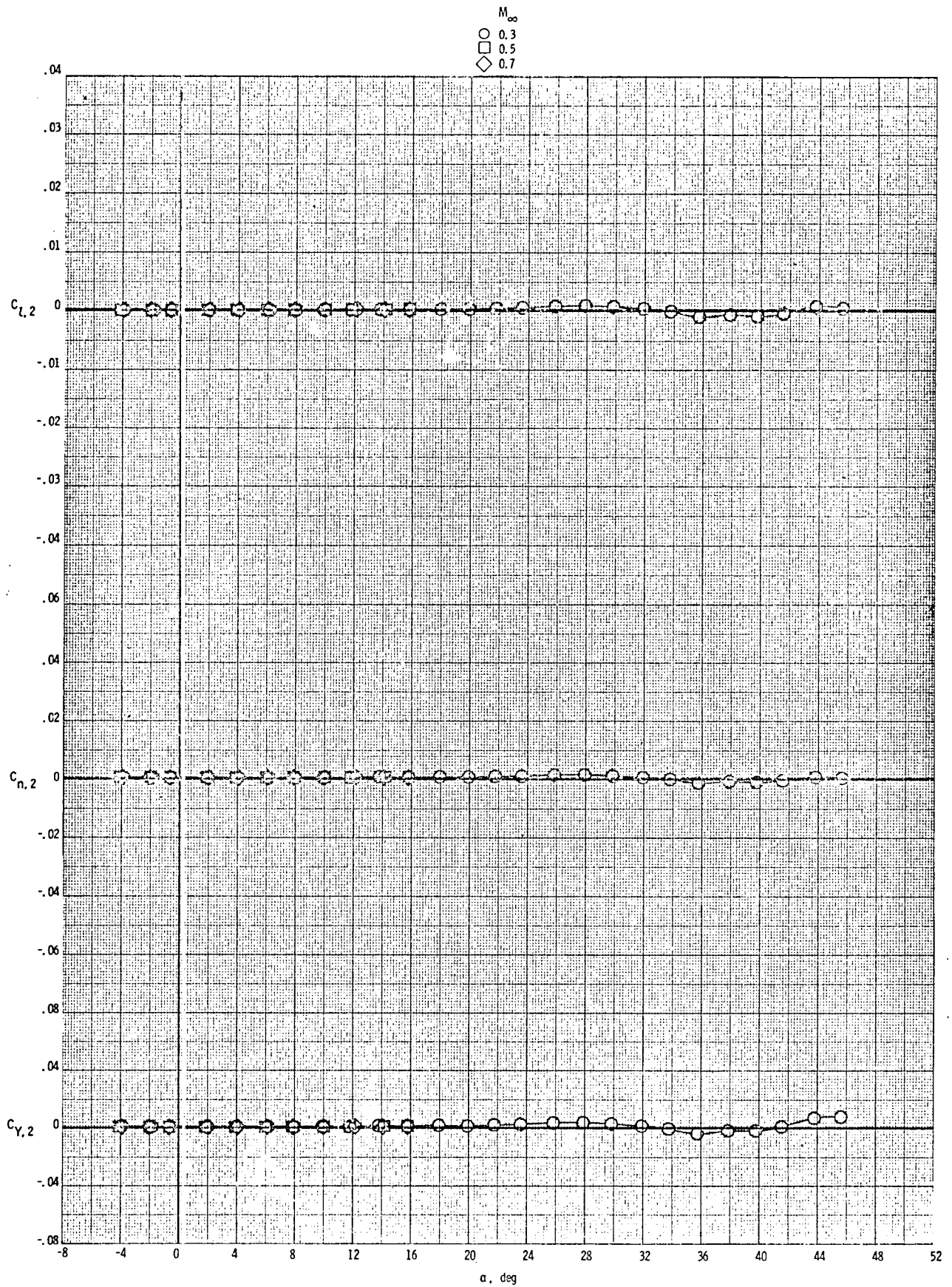


(b) Strake balance data.  
Figure 22. - Concluded.

