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RESEARCH MEMORANDUM

A COMPARISON OF THE CHORDWISE PRESSURE DISTRIBUTION AND SPANWISE DISTRIBUTION OF LOADING AT SUBSONIC SPEEDS ON TWO TRIANGULAR WINGS OF ASPECT RATIO 2 HAVING NACA 0005 AND 0008 SECTIONS

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RESEARCH MEMORANDUM

A COMPARISON OF THE CHORDWISE PRESSURE DISTRIBUTION AND SPANWISE DISTRIBUTION OF LOADING AT SUBSONIC SPEEDS ON TWO TRIANGULAR WINGS OF ASPECT RATIO 2 HAVING NACA 0005 AND 0008 SECTIONS

By Donald W. Smith and Verlin D. Reed

SUMMARY

An investigation has been made to determine the effects of a change in section thickness on the surface pressures, forces, and moments of two wing-body combinations having triangular wings of aspect ratio 2. The wing sections, in the streamwise direction, were the NACA 0008-63 and the NACA 0005-63. The measurements were made over a range of Mach numbers from 0.11 to 0.95 at a constant Reynolds number of 3.0 million. Data were also obtained at Reynolds numbers up to 15.0 million at the lower Mach numbers.

The effect of a reduction in wing thickness on the chordwise distribution of pressure and on the span-loading characteristics was investigated. A comparison was made between the span-loading characteristics computed by the slender-body theory of Spreiter, the Weissinger theory, and those calculated from the measured pressure distributions. A decrease in wing thickness from 8 percent to 5 percent did not appreciably change the span-loading characteristics, and at low values of lift coefficient the experimental data were in good agreement with theory. In general, for Mach numbers up to about 0.80, the reduction of thickness decreased the lift coefficient at which extensive regions of flow separation occurred.

A comparison was also made between the data obtained from force tests of each of the wings. The reduction of wing thickness had little effect on the maximum lift-drag ratio for the Mach numbers below 0.90. At a Mach number of 0.95 the maximum lift-drag ratio was about 16 percent greater for the thinner wing. The lift coefficient at which the maximum lift-drag ratio was attained was reduced by the reduction in thickness

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for all but the highest Mach numbers. For lift coefficients of 0.2 and above at Mach numbers below 0.80, the reduction of wing thickness generally increased the drag.

INTRODUCTION

Research is in progress at the Ames Aeronautical Laboratory to ascertain experimentally, at subsonic and supersonic Mach numbers, the characteristics of wings of interest in the design of high-speed fighter airplanes. The effects on the wing characteristics of variations in plan form, twist, camber, and thickness are being investigated. Two of the models being tested in this program had a plane, triangular wing of aspect ratio 2. The wing sections, parallel to the air stream, of one of the models were the NACA 0008-63, while those of the other were the NACA 0005-63. The lift, drag, and pitching moment of these two models are presented in references 1 and 2. The effect of the change in wing thickness on the chordwise and spanwise distribution of loading as well as on the forces and moments was considered to be of interest to the aircraft designer. This report presents the results of pressure-distribution measurements made at subsonic speeds on the two wing-body combinations previously mentioned. Some of the results of tests previously reported in references 1 and 2 are also included in this report.

NOTATION

b wing span, feet

$\bar{c}$ wing mean aerodynamic chord $\left(\dfrac{\int_0^{b/2} c^2 dy}{\int_0^{b/2} c\, dy}\right)$, feet

c local wing chord, feet

c_{av} average wing chord $\left(\dfrac{S}{b}\right)$, feet

l length of body including portion removed to accommodate sting, inches

$\left(\dfrac{L}{D}\right)_{max}$ maximum lift-drag ratio

M	Mach number
p_o	free-stream static pressure, pounds per square foot
p_l	local static pressure, pounds per square foot
q	free-stream dynamic pressure, pounds per square foot
R	Reynolds number based on wing mean aerodynamic chord
r	radius of body, inches
r_o	maximum body radius, inches
S	total wing area including the area formed by extending the leading and trailing edges to the plane of symmetry, square feet
x	longitudinal distance from nose of body, inches
y	distance perpendicular to plane of symmetry, feet
α	angle of attack of the body axis, degrees
α_u	uncorrected angle of attack of the body axis, degrees
η	fraction of semispan $\left(\frac{2y}{b}\right)$
C_D	drag coefficient $\left(\frac{\text{drag}}{qS}\right)$
C_L	lift coefficient $\left(\frac{\text{lift}}{qS}\right)$
C_m	pitching-moment coefficient about the 25-percent point of the wing mean aerodynamic chord $\left(\frac{\text{pitching moment}}{qS\bar{c}}\right)$
C_N	normal-force coefficient $\left(\frac{2}{S}\int_0^{b/2} c_n c\, dy\right)$
c_n	section normal-force coefficient $\left(\frac{\text{section normal force}}{qc}\right)$

P	pressure coefficient $\left(\frac{p_l-p_o}{q}\right)$
$\frac{dC_L}{d\alpha}$	slope of the lift curve at zero lift, per degree
$\frac{dC_N}{d\alpha}$	slope of the normal-force curve at zero normal force, per degree
$\frac{dC_m}{dC_L}$	slope of the pitching-moment curve at zero lift
$\frac{c_n c}{C_N c_{av}}$	loading coefficient for the linear portion of both the section normal-force curve and the total normal-force curve

APPARATUS

Wind Tunnel and Equipment

The experimental investigations were conducted in the Ames 12-foot low-turbulence pressure wind tunnel. In this wind tunnel the Mach number can be varied continuously and the stagnation pressure can be regulated to maintain a given test Reynolds number. Formation of condensation shocks is prevented by drying the air in the tunnel. More detailed information concerning the tunnel may be obtained from reference 3.

The models were sting mounted and the pressure tubes were enclosed within the sting. In this installation, the diameter of the sting was about 85 percent of the diameter of the body base. A balance mounted on the sting support and enclosed within the body of the model was used to measure the aerodynamic forces and moments on the model. The balance was the 4-inch-diameter, four-component, strain-gage balance described in reference 4.

Model

A photograph of the model mounted in the wind tunnel is shown in figure 1. A plan view and front view of the models and certain model dimensions are given in figure 2. Other important geometric characteristics of the models are as follows:

Wing	
Aspect ratio	2
Taper ratio	0
Airfoil section (streamwise) -	
Thicker model	NACA 0008-63
Thinner model	NACA 0005-63
Total area, S, square feet	4.014
Mean aerodynamic chord, $\bar{c}$, feet	1.889
Dihedral, degrees	0
Camber	None
Twist, degrees	0
Distance, wing-chord plane to body axis, feet	0
Body	
Fineness ratio (based upon length, l, fig. 2)	12.5
Cross-section shape	Circular
Maximum cross-sectional area, square feet	0.204
Ratio of maximum cross-sectional area to wing area	0.0509

An alloy of tin and bismuth was bonded to a steel spar to form the wing contours, while the contour of the fuselage was formed by use of aluminum castings over a steel spar. The surfaces of both the wings and body were polished to a smooth finish.

The pressure measurements were made on the left half of the wing. Eighty-three orifices were located in five chordwise rows along the top and bottom surfaces of the exposed portion of the wing as shown in figure 3. Fourteen additional orifices were located along the top and bottom center lines of the fuselage. The chordwise locations of the orifices for both wings are also presented in figure 3.

The ordinates for the NACA 0008-63 and the NACA 0005-63 airfoil sections are presented in table I.

TESTS AND PROCEDURE

Range of Test Variables

The chordwise pressure distribution on the models as a function of angle of attack was investigated for Mach numbers from 0.11 to 0.95 at a constant Reynolds number of 3.0 million. Data were also obtained at Reynolds numbers up to 15.0 million at the low Mach numbers.

Reduction of Data

The test data have been reduced to standard NACA coefficient form. Factors which affect the accuracy of these results and the corrections applied are discussed in the following paragraphs.

Tunnel-wall interference.- No corrections were made to the pressure data for the induced effects of the tunnel walls resulting from the lift on the models. The force data were corrected, according to the methods of reference 5, for the induced effects of the tunnel walls. No corrections were made to the pitching-moment coefficients.

The effects of constriction of the flow by the tunnel walls were taken into account by the method of reference 6. This correction was calculated for conditions at 0° angle of attack and was applied through the angle-of-attack range. At a Mach number of 0.95 this correction amounted to a 2 percent increase in the Mach number over that determined from a calibration of the tunnel without a model in place.

Stream variations.- Calibration of the 12-foot wind tunnel has shown that in the test region the stream inclination, determined from tests of a wing spanning the tunnel with the support system at 0° angle of attack, is less than 0.08°. The longitudinal variation of the static pressure in the region of the models is less than 0.2 percent of the dynamic pressure. No correction for the effect of these variations was made.

Support interference.- The effects of support interference on the pressure distributions of the models are not known. For the present models, it is believed that such effects consisted primarily of a change in the pressure at the base of the models.

RESULTS AND DISCUSSION

Effect of Wing Thickness

There are repeated in figure 4 some of the results reported in references 1 and 2. At lift coefficients less than about 0.30, reducing the wing thickness from 8 percent to 5 percent had little effect on the lift or pitching-moment characteristics of the model for subsonic Mach numbers from 0.24 to 0.95. At higher lift coefficients, the thinner wing produced greater lift at the same angle of attack, and at Mach numbers up to 0.80 the thinner wing had a more forward center of pressure. At a Mach number of 0.95, the center of pressure of the thinner wing was the more rearward at the higher lift coefficients. At Mach numbers of 0.24 and 0.40, the 5-percent-thick wing had considerably higher drag

than the 8-percent-thick wing at lift coefficients above 0.20. At a Mach number of 0.95, the thinner wing had the lower drag at all lift coefficients for which data were obtained.

There are presented in figures 5 through 8 representative data showing the effect of wing thickness on the chordwise distribution of pressure coefficient for Mach numbers from 0.24 to 0.95. The values of pressure coefficient are presented in tabular form for all test conditions. Table II is the index for the tabulations which are presented in tables III through XXXII.

An inspection of the chordwise pressure distributions (figs. 5 through 8) shows that the separation-vortex type of flow reported in reference 7 occurred on both wings. The occurrence of this type of flow was indicated by the formation of the low pressure bumps in the chordwise pressure distributions (e.g., fig. 5(c).) The separation vortex originated at a lower angle of attack for the thinner wing, as would be expected in the light of available data. Since a discussion of the separation vortex is presented in reference 7, no further discussion is deemed necessary here.

The section normal-force coefficients are presented in figure 9 as functions of uncorrected angle of attack for several Mach numbers. Section normal-force coefficients are also tabulated in tables III through XXXII for some test conditions. Due to the lack of sufficient pressure data, the section normal-force coefficient was not determined for the 0.90 semispan station of the 5-percent-thick wing.

At Mach numbers below 0.80 not all of the sections of the wings stalled; however, the sections of the 8-percent-thick wing which reached the stall did so at a higher angle of attack and a higher section normal-force coefficient than those of the thinner wing. At Mach numbers of 0.80 and above fewer sections stalled than at the lower Mach numbers due to the fact that sufficiently high angles of attack could not be attained. At these higher Mach numbers the stalled sections of the 8-percent-thick wing reached the stall at the same or a lower angle of attack than those of the 5-percent-thick wing.

At Mach numbers from 0.24 to 0.95 and at angles of attack below section stall, the thinner wing had approximately the same or higher section normal-force coefficients and consequently higher lift coefficients. This same effect of thickness can be seen from the force data of figure 4(a).

Effect of Reynolds Number

In figures 10 and 11 are shown the effects of Reynolds number on the aerodynamic characteristics of both wings at a Mach number of 0.24. These effects of Reynolds number were small but it should be noted that the effects on the 5-percent-thick wing were somewhat larger than on the 8-percent-thick wing. This was especially true of the effect on the drag coefficients. An increase in Reynolds number from 3.0 million to 15.0 million caused a slight increase in the maximum lift-drag ratio for both wings. There was also an increase, due to the increase of Reynolds number, of the lift coefficient at which the maximum lift-drag ratio was attained for both wings.

The changes in chordwise distribution of pressure due to an increase of Reynolds number from 3.0 million to 15.0 million at a Mach number of 0.24 are shown in figures 12 and 13. There was a rather large effect of Reynolds number on the pressure distributions on the wings. This was especially true of the tip sections which, with an increase of Reynolds number to 15.0 million, maintained their leading-edge low-pressure peaks to higher angles of attack.

The effect of Reynolds number, at a Mach number of 0.24, on the section normal-force coefficient throughout the range of angles of attack is presented in figure 14 for the 5-percent-thick wing and in figure 15 for the 8-percent-thick wing. Here again it is shown, as it was in the force data, that the thinner wing was more affected by a change of Reynolds number. The sections most affected on both wings were those outboard of 60-percent semispan throughout the angle-of-attack range for which tests were conducted. An increase in Reynolds number generally increased the angle at which the tip sections stalled and also increased the values of section normal-force coefficient attained by the tip sections before they stalled.

Effect of Mach Number

Before presenting the spanwise distribution of loading coefficient, it was deemed advisable to compare the total normal force calculated from integration of the measured surface pressures with that from force tests. The limited amount of pressure data obtained on the fuselage made it difficult to determine the amount of lift carry-over on the after part of the fuselage. However, for low values of lift on the linear portion of the lift curve, the agreement between the integrated pressure data and the force data was good, as shown in figure 16.

The variation of the slopes of the theoretical section normal-force curves with Mach number are also presented in figure 16. Before discussing the results of the calculations obtained by the application of both the slender-body theory of Spreiter and the Weissinger theory to the present wings, certain limitations to the theories should be considered. The assumptions upon which the slender-body theory of reference 8 is based make it unreliable in accurately predicting, in the low and middle subsonic Mach number range, the characteristics of wings having aspect ratios as high as those of the present wings. However, as the Mach number approaches a value of 1.0 the accuracy of the theory is greatly increased for all wings of moderate aspect ratio. The accuracy of the Weissinger theory of reference 9 is seriously impaired when it is applied to wings the aspect ratios of which are as low as the apparent aspect ratio (obtained by use of the Prandtl-Glauert rule) of the present wings at the high subsonic Mach numbers. As would be expected from consideration of these limitations of the theories, the slopes of the section normal-force curves computed by the slender-body theory of Spreiter (reference 8) closely approximated the experimental data only at a Mach number of 0.95 and the slopes computed by the Weissinger method (reference 9) were in good agreement only at Mach numbers from 0.24 to approximately 0.70.

In figure 17, a comparison has been made between the spanwise distributions of loading coefficient computed by the slender-body theory, by the Weissinger theory, and that measured for the two wings. The Weissinger method is not directly applicable to the calculation of the spanwise distribution of loading on a wing-body combination as it does not account for the effect of the body. Although this is true the accuracy with which the theory could predict the loading was investigated. If the accuracy was sufficiently good then this method could be used, in preference to the more time-consuming slender-body theory, for predicting the spanwise distribution of loading. It was not unexpected that the Weissinger theory did not predict the loading over the fuselage (see fig. 17) although it predicted with reasonable accuracy the spanwise distribution of loading on the wing. In applying the slender-body theory to computing the theoretical loading coefficients, the fuselage was replaced by a semi-infinite cylinder the radius of which was equal to the maximum radius of the actual fuselage. In this manner the effect of the fuselage was taken into account approximately in the computations. The curves for the experimental data were faired, over the inboard 25 percent of the semispan, so as to be similar in shape to those computed by means of the slender-body theory which does consider the presence of the body. This method of fairing the test data in the vicinity of the fuselage was used in order to get a more accurate estimate of the wing normal force and the spanwise location of the center of pressure. There was little effect of the difference in wing thickness on the spanwise distribution of loading coefficient, and the agreement with the slender-body theory was reasonably good.

There is presented in figure 18 the variation of the experimental and theoretical spanwise location of the center of pressure with Mach number. Both theoretical computations predicted a spanwise location of the center of pressure which was unaffected by Mach number in the range in which the tests were conducted. This prediction was in fairly good agreement with the spanwise locations calculated from the measured pressure distribution; however, the theoretically calculated spanwise locations of center of pressure were inboard of those obtained from test data.

In order to make possible a more complete assessment of the effect of a reduction in thickness on the aerodynamic characteristics of the wings, a summary of aerodynamic characteristics from subsonic force tests previously published in separate reports (references 1 and 2) is presented in figure 19.

The effect of Mach number on the lift-curve slopes of both wings is shown in figure 19(a). There was little change in lift-curve slope with the reduction in wing thickness from 8 to 5 percent.

Figure 19 (b) presents the slopes of the pitching-moment curves for the range of Mach numbers from 0.24 to 0.95. The 8-percent-thick wing had a less rapid rearward movement of the aerodynamic center than the 5-percent-thick wing up to a Mach number of approximately 0.88 above which it moved aft at a faster rate. Both wings had a pitching-moment-curve slope of approximately -0.125 at a Mach number of 0.24, while at a Mach number of 0.95 the value for the thinner wing was -0.180 and that for the 8-percent-thick wing was -0.200.

The variation of maximum lift-drag ratio as a function of Mach number is shown in figure 19(c), and figure 19(d) shows the variation of lift coefficient for maximum lift-drag ratio as a function of Mach number. Both wings had a maximum lift-drag ratio of approximately 12.0 up to a Mach number of about 0.88. Above a Mach number of 0.88 the maximum lift-drag ratio decreased. At a Mach number of 0.95 the maximum lift-drag ratio for the 8-percent-thick wing was about 9.5, while the value for the thinner wing was 16 percent greater, approximately 11.0. The decrease of wing thickness resulted in a reduction of the lift coefficient at which the maximum lift-drag ratio was attained for all Mach numbers at which tests were conducted.

There is presented in figure 19(e) the variation with Mach number of the drag coefficient for several values of lift coefficient. These curves indicate that for lift coefficients of 0.40 and 0.60 the 8-percent-thick wing had less drag than the thinner wing for all Mach numbers below approximately 0.80, while at a lift coefficient of 0.20 there was little difference in the drag. The minimum drag coefficient for the thinner

wing was lower than for the thicker wing at all the Mach numbers at which tests were conducted.

CONCLUSIONS

From the results of wind-tunnel measurements of surface pressures on two triangular wings of aspect ratio 2 the following conclusions may be drawn:

1. The decrease in wing thickness from 8 percent to 5 percent had little effect on the spanwise distribution of loading throughout the test range of Mach numbers.

2. The decrease in wing thickness decreased the angle of attack at which the outer sections of the wing stalled for Mach numbers below 0.80, while at Mach numbers above 0.80 it is indicated that the outboard sections of the thinner wing would have a tendency to stall at the same or slightly higher angles of attack.

3. The theoretical spanwise distribution of loading coefficient, computed by the slender-body theory of Spreiter, was in good agreement with the experimental data. Despite the fact that the Weissinger theory did not account for the fuselage, it predicted reasonably well the spanwise distribution of loading over the exposed portions of the wing.

The results of wind-tunnel tests previously reported in references 1 and 2 and summarized in the present report indicate that the most significant differences in the lift, drag, and pitching-moment characteristics of the two wings are as follows:

1. The decrease in wing thickness from 8 percent to 5 percent had little effect on the maximum lift-drag ratio for the range of Mach numbers below 0.90, while at a Mach number of 0.95 an increase of approximately 16 percent was evident.

2. The decrease of wing thickness resulted in a reduction of the lift coefficient at which the maximum lift-drag ratio was attained for all Mach numbers at which tests were conducted.

3. For lift coefficients over 0.20 and for Mach numbers under 0.80, the decrease in wing thickness from 8 percent to 5 percent resulted in an increase of drag coefficient.

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TABLE I. - NACA 0008-63 AND NACA 0005-63
AIRFOIL SECTION ORDINATES

[Stations and ordinates are in percent of wing chord]

Station	Ordinates NACA 0008-63	Ordinates NACA 0005-63
0	0	0
1.25	±1.266	±.792
2.50	±1.747	±1.092
5.00	±2.373	±1.483
7.50	±2.800	±1.750
10.00	±3.120	±1.950
15.00	±3.560	±2.225
20.00	±3.827	±2.392
25.00	±3.960	±2.475
30.00	±4.000	±2.500
40.00	±3.867	±2.417
50.00	±3.533	±2.208
60.00	±3.040	±1.900
70.00	±2.440	±1.525
80.00	±1.747	±1.092
90.00	±.960	±.600
95.00	±.533	±.333
100.00	0	0
L.E. radius	±0.711	±0.278

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TABLE II.- INDEX OF TABULATED PRESSURE COEFFICIENTS

Table No. (0005-63)	Table No. (0008-63)	$R \times 10^{-6}$	M	α_u Range
III	XVIII	3.0	0.11	-3° to 24°
IV	XIX	↓	.24	-3° to 24°
V	XX	↓	.40	-3° to 24°
VI	XXI	↓	.60	-3° to 24°
VII	XXII	↓	.80	-3° to 20°
VIII	XXIII	↓	.85	-3° to 18°
IX	XXIV	↓	.90	-3° to 18°
X	XXV	↓	.95	-3° to 12°
XI	XXVI	5.0	.11	-3° to 24°
XII	XXVII	↓	.24	-3° to 24°
XIII	XXVIII	↓	.40	-3° to 24°
XIV	XXIX	8.0	.11	-3° to 24°
XV	XXX	↓	.24	-3° to 24°
XVI	XXXI	↓	.40	-3° to 16°
XVII	XXXII	15.0	.24	-3° to 16°

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TABLE III.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0005-63 SECTION. M, 0.11; R, 3.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
-3	Upper	0	----	0.06	-0.03	-0.19	----	0	-0.53
		1.5	----	.13	.13	.11	0.11	2.4	-.10
		5.2	-0.03	.01	.03	.08	.07	6.2	.13
		10.3	-.02	-.01	-.01	.01	.03	10.9	.09
		15.2	-.01	-.04	-.03	-.02	.01	16.7	.06
		30.3	-.03	-.05	-.06	-.05	-.02	21.2	.03
		45.3	-.05	-.07	-.06	-.05	-.03	46.5	.01
		60.3	-.06	-.06	-.05	-.03	-.03	----	----
		80.3	-.03	-.02	-.03	-.01	0	----	----
		90.3	-.03	-.01	0	.01	.01	----	----
	Lower	2.6	----	-.27	-.42	-.50	-.66	3.7	-.95
		7.7	-.05	-.21	-.29	----	-.56	----	----
		20.2	-.06	-.18	-.21	-.24	-.28	21.3	-.37
		35.2	-.10	-.16	-.18	-.18	-.21	----	----
		50.2	-.10	-.14	-.14	-.13	-.16	----	----
		65.2	-.09	-.12	-.10	-.11	-.10	----	----
		85.2	-.05	-.06	-.07	----	----	----	----
-2	Upper	0	----	.12	.08	.01	----	0	-.21
		1.5	----	.10	.11	.09	.12	2.4	-.03
		5.2	-.03	0	0	.01	.04	6.2	.08
		10.3	-.03	-.03	-.04	-.02	0	10.9	.04
		15.2	-.02	-.06	-.06	-.04	-.02	16.7	.01
		30.3	-.03	-.07	-.07	-.06	-.03	21.2	0
		45.3	-.05	-.08	-.07	-.06	-.05	46.5	-.01
		60.3	-.06	-.07	-.06	-.04	-.03	----	----
		80.3	-.02	-.02	-.02	-.02	.01	----	----
		90.3	-.02	0	.01	.01	.02	----	----
	Lower	2.6	----	-.18	-.30	-.35	-.48	3.7	-.71
		7.7	-.03	-.16	-.23	----	-.35	----	----
		20.2	-.04	-.15	-.18	-.20	-.21	21.3	-.26
		35.2	-.07	-.14	-.14	-.14	-.18	----	----
		50.2	-.09	-.12	-.12	-.10	-.13	----	----
		65.2	-.07	-.10	-.09	-.08	-.07	----	----
		85.2	-.04	-.05	-.06	----	----	----	----
-1	Upper	0	----	.15	.15	.14	----	0	.08
		1.5	----	.06	.06	.01	.05	2.4	-.02
		5.2	-.04	-.06	-.06	-.06	-.04	6.2	-.02
		10.3	-.04	-.07	-.08	-.07	-.07	10.9	-.03
		15.2	-.04	-.09	-.10	-.09	-.07	16.7	-.06
		30.3	-.04	-.09	-.10	-.14	-.07	21.2	-.05
		45.3	-.07	-.09	-.10	-.12	-.07	46.5	-.03
		60.3	-.08	-.08	-.07	-.06	-.06	----	----
		80.3	-.03	-.03	-.03	-.03	-.02	----	----
		90.3	-.03	0	.01	.01	.01	----	----
	Lower	2.6	----	-.11	-.18	-.21	-.29	3.7	-.41
		7.7	-.03	-.14	-.17	----	-.23	----	----
		20.2	-.03	-.13	-.14	-.16	-.18	21.3	-.18
		35.2	-.07	-.12	-.13	-.13	-.14	----	----
		50.2	-.08	-.11	-.11	-.10	-.11	----	----
		65.2	-.07	-.10	-.08	-.08	-.04	----	----
		85.2	-.04	-.04	-.06	----	----	----	----

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
0	Upper	0	----	0.17	0.16	0.17	----	0	0.16
		1.5	----	-.01	-.03	-.08	-0.07	2.4	-.13
		5.2	-.05	-.09	-.12	-.13	-.13	6.2	-.15
		10.3	-.04	-.10	-.12	-.13	-.13	10.9	-.13
		15.2	-.04	-.11	-.13	-.13	-.13	16.7	-.13
		30.3	-.06	-.11	-.13	-.11	-.11	21.2	-.10
		45.3	-.08	-.10	-.11	-.11	-.10	46.5	-.07
		60.3	-.08	-.09	-.09	-.07	-.08	----	----
		80.3	-.04	-.04	-.04	-.03	-.02	----	----
		90.3	-.04	-.01	0	.01	.01	----	----
	Lower	2.6	----	-.05	-.09	-.09	-.12	3.7	-.14
		7.7	-.02	-.10	-.12	----	-.14	----	----
		20.2	-.02	-.11	-.12	-.12	-.12	21.3	-.11
		35.2	-.06	-.11	-.12	-.10	-.11	----	----
		50.2	-.07	-.10	-.10	-.07	-.09	----	----
		65.2	-.06	-.08	-.07	-.07	-.06	----	----
		85.2	-.03	-.04	-.05	----	----	----	----
1	Upper	0	----	.14	.12	.13	----	0	.12
		1.5	----	-.07	-.13	-.21	-.26	2.4	-.14
		5.2	-.05	-.14	-.18	-.21	-.25	6.2	-.32
		10.3	-.05	-.13	-.17	-.19	-.21	10.9	-.25
		15.2	-.05	-.14	-.16	-.18	-.18	16.7	-.23
		30.3	-.07	-.13	-.15	-.15	-.14	21.2	-.16
		45.3	-.09	-.12	-.13	-.13	-.13	46.5	-.11
		60.3	-.09	-.10	-.10	-.09	-.09	----	----
		80.3	-.05	-.04	-.05	-.03	-.02	----	----
		90.3	-.04	-.01	-.01	0	-.01	----	----
	Lower	2.6	----	-.01	-.01	0	.01	3.7	.02
		7.7	-.02	-.06	-.07	----	-.05	----	----
		20.2	-.01	-.09	-.09	-.09	-.09	21.3	-.05
		35.2	-.05	-.09	-.09	-.08	-.08	----	----
		50.2	-.06	-.09	-.08	-.06	-.07	----	----
		65.2	-.05	-.07	-.06	-.05	-.03	----	----
		85.2	-.03	-.04	-.04	----	----	----	----
2	Upper	0	----	.10	.03	.03	----	0	-.08
		1.5	----	-.14	-.25	.34	-.49	2.4	-.28
		5.2	-.05	-.20	-.25	-.31	-.37	6.2	-.55
		10.3	-.05	-.17	-.21	-.25	-.31	10.9	-.35
		15.2	-.05	-.17	-.21	-.23	-.25	16.7	-.31
		30.3	-.08	-.14	-.17	-.18	-.17	21.2	-.21
		45.3	-.10	-.13	-.13	-.13	-.14	46.5	-.14
		60.3	-.09	-.11	-.10	-.09	-.11	----	----
		80.3	-.06	-.06	-.06	-.05	-.05	----	----
		90.3	-.05	-.02	-.02	-.01	-.02	----	----
	Lower	2.6	----	.05	.04	.06	.08	3.7	.12
		7.7	-.02	-.02	-.03	----	.01	----	----
		20.2	-.02	-.07	-.06	-.06	-.04	21.3	0
		35.2	-.03	-.08	-.08	-.06	-.06	----	----
		50.2	-.05	-.07	-.06	-.05	-.05	----	----
		65.2	-.05	-.06	-.06	-.04	-.03	----	----
		85.2	-.03	-.03	-.04	----	----	----	----

