NASA TN D-138

7N-02
197156
110 P.

TECHNICAL NOTE
D-138

THE EFFECTS OF AN INVERSE-TAPER LEADING-EDGE FLAP ON THE AERODYNAMIC LOADING CHARACTERISTICS OF A 45° SWEPTBACK WING AT MACH NUMBERS TO 0.90

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

WASHINGTON December 1959

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Unclas
00/02 0197156

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THE EFFECTS OF AN INVERSE-TAPER LEADING-EDGE FLAP ON THE AERODYNAMIC LOADING CHARACTERISTICS OF A 45° SWEPTBACK WING AT MACH NUMBERS TO 0.90

By Fred A. Demele

A
3
0
0

SUMMARY

Measurements have been made of the surface pressures on a plane sweptback wing having an inverse-taper leading-edge flap. Deflection of the flap produced a camber and twist distribution similar to that resulting from incorporation of conical camber in the forward portion of the wing. The wing had 45° of leading-edge sweepback, an aspect ratio of 3, and a taper ratio of 0.4. The results of tests of the wing-body combination with flap deflections to 16° are presented for a Mach number of 0.25 at a Reynolds number of 15 million and for Mach numbers of 0.60 to 0.90 at a Reynolds number of 3.2 million.

Deflection of the flap decreased the loss in loading near the wing tip which occurred for the plane wing at Mach numbers of 0.60 and greater. However, only small changes in wing normal force and center of pressure accompanied flap deflection. Deflection of the flap increased the maximum flap-section normal force and hinge moment by as much as 100 percent.

INTRODUCTION

An effective means of attaining high aerodynamic efficiency with a thin, sweptback wing at high subsonic speeds is through the use of conical camber over the forward portion of the wing (refs. 1 and 2). Since fixed camber does not provide optimum performance for widely varying speeds and lift coefficients, an investigation was conducted to determine the subsonic characteristics of a thin sweptback wing having a variable camber and twist distribution. The camber and twist distribution was obtained by deflection of an inverse-taper leading-edge flap and approximated the conical type. The effects of flap deflection on the aerodynamic forces and moments are presented in reference 3. The subject report is concerned with the pressures and aerodynamic loading associated with deflection of the flap.

The wing plan form and thickness distribution were identical to those employed in the conically cambered swept wing of references 1 and 2. The wing had 45° of sweepback of the leading edge, an aspect ratio of 3, a taper ratio of 0.4, and streamwise sections approximately 5 percent thick. The tests were conducted in the Ames 12-foot pressure wind tunnel at a Mach number of 0.25 and a Reynolds number of 15 million, and at Mach numbers from 0.60 to 0.90 and a Reynolds number of 3.2 million.

NOTATION

A aspect ratio

b wing span

c wing chord

c_{av} average wing chord

c_f flap chord

$\bar{c}$ wing mean aerodynamic chord

c_h flap section hinge-moment coefficient about hinge line, $\int_0^{1.0} \frac{(p_L - p_U)}{q_\infty}\left(1.0 - \frac{x}{c_f}\right) d\left(\frac{x}{c_f}\right)$

c_n section normal-force coefficient, $\int_0^{1.0} \frac{(p_L - p_U)}{q_\infty} d\left(\frac{x}{\bar{c}}\right)$

c_{n_f} flap section normal-force coefficient, $\int_0^{1.0} \frac{(p_L - p_U)}{q_\infty} d\left(\frac{x}{c_f}\right)$

$\frac{c_n c}{c_{av}}$ section normal-load parameter

C_L lift coefficient, $\frac{\text{lift}}{q_\infty S}$

C_N wing-panel normal-force coefficient, $\int_{0.147}^{1.0} c_n \frac{c}{c_{av}} d\left(\frac{y}{b/2}\right)$

C_p pressure coefficient, $\frac{p - p_\infty}{q_\infty}$

M free-stream Mach number

A
3
0
0

p local static pressure

p_∞ free-stream static pressure

q_∞ free-stream dynamic pressure

R Reynolds number, based on wing mean aerodynamic chord

S wing plan-form area

x longitudinal distance from wing leading edge

y lateral distance from plane of symmetry

$\frac{Y_{cp}}{b/2}$ lateral location of wing-panel center of pressure,

$$\frac{\int_{0.147}^{1.0} c_n \frac{c}{c_{av}} \frac{y}{b/2} d\left(\frac{y}{b/2}\right)}{C_N}$$

α angle of attack, measured with respect to the wing chord at the plane of symmetry

α_u angle of attack uncorrected for tunnel-wall interference

δ flap angle measured in a plane parallel to the plane of symmetry (See fig. 2.)

Subscripts

L lower surface

U upper surface

MODEL

The semispan model used in this investigation was the same model used in the investigation reported in reference 3 and consisted of the right wing panel of a sweptback wing mounted in a midwing position on a half body. The model was mounted on a turntable in the floor of the wind tunnel as shown in figure 1. The wing had 45° sweepback of the leading edge, an aspect ratio of 3, and a taper ratio of 0.4. The sections normal to the quarter-chord line had modified NACA 64A006 profiles, the

modification consisting of increased leading-edge radii (increasing in magnitude from root toward tip) and increased thickness over the forward 30-percent-chord region. Coordinates of sections parallel to the plane of symmetry are given in table I. The wing was equipped with a leading-edge flap, the chord of which varied from 0 at the root to 25 percent of the wing chord at the tip. The area of the flap was 7 percent of the total wing area. The flap was mounted on the wing by means of brackets which were flush with the lower wing surface. A gap on the upper surface resulted from deflection of the flap about a theoretical hinge line on the lower surface; this gap was filled to provide a smoothly faired upper surface. The fuselage had a Sears-Haack shape of fineness ratio 12.5. Geometry of the model and the equation of the fuselage shape are given in figure 2.

The wing, which was constructed of Fiberglas over a steel spar, contained seven rows of pressure orifices parallel to the plane of symmetry. The spanwise locations of the orifices in terms of fraction of the semispan were as follows: 0.154, 0.25, 0.40, 0.55, 0.70, 0.85, and 0.95. The chordwise locations at each spanwise location are given with the tabulated pressure-coefficient data (tables III through XXII).

TESTS

Pressure measurements were obtained for flap deflections of 0°, 4°, 8.5°, 12°, and 16° throughout an angle-of-attack range from -2° to 20°, except at high Mach numbers where the angle-of-attack range was reduced because of tunnel power limitations. The Reynolds number was 15×10^{6} at a Mach number of 0.25 and 3.2×10^{6} at Mach numbers ranging from 0.60 to 0.90. For the test condition at a Reynolds number of 3.2×10^{6}, a 0.005-inch wire was affixed to the upper and lower surfaces of the wing 1/16-inch behind the flap hinge line. This was done to fix transition from laminar to turbulent flow in the boundary layer near the wing leading edge. To verify that transition was induced by the wire, use was made of a sublimation technique employing acenaphthene in solution with petroleum ether. As stated in reference 3 the wire was effective in fixing transition close to the location of the wire. The wire was not employed for the tests at a Reynolds number of 15×10^{6}, since transition occurred close to the leading edge with the wire off.

Static pressures were measured at the tunnel wall in the region of the model to determine the test conditions for which the data may have been affected by local choking of the air stream at high Mach numbers.

Corrections

The data presented herein have been corrected for tunnel-wall interference associated with lift on the wing and for blockage due to the presence of the tunnel walls.

The method of reference 4 was used to evaluate the wall interference effects. The resulting correction (measured in degrees) which was added to the angle of attack is as follows:

$$\Delta\alpha = 0.607\ C_L$$

Corrections to the data to account for the effects of constriction due to the tunnel walls were determined by the method of reference 5. At a Mach number of 0.90 the correction amounted to an increase of about 2 percent in the measured value of Mach number and dynamic pressure.

RESULTS AND DISCUSSION

The pressure coefficients measured for the range of test conditions are presented in tables III through XXII and an index to the tabulated results is included in table II. Various integrations of the pressure coefficients have been made for selected conditions to indicate the trends of the aerodynamic loads with flap deflection. These integrations include the wing-panel normal forces and lateral centers of pressure which are presented in figures 3 and 4, respectively, the spanwise distributions of load which are presented in figure 5, and the flap section normal-forces and hinge moments which are presented in figures 6 and 7, respectively. The results presented are for Mach numbers of 0.60, 0.80, and 0.90 at a Reynolds number of 3.2×10^6, and for a Mach number of 0.25 at a Reynolds number of 15×10^6. The force-test results on the wing-body combination of this investigation (see ref. 3) indicated that, for Mach numbers of 0.60 and greater, the effects of Reynolds number would be expected to be small at least in the range of Reynolds numbers from 3×10^6 to 6×10^6. At a Mach number of 0.25, Reynolds number effects were evidenced for Reynolds numbers from 3.2×10^6 to 12×10^6, above which there were essentially no differences in the data. The wing-panel normal forces, lateral centers of pressure, and span load distributions for a range of flap angles are presented for one angle of attack corresponding to about that for which the lift-drag ratio is maximum ($\alpha = 4.1^\circ$) and another corresponding to a moderately high lift coefficient ($\alpha = 8.2^\circ$). Flap section characteristics are presented as a function of angle of attack for various flap angles.

Wing-Panel Characteristics

Normal force.- As seen in figure 3, flap deflection had little effect on wing normal force at a constant angle of attack. The largest effect was a reduction in C_N of about 0.04 as the flap angle changed from 4° to 8.5° at an angle of attack of 8.2° and a Mach number of 0.60.

Lateral center of pressure.- The change in lateral center-of-pressure location associated with flap deflection was less than 2 percent of the semispan for the conditions indicated (fig. 4). Inasmuch as the pitching moments were little affected by flap deflection for these angles of attack (ref. 3), the longitudinal center-of-pressure shifts must therefore also be small.

Section Characteristics

Spanwise loading distribution.- Comparisons of the section normal-load coefficient for the various flap deflections are shown in figure 5. At an angle of attack of 4.1° the spanwise loading distributions are similar for all flap deflections, but the wing with flap undeflected generally has the lowest loading over the inner 80 percent of the span. At an angle of attack of 8.2° and a Mach number of 0.25, the span loadings were nearly elliptical for all flap deflections. At Mach numbers of 0.6 and greater, a loss in normal load in the region of the wing tip occurred for the wing with flap undeflected, and this loss generally diminished with increasing flap deflection so that the span loadings were more nearly elliptical at the higher flap deflections.

Flap normal force and hinge moments.- Flap section normal-force coefficients at 55 percent and 95 percent of the semispan are shown in figure 6 as a function of angle of attack. Deflection of the flap increased the maximum section normal-force coefficient, the maximum increase generally occurring at a flap angle of 8.5°. At a Mach number of 0.80 the increase in maximum c_{n_f} at the outermost spanwise station was of the order of 100 percent.

As seen in figure 7, the trends in flap section hinge-moment coefficient with flap deflection were similar to those in flap section normal-force coefficient.

Ames Research Center
National Aeronautics and Space Administration
Moffett Field, Calif., Aug. 20, 1959

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TABLE I.- COORDINATES OF AIRFOIL SECTIONS FOR PLANE WING

[Coordinates are presented for sections parallel to the plane of symmetry]

2y/b	x percent c	z percent c	x percent c	z percent c	2y/b	x percent c	z percent c	x percent c	z percent c
0[a]	0	0	47.325	2.522	0.67[d]	0	0	47.325	2.522
	.672	.464	52.440	2.438		.672	.745	52.440	2.438
	1.008	.559	57.404	2.304		1.008	.842	57.404	2.304
	1.678	.704	62.223	2.132		1.678	.972	62.223	2.132
	3.340	.964	66.903	1.931		3.340	1.242	66.903	1.931
	6.623	1.317	71.452	1.709		6.623	1.609	71.452	1.709
	9.850	1.571	75.872	1.468		9.850	1.847	75.872	1.468
	13.023	1.776	80.170	1.217		13.023	2.030	80.170	1.217
	19.213	2.077	84.352	.963		19.213	2.236	84.352	.963
	25.200	2.289	88.421	.715		25.200	2.354	88.421	.715
	30.997	2.429	92.384	.473		30.997	2.429	92.384	.473
	36.610	2.511	96.212	.238		36.610	2.511	96.212	.238
	42.050	2.541	100.000	.009		42.050	2.541	100.000	.009
0.25[b]	0	0	47.325	2.522	0.83[e]	0	0	47.325	2.522
	.672	.572	52.440	2.438		.672	.817	52.440	2.438
	1.008	.663	57.404	2.304		1.008	.920	57.404	2.304
	1.678	.808	62.223	2.132		1.678	1.050	62.223	2.132
	3.340	1.067	66.903	1.931		3.340	1.322	66.903	1.931
	6.623	1.426	71.452	1.709		6.623	1.685	71.452	1.709
	9.850	1.677	75.872	1.468		9.850	1.931	75.872	1.468
	13.023	1.868	80.170	1.217		13.023	2.100	80.170	1.217
	19.213	2.135	84.352	.963		19.213	2.281	84.352	.963
	25.200	2.310	88.421	.715		25.200	2.372	88.421	.715
	30.997	2.429	92.384	.473		30.997	2.429	92.384	.473
	36.610	2.511	96.212	.238		36.610	2.511	96.212	.238
	42.050	2.541	100.000	.009		42.050	2.541	100.000	.009
0.50[c]	0	0	47.325	2.522	1.00[f]	0	0	47.325	2.522
	.672	.676	52.440	2.438		.672	.891	52.440	2.438
	1.008	.768	57.404	2.304		1.008	.988	57.404	2.304
	1.678	.907	62.223	2.132		1.678	1.118	62.223	2.132
	3.340	1.176	66.903	1.931		3.340	1.393	66.903	1.931
	6.623	1.528	71.452	1.709		6.623	1.750	71.452	1.709
	9.850	1.778	75.872	1.468		9.850	1.993	75.872	1.468
	13.023	1.963	80.170	1.217		13.023	2.155	80.170	1.217
	19.213	2.194	84.352	.963		19.213	2.317	84.352	.963
	25.200	2.333	88.421	.715		25.200	2.382	88.421	.715
	30.997	2.429	92.384	.473		30.997	2.429	92.384	.473
	36.610	2.511	96.212	.238		36.610	2.511	96.212	.238
	42.050	2.541	100.000	.009		42.050	2.541	100.000	.009

[a]Leading-edge radius: 0.190 percent chord
[b]Leading-edge radius: 0.236 percent chord
[c]Leading-edge radius: 0.370 percent chord
[d]Leading-edge radius: 0.520 percent chord
[e]Leading-edge radius: 0.713 percent chord
[f]Leading-edge radius: 0.924 percent chord

TABLE II.- INDEX OF TABULATED PRESSURE COEFFICIENTS

Table	δ, deg	M	$R \times 10^6$	α_u, deg
III	0	0.25	15.0	-2 to 20
IV	0	.60	3.2	-2 to 20
V	0	.80	3.2	-2 to 20
VI	0	*.90	3.2	-2 to 10
VII	4	.25	15.0	-2 to 20
VIII	4	.60	3.2	-2 to 20
IX	4	.85	3.2	-2 to 16
X	4	*.90	3.2	-2 to 10
XI	8.5	.25	15.0	0 to 16
XII	8.5	.60	3.2	-2 to 20
XIII	8.5	.80	3.2	-2 to 20
XIV	8.5	*.90	3.2	-2 to 10
XV	12	.25	15.0	-2 to 20
XVI	12	.60	3.2	-2 to 20
XVII	12	.80	3.2	-2 to 20
XVIII	12	.90	3.2	-2 to 8
XIX	16	.25	15.0	-2 to 16
XX	16	.60	3.2	-2 to 20
XXI	16	.80	3.2	-2 to 20
XXII	16	*.90	3.2	-2 to 10

*Local choking of the air stream occurred at $\alpha_u = 10^\circ$.

A
3
0
0

A
3
0
0

TABLE III.- WING PRESSURE COEFFICIENTS; $\delta = 0^{\circ}$, $M = 0.25$, $R = 15.0 \times 10^{6}$

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.154	0	0.48	0.53	0.39	0.08		----	----	----	----	
	2.3	.14	-.01	-.15	-.31		-0.16	0	0.15	0.25	
	5.0	.08	-.03	-.15	-.27		-.10	-.01	.09	.20	
	7.5	.05	-.05	-.15	-.25		----	----	----	----	
	10.0	.03	-.05	-.13	-.22		----	----	----	----	
	15.0	.01	-.06	-.15	-.20		-.17	-.03	.02	.09	
	20.0	-.01	-.06	-.13	-.26		-.18	-.06	.01	.03	
	25.0	-.01	-.05	-.12	-.23		-.18	-.10	-.01	.05	
	30.0	-.01	-.05	-.11	-.24		-.16	-.09	-.02	.03	
	35.0	-.03	-.08	-.15	-.26		-.13	-.08	-.03	.02	
	40.0	-.05	-.09	-.16	-.26		-.14	-.09	-.05	-.01	
	45.0	-.06	-.10	-.15	-.23		-.15	-.10	-.06	-.01	
	55.0	-.08	-.11	-.16	-.22		-.16	-.11	-.08	-.04	
	65.0	-.06	-.09	-.12	-.17		-.13	-.10	-.07	-.04	
	75.0	-.05	-.06	-.09	-.13		-.10	-.07	-.05	-.03	
	85.0	-.03	-.04	-.06	-.09		-.07	-.04	-.03	-.01	
	95.0	.01	.01	0	-.01		-.02	0	0	0	
0.25	0	0.43	0.48	0.30	-0.14	-0.90	----	----	----	----	----
	2.3	.11	-.05	-.26	-.51	-.80	----	----	----	----	----
	3.6	.08	-.05	-.22	-.40	-.62	----	----	----	----	----
	5.0	.08	-.04	-.18	-.34	-.51	-0.18	-0.03	0.09	0.20	0.30
	7.5	.04	-.07	-.18	-.31	-.45	-.19	-.06	.04	.14	.24
	10.0	.02	-.08	-.17	-.28	-.40	-.18	-.07	.02	.11	.20
	15.0	0	-.08	-.16	-.24	-.33	-.16	-.07	.01	.08	.16
	20.0	-.02	-.09	-.15	-.22	-.29	-.15	-.07	-.01	.06	.12
	25.0	-.03	-.08	-.14	-.20	-.26	-.15	-.08	-.02	.04	.09
	30.0	-.04	-.09	-.14	-.19	-.25	-.15	-.09	-.03	.02	.08
	35.0	-.03	-.10	-.15	-.19	-.25	-.16	-.10	-.05	0	.05
	40.0	-.05	-.09	-.14	-.19	-.23	-.16	-.11	-.06	-.01	.03
	45.0	-.07	-.11	-.15	-.20	-.23	-.16	-.11	-.07	-.02	.02
	55.0	-.07	-.10	-.15	-.18	-.21	-.15	-.11	-.08	-.04	0
	65.0	-.06	-.08	-.12	-.17	-.16	-.12	-.09	-.06	-.03	0
	75.0	-.04	-.06	-.09	-.11	-.12	-.09	-.06	-.04	-.02	0
	85.0	-.02	-.03	-.04	-.06	-.07	-.05	-.02	-.01	0	.02
	95.0	.02	.02	.01	.01	-.05	0	.02	.02	.03	.04
0.40	0	0.38	0.49	0.32	-0.20	-1.13	----	----	----	----	----
	2.5	.12	-.06	-.29	-.58	-.92	-0.28	-0.07	0.12	0.28	0.41
	4.6	----	----	----	----	----	-.25	-.09	.07	.22	.33
	6.0	.08	-.07	-.22	-.38	-.57	-.21	-.04	.09	.15	.30
	7.5	.05	-.08	-.20	-.35	-.51	-.24	-.09	.04	.15	.25
	10.0	.01	-.09	-.20	-.33	-.46	-.23	-.10	.01	.11	.21
	15.0	-.01	-.09	-.19	-.28	-.39	-.21	-.10	-.01	.07	.16
	20.0	-.03	-.10	-.18	-.26	-.35	-.18	-.10	-.02	.05	.13
	25.0	-.03	-.09	-.15	-.22	-.29	-.17	-.10	-.03	.04	.10
	30.0	-.03	-.09	-.14	-.20	-.27	-.15	-.09	-.03	.03	.09
	35.0	-.05	-.10	-.15	-.20	-.26	-.17	-.12	-.06	-.01	.05
	40.0	-.05	-.09	-.15	-.19	-.24	-.16	-.11	-.06	-.01	.04
	45.0	-.07	-.11	-.15	-.19	-.24	-.17	-.13	-.08	-.03	.01
	55.0	-.06	-.10	-.14	-.18	-.21	-.15	-.11	-.08	-.04	0
	65.0	-.04	-.07	-.10	-.13	-.15	-.11	-.09	-.02	-.03	0
	75.0	-.02	-.04	-.07	-.09	-.11	-.08	-.06	-.04	-.02	.01
	85.0	-.01	-.02	-.03	-.04	-.05	-.03	-.02	-.01	.01	.03
	95.0	0	.03	.03	.02	.02	.02	.03	.03	.04	.05
0.55	0	0.36	0.49	0.30	-0.25		----	----	----	----	
	2.5	.12	-.10	-.36	-.69		-0.36	-0.11	0.12	0.29	
	5.0	.06	-.10	-.29	-.50		-.29	-.11	.05	.21	
	7.4	.03	-.10	-.26	-.43		-.23	-.13	.04	.16	
	9.0	.02	-.10	-.24	-.39		-.27	-.11	.01	.13	
	10.0	.02	-.09	-.22	-.36		-.25	-.11	.01	.12	
	15.0	-.02	-.10	-.20	-.31		-.22	-.11	-.02	.08	
	20.0	-.01	-.09	-.17	-.26		-.21	-.12	-.04	.04	
	25.0	-.02	-.09	-.16	-.23		-.19	-.11	-.04	.03	
	30.0	-.03	-.08	-.15	-.20		-.18	-.11	-.05	.02	
	35.0	-.04	-.09	-.14	-.20		-.18	-.12	-.06	0	
	40.0	-.05	-.10	-.16	-.21		----	----	----	----	
	45.0	-.06	-.11	-.16	-.20		-.17	-.12	-.07	-.03	
	55.0	-.07	-.10	-.14	-.18		-.14	-.10	-.07	-.03	
	65.0	-.05	-.08	-.11	-.13		-.11	-.08	-.06	-.02	
	75.0	-.03	-.04	-.07	-.08		-.07	-.05	-.03	-.01	
	85.0	.01	-.01	-.02	-.03		-.02	0	.01	.02	
	95.0	.05	.04	.04	.03		.03	.03	.03	.04	

TABLE III.- WING PRESSURE COEFFICIENTS; $\delta = 0^{\circ}$, M = 0.25, R = 15.0×10^{6} - Continued

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.70	2.5	0.12	-0.11	-0.42	-0.79	-1.22	-0.46	-0.16	0.11	0.31	0.44
	5.0	.06	-.11	-.32	-.56	-.85	-.33	-.13	.06	.22	.34
	7.5	.04	-.09	-.27	-.47	-.67	-.29	-.12	.04	.17	.28
	10.0	.02	-.09	-.24	-.40	-.57	----	----	----	----	----
	11.1	0	-.12	-.24	-.39	-.55	-.22	-.09	.03	.14	.23
	13.0	0	-.11	-.23	-.35	-.50	-.26	-.13	-.01	.09	.19
	20.0	-.02	-.11	-.20	-.29	-.39	-.21	-.11	-.03	.06	.13
	25.0	-.02	-.09	-.17	-.25	-.31	-.17	-.11	0	.04	.11
	30.0	-.03	-.09	-.16	-.22	-.29	-.17	-.10	0	.03	.09
	35.0	-.04	-.09	-.15	-.21	-.27	-.17	-.11	-.01	.01	.06
	40.0	-.05	-.10	-.16	-.21	-.26	-.16	-.11	-.02	-.01	.04
	45.0	-.06	-.11	-.16	-.20	-.25	-.16	-.12	-.07	-.03	.02
	55.0	-.07	-.10	-.18	-.17	-.21	-.14	-.11	-.07	-.04	0
	65.0	-.05	-.08	-.10	-.13	-.15	-.09	-.07	-.04	-.01	.01
	75.0	-.02	-.04	-.06	-.08	-.09	-.05	-.04	-.02	0	.02
	85.0	-.07	0	-.02	-.02	-.03	----	----	----	----	----
	90.0	-.05	.04	.01	.01	0	.02	.02	.03	.04	.05
0.85	0	0.41	0.48	0.26	-0.36	-1.37	----	----	----	----	----
	2.5	.10	-.13	-.47	-.87	-1.35	-0.48	-0.17	0.10	0.30	0.45
	5.0	.06	-.11	-.33	-.58	-.88	-.32	-.14	.09	.23	.35
	7.5	.03	-.12	-.30	-.49	-.71	-.32	-.13	.03	.16	.28
	10.0	.01	-.12	-.26	-.43	-.61	-.27	-.12	.01	.12	.23
	15.0	0	-.10	-.21	-.33	-.46	-.21	-.09	.01	.10	.19
	16.3	0	-.09	-.19	-.30	-.42	-.21	-.11	-.01	.08	.16
	20.0	0	-.09	-.17	-.27	-.36	-.19	-.10	-.01	.06	.13
	25.0	-.01	-.08	-.15	-.22	-.30	-.18	-.11	-.03	.03	.09
	30.0	-.01	-.07	-.13	-.19	-.26	-.16	-.10	-.04	.01	.05
	35.0	-.02	-.08	-.13	-.18	-.23	-.15	-.10	-.05	0	.04
	40.0	-.04	-.09	-.13	-.17	-.22	-.14	-.10	-.05	-.01	.03
	45.0	-.06	-.10	-.13	-.17	-.21	-.14	-.10	-.07	-.03	.01
	55.0	-.05	-.09	-.11	-.14	-.17	-.12	-.10	-.07	-.04	-.01
	65.0	-.04	-.06	-.08	-.10	-.12	-.08	-.06	-.04	-.02	-.01
	75.0	-.01	-.03	-.04	-.06	-.08	-.08	-.02	-.01	-.01	0
	85.0	.02	.02	.01	-.01	-.02	0	-.01	.02	.02	.03
	90.0	.04	.03	.03	.02	-.01	.04	.02	.04	.04	.05
0.95	0	0.41	0.49	0.33	-0.09	-0.80	----	----	----	----	----
	2.5	.06	-.16	-.45	-.81	-1.23	-0.40	-0.15	0.08	0.26	0.37
	5.0	.02	-.14	-.34	-.56	-.83	-.35	-.15	.02	.17	.29
	7.5	-.01	-.14	-.30	-.47	-.69	-.30	-.14	0	.12	.27
	10.0	-.01	-.12	-.25	-.36	-.53	-.26	-.14	-.02	.07	.18
	15.0	-.03	-.11	-.18	-.28	-.37	-.20	-.12	-.04	.02	.08
	20.8	-.02	-.08	-.13	-.20	-.27	-.14	-.09	-.04	.01	.05
	23.4	----	----	----	----	----	-.12	-.07	-.02	.01	.05
	24.5	-.03	-.08	-.12	-.17	-.24	----	----	----	----	----
	30.0	-.03	-.06	-.10	-.15	-.21	-.11	-.08	-.04	-.01	.01
	35.0	-.04	-.06	-.09	-.14	-.19	-.10	-.08	-.05	-.02	-.01
	40.0	-.05	-.07	-.10	-.14	-.19	-.10	-.08	-.05	-.03	-.02
	45.0	-.05	-.07	-.10	-.14	-.19	-.10	-.08	-.06	-.04	-.03
	55.0	-.05	-.07	-.09	-.12	-.17	-.09	-.07	-.06	-.05	-.03
	65.0	-.03	-.04	-.06	-.09	-.14	-.05	-.04	-.04	-.03	-.02
	75.0	-.01	-.02	-.02	-.06	-.10	-.02	-.01	-.01	-.01	-.01
	85.0	.01	.01	0	-.02	-.07	.01	.02	.02	.02	.01
	90.0	----	----	----	----	----	.03	.04	.04	.02	.02

TABLE III.- WING PRESSURE COEFFICIENTS; $\delta = 0^{\circ}$, $M = 0.25$
$R = 15.0 \times 10^{6}$ - Continued
(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}, 20^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16	20	8	12	16	20
0.154	0	-1.18	-3.10	-5.42	-6.84	----	----	----	----
	2.3	-.72	-1.54	-3.06	-4.09	0.47	0.61	0.69	0.70
	5.0	-.52	-.91	-2.03	-2.78	.32	.53	.64	.69
	7.5	-.46	-.73	-1.25	-1.78	----	----	----	----
	10.0	-.40	-.69	-.79	-1.34	----	----	----	----
	15.0	-.38	-.64	-.69	-.89	.23	.36	.47	.54
	20.0	-.34	-.52	-.58	-.68	.21	.32	.41	.49
	25.0	-.31	-.49	-.54	-.66	.19	.31	.39	.46
	30.0	-.31	-.45	-.52	-.56	.14	.27	.37	.44
	35.0	-.32	-.41	-.45	-.64	.13	.23	.32	.38
	40.0	-.30	-.38	-.40	-.52	.10	.19	.28	.35
	45.0	-.27	-.34	-.40	-.50	.08	.18	.26	.31
	55.0	-.25	-.33	-.36	-.46	.04	.13	.20	.25
	65.0	-.20	-.24	-.29	-.36	.03	.10	.16	.20
	75.0	-.14	-.19	-.23	-.33	.03	.09	.13	.15
	85.0	-.09	-.11	-.16	-.29	.03	.07	.10	.09
	95.0	-.01	-.03	-.08	-.18	.03	.06	.06	.04
0.25	0	-1.89	-4.39	-4.80	-4.17	----	----	----	----
	2.3	-1.11	-1.98	-2.68	-1.91	----	----	----	----
	3.6	-.85	-1.73	-2.62	-1.93	----	----	----	----
	5.0	-.69	-1.41	-2.67	-1.95	0.38	0.51	0.60	0.65
	7.5	-.58	-1.04	-2.83	-2.01	.32	.47	.57	.63
	10.0	-.51	-.65	-2.89	-1.99	.28	.42	.54	.60
	15.0	-.42	-.63	-1.77	-1.84	.23	.36	.47	.54
	20.0	-.36	-.54	-.38	-1.61	.18	.32	.42	.49
	25.0	-.33	-.48	-.32	-1.39	.16	.28	.37	.44
	30.0	-.30	-.45	-.40	-1.19	.14	.25	.34	.39
	35.0	-.29	-.42	-.42	-1.04	.10	.21	.29	.36
	40.0	-.28	-.41	-.40	-.91	.09	.18	.27	.32
	45.0	-.27	-.39	-.39	-.82	.07	.16	.23	.28
	55.0	-.24	-.33	-.35	-.67	.04	.12	.18	.22
	65.0	-.20	-.27	-.30	-.58	.04	.10	.15	.18
	75.0	-.14	-.21	-.23	-.50	.03	.08	.11	.12
	85.0	-.08	-.13	-.15	-.40	.04	.07	.09	.08
	95.0	0	-.03	-.06	-.26	.04	.06	.04	-.01
0.40	0	-2.38	-4.54	-3.60	-2.88	----	----	----	----
	2.5	-1.29	-2.16	-1.51	-1.11	0.48	0.54	0.55	0.55
	4.6	----	----	----	----	.42	.53	.58	.61
	6.0	-.77	-1.95	-1.61	-1.11	.38	.51	.57	.60
	7.5	-.68	-1.83	-1.65	-1.11	.34	.47	.55	.59
	10.0	-.59	-1.59	-1.71	-1.11	.29	.43	.51	.56
	15.0	-.50	-1.08	-1.78	-1.09	.23	.36	.45	.50
	20.0	-.43	-.74	-1.74	-1.09	.19	.32	.40	.46
	25.0	-.36	-.53	-1.60	-1.09	.16	.28	.35	.41
	30.0	-.33	-.43	-1.44	-1.06	.15	.25	.33	.38
	35.0	-.31	-.38	-1.23	-1.02	.10	.20	.27	.33
	40.0	-.29	-.34	-1.00	-.97	.09	.19	.25	.29
	45.0	-.28	-.32	-.80	-.91	.06	.15	.20	.25
	55.0	-.24	-.27	-.50	-.83	.04	.11	.15	.18
	65.0	-.18	-.20	-.31	-.75	.02	.09	.12	.13
	75.0	-.12	-.14	-.24	-.70	.02	.07	.08	.06
	85.0	-.06	-.07	-.18	-.63	.04	.07	.06	-.01
	95.0	.02	0	-.09	-.54	.05	.05	.01	-.18
0.55	0	-2.57	-3.45	-2.60	-2.05	----	----	----	----
	2.5	-1.53	-1.72	-1.11	-.85	0.49	0.53	0.53	0.51
	5.0	-1.03	-1.74	-1.11	-.85	.41	.52	.56	.57
	7.4	-.83	-1.74	-1.11	-.84	.36	.48	.54	.56
	9.0	-.74	-1.73	-1.10	-.84	.32	.44	.50	.54
	10.0	-.69	-1.72	-1.10	-.83	.28	.43	.49	.53
	15.0	-.55	-1.60	-1.07	-.82	.24	.36	.43	.47
	20.0	-.45	-1.41	-1.06	-.80	.19	.31	.37	.41
	25.0	-.39	-1.19	-1.05	-.79	.16	.27	.33	.37
	30.0	-.35	-.92	-1.04	-.78	.13	.23	.29	.33
	35.0	-.32	-.67	-1.00	-.77	.11	.20	.25	.29
	40.0	-.31	-.48	-.97	-.78	----	----	----	----
	45.0	-.30	-.35	-.93	-.77	.07	.14	.18	.21
	55.0	-.25	-.23	-.83	-.74	.05	.11	.13	.15
	65.0	-.18	-.17	-.72	-.70	.03	.08	.08	.07
	75.0	-.11	-.11	-.62	-.67	.03	.06	.03	0
	85.0	-.05	-.05	-.52	-.63	.05	.07	0	-.07
	95.0	.03	.01	-.41	-.59	.05	.05	-.13	-.28

TABLE III.- WING PRESSURE COEFFICIENTS; $\delta = 0^{\circ}$, M = 0.25, R = 15.0×10^{6} - Concluded

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}, 20^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16	20	8	12	16	20
0.70	2.5	-1.69	-1.27	-0.68	-0.67	0.49	0.52	0.52	0.48
	5.0	-1.15	-1.23	-.68	-.68	.42	.51	.53	.53
	7.5	-.91	-1.20	-.68	-.67	.37	.47	.50	.52
	10.0	-.76	-1.18	-.68	-.67	----	----	----	----
	11.1	-.72	-1.17	-.68	-.67	.31	.41	.45	.49
	13.0	-.65	-1.16	-.68	-.66	.27	.38	.42	.46
	20.0	-.50	-1.14	-.69	-.67	.20	.30	.34	.38
	25.0	-.42	-1.09	-.68	-.66	.17	.26	.30	.34
	30.0	-.37	-1.05	-.67	-.65	.14	.22	.26	.30
	35.0	-.33	-.99	-.66	-.65	.11	.19	.22	.25
	40.0	-.32	-.92	-.65	-.64	.09	.16	.18	.21
	45.0	-.30	-.84	-.65	-.64	.06	.12	.14	.17
	55.0	-.24	-.68	-.63	-.62	.04	.08	.08	.09
	65.0	-.18	-.52	-.61	-.60	.04	.06	.04	.04
	75.0	-.11	-.36	-.57	-.58	.04	.04	-.02	-.03
	85.0	-.04	-.24	-.53	-.56	----	----	----	----
	90.0	-.01	-.18	-.51	-.54	.06	.01	-.15	-.18
0.85	0	-2.79	-1.86	-1.35	-1.50	----	----	----	----
	2.5	-1.89	-.76	-.51	-.55	0.49	0.51	0.50	0.47
	5.0	-1.20	-.73	-.51	-.56	.43	.48	.49	.50
	7.5	-.95	-.72	-.51	-.56	.36	.42	.44	.48
	10.0	-.80	-.70	-.51	-.56	.31	.37	.40	.45
	15.0	-.60	-.68	-.53	-.55	.26	.31	.35	.39
	16.3	-.55	-.68	-.52	-.55	.23	.29	.33	.38
	20.0	-.46	-.66	-.52	-.54	.19	.26	.30	.34
	25.0	-.38	-.63	-.52	-.54	.15	.20	.24	.28
	30.0	-.33	-.61	-.51	-.53	.12	.16	.19	.24
	35.0	-.30	-.59	-.51	-.53	.09	.13	.16	.20
	40.0	-.28	-.56	-.50	-.53	.07	.10	.12	.16
	45.0	-.26	-.54	-.49	-.52	.04	.07	.09	.11
	55.0	-.21	-.50	-.47	-.51	.01	.02	.02	.04
	65.0	-.16	-.46	-.45	-.49	.01	0	-.01	-.01
	75.0	-.10	-.40	-.43	-.48	.01	-.02	-.06	-.06
	85.0	-.04	-.37	-.41	-.46	.03	-.06	-.11	-.13
	90.0	-.01	-.35	-.40	-.44	.04	-.09	-.15	-.17
0.95	0	-1.80	-0.91	-0.81	-0.95	----	----	----	----
	2.5	-1.71	-.56	-.45	-.47	0.46	0.45	0.44	0.42
	5.0	-1.12	-.55	-.46	-.47	.37	.38	.40	.42
	7.5	-.91	-.54	-.46	-.47	.30	.32	.35	.38
	10.0	-.71	-.54	-.47	-.48	.23	.26	.29	.33
	15.0	-.49	-.52	-.47	-.49	.14	.17	.20	.26
	20.8	-.38	-.50	-.47	-.49	.09	.11	.15	.20
	23.4	----	----	----	----	.08	.11	.14	.18
	24.5	-.31	-.48	-.47	-.49	----	----	----	----
	30.0	-.28	-.45	-.47	-.49	0	.05	.07	.11
	35.0	-.26	-.43	-.45	-.47	-.01	.03	.05	.08
	40.0	-.26	-.40	-.44	-.46	-.02	.01	.03	.05
	45.0	-.25	-.38	-.41	-.45	-.03	0	.01	.02
	55.0	-.24	-.33	-.38	-.44	-.04	-.02	-.03	-.02
	65.0	-.21	-.30	-.35	-.42	-.03	-.04	-.06	-.06
	75.0	-.16	-.29	-.33	-.41	-.01	-.05	-.09	-.09
	85.0	-.12	-.28	-.32	-.39	0	-.08	-.11	-.13
	90.0	----	----	----	----	.01	-.10	-.13	-.16

TABLE IV.- WING PRESSURE COEFFICIENTS; $\delta = 0^{\circ}$, $M = 0.60$, $R = 3.2\times10^{6}$

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.154	0	0.52	0.56	0.46	0.20	-0.17	----	----	----	----	----
	2.3	.13	.01	-.14	-.31	-.52	-0.14	0.04	0.18	0.28	0.41
	5.0	.06	-.03	-.15	-.29	-.45	-.13	-.03	.09	.19	.30
	7.5	.03	-.04	-.15	-.27	-.42	----	----	----	----	----
	10.0	.03	-.04	-.14	-.25	-.38	----	----	----	----	----
	15.0	-.01	-.07	-.14	-.24	-.35	-.14	-.08	.01	.08	.17
	20.0	0	-.09	-.15	-.23	-.30	-.13	-.08	0	.06	.14
	25.0	0	-.09	-.14	-.21	-.28	-.14	-.09	-.01	.04	.11
	30.0	-.01	-.08	-.13	-.20	-.25	-.15	-.11	-.04	.01	.09
	35.0	-.04	-.11	-.15	-.22	-.28	-.15	-.11	-.04	.01	.07
	40.0	-.05	-.12	-.17	-.24	-.27	-.16	-.13	-.06	-.01	.05
	45.0	-.05	-.12	-.16	-.23	-.26	-.17	-.14	-.08	-.04	.02
	55.0	-.06	-.14	-.18	-.23	-.26	-.18	-.15	-.10	-.06	-.01
	65.0	-.07	-.12	-.15	-.18	-.21	-.15	-.14	-.09	-.07	-.01
	75.0	-.05	-.10	-.11	-.14	-.15	-.13	-.12	-.08	-.06	-.02
	85.0	-.03	-.07	-.08	-.10	-.11	-.08	-.08	-.07	-.03	0
	95.0	0	-.02	-.01	-.04	-.04	-.02	-.03	-.01	-.01	.01
0.25	0	0.46	0.49	0.34	-0.01	-0.36	----	----	----	----	----
	2.3	.11	-.06	-.29	-.50	-1.23	----	----	----	----	----
	3.6	.08	-.04	-.21	-.43	-1.09	----	----	----	----	----
	5.0	.05	-.04	-.19	-.38	-.89	-0.17	-0.05	0.09	0.19	0.30
	7.5	.02	-.08	-.19	-.34	-.57	-.19	-.09	.04	.13	.24
	10.0	-.01	-.09	-.19	-.32	-.41	-.19	-.10	.01	.10	.20
	15.0	-.03	-.10	-.17	-.27	-.36	-.17	-.10	0	.06	.15
	20.0	-.04	-.10	-.17	-.25	-.32	-.16	-.10	-.01	.05	.12
	25.0	-.06	-.10	-.16	-.24	-.31	-.16	-.11	-.03	.02	.10
	30.0	-.06	-.10	-.16	-.23	-.30	-.16	-.11	-.04	.01	.08
	35.0	-.08	-.11	-.17	-.24	-.30	-.17	-.13	-.06	-.01	.03
	40.0	-.06	-.13	-.17	-.24	-.28	-.18	-.14	-.08	-.03	.03
	45.0	-.08	-.15	-.18	-.24	-.28	-.18	-.15	-.09	-.05	.01
	55.0	-.09	-.15	-.17	-.22	-.25	-.17	-.15	-.09	-.06	0
	65.0	-.08	-.12	-.15	-.19	-.20	-.14	-.12	-.09	-.05	0
	75.0	-.05	-.10	-.10	-.14	-.15	-.10	-.10	-.08	-.04	0
	85.0	-.03	-.05	-.06	-.09	-.09	-.05	-.06	-.04	-.01	.01
	95.0	.01	0	0	-.01	0	.01	0	0	.02	.03
0.40	0	0.44	0.49	0.34	-0.05	-0.34	----	----	----	----	----
	2.5	.08	-.10	-.34	-.63	-.85	-0.31	-0.08	0.14	0.29	0.39
	4.6	----	----	----	----	----	-.27	-.10	.08	.24	.32
	6.0	.04	-.10	-.23	-.44	-.76	-.25	-.10	.07	.20	.29
	7.5	.03	-.10	-.23	-.40	-.72	-.25	-.10	.04	.15	.25
	10.0	-.02	-.10	-.23	-.38	-.66	-.25	-.11	.01	.11	.20
	15.0	-.04	-.11	-.22	-.34	-.53	-.22	-.12	-.01	.07	.15
	20.0	-.06	-.13	-.21	-.31	-.46	-.21	-.12	-.03	.05	.12
	25.0	-.06	-.11	-.18	-.27	-.39	-.20	-.12	-.04	.02	.10
	30.0	-.07	-.11	-.17	-.25	-.35	-.19	-.12	-.05	.01	.07
	35.0	-.08	-.13	-.17	-.25	-.32	-.20	-.14	-.07	-.01	.05
	40.0	-.09	-.13	-.17	-.25	-.30	-.20	-.14	-.08	-.02	.03
	45.0	-.10	-.14	-.18	-.25	-.29	-.20	-.15	-.10	-.05	0
	55.0	-.09	-.14	-.19	-.21	-.27	-.18	-.14	-.10	-.04	-.01
	65.0	-.06	-.11	-.14	-.16	-.19	-.14	-.11	-.07	-.04	-.01
	75.0	-.04	-.08	-.10	-.11	-.13	-.10	-.09	-.05	-.02	-.01
	85.0	-.01	-.03	-.04	-.05	-.07	-.05	-.03	-.01	0	.01
	95.0	.02	.02	.02	.01	.01	-.01	.02	.03	.03	.01
0.55	0	0.41	0.49	0.33	-0.09	-0.39	----	----	----	----	----
	2.5	.08	-.13	-.44	-.76	-1.15	-0.44	-0.11	0.13	0.30	0.40
	5.0	.03	-.14	-.34	-.57	-1.15	-.31	-.12	.06	.20	.31
	7.4	-.01	-.13	-.27	-.49	-1.13	-.29	-.13	.03	.16	.23
	9.0	-.01	-.16	-.26	-.46	-1.12	-.28	-.15	0	.13	.22
	10.0	-.01	-.11	-.26	-.43	-1.12	-.26	-.14	.01	.13	.22
	15.0	-.06	-.14	-.24	-.37	-.88	-.25	-.13	-.02	.07	.16
	20.0	-.06	-.13	-.21	-.33	-.50	-.24	-.14	-.04	.04	.11
	25.0	-.06	-.11	-.19	-.29	-.32	-.22	-.13	-.05	.02	.07
	30.0	-.06	-.11	-.18	-.27	-.25	-.21	-.14	-.06	.01	.07
	35.0	-.07	-.13	-.18	-.25	-.25	-.21	-.14	-.07	-.01	.04
	40.0	-.08	-.13	-.19	-.24	-.25	----	----	----	----	----
	45.0	-.09	-.14	-.19	-.24	-.25	-.20	-.14	-.09	-.03	.01
	55.0	-.09	-.13	-.17	-.20	-.22	-.17	-.13	-.09	-.05	.01
	65.0	-.08	-.11	-.13	-.16	-.17	-.13	-.10	-.07	-.04	-.01
	75.0	-.05	-.07	-.08	-.10	-.10	-.09	-.06	-.04	-.01	0
	85.0	-.01	-.02	-.03	-.04	-.04	-.03	-.01	0	.01	.02
	95.0	.04	.04	.04	.03	.02	.02	.02	.03	.02	.04

TABLE IV.- WING PRESSURE COEFFICIENTS; $\delta = 0^{\circ}$, M = 0.60, R = 3.2×10^{6} - Continued

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.70	2.5	0.07	-0.15	-0.40	-0.87	-0.92	-0.55	-0.16	0.12	0.31	0.41
	5.0	.03	-.15	-.37	-.68	-.90	-.36	-.14	.06	.22	.31
	7.5	-.03	-.15	-.31	-.56	-.90	-.31	-.14	.02	.17	.26
	10.0	-.03	-.14	-.28	-.49	-.89	----	----	----	----	----
	11.1	-.03	-.14	-.28	-.46	-.89	-.25	-.12	.01	.13	.21
	13.0	-.06	-.15	-.26	-.43	-.88	-.27	-.16	-.03	.09	.18
	20.0	-.04	-.12	-.22	-.33	-.81	-.24	-.14	-.03	.05	.12
	25.0	-.04	-.11	-.19	-.29	-.72	-.21	-.13	-.04	.04	.10
	30.0	-.05	-.11	-.18	-.26	-.60	-.20	-.12	-.05	.02	.08
	35.0	-.06	-.11	-.18	-.25	-.47	-.20	-.13	-.07	0	.05
	40.0	-.08	-.13	-.19	-.24	-.35	-.20	-.13	-.08	-.01	.02
	45.0	-.09	-.13	-.19	-.23	-.28	-.20	-.14	-.09	-.03	0
	55.0	-.09	-.13	-.16	-.19	-.19	-.17	-.13	-.09	-.05	-.01
	65.0	-.08	-.10	-.11	-.14	-.14	-.12	-.09	-.06	-.04	-.02
	75.0	-.04	-.05	-.07	-.08	-.09	-.08	-.06	-.04	-.02	-.01
	85.0	0	-.01	-.01	-.02	-.03	----	----	----	----	----
	90.0	.01	.01	.01	.01	0	.01	.01	.02	.02	.02
0.85	0	0.43	0.49	0.28	-0.16	-0.28	----	----	----	----	----
	2.5	.07	-.18	-.59	-.93	-.78	-0.63	-0.18	0.11	0.29	0.38
	5.0	.02	-.15	-.37	-.69	-.75	-.36	-.16	.06	.21	.29
	7.5	-.03	-.17	-.34	-.57	-.75	-.36	-.17	.01	.15	.22
	10.0	-.03	-.15	-.30	-.50	-.73	-.31	-.16	-.01	.11	.18
	15.0	-.04	-.15	-.26	-.41	-.72	-.25	-.14	-.02	.08	.14
	16.3	-.03	-.14	-.23	-.38	-.71	-.25	-.14	-.02	.08	.13
	20.0	-.04	-.13	-.21	-.33	-.68	-.22	-.19	-.03	.05	.13
	25.0	-.04	-.11	-.18	-.28	-.63	-.21	-.13	-.05	.02	.06
	30.0	-.05	-.11	-.17	-.24	-.57	-.19	-.12	-.05	0	.04
	35.0	-.06	-.10	-.16	-.22	-.51	-.18	-.11	-.06	-.02	.02
	40.0	-.08	-.11	-.16	-.21	-.44	-.17	-.12	-.07	-.03	-.01
	45.0	-.09	-.12	-.16	-.20	-.38	-.17	-.13	-.09	-.06	-.03
	55.0	-.09	-.11	-.14	-.17	-.28	-.14	-.11	-.08	-.06	-.05
	65.0	-.07	-.08	-.10	-.12	-.20	-.10	-.08	-.06	-.05	-.04
	75.0	-.04	-.05	-.05	-.07	-.14	-.06	-.04	-.03	-.03	-.03
	85.0	0	0	0	-.02	-.09	-.01	0	.01	.01	-.01
	90.0	.02	.03	.02	.01	-.06	.02	.03	.03	.03	0
0.95	0	0.44	0.49	0.37	0.06	0.03	----	----	----	----	----
	2.5	.03	-.20	-.59	-1.02	-.60	-0.66	-0.22	0.07	0.26	0.32
	5.0	-.04	-.19	-.38	-.75	-.62	-.41	-.20	.01	.15	.21
	7.5	-.06	-.19	-.35	-.60	-.57	-.35	-.19	-.03	.09	.15
	10.0	-.06	-.18	-.30	-.46	-.57	-.30	-.18	-.06	.04	.09
	15.0	-.08	-.15	-.22	-.33	-.53	-.23	-.16	-.07	-.01	.03
	20.8	-.08	-.12	-.16	-.24	-.48	-.16	-.13	-.08	-.03	-.01
	23.4	----	----	----	----	----	-.14	-.12	-.07	-.03	-.01
	24.5	-.07	-.10	-.14	-.21	-.45	----	----	----	----	----
	30.0	-.07	-.08	-.12	-.18	-.40	-.13	-.08	-.06	-.04	-.03
	35.0	-.06	-.08	-.12	-.17	-.36	-.13	-.09	-.06	-.05	-.04
	40.0	-.08	-.09	-.12	-.16	-.33	-.13	-.10	-.07	-.06	-.06
	45.0	-.08	-.10	-.12	-.16	-.30	-.13	-.10	-.08	-.07	-.07
	55.0	-.07	-.09	-.11	-.15	-.25	-.11	-.10	-.07	-.07	-.07
	65.0	-.06	-.06	-.08	-.12	-.22	-.08	-.06	-.05	-.05	-.06
	75.0	-.03	-.03	-.04	-.08	-.18	-.04	-.02	-.02	-.03	-.04
	85.0	0	.01	0	-.04	-.15	0	.01	.01	0	-.03
	90.0	----	----	----	----	----	.02	.03	.03	.01	-.03

TABLE IV.- WING PRESSURE COEFFICIENTS; $\delta = 0^{\circ}$, $M = 0.60$, $R = 3.2\times10^{6}$ - Continued

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}, 20^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16	20	8	12	16	20
0.154	0	-0.58	-1.26	-1.79	-1.14	----	----	----	----
	2.3	-.81	-2.32	-3.07	-1.08	0.50	0.62	0.70	0.71
	5.0	-.64	-.91	-3.47	-1.01	.39	.51	.60	.63
	7.5	-.57	-.77	-1.14	-1.01	----	----	----	----
	10.0	-.51	-.69	-.86	-.98	----	----	----	----
	15.0	-.44	-.61	-.82	-.96	.24	.35	.45	.50
	20.0	-.39	-.54	-.64	-.93	.21	.31	.41	.46
	25.0	-.35	-.49	-.58	-.90	.18	.28	.38	.44
	30.0	-.33	-.48	-.57	-.83	.15	.24	.34	.40
	35.0	-.38	-.48	-.57	-.79	.13	.22	.31	.37
	40.0	-.35	-.43	-.50	-.72	.10	.19	.28	.34
	45.0	-.32	-.40	-.49	-.68	.08	.16	.26	.30
	55.0	-.30	-.35	-.47	-.65	.04	.10	.19	.23
	65.0	-.23	-.29	-.40	-.59	.02	.07	.14	.17
	75.0	-.18	-.24	-.33	-.58	.01	.05	.10	.11
	85.0	-.12	-.18	-.25	-.54	.02	.04	.07	.04
	95.0	-.07	-.10	-.15	-.47	.02	.01	.01	-.09
0.25	0	-0.74	-1.53	-2.09	-0.92	----	----	----	----
	2.3	-1.43	-1.86	-1.99	-.90	----	----	----	----
	3.6	-1.43	-1.89	-2.02	-.92	----	----	----	----
	5.0	-1.43	-1.98	-2.07	-.93	0.39	0.50	0.61	0.65
	7.5	-1.35	-2.06	-2.09	-.93	.32	.44	.56	.61
	10.0	-1.10	-2.05	-2.09	-.93	.29	.40	.52	.58
	15.0	-.30	-1.49	-1.92	-.95	.23	.34	.46	.51
	20.0	-.31	-.31	-1.58	-.95	.20	.30	.40	.46
	25.0	-.32	-.28	-1.14	-.93	.16	.26	.37	.42
	30.0	-.32	-.31	-.79	-.91	.14	.22	.32	.38
	35.0	-.32	-.35	-.62	-.90	.11	.19	.29	.34
	40.0	-.32	-.36	-.54	-.85	.09	.16	.26	.30
	45.0	-.32	-.38	-.51	-.83	.06	.13	.21	.26
	55.0	-.28	-.36	-.46	-.79	.04	.09	.17	.19
	65.0	-.23	-.30	-.43	-.76	.03	.07	.13	.14
	75.0	-.16	-.23	-.36	-.71	.03	.05	.09	.08
	85.0	-.09	-.16	-.29	-.66	.03	.04	.05	0
	95.0	-.01	-.07	-.16	-.57	.04	.01	.01	-.17
0.40	0	-0.72	-1.33	-1.30	-0.84	----	----	----	----
	2.5	-1.16	-1.36	-1.22	-.82	0.48	0.56	0.59	0.61
	4.6	----	----	----	----	.41	.52	.58	.61
	6.0	-1.17	-1.39	-1.25	-.83	.38	.49	.56	.60
	7.5	-1.17	-1.41	-1.24	-.83	.34	.46	.53	.58
	10.0	-1.19	-1.46	-1.23	-.83	.29	.41	.49	.55
	15.0	-1.13	-1.57	-1.22	-.83	.24	.34	.43	.49
	20.0	-1.07	-1.58	-1.22	-.82	.17	.30	.38	.44
	25.0	-.73	-1.46	-1.19	-.82	.16	.26	.33	.40
	30.0	-.43	-1.26	-1.16	-.82	.14	.23	.30	.35
	35.0	-.30	-1.03	-1.10	-.81	.10	.19	.26	.31
	40.0	-.22	-.76	-1.03	-.81	.08	.16	.22	.27
	45.0	-.22	-.54	-.97	-.80	.05	.12	.18	.22
	55.0	-.21	-.33	-.85	-.77	.03	.09	.12	.15
	65.0	-.18	-.24	-.71	-.75	.03	.05	.09	.09
	75.0	-.12	-.19	-.60	-.72	.02	.04	.04	.01
	85.0	-.06	-.13	-.51	-.70	.04	.04	-.01	-.08
	95.0	.02	-.04	-.39	-.66	.06	.02	-.12	-.29
0.55	0	-0.57	-0.91	-1.00	0.03	----	----	----	----
	2.5	-1.01	-.95	-.89	-.66	0.47	0.55	0.55	0.56
	5.0	-1.01	-.95	-.89	-.77	.39	.50	.54	.57
	7.4	-1.02	-.95	-.89	-.76	.34	.45	.51	.55
	9.0	-1.03	-.96	-.89	-.77	.31	.41	.47	.52
	10.0	-1.05	-.98	-.90	-.77	.30	.40	.47	.51
	15.0	-1.05	-.98	-.88	-.76	.23	.33	.40	.45
	20.0	-1.03	-.98	-.87	-.76	.19	.29	.35	.40
	25.0	-1.01	-.97	-.84	-.75	.16	.25	.31	.36
	30.0	-.94	-.97	-.84	-.75	.13	.21	.27	.31
	35.0	-.84	-.94	-.82	-.74	.10	.18	.23	.28
	40.0	-.70	-.91	-.81	-.72	----	----	----	----
	45.0	-.53	-.88	-.80	-.72	.06	.11	.15	.19
	55.0	-.23	-.78	-.76	-.71	.03	.07	.09	.11
	65.0	-.11	-.68	-.72	-.70	.02	.04	.04	.04
	75.0	-.05	-.58	-.67	-.68	.02	.01	-.01	-.04
	85.0	-.01	-.46	-.62	-.64	.04	0	-.09	-.13
	95.0	.04	-.33	-.57	-.62	.06	0	-.26	-.33

3H

A
3
0
0

TABLE IV.- WING PRESSURE COEFFICIENTS; $\delta = 0^{\circ}$, M = 0.60, R = 3.2×10^{6} - Concluded

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}, 20^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16	20	8	12	16	20
0.70	2.5	-0.84	-0.68	-0.69	-0.66	0.48	0.52	0.53	0.52
	5.0	-.82	-.67	-.70	-1.68	.39	.48	.51	.54
	7.5	-.84	-.68	-.69	-1.68	.34	.43	.48	.52
	10.0	-.82	-.67	-.69	-1.67	----	----	----	----
	11.1	-.82	-.69	-.69	-1.67	.29	.38	.43	.48
	13.0	-.80	-.67	-.69	-1.67	.26	.34	.40	.45
	20.0	-.80	-.66	-.69	-.66	.19	.27	.32	.38
	25.0	-.80	-.65	-.68	-.65	.16	.23	.29	.33
	30.0	-.79	-.64	-.66	-.65	.14	.20	.25	.30
	35.0	-.78	-.63	-.65	-.64	.10	.16	.20	.25
	40.0	-.75	-.61	-.64	-.63	.07	.12	.16	.19
	45.0	-.71	-.61	-.64	-.63	.05	.09	.11	.15
	55.0	-.61	-.59	-.61	-.61	.02	.03	.03	.07
	65.0	-.49	-.57	-.59	-.60	.01	0	-.01	-.01
	75.0	-.35	-.54	-.58	-.60	.01	-.04	-.07	-.08
	85.0	-.22	-.50	-.55	-.58	----	----	----	----
	90.0	-.12	-.48	-.54	-.57	.01	-.15	-.21	-.24
0.85	0	-0.32	-0.54	-0.65	-0.60	----	----	----	----
	2.5	-.58	-.52	-.55	-.56	0.44	0.49	0.50	0.49
	5.0	-.56	-.52	-.55	-.56	.37	.44	.48	.49
	7.5	-.57	-.52	-.55	-.56	.30	.38	.43	.46
	10.0	-.55	-.52	-.55	-.56	.25	.33	.39	.43
	15.0	-.53	-.53	-.56	-.56	.20	.28	.34	.37
	16.3	-.52	-.53	-.55	-.56	.19	.26	.32	.36
	20.0	-.51	-.52	-.55	-.56	.17	.23	.28	.32
	25.0	-.49	-.51	-.54	-.55	.11	.18	.22	.26
	30.0	-.47	-.49	-.53	-.55	.08	.14	.17	.21
	35.0	-.45	-.48	-.52	-.54	.06	.10	.14	.17
	40.0	-.43	-.47	-.52	-.54	.03	.06	.09	.12
	45.0	-.41	-.45	-.51	-.54	0	.03	.05	.07
	55.0	-.38	-.43	-.50	-.54	-.03	-.03	-.02	-.01
	65.0	-.34	-.41	-.48	-.54	-.04	-.07	-.07	-.07
	75.0	-.31	-.39	-.47	-.53	-.05	-.10	-.12	-.13
	85.0	-.28	-.38	-.45	-.52	-.07	-.14	-.17	-.20
	90.0	-.26	-.36	-.44	-.51	-.09	-.17	-.21	-.24
0.95	0	-0.02	-0.19	-0.45	-0.56	----	----	----	----
	2.5	-.44	-.43	-.47	-.49	0.37	0.43	0.44	0.42
	5.0	-.47	-.44	-.48	-1.50	.27	.36	.40	.41
	7.5	-.45	-.44	-.47	-1.50	.21	.29	.34	.37
	10.0	-.43	-.44	-.48	-.50	.15	.24	.29	.32
	15.0	-.42	-.43	-.47	-.50	.08	.15	.20	.24
	20.8	-.41	-.42	-.47	-.50	.03	.09	.13	.16
	23.4	----	----	----	----	.03	.09	.12	.15
	24.5	-.39	-.42	-.47	-.50	----	----	----	----
	30.0	-.37	-.41	-.46	-.50	0	.03	.05	.06
	35.0	-.34	-.40	-.46	-.50	-.02	0	.01	.02
	40.0	-.32	-.39	-.45	-.50	-.04	-.03	-.03	-.02
	45.0	-.29	-.37	-.45	-.50	-.05	-.05	-.05	-.05
	55.0	-.24	-.35	-.43	-.50	-.07	-.09	-.10	-.11
	65.0	-.21	-.32	-.41	-.50	-.07	-.10	-.12	-.15
	75.0	-.18	-.30	-.39	-.49	-.07	-.11	-.15	-.18
	85.0	-.16	-.29	-.37	-.48	-.07	-.13	-.17	-.22
	90.0	----	----	----	----	-.08	-.15	-.20	-.25