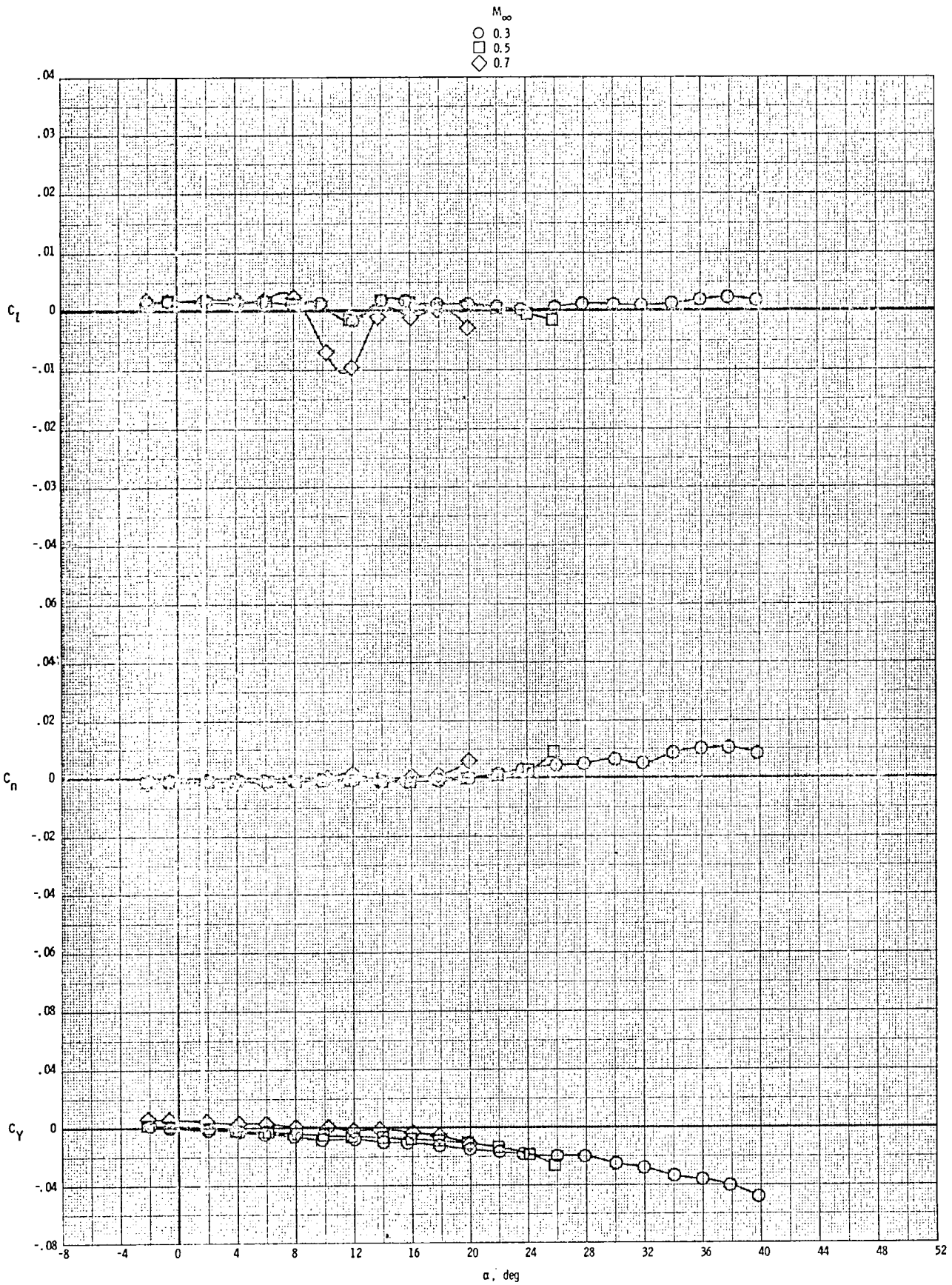




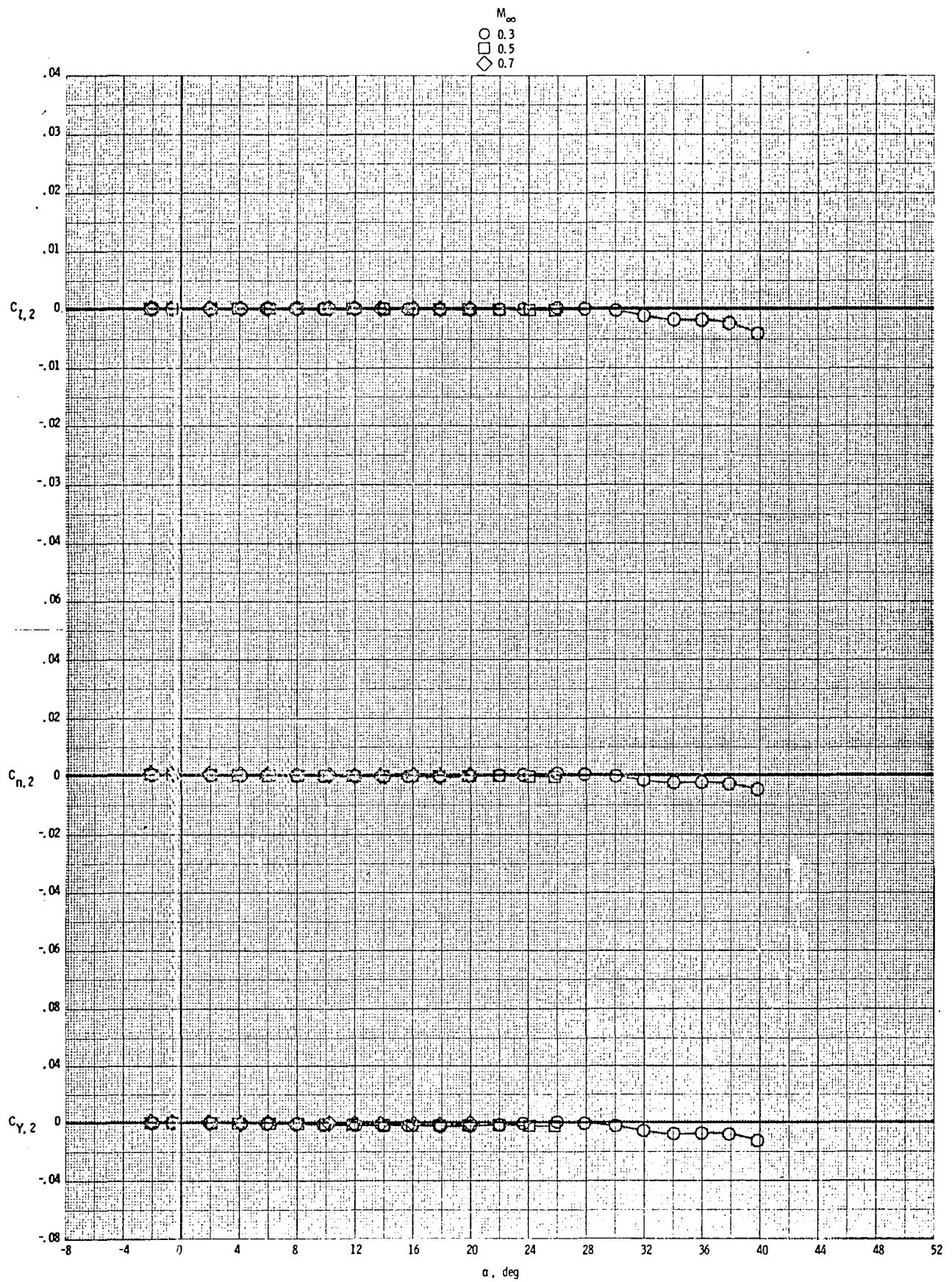
(a) Main balance data.  
 Figure 23. - Effect of Mach number on lateral-directional aerodynamic characteristics.  $\Lambda_w = 50^\circ$ , strake off,  $\beta = 0$ .



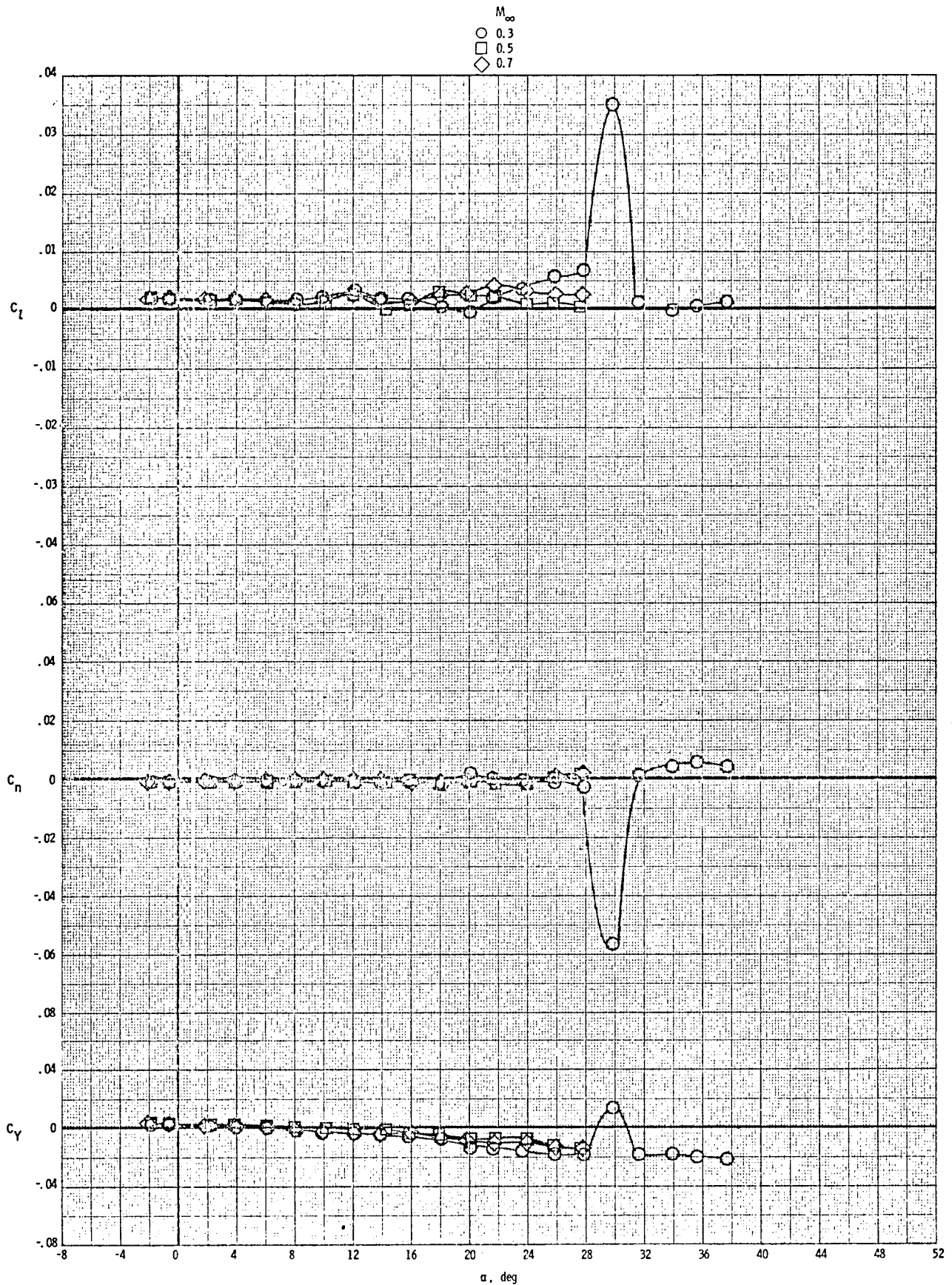
(b) Strake balance data.  
 Figure 23. - Conclud.



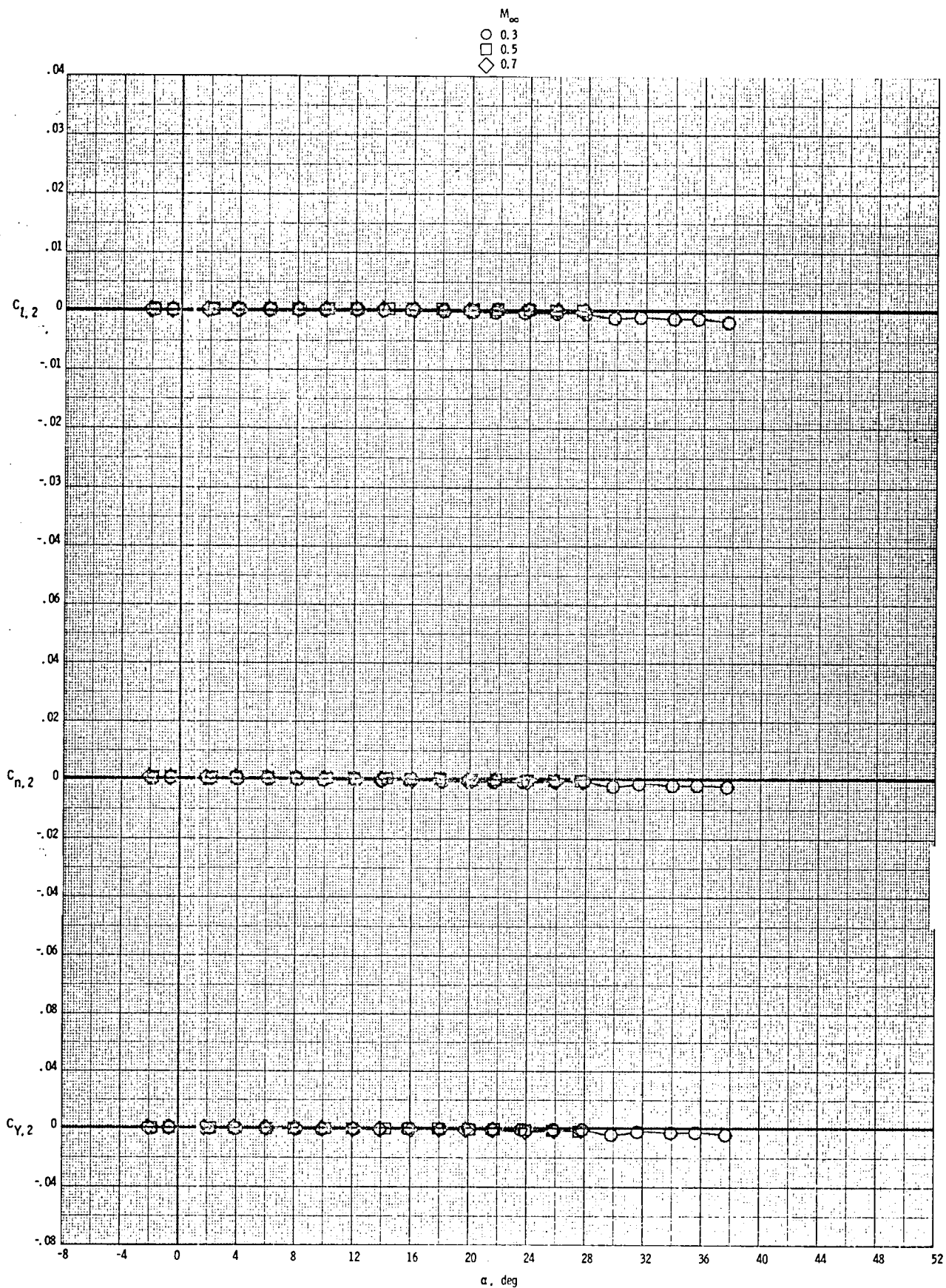
(a) Main balance data.  
 Figure 24. - Effect of Mach number on lateral-directional aerodynamic characteristics.  $\Lambda_w = 50^\circ$ , stroke I,  $\beta = 0$ .