TABLE III.- CONTINUED

(b) α_u, 3, 4, 5, 6, 8, 10

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
3	Upper	0	----	0.02	-0.14	-0.17	----	0	-0.38
		1.5	----	-.24	-.41	-.52	-0.77	2.4	-.45
		5.2	-.06	-.25	-.33	-.41	-.59	6.2	-.77
		10.3	-.06	-.21	-.27	-.33	-.36	10.9	-.52
		15.2	-.06	-.19	-.25	-.26	-.31	16.7	-.43
		30.3	-.09	-.16	-.19	-.21	-.22	21.2	-.29
		45.3	-.11	-.14	-.15	-.16	-.17	46.5	-.21
		60.3	-.10	-.11	-.11	-.11	-.13	----	----
		80.3	-.06	-.06	-.06	-.06	-.06	----	----
		90.3	-.06	-.02	-.02	-.02	-.02	----	----
	Lower	2.6	----	.09	.10	.13	.13	3.7	.16
		7.7	0	0	.02	----	.07	----	----
		20.2	0	-.04	-.02	-.02	0	21.3	.05
		35.2	-.02	-.06	-.04	-.03	-.02	----	----
		50.2	-.04	-.06	-.05	-.02	-.02	----	----
		65.2	-.03	-.05	-.04	-.02	-.02	----	----
		85.2	-.02	-.03	-.04	----	----	----	----
4	Upper	0	----	-.08	-.35	-.43	----	0	-.58
		1.5	----	-.34	-.57	-.69	-1.02	2.4	-.49
		5.2	-.06	-.30	-.43	-.58	-.61	6.2	-.84
		10.3	-.06	-.25	-.31	-.37	-.47	10.9	-.71
		15.2	-.07	-.22	-.27	-.32	-.39	16.7	-.65
		30.3	-.10	-.18	-.22	-.23	-.27	21.2	-.53
		45.3	-.12	-.15	-.17	-.19	-.20	46.5	-.36
		60.3	-.11	-.13	-.14	-.12	-.14	----	----
		80.3	-.06	-.06	-.07	-.07	-.07	----	----
		90.3	-.06	-.02	-.02	-.02	-.02	----	----
	Lower	2.6	----	.12	.13	.15	.14	3.7	.16
		7.7	.01	.01	.05	----	.11	----	----
		20.2	.02	-.02	0	-.03	.04	21.3	.09
		35.2	0	-.03	-.02	-.05	.01	----	----
		50.2	-.02	-.04	-.03	-.05	0	----	----
		65.2	-.02	-.04	-.02	-.06	0	----	----
		85.2	-.02	-.02	-.03	----	----	----	----
5	Upper	0	----	-.22	-.61	-.78	----	0	-.69
		1.5	----	-.45	-.75	-.95	-1.35	2.4	-.49
		5.2	-.06	-.37	-.50	-.59	-.89	6.2	-.80
		10.3	-.07	-.26	-.37	-.45	-.57	10.9	-.78
		15.2	-.07	-.24	-.32	-.42	-.46	16.7	-.79
		30.3	-.10	-.20	-.24	-.27	-.31	21.2	-.80
		45.3	-.14	-.18	-.18	-.22	-.24	46.5	-.82
		60.3	-.13	-.14	-.14	-.14	-.17	----	----
		80.3	-.07	-.07	-.08	-.08	-.08	----	----
		90.3	-.06	-.03	-.02	-.02	-.03	----	----
	Lower	2.6	----	.15	.15	.16	.13	3.7	.14
		7.7	.02	.08	.09	----	.14	----	----
		20.2	.02	.01	.02	.04	.06	21.3	.12
		35.2	.01	-.02	-.01	.02	.03	----	----
		50.2	-.01	-.03	-.01	.01	.02	----	----
		65.2	-.01	-.03	-.01	0	.02	----	----
		85.2	-.01	-.02	-.02	----	----	----	----

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
6	Upper	0	----	-0.38	-0.92	-1.22	----	0	-0.99
		1.5	----	-.56	-.99	-1.27	-2.01	2.4	-.64
		5.2	-.07	-.42	-.59	-.76	-1.77	6.2	-.97
		10.3	-.08	-.31	-.44	-.54	-.72	10.9	-.97
		15.2	-.08	-.26	-.37	-.45	-.58	16.7	-.99
		30.3	-.12	-.23	-.28	-.31	-.38	21.2	-1.11
		45.3	-.15	-.19	-.21	-.24	-.29	46.5	-1.13
		60.3	-.14	-.15	-.16	-.17	-.20	----	----
		80.3	-.07	-.07	-.04	-.09	-.10	----	----
		90.3	-.06	-.03	-.03	-.03	-.05	----	----
	Lower	2.6	----	.17	.15	.14	.06	3.7	.07
		7.7	.02	.11	.12	----	.17	----	----
		20.2	.04	.04	.06	.07	.09	21.3	.13
		35.2	.03	0	.01	.04	.06	----	----
		50.2	.01	-.01	0	.03	.04	----	----
		65.2	0	-.02	0	.01	.04	----	----
		85.2	0	0	-.02	----	----	----	----
8	Upper	0	----	-.79	-1.75	-2.32	----	0	-.94
		1.5	----	-.86	-1.61	-1.57	-3.05	2.4	-.57
		5.2	-.08	-.55	-.82	-1.06	-2.00	6.2	-.81
		10.3	-.08	-.39	-.57	-.72	-.74	10.9	-.82
		15.2	-.09	-.34	-.47	-.59	-.59	16.7	-.82
		30.3	-.15	-.27	-.34	-.42	-.42	21.2	-.77
		45.3	-.17	-.23	-.26	-.31	-.31	46.5	-.86
		60.3	-.15	-.18	-.19	-.21	-.22	----	----
		80.3	-.08	-.09	-.10	.01	-.11	----	----
		90.3	-.06	-.04	-.04	-.04	-.06	----	----
	Lower	2.6	----	.20	.13	.06	-.11	3.7	0
		7.7	.04	.16	.17	----	.18	----	----
		20.2	.07	.08	.10	.12	.15	21.3	.17
		35.2	.06	.04	.06	.09	.10	----	----
		50.2	.04	.02	.04	.06	.03	----	----
		65.2	.03	.01	.02	.04	.02	----	----
		85.2	.02	.01	0	----	----	----	----
10	Upper	0	----	-1.32	-2.79	-3.67	----	0	-.71
		1.5	----	-1.20	-2.00	-2.05	-1.65	2.4	-.45
		5.2	-.08	-.67	-1.04	-1.31	-1.72	6.2	-.63
		10.3	-.09	-.47	-.71	-1.02	-1.80	10.9	-.64
		15.2	-.11	-.40	-.58	-.93	-2.31	16.7	-.66
		30.3	-.16	-.31	-.42	-.48	-1.89	21.2	-.63
		45.3	-.18	-.26	-.31	-.35	-.37	46.5	-.60
		60.3	-.16	-.20	-.23	-.24	-.29	----	----
		80.3	-.09	-.09	-.12	-.14	-.13	----	----
		90.3	-.07	-.04	-.05	-.07	-.07	----	----
	Lower	2.6	----	.21	.05	-.09	-.12	3.7	-.03
		7.7	.07	.21	.20	----	.20	----	----
		20.2	.10	.13	.16	.17	.18	21.3	.17
		35.2	.10	.09	.10	.13	.13	----	----
		50.2	.08	.06	.07	.10	.10	----	----
		65.2	.06	.05	.06	.06	.08	----	----
		85.2	.04	.03	.01	----	----	----	----

TABLE III.- CONCLUDED

(c) α_u, 12, 14, 16, 18, 20, 22, 24

α_u	Surface	% c	P 0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	% c for 0.90b/2	P 0.90b/2
12	Upper	0	----	-1.94	-3.98	-2.67	----	0	-.59
		1.5	----	-1.44	-2.52	-1.94	-1.30	2.4	-.41
		5.2	-.09	-.82	-1.22	-1.98	-1.33	6.2	-.56
		10.3	-.10	-.56	-.92	-2.01	-1.35	10.9	-.57
		15.2	-.12	-.49	-.90	-1.59	-1.31	16.7	-.58
		30.3	-.17	-.36	-.42	-.42	-1.59	21.2	-.57
		45.3	-.20	-.27	-.35	-.31	-1.31	46.5	-.55
		60.3	-.18	-.22	-.26	-.63	-.77	----	----
		80.3	-.10	-.11	-.15	-.15	-.54	----	----
		90.3	-.08	-.06	-.07	-.09	-.39	----	----
	Lower	2.6	----	.20	-.07	-.16	-.16	3.7	-.07
		7.7	.09	.24	.20	----	.19	----	----
		20.2	.13	.17	.20	.21	.21	21.3	.16
		35.2	.13	.13	.13	.17	.16	----	----
		50.2	.10	.09	.10	.13	.11	----	----
		65.2	.09	.07	.08	.08	.08	----	----
		85.2	.05	.05	.01	----	----	----	----
14	Upper	0	----	-2.71	-5.22	-1.80	----	0	-.52
		1.5	----	-1.80	-2.90	-1.84	-1.00	2.4	-.37
		5.2	-.10	-.95	-1.49	-1.98	-1.01	6.2	-.49
		10.3	-.12	-.71	-1.33	-2.08	-1.07	10.9	-.50
		15.2	-.13	-.64	-1.44	-2.82	-1.04	16.7	-.51
		30.3	-.20	-.39	-.68	-1.23	-1.04	21.2	-.50
		45.3	-.23	-.33	-.41	-.50	-1.08	46.5	-.49
		60.3	-.19	-.25	-.29	-.36	-.87	----	----
		80.3	-.12	-.13	-.16	-.23	-.72	----	----
		90.3	-.09	-.07	-.08	-.14	-.60	----	----
	Lower	2.6	----	.15	-.22	-.17	-.17	3.7	-.09
		7.7	.12	.28	.23	----	.20	----	----
		20.2	.16	.23	.24	.24	.21	21.3	.16
		35.2	.17	.17	.18	.20	.17	----	----
		50.2	.15	.14	.14	.16	.12	----	----
		65.2	.12	.10	.10	.09	.08	----	----
		85.2	.08	.06	.03	----	----	----	----
16	Upper	0	----	-3.61	-2.71	-1.52	----	0	-.48
		1.5	----	-2.21	-2.70	-1.56	-.92	2.4	-.36
		5.2	-.10	-1.09	-4.04	-1.61	-.92	6.2	-.47
		10.3	-.12	-.96	-2.66	-1.59	-.96	10.9	-.48
		15.2	-.13	-.80	-1.23	-1.67	-.94	16.7	-.48
		30.3	-.23	-.45	-.55	-1.87	-.91	21.2	-.47
		45.3	-.25	-.36	-.41	-1.20	-.94	46.5	-.46
		60.3	-.20	-.28	-.38	-.77	-.84	----	----
		80.3	-.12	-.15	-.20	-.47	-.73	----	----
		90.3	-.11	-.08	-.11	-.31	-.67	----	----
	Lower	2.6	----	.10	-.25	-.21	-.22	3.7	-.13
		7.7	.16	.30	.24	----	.16	----	----
		20.2	.20	.28	.28	.28	.23	21.3	.16
		35.2	.21	.23	.21	.23	.19	----	----
		50.2	.19	.17	.17	.17	.14	----	----
		65.2	.16	.13	.12	.12	.09	----	----
		85.2	.09	.08	.05	----	----	----	----

α_u	Surface	% c	P 0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	% c for 0.90b/2	P 0.90b/2
18	Upper	0	----	-4.64	-2.36	-1.85	----	0	-.51
		1.5	----	-2.64	-2.44	-1.29	-.92	2.4	-.41
		5.2	-.13	-1.37	-2.60	-1.37	-.94	6.2	-.50
		10.3	-.13	-1.36	-3.20	-1.45	-.97	10.9	-.51
		15.2	-.17	-.93	-3.35	-1.49	-.94	16.7	-.52
		30.3	-.27	-.51	-.80	-1.68	-.90	21.2	-.51
		45.3	-.27	-.41	-.60	-1.36	-.92	46.5	-.50
		60.3	-.22	-.33	-.41	-1.03	-.86	----	----
		80.3	-.15	-.20	-.25	-.69	-.80	----	----
		90.3	-.12	-.12	-.16	-.52	-.72	----	----
	Lower	2.6	----	-.01	-.33	-.24	-.31	3.7	-.21
		7.7	.17	.32	.24	----	.14	----	----
		20.2	.23	.32	.31	.28	.24	21.3	.16
		35.2	.24	.27	.24	.24	.20	----	----
		50.2	.22	.20	.20	.20	.15	----	----
		65.2	.19	.16	.14	.12	.09	----	----
		85.2	.16	.09	.04	----	----	----	----
20	Upper	0	----	-5.78	-2.30	-1.35	----	0	-.50
		1.5	----	-3.05	-2.32	-1.42	-.87	2.4	-.41
		5.2	-.12	-1.63	-2.46	-1.48	-.89	6.2	-.50
		10.3	-.15	-1.79	-2.94	-1.44	-.92	10.9	-.52
		15.2	-.16	-.84	-3.26	-1.40	-.91	16.7	-.52
		30.3	-.24	-.51	-1.38	-1.52	-.91	21.2	-.51
		45.3	-.26	-.44	-.86	-1.36	-.91	46.5	-.49
		60.3	-.20	-.36	-.57	-1.09	-.84	----	----
		80.3	-.15	-.24	-.36	-.80	-.79	----	----
		90.3	-.14	-.15	-.24	-.63	-.71	----	----
	Lower	2.6	----	-.09	-.38	-.32	-.34	3.7	-.25
		7.7	.22	.35	.24	----	.12	----	----
		20.2	.28	.37	.34	.30	.25	21.3	.16
		35.2	.29	.32	.28	.28	.22	----	----
		50.2	.28	.25	.24	.23	.17	----	----
		65.2	.22	.20	.17	.15	.12	----	----
		85.2	.14	.12	.05	----	----	----	----
22	Upper	0	----	-7.18	-2.31	-1.33	----	0	-.55
		1.5	----	-3.47	-2.37	-1.38	-.92	2.4	-.48
		5.2	-.17	-2.05	-2.44	-1.44	-.95	6.2	-.55
		10.3	-.20	-2.50	-2.50	-1.42	-.98	10.9	-.57
		15.2	-.24	-1.30	-2.42	-1.44	-.98	16.7	-.58
		30.3	-.32	-.60	-1.94	-1.50	-.97	21.2	-.57
		45.3	-.29	-.44	-1.19	-1.38	-.95	46.5	-.55
		60.3	-.24	-.46	-.82	-1.11	-.87	----	----
		80.3	-.20	-.32	-.52	-.90	-.80	----	----
		90.3	-.18	-.20	-.36	-.72	-.72	----	----
	Lower	2.6	----	-.29	-.50	-.40	-.46	3.7	-.34
		7.7	.25	.36	.23	----	.08	----	----
		20.2	.31	.42	.36	.32	.25	21.3	.15
		35.2	.33	.36	.32	.29	.24	----	----
		50.2	.31	.29	.26	.24	.19	----	----
		65.2	.25	.23	.20	.16	.16	----	----
		85.2	.16	.13	.05	----	----	----	----

NACA

α_u	Surface	% c	P 0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	% c for 0.90b/2	P 0.90b/2
24	Upper	0	----	-8.35	-2.19	-1.32	----	0	-0.57
		1.5	----	-3.65	-2.25	-1.40	-0.95	2.4	-.50
		5.2	-0.21	-2.30	-2.35	-1.48	-.99	6.2	-.57
		10.3	-.25	-2.39	-2.36	-1.48	-1.02	10.9	-.57
		15.2	-.29	-1.40	-2.55	-1.48	-1.00	16.7	-.58
		30.3	-.37	-.70	-2.00	-1.48	-.98	21.2	-.57
		45.3	-.33	-.64	-1.36	-1.36	-.96	46.5	-.56
		60.3	-.27	-.53	-1.00	-1.17	-.86	----	----
		80.3	-.25	-.40	-.67	-.94	-.79	----	----
		90.3	-.23	-.27	-.47	-.76	-.71	----	----
	Lower	2.6	----	-.40	-.57	-.48	-.53	3.7	-.38
		7.7	.28	.36	.20	----	-.05	----	----
		20.2	.35	.45	.38	.32	.25	21.3	.13
		35.2	.37	.39	.29	.31	.24	----	----
		50.2	.33	.32	.28	.26	.19	----	----
		65.2	.28	.24	.21	.16	.13	----	----
		85.2	.17	.13	.05	----	----	----	----

TABLE IV.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0005-63 SECTION. M, 0.24; R, 3.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	% c	P					% c for 0.90b/2	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		0.90b/2
-3	Upper	0	----	0.08	-0.02	-0.17	----	0	-0.51
		1.5	----	.14	.15	.13	0.15	2.4	-.09
		5.2	-0.01	.04	.05	.06	.09	6.2	.14
		10.3	0	0	0	.02	.05	10.9	.10
		15.2	0	-.02	0	0	.02	16.7	.07
		30.3	0	-.04	-.05	-.04	-.01	21.2	.04
		45.3	-.03	-.05	-.05	-.04	-.02	46.5	.02
		60.3	-.04	-.05	-.04	-.03	-.02	----	----
		80.3	-.02	-.02	-.02	-.01	0	----	----
		90.3	-.02	-.01	.01	.01	.01	----	----
	Lower	2.6	----	-.25	-.40	-.49	.55	3.7	-.89
		7.7	-.03	-.20	-.29	----	-.55	----	----
		20.2	-.06	-.17	-.21	-.24	-.29	21.3	-.35
		35.2	-.09	-.15	-.17	-.20	-.21	----	----
		50.2	-.10	-.14	-.14	-.14	-.15	----	----
		65.2	-.09	-.11	-.10	-.10	-.10	----	----
		85.2	-.06	-.05	-.04	----	----	----	----
	c_n	----	-.052	-.101	-.114	-.160	-.199	----	----
-2	Upper	0	----	.13	.10	.02	----	0	-.18
		1.5	----	.11	.11	.10	.14	2.4	-.01
		5.2	-.02	0	.01	.01	.04	6.2	.09
		10.3	-.02	-.03	-.03	-.02	0	10.9	.05
		15.2	-.01	-.05	-.05	-.04	-.02	16.7	.02
		30.3	-.01	-.06	-.07	-.06	-.04	21.2	0
		45.3	-.05	-.07	-.06	-.06	-.04	46.5	-.01
		60.3	-.05	-.06	-.05	-.04	-.03	----	----
		80.3	-.03	-.03	-.02	-.01	.02	----	----
		90.3	-.03	0	.01	.01	.01	----	----
	Lower	2.6	----	-.18	-.29	-.34	-.65	3.7	-.70
		7.7	-.02	-.16	-.23	----	-.35	----	----
		20.2	-.04	-.15	-.18	-.20	-.21	21.3	-.26
		35.2	-.07	-.14	-.14	-.14	-.17	----	----
		50.2	-.09	-.12	-.12	-.12	-.13	----	----
		65.2	-.08	-.10	-.10	-.09	-.07	----	----
		85.2	-.05	-.04	-.03	----	----	----	----
	c_n	----	-.033	-.064	-.080	-.116	-.135	----	----
-1	Upper	0	----	.17	.16	.16	----	0	.09
		1.5	----	.07	.07	.03	-.08	2.4	0
		5.2	-.03	-.04	-.05	-.04	-.03	6.2	0
		10.3	-.02	-.06	-.07	-.06	-.06	10.9	-.02
		15.2	-.02	-.07	-.08	-.07	-.06	16.7	-.04
		30.3	-.02	-.08	-.09	-.08	-.07	21.2	-.04
		45.3	-.06	-.08	-.08	-.07	-.06	46.5	-.03
		60.3	-.06	-.07	-.06	-.05	-.05	----	----
		80.3	-.03	-.03	-.02	-.02	-.01	----	----
		90.3	-.03	0	.01	.02	.01	----	----
	Lower	2.6	----	-.11	-.18	-.21	-.28	3.7	-.42
		7.7	-.01	-.12	-.16	----	-.23	----	----
		20.2	-.03	-.13	-.14	-.16	-.17	21.3	-.19
		35.2	-.06	-.12	-.12	-.13	-.14	----	----
		50.2	-.08	-.10	-.10	-.10	-.11	----	----
		65.2	-.07	-.08	-.07	-.06	-.04	----	----
		85.2	-.04	-.04	-.02	----	----	----	----
	c_n	----	-.018	-.042	-.040	-.048	-.064	----	----

α_u	Surface	% c	P					% c for 0.90b/2	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		0.90b/2
0	Upper	0	----	0.18	0.17	0.17	----	0	0.17
		1.5	----	0	-.02	-.08	-0.07	2.4	-.13
		5.2	-0.03	-.09	-.11	-.13	-.14	6.2	-.15
		10.3	-.03	-.10	-.12	-.13	-.13	10.9	-.13
		15.2	-.03	-.10	-.12	-.13	-.13	16.7	-.14
		30.3	-.04	-.10	-.11	-.11	-.11	21.2	-.11
		45.3	-.08	-.09	-.10	-.10	-.09	46.5	-.08
		60.3	-.08	-.08	-.08	-.07	-.07	----	----
		80.3	-.04	-.04	-.03	-.02	-.02	----	----
		90.3	-.03	-.01	0	.02	.02	----	----
	Lower	2.6	----	-.04	-.08	-.08	-.11	3.7	-.13
		7.7	-.01	-.08	-.11	----	-.12	----	----
		20.2	-.02	-.10	-.11	-.12	-.12	21.3	-.11
		35.2	-.05	-.10	-.10	-.10	-.10	----	----
		50.2	-.07	-.09	-.09	-.08	-.08	----	----
		65.2	-.06	-.08	-.07	-.06	-.04	----	----
		85.2	-.04	-.03	-.01	----	----	----	----
	c_n	----	0	0	0	0	0	----	----
1	Upper	0	----	.16	.13	.15	----	0	.14
		1.5	----	-.06	-.11	-.18	-.22	2.4	-.11
		5.2	-.03	-.13	-.17	-.20	-.23	6.2	-.30
		10.3	-.03	-.12	-.16	-.18	-.20	10.9	-.23
		15.2	-.03	-.12	-.15	-.16	-.18	16.7	-.22
		30.3	-.05	-.11	-.13	-.14	-.18	21.2	-.15
		45.3	-.08	-.10	-.11	-.11	-.11	46.5	-.11
		60.3	-.08	-.09	-.08	-.08	-.08	----	----
		80.3	-.04	-.04	-.04	-.03	-.04	----	----
		90.3	-.03	-.01	0	.01	.01	----	----
	Lower	2.6	----	.01	0	.01	.01	3.7	.03
		7.7	0	-.05	-.06	----	-.04	----	----
		20.2	-.01	-.08	-.08	-.08	-.08	21.3	-.04
		35.2	-.04	-.08	-.08	-.08	-.07	----	----
		50.2	-.05	-.08	-.07	-.06	-.06	----	----
		65.2	-.05	-.06	-.06	-.05	-.03	----	----
		85.2	-.03	-.03	0	----	----	----	----
	c_n	----	.018	.031	.040	.053	.077	----	----
2	Upper	0	----	.11	.03	.04	----	0	-.08
		1.5	----	-.14	-.24	-.33	-.46	2.4	-.24
		5.2	-.04	-.19	-.25	-.30	-.36	6.2	-.55
		10.3	-.04	-.16	-.21	-.25	-.27	10.9	-.34
		15.2	-.05	-.16	-.20	-.22	-.25	16.7	-.30
		30.3	-.07	-.14	-.16	-.18	-.17	21.2	-.22
		45.3	-.09	-.12	-.12	-.12	-.14	46.5	-.15
		60.3	-.09	-.10	-.10	-.09	-.10	----	----
		80.3	-.05	-.05	-.04	-.04	-.04	----	----
		90.3	-.04	-.02	0	.01	0	----	----
	Lower	2.6	----	.05	.05	.08	.09	3.7	.12
		7.7	.01	-.01	-.01	----	.02	----	----
		20.2	0	-.06	-.05	-.04	-.03	21.3	.01
		35.2	-.03	-.06	-.06	-.05	-.04	----	----
		50.2	-.04	-.06	-.06	-.04	-.04	----	----
		65.2	-.04	-.05	-.04	-.03	-.02	----	----
		85.2	-.03	-.02	0	----	----	----	----
	c_n	----	.033	.063	.081	.106	.125	----	----

TABLE IV.- CONTINUED

(b) α_u, 3, 4, 5, 6, 8, 10

α_u	Surface	% c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	% c for 0.90b/2	P 0.90b/2
3	Upper	0	----	0.04	-0.12	-0.15	----	0	-0.34
		1.5	----	-.23	-.39	-.50	-0.73	2.4	-.39
		5.2	-0.04	-.23	-.32	-.40	-.58	6.2	-.75
		10.3	-.05	-.20	-.27	-.32	-.35	10.9	-.49
		15.2	-.05	-.18	-.24	-.26	-.31	16.7	-.40
		30.3	-.08	-.15	-.18	-.20	-.22	21.2	-.28
		45.3	-.10	-.14	-.14	-.15	-.17	46.5	-.21
		60.3	-.10	-.11	-.11	-.10	-.12	----	----
		80.3	-.06	-.05	-.05	-.05	-.04	----	----
		90.3	-.04	-.02	-.01	0	-.01	----	----
	Lower	2.6	----	.10	.10	.12	.14	3.7	.16
		7.7	.02	.02	.03	----	.08	----	----
		20.2	.01	-.03	-.03	-.01	.01	21.3	.06
		35.2	-.01	-.04	-.04	-.02	-.01	----	----
		50.2	-.03	-.05	-.04	-.02	-.01	----	----
		65.2	-.03	-.04	-.03	-.02	0	----	----
		85.2	-.02	-.02	.01	----	----	----	----
	c_n	----	.052	.088	.124	.152	.198	----	----
4	Upper	0	----	-.06	-.33	-.41	----	0	-.54
		1.5	----	-.33	-.55	-.68	-.97	2.4	-.42
		5.2	-.05	-.29	-.42	-.57	-.64	6.2	-.80
		10.3	-.05	-.24	-.31	-.36	-.46	10.9	-.68
		15.2	-.06	-.20	-.27	-.32	-.39	16.7	-.61
		30.3	-.09	-.17	-.21	-.24	-.27	21.2	-.53
		45.3	-.11	-.15	-.16	-.18	-.20	46.5	-.40
		60.3	-.11	-.12	-.12	-.12	-.14	----	----
		80.3	-.06	-.06	-.06	-.06	-.06	----	----
		90.3	-.05	-.02	-.01	-.01	-.02	----	----
	Lower	2.6	----	.13	.13	.16	.15	3.7	.16
		7.7	.02	.05	.06	----	.12	----	----
		20.2	.02	-.01	0	.02	.04	21.3	.09
		35.2	0	-.03	-.02	0	.01	----	----
		50.2	-.02	-.04	-.02	-.01	0	----	----
		65.2	-.02	-.03	-.01	-.01	.01	----	----
		85.2	-.01	-.01	.01	----	----	----	----
	c_n	----	.074	.127	.167	.208	.257	----	----
5	Upper	0	----	-.20	-.60	-.77	----	0	-.67
		1.5	----	-.44	-.75	-.96	-1.27	2.4	-.42
		5.2	-.06	-.36	-.50	-.59	-1.17	6.2	-.76
		10.3	-.06	-.26	-.37	-.45	-.61	10.9	-.73
		15.2	-.07	-.24	-.32	-.38	-.44	16.7	-.73
		30.3	-.10	-.20	-.24	-.28	-.31	21.2	-.73
		45.3	-.13	-.17	-.19	-.21	-.23	46.5	-.78
		60.3	-.12	-.14	-.14	-.14	-.16	----	----
		80.3	-.07	-.07	-.07	-.07	-.07	----	----
		90.3	-.05	-.03	-.02	-.02	-.02	----	----
	Lower	2.6	----	.16	.16	.16	.14	3.7	.14
		7.7	.03	.09	.09	----	.16	----	----
		20.2	.03	.02	.03	.05	.07	21.3	.12
		35.2	.02	-.01	0	.02	.04	----	----
		50.2	0	-.02	-.01	.01	.03	----	----
		65.2	-.01	-.02	0	.01	.03	----	----
		85.2	-.01	-.01	.01	----	----	----	----
	c_n	----	.094	.159	.209	.257	.331	----	----

α_u	Surface	% c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	% c for 0.90b/2	P 0.90b/2
6	Upper	0	----	-0.35	-0.93	-1.21	----	0	-0.90
		1.5	----	-.56	-.99	-1.28	-1.99	2.4	-.54
		5.2	-0.06	-.40	-.59	-.76	-1.00	6.2	-.88
		10.3	-.06	-.30	-.43	-.54	-.73	10.9	-.87
		15.2	-.07	-.27	-.36	-.44	-.59	16.7	-.89
		30.3	-.11	-.22	-.26	-.31	-.39	21.2	-.92
		45.3	-.14	-.18	-.20	-.23	-.29	46.5	-1.07
		60.3	-.13	-.14	-.15	-.16	-.20	----	----
		80.3	-.07	-.08	-.08	-.08	-.10	----	----
		90.3	-.05	-.03	-.02	-.02	-.04	----	----
	Lower	2.6	----	.18	.17	.15	.08	3.7	.09
		7.7	.04	.11	.13	----	.18	----	----
		20.2	.05	.04	.06	.08	.11	21.3	.15
		35.2	.04	.01	.02	.05	.07	----	----
		50.2	.01	0	.01	.04	.05	----	----
		65.2	.01	0	.01	.02	.05	----	----
		85.2	0	.01	.02	----	----	----	----
	c_n	----	.113	.196	.250	.309	.434	----	----
8	Upper	0	----	-.76	-1.75	-2.31	----	0	-.80
		1.5	----	-.86	-1.64	-1.98	-2.00	2.4	-.45
		5.2	-.07	-.54	-.82	-1.05	-2.15	6.2	-.68
		10.3	-.07	-.39	-.58	-.73	-2.34	10.9	-.69
		15.2	-.08	-.33	-.47	-.60	-1.30	16.7	-.70
		30.3	-.13	-.26	-.33	-.42	-.31	21.2	-.66
		45.3	-.16	-.22	-.25	-.30	-.24	46.5	-.67
		60.3	-.15	-.17	-.18	-.20	-.18	----	----
		80.3	-.09	-.10	-.10	-.11	-.09	----	----
		90.3	-.06	-.04	-.04	-.04	-.04	----	----
	Lower	2.6	----	.21	.14	-.07	-.03	3.7	.04
		7.7	.06	.16	.16	----	.20	----	----
		20.2	.07	.09	.11	.13	.15	21.3	.16
		35.2	.06	.05	.06	.09	.11	----	----
		50.2	.05	.03	.04	.07	.07	----	----
		65.2	.03	.01	.03	.04	.07	----	----
		85.2	.01	.01	.03	----	----	----	----
	c_n	----	.150	.272	.350	.421	.612	----	----
10	Upper	0	----	-1.27	-2.75	-2.78	----	0	-.62
		1.5	----	-1.20	-2.07	-1.83	-1.33	2.4	-.36
		5.2	-.08	-.67	-1.04	-1.31	-1.39	6.2	-.56
		10.3	-.08	-.47	-.72	-.89	-1.43	10.9	-.57
		15.2	-.09	-.39	-.60	-.71	-1.50	16.7	-.58
		30.3	-.15	-.31	-.41	-.45	-1.81	21.2	-.57
		45.3	-.18	-.25	-.30	-.32	-.81	46.5	-.55
		60.3	-.16	-.19	-.22	-.23	-.36	----	----
		80.3	-.09	-.10	-.12	-.13	-.19	----	----
		90.3	-.06	-.04	-.05	-.06	-.11	----	----
	Lower	2.6	----	.22	.07	-.04	-.06	3.7	.01
		7.7	.08	.21	.20	----	.20	----	----
		20.2	.10	.14	.16	.18	.18	21.3	.17
		35.2	.10	.09	.11	.13	.14	----	----
		50.2	.08	.07	.08	.10	.10	----	----
		65.2	.07	.05	.06	.07	.08	----	----
		85.2	.04	.05	.05	----	----	----	----
	c_n	----	.191	.344	.441	.558	.918	----	----