A
3
0
0

TABLE V.- WING PRESSURE COEFFICIENTS; $\delta = 0^{\circ}$, $M = 0.80$, $R = 3.2\times10^{6}$

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.154	0	0.59	0.60	0.53	0.37	0.16	----	----	----	----	----
	2.3	.15	.03	-.08	-.26	-.43	-0.13	0.06	0.19	0.31	0.41
	5.0	.09	-.01	-.11	-.26	-.40	-.12	0	.10	.20	.30
	7.5	.05	-.03	-.11	-.25	-.38	----	----	----	----	----
	10.0	.05	-.03	-.11	-.23	-.35	----	----	----	----	----
	15.0	.01	-.06	-.12	-.23	-.33	-.15	-.06	.01	.09	.16
	20.0	-.01	-.08	-.16	-.25	-.35	-.14	-.06	0	.07	.14
	25.0	-.02	-.08	-.15	-.23	-.31	-.16	-.08	-.02	.04	.11
	30.0	-.02	-.08	-.14	-.22	-.33	-.18	-.11	-.04	.01	.07
	35.0	-.05	-.11	-.17	-.27	-.38	-.17	-.11	-.05	.01	.06
	40.0	-.07	-.13	-.21	-.30	-.38	-.20	-.13	-.08	-.02	.03
	45.0	-.08	-.14	-.21	-.28	-.36	-.21	-.15	-.09	-.04	.01
	55.0	-.11	-.17	-.23	-.30	-.36	-.23	-.18	-.12	-.08	-.03
	65.0	-.10	-.14	-.19	-.24	-.29	-.20	-.16	-.12	-.08	-.04
	75.0	-.08	-.12	-.15	-.19	-.23	-.17	-.14	-.11	-.08	-.04
	85.0	-.06	-.08	-.11	-.13	-.16	-.11	-.09	-.07	-.05	-.03
	95.0	-.01	-.02	-.03	-.06	-.07	-.04	-.03	-.02	-.02	-.01
0.25	0	0.52	0.52	0.38	0.18	-0.02	----	----	----	----	----
	2.3	.12	-.04	-.26	-.59	-1.00	----	----	----	----	----
	3.6	.09	-.05	-.18	-.40	-.87	----	----	----	----	----
	5.0	.08	-.03	-.16	-.36	-.82	-0.16	-0.03	-0.09	0.20	0.29
	7.5	.03	-.07	-.17	-.34	-.68	-.19	-.07	.04	.14	.23
	10.0	0	-.08	-.16	-.31	-.50	-.20	-.09	.01	.10	.19
	15.0	-.02	-.09	-.16	-.29	-.35	-.19	-.09	-.01	.07	.14
	20.0	-.03	-.09	-.16	-.27	-.32	-.18	-.10	-.02	.04	.11
	25.0	-.04	-.10	-.16	-.26	-.32	-.19	-.11	-.04	.02	.08
	30.0	-.05	-.11	-.16	-.26	-.32	-.20	-.12	-.06	0	.06
	35.0	-.08	-.12	-.19	-.28	-.33	-.21	-.14	-.08	-.03	.03
	40.0	-.09	-.15	-.21	-.30	-.37	-.22	-.16	-.10	-.05	.01
	45.0	-.10	-.16	-.23	-.30	-.38	-.23	-.17	-.12	-.07	-.02
	55.0	-.12	-.17	-.22	-.29	-.35	-.23	-.18	-.13	-.08	-.04
	65.0	-.10	-.15	-.19	-.24	-.29	-.19	-.15	-.11	-.07	-.04
	75.0	-.08	-.11	-.14	-.18	-.21	-.14	-.12	-.09	-.06	-.04
	85.0	-.04	-.07	-.09	-.11	-.13	-.08	-.07	-.05	-.04	-.02
	95.0	.01	0	0	-.02	-.03	0	0	0	0	0
0.40	0	0.48	0.51	0.41	0.16	0.04	----	----	----	----	----
	2.5	.09	-.09	-.33	-.72	-.86	-0.31	-0.06	0.13	0.28	0.39
	4.6	----	----	----	----	----	-.26	-.09	.07	.21	.31
	6.0	.03	-.09	-.21	-.48	-.72	-.24	-.10	.06	.19	.29
	7.5	.03	-.09	-.20	-.44	-.71	-.25	-.11	.03	.15	.25
	10.0	-.03	-.11	-.22	-.40	-.66	-.25	-.12	0	.11	.20
	15.0	-.05	-.12	-.22	-.36	-.60	-.24	-.13	-.03	.07	.15
	20.0	-.06	-.14	-.22	-.34	-.52	-.23	-.13	-.04	.04	.12
	25.0	-.05	-.12	-.19	-.31	-.46	-.22	-.14	-.06	.02	.09
	30.0	-.07	-.13	-.19	-.29	-.41	-.22	-.15	-.07	0	.07
	35.0	-.08	-.14	-.19	-.29	-.38	-.23	-.16	-.09	-.02	.04
	40.0	-.09	-.14	-.19	-.28	-.35	-.24	-.17	-.10	-.04	.02
	45.0	-.11	-.15	-.21	-.29	-.35	-.04	-.19	-.12	-.06	-.01
	55.0	-.12	-.17	-.22	-.28	-.33	-.22	-.17	-.12	-.07	-.02
	65.0	-.10	-.13	-.17	-.22	-.25	-.17	-.13	-.09	-.06	-.02
	75.0	-.07	-.09	-.12	-.15	-.18	-.12	-.10	-.07	-.04	-.02
	85.0	-.02	-.04	-.04	-.06	-.08	-.05	-.10	-.02	-.01	.01
	95.0	.04	.03	.03	.02	.02	.02	.03	.03	.03	.04
0.55	0	0.46	0.52	0.39	0.15	-0.07	----	----	----	----	----
	2.5	.09	-.14	-.45	-.87	-1.08	-0.46	-0.12	0.01	0.28	0.39
	5.0	.02	-.15	-.33	-.68	-1.01	-.32	-.13	.05	.19	.30
	7.4	-.01	-.14	-.28	-.57	-.97	-.32	-.15	.01	.14	.25
	9.0	-.06	-.17	-.27	-.52	-.94	-.29	-.17	-.03	.11	.22
	10.0	0	-.14	-.25	-.50	-.94	-.28	-.16	-.02	.11	.21
	15.0	-.05	-.14	-.25	-.42	-.86	-.27	-.15	-.04	.06	.15
	20.0	-.05	-.14	-.22	-.37	-.74	-.27	-.16	-.06	.03	.11
	25.0	-.05	-.14	-.21	-.34	-.55	-.25	-.16	-.07	.01	.09
	30.0	-.06	-.14	-.19	-.31	-.38	-.25	-.16	-.08	-.01	.06
	35.0	-.08	-.14	-.19	-.30	-.30	-.25	-.17	-.10	-.03	.04
	40.0	-.10	-.16	-.22	-.30	-.29	----	----	----	----	----
	45.0	-.11	-.17	-.22	-.29	-.29	-.24	-.18	-.12	-.03	0
	55.0	-.12	-.16	-.20	-.25	-.25	-.21	-.17	-.12	-.06	-.03
	65.0	-.10	-.13	-.15	-.19	-.19	-.15	-.12	-.09	-.07	-.02
	75.0	-.06	-.07	-.09	-.11	-.11	-.10	-.08	-.06	-.06	-.02
	85.0	-.02	-.02	-.03	-.04	-.04	-.03	-.08	-.01	-.04	.02
	95.0	.06	.06	.06	.04	.04	.04	.04	.04	0	.04

TABLE V.- WING PRESSURE COEFFICIENTS; $\delta = 0^{\circ}$, M = 0.80, R = 3.2×10^{6} - Continued

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.70	2.5	0.06	-0.16	-0.48	-0.85	-0.94	-0.57	-0.19	0.09	0.28	0.40
	5.0	.02	-.17	-.36	-.74	-.91	-.40	-.17	.04	.20	.31
	7.5	-.03	-.17	-.32	-.66	-.89	-.34	-.17	0	.15	.25
	10.0	-.03	-.13	-.28	-.59	-.86	----	----	----	----	----
	11.1	-.05	-.13	-.28	-.56	-.84	-.28	-.15	-.01	.11	.20
	13.0	-.09	-.17	-.27	-.51	-.82	-.31	-.19	-.06	.06	.16
	20.0	-.06	-.16	-.25	-.42	-.82	-.27	-.17	-.07	.03	.11
	25.0	-.05	-.13	-.22	-.36	-.76	-.25	-.17	-.07	.02	.09
	30.0	-.06	-.13	-.21	-.33	-.69	-.23	-.16	-.08	0	.07
	35.0	-.08	-.14	-.21	-.30	-.62	-.23	-.17	-.09	-.02	.04
	40.0	-.10	-.16	-.21	-.29	-.52	-.23	-.17	-.11	-.05	.01
	45.0	-.12	-.17	-.21	-.35	-.42	-.23	-.17	-.12	-.06	-.01
	55.0	-.12	-.16	-.19	-.23	-.25	-.19	-.16	-.12	-.08	-.04
	65.0	-.09	-.12	-.13	-.16	-.16	-.12	-.09	-.07	-.05	-.02
	75.0	-.05	-.06	-.07	-.09	-.09	-.07	-.05	-.03	-.03	-.01
	85.0	-.01	-.01	-.01	-.02	-.03	----	----	----	----	----
	90.0	.02	.02	.02	.01	0	.02	.04	.04	.03	.03
0.85	0	0.48	0.50	0.35	0.09	-0.09	----	----	----	----	----
	2.5	.05	-.20	-.57	-.92	-.80	-0.69	-0.18	0.06	0.29	0.39
	5.0	0	-.17	-.36	-.80	-.75	-.45	-.17	.04	.20	.30
	7.5	-.03	-.18	-.34	-.76	-.74	-.38	-.18	0	.14	.24
	10.0	-.05	-.17	-.31	-.68	-.70	-.33	-.18	-.01	.10	.19
	15.0	-.05	-.16	-.29	-.62	-.69	-.29	-.15	-.02	.07	.15
	16.3	-.04	-.15	-.26	-.59	-.67	-.29	-.15	-.03	.06	.14
	20.0	-.05	-.14	-.23	-.48	-.64	-.28	-.15	-.04	.03	.11
	25.0	-.06	-.13	-.20	-.36	-.61	-.25	-.15	-.06	.01	.07
	30.0	-.07	-.13	-.19	-.29	-.59	-.22	-.15	-.07	-.02	.03
	35.0	-.09	-.13	-.18	-.24	-.56	-.20	-.13	-.08	-.04	.01
	40.0	-.10	-.13	-.17	-.21	-.53	-.19	-.13	-.09	-.06	-.02
	45.0	-.11	-.12	-.17	-.20	-.50	-.20	-.14	-.11	-.08	-.04
	55.0	-.11	-.12	-.14	-.17	-.41	-.15	-.12	-.10	-.09	-.05
	65.0	-.08	-.08	-.09	-.12	-.32	-.11	-.07	-.06	-.06	-.05
	75.0	-.03	-.03	-.04	-.06	-.23	-.07	-.03	-.02	-.03	-.04
	85.0	.01	.02	.02	-.01	-.16	.01	.02	.02	0	-.01
	90.0	.04	.05	.04	.02	-.12	.05	.05	.05	.03	-.01
0.95	0	0.47	0.50	0.41	0.23	0.13	----	----	----	----	----
	2.5	.01	-.23	-.62	-.80	-.61	-0.73	-0.25	0.05	0.25	0.33
	5.0	-.05	-.22	-.42	-.73	-.61	-.54	-.23	-.01	.14	.23
	7.5	-.08	-.23	-.36	-.68	-.58	-.39	-.22	-.04	.08	.15
	10.0	-.09	-.22	-.35	-.70	-.54	-.35	-.22	-.08	.02	.10
	15.0	-.10	-.18	-.25	-.63	-.52	-.25	-.19	-.11	-.04	.02
	20.8	-.10	-.14	-.18	-.51	-.49	-.17	-.15	-.10	-.07	-.03
	23.4	----	----	----	----	----	-.14	-.15	-.11	-.08	-.03
	24.5	-.09	-.12	-.15	-.41	-.45	----	----	----	----	----
	30.0	-.08	-.09	-.13	-.30	-.43	-.13	-.10	-.09	-.07	-.05
	35.0	-.07	-.08	-.13	-.24	-.40	-.13	-.10	-.08	-.08	-.07
	40.0	-.08	-.09	-.13	-.20	-.36	-.13	-.10	-.09	-.09	-.08
	45.0	-.08	-.10	-.13	-.18	-.33	-.13	-.10	-.08	-.09	-.09
	55.0	-.08	-.09	-.11	-.16	-.28	-.11	-.09	-.08	-.09	-.09
	65.0	-.05	-.05	-.07	-.13	-.23	-.06	-.04	-.05	-.06	-.07
	75.0	-.01	-.01	-.02	-.10	-.20	-.02	-.01	-.01	-.02	-.05
	85.0	.02	.03	.04	-.07	-.17	.02	.04	.03	.01	-.04
	90.0	----	----	----	----	----	.04	.06	.05	.02	-.05

TABLE V.- WING PRESSURE COEFFICIENTS; $\delta = 0^{\circ}$, $M = 0.80$, $R = 3.2\times10^{6}$ - Continued

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}, 20^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16	20	8	12	16	20
0.154	0	-0.06	-0.40	-0.72	-0.89	----	----	----	----
	2.3	-.60	-1.51	-1.77	-1.21	0.51	0.65	0.73	0.76
	5.0	-.54	-1.00	-1.65	-1.14	.40	.53	.63	.67
	7.5	-.54	-.81	-1.44	-1.07	----	----	----	----
	10.0	-.46	-.72	-1.00	-1.00	----	----	----	----
	15.0	-.45	-.69	-.81	-.93	.25	.37	.47	.54
	20.0	-.43	-.63	-.50	-.88	.22	.33	.43	.51
	25.0	-.41	-.59	-.55	-.84	.18	.30	.40	.48
	30.0	-.43	-.54	-.65	-.77	.15	.26	.36	.44
	35.0	-.46	-.51	-.64	-.72	.14	.24	.33	.41
	40.0	-.44	-.45	-.59	-.70	.10	.20	.30	.38
	45.0	-.41	-.42	-.55	-.66	.08	.17	.26	.34
	55.0	-.40	-.46	-.56	-.65	.03	.12	.20	.27
	65.0	-.31	-.44	-.44	-.60	.02	.07	.15	.20
	75.0	-.23	-.35	-.43	-.62	0	.05	.10	.14
	85.0	-.16	-.26	-.40	-.61	.01	.03	.06	.08
	95.0	-.07	-.16	-.28	-.60	.01	-.01	-.02	-.06
0.25	0	-0.24	-0.65	-1.02	-0.92	----	----	----	----
	2.3	-1.21	-1.54	-1.51	-.86	----	----	----	----
	3.6	-1.16	-1.50	-1.52	-.92	----	----	----	----
	5.0	-1.14	-1.51	-1.50	-.92	0.39	0.52	0.62	0.70
	7.5	-1.10	-1.51	-1.52	-.92	.32	.46	.57	.65
	10.0	-1.01	-1.48	-1.52	-.92	.28	.41	.53	.61
	15.0	-.62	-1.42	-1.47	-.94	.23	.35	.46	.55
	20.0	-.32	-1.06	-1.37	-.92	.19	.31	.42	.50
	25.0	-.37	-.34	-1.08	-.90	.16	.27	.37	.46
	30.0	-.38	-.33	-.95	-.87	.13	.24	.33	.42
	35.0	-.40	-.33	-.89	-.86	.10	.20	.30	.37
	40.0	-.42	-.35	-.84	-.84	.08	.17	.26	.33
	45.0	-.42	-.44	-.75	-.82	.05	.14	.22	.29
	55.0	-.38	-.52	-.62	-.78	.02	.09	.16	.22
	65.0	-.30	-.45	-.56	-.75	.02	.07	.12	.17
	75.0	-.22	-.37	-.50	-.73	.01	.04	.08	.11
	85.0	-.14	-.26	-.44	-.72	.02	.01	.02	.02
	95.0	-.03	-.14	-.33	-.67	.02	-.03	-.08	-.15
0.40	0	-0.29	-0.76	-1.02	-0.84	----	----	----	----
	2.5	-1.06	-1.28	-.99	-.78	0.47	0.57	0.62	0.65
	4.6	----	----	----	----	.40	.52	.59	.64
	6.0	-.97	-1.23	-1.02	-.80	.37	.49	.57	.62
	7.5	-.98	-1.23	-1.02	-.79	.33	.45	.54	.60
	10.0	-.97	-1.23	-1.03	-.79	.28	.41	.50	.57
	15.0	-.94	-1.23	-1.02	-.79	.22	.34	.43	.51
	20.0	-.91	-1.20	-1.00	-.79	.18	.22	.39	.46
	25.0	-.83	-1.14	-.97	-.78	.15	.26	.34	.42
	30.0	-.71	-1.06	-.94	-.78	.13	.22	.30	.38
	35.0	-.58	-1.00	-.92	-.77	.09	.19	.26	.33
	40.0	-.43	-.87	-.88	-.76	.07	.15	.23	.29
	45.0	-.36	-.78	-.84	-.76	.04	.11	.18	.25
	55.0	-.29	-.72	-.78	-.77	.01	.07	.12	.17
	65.0	-.22	-.58	-.72	-.75	.01	.05	.08	.12
	75.0	-.16	-.47	-.67	-.74	.01	.01	.02	.04
	85.0	-.08	-.34	-.64	-.73	.02	-.01	-.05	-.05
	95.0	.01	-.20	-.59	-.72	.04	-.06	-.21	-.26
0.55	0	-0.28	-0.56	-0.86	-0.78	----	----	----	----
	2.5	-1.10	-.83	-.79	-.71	0.46	0.54	0.58	0.59
	5.0	-1.09	-.84	-.80	-.73	.38	.48	.55	.59
	7.4	-1.08	-.86	-.80	-.73	.32	.44	.52	.56
	9.0	-1.08	-.86	-.80	-.71	.29	.40	.48	.54
	10.0	-1.08	-.87	-.80	-.72	.28	.39	.47	.53
	15.0	-1.05	-.86	-.78	-.71	.28	.33	.41	.47
	20.0	-.99	-.86	-.77	-.71	.18	.27	.35	.42
	25.0	-.91	-.83	-.75	-.71	.14	.24	.32	.37
	30.0	-.83	-.81	-.75	-.71	.12	.20	.27	.33
	35.0	-.74	-.81	-.72	-.71	.09	.17	.23	.29
	40.0	-.68	-.77	-.72	-.73	----	----	----	----
	45.0	-.57	-.76	-.71	-.73	.04	.10	.16	.21
	55.0	-.36	-.73	-.69	-.72	.01	.05	.09	.12
	65.0	-.22	-.67	-.67	-.72	0	.01	.03	.06
	75.0	-.14	-.61	-.65	-.71	0	-.02	-.04	-.02
	85.0	-.07	-.55	-.62	-.70	-.01	-.06	-.11	-.11
	95.0	0	-.50	-.61	-.68	.02	-.19	-.29	-.32

TABLE V.- WING PRESSURE COEFFICIENTS; $\delta = 0^{\circ}$, M = 0.80, R = 3.2×10^{6} - Concluded

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}, 20^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16	20	8	12	16	20
0.70	2.5	-0.90	-0.67	-0.65	-0.66	0.47	0.53	0.55	0.53
	5.0	-.88	-.68	-.66	-.68	.38	.46	.52	.55
	7.5	-.88	-.69	-.67	-.68	.33	.42	.48	.52
	10.0	-.85	-.70	-.66	-.68	----	----	----	----
	11.1	-.85	-.70	-.66	-.68	.27	.36	.43	.48
	13.0	-.83	-.70	-.66	-.68	.23	.32	.40	.45
	20.0	-.82	-.70	-.66	-.70	.17	.26	.32	.38
	25.0	-.80	-.69	-.65	-.70	.14	.22	.28	.34
	30.0	-.78	-.68	-.64	-.70	.12	.19	.24	.30
	35.0	-.77	-.67	-.63	-.70	.08	.14	.20	.25
	40.0	-.75	-.65	-.63	-.70	.05	.11	.15	.20
	45.0	-.72	-.63	-.62	-.69	.03	.07	.11	.15
	55.0	-.63	-.60	-.59	-.69	-.01	.01	.03	.07
	65.0	-.53	-.57	-.60	-.68	-.02	-.04	-.02	.01
	75.0	-.42	-.54	-.58	-.67	-.02	-.09	-.10	-.07
	85.0	-.32	-.51	-.57	-.66	----	----	----	----
	90.0	-.26	-.49	-.56	-.65	-.03	-.20	-.23	-.23
0.85	0	-0.24	-0.48	-0.65	-0.65	----	----	----	----
	2.5	-.68	-.57	-.56	-.62	0.44	0.49	0.50	0.50
	5.0	-.66	-.56	-.56	-.61	.36	.43	.48	.50
	7.5	-.65	-.56	-.56	-.62	.30	.37	.43	.47
	10.0	-.64	-.56	-.56	-.62	.26	.33	.39	.44
	15.0	-.61	-.58	-.58	-.63	.21	.28	.34	.39
	16.3	-.60	-.57	-.58	-.63	.20	.26	.32	.37
	20.0	-.59	-.55	-.57	-.63	.17	.23	.28	.33
	25.0	-.57	-.54	-.57	-.63	.11	.16	.24	.28
	30.0	-.55	-.53	-.56	-.63	.07	.12	.17	.22
	35.0	-.52	-.52	-.56	-.62	.04	.08	.12	.18
	40.0	-.49	-.52	-.55	-.62	.01	.03	.08	.12
	45.0	-.47	-.51	-.55	-.62	-.02	-.01	.02	.07
	55.0	-.43	-.49	-.54	-.61	-.06	-.08	-.06	-.02
	65.0	-.39	-.47	-.53	-.61	-.07	-.12	-.12	-.10
	75.0	-.35	-.45	-.52	-.60	-.08	-.16	-.17	-.16
	85.0	-.32	-.44	-.51	-.60	-.10	-.20	-.23	-.24
	90.0	-.30	-.43	-.50	-.58	-.12	-.23	-.27	-.29
0.95	0	0.02	-0.19	-0.42	-0.63	----	----	----	----
	2.5	-.51	-.47	-.51	-.57	0.39	0.43	0.44	0.42
	5.0	-.52	-.48	-.51	-.57	.29	.35	.39	.41
	7.5	-.51	-.48	-.51	-.57	.22	.29	.34	.38
	10.0	-.48	-.48	-.52	-.58	.17	.23	.29	.33
	15.0	-.46	-.47	-.52	-.58	.08	.14	.19	.25
	20.8	-.44	-.46	-.52	-.58	.02	.06	.11	.16
	23.4	----	----	----	----	.01	.05	.09	.12
	24.5	-.43	-.46	-.52	-.58	----	----	----	----
	30.0	-.41	-.46	-.52	-.58	-.02	-.01	0	.04
	35.0	-.40	-.44	-.52	-.58	-.05	-.05	-.03	-.01
	40.0	-.38	-.44	-.52	-.59	-.07	-.09	-.08	-.05
	45.0	-.37	-.43	-.52	-.59	-.09	-.11	-.11	-.10
	55.0	-.32	-.41	-.51	-.59	-.11	-.15	-.16	-.16
	65.0	-.30	-.39	-.50	-.58	-.11	-.17	-.21	-.21
	75.0	-.27	-.38	-.49	-.58	-.11	-.18	-.23	-.25
	85.0	-.25	-.36	-.47	-.58	-.12	-.20	-.27	-.30
	90.0	----	----	----	----	-.13	-.22	-.29	-.34

TABLE VI.- WING PRESSURE COEFFICIENTS; $\delta = 0^{\circ}$, $M = 0.90$, $R = 3.2\times10^{6}$

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		-2	0	2	4	-2	0	2	4
0.154	0	0.64	0.65	0.60	0.49	----	----	----	----
	2.3	----	.08	-.03	-.17	-0.08	0.10	0.23	0.34
	5.0	.11	.02	-.08	-.20	-.07	.03	.14	.23
	7.5	.07	0	-.09	-.20	----	----	----	----
	10.0	.06	0	-.09	-.18	----	----	----	----
	15.0	.03	-.02	-.10	-.19	-.12	-.03	.04	.12
	20.0	.01	-.06	-.12	-.20	-.11	-.04	.04	.10
	25.0	.01	-.06	-.11	-.18	-.13	-.06	.01	.07
	30.0	0	-.06	-.11	-.22	-.17	-.10	-.02	.03
	35.0	-.03	-.10	-.17	-.25	-.18	-.10	-.02	.03
	40.0	-.07	-.14	-.22	-.29	-.20	-.13	-.03	0
	45.0	-.07	-.15	-.21	-.29	-.23	-.16	-.08	-.02
	55.0	-.12	-.20	-.26	-.35	-.28	-.21	-.13	-.07
	65.0	-.11	-.17	-.23	-.32	-.26	-.20	-.12	-.08
	75.0	-.09	-.13	-.17	-.24	-.22	-.17	-.12	-.08
	85.0	-.07	-.10	-.12	-.15	-.13	-.11	-.07	-.05
	95.0	-.02	-.03	-.05	-.05	-.05	-.04	-.02	-.01
0.25	0	0.64	0.55	0.46	0.11	----	----	----	----
	2.3	.13	-.01	-.23	-.56	----	----	----	----
	3.6	.11	-.02	.16	-.36	----	----	----	----
	5.0	.09	0	.13	-.28	-0.13	-0.01	0.12	0.22
	7.5	.04	-.04	-.15	-.30	-.17	-.05	.07	.16
	10.0	.02	-.06	-.15	-.29	-.17	-.06	.04	.13
	15.0	0	-.07	-.15	-.25	-.17	-.07	.02	.09
	20.0	-.02	-.08	-.15	-.25	-.17	-.09	0	.07
	25.0	-.04	-.08	-.15	-.23	-.18	-.10	-.02	.04
	30.0	-.04	-.10	-.15	-.25	-.20	-.12	-.04	.02
	35.0	-.07	-.13	-.19	-.28	-.22	-.15	-.07	-.01
	40.0	-.08	-.15	-.22	-.31	-.24	-.17	-.09	-.03
	45.0	-.11	-.18	-.25	-.34	-.28	-.20	-.12	-.06
	55.0	-.13	-.20	-.27	-.37	-.29	-.22	-.14	-.08
	65.0	-.12	-.18	-.24	-.33	-.25	-.18	-.12	-.07
	75.0	-.10	-.14	-.17	-.22	-.18	-.17	-.10	-.06
	85.0	-.05	-.08	-.09	-.12	-.10	-.08	-.05	-.03
	95.0	.01	.01	.01	-.01	0	0	.01	0
0.40	0	0.51	0.54	0.45	0.29	----	----	----	----
	2.5	.10	-.08	-.35	-.77	-0.32	-0.04	0.15	0.28
	4.6	----	----	----	----	-.25	-.07	.09	.21
	6.0	.04	-.09	-.21	-.41	-.22	-.08	.07	.19
	7.5	.03	-.08	-.19	-.37	-.24	-.10	.05	.15
	10.0	-.01	-.10	-.24	-.37	-.25	-.11	.01	.11
	15.0	-.04	-.11	-.21	-.34	-.25	-.12	-.02	.07
	20.0	-.06	-.14	-.25	-.35	-.24	-.13	-.04	.04
	25.0	-.05	-.12	-.21	-.34	-.24	-.15	-.06	.02
	30.0	-.07	-.13	-.20	-.33	-.26	-.16	-.08	0
	35.0	-.09	-.15	-.23	-.34	-.28	-.19	-.10	-.03
	40.0	-.11	-.16	-.24	-.35	-.30	-.21	-.13	-.06
	45.0	-.13	-.19	-.27	-.38	-.32	-.23	-.15	-.08
	55.0	-.14	-.21	-.28	-.40	-.29	-.22	-.15	-.09
	65.0	-.12	-.17	-.21	-.29	-.20	-.16	-.11	-.07
	75.0	-.08	-.11	-.13	-.14	-.14	-.11	-.08	-.06
	85.0	-.02	-.03	-.04	-.05	-.05	-.04	-.03	-.02
	95.0	.05	.05	.05	.04	.04	.04	.04	.04
0.55	0	0.48	0.53	0.43	0.26	----	----	----	----
	2.5	.07	-.14	-.49	-.95	-0.45	-0.11	0.12	0.27
	5.0	.02	-.15	-.38	-.82	-.34	-.13	.05	.18
	7.4	-.01	-.15	-.31	-.51	-.32	-.15	.01	.14
	9.0	-.04	-.18	-.28	-.47	-.33	-.18	-.02	.10
	10.0	-.01	-.15	-.25	-.46	-.31	-.16	-.01	.10
	15.0	-.06	-.15	-.27	-.43	-.31	-.16	-.04	.06
	20.0	-.07	-.15	-.26	-.40	-.29	-.18	-.07	.02
	25.0	-.07	-.15	-.26	-.37	-.30	-.19	-.08	0
	30.0	-.08	-.15	-.24	-.37	-.31	-.19	-.10	-.02
	35.0	-.10	-.17	-.24	-.37	-.32	-.21	-.12	-.04
	40.0	-.11	-.19	-.29	-.42	----	----	----	----
	45.0	-.13	-.21	-.30	-.44	-.34	-.22	-.14	-.08
	55.0	-.14	-.20	-.27	-.36	-.25	-.20	-.14	-.09
	65.0	-.12	-.15	-.18	-.18	-.17	-.20	-.11	-.07
	75.0	-.07	-.08	-.09	-.09	-.09	-.08	-.07	-.05
	85.0	-.01	-.01	-.01	-.02	-.02	-.01	0	0
	95.0	.06	.06	.07	.06	.06	.06	.06	.05

TABLE VI.- WING PRESSURE COEFFICIENTS; $\delta = 0^{\circ}$, M = 0.90, R = 3.2×10^{6} - Continued

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		-2	0	2	4	-2	0	2	4
0.70	2.5	0.06	-0.17	-0.58	-0.99	-0.62	-0.20	0.10	0.27
	5.0	.01	-.18	-.49	-.98	-.56	-.18	.04	.18
	7.5	-.03	-.18	-.38	-.90	-.36	-.18	0	.13
	10.0	-.04	-.18	-.32	-.85	----	----	----	----
	11.1	-.06	-.18	-.32	-.70	-.30	-.17	-.01	.10
	13.0	-.08	-.19	-.31	-.46	-.35	-.22	-.06	.05
	20.0	-.07	-.19	-.33	-.46	-.36	-.20	-.08	.02
	25.0	-.06	-.16	-.28	-.44	-.34	-.19	-.08	0
	30.0	-.07	-.16	-.27	-.42	-.32	-.19	-.09	-.01
	35.0	-.09	-.17	-.28	-.43	-.29	-.20	-.11	-.04
	40.0	-.12	-.19	-.29	-.45	-.28	-.21	-.13	-.06
	45.0	-.14	-.20	-.27	-.39	-.29	-.22	-.15	-.09
	55.0	-.15	-.19	-.22	-.20	-.22	-.19	-.15	-.10
	65.0	-.11	-.13	-.13	-.13	-.12	-.11	-.09	-.08
	75.0	-.05	-.06	-.06	-.06	-.06	-.06	-.05	-.05
	85.0	0	.01	.01	0	----	----	----	----
	90.0	.04	.05	.04	.04	.04	.04	.04	.03
0.85	0	0.48	0.52	0.37	0.18	----	----	----	----
	2.5	.05	-.22	-.67	-1.02	-0.82	-0.24	0.09	0.26
	5.0	0	-.20	-.62	-.98	-.76	-.22	.04	.18
	7.5	-.04	-.22	-.48	-.96	-.55	-.24	-.02	.12
	10.0	-.06	-.21	-.38	-.88	-.40	-.22	-.03	.09
	15.0	-.06	-.21	-.37	-1.00	-.34	-.20	-.05	.06
	16.3	-.06	-.20	-.34	-.96	-.34	-.20	-.05	.05
	20.0	-.07	-.19	-.31	-.52	-.31	-.19	-.07	.02
	25.0	-.08	-.18	-.28	-.41	-.31	-.21	-.10	-.02
	30.0	-.09	-.18	-.26	-.32	-.30	-.21	-.11	-.04
	35.0	-.12	-.19	-.23	-.24	-.27	-.21	-.13	-.07
	40.0	-.15	-.19	-.19	-.20	-.21	-.20	-.15	-.11
	45.0	-.15	-.17	-.18	-.19	-.18	-.17	-.15	-.13
	55.0	-.13	-.14	-.15	-.15	-.15	-.14	-.12	-.12
	65.0	-.09	-.09	-.10	-.10	-.09	-.08	-.08	-.08
	75.0	-.03	-.03	-.04	-.04	-.03	-.03	-.03	-.03
	85.0	.03	.03	.03	.01	.03	.03	.03	.02
	90.0	.05	.06	.06	.04	.07	.07	.06	.05
0.95	0	0.46	0.52	0.43	0.28	----	----	----	----
	2.5	.02	-.26	-.77	-1.04	-0.84	-0.29	-0.06	0.23
	5.0	-.05	-.24	-.73	-1.03	-.81	-.27	-.01	.13
	7.5	-.09	-.25	-.64	-.98	-.69	-.27	-.06	.07
	10.0	-.10	-.28	-.46	-.87	-.47	-.28	-.10	.01
	15.0	-.16	-.29	-.36	-.74	-.40	-.31	-.17	-.08
	20.8	-.19	-.23	-.19	-.61	-.20	-.26	-.21	-.17
	23.4	----	----	----	----	-.14	-.23	-.17	-.16
	24.5	-.15	-.18	-.14	-.52	----	----	----	----
	30.0	-.10	-.08	-.11	-.40	-.12	-.08	-.09	-.14
	35.0	-.09	-.10	-.12	-.31	-.13	-.11	-.10	-.13
	40.0	-.10	-.11	-.13	-.23	-.14	-.12	-.11	-.12
	45.0	-.11	-.12	-.14	-.18	-.14	-.12	-.10	-.11
	55.0	-.09	-.10	-.11	-.15	-.12	-.10	-.09	-.09
	65.0	-.06	-.05	-.07	-.13	-.07	-.05	-.05	-.06
	75.0	-.01	-.01	-.02	-.10	-.02	0	-.01	-.01
	85.0	.03	.04	.03	-.06	.03	.07	.04	.02
	90.0	----	----	----	----	.06	.06	.06	.04

TABLE VI.- WING PRESSURE COEFFICIENTS; $\delta = 0^{\circ}$, M = 0.90, R = 3.2×10^{6} - Continued

(b) $\alpha_u = 6^{\circ}, 8^{\circ}, 10^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		6	8	10		6	8	10	
0.154	0	0.32	0.18	0.04		----	----	----	
	2.3	-.32	-.50	-.96		0.44	0.53	0.60	
	5.0	-.33	-.40	-.50		.34	.44	.49	
	7.5	-.33	-.42	-.51		----	----	----	
	10.0	-.28	-.38	-.47		----	----	----	
	15.0	-.27	-.37	-.49		.20	.27	.34	
	20.0	-.28	-.39	-.49		.17	.24	.29	
	25.0	-.29	-.39	-.47		.14	.20	.26	
	30.0	-.31	-.38	-.47		.10	.16	.22	
	35.0	-.34	-.40	-.46		.09	.15	.20	
	40.0	-.35	-.40	-.47		.03	.11	.16	
	45.0	-.36	-.43	-.50		.03	.08	.13	
	55.0	-.41	-.48	-.57		-.01	.03	.07	
	65.0	-.41	-.49	-.55		-.02	.01	.04	
	75.0	-.36	-.43	-.48		-.03	-.01	.02	
	85.0	-.20	-.26	-.26		-.01	0	.01	
	95.0	-.05	-.09	-.14		0	0	-.02	
0.25	0	0.15	0.01	-0.14		----	----	----	
	2.3	-.91	-1.02	-1.14		----	----	----	
	3.6	-.73	-.95	-1.10		----	----	----	
	5.0	-.66	-.91	-1.09		0.31	0.39	0.46	
	7.5	-.58	-.85	-1.05		.26	.33	.39	
	10.0	-.45	-.77	-1.00		.22	.29	.35	
	15.0	-.35	-.58	-.92		.18	.24	.30	
	20.0	-.32	-.37	-.62		.14	.20	.26	
	25.0	-.30	-.33	-.31		.11	.17	.22	
	30.0	-.32	-.35	-.38		.09	.14	.19	
	35.0	-.35	-.38	-.44		.03	.11	.15	
	40.0	-.38	-.42	-.48		.03	.08	.12	
	45.0	-.41	-.45	-.51		0	.05	.09	
	55.0	-.45	-.53	-.59		-.02	.02	.05	
	65.0	-.45	-.54	-.58		-.02	.01	.03	
	75.0	-.33	-.41	-.42		-.02	0	.01	
	85.0	-.16	-.21	-.25		-.01	0	-.01	
	95.0	-.03	-.07	-.14		.01	-.01	-.04	
0.40	0	0.12	-0.05	-0.23		----	----	----	
	2.5	-.86	-.94	-1.07		0.38	0.46	0.52	
	4.6	----	----	----		.31	.39	.45	
	6.0	-.70	-.83	-.99		.28	.36	.42	
	7.5	-.66	-.81	-.99		.24	.32	.38	
	10.0	-.62	-.79	-.99		.20	.28	.34	
	15.0	-.53	-.74	-.97		.15	.22	.28	
	20.0	-.50	-.72	-.97		.12	.18	.24	
	25.0	-.48	-.71	-.96		.09	.15	.20	
	30.0	-.46	-.67	-.93		.06	.12	.17	
	35.0	-.46	-.65	-.89		.03	.09	.13	
	40.0	-.46	-.61	-.81		.01	.06	.10	
	45.0	-.49	-.61	-.71		-.02	.03	.07	
	55.0	-.53	-.62	-.53		-.04	0	.03	
	65.0	-.45	-.49	-.34		-.04	-.01	.01	
	75.0	-.17	-.25	-.26		-.04	-.02	-.02	
	85.0	-.06	-.13	-.24		-.01	-.01	-.03	
	95.0	.02	-.04	-.14		.02	-.01	-.05	
0.55	0	0.09	-0.06	-0.22		----	----	----	
	2.5	-1.15	-1.23	-1.15		0.37	0.45	0.50	
	5.0	-1.10	-1.16	-1.13		.28	.36	.42	
	7.4	-.94	-1.07	-1.10		.23	.31	.37	
	9.0	-.86	-1.03	-1.09		.20	.28	.34	
	10.0	-.82	-1.01	-1.08		.20	.27	.33	
	15.0	-.70	-.96	-1.07		.14	.21	.26	
	20.0	-.63	-.91	-1.04		.10	.17	.22	
	25.0	-.59	-.86	-1.02		.07	.13	.18	
	30.0	-.54	-.81	-.97		.05	.10	.15	
	35.0	-.53	-.75	-.92		.02	.07	.11	
	40.0	-.56	-.73	-.92		----	----	----	
	45.0	-.58	-.67	-.84		-.02	.02	.06	
	55.0	-.55	-.56	-.72		-.05	-.01	.01	
	65.0	-.23	-.35	-.65		-.05	-.02	-.02	
	75.0	-.12	-.24	-.58		-.04	-.03	-.05	
	85.0	-.05	-.15	-.50		-.01	-.02	-.06	
	95.0	.03	-.05	-.41		.03	-.02	-.14	

TABLE VI.- WING PRESSURE COEFFICIENTS; $\delta = 0^{\circ}$, $M = 0.90$, $R = 3.2 \times 10^{6}$ - Concluded

(b) $\alpha_u = 6^{\circ}, 8^{\circ}, 10^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface α_u, deg				Lower surface α_u, deg			
		6	8	10		6	8	10	
0.70	2.5	-1.24	-1.12	-0.87		0.35	0.44	0.49	
	5.0	-1.22	-1.10	-.87		.28	.36	.41	
	7.5	-1.19	-1.08	-.86		.23	.31	.36	
	10.0	-1.14	-1.04	-.85		----	----	----	
	11.1	-1.11	-1.03	-.83		.19	.20	.31	
	13.0	-1.03	-.99	-.83		.14	.22	.27	
	20.0	-.91	-.94	-.80		.10	.16	.21	
	25.0	-.59	-.86	-.78		.07	.13	.17	
	30.0	-.53	-.82	-.76		.05	.10	.14	
	35.0	-.49	-.78	-.72		.02	.04	.10	
	40.0	-.48	-.74	-.69		-.01	.04	.06	
	45.0	-.48	-.70	-.67		-.04	.01	-.03	
	55.0	-.30	-.62	-.62		-.07	-.04	-.03	
	65.0	-.20	-.54	-.59		-.06	-.05	-.06	
	75.0	-.12	-.45	-.55		-.05	-.07	-.10	
	85.0	-.04	-.36	-.52		----	----	----	
	90.0	0	-.31	-.50		.01	-.08	-.18	
0.85	0	-0.02	-0.16	-0.28		----	----	----	
	2.5	-1.06	-.81	-.65		0.36	0.42	0.46	
	5.0	-1.05	-.80	-.64		.28	.35	.39	
	7.5	-1.04	-.79	-.63		.22	.28	.33	
	10.0	-.98	-.79	-.64		.18	.24	.28	
	15.0	-.99	-.75	-.62		.14	.19	.23	
	16.3	-.97	-.74	-.61		.13	.18	.22	
	20.0	-.92	-.73	-.61		.10	.15	.19	
	25.0	-.85	-.71	-.60		.05	.09	.13	
	30.0	-.78	-.68	-.59		.02	.06	.09	
	35.0	-.71	-.65	-.58		-.02	.02	.04	
	40.0	-.65	-.62	-.57		-.06	-.02	0	
	45.0	-.59	-.59	-.56		-.09	-.07	-.05	
	55.0	-.46	-.53	-.54		-.12	-.12	-.12	
	65.0	-.33	-.47	-.51		-.09	-.12	-.16	
	75.0	-.21	-.42	-.49		-.05	-.13	-.19	
	85.0	-.11	-.37	-.46		-.01	-.13	-.22	
	90.0	-.07	-.35	-.45		.01	-.15	-.25	
0.95	0	0.12	0.03	-0.06		----	----	----	
	2.5	-.81	-.63	-.53		0.32	0.38	0.41	
	5.0	-1.06	-.61	-.54		.22	.28	.32	
	7.5	-1.06	-.61	-.54		.15	.21	.25	
	10.0	-.78	-.58	-.53		.09	.15	.19	
	15.0	-.76	-.57	-.52		0	.06	.10	
	20.8	-.73	-.56	-.51		-.09	-.03	.01	
	23.4	----	----	----		-.09	-.03	.01	
	24.5	-.69	-.55	-.51		----	----	----	
	30.0	-.63	-.54	-.51		-.13	-.09	-.07	
	35.0	-.58	-.52	-.50		-.14	-.12	-.11	
	40.0	-.52	-.51	-.49		-.15	-.14	-.15	
	45.0	-.47	-.49	-.48		-.14	-.15	-.17	
	55.0	-.38	-.45	-.47		-.12	-.17	-.21	
	65.0	-.32	-.41	-.45		-.09	-.16	-.23	
	75.0	-.28	-.38	-.42		-.05	-.15	-.23	
	85.0	-.25	-.35	-.40		-.03	-.15	-.24	
	90.0	----	----	----		-.04	-.16	-.26	

A
3
0
0

A
3
0
0

TABLE VII.- WING PRESSURE COEFFICIENTS; $\delta = 4^{\circ}$, M = 0.25, R = 15.0×10^{6}

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.154	0	0.33	0.52	0.49	0.26	0.20	----	----	----	----	----
	2.3	.15	.02	-.15	-.31	-.49	-0.13	0.02	0.17	0.29	0.39
	5.0	.06	-.03	-.15	-.28	-.38	-.15	-.03	.09	.19	.29
	7.5	.04	-.05	-.15	-.25	-.34	----	----	----	----	----
	10.0	.04	-.04	-.13	-.21	-.31	----	----	----	----	----
	15.0	0	-.06	-.13	-.22	-.31	-.15	-.07	.01	.08	.15
	20.0	0	-.06	-.13	-.20	-.29	-.14	-.07	0	.06	.13
	25.0	0	-.06	-.12	-.20	-.28	-.15	-.08	-.02	.04	.10
	30.0	0	-.07	-.13	-.20	-.26	-.15	-.10	-.04	.02	.08
	35.0	-.03	-.10	-.16	-.22	-.27	-.15	-.10	-.04	.01	.06
	40.0	-.06	-.11	-.17	-.22	-.26	-.16	-.11	-.06	-.01	.04
	45.0	-.07	-.12	-.16	-.21	-.26	-.16	-.12	-.07	-.02	.02
	55.0	-.09	-.13	-.16	-.20	-.23	-.16	-.13	-.09	-.05	-.01
	65.0	-.07	-.10	-.13	-.16	-.18	-.14	-.11	-.08	-.05	-.02
	75.0	-.08	-.11	-.13	-.16	-.18	-.12	-.10	-.07	-.04	-.02
	85.0	-.03	-.05	-.06	-.08	-.09	-.07	-.05	-.04	-.02	0
	95.0	.01	0	-.01	-.01	-.02	-.02	-.01	0	.01	.02
0.25	0	.28	.48	.42	.10	-.61	----	----	----	----	----
	2.3	.10	-.09	-.32	-.61	-.89	----	----	----	----	----
	3.6	.10	-.04	-.21	-.41	-.62	----	----	----	----	----
	5.0	.06	-.04	-.19	-.35	-.52	-.18	-.04	.08	.20	.29
	7.5	.03	-.06	-.18	-.31	-.45	-.20	-.08	.04	.14	.23
	10.0	.01	-.07	-.18	-.29	-.40	-.19	-.09	.02	.11	.19
	15.0	-.01	-.08	-.16	-.26	-.34	-.17	-.09	0	.07	.15
	20.0	-.03	-.08	-.15	-.22	-.29	-.16	-.09	-.02	.05	.12
	25.0	-.03	-.08	-.15	-.21	-.27	-.16	-.10	-.03	.03	.09
	30.0	-.05	-.09	-.15	-.21	-.25	-.16	-.10	-.05	.01	.07
	35.0	-.06	-.10	-.15	-.21	-.25	-.17	-.12	-.06	-.01	.04
	40.0	-.06	-.10	-.15	-.20	-.24	-.17	-.12	-.07	-.02	.03
	45.0	-.07	-.12	-.16	-.20	-.24	-.17	-.13	-.08	-.04	.01
	55.0	-.08	-.12	-.15	-.19	-.22	-.16	-.12	-.09	-.05	-.01
	65.0	-.07	-.10	-.13	-.15	-.18	-.13	-.10	-.07	-.04	-.01
	75.0	-.05	-.07	-.09	-.11	-.14	-.10	-.08	-.05	-.03	-.01
	85.0	-.03	-.04	-.05	-.07	-.09	-.05	-.04	-.02	-.01	.01
	95.0	.02	.01	.01	0	-.01	.01	.01	.01	.02	.02
0.40	0	.15	.46	.44	.11	-.61	----	----	----	----	----
	2.5	.16	-.02	-.25	-.54	-.89	-.32	-.09	.08	.24	.37
	4.6	----	----	----	----	----	-.10	-.02	.10	.24	.34
	6.0	.04	-.09	-.26	-.44	-.63	-.18	-.04	.07	.19	.29
	7.5	.03	-.08	-.22	-.38	-.54	-.21	-.08	.04	.15	.25
	10.0	0	-.09	-.22	-.35	-.48	-.21	-.10	.01	.11	.20
	15.0	-.03	-.10	-.20	-.30	-.40	-.20	-.10	-.01	.07	.15
	20.0	-.05	-.11	-.18	-.27	-.36	-.18	-.10	-.02	.05	.12
	25.0	-.04	-.09	-.16	-.24	-.30	-.17	-.10	-.03	.04	.10
	30.0	-.05	-.09	-.15	-.22	-.27	-.15	-.09	-.02	.03	.09
	35.0	-.06	-.10	-.16	-.21	-.26	-.17	-.12	-.06	-.01	.05
	40.0	-.06	-.11	-.15	-.21	-.25	-.16	-.11	-.06	-.01	.04
	45.0	-.08	-.11	-.16	-.21	-.24	-.17	-.13	-.08	-.03	.01
	55.0	-.08	-.12	-.15	-.19	-.22	-.15	-.11	-.08	-.04	0
	65.0	-.06	-.09	-.12	-.14	-.17	-.11	-.09	-.06	-.03	0
	75.0	-.04	-.06	-.08	-.10	-.12	-.08	-.06	-.04	-.02	.01
	85.0	-.01	-.02	-.03	-.04	-.05	-.03	-.02	0	.01	.03
	95.0	.04	.03	.03	.02	.02	.02	.03	.03	.04	.04
0.55	0	.10	.44	.46	.11	-.63	----	----	----	----	----
	2.5	.20	0	-.25	-.58	-.98	-.47	-.18	.03	.22	.38
	5.0	.10	-.08	-.27	-.51	-.77	-.30	-.11	.04	.18	.30
	7.4	-.02	-.18	-.36	-.56	-.79	-.20	-.05	.05	.18	.27
	9.0	-.01	-.13	-.29	-.44	-.61	-.18	-.06	.06	.16	.24
	10.0	-.01	-.12	-.26	-.42	-.57	-.20	-.07	.04	.14	.22
	15.0	-.03	-.12	-.22	-.34	-.45	-.20	-.10	0	.08	.16
	20.0	-.03	-.09	-.18	-.28	-.37	-.19	-.11	-.02	.05	.12
	25.0	-.03	-.09	-.17	-.25	-.33	-.18	-.11	-.03	.04	.10
	30.0	-.03	-.09	-.16	-.22	-.29	-.17	-.11	-.04	.02	.08
	35.0	-.05	-.10	-.16	-.22	-.27	-.17	-.11	-.06	0	.05
	40.0	-.05	-.11	-.18	-.21	-.26	----	----	----	----	----
	45.0	-.07	-.11	-.18	-.21	-.25	-.16	-.12	-.07	-.02	.02
	55.0	-.07	-.11	-.14	-.18	-.21	-.14	-.10	-.07	-.03	.01
	65.0	-.05	-.08	-.11	-.13	-.16	-.10	-.08	-.05	-.02	.01
	75.0	-.02	-.05	-.07	-.08	-.10	-.07	-.05	-.03	-.01	.01
	85.0	.01	-.01	-.02	-.03	-.04	-.01	0	.01	.02	.04
	95.0	.04	.04	.03	.03	.03	.03	.03	.04	.04	.05

TABLE VII.- WING PRESSURE COEFFICIENTS; $\delta = 4^{\circ}$, M = 0.25, R = 15.0×10^{6} - Continued

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.70	2.5	0.22	0.01	-0.27	-0.62	-1.04	-0.63	-0.29	-0.02	0.21	0.38
	5.0	.13	-.04	-.25	-.51	-.78	-.39	-.18	-.01	.15	.29
	7.5	.06	-.08	-.26	-.47	-.69	-.29	-.13	0	.15	.25
	10.0	-.01	-.14	-.30	-.48	-.67	----	----	----	----	----
	11.1	-.06	-.20	-.35	-.53	-.71	-.14	-.02	.09	.17	.05
	13.0	-.04	-.15	-.28	-.42	-.57	-.16	-.06	.05	.13	.21
	20.0	-.03	-.12	-.21	-.31	-.42	-.18	-.10	-.01	.06	.13
	25.0	-.02	-.10	-.17	-.26	-.34	-.17	-.10	-.03	.04	.11
	30.0	-.03	-.09	-.16	-.23	-.30	-.16	-.09	-.03	.03	.09
	35.0	-.04	-.10	-.16	-.22	-.28	-.16	-.10	-.05	.01	.06
	40.0	-.05	-.11	-.16	-.21	-.27	-.16	-.11	-.05	-.01	.04
	45.0	-.07	-.11	-.16	-.21	-.26	-.16	-.11	-.07	-.02	.02
	55.0	-.07	-.11	-.14	-.18	-.21	-.14	-.10	-.07	-.03	0
	65.0	-.05	-.08	-.11	-.13	-.16	-.10	-.07	-.05	-.02	0
	75.0	-.02	-.04	-.06	-.08	-.09	-.06	-.04	-.03	-.01	.01
	85.0	.01	-.01	-.01	-.03	-.04	----	----	----	----	----
	90.0	.03	.02	.01	.01	0	.01	.02	.03	.03	.04
0.85	0	.12	.46	.44	.12	-.63	----	----	----	----	----
	2.5	.24	.02	-.27	-.60	-1.10	-.71	-.34	-.05	.18	.35
	5.0	.15	-.02	-.23	-.48	-.77	-.44	-.21	-.05	.13	.29
	7.5	.08	-.07	-.25	-.45	-.67	-.38	-.20	-.05	.09	.22
	10.0	.03	-.09	-.25	-.42	-.61	-.29	-.15	-.02	.09	.19
	15.0	-.03	-.15	-.28	-.42	-.57	-.14	-.05	.05	.12	.19
	16.3	-.07	-.19	-.32	-.46	-.60	-.10	-.02	.07	.13	.19
	20.0	-.04	-.13	-.22	-.32	-.43	-.13	-.05	.02	.08	.14
	25.0	-.04	-.11	-.18	-.26	-.34	-.15	-.08	-.02	.04	.10
	30.0	-.04	-.09	-.15	-.22	-.28	-.14	-.09	-.03	.02	.07
	35.0	-.05	-.10	-.15	-.20	-.26	-.13	-.09	-.04	0	.05
	40.0	-.06	-.10	-.14	-.19	-.24	-.13	-.09	-.05	-.01	.03
	45.0	-.07	-.11	-.15	-.19	-.23	-.13	-.10	-.06	-.03	.01
	55.0	-.07	-.10	-.12	-.16	-.19	-.11	-.09	-.06	-.04	-.02
	65.0	-.05	-.07	-.09	-.11	-.14	-.08	-.06	-.04	-.03	-.01
	75.0	-.03	-.04	-.05	-.07	-.09	-.04	-.03	-.02	-.01	0
	85.0	.01	0	0	-.02	-.03	0	.01	.01	.02	.02
	90.0	.03	.02	.02	.01	0	.03	.03	.04	.04	.04
0.95	0	.15	.43	.46	.24	-.27	----	----	----	----	----
	2.5	.20	0	-.25	-.58	-.98	-.72	-.38	-.11	.12	.30
	5.0	.10	-.03	-.23	-.45	-.71	-.49	-.27	-.08	.08	.20
	7.5	.05	-.07	-.23	-.42	-.61	-.38	-.22	-.07	.05	.15
	10.0	.02	-.09	-.21	-.36	-.51	-.29	-.18	-.07	.03	.11
	15.0	.03	-.12	-.20	-.30	-.41	-.17	-.10	-.04	.02	.07
	20.8	-.04	-.20	-.23	-.30	-.39	-.04	0	.03	.06	.08
	23.4	----	----	----	----	----	-.02	.02	.05	.07	.08
	24.5	.02	-.14	-.19	-.25	-.33	----	----	----	----	----
	30.0	-.09	-.10	-.14	-.19	-.25	-.07	-.04	-.02	0	.02
	35.0	-.07	-.09	-.12	-.16	-.22	-.08	-.06	-.03	-.02	0
	40.0	-.06	-.09	-.11	-.16	-.21	-.09	-.06	-.04	-.03	-.02
	45.0	-.07	-.09	-.11	-.15	-.20	-.10	-.07	-.05	-.04	-.03
	55.0	-.07	-.08	-.10	-.13	-.18	-.09	-.07	-.06	-.05	-.04
	65.0	-.07	-.09	-.07	-.10	-.15	-.06	-.04	-.04	-.04	-.03
	75.0	-.04	-.02	-.03	-.07	-.11	-.03	-.02	-.01	-.02	-.02
	85.0	-.02	.01	0	-.03	-.07	.01	.02	.02	.01	.01
	90.0	----	----	----	----	----	.02	.04	.03	.02	.02

TABLE VII.- WING PRESSURE COEFFICIENTS; $\delta = 4^{\circ}$, $M = 0.25$, $R = 15.0 \times 10^{6}$ - Continued

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}, 20^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16	20	8	12	16	20
0.154	0	-0.86	-2.77	-5.27	-6.79	----	----	----	----
	2.3	-.68	-1.19	-2.53	----	0.48	0.60	0.68	0.68
	5.0	-.51	-.82	-1.52	-2.31	.37	.51	.60	.63
	7.5	-.45	-.70	-1.22	-1.78	----	----	----	----
	10.0	-.43	-.69	-1.07	-1.19	----	----	----	----
	15.0	-.44	-.65	-.80	-.90	.22	.34	.44	.50
	20.0	-.38	-.53	-.69	-.97	.19	.30	.40	.47
	25.0	-.34	-.45	-.51	-.57	.16	.27	.37	.44
	30.0	-.31	-.39	-.45	-.60	.13	.24	.34	.41
	35.0	-.32	-.40	-.43	-.60	.12	.22	.31	.38
	40.0	-.29	-.36	-.45	-.65	.09	.19	.28	.35
	45.0	-.31	-.37	-.46	-.54	.07	.17	.25	.32
	55.0	-.26	-.31	-.33	-.40	.04	.13	.20	.25
	65.0	-.20	-.24	-.30	-.40	.02	.10	.16	.20
	75.0	-.20	-.22	-.28	-.36	.01	.08	.12	.14
	85.0	-.10	-.11	-.17	-.28	.03	.08	.10	.11
	95.0	-.02	-.03	-.08	-.17	.04	.07	.07	.06
0.25	0	-1.41	-3.93	-4.68	-4.11	----	----	----	----
	2.3	-1.30	-2.02	-2.51	-2.04	----	----	----	----
	3.6	-.86	-1.37	-2.49	-2.07	----	----	----	----
	5.0	-.70	-1.14	-2.53	-2.16	.38	.50	.59	.65
	7.5	-.58	-.90	-2.50	-2.20	.31	.45	.56	.63
	10.0	-.51	-.74	-2.33	-2.16	.27	.41	.52	.60
	15.0	-.42	-.58	-1.57	-1.95	.22	.34	.46	.54
	20.0	-.36	-.49	-.67	-1.68	.18	.30	.41	.49
	25.0	-.33	-.44	-.38	-1.40	.15	.26	.37	.44
	30.0	-.30	-.40	-.37	-1.17	.12	.23	.33	.40
	35.0	-.29	-.39	-.38	-.99	.10	.20	.28	.35
	40.0	-.28	-.38	-.39	-.86	.08	.17	.26	.32
	45.0	-.28	-.37	-.40	-.79	.06	.15	.23	.28
	55.0	-.26	-.32	-.38	-.65	.03	.07	.18	.22
	65.0	-.22	-.27	-.33	-.57	.03	.10	.14	.17
	75.0	-.16	-.20	-.26	-.49	.02	.08	.11	.12
	85.0	-.10	-.13	-.17	-.38	.03	.07	.09	.07
	95.0	-.01	-.03	-.07	-.23	.04	.06	.04	-.01
0.40	0	-1.73	-4.92	-4.13	-2.96	----	----	----	----
	2.5	-1.30	-2.16	-1.80	-1.19	.46	.51	.55	.56
	4.6	----	----	----	----	.42	.51	.58	.61
	6.0	-.84	-1.29	-1.81	-1.19	.37	.48	.56	.60
	7.5	-.72	-1.10	-1.83	-1.18	.33	.46	.55	.59
	10.0	-.63	-.94	-1.87	-1.17	.29	.41	.51	.56
	15.0	-.51	-.73	-1.95	-1.15	.23	.35	.45	.51
	20.0	-.44	-.62	-1.92	-1.17	.19	.31	.40	.46
	25.0	-.37	-.51	-1.71	-1.15	.16	.27	.36	.41
	30.0	-.33	-.45	-1.45	-1.11	.15	.25	.33	.38
	35.0	-.31	-.42	-1.17	-1.06	.10	.20	.28	.32
	40.0	-.29	-.38	-.88	-.99	.09	.19	.25	.30
	45.0	-.28	-.35	-.64	-.94	.06	.15	.21	.25
	55.0	-.33	-.30	-.27	-.88	.04	.11	.16	.18
	65.0	-.19	-.22	-.25	-.79	.04	.10	.13	.13
	75.0	-.13	-.15	-.15	-.71	.03	.08	.09	.07
	85.0	-.06	-.07	-.14	-.62	.05	.07	.07	0
	95.0	.02	.01	-.05	-.52	.05	.05	.03	-.16
0.55	0	-1.78	-5.09	-2.61	-2.04	----	----	----	----
	2.5	-1.43	-2.44	-1.16	-.88	.47	.49	.54	.53
	5.0	-1.06	-1.71	-1.18	-.88	.39	.49	.55	.57
	7.4	-1.03	-1.51	-1.18	-.87	.35	.46	.52	.55
	9.0	-.81	-1.21	-1.18	-.86	.32	.44	.50	.53
	10.0	-.74	-1.12	-1.18	-.86	.31	.42	.49	.52
	15.0	-.58	-.84	-1.16	-.85	.24	.36	.43	.47
	20.0	-.47	-.67	-1.14	-.83	.20	.31	.38	.42
	25.0	-.40	-.57	-1.12	-.81	.17	.28	.34	.38
	30.0	-.36	-.49	-1.09	-.80	.14	.24	.30	.31
	35.0	-.33	-.45	-1.06	-.79	.11	.21	.26	.29
	40.0	-.31	-.42	-1.03	-.79	----	----	----	----
	45.0	-.30	-.38	-.98	-.78	.07	.15	.19	.22
	55.0	-.25	-.30	-.86	-.75	.05	.12	.14	.15
	65.0	-.18	-.22	-.73	-.71	.04	.09	.09	.08
	75.0	-.11	-.14	-.61	-.67	.03	.08	.05	.01
	85.0	-.05	-.06	-.48	-.63	.06	.09	.02	-.07
	95.0	.03	.02	-.36	-.60	.06	.06	-.09	-.28