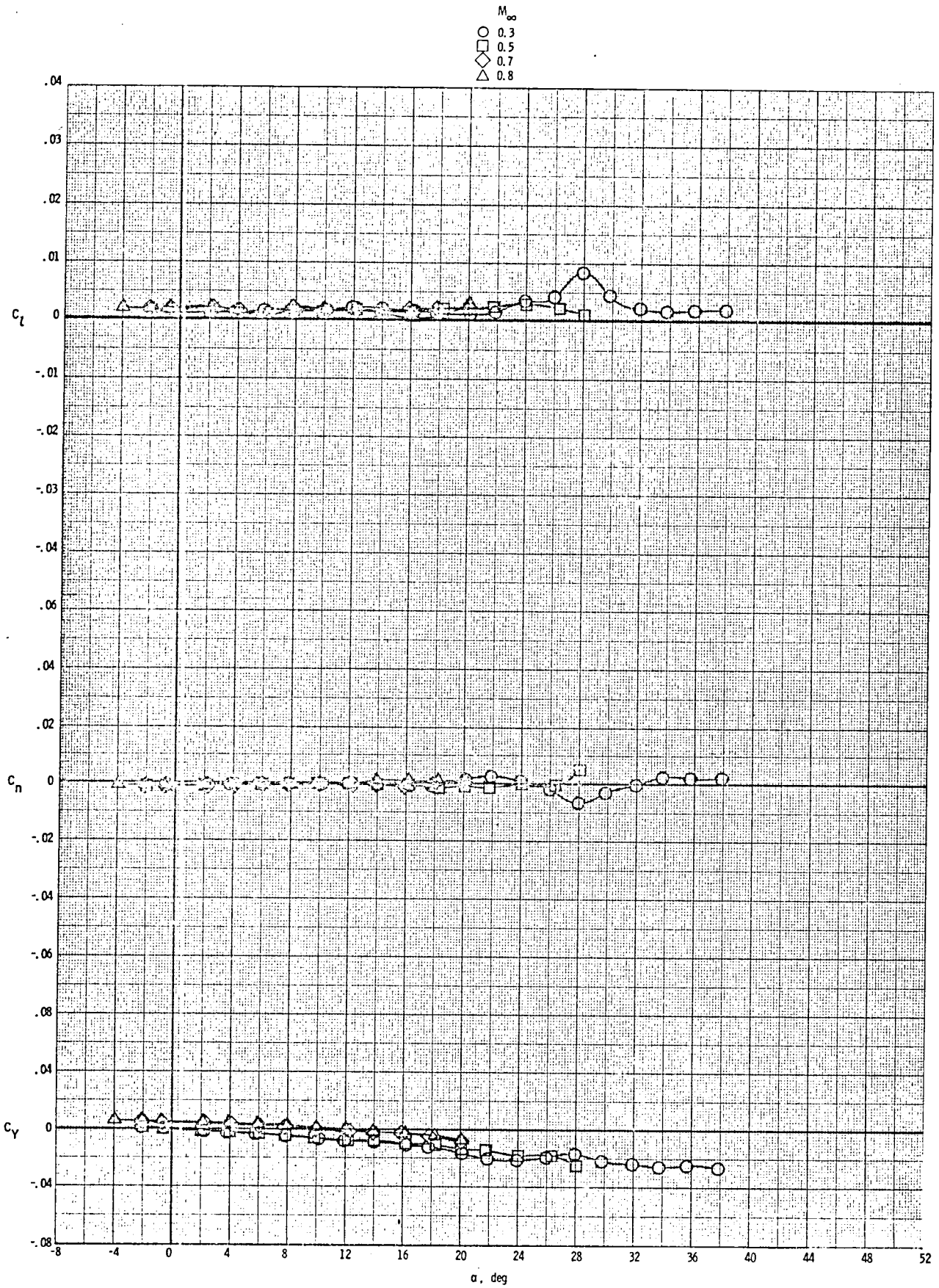
(b) Strake balance data.  
 Figure 24. - Concluded.



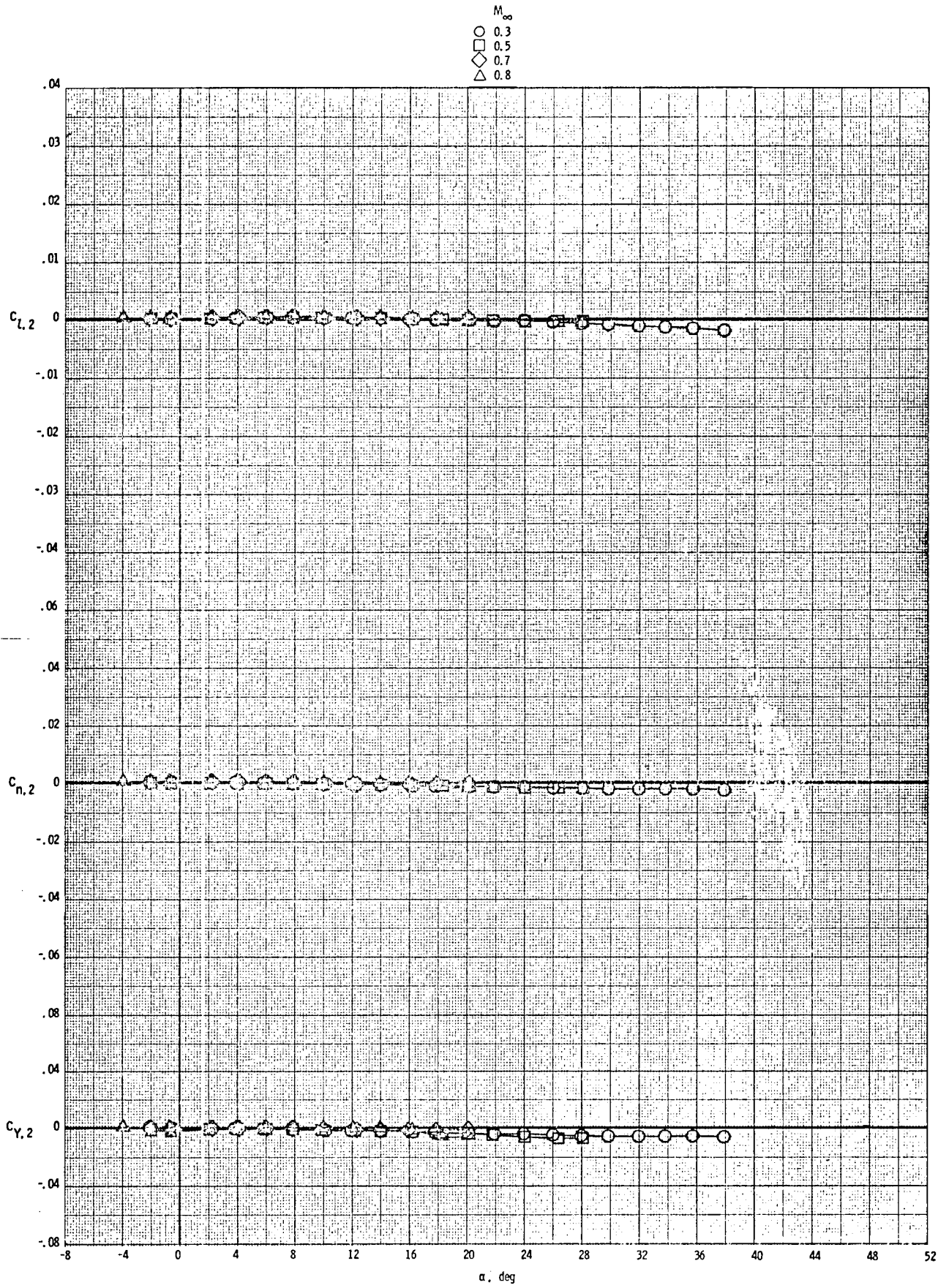
(a) Main balance data.  
 Figure 25. - Effect of Mach number on lateral-directional aerodynamic characteristics.  $\Lambda_w = 50^\circ$ , strake II,  $\beta = 0$ .



(b) Strake balance data.  
Figure 25. - Concluded.