TABLE IV.- CONCLUDED

(c) α_u, 12, 14, 16, 18, 20, 22, 24

α_u	Surface	% c	P 0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	% c for 0.90b/2	P 0.90b/2
12	Upper	0	----	-1.93	-3.97	-2.01	----	0	-0.59
		1.5	----	-1.46	-2.57	-1.78	-1.05	2.4	-.38
		5.2	-0.09	-.82	-1.23	-1.83	-1.07	6.2	-.54
		10.3	-.10	-.57	-1.03	-2.31	-1.10	10.9	-.54
		15.2	-.11	-.50	-.98	-2.43	-1.08	16.7	-.55
		30.3	-.17	-.37	-.53	-.45	-1.11	21.2	-.53
		45.3	-.20	-.29	-.36	-.23	-1.20	46.5	-.51
		60.3	-.18	-.22	-.26	-.21	-.94	----	----
		80.3	-.10	-.12	-.15	-.14	-.63	----	----
		90.3	-.08	-.06	-.08	-.07	-.49	----	----
	Lower	2.6	----	.20	-.06	-.09	-.10	3.7	.06
		7.7	.11	.25	.22	----	.20	----	----
		20.2	.13	.18	.20	.21	.21	21.3	.17
		35.2	.14	.14	.15	.16	.16	----	----
		50.2	.12	.11	.11	.12	.11	----	----
		65.2	.09	.08	.08	.08	.08	----	----
		85.2	.05	.05	.05	----	----	----	----
	c_n	----	.238	.461	.615	.752	.979	----	----
14	Upper	0	----	-2.68	-2.77	-1.54	----	0	-.51
		1.5	----	-1.79	-2.55	-1.50	-.90	2.4	-.35
		5.2	-.10	-.95	-3.14	-1.66	-.92	6.2	-.48
		10.3	-.10	-.72	-1.96	-1.68	-.94	10.9	-.48
		15.2	-.12	-.65	-.63	-1.77	-.95	16.7	-.49
		30.3	-.19	-.40	-.41	-1.93	-.90	21.2	-.49
		45.3	-.22	-.32	-.33	-.77	-.96	46.5	-.47
		60.3	-.19	-.24	-.26	-.44	-.90	----	----
		80.3	-.11	-.13	-.16	-.25	-.72	----	----
		90.3	-.08	-.07	-.08	-.15	-.62	----	----
	Lower	2.6	----	.17	-.11	-.12	-.13	3.7	-.09
		7.7	.15	.29	.24	----	.20	----	----
		20.2	.17	.24	.24	.24	.23	21.3	.17
		35.2	.19	.19	.19	.20	.18	----	----
		50.2	.16	.15	.15	.16	.14	----	----
		65.2	.13	.11	.11	.10	.09	----	----
		85.2	.08	.07	.07	----	----	----	----
	c_n	----	.282	.516	.685	1.006	.896	----	----
16	Upper	0	----	-3.60	-2.17	-1.44	----	0	-.48
		1.5	----	-2.21	-2.27	-1.49	-.91	2.4	-.36
		5.2	-.11	-1.13	-2.38	-1.50	-.91	6.2	-.47
		10.3	-.12	-1.01	-3.34	-1.50	-.93	10.9	-.47
		15.2	-.14	-.80	-2.92	-1.41	-.93	16.7	-.48
		30.3	-.23	-.46	-.49	-1.78	-.87	21.2	-.48
		45.3	-.25	-.35	-.37	-1.31	-.85	46.5	-.46
		60.3	-.20	-.28	-.32	-.88	-.85	----	----
		80.3	-.13	-.17	-.20	-.52	-.75	----	----
		90.3	-.10	-.10	-.12	-.36	-.66	----	----
	Lower	2.6	----	.10	-.18	-.18	-.22	3.7	-.14
		7.7	.17	.31	.25	----	.18	----	----
		20.2	.20	.29	.28	.26	.24	21.3	.17
		35.2	.22	.23	.22	.22	.20	----	----
		50.2	.20	.19	.17	.17	.15	----	----
		65.2	.16	.14	.13	.12	.09	----	----
		85.2	.09	.08	.07	----	----	----	----
	c_n	----	.333	.628	.967	1.165	.866	----	----
18	Upper	0	----	-4.62	-2.09	-1.35	----	0	-0.48
		1.5	----	-2.59	-2.18	-1.41	-0.87	2.4	-.39
		5.2	-0.12	-1.43	-2.34	-1.42	-.89	6.2	-.48
		10.3	-.14	-1.36	-2.40	-1.45	-.92	10.9	-.48
		15.2	-.16	-1.10	-3.31	-1.39	-.91	16.7	-.49
		30.3	-.26	-.53	-1.14	-1.50	-.87	21.2	-.48
		45.3	-.27	-.40	-.62	-1.36	-.84	46.5	-.46
		60.3	-.22	-.32	-.45	-1.04	-.83	----	----
		80.3	-.14	-.19	-.29	-.71	-.75	----	----
		90.3	-.12	-.13	-.18	-.54	-.68	----	----
	Lower	2.6	----	-.16	-.28	-.25	-.28	3.7	-.19
		7.7	.30	.35	.25	----	.16	----	----
		20.2	.24	.34	.31	.29	.25	21.3	.17
		35.2	.26	.28	.26	.25	.22	----	----
		50.2	.24	.22	.20	.20	.16	----	----
		65.2	.20	.17	.16	.13	.10	----	----
		85.2	.12	.10	.08	----	----	----	----
	c_n	----	.388	.735	1.156	1.170	.862	----	----
20	Upper	0	----	-5.30	-2.25	-1.37	----	0	-.49
		1.5	----	-2.92	2.31	-1.41	-.86	2.4	-.41
		5.2	-.14	-1.40	-2.34	-1.43	-.88	6.2	-.48
		10.3	-.17	-1.09	-2.15	-1.42	-.90	10.9	-.49
		15.2	-.20	-1.00	-2.73	-1.38	-.88	16.7	-.50
		30.3	-.29	-.66	-1.77	-1.39	-.88	21.2	-.49
		45.3	-.28	-.46	-1.00	-1.35	-.87	46.5	-.49
		60.3	-.23	-.37	-.67	-1.12	-.85	----	----
		80.3	-.17	-.23	-.41	-.83	-.78	----	----
		90.3	-.15	-.19	-.27	-.66	-.71	----	----
	Lower	2.6	----	-.17	-.37	-.33	-.35	3.7	-.24
		7.7	.23	.37	.24	----	.13	----	----
		20.2	.28	.38	.34	.30	.25	21.3	.16
		35.2	.30	.32	.29	.28	.23	----	----
		50.2	.27	.26	.23	.22	.17	----	----
		65.2	.23	.20	.18	.15	.11	----	----
		85.2	.14	.11	.09	----	----	----	----
	c_n	----	.442	.814	1.307	1.200	.874	----	----
22	Upper	0	----	-5.14	-2.03	-1.26	----	0	-.51
		1.5	----	-3.50	-2.08	-1.31	-.85	2.4	-.45
		5.2	-.17	-1.84	-2.17	-1.36	-.89	6.2	-.52
		10.3	-.20	-1.27	-2.11	-1.35	-.91	10.9	-.53
		15.2	-.25	-1.06	-2.41	-1.34	-.91	16.7	-.54
		30.3	-.33	-.68	-1.95	-1.38	-.92	21.2	-.54
		45.3	-.29	-.53	-1.26	-1.30	-.90	46.5	-.52
		60.3	-.24	-.44	-.87	-1.11	-.85	----	----
		80.3	-.20	-.31	-.56	-.87	-.75	----	----
		90.3	-.19	-.22	-.39	-.71	-.69	----	----
	Lower	2.6	----	-.15	-.41	-.36	-.41	3.7	-.30
		7.7	.27	.38	.24	----	.11	----	----
		20.2	.32	.43	.36	.32	.26	21.3	.16
		35.2	.33	.36	.32	.30	.24	----	----
		50.2	.31	.30	.26	.24	.19	----	----
		65.2	.26	.23	.20	.17	.13	----	----
		85.2	.17	.13	.09	----	----	----	----
	c_n	----	.502	.939	1.439	1.172	.892	----	----
24	Upper	0	----	-5.28	-2.03	-1.26	----	0	-0.52
		1.5	----	-5.00	-2.11	-1.33	-0.90	2.4	-.46
		5.2	-0.21	-3.60	-2.20	-1.42	-.95	6.2	-.52
		10.3	-.24	-1.36	-2.08	-1.41	-.97	10.9	-.52
		15.2	-.29	-1.10	-2.28	-1.39	-.97	16.7	-.54
		30.3	-.39	-.75	-2.02	-1.39	-.94	21.2	-.52
		45.3	-.33	-.65	-1.42	-1.34	-.91	46.5	-.50
		60.3	-.28	-.54	-1.04	-1.17	-.87	----	----
		80.3	-.25	-.35	-.69	-.94	-.78	----	----
		90.3	-.23	-.24	-.49	-.78	-.72	----	----
	Lower	2.6	----	-.24	-.50	-.43	-.50	3.7	-.34
		7.7	.30	.40	.23	----	.07	----	----
		20.2	.36	.47	.39	.33	.26	21.3	.16
		35.2	.38	.40	.35	.32	.26	----	----
		50.2	.35	.33	.29	.26	.20	----	----
		65.2	.29	.26	.22	.18	.14	----	----
		85.2	.09	.15	.09	----	----	----	----
	c_n	----	.580	1.154	1.543	1.235	.926	----	----

TABLE V.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0005-63 SECTION. M, 0.40; R, 3.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
-3	Upper	0	——	0.03	-0.02	-0.17	——	0	-0.46
		1.5	——	.14	.14	.13	0.14	2.4	-.09
		5.2	-0.02	.03	.05	.06	.09	6.2	.13
		10.3	-.01	-.01	-.01	.01	.04	10.9	.10
		15.2	0	-.03	-.03	-.01	.01	16.7	.06
		30.3	-.01	-.02	-.05	-.04	-.02	21.2	.03
		45.3	-.04	-.06	-.05	-.04	-.03	46.5	.02
		60.3	-.05	-.06	-.05	-.03	-.02	——	——
		80.3	-.03	-.03	-.02	-.02	0	——	——
		90.3	-.03	-.01	0	.02	.02	——	——
	Lower	2.6	——	-.25	-.41	-.50	-.65	3.7	-.88
		7.7	-.04	-.22	-.30	——	-.58	——	——
		20.2	-.06	-.18	-.22	-.25	-.29	21.3	-.34
		35.2	-.10	-.17	-.18	-.19	-.22	——	——
		50.2	-.11	-.14	-.15	-.15	-.17	——	——
		65.2	-.10	-.12	-.11	-.11	-.11	——	——
		85.2	-.07	-.06	-.11	——	——	——	——
	c_n	——	-.056	-.105	-.126	-.155	-.205	——	——
-2	Upper	0	——	.13	.10	.03	——	0	-.17
		1.5	——	.10	.11	.09	.13	2.4	-.04
		5.2	-.02	0	0	.01	.03	6.2	.08
		10.3	-.02	-.04	-.04	-.03	-.01	10.9	.04
		15.2	-.01	-.05	-.05	-.05	-.03	16.7	.01
		30.3	-.01	-.07	-.07	-.07	-.05	21.2	-.01
		45.3	-.05	-.07	-.07	-.06	-.05	46.5	-.01
		60.3	-.06	-.06	-.06	-.04	-.04	——	——
		80.3	-.03	-.04	-.02	-.02	-.01	——	——
		90.3	-.03	-.01	0	.01	.01	——	——
	Lower	2.6	——	-.18	-.29	-.35	-.47	3.7	-.69
		7.7	-.03	-.17	-.23	——	-.36	——	——
		20.2	-.04	-.16	-.19	-.21	-.22	21.3	-.27
		35.2	-.08	-.14	-.15	-.16	-.18	——	——
		50.2	-.10	-.12	-.13	-.01	-.14	——	——
		65.2	-.09	-.10	-.09	-.09	-.08	——	——
		85.2	-.06	-.09	-.10	——	——	——	——
	c_n	——	-.036	-.071	-.084	-.101	-.127	——	——
-1	Upper	0	——	.16	.15	.16	——	0	.08
		1.5	——	.06	.05	.02	.06	2.4	.08
		5.2	-.03	-.05	-.06	-.06	0	6.2	-.02
		10.3	-.03	-.07	-.09	-.08	-.06	10.9	-.04
		15.2	-.03	-.08	-.09	-.09	-.08	16.7	-.06
		30.3	-.03	-.09	-.10	-.10	-.09	21.2	-.06
		45.3	-.07	-.09	-.09	-.09	-.07	46.5	-.05
		60.3	-.07	-.08	-.07	-.06	-.06	——	——
		80.3	-.05	-.05	-.03	-.03	-.02	——	——
		90.3	-.04	-.02	0	.01	0	——	——
	Lower	2.6	——	-.11	-.18	-.22	-.29	3.7	-.42
		7.7	-.02	-.12	-.18	——	-.23	——	——
		20.2	-.03	-.14	-.16	-.17	-.17	21.3	-.21
		35.2	-.06	-.13	-.14	-.14	-.15	——	——
		50.2	-.09	-.11	-.12	-.11	-.12	——	——
		65.2	-.08	-.09	-.08	-.06	-.05	——	——
		85.2	-.05	-.05	-.11	——	——	——	——
	c_n	——	-.017	-.034	-.043	-.042	-.063	——	——

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
0	Upper	0	——	0.17	0.16	0.18	——	0	0.17
		1.5	——	0	-.03	-.09	-0.06	2.4	-.15
		5.2	-0.04	-.10	-.12	-.14	-.15	6.2	-.16
		10.3	-.04	-.16	-.13	-.14	-.14	10.9	-.14
		15.2	-.04	-.17	-.13	-.14	-.14	16.7	-.15
		30.3	-.04	-.17	-.13	-.13	-.13	21.2	-.12
		45.3	-.08	-.16	-.11	-.11	-.10	46.5	-.09
		60.3	-.08	-.09	-.09	-.08	-.08	——	——
		80.3	-.06	-.05	-.04	-.03	-.04	——	——
		90.3	-.05	-.03	-.01	.01	.01	——	——
	Lower	2.6	——	0	-.09	-.10	-.13	3.7	-.16
		7.7	-.02	-.09	-.13	——	-.14	——	——
		20.2	-.03	-.12	-.13	-.13	-.13	21.3	-.13
		35.2	-.06	-.11	-.12	-.12	-.12	——	——
		50.2	-.08	-.10	-.10	-.09	-.09	——	——
		65.2	-.07	-.09	-.08	-.06	-.07	——	——
		85.2	-.05	-.05	-.12	——	——	——	——
	c_n	——	0	0	0	0	0	——	——
1	Upper	0	——	.15	.13	.15	——	0	.13
		1.5	——	-.07	-.12	-.19	-.24	2.4	-.13
		5.2	-.04	-.14	-.18	-.21	-.25	6.2	-.32
		10.3	.04	-.13	-.17	-.19	-.21	10.9	-.26
		15.2	-.04	-.13	-.17	-.18	-.20	16.7	-.24
		30.3	-.05	-.13	-.15	-.16	-.16	21.2	-.17
		45.3	-.09	-.12	-.12	-.13	-.13	46.5	-.13
		60.3	-.09	-.10	-.09	-.09	-.10	——	——
		80.3	-.06	-.06	-.05	-.04	-.03	——	——
		90.3	-.05	-.03	-.01	0	.01	——	——
	Lower	2.6	——	0	-.02	-.01	-.01	3.7	.02
		7.7	-.01	-.06	-.07	——	-.06	——	——
		20.2	-.02	-.09	-.09	-.09	-.09	21.3	-.06
		35.2	-.05	-.09	-.09	-.09	-.08	——	——
		50.2	-.07	-.09	-.08	-.07	-.07	——	——
		65.2	-.06	-.07	-.07	-.06	-.05	——	——
		85.2	-.04	-.04	-.12	——	——	——	——
	c_n	——	.017	.034	.043	.052	.065	——	——
2	Upper	0	——	.11	.03	.04	——	0	.13
		1.5	——	-.15	-.25	-.35	-.48	2.4	-.25
		5.2	-.05	-.20	-.26	-.31	-.38	6.2	-.58
		10.3	-.05	-.17	-.23	-.26	-.32	10.9	-.38
		15.2	-.05	-.17	-.21	-.24	-.27	16.7	-.32
		30.3	-.06	-.15	-.17	-.20	-.20	21.2	-.23
		45.3	-.10	-.13	-.14	-.14	-.15	46.5	-.16
		60.3	-.10	-.11	-.11	-.10	-.12	——	——
		80.3	-.06	-.06	-.06	-.05	-.05	——	——
		90.3	-.05	-.03	-.01	-.01	-.01	——	——
	Lower	2.6	——	.04	.04	.06	.08	3.7	.12
		7.7	0	-.02	-.03	——	.01	——	——
		20.2	-.01	-.06	-.06	-.06	-.04	21.3	0
		35.2	-.03	-.07	-.07	-.06	-.05	——	——
		50.2	-.05	-.07	-.07	-.06	-.05	——	——
		65.2	-.05	-.06	-.05	-.04	-.03	——	——
		85.2	-.03	-.03	-.11	——	——	——	——
	c_n	——	.036	.065	.088	.105	.135	——	——

TABLE V.- CONTINUED

(b) α_u, 3, 4, 5, 6, 8, 10

α_u	Surface	x_c	P					x_o for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
3	Upper	0	----	0.03	-0.13	-0.16	----	0	-0.35
		1.5	----	-.24	-.41	-.53	-0.76	2.4	-.40
		5.2	-0.05	-.25	-.34	-.43	-.63	6.2	-.82
		10.3	-.05	-.21	-.29	-.35	-.37	10.9	-.55
		15.2	-.05	-.20	-.25	-.27	-.33	16.7	-.44
		30.3	-.09	-.17	-.19	-.22	-.24	21.2	-.31
		45.3	-.11	-.15	-.16	-.17	-.18	46.5	-.22
		60.3	-.11	-.12	-.12	-.12	-.14	----	----
		80.3	-.07	-.07	-.06	-.06	-.06	----	----
		90.3	-.05	-.03	-.02	-.01	-.01	----	----
	Lower	2.6	----	.09	.10	.12	.13	3.7	.16
		7.7	.01	.02	.02	----	.07	----	----
		20.2	.01	-.03	-.03	-.02	-.01	21.3	.05
		35.2	-.02	-.05	-.05	-.04	-.02	----	----
		50.2	-.03	-.05	-.05	-.03	-.02	----	----
		65.2	-.04	-.05	-.03	-.03	-.01	----	----
		85.2	-.03	-.02	-.12	----	----	----	----
	c_n	----	.056	.105	.135	.160	.212	----	----
4	Upper	0	----	-.07	-.34	-.42	----	0	-.52
		1.5	----	-.34	-.58	-.70	-.96	2.4	-.40
		5.2	-.06	-.30	-.45	-.61	-.76	6.2	-.78
		10.3	-.06	-.26	-.32	-.39	-.47	10.9	-.72
		15.2	-.06	-.21	-.28	-.34	-.42	16.7	-.69
		30.3	-.09	-.19	-.22	-.25	-.30	21.2	.66
		45.3	-.13	-.16	-.19	-.19	-.22	46.5	-.56
		60.3	-.12	-.14	-.14	-.14	-.16	----	----
		80.3	-.07	-.07	-.07	-.07	-.07	----	----
		90.3	-.05	-.09	-.02	-.11	-.02	----	----
	Lower	2.6	----	.12	.13	.15	.15	3.7	.16
		7.7	.02	.05	.06	----	.12	----	----
		20.2	.02	-.01	0	.01	.04	21.3	.09
		35.2	0	-.03	-.03	-.01	.01	----	----
		50.2	-.02	-.04	-.03	-.01	0	----	----
		65.2	-.02	-.04	-.02	-.01	0	----	----
		85.2	-.02	-.02	-.11	----	----	----	----
	c_n	----	.082	.137	.180	.214	.276	----	----
5	Upper	0	----	-.20	-.60	-.76	----	0	-.63
		1.5	----	-.45	-.76	-1.00	-1.19	2.4	-.40
		5.2	-.06	-.37	-.52	-.59	-1.18	6.2	-.73
		10.3	-.06	-.27	-.39	-.47	-.86	10.9	-.70
		15.2	-.07	-.24	-.33	-.40	-.53	16.7	-.70
		30.3	-.10	-.21	-.25	-.29	-.31	21.2	-.70
		45.3	-.14	-.18	-.20	-.22	-.24	46.5	-.75
		60.3	-.13	-.15	-.15	-.16	-.17	----	----
		80.3	-.08	-.08	-.08	-.08	-.07	----	----
		90.3	-.06	-.04	-.03	-.02	-.02	----	----
	Lower	2.6	----	.15	.15	.15	.14	3.7	.14
		7.7	.03	.08	.09	----	.15	----	----
		20.2	.03	.01	.03	.04	.07	21.3	-.11
		35.2	.01	-.01	-.01	.01	.03	----	----
		50.2	-.01	-.02	-.01	0	.02	----	----
		65.2	-.01	-.03	-.01	0	.02	----	----
		85.2	-.01	-.01	-.08	----	----	----	----
	c_n	----	.098	.175	.222	.261	.360	----	----

α_u	Surface	x_c	P					x_o for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
6	Upper	0	----	-0.34	-0.90	-1.17	----	0	-0.78
		1.5	----	-.55	-.99	-1.33	-1.65	2.4	-.45
		5.2	-0.06	-.41	-.59	-.77	-1.53	6.2	-.77
		10.3	-.06	-.31	-.44	-.55	-1.04	10.9	-.75
		15.2	-.07	-.27	-.37	-.46	-.48	16.7	-.76
		30.3	-.11	-.22	-.27	-.33	-.34	21.2	-.75
		45.3	-.14	-.19	-.21	-.24	-.25	46.5	-.84
		60.3	-.13	-.15	-.16	-.17	-.18	----	----
		80.3	-.08	-.08	-.08	-.09	-.07	----	----
		90.3	-.06	-.04	-.03	-.02	-.02	----	----
	Lower	2.6	----	.18	.17	.15	.11	3.7	.11
		7.7	.04	.11	.12	----	.18	----	----
		20.2	.04	.04	.06	.07	.11	21.3	.14
		35.2	.03	.01	.02	.04	.07	----	----
		50.2	.01	0	.01	.03	.04	----	----
		65.2	.01	-.01	.01	.02	.04	----	----
		85.2	0	0	-.07	----	----	----	----
	c_n	----	.114	.206	.264	.315	.418	----	----
8	Upper	0	----	-.75	-1.71	-2.07	----	0	-.64
		1.5	----	-.86	-1.70	-1.63	-1.19	2.4	-.33
		5.2	-.07	-.54	-.83	-1.08	-1.21	6.2	-.54
		10.3	-.07	-.39	-.59	-.72	-1.26	10.9	-.53
		15.2	-.09	-.34	-.49	-.58	-1.40	16.7	-.53
		30.3	-.14	-.27	-.35	-.39	-1.40	21.2	-.51
		45.3	-.17	-.23	-.27	-.28	-.39	46.5	-.48
		60.3	-.17	-.19	-.20	-.20	-.08	----	----
		80.3	-.09	-.10	-.10	-.10	-.03	----	----
		90.3	-.07	-.05	-.04	-.04	-.02	----	----
	Lower	2.6	----	.21	.14	.09	.05	3.7	.02
		7.7	.06	.16	.17	----	.20	----	----
		20.2	.07	.09	.10	.13	.15	21.3	.16
		35.2	.06	.05	.06	.09	.10	----	----
		50.2	.04	.03	.04	.06	.09	----	----
		65.2	.03	.03	.03	.04	.06	----	----
		85.2	.02	.02	-.07	----	----	----	----
	c_n	----	.162	.265	.370	.405	.667	----	----
10	Upper	0	----	-1.26	-2.67	-1.78	----	0	-.48
		1.5	----	-1.29	-2.33	-1.44	-1.02	2.4	-.27
		5.2	-.08	-.68	-1.06	-1.45	-1.02	6.2	-.43
		10.3	-.09	-.48	-.77	-1.72	-1.05	10.9	-.43
		15.2	-.10	-.41	-.64	-1.77	-1.06	16.7	-.42
		30.3	-.16	-.33	-.49	-1.43	-1.29	21.2	-.46
		45.3	-.20	-.27	-.35	-.20	-1.31	46.5	-.45
		60.3	-.18	-.21	-.24	-.15	-.81	----	----
		80.3	-.10	-.11	-.13	-.10	-.45	----	----
		90.3	-.07	-.06	-.06	-.05	-.35	----	----
	Lower	2.6	----	.22	.08	.04	0	3.7	.04
		7.7	.08	.21	.20	----	.20	----	----
		20.2	.10	.14	.16	.17	.18	21.3	.15
		35.2	.10	.09	.10	.12	.13	----	----
		50.2	.08	.07	.08	.09	.09	----	----
		65.2	.06	.05	.05	.06	.06	----	----
		85.2	.03	.03	-.06	----	----	----	----
	c_n	----	.196	.385	.494	.706	.964	----	----

TABLE V.- CONCLUDED

(c) α_u, 12, 14, 16, 18, 20, 22, 24

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
12	Upper	0	----	-1.92	-2.29	-1.38	----	0	-0.53
		1.5	----	-1.47	-2.08	-1.33	-0.89	2.4	-.34
		5.2	-0.10	-.84	-2.27	-1.38	-.89	6.2	-.49
		10.3	-.10	-.60	-2.09	-1.44	-.88	10.9	-.48
		15.2	-.12	-.53	-.68	-1.56	-.88	16.7	-.49
		30.3	-.19	-.39	-.36	-1.75	-.79	21.2	-.48
		45.3	-.22	-.31	-.29	-.35	-.92	46.5	-.46
		60.3	-.20	-.23	-.22	-.20	-.88	----	----
		80.3	-.12	-.13	-.14	-.18	-.68	----	----
		90.3	-.09	-.07	-.08	-.11	-.57	----	----
	Lower	2.6	----	.21	.03	0	-.05	3.7	-.04
		7.7	.10	.25	.23	----	.20	----	----
		20.2	.13	.19	.19	.20	.20	21.3	.16
		35.2	.14	.14	.14	.16	.15	----	----
		50.2	.11	.10	.10	.11	.10	----	----
		65.2	.09	.07	.07	.07	.07	----	----
		85.2	.09	.04	-.09	----	----	----	----
		c_n	----	.241	.446	.591	.852	.873	----	----
14	Upper	0	----	-2.63	-1.73	-1.26	----	0	-.50
		1.5	----	-1.75	-1.73	-1.29	-.81	2.4	-.35
		5.2	-.10	-.99	-1.83	-1.32	-.81	6.2	-.47
		10.3	-.11	-.77	-2.37	-1.38	-.82	10.9	-.47
		15.2	-.13	-.69	-2.49	-1.36	-.82	16.7	-.47
		30.3	-.21	-.43	-.41	-1.83	-.81	21.2	-.46
		45.3	-.25	-.33	-.26	-1.23	-.81	46.5	-.45
		60.3	-.21	-.25	-.23	-.74	-.80	----	----
		80.3	-.12	.07	-.17	-.40	-.70	----	----
		90.3	-.10	-.09	-.09	-.27	-.62	----	----
	Lower	2.6	----	.19	-.01	-.06	-.10	3.7	-.09
		7.7	.13	.29	.25	----	.19	----	----
		20.2	.17	.24	.24	.23	.22	21.3	0
		35.2	.18	.19	.18	.19	.17	----	----
		50.2	.16	.14	.14	.14	.12	----	----
		65.2	.14	.10	.10	.10	.08	----	----
		85.2	.07	.06	-.04	----	----	----	----
		c_n	----	.293	.545	.780	1.089	.845	----	----
16	Upper	0	----	-3.24	-1.69	-1.29	----	0	-.48
		1.5	----	-3.15	-1.74	-1.32	-.87	2.4	-.36
		5.2	-.11	-1.07	-1.85	-1.31	-.87	6.2	-.47
		10.3	-.12	-.76	-1.91	-1.30	-.87	10.9	-.47
		15.2	-.14	-.67	-2.63	-1.27	-.87	16.7	-.48
		30.3	-.24	-.55	-1.03	-1.30	-.83	21.2	-.48
		45.3	-.27	-.38	-.36	-1.33	-.79	46.5	-.46
		60.3	-.21	-.28	-.35	-.96	-.75	----	----
		80.3	-.14	-.18	-.22	-.62	-.70	----	----
		90.3	-.11	-.10	-.13	-.46	-.63	----	----
	Lower	2.6	----	.16	-.08	-.13	-.19	3.7	-.13
		7.7	.17	.33	.26	----	.17	----	----
		20.2	.20	.29	.27	.26	.23	21.3	.17
		35.2	.23	.23	.22	.22	.19	----	----
		50.2	.19	.18	.17	.17	.14	----	----
		65.2	.16	.14	.13	.12	.09	----	----
		85.2	.10	.08	-.03	----	----	----	----
		c_n	----	.340	.645	.942	1.127	.852	----	----