TABLE VII.- WING PRESSURE COEFFICIENTS; $\delta = 4^{\circ}$, M = 0.25, R = 15.0×10^{6} - Concluded

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}, 20^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16	20	8	12	16	20
0.70	2.5	-1.53	-2.59	-0.79	-0.69	0.47	0.47	0.52	0.50
	5.0	-1.10	-1.85	-.78	-.71	.39	.49	.52	.53
	7.5	-.93	-1.51	-.77	-.71	.35	.46	.49	.51
	10.0	-.88	-1.32	-.77	-.69	----	----	----	----
	11.1	-.90	-1.30	-.77	-.69	.32	.43	.46	.48
	13.0	-.73	-1.07	-.75	-.67	.28	.39	.42	.46
	20.0	-.52	-.75	-.75	-.68	.20	.31	.35	.38
	25.0	-.43	-.62	-.73	-.67	.17	.28	.31	.34
	30.0	-.37	-.53	-.72	-.66	.15	.24	.27	.30
	35.0	-.34	-.47	-.71	-.65	.12	.21	.23	.26
	40.0	-.32	-.43	-.70	-.64	.09	.18	.19	.22
	45.0	-.30	-.39	-.69	-.64	.07	.15	.15	.17
	55.0	-.25	-.31	-.66	-.62	.04	.10	.09	.10
	65.0	-.18	-.23	-.64	-.60	.03	.08	.04	.03
	75.0	-.11	-.14	-.59	-.58	.03	.06	-.01	-.04
	85.0	-.04	-.06	-.54	-.56	----	----	----	----
	90.0	-.01	-.02	-.52	-.54	.05	.06	-.14	-.19
0.85	0	-1.82	-5.30	-1.60	-1.58	----	----	----	----
	2.5	-1.62	-2.83	-.58	-.56	.46	.46	.50	.48
	5.0	-1.09	-1.82	-.57	-.56	.39	.48	.52	.49
	7.5	-.91	-1.46	-.57	-.56	.32	.44	.43	.46
	10.0	-.81	-1.26	-.57	-.56	.27	.40	.39	.42
	15.0	-.73	-1.05	-.53	-.57	.25	.35	.35	.38
	16.3	-.75	-1.03	-.53	-.57	.25	.35	.34	.37
	20.0	-.54	-.77	-.55	-.56	.20	.30	.30	.33
	25.0	-.43	-.62	-.54	-.55	.15	.24	.24	.27
	30.0	-.36	-.52	-.53	-.54	.11	.20	.20	.23
	35.0	-.32	-.46	-.51	-.54	.09	.17	.17	.19
	40.0	-.30	-.41	-.50	-.54	.07	.14	.13	.15
	45.0	-.28	-.38	-.49	-.53	.04	.10	.09	.11
	55.0	-.23	-.31	-.47	-.52	.01	.06	.03	.04
	65.0	-.17	-.31	-.45	-.50	.01	.04	-.02	-.02
	75.0	-.11	-.17	-.43	-.48	.01	.03	-.06	-.07
	85.0	-.05	-.10	-.41	-.46	.03	.03	-.12	-.14
	90.0	-.02	-.06	-.40	-.45	.04	.03	-.15	-.17
0.95	0	-1.08	-3.48	-.88	-.92	----	----	----	----
	2.5	-1.45	-2.50	-.48	-.48	.41	.44	.44	.43
	5.0	-1.00	-1.65	-.48	-.48	.31	.42	.38	.40
	7.5	-.84	-1.35	-.48	-.48	.24	.36	.33	.35
	10.0	-.69	-1.08	-.49	-.49	.18	.29	.27	.30
	15.0	-.53	-.82	-.48	-.49	.12	.19	.19	.22
	20.8	-.48	-.71	-.48	-.50	.10	.14	.15	.18
	23.4	----	----	----	----	.10	.13	.15	.17
	24.5	-.41	-.61	-.47	-.51	----	----	----	----
	30.0	-.32	-.50	-.45	-.52	.03	.05	.08	.09
	35.0	-.28	-.46	-.44	-.51	.01	.02	.05	.07
	40.0	-.27	-.44	-.43	-.49	-.01	.01	.03	.04
	45.0	-.26	-.43	-.41	-.46	-.02	-.01	.01	.02
	55.0	-.24	-.40	-.37	-.43	-.04	-.03	-.03	-.03
	65.0	-.20	-.36	-.34	-.42	-.03	-.03	-.05	-.07
	75.0	-.16	-.34	-.32	-.40	-.02	-.03	-.08	-.09
	85.0	-.13	-.30	-.31	-.39	0	-.02	-.11	-.13
	90.0	----	----	----	----	.01	-.03	-.13	-.16

TABLE VIII.- WING PRESSURE COEFFICIENTS; $\delta = 4^{\circ}$, $M = 0.60$, $R = 3.2 \times 10^{6}$

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.154	0	0.42	0.56	0.53	0.38	0.51	----	----	----	----	----
	2.3	.09	0	-.16	-.31	-1.11	-0.11	0.03	0.19	0.30	0.40
	5.0	.03	-.07	-.17	-.32	-.44	-.11	-.02	.09	.19	.28
	7.5	-.01	-.09	-.18	-.31	-.40	----	----	----	----	----
	10.0	-.01	-.10	-.17	-.26	-.37	----	----	----	----	----
	15.0	-.03	-.11	-.17	-.26	-.36	-.15	-.07	0	.08	.15
	20.0	0	-.06	-.14	-.21	-.30	-.14	-.07	0	.06	.13
	25.0	-.01	-.07	-.13	-.20	-.28	-.15	-.09	-.02	.04	.10
	30.0	-.01	-.07	-.14	-.21	-.29	-.16	-.10	-.04	.02	.07
	35.0	-.04	-.11	-.17	-.24	-.30	-.18	-.10	-.05	0	.06
	40.0	-.06	-.13	-.19	-.25	-.30	-.18	-.12	-.07	-.01	.03
	45.0	-.07	-.13	-.17	-.23	-.27	-.18	-.13	-.08	-.03	.01
	55.0	-.09	-.14	-.18	-.22	-.26	-.19	-.15	-.11	-.06	-.02
	65.0	-.09	-.11	-.15	-.19	-.21	-.16	-.13	-.10	-.06	.03
	75.0	-.09	-.10	-.14	-.17	-.20	-.13	-.11	-.09	-.06	.03
	85.0	-.04	-.06	-.09	-.10	-.11	-.09	-.07	-.05	-.03	0
	95.0	-.01	-.02	-.03	-.04	-.05	-.03	-.02	-.01	-.01	----
0.25	0	.36	.49	.44	.19	-.22	----	----	----	----	----
	2.3	.07	-.12	-.36	-.67	-.91	----	----	----	----	----
	3.6	.04	-.13	-.35	-.47	-.68	----	----	----	----	----
	5.0	.02	-.07	-.20	-.38	-.58	-.18	-.04	.09	.20	.29
	7.5	-.09	-.12	-.21	-.35	-.50	-.21	-.08	.03	.13	.22
	10.0	-.04	-.13	-.21	-.34	-.47	-.20	-.09	0	.10	.19
	15.0	-.09	-.13	-.19	-.29	-.40	-.19	-.10	-.01	.06	.14
	20.0	-.09	-.13	-.19	-.28	-.35	-.17	-.10	-.03	.04	.11
	25.0	-.09	-.14	-.18	-.26	-.33	-.17	-.10	-.04	.02	.09
	30.0	-.10	-.13	-.18	-.26	-.32	-.17	-.11	-.05	0	.06
	35.0	-.12	-.16	-.19	-.28	-.32	-.18	-.13	-.06	-.02	.04
	40.0	-.07	-.13	-.18	-.24	-.29	-.19	-.14	-.09	-.04	.01
	45.0	-.09	-.14	-.19	-.24	-.29	-.19	-.15	-.10	-.05	0
	55.0	-.10	-.14	-.19	-.22	-.27	-.18	-.14	-.10	-.07	.02
	65.0	-.09	-.12	-.15	-.19	-.21	-.15	-.11	-.09	-.05	.02
	75.0	-.07	-.09	-.11	-.14	-.16	-.11	-.09	-.07	-.04	.02
	85.0	-.03	-.05	-.07	-.09	-.10	-.06	-.05	-.04	-.01	0
	95.0	.01	0	-.01	-.01	-.02	0	0	0	0	.01
0.40	0	.28	.48	.44	.16	-.27	----	----	----	----	----
	2.5	.11	-.06	-.33	-.60	-1.03	-.32	-.13	.09	.25	.37
	4.6	----	----	----	----	----	-.20	-.03	.10	.23	.33
	6.0	-.02	-.16	-.30	-.50	-.72	-.20	-.03	.09	.20	.30
	7.5	-.02	-.13	-.25	-.44	-.63	-.23	-.07	.04	.16	.26
	10.0	-.04	-.12	-.25	-.40	-.56	-.24	-.10	.01	.11	.21
	15.0	-.09	-.15	-.24	-.36	-.47	-.22	-.11	-.02	.07	.16
	20.0	-.10	-.15	-.23	-.33	-.42	-.20	-.11	-.03	.05	.12
	25.0	-.09	-.15	-.20	-.29	-.37	-.19	-.11	-.05	.03	.10
	30.0	-.09	-.16	-.19	-.28	-.33	-.19	-.16	-.06	.01	.08
	35.0	-.11	-.16	-.20	-.28	-.33	-.20	-.13	-.08	-.01	.05
	40.0	-.11	-.16	-.20	-.28	-.31	-.19	-.14	-.08	-.03	.03
	45.0	-.14	-.17	-.20	-.28	-.31	-.20	-.16	-.10	-.05	0
	55.0	-.10	-.14	-.19	-.23	-.26	-.18	-.14	-.10	-.06	-.01
	65.0	-.08	-.11	-.15	-.18	-.20	-.13	-.11	-.07	-.04	-.01
	75.0	-.05	-.08	-.10	-.12	-.14	-.10	-.08	-.05	-.03	0
	85.0	-.01	-.03	-.04	-.05	-.16	-.04	-.03	-.02	0	.02
	95.0	.03	.03	.02	.02	-.08	.02	.02	.03	.03	.04
0.55	0	.19	.46	.46	.17	-.26	----	----	----	----	----
	2.5	.13	-.06	-.34	-.67	-1.30	-.45	-.22	.04	.23	.36
	5.0	.02	-.11	-.33	-.56	-.92	-.32	-.14	.04	.18	.29
	7.4	-.07	-.22	-.41	-.65	-.82	-.22	-.06	.05	.17	.27
	9.0	-.14	-.27	-.45	-.55	-.73	-.20	-.06	.05	.15	.25
	10.0	-.03	-.16	-.28	-.50	-.68	-.22	-.08	.03	.13	.23
	15.0	-.10	-.15	-.27	-.40	-.54	-.23	-.11	-.02	.07	.16
	20.0	-.07	-.15	-.24	-.35	-.47	-.22	-.12	-.04	.05	.13
	25.0	-.08	-.13	-.18	-.31	-.41	-.21	-.12	-.04	.03	.10
	30.0	-.10	-.14	-.19	-.28	-.36	-.20	-.13	-.06	.01	.07
	35.0	-.11	-.13	-.20	-.27	-.34	-.20	-.13	-.07	-.01	.05
	40.0	-.08	-.13	-.19	-.25	-.30	----	----	----	----	----
	45.0	-.09	-.14	-.19	-.25	-.29	-.19	-.03	-.09	-.04	.01
	55.0	-.09	-.13	-.18	-.21	-.24	-.17	-.13	-.09	-.05	-.01
	65.0	-.08	-.10	-.14	-.16	-.18	-.13	-.10	-.07	-.04	-.01
	75.0	-.04	-.06	-.09	-.10	-.12	-.16	-.06	-.05	-.02	0
	85.0	-.01	-.02	-.03	-.04	-.05	-.02	-.01	0	.01	.02
	95.0	.04	.02	.02	.02	.01	.03	.03	.03	.04	.04

TABLE VIII.- WING PRESSURE COEFFICIENTS; $\delta = 4^{\circ}$, M = 0.60, $R = 3.2 \times 10^{6}$ - Continued

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.70	2.5	-0.17	-0.03	-0.32	-0.71	-1.19	-0.75	-0.32	-0.02	0.22	0.36
	5.0	.06	-.11	-.31	-.60	-.98	-.51	-.22	-.01	.16	.28
	7.5	-.02	-.16	-.32	-.55	-.84	-.41	-.14	0	.14	.25
	10.0	-.07	-.18	-.34	-.56	-.77	----	----	----	----	----
	11.1	-.11	-.24	-.41	-.60	-.78	-.27	-.02	.04	.16	.24
	13.0	-.15	-.25	-.37	-.51	-.68	-.29	-.06	.03	.12	.21
	20.0	-.05	-.13	-.24	-.36	-.48	-.31	-.11	-.03	.06	.13
	25.0	-.04	-.11	-.21	-.30	-.48	-.20	-.11	-.04	.03	.11
	30.0	-.05	-.11	-.19	-.27	-.35	-.19	-.11	-.05	.02	.08
	35.0	-.06	-.12	-.19	-.26	-.32	-.19	-.12	-.06	0	.06
	40.0	-.08	-.13	-.19	-.25	-.30	-.18	-.12	-.08	-.02	.03
	45.0	-.09	-.14	-.19	-.24	-.28	-.18	-.13	-.09	-.04	.01
	55.0	-.10	-.13	-.17	-.21	-.23	-.16	-.12	-.09	-.05	-.01
	65.0	-.08	-.10	-.13	-.15	-.17	-.11	-.09	-.07	-.04	-.12
	75.0	-.08	-.05	-.08	-.09	-.10	-.07	-.06	-.04	-.02	-.07
	85.0	-.01	-.01	-.02	-.03	-.04	----	----	----	----	----
	90.0	.03	.02	.01	0	0	.01	.01	.02	.02	.03
0.85	0	.24	.47	.46	.14	-.29	----	----	----	----	----
	2.5	.19	-.03	-.34	-.91	-1.24	-.79	-.39	-.05	.19	.35
	5.0	.08	-.07	-.30	-.55	-.96	-.49	-.25	-.05	.13	.27
	7.5	.01	-.13	-.31	-.54	-.83	-.41	-.21	-.06	.09	.21
	10.0	-.05	-.15	-.32	-.50	-.74	-.33	-.17	-.04	.08	.18
	15.0	-.07	-.20	-.34	-.50	-.62	-.19	-.07	0	.10	.18
	16.3	-.10	-.23	-.37	-.52	-.61	-.15	-.03	0	.12	.19
	20.0	-.04	-.15	-.28	-.38	-.50	-.16	-.08	.02	.08	.15
	25.0	-.06	-.13	-.21	-.31	-.41	-.17	-.11	-.04	.02	.09
	30.0	-.06	-.13	-.19	-.27	-.35	-.17	-.11	-.05	0	.06
	35.0	-.07	-.13	-.18	-.25	-.31	-.16	-.11	-.06	-.02	.04
	40.0	-.09	-.13	-.18	-.23	-.28	-.15	-.12	-.07	-.03	.01
	45.0	-.10	-.14	-.18	-.21	-.26	-.16	-.13	-.09	-.06	-.02
	55.0	-.10	-.12	-.15	-.18	-.21	-.14	-.12	-.09	-.07	-.02
	65.0	-.08	-.09	-.11	-.14	-.16	-.10	-.09	-.07	-.06	-.04
	75.0	-.04	-.05	-.07	-.08	-.10	-.05	-.05	-.04	-.04	-.02
	85.0	-.01	0	-.01	-.02	-.04	-.01	-.01	0	-.01	0
	90.0	.02	.02	.01	0	-.02	.02	.02	.02	.02	.02
0.95	0	.22	.44	.46	.27	-.03	----	----	----	----	----
	2.5	.16	-.05	-.33	-.79	-1.25	-.90	-.47	-.12	.13	.29
	5.0	.04	-.07	-.29	-.54	-1.11	-.53	-.32	-.12	.06	.19
	7.5	0	-.15	-.29	-.49	-.95	-.42	-.26	-.12	.02	.13
	10.0	-.02	-.15	-.30	-.44	-.76	-.33	-.22	-.11	-.01	.09
	15.0	-.08	-.17	-.26	-.37	-.52	-.20	-.13	-.08	-.02	.04
	20.8	-.14	-.21	-.28	-.36	-.41	-.08	-.02	-.03	.01	.05
	23.4	----	----	----	----	----	-.08	-.04	.03	-.02	.04
	24.5	-.12	-.20	-.29	-.31	-.34	----	----	----	----	----
	30.0	-.10	-.14	-.16	-.24	-.28	-.09	-.06	-.04	-.02	0
	35.0	-.09	-.12	-.14	-.21	-.25	-.11	-.08	-.06	-.05	-.03
	40.0	-.09	-.12	-.14	-.20	-.24	-.11	-.09	-.07	-.06	-.04
	45.0	-.10	-.12	-.14	-.19	-.23	-.11	-.10	-.08	-.08	-.06
	55.0	-.09	-.10	-.12	-.16	-.20	-.11	-.10	-.08	-.08	-.07
	65.0	-.06	-.08	-.09	-.13	-.18	-.08	-.07	-.06	-.06	-.05
	75.0	-.03	-.04	-.05	-.09	-.14	-.04	-.04	-.03	-.04	-.04
	85.0	0	-.01	-.01	-.06	-.09	.02	0	.01	-.01	-.01
	90.0	----	----	----	----	----	0	.02	.02	0	-.01

TABLE VIII.- WING PRESSURE COEFFICIENTS; $\delta = 4^{\circ}$, M = 0.60, R = 3.2×10^{6} - Continued

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}, 20^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16	20	8	12	16	20
0.154	0	-0.40	-1.09	-1.59	-1.12	----	----	----	----
	2.3	-.80	-2.47	-3.23	-1.11	0.49	0.62	0.69	0.70
	5.0	-.65	-.81	-1.95	-1.07	.38	.53	.59	.62
	7.5	-.60	-.80	-1.32	-1.06	----	----	----	----
	10.0	-.57	-.76	-1.00	-1.02	----	----	----	----
	15.0	-.53	-.75	-.82	-1.02	.23	.36	.44	.49
	20.0	-.40	-.57	-.66	-.95	.20	.32	.40	.46
	25.0	-.38	-.52	-.61	-.92	.17	.29	.37	.43
	30.0	-.36	-.45	-.53	-.87	.14	.25	.34	.40
	35.0	-.37	-.43	-.53	-.80	.12	.22	.31	.37
	40.0	-.36	-.40	-.52	-.76	.10	.20	.28	.33
	45.0	-.32	-.38	-.49	-.70	.07	.14	.25	.30
	55.0	-.30	-.35	-.42	-.64	.03	.12	.19	.22
	65.0	-.24	-.29	-.38	-.59	.02	.09	.14	.17
	75.0	-.22	-.25	-.40	-.58	.01	.07	.10	.10
	85.0	-.13	-.17	-.26	-.54	.01	.05	.07	.04
	95.0	-.05	-.09	-.13	-.46	.02	.03	.02	-.08
0.25	0	-.60	-1.30	-1.93	-1.04	----	----	----	----
	2.3	-1.63	-1.92	-1.98	-.94	----	----	----	----
	3.6	-1.51	-1.97	-2.04	-.96	----	----	----	----
	5.0	-1.40	-2.04	-2.16	-.97	.39	.52	.60	.64
	7.5	-1.09	-2.14	-2.30	-.97	.31	.45	.55	.60
	10.0	-.69	-2.11	-2.28	-.98	.27	.41	.51	.51
	15.0	-.45	-1.38	-2.04	-1.01	.22	.37	.45	.50
	20.0	-.44	-.34	-1.56	-1.01	.19	.31	.40	.45
	25.0	-.41	-.37	-1.04	-1.00	.15	.27	.35	.40
	30.0	-.40	-.39	-.70	-.96	.13	.24	.32	.36
	35.0	-.40	-.41	-.58	-.96	.10	.20	.28	.32
	40.0	-.34	-.35	-.51	-.88	.07	.17	.24	.29
	45.0	-.33	-.35	-.49	-.85	.05	.14	.21	.25
	55.0	-.30	-.33	-.47	-.81	.02	.10	.16	.19
	65.0	-.25	-.29	-.43	-.78	.02	.08	.12	.13
	75.0	-.19	-.24	-.36	-.73	.01	.06	.08	.07
	85.0	-.13	-.19	-.29	-.67	.02	.05	.01	-.01
	95.0	-.03	-.06	-.17	-.57	.02	.02	-.01	-.07
0.40	0	-.55	-1.19	-1.41	-.94	----	----	----	----
	2.5	-1.26	-1.44	-1.30	-.87	.45	.55	.60	.60
	4.6	----	----	----	----	.41	.52	.59	.60
	6.0	-1.21	-1.48	-1.34	-.87	.38	.49	.57	.59
	7.5	-1.20	-1.51	-1.34	-.87	.33	.46	.53	.57
	10.0	-1.17	-1.56	-1.34	-.87	.28	.41	.50	.54
	15.0	-1.08	-1.65	-1.34	-.87	.22	.35	.44	.51
	20.0	-.87	-1.70	-1.34	-.87	.19	.30	.39	.44
	25.0	-.63	-1.62	-1.30	-.87	.16	.27	.35	.39
	30.0	-.45	-1.36	-1.25	-.87	.13	.23	.31	.35
	35.0	-.38	-1.02	-1.17	-.84	.10	.19	.27	.30
	40.0	-.34	-.62	-1.08	-.84	.07	.16	.24	.27
	45.0	-.32	-.42	-1.01	-.84	.04	.13	.19	.22
	55.0	-.26	-.29	-.86	-.80	.02	.09	.14	.15
	65.0	-.21	-.24	-.73	-.76	.02	.07	.10	.09
	75.0	-.15	-.19	-.61	-.74	.01	.04	.05	.01
	85.0	-.07	-.12	-.48	-.71	.03	.04	.01	-.08
	95.0	.01	-.04	-.35	-.67	.04	.03	-.10	-.29
0.55	0	-.45	-.82	-.98	-.90	----	----	----	----
	2.5	-1.17	-1.06	-.94	-.82	.44	.53	.57	.56
	5.0	-1.14	-1.03	-.91	-.80	.37	.48	.54	.56
	7.4	-1.13	-1.04	-.91	-.80	.34	.45	.51	.54
	9.0	-1.09	-1.04	-.91	-.80	.31	.42	.49	.52
	10.0	-1.09	-1.04	-.91	-.80	.29	.40	.48	.51
	15.0	-1.08	-1.04	-.91	-.80	.23	.34	.41	.45
	20.0	-1.02	-1.07	-.90	-.80	.18	.29	.36	.40
	25.0	-.93	-1.07	-.87	-.77	.15	.25	.32	.36
	30.0	-.80	-1.07	-.87	-.77	.12	.21	.28	.31
	35.0	-.67	-1.04	-.85	-.77	.10	.18	.24	.27
	40.0	-.51	-.93	-.79	-.73	----	----	----	----
	45.0	-.40	-.89	-.79	-.73	.05	.12	.17	.19
	55.0	-.27	-.78	-.76	-.71	.02	.07	.11	.11
	65.0	-.19	-.66	-.70	-.70	.02	.05	.06	.04
	75.0	-.12	-.55	-.65	-.68	.01	.02	0	-.04
	85.0	-.06	-.44	-.60	-.65	.03	0	-.06	-.13
	95.0	.03	-.31	-.56	-.62	.04	-.07	-.24	-.33

TABLE VIII.- WING PRESSURE COEFFICIENTS; $\delta = 4^{\circ}$, M = 0.60, R = 3.2×10^{6} - Concluded

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}, 20^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16	20	8	12	16	20
0.70	2.5	-1.00	-0.75	-0.72	-0.70	0.43	0.51	0.54	0.53
	5.0	-.99	-.76	-.73	-.68	.35	.45	.51	.53
	7.5	-.97	-.76	-.73	-.68	.31	.41	.48	.50
	10.0	-.96	-.75	-.73	-.68	----	----	----	----
	11.1	-.96	-.76	-.73	-.68	.30	.38	.44	.47
	13.0	-.94	-.74	-.73	-.68	.26	.36	.42	.44
	20.0	-.87	-.66	-.68	-.67	.18	.27	.34	.37
	25.0	-.83	-.64	-.66	-.66	.15	.16	.29	.33
	30.0	-.78	-.63	-.65	-.65	.13	.20	.26	.28
	35.0	-.72	-.62	-.64	-.65	.09	.16	.21	.24
	40.0	-.64	-.61	-.63	-.64	.07	.13	.17	.19
	45.0	-.57	-.61	-.62	-.64	.04	.09	.13	.15
	55.0	-.42	-.59	-.60	-.63	.01	.04	.06	.06
	65.0	-.30	-.57	-.58	-.62	.01	0	0	0
	75.0	-.20	-.53	-.55	-.60	.01	-.04	-.06	-.08
	85.0	-.12	-.49	-.53	-.58	----	----	----	----
	90.0	-.07	-.47	-.52	-.57	.01	-.14	-.19	-.23
0.85	0	-.30	-.45	-.67	-.68	----	----	----	----
	2.5	-.83	-.60	-.59	-.58	.41	.47	.50	.49
	5.0	-.79	-.60	-.59	-.58	.33	.40	.46	.48
	7.5	-.76	-.60	-.59	-.58	.27	.35	.42	.45
	10.0	-.73	-.58	-.59	-.58	.24	.31	.38	.41
	15.0	-.67	-.54	-.56	-.56	.23	.29	.34	.37
	16.3	-.67	-.54	-.56	-.56	.24	.29	.34	.37
	20.0	-.64	-.53	-.55	-.55	.19	.24	.29	.32
	25.0	-.60	-.51	-.54	-.55	.14	.18	.23	.26
	30.0	-.58	-.50	-.53	-.55	.10	.14	.19	.21
	35.0	-.54	-.48	-.52	-.54	.07	.10	.15	.17
	40.0	-.50	-.47	-.51	-.54	.04	.07	.11	.12
	45.0	-.47	-.45	-.50	-.54	.01	.03	.06	.07
	55.0	-.40	-.42	-.49	-.54	-.02	-.03	-.01	-.01
	65.0	-.32	-.39	-.47	-.53	-.03	-.06	-.06	-.07
	75.0	-.25	-.37	-.45	-.53	-.03	-.09	-.10	-.13
	85.0	-.19	-.35	-.43	-.51	-.03	-.13	-.16	-.20
	90.0	-.17	-.35	-.42	-.50	-.04	-.16	-.19	-.24
0.95	0	-.01	-.16	-.35	-.52	----	----	----	----
	2.5	-.65	-.50	-.51	-.52	.34	.39	.44	.43
	5.0	-.67	-.52	-.51	-.52	.24	.31	.38	.40
	7.5	-.63	-.52	-.51	-.52	.18	.25	.32	.35
	10.0	-.54	-.45	-.47	-.50	.13	.19	.27	.30
	15.0	-.52	-.45	-.47	-.50	.08	.13	.19	.22
	20.8	-.48	-.44	-.46	-.50	.08	.10	.16	.17
	23.4	----	----	----	----	.08	.11	.14	.15
	24.5	-.45	-.44	-.46	-.50	----	----	----	----
	30.0	-.42	-.42	-.45	-.50	.02	.03	.06	.07
	35.0	-.39	-.41	-.45	-.50	-.01	----	.02	.03
	40.0	-.39	-.40	-.44	-.50	-.02	-.02	0	-.01
	45.0	-.36	-.38	-.43	-.50	-.04	-.05	-.03	-.05
	55.0	-.29	-.34	-.41	-.50	-.05	-.08	-.08	-.10
	65.0	-.25	-.31	-.39	-.50	-.05	-.09	-.11	-.14
	75.0	-.22	-.28	-.37	-.49	-.04	-.10	-.13	-.17
	85.0	-.19	-.27	-.35	-.47	-.05	-.12	-.16	-.21
	90.0	----	----	----	----	-.06	-.14	-.18	-.25

A
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TABLE IX.- WING PRESSURE COEFFICIENTS; $\delta = 4^{\circ}$, $M = 0.85$, $R = 3.2\times10^{6}$

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		-2	0	2	4	-2	0	2	4
0.154	0	0.54	0.62	0.60	0.53	----	----	----	----
	2.3	.18	.04	-.11	-.28	-0.05	0.06	0.22	0.34
	5.0	.09	0	-.11	-.26	-.10	.01	.12	.22
	7.5	.06	-.02	-.15	-.26	----	----	----	----
	10.0	.06	-.02	-.13	-.22	----	----	----	----
	15.0	.03	-.05	-.15	-.24	-.14	-.06	.03	.11
	20.0	.01	-.06	-.12	-.21	-.14	-.06	.02	.09
	25.0	.01	-.06	-.12	-.22	-.15	-.09	-.01	.06
	30.0	0	-.07	-.14	-.24	-.18	-.11	-.03	.03
	35.0	-.03	-.11	-.18	-.26	-.18	-.11	-.04	.02
	40.0	-.06	-.15	-.21	-.26	-.21	-.14	-.06	0
	45.0	-.08	-.14	-.20	-.28	-.22	-.15	-.09	-.03
	55.0	-.11	-.17	-.23	-.30	-.25	-.19	-.12	-.07
	65.0	-.10	-.15	-.19	-.24	-.22	-.16	-.11	-.07
	75.0	-.11	-.16	-.20	-.25	-.18	-.15	-.10	-.06
	85.0	-.05	-.09	-.10	-.12	-.11	-.09	-.06	-.03
	95.0	-.01	-.03	-.03	-.04	-.03	-.03	-.01	0
0.25	0	.46	.54	.50	.38	----	----	----	----
	2.3	.10	-.08	-.30	-.60	----	----	----	----
	3.6	.09	-.07	-.28	-.57	----	----	----	----
	5.0	.09	-.03	-.17	-.31	-.15	-.01	.11	.22
	7.5	.04	-.06	-.17	-.32	-.19	-.06	.04	.15
	10.0	.02	-.08	-.19	-.32	-.19	-.08	.02	.12
	15.0	0	-.09	-.19	-.29	-.19	-.09	0	.09
	20.0	-.02	-.10	-.19	-.28	-.19	-.10	-.01	.06
	25.0	-.03	-.11	-.19	-.27	-.19	-.11	-.03	.04
	30.0	-.05	-.11	-.20	-.28	-.20	-.13	-.05	.01
	35.0	-.06	-.13	-.22	-.30	-.22	-.15	-.07	-.01
	40.0	-.08	-.15	-.20	-.29	-.24	-.17	-.09	-.03
	45.0	-.10	-.16	-.22	-.30	-.25	-.19	-.11	-.05
	55.0	-.11	-.18	-.23	-.30	-.25	-.19	-.13	-.07
	65.0	-.11	-.16	-.20	-.25	-.20	-.19	-.10	-.06
	75.0	-.09	-.12	-.14	-.18	-.15	-.12	-.08	-.05
	85.0	-.05	-.07	-.08	-.10	-.06	-.07	-.05	-.01
	95.0	.01	.01	.01	-.01	0	0	.01	.01
0.40	0	.39	.54	.49	.34	----	----	----	----
	2.5	.16	-.03	-.27	-.73	-.42	-.13	.07	.25
	4.6	----	----	----	----	-.25	-.03	.09	.23
	6.0	.02	-.12	-.32	-.51	-.23	-.02	.09	.21
	7.5	.03	-.09	-.24	-.42	-.24	-.08	.04	.16
	10.0	-.01	-.11	-.26	-.43	-.26	-.11	-.01	.12
	15.0	-.03	-.12	-.25	-.37	-.25	-.13	-.04	.07
	20.0	-.05	-.14	-.25	-.39	-.24	-.14	-.06	.04
	25.0	-.05	-.12	-.24	-.33	-.24	-.14	-.07	.02
	30.0	-.06	-.13	-.22	-.33	-.25	-.15	-.08	0
	35.0	-.09	-.15	-.25	-.34	-.26	-.18	-.10	-.03
	40.0	-.09	-.16	-.25	-.34	-.27	-.19	-.12	-.05
	45.0	-.12	-.18	-.27	-.36	-.28	-.20	-.14	-.07
	55.0	-.12	-.19	-.23	-.29	-.24	-.19	-.13	-.08
	65.0	-.10	-.15	-.18	-.21	-.18	-.14	-.10	-.06
	75.0	-.07	-.10	-.11	-.14	-.12	-.10	-.07	-.04
	85.0	-.03	-.04	-.04	-.05	-.05	-.04	-.02	-.01
	95.0	.04	.03	.03	.04	.03	.03	.04	.04
0.55	0	.33	.50	.49	.34	----	----	----	----
	2.5	.17	-.02	-.28	-.80	-.63	-.25	.01	.22
	5.0	.07	-.10	-.32	-.54	-.44	-.17	.01	.17
	7.4	-.05	-.22	-.44	-.72	-.35	-.08	.04	.17
	9.0	-.09	-.24	-.46	-.81	-.30	-.07	.03	.15
	10.0	-.02	-.16	-.32	-.60	-.29	-.10	.01	.13
	15.0	-.06	-.14	-.29	-.46	-.29	-.14	-.05	.06
	20.0	-.07	-.15	-.28	-.43	-.28	-.16	-.07	.04
	25.0	-.06	-.14	-.26	-.39	-.28	-.16	-.08	.02
	30.0	-.07	-.14	-.24	-.36	-.27	-.17	-.09	0
	35.0	-.09	-.16	-.26	-.36	-.27	-.18	-.11	-.03
	40.0	-.11	-.18	-.24	-.34	----	----	----	----
	45.0	-.12	-.19	-.25	-.33	-.26	-.19	-.13	-.06
	55.0	-.13	-.18	-.22	-.27	-.22	-.17	-.13	-.07
	65.0	-.11	-.14	-.16	-.19	-.16	-.13	-.09	-.06
	75.0	-.06	-.08	-.09	-.11	-.10	-.08	-.06	-.04
	85.0	-.01	-.02	-.02	-.03	-.02	-.02	0	.01
	95.0	.06	.05	.06	.06	.04	.04	.05	.05

TABLE IX.- WING PRESSURE COEFFICIENTS; $\delta = 4^{\circ}$, M = 0.85, R = 3.2×10^{6} - Continued

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		-2	0	2	4	-2	0	2	4
0.70	2.5	0.19	0.01	-0.28	-0.86	-0.73	-0.37	-0.08	0.20
	5.0	.09	-.08	-.33	-.78	-.60	-.28	-.05	.15
	7.5	.03	-.13	-.34	-.60	-.50	-.16	-.03	.12
	10.0	-.02	-.18	-.39	-.65	----	----	----	----
	11.1	-.09	-.24	-.45	-.75	-.36	-.05	.02	.15
	13.0	-.12	-.25	-.48	-.65	-.32	-.08	.01	.11
	20.0	-.07	-.17	-.29	-.46	-.28	-.14	-.06	.04
	25.0	-.06	-.15	-.24	-.38	-.27	-.15	-.07	.02
	30.0	-.07	-.15	-.23	-.35	-.25	-.15	-.08	0
	35.0	-.09	-.16	-.23	-.33	-.25	-.16	-.10	-.02
	40.0	-.11	-.18	-.24	-.32	-.24	-.17	-.11	-.04
	45.0	-.13	-.18	-.24	-.29	-.24	-.18	-.13	-.06
	55.0	-.13	-.17	-.21	-.23	-.19	-.15	-.12	-.08
	65.0	-.11	-.13	-.14	-.16	-.12	-.10	-.08	-.05
	75.0	-.06	-.07	-.07	-.08	-.06	-.06	-.04	-.02
	85.0	-.01	-.01	-.01	-.01	.04	.04	.04	.04
	90.0	.02	.03	.03	.03	----	----	----	----
0.85	0	.36	.51	.47	.27	----	----	----	----
	2.5	.22	.01	-.30	-.90	-.86	-.47	-.08	.19
	5.0	.11	-.04	-.28	-.85	-.79	-.38	-.08	.15
	7.5	.04	-.10	-.33	-.80	-.70	-.25	-.08	.10
	10.0	0	-.12	-.33	-.60	-.62	-.21	-.05	.09
	15.0	-.08	-.23	-.42	-.66	-.43	-.10	-.01	.12
	16.3	-.12	-.27	-.46	-.71	-.37	-.05	-.01	.13
	20.0	-.11	-.21	-.40	-.46	-.26	-.10	.01	.09
	25.0	-.08	-.17	-.26	-.36	-.22	-.14	-.05	.03
	30.0	-.09	-.16	-.23	-.29	-.19	-.14	-.07	0
	35.0	-.11	-.17	-.22	-.25	-.17	-.14	-.08	-.02
	40.0	-.13	-.17	-.20	-.23	-.16	-.14	-.10	-.04
	45.0	-.14	-.17	-.19	-.22	-.16	-.15	-.11	-.07
	55.0	-.13	-.15	-.16	-.17	-.13	-.13	-.10	-.07
	65.0	-.09	-.10	-.10	-.11	-.08	-.08	-.07	-.05
	75.0	-.04	-.04	-.04	-.05	-.03	-.03	-.03	-.02
	85.0	.02	.02	.02	.02	.02	.02	.03	.02
	90.0	.04	.04	.06	.05	.05	.05	.05	.05
0.95	0	.37	.49	.46	.34	----	----	----	----
	2.5	.18	0	-.32	-.96	-.75	-.56	-.14	.15
	5.0	.07	-.07	-.32	-.95	-.73	-.47	-.16	.07
	7.5	.01	-.12	-.34	-.90	-.69	-.30	-.14	.03
	10.0	-.03	-.19	-.38	-.63	-.65	-.27	-.14	-.01
	15.0	-.12	-.24	-.36	-.37	-.53	-.17	-.12	-.04
	20.8	-.20	-.27	-.32	-.32	-.34	-.03	-.07	-.02
	23.4	----	----	----	----	-.27	-.03	.01	-.02
	24.5	-.23	-.28	-.34	-.29	----	----	----	----
	30.0	-.13	-.15	-.15	-.22	-.13	-.06	-.04	-.03
	35.0	-.12	-.13	-.14	-.19	-.09	-.09	-.06	-.05
	40.0	-.11	-.13	-.14	-.18	-.08	-.10	-.08	-.07
	45.0	-.11	-.13	-.14	-.18	-.09	-.11	-.09	-.07
	55.0	-.09	-.10	-.12	-.15	-.09	-.10	-.08	-.08
	65.0	-.06	-.07	-.07	-.11	-.06	-.06	-.05	-.05
	75.0	-.02	-.02	-.02	-.07	-.02	-.01	-.01	-.01
	85.0	.03	.02	.02	-.02	.02	.03	.04	.03
	90.0	----	----	----	----	.04	.05	.06	.04

TABLE IX.- WING PRESSURE COEFFICIENTS; $\delta = 4^{\circ}$, $M = 0.85$, $R = 3.2\times10^{6}$ - Continued

(b) $\alpha_u = 6^{\circ}, 8^{\circ}, 12^{\circ}, 16^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		6	8	12	16	6	8	12	16
0.154	0	0.38	0.21	-0.10	-0.40	----	----	----	----
	2.3	-.41	-.62	-1.35	-1.58	0.44	0.52	0.66	0.73
	5.0	-.39	-.51	-.82	-1.48	.31	.40	.54	.63
	7.5	-.39	-.49	-.62	-1.24	----	----	----	----
	10.0	-.35	-.45	-.66	-1.08	----	----	----	----
	15.0	-.37	-.53	-.79	-.87	.18	.25	.38	.47
	20.0	-.33	-.45	-.59	-.81	.15	.22	.34	.43
	25.0	-.33	-.42	-.52	-.62	.12	.19	.30	.39
	30.0	-.32	-.38	-.53	-.58	.10	.15	.26	.35
	35.0	-.33	-.40	-.56	-.47	.08	.14	.25	.32
	40.0	-.33	-.41	-.59	-.47	.05	.10	.20	.29
	45.0	-.36	-.47	-.58	-.57	.02	.08	.18	.26
	55.0	-.35	-.42	-.35	-.61	-.01	.03	.11	.19
	65.0	-.30	-.40	-.33	-.56	-.02	.01	.08	.14
	75.0	-.31	-.37	-.43	-.50	-.03	0	.05	.09
	85.0	-.14	-.15	-.30	-.43	-.01	.01	.03	.05
	95.0	-.04	-.06	-.20	-.32	.01	.02	-.01	-.02
0.25	0	.19	.03	-.10	-.65	----	----	----	----
	2.3	-1.01	-1.24	-1.40	-1.47	----	----	----	----
	3.6	-.80	-1.09	-1.39	-1.47	----	----	----	----
	5.0	-.65	-1.03	-1.40	-1.48	.31	.39	.52	.62
	7.5	-.57	-.97	-1.39	-1.51	.24	.31	.46	.56
	10.0	-.49	-.85	-1.36	-1.53	.20	.28	.41	.52
	15.0	-.45	-.55	-1.34	-1.53	.16	.22	.35	.46
	20.0	-.41	-.43	-1.18	-1.46	.13	.19	.31	.40
	25.0	-.38	-.41	-.47	-1.36	.10	.16	.28	.36
	30.0	-.38	-.43	-.48	-.97	.07	.13	.24	.32
	35.0	-.39	-.45	-.53	-.75	.05	.10	.20	.29
	40.0	-.38	-.45	-.48	-.76	.02	.07	.17	.26
	45.0	-.38	-.48	-.41	-.73	0	.05	.14	.21
	55.0	-.36	-.47	-.37	-.69	-.02	.02	.09	.16
	65.0	-.31	-.38	-.41	-.66	-.02	.01	.07	.12
	75.0	-.23	-.27	-.39	-.57	-.02	.01	.03	.07
	85.0	-.13	-.16	-.31	-.49	0	.01	.01	.02
	95.0	-.02	-.05	-.19	-.36	.02	.01	-.05	-.09
0.40	0	.15	-.02	-.40	-.76	----	----	----	----
	2.5	-1.29	-1.13	-1.30	-1.10	.36	.44	.55	.62
	4.6	----	----	----	----	.33	.41	.51	.60
	6.0	-.96	-.95	-1.26	-1.11	.30	.37	.48	.57
	7.5	-.63	-.91	-1.26	-1.10	.26	.33	.45	.54
	10.0	-.59	-.87	-1.27	-1.09	.21	.28	.40	.50
	15.0	-.51	-.79	-1.27	-1.08	.16	.23	.34	.44
	20.0	-.50	-.76	-1.27	-1.06	.12	.19	.30	.39
	25.0	-.48	-.72	-1.23	-1.03	.10	.16	.26	.35
	30.0	-.47	-.69	-1.14	-.99	.07	.13	.22	.31
	35.0	-.46	-.67	-1.03	-.99	.04	.10	.18	.27
	40.0	-.45	-.63	-.88	-.97	.02	.07	.15	.23
	45.0	-.46	-.60	-.74	-.93	-.01	.04	.11	.19
	55.0	-.35	-.44	-.60	-.83	-.02	.02	.07	.13
	65.0	-.25	-.29	-.53	-.76	-.02	.02	.04	.09
	75.0	-.15	-.19	-.48	-.71	-.01	.01	0	.03
	85.0	-.06	-.08	-.40	-.66	.01	.02	-.03	-.03
	95.0	.03	0	-.29	-.61	.04	.03	-.10	-.18
0.55	0	.13	-.04	-.34	-.64	----	----	----	----
	2.5	-1.33	-1.49	-.95	-.78	.34	.42	.53	.58
	5.0	-1.26	-1.46	-.95	-.83	.28	.36	.46	.54
	7.4	-1.22	-1.41	-.93	-.84	.27	.33	.44	.52
	9.0	-1.17	-1.34	-.92	-.84	.24	.31	.41	.49
	10.0	-1.11	-1.29	-.91	-.86	.22	.29	.39	.47
	15.0	-.61	-1.02	-.87	-.86	.15	.22	.33	.41
	20.0	-.54	-.84	-.85	-.84	.12	.18	.28	.36
	25.0	-.51	-.75	-.85	-.84	.09	.15	.24	.32
	30.0	-.48	-.72	-.84	-.83	.07	.12	.20	.28
	35.0	-.46	-.66	-.81	-.81	.04	.10	.17	.24
	40.0	-.41	-.55	-.73	-.76	.04	.04	----	----
	45.0	-.38	-.44	-.72	-.74	0	.05	.11	.17
	55.0	-.29	-.31	-.69	-.72	-.02	.02	.05	.10
	65.0	-.19	-.22	-.66	-.69	-.02	.01	.01	.04
	75.0	-.11	-.14	-.62	-.67	-.01	0	-.04	-.02
	85.0	-.03	-.07	-.58	-.64	.02	.02	-.08	-.09
	95.0	.05	-.01	----	-.21	.05	.02	-.21	-.27

TABLE IX.- WING PRESSURE COEFFICIENTS; $\delta = 4^{\circ}$, M = 0.85, R = 3.2×10^{6} - Concluded

(b) $\alpha_u = 6^{\circ}, 8^{\circ}, 12^{\circ}, 16^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		6	8	12	16	6	8	12	16
0.70	2.5	-1.37	-1.54	-0.67	-0.70	0.34	0.42	0.51	0.55
	5.0	-1.33	-1.52	-.69	-.72	.27	.35	.44	.51
	7.5	-1.26	-1.48	-.69	-.71	.23	.31	.40	.47
	10.0	-1.24	-1.45	-.69	-.72	----	----	----	----
	11.1	-1.24	-1.43	-.69	-.72	.24	.30	.37	.44
	13.0	-1.19	-1.41	-.70	-.72	.20	.26	.34	.41
	20.0	-.59	-1.17	-.63	-.69	.13	.19	.26	.33
	25.0	-.44	-.86	-.62	-.68	.10	.16	.22	.29
	30.0	-.41	-.62	-.62	-.67	.08	.13	.19	.25
	35.0	-.37	-.52	-.61	-.66	.05	.10	.14	.21
	40.0	-.33	-.45	-.61	-.66	.02	.06	.11	.17
	45.0	-.30	-.40	-.60	-.65	-.01	.04	.07	.12
	55.0	-.23	-.30	-.59	-.63	.03	0	0	.05
	65.0	-.16	-.22	-.57	-.62	-.02	-.01	----	-.01
	75.0	-.08	-.14	-.55	-.60	-.01	-.01	----	-.08
	85.0	-.02	-.07	-.53	-.59	----	----	----	----
	90.0	.02	-.03	-.52	-.58	.05	.01	----	-.22
0.85	0	.04	-.16		-.59	----	----		----
	2.5	-1.37	-1.30		-.64	.33	.40		.51
	5.0	-1.34	-1.29		-.64	.26	.33		.47
	7.5	-1.33	-1.27		-.64	.21	.28		.43
	10.0	-1.23	-1.20		-.64	.18	.24		.39
	15.0	-1.20	-1.04		-.61	.19	.24		.35
	16.3	-1.14	-1.02		-.60	.20	.25		.36
	20.0	-.87	-.95		-.60	.15	.19		.30
	25.0	-.53	-.86		-.59	.09	.13		.24
	30.0	-.35	-.80		-.59	.05	.09		.19
	35.0	-.29	-.74		-.58	.03	.06		.14
	40.0	-.25	-.69		-.58	0	.02		.09
	45.0	-.23	-.65		-.57	-.03	-.02		.04
	55.0	-.18	-.56		-.57	-.06	-.05		-.05
	65.0	-.12	-.45		-.55	-.04	-.06		-.12
	75.0	-.07	-.35		-.54	-.02	-.04		-.17
	85.0	-.01	-.24		-.53	.02	-.03		-.24
	90.0	.02	-.18		-.52	.04	-.02		-.28
0.95	0	.16	.03		-.31	----	----		----
	2.5	-1.26	-.81		-.57	.28	.35		-.52
	5.0	-1.25	-.83		-.59	.19	.26		-.50
	7.5	-1.19	-.81		-.59	.12	.19		-.49
	10.0	-.98	-.74		-.55	.08	.14		.01
	15.0	-.84	-.70		-.54	.02	.07		.45
	20.8	-.70	-.67		-.54	0	.04		.39
	23.4	----	----		----	-.03	.02		.33
	24.5	-.58	-.64		-.55	----	----		----
	30.0	-.47	-.59		-.54	-.04	-.03		.19
	35.0	-.39	-.55		-.54	-.06	-.05		.14
	40.0	-.34	-.52		-.54	-.07	-.07		.11
	45.0	-.30	-.49		-.54	-.08	-.08		.01
	55.0	-.26	-.44		-.54	-.08	-.09		.02
	65.0	-.23	-.41		-.54	-.05	-.09		-.04
	75.0	-.18	-.39		-.54	-.02	-.07		-.08
	85.0	-.14	-.37		-.54	.01	-.07		-.11
	90.0	----	----		----	.01	-.09		-.17

TABLE X.- WING PRESSURE COEFFICIENTS; $\delta = 4^{\circ}$, $M = 0.90$, $R = 3.2\times10^{6}$

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		-2	0	2	4	-2	0	2	4
0.154	0	0.57	0.65	0.64	0.57	----	----	----	----
	2.3	.16	.03	-1.15	-.26	-0.03	0.08	0.24	.36
	5.0	.09	0	-1.15	-.22	-.08	.03	.14	.24
	7.5	.06	-.04	-1.26	-.23	----	----	----	----
	10.0	.05	-.04	-1.18	-.21	----	----	----	----
	15.0	.02	-.07	-1.34	-.22	-.11	-.04	.04	.12
	20.0	.02	-.04	-.10	-.20	-.12	-.05	.03	.10
	25.0	.02	-.04	-.12	-.21	-.14	-.07	0	.07
	30.0	.01	-.06	-.14	-.23	-.18	-.10	-.03	.04
	35.0	-.02	-.10	-.18	-.25	-.16	-.10	-.03	.03
	40.0	-.05	-.14	-.21	-.26	-.20	-.14	-.06	0
	45.0	-.08	-.14	-.21	-.28	-.23	-.15	-.09	-.03
	55.0	-.11	-.18	-.25	-.31	-.29	-.20	-.13	-.08
	65.0	-.10	-.16	-.22	-.30	-.26	-.18	-.13	-.08
	75.0	-.13	-.19	-.25	-.35	-.21	-.16	-.11	-.08
	85.0	-.05	-.09	-.11	-.14	-.12	-.10	-.07	-.04
	95.0	-.01	-.03	-.03	-.04	-.03	-.03	-.01	0
0.25	0	.47	.55	.54	.40	----	----	----	----
	2.3	.12	-.08	-.30	-.58	----	----	----	----
	3.6	.08	-.07	-.31	-.52	----	----	----	----
	5.0	.07	-.04	-.18	-.33	-.13	0	.12	.23
	7.5	.02	-.07	-.19	-.33	-.17	-.05	.06	.16
	10.0	.01	-.08	-.20	-.30	-.18	-.07	.03	.12
	15.0	-.02	-.11	-.19	-.27	-.18	-.09	.01	.09
	20.0	-.05	-.11	-.20	-.28	-.17	-.09	-.01	.06
	25.0	-.05	-.11	-.20	-.27	-.19	-.10	-.03	.05
	30.0	-.07	-.13	-.20	-.28	-.20	-.13	-.05	.02
	35.0	-.09	-.16	-.24	-.28	-.23	-.15	-.08	-.01
	40.0	-.08	-.15	-.22	-.30	-.25	-.17	-.10	-.03
	45.0	-.10	-.17	-.24	-.33	-.28	-.20	-.13	-.05
	55.0	-.12	-.18	-.25	-.35	-.30	-.21	-.14	-.09
	65.0	-.13	-.19	-.24	-.33	-.25	-.18	-.12	-.07
	75.0	-.09	-.14	-.18	-.23	-.17	-.14	-.10	-.05
	85.0	-.05	-.08	-.10	-.12	-.09	-.07	-.05	-.03
	95.0	.02	.01	0	-.01	.01	0	0	.01
0.40	0	.41	.52	.51	.38	----	----	----	----
	2.5	.15	-.04	-.28	-.69	-.42	-.12	.09	.24
	4.6	----	----	----	----	-.25	-.03	.11	.23
	6.0	-.01	-.14	-.36	-.62	-.21	-.01	.10	.21
	7.5	-.01	-.11	-.27	-.42	-.23	-.07	.05	.16
	10.0	-.02	-.13	-.30	-.42	-.25	-.11	0	.11
	15.0	-.06	-.15	-.27	-.36	-.25	-.13	-.03	.07
	20.0	-.08	-.16	-.30	-.37	-.24	-.14	-.05	.04
	25.0	-.08	-.15	-.25	-.36	-.26	-.15	-.07	.02
	30.0	-.10	-.17	-.25	-.37	-.27	-.16	-.08	0
	35.0	-.12	-.18	-.28	-.37	-.29	-.19	-.10	-.03
	40.0	-.13	-.20	-.29	-.38	-.31	-.21	-.12	-.06
	45.0	-.16	-.23	-.31	-.41	-.35	-.23	-.15	-.08
	55.0	-.14	-.20	-.29	-.40	-.30	-.21	-.15	-.09
	65.0	-.11	-.16	-.21	-.28	-.20	-.15	-.11	-.07
	75.0	-.09	-.11	-.13	-.14	-.13	-.11	-.08	-.06
	85.0	-.03	-.04	-.04	-.04	-.05	-.03	-.02	-.01
	95.0	.04	.04	.05	.05	.04	.04	.04	.04
0.55	0	.36	.50	.50	.36	----	----	----	----
	2.5	.16	-.02	-.32	-.80	-.61	-.25	.02	.21
	5.0	.04	-.13	-.37	-.65	-.46	-.18	.02	.17
	7.4	-.09	-.26	-.52	-.66	-.38	-.08	.04	.16
	9.0	-.11	-.27	-.50	-.78	-.32	-.07	.04	.15
	10.0	-.10	-.25	-.49	-.63	-.31	-.10	.02	.12
	15.0	-.08	-.18	-.35	-.51	-.29	-.15	-.04	.06
	20.0	-.09	-.18	-.33	-.46	-.30	-.17	-.07	.03
	25.0	-.10	-.18	-.32	-.43	-.32	-.18	-.09	0
	30.0	-.11	-.18	-.30	-.41	-.33	-.19	-.10	-.02
	35.0	-.13	-.20	-.30	-.41	-.34	-.20	-.12	-.04
	40.0	-.12	-.19	-.30	-.42	----	----	----	----
	45.0	-.14	-.21	-.31	-.45	-.31	-.21	-.14	-.08
	55.0	-.15	-.20	-.27	-.38	-.25	-.19	-.14	-.08
	65.0	-.12	-.15	-.18	-.19	-.17	-.14	-.10	-.07
	75.0	-.07	-.09	-.09	-.09	-.09	-.08	-.06	-.05
	85.0	-.01	-.01	-.01	-.01	-.02	-.01	0	0
	95.0	.06	.07	.06	.07	.05	.06	.06	.05

TABLE X.- WING PRESSURE COEFFICIENTS; $\delta = 4^{\circ}$, M = 0.90, $R = 3.2 \times 10^{6}$ - Continued

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		-2	0	2	4	-2	0	2	4
0.70	2.5	0.18	-0.02	-0.37	-0.87	-0.72	-0.39	-0.05	0.18
	5.0	.07	-.12	-.40	-.80	-.62	-.31	-.04	.13
	7.5	-.01	-.18	-.42	-.71	-.54	-.16	-.02	.12
	10.0	-.08	-.23	-.47	-.68	----	----	----	----
	11.1	-.14	-.30	-.52	-.74	-.43	-.06	-.04	.14
	13.0	-.17	-.30	-.56	-.92	-.40	-.10	.01	.11
	20.0	-.08	-.19	-.34	-.53	-.33	-.16	-.06	.03
	25.0	-.07	-.16	-.30	-.46	-.31	-.17	-.07	.01
	30.0	-.08	-.16	-.28	-.44	----	-.17	-.08	0
	35.0	-.10	-.18	-.28	-.44	-.29	-.18	-.10	-.03
	40.0	-.13	-.20	-.29	-.46	-.28	-.19	-.12	-.05
	45.0	-.14	-.21	-.29	-.44	-.27	-.20	-.14	-.07
	55.0	-.15	-.19	-.23	-.20	-.20	-.17	-.14	-.10
	65.0	-.12	-.13	-.14	-.12	-.12	-.11	-.10	-.07
	75.0	-.06	-.06	-.06	-.06	-.06	-.06	-.05	-.03
	85.0	0	0	.01	.01	----	----	----	----
	90.0	.03	.04	.05	.04	.04	.04	.04	.04
0.85	0	.38	.50	.48	.30	----	----	----	----
	2.5	.19	-.01	-.42	-.99	-.82	-.52	-.09	.17
	5.0	.10	-.08	-.39	-.91	-.73	-.48	-.08	.12
	7.5	.02	-.15	-.42	-.88	-.67	-.26	-.09	.08
	10.0	-.04	-.16	-.42	-.83	-.62	-.23	-.07	.07
	15.0	-.10	-.26	-.51	-.73	-.53	-.11	-.03	.09
	16.3	-.13	-.31	-.56	-.77	-.51	-.07	-.03	.11
	20.0	-.09	-.25	-.51	-.94	-.42	-.12	0	.07
	25.0	-.09	-.19	-.31	-.53	-.33	-.17	-.07	.01
	30.0	-.10	-.19	-.29	-.45	-.27	-.17	-.10	-.02
	35.0	-.13	-.21	-.28	-.31	-.22	-.17	-.11	-.05
	40.0	-.16	-.22	-.26	-.15	-.18	-.16	-.13	-.08
	45.0	-.17	-.19	-.20	-.13	-.15	-.16	-.14	-.11
	55.0	-.14	-.15	-.16	-.14	-.12	-.13	-.13	-.10
	65.0	-.09	-.09	-.10	-.10	-.08	-.08	-.08	-.06
	75.0	-.03	-.04	-.04	-.04	-.03	-.03	-.03	-.03
	85.0	.02	.03	.03	.02	.03	.03	.02	.02
	90.0	.05	.06	.06	.05	.06	.06	.05	.05
0.95	0	.37	.48	.48	.36	----	----	----	----
	2.5	.15	-.04	-.45	-1.07	-.82	-.60	-.15	.12
	5.0	.05	-.12	-.44	-1.01	-.81	-.55	-.15	.05
	7.5	-.01	-.16	-.45	-.95	-.77	-.33	-.16	.01
	10.0	-.04	-.20	-.46	-.95	-.72	-.31	-.17	-.03
	15.0	-.14	-.28	-.46	-.88	-.63	-.25	-.17	-.08
	20.8	-.25	-.37	-.44	-.66	-.45	-.02	-.12	-.09
	23.4	----	----	----	----	-.39	-.03	-.03	-.09
	24.5	-.29	-.33	-.39	-.24	----	----	----	----
	30.0	-.16	-.13	-.10	-.10	-.20	-.06	-.04	-.08
	35.0	-.14	-.12	-.15	-.10	-.12	-.09	-.08	-.07
	40.0	-.13	-.12	-.15	-.13	-.08	-.11	-.11	-.08
	45.0	-.12	-.13	-.15	-.15	-.07	-.11	-.06	-.09
	55.0	-.10	-.10	-.13	-.15	-.07	-.10	-.06	-.08
	65.0	-.06	-.06	-.08	-.11	-.05	-.05	-.06	-.05
	75.0	-.01	-.01	-.03	-.06	-.01	-.01	-.01	-.01
	85.0	.03	.04	.03	-.02	.03	.05	.04	.03
	90.0	----	----	----	----	.04	.07	.05	.05