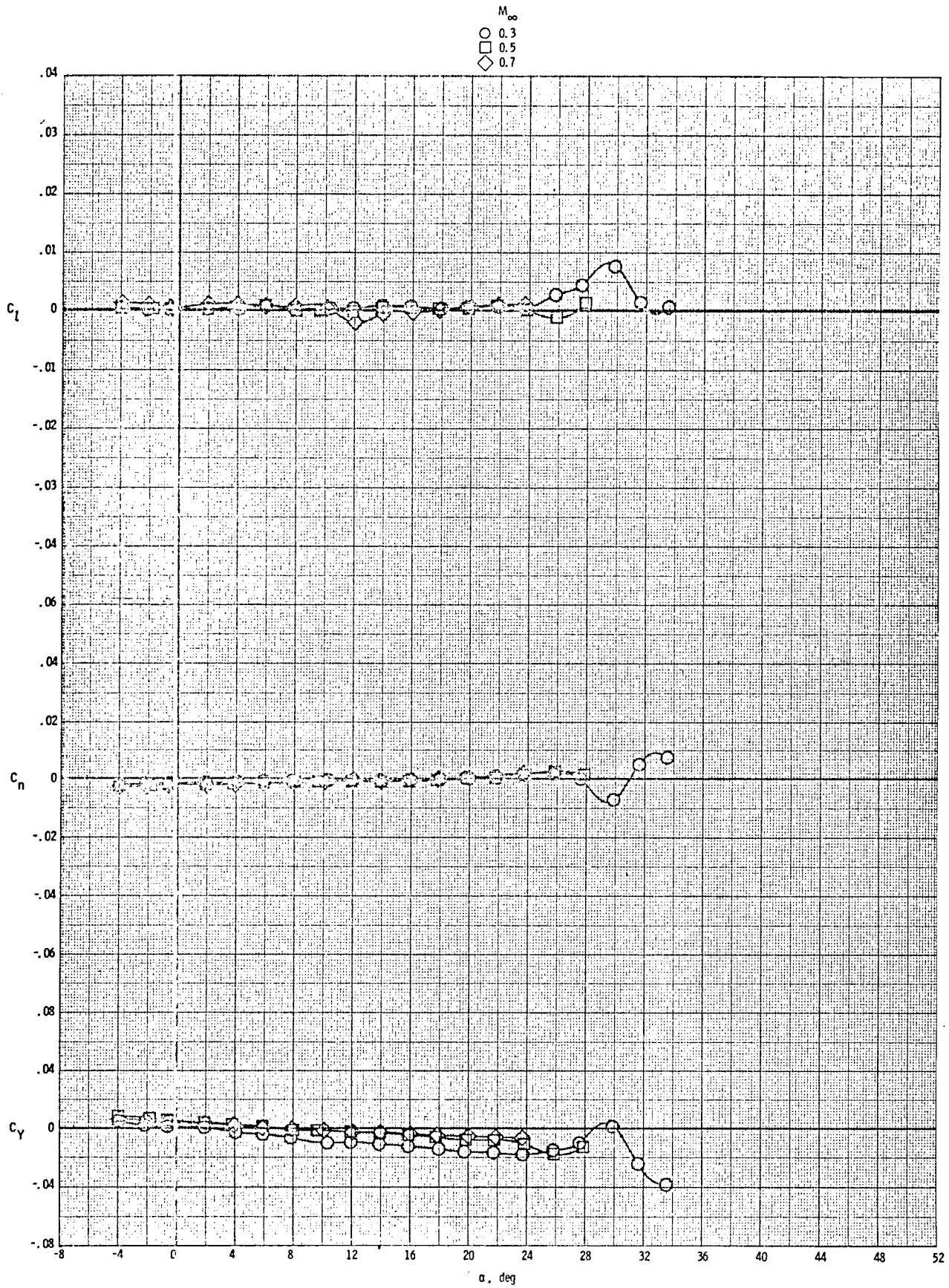


(a) Main balance data.  
 Figure 26. - Effect of Mach number on lateral-directional aerodynamic characteristics.  $\Lambda_w = 50^\circ$ , strake III,  $\beta = 0$ .



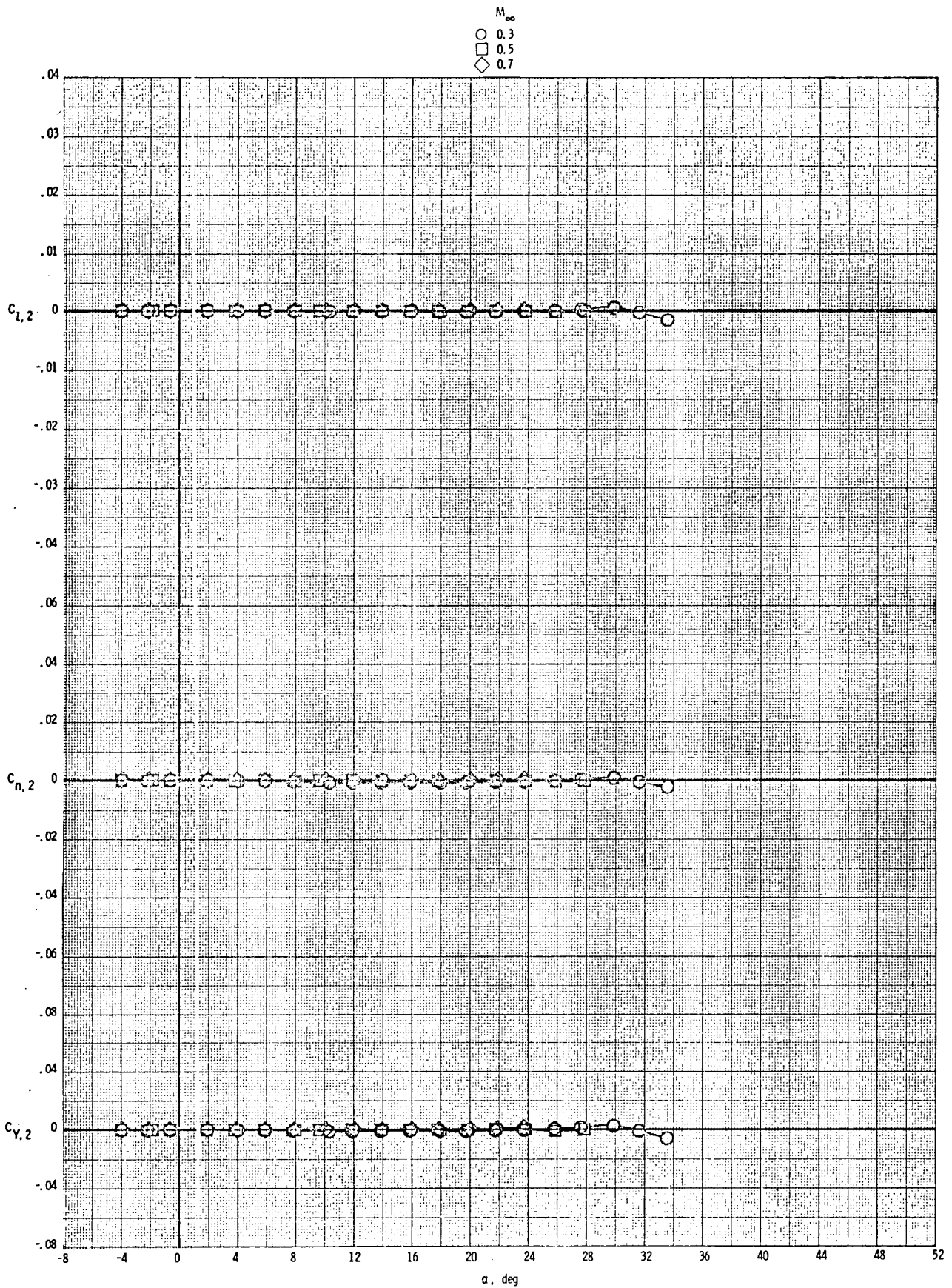
(b) Strake balance data.  
Figure 26. - Concluded.



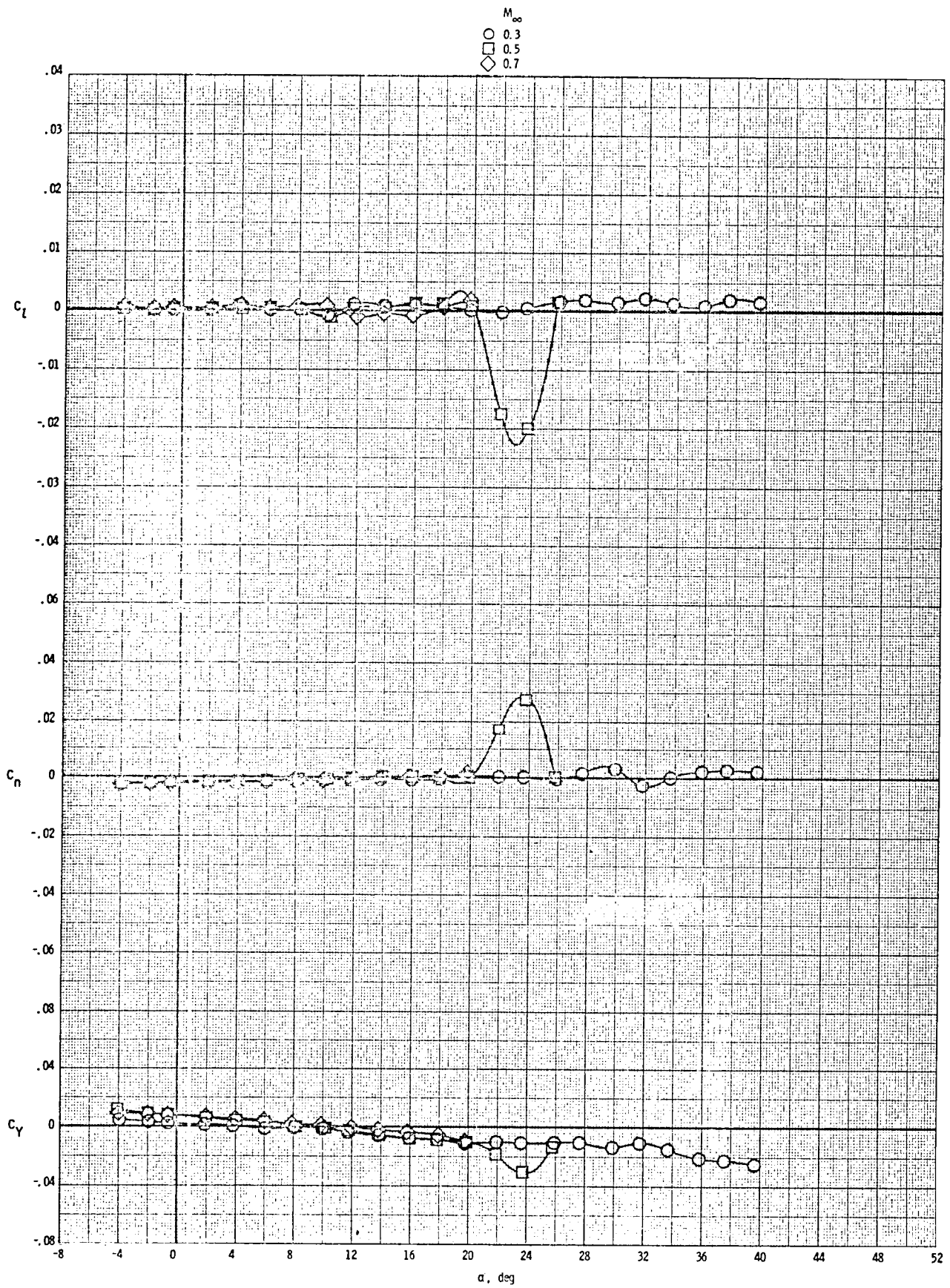


(a) Main balance data.