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
18	Upper	0	----	-3.43	-1.71	-1.22	----	0	-0.50
		1.5	----	-2.52	-1.76	-1.25	-0.87	2.4	-.40
		5.2	-0.14	-1.98	-1.92	-1.25	-.88	6.2	-.49
		10.3	-.15	-.99	-1.89	-1.27	-.90	10.9	-.49
		15.2	-.18	-.76	-2.17	-1.24	-.89	16.7	-.51
		30.3	-.29	-.54	-1.81	-1.27	-.87	21.2	-.50
		45.3	-.30	-.40	-.81	-1.28	-.82	46.5	-.48
		60.3	-.24	-.35	-.57	-1.04	-.78	----	----
		80.3	-.17	-.23	-.36	-.77	-.72	----	----
		90.3	-.15	-.14	-.24	-.62	-.66	----	----
	Lower	2.6	----	.11	-.16	-.18	-.26	3.7	-.20
		7.7	.19	.36	.25	----	.15	----	----
		20.2	.24	.33	.30	.28	.24	21.3	.16
		35.2	.26	.27	.25	.24	.20	----	----
		50.2	.23	.21	.19	.18	.15	----	----
		65.2	.18	.16	.14	.12	.09	----	----
		85.2	.11	.09	-.03	----	----	----	----
		c_n	----	.395	.737	1.169	1.164	.887	----	----
20	Upper	0	----	-3.47	-1.90	-1.28	----	0	-.49
		1.5	----	-3.22	-1.94	-1.32	-.87	2.4	-.42
		5.2	-.15	-3.92	-1.93	-1.31	-.88	6.2	-.49
		10.3	-.17	-.92	-1.91	-1.31	-.91	10.9	-.49
		15.2	-.22	-.75	-1.77	-1.28	-.91	16.7	-.50
		30.3	-.31	-.59	-2.09	-1.19	-.88	21.2	-.49
		45.3	-.29	-.45	-1.17	-1.24	-.82	46.5	-.47
		60.3	-.23	-.41	-.79	-1.09	-.78	----	----
		80.3	-.18	-.25	-.48	-.86	-.71	----	----
		90.3	-.16	-.17	-.34	-.69	-.65	----	----
	Lower	2.6	----	.07	-.25	-.27	-.33	3.7	-.24
		7.7	.23	.39	.26	----	.13	----	----
		20.2	.28	.38	.34	.30	.25	21.3	-.01
		35.2	.31	.32	.29	.27	.23	----	----
		50.2	.28	.26	.23	.22	.18	----	----
		65.2	.23	.20	.18	.15	.11	----	----
		85.2	.14	.12	-.02	----	----	----	----
		c_n	----	.434	.900	1.318	1.202	.898	----	----
22	Upper	0	----	-3.36	-1.95	-1.30	----	0	-.50
		1.5	----	-3.41	-1.95	-1.32	-.87	2.4	-.43
		5.2	-.19	-4.53	-1.87	-1.34	-.90	6.2	-.50
		10.3	-.22	-1.64	-1.78	-1.35	-.93	10.9	-.50
		15.2	-.26	-.96	-1.72	-1.32	-.92	16.7	-.51
		30.3	-.37	-.66	-1.97	-1.24	-.87	21.2	-.49
		45.3	-.33	-.60	-1.37	-1.24	-.85	46.5	-.48
		60.3	-.27	-.50	-.99	-1.12	-.81	----	----
		80.3	-.23	-.31	-.64	-.92	-.75	----	----
		90.3	-.21	-.22	-.46	-.77	-.70	----	----
	Lower	2.6	----	.01	.33	-.34	-.41	3.7	-.29
		7.7	.27	.41	.25	----	.10	----	----
		20.2	.32	.42	.36	.32	.26	21.3	-.01
		35.2	.35	.36	.32	.29	.24	----	----
		50.2	.31	.30	.26	.24	.19	----	----
		65.2	.26	.23	.20	.16	.12	----	----
		85.2	.16	.13	-.02	----	----	----	----
		c_n	----	.531	1.059	1.402	1.253	.922	----	----

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
24	Upper	0	----	-3.46	-1.88	-1.29	----	0	-0.53
		1.5	----	-3.55	-1.87	-1.32	-0.87	2.4	-.48
		5.2	-0.23	-4.44	-1.87	-1.37	-.91	6.2	-.54
		10.3	-.26	-2.48	-1.86	-1.34	-.92	10.9	-.55
		15.2	-.31	-1.29	-1.81	-1.31	-.92	16.7	-.56
		30.3	-.42	-.81	-1.92	-1.29	-.93	21.2	-.54
		45.3	-.37	-.73	-1.47	-1.28	-.91	46.5	-.53
		60.3	-.29	-.55	-1.11	-1.15	-.86	----	----
		80.3	-.29	-.40	-.76	-.95	-.77	----	----
		90.3	-.27	-.28	-.56	-.79	-.72	----	----
	Lower	2.6	----	-.05	-.39	-.40	-.47	3.7	-.35
		7.7	.30	.42	.24	----	.07	----	----
		20.2	.36	.46	.38	.33	.26	21.3	.14
		35.2	.38	.40	.35	.31	.25	----	----
		50.2	.35	.33	.29	.26	.20	----	----
		65.2	.29	.25	.22	.18	.13	----	----
		85.2	.18	.14	-.01	----	----	----	----
		c_n	----	.607	1.256	1.483	1.209	.945	----	----

TABLE VI.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0005-63 SECTION. M, 0.60; R, 3.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
-3	Upper	0	----	0.10	0.01	-0.13	----	0	-0.41
		1.5	----	.14	.14	.13	0.15	2.4	-.05
		5.2	-0.01	.03	.04	.05	.09	6.2	.13
		10.3	0	0	0	.01	.04	10.9	.10
		15.2	.01	-.02	-.03	-.01	.01	16.7	.06
		30.3	.01	-.04	-.05	-.04	-.02	21.2	.03
		45.3	-.03	-.05	-.05	-.04	-.02	46.5	.02
		60.3	-.04	-.04	-.04	-.03	-.01	----	----
		80.3	-.03	-.03	-.02	0	.01	----	----
		90.3	-.02	-.01	.01	.03	.03	----	----
	Lower	2.6	----	-.23	-.39	-.49	-.62	3.7	-.78
		7.7	-.02	-.20	-.29	----	-.61	----	----
		20.2	-.03	-.17	-.22	-.25	-.29	21.3	-.37
		35.2	-.09	-.16	-.18	-.20	-.22	----	----
		50.2	-.11	-.13	-.15	-.15	-.17	----	----
		65.2	-.10	-.11	-.11	-.10	-.10	----	----
		85.2	-.06	-.05	-.04	----	----	----	----
	c_n	----	-.050	-.102	-.126	-.153	-.214	----	----
-2	Upper	0	----	.15	.11	.04	----	0	.14
		1.5	----	.10	.11	.08	.13	2.4	-.01
		5.2	-.02	-.01	-.01	0	.04	6.2	.07
		10.3	-.01	-.03	-.05	-.04	-.02	10.9	.03
		15.2	0	-.04	-.06	-.06	-.04	16.7	0 0
		30.3	-.01	-.07	-.08	-.07	-.06	21.2	-.02
		45.3	-.05	-.07	-.07	-.07	-.05	46.5	-.02
		60.3	-.05	-.07	-.06	-.05	-.03	----	----
		80.3	-.03	-.03	-.02	-.02	-.04	----	----
		90.3	-.03	-.01	-.01	.02	.03	----	----
	Lower	2.6	----	-.16	-.28	-.35	-.47	3.7	-.67
		7.7	-.02	-.16	-.23	----	-.37	----	----
		20.2	-.03	-.15	-.20	-.21	-.23	21.3	-.27
		35.2	-.08	-.14	-.15	-.16	-.18	----	----
		50.2	-.10	-.12	-.13	-.13	-.13	----	----
		65.2	-.09	-.10	-.09	-.09	-.08	----	----
		85.2	-.05	-.05	-.04	----	----	----	----
	c_n	----	-.020	-.065	-.082	-.095	-.141	----	----
-1	Upper	0	----	.17	.16	.16	----	0	.08
		1.5	----	.06	.05	.01	.06	2.4	-.03
		5.2	-.03	-.04	-.06	-.06	-.04	6.2	-.02
		10.3	-.05	-.07	-.09	-.09	-.08	10.9	-.04
		15.2	-.03	-.08	-.10	-.10	-.09	16.7	-.07
		30.3	-.03	-.09	-.10	-.10	-.10	21.2	-.07
		45.3	-.07	-.09	-.10	-.09	-.08	46.5	-.05
		60.3	-.07	-.08	-.08	-.07	-.05	----	----
		80.3	-.04	-.04	-.03	-.02	-.01	----	----
		90.3	-.03	-.02	0	.02	.02	----	----
	Lower	2.6	----	-.10	-.18	-.22	-.29	3.7	-.43
		7.7	-.01	-.12	-.17	----	-.28	----	----
		20.2	-.02	-.13	-.15	-.17	-.19	21.3	-.19
		35.2	-.07	-.12	-.14	-.15	-.14	----	----
		50.2	-.09	-.10	-.11	-.11	-.11	----	----
		65.2	-.08	-.09	-.08	-.07	-.06	----	----
		85.2	-.05	-.03	-.06	----	----	----	----
	c_n	----	-.012	-.022	-.034	-.045	-.065	----	----

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
0	Upper	0	----	0.17	0.16	0.18	----	0	0.17
		1.5	----	0	-.03	-.09	-0.07	2.4	-.14
		5.2	-0.03	-.09	-.12	-.14	-.14	6.2	-.17
		10.3	-.03	-.10	-.14	-.15	-.15	10.9	-.15
		15.2	-.03	-.11	-.14	-.15	-.15	16.7	-.15
		30.3	-.04	-.11	-.14	-.14	-.14	21.2	-.13
		45.3	-.08	-.11	-.11	-.11	-.10	46.5	-.10
		60.3	-.08	-.09	-.09	-.09	-.07	----	----
		80.3	-.05	-.05	-.04	-.03	-.02	----	----
		90.3	-.04	-.03	0	.01	.02	----	----
	Lower	2.6	----	-.05	-.09	-.10	-.13	3.7	-.17
		7.7	-.01	-.12	----	----	-.23	----	----
		20.2	-.02	-.11	-.13	-.13	-.14	21.3	-.12
		35.2	-.06	-.11	-.12	-.12	-.12	----	----
		50.2	-.08	-.10	-.10	-.10	-.09	----	----
		65.2	-.08	-.08	-.07	-.07	-.05	----	----
		85.2	-.05	-.04	-.07	----	----	----	----
	c_n	----	0	0	0	0	0	----	----
1	Upper	0	----	.16	.12	.14	----	0	.12
		1.5	----	-.06	-.13	-.21	-.26	2.4	-.18
		5.2	.04	-.13	-.18	-.22	-.26	6.2	-.36
		10.3	-.04	-.13	-.18	-.21	-.23	10.9	-.29
		15.2	-.04	-.13	-.17	-.19	-.21	16.7	-.26
		30.3	-.04	-.13	-.15	-.16	-.19	21.2	-.19
		45.3	-.09	-.12	-.14	-.13	-.13	46.5	-.13
		60.3	-.09	-.11	-.09	-.08	-.08	----	----
		80.3	-.06	-.06	-.05	-.04	-.03	----	----
		90.3	-.05	-.03	-.01	0	.01	----	----
	Lower	2.6	----	.01	-.01	0	0	3.7	.02
		7.7	0	-.05	-.07	----	-.29	----	----
		20.2	-.01	-.08	-.10	-.10	-.09	21.3	-.05
		35.2	-.04	-.09	-.10	-.10	-.08	----	----
		50.2	-.07	-.08	-.09	-.08	-.07	----	----
		65.2	-.07	-.08	-.06	-.06	-.03	----	----
		85.2	-.04	-.03	-.07	----	----	----	----
	c_n	----	.024	.036	.045	.054	.073	----	----
2	Upper	0	----	.12	.04	.04	----	0	-.06
		1.5	----	-.13	-.25	-.35	-0.49	2.4	-.26
		5.2	-.04	-.18	-.26	-.32	-.38	6.2	-.61
		10.3	-.04	-.17	-.23	-.27	-.31	10.9	-.40
		15.2	-.04	-.16	-.21	-.25	-.27	16.7	-.32
		30.3	-.06	-.14	-.17	-.24	-.22	21.2	-.24
		45.3	-.10	-.13	-.13	-.14	-.15	46.5	-.18
		60.3	-.10	-.11	-.11	-.11	-.11	----	----
		80.3	-.07	-.07	-.06	-.05	-.04	----	----
		90.3	-.05	-.03	-.01	0	0	----	----
	Lower	2.6	----	.06	.05	.07	.09	3.7	.12
		7.7	.01	-.02	-.03	----	-.17	----	----
		20.2	0	-.06	-.06	-.06	-.04	21.3	.01
		35.2	-.03	-.07	-.06	-.07	-.05	----	----
		50.2	-.05	-.07	-.06	-.06	-.04	----	----
		65.2	-.05	-.06	-.05	-.04	-.02	----	----
		85.2	-.03	-.03	-.08	----	----	----	----
	c_n	----	.041	.066	.089	.117	.146	----	----

TABLE VI.- CONTINUED

(b) α_u, 3, 4, 5, 6, 8, 10

α_u	Surface	δ_c	P					δ_c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
3	Upper	0	----	0.05	-0.11	-0.15	----	0	-0.30
		1.5	----	-.23	-.41	-.54	-0.75	2.4	-.38
		5.2	-0.05	-.24	-.35	-.44	-.67	6.2	-.78
		10.3	-.05	-.21	-.30	-.37	-.38	10.9	-.69
		15.2	-.05	-.19	-.26	-.29	-.35	16.7	-.65
		30.3	-.07	-.17	-.20	-.23	-.27	21.2	-.46
		45.3	-.11	-.15	-.16	-.18	-.19	46.5	-.23
		60.3	-.11	-.13	-.13	-.12	-.13	----	----
		80.3	-.08	-.08	-.07	-.06	-.06	----	----
		90.3	-.06	-.04	-.02	-.01	-.01	----	----
	Lower	2.6	----	.09	.10	.11	.13	3.7	.16
		7.7	.01	.01	.01	----	-.12	----	----
		20.2	.01	-.03	-.04	-.02	-.01	21.3	.06
		35.2	-.02	-.05	-.05	-.04	-.02	----	----
		50.2	-.04	-.05	-.05	-.04	-.02	----	----
		65.2	-.04	-.05	-.04	-.30	0	----	----
		85.2	-.03	-.03	-.06	----	----	----	----
	c_n	----	.057	.106	.131	.171	.211	----	----
4	Upper	0	----	-.04	-.31	-.40	----	0	-.44
		1.5	----	-.33	-.58	-.71	-0.94	2.4	-.36
		5.2	-.05	-.29	-.47	-.65	-.72	6.2	-.73
		10.3	-.05	-.25	-.33	-.39	-.75	10.9	-.69
		15.2	-.05	-.21	-.29	-.35	-.43	16.7	-.68
		30.3	-.08	-.19	-.23	-.26	-.32	21.2	-.68
		45.3	-.13	-.17	-.18	-.20	-.22	46.5	-.67
		60.3	-.12	-.14	-.14	-.14	-.15	----	----
		80.3	-.08	-.09	-.08	-.07	-.07	----	----
		90.3	-.06	-.04	-.02	-.02	-.02	----	----
	Lower	2.6	----	.13	.13	.14	.15	3.7	.17
		7.7	.02	.05	.05	----	-.08	----	----
		20.2	.02	-.01	-.01	-.01	.03	21.3	.09
		35.2	0	-.03	-.03	-.02	.01	----	----
		50.2	-.02	-.03	-.03	-.02	0	----	----
		65.2	-.03	-.04	-.02	-.01	.01	----	----
		85.2	-.02	-.02	-.06	----	----	----	----
	c_n	----	.077	.143	.183	.218	.290	----	----
5	Upper	0	----	-.17	-.57	-.73	----	0	-.57
		1.5	----	-.44	-.76	-1.04	-1.07	2.4	-.35
		5.2	-.05	-.36	-.56	-.60	-1.07	6.2	-.68
		10.3	-.04	-.27	-.40	-.49	-1.02	10.9	-.66
		15.2	-.05	-.24	-.34	-.42	-.89	16.7	-.66
		30.3	-.09	-.21	-.26	-.31	-.31	21.2	-.64
		45.3	-.14	-.18	-.21	-.23	-.22	46.5	-.65
		60.3	-.13	-.15	-.16	-.16	-.15	----	----
		80.3	-.09	-.09	-.08	-.08	-.06	----	----
		90.3	-.06	-.04	-.03	-.02	-.01	----	----
	Lower	2.6	----	.16	.16	.16	.15	3.7	.15
		7.7	.03	.06	.09	----	-.06	----	----
		20.2	.04	.02	.02	.04	.07	21.3	.12
		35.2	.02	-.01	0	.01	.04	----	----
		50.2	-.01	-.02	-.01	.01	.02	----	----
		65.2	-.01	-.02	-.01	0	.03	----	----
		85.2	-.01	-.01	-.05	----	----	----	----
	c_n	----	.097	.150	.226	.272	.383	----	----

α_u	Surface	δ_c	P					δ_c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
6	Upper	0	----	-0.32	0.12	-1.11	----	0	-0.63
		1.5	----	-.56	-1.03	-1.44	-1.04	2.4	-.35
		5.2	-0.06	-.42	-.62	-.82	-1.04	6.2	-.63
		10.3	-.05	-.32	-.47	-.59	-1.06	10.9	-.61
		15.2	-.06	-.28	-.40	-.50	-1.11	16.7	-.61
		30.3	-.11	-.24	-.30	-.36	-.97	21.2	-.59
		45.3	-.16	-.21	-.24	-.27	-.15	46.5	-.55
		60.3	-.15	-.17	-.18	-.18	-.10	----	----
		80.3	-.09	-.10	-.09	-.09	-.04	----	----
		90.3	-.06	-.05	-.03	-.03	0	----	----
	Lower	2.6	----	.19	.17	.16	.13	3.7	.13
		7.7	.05	.12	.12	----	-.05	----	----
		20.2	.05	.05	.06	.07	.10	21.3	.14
		35.2	.04	.01	.02	.04	.06	----	----
		50.2	.01	.01	.01	.03	.04	----	----
		65.2	0	-.01	.01	.02	.04	----	----
		85.2	0	0	-.03	----	----	----	----
	c_n	----	.124	.224	.291	.348	.499	----	----
8	Upper	0	----	-.69	-1.55	-1.35	----	0	-.55
		1.5	----	-.84	-1.77	-1.23	-.91	2.4	-.28
		5.2	-.07	-.54	-.86	-1.25	-.90	6.2	-.47
		10.3	-.06	-.40	-.63	-1.36	-.92	10.9	-.46
		15.2	-.08	-.33	-.52	-1.47	-.94	16.7	-.46
		30.3	-.14	-.29	-.38	-.27	-1.18	21.2	-.43
		45.3	-.18	-.25	-.29	-.22	-1.20	46.5	-.40
		60.3	-.18	-.21	-.23	-.18	-.71	----	----
		80.3	-.11	-.11	-.12	-.08	-.13	----	----
		90.3	-.07	-.06	-.05	-.02	.01	----	----
	Lower	2.6	----	.23	.17	.14	.09	3.7	.09
		7.7	.06	.17	.17	----	-.07	----	----
		20.2	.08	.09	.11	.12	.14	21.3	.15
		35.2	.07	.06	.07	.08	.10	----	----
		50.2	.05	.04	.04	.06	.07	----	----
		65.2	.03	.02	.03	.04	.06	----	----
		85.2	.01	.02	-.01	----	----	----	----
	c_n	----	.169	.308	.397	.485	.804	----	----
10	Upper	0	----	-1.14	-1.61	-1.24	----	0	-.38
		1.5	----	-1.32	-1.49	-1.05	-.84	2.4	-.20
		5.2	-.08	-.68	-1.51	-1.08	-.83	6.2	-.34
		10.3	-.08	-.50	-1.76	-1.11	-.85	10.9	-.33
		15.2	-.09	-.44	-1.07	-1.21	-.85	16.7	-.34
		30.3	-.17	-.36	-.32	-1.43	-.83	21.2	-.35
		45.3	-.22	-.29	-.28	-.62	-.93	46.5	-.36
		60.3	-.20	-.23	-.20	-.10	-.87	----	----
		80.3	-.11	-.11	-.09	-.02	-.62	----	----
		90.3	-.07	-.06	-.03	-.02	-.51	----	----
	Lower	2.6	----	.24	.14	.10	.05	3.7	.07
		7.7	.08	.22	.21	----	-.07	----	----
		20.2	.11	.15	.16	.17	.18	21.3	.16
		35.2	.11	.11	.11	.12	.13	----	----
		50.2	.09	.08	.08	.09	.09	----	----
		65.2	.07	.06	.06	.06	.06	----	----
		85.2	.04	.04	.02	----	----	----	----
	c_n	----	.218	.354	.521	.691	.860	----	----

TABLE VI.- CONCLUDED

(c) α_u, 12, 14, 16, 18, 20, 22, 24

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
12	Upper	0	----	-1.62	-1.39	-1.13	----	0	-0.48
		1.5	----	-1.72	-1.30	-1.08	-0.74	2.4	-.31
		5.2	-0.09	-.84	-1.34	-1.11	-.73	6.2	-.46
		10.3	-.09	-.60	-1.58	-1.14	-.73	10.9	-.45
		15.2	-.11	-.52	-1.61	-1.17	-.71	16.7	-.46
		30.3	-.19	-.44	-.58	-1.61	-.64	21.2	-.46
		45.3	-.25	-.35	-.23	-1.32	-.57	46.5	-.45
		60.3	-.22	-.25	-.17	-.48	-.69	----	----
		80.3	-.12	-.13	-.13	-.28	-.66	----	----
		90.3	-.09	-.08	-.10	-.26	-.58	----	----
	Lower	2.6	----	.25	.11	.06	.01	3.7	-.01
		7.7	.11	.27	.24	----	.08	----	----
		20.2	.14	.20	.20	.20	.19	21.3	.15
		35.2	.15	.15	.14	.15	.15	----	----
		50.2	.12	.11	.11	.11	.10	----	----
		65.2	.09	.08	.08	.07	.06	----	----
		85.2	.05	.04	.03	----	----	----	----
	c_n	----	.261	.473	.651	.953	.718	----	----
14	Upper	0	----	-1.98	-1.39	-1.14	----	0	-.54
		1.5	----	-2.03	-1.38	-1.15	-.72	2.4	-.39
		5.2	-.10	-1.90	-1.43	-1.17	-.71	6.2	-.52
		10.3	-.11	.54	-1.49	-1.17	-.70	10.9	-.51
		15.2	-.13	-.53	-1.71	-1.21	-.69	16.7	-.51
		30.3	-.24	-.44	-1.43	-1.12	-.69	21.2	-.49
		45.3	-.29	-.36	-.35	-1.44	-.70	46.5	-.47
		60.3	-.24	-.28	-.18	-.89	-.72	----	----
		80.3	-.14	-.18	-.22	-.61	-.67	----	----
		90.3	-.11	-.12	-.15	-.45	-.61	----	----
	Lower	2.6	----	.25	.06	-.01	-.06	3.7	-.11
		7.7	.14	.31	.25	----	-.09	----	----
		20.2	.18	.25	.23	.23	.21	21.3	.15
		35.2	.19	.19	.18	.19	.17	----	----
		50.2	.16	.15	.14	.14	.12	----	----
		65.2	.12	.11	.10	.09	.07	----	----
		85.2	.07	.06	.05	----	----	----	----
	c_n	----	.320	.585	.806	1.061	.752	----	----
16	Upper	0	----	-2.19	-1.47	-1.20	----	0	-.52
		1.5	----	-2.00	-1.49	-1.22	-.74	2.4	-.41
		5.2	-.11	-2.51	-1.52	-1.22	-.75	6.2	-.51
		10.3	-.12	-.77	-1.57	-1.19	-.76	10.9	-.50
		15.2	-.15	-.57	-1.58	-1.22	-.77	16.7	-.50
		30.3	-.28	-.49	-1.97	-.98	-.79	21.2	-.49
		45.3	-.32	-.40	-.71	-1.18	-.79	46.5	-.48
		60.3	-.25	-.30	-.30	-1.04	-.74	----	----
		80.3	-.15	-.23	-.35	-.73	-.66	----	----
		90.3	-.14	-.17	-.22	-.57	-.60	----	----
	Lower	2.6	----	.24	.01	-.07	-.13	3.7	-.16
		7.7	.17	.35	.26	----	-.11	----	----
		20.2	.21	.29	.27	.25	.22	21.3	.15
		35.2	.23	.23	.21	.21	.18	----	----
		50.2	.19	.18	.17	.16	.13	----	----
		65.2	.15	.13	.12	.11	.09	----	----
		85.2	.08	.07	.06	----	----	----	----
	c_n	----	.368	.691	1.036	1.074	.813	----	----
18	Upper	0	----	-2.24	-1.60	-1.26	----	0	-0.58
		1.5	----	-2.03	-1.62	-1.28	-0.86	2.4	-.44
		5.2	-0.14	-2.66	-1.61	-1.25	-.86	6.2	-.52
		10.3	-.15	-1.83	-1.70	-1.19	-.86	10.9	-.51
		15.2	-.19	-.85	-1.67	-1.16	-.85	16.7	-.52
		30.3	-.32	-.58	-2.85	-.95	-.83	21.2	-.51
		45.3	-.34	-.45	-1.16	-1.11	-.80	46.5	-.50
		60.3	-.26	-.36	-.69	-1.08	-.73	----	----
		80.3	-.19	-.28	-.47	-.81	-.63	----	----
		90.3	-.17	-.15	-.31	-.66	-.58	----	----
	Lower	2.6	----	.22	-.07	-.15	-.23	3.7	-.22
		7.7	.20	.38	.28	----	-.11	----	----
		20.2	.25	.34	.30	.26	.24	21.3	.16
		35.2	.28	.26	.26	.24	.21	----	----
		50.2	.24	.23	.21	.19	.16	----	----
		65.2	.20	.17	.15	.13	.10	----	----
		85.2	.11	.09	.07	----	----	----	----
	c_n	----	.438	.840	1.310	1.171	.833	----	----
20	Upper	0	----	-2.29	-1.68	-1.24	----	0	-.54
		1.5	----	-2.21	-1.69	-1.26	-.91	2.4	-.43
		5.2	-.17	-2.64	-1.66	-1.23	-.90	6.2	-.54
		10.3	-.19	-2.44	-1.91	-1.14	-.89	10.9	-.54
		15.2	-.23	-1.49	-1.81	-1.10	-.87	16.7	-.54
		30.3	-.37	-.68	-1.64	-1.01	-.85	21.2	-.54
		45.3	-.36	-.53	-1.35	-1.14	-.81	46.5	-.53
		60.3	-.26	-.41	-1.00	-1.06	-.74	----	----
		80.3	-.23	-.32	-.61	-.85	-.67	----	----
		90.3	-.21	-.21	-.44	-.73	-.63	----	----
	Lower	2.6	----	.21	-.12	-.20	-.32	3.7	-.27
		7.7	.24	.41	.28	----	-.13	----	----
		20.2	.29	.38	.33	.30	.25	21.3	.15
		35.2	.32	.32	.29	.27	.22	----	----
		50.2	.28	.27	.23	.21	.17	----	----
		65.2	.23	.20	.18	.15	.11	----	----
		85.2	.13	.11	.08	----	----	----	----
	c_n	----	.502	.793	1.180	1.149	.856	----	----
22	Upper	0	----	-2.41	-1.70	-1.18	----	0	-.56
		1.5	----	-2.37	-1.72	-1.22	-.88	2.4	-.50
		5.2	.20	-2.57	-1.68	-1.22	-.88	6.2	-.56
		10.3	-.22	-2.69	-1.79	-1.20	-.88	10.9	-.56
		15.2	-.27	-1.97	-1.66	-1.19	-.88	16.7	-.57
		30.3	-.42	-.83	-1.39	-1.14	-.87	21.2	-.56
		45.3	-.38	-.58	-1.43	-1.07	-.82	46.5	-.54
		60.3	-.30	-.57	-1.02	-1.01	-.77	----	----
		80.3	-.26	-.37	-.73	-.87	-.70	----	----
		90.3	-.25	-.29	-.57	-.75	-.66	----	----
	Lower	2.6	----	.18	-.17	-.25	-.37	3.7	-.33
		7.7	.28	.45	.29	----	-.14	----	----
		20.2	.34	.43	.37	.32	.26	21.3	.15
		35.2	.37	.37	.32	.30	.24	----	----
		50.2	.32	.31	.27	.24	.20	----	----
		65.2	.27	.24	.21	.17	.13	----	----
		85.2	.16	.13	.09	----	----	----	----
	c_n	----	.580	1.163	1.444	1.260	.881	----	----
24	Upper	0	----	-2.64	-1.83	-1.37	----	0	-0.59
		1.5	----	-2.64	-1.85	-1.39	-0.96	2.4	-.54
		5.2	-0.22	-2.67	-1.76	-1.37	-.97	6.2	-.60
		10.3	-.25	-2.99	-1.78	-1.32	-.98	10.9	-.60
		15.2	-.31	-2.31	-1.63	-1.28	-.98	16.7	-.60
		30.3	-.47	-.99	-1.65	-1.19	-.95	21.2	-.59
		45.3	-.42	-.78	-1.48	-1.15	-.90	46.5	-.57
		60.3	-.33	-.63	-1.17	-1.12	-.83	----	----
		80.3	-.35	-.49	-.89	-.97	-.76	----	----
		90.3	-.33	-.31	-.70	-.85	-.72	----	----
	Lower	2.6	----	.17	-.24	-.35	-.47	3.7	-.39
		7.7	.31	.46	.27	----	.17	----	----
		20.2	.37	.47	.38	.33	.26	21.3	.13
		35.2	.40	.40	.35	.31	.25	----	----
		50.2	.36	.34	.29	.26	.20	----	----
		65.2	.29	.27	.22	.18	.13	----	----
		85.2	.18	.14	.09	----	----	----	----
	c_n	----	.658	1.321	1.510	1.461	.949	----	----