TABLE X.- WING PRESSURE COEFFICIENTS; $\delta = 4^{\circ}$, M = 0.90, R = 3.2×10^{6} - Continued

(b) $\alpha_u = 6^{\circ}, 8^{\circ}, 10^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		6	8	10		6	8	10	
0.154	0	0.44	0.29	0.15		----	----	----	
	2.3	-.36	-.50	-.88		0.45	0.54	0.61	
	5.0	-.35	-.44	-.54		.33	.41	.49	
	7.5	-.34	-.44	-.49		----	----	----	
	10.0	-.30	-.41	-.46		----	----	----	
	15.0	-.34	-.49	-.61		.20	.27	.33	
	20.0	-.31	-.40	-.49		.17	.24	.29	
	25.0	-.30	-.37	-.41		.14	.20	.26	
	30.0	-.28	-.33	-.41		.10	.16	.22	
	35.0	-.30	-.34	-.43		.09	.15	.20	
	40.0	-.31	-.38	-.47		.05	.11	.16	
	45.0	-.38	-.44	-.51		.03	.09	.13	
	55.0	-.35	-.40	-.46		-.01	.03	.07	
	65.0	-.41	-.49	-.56		-.02	.02	.05	
	75.0	-.50	-.57	-.61		-.03	0	.02	
	85.0	-.20	-.28	-.35		-.01	.01	.01	
	95.0	-.05	-.09	-.15		0	.01	-.01	
0.25	0	.25	.13	-.02		----	----	----	
	2.3	-1.00	-1.18	-1.23		----	----	----	
	3.6	-.76	-.96	-1.06		----	----	----	
	5.0	-.57	-.83	-1.03		.32	.39	.46	
	7.5	-.48	-.74	-1.01		.25	.32	.39	
	10.0	-.44	-.69	-.97		.21	.29	.35	
	15.0	-.39	-.57	-.88		.16	.24	.30	
	20.0	-.36	-.47	-.68		.14	.20	.25	
	25.0	-.36	-.42	-.40		.11	.16	.22	
	30.0	-.37	-.41	-.40		.09	.15	.20	
	35.0	-.39	-.43	-.45		.05	.10	.16	
	40.0	-.37	-.43	-.46		.02	.07	.12	
	45.0	-.39	-.46	-.50		0	.05	.09	
	55.0	-.44	-.51	-.58		-.03	.02	.05	
	65.0	-.46	-.57	-.64		-.03	.01	.03	
	75.0	-.35	-.47	-.54		-.03	0	.01	
	85.0	-.19	-.25	-.33		-.01	0	0	
	95.0	-.05	-.09	-.13		.01	0	-.03	
0.40	0	.23	.07	-.08		----	----	----	
	2.5	-1.12	-1.17	-1.16		.36	.44	.50	
	4.6	----	----	----		.33	.40	.54	
	6.0	-1.00	-.99	-.99		.30	.37	.57	
	7.5	-.72	-.89	-.96		.25	.32	.61	
	10.0	-.56	-.82	-.94		.21	.28	.66	
	15.0	-.51	-.73	-.89		.15	.22	.72	
	20.0	-.48	-.69	-.88		.12	.18	.76	
	25.0	-.47	-.67	-.88		.09	.15	.79	
	30.0	-.47	-.66	-.86		.07	.12	.82	
	35.0	-.47	-.65	-.86		.04	.08	.86	
	40.0	-.49	-.63	-.82		.01	.06	.89	
	45.0	-.51	-.64	-.78		-.02	.03	.93	
	55.0	-.51	-.63	-.70		-.04	0	.96	
	65.0	-.47	-.60	-.62		-.03	-.01	.98	
	75.0	-.19	-.25	-.43		-.03	-.02	-.01	
	85.0	-.05	-.10	-.25		0	-.01	-.02	
	95.0	.03	-.02	-.13		.03	-.01	-.06	
0.55	0	.20	.07	-.08		----	----	----	
	2.5	-1.18	-1.34	-1.36		.33	.41	.53	
	5.0	-1.10	-1.29	-1.32		.27	.34	.59	
	7.4	-1.08	-1.26	-1.29		.25	.32	.62	
	9.0	-1.09	-1.24	-1.24		.23	.30	.65	
	10.0	-1.06	-1.24	-1.22		.21	.27	.67	
	15.0	-.72	-1.07	-1.11		.14	.21	.73	
	20.0	-.57	-.90	-1.03		.11	.16	.77	
	25.0	-.53	-.79	-.97		.08	.14	.81	
	30.0	-.52	-.72	-.94		.06	.11	.84	
	35.0	-.54	-.68	-.92		.03	.07	.88	
	40.0	-.52	-.65	-.90		----	----	----	
	45.0	-.55	-.65	-.87		-.01	.03	.93	
	55.0	-.60	-.64	-.77		-.04	-.01	.98	
	65.0	-.29	-.33	-.62		-.04	-.02	-.01	
	75.0	-.08	-.18	-.49		-.03	-.03	-.04	
	85.0	0	-.11	-.37		.01	-.02	-.05	
	95.0	.01	-.01	-.27		.05	-.01	-.11	

TABLE X.- WING PRESSURE COEFFICIENTS; $\delta = 4^{\circ}$, M = 0.90, R = 3.2×10^{6} - Concluded

(b) $\alpha_u = 6^{\circ}, 8^{\circ}, 10^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		6	8	10		6	8	10	
0.70	2.5	-1.20	-1.36	-1.11		0.32	0.40	0.46	
	5.0	-1.15	-1.32	-1.09		.25	.32	.38	
	7.5	-1.12	-1.29	-1.09		.22	.28	.34	
	10.0	-1.09	-1.26	-1.06		----	----	----	
	11.1	-1.10	-1.28	-1.07		.23	.28	.33	
	13.0	-1.15	-1.28	-1.06		.19	.24	.29	
	20.0	-.95	-1.19	-.97		.11	.17	.22	
	25.0	-.62	-.99	-.91		.09	.13	.18	
	30.0	-.57	-.83	-.86		.07	.11	.15	
	35.0	-.56	-.73	-.82		.03	.07	.11	
	40.0	-.58	-.68	-.78		0	.04	.07	
	45.0	-.60	-.65	-.74		-.02	.01	.04	
	55.0	-.36	-.57	-.65		-.06	-.04	-.02	
	65.0	-.12	-.46	-.58		-.05	-.03	-.05	
	75.0	-.05	-.35	-.52		-.03	-.04	-.09	
	85.0	.01	-.23	-.47		----	----	----	
	90.0	.04	-.17	-.43		.03	-.02	-.16	
0.85	0	.12	-.03	-.17		----	----	----	
	2.5	-1.25	-1.06	-.83		.29	.39	.43	
	5.0	-1.20	-1.03	-.82		.22	.31	.36	
	7.5	-1.20	-1.02	-.80		.17	.27	.30	
	10.0	-1.14	-1.00	-.82		.14	.23	.26	
	15.0	-1.16	-.90	-.77		.16	.23	.25	
	16.3	-1.18	-.88	-.76		.17	.24	.26	
	20.0	-1.15	-.87	-.76		.12	.19	.20	
	25.0	-1.09	-.83	-.74		.06	.12	.14	
	30.0	-.96	-.78	-.71		.02	.08	.10	
	35.0	-.79	-.73	-.69		-.02	.04	.05	
	40.0	-.63	-.67	-.67		-.06	0	0	
	45.0	-.48	-.63	-.64		-.09	-.04	-.04	
	55.0	-.21	-.54	-.60		-.11	-.09	-.11	
	65.0	-.07	-.47	-.56		-.08	-.09	-.15	
	75.0	-.01	-.40	-.52		-.04	-.08	-.17	
	85.0	.03	-.32	-.47		.01	-.07	-.20	
	90.0	.04	-.28	-.45		.04	-.08	-.22	
0.95	0	.23	.10	.02		----	----	----	
	2.5	-1.29	-.84	-.66		.24	.34	.37	
	5.0	-1.25	-.83	-.65		.15	.24	.28	
	7.5	-1.22	-.82	-.65		.09	.18	.22	
	10.0	-1.22	-.70	-.60		.04	.13	.16	
	15.0	-1.14	-.70	-.60		-.03	.06	.08	
	20.8	-.93	-.69	-.59		-.07	.01	.03	
	23.4	----	----	----		-.10	-.02	.01	
	24.5	-.72	-.68	-.59		----	----	----	
	30.0	-.60	-.64	-.57		-.13	-.07	-.07	
	35.0	-.51	-.61	-.56		-.15	-.09	-.11	
	40.0	-.43	-.53	-.55		-.15	-.12	-.14	
	45.0	-.35	-.53	-.53		-.14	-.12	-.16	
	55.0	-.25	-.46	-.50		-.12	-.13	-.20	
	65.0	-.21	-.41	-.48		-.08	-.11	-.21	
	75.0	-.18	-.38	-.45		-.04	-.09	-.21	
	85.0	-.15	-.36	-.43		-.01	-.10	-.21	
	90.0	----	----	----		-.01	-.11	-.23	

A
3
0
0

TABLE XI.- WING PRESSURE COEFFICIENTS; $\delta = 8.5^{\circ}$, $M = 0.25$, $R = 15.0 \times 10^{6}$

(a) $\alpha_u = 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		0	2	4	6	0	2	4	6
0.154	0	0.45	0.52	0.38	0.35	----	----	----	----
	2.3	0	-.18	-.36	-.56	0.08	0.21	0.31	0.40
	5.0	-.05	-.17	-.29	-.44	-.01	.10	.20	.29
	7.5	-.06	-.17	-.26	-.38	----	----	----	----
	10.0	-.05	-.15	-.23	-.34	----	----	----	----
	15.0	-.06	-.15	-.23	-.34	-.07	.01	.09	.16
	20.0	-.05	-.12	-.19	-.28	-.07	.01	.07	.13
	25.0	-.05	-.11	-.18	-.26	-.08	-.01	.05	.11
	30.0	-.05	-.11	-.18	-.25	-.09	-.02	.03	.09
	35.0	-.08	-.14	-.20	-.27	-.09	-.03	.02	.07
	40.0	-.10	-.15	-.21	-.26	-.10	-.05	0	.05
	45.0	-.10	-.15	-.20	-.25	-.11	-.06	-.01	.03
	55.0	-.11	-.15	-.19	-.22	-.12	-.08	-.04	0
	65.0	-.09	-.11	-.15	-.18	-.11	-.07	-.04	0
	75.0	-.09	-.11	-.14	-.16	-.09	-.06	-.03	-.01
	85.0	-.05	-.05	-.08	-.09	-.05	-.02	-.01	.01
	95.0	.01	0	0	-.01	-.01	.01	.01	.03
0.25	0	0.43	0.46	0.28	-0.22	----	----	----	----
	2.3	-.09	-.35	-.65	-1.04	----	----	----	----
	3.6	-.05	-.23	-.41	-.67	----	----	----	----
	5.0	-.06	-.21	-.36	-.56	-.02	.10	.20	.31
	7.5	-.07	-.20	-.33	-.48	-.04	.05	.15	.30
	10.0	-.08	-.20	-.30	-.43	-.06	.02	.11	.19
	15.0	-.09	-.18	-.26	-.37	-.09	.01	.08	.15
	20.0	-.09	-.17	-.24	-.33	-.09	0	.06	.12
	25.0	-.09	-.16	-.22	-.30	-.09	-.02	.04	.09
	30.0	-.10	-.16	-.21	-.28	-.10	-.04	.02	.07
	35.0	-.11	-.17	-.21	-.27	-.07	-.01	.02	.09
	40.0	-.10	-.14	-.19	-.24	-.11	-.06	-.01	.03
	45.0	-.11	-.15	-.19	-.24	-.12	-.07	-.03	.02
	55.0	-.11	-.15	-.18	-.21	-.12	-.08	-.04	0
	65.0	-.09	-.11	-.15	-.17	-.09	-.06	-.03	0
	75.0	-.07	-.09	-.11	-.13	-.07	-.04	-.01	.01
	85.0	-.03	-.05	-.06	-.08	-.03	-.01	0	.02
	95.0	.02	.01	.01	0	.02	.02	.03	.04
0.40	0	0.37	0.47	0.32	-0.23	----	----	----	----
	2.5	.04	-.18	-.47	-.85	-0.13	0.04	0.21	0.35
	4.6	----	----	----	----	-.01	.14	.22	.33
	6.0	-.10	-.29	-.47	-.71	.03	.14	.24	.32
	7.5	-.10	-.27	-.41	-.60	-.06	.06	.16	.26
	10.0	-.10	-.23	-.36	-.53	-.09	.02	.12	.21
	15.0	-.11	-.22	-.32	-.44	-.10	-.01	.07	.16
	20.0	-.11	-.20	-.28	-.39	-.10	-.02	.05	.13
	25.0	-.10	-.18	-.24	-.33	-.10	-.03	.04	.10
	30.0	-.10	-.17	-.23	-.31	-.08	-.02	.04	.10
	35.0	-.11	-.18	-.22	-.28	-.12	-.06	-.01	.05
	40.0	-.11	-.17	-.22	-.27	-.11	-.06	-.01	.04
	45.0	-.12	-.17	-.22	-.28	-.13	-.08	-.04	.01
	55.0	-.11	-.14	-.18	-.21	-.12	-.08	-.04	0
	65.0	-.09	-.11	-.14	-.16	-.09	-.06	-.03	.01
	75.0	-.05	-.08	-.09	-.11	-.06	-.04	-.02	.01
	85.0	-.02	-.03	-.04	-.05	-.02	0	.01	.03
	95.0	.03	.03	.02	.02	.03	.03	.04	.05
0.55	0	0.32	0.48	0.35	-0.16	----	----	----	----
	2.5	.09	-.18	-.44	-.85	-0.27	-0.05	0.15	0.33
	5.0	-.03	-.23	-.46	-.78	-.12	.04	.15	.28
	7.4	-.20	-.42	-.63	-.93	-.01	.11	.18	.29
	9.0	-.18	-.35	-.52	-.75	0	.10	.20	.27
	10.0	-.15	-.31	-.45	-.64	-.04	.06	.16	.24
	15.0	-.13	-.25	-.36	-.81	-.09	0	.09	.17
	20.0	-.11	-.21	-.29	-.41	-.10	-.02	.06	.13
	25.0	-.11	-.19	-.26	-.35	-.10	.03	.04	.11
	30.0	-.10	-.18	-.24	-.31	-.11	.04	.02	.08
	35.0	-.11	-.17	-.21	-.30	-.11	.05	0	.06
	40.0	-.11	-.16	-.21	-.26	----	----	----	----
	45.0	-.12	-.16	-.21	-.25	-.12	-.07	-.02	.03
	55.0	-.11	-.14	-.18	-.21	-.10	-.07	-.03	.01
	65.0	-.08	-.11	-.14	-.16	-.08	-.05	-.02	.01
	75.0	-.05	-.07	-.08	-.10	-.04	-.02	0	.03
	85.0	-.01	-.02	-.03	-.04	0	.01	.02	.04
	95.0	.04	.03	----	.03	.03	.04	.04	.05

TABLE XI.- WING PRESSURE COEFFICIENTS; $\delta = 8.5^{\circ}$, $M = 0.25$, $R = 15.0 \times 10^{6}$ - Continued

(a) $\alpha_u = 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		0	2	4	6	0	2	4	6
0.70	2.5	0.13	-0.15	-0.44	-0.87	-0.41	-0.14	0.11	0.31
	5.0	.02	-.18	-.41	-.72	-.23	-.05	.10	.24
	7.5	-.04	-.22	-.43	-.68	-.14	0	.11	.23
	10.0	-.12	-.32	-.48	-.74	----	----	----	----
	11.1	-.18	-.37	-.52	-.77	.01	.11	.20	.26
	13.0	-.20	-.36	-.50	-.69	.01	.10	.19	.24
	20.0	-.13	-.22	-.33	-.43	-.08	0	.07	.14
	25.0	-.11	-.18	-.27	-.35	-.09	-.02	.05	.11
	30.0	-.10	-.17	-.24	-.31	-.09	-.02	.04	.10
	35.0	-.11	-.16	-.22	-.28	-.10	-.04	.01	.07
	40.0	-.11	-.16	-.22	-.27	-.10	-.05	0	.05
	45.0	-.12	-.16	-.21	-.25	-.11	-.06	-.02	.03
	55.0	-.11	-.15	-.18	-.21	-.10	-.07	-.03	.01
	65.0	-.08	-.11	-.13	-.16	-.07	-.04	----	.01
	75.0	-.05	-.06	-.08	-.09	-.04	-.02	----	.02
	85.0	-.01	-.02	-.03	-.03	----	----	----	----
	90.0	.02	.01	0	0	.02	.03	----	.05
0.85	0	0.29	0.49		-0.08	----	----		----
	2.5	.16	-.11		-.85	-0.50	-0.20		0.26
	5.0	.09	-.15		-.65	-.30	-.09		.20
	7.5	0	-.20		-.61	-.24	-.08		.16
	10.0	-.04	-.22		-.59	-.16	-.04		.17
	15.0	-.15	-.28		-.59	-.03	.05		.19
	16.3	-.19	-.33		-.63	.01	.08		.21
	20.0	-.19	-.29		-.53	.02	.07		.18
	25.0	-.13	-.21		-.38	-.05	.01		.12
	30.0	-.11	-.17		-.31	-.06	-.01		.08
	35.0	-.11	-.16		-.28	-.07	-.02		.06
	40.0	-.11	-.15		-.25	-.07	-.04		.04
	45.0	-.12	-.16		-.24	-.08	-.05		.02
	55.0	-.10	-.13		-.19	-.08	-.06		-.01
	65.0	-.07	-.09		-.14	-.05	-.04		0
	75.0	-.04	-.05		-.08	-.02	-.02		.01
	85.0	.01	0		-.03	.01	.02		.03
	90.0	.03	.02		0	.03	.04		.04
0.95	0	0.26	0.46		0.13	----	----		----
	2.5	.15	-.09		-.75	-0.56	-0.27		0.18
	5.0	.07	-.11		-.58	-.37	-.18		.12
	7.5	.02	-.15		-.54	-.27	-.14		.10
	10.0	-.03	-.16		-.45	-.20	-.10		.08
	15.0	-.10	-.20		-.42	-.08	-.02		.08
	20.8	-.19	-.28		-.47	.05	.08		.12
	23.4	----	----		----	.09	.12		.15
	24.5	-.20	-.27		-.42	----	----		----
	30.0	-.14	-.18		-.29	0	.02		.05
	35.0	-.11	-.14		-.24	-.03	-.01		.02
	40.0	-.10	-.13		-.22	-.04	-.02		0
	45.0	-.10	-.12		-.21	-.05	-.05		-.02
	55.0	-.08	-.10		-.18	-.06	-.05		-.03
	65.0	-.05	-.07		-.14	-.04	-.04		-.03
	75.0	-.02	-.03		-.11	-.01	-.01		-.01
	85.0	.01	0		-.07	.02	.02		.01
	90.0	----	----		----	.04	.03		.02

TABLE XI.- WING PRESSURE COEFFICIENTS; $\delta = 8.5^{\circ}$, M = 0.25, R = 15.0×10^{6} - Continued

(b) $\alpha_u = 12^{\circ}, 16^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		12	16			12	16		
0.154	0	-2.09	-4.04			----	----		
	2.3	-1.24	-2.86			0.60	0.68		
	5.0	-.89	-1.99			.51	.60		
	7.5	-.74	-1.45			----	----		
	10.0	-.73	-.98			----	----		
	15.0	-.68	-.74			.34	.44		
	20.0	-.52	-.65			.30	.40		
	25.0	-.43	-.50			.28	.38		
	30.0	-.38	-.43			.25	.35		
	35.0	-.38	-.42			.22	.31		
	40.0	-.39	-.43			.20	.29		
	45.0	-.36	-.41			.17	.26		
	55.0	-.30	-.31			.13	.21		
	65.0	-.23	-.27			.10	.16		
	75.0	-.21	-.25			.08	.13		
	85.0	-.10	-.15			.08	.11		
	95.0	-.02	-.06			.07	.08		
0.25	0	-3.21	-4.39			----	----		
	2.3	-2.24	-2.46			----	----		
	3.6	-1.36	-2.49			----	----		
	5.0	-1.15	-2.42			0.50	0.59		
	7.5	-.91	-2.23			.45	.56		
	10.0	-.76	-2.00			.40	.52		
	15.0	-.59	-1.60			.35	.46		
	20.0	-.51	-1.13			.31	.41		
	25.0	-.45	-.70			.26	.36		
	30.0	-.42	-.46			.24	.34		
	35.0	-.41	-.38			.23	.32		
	40.0	-.37	-.33			.18	.26		
	45.0	-.36	-.34			.15	.23		
	55.0	-.31	-.31			.12	.19		
	65.0	-.26	-.28			.10	.16		
	75.0	-.20	-.22			.09	.12		
	85.0	-.13	-.15			.08	.09		
	95.0	-.03	-.05			.06	.05		
0.40	0	-3.98	-4.49			----	----		
	2.5	-2.16	-2.00			0.52	0.56		
	4.6	----	----			.50	.57		
	6.0	-1.36	-1.87			.48	.56		
	7.5	-1.14	-1.86			.45	.54		
	10.0	-.97	-1.84			.41	.51		
	15.0	-.75	-1.81			.35	.45		
	20.0	-.63	-1.78			.31	.41		
	25.0	-.54	-1.67			.27	.36		
	30.0	-.47	-1.48			.26	.34		
	35.0	-.43	-1.21			.20	.28		
	40.0	-.39	-.85			.19	.26		
	45.0	-.36	-.57			.15	.21		
	55.0	-.29	-.30			.11	.16		
	65.0	-.21	-.25			.10	.13		
	75.0	-.14	-.21			.08	.10		
	85.0	-.06	-.15			.08	.08		
	95.0	.01	-.05			.05	.04		
0.55	0	-4.01	-2.81			----	----		
	2.5	-2.31	-1.32			0.51	0.55		
	5.0	-1.75	-1.29			.48	.55		
	7.4	-1.76	-1.25			.46	.52		
	9.0	-1.34	-1.25			.44	.51		
	10.0	-1.20	-1.24			.42	.49		
	15.0	-.88	-1.22			.36	.43		
	20.0	-.70	-1.20			.32	.39		
	25.0	-.59	-1.19			.28	.34		
	30.0	-.51	-1.15			.24	.30		
	35.0	-.47	-1.09			.21	.26		
	40.0	-.41	-1.01			----	----		
	45.0	-.38	-.96			.15	.19		
	55.0	-.30	-.84			.12	.15		
	65.0	-.22	-.70			.10	.10		
	75.0	-.13	-.58			.09	.07		
	85.0	-.05	-.46			.08	.03		
	95.0	.03	-.33			.06	-.08		

A
3
8
0

TABLE XI.- WING PRESSURE COEFFICIENTS; $\delta = 8.5^{\circ}$, M = 0.25, R = 15.0×10^{6} - Concluded

(b) $\alpha_u = 12^{\circ}, 16^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		12	16			12	16		
0.70	2.5	-2.42	-0.88			0.50	0.53		
	5.0	-1.77	-.84			.48	.51		
	7.5	-1.51	-.83			.45	.48		
	10.0	-1.43	-.81			----	----		
	11.1	-1.44	-.80			.42	.45		
	13.0	-1.20	-.79			.40	.44		
	20.0	-.78	-.75			.32	.35		
	25.0	-.63	-.73			.28	.31		
	30.0	-.54	-.71			.25	.27		
	35.0	-.48	-.69			.21	.24		
	40.0	-.43	-.68			.18	.20		
	45.0	-.39	-.67			.15	.16		
	55.0	-.31	-.64			.11	.10		
	65.0	-.22	-.60			----	----		
	75.0	-.14	-.56			----	----		
	85.0	-.06	-.51			----	----		
	90.0	-.02	-.49			----	----		
0.85	0	-3.98	-1.81			----	----		
	2.5	-2.56	-.68			0.49	0.50		
	5.0	-1.69	-.64			.47	.47		
	7.5	-1.42	-.61			.42	.43		
	10.0	-1.26	-.61			.38	.39		
	15.0	-1.13	-.58			.34	.36		
	16.3	-1.16	-.57			.34	.35		
	20.0	-.90	-.55			.31	.32		
	25.0	-.67	-.54			.25	.26		
	30.0	-.55	-.53			.21	.22		
	35.0	-.48	-.51			.17	.18		
	40.0	-.43	-.50			.14	.14		
	45.0	-.39	-.48			.11	.11		
	55.0	-.31	-.46			.06	.04		
	65.0	-.24	-.43			.05	0		
	75.0	-.17	-.41			.04	-.04		
	85.0	-.10	-.39			.04	-.10		
	90.0	-.06	-.38			.04	-.13		
0.95	0	-2.49	-1.11			----	----		
	2.5	-2.20	-.64			0.46	0.44		
	5.0	-1.52	-.61			.39	.38		
	7.5	-1.27	-.58			.33	.32		
	10.0	-1.03	-.56			.26	.27		
	15.0	-.84	-.53			.18	.20		
	20.8	-.85	-.50			.15	.17		
	23.4	----	----			.15	.17		
	24.5	-.73	-.47			-----	----		
	30.0	-.55	-.45			.06	.09		
	35.0	-.48	-.43			.03	.06		
	40.0	-.46	-.41			.02	.05		
	45.0	-.44	-.40			-.01	.03		
	55.0	-.41	-.37			-.02	-.01		
	65.0	-.36	-.34			-.03	-.04		
	75.0	-.33	-.33			-.02	-.06		
	85.0	-.30	-.31			-.02	-.10		
	90.0	----	----			-.02	-.12		

A
3
0
0

TABLE XII.- WING PRESSURE COEFFICIENTS; $\delta = 8.5^{\circ}$, $M = 0.60$, $R = 3.2 \times 10^{6}$

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.154	0	0.20	0.47	0.55	0.47	0.24	----	----	----	----	----
	2.3	.08	-.06	-.16	-.38	-.56	-0.06	0.09	0.21	0.32	0.41
	5.0	.04	-.08	-.16	-.31	-.45	-.15	-.03	.09	.19	.29
	7.5	.02	-.10	-.16	-.29	-.42	----	----	----	----	----
	10.0	-.02	-.08	-.14	-.28	-.38	----	----	----	----	----
	15.0	-.03	-.12	-.16	-.28	-.35	-.16	-.08	.01	.09	.16
	20.0	-.01	-.08	-.14	-.22	-.30	-.16	-.08	0	.07	.13
	25.0	-.01	-.08	-.13	-.20	-.27	-.17	-.10	-.02	.05	.10
	30.0	-.01	-.09	-.14	-.22	-.28	-.18	-.11	-.04	.02	.08
	35.0	-.04	-.12	-.17	-.24	-.29	-.17	-.11	-.04	.01	.06
	40.0	-.07	-.14	-.19	-.25	-.30	-.19	-.13	-.07	-.02	.03
	45.0	-.07	-.13	-.18	-.23	-.27	-.19	-.14	-.08	-.03	.02
	55.0	-.10	-.15	-.18	-.23	-.26	-.20	-.16	-.10	-.06	-.02
	65.0	-.09	-.13	-.15	-.18	-.21	-.17	-.13	-.09	-.05	-.02
	75.0	-.09	-.13	-.14	-.17	-.19	-.14	-.11	-.08	-.05	-.02
	85.0	-.05	-.07	-.08	-.10	-.11	-.09	-.08	-.05	-.03	-.01
	95.0	-.02	-.03	-.03	-.04	-.05	-.04	-.04	-.02	-.01	.01
0.25	0	0.18	0.43	0.46	0.38	0.01	----	----	----	----	----
	2.3	.11	-.10	-.32	-.66	-1.04	----	----	----	----	----
	3.6	.02	-.11	-.20	-.42	-.66	----	----	----	----	----
	5.0	-.03	-.11	-.20	-.39	-.57	-0.14	-0.02	0.10	0.21	0.30
	7.5	-.03	-.13	-.21	-.35	-.51	-.19	-.08	.04	.13	.22
	10.0	-.04	-.15	-.21	-.32	-.46	-.20	-.10	.01	.10	.19
	15.0	-.07	-.14	-.19	-.30	-.39	-.19	-.10	-.01	.07	.14
	20.0	-.07	-.15	-.19	-.30	-.34	-.18	-.11	-.02	.04	.11
	25.0	-.09	-.15	-.21	-.27	-.34	-.18	-.11	-.04	.02	.08
	30.0	-.10	-.15	-.19	-.25	-.32	-.18	-.12	-.06	.01	.06
	35.0	-.12	-.18	-.20	-.25	-.31	-.18	-.12	-.06	0	.05
	40.0	-.07	-.13	-.18	-.23	-.28	-.19	-.15	-.08	-.03	.02
	45.0	-.09	-.14	-.18	-.24	-.28	-.19	-.15	-.10	-.05	0
	55.0	-.10	-.15	-.18	-.22	-.26	-.18	-.15	-.10	-.06	-.03
	65.0	-.08	-.13	-.15	-.19	-.22	-.15	-.12	-.08	-.05	-.02
	75.0	-.06	-.10	-.11	-.14	-.16	-.12	-.10	-.07	-.04	-.02
	85.0	-.03	-.06	-.06	-.09	-.10	-.06	-.06	-.04	-.02	0
	95.0	.01	0	0	-.01	-.02	0	0	0	.01	.02
0.40	0	-0.01	0.36	0.45	0.36	0.02	----	----	----	----	----
	2.5	.02	0	-.20	-.58	-.89	-0.42	-0.16	0.05	0.21	0.34
	4.6	----	----	----	----	----	-.39	-.01	.08	.23	.33
	6.0	-.03	-.15	-.27	-.49	-.72	-.35	.02	.18	.24	.33
	7.5	-.03	-.16	-.29	-.45	-.60	-.32	-.06	.07	.17	.26
	10.0	-.06	-.17	-.27	-.42	-.57	-.26	-.10	.01	.12	.21
	15.0	-.08	-.17	-.26	-.37	-.48	-.22	-.12	-.02	.07	.15
	20.0	-.10	-.18	-.22	-.34	-.43	-.20	-.12	-.04	.05	.12
	25.0	-.09	-.17	-.20	-.29	-.38	-.20	-.12	-.05	.03	.10
	30.0	-.09	-.17	-.20	-.28	-.35	-.19	-.12	-.05	.02	.08
	35.0	-.10	-.17	-.20	-.27	-.34	-.20	-.14	-.07	-.01	.04
	40.0	-.13	-.17	-.20	-.27	-.31	-.20	-.14	-.09	-.03	.03
	45.0	-.14	-.18	-.21	-.26	-.31	-.21	-.16	-.11	-.05	0
	55.0	-.10	-.15	-.18	-.22	-.26	-.18	-.15	-.10	-.06	-.02
	65.0	-.08	-.12	-.14	-.17	-.20	-.14	-.11	-.08	-.04	-.01
	75.0	-.05	-.08	-.10	-.12	-.14	-.10	-.08	-.06	-.03	-.01
	85.0	-.02	-.04	-.05	-.06	-.06	-.04	-.03	-.02	0	.02
	95.0	.03	.02	.02	.02	.02	.01	.02	.02	.03	.04
0.55	0	0.03	0.36	0.49	0.40	0.01	----	----	----	----	----
	2.5	.19	.04	-.17	-.55	-.80	-0.01	-0.29	-0.05	0.16	0.32
	5.0	.06	-.09	-.29	-.56	-.83	-.61	-.15	0	.16	.27
	7.4	-.10	-.29	-.48	-.76	-1.04	-.54	-.03	.04	.18	.28
	9.0	-.09	-.22	-.39	-.66	-.83	-.46	-.01	.11	.19	.27
	10.0	-.08	-.19	-.31	-.49	-.74	-.39	-.05	.06	.15	.24
	15.0	-.10	-.21	-.28	-.44	-.56	-.35	-.11	-.01	.07	.16
	20.0	-.08	-.17	-.27	-.37	-.47	-.23	-.12	-.04	.04	.12
	25.0	-.08	-.17	-.22	-.32	-.40	-.21	-.13	-.06	.02	.09
	30.0	-.10	-.17	-.21	-.30	-.38	-.20	-.13	-.07	0	.07
	35.0	-.11	-.17	-.21	-.30	-.34	-.20	-.14	-.08	-.02	.05
	40.0	.01	-.15	-.21	-.26	-.32	----	----	----	----	----
	45.0	-.09	-.16	-.21	-.25	-.30	.01	-.15	-.10	-.04	.01
	55.0	-.10	-.15	-.19	-.22	-.25	-.19	-.14	-.10	-.06	-.01
	65.0	-.10	-.12	-.15	-.17	-.19	-.17	-.11	-.08	-.05	-.01
	75.0	-.09	-.08	-.10	-.11	-.12	-.13	-.07	-.05	-.03	0
	85.0	-.05	-.03	-.04	-.05	-.05	-.08	-.02	-.02	0	.02
	95.0	.02	.03	.03	.02	.02	-.03	.02	.02	.03	.04

TABLE XII.- WING PRESSURE COEFFICIENTS; $\delta = 8.5^{\circ}$, M = 0.60, R = 3.2×10^{6} - Continued

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.70	2.5	0.22	0.07	-0.15	-0.53	-0.92	-0.59	-0.53	-0.16	0.11	0.30
	5.0	.16	-.05	-.21	-.54	-.79	-.53	-.26	-.07	.10	.24
	7.5	.03	-.12	-.26	-.54	-.77	-.50	-.16	-.05	.11	.22
	10.0	-.07	-.21	-.36	-.60	-.82	----	----	----	----	----
	11.1	-.12	-.25	-.40	-.67	-.86	-.44	-.02	.01	.13	.24
	13.0	-.14	-.33	-.55	-.78	-.79	-.40	-.01	.01	.17	.25
	20.0	-.07	-.17	-.29	-.38	-.51	-.26	-.10	-.02	.06	.14
	25.0	-.06	-.14	-.23	-.32	-.42	-.22	-.12	-.04	.04	.11
	30.0	-.07	-.14	-.21	-.30	-.37	-.19	-.12	-.05	.02	.09
	35.0	-.08	-.14	-.21	-.30	-.34	-.18	-.12	-.07	0	.05
	40.0	-.10	-.15	-.21	-.26	-.32	-.18	-.13	-.08	-.02	.03
	45.0	-.11	-.16	-.21	-.26	-.30	-.18	-.14	-.10	-.04	.01
	55.0	-.11	-.15	-.19	-.22	-.25	-.16	-.13	-.10	-.06	-.02
	65.0	-.09	-.12	-.14	-.16	-.18	-.10	-.08	-.06	-.03	-.01
	75.0	-.06	-.08	-.09	-.10	-.11	-.07	-.05	-.04	-.02	0
	85.0	-.02	-.03	-.04	-.04	-.05	----	----	----	----	----
	90.0	0	0	-.01	-.01	-.01	.01	.02	.02	.02	.03
0.85	0	0.06	0.31	0.45	0.40	-0.01	----	----	----	----	----
	2.5	.28	.11	-.14	-.50	-1.21	-0.70	-0.59	-0.22	0.06	0.27
	5.0	.16	.01	-.17	-.43	-.72	-.67	-.33	-.15	.05	.21
	7.5	.05	-.07	-.21	-.46	-.72	-.65	-.27	-.12	.04	.17
	10.0	.02	-.12	-.24	-.46	-.69	-.64	-.18	-.08	.06	.16
	15.0	-.06	-.19	-.35	-.53	-.70	-.57	-.05	.01	.09	.18
	16.3	-.10	-.25	-.39	-.57	-.73	-.53	-.02	.10	.10	.19
	20.0	-.11	-.21	-.31	-.44	-.60	-.42	-.01	.07	.14	.19
	25.0	-.08	-.16	-.24	-.34	-.44	-.23	-.06	0	.06	.11
	30.0	-.08	-.14	-.21	-.29	-.37	-.12	-.07	-.02	.03	.08
	35.0	-.09	-.14	-.20	-.26	-.33	-.08	-.08	-.04	0	.05
	40.0	-.10	-.14	-.19	-.24	-.29	-.08	-.09	-.06	-.02	.02
	45.0	-.11	-.15	-.19	-.23	-.27	-.09	-.10	-.07	-.04	0
	55.0	-.10	-.13	-.16	-.19	-.22	-.09	-.10	-.07	-.06	-.03
	65.0	-.08	-.09	-.11	-.14	-.16	-.07	-.07	-.06	-.04	-.03
	75.0	-.05	-.05	-.06	-.08	-.10	-.04	-.04	-.03	-.02	-.02
	85.0	-.01	0	-.01	-.02	-.04	0	.01	.01	.01	.01
	90.0	.01	.02	.02	0	-.01	.02	.03	.03	.03	.02
0.95	0	0.16	0.26	0.45	0.48	0.17	----	----	----	----	----
	2.5	.24	.10	-.10	-.48	-.98	-0.56	-0.72	-0.32	-0.02	0.20
	5.0	.07	-.03	-.13	-.42	-.65	-.54	-.40	-.22	-.03	.13
	7.5	.05	-.06	-.19	-.41	-.60	-.51	-.30	-.17	-.03	.08
	10.0	.02	-.08	-.22	-.39	-.55	-.50	-.23	-.13	-.03	.06
	15.0	-.07	-.15	-.25	-.37	-.49	-.46	-.10	-.03	0	.06
	20.8	-.17	-.25	-.34	-.45	-.55	-.35	.03	.08	.09	.07
	23.4	----	----	----	----	----	-.30	.05	.09	.12	.08
	24.5	-.24	-.33	-.42	-.52	-.48	----	----	----	----	----
	30.0	-.13	-.15	-.19	-.25	-.33	-.20	-.01	.01	.02	.03
	35.0	-.11	-.13	-.16	-.21	-.28	-.15	-.04	-.02	-.02	0
	40.0	-.11	-.12	-.15	-.19	-.26	-.12	-.06	-.04	-.03	-.03
	45.0	-.11	-.12	-.14	-.19	-.24	-.11	-.07	-.06	-.06	-.05
	55.0	-.09	-.10	-.12	-.16	-.21	-.10	-.08	-.07	-.06	-.06
	65.0	-.07	-.07	-.09	-.12	-.18	-.08	-.05	-.05	-.05	-.06
	75.0	-.04	-.03	-.05	-.09	-.14	-.05	-.02	-.02	-.03	-.03
	85.0	-.01	.01	-.01	-.04	-.10	-.02	.01	.01	0	-.01
	90.0	----	----	----	----	----	0	.03	.03	.01	0

TABLE XII.- WING PRESSURE COEFFICIENTS; $\delta = 8.5^{\circ}$, $M = 0.60$, $R = 3.2 \times 10^{6}$ - Continued

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}, 20^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16	20	8	12	16	20
0.154	0	-0.12	-0.75	-1.26	-1.00	----	----	----	----
	2.3	-.78	-1.67	-2.96	-1.21	0.49	0.62	0.69	0.70
	5.0	-.59	-1.20	-2.37	-1.18	.37	.52	.59	.62
	7.5	-.55	-.82	-1.21	-1.16	----	----	----	----
	10.0	-.48	-.75	-.97	-1.12	----	----	----	----
	15.0	-.43	-.69	-.83	-1.09	.22	.35	.44	.50
	20.0	-.40	-.57	-.68	-1.02	.20	.32	.40	.47
	25.0	-.36	-.53	-.63	-.98	.16	.28	.37	.43
	30.0	-.35	-.46	-.54	-.90	.13	.25	.34	.40
	35.0	-.36	-.46	-.52	-.82	.12	.23	.31	.37
	40.0	-.35	-.41	-.52	-.76	.09	.20	.28	.34
	45.0	-.32	-.39	-.48	-.71	.07	.17	.25	.30
	55.0	-.30	-.35	-.41	-.63	.03	.12	.19	.23
	65.0	-.24	-.28	-.37	-.59	.01	.09	.14	.18
	75.0	-.21	-.26	-.39	-.57	.01	.06	.11	.12
	85.0	-.13	-.16	-.26	-.53	.02	.05	.07	.05
	95.0	-.05	-.08	-.15	-.42	.02	.02	.02	-.06
0.25	0	-0.40	-1.01	-1.67	-1.15	----	----	----	----
	2.3	-1.34	-1.90	-1.99	-1.02	----	----	----	----
	3.6	-.99	-1.91	-2.07	-1.06	----	----	----	----
	5.0	-.82	-1.92	-2.18	-1.06	0.38	0.52	0.60	0.65
	7.5	-.67	-1.94	-2.35	-1.07	.31	.46	.56	.61
	10.0	-.60	-1.87	-2.34	-1.08	.27	.41	.51	.57
	15.0	-.48	-1.26	-2.09	-1.12	.22	.36	.45	.50
	20.0	-.43	-.35	-1.53	-1.10	.18	.31	.41	.46
	25.0	-.39	-.38	-.95	-1.09	.15	.27	.36	.42
	30.0	-.37	-.39	-.63	-1.05	.12	.24	.33	.38
	35.0	-.36	-.39	-.54	-1.03	.10	.22	.30	.35
	40.0	-.34	-.36	-.48	-.92	.07	.18	.26	.30
	45.0	-.32	-.35	-.47	-.89	.05	.15	.22	.26
	55.0	-.30	-.32	-.45	-.83	.02	.11	.17	.20
	65.0	-.25	-.28	-.41	-.79	.02	.09	.13	.14
	75.0	-.19	-.22	-.36	-.73	.02	.07	.10	.08
	85.0	-.12	-.15	-.27	-.66	.02	.06	.06	0
	95.0	-.05	-.06	-.16	-.56	.03	.03	0	-.15
0.40	0	-0.47	-0.96	-1.32	-1.07	----	----	----	----
	2.5	-1.45	-1.46	-1.36	-.92	0.43	0.54	0.60	0.61
	4.6	----	----	----	----	.40	.51	.58	.60
	6.0	-.96	-1.46	-1.37	-.97	.39	.49	.56	.59
	7.5	-.84	-1.48	-1.37	-.95	.34	.45	.53	.57
	10.0	-.72	-1.51	-1.39	-.95	.29	.41	.50	.54
	15.0	-.58	-1.54	-1.40	-.93	.23	.34	.43	.49
	20.0	-.51	-1.56	-1.40	-.93	.19	.30	.38	.44
	25.0	-.45	-1.51	-1.38	-.92	.16	.26	.34	.39
	30.0	-.40	-1.31	-1.29	-.91	.14	.23	.31	.36
	35.0	-.39	-.94	-1.21	-.92	.10	.19	.26	.31
	40.0	-.36	-.44	-1.10	-.92	.08	.16	.23	.27
	45.0	-.36	-.22	-1.04	-.90	.05	.13	.19	.23
	55.0	-.30	-.19	-.85	-.81	.03	.09	.13	.16
	65.0	-.23	-.21	-.70	-.77	.03	.07	.10	.10
	75.0	-.16	-.17	-.58	-.74	.02	.04	.05	.02
	85.0	-.08	-.12	-.47	-.71	.03	.04	0	-.07
	95.0	.01	-.04	-.33	-.67	.03	.02	-.10	-.29
0.55	0	-0.41	-0.67	-0.90	-0.96	----	----	----	----
	2.5	-1.84	-1.11	-.95	-.85	0.41	0.52	0.57	0.56
	5.0	-1.47	-1.08	-.92	-.86	.35	.46	.54	.55
	7.4	-1.16	-1.07	-.93	-.85	.34	.44	.51	.53
	9.0	-.99	-1.06	-.93	-.86	.33	.43	.49	.52
	10.0	-.91	-1.06	-.92	-.85	.30	.41	.47	.50
	15.0	-.70	-1.05	-.92	-.83	.23	.34	.41	.45
	20.0	-.58	-1.05	-.90	-.84	.19	.29	.37	.40
	25.0	-.51	-1.07	-.88	-.82	.15	.25	.32	.36
	30.0	-.43	-1.04	-.88	-.81	.13	.21	.28	.31
	35.0	-.41	-1.01	-.86	-.81	.10	.18	.24	.27
	40.0	-.38	-.94	-.82	-.75	----	----	----	----
	45.0	-.35	-.89	-.81	-.74	.05	.12	.17	.19
	55.0	-.29	-.78	-.78	-.72	.03	.07	.11	.11
	65.0	-.22	-.65	-.73	-.71	.02	.05	.06	.04
	75.0	-.14	-.53	-.67	-.69	.02	.03	.01	-.04
	85.0	-.07	-.41	-.61	-.66	.03	0	-.07	-.13
	95.0	.01	-.28	-.54	-.63	.03	-.05	-.24	-.33

TABLE XII.- WING PRESSURE COEFFICIENTS; $\delta = 8.5^{\circ}$, $M = 0.60$, $R = 3.2 \times 10^{6}$ - Concluded

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}, 20^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16	20	8	12	16	20
0.70	2.5	-1.52	-0.76	-0.76	-0.73	0.40	0.49	0.52	0.53
	5.0	-1.30	-.77	-.77	-.74	.33	.42	.48	.51
	7.5	-1.10	-.75	-.77	-.74	.30	.39	.44	.48
	10.0	-1.00	-.73	-.76	-.74	----	----	----	----
	11.1	-1.01	-.74	-.73	-.74	.30	.38	.43	.46
	13.0	-.91	-.73	-.74	-.74	.31	.38	.41	.44
	20.0	-.65	-.67	-.72	-.69	.20	.27	.32	.36
	25.0	-.54	-.65	-.70	-.68	.16	.23	.29	.32
	30.0	-.47	-.64	-.69	-.67	.13	.19	.25	.28
	35.0	-.42	-.63	-.68	-.66	.10	.15	.20	.23
	40.0	-.39	-.61	-.66	-.66	.07	.12	.16	.19
	45.0	-.35	-.61	-.65	-.65	.04	.09	.12	.14
	55.0	-.30	-.59	-.63	-.64	.01	.03	.05	.06
	65.0	-.21	-.57	-.61	-.63	.02	0	.02	0
	75.0	-.13	-.53	-.58	-.61	.01	-.04	-.05	-.08
	85.0	-.07	-.49	-.56	-.60	----	----	----	----
	90.0	-.03	-.47	-.54	-.58	.02	-.14	-.18	-.23
0.85	0	-0.42	-0.25	-0.59	-0.72	----	----	----	----
	2.5	-1.59	-.56	-.65	-.63	0.38	0.43	0.49	0.49
	5.0	-1.40	-.55	-.64	-.63	.31	.37	.44	.47
	7.5	-1.24	-.54	-.63	-.63	.26	.32	.40	.43
	10.0	-1.03	-.54	-.62	-.62	.24	.29	.37	.40
	15.0	-.81	-.52	-.56	-.58	.24	.28	.34	.36
	16.3	-.78	-.51	-.56	-.58	.25	.28	.34	.36
	20.0	-.66	-.51	-.55	-.57	.23	.26	.31	.33
	25.0	-.53	-.50	-.53	-.56	.16	.18	.24	.26
	30.0	-.45	-.49	-.53	-.56	.11	.14	.20	.22
	35.0	-.39	-.49	-.52	-.55	.09	.10	.16	.17
	40.0	-.34	-.47	-.51	-.55	.05	.06	.12	.12
	45.0	-.31	-.46	-.50	-.54	.02	.03	.07	.08
	55.0	-.25	-.44	-.48	-.54	-.01	-.02	0	-.01
	65.0	-.18	-.41	-.46	-.54	-.01	-.06	-.05	-.07
	75.0	-.12	-.38	-.44	-.53	-.01	-.10	-.09	-.13
	85.0	-.07	-.36	-.42	-.52	0	-.14	-.14	-.19
	90.0	-.04	-.35	-.41	-.51	.01	-.16	-.18	-.24
0.95	0	-0.10	0	-0.27	-0.45	----	----	----	----
	2.5	-1.29	-.52	-.52	-.55	0.32	0.34	0.42	0.42
	5.0	-1.27	-.55	-.55	-.57	.22	.26	.34	.37
	7.5	-1.18	-.54	-.54	-.54	.17	.20	.29	.32
	10.0	-1.00	-.49	-.48	-.51	.13	.16	.25	.28
	15.0	-.76	-.49	-.48	-.51	.09	.11	.18	.21
	20.8	-.57	-.48	-.49	-.51	.09	.10	.15	.16
	23.4	----	----	----	----	.11	.11	.16	.15
	24.5	-.49	-.46	-.48	-.51	----	----	----	----
	30.0	-.40	-.44	-.46	-.51	.03	.03	.08	.07
	35.0	-.35	-.43	-.45	-.51	-.01	0	.04	.03
	40.0	-.31	-.42	-.43	-.50	-.02	-.02	.02	-.01
	45.0	-.30	-.40	-.42	-.50	-.04	-.05	-.02	-.04
	55.0	-.26	-.37	-.39	-.50	-.06	-.08	-.06	-.09
	65.0	-.23	-.34	-.38	-.49	-.05	-.09	-.09	-.14
	75.0	-.19	-.31	-.36	-.49	-.04	-.11	-.12	-.17
	85.0	-.16	-.29	-.34	-.48	-.03	-.13	-.14	-.22
	90.0	----	----	----	----	-.02	-.15	-.17	-.25

A
3
0
0

TABLE XIII.- WING PRESSURE COEFFICIENTS; $\delta = 8.5^{\circ}$, $M = 0.80$, $R = 3.2\times10^{6}$

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.154	0	0.37	0.51	0.60	0.56	0.46	----	----	----	----	----
	2.3	.03	.04	-.11	-.30	-.54	-0.01	0.12	0.24	0.34	0.43
	5.0	.03	-.04	-.12	-.33	-.45	-.12	-.01	.11	.22	.31
	7.5	.03	-.03	-.14	-.31	-.45	----	----	----	----	----
	10.0	.02	-.04	-.13	-.27	-.39	----	----	----	----	----
	15.0	-.01	-.07	-.14	-.28	-.42	-.15	-.06	.02	.10	.17
	20.0	0	-.07	-.14	-.22	-.33	-.14	-.06	.01	.08	.15
	25.0	0	-.07	-.13	-.21	-.32	-.16	-.09	-.01	.06	.10
	30.0	-.01	-.07	-.15	-.23	-.32	-.18	-.11	-.04	.03	.08
	35.0	-.04	-.11	-.19	-.26	-.33	-.17	-.11	-.05	.02	.07
	40.0	-.07	-.14	-.21	-.28	-.33	-.20	-.14	-.08	-.02	.04
	45.0	-.08	-.14	-.20	-.26	-.32	-.21	-.15	-.09	-.03	.02
	55.0	-.11	-.17	-.22	-.27	-.33	-.23	-.18	-.12	-.07	-.02
	65.0	-.10	-.15	-.18	-.22	-.26	-.20	-.16	-.11	-.07	.03
	75.0	-.10	-.14	-.18	-.22	-.25	-.17	-.13	-.10	-.06	.03
	85.0	-.06	-.08	-.10	-.11	-.13	-.10	-.08	-.06	-.03	-.01
	95.0	-.02	-.03	-.04	-.04	-.05	-.03	-.03	-.01	0	.01
0.25	0	0.33	0.43	0.52	0.41	0.19	----	----	----	----	----
	2.3	.09	-.06	-.27	-.68	-1.10	----	----	----	----	----
	3.6	.04	-.07	-.17	-.43	-1.03	----	----	----	----	----
	5.0	.03	-.07	-.19	-.43	-.63	-0.10	0	0.11	0.22	0.31
	7.5	-.02	-.08	-.20	-.37	-.54	-.17	-.07	.05	.15	.24
	10.0	-.05	-.10	-.20	-.37	-.51	-.19	-.09	.02	.12	.20
	15.0	-.06	-.10	-.20	-.35	-.46	-.19	-.10	0	.08	.15
	20.0	-.07	-.10	-.20	-.33	-.46	-.18	-.10	-.02	.06	.11
	25.0	-.11	-.11	-.20	-.33	-.42	-.19	-.11	-.04	.03	.10
	30.0	-.12	-.14	-.19	-.34	-.41	-.20	-.12	-.05	0	.07
	35.0	-.12	-.12	-.19	-.32	-.40	-.20	-.13	-.06	0	.06
	40.0	-.08	-.14	-.20	-.26	-.33	-.23	-.16	-.09	-.03	.02
	45.0	-.09	-.15	-.21	-.27	-.34	-.24	-.17	-.11	-.05	0
	55.0	-.11	-.17	-.21	-.26	-.31	-.23	-.17	-.12	-.07	-.03
	65.0	-.10	-.14	-.18	-.22	-.26	-.18	-.14	-.10	-.06	-.02
	75.0	-.08	-.11	-.14	-.16	-.19	-.14	-.11	-.08	-.04	-.02
	85.0	-.04	-.06	-.08	-.10	-.12	-.07	-.06	-.04	-.02	0
	95.0	.01	.01	0	0	-.02	0	0	.01	.01	.02
0.40	0	0.21	0.42	0.48	0.44	0.20	----	----	----	----	----
	2.5	.16	.03	-.20	-.61	-1.18	-0.41	-0.19	-0.05	0.21	0.33
	4.6	----	----	----	----	----	-.39	-.02	-.07	.23	.33
	6.0	-.06	-.10	-.23	-.67	-1.16	-.37	.01	-.20	.24	.33
	7.5	-.06	-.10	-.25	-.46	-.71	-.35	-.06	-.07	.16	.26
	10.0	-.07	-.12	-.25	-.48	-.67	-.29	-.10	-.02	.12	.21
	15.0	-.07	-.15	-.23	-.44	-.52	-.25	-.13	-.02	.07	.15
	20.0	-.08	-.16	-.23	-.44	-.53	-.23	-.13	-.04	.05	.12
	25.0	-.10	-.16	-.22	-.39	-.45	-.23	-.14	-.06	.03	.09
	30.0	-.10	-.15	-.22	-.36	-.45	-.22	-.14	-.07	.01	.07
	35.0	-.11	-.15	-.22	-.37	-.44	-.24	-.16	-.09	-.02	.04
	40.0	-.12	-.15	-.22	-.36	-.43	-.24	-.17	-.10	-.04	.02
	45.0	-.13	-.16	-.22	-.35	-.40	-.25	-.19	-.12	-.06	-.01
	55.0	-.12	-.17	-.22	-.27	-.31	-.22	-.17	-.12	-.07	-.02
	65.0	-.10	-.14	-.17	-.20	-.23	-.17	-.13	-.09	-.05	-.02
	75.0	-.07	-.10	-.11	-.14	-.15	-.12	-.10	-.07	-.04	-.01
	85.0	-.02	-.04	-.05	-.06	-.06	-.05	-.03	-.02	0	.01
	95.0	.03	.03	.03	.03	.03	.02	.03	.03	.03	.03
0.55	0	0.10	0.31	0.51	0.47	0.17	----	----	----	----	----
	2.5	.19	.18	-.15	-.59	-1.16	-0.52	-0.36	-0.06	0.15	0.26
	5.0	.04	-.04	-.25	-.61	-.88	-.50	-.16	0	.15	.22
	7.4	-.12	-.20	-.46	-.87	-1.04	-.49	-.05	.06	.18	.23
	9.0	-.10	-.22	-.53	-.95	-1.33	-.47	-.04	.11	.19	.23
	10.0	-.10	-.17	-.29	-.92	-1.17	-.46	-.06	.07	.16	.20
	15.0	-.12	-.18	-.30	-.47	-.67	-.37	-.13	-.01	.08	.12
	20.0	-.12	-.17	-.26	-.45	-.59	-.29	-.15	-.05	.04	.08
	25.0	-.09	-.17	-.25	-.39	-.48	-.25	-.16	-.06	.02	.04
	30.0	-.10	-.17	-.22	-.39	-.49	-.24	-.16	-.08	0	.03
	35.0	-.12	-.17	-.22	-.38	-.47	-.24	-.17	-.09	-.02	0
	40.0	-.10	-.17	-.24	-.30	-.38	----	----	----	----	----
	45.0	-.12	-.18	-.24	-.30	-.36	-.23	-.18	-.11	-.05	-.04
	55.0	-.12	-.17	-.22	-.26	-.31	-.20	-.16	-.11	-.06	-.04
	65.0	-.10	-.13	-.16	-.19	-.23	-.15	-.12	-.09	-.05	-.06
	75.0	-.06	-.08	-.10	-.11	-.14	-.09	-.07	-.05	-.03	-.05
	85.0	-.02	-.03	-.03	-.04	-.08	-.03	-.02	-.01	.01	-.02
	95.0	.04	.05	.04	.04	.04	.03	.04	.04	.04	0

A-300

TABLE XIII.- WING PRESSURE COEFFICIENTS; $\delta = 8.5^{\circ}$, $M = 0.80$, $R = 3.2 \times 10^{6}$ - Continued

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.70	2.5	0.24	0.07	-0.11	-0.56	-1.22	-0.59	-0.62	-0.19	0.10	0.27
	5.0	-.06	-.01	-.20	-.58	-1.11	-.53	-.29	-.09	.10	.23
	7.5	0	-.09	-.23	-.58	-.79	-.52	-.20	-.07	.11	.21
	10.0	-.09	-.18	-.33	-.65	-.91	----	----	----	----	----
	11.1	-.14	-.22	-.38	-.70	-.95	-.52	-.07	-.10	.14	.21
	13.0	-.18	-.40	-.60	-.99	-1.18	-.51	-.06	-.09	.16	.22
	20.0	-.08	-.18	-.30	-.43	-.64	-.42	-.13	-.03	.07	.11
	25.0	-.07	-.16	-.26	-.36	-.50	-.32	-.14	-.05	.04	.08
	30.0	-.08	-.15	-.24	-.33	-.43	-.25	-.14	-.06	.02	.06
	35.0	-.09	-.16	-.24	-.31	-.39	-.22	-.15	-.08	0	.03
	40.0	-.11	-.17	-.24	-.31	-.36	-.20	-.16	-.10	-.03	0
	45.0	-.12	-.18	-.24	-.29	-.33	-.20	-.16	-.11	-.05	-.03
	55.0	-.13	-.17	-.21	-.24	-.26	-.17	-.15	-.11	-.07	-.06
	65.0	-.11	-.13	-.15	-.17	-.18	-.11	-.09	-.07	-.04	-.02
	75.0	-.06	-.07	-.08	-.10	-.10	-.07	-.05	-.04	-.02	-.01
	85.0	-.02	-.02	-.02	-.02	-.03	----	----	----	----	----
	90.0	.01	.01	.01	.01	0	.02	.03	.03	.04	.04
0.85	0	0.17	0.34	0.50	0.39	0.13	----	----	----	----	----
	2.5	.28	.19	-.08	-.62	-1.26	-0.70	-0.75	-0.27	0.06	0.26
	5.0	.19	.07	-.11	-.53	-1.15	-.66	-.48	-.19	.05	.20
	7.5	.10	-.03	-.19	-.57	-1.02	-.66	-.34	-.14	.04	.17
	10.0	.04	-.07	-.22	-.58	-.75	-.67	-.24	-.08	.06	.17
	15.0	-.08	-.21	-.40	-.62	-.79	-.70	-.10	.04	.09	.18
	16.3	-.11	-.25	-.44	-.66	-.84	-.70	-.07	.09	.09	.19
	20.0	-.14	-.22	-.43	-.83	-.77	-.67	-.04	.06	.14	.19
	25.0	-.11	-.19	-.29	-.36	-.53	-.50	-.07	-.02	.06	.11
	30.0	-.11	-.17	-.25	-.31	-.41	-.26	-.08	-.04	.02	.07
	35.0	-.12	-.17	-.24	-.28	-.34	-.10	-.09	-.06	0	.04
	40.0	-.14	-.17	-.23	-.26	-.30	-.06	-.10	-.08	-.03	.01
	45.0	-.15	-.17	-.22	-.24	-.27	-.06	-.10	-.09	-.05	-.02
	55.0	-.14	-.14	-.18	-.19	-.21	-.08	-.10	-.10	-.07	-.04
	65.0	-.10	-.10	-.12	-.13	-.15	-.06	-.07	-.07	-.05	-.04
	75.0	-.05	-.05	-.06	-.07	-.09	-.03	-.03	-.04	-.03	-.02
	85.0	0	.01	0	0	-.03	.02	.02	.01	.02	.01
	90.0	.03	.04	.03	.02	0	.04	.05	.04	.04	.03
0.95	0	0.21	0.31	0.46	0.43	0.30	----	----	----	----	----
	2.5	.24	.10	-.10	-.66	-1.27	-0.56	-0.70	-0.37	-0.01	0.20
	5.0	.04	.02	-.14	-.51	-1.24	-.55	-.55	-.28	-.03	.12
	7.5	.06	-.01	-.19	-.51	-1.19	-.54	-.43	-.22	-.04	.08
	10.0	.02	-.09	-.28	-.50	-.64	-.53	-.32	-.15	-.04	.05
	15.0	-.09	-.19	-.33	-.45	-.49	-.51	-.16	-.06	-.01	.04
	20.8	-.22	-.29	-.41	-.51	-.55	-.46	-.05	.07	.07	.05
	23.4	----	----	----	----	----	-.42	-.01	.08	.12	.06
	24.5	-.30	-.40	-.53	-.59	-.50	----	----	----	----	----
	30.0	-.17	-.18	-.22	-.25	-.35	-.34	-.01	-.01	.02	.01
	35.0	-.15	-.14	-.18	-.21	-.29	-.27	-.03	-.04	-.02	-.02
	40.0	-.14	-.13	-.16	-.20	-.26	-.21	-.05	-.07	-.05	-.04
	45.0	-.13	-.12	-.16	-.19	-.25	-.17	-.07	-.09	-.07	-.07
	55.0	-.11	-.10	-.14	-.16	-.20	-.12	-.07	-.09	-.08	-.08
	65.0	-.08	-.06	-.09	-.12	-.18	-.08	-.04	-.06	-.05	-.06
	75.0	-.03	-.02	-.05	-.08	-.13	-.05	-.01	-.02	-.02	-.03
	85.0	.01	.02	0	-.04	-.09	-.01	.03	.01	.01	0
	90.0	----	----	----	----	----	.01	.05	.03	.03	0