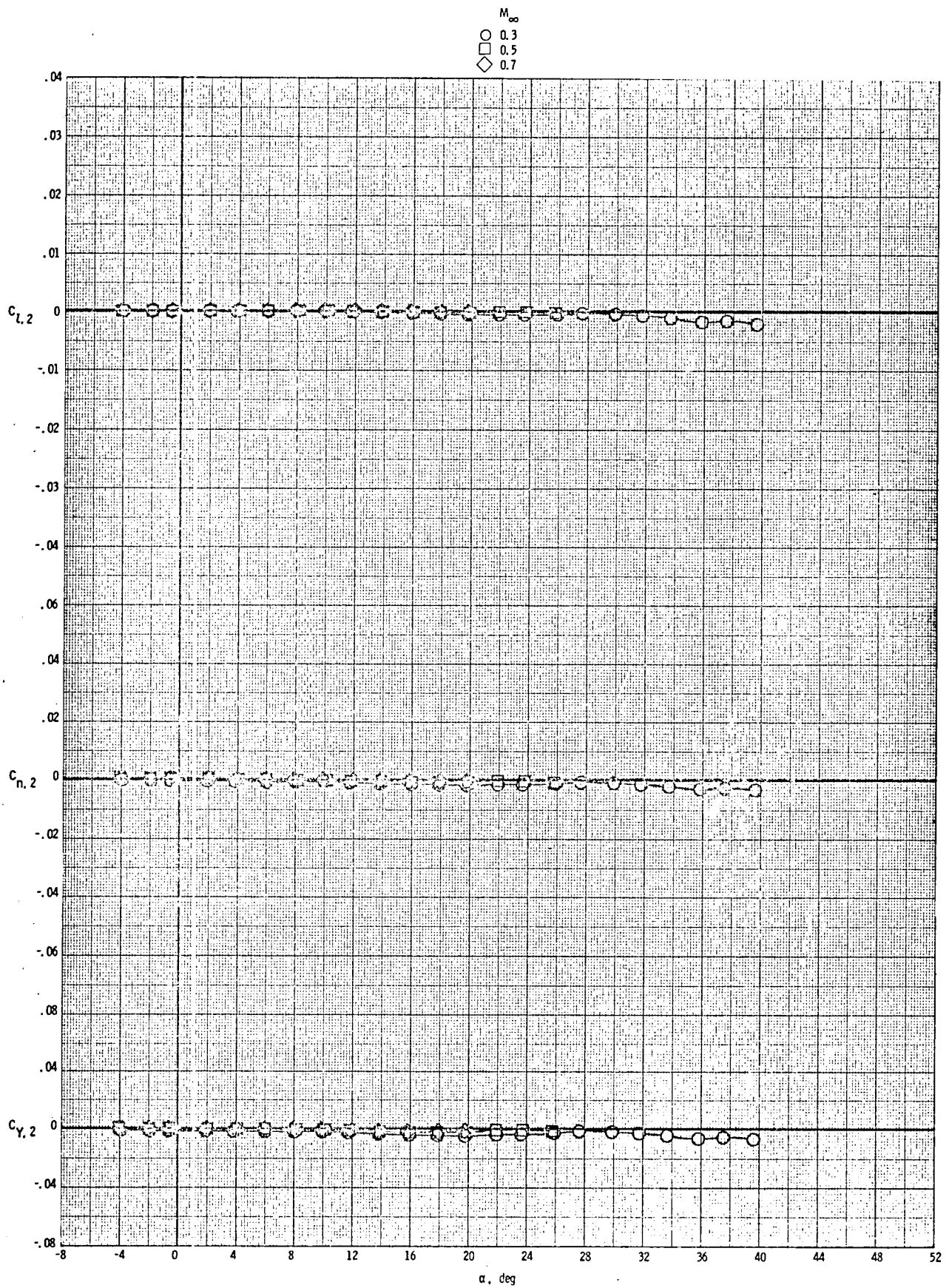
Figure 27. - Effect on Mach number on lateral-directional aerodynamic characteristics.  $\Lambda_w = 59.45^\circ$ , stake off,  $\beta = 0$ .



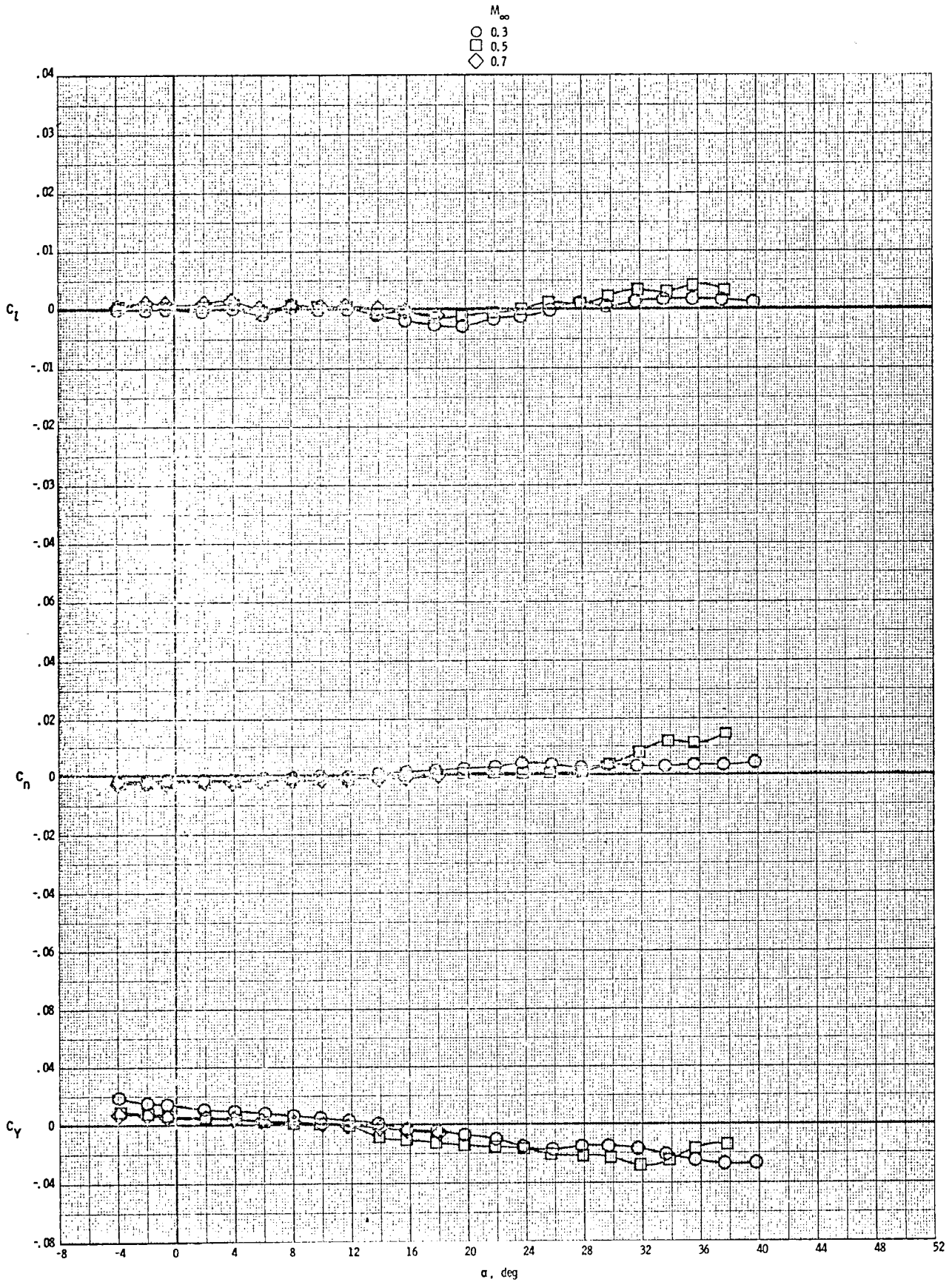
(b) Strake balance data.  
 Figure 27. - Concluded.



(a) Main balance data.  
 Figure 28. - Effect of Mach number on lateral-directional aerodynamic characteristics.  $\Lambda_w = 59.45^\circ$ , stroke I,  $\beta = 0$ .