NACA

TABLE VII.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0005-63 SECTION. M, 0.80; R, 3.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
-3	Upper	0	----	0.12	0	-0.14	----	0	-0.37
		1.5	----	.14	.13	.12	0.14	2.4	-.09
		5.2	-0.02	.03	.03	.04	.07	6.2	.13
		10.3	0	0	-.02	0	.03	10.9	.09
		15.2	.01	-.03	-.04	-.03	0	16.7	.06
		30.3	.01	-.06	-.06	-.06	-.03	21.2	.02
		45.3	-.04	-.07	-.07	-.05	-.03	46.5	.01
		60.3	-.06	-.07	-.06	-.04	-.03	----	----
		80.3	-.04	-.04	-.03	-.01	.01	----	----
		90.3	-.03	-.02	.01	.02	.03	----	----
	Lower	2.6	----	-.24	-.42	-.53	-.67	3.7	-.76
		7.7	-.03	-.22	-.32	----	-.66	----	----
		20.2	-.04	-.19	-.25	-.29	-.33	21.3	-.53
		35.2	-.11	-.19	-.22	-.24	-.27	----	----
		50.2	-.14	-.18	-.18	-.19	-.21	----	----
		65.2	-.13	-.15	-.14	-.13	-.13	----	----
		85.2	-.08	-.07	-.16	----	----	----	----
	c_n	----	-.061	-.110	-.138	-.172	-.235	----	----
-2	Upper	0	----	.16	.10	.02	----	0	-.13
		1.5	----	.11	.10	.07	.12	2.4	-.05
		5.2	-.02	0	-.02	0	.02	6.2	.08
		10.3	-.01	-.04	-.05	-.04	-.02	10.9	.04
		15.2	0	-.05	-.07	-.07	-.04	16.7	.01
		30.3	0	-.08	-.09	-.09	-.07	21.2	-.02
		45.3	-.06	-.09	-.09	-.08	-.06	46.5	-.02
		60.3	-.07	-.08	-.07	-.06	-.04	----	----
		80.3	-.05	-.05	-.04	-.02	0	----	----
		90.3	-.04	-.02	0	.02	.02	----	----
	Lower	2.6	----	-.17	-.31	-.39	-.52	3.7	-.73
		7.7	-.02	-.18	-.26	----	-.42	----	----
		20.2	-.03	-.18	-.23	-.25	-.27	21.3	-.32
		35.2	-.10	-.17	-.19	-.20	-.22	----	----
		50.2	-.13	-.15	-.17	-.16	-.17	----	----
		65.2	-.12	-.13	-.12	-.12	-.11	----	----
		85.2	-.07	-.06	-.16	----	----	----	----
	c_n	----	-.044	-.058	-.093	-.116	-.154	----	----
-1	Upper	0	----	.18	.15	.15	----	0	.08
		1.5	----	.07	.05	0	.06	2.4	-.05
		5.2	-.03	-.04	-.07	-.07	-.07	6.2	-.02
		10.3	-.02	-.07	-.10	-.10	-.09	10.9	-.05
		15.2	-.01	-.08	-.11	-.11	-.10	16.7	-.07
		30.3	-.01	-.10	-.11	-.12	-.11	21.2	-.07
		45.3	-.07	-.10	-.11	-.10	-.09	46.5	-.05
		60.3	-.08	-.10	-.09	-.08	-.07	----	----
		80.3	-.05	-.06	-.04	-.03	-.01	----	----
		90.3	-.03	-.02	.01	.03	.02	----	----
	Lower	2.6	----	-.10	-.19	-.23	-.32	3.7	-.48
		7.7	-.01	-.13	-.19	----	-.27	----	----
		20.2	-.01	-.14	-.18	-.19	-.21	21.3	-.23
		35.2	-.07	-.14	-.16	-.18	-.18	----	----
		50.2	-.11	-.13	-.14	-.14	-.13	----	----
		65.2	-.10	-.11	-.09	-.09	-.07	----	----
		85.2	-.06	-.05	-.18	----	----	----	----
	c_n	----	-.027	-.033	-.042	-.054	-.066	----	----

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
0	Upper	0	----	0.18	0.15	0.17	----	0	0.16
		1.5	----	.01	-.04	-.10	-0.08	2.4	-.17
		5.2	-0.03	-.09	-.14	-.16	-.17	6.2	-.18
		10.3	-.03	-.11	-.15	-.17	-.17	10.9	-.17
		15.2	-.02	-.12	-.15	-.17	-.17	16.7	-.17
		30.3	-.03	-.13	-.15	-.16	-.16	21.2	-.14
		45.3	-.10	-.13	-.13	-.13	-.13	46.5	-.11
		60.3	-.11	-.12	-.11	-.10	-.10	----	----
		80.3	-.06	-.07	-.04	-.03	-.03	----	----
		90.3	-.04	-.02	0	.02	.03	----	----
	Lower	2.6	----	-.04	-.11	-.12	-.15	3.7	-.19
		7.7	0	-.09	-.14	----	-.17	----	----
		20.2	-.01	-.12	-.14	-.15	-.16	21.3	-.14
		35.2	-.06	-.13	-.14	-.14	-.14	----	----
		50.2	-.09	-.12	-.12	-.12	-.11	----	----
		65.2	-.09	-.10	-.09	-.08	-.08	----	----
		85.2	-.06	-.04	-.18	----	----	----	----
	c_n	0	0	0	0	0	0	----	----
1	Upper	0	----	.17	.12	.13	----	0	.12
		1.5	----	-.06	-.13	-.22	-.27	2.4	-.16
		5.2	-.04	-.14	-.21	-.25	-.30	6.2	-.41
		10.3	-.03	-.14	-.20	-.23	-.26	10.9	-.32
		15.2	-.03	-.14	-.19	-.22	-.24	16.7	-.29
		30.3	-.05	-.15	-.18	-.19	-.20	21.2	-.22
		45.3	-.11	-.15	-.16	-.16	-.17	46.5	-.15
		60.3	-.12	-.13	-.12	-.11	-.12	----	----
		80.3	-.08	-.08	-.06	-.05	-.03	----	----
		90.3	-.05	-.03	-.01	0	.02	----	----
	Lower	2.6	----	0	-.03	-.02	-.03	3.7	.01
		7.7	0	-.06	-.09	----	-.09	----	----
		20.2	-.01	-.10	-.12	-.12	-.11	21.3	-.07
		35.2	-.05	-.11	-.12	-.12	-.11	----	----
		50.2	-.08	-.11	-.11	-.10	-.09	----	----
		65.2	-.09	-.10	-.08	-.07	-.06	----	----
		85.2	-.06	-.05	-.18	----	----	----	----
	c_n	----	.021	.053	.048	.060	.075	----	----
2	Upper	0	----	.13	.03	.04	----	0	-.05
		1.5	----	-.13	-.26	-.38	-.53	2.4	-.24
		5.2	-.04	-.19	-.28	-.35	-.43	6.2	-.65
		10.3	-.04	-.18	-.26	-.30	-.38	10.9	-.48
		15.2	-.04	-.18	-.24	-.27	-.32	16.7	-.36
		30.3	-.07	-.18	-.21	-.23	-.24	21.2	-.28
		45.3	-.12	-.16	-.17	-.18	-.19	46.5	-.21
		60.3	-.13	-.15	-.14	-.14	-.14	----	----
		80.3	-.08	-.08	-.07	-.06	-.05	----	----
		90.3	-.05	-.03	-.01	0	.01	----	----
	Lower	2.6	----	.05	.03	.05	.06	3.7	.11
		7.7	.01	-.02	-.04	----	-.04	----	----
		20.2	.01	-.07	-.08	-.08	-.06	21.3	0
		35.2	-.03	-.09	-.09	-.09	-.07	----	----
		50.2	-.06	-.09	-.09	-.08	-.06	----	----
		65.2	-.07	-.08	-.07	-.05	-.04	----	----
		85.2	-.05	-.04	-.18	----	----	----	----
	c_n	----	.044	.069	.096	.121	.152	----	----

TABLE VII.- CONTINUED

(b) α_u, 3, 4, 5, 6, 8, 10

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
3	Upper	0	----	0.08	-0.10	-0.12	----	0	-0.25
		1.5	----	-.21	-.40	-.55	-0.76	2.5	-.31
		5.2	-0.04	-.24	-.36	-.46	-.70	6.2	-.77
		10.3	-.04	-.21	-.32	-.40	-.44	10.9	-.74
		15.2	-.04	-.20	-.26	-.31	-.38	16.7	-.70
		30.3	-.08	-.19	-.23	-.26	-.29	21.2	-.59
		45.3	-.13	-.18	-.19	-.20	-.23	46.5	-.38
		60.3	-.14	-.16	-.15	-.15	-.17	----	----
		80.3	-.09	-.09	-.08	-.07	-.06	----	----
		90.3	-.06	-.04	-.01	0	0	----	----
	Lower	2.6	----	.09	.08	.11	.12	3.7	.16
		7.7	.02	.01	0	----	.05	----	----
		20.2	.02	-.04	-.05	-.04	-.01	21.3	.05
		35.2	-.02	-.06	-.07	-.06	-.03	----	----
		50.2	-.04	-.07	-.06	-.05	-.03	----	----
		65.2	-.05	-.06	-.04	-.03	-.02	----	----
		85.2	-.03	-.03	-.17	----	----	----	----
	c_n	----	.061	.113	.144	.179	.235	----	----
4	Upper	0	----	0	-.26	-.33	----	0	-.37
		1.5	----	-.30	-.57	-.71	-.88	2.4	-.29
		5.2	-.04	-.29	-.46	-.70	-.88	6.2	-.69
		10.3	-.04	-.26	-.36	-.41	-.84	10.9	-.67
		15.2	-.04	-.22	-.30	-.37	-.59	16.7	-.66
		30.3	-.09	-.21	-.25	-.30	-.32	21.2	-.64
		45.3	-.14	-.19	-.22	-.23	-.24	46.5	-.66
		60.3	-.15	-.17	-.17	-.17	-.18	----	----
		80.3	-.10	-.10	-.08	-.08	-.06	----	----
		90.3	-.06	-.04	-.02	-.01	0	----	----
	Lower	2.6	----	.13	.12	.14	.15	3.7	.17
		7.7	.03	.05	.05	----	.09	----	----
		20.2	.03	-.01	-.01	0	.03	21.3	.09
		35.2	0	-.04	-.04	-.02	0	----	----
		50.2	-.03	-.04	-.04	-.03	-.01	----	----
		65.2	-.03	-.04	-.03	-.01	0	----	----
		85.2	-.03	-.02	-.15	----	----	----	----
	c_n	----	.058	.155	.188	.246	.313	----	----
5	Upper	0	----	-.09	-.45	-.54	----	0	-.46
		1.5	----	-.39	-.72	-.92	-.88	2.4	-.26
		5.2	-.04	-.34	-.63	-.93	-.88	6.2	-.62
		10.3	-.04	-.28	-.40	-.50	-.90	10.9	-.60
		15.2	-.04	-.24	-.35	-.43	-.90	16.7	-.59
		30.3	-.10	-.23	-.28	-.33	-.69	21.2	-.56
		45.3	-.16	-.22	-.24	-.26	-.21	46.5	-.53
		60.3	-.17	-.19	-.19	-.19	-.14	----	----
		80.3	-.11	-.10	-.09	-.08	-.04	----	----
		90.3	-.06	-.04	-.02	-.01	.02	----	----
	Lower	2.6	----	.16	.14	.16	.15	3.7	.16
		7.7	.05	.08	.08	----	.13	----	----
		20.2	.05	.02	.02	.04	.06	21.3	.12
		35.2	.02	-.02	-.01	.01	.03	----	----
		50.2	-.01	-.02	-.02	0	.02	----	----
		65.2	-.02	-.03	-.01	0	.02	----	----
		85.2	-.02	-.01	-.13	----	----	----	----
	c_n	----	.101	.183	.240	.312	.414	----	----

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
6	Upper	0	----	-0.22	-0.69	-0.76	----	0	-0.54
		1.5	----	-.52	-.92	-1.04	-0.87	2.4	-.26
		5.2	-0.05	-.43	-.70	-1.05	-.87	6.2	-.98
		10.3	-.04	-.32	-.49	-.99	-.87	10.9	-.96
		15.2	-.05	-.29	-.43	-.78	-.86	16.7	-.94
		30.3	-.12	-.27	-.34	-.33	-.92	21.2	-.70
		45.3	-.19	-.24	-.28	-.28	-.84	46.5	-.46
		60.3	-.19	-.21	-.22	-.20	-.39	----	----
		80.3	-.12	-.12	-.10	-.08	.02	----	----
		90.3	-.07	-.05	-.03	-.01	.07	----	----
	Lower	2.6	----	.19	.16	.16	.14	3.7	.13
		7.7	.05	.12	.12	----	.15	----	----
		20.2	.06	.04	.05	.07	.09	21.3	.14
		35.2	.04	.01	.01	.03	.06	----	----
		50.2	.01	0	0	.02	.04	----	----
		65.2	0	-.01	0	.01	.04	----	----
		85.2	-.01	0	-.12	----	----	----	----
	c_n	----	.139	.241	.293	.381	.602	----	----
8	Upper	0	----	-.48	-1.01	-1.02	----	0	-.53
		1.5	----	-.74	-1.20	-1.00	-.85	2.4	-.23
		5.2	-.06	-.50	-1.12	-1.00	-.85	6.2	-.46
		10.3	-.05	-.40	-.95	-1.01	-.84	10.9	-.45
		15.2	-.06	-.36	-.58	-1.07	-.85	16.7	-.43
		30.3	-.15	-.33	-.37	-1.14	-.91	21.2	-.41
		45.3	-.22	-.30	-.31	-.85	-1.04	46.5	-.38
		60.3	-.22	-.25	-.23	-.14	-1.02	----	----
		80.3	-.13	-.13	-.11	-.05	-.61	----	----
		90.3	-.08	-.06	-.03	.01	-.29	----	----
	Lower	2.6	----	.23	.19	.16	.11	3.7	.10
		7.7	.07	.17	.17	----	.18	----	----
		20.2	.09	.09	.10	.11	.13	21.3	.17
		35.2	.08	.05	.06	.07	.10	----	----
		50.2	.05	.03	.04	.05	.07	----	----
		65.2	.03	.02	.03	.04	.06	----	----
		85.2	.01	.01	-.11	----	----	----	----
	c_n	----	.186	.310	.406	.533	.889	----	----
10	Upper	0	----	-.79	-1.18	-1.12	----	0	-.34
		1.5	----	-1.11	-1.13	-.97	-.79	2.4	-.14
		5.2	-.07	-.64	-1.13	-.99	-.79	6.2	-.31
		10.3	-.06	-.49	-1.23	-1.02	-.78	10.9	-.31
		15.2	-.08	-.44	-1.33	-1.05	-.77	16.7	-.33
		30.3	-.18	-.39	-.39	-1.26	-.69	21.2	-.35
		45.3	-.27	-.36	-.28	-1.13	-.62	46.5	-.38
		60.3	-.26	-.28	-.21	-.38	-.67	----	----
		80.3	-.14	-.14	-.09	-.01	-.55	----	----
		90.3	-.09	-.08	-.07	-.11	-.53	----	----
	Lower	2.6	----	.26	.18	.13	.07	3.7	.09
		7.7	.08	.22	.20	----	.20	----	----
		20.2	.12	.14	.15	.15	.17	21.3	.14
		35.2	.12	.10	.10	.11	.12	----	----
		50.2	.08	.07	.07	.08	.08	----	----
		65.2	.06	.04	.05	.05	.05	----	----
		85.2	.02	.02	-.12	----	----	----	----
	c_n	----	.234	.398	.485	.745	.667	----	----

NACA

TABLE VII.- CONCLUDED

(c) α_u, 12, 14, 16, 18, 20

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
12	Upper	0	----	-0.98	-1.21	-1.09	----	0	-0.53
		1.5	----	-1.32	-1.12	-1.00	-0.58	2.4	-.29
		5.2	-0.07	-1.15	-1.12	-1.03	-.57	6.2	-.50
		10.3	-.07	-.44	-1.22	-1.04	-.53	10.9	-.50
		15.2	-.09	-.45	-1.41	-1.05	-.51	16.7	-.51
		30.3	-.21	-.42	-1.24	-1.23	-.47	21.2	-.50
		45.3	-.30	-.37	-.32	-1.23	-.54	46.5	-.49
		60.3	-.28	-.27	-.12	-.74	-.67	----	----
		80.3	-.15	-.17	-.21	-.57	-.63	----	----
		90.3	-.13	-.15	-.24	-.52	-.58	----	----
	Lower	2.6	----	.29	.16	.11	.07	3.7	-.02
		7.7	.11	.27	.23	----	.22	----	----
		20.2	.15	.21	.19	.19	.19	21.3	.13
		35.2	.16	.14	.13	.15	.14	----	----
		50.2	.12	.11	.10	.11	.09	----	----
		65.2	.09	.07	.07	.07	.06	----	----
		85.2	.04	.02	-.12	----	----	----	----
	c_n	----	.289	.493	.672	.934	.595	----	----
14	Upper	0	----	-1.14	-1.21	-1.11	----	0	-.57
		1.5	----	-1.41	-1.17	-1.09	-.57	2.4	-.36
		5.2	-.08	-1.45	-1.19	-1.10	-.57	6.2	-.55
		10.3	-.07	-1.16	-1.26	-1.09	-.57	10.9	-.53
		15.2	-.10	-.47	-1.34	-1.09	-.57	16.7	-.53
		30.3	-.25	-.48	-1.55	-.98	-.62	21.2	-.51
		45.3	-.34	-.42	-.73	-.83	-.68	46.5	-.50
		60.3	-.31	-.28	-.14	-.82	-.71	----	----
		80.3	-.17	-.25	-.41	-.72	-.63	----	----
		90.3	-.17	-.21	-.33	-.61	-.58	----	----
	Lower	2.6	----	.31	.14	.07	.02	3.7	-.10
		7.7	.15	.32	.27	----	.21	----	----
		20.2	.19	.25	.23	.22	.21	21.3	.15
		35.2	.21	.19	.18	.18	.17	----	----
		50.2	.17	.15	.14	.14	.12	----	----
		65.2	.13	.11	.10	.09	.08	----	----
		85.2	.06	.04	-.11	----	----	----	----
	c_n	----	.354	.579	.654	.893	.659	----	----

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
16	Upper	0	----	-1.29	-1.27	-1.21	----	0	-0.57
		1.5	----	-1.50	-1.26	-1.22	-0.71	2.4	-.41
		5.2	-0.09	-1.64	-1.28	-1.21	-.72	6.2	-.56
		10.3	-.09	-1.71	-1.37	-1.17	-.72	10.9	-.55
		15.2	-.12	-.76	-1.44	-1.12	-.72	16.7	-.54
		30.3	-.29	-.57	-1.40	-.95	-.74	21.2	-.52
		45.3	-.39	-.48	-1.19	-.80	-.75	46.5	-.51
		60.3	-.33	-.33	-.48	-.92	-.73	----	----
		80.3	-.21	-.34	-.58	-.79	-.64	----	----
		90.3	-.23	-.28	-.41	-.69	-.60	----	----
	Lower	2.6	----	.31	.11	.01	.08	3.7	-.17
		7.7	.18	.37	.28	----	.19	----	----
		20.2	.22	.29	.26	.25	.22	21.3	.15
		35.2	.24	.23	.21	.21	.18	----	----
		50.2	.21	.19	.17	.16	.14	----	----
		65.2	.16	.14	.12	.11	.09	----	----
		85.2	.08	.06	-.11	----	----	----	----
	c_n	----	.415	.765	1.040	.931	.731	----	----
18	Upper	0	----	-1.40	-1.44	-1.13	----	0	-.57
		1.5	----	-1.56	-1.44	-1.11	-.81	2.4	-.43
		5.2	-.12	-1.79	-1.46	-1.05	-.83	6.2	-.57
		10.3	-.12	-1.83	-1.44	-.97	-.84	10.9	-.56
		15.2	-.16	-1.26	-1.45	-.92	-.85	16.7	-.57
		30.3	-.34	-.70	-1.34	-.83	-.84	21.2	-.56
		45.3	-.43	-.52	-1.31	-.98	-.80	46.5	-.57
		60.3	-.32	-.32	-.95	-.97	-.74	----	----
		80.3	-.33	-.56	-.71	-.79	-.64	----	----
		90.3	-.28	-.32	-.51	-.69	-.62	----	----
		2.6	----	.32	.07	-.02	-.15	3.7	-.23
		7.7	.22	.41	.30	----	.17	----	----
		20.2	.27	.34	.30	.28	.23	21.3	.13
		35.2	.29	.28	.25	.23	.20	----	----
		50.2	.25	.22	.20	.18	.15	----	----
		65.2	.20	.17	.15	.13	.10	----	----
		85.2	.10	.08	-.11	----	----	----	----
	c_n	----	.502	.900	1.185	.935	.780	----	----

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
20	Upper	0	----	-1.48	-1.47	-0.99	----	0	-0.59
		1.5	----	-1.62	-1.47	-1.00	-0.87	2.4	-.47
		5.2	-0.14	-1.85	-1.48	-1.01	-.87	6.2	-.59
		10.3	-.14	-1.84	-1.44	-1.00	-.85	10.9	-.59
		15.2	-.19	-1.45	-1.44	-1.02	-.85	16.7	-.59
		30.3	-.38	-.83	-1.23	-1.00	-.82	21.2	-.58
		45.3	-.48	-.45	-1.29	-1.00	-.78	46.5	-.58
		60.3	-.31	-.71	-.99	-.93	-.74	----	----
		80.3	-.27	-.40	-.71	-.79	-.68	----	----
		90.3	-.23	-.29	-.59	-.72	-.66	----	----
	Lower	2.6	----	.32	.04	-.04	-.22	3.7	-.28
		7.7	.24	.44	.31	----	.15	----	----
		20.2	.30	.38	.33	.29	.24	21.3	.12
		35.2	.33	.32	.28	.25	.21	----	----
		50.2	.28	.26	.22	.21	.17	----	----
		65.2	.22	.19	.17	.15	.11	----	----
		85.2	.12	.08	-.10	----	----	----	----
	c_n	----	.526	1.003	1.186	.965	.803	----	----

TABLE VIII.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0005-63 SECTION. M, 0.85; R, 3.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
-3	Upper	0	----	-0.12	0	-0.14	----	0	-0.39
		1.5	----	.15	.13	.11	.13	2.4	-.07
		5.2	-.01	.04	.03	.04	.12	6.2	.13
		10.3	.01	0	-.01	0	.03	10.9	.10
		15.2	.01	-.02	-.03	-.02	0	16.7	.07
		30.3	.02	-.05	-.06	-.06	-.03	21.2	.03
		45.3	-.04	-.07	-.07	-.05	-.03	46.5	.02
		60.3	-.06	-.07	-.05	-.04	-.02	----	----
		80.3	-.04	-.04	-.02	-.01	.01	----	----
		90.3	-.03	-.01	.01	.03	.05	----	----
	Lower	2.6	----	-.23	-.43	-.55	-.69	3.7	-.72
		7.7	-.02	-.21	-.33	----	-.69	----	----
		20.2	-.03	-.19	-.26	-.30	-.36	21.3	-.60
		35.2	-.10	-.20	-.23	-.25	-.28	----	----
		50.2	-.14	-.18	-.19	-.20	-.22	----	----
		65.2	-.14	-.16	-.14	-.14	-.14	----	----
		85.2	-.08	-.07	-.05	----	----	----	----
-2	Upper	0	----	.17	.10	.03	----	0	-.12
		1.5	----	.11	.10	.07	.12	2.4	-.05
		5.2	-.02	.01	-.02	-.01	.07	6.2	.08
		10.3	0	-.03	-.05	-.04	-.02	10.9	.04
		15.2	.01	.04	-.07	-.07	-.04	16.7	.01
		30.3	0	-.08	-.09	-.09	-.06	21.2	-.01
		45.3	-.06	-.08	-.09	-.08	-.06	46.5	-.01
		60.3	-.07	-.08	-.07	-.06	-.04	----	----
		80.3	-.05	-.05	-.04	-.02	.01	----	----
		90.3	-.03	-.02	.01	.02	.04	----	----
	Lower	2.6	----	-.15	-.31	-.39	-.53	3.7	-.71
		7.7	-.01	-.16	-.26	----	-.43	----	----
		20.2	-.02	-.17	-.22	-.25	-.27	21.3	-.32
		35.2	-.09	-.17	-.19	-.21	-.23	----	----
		50.2	-.12	-.15	-.17	-.17	-.17	----	----
		65.2	-.12	-.13	-.13	-.12	-.11	----	----
		85.2	-.07	-.06	-.04	----	----	----	----
-1	Upper	0	----	.19	.15	.14	----	0	.07
		1.5	----	.07	.05	.01	.06	2.4	-.05
		5.2	-.02	-.03	-.07	-.07	0	6.2	-.02
		10.3	-.01	-.06	-.09	-.10	-.08	10.9	-.04
		15.2	0	-.07	-.10	-.11	-.10	16.7	-.06
		30.3	-.02	-.10	-.11	-.12	-.10	21.2	-.07
		45.3	-.07	-.10	-.11	-.10	-.09	46.5	-.04
		60.3	-.08	-.10	-.09	-.08	-.07	----	----
		80.3	-.06	-.06	-.05	-.03	-.01	----	----
		90.3	-.03	-.02	.01	.02	.03	----	----
	Lower	2.6	----	-.09	-.19	-.24	-.34	3.7	-.50
		7.7	-.01	-.12	-.19	----	-.31	----	----
		20.2	-.01	-.14	-.18	-.21	-.23	21.3	-.24
		35.2	-.07	-.15	-.17	-.18	-.19	----	----
		50.2	-.11	-.14	-.15	-.15	-.13	----	----
		65.2	-.11	-.12	-.10	-.09	-.08	----	----
		85.2	-.06	-.05	-.03	----	----	----	----

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
0	Upper	0	----	0.20	0.17	0.17	----	0	0.17
		1.5	----	.02	-.02	-.09	-.06	2.4	-.17
		5.2	-0.02	-.08	-.12	-.14	-.09	6.2	-.17
		10.3	-.01	-.09	-.14	-.15	-.15	10.9	-.15
		15.2	-.01	-.10	-.14	-.15	-.16	16.7	-.16
		30.3	-.03	-.12	-.14	-.15	-.15	21.2	-.13
		45.3	-.08	-.12	-.13	-.12	-.12	46.5	-.09
		60.3	-.10	-.11	-.10	-.09	-.08	----	----
		80.3	-.06	-.06	-.04	-.03	-.01	----	----
		90.3	-.03	-.02	.02	.04	.04	----	----
	Lower	2.6	----	-.03	-.10	-.12	-.16	3.7	-.20
		7.7	.01	-.08	-.13	----	-.20	----	----
		20.2	.01	-.11	-.14	-.16	-.16	21.3	-.14
		35.2	-.05	-.12	-.13	-.14	-.13	----	----
		50.2	-.08	-.11	-.12	-.12	-.11	----	----
		65.2	-.09	-.10	-.09	-.08	-.05	----	----
		85.2	-.05	-.04	-.02	----	----	----	----
1	Upper	0	----	.19	.13	.15	----	0	.13
		1.5	----	-.03	-.11	-.21	-.25	2.4	-.15
		5.2	-.02	-.12	-.19	-.23	-.22	6.2	-.40
		10.3	-.02	-.12	-.19	-.22	-.24	10.9	-.31
		15.2	-.01	-.13	-.18	-.21	-.23	16.7	-.28
		30.3	-.04	-.14	-.17	-.18	-.19	21.2	-.21
		45.3	-.10	-.14	-.15	-.15	-.15	46.5	-.14
		60.3	-.11	-.12	-.12	-.11	-.10	----	----
		80.3	-.07	-.06	-.05	-.03	-.02	----	----
		90.3	-.04	-.02	.01	.02	.03	----	----
	Lower	2.6	----	.02	-.02	-.02	-.02	3.7	.01
		7.7	.02	-.04	-.08	----	-.11	----	----
		20.2	.02	-.09	-.11	-.11	-.10	21.3	-.06
		35.2	-.03	-.10	-.11	-.11	-.10	----	----
		50.2	-.07	-.09	-.10	-.09	-.08	----	----
		65.2	-.08	-.09	-.07	-.06	-.03	----	----
		85.2	-.04	-.03	-.02	----	----	----	----
2	Upper	0	----	.15	.06	.06	----	0	-.02
		1.5	----	-.10	-.23	-.36	-.51	2.4	-.22
		5.2	-.02	-.16	-.27	-.33	-.38	6.2	-.62
		10.3	-.02	-.15	-.24	-.29	-.35	10.9	-.48
		15.2	-.02	-.15	-.22	-.26	-.31	16.7	-.36
		30.3	-.05	-.16	-.19	-.22	-.23	21.2	-.27
		45.3	-.11	-.15	-.16	-.16	-.18	46.5	-.19
		60.3	-.12	-.13	-.13	-.12	-.13	----	----
		80.3	-.08	-.07	-.06	-.04	-.03	----	----
		90.3	-.04	-.02	.01	.02	.03	----	----
	Lower	2.6	----	.07	.04	.06	.07	3.7	.12
		7.7	.03	-.01	-.04	----	-.04	----	----
		20.2	.03	-.06	-.07	-.07	-.05	21.3	0
		35.2	-.03	-.08	-.09	-.08	-.06	----	----
		50.2	-.05	-.08	-.08	-.07	-.05	----	----
		65.2	-.06	-.08	-.06	-.04	-.02	----	----
		85.2	-.03	-.03	-.02	----	----	----	----