TABLE XIII.- WING PRESSURE COEFFICIENTS; $\delta = 8.5^{\circ}$, $M = 0.80$, $R = 3.2 \times 10^{6}$ - Continued

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}, 20^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16	20	8	12	16	20
0.154	0	0.24	-0.09	-0.33	-0.54	----	----	----	----
	2.3	-.76	-1.46	-1.72	-1.24	0.52	0.64	0.73	0.76
	5.0	-.60	-1.18	-1.69	-1.21	.39	.53	.62	.67
	7.5	-.59	-.82	-1.53	-1.18	----	----	----	----
	10.0	-.56	-.78	-1.20	-1.10	----	----	----	----
	15.0	-.58	-.87	-.88	-.98	.24	.37	.47	.54
	20.0	-.46	-.64	-.77	-.91	.21	.33	.43	.51
	25.0	-.43	-.53	-.46	-.88	.18	.30	.40	.47
	30.0	-.39	-.53	-.44	-.81	.15	.26	.36	.44
	35.0	-.40	-.53	-.53	-.76	.13	.24	.33	.41
	40.0	-.38	-.53	-.71	-.73	.10	.20	.29	.37
	45.0	-.41	-.48	-.72	-.70	.08	.17	.26	.34
	55.0	-.37	-.36	-.45	-.64	.03	.11	.19	.26
	65.0	-.29	-.33	-.48	-.60	.02	.08	.15	.20
	75.0	-.29	-.37	-.46	-.62	.01	.05	.10	.14
	85.0	-.14	-.24	-.38	-.61	.02	.04	.06	.08
	95.0	-.06	-.14	-.26	-.56	.02	0	-.01	-.05
0.25	0	-0.02	-0.35	-0.66	-1.09	----	----	----	----
	2.3	-1.45	-1.65	-1.66	-.98	----	----	----	----
	3.6	-1.15	-1.60	-1.57	-1.04	----	----	----	----
	5.0	-1.01	-1.60	-1.59	-1.02	0.43	0.52	0.62	0.70
	7.5	-.87	-1.60	-1.65	-1.02	.39	.45	.56	.65
	10.0	-.81	-1.58	-1.66	-1.02	.32	.41	.52	.61
	15.0	-.66	-1.50	-1.64	-1.07	.27	.35	.46	.55
	20.0	-.58	-1.18	-1.57	-1.02	.22	.31	.41	.50
	25.0	-.56	-.46	-1.29	-1.03	.19	.27	.37	.46
	30.0	-.51	-.52	-.98	-.98	.16	.24	.33	.42
	35.0	-.51	-.54	-.96	-.97	.13	.21	.30	.39
	40.0	-.46	-.40	-.79	-.86	.11	.17	.25	.33
	45.0	-.41	-.40	-.73	-.84	.07	.13	.22	.29
	55.0	-.41	-.38	-.62	-.80	.05	.09	.16	.22
	65.0	-.37	-.36	-.55	-.76	.02	.07	.12	.17
	75.0	-.31	-.32	-.49	-.73	.02	.05	.08	.11
	85.0	-.23	-.24	-.42	-.72	.01	.02	.03	.03
	95.0	-.14	-.13	-.29	-.67	.02	-.02	-.07	-.14
0.40	0	-0.05	-0.43	-0.74	-0.88	----	----	----	----
	2.5	-1.61	-1.36	-1.12	-.90	0.42	0.54	0.61	0.65
	4.6	----	----	----	----	.40	.51	.59	.63
	6.0	-1.18	-1.36	-1.09	-.92	.33	.50	.57	.62
	7.5	-.93	-1.36	-1.12	-.88	.34	.45	.53	.60
	10.0	-.92	-1.36	-1.12	-.87	.29	.41	.50	.56
	15.0	-.81	-1.36	-1.11	-.87	.23	.35	.44	.51
	20.0	-.75	-1.36	-1.10	-.88	.19	.30	.39	.46
	25.0	-.66	-1.35	-1.10	-.88	.16	.26	.35	.42
	30.0	-.62	-1.29	-1.09	-.87	.13	.23	.31	.39
	35.0	-.60	-1.17	-1.02	-.86	.10	.19	.27	.34
	40.0	-.56	-.99	-.97	-.85	.08	.16	.23	.30
	45.0	-.56	-.75	-.95	-.85	.05	.12	.19	.25
	55.0	-.37	-.41	-.80	-.78	.02	.08	.13	.18
	65.0	-.27	-.38	-.73	-.76	.02	.06	.09	.12
	75.0	-.18	-.36	-.68	-.74	.02	.03	.03	.05
	85.0	-.08	-.28	-.63	-.73	.03	.01	-.03	-.04
	95.0	.01	-.16	-.57	-.72	.04	-.04	-.19	-.25
0.55	0	-0.03	-0.40	-0.58	-0.80	----	----	----	----
	2.5	-1.61	-1.08	-.87	-.80	0.39	0.52	0.56	0.59
	5.0	-1.62	-1.09	-.92	-.78	.34	.46	.53	.57
	7.4	-1.56	-1.05	-.91	-.76	.34	.45	.50	.55
	9.0	-1.56	-1.05	-.91	-.80	.33	.43	.49	.54
	10.0	-1.50	-1.04	-.91	-.80	.30	.41	.47	.52
	15.0	-.99	-1.03	-.88	-.79	.22	.34	.41	.47
	20.0	-.77	-1.02	-.85	-.78	.18	.29	.36	.42
	25.0	-.63	-1.01	-.83	-.77	.14	.25	.31	.38
	30.0	-.62	-1.00	-.81	-.77	.12	.22	.27	.34
	35.0	-.54	-.96	-.82	-.77	.09	.18	.23	.29
	40.0	-.43	-.77	-.73	-.74	----	----	----	----
	45.0	-.39	-.75	-.72	-.73	.04	.11	.16	.21
	55.0	-.31	-.71	-.70	-.73	.02	.06	.09	.14
	65.0	-.22	-.65	-.68	-.72	.01	.03	.04	.07
	75.0	-.13	-.59	-.65	-.71	.01	0	-.02	-.01
	85.0	-.05	-.53	-.63	-.70	.02	-.04	-.10	-.11
	95.0	.03	-.47	-.60	-.69	.03	-.16	-.29	-.31

TABLE XIII.- WING PRESSURE COEFFICIENTS; $\delta = 8.5^{\circ}$, M = 0.80, R = 3.2×10^{6} - Concluded

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}, 20^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16	20	8	12	16	20
0.70	2.5	-1.65	-0.77	-0.69	-0.76	0.38	0.49	0.52	0.55
	5.0	-1.60	-.79	-.71	-.72	.31	.42	.48	.53
	7.5	-1.53	-.80	-.69	-.71	.29	.39	.44	.50
	10.0	-1.53	-.80	-.69	-.71	----	----	----	----
	11.1	-1.50	-.80	-.73	-.71	.30	.38	.43	.48
	13.0	-1.49	-.80	-.74	-.75	.31	.38	.41	.46
	20.0	-.88	-.63	-.68	-.71	.19	.28	.32	.38
	25.0	-.62	-.63	-.67	-.71	.15	.24	.28	.34
	30.0	-.52	-.63	-.66	-.71	.13	.20	.24	.30
	35.0	-.45	-.63	-.65	-.71	.09	.16	.20	.25
	40.0	-.40	-.61	-.64	-.70	.06	.12	.13	.21
	45.0	-.35	-.60	-.63	-.70	.03	.08	.11	.16
	55.0	-.28	-.57	-.62	-.69	0	.02	.03	.08
	65.0	-.21	-.55	-.60	-.69	0	-.02	-.01	0
	75.0	-.13	-.51	-.58	-.67	0	-.07	-.09	-.08
	85.0	-.06	-.49	-.57	-.66	----	----	----	----
	90.0	-.03	-.47	-.56	-.65	.03	-.17	-.23	-.25
0.85	0	-0.14	-0.23	-0.45	-0.69	----	----	----	----
	2.5	-1.67	-.71	-.51	-.68	0.36	0.43	0.48	0.50
	5.0	-1.61	-.72	-.65	-.68	.29	.37	.43	.47
	7.5	-1.58	-.72	-.65	-.68	.25	.32	.39	.43
	10.0	-1.43	-.73	-.64	-.68	.23	.29	.35	.40
	15.0	-1.32	-.58	-.58	-.66	.24	.29	.34	.37
	16.3	-1.20	-.57	-.58	-.66	.25	.29	.34	.37
	20.0	-.86	-.55	-.57	-.66	.23	.27	.30	.34
	25.0	-.51	-.54	-.56	-.65	.15	.19	.23	.27
	30.0	-.42	-.53	-.56	-.64	.11	.15	.18	.22
	35.0	-.37	-.52	-.55	-.64	.08	.10	.14	.18
	40.0	-.33	-.51	-.55	-.64	.04	.06	.09	.12
	45.0	-.30	-.50	-.54	-.64	.01	.01	.04	.07
	55.0	-.24	-.48	-.53	-.63	-.03	-.05	-.05	-.03
	65.0	-.18	-.46	-.52	-.63	-.03	-.09	-.10	-.10
	75.0	-.12	-.43	-.50	-.61	-.02	-.13	-.16	-.17
	85.0	-.06	-.41	-.49	-.60	0	-.17	-.22	-.24
	90.0	-.03	-.39	-.48	-.60	.01	-.20	-.26	-.29
0.95	0	0.06	-0.02	-0.38	-0.46	----	----	----	----
	2.5	-1.60	-.60	-.56	-.66	0.30	0.36	0.41	0.43
	5.0	-1.62	-.68	-.59	-.63	.21	.27	.34	.38
	7.5	-1.54	-.68	-.57	-.61	.15	.22	.28	.33
	10.0	-1.17	-.51	-.52	-.60	.12	.17	.23	.28
	15.0	-1.01	-.50	-.52	-.60	.07	.12	.16	.20
	20.8	-.80	-.50	-.52	-.60	.06	.10	.13	.15
	23.4	----	----	----	----	.07	.11	.13	.14
	24.5	-.62	-.49	-.52	-.60	----	----	----	----
	30.0	-.48	-.49	-.51	-.60	0	.02	.03	.04
	35.0	-.40	-.48	-.51	-.60	-.03	-.02	-.02	-.01
	40.0	-.36	-.47	-.51	-.60	-.05	-.05	-.05	-.05
	45.0	-.34	-.45	-.50	-.60	-.06	-.08	-.09	-.09
	55.0	-.31	-.42	-.49	-.59	-.07	-.12	-.15	-.15
	65.0	-.28	-.39	-.48	-.59	-.07	-.14	-.19	-.21
	75.0	-.24	-.37	-.47	-.58	-.04	-.16	-.22	-.26
	85.0	-.21	-.35	-.45	-.57	-.02	-.17	-.25	-.30
	90.0	----	----	----	----	-.02	-.19	-.28	-.34

A
3
0
0

TABLE XIV.- WING PRESSURE COEFFICIENTS; $\delta = 8.5^{\circ}$, $M = 0.90$, $R = 3.2\times10^{6}$

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		-2	0	2	4	-2	0	2	4
0.154	0	0.45	0.56	0.64	0.62	----	----	----	----
	2.3	.15	.01	-.09	-.23	0.04	0.16	0.27	0.36
	5.0	.08	0	-.10	-.23	-.08	.03	.14	.23
	7.5	.06	-.03	-.12	-.23	----	----	----	----
	10.0	.04	-.03	-.11	-.19	----	----	----	----
	15.0	.01	-.06	-.12	-.22	-.12	-.04	.04	.12
	20.0	.02	-.04	-.12	-.20	-.12	-.05	.03	.10
	25.0	.02	-.04	-.12	-.21	-.14	-.08	0	.07
	30.0	.01	-.05	-.14	-.23	-.18	-.11	-.03	.04
	35.0	-.02	-.10	-.18	-.25	-.17	-.11	-.04	.03
	40.0	-.06	-.14	-.21	-.28	-.21	-.14	-.07	-.01
	45.0	-.08	-.14	-.21	-.28	-.23	-.16	-.09	-.03
	55.0	-.12	-.18	-.26	-.33	-.29	-.21	-.14	-.07
	65.0	-.11	-.16	-.23	-.32	-.26	-.19	-.14	-.08
	75.0	-.13	-.18	-.25	-.35	-.22	-.16	-.12	-.08
	85.0	-.07	-.09	-.12	-.15	-.13	-.10	-.07	-.04
	95.0	-.02	-.03	-.04	-.05	-.04	-.03	-.02	-.01
0.25	0	0.37	0.50	0.55	0.49	----	----	----	----
	2.3	.15	-.03	-.23	-.46	----	----	----	----
	3.6	.09	-.03	-.15	-.48	----	----	----	----
	5.0	.06	-.03	-.17	-.32	-0.08	0.03	0.14	0.24
	7.5	.02	-.07	-.19	-.33	-.15	-.05	.06	.16
	10.0	0	-.09	-.17	-.28	-.17	-.06	.03	.13
	15.0	-.03	-.10	-.18	-.27	-.17	-.08	.01	.09
	20.0	-.04	-.10	-.18	-.25	-.17	-.09	-.01	.07
	25.0	-.05	-.11	-.18	-.26	-.18	-.10	-.03	.05
	30.0	-.06	-.12	-.19	-.27	-.20	-.12	-.05	.02
	35.0	-.10	-.15	-.22	-.28	-.22	-.13	-.07	0
	40.0	-.07	-.14	-.22	-.29	-.25	-.17	-.10	-.03
	45.0	-.10	-.16	-.24	-.33	-.28	-.19	-.13	-.06
	55.0	-.12	-.19	-.26	-.36	-.30	-.21	-.14	-.08
	65.0	-.12	-.17	-.24	-.33	-.25	-.17	-.12	-.07
	75.0	-.09	-.13	-.18	-.23	-.17	-.13	-.09	-.06
	85.0	-.05	-.07	-.10	-.12	-.08	-.07	-.05	-.02
	95.0	.02	.02	.01	-.01	.01	.01	.01	.01
0.40	0	0.32	0.44	0.53	0.48	----	----	----	----
	2.5	.22	.05	-.15	-.43	-0.39	-0.22	0.05	0.20
	4.6	----	----	----	----	-.36	-.04	.06	.23
	6.0	0	-.10	-.31	-.72	-.34	.02	.19	.24
	7.5	0	-.11	-.25	-.33	-.34	-.04	.08	.17
	10.0	-.03	-.14	-.27	-.39	-.29	-.09	.02	.12
	15.0	-.06	-.15	-.24	-.36	-.25	-.12	-.02	.07
	20.0	-.09	-.16	-.27	-.36	-.24	-.14	-.04	.05
	25.0	-.08	-.15	-.23	-.36	-.25	-.15	-.06	.02
	30.0	-.09	-.16	-.23	-.37	-.25	-.17	-.08	0
	35.0	-.11	-.18	-.26	-.37	-.28	-.19	-.11	-.03
	40.0	-.11	-.19	-.26	-.37	-.31	-.21	-.13	-.05
	45.0	-.14	-.22	-.30	-.40	-.34	-.23	-.15	-.08
	55.0	-.14	-.20	-.28	-.41	-.30	-.21	-.15	-.09
	65.0	-.12	-.16	-.22	-.28	-.21	-.15	-.11	-.07
	75.0	-.08	-.10	-.13	-.14	-.13	-.11	-.08	-.06
	85.0	-.03	-.04	-.05	-.04	-.05	-.03	-.02	-.01
	95.0	.04	.04	.05	.04	.04	.04	.04	.03
0.55	0	0.24	0.40	0.52	0.48	----	----	----	----
	2.5	.24	.10	-.12	-.40	-0.52	-0.43	-0.08	0.13
	5.0	.09	-.05	-.24	-.43	-.49	-.21	-.03	.14
	7.4	-.10	-.26	-.48	-.64	-.48	-.09	.11	.16
	9.0	-.09	-.31	-.60	-.88	-.45	-.07	.10	.18
	10.0	-.06	-.15	-.56	-.86	-.45	-.08	.05	.16
	15.0	-.09	-.19	-.31	-.48	-.45	-.14	-.03	.07
	20.0	-.09	-.21	-.28	-.44	-.39	-.17	-.06	.03
	25.0	-.09	-.18	-.29	-.41	-.32	-.18	-.08	0
	30.0	-.12	-.19	-.25	-.38	-.31	-.20	-.10	-.02
	35.0	-.13	-.20	-.26	-.39	-.31	-.21	-.12	-.04
	40.0	-.11	-.20	-.30	-.41	----	----	----	----
	45.0	-.13	-.21	-.31	-.43	.05	-.22	-.15	-.07
	55.0	-.14	-.21	-.27	-.38	-.30	-.19	-.14	-.08
	65.0	-.12	-.16	-.19	-.19	-.24	-.14	-.11	-.07
	75.0	-.07	-.09	-.10	-.09	-.16	-.08	-.06	-.04
	85.0	-.01	-.02	-.02	-.01	-.08	-.01	-.01	0
	95.0	.06	.06	.06	.07	-.01	.06	.05	.05

TABLE XIV.- WING PRESSURE COEFFICIENTS; $\delta = 8.5^{\circ}$, M = 0.90, R = 3.2×10^{6} - Continued

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		-2	0	2	4	-2	0	2	4
0.70	2.5	0.28	0.12	-0.11	-0.40	-0.63	-0.55	-0.22	0.06
	5.0	.14	0	-.20	-.45	-.57	-.41	-.12	.08
	7.5	.03	-.10	-.27	-.50	-.55	-.34	-.07	.10
	10.0	-.05	-.19	-.39	-.58	----	----	----	----
	11.1	-.10	-.25	-.47	-.62	-.54	-.24	.08	.12
	13.0	-.24	-.42	-.65	-.92	-.53	-.20	.07	.15
	20.0	-.09	-.21	-.36	-.71	-.48	-.16	-.04	.05
	25.0	-.08	-.18	-.31	-.45	-.41	-.17	-.06	.02
	30.0	-.09	-.18	-.28	-.40	-.35	-.17	-.07	.01
	35.0	-.11	-.19	-.28	-.42	-.30	-.18	-.10	-.03
	40.0	-.13	-.21	-.30	-.44	-.27	-.19	-.12	-.05
	45.0	-.15	-.22	-.30	-.43	-.25	-.20	-.14	-.08
	55.0	-.16	-.21	-.25	-.24	-.18	-.17	-.13	-.09
	65.0	-.13	-.15	-.15	-.13	-.11	-.10	-.08	-.06
	75.0	-.06	-.07	-.07	-.06	-.05	-.04	-.04	-.03
	85.0	-.01	0	0	.01	----	----	----	----
	90.0	.03	.03	.04	.04	.04	.05	.04	.04
0.85	0	0.26	0.40	0.50	0.46	----	----	----	----
	2.5	.29	.17	-.10	-.47	-0.78	-0.70	-0.30	0.03
	5.0	.18	.06	-.16	-.44	-.73	-.58	-.23	.03
	7.5	.08	-.03	-.24	-.48	-.73	-.50	-.17	.02
	10.0	.03	-.10	-.26	-.50	-.76	-.41	-.08	.05
	15.0	-.08	-.22	-.43	-.61	-.79	-.22	.03	.07
	16.3	-.12	-.27	-.47	-.66	-.79	-.18	.07	.07
	20.0	-.13	-.36	-.69	-.99	-.74	-.09	.05	.15
	25.0	-.12	-.21	-.33	-.87	-.64	-.10	-.03	.04
	30.0	-.12	-.21	-.31	-.61	-.43	-.11	-.06	0
	35.0	-.15	-.22	-.30	-.41	-.16	-.11	-.08	-.03
	40.0	-.17	-.24	-.31	-.26	-.04	-.11	-.09	-.06
	45.0	-.19	-.22	-.23	-.18	-.03	-.11	-.11	-.08
	55.0	-.16	-.15	-.15	-.13	-.05	-.10	-.11	-.09
	65.0	-.10	-.09	-.10	-.08	-.04	-.06	-.07	-.06
	75.0	-.04	-.03	-.04	-.04	-.01	-.01	-.02	-.02
	85.0	.02	.03	.03	.02	.04	.04	.03	-.03
	90.0	.05	.06	.06	.05	.06	.07	.06	.05
0.95	0	0.27	0.36	0.48	0.48	----	----	----	----
	2.5	.28	.14	-.11	-.50	-0.60	-0.64	-0.41	-0.04
	5.0	.14	.02	-.02	-.45	-.57	-.57	-.34	-.06
	7.5	.07	-.05	-.02	-.49	-.56	-.53	-.25	-.07
	10.0	.03	-.10	-.30	-.55	-.55	-.47	-.19	-.07
	15.0	-.10	-.22	-.39	-.58	-.52	-.34	-.12	-.06
	20.8	-.27	-.41	-.58	-.65	-.48	-.18	.05	0
	23.4	----	----	----	----	-.45	-.12	.08	.09
	24.5	-.42	-.55	-.64	-.60	----	----	----	----
	30.0	-.21	-.18	-.25	-.48	-.41	-.04	-.01	-.01
	35.0	-.17	-.13	-.12	-.37	-.37	-.03	-.05	-.05
	40.0	-.16	-.12	-.12	-.26	-.32	-.04	-.08	-.08
	45.0	-.16	-.10	-.12	-.18	-.26	-.06	-.09	-.09
	55.0	-.11	-.10	-.12	-.14	-.17	-.06	-.09	-.09
	65.0	-.06	-.05	-.07	-.11	-.11	-.03	-.05	-.05
	75.0	-.02	0	-.02	-.07	-.05	.01	-.01	-.01
	85.0	.03	.04	.02	-.03	-.01	.06	.04	.03
	90.0	----	----	----	----	.01	.07	.06	.04

TABLE XIV.- WING PRESSURE COEFFICIENTS; $\delta = 8.5^{\circ}$, M = 0.90, R = 3.2×10^{6} - Continued

(b) $\alpha_u = 6^{\circ}, 8^{\circ}, 10^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		6	8	10		6	8	10	
0.154	0	0.52	0.41	0.30		----	----	----	
	2.3	-.45	-.57	-.86		0.45	0.54	0.62	
	5.0	-.37	-.45	-.61		.32	.41	.49	
	7.5	-.36	-.46	-.48		----	----	----	
	10.0	-.34	-.41	-.44		----	----	----	
	15.0	-.37	-.48	-.58		.19	.27	.33	
	20.0	-.32	-.42	-.49		.17	.24	.30	
	25.0	-.31	-.39	-.40		.14	.20	.26	
	30.0	-.29	-.35	-.42		.10	.17	.22	
	35.0	-.30	-.35	-.44		.09	.15	.20	
	40.0	-.32	-.40	-.49		.05	.11	.16	
	45.0	-.37	-.45	-.51		.03	.09	.14	
	55.0	-.37	-.43	-.47		-.02	.04	.08	
	65.0	-.40	-.50	-.56		-.03	.02	.05	
	75.0	-.50	-.59	-.63		-.03	.01	.03	
	85.0	-.20	-.28	-.32		-.01	.01	.02	
	95.0	-.06	-.10	-.13		.01	.01	0	
0.25	0	0.36	0.24	0.12		----	----	----	
	2.3	-.83	-1.08	-1.19		----	----	----	
	3.6	-.92	-1.04	-1.06		----	----	----	
	5.0	-.74	-1.01	-.99		0.32	0.41	0.47	
	7.5	-.46	-.89	-.92		.25	.33	.40	
	10.0	-.45	-.63	-.86		.21	.29	.36	
	15.0	-.40	-.43	-.77		.17	.24	.30	
	20.0	-.39	-.41	-.62		.14	.21	.26	
	25.0	-.37	-.40	-.50		.11	.17	.23	
	30.0	-.38	-.40	-.45		.08	.14	.20	
	35.0	-.40	-.44	-.48		.06	.12	.17	
	40.0	-.36	-.43	-.49		.03	.08	.13	
	45.0	-.39	-.46	-.52		0	.06	.10	
	55.0	-.43	-.52	-.59		-.03	.02	.06	
	65.0	-.46	-.57	-.66		-.03	.02	.05	
	75.0	-.34	-.47	-.56		-.02	.01	.03	
	85.0	-.17	-.27	-.31		-.01	.01	.02	
	95.0	-.04	-.10	-.13		.02	.01	-.01	
0.40	0	0.33	0.20	0.07		----	----	----	
	2.5	-.86	-1.12	-1.20		0.32	0.41	0.48	
	4.6	----	----	----		.32	.40	.46	
	6.0	-1.08	-1.14	-1.06		.33	.40	.45	
	7.5	-.94	-1.06	-1.01		.26	.33	.40	
	10.0	-.57	-.81	-.91		.20	.28	.35	
	15.0	-.51	-.65	-.82		.15	.22	.29	
	20.0	-.49	-.60	-.78		.11	.19	.25	
	25.0	-.48	-.58	-.73		.08	.15	.21	
	30.0	-.47	-.57	-.72		.06	.13	.19	
	35.0	-.49	-.58	-.73		.03	.09	.15	
	40.0	-.51	-.58	-.73		.01	.07	.12	
	45.0	-.53	-.60	-.74		-.02	.03	.08	
	55.0	-.52	-.62	-.75		-.04	.01	.05	
	65.0	-.46	-.61	-.64		-.04	-.01	.04	
	75.0	-.17	-.31	-.33		-.04	0	.01	
	85.0	-.04	-.10	-.18		-.01	.01	0	
	95.0	.04	-.01	-.10		.02	----	-.03	
0.55	0	0.34	0.19	0.06		----	----	----	
	2.5	-.88	-1.16	-1.30		0.27	0.37	0.44	
	5.0	-.79	-1.07	-1.23		.25	.33	.39	
	7.4	-.82	-1.07	-1.21		.26	.33	.38	
	9.0	-1.15	-1.25	-1.30		.26	.32	.37	
	10.0	-1.14	-1.25	-1.29		.23	.29	.35	
	15.0	-.97	-1.18	-1.26		.14	.22	.27	
	20.0	-.64	-1.02	-1.18		.10	.17	.23	
	25.0	-.55	-.71	-1.04		.07	.14	.19	
	30.0	-.54	-.60	-.96		.05	.11	.16	
	35.0	-.55	-.59	-.92		.03	.08	.14	
	40.0	-.52	-.64	-.85		----	----	----	
	45.0	-.56	-.64	-.73		-.03	.03	.07	
	55.0	-.60	-.69	-.56		-.04	0	.02	
	65.0	-.29	-.43	-.40		-.04	-.01	0	
	75.0	-.08	-.10	-.30		-.03	-.01	-.01	
	85.0	0	-.03	-.22		0	0	-.03	
	95.0	.08	.04	-.11		.05	.02	-.05	

TABLE XIV.- WING PRESSURE COEFFICIENTS; $\delta = 8.5^{\circ}$, M = 0.90, $R = 3.2 \times 10^{6}$ - Concluded

(b) $\alpha_u = 6^{\circ}, 8^{\circ}, 10^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		6	8	10		6	8	10	
0.70	2.5	-0.90	-1.16	-1.29		0.24	0.35	0.42	
	5.0	-.86	-1.12	-1.26		.20	.29	.36	
	7.5	-.80	-1.08	-1.21		.19	.27	.33	
	10.0	-.76	-1.06	-1.19		----	----	----	
	11.1	-.80	-1.06	-1.18		.21	.29	.33	
	13.0	-1.17	-1.29	-1.22		.22	.27	.32	
	20.0	-1.09	-1.25	-1.08		.11	.18	.23	
	25.0	-.87	-1.18	-.99		.08	.15	.19	
	30.0	-.63	-1.11	-.90		.06	.12	.16	
	35.0	-.57	-.95	-.82		.03	.08	.12	
	40.0	-.58	-.74	-.76		-.01	.05	.08	
	45.0	-.61	-.62	-.72		-.03	.02	.04	
	55.0	-.44	-.54	-.67		-.06	-.02	-.01	
	65.0	-.10	-.25	-.60		-.04	-.02	-.03	
	75.0	-.03	-.14	-.54		-.02	-.02	-.05	
	85.0	.02	-.04	-.46		----	----	----	
	90.0	.04	0	-.42		.04	.02	-.10	
0.85	0	0.27	0.12	-0.02		----	----	----	
	2.5	-.97	-1.19	-.93		0.21	0.32	0.39	
	5.0	-.91	-1.14	-.90		.17	.26	.32	
	7.5	-.88	-1.13	-.88		.14	.22	.28	
	10.0	-.84	-1.06	-.88		.14	.20	.25	
	15.0	-.76	-1.06	-.79		.17	.22	.26	
	16.3	-.77	-1.07	-.78		.17	.22	.26	
	20.0	-1.15	-1.08	-.77		.19	.21	.24	
	25.0	-1.11	-1.01	-.75		.10	.13	.17	
	30.0	-1.07	-.91	-.72		.06	.08	.12	
	35.0	-.86	-.82	-.69		.02	.04	.08	
	40.0	-.56	-.74	-.67		-.02	0	.03	
	45.0	-.45	-.68	-.65		-.06	-.04	-.02	
	55.0	-.16	-.57	-.60		-.08	-.08	-.08	
	65.0	-.03	-.45	-.55		-.06	-.07	-.11	
	75.0	-.01	-.33	-.50		-.02	-.05	-.12	
	85.0	.03	-.22	-.46		.02	-.02	-.15	
	90.0	.05	-.16	-.43		.05	0	-.17	
0.95	0	0.32	0.22	0.14		----	----	----	
	2.5	-1.05	-1.24	-.79		0.15	0.25	0.32	
	5.0	-.97	-1.18	-.79		.08	.17	.24	
	7.5	-.94	-1.15	-.77		.05	.12	.18	
	10.0	-.91	-1.16	-.68		.02	.08	.14	
	15.0	-.85	-1.11	-.65		-.01	.04	.08	
	20.8	-.83	-.95	-.64		-.02	.01	.05	
	23.4	----	----	----		-.01	.01	.06	
	24.5	-.83	-.72	-.62		----	----	----	
	30.0	-.59	-.64	-.60		-.04	-.07	-.04	
	35.0	-.48	-.59	-.59		-.07	-.10	-.08	
	40.0	-.40	-.54	-.57		-.09	-.12	-.10	
	45.0	-.33	-.50	-.55		-.11	-.13	-.12	
	55.0	-.22	-.42	-.48		-.10	-.13	-.15	
	65.0	-.17	-.35	-.42		-.06	-.09	-.16	
	75.0	-.13	-.30	-.40		-.02	-.07	-.16	
	85.0	-.11	-.28	-.39		.01	-.06	-.17	
	90.0	----	----	----		.02	-.07	-.19	

A
3
0
0

A
3
0
0

TABLE XV.- WING PRESSURE COEFFICIENTS; $\delta = 12^{\circ}$, $M = 0.25$, $R = 15.0 \times 10^{6}$

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.154	0	-0.08	0.36	0.50	0.49	0.24	----	----	----	----	----
	2.3	.13	-.02	-.17	-.35	-.54	-0.01	0.13	0.24	0.34	0.42
	5.0	.06	-.05	-.16	-.29	-.40	-.12	-.01	.10	.20	.29
	7.5	.03	-.07	-.16	-.26	-.36	----	----	----	----	----
	10.0	.03	-.06	-.13	-.23	-.32	----	----	----	----	----
	15.0	0	-.07	-.13	-.23	-.32	-.15	-.07	.01	.08	.15
	20.0	0	-.06	-.13	-.20	-.29	-.13	-.07	0	.06	.13
	25.0	0	-.06	-.12	-.19	-.27	-.14	-.08	-.02	.04	.10
	30.0	0	-.05	-.12	-.19	-.25	-.15	-.10	-.04	.02	.08
	35.0	-.03	-.09	-.15	-.21	-.27	-.14	-.09	-.04	.01	.07
	40.0	-.05	-.11	-.16	-.21	-.26	-.16	-.11	-.06	-.01	.04
	45.0	-.06	-.11	-.16	-.20	-.24	-.16	-.12	-.07	-.02	.03
	55.0	-.07	-.12	-.15	-.19	-.22	-.16	-.13	-.09	-.05	-.01
	65.0	-.06	-.10	-.12	-.15	-.17	-.14	-.11	-.08	-.05	-.01
	75.0	-.05	-.08	-.10	-.13	-.15	-.12	-.09	-.07	-.05	-.01
	85.0	-.02	-.05	-.06	-.07	-.08	-.07	-.05	-.03	-.02	0
	95.0	.01	0	-.01	-.01	-.02	-.02	-.01	0	.01	.02
0.25	0	-.16	.32	.48	.39	.05	----	----	----	----	----
	2.3	.15	-.09	-.36	-.70	-1.08	----	----	----	----	----
	3.6	.06	-.09	-.28	-.49	-.69	----	----	----	----	----
	5.0	.06	-.07	-.21	-.38	-.55	-.13	-.01	.11	.21	.30
	7.5	.02	-.08	-.20	-.34	-.45	-.18	-.06	.05	.14	.23
	10.0	0	-.09	-.19	-.31	-.42	-.18	-.08	.02	.11	.19
	15.0	-.02	-.10	-.18	-.27	-.35	-.17	-.09	0	.07	.15
	20.0	-.04	-.10	-.17	-.24	-.32	-.15	-.09	-.01	.05	.12
	25.0	-.04	-.11	-.16	-.24	-.28	-.16	-.10	-.03	.03	.09
	30.0	-.06	-.11	-.17	-.22	-.27	-.16	-.10	-.04	.01	.07
	35.0	-.06	-.12	-.17	-.22	-.27	-.12	-.08	-.02	.03	.08
	40.0	-.05	-.10	-.15	-.20	-.24	-.17	-.12	-.07	-.02	.03
	45.0	-.07	-.11	-.16	-.20	-.24	-.17	-.13	-.08	-.04	.01
	55.0	-.07	-.11	-.15	-.18	-.22	-.16	-.13	-.08	-.05	-.01
	65.0	-.06	-.09	-.12	-.15	-.17	-.12	-.10	-.06	-.04	0
	75.0	-.04	-.07	-.09	-.11	-.13	-.09	-.07	-.05	-.03	0
	85.0	-.02	-.04	-.05	-.06	-.08	-.05	-.04	-.02	-.01	.01
	95.0	.02	.01	.01	0	0	.01	.01	.02	.02	.03
0.40	0	-.47	.19	.45	.46	.08	----	----	----	----	----
	2.5	.29	.10	-.13	-.42	-.76	-.44	-.15	.06	.21	.34
	4.6	----	----	----	----	----	-.36	-.01	.09	.23	.33
	6.0	-.01	-.18	-.34	-.58	-.78	-.28	0	.16	.23	.32
	7.5	0	-.13	-.27	-.42	-.60	-.25	-.07	.07	.15	.26
	10.0	-.01	-.13	-.24	-.38	-.53	-.22	-.10	.02	.11	.21
	15.0	-.03	-.12	-.22	-.31	-.42	-.20	-.12	0	.07	.15
	20.0	-.05	-.13	-.20	-.29	-.37	-.18	-.11	-.01	.05	.13
	25.0	-.05	-.11	-.18	-.25	-.32	-.19	-.11	-.03	.03	.09
	30.0	-.06	-.11	-.18	-.24	-.29	-.16	-.11	-.04	.02	.08
	35.0	-.07	-.12	-.18	-.24	-.29	-.17	-.14	-.05	-.01	.05
	40.0	-.06	-.12	-.18	-.24	-.28	-.17	-.13	-.06	-.02	.04
	45.0	-.09	-.13	-.18	-.23	-.26	-.18	-.14	-.07	-.04	.01
	55.0	-.07	-.11	-.15	-.19	-.22	-.17	-.14	-.08	-.04	-.01
	65.0	-.06	-.09	-.12	-.15	-.17	-.12	-.11	-.06	-.04	0
	75.0	-.04	-.06	-.08	-.10	-.11	-.09	-.08	-.04	-.03	0
	85.0	-.02	-.03	.03	-.04	-.05	-.04	-.04	0	0	.02
	95.0	.03	.02	.02	.01	.02	0	0	.03	.02	.04
0.55	0	-.73	.10	.41	.46	.17	----	----	----	----	----
	2.5	.36	.19	-.04	-.32	-.67	-.55	-.27	-.05	.16	.30
	5.0	.19	.01	-.17	-.42	-.70	-.33	-.14	.01	.16	.26
	7.4	-.03	-.24	-.44	-.75	-1.01	-.21	-.03	.05	.18	.27
	9.0	-.10	-.26	-.44	-.63	-.82	-.18	-.02	.10	.18	.26
	10.0	-.05	-.18	-.34	-.50	-.68	-.18	-.05	.06	.15	.22
	15.0	-.05	-.16	-.25	-.38	-.49	-.20	-.11	-.01	.08	.15
	20.0	-.05	-.13	-.22	-.31	-.39	-.20	-.13	.03	.05	.12
	25.0	-.05	-.11	-.19	-.25	-.34	-.19	-.12	.05	.02	.08
	30.0	-.05	-.11	-.18	-.24	-.31	-.19	-.13	.05	.01	.06
	35.0	-.06	-.13	-.17	-.24	-.28	-.19	-.14	-.07	-.02	.05
	40.0	-.08	-.13	-.18	-.22	-.29	----	----	----	----	----
	45.0	-.08	-.13	-.18	-.23	-.28	-.18	-.14	-.09	-.03	.01
	55.0	-.08	-.13	-.16	-.19	-.23	-.16	-.13	-.09	-.04	-.01
	65.0	-.08	-.10	-.13	-.15	-.18	-.13	-.10	-.07	-.03	-.01
	75.0	-.04	-.07	-.09	-.09	-.13	-.08	-.07	-.04	-.02	0
	85.0	-.01	-.03	-.05	-.04	-.06	-.04	-.03	-.01	.01	.02
	95.0	.04	.03	.04	.03	.02	.01	.02	.02	.03	.03

TABLE XV.- WING PRESSURE COEFFICIENTS; $\delta = 12^{\circ}$, M = 0.25, R = 15.0×10^{6} - Continued

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.70	2.5	0.39	0.23	0.02	-0.27	-0.64	-0.72	-0.49	-0.14	0.11	0.29
	5.0	.26	.11	-.09	-.31	-.60	-.45	-.26	-.07	.10	.23
	7.5	.16	0	-.17	-.38	-.62	-.31	-.17	-.04	.11	.21
	10.0	.04	-.13	-.29	-.50	-.72	----	----	----	----	----
	11.1	-.04	-.22	-.38	-.61	-.84	-.16	-.03	.10	.14	.23
	13.0	-.16	-.32	-.47	-.65	-.84	-.15	-.03	.10	.18	.24
	20.0	-.06	-.16	-.24	-.34	-.46	-.19	-.11	-.01	.07	.13
	25.0	-.06	-.13	-.20	-.28	-.38	-.19	-.11	-.03	.04	.11
	30.0	-.06	-.13	-.19	-.25	-.33	-.19	-.12	-.04	.02	.08
	35.0	-.08	-.14	-.19	-.24	-.31	-.19	-.12	-.05	0	.06
	40.0	-.09	-.14	-.19	-.23	-.29	-.19	-.13	-.07	-.02	.03
	45.0	-.11	-.15	-.18	-.23	-.28	-.19	-.15	-.09	-.03	0
	55.0	-.11	-.15	-.17	-.19	-.23	-.16	-.13	-.08	-.04	-.01
	65.0	-.10	-.12	-.13	-.15	-.18	-.08	-.06	-.04	-.01	.01
	75.0	-.06	-.08	-.09	-.09	-.11	-.05	-.04	-.02	0	.02
	85.0	-.02	-.05	-.04	-.04	-.05	----	----	----	----	----
	90.0	0	-.02	-.01	-.01	-.03	.02	.02	.03	.04	.05
0.85	0	-.96	-.01	.39	.48	.24	----	----	----	----	----
	2.5	.43	.27	.10	-.22	-.65	-1.05	-.66	-.34	-.07	.16
	5.0	.32	.17	.01	-.22	-.48	-.60	-.37	-.17	.02	.16
	7.5	.21	.07	-.08	-.29	-.50	-.42	-.27	-.12	.02	.14
	10.0	.14	0	-.13	-.33	-.50	-.26	-.16	-.05	.05	.15
	15.0	0	-.14	-.27	-.44	-.62	-.13	0	.09	.15	.20
	16.3	-.07	-.22	-.35	-.53	-.72	-.11	.03	.12	.18	.23
	20.0	-.13	-.23	-.35	-.48	-.61	-.04	.06	.12	.17	.21
	25.0	-.07	-.15	-.24	-.32	-.42	-.04	-.01	.05	.09	.13
	30.0	-.06	-.12	-.19	-.26	-.34	-.07	-.04	.01	.05	.09
	35.0	-.06	-.12	-.17	-.23	-.30	-.08	-.05	0	.03	.07
	40.0	-.07	-.12	-.16	-.21	-.27	-.08	-.06	-.02	.01	.04
	45.0	-.08	-.12	-.16	-.21	-.25	-.09	-.07	-.04	-.01	.02
	55.0	-.08	-.11	-.13	-.17	-.20	-.09	-.07	-.05	-.03	-.01
	65.0	-.05	-.08	-.09	-.12	-.14	-.06	-.05	-.03	-.02	-.01
	75.0	-.03	-.04	-.05	-.07	-.09	-.03	-.02	-.01	0	.01
	85.0	0	0	0	-.01	-.03	.01	.02	.02	.03	.03
	90.0	.03	.02	.02	.01	-.01	.03	.04	.04	.04	.04
0.95	0	-.87	-.06	.33	.48	.37	----	----	----	----	----
	2.5	.40	.26	.10	-.19	-.46	-1.13	-.74	-.43	-.19	.06
	5.0	.28	.13	0	-.17	-.42	-.65	-.45	-.26	-.09	.05
	7.5	.20	.08	-.04	-.22	-.42	-.43	-.31	-.17	-.06	.05
	10.0	.14	.02	-.09	-.24	-.40	-.27	-.20	-.11	-.03	.05
	15.0	.02	-.08	-.18	-.29	-.42	-.11	-.04	.01	.04	.08
	20.8	-.14	-.24	-.33	-.45	-.57	-.04	.08	.13	.15	.16
	23.4	----	----	----	----	----	-.01	.11	.17	.18	.20
	24.5	-.18	-.25	-.33	-.41	-.50	----	----	----	----	----
	30.0	-.11	-.16	-.20	-.26	-.32	.05	.05	.07	.07	.07
	35.0	-.09	-.12	-.16	-.20	-.26	.01	0	.02	.02	.03
	40.0	-.08	-.11	-.13	-.18	-.23	-.02	-.02	0	0	.01
	45.0	-.08	-.10	-.12	-.16	-.22	-.05	-.04	-.03	-.02	-.02
	55.0	-.06	-.08	-.10	-.14	-.19	-.07	-.05	-.04	-.04	-.03
	65.0	-.04	-.06	-.06	-.10	-.15	-.05	-.04	-.03	-.03	-.03
	75.0	-.01	-.02	-.03	-.06	-.11	-.02	-.01	-.01	-.01	-.02
	85.0	.01	.01	0	-.03	-.07	.01	.02	.02	.02	.01
	90.0	----	----	----	----	----	.03	.03	.04	.03	.02

A-300

TABLE XV.- WING PRESSURE COEFFICIENTS; $\delta = 12^{\circ}$, M = 0.25, $R = 15.0 \times 10^{6}$ - Continued

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}, 20^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16	20	8	12	16	20
0.154	0	-0.14	-1.55	-3.60	-5.27	----	----	----	----
	2.3	-.68	-1.05	-2.00	-3.88	0.49	0.61	0.68	0.67
	5.0	-.50	-.87	-2.00	-3.30	.37	.51	.59	.61
	7.5	-.46	-.73	-1.69	-1.51	----	----	----	----
	10.0	-.40	-.73	-1.07	-1.00	----	----	----	----
	15.0	-.42	-.65	-.76	-.69	.22	.34	.43	.49
	20.0	-.38	-.52	-.65	-.87	.19	.30	.40	.47
	25.0	-.34	-.45	-.51	-.61	.16	.27	.37	.45
	30.0	-.31	-.39	-.44	-.52	.13	.24	.34	.42
	35.0	-.31	-.38	-.43	-.53	.12	.22	.32	.39
	40.0	-.29	-.34	-.41	-.56	.09	.19	.29	.36
	45.0	-.28	-.34	-.42	-.52	.07	.17	.26	.33
	55.0	-.26	-.30	-.36	-.41	.04	.13	.21	.26
	65.0	-.20	-.23	-.28	-.34	.02	.10	.17	.21
	75.0	-.17	-.20	-.25	-.31	.02	.08	.14	.16
	85.0	-.09	-.10	-.14	-.24	.03	.08	.12	.13
	95.0	-.02	-.02	-.05	-.13	.03	.06	.08	.06
0.25	0	-.53	-2.53	-4.81	-4.24	----	----	----	----
	2.3	-1.46	-2.41	-2.23	-2.16	----	----	----	----
	3.6	-.89	-1.34	-2.03	-2.16	----	----	----	----
	5.0	-.70	-1.10	-1.98	-2.30	.37	.50	.57	.65
	7.5	-.59	-.87	-1.88	-2.63	.31	.45	.55	.63
	10.0	-.50	-.72	-1.74	-2.57	.27	.41	.52	.61
	15.0	-.41	-.56	-1.41	-2.23	.21	.35	.46	.55
	20.0	-.35	-.45	-1.10	-1.74	.18	.31	.41	.50
	25.0	-.32	-.42	-.83	-1.35	.15	.27	.37	.45
	30.0	-.29	-.40	-.65	-1.04	.13	.23	.34	.41
	35.0	-.29	-.40	-.55	-.84	.13	.23	.33	.39
	40.0	-.28	-.38	-.45	-.68	.08	.18	.27	.34
	45.0	-.28	-.37	-.42	-.62	.06	.15	.24	.30
	55.0	-.25	-.32	-.36	-.56	.03	.12	.19	.24
	65.0	-.21	-.27	-.29	-.51	.03	.10	.16	.19
	75.0	-.16	-.20	-.21	-.41	.03	.09	.13	.15
	85.0	-.09	-.12	-.13	-.30	.03	.08	.11	.10
	95.0	-.01	-.03	-.03	-.16	.04	.07	.08	.03
0.40	0	-.59	-3.11	-5.14	-3.39	----	----	----	----
	2.5	-1.13	-2.09	-2.15	-1.44	.44	.54	.58	.59
	4.6	----	----	----	----	.41	.52	.58	.61
	6.0	-.98	-1.41	-1.66	-1.41	.39	.50	.57	.60
	7.5	-.74	-1.15	-1.65	-1.40	.33	.46	.55	.58
	10.0	-.65	-.96	-1.62	-1.39	.29	.42	.51	.56
	15.0	-.51	-.71	-1.55	-1.39	.23	.36	.45	.51
	20.0	-.44	-.59	-1.47	-1.39	.19	.32	.41	.46
	25.0	-.36	-.47	-1.32	-1.33	.16	.27	.35	.42
	30.0	-.31	-.42	-1.16	-1.26	.15	.25	.32	.38
	35.0	-.30	-.38	-.98	-1.20	.11	.21	.28	.33
	40.0	-.30	-.35	-.79	-1.11	.08	.18	.25	.29
	45.0	-.29	-.32	-.64	-1.04	.07	.15	.21	.25
	55.0	-.25	-.29	-.42	-.88	.03	.11	.16	.19
	65.0	-.19	-.21	-.28	-.76	.04	.09	.12	.13
	75.0	-.13	-.14	-.18	-.66	.03	.08	.09	.08
	85.0	-.06	-.07	-.19	-.60	.05	.07	.07	0
	95.0	.02	.02	-.09	-.49	.04	.06	.02	-.15
0.55	0	-.51	-3.05	-3.81	-2.17	----	----	----	----
	2.5	-1.07	-2.12	-1.85	-.96	.42	.51	.55	.57
	5.0	-.98	-1.70	-1.69	-.95	.36	.47	.53	.57
	7.4	-1.29	-1.96	-1.59	-.95	.35	.45	.52	.56
	9.0	-1.01	-1.44	-1.50	-.95	.33	.43	.50	.54
	10.0	-.83	-1.23	-1.48	-.95	.31	.42	.47	.53
	15.0	-.60	-.86	-1.44	-.93	.24	.35	.41	.48
	20.0	-.48	-.68	-1.38	-.92	.19	.30	.37	.43
	25.0	-.40	-.56	-1.32	-.90	.16	.26	.32	.38
	30.0	-.35	-.47	-1.24	-.90	.14	.22	.28	.34
	35.0	-.32	-.43	-1.15	-.88	.10	.19	.24	.31
	40.0	-.33	-.75	-.98	-.84	----	----	----	----
	45.0	-.31	-.62	-.94	-.83	.06	.13	.18	.21
	55.0	-.25	-.42	-.84	-.79	.04	.09	.12	.15
	65.0	-.19	-.29	-.74	-.74	.03	.07	.08	.09
	75.0	-.12	-.19	-.64	-.69	.04	.06	.05	.02
	85.0	-.06	-.11	-.53	-.64	.04	.05	-.01	-.07
	95.0	.02	.03	-.17	-.57	.04	.03	-.13	-.26

TABLE XV.- WING PRESSURE COEFFICIENTS; $\delta = 12^{\circ}$, M = 0.25, $R = 15.0 \times 10^{6}$ - Concluded

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}, 20^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16	20	8	12	16	20
0.70	2.5	-1.07	-2.15	-1.40	-0.79	0.42	0.49	0.52	0.53
	5.0	-.88	-1.61	-1.28	-.79	.34	.44	.49	.53
	7.5	-.86	-1.45	-1.21	-.79	.30	.40	.46	.51
	10.0	-.95	-1.45	-1.15	-.79	----	----	----	----
	11.1	-1.08	-1.57	-1.11	-.78	.31	.38	.43	.49
	13.0	-1.01	-1.40	-1.05	-.74	.32	.38	.41	.48
	20.0	-.57	-.96	-.74	-.70	.20	.28	.33	.39
	25.0	-.47	-.93	-.72	-.69	.17	.23	.29	.36
	30.0	-.41	-.90	-.72	-.69	.15	.21	.26	.31
	35.0	-.38	-.87	-.70	-.67	.11	.18	.21	.27
	40.0	-.35	-.84	-.69	-.65	.08	.15	.17	.22
	45.0	-.32	-.78	-.68	-.65	.06	.11	.14	.18
	55.0	-.26	-.68	-.67	-.64	.02	.05	.07	.11
	65.0	-.19	-.57	-.64	-.61	.04	.09	.09	.06
	75.0	-.12	-.45	-.59	-.59	.04	.07	.04	-.01
	85.0	-.06	-.34	-.55	-.56	----	----	----	----
	90.0	-.02	-.29	-.53	-.55	.05	.07	.07	-.16
0.85	0	-.32	-2.76	-2.30	-1.66	----	----	----	----
	2.5	-1.01	-2.15	-.92	-.63	.34	.49	.50	.50
	5.0	-.77	-1.48	-.88	-.63	.29	.45	.48	.48
	7.5	-.74	-1.30	-.86	-.63	.24	.40	.44	.45
	10.0	-.72	-1.20	-.84	-.63	.23	.36	.40	.41
	15.0	-.81	-1.21	-.73	-.59	.25	.34	.38	.39
	16.3	-.91	-1.31	-.71	-.59	.27	.34	.37	.38
	20.0	-.74	-1.02	-.64	-.56	.25	.32	.35	.36
	25.0	-.52	-.72	-.60	-.54	.18	.26	.29	.30
	30.0	-.42	-.58	-.57	-.53	.13	.21	.24	.25
	35.0	-.36	-.50	-.54	-.52	.11	.18	.21	.21
	40.0	-.32	-.44	-.52	-.50	.08	.14	.17	.17
	45.0	-.30	-.40	-.49	-.50	.05	.11	.13	.13
	55.0	-.24	-.32	-.46	-.48	.02	.07	.07	.06
	65.0	-.17	-.24	-.42	-.46	.01	.05	.03	.01
	75.0	-.11	-.17	-.39	-.44	.02	.04	-.02	-.04
	85.0	-.05	-.10	-.36	-.42	.03	.04	-.07	-.11
	90.0	-.02	-.06	-.35	-.41	.04	.04	-.11	-.15
0.95	0	.01	-1.59	-1.59	-.98	----	----	----	----
	2.5	-.85	-1.82	-1.00	-.56	.24	.44	.45	.44
	5.0	-.66	-1.31	-.75	-.55	.17	.36	.39	.39
	7.5	-.60	-1.11	-.70	-.55	.14	.29	.34	.34
	10.0	-.58	-.98	-.65	-.52	.12	.24	.28	.29
	15.0	-.55	-.86	-.59	-.51	.11	.17	.22	.22
	20.8	-.70	-.99	-.53	-.50	.16	.17	.21	.20
	23.4	----	----	----	----	.19	.18	.21	.21
	24.5	-.61	-.85	-.48	-.48	----	----	----	----
	30.0	-.40	-.59	-.46	-.46	.07	.07	.12	.12
	35.0	-.33	-.50	-.45	-.45	.03	.03	.09	.09
	40.0	-.29	-.46	-.43	-.44	.02	.02	.08	.08
	45.0	-.28	-.44	-.42	-.41	-.01	-.01	.05	.05
	55.0	-.25	-.41	-.39	-.39	-.03	-.03	.01	0
	65.0	-.21	-.35	-.36	-.38	-.03	-.03	-.02	-.04
	75.0	-.16	-.33	-.34	-.36	-.02	-.02	-.04	-.07
	85.0	-.13	-.29	-.32	-.35	0	-.02	-.08	-.11
	90.0	----	----	----	----	0	-.02	-.10	-.13

TABLE XVI.- WING PRESSURE COEFFICIENTS; $\delta = 12^{\circ}$, $M = 0.60$, $R = 3.2\times10^{6}$

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.154	0	0.06	0.41	0.53	0.54	0.41	----	----	----	----	----
	2.3	.10	-.04	-.16	-.36	-.51	-0.02	0.16	0.28	0.36	0.43
	5.0	.03	-.06	-.17	-.31	-.40	-.15	-.03	.09	.19	.28
	7.5	.01	-.08	-.17	-.29	-.38	----	----	----	----	----
	10.0	-.01	-.08	-.14	-.26	-.34	----	----	----	----	----
	15.0	-.04	-.09	-.16	-.27	-.35	-.17	-.07	.01	.08	.16
	20.0	-.01	-.08	-.15	-.23	-.32	-.16	-.08	-.01	.07	.14
	25.0	-.01	-.07	-.14	-.22	-.29	-.16	-.09	-.03	.04	.11
	30.0	-.02	-.09	-.15	-.23	-.29	-.18	-.12	-.05	.02	.08
	35.0	-.04	-.11	-.18	-.24	-.30	-.17	-.11	-.05	.01	.07
	40.0	-.07	-.14	-.19	-.25	-.29	-.19	-.13	-.08	-.02	.04
	45.0	-.08	-.13	-.18	-.24	-.27	-.19	-.14	-.09	-.04	.02
	55.0	-.10	-.14	-.18	-.23	-.25	-.20	-.16	-.11	-.07	-.01
	65.0	-.09	-.12	-.15	-.19	-.21	-.17	-.14	-.10	-.06	-.02
	75.0	-.08	-.11	-.13	-.16	-.18	-.15	-.12	-.09	-.06	-.02
	85.0	-.05	-.07	-.08	-.10	-.11	-.10	-.08	-.05	-.03	0
	95.0	-.02	-.03	-.04	-.04	-.05	-.04	-.03	-.02	-.01	.01
0.25	0	.12	.36	.49	.46	.21	----	----	----	----	----
	2.3	.11	-.09	-.36	-.74	-1.09	----	----	----	----	----
	3.6	0	-.14	-.33	-.61	-.91	----	----	----	----	----
	5.0	.01	-.09	-.22	-.41	-.50	-.38	-.01	.11	.21	.30
	7.5	-.02	-.11	-.22	-.37	-.48	-.11	-.07	.04	.14	.22
	10.0	-.04	-.12	-.22	-.34	-.43	-.14	-.09	.01	.10	.19
	15.0	-.06	-.12	-.20	-.30	-.37	-.17	-.10	-.01	.07	.14
	20.0	-.07	-.13	-.18	-.28	-.33	-.17	-.10	-.03	.05	.12
	25.0	-.09	-.13	-.18	-.27	-.31	-.18	-.11	-.04	.02	.09
	30.0	-.09	-.13	-.18	-.26	-.31	-.18	-.12	-.06	.01	.07
	35.0	-.12	-.16	-.18	-.27	-.30	-.18	-.12	-.06	-.01	.05
	40.0	-.07	-.12	-.18	-.23	-.28	-.20	-.14	-.09	-.04	.02
	45.0	-.09	-.14	-.19	-.23	-.28	-.21	-.15	-.10	-.05	0
	55.0	-.10	-.14	-.18	-.21	-.25	-.19	-.15	-.11	-.07	-.02
	65.0	-.09	-.12	-.15	-.18	-.21	-.15	-.12	-.09	-.06	-.02
	75.0	-.07	-.09	-.11	-.13	-.16	-.12	-.09	-.07	-.04	-.01
	85.0	-.04	-.05	-.07	-.08	-.10	-.07	-.05	-.04	-.02	0
	95.0	.01	0	0	-.01	-.01	-.01	0	0	.01	.02
0.40	0	-.01	.29	.47	.46	.21	----	----	----	----	----
	2.5	.23	.08	-.14	-.47	-.81	-.40	-.24	-.03	.18	.31
	4.6	----	----	----	----	----	-.39	-.22	.14	.21	.32
	6.0	-.11	-.25	-.44	-.70	-.94	-.38	-.15	.17	.29	.34
	7.5	-.06	-.16	-.29	-.48	-.57	-.39	-.11	.08	.18	.27
	10.0	-.08	-.16	-.27	-.43	-.53	-.39	-.08	.02	.13	.21
	15.0	-.09	-.16	-.25	-.38	-.45	-.28	-.11	-.02	.07	.16
	20.0	-.11	-.16	-.24	-.33	-.40	-.22	-.12	-.03	.04	.13
	25.0	-.10	-.15	-.22	-.30	-.36	-.20	-.12	-.05	.02	.10
	30.0	-.11	-.16	-.20	-.28	-.33	-.18	-.12	-.05	.01	.08
	35.0	-.11	-.16	-.19	-.27	-.32	-.20	-.14	-.07	-.02	.06
	40.0	-.12	-.16	-.21	-.27	-.29	-.19	-.15	-.09	-.03	.03
	45.0	-.14	-.17	-.22	-.27	-.31	-.20	-.16	-.10	-.05	.01
	55.0	-.11	-.14	-.18	-.23	-.26	-.18	-.15	-.10	-.06	-.01
	65.0	-.09	-.12	-.15	-.18	-.20	-.14	-.11	-.07	-.04	0
	75.0	-.06	-.09	-.10	-.13	-.14	-.10	-.08	-.06	-.03	-.01
	85.0	-.02	-.04	-.05	-.06	-.06	-.05	-.04	-.02	-.01	-.03
	95.0	.02	-.02	.02	.02	-.02	.01	.01	.02	.03	.04
0.55	0	-.09	.20	.47	.47	.23	----	----	----	----	----
	2.5	.27	.15	-.05	-.39	-.75	-.59	-.41	-.17	.09	.26
	5.0	.11	-.04	-.23	-.51	-.75	-.63	-.27	.02	.14	.25
	7.4	-.13	-.30	-.54	-.87	-1.15	-.64	-.14	.12	.15	.27
	9.0	-.18	-.32	-.49	-.78	-.92	-.63	-.09	.13	.25	.29
	10.0	-.14	-.28	-.45	-.63	-.72	-.61	-.08	.09	.19	.25
	15.0	-.12	-.18	-.30	-.45	-.54	-.41	-.09	.01	.09	.16
	20.0	-.11	-.16	-.26	-.36	-.45	-.23	-.12	-.03	.05	.12
	25.0	-.09	-.16	-.23	-.32	-.38	-.16	-.13	-.05	.02	.10
	30.0	-.11	-.16	-.22	-.30	-.35	-.15	-.13	-.05	0	.07
	35.0	-.12	-.16	-.23	-.29	-.32	-.16	-.14	-.07	-.02	.05
	40.0	-.09	-.15	-.20	-.27	-.32	----	----	----	----	----
	45.0	-.10	-.16	-.20	-.26	-.31	-.17	-.15	-.09	-.05	.01
	55.0	-.10	-.15	-.18	-.23	-.26	-.15	-.13	-.09	-.06	-.01
	65.0	-.09	-.12	-.14	-.18	-.20	-.12	-.11	-.07	-.05	-.01
	75.0	-.05	-.08	-.09	-.11	-.13	-.07	-.07	-.04	-.03	.01
	85.0	-.01	-.03	-.04	-.05	-.06	-.02	-.03	0	0	.02
	95.0	----	----	----	----	----	.03	.02	.03	.03	.04