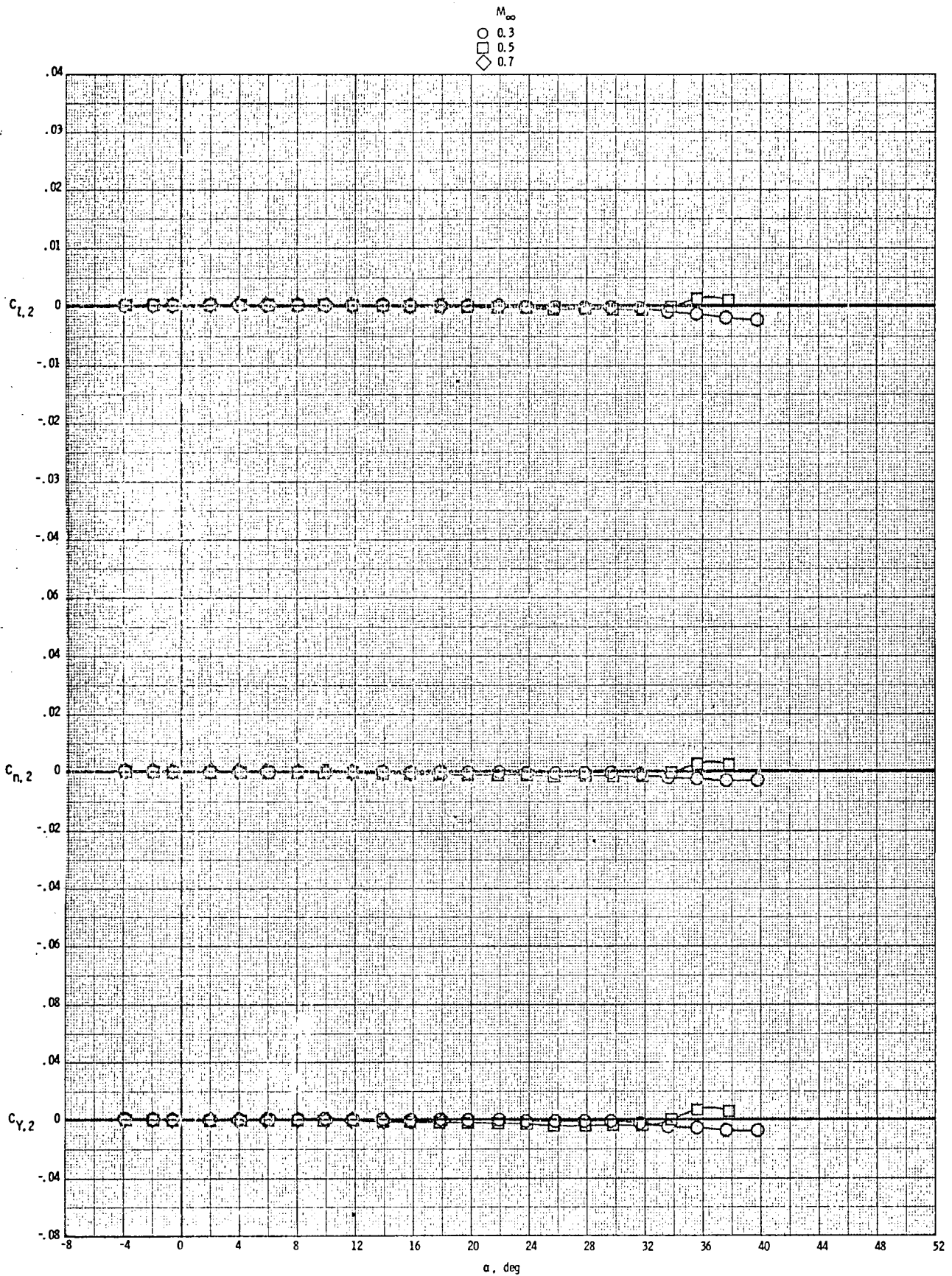


(b) Strake balance data.  
 Figure 28. - Concluded.

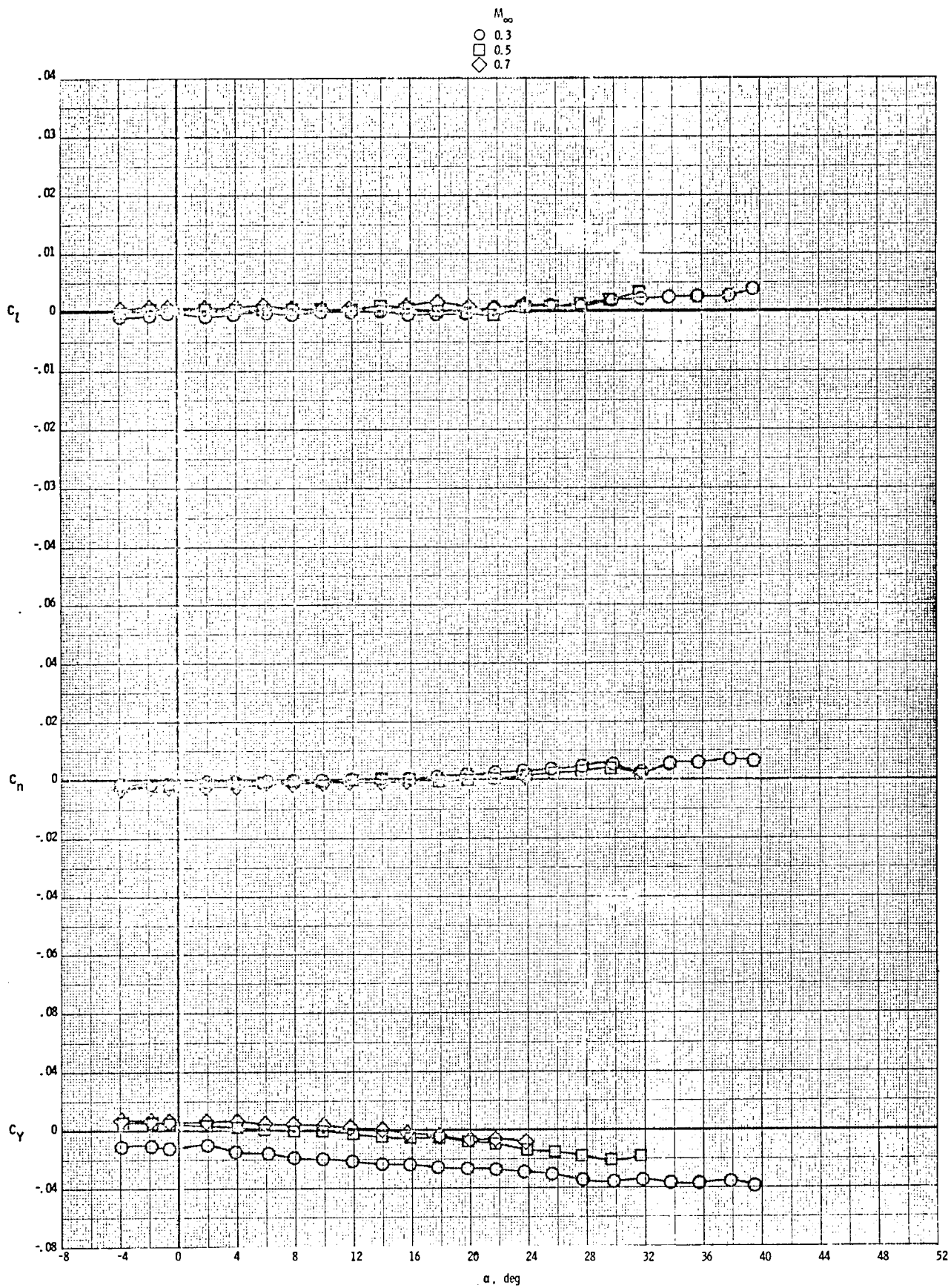


(a) Main balance data.

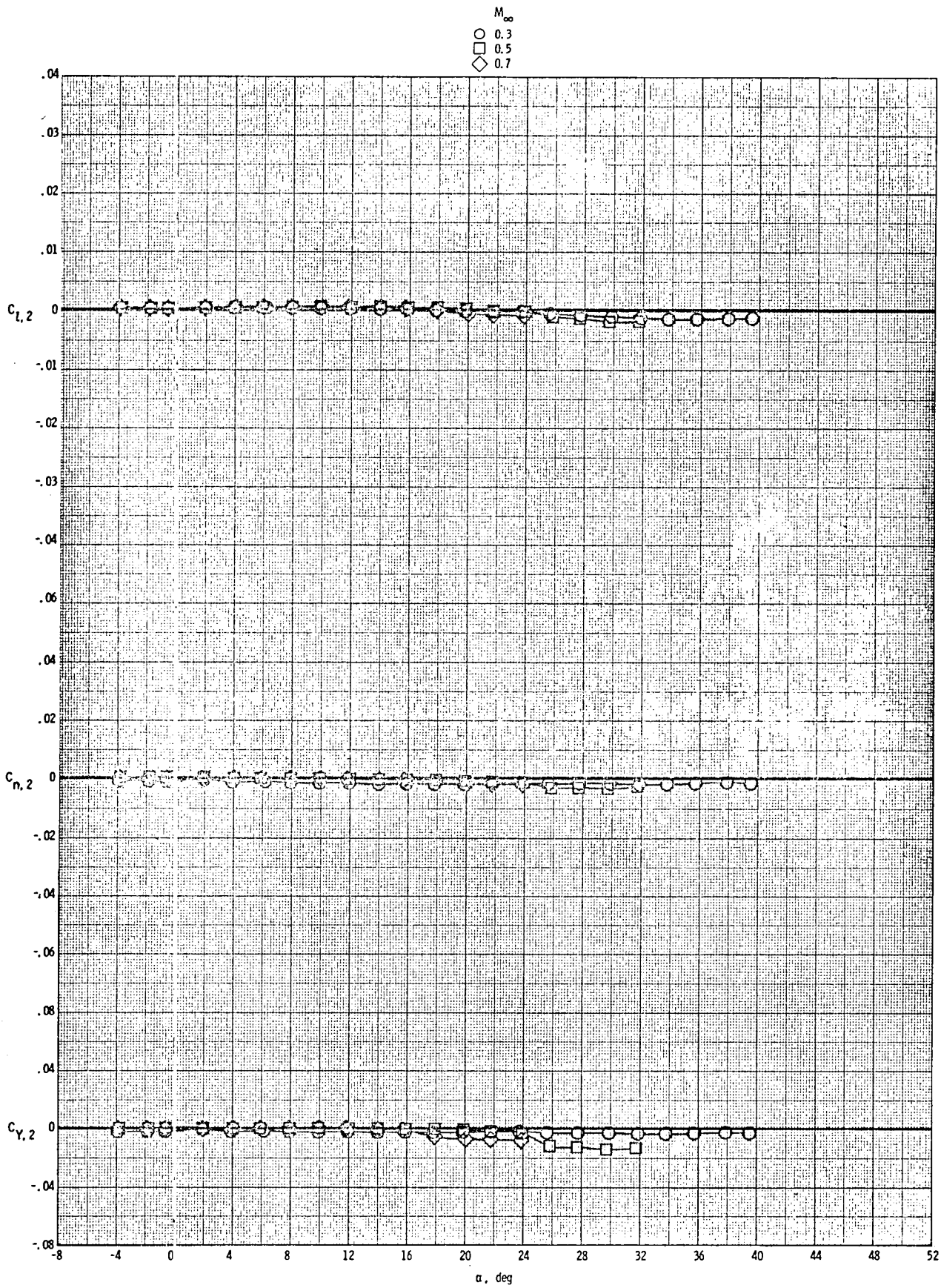
Figure 29. - Effect of Mach number on lateral-directional aerodynamic characteristics.  $\Lambda_w = 59.45^\circ$ , strake II,  $\beta = 0$ .