TABLE VIII.- CONTINUED

(b) α_u, 3, 4, 5, 6, 8, 10

α_u	Surface	$\%c$	P					$\%c$ for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
3	Upper	0	----	-0.09	-0.07	-0.10	----	0	-0.21
		1.5	----	-.19	-.38	-.54	-0.73	2.4	-.28
		5.2	-.03	-.22	-.35	-.46	-.65	6.2	-.72
		10.3	-.03	-.20	-.31	-.41	-.49	10.9	-.72
		15.2	-.02	-.19	-.28	-.32	-.36	16.7	-.70
		30.3	-.07	-.19	-.22	-.26	-.29	21.2	-.63
		45.3	-.13	-.18	-.19	-.21	-.23	46.5	-.47
		60.3	-.14	-.16	-.16	-.15	-.16	----	----
		80.3	-.09	-.09	-.08	-.06	-.05	----	----
		90.3	-.06	-.03	0	.01	.02	----	----
	Lower	2.6	----	.09	.08	.10	.12	3.7	.16
		7.7	.03	.01	0	----	.01	----	----
		20.2	.03	-.04	-.05	-.04	-.02	21.3	.06
		35.2	-.01	-.07	-.07	-.06	-.03	----	----
		50.2	-.04	-.07	-.07	-.05	-.03	----	----
		65.2	-.05	-.07	-.05	-.03	-.01	----	----
		85.2	-.03	-.03	-.02	----	----	----	----
4	Upper	0	----	.02	-.24	-.30	----	0	-.36
		1.5	----	-.29	-.56	-.70	-.85	2.4	-.28
		5.2	-.04	-.29	-.46	-.72	-.83	6.2	-.69
		10.3	-.04	-.25	-.39	-.42	-.84	10.9	-.67
		15.2	-.03	-.23	-.32	-.40	-.68	16.7	-.66
		30.3	-.09	-.22	-.27	-.32	-.34	21.2	-.64
		45.3	-.16	-.21	-.23	-.25	-.26	46.5	-.65
		60.3	-.17	-.19	-.18	-.18	-.19	----	----
		80.3	-.10	-.10	-.09	-.08	-.06	----	----
		90.3	-.06	-.04	-.02	0	.01	----	----
	Lower	2.6	----	.12	.11	.13	.13	3.7	.16
		7.7	.03	.05	-.04	----	.06	----	----
		20.2	.04	-.02	-.02	-.01	.02	21.3	.08
		35.2	0	-.04	-.04	-.03	0	----	----
		50.2	-.03	-.04	-.04	-.03	-.01	----	----
		65.2	-.04	-.05	-.03	-.02	.01	----	----
		85.2	-.03	-.02	-.02	----	----	----	----
5	Upper	0	----	-.07	-.42	-.49	----	0	-.46
		1.5	----	-.38	-.70	-.88	-.86	2.4	-.27
		5.2	-.04	-.34	-.65	-.89	-.86	6.2	-.63
		10.3	-.03	-.29	-.41	-.58	-.87	10.9	-.61
		15.2	-.03	-.25	-.38	-.44	-.89	16.7	-.60
		30.3	-.09	-.24	-.30	-.35	-.78	21.2	-.56
		45.3	-.17	-.23	-.26	-.28	-.33	46.5	-.52
		60.3	-.18	-.21	-.20	-.20	-.13	----	----
		80.3	-.11	-.11	-.09	-.08	-.03	----	----
		90.3	-.07	-.04	-.02	0	.03	----	----
	Lower	2.6	----	.16	.14	.15	.14	3.7	.15
		7.7	.04	.08	.07	----	.09	----	----
		20.2	.06	.01	.01	.03	.06	21.3	.12
		35.2	.02	-.02	-.02	0	.03	----	----
		50.2	0	-.03	-.02	-.01	.02	----	----
		65.2	-.02	-.03	-.02	.01	.02	----	----
		85.2	-.02	-.01	0	----	----	----	----

α_u	Surface	$\%c$	P					$\%c$ for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
6	Upper	0	----	-.19	-0.64	-0.70	----	0	-0.54
		1.5	----	-.51	-.89	-.99	-0.87	2.4	-.28
		5.2	-0.05	-.44	-.82	-1.01	-.88	6.2	-.58
		10.3	-.04	-.32	-.49	-.98	-.88	10.9	-.56
		15.2	-.04	-.29	-.44	-.88	-.89	16.7	-.54
		30.3	-.12	-.28	-.36	-.34	-.94	21.2	-.50
		45.3	-.20	-.27	-.30	-.30	-.89	46.5	-.46
		60.3	-.21	-.24	-.24	-.22	-.55	----	----
		80.3	-.13	-.12	-.11	-.08	0	----	----
		90.3	-.08	-.05	-.02	-.01	.07	----	----
	Lower	2.6	----	.18	.15	.15	.13	3.7	.12
		7.7	.05	.11	.10	----	.15	----	----
		20.2	.07	.04	.04	.06	.08	21.3	.13
		35.2	.04	.01	.01	.02	.05	----	----
		50.2	.01	-.01	0	.01	.03	----	----
		65.2	0	-.02	-.01	.01	.03	----	----
		85.2	-.01	-.01	0	----	----	----	----
8	Upper	0	----	-.42	-.89	-.94	----	0	-.51
		1.5	----	-.71	-1.10	-.98	-.86	2.4	-.22
		5.2	-.05	-.49	-1.08	-.99	-.86	6.2	-.44
		10.3	-.03	-.38	-.98	-.99	-.86	10.9	-.42
		15.2	-.04	-.35	-.80	-1.03	-.87	16.7	-.41
		30.3	-.13	-.33	-.37	-1.13	-.90	21.2	-.38
		45.3	-.23	-.32	-.33	-.48	-1.02	46.5	-.35
		60.3	-.24	-.28	-.25	-.13	-.99	----	----
		80.3	-.14	-.13	-.10	-.03	-.72	----	----
		90.3	-.08	-.05	-.02	.03	-.41	----	----
	Lower	2.6	----	.23	.18	.16	.11	3.7	.11
		7.7	.07	.17	.17	----	.19	----	----
		20.2	.09	.09	.10	.11	.13	21.3	.17
		35.2	.08	.06	.06	.07	.09	----	----
		50.2	.05	.03	.03	.05	.07	----	----
		65.2	.03	.02	.03	.04	.07	----	----
		85.2	.01	.01	.01	----	----	----	----
10	Upper	0	----	-.69	-1.06	-1.10	----	0	-.44
		1.5	----	-1.03	-1.08	-.98	-.74	2.4	-.21
		5.2	-.06	-.62	-1.09	-1.00	-.72	6.2	-.42
		10.3	-.04	-.48	-1.16	-1.03	-.67	10.9	-.43
		15.2	-.06	-.42	-1.25	-1.05	-.64	16.7	-.44
		30.3	-.18	-.40	-.59	-1.24	-.50	21.2	-.47
		45.3	-.28	-.38	-.31	-1.14	-.52	46.5	-.47
		60.3	-.29	-.32	-.18	-.42	-.59	----	----
		80.3	-.15	-.15	-.13	-.27	-.58	----	----
		90.3	-.10	-.11	-.16	-.34	-.56	----	----
	Lower	2.6	----	.27	.18	.14	.08	3.7	.06
		7.7	.09	.24	.21	----	.21	----	----
		20.2	.12	.14	.14	.15	.17	21.3	.12
		35.2	.12	.09	.09	.14	.12	----	----
		50.2	.08	.07	.07	.08	.08	----	----
		65.2	.06	.04	.05	.05	.05	----	----
		85.2	.02	.01	-.03	----	----	----	----

TABLE VIII.- CONCLUDED

(c) α_u, 12, 14, 16, 18

α_u	Surface	%c	P					%c for 0.90b/2	P 0.90b/2
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		
12	Upper	0	----	-0.87	-1.16	-1.11	----	0	-0.57
		1.5	----	-1.22	-1.09	-1.02	-0.50	2.4	-.31
		5.2	-0.06	-1.12	-1.09	-1.04	-.48	6.2	-.53
		10.3	-.04	-.57	-1.18	-1.05	-.45	10.9	-.53
		15.2	-.07	-.43	-1.32	-1.06	-.44	16.7	-.53
		30.3	-.20	-.45	-1.36	-1.15	-.45	21.2	-.52
		45.3	-.32	-.42	-.40	-1.12	-.57	46.5	-.51
		60.3	-.32	-.28	-.07	-.72	-.67	----	----
		80.3	-.14	-.19	-.29	-.63	-.63	----	----
		90.3	-.17	-.20	-.32	-.57	-.59	----	----
	Lower	2.6	----	.30	.17	.11	.09	3.7	-.02
		7.7	.12	.28	.24	----	.23	----	----
		20.2	.15	.20	.18	.19	.19	21.3	.13
		35.2	.16	.14	.13	.14	.14	----	----
		50.2	.13	.11	.10	.11	.09	----	----
		65.2	.09	.07	.07	.06	.06	----	----
		85.2	.03	.02	-.08	----	----	----	----
14	Upper	0	----	-1.01	-1.21	-1.14	----	0	-.60
		1.5	----	-1.31	-1.14	-1.12	-.47	2.4	-.37
		5.2	-.07	-1.36	-1.16	-1.12	-.48	6.2	-.58
		10.3	-.05	-1.32	-1.22	-1.11	-.50	10.9	-.56
		15.2	-.08	-.45	-1.30	-1.09	-.53	16.7	-.56
		30.3	-.24	-.51	-1.55	-.88	-.64	21.2	-.54
		45.3	-.38	-.48	-.85	-.79	-.72	46.5	-.53
		60.3	-.38	-.26	-.08	-.80	-.73	----	----
		80.3	-.18	-.32	-.57	-.75	-.65	----	----
		90.3	-.28	-.31	-.44	-.66	-.60	----	----
	Lower	2.6	----	.32	.16	.08	.05	3.7	-.10
		7.7	.15	.33	.27	----	.22	----	----
		20.2	.19	.25	.22	.22	.20	21.3	.13
		35.2	.21	.18	.17	.18	.15	----	----
		50.2	.17	.15	.13	.13	.11	----	----
		65.2	.12	.10	.10	.08	.07	----	----
		85.2	.05	.03	-.09	----	----	----	----

α_u	Surface	%c	P					%c for 0.90b/2	P 0.90b/2
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		
16	Upper	0	----	-1.12	-1.23	-1.26	----	0	-0.59
		1.5	----	-1.38	-1.21	-1.24	-0.69	2.4	-.40
		5.2	-0.08	-1.49	-1.22	-1.24	-.71	6.2	-.58
		10.3	-.07	-1.59	-1.29	-1.19	-.72	10.9	-.59
		15.2	-.10	-.83	-1.41	-1.07	-.73	16.7	-.57
		30.3	-.28	-.58	-1.42	-.83	-.78	21.2	-.56
		45.3	-.42	-.56	-1.18	-.82	-.78	46.5	-.54
		60.3	-.42	-.27	-.37	-.91	-.73	----	----
		80.3	-.23	-.49	-.67	-.78	-.69	----	----
		90.3	-.38	-.35	-.50	-.69	-.61	----	----
	Lower	2.6	----	.34	.13	.04	-.05	3.7	-.17
		7.7	.18	.37	.29	----	.19	----	----
		20.2	.23	.30	.27	.25	.22	21.3	.14
		35.2	.25	.23	.21	.21	.18	----	----
		50.2	.21	.19	.17	.16	.13	----	----
		65.2	.17	.13	.12	.11	.09	----	----
		85.2	.08	.05	-.08	----	----	----	----
18	Upper	0	----	-1.23	-1.37	-1.19	----	0	-.61
		1.5	----	-1.46	-1.34	-1.14	-.81	2.4	-.44
		5.2	-.10	-1.60	-1.37	-1.04	-.82	6.2	-.60
		10.3	-.09	-1.66	-1.35	-.93	-.82	10.9	-.60
		15.2	-.13	-1.32	-1.39	-.88	-.82	16.7	-.60
		30.3	-.35	-.71	-1.29	-.85	-.83	21.2	-.59
		45.3	-.46	-.63	-1.26	-.97	-.81	46.5	-.59
		60.3	-.39	-.30	-1.01	-.95	-.76	----	----
		80.3	-.38	-.67	-.76	-.82	-.69	----	----
		90.3	-.49	-.38	-.61	-.74	-.67	----	----
	Lower	2.6	----	.35	.11	.01	-.12	3.7	-.23
		7.7	.21	.42	.30	----	.18	----	----
		20.2	.27	.34	.30	.28	.22	21.3	.13
		35.2	.29	.28	.25	.23	.20	----	----
		50.2	.25	.22	.20	.18	.15	----	----
		65.2	.20	.17	.15	.12	.10	----	----
		85.2	.10	.07	-.10	----	----	----	----

TABLE IX.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0005-63 SECTION. M, 0.90; R, 3.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P					%c for 0.90b/2	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		0.90b/2
-3	Upper	0	----	0.13	0.01	-0.13	----	0	-0.39
		1.5	----	.16	.13	.10	0.13	2.4	-.09
		5.2	-0.01	.05	.03	.03	.07	6.2	.13
		10.3	0	0	-.02	-.01	.02	10.9	.09
		15.2	.02	-.02	-.04	-.03	-.01	16.7	.06
		30.3	.02	-.06	-.07	-.07	-.03	21.2	.03
		45.3	-.04	-.07	-.09	-.06	-.04	46.5	.02
		60.3	-.06	-.08	-.07	-.05	-.03	----	----
		80.3	-.04	-.04	-.03	-.01	.01	----	----
		90.3	-.03	-.02	.02	.04	.03	----	----
	Lower	2.6	----	-.22	-.43	-.55	-.68	3.7	-.69
		7.7	-.02	-.20	-.34	----	-.67	----	----
		20.2	-.02	-.20	-.27	-.33	-.39	21.3	-.58
		35.2	-.11	-.21	-.25	-.28	-.30	----	----
		50.2	-.15	-.19	-.23	-.22	-.23	----	----
		65.2	-.16	-.18	-.16	-.15	-.14	----	----
		85.2	-.09	-.07	-.05	----	----	----	----
		c_n	----	-.062	-.118	-.157	-.180	-.241	----	----
-2	Upper	0	----	.18	.11	.04	----	0	-.11
		1.5	----	.13	.10	.07	.12	2.4	-.05
		5.2	-.01	.01	-.01	-.01	.02	6.2	.08
		10.3	.01	-.02	-.05	-.05	-.02	10.9	.04
		15.2	.02	-.04	-.07	-.07	-.05	16.7	.01
		30.3	.01	-.08	-.09	-.09	-.07	21.2	-.01
		45.3	-.05	-.09	-.09	-.08	-.06	46.5	0
		60.3	-.07	-.09	-.08	-.06	-.04	----	----
		80.3	-.05	-.05	-.04	-.02	.01	----	----
		90.3	-.03	-.01	.01	.01	.04	----	----
	Lower	2.6	----	-.13	-.30	-.40	-.54	3.7	-.69
		7.7	-.01	-.15	-.26	----	-.44	----	----
		20.2	-.01	-.17	-.23	-.27	-.28	21.3	-.33
		35.2	-.08	-.18	-.21	-.21	-.23	----	----
		50.2	-.12	-.16	-.18	-.18	-.18	----	----
		65.2	-.13	-.15	-.13	-.12	-.11	----	----
		85.2	-.07	-.06	-.04	----	----	----	----
		c_n	----	-.049	-.080	-.102	-.123	-.102	----	----
-1	Upper	0	----	.20	.15	.14	----	0	.07
		1.5	----	.07	.04	-.01	.04	2.4	-.07
		5.2	-.02	-.03	-.08	-.09	-.08	6.2	-.03
		10.3	-.01	-.06	-.11	-.11	-.10	10.9	-.06
		15.2	0	-.08	-.12	-.13	-.12	16.7	-.07
		30.3	-.02	-.11	-.13	-.14	-.12	21.2	-.08
		45.3	-.08	-.12	-.13	-.12	-.10	46.5	-.06
		60.3	-.10	-.12	-.11	-.09	-.08	----	----
		80.3	-.07	-.07	-.06	-.04	-.02	----	----
		90.3	-.05	-.02	0	.01	.01	----	----
	Lower	2.6	----	-.08	-.20	-.25	-.36	3.7	-.53
		7.7	0	-.12	-.20	----	-.31	----	----
		20.2	0	-.14	-.20	-.23	-.25	21.3	-.26
		35.2	-.08	-.16	-.19	-.20	-.21	----	----
		50.2	-.12	-.15	-.17	-.17	-.15	----	----
		65.2	-.13	-.14	-.12	-.10	-.08	----	----
		85.2	-.08	-.06	-.04	----	----	----	----
		c_n	----	-.021	-.036	-.047	-.058	-.079	----	----

α_u	Surface	%c	P					%c for 0.90b/2	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		0.90b/2
0	Upper	0	----	0.20	0.15	0.16	----	0	0.15
		1.5	----	.02	-.04	-.11	-0.10	2.4	-.18
		5.2	-0.03	-.08	-.15	-.17	-.19	6.2	-.20
		10.3	-.02	-.10	-.16	-.18	-.19	10.9	-.19
		15.2	-.01	-.11	-.17	-.18	-.19	16.7	-.19
		30.3	-.03	-.14	-.17	-.18	-.17	21.2	-.15
		45.3	-.10	-.14	-.15	-.15	-.14	46.5	-.11
		60.3	-.12	-.14	-.13	-.12	-.11	----	----
		80.3	-.08	-.07	-.06	-.05	-.04	----	----
		90.3	-.04	-.02	.02	.04	.05	----	----
	Lower	2.6	----	-.03	-.11	-.12	-.17	3.7	-.20
		7.7	.01	-.08	-.14	----	-.19	----	----
		20.2	.01	-.11	-.16	-.17	-.18	21.3	-.15
		35.2	-.06	-.14	-.16	-.16	-.15	----	----
		50.2	-.10	-.13	-.14	-.13	-.12	----	----
		65.2	-.11	-.12	-.11	-.10	-.08	----	----
		85.2	-.06	-.05	-.04	----	----	----	----
		c_n	----	0	0	0	0	0	----	----
1	Upper	0	----	.18	.12	.13	----	0	.11
		1.5	----	-.03	-.13	-.23	-.28	2.4	-.17
		5.2	-.03	-.12	-.21	-.26	-.32	6.2	-.44
		10.3	-.02	-.13	-.21	-.25	-.28	10.9	-.35
		15.2	-.01	-.14	-.20	-.23	-.26	16.7	-.32
		30.3	-.05	-.16	-.19	-.21	-.23	21.2	-.23
		45.3	-.11	-.16	-.18	-.18	-.16	46.5	-.15
		60.3	-.13	-.15	-.15	-.13	-.11	----	----
		80.3	-.09	-.08	-.06	-.04	-.02	----	----
		90.3	-.04	-.02	0	-.02	.03	----	----
	Lower	2.6	----	.02	-.03	-.03	-.04	3.7	.01
		7.7	.02	-.04	-.09	----	-.10	----	----
		20.2	.01	-.10	-.12	-.13	-.12	21.3	-.07
		35.2	-.05	-.12	-.13	-.13	-.12	----	----
		50.2	-.08	-.11	-.12	-.11	-.09	----	----
		65.2	-.10	-.11	-.09	-.08	-.06	----	----
		85.2	-.06	-.05	-.03	----	----	----	----
		c_n	----	.021	.037	.053	.042	.073	----	----
2	Upper	0	----	.15	.05	.05	----	0	-.03
		1.5	----	-.10	-.25	-.39	-.48	2.4	-.23
		5.2	-.03	-.17	-.28	-.36	-.47	6.2	-.65
		10.3	-.02	-.16	-.26	-.32	-.42	10.9	-.56
		15.2	-.01	-.17	-.24	-.29	-.34	16.7	-.43
		30.3	-.06	-.18	-.22	-.25	-.26	21.2	-.29
		45.3	-.12	-.18	-.19	-.19	-.20	46.5	-.21
		60.3	-.14	-.16	-.15	-.14	-.15	----	----
		80.3	-.09	-.09	-.07	-.06	-.04	----	----
		90.3	-.05	-.03	0	-.02	.03	----	----
	Lower	2.6	----	.06	.03	.04	.06	3.7	.12
		7.7	.03	-.01	-.04	----	-.01	----	----
		20.2	.03	-.06	-.09	-.08	-.07	21.3	0
		35.2	-.03	-.09	-.10	-.09	-.07	----	----
		50.2	-.07	-.09	-.09	-.08	-.06	----	----
		65.2	-.08	-.09	-.07	-.06	-.04	----	----
		85.2	-.05	-.04	-.02	----	----	----	----
		c_n	----	.044	.077	.099	.122	.163	----	----

TABLE IX.- CONTINUED

(b) α_u, 3, 4, 5, 6, 8, 10

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
3	Upper	0	----	0.11	-0.06	-0.09	----	0	-0.20
		1.5	----	-.17	-.38	-.56	-0.72	2.4	-.27
		5.2	-0.03	-.22	-.36	-.48	-.72	6.2	-.72
		10.3	-.02	-.20	-.32	-.44	-.55	10.9	-.71
		15.2	-.02	-.19	-.30	-.33	-.40	16.7	-.70
		30.3	-.07	-.20	-.24	-.29	-.32	21.2	-.66
		45.3	-.14	-.19	-.22	-.23	-.25	46.5	-.58
		60.3	-.15	-.19	-.18	-.17	-.18	----	----
		80.3	-.11	-.10	-.08	-.06	-.05	----	----
		90.3	-.05	-.03	0	.02	.02	----	----
	Lower	2.6	----	.10	.08	.09	.11	3.7	.16
		7.7	.03	.02	-.01	----	.05	----	----
		20.2	.04	-.04	-.06	-.05	-.02	21.3	.05
		35.2	-.02	-.07	-.08	-.07	-.04	----	----
		50.2	-.06	-.08	-.08	-.06	-.04	----	----
		65.2	-.06	-.08	-.06	-.04	-.02	----	----
		85.2	-.04	-.03	-.01	----	----	----	----
		c_n	----	.062	.117	.149	.184	.250	----	----
4	Upper	0	----	.05	-.21	-.27	----	0	-.34
		1.5	----	-.26	-.54	-.68	-.83	2.4	-.26
		5.2	-.03	-.27	-.45	-.70	-.82	6.2	-.68
		10.3	-.03	-.24	-.41	-.46	-.84	10.9	-.66
		15.2	-.02	-.22	-.32	-.38	-.77	16.7	-.65
		30.3	-.08	-.22	-.26	-.33	-.39	21.2	-.61
		45.3	-.16	-.22	-.25	-.27	-.27	46.5	-.61
		60.3	-.17	-.21	-.20	-.19	-.19	----	----
		80.3	-.12	-.11	-.09	-.07	-.05	----	----
		90.3	-.07	-.03	-.01	.01	.02	----	----
	Lower	2.6	----	.14	.11	.13	.13	3.7	.17
		7.7	.04	.05	.03	----	.09	----	----
		20.2	.05	-.02	-.03	-.02	.01	21.3	.08
		35.2	0	-.05	-.05	-.04	-.01	----	----
		50.2	-.03	-.05	-.06	-.04	-.01	----	----
		65.2	-.05	-.06	-.04	-.03	0	----	----
		85.2	-.03	-.03	-.01	----	----	----	----
		c_n	----	.096	.156	.197	.239	.341	----	----
5	Upper	0	----	-.03	-.37	-.43	----	0	-.44
		1.5	----	-.34	-.67	-.83	-.84	2.4	-.23
		5.2	-.03	-.31	-.62	-.87	-.85	6.2	-.61
		10.3	-.01	-.28	-.38	-.65	-.86	10.9	-.59
		15.2	-.01	-.24	-.36	-.45	-.87	16.7	-.57
		30.3	-.08	-.24	-.31	-.37	-.79	21.2	-.52
		45.3	-.17	-.24	-.28	-.31	-.54	46.5	-.47
		60.3	-.19	-.23	-.23	-.21	-.10	----	----
		80.3	-.13	-.11	-.09	-.07	0	----	----
		90.3	-.07	-.03	0	.01	.05	----	----
	Lower	2.6	----	.17	.15	.15	.15	3.7	.16
		7.7	.05	.08	.07	----	.12	----	----
		20.2	.06	.01	.01	.02	.05	21.3	.11
		35.2	.03	-.02	-.02	-.01	.02	----	----
		50.2	-.01	-.03	-.03	-.01	.01	----	----
		65.2	-.02	-.03	-.02	0	.02	----	----
		85.2	-.02	-.01	0	----	----	----	----
		c_n	----	.114	.194	.254	.313	.461	----	----

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
6	Upper	0	----	-0.13	-0.54	-0.60	----	0	-0.52
		1.5	----	-.45	-.79	-.93	-0.87	2.4	-.23
		5.2	-0.03	-.39	-.80	-.95	-.87	6.2	-.54
		10.3	-.02	-.29	-.46	-.95	-.87	10.9	-.52
		15.2	-.01	-.27	-.41	-.85	-.88	16.7	-.51
		30.3	-.09	-.27	-.36	-.37	-.92	21.2	-.46
		45.3	-.19	-.27	-.32	-.32	-.90	46.5	-.42
		60.3	-.22	-.26	-.25	-.22	-.66	----	----
		80.3	-.14	-.12	-.10	-.07	.03	----	----
		90.3	-.07	-.03	-.01	.01	.10	----	----
	Lower	2.6	----	.20	.17	.17	.14	3.7	.15
		7.7	.06	.12	.10	----	.15	----	----
		20.2	.08	.04	.04	.05	.08	21.3	.14
		35.2	.05	.01	0	.02	.05	----	----
		50.2	.01	-.01	-.01	.01	.04	----	----
		65.2	0	-.02	0	.01	.04	----	----
		85.2	-.01	0	.01	----	----	----	----
		c_n	----	.140	.260	.357	.386	.650	----	----
8	Upper	0	----	-.37	-.79	-.85	----	0	-.35
		1.5	----	-.67	-1.06	-.97	-.91	2.4	-.12
		5.2	-.05	-.50	-1.05	-.98	-.92	6.2	-.30
		10.3	-.03	-.37	-.96	-.99	-.92	10.9	-.29
		15.2	-.03	-.34	-.83	-1.01	-.92	16.7	-.29
		30.3	-.13	-.35	-.38	-1.10	-.87	21.2	-.31
		45.3	-.24	-.34	-.38	-.81	-.91	46.5	-.34
		60.3	-.28	-.33	-.32	-.09	-.82	----	----
		80.3	-.17	-.13	-.08	.01	-.54	----	----
		90.3	-.08	-.06	-.03	-.03	-.46	----	----
	Lower	2.6	----	.24	.18	.16	.10	3.7	.13
		7.7	.07	.17	.16	----	.17	----	----
		20.2	.10	.08	.08	.08	.12	21.3	.15
		35.2	.08	.04	.04	.06	.08	----	----
		50.2	.04	.02	.02	.04	.06	----	----
		65.2	.02	0	.02	.02	.05	----	----
		85.2	0	0	0	----	----	----	----
		c_n	----	.194	.328	.438	.581	.832	----	----
10	Upper	0	----	-.58	-.93	-1.01	----	0	-.43
		1.5	----	-.94	-1.03	-.97	-.89	2.4	-.18
		5.2	-.04	-.58	-1.04	-.98	-.81	6.2	-.41
		10.3	-.02	-.44	-1.08	-1.00	-.73	10.9	-.42
		15.2	-.03	-.39	-1.15	-1.03	-.65	16.7	-.44
		30.3	-.15	-.39	-.73	-1.20	-.48	21.2	-.47
		45.3	-.28	-.39	-.37	-1.15	-.52	46.5	-.47
		60.3	-.32	-.39	-.23	-.54	-.57	----	----
		80.3	-.17	-.13	-.11	-.29	-.58	----	----
		90.3	-.09	-.12	-.21	-.40	-.57	----	----
	Lower	2.6	----	.29	.19	.15	.08	3.7	.07
		7.7	.10	.23	.20	----	.20	----	----
		20.2	.13	.15	.14	.14	.16	21.3	.13
		35.2	.13	.09	.09	.10	.12	----	----
		50.2	.08	.07	.06	.08	.08	----	----
		65.2	.06	.04	.05	.05	.05	----	----
		85.2	.02	.01	0	----	----	----	----
		c_n	----	.241	.414	.518	.843	.641	----	----

TABLE IX. - CONCLUDED

(c) α_u, 12, 14, 16, 18

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
12	Upper	0	----	-0.77	-1.08	-1.13	----	0	-0.56
		1.5	----	-1.13	-1.03	-1.03	-0.57	2.4	-.30
		5.2	-0.05	-1.11	-1.04	-1.05	-.55	6.2	-.55
		10.3	-.03	-.83	-1.11	-1.07	-.50	10.9	-.54
		15.2	-.04	-.38	-1.24	-1.10	-.47	16.7	-.56
		30.3	-.19	-.46	-1.35	-1.14	-.43	21.2	-.57
		45.3	-.33	-.46	-.78	-1.01	-.53	46.5	-.56
		60.3	-.39	-.43	-.03	-.76	-.65	----	----
		80.3	-.08	-.14	-.23	-.64	-.66	----	----
		90.3	-.19	-.28	-.43	-.62	-.64	----	----
	Lower	2.6	----	.32	.19	.12	.06	3.7	-.03
		7.7	.11	.29	.24	----	.21	----	----
		20.2	.17	.21	.19	.18	.19	21.3	.12
		35.2	.17	.15	.13	.14	.14	----	----
		50.2	.12	.11	.09	.10	.09	----	----
		65.2	.09	.06	.06	.06	.05	----	----
		85.2	.03	.01	-.03	----	----	----	----
	c_n	----	.305	.570	.744	.934	.645	----	----
14	Upper	0	----	-.87	-1.12	-1.15	----	0	-.59
		1.5	----	-1.19	-1.05	-1.09	-.59	2.4	-.35
		5.2	-.05	-1.24	-1.06	-1.10	-.57	6.2	-.58
		10.3	-.03	-1.26	-1.13	-1.11	-.54	10.9	-.58
		15.2	-.05	-.43	-1.20	-1.13	-.51	16.7	-.59
		30.3	-.22	-.49	-1.43	-1.03	-.52	21.2	-.59
		45.3	-.36	-.50	-1.18	-.89	-.63	46.5	-.58
		60.3	-.43	-.48	-.22	-.71	-.71	----	----
		80.3	-.08	-.18	-.37	-.72	-.69	----	----
		90.3	-.21	-.35	-.51	-.67	-.66	----	----
	Lower	2.6	----	.34	.18	.10	.02	3.7	-.09
		7.7	.15	.33	.27	----	.21	----	----
		20.2	.20	.25	.22	.21	.21	21.3	.13
		35.2	.21	.18	.17	.17	.16	----	----
		50.2	.17	.14	.13	.13	.11	----	----
		65.2	.13	.10	.09	.08	.07	----	----
		85.2	.05	.03	.01	----	----	----	----
	c_n	----	.365	.657	.943	.936	.702	----	----