TABLE XVI.- WING PRESSURE COEFFICIENTS; $\delta = 12^{\circ}$, M = 0.60, $R = 3.2 \times 10^{6}$ - Continued

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.70	2.5	0.31	0.20	0	-0.35	-0.71	-0.61	-0.57	-0.31	0.02	0.22
	5.0	.17	.06	-.12	-.41	-.69	-.59	-.37	-.10	.06	.19
	7.5	.07	-.05	-.22	-.49	-.71	-.59	-.23	-.02	.09	.20
	10.0	-.04	-.19	-.36	-.61	-.79	----	----	----	----	----
	11.1	-.13	-.27	-.46	-.73	-.94	-.62	-.13	.11	.20	.22
	13.0	-.27	-.40	-.57	-.84	-.97	-.62	-.09	.13	.21	.29
	20.0	-.08	-.18	-.29	-.40	-.54	-.47	-.09	.01	.08	.14
	25.0	-.07	-.16	-.23	-.33	-.44	-.27	-.10	-.02	.04	.11
	30.0	-.07	-.15	-.21	-.30	-.38	-.15	-.11	-.04	.02	.08
	35.0	-.08	-.15	-.21	-.28	-.36	-.12	-.12	-.06	0	.05
	40.0	-.10	-.16	-.19	-.28	-.34	-.11	-.13	-.07	-.02	.02
	45.0	-.11	-.17	-.21	-.26	-.32	-.12	-.14	-.08	-.04	0
	55.0	-.11	-.16	-.18	-.23	-.27	-.11	-.13	-.09	-.05	-.02
	65.0	-.09	-.12	-.14	-.17	-.20	----	----	----	----	----
	75.0	-.05	-.08	-.08	-.10	-.13	----	----	----	----	----
	85.0	-.01	-.03	-.03	-.05	-.06	----	----	----	----	----
	90.0	.01	0	0	-.01	-.02	----	----	----	----	----

TABLE XVI.- WING PRESSURE COEFFICIENTS; $\delta = 12^{\circ}$, M = 0.60, $R = 3.2 \times 10^{6}$ - Continued

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}, 20^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16	20	8	12	16	20
0.154	0	0.14	-0.53	-1.01	-0.91	----	----	----	----
	2.3	-.74	-1.32	-2.71	-1.29	0.50	0.62	0.69	0.71
	5.0	-.56	-1.13	-2.50	-1.29	.37	.51	.59	.62
	7.5	-.53	-1.09	-1.32	-1.24	----	----	----	----
	10.0	-.50	-.93	-.98	-1.21	----	----	----	----
	15.0	-.49	-.77	-.86	-1.16	.23	.35	.44	.50
	20.0	-.41	-.60	-.65	-1.04	.20	.32	.41	.47
	25.0	-.37	-.53	-.59	-1.00	.17	.29	.38	.44
	30.0	-.35	-.47	-.55	-.90	.14	.25	.35	.41
	35.0	-.35	-.47	-.55	-.82	.12	.23	.32	.38
	40.0	-.34	-.40	-.47	-.77	.09	.19	.28	.34
	45.0	-.31	-.40	-.45	-.70	.07	.17	.25	.31
	55.0	-.29	-.34	-.46	-.61	.03	.12	.19	.23
	65.0	-.23	-.28	-.36	-.55	.02	.09	.15	.18
	75.0	-.20	-.23	-.36	-.54	.01	.07	.11	.12
	85.0	-.12	-.15	-.24	-.49	.02	.06	.08	.06
	95.0	-.05	-.07	-.13	-.40	.02	.03	.03	-.06
0.25	0	-.18	-.82	-1.40	-1.11	----	----	----	----
	2.3	-1.63	-2.05	-2.07	-1.06	----	----	----	----
	3.6	-.98	-1.98	-2.14	-1.12	----	----	----	----
	5.0	-.77	-1.98	-2.23	-1.13	.38	.51	.60	.65
	7.5	-.65	-1.92	-2.40	-1.14	.31	.45	.56	.61
	10.0	-.57	-1.81	-2.44	-1.18	.27	.41	.52	.58
	15.0	-.48	-1.11	-2.18	-1.18	.22	.35	.45	.51
	20.0	-.43	-.43	-1.59	-1.17	.18	.31	.41	.47
	25.0	-.39	-.42	-.94	-1.14	.15	.27	.36	.43
	30.0	-.36	-.43	-.63	-1.10	.13	.24	.33	.38
	35.0	-.35	-.44	-.53	-1.06	.11	.21	.30	.35
	40.0	-.33	-.38	-.44	-.94	.07	.18	.26	.30
	45.0	-.32	-.37	-.44	-.91	.05	.15	.22	.27
	55.0	-.29	-.33	-.43	-.84	.03	.11	.17	.20
	65.0	-.24	-.28	-.39	-.78	.02	.09	.14	.15
	75.0	-.18	-.21	-.33	-.72	.02	.07	.10	.09
	85.0	-.11	-.13	-.25	-.65	.02	.06	.06	.01
	95.0	-.02	-.04	-.14	-.54	.03	.04	0	-.14
0.40	0	-.21	-.82	-1.24	-1.06	----	----	----	----
	2.5	-1.14	-1.57	-1.46	-.98	.41	.52	.59	.61
	4.6	----	----	----	----	.40	.50	.56	.60
	6.0	-1.12	-1.55	-1.47	-1.00	.40	.49	.56	.59
	7.5	-.87	-1.56	-1.47	-.98	.34	.45	.53	.57
	10.0	-.76	-1.56	-1.46	-.98	.29	.41	.49	.54
	15.0	-.61	-1.57	-1.46	-.98	.23	.35	.43	.49
	20.0	-.53	-1.57	-1.47	-.97	.19	.30	.38	.44
	25.0	-.45	-1.50	-1.41	-.96	.16	.26	.34	.40
	30.0	-.42	-1.31	-1.36	-.98	.14	.24	.31	.36
	35.0	-.39	-.97	-1.27	-.94	.10	.19	.26	.32
	40.0	-.37	-.46	-1.17	-.94	.08	.17	.23	.28
	45.0	-.38	-.25	-1.06	-.94	.05	.13	.19	.23
	55.0	-.29	-.18	-.83	-.82	.03	.09	.13	.16
	65.0	-.22	-.17	-.68	-.78	.03	.07	.09	.11
	75.0	-.15	-.13	-.56	-.75	.02	.05	.05	.03
	85.0	-.07	-.09	-.45	-.71	.03	.05	0	-.06
	95.0	.02	-.01	-.32	-.67	.04	.04	-.10	-.28
0.55	0	-.19	-.58	-.79	-.90	----	----	----	----
	2.5	-1.31	-1.28	-1.00	-.88	.38	.50	.55	.57
	5.0	-1.13	-1.27	-.97	-.88	.34	.45	.52	.55
	7.4	-1.58	-1.25	-.98	-.89	.35	.45	.50	.53
	9.0	-1.17	-1.22	-.99	-.88	.35	.44	.48	.52
	10.0	-.99	-1.22	-.96	-.86	.32	.41	.47	.51
	15.0	-.73	-1.21	-.95	-.86	.24	.34	.41	.45
	20.0	-.60	-1.20	-.94	-.84	.19	.30	.36	.41
	25.0	-.51	-1.19	-.92	-.83	.16	.26	.32	.36
	30.0	-.45	-1.18	-.90	-.83	.13	.22	.27	.32
	35.0	-.41	-1.17	-.89	-.82	.11	.19	.23	.28
	40.0	-.37	-1.06	-.84	-.75	----	----	----	----
	45.0	-.35	-1.00	-.83	-.74	.06	.13	.16	.20
	55.0	-.29	-.82	-.80	-.72	.03	.08	.10	.12
	65.0	-.21	-.60	-.74	-.70	.03	.06	.05	.05
	75.0	-.14	-.41	-.69	-.68	.03	.04	0	-.02
	85.0	-.06	-.26	-.63	-.65	.03	.03	-.07	-.12
	95.0	----	----	----	----	.04	0	-.24	-.32

TABLE XVI.- WING PRESSURE COEFFICIENTS; $\delta = 12^{\circ}$, $M = 0.60$, $R = 3.2 \times 10^{6}$ - Concluded

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}, 20^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16	20	8	12	16	20
0.70	2.5	-1.23	-0.92	-0.75	-0.74	0.36	0.47	0.51	0.53
	5.0	-1.03	-.90	-.74	-.75	.30	.41	.47	.51
	7.5	-1.04	-.89	-.75	-.75	.29	.38	.44	.48
	10.0	-1.12	-.86	-.75	-.76	----	----	----	----
	11.1	-1.28	-.88	-.76	-.77	.30	.38	.43	.46
	13.0	-1.19	-.85	-.75	-.74	.32	.38	.42	.45
	20.0	-.66	-.76	-.70	-.69	.20	.28	.33	.37
	25.0	-.54	-.74	-.69	-.68	.17	.24	.29	.33
	30.0	-.47	-.72	-.69	-.67	.14	.21	.25	.29
	35.0	-.42	-.70	-.68	-.66	.10	.17	.20	.24
	40.0	-.39	-.68	-.66	-.65	.08	.13	.16	.20
	45.0	-.36	-.67	-.65	-.65	.05	.10	.12	.15
	55.0	-.29	-.64	-.63	-.64	.02	.04	.05	.07
	65.0	-.21	-.60	-.61	-.62	----	----	----	----
	75.0	-.13	-.55	-.58	-.61	----	----	----	----
	85.0	-.06	-.50	-.55	-.59	----	----	----	----
	90.0	-.03	-.47	-.54	-.58	----	----	----	----

A
3
0
0

A
3
0
0

TABLE XVII.- WING PRESSURE COEFFICIENTS; $\delta = 12^{\circ}$, M = 0.80, R = 3.2×10^{6}

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.154	0	0.23	0.45	0.59	0.62	0.54	----	----	----	----	----
	2.3	.18	.03	-.11	-.28	-.51	0.03	0.21	0.33	0.40	0.47
	5.0	.10	-.01	-.14	-.26	-.40	-.12	.01	.12	.21	.30
	7.5	.06	-.03	-.16	-.26	-.39	----	----	----	----	----
	10.0	.06	-.03	-.14	-.22	-.36	----	----	----	----	----
	15.0	.02	-.06	-.16	-.25	-.41	-.16	-.06	.02	.10	.17
	20.0	0	-.06	-.14	-.24	-.35	-.15	-.06	.01	.08	.15
	25.0	0	-.06	-.14	-.23	-.32	-.16	-.08	-.01	.05	.13
	30.0	0	-.07	-.16	-.24	-.31	-.19	-.11	-.04	.03	.09
	35.0	-.03	-.10	-.18	-.26	-.33	-.18	-.11	-.04	.01	.07
	40.0	-.07	-.14	-.20	-.27	-.33	-.21	-.14	-.07	-.02	.04
	45.0	-.08	-.14	-.20	-.26	-.32	-.22	-.15	-.09	-.03	.02
	55.0	-.11	-.16	-.21	-.26	-.32	-.24	-.17	-.12	-.07	-.02
	65.0	-.10	-.13	-.18	-.22	-.25	-.21	-.15	-.11	-.07	-.03
	75.0	-.09	-.12	-.16	-.19	-.23	-.17	-.13	-.10	-.07	-.03
	85.0	-.06	-.07	-.09	-.11	-.13	-.11	-.08	-.06	-.04	-.01
	95.0	-.02	-.02	-.04	-.04	-.05	-.04	-.03	-.02	-.01	0
0.25	0	.24	.41	.52	.52	.38	----	----	----	----	----
	2.3	.15	.04	-.35	-.70	-1.08	----	----	----	----	----
	3.6	.05	-.09	-.32	-.60	-1.00	----	----	----	----	----
	5.0	.07	-.05	-.21	-.34	-.54	-.41	.04	.13	.22	.31
	7.5	.03	-.07	-.21	-.35	-.52	-.10	-.04	.05	.15	.24
	10.0	.01	-.08	-.21	-.33	-.47	-.14	-.07	.02	.11	.20
	15.0	0	-.09	-.21	-.30	-.40	-.17	-.09	-.01	.08	.15
	20.0	-.02	-.10	-.20	-.28	-.38	-.18	-.10	-.02	.05	.14
	25.0	-.03	-.10	-.20	-.27	-.37	-.19	-.11	-.04	.03	.10
	30.0	-.03	-.11	-.21	-.27	-.36	-.20	-.12	-.06	.01	.07
	35.0	-.05	-.12	-.22	-.29	-.37	-.21	-.13	-.06	0	.06
	40.0	-.08	-.13	-.20	-.27	-.33	-.23	-.16	-.10	-.04	.02
	45.0	-.10	-.15	-.21	-.27	-.33	-.24	-.17	-.11	-.06	0
	55.0	-.11	-.16	-.21	-.26	-.31	-.23	-.17	-.12	-.07	-.02
	65.0	-.10	-.14	-.18	-.22	-.26	-.19	-.14	-.10	-.06	-.02
	75.0	-.08	-.10	-.13	-.17	-.20	-.15	-.11	-.08	-.05	-.02
	85.0	-.04	-.06	-.08	-.10	-.12	-.08	-.06	-.04	-.02	0
	95.0	.01	.02	0	-.01	-.02	-.01	.01	.01	.01	.02
0.40	0	.14	.32	.48	.49	.36	----	----	----	----	----
	2.5	.26	.11	-.11	-.39	-.72	-.44	-.23	-.06	.19	.30
	4.6	----	----	----	----	----	-.43	-.23	.13	.20	.32
	6.0	-.08	-.21	-.45	-.72	-1.11	-.43	-.22	.17	.31	.34
	7.5	0	-.12	-.30	-.54	-.93	-.44	-.17	.09	.19	.26
	10.0	-.03	-.12	-.28	-.43	-.61	-.44	-.11	.03	.13	.21
	15.0	-.04	-.14	-.27	-.39	-.53	-.29	-.11	-.02	.07	.15
	20.0	-.06	-.13	-.26	-.36	-.51	-.23	-.12	-.04	.05	.11
	25.0	-.05	-.13	-.24	-.32	-.45	-.22	-.14	-.05	.02	.09
	30.0	-.07	-.14	-.23	-.30	-.42	-.21	-.14	-.06	.01	.08
	35.0	-.07	-.15	-.24	-.32	-.41	-.23	-.16	-.09	-.03	.04
	40.0	-.09	-.15	-.24	-.31	-.40	-.24	-.17	-.10	-.04	.02
	45.0	-.11	-.17	-.25	-.31	-.39	-.24	-.19	-.12	-.06	-.01
	55.0	-.12	-.16	-.22	-.27	-.30	-.22	-.17	-.12	-.07	-.03
	65.0	-.10	-.13	-.17	-.21	-.23	-.16	-.13	-.09	-.05	-.02
	75.0	-.07	-.09	-.11	-.13	-.15	-.11	-.09	-.06	-.04	-.01
	85.0	-.02	-.04	-.04	-.05	-.06	-.05	-.04	-.02	0	.01
	95.0	.03	.03	.03	.03	.02	.02	.03	.04	.03	.03
0.55	0	.04	.27	.46	.51	.37	----	----	----	----	----
	2.5	.33	.19	-.02	-.32	-.68	-.60	-.35	-.21	.09	.25
	5.0	.16	.02	-.20	-.45	-.68	-.62	-.34	.01	.14	.25
	7.4	-.09	-.27	-.58	-.87	-1.06	-.63	-.32	.11	.15	.27
	9.0	-.15	-.29	-.54	-.93	-1.27	-.61	-.29	.12	.26	.28
	10.0	-.11	-.25	-.53	-.90	-1.27	-.61	-.26	.08	.19	.26
	15.0	-.07	-.17	-.32	-.45	-.63	-.51	-.15	-.01	.09	.17
	20.0	-.08	-.15	-.30	-.40	-.50	-.32	-.14	-.04	.05	.12
	25.0	-.06	-.14	-.26	-.35	-.46	-.22	-.14	-.06	.02	.09
	30.0	-.07	-.14	-.25	-.33	-.43	-.20	-.15	-.08	0	.07
	35.0	-.08	-.15	-.25	-.32	-.42	-.20	-.16	-.09	-.02	.05
	40.0	-.11	-.16	-.23	-.30	-.37	----	----	----	----	----
	45.0	-.12	-.17	-.24	-.30	-.35	-.21	-.17	-.11	-.05	0
	55.0	-.13	-.17	-.21	-.26	-.29	-.19	-.16	-.11	-.06	-.02
	65.0	-.10	-.13	-.16	-.19	-.21	-.14	-.12	-.08	-.05	-.01
	75.0	-.06	-.08	-.10	-.11	-.12	-.08	-.07	-.05	-.03	0
	85.0	-.02	-.03	-.03	-.04	-.04	-.02	-.02	0	.01	.02
	95.0	----	----	----	----	----	.04	.04	.04	.05	.05

TABLE XVII.- WING PRESSURE COEFFICIENTS; $\delta = 12^{\circ}$, M = 0.80, R = 3.2×10^{6} - Continued

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.70	2.5	0.37	0.22	0.02	-0.30	-0.71	-0.65	-0.42	-0.38	-0.01	0.20
	5.0	.23	.08	-.11	-.40	-.68	-.65	-.37	-.12	.06	.19
	7.5	.12	0	-.22	-.47	-.73	-.64	-.38	-.04	.07	.20
	10.0	0	-.13	-.36	-.61	-.86	----	----	----	----	----
	11.1	-.10	-.24	-.49	-.74	-1.00	-.68	-.40	.08	.20	.22
	13.0	-.26	-.40	-.70	-.97	-1.26	-.68	-.39	.10	.22	.31
	20.0	-.09	-.19	-.31	-.45	-.63	-.59	-.21	-.01	.08	.15
	25.0	-.08	-.16	-.26	-.37	-.48	-.39	-.15	-.04	.04	.11
	30.0	-.09	-.16	-.24	-.33	-.43	-.22	-.12	-.05	.02	.08
	35.0	-.10	-.17	-.24	-.33	-.40	-.15	-.12	-.07	-.01	.05
	40.0	-.12	-.18	-.25	-.32	-.38	-.14	-.13	-.09	-.03	.02
	45.0	-.13	-.18	-.24	-.30	-.35	-.14	-.14	-.10	-.05	0
	55.0	-.14	-.17	-.21	-.25	-.28	-.13	-.13	-.10	-.06	-.02
	65.0	-.11	-.13	-.15	-.17	-.19	----	----	----	----	----
	75.0	-.06	-.07	-.08	-.10	-.12	----	----	----	----	----
	85.0	-.01	-.02	-.02	-.03	-.04	----	----	----	----	----
	90.0	.02	.02	.02	.01	-.01	----	----	----	----	----

TABLE XVII.- WING PRESSURE COEFFICIENTS; $\delta = 12^{\circ}$, M = 0.80, $R = 3.2 \times 10^{6}$ - Continued

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}, 20^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16	20	8	12	16	20
0.154	0	0.41	0.11	-0.19	-0.38	----	----	----	----
	2.3	-.75	-1.17	-1.55	-1.33	0.54	0.65	0.74	0.77
	5.0	-.51	-1.08	-1.67	-1.33	.39	.53	.62	.67
	7.5	-.51	-.99	-1.69	-1.31	----	----	----	----
	10.0	-.50	-.91	-1.33	-1.19	----	----	----	----
	15.0	-.59	-.76	-.94	-1.04	.25	.37	.47	.54
	20.0	-.46	-.62	-.80	-.93	.22	.33	.43	.51
	25.0	-.42	-.49	-.51	-.87	.18	.29	.39	.48
	30.0	-.38	-.55	-.44	-.79	.15	.26	.35	.44
	35.0	-.39	-.56	-.43	-.73	.14	.24	.33	.42
	40.0	-.38	-.59	-.58	-.70	.10	.20	.29	.37
	45.0	-.39	-.58	-.71	-.67	.08	.18	.26	.34
	55.0	-.38	-.47	-.53	-.59	.03	.12	.19	.27
	65.0	-.28	-.35	-.45	-.55	.02	.09	.15	.21
	75.0	-.26	-.35	-.44	-.56	.01	.07	.10	.15
	85.0	-.14	-.19	-.37	-.53	.02	.06	.06	.09
	95.0	-.05	-.09	-.24	-.51	.02	.02	-.01	-.04
0.25	0	.21	.12	-.48	-.69	----	----	----	----
	2.3	-1.29	-1.47	-1.56	-.99	----	----	----	----
	3.6	-1.21	-1.34	-1.56	-1.07	----	----	----	----
	5.0	-1.20	-1.33	-1.56	-1.06	.39	.52	.61	.69
	7.5	.97	-1.35	-1.61	-1.08	.32	.45	.56	.65
	10.0	.60	-1.33	-1.69	-1.09	.28	.41	.52	.61
	15.0	.47	-1.28	-1.67	-1.12	.23	.35	.46	.55
	20.0	.46	-1.13	-1.59	-1.08	.19	.31	.41	.50
	25.0	.45	-.87	-1.35	-1.05	.16	.27	.37	.46
	30.0	.43	-.64	-1.06	-.99	.14	.24	.33	.42
	35.0	.44	-.58	-.96	-.96	.11	.22	.30	.39
	40.0	-.40	-.52	-.81	-.87	.08	.17	.26	.34
	45.0	-.39	-.50	-.73	-.84	.05	.16	.22	.30
	55.0	-.36	-.45	-.65	-.78	.02	.10	.17	.23
	65.0	-.31	-.39	-.55	-.74	.02	.08	.12	.18
	75.0	-.23	-.30	-.48	-.71	.02	.06	.08	.12
	85.0	-.14	-.19	-.40	-.69	.02	.05	.03	.04
	95.0	-.04	-.08	-.27	-.64	.03	.02	-.06	-.13
0.40	0	.17	-.20	-.55	-.74	----	----	----	----
	2.5	-1.29	-1.41	-1.04	-.88	.40	.52	.60	.65
	4.6	----	----	----	----	.40	.49	.58	.63
	6.0	-1.32	-1.22	-1.09	-.91	.40	.49	.57	.62
	7.5	-1.24	-1.17	-1.10	-.90	.34	.45	.53	.60
	10.0	-.86	-1.15	-1.11	-.89	.29	.40	.50	.57
	15.0	-.67	-1.10	-1.10	-.90	.23	.34	.44	.51
	20.0	-.62	-1.08	-1.09	-.86	.19	.30	.39	.47
	25.0	-.56	-1.02	-1.07	-.86	.17	.27	.35	.43
	30.0	-.52	-.97	-1.05	-.87	.14	.24	.32	.39
	35.0	-.49	-.92	-1.02	-.86	.10	.20	.27	.34
	40.0	-.47	-.84	-.99	-.85	.08	.17	.24	.30
	45.0	-.45	-.77	-.94	-.86	.05	.13	.19	.25
	55.0	-.35	-.58	-.80	-.77	.03	.09	.13	.19
	65.0	-.25	-.42	-.73	-.74	.03	.07	.09	.13
	75.0	-.17	-.30	-.67	-.72	.02	.04	.04	.05
	85.0	-.07	-.20	-.63	-.72	.03	.03	-.02	-.04
	95.0	.02	-.10	-.57	-.71	.04	-.01	-.19	-.24
0.55	0	.16	-.19	-.41	-.63	----	----	----	----
	2.5	-1.32	-1.59	-.87	-.79	.37	.49	.56	.60
	5.0	-1.16	-1.56	-.90	-.80	.34	.45	.52	.57
	7.4	-1.23	-1.50	-.90	-.80	.35	.44	.50	.56
	9.0	-1.52	-1.43	-.91	-.81	.35	.43	.49	.54
	10.0	-1.50	-1.42	-.91	-.81	.32	.41	.47	.53
	15.0	-1.06	-1.33	-.91	-.79	.24	.34	.41	.48
	20.0	-.79	-1.30	-.88	-.79	.20	.29	.36	.43
	25.0	-.62	-1.27	-.84	-.77	.16	.26	.32	.39
	30.0	-.53	-1.22	-.82	-.77	.14	.23	.28	.34
	35.0	-.49	-1.10	-.80	-.76	.11	.19	.24	.30
	40.0	-.43	-.96	-.72	-.72	----	----	----	----
	45.0	-.39	-.76	-.71	-.72	.06	.13	.17	.22
	55.0	-.31	-.50	-.69	-.71	.03	.08	.10	.14
	65.0	-.22	-.37	-.67	-.70	.02	.05	.05	.08
	75.0	-.13	-.30	-.64	-.69	.02	.03	-.02	0
	85.0	-.05	-.22	-.62	-.68	.04	0	-.09	-.10
	95.0	----	----	----	----	.05	-.06	-.28	-.30

TABLE XVII.- WING PRESSURE COEFFICIENTS; $\delta = 12^{\circ}$, $M = 0.80$, $R = 3.2 \times 10^{6}$ - Concluded

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}, 20^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16	20	8	12	16	20
0.70	2.5	-1.32	-1.18	-0.73	-0.72	0.35	0.47	0.52	0.55
	5.0	-1.24	-1.16	-.75	-.73	.30	.41	.47	.52
	7.5	-1.12	-1.13	-.76	-.73	.29	.39	.44	.49
	10.0	-1.12	-1.09	-.75	-.73	----	----	----	----
	11.1	-1.20	-1.08	-.75	-.73	.31	.39	.43	.47
	13.0	-1.46	-1.06	-.74	-.73	.32	.39	.43	.47
	20.0	-.92	-.96	-.66	-.70	.21	.29	.34	.39
	25.0	-.85	-.92	-.65	-.70	.18	.26	.30	.35
	30.0	-.75	-.88	-.64	-.70	.14	.22	.26	.31
	35.0	-.61	-.85	-.63	-.69	.11	.18	.21	.26
	40.0	-.48	-.81	-.63	-.69	.08	.14	.17	.21
	45.0	-.38	-.79	-.62	-.69	.05	.11	.12	.17
	55.0	-.27	-.72	-.60	-.68	.02	.05	.05	.08
	65.0	-.18	-.65	-.59	-.67	----	----	----	----
	75.0	-.10	-.57	-.57	-.66	----	----	----	----
	85.0	-.03	-.49	-.55	-.64	----	----	----	----
	90.0	0	-.44	-.55	-.64	----	----	----	----

A
3
0
0

TABLE XVIII.- WING PRESSURE COEFFICIENTS; $\delta = 12^{\circ}$, M = 0.90, R = 3.2×10^{6}

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		-2	0	2	4	-2	0	2	4
0.154	0	0.32	0.52	0.63	0.66	----	----	----	----
	2.3	.18	.08	-.06	-.26	0.09	0.24	0.35	0.42
	5.0	.10	0	-.11	-.23	-.08	.04	.14	.23
	7.5	.08	-.01	-.12	-.23	----	----	----	----
	10.0	.06	-.01	-.11	-.21	----	----	----	----
	15.0	.04	-.05	-.13	-.24	-.14	-.04	.03	.11
	20.0	.03	-.04	-.13	-.23	-.12	-.05	.02	.09
	25.0	.02	-.04	-.13	-.23	-.15	-.07	-.01	.06
	30.0	.02	-.06	-.16	-.24	-.18	-.11	-.04	.03
	35.0	-.02	-.10	-.19	-.26	-.17	-.11	-.05	.02
	40.0	-.06	-.14	-.22	-.27	-.22	-.14	-.08	-.02
	45.0	-.08	-.14	-.22	-.29	-.24	-.17	-.10	-.04
	55.0	-.12	-.17	-.25	-.34	-.30	-.22	-.15	-.09
	65.0	-.11	-.16	-.22	-.31	-.29	-.20	-.14	-.09
	75.0	-.12	-.16	-.22	-.31	-.23	-.17	-.13	-.09
	85.0	-.07	-.09	-.12	-.16	-.13	-.11	-.08	-.05
	95.0	-.03	-.04	-.05	-.05	-.05	-.04	-.03	-.02
0.25	0	.31	.45	.55	.56	----	----	----	----
	2.3	.16	-.03	-.29	-.62	----	----	----	----
	3.6	.08	-.14	-.38	-.63	----	----	----	----
	5.0	.08	-.04	-.17	-.33	-.36	.07	.14	.24
	7.5	.04	-.07	-.20	-.35	-.06	-.02	.07	.16
	10.0	.01	-.08	-.19	-.32	-.12	-.06	.03	.13
	15.0	0	-.09	-.18	-.28	-.16	-.08	0	.08
	20.0	-.03	-.09	-.19	-.28	-.17	-.09	-.01	.06
	25.0	-.03	-.10	-.18	-.27	-.18	-.11	-.03	.04
	30.0	-.05	-.11	-.19	-.28	-.21	-.18	-.06	.01
	35.0	-.08	-.14	-.22	-.30	-.23	-.14	-.07	-.01
	40.0	-.08	-.14	-.23	-.30	-.26	-.18	-.11	-.04
	45.0	-.10	-.16	-.24	-.33	-.29	-.20	-.13	-.07
	55.0	-.13	-.18	-.26	-.36	-.33	-.22	-.15	-.09
	65.0	-.13	-.17	-.24	-.33	-.26	-.18	-.13	-.08
	75.0	-.10	-.13	-.18	-.24	-.18	-.14	-.10	-.05
	85.0	-.06	-.07	-.11	-.14	-.10	-.08	-.06	-.03
	95.0	.02	-.01	-.01	-.03	-.01	0	0	.01
0.40	0	.19	.37	.50	.53	----	----	----	----
	2.5	.28	.13	-.06	-.31	-.44	-.21	-.07	.19
	4.6	----	----	----	----	-.42	-.22	.14	.19
	6.0	-.04	-.22	-.47	-.76	-.41	-.23	.18	.31
	7.5	-.01	-.12	-.27	-.62	-.44	-.18	.10	.20
	10.0	-.03	-.14	-.29	-.45	-.46	-.09	.04	.13
	15.0	-.05	-.14	-.25	-.39	-.28	-.11	-.02	.08
	20.0	-.07	-.16	-.28	-.39	-.24	-.13	-.04	.05
	25.0	-.07	-.14	-.25	-.38	-.25	-.15	-.06	.02
	30.0	-.09	-.15	-.24	-.38	-.25	-.16	-.08	0
	35.0	-.10	-.17	-.27	-.39	-.28	-.19	-.11	-.03
	40.0	-.12	-.18	-.28	-.39	-.31	-.22	-.13	-.06
	45.0	-.14	-.21	-.30	-.42	-.35	-.24	-.15	-.08
	55.0	-.15	-.20	-.29	-.40	-.31	-.22	-.15	-.09
	65.0	-.12	-.17	-.22	-.31	-.20	-.16	-.11	-.07
	75.0	-.09	-.11	-.14	-.20	-.13	-.11	-.08	-.06
	85.0	-.03	-.04	-.05	-.05	-.05	-.04	-.02	-.01
	95.0	.04	.04	.04	.04	.04	.04	.04	.03
0.55	0	.10	.33	.47	.54	----	----	----	----
	2.5	.33	.20	0	-.24	-.60	-.32	-.24	.07
	5.0	.15	.01	-.17	-.36	-.61	-.33	.01	.11
	7.4	-.11	-.31	-.59	-.73	-.63	-.34	.10	.15
	9.0	-.21	-.37	-.64	-1.04	-.63	-.34	.12	.23
	10.0	-.07	-.26	-.62	-1.03	-.63	-.33	.08	.18
	15.0	-.09	-.20	-.33	-.50	-.56	-.20	-.01	.08
	20.0	-.10	-.18	-.33	-.46	-.39	-.15	-.05	.04
	25.0	-.10	-.17	-.30	-.44	-.29	-.17	-.08	.01
	30.0	-.10	-.18	-.27	-.42	-.28	-.18	-.09	-.02
	35.0	-.12	-.19	-.28	-.42	-.30	-.19	-.11	-.04
	40.0	-.11	-.20	-.30	-.42	----	----	----	----
	45.0	-.13	-.22	-.32	-.44	-.29	-.22	-.14	-.07
	55.0	-.15	-.22	-.28	-.40	-.23	-.19	-.13	-.09
	65.0	-.12	-.17	-.20	-.21	-.15	-.14	-.10	-.07
	75.0	-.07	-.10	-.10	-.10	-.07	-.08	-.06	-.04
	85.0	-.01	-.02	-.02	-.02	0	-.01	0	0
	95.0	----	----	----	----	.06	.05	.06	.05

TABLE XVIII.- WING PRESSURE COEFFICIENTS; $\delta = 12^{\circ}$, M = 0.90, R = 3.2×10^{6} - Continued

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		-2	0	2	4	-2	0	2	4
0.70	2.5	0.36	0.23	0.02	-0.24	-0.72	-0.41	-0.42	-0.05
	5.0	.22	.09	-.12	-.33	-.70	-.38	-.16	.02
	7.5	.10	-.03	-.22	-.43	-.71	-.40	-.04	.03
	10.0	0	-.14	-.37	-.58	----	----	----	----
	11.1	-.11	-.26	-.46	-.70	-.75	-.46	.07	.19
	13.0	-.33	-.46	-.81	-1.13	-.76	-.47	.09	.20
	20.0	-.10	-.23	-.40	-.73	-.72	-.29	-.02	.06
	25.0	-.08	-.19	-.33	-.47	-.52	-.18	-.05	.03
	30.0	-.09	-.19	-.31	-.44	-.33	-.15	-.07	.01
	35.0	-.11	-.20	-.31	-.45	-.24	-.16	-.09	-.02
	40.0	-.14	-.23	-.32	-.46	-.20	-.16	-.11	-.05
	45.0	-.15	-.23	-.32	-.46	-.18	-.17	-.13	-.07
	55.0	-.16	-.23	-.26	-.27	-.14	-.15	-.13	-.09
	65.0	-.13	-.16	-.16	-.15	----	----	----	----
	75.0	-.07	-.07	-.07	-.07	----	----	----	----
	85.0	-.01	-.01	0	0	----	----	----	----
	90.0	.03	.03	.04	.03	----	----	----	----

TABLE XVIII.- WING PRESSURE COEFFICIENTS; $\delta = 12^{\circ}$, M = 0.90, R = 3.2×10^{6} - Continued

(b) $\alpha_u = 6^{\circ}, 8^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		6	8			6	8		
0.154	0	0.63	0.54			----	----		
	2.3	-.49	-.59			0.49	0.56		
	5.0	-.30	-.37			.33	.41		
	7.5	-.32	-.40			----	----		
	10.0	-.29	-.40			----	----		
	15.0	-.38	-.53			.19	.26		
	20.0	-.34	-.42			.17	.23		
	25.0	-.30	-.35			.13	.19		
	30.0	-.29	-.35			.10	.16		
	35.0	-.30	-.36			.08	.14		
	40,0	-.32	-.40			.05	.10		
	45.0	-.37	-.44			.02	.08		
	55.0	-.39	-.47			-.03	.02		
	65.0	-.40	-.48			-.03	.01		
	75.0	-.52	-.61			-.04	-.01		
	85.0	-.21	-.34			-.02	0		
	95.0	-.06	-.11			0	-.01		
0.25	0	.49	.36			----	----		
	2.3	-.85	-.98			----	----		
	3.6	-.90	-1.08			----	----		
	5.0	-.84	-1.08			.32	.40		
	7.5	-.43	-.87			.25	.33		
	10.0	-.42	-.51			.21	.28		
	15.0	-.37	-.43			.16	.23		
	20.0	-.36	-.39			.13	.20		
	25.0	-.34	-.37			.10	.17		
	30.0	-.34	-.37			.08	.14		
	35.0	-.37	-.40			.06	.11		
	40.0	-.36	-.43			.02	.07		
	45.0	-.39	-.47			-.01	.05		
	55.0	-.44	-.53			-.03	.01		
	65.0	-.46	-.58			-.03	.01		
	75.0	-.35	-.51			-.03	0		
	85.0	-.20	-.32			-.01	0		
	95.0	-.06	-.13			.01	-.01		
0.40	0	.47	.33			----	----		
	2.5	-.53	-.90			.30	.39		
	4.6	----	----			.32	.40		
	6.0	-1.13	-1.11			.34	.40		
	7.5	-1.07	-1.05			.27	.34		
	10.0	-.79	-.87			.21	.28		
	15.0	-.47	-.69			.16	.22		
	20.0	-.47	-.61			.12	.18		
	25.0	-.46	-.57			.09	.16		
	30.0	-.46	-.56			.07	.13		
	35.0	-.47	-.57			.04	.09		
	40.0	-.48	-.57			.01	.07		
	45.0	-.51	-.60			-.02	.04		
	55.0	-.53	-.64			-.04	.01		
	65.0	-.45	-.63			-.03	.01		
	75.0	-.17	-.37			-.02	0		
	85.0	-.05	-.12			0	.01		
	95.0	.04	-.01			.02	0		
0.55	0	.47	.33			----	----		
	2.5	-.49	-.92			.23	.34		
	5.0	-.52	-.80			.25	.32		
	7.4	-.84	-.89			.26	.34		
	9.0	-1.23	-1.27			.27	.35		
	10.0	-1.18	-1.28			.27	.32		
	15.0	-1.06	-1.24			.17	.23		
	20.0	-.72	-1.11			.12	.18		
	25.0	-.58	-.87			.09	.15		
	30.0	-.53	-.67			.06	.12		
	35.0	-.53	-.59			.04	.09		
	40.0	-.52	-.59			----	----		
	45.0	-.55	-.62			-.01	.04		
	55.0	-.59	-.68			-.03	.01		
	65.0	-.27	-.58			-.03	0		
	75.0	-.08	-.14			-.02	0		
	85.0	0	0			.01	.01		
	95.0	----	----			.06	.04		

10H

TABLE XVIII.- WING PRESSURE COEFFICIENTS; $\delta = 12^{\circ}$, $M = 0.90$, $R = 3.2 \times 10^{6}$ - Concluded

(b) $\alpha_u = 6^{\circ}, 8^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		6	8			6	8		
0.70	2.5	-0.52	-0.98			0.17	0.30		
	5.0	-.54	-.86			.17	.27		
	7.5	-.57	-.80			.19	.27		
	10.0	-.70	-.76			----	----		
	11.1	-.82	-.86			.20	.28		
	13.0	-1.25	-1.28			.30	.30		
	20.0	-1.17	-1.32			.14	.20		
	25.0	-1.11	-1.29			.10	.16		
	30.0	-.82	-1.21			.08	.13		
	35.0	-.60	-.97			.04	.09		
	40.0	-.56	-.88			.01	.06		
	45.0	-.59	-.85			-.01	.03		
	55.0	-.36	-.73			-.04	-.01		
	65.0	-.12	-.26			----	----		
	75.0	-.06	-.04			----	----		
	85.0	0	.01			----	----		
	90.0	.04	.03			----	----		

A
3
0
0

A
3
0
0

TABLE XIX.- WING PRESSURE COEFFICIENTS; $\delta = 16^{\circ}$, $M = 0.25$, $R = 15.0 \times 10^{6}$

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		-2	0	2	4	-2	0	2	4
0.154	0	-0.22	0.29	0.51	0.52	----	----	----	----
	2.3	.15	.02	-.15	-.28	-0.08	0.01	0.17	0.29
	5.0	.05	-.03	-.17	-.28	-.14	-.03	.09	.19
	7.5	.04	-.05	-.17	-.25	----	----	----	----
	10.0	.04	-.03	-.13	-.21	----	----	----	----
	15.0	-.02	-.07	-.15	-.24	-.15	-.07	.01	.08
	20.0	0	-.06	-.12	-.21	-.14	-.07	0	.06
	25.0	0	-.05	-.12	-.19	-.15	-.08	-.09	.04
	30.0	0	-.06	-.13	-.19	-.16	-.10	-.04	.02
	35.0	-.03	-.09	-.15	-.21	-.15	-.09	-.04	.01
	40.0	-.05	-.11	-.17	-.21	-.17	-.11	-.06	-.02
	45.0	-.06	-.11	-.16	-.20	-.16	-.12	-.07	-.02
	55.0	-.08	-.12	-.16	-.19	-.17	-.13	-.09	-.05
	65.0	-.06	-.10	-.12	-.15	-.14	-.11	-.08	-.05
	75.0	-.06	-.08	-.10	-.13	-.12	-.09	-.07	-.04
	85.0	-.03	-.04	-.06	-.07	-.07	-.05	-.04	-.02
	95.0	0	0	-.01	-.02	-.02	-.01	0	.01
0.25	0	-0.37	0.20	0.45	0.46	----	----	----	----
	2.3	.20	-.02	-.34	-.67	----	----	----	----
	3.6	.08	-.04	-.22	-.42	----	----	----	----
	5.0	.06	-.06	-.21	-.36	-0.11	0	0.11	0.21
	7.5	.02	-.07	-.21	-.33	-.17	-.06	.04	.14
	10.0	0	-.08	-.19	-.29	-.18	-.08	.01	.10
	15.0	-.02	-.08	-.17	-.26	-.17	-.08	-.01	.07
	20.0	-.03	-.09	-.17	-.24	-.16	-.08	-.02	.05
	25.0	-.04	-.09	-.17	-.22	-.16	-.09	-.03	.03
	30.0	-.06	-.10	-.16	-.21	-.16	-.10	-.04	.01
	35.0	-.06	-.10	-.17	-.21	-.13	-.07	-.02	.03
	40.0	-.05	-.10	-.15	-.20	-.17	-.12	-.07	-.02
	45.0	-.07	-.11	-.16	-.20	-.17	-.13	-.08	-.04
	55.0	-.08	-.11	-.15	-.19	-.16	-.12	-.09	-.05
	65.0	-.06	-.09	-.12	-.15	-.12	-.09	-.06	-.04
	75.0	-.04	-.05	-.09	-.11	-.10	-.07	-.05	-.03
	85.0	-.02	-.04	-.05	-.07	-.05	-.04	-.02	-.01
	95.0	.02	.02	.01	0	.01	.01	.02	.02
0.40	0	-0.88	-0.07	0.37	0.48	----	----	----	----
	2.5	.35	.19	-.04	-.31	-0.35	-0.17	0.01	0.16
	4.6	----	----	----	----	-.21	.02	.15	.25
	6.0	-.02	-.17	-.36	-.55	-.14	.07	.19	.28
	7.5	-.01	-.13	-.28	-.42	-.07	.02	.11	.19
	10.0	-.02	-.12	-.25	-.37	-.14	-.05	.04	.13
	15.0	-.04	-.11	-.22	-.31	-.17	-.09	0	.08
	20.0	-.05	-.11	-.21	-.28	-.17	-.09	-.01	.06
	25.0	-.05	-.10	-.18	-.23	-.16	-.09	-.02	.04
	30.0	-.06	-.10	-.18	-.22	-.13	-.07	-.01	.05
	35.0	-.08	-.11	-.18	-.21	-.17	-.11	-.05	0
	40.0	-.07	-.11	-.18	-.20	-.16	-.10	-.05	-.01
	45.0	-.09	-.11	-.18	-.20	-.17	-.13	-.07	-.03
	55.0	-.08	-.11	-.15	-.19	-.15	-.11	-.07	-.04
	65.0	-.06	-.09	-.12	-.15	-.11	-.08	-.05	-.02
	75.0	-.04	-.06	-.08	-.10	-.08	-.06	-.03	-.01
	85.0	-.01	-.02	-.03	-.04	-.03	-.01	0	.02
	95.0	.04	.03	.03	.03	.02	.03	.04	.04
0.55	0	-1.30	-0.31	0.29	0.48	----	----	----	----
	2.5	.42	.31	.08	-.20	-0.57	-0.40	-0.15	0.03
	5.0	.26	.11	-.11	-.33	-.34	-.11	.03	.14
	7.4	.04	-.12	-.37	-.61	-.34	-.03	.14	.22
	9.0	-.09	-.24	-.44	-.58	-.31	.01	.16	.25
	10.0	-.06	-.18	-.37	-.50	-.18	.04	.14	.20
	15.0	-.05	-.14	-.28	-.36	-.09	-.05	.04	.11
	20.0	-.05	-.11	-.23	-.29	-.14	-.08	0	.07
	25.0	-.05	-.10	-.20	-.25	-.15	-.09	-.01	.05
	30.0	-.06	-.10	-.19	-.23	-.15	-.09	-.03	.03
	35.0	-.07	-.10	-.18	-.22	-.16	-.10	-.04	.01
	40.0	-.05	-.11	-.16	-.22	----	----	----	----
	45.0	-.07	-.12	-.16	-.21	-.15	-.11	-.06	-.02
	55.0	-.07	-.11	-.14	-.18	-.13	-.10	-.06	-.02
	65.0	-.05	-.08	-.10	-.13	-.10	-.07	-.04	-.02
	75.0	-.02	-.05	-.06	-.08	-.05	-.04	-.01	.01
	85.0	.01	-.01	-.01	-.03	-.01	0	.02	.03
	95.0	.04	.04	.03	.03	.04	.03	.04	.05

TABLE XIX.- WING PRESSURE COEFFICIENTS; $\delta = 16^{\circ}$, M = 0.25, R = 15.0×10^{6} - Continued

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		-2	0	2	4	-2	0	2	4
0.70	2.5	0.45	0.35	0.15	-0.14	-0.72	-0.67	-0.34	-0.09
	5.0	.34	.21	0	-.22	-.50	-.28	-.13	.04
	7.5	.22	.10	-.11	-.30	-.43	-.11	-.01	.10
	10.0	.09	-.03	-.25	-.44	----	----	----	----
	11.1	.02	-.11	-.33	-.52	-.53	-.07	.11	.21
	13.0	-.17	-.31	-.51	-.66	-.48	-.07	.14	.25
	20.0	-.07	-.17	-.26	-.54	-.04	-.01	.04	.10
	25.0	-.05	-.14	-.20	-.29	-.06	-.05	.01	.07
	30.0	-.05	-.13	-.18	-.25	-.09	-.06	-.01	.05
	35.0	-.05	-.11	-.17	-.24	-.11	-.08	-.03	.03
	40.0	-.07	-.12	-.17	-.22	-.12	-.08	-.04	.01
	45.0	-.08	-.12	-.17	-.22	-.13	-.10	-.05	-.01
	55.0	-.08	-.12	-.15	-.19	-.12	-.08	-.06	-.03
	65.0	-.06	-.09	-.11	-.14	-.08	-.06	-.04	-.01
	75.0	-.03	-.05	-.07	-.08	-.04	-.03	-.01	0
	85.0	0	-.01	-.02	-.03	----	----	----	----
	90.0	.02	.02	.01	0	.02	.02	.03	.04
0.85	0	-1.35	-0.60	0.15	0.47	----	----	----	----
	2.5	.49	.41	.22	-.05	-0.68	-0.82	-0.49	-0.18
	5.0	.39	.28	.12	-.10	-.59	-.43	-.24	-.06
	7.5	.28	.17	0	-.19	-.58	-.25	-.15	-.02
	10.0	.20	.10	-.07	-.25	-.58	-.13	-.04	.04
	15.0	0	-.14	-.27	-.44	-.56	-.08	.09	.16
	16.3	-.07	-.23	-.34	-.52	-.53	-.08	.10	.19
	20.0	-.18	-.31	-.45	-.58	-.45	-.02	.15	.20
	25.0	-.09	-.17	-.26	-.35	-.22	.07	.08	.11
	30.0	-.07	-.14	-.21	-.28	-.06	.01	.04	.07
	35.0	-.07	-.13	-.18	-.25	-.01	-.01	.02	.05
	40.0	-.08	-.12	-.17	-.22	-.01	-.03	-.01	.02
	45.0	-.09	-.13	-.17	-.21	-.03	-.05	-.02	0
	55.0	-.08	-.11	-.14	-.17	-.05	-.06	-.04	-.02
	65.0	-.06	-.08	-.10	-.12	-.04	-.04	-.03	-.02
	75.0	-.03	-.04	-.05	-.07	-.02	-.02	-.01	0
	85.0	.01	0	0	-.02	.02	.02	.02	.02
	90.0	.03	.02	.02	.01	.04	.04	.04	.04
0.95	0	-0.95	-0.61	0.05	0.41	----	----	----	----
	2.5	.44	.39	.22	0	-0.57	-0.91	-0.60	-0.29
	5.0	.33	.26	.10	-.05	-.51	-.47	-.34	-.16
	7.5	.26	.19	.03	-.12	-.48	-.25	-.20	-.09
	10.0	.16	.07	-.03	-.17	-.49	-.15	-.10	-.04
	15.0	.02	-.07	-.15	-.27	-.47	-.10	.04	.07
	20.8	-.17	-.28	-.35	-.47	-.40	-.11	.11	.17
	23.4	----	----	----	----	-.36	-.08	.13	.19
	24.5	-.23	-.31	-.40	-.48	----	----	----	----
	30.0	-.13	-.18	-.23	-.29	-.25	.15	.11	.10
	35.0	-.10	-.14	-.17	-.22	-.17	.10	.05	.05
	40.0	-.09	-.12	-.14	-.19	-.11	.05	.02	.03
	45.0	-.09	-.11	-.13	-.17	-.09	0	-.01	-.01
	55.0	-.08	-.09	-.10	-.14	-.07	-.03	-.03	-.03
	65.0	-.05	-.06	-.07	-.10	-.05	-.03	-.03	-.03
	75.0	-.02	-.03	-.03	-.06	-.03	0	0	-.01
	85.0	.01	.01	0	-.03	0	.03	.02	.02
	90.0	----	----	----	----	.01	.04	.04	.03

TABLE XIX.- WING PRESSURE COEFFICIENTS; $\delta = 16^{\circ}$, M = 0.25, R = 15.0×10^{6} - Continued

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16		8	12	16	
0.154	0	0	-1.22	-2.94		----	----	----	
	2.3	-.67	-1.29	-2.38		0.47	0.60	0.67	
	5.0	-.50	-.86	-2.18		.37	.50	.58	
	7.5	-.48	-.77	-1.53		----	----	----	
	10.0	-.44	-.82	-.91		----	----	----	
	15.0	-.50	-.71	-.78		.22	.34	.42	
	20.0	-.38	-.52	-.54		.19	.30	.39	
	25.0	-.33	-.45	-.48		.16	.27	.36	
	30.0	-.31	-.38	-.41		.13	.24	.33	
	35.0	-.31	-.38	-.40		.12	.22	.31	
	40.0	-.29	-.33	-.38		.09	.19	.28	
	45.0	-.29	-.35	-.41		.07	.16	.25	
	55.0	-.26	-.30	-.34		.03	.12	.21	
	65.0	-.19	-.23	-.26		.02	.10	.17	
	75.0	-.17	-.20	-.23		.02	.07	.14	
	85.0	-.09	-.10	-.13		.03	.07	.12	
	95.0	-.02	-.03	-.04		.04	.06	.09	
0.25	0	-0.26	-1.96	-3.99		----	----	----	
	2.3	-1.55	-2.41	-2.03		----	----	----	
	3.6	-.88	-1.39	-1.75		----	----	----	
	5.0	-.73	-1.29	-1.75		0.37	0.49	0.57	
	7.5	-.61	-1.01	-1.79		.31	.44	.54	
	10.0	-.54	-.77	-1.77		.27	.40	.50	
	15.0	-.43	-.60	-1.61		.21	.34	.45	
	20.0	-.38	-.51	-1.31		.18	.30	.41	
	25.0	-.34	-.46	-.94		.15	.26	.37	
	30.0	-.32	-.44	-.65		.12	.23	.33	
	35.0	-.31	-.42	-.47		.14	.23	.32	
	40.0	-.28	-.39	-.37		.08	.17	.27	
	45.0	-.28	-.38	-.35		.06	.15	.23	
	55.0	-.26	-.34	-.32		.03	.11	.19	
	65.0	-.21	-.28	-.26		.03	.10	.17	
	75.0	-.16	-.22	-.19		.03	.08	.14	
	85.0	-.10	-.14	-.11		.03	.07	.12	
	95.0	-.01	-.04	-.02		.04	.06	.08	
0.40	0	-0.23	-2.34	-4.76		----	----	----	
	2.5	-1.05	-2.00	-2.24		0.40	0.51	0.55	
	4.6	----	----	----		.39	.49	.55	
	6.0	-1.03	-1.47	-1.34		.40	.48	.54	
	7.5	-.81	-1.19	-1.33		.34	.45	.53	
	10.0	-.68	-1.00	-1.33		.29	.41	.50	
	15.0	-.54	-.77	-1.31		.23	.35	.45	
	20.0	-.46	-.64	-1.31		.19	.31	.41	
	25.0	-.39	-.53	-1.25		.16	.27	.37	
	30.0	-.35	-.47	-1.18		.16	.26	.35	
	35.0	-.34	-.43	-1.09		.11	.20	.29	
	40.0	-.31	-.40	-.98		.09	.19	.27	
	45.0	-.30	-.36	-.84		.06	.15	.23	
	55.0	-.25	-.29	-.56		.04	.11	.19	
	65.0	-.19	-.22	-.34		.04	.10	.16	
	75.0	-.12	-.14	-.18		.04	.08	.13	
	85.0	-.05	-.07	-.07		.05	.07	.11	
	95.0	.03	.01	.03		.05	.05	.09	
0.55	0	-0.14	-2.26	-4.59		----	----	----	
	2.5	-.93	-1.93	-2.38		0.37	0.51	0.52	
	5.0	-.94	-1.67	-1.71		.34	.46	.53	
	7.4	-1.24	-1.93	-1.53		.36	.45	.52	
	9.0	-1.04	-1.53	-1.11		.37	.45	.51	
	10.0	-.90	-1.34	-1.10		.33	.42	.49	
	15.0	-.64	-.92	-1.08		.25	.36	.45	
	20.0	-.51	-.72	-1.07		.21	.32	.41	
	25.0	-.44	-.60	-1.07		.17	.28	.36	
	30.0	-.40	-.51	-1.05		.14	.24	.33	
	35.0	-.36	-.45	-1.01		.12	.21	.29	
	40.0	-.32	-.41	-.93		----	----	----	
	45.0	-.30	-.38	-.87		.07	.15	.23	
	55.0	-.25	-.30	-.75		.06	.12	.18	
	65.0	-.18	-.21	-.62		.05	.10	.14	
	75.0	-.11	-.13	-.48		.05	.09	.11	
	85.0	-.05	-.05	-.34		.06	.08	.08	
	95.0	.03	----	-.19		.06	.06	0	

TABLE XIX.- WING PRESSURE COEFFICIENTS; $\delta = 16^{\circ}$, M = 0.25, R = 15.0×10^{6} - Concluded

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 16^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	16		8	12	16	
0.70	2.5	-0.89	-1.94	-2.36		0.32	0.49	0.50	
	5.0	-.79	-1.53	-1.66		.28	.43	.51	
	7.5	-.82	-1.43	-1.39		.28	.41	.49	
	10.0	-.95	-1.52	-1.23		----	----	----	
	11.1	-1.04	-1.58	-1.18		.31	.40	.46	
	13.0	-1.07	-1.49	-.86		.34	.41	.47	
	20.0	-.59	-.85	-.79		.22	.31	.39	
	25.0	-.47	-.66	-.77		.18	.27	.35	
	30.0	-.39	-.55	-.76		.15	.24	.31	
	35.0	-.37	-.50	-.74		.12	.20	.27	
	40.0	-.34	-.45	-.71		.10	.17	.24	
	45.0	-.32	-.41	-.69		.07	.14	.20	
	55.0	-.26	-.33	-.63		.04	.10	.14	
	65.0	-.19	-.24	-.56		.04	----	.10	
	75.0	-.12	-.15	-.48		.04	----	.06	
	85.0	-.05	-.07	-.41			----		
	90.0	-.01	-.03	-.38		.06	----	-.05	
0.85	0	0.01		-3.65		----		----	
	2.5	-.77		-2.30		0.26		0.50	
	5.0	-.65		-1.49		.22		.49	
	7.5	-.67		-1.23		.21		.45	
	10.0	-.68		-1.06		.21		.42	
	15.0	-.82		-.89		.26		.40	
	16.3	-.91		-.86		.28		.40	
	20.0	-.84		-.57		.27		.38	
	25.0	-.55		-.52		.19		.32	
	30.0	-.42		-.50		.15		.27	
	35.0	-.36		-.49		.12		.23	
	40.0	-.33		-.48		.09		.19	
	45.0	-.30		-.46		.06		.15	
	55.0	-.24		-.42		.03		.09	
	65.0	-.17		-.39		.02		.05	
	75.0	-.11		-.35		.02		.01	
	85.0	-.05		-.31		.04		-.04	
	90.0	-.02		-.30		.04		-.07	
0.95	0	0.27		-2.15		----		----	
	2.5	-.65		-1.95		0.15		0.47	
	5.0	-.55		-1.34		.13		.41	
	7.5	-.53		-1.11		.11		.35	
	10.0	-.51		-.90		.11		.29	
	15.0	-.54		-.72		.13		.23	
	20.8	-.74		-.71		.20		.21	
	23.4	----		----		.20		.20	
	24.5	-.67		-.44		----		----	
	30.0	-.43		-.43		.09		.12	
	35.0	-.34		-.43		.05		.08	
	40.0	-.30		-.44		.03		.08	
	45.0	-.28		-.43		0		.05	
	55.0	-.25		-.41		-.02		.02	
	65.0	-.21		-.40		-.02		-.01	
	75.0	-.16		-.38		-.01		-.03	
	85.0	-.12		-.37		.01		-.06	
	90.0	----		----		.01		-.09	

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TABLE XX.- WING PRESSURE COEFFICIENTS; $\delta = 16^{\circ}$, $M = 0.60$, $R = 3.2 \times 10^{6}$