(b) Strake balance data.  
Figure 29. - Concluded.

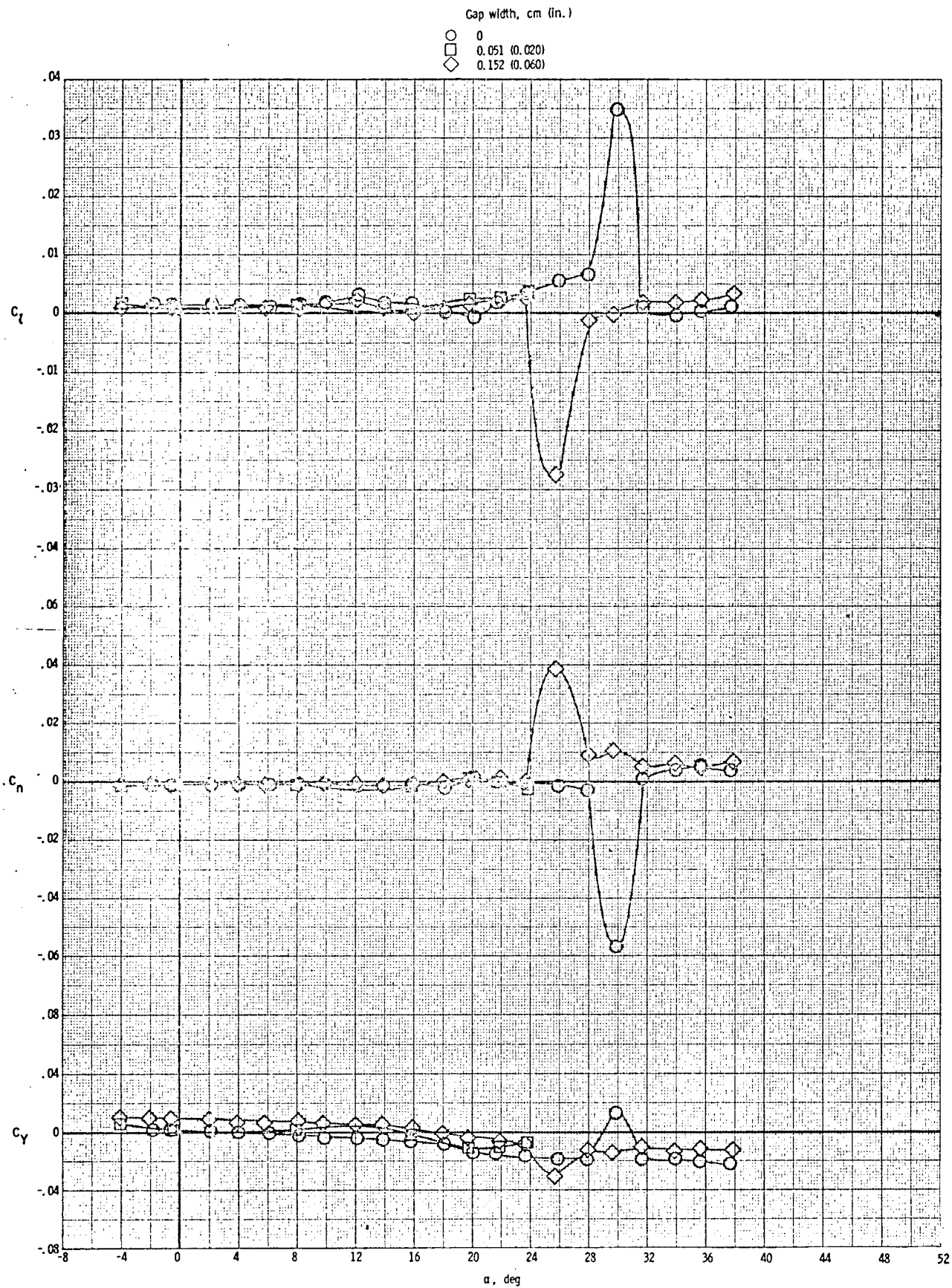


(a) Main balance data.  
 Figure 30. - Effect of Mach number on lateral-directional aerodynamic characteristics.  $\Lambda_w = 59.45^\circ$ , strake III,  $\beta = 0$ .



(b) Strake balance data.  
 Figure 30. - Concluded.