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
16	Upper	0	----	-0.97	-1.17	-1.20	----	0	-0.59
		1.5	----	-1.26	-1.12	-1.16	-0.68	2.4	-.40
		5.2	-0.07	-1.34	-1.13	-1.17	-.67	6.2	-.59
		10.3	-.04	-1.43	-1.19	-1.18	-.67	10.9	-.59
		15.2	-.07	-.89	-1.28	-1.18	-.67	16.7	-.60
		30.3	-.29	-.55	-1.38	-1.13	-.68	21.2	-.60
		45.3	-.41	-.57	-1.35	-.85	-.74	46.5	-.60
		60.3	-.47	-.58	-.63	-.86	-.76	----	----
		80.3	-.08	-.29	-.69	-.81	-.72	----	----
		90.3	-.28	-.50	-.60	-.75	-.69	----	----
	Lower	2.6	----	.36	.16	.06	-.05	3.7	-.17
		7.7	.18	.38	.29	----	.19	----	----
		20.2	.24	.30	.26	.23	.21	21.3	.13
		35.2	.26	.23	.20	.19	.17	----	----
		50.2	.21	.18	.16	.15	.13	----	----
		65.2	.16	.13	.11	.10	.09	----	----
		85.2	.07	.04	.01	----	----	----	----
	c_n	----	.448	.788	1.169	1.089	.796	----	----
18	Upper	0	----	-1.05	-1.24	-1.27	-.09	0	-.64
		1.5	----	-1.32	-1.19	-1.24	-.72	2.4	-.46
		5.2	-.07	-1.39	-1.21	-1.23	-.73	6.2	-.64
		10.3	-.05	-1.49	-1.22	-1.21	-.73	10.9	-.64
		15.2	-.09	-1.22	-1.27	-1.14	-.76	16.7	-.64
		30.3	-.31	-.66	-1.32	-.96	-.77	21.2	-.63
		45.3	-.42	-.64	-1.22	-.92	-.80	46.5	-.62
		60.3	-.48	-.52	-.97	-.92	-.80	----	----
		80.3	-.13	-.45	-.81	-.85	-.75	----	----
		90.3	-.43	-.57	-.69	-.79	-.73	----	----
	Lower	2.6	----	.38	.15	.04	-.09	3.7	-.23
		7.7	.22	.43	.31	----	.17	----	----
		20.2	.29	.36	.30	.27	.22	21.3	.13
		35.2	.31	.28	.25	.23	.20	----	----
		50.2	.26	.23	.20	.19	.15	----	----
		65.2	.20	.17	.15	.13	.11	----	----
		85.2	.10	.07	.05	----	----	----	----
	c_n	----	.536	.873	1.239	1.059	.878	----	----

TABLE X.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0005-63 SECTION. M, 0.95; R, 3.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
-3	Upper	0	----	0.16	0.03	-0.10	----	0	-0.45
		1.5	----	.16	.12	.09	0.10	2.4	-.12
		5.2	-0.01	.05	.01	.01	.04	6.2	.12
		10.3	0	.01	-.03	-.03	-.01	10.9	.08
		15.2	.03	-.02	-.06	-.06	-.04	16.7	.05
		30.3	.02	-.07	-.09	-.10	-.07	21.2	.02
		45.3	-.05	-.09	-.11	-.09	-.06	46.5	.02
		60.3	-.08	-.11	-.09	-.07	-.03	----	----
		80.3	-.06	-.06	-.04	-.02	.02	----	----
		90.3	-.03	-.01	.03	.05	.07	----	----
	Lower	2.6	----	-.19	-.41	-.54	-.69	3.7	-.74
		7.7	-.01	-.19	-.34	----	-.68	----	----
		20.2	-.01	-.20	-.27	-.36	-.46	21.3	-.68
		35.2	-.09	-.22	-.27	-.32	-.38	----	----
		50.2	-.16	-.22	-.26	-.30	-.32	----	----
		65.2	-.18	-.24	-.25	-.23	-.15	----	----
		85.2	-.14	-.07	-.04	----	----	----	----
	c_n	----	-.086	-.126	-.161	-.215	-.268	----	----
-2	Upper	0	----	.19	.11	.04	----	0	-.19
		1.5	----	.13	.08	.04	.06	2.4	-.10
		5.2	-.02	.01	-.04	-.05	-.03	6.2	.06
		10.3	0	-.03	-.08	-.09	-.08	10.9	.02
		15.2	.02	-.05	-.10	-.11	-.10	16.7	0
		30.3	.01	-.10	-.12	-.14	-.11	21.2	-.02
		45.3	-.07	-.12	-.14	-.13	-.10	46.5	-.01
		60.3	-.11	-.14	-.13	-.10	-.06	----	----
		80.3	-.08	-.07	-.05	-.03	.01	----	----
		90.3	-.03	-.01	.03	.05	.07	----	----
	Lower	2.6	----	-.13	-.30	-.41	-.59	3.7	-.72
		7.7	0	-.15	-.27	----	-.49	----	----
		20.2	0	-.17	-.25	-.32	-.32	21.3	-.47
		35.2	-.08	-.19	-.25	-.27	-.32	----	----
		50.2	-.14	-.20	-.23	-.26	-.26	----	----
		65.2	-.17	-.22	-.22	-.20	-.12	----	----
		85.2	-.13	-.07	-.04	----	----	----	----
	c_n	----	-.055	-.080	-.105	-.139	-.162	----	----
-1	Upper	0	----	.22	.15	.14	----	0	.03
		1.5	----	.10	.04	-.01	.03	2.4	-.09
		5.2	-.01	-.01	-.07	-.10	-.09	6.2	-.01
		10.3	0	-.04	-.11	-.12	-.13	10.9	-.04
		15.2	.02	-.07	-.12	-.14	-.14	16.7	-.06
		30.3	0	-.11	-.14	-.16	-.15	21.2	-.06
		45.3	-.08	-.13	-.15	-.15	-.12	46.5	-.03
		60.3	-.11	-.14	-.14	-.11	-.07	----	----
		80.3	-.09	-.08	-.06	-.03	.02	----	----
		90.3	-.03	0	.04	.06	.07	----	----
	Lower	2.6	----	-.06	-.20	-.27	-.39	3.7	-.37
		7.7	.01	-.10	-.20	----	-.35	----	----
		20.2	.02	-.14	-.21	-.25	-.30	21.3	-.29
		35.2	-.06	-.17	-.21	-.24	-.27	----	----
		50.2	-.12	-.17	-.21	-.23	-.20	----	----
		65.2	-.15	-.19	-.19	-.16	-.07	----	----
		85.2	-.11	-.05	-.03	----	----	----	----
	c_n	----	-.077	-.041	-.059	-.080	-.096	----	----

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
0	Upper	0	----	0.21	0.15	0.14	----	0	0.15
		1.5	----	.04	-.05	-.13	-.13	2.4	-.19
		5.2	-0.03	-.07	-.15	-.19	-.22	6.2	-.21
		10.3	-.02	-.09	-.17	-.21	-.23	10.9	-.19
		15.2	0	-.11	-.18	-.21	-.24	16.7	-.19
		30.3	-.03	-.15	-.19	-.21	-.23	21.2	-.15
		45.3	-.11	-.17	-.19	-.21	-.18	46.5	-.11
		60.3	-.15	-.18	-.18	-.17	-.11	----	----
		80.3	-.12	-.10	-.07	-.03	0	----	----
		90.3	-.04	-.01	.04	.06	.07	----	----
	Lower	2.6	----	-.02	-.12	-.15	-.22	3.7	-.24
		7.7	.01	-.07	-.15	----	-.25	----	----
		20.2	.02	-.12	-.18	-.21	-.24	21.3	-.16
		35.2	-.06	-.15	-.19	-.21	-.21	----	----
		50.2	-.11	-.15	-.19	-.20	-.15	----	----
		65.2	-.13	-.18	-.17	-.13	-.07	----	----
		85.2	-.10	-.05	-.07	----	----	----	----
	c_n	----	0	0	0	0	0	----	----
1	Upper	0	----	.21	.13	.12	----	0	.10
		1.5	----	-.01	-.12	-.23	-.29	2.4	-.20
		5.2	-.02	-.11	-.21	-.27	-.33	6.2	-.44
		10.3	-.01	-.12	-.21	-.26	-.31	10.9	-.38
		15.2	.01	-.13	-.20	-.26	-.30	16.7	-.35
		30.3	-.03	-.17	-.21	-.24	-.26	21.2	-.23
		45.3	-.13	-.18	-.21	-.23	-.24	46.5	-.14
		60.3	-.16	-.19	-.21	-.20	-.14	----	----
		80.3	-.14	-.12	-.07	-.01	.01	----	----
		90.3	-.04	0	.04	.06	.07	----	----
	Lower	2.6	----	.03	-.04	-.06	-.09	3.7	-.01
		7.7	.02	-.03	-.10	----	-.18	----	----
		20.2	.04	-.10	-.14	-.16	-.18	21.3	-.08
		35.2	-.03	-.13	-.15	-.18	-.16	----	----
		50.2	-.10	-.13	-.17	-.17	-.12	----	----
		65.2	-.12	-.17	-.14	-.11	-.05	----	----
		85.2	-.09	-.05	-.07	----	----	----	----
	c_n	----	----	.042	.052	.058	.082	----	----
2	Upper	0	----	.18	.06	.05	----	0	-.03
		1.5	----	-.08	-.23	-.30	-.35	2.4	-.25
		5.2	-.02	-.15	-.28	-.37	-.48	6.2	-.65
		10.3	-.01	-.15	-.26	-.33	-.45	10.9	-.59
		15.2	0	-.16	-.24	-.31	-.40	16.7	-.51
		30.3	-.04	-.19	-.24	-.29	-.31	21.2	-.32
		45.3	-.14	-.20	-.23	-.24	-.24	46.5	-.22
		60.3	-.17	-.20	-.21	-.19	-.16	----	----
		80.3	-.13	-.10	-.06	-.03	-.01	----	----
		90.3	-.03	0	.03	.05	.06	----	----
	Lower	2.6	----	.07	.02	.02	.02	3.7	.11
		7.7	.03	0	-.05	----	-.09	----	----
		20.2	.06	-.06	-.10	-.11	-.09	21.3	.01
		35.2	-.02	-.10	-.12	-.13	-.09	----	----
		50.2	-.07	-.10	-.13	-.11	-.07	----	----
		65.2	-.09	-.12	-.09	-.07	-.02	----	----
		85.2	-.06	-.03	-.10	----	----	----	----
	c_n	----	----	.085	.105	.125	.169	----	----

TABLE X.- CONCLUDED

(b) α_u, 3, 4, 5, 6, 8, 10, 12

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
3	Upper	0	----	0.13	-0.05	-0.08	----	0	-0.22
		1.5	----	-.15	-.36	-.75	-0.77	2.4	-.29
		5.2	-0.02	-.20	-.35	-.48	-.68	6.2	-.74
		10.3	-.01	-.18	-.32	-.45	-.65	10.9	-.74
		15.2	0	-.18	-.30	-.38	-.45	16.7	-.73
		30.3	-.06	-.21	-.25	-.31	-.39	21.2	-.65
		45.3	-.15	-.21	-.24	-.28	-.33	46.5	-.57
		60.3	-.18	-.22	-.24	-.25	-.20	----	----
		80.3	-.17	-.13	-.07	-.03	-.02	----	----
		90.3	-.03	0	.03	-.05	.05	----	----
	Lower	2.6	----	.11	.07	.08	.08	3.7	.15
		7.7	.04	.03	-.01	----	.01	----	----
		20.2	.07	-.03	-.06	-.07	-.04	21.3	.06
		35.2	0	-.08	-.09	-.09	-.05	----	----
		50.2	-.05	-.08	-.10	-.08	-.05	----	----
		65.2	-.07	-.10	-.08	-.05	-.02	----	----
		85.2	-.05	-.03	-.09	----	----	----	----
		c_n	----	.124	.149	.192	.263	----	----
4	Upper	0	----	.07	-.18	-.23	----	0	-.37
		1.5	----	-.23	-.51	-.65	-.84	2.4	-.87
		5.2	-.02	-.25	-.44	-.65	-.83	6.2	-.71
		10.3	-.01	-.22	-.41	-.58	-.86	10.9	-.70
		15.2	0	-.20	-.30	-.39	-.83	16.7	-.67
		30.3	-.06	-.22	-.29	-.36	-.46	21.2	-.58
		45.3	-.16	-.23	-.28	-.32	-.39	46.5	-.52
		60.3	-.20	-.24	-.27	-.29	-.24	----	----
		80.3	-.19	-.15	-.09	-.05	0	----	----
		90.3	-.04	-.01	.03	.04	.05	----	----
	Lower	2.6	----	.15	.12	.12	.12	3.7	.16
		7.7	.05	.07	.03	----	.06	----	----
		20.2	.07	-.01	-.03	-.03	0	21.3	.09
		35.2	.02	-.05	-.06	-.05	-.02	----	----
		50.2	-.03	-.06	-.07	-.05	-.02	----	----
		65.2	-.06	-.07	-.06	-.03	0	----	----
		85.2	-.04	-.03	-.09	----	----	----	----
		c_n	----	.106	.159	.213	.265	.366	----	----
5	Upper	0	----	-.02	-.35	-.40	----	0	-.49
		1.5	----	-.33	-.67	-.81	-.87	2.4	-.25
		5.2	-.03	-.31	-.61	-.85	-.87	6.2	-.59
		10.3	-.02	-.28	-.41	-.74	-.88	10.9	-.57
		15.2	0	-.23	-.37	-.49	-.89	16.7	-.55
		30.3	-.08	-.26	-.34	-.42	-.86	21.2	-.49
		45.3	-.19	-.27	-.32	-.37	-.76	46.5	-.43
		60.3	-.23	-.27	-.32	-.35	-.26	----	----
		80.3	-.24	-.21	-.13	-.05	.06	----	----
		90.3	-.07	-.02	.02	.03	.03	----	----
	Lower	2.6	----	.18	.14	.14	.12	3.7	.13
		7.7	.06	.09	.07	----	.09	----	----
		20.2	.08	.02	0	0	.03	21.3	.11
		35.2	.03	-.03	-.04	-.03	0	----	----
		50.2	-.02	-.04	-.05	-.03	-.01	----	----
		65.2	-.04	-.06	-.04	-.02	0	----	----
		85.2	-.05	-.03	-.09	----	----	----	----
		c_n	----	.142	.220	.289	.337	.517	----	----

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
6	Upper	0	----	-0.10	-0.47	-0.52	----	0	-0.55
		1.5	----	-.42	-.77	-.89	-0.87	2.4	-.26
		5.2	-0.03	-.37	-.77	-.91	-.88	6.2	-.56
		10.3	-.02	-.27	-.46	-.93	-.89	10.9	-.55
		15.2	-.01	-.26	-.42	-.84	-.89	16.7	-.54
		30.3	-.09	-.29	-.38	-.46	-.94	21.2	-.50
		45.3	-.21	-.29	-.35	-.37	-.95	46.5	-.45
		60.3	-.24	-.29	-.34	-.37	-.79	----	----
		80.3	-.25	-.25	-.17	-.04	.05	----	----
		90.3	-.09	-.03	.02	.04	.07	----	----
	Lower	2.6	----	.20	.15	.15	.12	3.7	.12
		7.7	.07	.13	.10	----	.12	----	----
		20.2	.09	.05	.03	.04	.06	21.3	.12
		35.2	.05	0	-.01	0	.03	----	----
		50.2	.01	-.02	-.02	-.01	.02	----	----
		65.2	-.02	-.04	-.02	0	.02	----	----
		85.2	-.02	-.02	-.06	----	----	----	----
		c_n	----	.169	.257	.342	.402	.670	----	----
8	Upper	0	----	-.31	-.69	-.74	----	0	-.72
		1.5	----	-.62	-.97	-.92	-.91	2.4	-.33
		5.2	-.04	-.49	-.97	-.93	-.91	6.2	-.64
		10.3	-.01	-.35	-.89	-.94	-.92	10.9	-.62
		15.2	-.01	-.31	-.81	-.96	-.92	16.7	-.59
		30.3	-.12	-.33	-.37	-1.02	-.97	21.2	-.54
		45.3	-.23	-.34	-.39	-.95	-1.03	46.5	-.51
		60.3	-.29	-.35	-.39	-.34	-1.01	----	----
		80.3	-.30	-.35	-.34	-.26	-.87	----	----
		90.3	-.27	-.11	-.03	.08	-.76	----	----
	Lower	2.6	----	.26	.19	.17	.10	3.7	.05
		7.7	.09	.20	.16	----	.15	----	----
		20.2	.12	.11	.09	.09	.11	21.3	.15
		35.2	.10	.05	.05	.05	.07	----	----
		50.2	.06	.03	.02	.03	.05	----	----
		65.2	.02	0	.01	.02	.05	----	----
		85.2	0	0	-.05	----	----	----	----
		c_n	----	.252	.377	.485	.659	.984	----	----
10	Upper	0	----	-.49	-.82	-.91	----	0	-.97
		1.5	----	-.86	-.94	-.93	-.93	2.4	-.48
		5.2	-.04	-.56	-.95	-.94	-.93	6.2	-.94
		10.3	-.01	-.43	-1.00	-.95	-.98	10.9	-.92
		15.2	-.01	-.37	-1.06	-.97	-.96	16.7	-.90
		30.3	-.14	-.38	-.92	-1.11	-.99	21.2	-.80
		45.3	-.27	-.39	-.38	-1.16	-1.07	46.5	-.69
		60.3	-.33	-.41	-.42	-1.10	-1.13	----	----
		80.3	-.35	-.43	-.45	-.51	-1.14	----	----
		90.3	-.40	-.31	-.33	-.33	-.89	----	----
	Lower	2.6	----	.30	.21	.16	.07	3.7	-.05
		7.7	.11	.25	.21	----	.16	----	----
		20.2	.14	.16	.14	.13	.13	21.3	.12
		35.2	.13	.10	.08	.08	.09	----	----
		50.2	.09	.06	.05	.06	.06	----	----
		65.2	.06	.02	.03	.03	.05	----	----
		85.2	0	-.01	-.06	----	----	----	----
		c_n	----	.319	.482	.647	.919	1.055	----	----

α	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
12	Upper	0	----	-0.63	-0.93	-1.01	----	0	-1.04
		1.5	----	-1.00	-.95	-.96	-0.97	2.4	-.51
		5.2	-0.04	-.95	-.96	-.97	-.99	6.2	-1.01
		10.3	-.01	-.64	-1.01	-.98	-1.00	10.9	-1.01
		15.2	-.02	-.37	-1.13	-1.01	-1.01	16.7	-1.02
		30.3	-.18	-.41	-1.22	-1.12	-1.04	21.2	-1.02
		45.3	-.30	-.43	-.68	-1.19	-1.07	46.5	-.99
		60.3	-.37	-.45	-.46	-1.25	-1.11	----	----
		80.3	-.40	-.48	-.49	-1.08	-1.19	----	----
		90.3	-.45	-.49	-.49	-.87	-1.07	----	----
	Lower	2.6	----	.33	.20	.14	.02	3.7	-.13
		7.7	.13	.29	.24	----	.17	----	----
		20.2	.18	.20	.18	.16	.14	21.3	.11
		35.2	.18	.14	.12	.11	.10	----	----
		50.2	.13	.10	.08	.07	.06	----	----
		65.2	.08	.05	.05	.04	.04	----	----
		85.2	.01	-.01	-.02	----	----	----	----
		c_n	----	.377	.592	.832	1.138	1.135	----	----

TABLE XI.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0005-63 SECTION. M, 0.11; R, 5.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P					%c for 0.90b/2	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		0.90b/2
-3	Upper	0	----	0.08	-0.01	-0.21	----	0	-0.79
		1.5	----	.15	.15	.14	0.13	2.4	-.07
		5.2	-0.01	.05	.06	.07	.10	6.2	.14
		10.3	-.01	.01	.02	.04	.05	10.9	.11
		15.2	0	-.01	-.01	0	.03	16.7	.08
		30.3	-.01	-.04	-.04	-.03	0	21.2	.04
		45.3	-.04	-.05	-.05	-.04	-.01	46.5	.03
		60.3	-.04	-.04	-.04	-.02	-.01	----	----
		80.3	-.02	-.02	-.02	0	.01	----	----
		90.3	-.02	0	.01	.02	.02	----	----
	Lower	2.6	----	-.24	-.43	-.55	-.72	3.7	-1.23
		7.7	-.05	-.20	-.29	----	-.40	----	----
		20.2	-.05	-.18	-.21	-.24	-.29	21.3	-.14
		35.2	-.09	-.15	-.18	-.19	-.21	----	----
		50.2	-.10	-.13	-.14	-.13	-.16	----	----
		65.2	-.09	-.11	-.10	-.10	-.09	----	----
		85.2	-.05	-.05	-.08	----	----	----	----
-2	Upper	0	----	.15	.07	-.01	----	0	-.24
		1.5	----	.10	.11	.09	.12	2.4	-.04
		5.2	-.03	0	0	.01	.04	6.2	.09
		10.3	-.02	-.03	-.04	-.02	0	10.9	.05
		15.2	-.02	-.05	-.05	-.05	0	16.7	.01
		30.3	-.02	-.07	-.07	-.07	-.04	21.2	-.01
		45.3	-.05	-.07	-.06	-.06	-.05	46.5	-.01
		60.3	-.06	-.06	-.06	-.04	-.04	----	----
		80.3	-.03	-.03	-.02	-.01	-.01	----	----
		90.3	-.03	-.01	0	.02	.01	----	----
	Lower	2.6	----	-.19	-.31	-.37	-.50	3.7	-.77
		7.7	-.04	-.16	-.24	----	-.38	----	----
		20.2	-.05	-.15	-.18	-.19	-.23	21.3	-.27
		35.2	-.08	-.14	-.15	-.16	-.17	----	----
		50.2	-.09	-.12	-.12	-.11	-.13	----	----
		65.2	-.08	-.10	-.09	-.09	-.08	----	----
		85.2	-.05	-.05	-.05	----	----	----	----
-1	Upper	0	----	.16	.15	.14	----	0	.07
		1.5	----	.05	.05	.02	.05	2.4	-.01
		5.2	-.03	-.05	-.06	-.06	-.04	6.2	-.01
		10.3	-.02	-.06	-.08	-.07	-.07	10.9	-.04
		15.2	-.02	-.07	-.09	-.09	-.07	16.7	-.05
		30.3	-.04	-.09	-.10	-.09	-.08	21.2	-.05
		45.3	-.06	-.09	-.09	-.09	-.07	46.5	-.04
		60.3	-.07	-.07	-.07	-.06	-.06	----	----
		80.3	-.03	-.03	-.03	-.02	-.02	----	----
		90.3	-.03	-.01	-.01	-.01	.01	----	----
	Lower	2.6	----	-.12	-.19	-.22	-.29	3.7	-.43
		7.7	-.03	-.13	-.17	----	-.23	----	----
		20.2	-.04	-.13	-.14	-.16	-.18	21.3	-.19
		35.2	-.07	-.12	-.13	-.13	-.15	----	----
		50.2	-.08	-.11	-.11	-.10	-.10	----	----
		65.2	-.08	-.09	-.08	-.08	-.05	----	----
		85.2	-.05	-.04	-.05	----	----	----	----

α_u	Surface	%c	P					%c for 0.90b/2	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		0.90b/2
0	Upper	0	----	0.17	0.17	0.19	----	0	0.17
		1.5	----	0	-.02	-.08	-0.07	2.4	-.15
		5.2	-0.04	-.09	-.12	-.13	-.14	6.2	-.15
		10.3	-.04	-.10	-.11	-.13	-.14	10.9	-.13
		15.2	-.04	-.10	-.12	-.14	-.14	16.7	-.14
		30.3	-.04	-.11	-.12	-.13	-.11	21.2	-.10
		45.3	-.08	-.10	-.10	-.11	-.10	46.5	-.07
		60.3	-.08	-.09	-.08	-.07	-.08	----	----
		80.3	-.05	-.05	-.04	-.03	-.02	----	----
		90.3	-.05	-.02	-.01	0	.01	----	----
	Lower	2.6	----	-.06	-.09	-.10	-.13	3.7	-.17
		7.7	-.03	-.10	-.12	----	-.14	----	----
		20.2	-.03	-.11	-.12	-.12	-.13	21.3	-.13
		35.2	-.06	-.11	-.12	-.11	-.12	----	----
		50.2	-.08	-.10	-.10	-.08	-.10	----	----
		65.2	-.07	-.08	-.09	-.07	-.06	----	----
		85.2	-.05	-.04	-.05	----	----	----	----
1	Upper	0	----	.14	.13	.14	----	0	.13
		1.5	----	-.07	-.11	-.18	-.23	2.4	-.13
		5.2	-.04	-.14	-.17	-.20	-.24	6.2	-.30
		10.3	-.04	-.13	-.16	-.18	-.20	10.9	-.23
		15.2	-.04	-.13	-.15	-.18	-.19	16.7	-.21
		30.3	-.06	-.12	-.14	-.15	-.15	21.2	-.15
		45.3	-.09	-.12	-.12	-.13	-.12	46.5	-.11
		60.3	-.09	-.09	-.09	-.17	-.09	----	----
		80.3	-.04	-.05	-.05	-.04	-.02	----	----
		90.3	-.05	-.02	-.01	0	0	----	----
	Lower	2.6	----	-.01	-.02	-.01	-.02	3.7	0
		7.7	-.02	-.06	-.08	----	-.06	----	----
		20.2	-.02	-.08	-.09	-.09	-.09	21.3	-.06
		35.2	-.02	-.09	-.10	-.09	-.08	----	----
		50.2	-.06	-.08	-.08	-.07	-.07	----	----
		65.2	-.05	-.07	-.06	-.06	-.05	----	----
		85.2	-.03	-.03	-.04	----	----	----	----
2	Upper	0	----	.10	.03	.04	----	0	-.07
		1.5	----	-.15	-.24	-.33	-.47	2.4	-.28
		5.2	-.05	-.18	-.25	-.30	-.36	6.2	-.50
		10.3	-.04	-.16	-.21	-.25	-.29	10.9	-.35
		15.2	-.05	-.16	-.19	-.23	-.25	16.7	-.30
		30.3	-.07	-.14	-.16	-.18	-.18	21.2	-.21
		45.3	-.10	-.13	-.13	-.14	-.14	46.5	-.15
		60.3	-.07	-.11	-.10	-.09	-.11	----	----
		80.3	-.06	-.06	-.06	-.05	-.04	----	----
		90.3	-.05	-.02	-.01	-.01	-.01	----	----
	Lower	2.6	----	.05	.04	.06	.08	3.7	.11
		7.7	-.01	-.01	-.03	----	.01	----	----
		20.2	-.01	-.06	-.06	-.06	-.05	21.3	0
		35.2	-.03	-.07	-.08	-.06	-.05	----	----
		50.2	-.05	-.07	-.06	-.05	-.05	----	----
		65.2	-.05	-.06	-.05	-.05	-.03	----	----
		85.2	-.03	-.03	-.03	----	----	----	----

TABLE XI.- CONTINUED

(b) α_u, 3, 4, 5, 6, 8, 10

α_u	Surface	$\%_c$	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	$\%_a$ for 0.90b/2	P 0.90b/2
3	Upper	0	----	0.04	-0.13	-0.15	----	0	-0.42
		1.5	----	-.23	-.39	-.50	-0.76	2.4	-.55
		5.2	-0.05	-.23	-.32	-.40	-.55	6.2	-.72
		10.3	-.05	-.19	-.26	-.32	-.35	10.9	-.50
		15.2	-.05	-.18	-.23	-.25	-.31	16.7	-.41
		30.3	-.08	-.15	-.18	-.20	-.22	21.2	-.28
		45.3	-.11	-.14	-.14	-.16	-.16	46.5	-.19
		60.3	-.10	-.11	-.11	-.11	-.12	----	----
		80.3	-.06	-.06	-.06	-.05	-.06	----	----
		90.3	-.05	-.03	-.02	-.01	-.01	----	----
	Lower	2.6	----	-.05	-.14	-.12	.13	3.7	.16
		7.7	-.01	.02	.02	----	.07	----	----
		20.2	0	-.04	-.02	-.02	-.01	21.3	.04
		35.2	-.02	-.05	-.05	-.03	-.02	----	----
		50.2	-.03	-.05	-.05	-.03	-.03	----	----
		65.2	-.03	-.05	-.04	-.03	-.01	----	----
		85.2	-.03	-.02	-.03	----	----	----	----
4	Upper	0	----	-.06	-.31	-.40	----	0	-.71
		1.5	----	-.32	-.55	-.70	-1.09	2.4	-.67
		5.2	-.05	-.29	-.40	-.49	-.63	6.2	-.97
		10.3	-.05	-.22	-.30	-.37	-.46	10.9	-.71
		15.2	-.06	-.21	-.26	-.32	-.39	16.7	-.59
		30.3	-.08	-.17	-.20	-.23	-.27	21.2	-.39
		45.3	-.12	-.15	-.16	-.18	-.20	46.5	-.25
		60.3	-.12	-.12	-.12	-.12	-.15	----	----
		80.3	-.07	-.07	-.07	-.06	-.07	----	----
		90.3	-.06	-.03	-.02	-.01	-.02	----	----
	Lower	2.6	----	.13	.14	.16	.15	3.7	.15
		7.7	0	.05	.06	----	.12	----	----
		20.2	.02	-.01	0	.02	.03	21.3	.08
		35.2	-.01	-.03	-.03	-.01	.01	----	----
		50.2	-.02	-.04	-.03	-.01	0	----	----
		65.2	-.02	-.04	-.03	-.01	.02	----	----
		85.2	-.02	-.02	-.02	----	----	----	----
5	Upper	0	----	-.07	-.58	-.77	----	0	-1.06
		1.5	----	-.45	-.76	-.95	-1.53	2.4	-.79
		5.2	-.06	-.35	-.49	-.62	-.82	6.2	-1.16
		10.3	-.06	-.27	-.37	-.45	-.59	10.9	-1.09
		15.2	-.07	-.24	-.32	-.39	-.48	16.7	-1.13
		30.3	-.10	-.20	-.24	-.27	-.33	21.2	-.91
		45.3	-.13	-.17	-.19	-.21	-.36	46.5	-.32
		60.3	-.12	-.14	-.14	-.15	-.17	----	----
		80.3	-.07	-.07	-.07	-.07	-.08	----	----
		90.3	-.06	-.03	-.02	-.02	-.03	----	----
	Lower	2.6	----	.15	.15	.16	.12	3.7	.11
		7.7	.01	.08	.09	----	.17	----	----
		20.2	.02	.01	.03	.04	.07	21.3	.12
		35.2	.01	-.01	-.01	.02	.03	----	----
		50.2	0	-.02	-.01	.01	.02	----	----
		65.2	-.01	-.02	-.01	0	.03	----	----
		85.2	-.01	-.01	-.01	----	----	----	----