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface, α_u, deg					Lower surface, α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.154	0	-0.09	0.34	0.52	0.56	0.49	----	----	----	----	----
	2.3	.14	-.03	-.18	-.34	-.54	-0.09	0.06	0.19	0.30	0.40
	5.0	.07	-.04	-.17	-.28	-.44	-.17	-.03	.08	.19	.29
	7.5	.04	-.07	-.18	-.28	-.41	----	----	----	----	----
	10.0	.01	-.06	-.15	-.26	-.37	----	----	----	----	----
	15.0	-.02	-.10	-.18	-.27	-.37	-.18	-.08	.01	.08	.16
	20.0	-.01	-.07	-.15	-.22	-.31	-.16	-.08	-.01	.07	.13
	25.0	-.01	-.07	-.14	-.21	-.28	-.17	-.09	-.02	.04	.11
	30.0	-.01	-.07	-.14	-.21	-.28	-.19	-.11	-.04	.02	.08
	35.0	-.04	-.11	-.17	-.23	-.29	-.18	-.11	-.05	.01	.07
	40.0	-.06	-.13	-.19	-.24	-.29	-.20	-.13	-.07	-.02	.04
	45.0	-.07	-.13	-.18	-.22	-.27	-.20	-.13	-.08	-.03	.02
	55.0	-.09	-.14	-.18	-.22	-.26	-.21	-.15	-.11	-.06	-.02
	65.0	-.09	-.12	-.15	-.18	-.21	-.18	-.13	-.10	-.06	-.02
	75.0	-.07	-.10	-.13	-.15	-.17	-.15	-.11	-.08	-.05	-.02
	85.0	-.05	-.06	-.08	-.10	-.11	-.10	-.06	-.05	-.03	0
	95.0	-.02	-.02	-.03	-.04	-.04	-.04	-.02	-.02	-.01	.01
0.25	0	0.01	0.31	0.47	0.49	0.33	----	----	----	----	----
	2.3	.18	-.02	-.32	-.70	-1.13	----	----	----	----	----
	3.6	.09	-.05	-.27	-.66	-1.05	----	----	----	----	----
	5.0	.03	-.08	-.22	-.37	-.56	-0.53	0.02	0.11	0.21	0.30
	7.5	.01	-.10	-.22	-.35	-.52	-.11	-.01	.04	.14	.23
	10.0	-.01	-.10	-.21	-.34	-.48	-.13	-.07	.01	.10	.19
	15.0	-.03	-.10	-.21	-.29	-.39	-.17	-.09	-.01	.07	.15
	20.0	-.04	-.11	-.20	-.28	-.36	-.17	-.09	-.03	.05	.12
	25.0	-.06	-.11	-.19	-.25	-.34	-.18	-.11	-.04	.03	.10
	30.0	-.07	-.12	-.19	-.24	-.33	-.19	-.12	-.06	.01	.07
	35.0	-.10	-.15	-.20	-.25	-.32	-.19	-.12	-.07	0	.06
	40.0	-.08	-.12	-.18	-.23	-.29	-.21	-.14	-.09	-.03	.02
	45.0	-.09	-.14	-.19	-.23	-.28	-.21	-.15	-.10	-.05	0
	55.0	-.10	-.14	-.18	-.22	-.26	-.20	-.15	-.11	-.06	-.02
	65.0	-.09	-.12	-.16	-.18	-.21	-.16	-.12	-.09	-.05	-.01
	75.0	-.07	-.09	-.12	-.14	-.16	-.13	-.09	-.07	-.04	-.01
	85.0	-.04	-.05	-.07	-.08	-.10	-.07	-.05	-.04	-.02	.01
	95.0	0	0	0	-.01	-.01	-.01	.01	0	.01	.02
0.40	0	-0.13	0.21	0.42	0.49	0.37	----	----	----	----	----
	2.5	.31	.16	-.05	-.36	-.71	-0.48	-0.21	-0.05	0.17	0.29
	4.6	----	----	----	----	----	-.47	-.22	.12	.27	.31
	6.0	-.08	-.30	-.52	-.78	-1.13	-.48	-.26	.18	.31	.35
	7.5	-.02	-.16	-.26	-.42	-.62	-.49	-.30	.13	.23	.28
	10.0	-.04	-.16	-.28	-.44	-.59	-.54	-.19	.06	.16	.22
	15.0	-.07	-.15	-.25	-.38	-.50	-.34	-.09	.01	.09	.15
	20.0	-.08	-.16	-.24	-.34	-.44	-.21	-.09	-.02	.07	.12
	25.0	-.08	-.14	-.21	-.29	-.37	-.18	-.10	-.03	.05	.09
	30.0	-.08	-.16	-.20	-.29	-.35	-.16	-.10	-.04	.04	.08
	35.0	-.09	-.16	-.21	-.28	-.34	-.18	-.12	-.06	0	.05
	40.0	-.09	-.17	-.20	-.27	-.32	-.18	-.12	-.07	-.01	.02
	45.0	-.11	-.17	-.21	-.26	-.32	-.19	-.14	-.09	-.04	----
	55.0	-.10	-.13	-.19	-.22	-.26	-.17	-.13	-.09	-.05	-.02
	65.0	-.09	-.11	-.15	-.18	-.20	-.12	-.09	-.06	-.03	-.01
	75.0	-.06	-.07	-.10	-.12	-.14	-.08	-.06	-.04	-.02	0
	85.0	0	-.02	-.04	-.05	-.06	-.02	-.02	.01	.01	.01
	95.0	.04	.04	.03	.04	.02	.04	.04	.05	.05	.03
0.55	0	-0.28	0.13	0.36	0.50	0.40	----	----	----	----	----
	2.5	.37	.22	.07	-.23	-.59	-0.73	-0.34	-0.20	0.07	0.22
	5.0	.19	.03	-.14	-.41	-.71	-.79	-.43	.03	.11	.25
	7.4	-.01	-.29	-.44	-.73	-1.04	-.87	-.50	.13	.26	.25
	9.0	-.19	-.40	-.64	-.97	-1.27	-.87	-.50	.16	.29	.33
	10.0	-.11	-.25	-.48	-.74	-1.14	-.88	-.47	.14	.25	.29
	15.0	-.08	-.19	-.30	-.44	-.59	-.61	-.15	.04	.14	.18
	20.0	-.07	-.18	-.25	-.37	-.49	-.18	-.05	0	.09	.13
	25.0	-.07	-.16	-.22	-.33	-.42	-.05	-.06	-.02	.07	.10
	30.0	-.08	-.15	-.21	-.29	-.38	-.09	-.08	-.04	.04	.07
	35.0	-.10	-.16	-.20	-.28	-.36	-.12	-.09	-.06	.02	.05
	40.0	-.08	-.14	-.21	-.26	-.32	----	----	----	----	----
	45.0	-.09	-.15	-.21	-.26	-.31	-.15	-.11	-.08	-.02	.01
	55.0	-.09	-.14	-.18	-.22	-.26	-.14	-.11	-.08	-.02	-.01
	65.0	-.08	-.11	-.14	-.16	-.20	-.10	-.08	-.05	-.01	-.01
	75.0	-.04	-.06	-.08	-.10	-.13	-.05	-.04	-.02	.01	0
	85.0	-.01	-.01	-.03	-.03	-.06	-.01	.01	.02	.04	.02
	95.0	.03	.03	.03	.02	.03	.05	.05	.06	.06	.04

TABLE XX.- WING PRESSURE COEFFICIENTS; $\delta = 16^{\circ}$, M = 0.60, R = 3.2×10^{6} - Continued

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{\bar{c}}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.70	2.5	0.39	0.29	0.12	-0.17	-0.55	-0.67	-0.41	-0.40	-0.05	0.15
	5.0	.26	.14	-.05	-.28	-.59	-.68	-.40	-.14	.01	.17
	7.5	.13	-.02	-.20	-.41	-.71	-.71	-.43	0	.15	.19
	10.0	.03	-.11	-.33	-.57	-.83	----	----	----	----	----
	11.1	-.28	-.20	-.43	-.66	-.91	-.72	-.53	.10	.25	.25
	13.0	-.30	-.51	-.74	-.99	-1.32	-.72	-.51	.13	.28	.30
	20.0	-.09	-.19	-.31	-.43	-.53	-.69	-.17	.04	.12	.16
	25.0	-.07	-.16	-.25	-.35	-.44	-.55	-.06	.01	.09	.12
	30.0	-.07	-.14	-.23	-.30	-.38	-.35	-.04	-.01	.07	.09
	35.0	-.08	-.14	-.22	-.28	-.35	-.18	-.05	-.04	.03	.06
	40.0	-.10	-.15	-.22	-.27	-.33	-.09	-.07	-.05	.01	.04
	45.0	-.11	-.16	-.21	-.26	-.31	-.06	-.08	-.07	-.01	.01
	55.0	-.11	-.15	-.19	-.22	-.26	-.06	-.09	-.07	-.02	-.01
	65.0	-.09	-.11	-.14	-.16	-.19	-.06	-.07	-.06	-.03	0
	75.0	-.05	-.06	-.08	-.09	-.11	-.03	-.04	-.03	-.01	.01
	85.0	-.01	-.01	-.03	-.02	-.05	----	----	----	----	----
	90.0	.02	.02	.01	.01	-.01	.02	.02	.02	.03	.03
0.85	0	-0.18	0.07	0.28	0.48	0.45	----	----	----	----	----
	2.5	.43	.35	.19	-.09	-.48	-0.56	-0.49	-0.54	-0.20	0.07
	5.0	.31	.22	.08	-.17	-.44	-.56	-.49	-.28	-.09	.09
	7.5	.20	.10	-.05	-.27	-.52	-.57	-.51	-.17	-.01	.11
	10.0	.13	.02	-.13	-.32	-.55	-.57	-.54	-.08	.05	.13
	15.0	-.04	-.17	-.32	-.52	-.71	-.59	-.60	.04	.16	.24
	16.3	-.11	-.25	-.41	-.60	-.80	-.59	-.60	.06	.19	.26
	20.0	-.14	-.34	-.48	-.86	-1.17	-.61	-.51	.10	.19	.25
	25.0	-.13	-.21	-.30	-.38	-.49	-.64	-.23	.06	.11	.15
	30.0	-.11	-.18	-.25	-.32	-.39	-.62	-.03	.03	.06	.11
	35.0	-.12	-.17	-.23	-.29	-.34	-.54	.03	----	.04	.08
	40.0	-.12	-.17	-.22	-.28	-.31	-.41	.02	-.03	.01	.04
	45.0	-.13	-.17	-.21	-.25	-.29	-.27	0	-.04	-.02	.02
	55.0	-.12	-.15	-.17	-.20	-.23	-.04	-.03	-.06	-.04	-.01
	65.0	-.09	-.11	-.12	-.14	-.16	.03	-.03	-.05	-.03	-.01
	75.0	-.05	-.07	-.07	-.08	-.10	.03	-.01	-.02	-.02	0
	85.0	-.01	-.01	-.02	-.02	-.04	.04	.02	.01	.01	.02
	90.0	.02	.01	.02	0	-.01	.04	.03	.03	.02	.03
0.95	0	-.06	.13	.23	.45	.43	----	----	----	----	----
	2.5	.37	.32	.19	-.05	-.41	-0.40	-0.40	-0.62	-0.37	-0.04
	5.0	.24	.15	.03	-.14	-.40	-.39	-.40	-.44	-.17	-.02
	7.5	.19	.12	-.03	-.21	-.42	-.38	-.40	-.27	-.10	.01
	10.0	.11	.02	-.09	-.25	-.42	-.37	-.42	-.15	-.04	.03
	15.0	-.02	-.11	-.21	-.34	-.47	-.35	-.43	-.05	.06	.08
	20.8	-.22	-.31	-.42	-.55	-.67	-.33	-.34	.04	.16	.20
	23.4	----	----	----	----	----	-.32	-.31	.06	.18	.21
	24.5	-.39	-.45	-.55	-.79	-.96	----	----	----	----	----
	30.0	-.16	-.21	-.25	-.30	-.36	-.31	-.22	.08	.09	.09
	35.0	-.13	-.17	-.20	-.24	-.28	-.31	-.15	.04	.03	.04
	40.0	-.12	-.14	-.17	-.20	-.25	-.31	-.11	.01	-.01	.01
	45.0	-.12	-.14	-.15	-.20	-.25	-.31	-.09	-.02	-.03	-.02
	55.0	-.08	-.12	-.13	-.17	-.21	-.26	-.06	-.05	-.06	-.05
	65.0	-.08	-.08	-.09	-.13	-.17	-.21	-.04	-.04	-.05	-.03
	75.0	-.04	-.05	-.05	-.09	-.13	-.16	-.02	-.02	-.03	-.02
	85.0	-.02	-.01	-.01	-.05	-.09	-.12	.01	.01	0	0
	90.0	----	----	----	----	----	-.09	.02	.03	.02	.01

TABLE XX.- WING PRESSURE COEFFICIENTS; $\delta = 16^{\circ}$, M = 0.60, R = 3.2×10^{6} - Continued

(b) $\alpha_u = 12^{\circ}, 16^{\circ}, 20^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface, α_u, deg				Lower surface, α_u, deg			
		12	16	20		12	16	20	
0.154	0	-0.36	-0.81	-1.04		----	----	----	
	2.3	-1.63	-2.83	-1.96		0.61	0.68	0.70	
	5.0	-1.32	-2.35	-1.84		.51	.59	.62	
	7.5	-.94	-1.24	-1.75		----	----	----	
	10.0	-.84	-.95	-1.64		----	----	----	
	15.0	-.76	-.83	-1.47		.35	.44	.50	
	20.0	-.57	-.66	-1.12		.31	.40	.47	
	25.0	-.52	-.60	-.88		.29	.37	.45	
	30.0	-.47	-.56	-.75		.25	.34	.42	
	35.0	-.47	-.56	-.68		.23	.31	.39	
	40.0	-.42	-.47	-.68		.20	.28	.35	
	45.0	-.40	-.46	-.60		.17	.25	.32	
	55.0	-.35	-.46	-.54		.12	.19	.25	
	65.0	-.28	-.36	-.48		.10	.15	.19	
	75.0	-.23	-.35	-.51		.07	.11	.14	
	85.0	-.14	-.23	-.42		.06	.08	.08	
	95.0	-.06	-.13	-.32		.04	.02	-.02	
0.25	0	-0.62	-1.10	-1.24		----	----	----	
	2.3	-2.06	-2.06	-1.47		----	----	----	
	3.6	-1.87	-2.10	-1.45		----	----	----	
	5.0	-1.83	-2.21	-1.43		0.51	0.59	0.66	
	7.5	-1.74	-2.40	-1.45		.45	.55	.62	
	10.0	-1.61	-2.50	-1.45		.40	.51	.59	
	15.0	-1.20	-2.23	-1.45		.35	.45	.53	
	20.0	-.68	-1.52	-1.39		.30	.40	.48	
	25.0	-.49	-.86	-1.31		.26	.36	.44	
	30.0	-.46	-.59	-1.23		.23	.32	.39	
	35.0	-.46	-.51	-1.16		.21	.29	.36	
	40.0	-.38	-.44	-1.00		.17	.25	.32	
	45.0	-.38	-.43	-.94		.14	.21	.28	
	55.0	-.34	-.42	-.81		.11	.16	.21	
	65.0	-.28	-.38	-.73		.09	.13	.16	
	75.0	-.21	-.32	-.65		.07	.09	.11	
	85.0	-.13	-.24	-.57		.06	.06	.04	
	95.0	-.04	-.14	-.44		.04	-.01	-.09	
0.40	0	-0.66	-1.05	-1.06		----	----	----	
	2.5	-1.65	-1.45	-1.09		0.52	0.59	0.62	
	4.6	----	----	----		.49	.57	.60	
	6.0	-1.51	-1.46	-1.09		.49	.56	.60	
	7.5	-1.49	-1.47	-1.07		.45	.53	.58	
	10.0	-1.48	-1.47	-1.07		.41	.50	.55	
	15.0	-1.46	-1.45	-1.04		.35	.44	.49	
	20.0	-1.44	-1.46	-1.03		.30	.39	.45	
	25.0	-1.34	-1.41	-1.02		.27	.35	.40	
	30.0	-1.20	-1.34	-1.02		.24	.32	.37	
	35.0	-.99	-1.26	-1.02		.20	.28	.32	
	40.0	-.69	-1.17	-.98		.17	.24	.28	
	45.0	-.45	-1.05	-.97		.14	.20	.24	
	55.0	-.23	-.85	-.83		.10	.15	.17	
	65.0	-.18	-.68	-.78		.09	.11	.12	
	75.0	-.13	-.54	-.74		.06	.07	.04	
	85.0	-.07	-.39	-.71		.06	.03	-.05	
	95.0	.01	-.26	-.66		.05	-.06	-.25	
0.55	0	-0.47	-0.64	-0.82		----	----	----	
	2.5	-1.38	-.99	-.93		0.48	0.55	0.57	
	5.0	-1.35	-.98	-.90		.44	.52	.55	
	7.4	-1.30	-.98	-.90		.44	.50	.53	
	9.0	-1.24	-.98	-.90		.44	.50	.53	
	10.0	-1.24	-.98	-.89		.42	.48	.51	
	15.0	-1.19	-.96	-.88		.35	.42	.46	
	20.0	-1.17	-.95	-.87		.30	.37	.41	
	25.0	-1.17	-.91	-.85		.26	.33	.37	
	30.0	-1.15	-.91	-.84		.23	.29	.33	
	35.0	-1.11	-.91	-.83		.19	.25	.29	
	40.0	-.98	-.83	-.76		----	----	----	
	45.0	-.92	-.83	-.75		.13	.18	.20	
	55.0	-.77	-.79	-.73		.09	.12	.13	
	65.0	-.57	-.73	-.71		.07	.07	.06	
	75.0	-.38	-.67	-.70		.06	.02	-.01	
	85.0	-.21	-.60	-.67		.05	-.04	-.11	
	95.0	-.08	-.55	-.63		.02	-.21	-.32	

TABLE XX.- WING PRESSURE COEFFICIENTS; $\delta = 16^{\circ}$, M = 0.60, R = 3.2×10^{6} - Concluded

(b) $\alpha_u = 12^{\circ}, 16^{\circ}, 20^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		12	16	20		12	16	20	
0.70	2.5	-1.11	-0.72	-0.76		0.46	0.51	0.53	
	5.0	-1.08	-.73	-.79		.40	.46	.50	
	7.5	-1.07	-.73	-.79		.38	.44	.47	
	10.0	-1.02	-.73	-.79		----	----	----	
	11.1	-.99	-.73	-.79		.39	.43	.46	
	13.0	-.91	-.73	-.78		.41	.44	.46	
	20.0	-.79	-.67	-.70		.30	.35	.38	
	25.0	-.76	-.66	-.69		.26	.31	.34	
	30.0	-.73	-.65	-.68		.22	.27	.30	
	35.0	-.71	-.64	-.68		.19	.23	.25	
	40.0	-.68	-.63	-.67		.15	.18	.21	
	45.0	-.65	-.62	-.66		.12	.15	.16	
	55.0	-.59	-.60	-.64		.07	.08	.08	
	65.0	-.53	-.58	-.63		.04	.02	.02	
	75.0	-.46	-.55	-.61		.01	-.04	-.05	
	85.0	-.41	-.53	-.59		----	----	----	
	90.0	-.37	-.51	-.58		-.07	-.18	-.21	
0.85	0	-0.23	-0.32	-0.56		----	----	----	
	2.5	-.97	-.65	-.66		.39	.45	.49	
	5.0	-.89	-.65	-.67		.34	.39	.45	
	7.5	-.86	-.65	-.67		.30	.35	.41	
	10.0	-.80	-.65	-.67		.29	.33	.39	
	15.0	-.64	-.61	-.60		.31	.33	.38	
	16.3	-.62	-.61	-.60		.31	.33	.38	
	20.0	-.57	-.57	-.58		.31	.33	.36	
	25.0	-.54	-.56	-.57		.24	.25	.29	
	30.0	-.50	-.54	-.56		.19	.21	.24	
	35.0	-.48	-.53	-.55		.15	.16	.20	
	40.0	-.45	-.52	-.55		.11	.12	.15	
	45.0	-.42	-.51	-.55		.07	.08	.11	
	55.0	-.37	-.49	-.54		.02	.01	.03	
	65.0	-.33	-.46	-.52		-.02	-.04	-.03	
	75.0	-.30	-.44	-.51		-.05	-.09	-.10	
	85.0	-.27	-.41	-.49		-.08	-.14	-.16	
	90.0	-.27	-.40	-.48		-.11	-.18	-.20	
0.95	0	-0.07	-0.05	-0.25		----	----	----	
	2.5	-1.25	-.59	-.58		0.32	0.36	0.40	
	5.0	-1.10	-.63	-.60		.24	.28	.33	
	7.5	-.98	-.63	-.60		.20	.24	.28	
	10.0	-.75	-.58	-.52		.17	.20	.24	
	15.0	-.59	-.56	-.54		.15	.16	.19	
	20.8	-.56	-.53	-.55		.15	.15	.18	
	23.4	----	----	----		.19	.19	.17	
	24.5	-.46	-.49	-.54		----	----	----	
	30.0	-.40	-.47	-.54		.08	.08	.08	
	35.0	-.39	-.46	-.54		.04	.04	.05	
	40.0	-.38	-.46	-.54		.02	.02	.02	
	45.0	-.38	-.44	-.53		-.01	-.01	-.01	
	55.0	-.38	-.42	-.48		-.04	-.05	-.06	
	65.0	-.36	-.38	-.45		-.06	-.09	-.10	
	75.0	-.34	-.36	-.45		-.07	-.11	-.14	
	85.0	-.31	-.34	-.44		-.09	-.14	-.18	
	90.0	----	----	----		-.11	-.17	-.22	

TABLE XXI.- WING PRESSURE COEFFICIENTS; $\delta = 16^{\circ}$, $M = 0.80$, $R = 3.2\times10^{6}$

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.40	0	-0.03	0.23	0.44	0.51	0.47	----	----	----	----	----
	2.5	.33	.18	0	-.27	-.55	-0.53	-0.24	-0.07	0.12	0.29
	4.6	----	----	----	----	----	-.53	-.24	-.08	.26	.30
	6.0	-.09	-.29	-.51	-.82	-1.10	-.54	-.28	-.01	.29	.38
	7.5	-.01	-.13	-.26	-.78	-1.12	-.57	-.32	.07	.21	.29
	10.0	-.04	-.16	-.28	-.44	-.85	-.60	-.22	.07	.14	.22
	15.0	-.06	-.16	-.26	-.41	-.53	-.33	-.10	-.01	.08	.16
	20.0	-.08	-.16	-.25	-.39	-.50	-.19	-.11	-.04	.05	.13
	25.0	-.06	-.14	-.23	-.35	-.45	-.18	-.12	-.06	.03	.10
	30.0	-.08	-.16	-.23	-.33	-.42	-.19	-.13	-.07	.01	.08
	35.0	-.10	-.16	-.23	-.33	-.41	-.22	-.16	-.09	-.02	.04
	40.0	-.11	-.17	-.23	-.33	-.39	-.23	-.17	-.11	-.03	.02
	45.0	-.14	-.19	-.24	-.34	-.39	-.24	-.18	-.13	-.06	0
	55.0	----	----	----	----	----	-.21	-.17	-.13	-.07	-.02
	65.0	----	----	----	----	----	-.16	-.13	-.09	-.04	-.01
	75.0	----	----	----	----	----	-.11	-.09	-.07	-.03	0
	85.0	-.02	-.03	-.05	-.05	-.06	-.04	-.03	-.02	.01	.02
	95.0	.04	.03	.03	.03	.03	.03	.03	.03	.04	.04
0.55	0	-0.16	0.16	0.40	0.51	0.48	----	----	----	----	----
	2.5	.39	.26	.10	-.15	-.44	-0.69	-0.37	-0.20	0.02	0.21
	5.0	.21	.06	-.12	-.33	-.54	-.71	-.43	-.16	.17	.24
	7.4	-.02	-.21	-.43	-.69	-.84	-.75	-.46	-.07	.23	.25
	9.0	-.22	-.42	-.69	-1.00	-1.31	-.77	-.46	-.01	.25	.34
	10.0	-.20	-.40	-.69	-1.00	-1.30	-.79	-.45	.03	.21	.30
	15.0	-.11	-.21	-.32	-.58	-1.09	-.69	-.27	.03	.11	.19
	20.0	-.10	-.19	-.28	-.44	-.61	-.35	-.11	-.02	.06	.14
	25.0	-.08	-.17	-.26	-.38	-.43	-.14	-.09	-.05	.03	.11
	30.0	-.09	-.17	-.25	-.36	-.42	-.14	-.10	-.07	.01	.08
	35.0	-.10	-.17	-.25	-.36	-.41	-.17	-.13	-.08	-.01	.05
	40.0	-.10	-.16	-.24	-.31	-.36	----	----	----	----	----
	45.0	-.11	-.18	-.24	-.30	-.34	-.19	-.15	-.11	-.05	.01
	55.0	-.12	-.17	-.22	-.26	-.28	-.17	-.14	-.11	-.05	-.01
	65.0	-.10	-.13	-.17	-.19	-.20	-.13	-.10	-.08	-.04	0
	75.0	-.06	-.08	-.10	-.11	-.12	-.07	-.06	-.05	-.02	.01
	85.0	-.01	-.02	-.04	-.03	-.03	-.02	0	-.01	.01	.03
	95.0	.04	.04	.04	.03	.05	.04	.05	.04	.05	.05
0.70	2.5	0.42	0.31	0.13	-0.11	-0.44	-0.68	-0.45	-0.32	-0.11	0.13
	5.0	.27	.16	0	-.24	-.50	-.69	-.44	-.28	-.05	.17
	7.5	.15	.02	-.13	-.36	-.58	-.69	-.45	-.19	.11	.18
	10.0	.04	-.12	-.29	-.51	-.67	----	----	----	----	----
	11.1	-.05	-.20	-.38	-.59	-.72	-.71	-.51	-.08	.21	.28
	13.0	-.34	-.55	-.83	-1.12	-1.15	-.71	-.51	-.04	.23	.31
	20.0	-.10	-.21	-.33	-.54	-.82	-.73	-.33	.02	.10	.16
	25.0	-.08	-.17	-.28	-.36	-.63	-.65	-.13	-.01	.06	.13
	30.0	-.09	-.16	-.26	-.32	-.53	-.50	-.07	-.03	.04	.10
	35.0	-.10	-.17	-.26	-.31	-.46	-.30	-.08	-.06	.01	.07
	40.0	-.12	-.18	-.26	-.30	-.41	-.14	-.09	-.08	-.01	.04
	45.0	-.13	-.19	-.25	-.29	-.36	-.08	-.11	-.09	-.04	.01
	55.0	-.14	-.17	-.22	-.24	-.28	-.06	-.10	-.10	-.05	-.02
	65.0	-.11	-.13	-.16	-.17	-.20	-.05	-.07	-.06	-.04	-.01
	75.0	-.06	-.07	-.09	-.09	-.11	-.02	-.03	-.03	-.02	0
	85.0	-.01	-.02	-.03	-.02	-.04	----	----	----	----	----
	90.0	.02	.02	.01	.02	0	.04	.04	.03	.03	.04

TABLE XXI.- WING PRESSURE COEFFICIENTS; $\delta = 16^{\circ}$, M = 0.80, R = 3.2×10^{6} - Continued

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}, 6^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface					Lower surface				
		α_u, deg					α_u, deg				
		-2	0	2	4	6	-2	0	2	4	6
0.85	0	-0.11	0.14	0.38	0.48	0.47	----	----	----	----	----
	2.5	.44	.36	.20	-.05	-.40	-0.61	-0.49	-0.43	-0.29	0.04
	5.0	.34	.22	.08	-.13	-.40	-.61	-.48	-.39	-.09	.07
	7.5	.23	.12	-.04	-.24	-.46	-.61	-.49	-.36	-.03	.10
	10.0	.15	.03	-.12	-.31	-.50	-.62	-.52	-.30	.04	.11
	15.0	-.03	-.17	-.33	-.48	-.61	-.63	-.56	-.19	.15	.24
	16.3	-.11	-.26	-.43	-.56	-.66	-.63	-.54	-.16	.18	.26
	20.0	-.24	-.47	-.81	-.98	-.88	-.65	-.55	-.08	.19	.25
	25.0	-.14	-.23	-.35	-.80	-.86	-.67	-.47	.04	.10	.15
	30.0	-.13	-.21	-.29	-.50	-.79	-.66	-.28	.05	.06	.11
	35.0	-.14	-.20	-.27	-.33	-.69	-.63	-.10	.03	.03	.07
	40.0	-.15	-.20	-.25	-.27	-.57	-.55	-.01	0	0	.04
	45.0	-.16	-.20	-.23	-.25	-.47	-.43	.01	-.03	-.03	.01
	55.0	-.14	-.16	-.18	-.19	-.28	-.12	0	-.05	-.05	-.03
	65.0	-.10	-.11	-.12	-.13	-.17	.05	0	-.04	-.05	-.03
	75.0	-.06	-.06	-.06	-.07	-.09	.06	.01	-.01	-.03	-.02
	85.0	0	0	0	-.01	-.03	.06	.04	.02	.01	.01
	90.0	.02	.03	.03	.02	0	.07	.06	.04	.03	.03
0.95	0	-0.02	0.15	0.33	0 43	0.47	----	----	----	----	----
	2.5	.41	.34	.19	-.04	-.36	-0.44	-0.44	-0.40	-0.45	-0.07
	5.0	.27	.21	.07	-.14	-.39	-.43	-.43	-.38	-.22	-.03
	7.5	.20	.13	.01	-.21	-.42	-.41	-.43	-.37	-.13	-.01
	10.0	.14	.04	-.10	-.26	-.44	-.41	-.44	-.37	-.06	.01
	15.0	-.02	-.12	-.24	-.37	-.46	-.39	-.47	-.34	.05	.09
	20.8	-.24	-.35	-.48	-.56	-.55	-.36	-.45	-.17	.14	.19
	23.4	----	----	----	----	----	-.36	-.42	-.10	.15	.20
	24.5	-.40	-.57	-.72	-.71	-.62	----	----	----	----	----
	30.0	-.21	-.25	-.35	-.58	-.59	-.33	-.36	.05	.09	.08
	35.0	-.17	-.19	-.21	-.40	-.51	-.33	-.26	.07	.03	.03
	40.0	-.15	-.17	-.17	-.27	-.43	-.33	-.17	.05	-.02	-.01
	45.0	-.14	-.16	-.16	-.21	-.37	-.33	-.09	.02	-.05	-.04
	55.0	-.12	-.13	-.14	-.17	-.29	-.30	-.04	-.02	-.07	-.07
	65.0	-.08	-.09	-.10	-.13	-.24	-.24	-.02	-.02	-.06	-.05
	75.0	-.04	-.04	-.05	-.09	-.20	-.19	0	0	-.03	-.03
	85.0	-.01	.01	-.01	-.05	-.16	-.14	.03	.03	.01	-.01
	90.0	----	----	----	----	----	-.12	.04	.04	.02	-.01

TABLE XXI.- WING PRESSURE COEFFICIENTS; $\delta = 16^{\circ}$, M = 0.80, $R = 3.2 \times 10^{6}$ - Continued

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 20^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface, α, deg				Lower surface, α, deg			
		8	12	20		8	12	20	
0.40	0	0.32	-0.08	-0.59		----	----	----	
	2.5	-.80	-1.66	-.88		0.38	0.51	0.64	
	4.6	----	----	----		.39	.50	.63	
	6.0	-1.19	-1.41	-.89		.41	.50	.62	
	7.5	-.94	-1.31	-.87		.35	.45	.60	
	10.0	-.85	-1.23	-.87		.30	.41	.56	
	15.0	-.73	-1.14	-.87		.23	.35	.51	
	20.0	-.65	-1.09	-.85		.20	.31	.47	
	25.0	-.60	-1.04	----		.16	.27	.42	
	30.0	-.55	-.96	-.83		.14	.24	.39	
	35.0	-.52	-.90	-.83		.10	.20	.34	
	40.0	-.48	-.81	-.83		.08	.17	.30	
	45.0	-.46	-.72	-.83		.05	.14	.26	
	55.0	----	----	----		.02	.10	.18	
	65.0	----	----	----		.03	.09	.13	
	75.0	----	----	----		.02	.06	.05	
	85.0	-.09	-.18	-.73		.03	.04	-.04	
	95.0	0	-.09	-.71		.04	0	-.24	
0.55	0	0.32	-0.08	-0.48		----	----	----	
	2.5	-.80	-1.69	-.79		0.33	0.47	0.60	
	5.0	-.71	-1.61	-.78		.33	.44	.57	
	7.4	-1.00	-1.53	-.78		.34	.44	.55	
	9.0	-1.50	-1.52	-.78		.35	.45	.55	
	10.0	-1.50	-1.51	----		.35	.43	.53	
	15.0	-1.35	-1.33	-.77		.25	.35	.48	
	20.0	-1.15	-1.25	-.76		.20	.31	.44	
	25.0	-.91	-1.20	-.74		.17	.27	.39	
	30.0	-.60	-1.14	-.74		.14	.23	.35	
	35.0	-.42	-1.06	-.72		.11	.20	.31	
	40.0	-.35	-.91	-.72		----	----	----	
	45.0	-.34	-.81	-.72		.06	.14	.22	
	55.0	-.29	-.59	-.71		.03	.10	.15	
	65.0	-.21	-.40	-.70		.02	.07	.08	
	75.0	-.12	-.27	-.69		.03	.05	0	
	85.0	-.03	-.18	-.68		.04	.02	-.09	
	95.0	.03	-.11	-.67		.05	-.03	-.30	
0.70	2.5	-0.82	-1.74	-0.72		0.29	0.45	0.55	
	5.0	-.72	-1.65	-.72		.27	.40	.51	
	7.5	-.77	-1.58	-.72		.28	.38	.48	
	10.0	-.90	-1.46	-.71		----	----	----	
	11.1	-.92	-1.40	-.72		.29	.39	.48	
	13.0	-1.22	-1.08	-.72		.36	.42	.47	
	20.0	-1.11	-.89	-.71		.22	.31	.39	
	25.0	-.91	-.83	-.70		.18	.27	.35	
	30.0	-.75	-.79	-.70		.15	.23	.31	
	35.0	-.62	-.74	-.69		.13	.19	.26	
	40.0	-.52	-.71	-.69		.09	.16	.22	
	45.0	-.45	-.67	-.69		.06	.12	.17	
	55.0	-.34	-.60	-.68		.02	.07	.09	
	65.0	-.24	-.53	-.67		.01	.04	.02	
	75.0	-.16	-.46	-.66		.01	0	-.06	
	85.0	-.08	-.38	-.65		----	----	----	
	90.0	-.04	-.34	-.64		.02	-.06	-.23	

TABLE XXI.- WING PRESSURE COEFFICIENTS; $\delta = 16^{\circ}$, M = 0.80, R = 3.2×10^{6} - Concluded

(b) $\alpha_u = 8^{\circ}, 12^{\circ}, 20^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		8	12	20		8	12	20	
0.85	0	0.32	-0.12	-0.44		----	----	----	
	2.5	-.89	-1.68	----		0.22	0.40	0.48	
	5.0	-.70	-1.65	-.68		.20	.35	.44	
	7.5	-.66	-1.60	-.69		.19	.32	.41	
	10.0	-.64	-1.47	-.68		.21	.31	.38	
	15.0	-.73	-.90	-.66		.22	.32	.37	
	16.3	-.76	-.80	-.65		.23	.32	.38	
	20.0	-.79	-.69	-.64		.28	.33	.35	
	25.0	-.74	-.67	-.63		.19	.25	.29	
	30.0	-.69	-.65	-.62		.14	.20	.24	
	35.0	-.65	-.62	-.62		.10	.16	.19	
	40.0	-.61	-.59	-.62		.06	.11	.14	
	45.0	-.58	-.56	-.62		.03	.07	.09	
	55.0	-.48	-.49	-.61		-.01	.02	-.01	
	65.0	-.37	-.43	-.60		-.03	-.02	-.08	
	75.0	-.27	-.39	-.60		-.03	-.05	-.15	
	85.0	-.19	-.34	-.58		-.02	-.09	-.23	
	90.0	-.15	-.33	-.57		-.01	-.11	-.27	
0.95	0	0.38	0.06	-0.20		----	----	----	
	2.5	-.90	-.99	-.60		0.13	0.34	0.40	
	5.0	-.68	-.99	-.58		.10	.26	.33	
	7.5	-.60	-.95	----		.08	.22	.28	
	10.0	-.64	-.85	-.60		.08	.19	.24	
	15.0	-.57	-.76	-.61		.08	.16	.19	
	20.8	-.64	-.66	-.62		.19	.15	.17	
	23.4	----	----	----		.18	.18	.17	
	24.5	-.72	-.57	-.60		----	----	----	
	30.0	-.63	-.52	-.60		.07	.08	.06	
	35.0	-.54	-.50	-.59		.02	.04	.01	
	40.0	-.45	-.47	-.59		-.02	.01	-.02	
	45.0	-.38	-.45	-.58		-.05	-.01	-.06	
	55.0	-.31	-.42	-.58		-.07	-.05	-.12	
	65.0	-.28	-.41	-.57		-.07	-.07	-.18	
	75.0	-.24	-.40	-.56		-.06	-.08	-.23	
	85.0	-.20	-.38	-.55		-.05	-.11	-.28	
	90.0	----	----	----		-.06	-.13	-.32	

TABLE XXII.- WING PRESSURE COEFFICIENTS; $\delta = 16^{\circ}$, M = 0.90, R = 3.2×10^{6}

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		-2	0	2	4	-2	0	2	4
0.154	0		0.46	0.61	0.67		----	----	----
	2.3		.03	-.13	-.28		0.13	0.25	0.35
	5.0		0	-.11	-.20		.02	.13	.23
	7.5		-.02	-.12	-.21		----	----	----
	10.0		-.01	-.10	-.19		----	----	----
	15.0		-.06	-.13	-.23		-.05	.04	.11
	20.0		-.04	-.12	-.22		-.06	.02	.09
	25.0		-.05	-.12	-.23		-.08	0	.06
	30.0		-.06	-.15	-.25		-.11	-.04	.03
	35.0		-.11	-.18	-.27		-.11	-.04	.02
	40.0		-.14	-.21	-.28		-.15	-.08	-.02
	45.0		-.14	-.21	-.34		-.17	-.10	-.04
	55.0		-.18	-.24	-.34		-.22	-.15	-.09
	65.0		-.17	-.22	-.31		-.21	-.14	-.08
	75.0		-.17	-.22	-.32		-.18	-.13	-.08
	85.0		-.10	-.12	-.16		-.11	-.08	-.05
	95.0		-.04	-.04	-.05		-.04	-.03	-.02
0.25	0		0.39	0.52	0.57		----	----	----
	2.3		.02	-.23	-.49		----	----	----
	3.6		-.07	-.33	-.61		----	----	----
	5.0		-.04	-.17	-.27		0.03	0.16	0.24
	7.5		-.08	-.19	-.34		.03	.08	.16
	10.0		-.09	-.19	-.28		-.04	.04	.13
	15.0		-.10	-.19	-.29		-.08	.01	.09
	20.0		-.11	-.19	-.27		-.09	-.01	.06
	25.0		-.11	-.19	-.27		-.11	-.03	.03
	30.0		-.13	-.20	-.28		-.13	-.06	.01
	35.0		-.15	-.23	-.30		-.15	-.08	-.01
	40.0		-.15	-.22	-.29		-.19	-.11	-.05
	45.0		-.17	-.24	-.32		-.22	-.14	-.07
	55.0		-.19	-.26	-.36		-.23	-.16	-.09
	65.0		-.18	-.24	-.34		-.19	-.13	-.08
	75.0		-.14	-.18	-.25		-.15	-.10	-.07
	85.0		-.08	-.11	-.14		-.08	-.06	-.04
	95.0		.01	-.01	-.03		-.01	0	0
0.40	0	0.05	0.29	0.45	0.53	----	----	----	----
	2.5	.34	.21	.04	-.15	-0.49	-0.24	-0.05	0.08
	4.6	----	----	----	----	-.50	-.24	-.09	.26
	6.0	-.11	-.29	-.51	-.78	-.51	-.28	-.05	.29
	7.5	-.01	-.12	-.30	-.76	-.54	-.32	.04	.21
	10.0	-.03	-.16	-.29	-.44	-.58	-.22	.08	.14
	15.0	-.08	-.17	-.26	-.38	-.34	-.10	0	.08
	20.0	-.09	-.18	-.30	-.37	-.21	-.12	-.03	.05
	25.0	-.09	-.16	-.27	-.35	-.21	-.14	-.06	.02
	30.0	-.10	-.18	-.25	-.37	-.23	-.16	-.07	0
	35.0	-.13	-.19	-.29	-.39	-.28	-.19	-.11	-.03
	40.0	-.13	-.20	-.29	-.39	-.31	-.22	-.13	-.05
	45.0	-.16	-.23	-.32	-.42	-.36	-.24	-.15	-.08
	55.0	----	-.21	-.29	-.41	-.31	-.22	-.15	-.09
	65.0	----	-.18	-.22	-.30	-.20	-.16	-.11	-.07
	75.0	----	-.12	-.14	-.16	-.13	-.12	-.08	-.05
	85.0	-.03	-.05	-.05	-.05	-.04	-.04	-.02	-.01
	95.0	.04	.04	.04	.04	.04	.03	.04	.03
0.55	0	-0.08	0.19	0.40	0.52	----	----	----	----
	2.5	.39	.29	.14	-.04	-0.68	-0.40	-0.18	-0.05
	5.0	.20	.07	-.07	-.21	-.71	-.44	-.18	.14
	7.4	-.03	-.21	-.41	-.51	-.74	-.47	-.18	.21
	9.0	-.25	-.46	-.75	-1.03	-.76	-.47	-.13	.24
	10.0	-.23	-.41	-.75	-1.02	-.77	-.46	-.09	.20
	15.0	-.10	-.22	-.34	-.74	-.71	-.33	.03	.09
	20.0	-.12	-.21	-.33	-.45	-.45	-.17	-.02	.05
	25.0	-.10	-.19	-.30	-.41	-.25	-.14	-.06	.02
	30.0	-.12	-.19	-.29	-.40	-.24	-.16	-.09	-.01
	35.0	-.13	-.21	-.31	-.41	-.28	-.18	-.11	-.04
	40.0	-.12	-.21	-.30	-.41	----	----	----	----
	45.0	-.15	-.22	-.32	-.44	-.28	-.21	-.14	-.07
	55.0	-.16	-.22	-.28	-.42	-.23	-.19	-.14	-.08
	65.0	-.13	-.18	-.20	-.21	-.14	-.13	-.10	-.06
	75.0	-.08	-.10	-.11	-.10	-.08	-.08	-.05	-.03
	85.0	-.02	-.03	-.02	-.02	-.01	-.01	0	.01
	95.0	.05	.06	.06	.06	.06	.05	.06	.06

TABLE XXII.- WING PRESSURE COEFFICIENTS; $\delta = 16^{\circ}$, M = 0.90, R = 3.2×10^{6} = Continued

(a) $\alpha_u = -2^{\circ}, 0^{\circ}, 2^{\circ}, 4^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		-2	0	2	4	-2	0	2	4
0.70	2.5	0.41	0.31	0.16	-0.03	-0.75	-0.49	-0.27	-0.20
	5.0	.27	.16	0	-.17	-.76	-.49	-.25	.02
	7.5	.15	.03	-.12	-.28	-.77	-.51	-.25	.08
	10.0	.03	-.11	-.26	-.39	----	----	----	----
	11.1	-.05	-.18	-.35	-.46	-.78	-.56	-.27	.18
	13.0	-.38	-.64	-.95	-1.08	-.78	-.55	-.24	.20
	20.0	-.12	-.24	-.38	-.78	-.80	-.41	-.01	.07
	25.0	-.10	-.20	-.33	-.62	-.72	-.23	0	.04
	30.0	-.11	-.20	-.30	-.54	-.58	-.15	-.03	.01
	35.0	-.12	-.21	-.31	-.50	-.41	-.14	-.07	-.02
	40.0	-.15	-.23	-.33	-.49	-.25	-.14	-.09	-.04
	45.0	-.17	-.24	-.33	-.48	-.16	-.15	-.11	-.07
	55.0	-.18	-.23	-.27	-.29	-.09	-.14	-.11	-.08
	65.0	-.14	-.17	-.17	-.16	-.05	-.08	-.07	-.05
	75.0	-.08	-.08	-.08	-.08	-.02	-.03	-.03	-.02
	85.0	-.01	-.01	0	-.01	----	----	----	----
	90.0	.02	.02	.04	.03	.05	.05	.05	.04
0.85	0	-0.08	0.16	0.38	0.48	----	----	----	----
	2.5	.44	.36	.22	.02	-0.71	-0.55	-0.36	-0.39
	5.0	.34	.24	.09	-.08	-.70	-.54	-.34	-.16
	7.5	.22	.12	-.01	-.17	-.70	-.56	-.37	-.05
	10.0	.14	.04	-.10	-.23	-.71	-.58	-.42	.02
	15.0	-.03	-.15	-.27	-.38	-.72	-.62	-.48	.13
	16.3	-.11	-.25	-.35	-.44	-.71	-.61	-.43	.16
	20.0	-.37	-.69	-.98	-1.21	-.73	-.61	-.31	.17
	25.0	-.16	-.25	-.68	-1.17	-.74	-.55	.06	.09
	30.0	-.16	-.24	-.36	-.97	-.74	-.39	.07	.04
	35.0	-.18	-.26	-.32	-.58	-.69	-.19	.03	.01
	40.0	-.20	-.28	-.34	-.34	-.61	-.06	0	-.02
	45.0	-.21	-.27	-.29	-.24	-.48	0	-.03	-.04
	55.0	-.17	-.17	-.16	-.16	-.12	.01	-.05	-.07
	65.0	-.11	-.11	-.09	-.09	.05	.01	-.03	-.06
	75.0	-.06	-.05	-.04	-.03	.04	.02	0	-.02
	85.0	0	.02	.03	.03	.05	.05	.04	.02
	90.0	.03	.05	.06	.05	.06	.08	.06	.05
0.95	0	-0.03	0.15	0.36	0.44	----	----	----	----
	2.5	.41	.34	.20	.02	-0.47	-0.50	-0.32	-0.50
	5.0	.29	.20	.07	-.09	-.46	-.49	-.31	-.35
	7.5	.22	.14	-.04	-.15	-.45	-.49	-.31	-.19
	10.0	.15	.05	-.09	-.22	-.44	-.50	-.33	-.10
	15.0	-.02	-.11	-.24	-.35	-.43	-.52	-.36	.01
	20.8	-.28	-.38	-.48	-.58	-.41	-.50	-.31	.10
	23.4	----	----	----	----	-.40	-.47	-.27	.12
	24.5	-.61	-.78	-.73	-.72	----	----	----	----
	30.0	-.27	-.40	-.60	-.64	-.37	-.44	-.17	.08
	35.0	-.19	-.17	-.45	-.55	-.36	-.34	-.10	.02
	40.0	-.16	-.13	-.31	-.47	-.35	-.23	-.04	-.04
	45.0	-.16	-.14	-.21	-.39	-.33	-.13	-.02	-.07
	55.0	-.14	-.13	-.12	-.24	-.29	-.03	-.01	-.08
	65.0	-.10	-.08	-.08	-.16	-.25	-.01	0	-.05
	75.0	-.05	-.03	-.04	-.12	-.20	.02	.02	-.01
	85.0	-.01	.02	0	-.09	-.15	.05	.05	.03
	90.0	----	----	----	----	-.12	.06	.06	.04

TABLE XXII.- WING PRESSURE COEFFICIENTS; $\delta = 16^{\circ}$, M = 0.90, R = 3.2×10^{6} - Continued

(b) $\alpha_u = 6^{\circ}, 8^{\circ}, 10^{\circ}$

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α, deg				α, deg			
		6	8	10		6	8	10	
0.154	0	0.68	0.63	0.53		----	----	----	
	2.3	-.42	-.53	-.84		0.44	0.52	0.59	
	5.0	-.31	-.39	-.55		.31	.40	.48	
	7.5	-.31	-.41	-.54		----	----	----	
	10.0	-.28	-.40	-.54		----	----	----	
	15.0	-.36	-.52	-.66		.18	.25	.32	
	20.0	-.33	-.40	-.45		.16	.22	.28	
	25.0	-.30	-.34	-.39		.13	.19	.25	
	30.0	-.29	-.34	-.42		.09	.15	.22	
	35.0	-.30	-.35	-.42		.08	.13	.19	
	40.0	-.31	-.38	-.46		.04	.10	.15	
	45.0	-.36	-.44	-.50		.02	.07	.13	
	55.0	-.41	-.47	-.52		-.03	.02	.07	
	65.0	-.39	-.47	-.53		-.04	0	.05	
	75.0	-.54	-.62	-.67		-.05	-.01	.03	
	85.0	-.22	-.31	-.32		-.03	0	.02	
	95.0	-.07	-.10	-.12		-.01	0	0	
0.25	0	0.54	0.46	0.33		----	----	----	
	2.3	-.69	-.86	-1.07		----	----	----	
	3.6	-.91	-1.02	-1.13		----	----	----	
	5.0	-.86	-1.04	-1.13		0.32	0.39	0.45	
	7.5	-.39	-.86	-1.13		.25	.32	.39	
	10.0	-.39	-.68	-1.08		.21	.28	.35	
	15.0	-.37	-.42	-.91		.16	.22	.29	
	20.0	-.35	-.41	-.46		.13	.20	.26	
	25.0	-.34	-.39	-.44		.10	.16	.22	
	30.0	-.34	-.39	-.47		.07	.13	.19	
	35.0	-.37	-.42	-.50		.05	.11	.17	
	40.0	-.36	-.42	-.47		.02	.07	.12	
	45.0	-.38	-.46	-.50		-.01	.04	.09	
	55.0	-.44	-.52	-.58		-.04	.01	.06	
	65.0	-.47	-.57	-.64		-.03	0	.04	
	75.0	-.36	-.49	-.53		-.03	0	.03	
	85.0	-.20	-.29	-.31		-.02	0	.01	
	95.0	-.07	-.11	-.14		.01	0	-.01	
0.40	0	0.54	0.45	0.29		----	----	----	
	2.5	-.34	-.52	-1.01		0.28	0.37	0.45	
	4.6	----	----	----		.28	.39	.45	
	6.0	-1.00	-1.06	-1.15		.37	.42	.46	
	7.5	-1.00	-1.09	-1.18		.29	.36	.41	
	10.0	-.88	.99	-1.00		.22	.30	.36	
	15.0	-.57	.78	-.84		.16	.23	.29	
	20.0	-.47	.75	-.83		.12	.19	.26	
	25.0	-.44	.68	-.77		.09	.16	.22	
	30.0	-.44	.61	-.73		.06	.14	.19	
	35.0	-.46	.57	-.72		.03	.10	.15	
	40.0	-.48	.56	-.71		0	.07	.12	
	45.0	-.50	.58	-.73		-.03	.04	.08	
	55.0	-.52	-.61	-.72		-.05	.01	.04	
	65.0	-.46	-.59	-.58		-.03	.01	.04	
	75.0	-.19	-.29	-.34		-.03	0	.02	
	85.0	-.06	-.07	-.19		-.01	.01	.01	
	95.0	.03	.01	-.10		.02	.01	-.03	
0.55	0	0.52	0.45	0.28		----	----	----	
	2.5	-.27	-.49	-1.02		0.17	0.30	0.39	
	5.0	-.38	-.51	-.88		.20	.31	.37	
	7.4	-.61	-.74	-.88		.26	.32	.38	
	9.0	-1.21	-1.21	-1.35		.31	.37	.40	
	10.0	-1.20	-1.20	-1.35		.27	.35	.38	
	15.0	-1.11	-1.18	-1.33		.18	.24	.29	
	20.0	-.81	-1.06	-1.21		.12	.19	.24	
	25.0	-.57	-1.00	-1.05		.08	.15	.20	
	30.0	-.51	-.92	-.98		.05	.12	.17	
	35.0	-.51	-.82	-.90		.03	.09	.14	
	40.0	-.51	-.71	-.76		----	----	----	
	45.0	-.55	-.64	-.71		-.03	.04	.07	
	55.0	-.60	-.63	-.65		-.05	.01	.03	
	65.0	-.29	-.38	-.51		-.04	0	.01	
	75.0	-.10	-.14	-.39		-.02	0	0	
	85.0	-.03	-.06	-.29		0	.01	-.02	
	95.0	.06	.02	-.17		.04	.03	-.04	

TABLE XXII.- WING PRESSURE COEFFICIENTS; $\delta = 16^{\circ}$, M = 0.90, R = 3.2×10^{6} - Concluded

(b) $\alpha_u = 6^{\circ}, 8^{\circ}, 10^{\circ}$ - Concluded

$\frac{y}{b/2}$	$\frac{x}{c}$, percent	Upper surface				Lower surface			
		α_u, deg				α_u, deg			
		6	8	10		6	8	10	
0.70	2.5	-0.26	-0.50	-1.04		0.05	0.23	0.34	
	5.0	-.33	-.50	-.92		.11	.23	.30	
	7.5	-.43	-.55	-.85		.12	.25	.31	
	10.0	-.54	-.66	-.82		----	----	----	
	11.1	-.57	-.70	-.81		.26	.25	.32	
	13.0	-1.28	-1.35	-1.18		.28	.35	.38	
	20.0	-1.21	-1.29	-1.01		.14	.21	.25	
	25.0	-1.11	-1.26	-.94		.10	.16	.21	
	30.0	-.78	-1.10	-.89		.07	.13	.17	
	35.0	-.62	-.93	-.86		.04	.09	.13	
	40.0	-.60	-.77	-.81		.01	.06	.09	
	45.0	-.61	-.65	-.77		-.02	.03	.06	
	55.0	-.33	-.51	-.70		-.05	-.01	.01	
	65.0	-.18	-.39	-.65		-.03	-.02	-.02	
	75.0	-.12	-.27	-.59		-.02	-.02	-.04	
	85.0	-.04	-.16	-.51		----	----	----	
	90.0	0	-.11	-.46		.03	-.01	-.10	
0.85	0	0.51	0.43	0.25		----	----	----	
	2.5	-.24	-.56	-1.09		-0.04	0.16	0.28	
	5.0	-.27	-.50	-.99		.02	.15	.24	
	7.5	-.34	-.51	-.91		.04	.16	.23	
	10.0	-.38	-.53	-.85		.06	.18	.24	
	15.0	-.48	-.59	-.68		.21	.19	.25	
	16.3	-.53	-.61	-.66		.24	.27	.24	
	20.0	-1.21	-.95	-.74		.23	.27	.30	
	25.0	-1.12	-.92	-.70		.13	.17	.20	
	30.0	-.97	-.89	-.65		.08	.12	.14	
	35.0	-.87	-.84	-.62		.04	.08	.10	
	40.0	-.78	-.78	-.59		.01	.03	.05	
	45.0	-.70	-.74	-.57		-.02	0	.01	
	55.0	-.53	-.63	-.53		-.06	-.05	-.06	
	65.0	-.36	-.51	-.50		-.06	-.07	-.09	
	75.0	-.20	-.39	-.47		-.04	-.06	-.11	
	85.0	-.08	-.30	-.43		.01	-.05	-.14	
	90.0	-.03	-.26	-.41		.03	-.06	-.17	
0.95	0	0.48	0.44	0.31		----	----	----	
	2.5	-.24	-.56	-1.13		-0.16	0.06	0.19	
	5.0	-.28	-.51	-1.06		-.09	.05	.14	
	7.5	-.33	-.52	-.99		-.07	.04	.11	
	10.0	-.38	-.55	-.86		-.05	.05	.09	
	15.0	-.46	-.57	-.76		.05	.04	.08	
	20.8	-.65	-.68	-.74		.16	.15	.10	
	23.4	----	----	----		.17	.16	.11	
	24.5	-.66	-.66	-.49		----	----	----	
	30.0	-.65	-.66	-.49		.06	.05	.02	
	35.0	-.61	-.62	-.49		0	0	-.02	
	40.0	-.56	-.57	-.48		-.05	-.05	-.05	
	45.0	-.50	-.51	-.46		-.11	-.09	-.09	
	55.0	-.38	-.40	-.42		-.11	-.13	-.13	
	65.0	-.28	-.33	-.38		-.07	-.10	-.15	
	75.0	-.23	-.28	-.34		-.03	-.08	-.14	
	85.0	-.21	-.27	-.32		-.02	-.08	-.15	
	90.0	----	----	----		-.02	-.10	-.17	

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3
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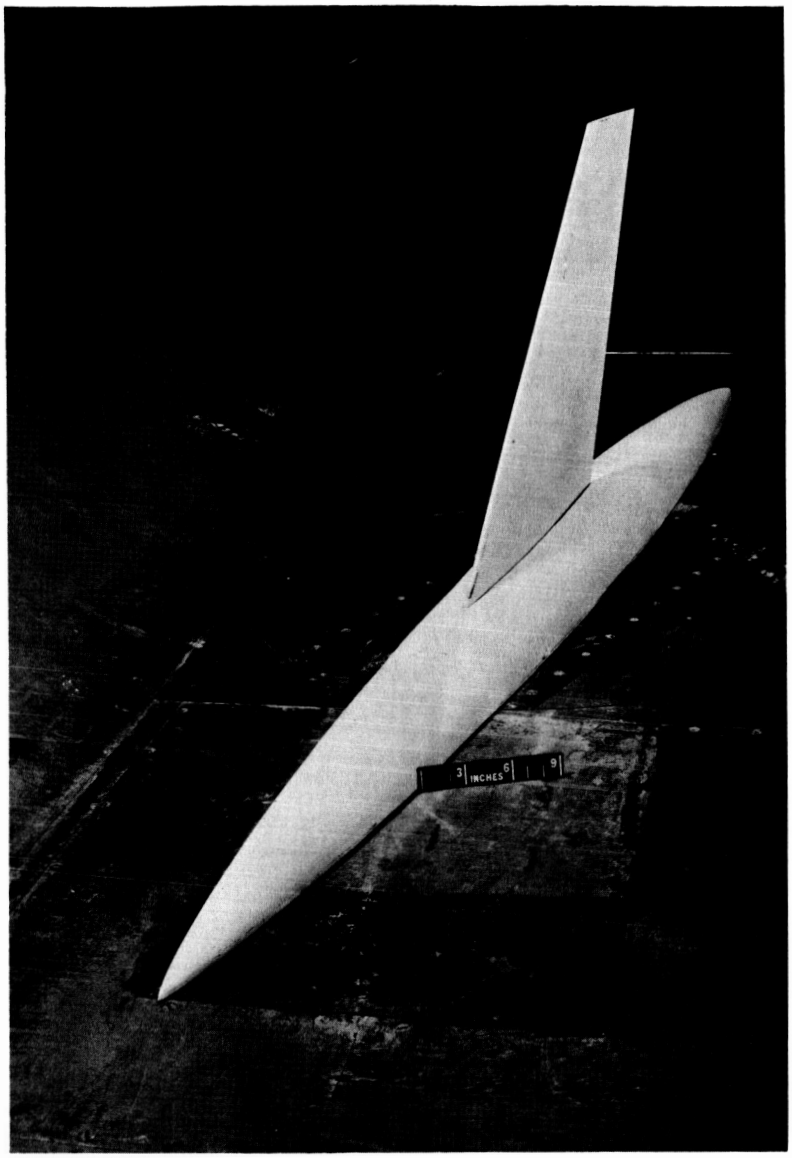


A-22618

Figure 1.- Photograph of the model mounted in the wind tunnel.