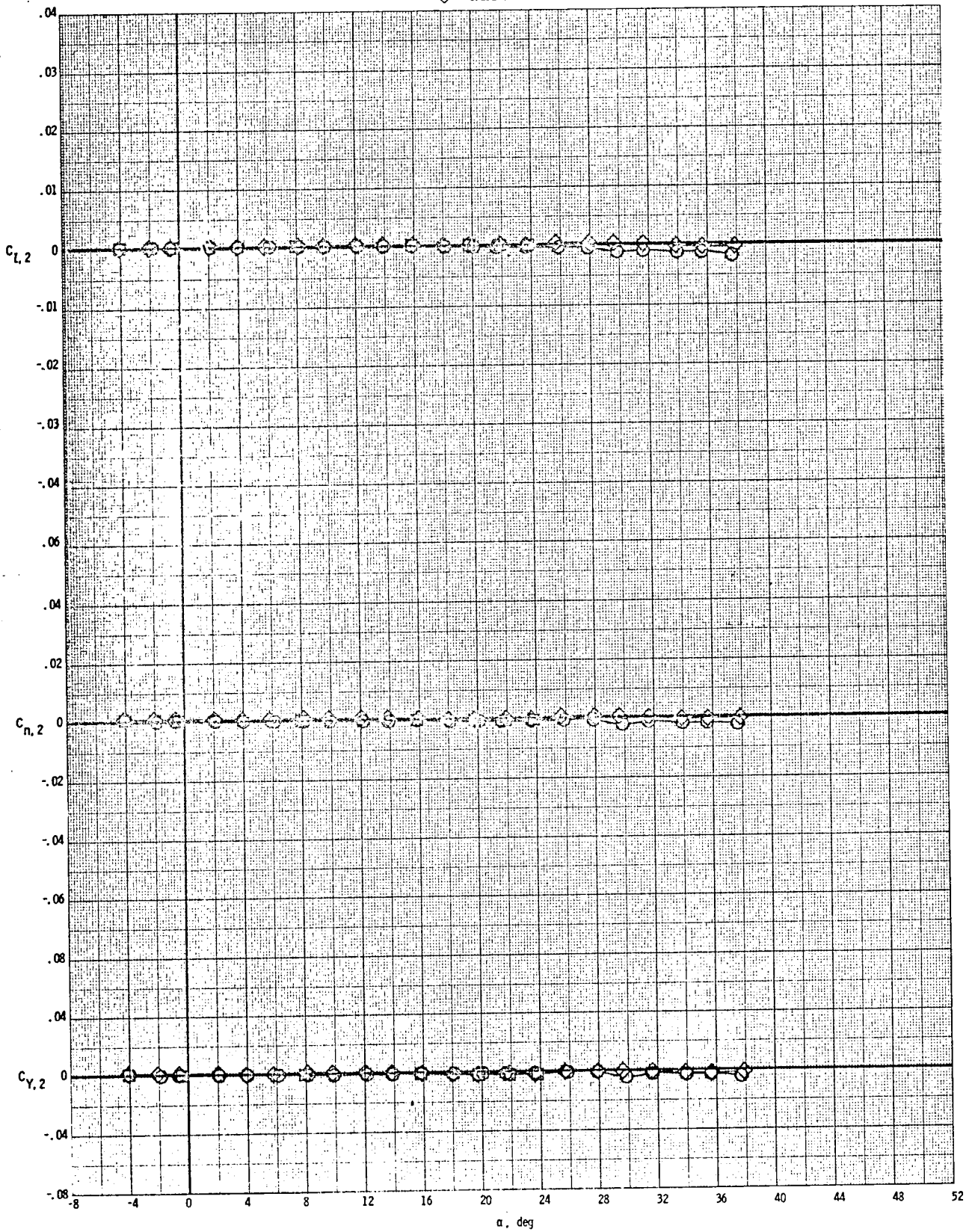




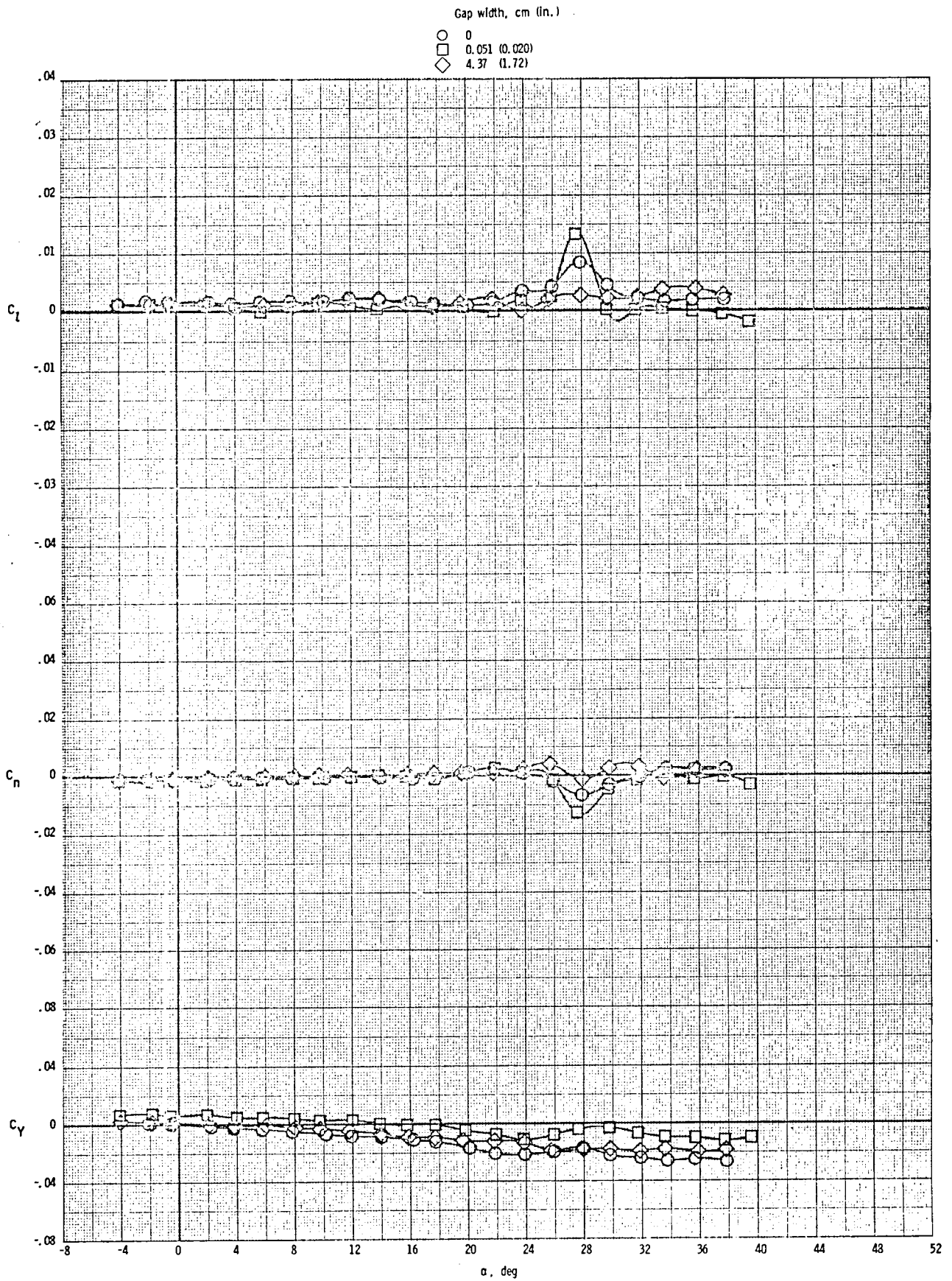
(a) Main balance data.  
 Figure 31. - Effect of strake-wing gap-flow on lateral-directional aerodynamic characteristics.  $\Lambda_w = 50^\circ$ , strake II,  $\beta = 0$ .

Gap width, cm (in.)

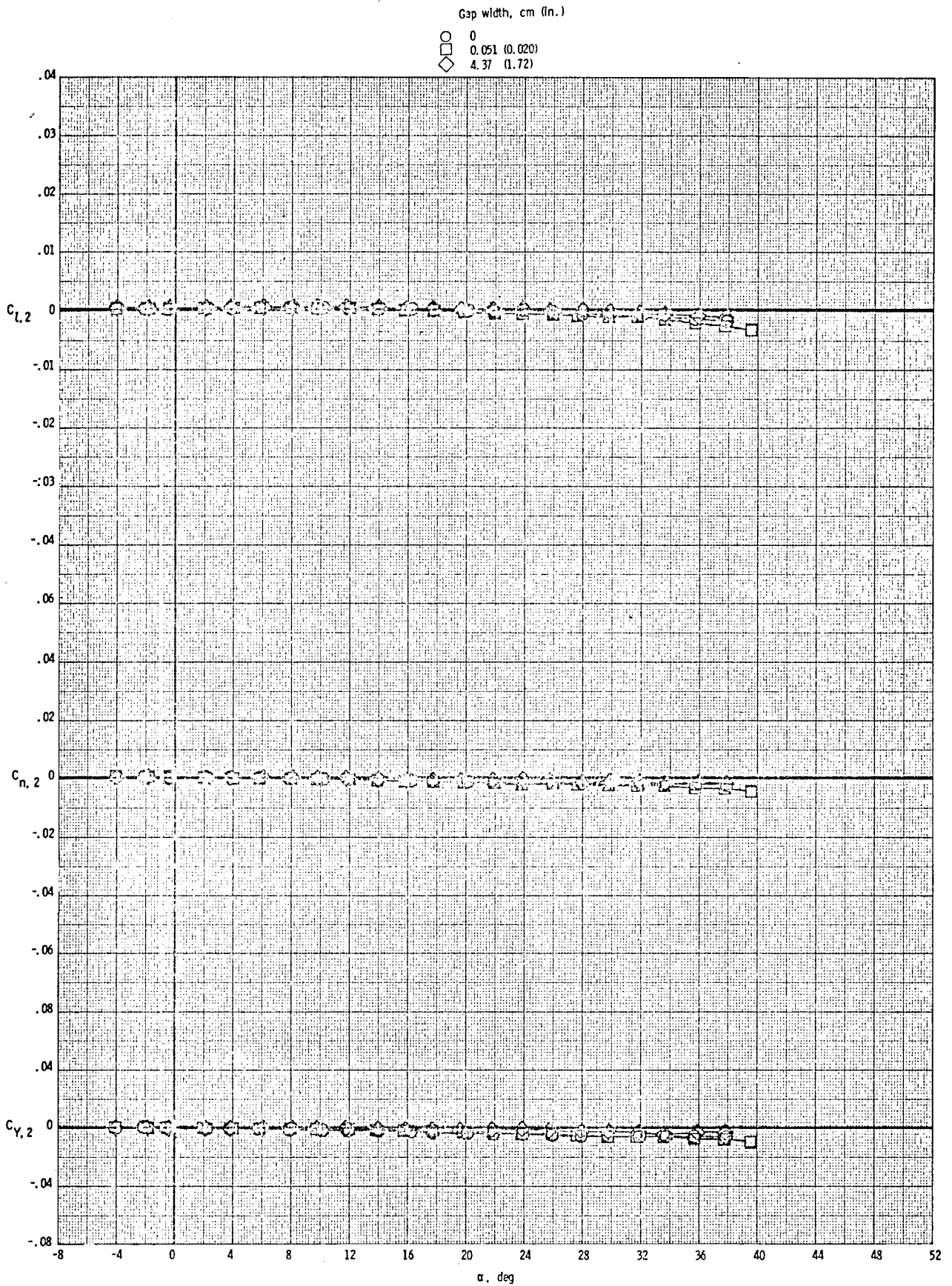
- 0
- 0.051 (0.020)
- ◇ 0.152 (0.060)



(b) Strake balance data.  
Figure 31. - Concluded.



(a) Main balance data.  
 Figure 32. - Effect of strake-wing gap-flow on lateral-directional aerodynamic characteristics.  $\Lambda_w = 50^\circ$ , strake III,  $\beta = 0$ .



(b) Strake balance data.  
Figure 32. - Concluded.

1. Report No. TM 78642		2. Government Accession No.		3. Recipient's Catalog No.	
4. Title and Subtitle SUBSONIC LONGITUDINAL AND LATERAL AERODYNAMIC CHARACTERISTICS FOR A SYSTEMATIC SERIES OF STRAKE-WING CONFIGURATIONS				5. Report Date February 1979	
				6. Performing Organization Code	
7. Author(s) James M. Luckring				8. Performing Organization Report No.	
				10. Work Unit No.	
9. Performing Organization Name and Address Langley Research Center Hampton, Virginia 23665				11. Contract or Grant No.	
				13. Type of Report and Period Covered Technical Memorandum	
12. Sponsoring Agency Name and Address National Aeronautics and Space Administration Washington, DC 20546				14. Sponsoring Agency Code	
15. Supplementary Notes					
16. Abstract <p>A systematic wind tunnel study was conducted in the Langley 7- by 10-foot high speed tunnel to help establish a parametric data base of the longitudinal and lateral aerodynamic characteristics for configurations incorporating strake-wing geometries indicative of current and proposed maneuvering aircraft. The configurations employed combinations of strakes with reflexed planforms having exposed spans of 10%, 20%, and 30% of the reference wing span and wings with trapezoidal planforms having leading edge sweep angles of approximately 30°, 40°, 44°, 50°, and 60°. Tests were conducted at Mach numbers ranging from 0.3 to 0.8 and at angles of attack ranging from approximately -4° to 48° at zero sideslip. The data are presented with no analysis in order to expedite publication.</p>					
17. Key Words (Suggested by Author(s)) Aerodynamics Forces and Moments Strake-Wing Subsonic Speeds			18. Distribution Statement Unclassified - Unlimited Star Category - 02		
19. Security Classif. (of this report) Unclassified		20. Security Classif. (of this page) Unclassified		21. No. of Pages 218	22. Price* \$9.25