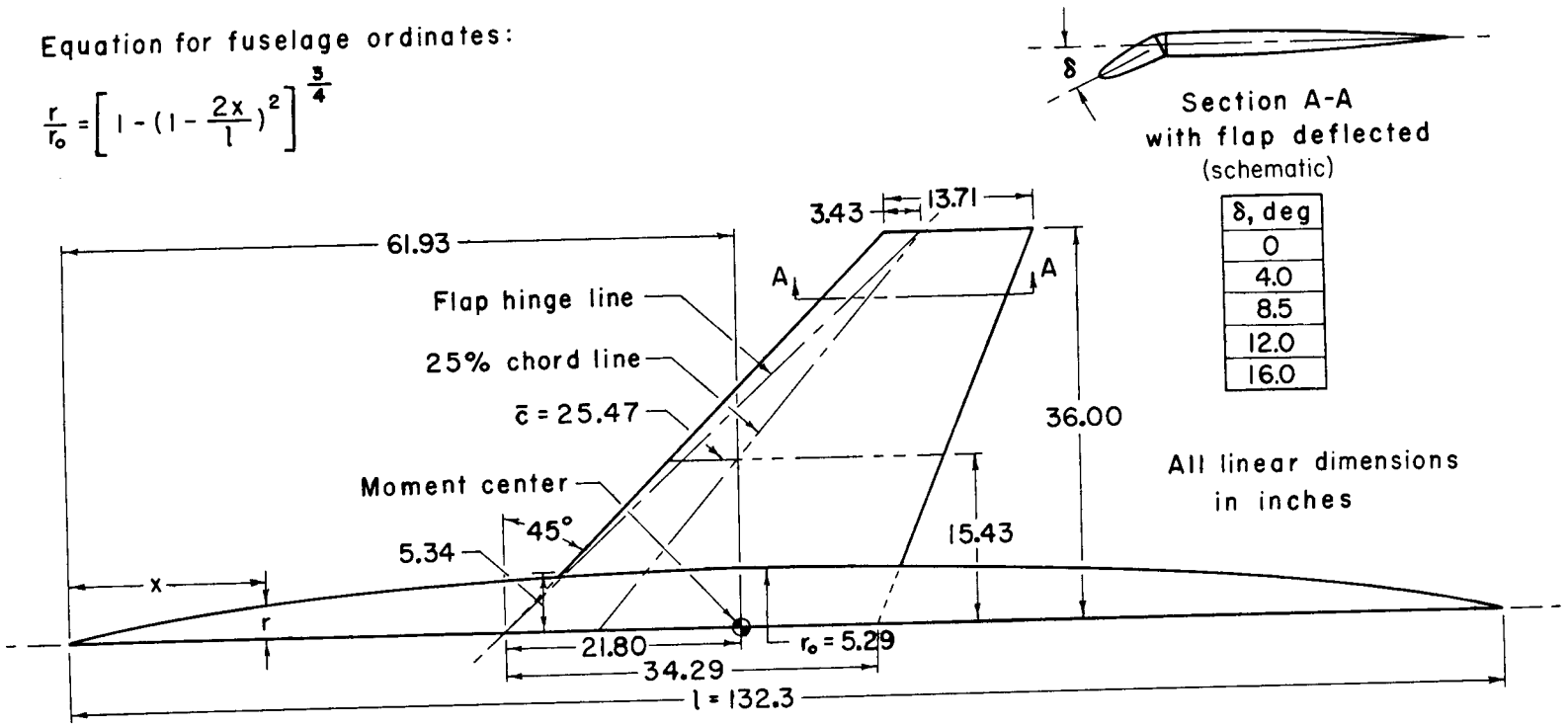
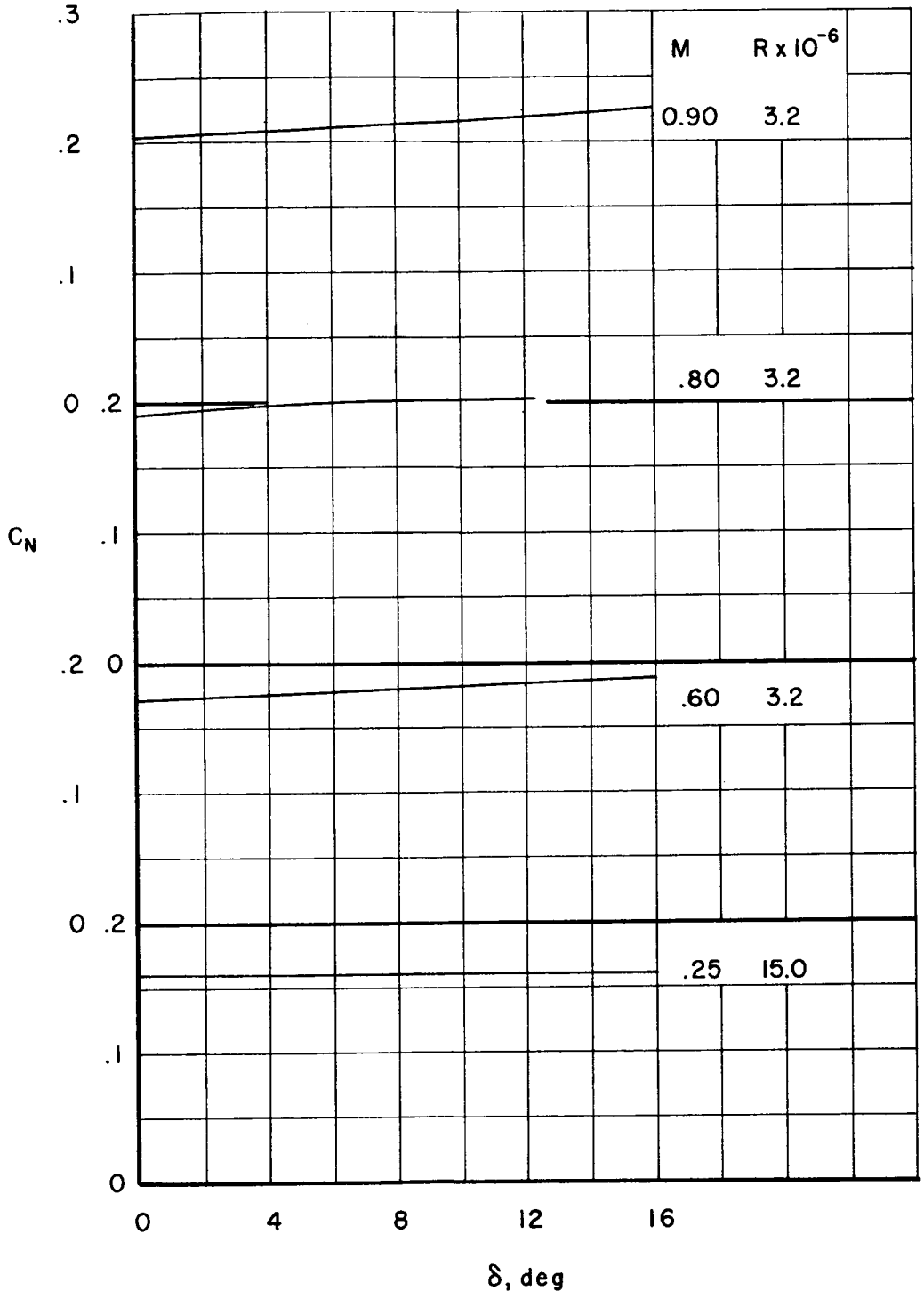


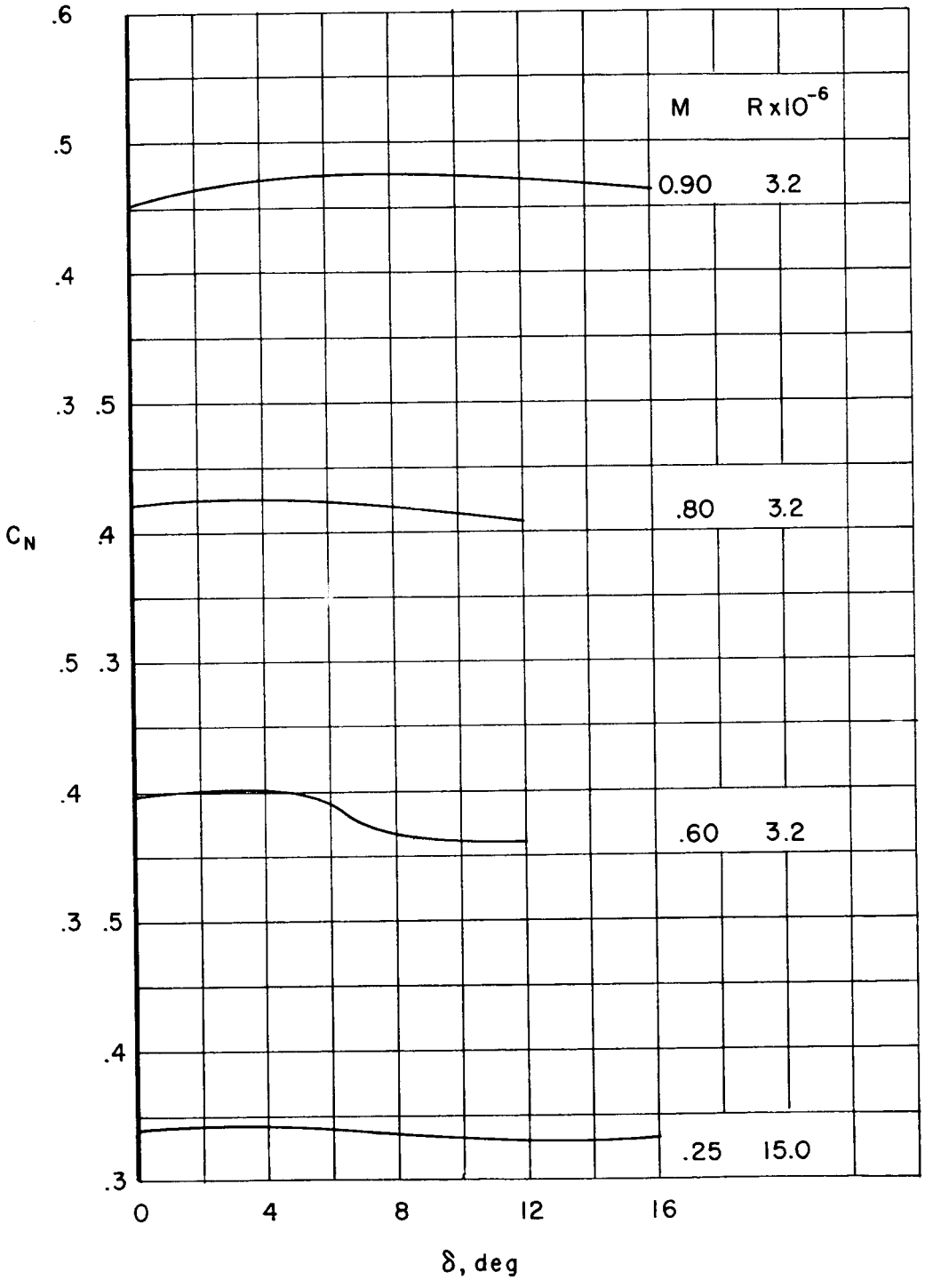
Figure 2.- Geometric characteristics of the model.

A-300



(a) $\alpha = 4.1^{\circ}$

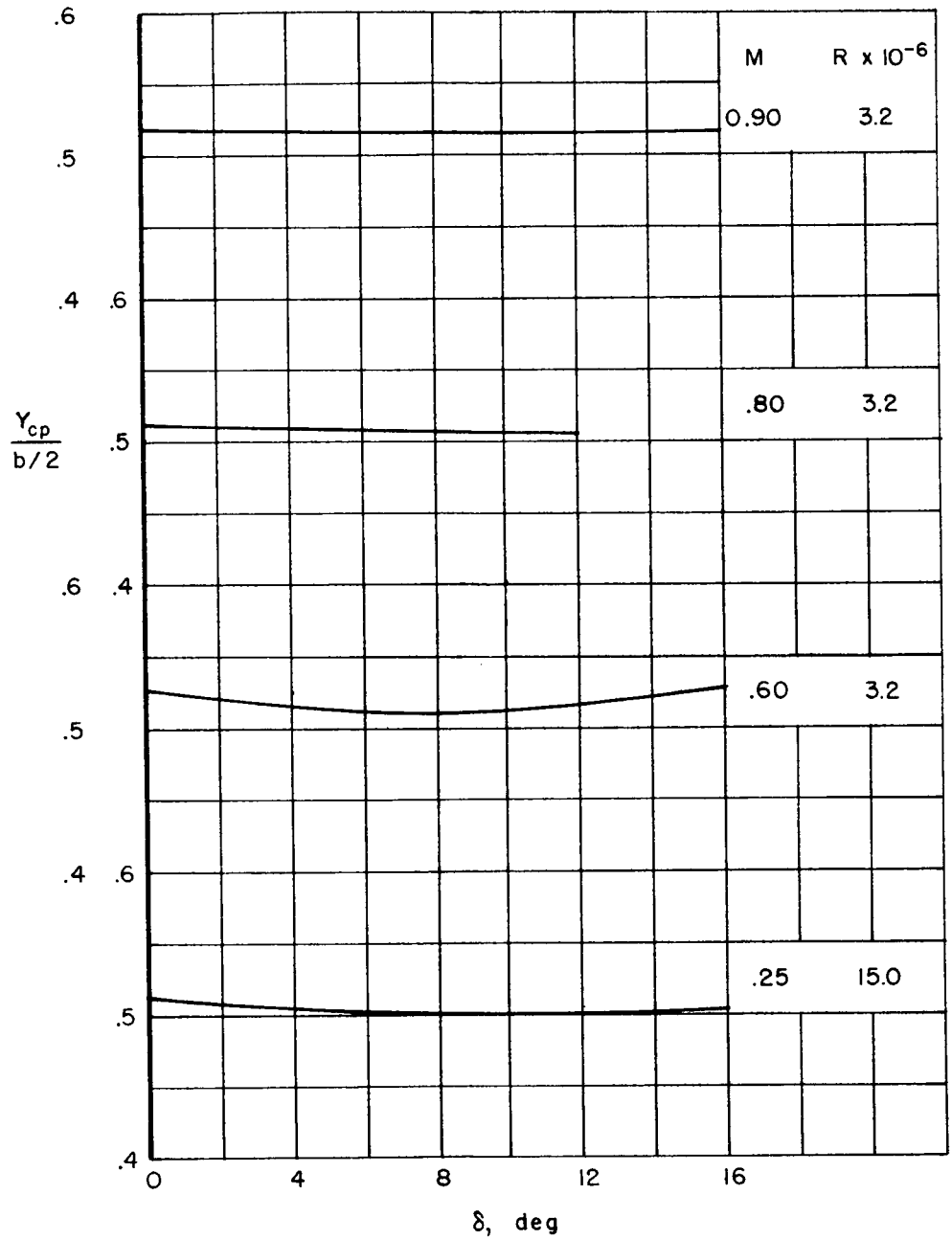
Figure 3.- The variation of wing normal-force coefficient with flap deflection.



(b) $\alpha = 8.2^{\circ}$

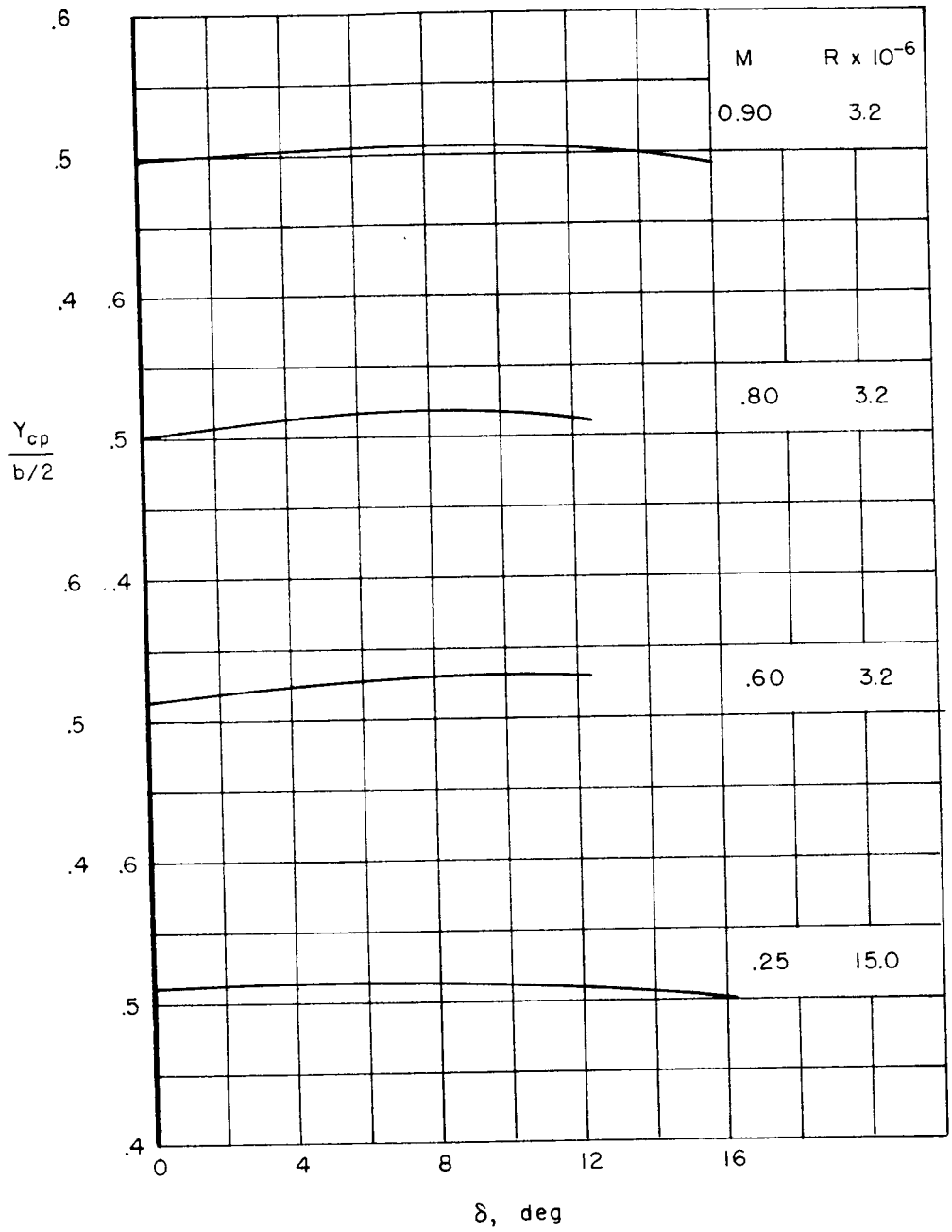
Figure 3.- Concluded.

A-300



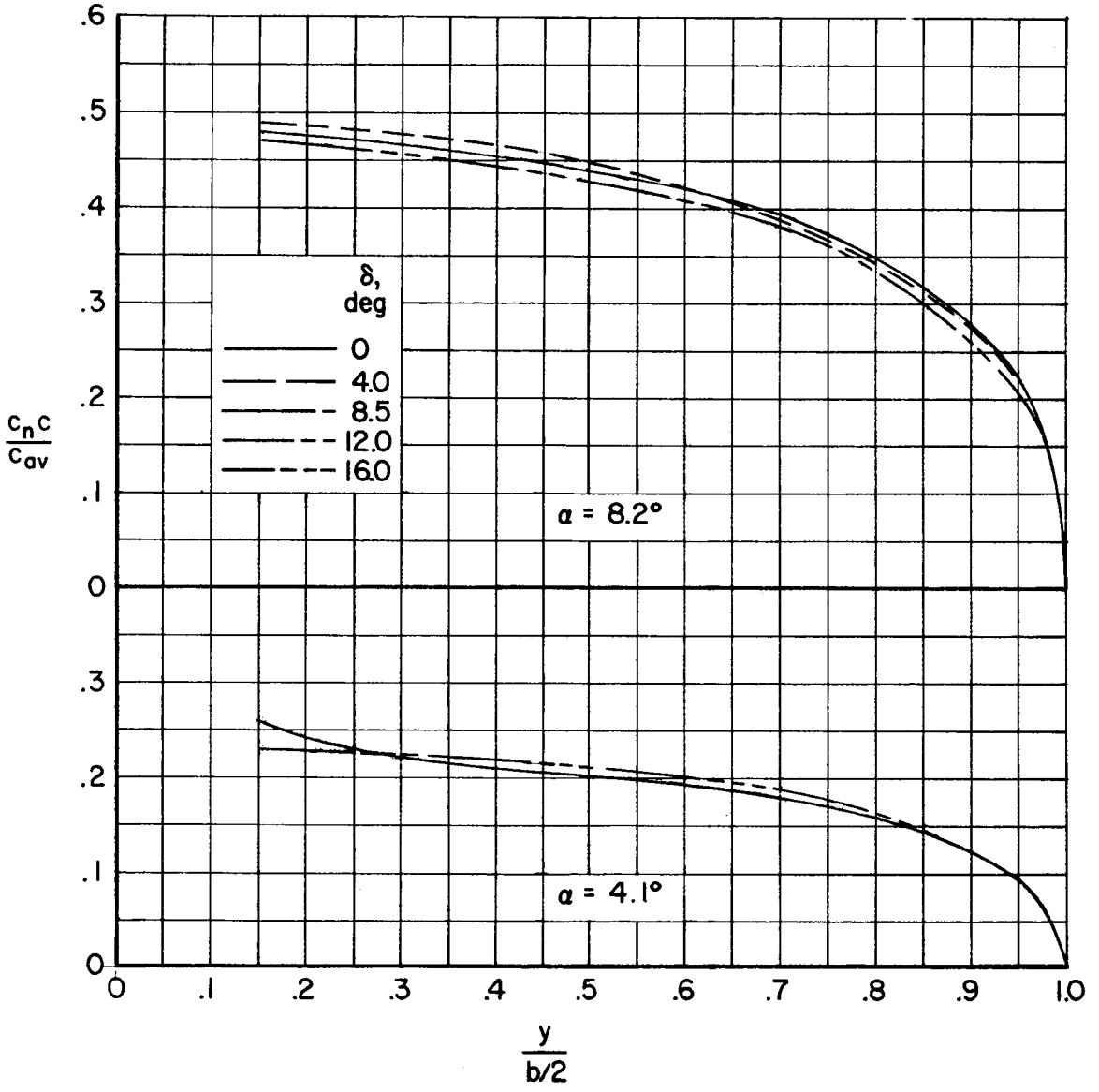
(a) $\alpha = 4.1^{\circ}$

Figure 4.- The variation of lateral center of pressure with flap deflection.



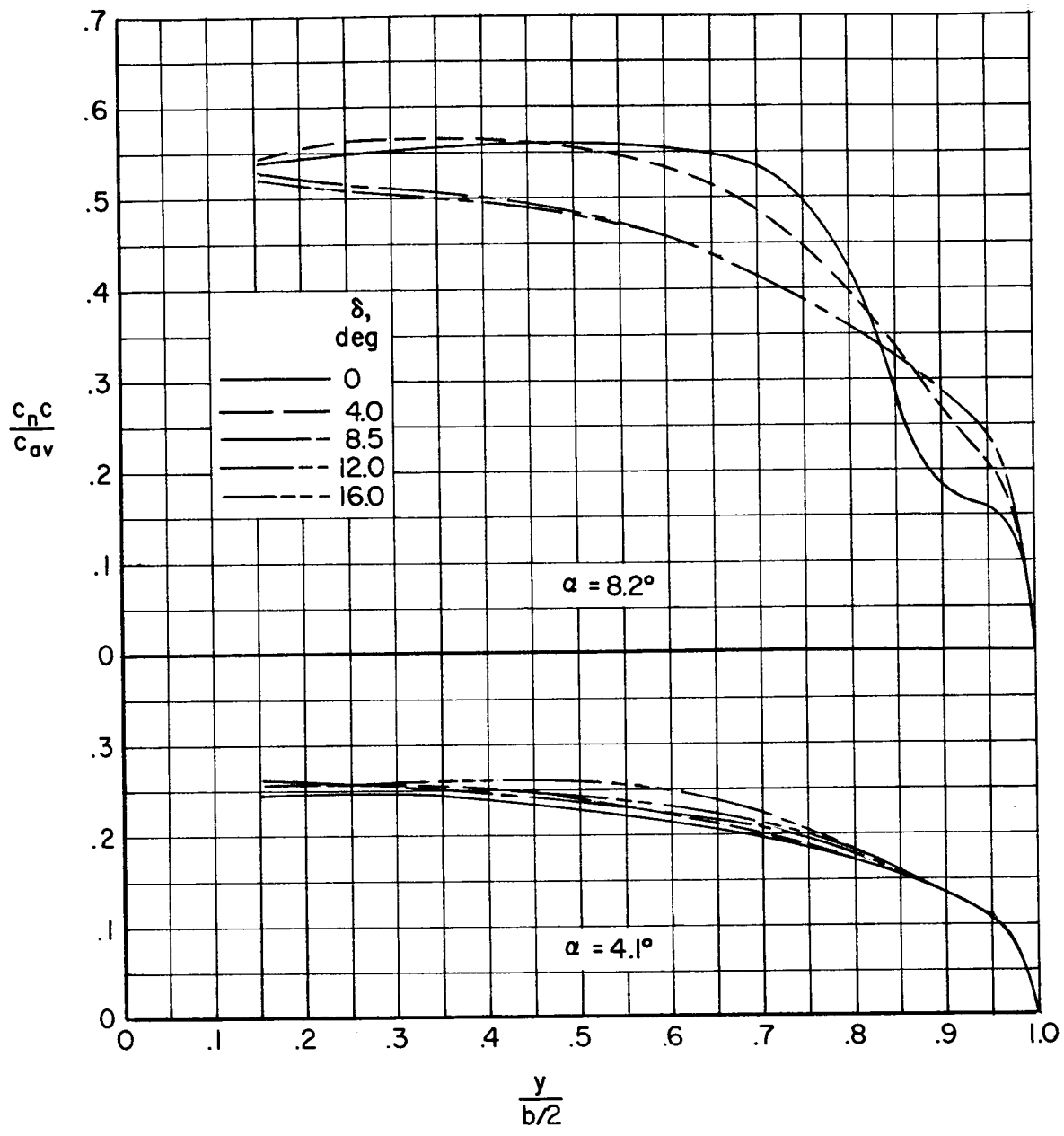
(b) $\alpha = 8.2^{\circ}$

Figure 4.- Concluded.



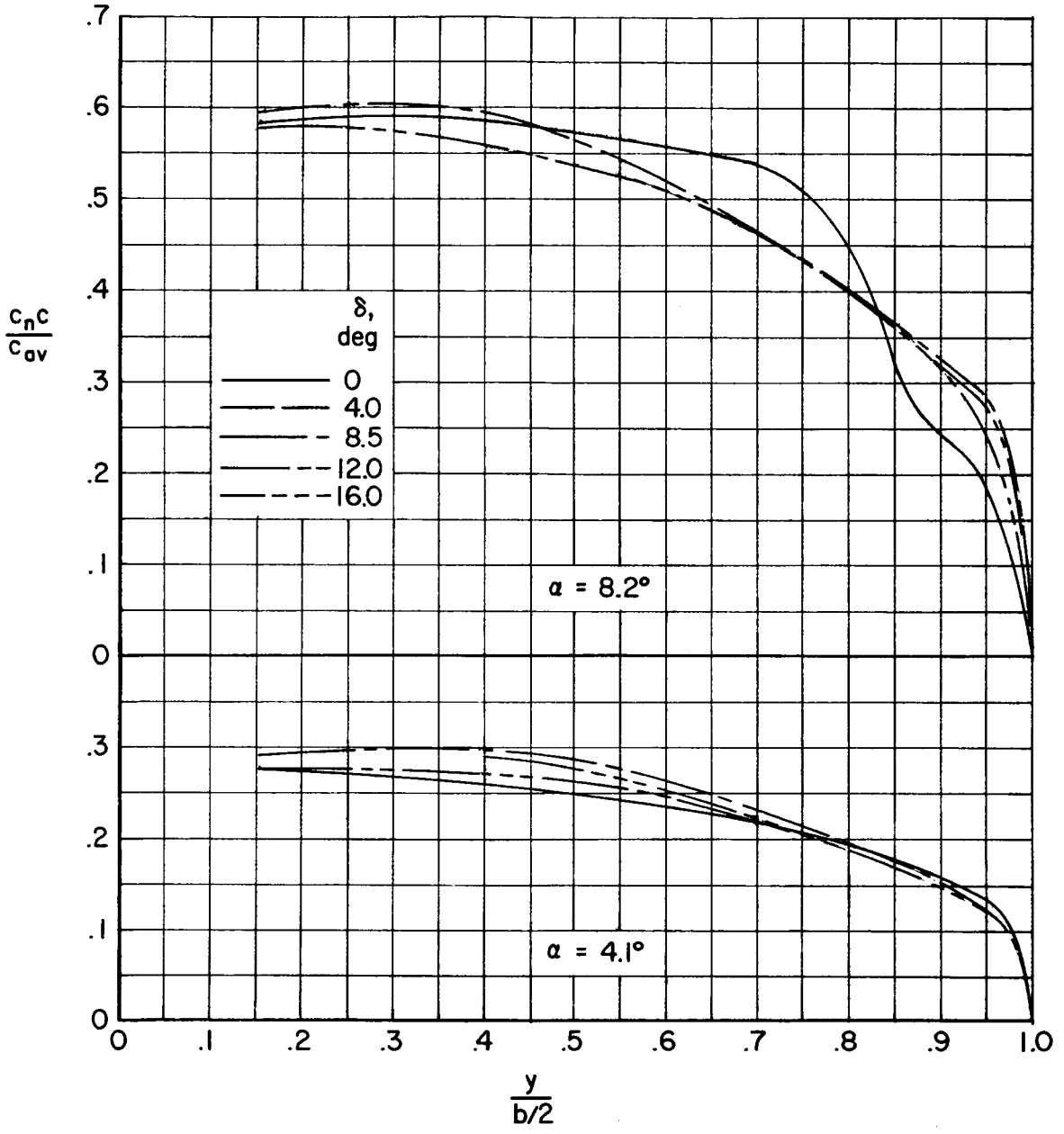
(a) M = 0.25, R = 15×10^6

Figure 5.- The effect of flap deflection on the span load distribution.



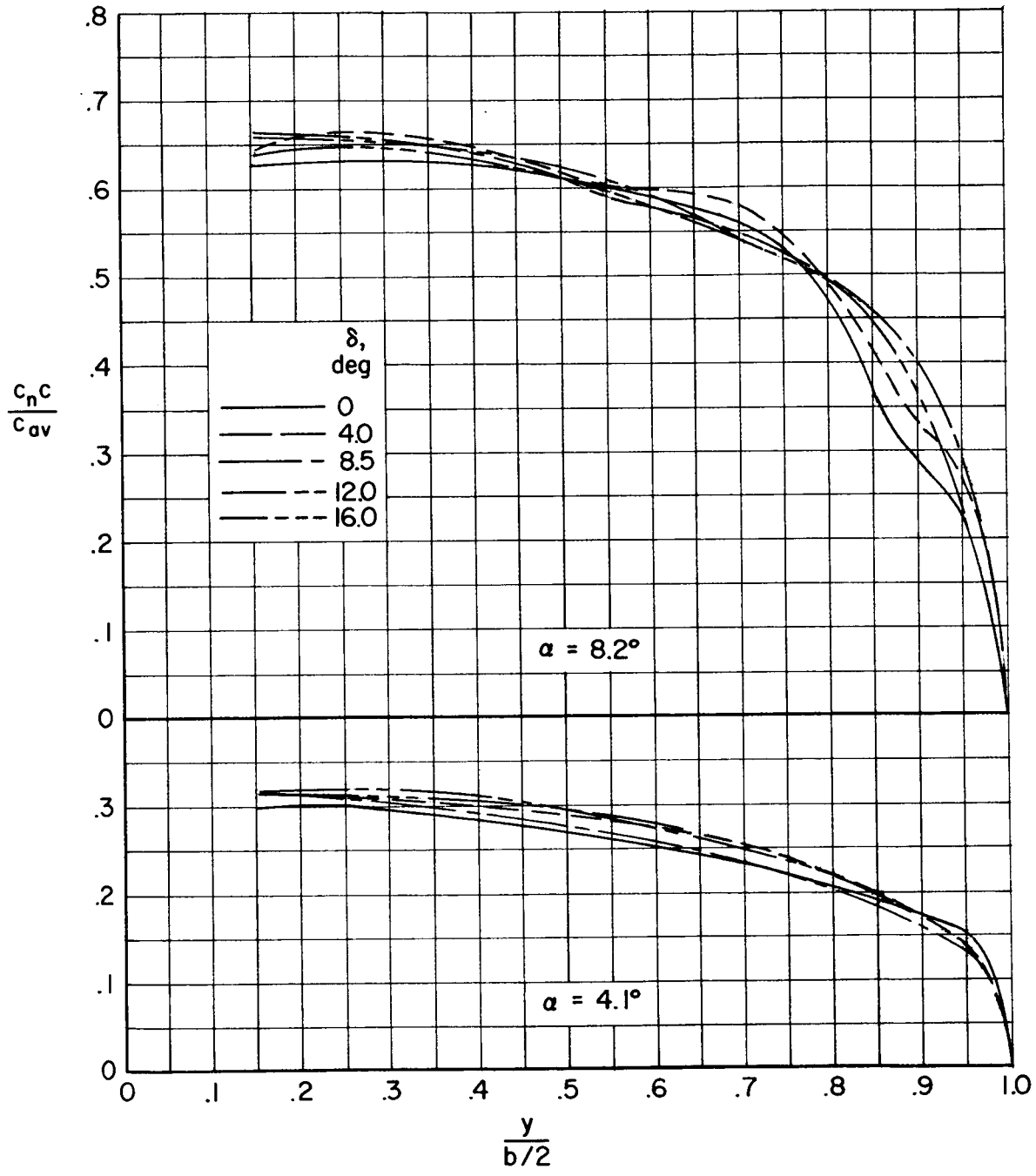
(b) M = 0.60, R = 3.2×10^6

Figure 5.- Continued.



(c) M = 0.80, R = 3.2×10^6

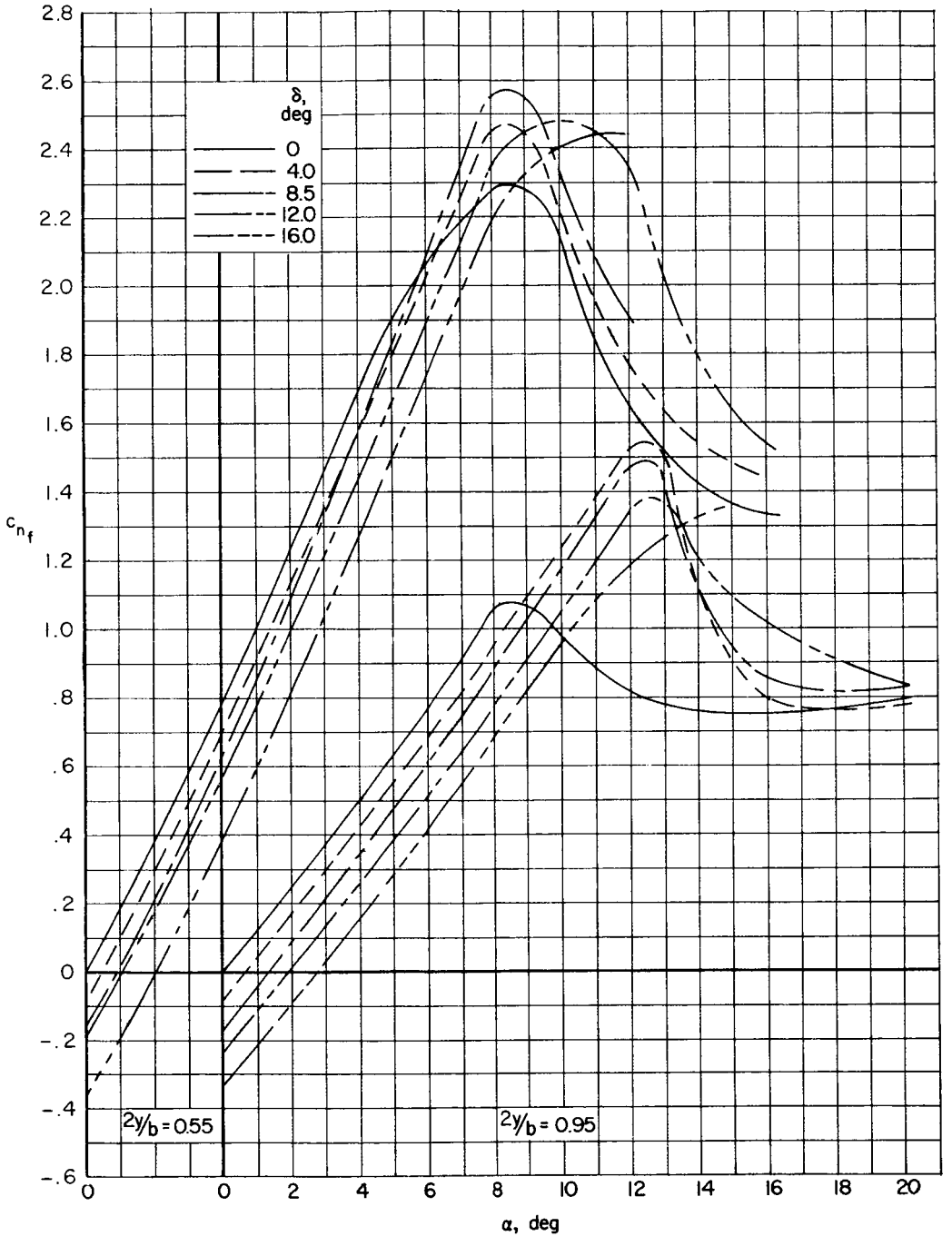
Figure 5.- Continued.



(d) M = 0.90, R = 3.2×10^6

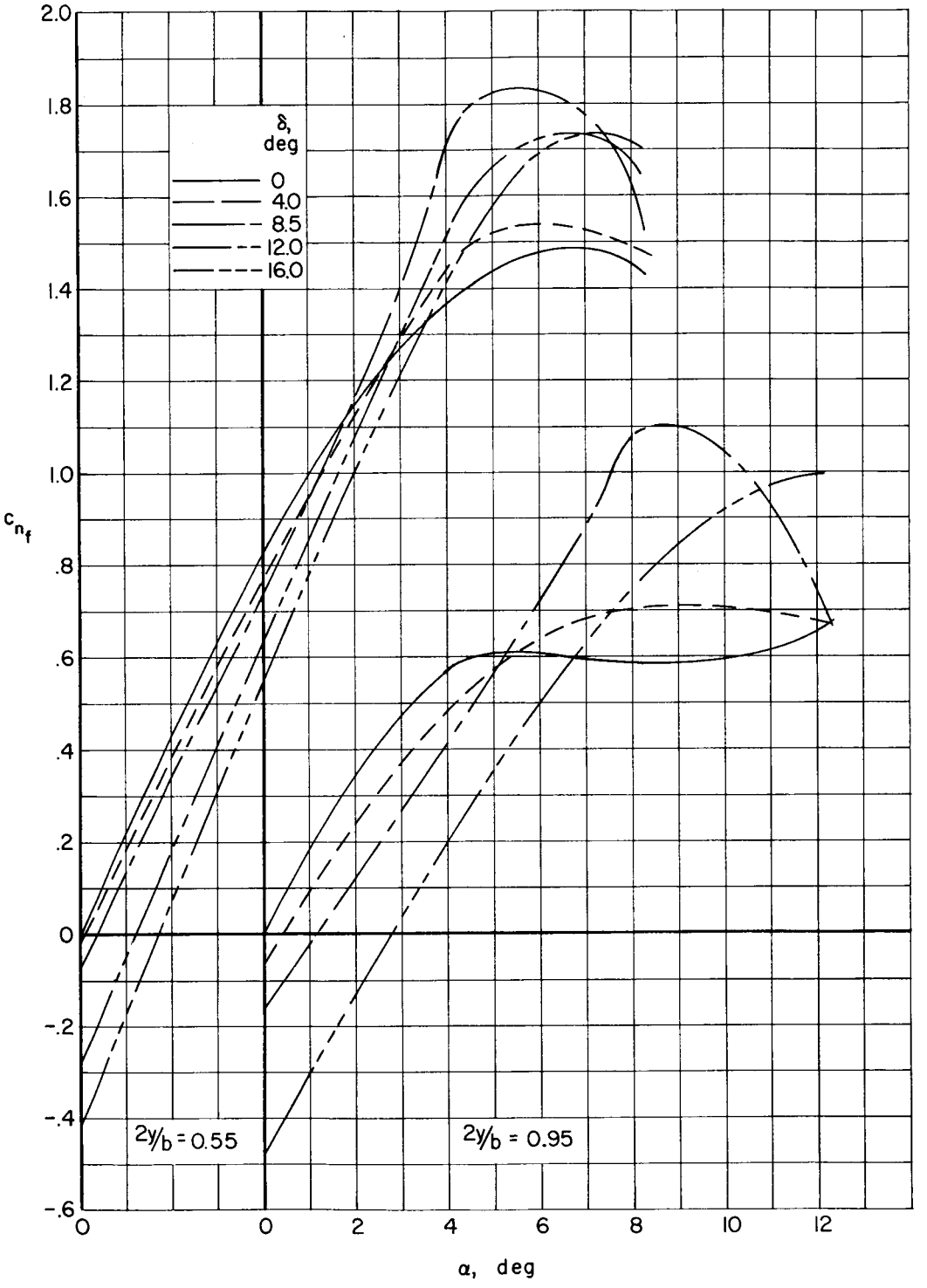
Figure 5.- Concluded.

A-300



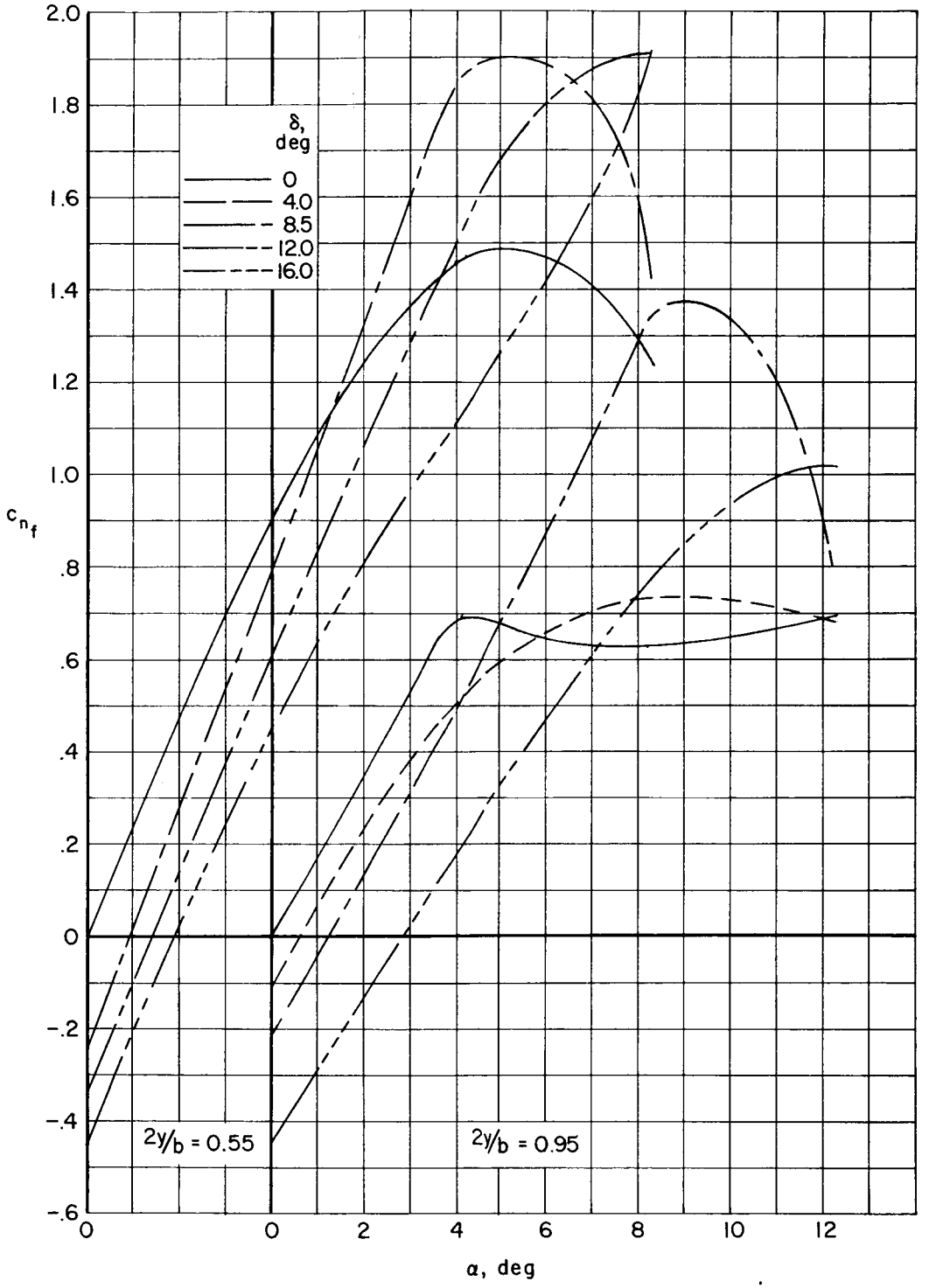
(a) M = 0.25, R = 15×10^6

Figure 6.- The effect of flap deflection on the flap section normal-force coefficient.



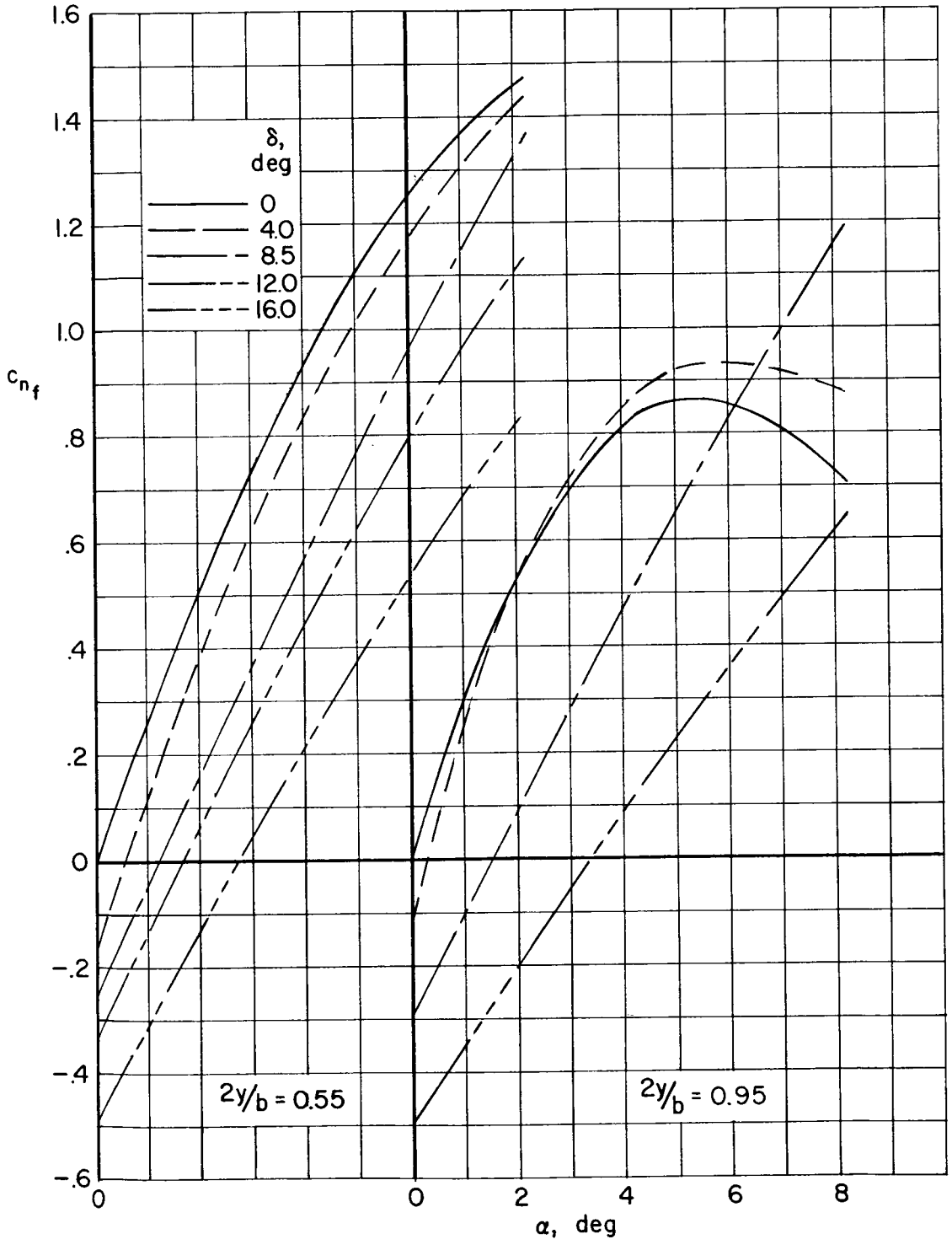
(b) M = 0.60, R = 3.2×10^6

Figure 6.- Continued.



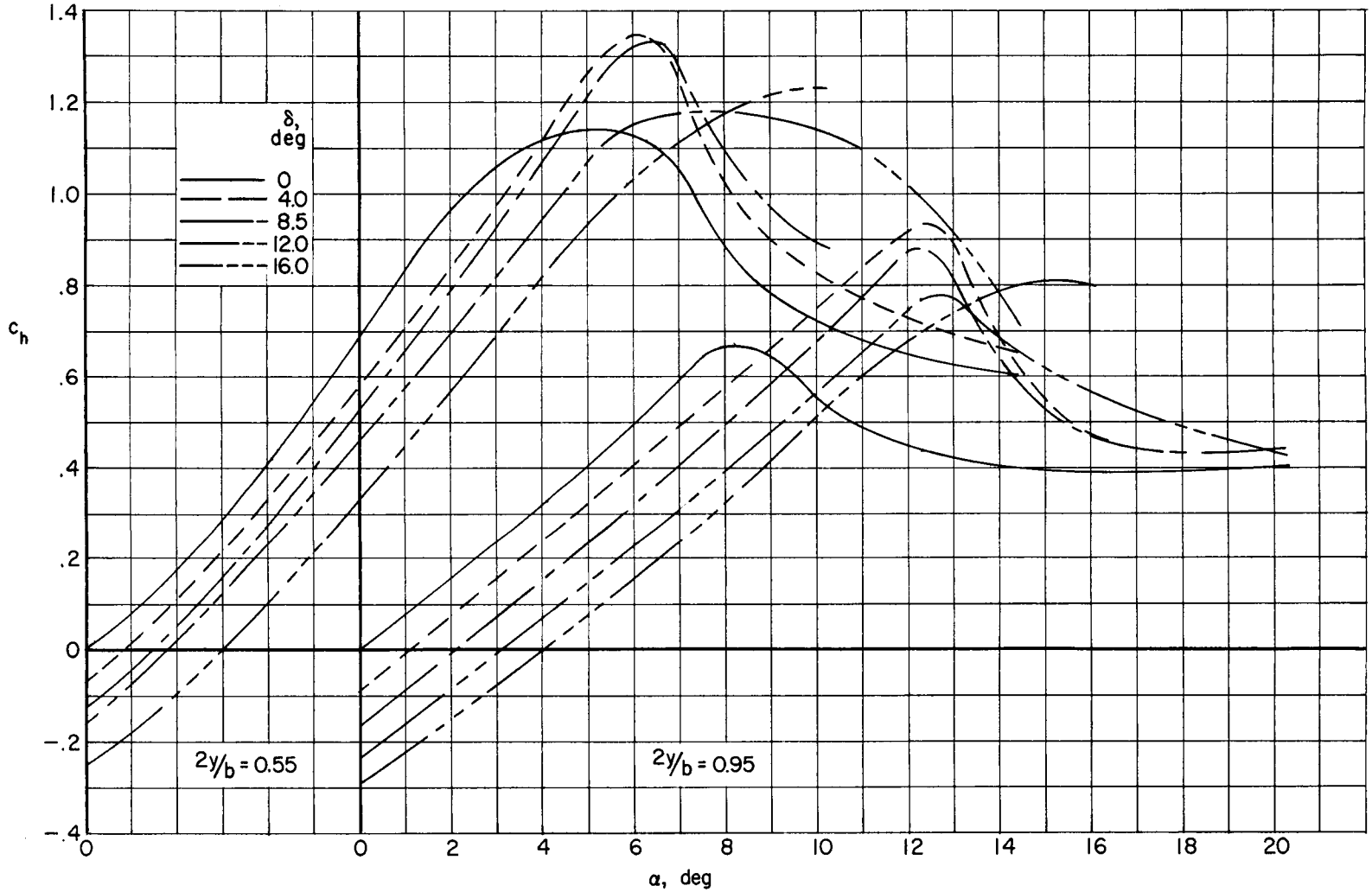
(c) M = 0.80, R = 3.2×10^6

Figure 6.- Continued.



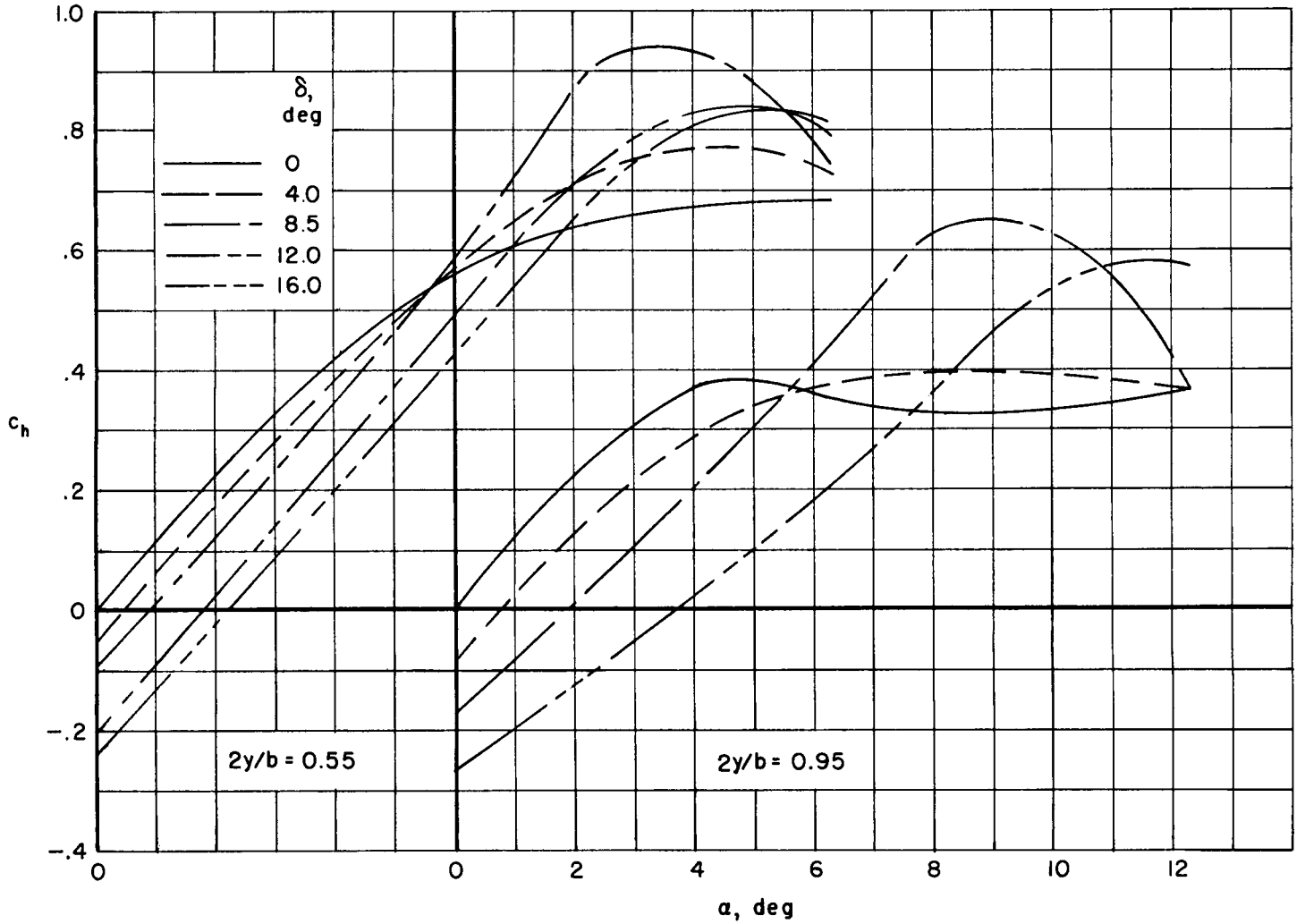
(d) M = 0.90, R = 3.2×10^6

Figure 6.- Concluded.



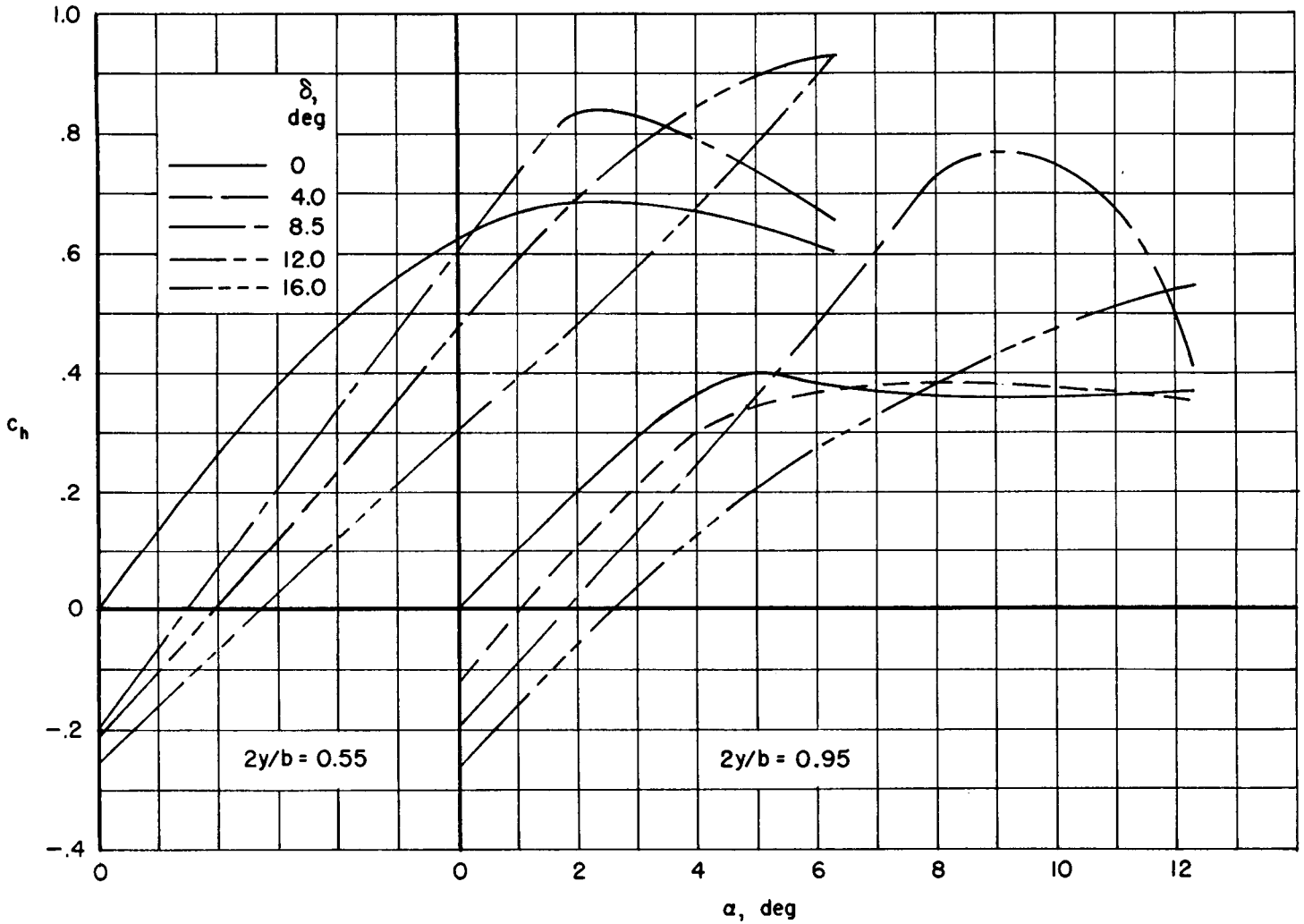
(a) M = 0.25, R = 15×10^6

Figure 7.- The effect of flap deflection on the flap section hinge-moment coefficient.



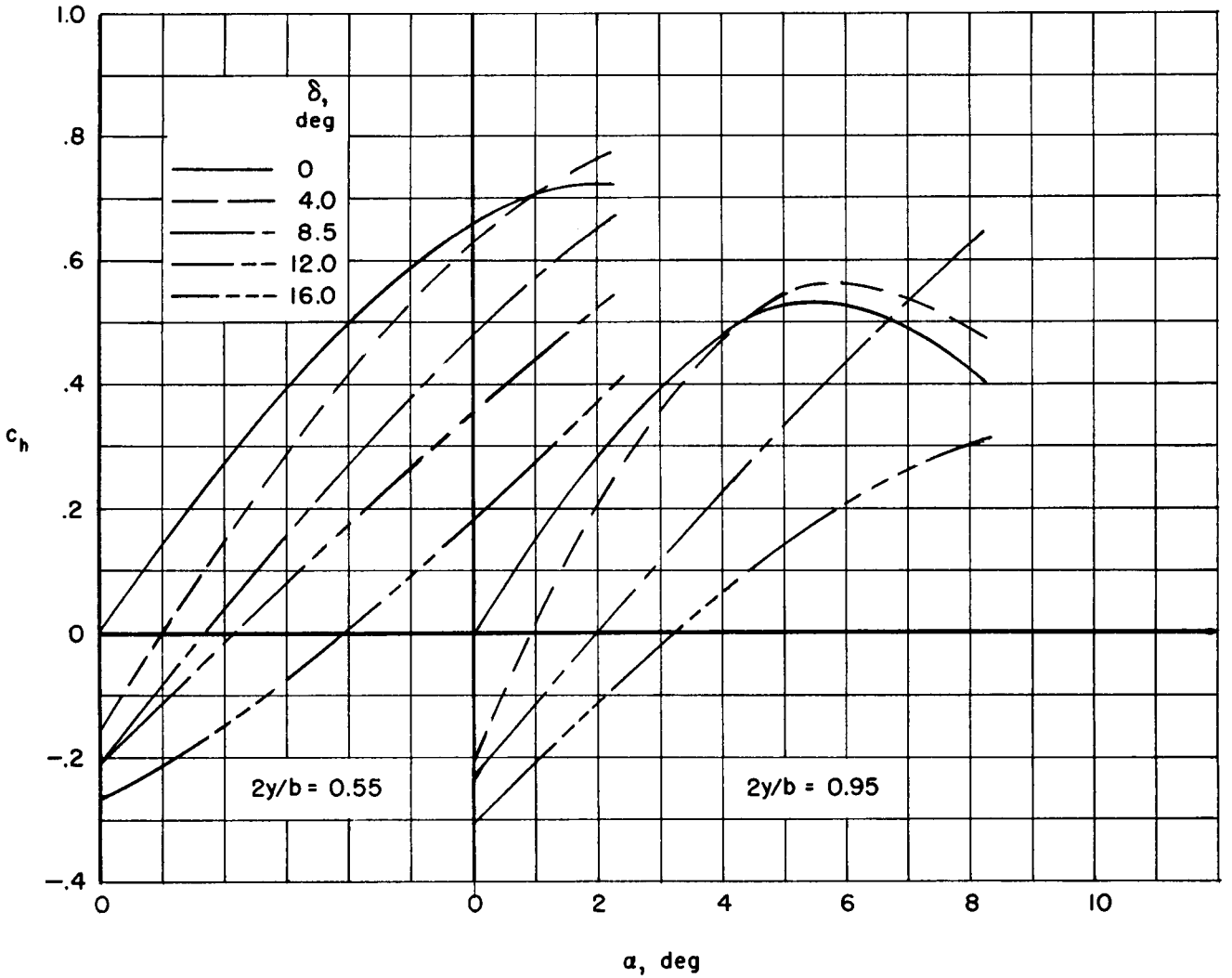
(b) M = 0.60, R = 3.2×10^6

Figure 7.- Continued.



(c) M = 0.80, R = 3.2×10^6

Figure 7.- Continued.



(d) M = 0.90, R = 3.2×10^6

Figure 7.- Concluded.