α_u	Surface	$\%_a$	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	$\%_a$ for 0.90b/2	P 0.90b/2
6	Upper	0	----	-0.36	-0.91	-1.21	----	0	-1.26
		1.5	----	-.57	-.99	-1.18	-2.08	2.4	-.83
		5.2	-0.08	-.42	-.79	-.76	-1.01	6.2	-1.20
		10.3	-.08	-.31	-.44	-.54	-.71	10.9	-1.21
		15.2	-.08	-.28	-.37	-.45	-.58	16.7	-1.27
		30.3	-.12	-.23	-.27	-.32	-.39	21.2	-1.45
		45.3	-.15	-.19	-.21	-.24	-.28	46.5	-.77
		60.3	-.14	-.16	-.17	-.17	-.21	----	----
		80.3	-.08	-.08	-.09	-.09	-.10	----	----
		90.3	-.07	-.04	-.03	-.03	-.05	----	----
	Lower	2.6	----	.17	.16	-.34	.06	3.7	.05
		7.7	.02	.11	.11	----	.17	----	----
		20.2	.03	.03	.05	.07	.09	21.3	.14
		35.2	.02	0	.01	.03	.05	----	----
		50.2	0	-.01	-.01	.02	.03	----	----
		65.2	-.01	-.02	-.01	.01	.03	----	----
		85.2	-.01	-.01	-.01	----	----	----	----
8	Upper	0	----	-.78	-1.75	-2.36	----	0	-1.24
		1.5	----	-.85	-1.51	-1.66	-3.43	2.4	-.75
		5.2	-.08	-.54	-.82	-1.06	-1.41	6.2	-1.04
		10.3	-.09	-.39	-.78	-.73	-.98	10.9	-1.06
		15.2	-.09	-.34	-.47	-.59	-.82	16.7	-1.07
		30.3	-.14	-.26	-.33	-.40	-.53	21.2	-1.17
		45.3	-.17	-.22	-.25	-.30	-.36	46.5	-1.16
		60.3	-.15	-.06	-.19	-.21	-.27	----	----
		80.3	-.08	-.10	-.11	-.11	-.13	----	----
		90.3	-.07	-.04	-.04	-.05	-.07	----	----
	Lower	2.6	----	.21	.13	.07	-.14	3.7	.07
		7.7	.03	.16	.16	----	.17	----	----
		20.2	.06	.08	.10	.12	.14	21.3	.17
		35.2	.05	.04	.05	.08	.10	----	----
		50.2	.03	.02	.03	.06	.07	----	----
		65.2	.03	.01	.02	.03	.06	----	----
		85.2	.01	.01	0	----	----	----	----
10	Upper	0	----	-1.30	-2.79	-3.80	----	0	-.78
		1.5	----	-1.14	-2.99	-2.27	-2.73	2.4	-.52
		5.2	-.08	-.67	-1.04	-1.33	-3.31	6.2	-.69
		10.3	-.09	-.46	-.71	-.91	-2.39	10.9	-.73
		15.2	-.09	-.39	-.57	-.81	-1.48	16.7	-.74
		30.3	-.15	-.30	-.39	-.49	-.68	21.2	-.72
		45.3	-.18	-.25	-.29	-.35	-.33	46.5	-.72
		60.3	-.16	-.19	-.21	-.25	-.26	----	----
		80.3	-.09	-.10	-.12	-.14	-.17	----	----
		90.3	-.07	-.05	-.05	-.07	-.10	----	----
	Lower	2.6	----	.22	.06	.09	.26	3.7	.04
		7.7	.07	.21	.19	----	.19	----	----
		20.2	.10	.13	.15	.17	.19	21.3	.17
		35.2	.09	.11	.10	.13	.14	----	----
		50.2	.07	.06	.07	.10	.10	----	----
		65.2	.06	.05	.06	.06	.09	----	----
		85.2	.03	.03	.02	----	----	----	----

TABLE XI.- CONCLUDED

(c) α_u, 12, 14, 16, 18, 20, 22, 24

α_u	Surface	%c	P					%c for 0.90b/2	P 0.90b/2
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		
12	Upper	0	----	-1.96	-4.05	-3.32	----	0	-0.64
		1.5	----	-1.47	-2.63	-2.43	-1.46	2.4	-.46
		5.2	-0.09	-.82	-1.26	-1.55	-1.50	6.2	-.59
		10.3	-.10	-.56	-.90	-1.54	-1.52	10.9	-.60
		15.2	-.12	-.48	-.82	-1.76	-1.50	16.7	-.61
		30.3	-.18	-.36	-.43	-.72	-1.66	21.2	-.59
		45.3	-.21	-.28	-.35	-.38	-1.21	46.5	-.57
		60.3	-.18	-.22	-.27	-.25	-.83	----	----
		80.3	-.10	-.12	-.06	-.15	-.49	----	----
		90.3	-.09	-.06	-.09	-.08	-.36	----	----
	Lower	2.6	----	.20	-.07	-.29	-.20	3.7	-.09
		7.7	.09	.24	.20	----	.19	----	----
		20.2	.12	.17	.19	.21	.21	21.3	.17
		35.2	.12	.13	.14	.16	.16	----	----
		50.2	.10	.09	.10	.12	.11	----	----
		65.2	.08	.07	.07	.08	.09	----	----
		85.2	.05	.04	.02	----	----	----	----
14	Upper	0	----	-2.72	-5.42	-2.09	----	0	-.58
		1.5	----	-1.83	-3.16	-2.04	-1.03	2.4	-.43
		5.2	-.08	-.96	-1.41	-2.13	-1.03	6.2	-.54
		10.3	-.11	-.69	-1.65	-2.23	-1.03	10.9	-.54
		15.2	-.14	-.61	-1.89	-2.40	-.99	16.7	-.55
		30.3	-.20	-.39	-.48	-1.45	-1.05	21.2	-.54
		45.3	-.22	-.32	-.34	-.51	-1.08	46.5	-.53
		60.3	-.19	-.25	-.26	-.34	-.93	----	----
		80.3	-.10	-.13	-.16	-.24	-.72	----	----
		90.3	-.09	-.07	-.09	-.13	-.61	----	----
	Lower	2.6	----	.16	-.24	-.21	-.18	3.7	-.13
		7.7	.12	.28	.21	----	.20	----	----
		20.2	.16	.23	.24	.24	.22	21.3	.16
		35.2	.17	.18	.18	.20	.18	----	----
		50.2	.15	.14	.14	.15	.13	----	----
		65.2	.12	.10	.10	.10	.09	----	----
		85.2	.08	.07	.04	----	----	----	----
16	Upper	0	----	-3.65	-6.52	-1.76	----	0	-.55
		1.5	----	-2.25	-2.96	-1.77	-.92	2.4	-.45
		5.2	-.12	-1.10	-1.81	-1.83	-.96	6.2	-.53
		10.3	-.14	-.94	-1.87	-1.79	-1.03	10.9	-.53
		15.2	-.17	-.75	-2.03	-1.91	-1.02	16.7	-.55
		30.3	-.24	-.45	-.49	-1.93	-1.03	21.2	-.54
		45.3	-.26	-.38	-.33	-1.23	-1.01	46.5	-.53
		60.3	-.21	-.29	-.32	-.78	-.92	----	----
		80.3	-.12	-.17	-.20	-.41	-.78	----	----
		90.3	-.10	-.10	-.11	-.29	-.69	----	----
	Lower	2.6	----	.09	-.40	-.26	-.23	3.7	-.18
		7.7	.15	.30	.23	----	.17	----	----
		20.2	.19	.27	.28	.27	.23	21.3	.16
		35.2	.20	.22	.22	.22	.19	----	----
		50.2	.18	.17	.17	.17	.14	----	----
		65.2	.15	.13	.13	.11	.10	----	----
		85.2	.09	.07	.05	----	----	----	----

α_u	Surface	%c	P					%c for 0.90b/2	P 0.90b/2
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		
18	Upper	0	----	-4.69	-2.86	-1.37	----	0	-0.53
		1.5	----	-2.68	-2.73	-1.37	-0.99	2.4	-.46
		5.2	-0.12	-1.30	-2.93	-1.45	-1.01	6.2	-.53
		10.3	-.17	-1.33	-3.44	-1.47	-1.02	10.9	-.53
		15.2	-.20	-.67	-3.08	-1.54	-.99	16.7	-.55
		30.3	-.28	-.50	-.65	-1.73	-.96	21.2	-.54
		45.3	-.28	-.41	-.55	-1.35	-.96	46.5	-.53
		60.3	-.21	-.34	-.40	-1.00	-.93	----	----
		80.3	-.12	-.20	-.24	-.67	-.82	----	----
		90.3	-.11	-.12	-.15	-.49	-.73	----	----
	Lower	2.6	----	.01	-.37	-.26	-.34	3.7	-.22
		7.7	.18	.32	.23	----	.14	----	----
		20.2	.23	.32	.31	.28	.24	21.3	.16
		35.2	.25	.27	.25	.25	.21	----	----
		50.2	.23	.22	.20	.19	.15	----	----
		65.2	.19	.17	.15	.13	.10	----	----
		85.2	.11	.10	.05	----	----	----	----
20	Upper	0	----	-5.84	-2.68	-1.35	----	0	-.55
		1.5	----	-2.86	-2.66	-1.51	-.94	2.4	-.48
		5.2	-.17	-1.63	-2.82	-1.65	-.98	6.2	-.54
		10.3	-.20	-1.90	-3.30	-1.62	-1.01	10.9	-.55
		15.2	-.23	-.53	-3.52	-1.60	-1.00	16.7	-.57
		30.3	-.31	-.55	-1.47	-1.65	-.98	21.2	-.56
		45.3	-.29	-.48	-.77	-1.42	-.97	46.5	-.54
		60.3	-.21	-.39	-.55	-1.14	-.94	----	----
		80.3	-.14	-.25	-.35	-.81	-.83	----	----
		90.3	-.13	-.17	-.23	-.62	-.75	----	----
	Lower	2.6	----	-.11	-.48	-.38	-.39	3.7	-.29
		7.7	.21	.33	.22	----	.12	----	----
		20.2	.27	.37	.34	.30	.25	21.3	.15
		35.2	.29	.32	.29	.27	.22	----	----
		50.2	.26	.25	.23	.22	.17	----	----
		65.2	.22	.19	.17	.14	.11	----	----
		85.2	.13	.12	.06	----	----	----	----
22	Upper	0	----	-7.20	-2.67	-1.32	----	0	-.58
		1.5	----	-3.75	-2.66	-1.49	-.98	2.4	-.53
		5.2	-.20	-2.42	-2.64	-1.57	-1.02	6.2	-.58
		10.3	-.24	-2.24	-2.92	-1.55	-1.05	10.9	-.59
		15.2	-.26	-.63	-3.03	-1.57	-1.04	16.7	-.60
		30.3	-.34	-.65	-1.78	-1.60	-1.02	21.2	-.59
		45.3	-.30	-.57	-1.13	-1.42	-.99	46.5	-.58
		60.3	-.22	-.46	-.77	-1.19	-.94	----	----
		80.3	-.17	-.32	-.50	-.92	-.84	----	----
		90.3	-.17	-.21	-.35	-.73	-.76	----	----
	Lower	2.6	----	-.26	-.58	-.45	-.48	3.7	-.36
		7.7	.24	.33	.21	----	.08	----	----
		20.2	.30	.41	.36	.31	.25	21.3	.14
		35.2	.34	.35	.31	.29	.24	----	----
		50.2	.30	.29	.25	.24	.18	----	----
		65.2	.25	.22	.19	.16	.12	----	----
		85.2	.15	.12	.06	----	----	----	----

α_u	Surface	%c	P					%c for 0.90b/2	P 0.90b/2
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		
24	Upper	0	----	-8.67	-2.36	-1.28	----	0	-0.58
		1.5	----	-3.93	-2.37	-1.50	-0.98	2.4	-.55
		5.2	-0.22	-2.74	-2.45	-1.52	-1.01	6.2	-.58
		10.3	-.35	-2.82	-2.52	-1.52	-1.03	10.9	-.59
		15.2	-.29	-.87	-2.53	-1.53	-1.02	16.7	-.60
		30.3	-.36	-.72	-1.55	-1.50	-1.00	21.2	-.59
		45.3	-.34	-.67	-1.38	-1.36	-.96	46.5	-.58
		60.3	-.28	-.54	-.99	-1.17	-.91	----	----
		80.3	-.20	-.36	-.65	-.95	-.80	----	----
		90.3	-.18	-.22	-.47	-.80	-.73	----	----
	Lower	2.6	----	-.42	-.61	-.51	-.54	3.7	-.39
		7.7	.28	.35	.20	----	.06	----	----
		20.2	.35	.47	.39	.33	.26	21.3	.14
		35.2	.39	.41	.35	.32	.25	----	----
		50.2	.31	.33	.29	.27	.20	----	----
		65.2	.29	.26	.22	.18	.14	----	----
		85.2	.18	.15	.07	----	----	----	----

TABLE XII.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0005-63 SECTION. M, 0.24; R, 5.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
-3	Upper	0	----	0.09	-0.01	-0.20	----	0	-0.70
		1.5	----	.14	.14	.13	0.13	2.4	-.08
		5.2	-0.02	.03	.05	.06	.09	6.2	.13
		10.3	-.01	0	0	.02	.04	10.9	.10
		15.2	0	-.02	-.02	-.01	.01	16.7	.06
		30.3	0	-.05	-.04	-.04	-.02	21.2	.03
		45.3	-.04	-.05	-.05	-.04	-.02	46.5	.01
		60.3	-.04	-.05	-.04	-.03	-.02	----	----
		80.3	-.02	-.03	-.02	-.01	.01	----	----
		90.3	-.03	-.01	.01	.02	.02	----	----
	Lower	2.6	----	-.27	-.43	-.54	-.70	3.7	-1.16
		7.7	-.04	-.20	-.28	----	-.40	----	----
		20.2	-.06	-.18	-.21	-.24	-.28	21.3	-.37
		35.2	-.09	-.16	-.18	-.19	-.21	----	----
		50.2	-.11	-.14	-.14	-.14	-.16	----	----
		65.2	-.09	-.11	-.10	-.10	-.09	----	----
		85.2	-.06	-.05	-.06	----	----	----	----
-2	Upper	0	----	.14	.08	0	----	0	-.21
		1.5	----	.10	.10	.08	.12	2.4	-.04
		5.2	-.03	-.01	-.01	0	.03	6.2	.08
		10.3	-.02	-.04	-.05	-.03	-.01	10.9	.03
		15.2	-.02	-.05	-.06	-.05	-.03	16.7	.01
		30.3	-.02	-.07	-.07	-.07	-.05	21.2	-.02
		45.3	-.06	-.08	-.07	-.06	-.05	46.5	-.02
		60.3	-.06	-.07	-.06	-.04	-.04	----	----
		80.3	-.04	-.04	-.03	-.02	-.01	----	----
		90.3	-.04	-.01	0	.01	0	----	----
	Lower	2.6	----	-.19	-.31	-.37	-.49	3.7	-.76
		7.7	-.02	-.17	-.24	----	-.38	----	----
		20.2	-.05	-.16	-.19	-.19	-.23	21.3	-.28
		35.2	-.09	-.14	-.16	-.16	-.18	----	----
		50.2	-.10	-.13	-.13	-.12	-.14	----	----
		65.2	-.09	-.10	-.10	-.10	-.08	----	----
		85.2	-.06	-.05	-.06	----	----	----	----
-1	Upper	0	----	.16	.16	.16	----	0	.08
		1.5	----	.05	.05	.01	.05	2.4	-.01
		5.2	-.04	-.06	-.07	-.06	-.05	6.2	-.02
		10.3	-.03	-.08	-.09	-.09	-.08	10.9	-.04
		15.2	-.03	-.08	-.10	-.10	-.09	16.7	-.06
		30.3	-.04	-.09	-.10	-.10	-.09	21.2	-.06
		45.3	-.07	-.09	-.10	-.09	-.08	46.5	-.05
		60.3	-.08	-.08	-.07	-.06	-.06	----	----
		80.3	-.05	-.05	-.04	-.03	-.02	----	----
		90.3	-.04	-.02	-.01	.01	.01	----	----
	Lower	2.6	----	-.12	-.19	-.22	-.29	3.7	-.43
		7.7	-.03	-.13	-.17	----	-.24	----	----
		20.2	-.04	-.14	-.15	-.16	-.18	21.3	-.20
		35.2	-.08	-.13	-.14	-.14	-.15	----	----
		50.2	-.09	-.11	-.11	-.11	-.11	----	----
		65.2	-.08	-.09	-.09	-.08	-.05	----	----
		85.2	-.05	-.05	-.05	----	----	----	----

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
0	Upper	0	----	0.16	0.17	0.19	----	0	0.16
		1.5	----	-.01	-.03	-.09	-.07	2.4	-.15
		5.2	-.05	-.11	-.13	-.14	-.15	6.2	-.16
		10.3	-.04	-.11	-.13	-.14	-.15	10.9	-.14
		15.2	-.04	-.11	-.13	-.14	-.15	16.7	-.15
		30.3	-.05	-.11	-.12	-.14	-.13	21.2	-.11
		45.3	-.09	-.11	-.11	-.11	-.10	46.5	-.09
		60.3	-.09	-.10	-.09	-.08	-.08	----	----
		80.3	-.05	-.05	-.05	-.04	-.03	----	----
		90.3	-.05	-.03	-.01	0	0	----	----
	Lower	2.6	----	-.07	-.10	-.11	-.13	3.7	-.17
		7.7	-.03	-.10	-.13	----	-.14	----	----
		20.2	-.03	-.11	-.13	-.12	-.13	21.3	-.13
		35.2	-.06	-.11	-.12	-.11	-.12	----	----
		50.2	-.08	-.10	-.10	-.09	-.10	----	----
		65.2	-.07	-.09	-.07	-.07	-.05	----	----
		85.2	-.05	-.05	-.05	----	----	----	----
1	Upper	0	----	.15	.13	.16	----	0	.12
		1.5	----	-.07	-.12	-.19	-.23	2.4	-.14
		5.2	-.04	-.14	-.17	-.21	-.24	6.2	-.32
		10.3	-.04	-.13	-.16	-.18	-.21	10.9	-.24
		15.2	-.04	-.13	-.16	-.17	-.19	16.7	-.22
		30.3	-.05	-.12	-.14	-.15	-.15	21.2	-.16
		45.3	-.09	-.12	-.12	-.12	-.12	46.5	-.11
		60.3	-.09	-.10	-.09	-.08	-.09	----	----
		80.3	-.05	-.05	-.04	-.04	-.03	----	----
		90.3	-.04	-.02	-.01	0	.01	----	----
	Lower	2.6	----	-.01	-.02	-.01	-.01	3.7	.01
		7.7	-.01	-.05	-.07	----	-.05	----	----
		20.2	-.02	-.08	-.09	-.09	-.08	21.3	-.06
		35.2	-.04	-.09	-.09	-.09	-.08	----	----
		50.2	-.06	-.08	-.08	-.07	-.07	----	----
		65.2	-.05	-.07	-.05	-.04	-.05	----	----
		85.2	-.04	-.03	-.04	----	----	----	----
2	Upper	0	----	-.11	.02	.03	----	0	-.11
		1.5	----	-.16	-.25	-.35	-.49	2.4	-.31
		5.2	-.05	-.19	-.26	-.32	-.38	6.2	-.54
		10.3	-.04	-.17	-.23	-.26	-.31	10.9	-.37
		15.2	-.05	-.16	-.21	-.24	-.26	16.7	-.32
		30.3	-.07	-.15	-.16	-.17	-.20	21.2	-.22
		45.3	-.10	-.13	-.14	-.14	-.15	46.5	-.16
		60.3	-.10	-.11	-.11	-.10	-.11	----	----
		80.3	-.06	-.06	-.05	-.05	-.04	----	----
		90.3	-.05	-.03	-.01	-.01	-.02	----	----
	Lower	2.6	----	.04	.04	.06	.08	3.7	.12
		7.7	-.01	-.02	-.03	----	.02	----	----
		20.2	-.01	-.06	-.06	-.05	-.04	21.3	.01
		35.2	-.03	-.07	-.08	-.06	-.05	----	----
		50.2	-.05	-.07	-.06	-.05	-.05	----	----
		65.2	-.05	-.06	-.05	-.04	-.03	----	----
		85.2	-.03	-.03	-.04	----	----	----	----

NACA

TABLE XII.- CONTINUED

(b) α_u, 3, 4, 5, 6, 8, 10

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
3	Upper	0	----	0.03	-0.13	-0.16	----	0	-0.41
		1.5	----	-.24	-.40	-.32	-0.77	2.4	-.53
		5.2	-0.06	-.24	-.34	-.42	-.56	6.2	-.76
		10.3	-.05	-.20	-.28	-.33	-.37	10.9	-.53
		15.2	-.05	-.18	-.24	-.26	-.33	16.7	-.44
		30.3	-.08	-.16	-.19	-.21	-.24	21.2	-.30
		45.3	-.11	-.14	-.15	-.16	-.18	46.5	-.22
		60.3	-.11	-.12	-.12	-.11	-.13	----	----
		80.3	-.07	-.07	-.06	-.06	-.05	----	----
		90.3	-.05	-.03	-.02	-.01	-.01	----	----
	Lower	2.6	----	.09	.10	.12	.13	3.7	.16
		7.7	.01	.02	.02	----	-.03	----	----
		20.2	.01	-.03	-.03	-.02	-.05	21.3	-.05
		35.2	-.02	-.05	-.05	-.04	-.02	----	----
		50.2	-.04	-.05	-.05	-.03	-.03	----	----
		65.2	-.04	-.05	-.04	-.03	-.01	----	----
		85.2	-.03	-.02	-.03	----	----	----	----
4	Upper	0	----	-.08	-.35	-.45	----	0	-.73
		1.5	----	-.35	-.59	-.74	-1.15	2.4	-.64
		5.2	-.06	-.28	-.42	-.51	-.66	6.2	-1.00
		10.3	-.06	-.24	-.33	-.39	-.50	10.9	-.78
		15.2	-.06	-.22	-.29	-.34	-.42	16.7	-.67
		30.3	-.09	-.19	-.22	-.25	-.29	21.2	-.77
		45.3	-.13	-.16	-.17	-.19	-.22	46.5	-.29
		60.3	-.12	-.14	-.14	-.14	-.16	----	----
		80.3	-.08	-.08	-.07	-.07	-.03	----	----
		90.3	-.06	-.04	-.03	-.02	.12	----	----
	Lower	2.6	----	.12	.13	.15	.14	3.7	.14
		7.7	0	.05	.06	----	.04	----	----
		20.2	0	-.01	0	.02	.01	21.3	.09
		35.2	-.01	-.03	-.03	-.01	0	----	----
		50.2	-.03	-.04	-.04	-.01	.02	----	----
		65.2	-.03	-.04	-.03	-.02	.01	----	----
		85.2	-.02	-.02	-.03	----	----	----	----
5	Upper	0	----	-.20	-.60	-.77	----	0	-1.00
		1.5	----	-.36	-.78	-.97	-1.55	2.4	-.74
		5.2	-.07	-.36	-.50	-.64	-.83	6.2	-1.10
		10.3	-.07	-.28	-.38	-.47	-.60	10.9	-1.04
		15.2	-.07	-.25	-.33	-.39	-.50	16.7	-1.08
		30.3	-.11	-.21	-.25	-.28	-.34	21.2	-1.07
		45.3	-.14	-.18	-.19	-.21	-.42	46.5	-.49
		60.3	-.13	-.15	-.15	-.15	-.18	----	----
		80.3	-.08	-.08	-.08	-.08	-.09	----	----
		90.3	-.07	-.04	-.03	-.03	-.04	----	----
	Lower	2.6	----	.15	.15	.16	.12	3.7	.11
		7.7	.02	.07	.09	----	.15	----	----
		20.2	.02	.01	-.02	.04	.07	21.3	.12
		35.2	.01	-.02	-.01	.01	.03	----	----
		50.2	-.01	-.03	-.02	0	.02	----	----
		65.2	-.02	-.03	-.02	0	.03	----	----
		85.2	-.02	-.01	-.02	----	----	----	----

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
6	Upper	0	----	-0.37	-0.95	-1.24	----	0	-1.17
		1.5	----	-.58	-1.03	-1.23	-2.19	2.4	-.74
		5.2	-0.07	-.42	-.61	-.79	-1.04	6.2	-1.09
		10.3	-.07	-.32	-.45	-.56	-.74	10.9	-1.09
		15.2	-.08	-.28	-.38	-.46	-.60	16.7	-1.11
		30.3	-.12	-.23	-.27	-.32	-.41	21.2	-1.39
		45.3	-.15	-.19	-.21	-.24	-.30	46.5	-1.10
		60.3	-.14	-.16	-.16	-.17	-.20	----	----
		80.3	-.08	-.09	-.09	-.09	-.10	----	----
		90.3	-.07	-.04	-.03	-.03	-.04	----	----
	Lower	2.6	----	.18	.16	.15	.06	3.7	.06
		7.7	.03	.11	.12	----	.17	----	----
		20.2	.04	.03	.05	.07	.10	21.3	.15
		35.2	.02	.01	.02	.04	.06	----	----
		50.2	.01	-.01	0	.02	.04	----	----
		65.2	0	-.01	0	.01	.04	----	----
		85.2	-.01	-.01	-.01	----	----	----	----
8	Upper	0	----	-.78	-1.72	-2.32	----	0	-1.00
		1.5	----	-.85	-1.53	-1.66	-3.53	2.4	-.58
		5.2	-.08	-.54	-.82	-1.59	-1.41	6.2	-.83
		10.3	-.08	-.39	-.58	-.74	-1.07	10.9	-.86
		15.2	-.09	-.34	-.47	-.60	-.90	16.7	-.87
		30.3	-.13	-.26	-.33	-.41	-.63	21.2	-.88
		45.3	-.17	-.22	-.25	-.30	-.42	46.5	-.97
		60.3	-.15	-.18	-.19	-.21	-.27	----	----
		80.3	-.09	-.10	-.10	-.10	-.16	----	----
		90.3	-.07	-.05	-.04	-.05	-.09	----	----
	Lower	2.6	----	.21	.14	.07	-.12	3.7	-.01
		7.7	.05	.16	.16	----	.18	----	----
		20.2	.07	.08	.10	.12	.15	21.3	.17
		35.2	.06	.05	.06	.08	.11	----	----
		50.2	.04	.03	.04	.06	.07	----	----
		65.2	.03	.02	.03	.04	.07	----	----
		85.2	.01	.01	.01	----	----	----	----
10	Upper	0	----	-1.31	-2.80	-3.81	----	0	-.77
		1.5	----	-1.17	-2.02	-2.23	-1.81	2.4	-.49
		5.2	-.08	-.69	-1.06	-1.32	-1.86	6.2	-.69
		10.3	-.09	-.47	-.73	-1.02	-1.93	10.9	-.70
		15.2	-.10	-.40	-.60	-.96	-2.49	16.7	-.70
		30.3	-.65	-.31	-.41	-.46	-1.12	21.2	-.68
		45.3	-.18	-.26	-.30	-.35	-.34	46.5	-.65
		60.3	-.17	-.20	-.23	-.24	-.21	----	----
		80.3	-.10	-.11	-.12	-.14	-.14	----	----
		90.3	-.08	-.05	-.06	-.07	-.08	----	----
	Lower	2.6	----	.21	.06	-.09	-.14	3.7	-.05
		7.7	.07	.21	.19	----	.20	----	----
		20.2	.10	.13	.15	.17	.19	21.3	.17
		35.2	.09	.09	.10	.13	.14	----	----
		50.2	.07	.07	.07	.09	.10	----	----
		65.2	.06	.05	.06	.06	.08	----	----
		85.2	.03	.03	.02	----	----	----	----

TABLE XII.- CONCLUDED

(c) α_u, 12, 14, 16, 18, 20, 22, 24

α_u	Surface	%c	P 0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	%c for 0.90b/2	P 0.90b/2
12	Upper	0	----	-1.93	-4.07	-2.63	----	0	-0.59
		1.5	----	-1.32	-2.62	-1.81	-1.32	2.4	-.42
		5.2	-0.10	-.84	-1.28	-1.78	-1.34	6.2	-.56
		10.3	-.11	-.57	-1.00	-1.69	-1.35	10.9	-.57
		15.2	-.14	-.51	-.97	-1.49	-1.32	16.7	-.58
		30.3	-.18	-.40	-.47	-.66	-1.44	21.2	-.60
		45.3	-.23	-.29	-.39	-.38	-1.36	46.5	-.59
		60.3	-.19	-.26	-.29	-.27	-.96	----	----
		80.3	-.12	-.13	-.16	-.16	-.61	----	----
		90.3	-.09	-.08	-.09	-.10	-.46	----	----
	Lower	2.6	----	.18	-.08	-.24	-.18	3.7	-.10
		7.7	.09	.23	.20	----	.18	----	----
		20.2	.12	.17	.18	.20	.20	21.3	.14
		35.2	.12	.17	.13	.15	.15	----	----
		50.2	.10	.09	.10	.11	.10	----	----
		65.2	.08	.07	.07	.07	.07	----	----
		85.2	.04	.04	.05	----	----	----	----
14	Upper	0	----	-2.70	-5.30	-1.69	----	0	-.56
		1.5	----	-1.87	-2.85	-1.72	-.85	2.4	-.42
		5.2	-.58	-.95	-1.53	-1.77	-.93	6.2	-.55
		10.3	-.60	-.73	-1.34	-1.65	-.96	10.9	-.56
		15.2	-.17	-.65	-1.47	-2.12	-1.01	16.7	-.55
		30.3	-.22	-.42	-.57	-1.88	-1.04	21.2	-.56
		45.3	-.26	-.33	-.35	-.66	-1.09	46.5	-.51
		60.3	-.22	-.27	-.28	-.50	-.95	----	----
		80.3	-.12	-.15	-.16	-.27	-.73	----	----
		90.3	-.09	-.08	-.08	-.16	-.62	----	----
	Lower	2.6	----	.16	-.20	-.17	-.16	3.7	-.15
		7.7	.13	.28	.23	----	.19	----	----
		20.2	.16	.23	.24	.24	.22	21.3	.16
		35.2	.17	.18	.18	.19	.17	----	----
		50.2	.15	.14	.14	.14	.12	----	----
		65.2	.12	.11	.10	.10	.09	----	----
		85.2	.07	.07	.08	----	----	----	----
16	Upper	0	----	-3.61	-2.39	-1.41	----	0	-.52
		1.5	----	-2.29	-2.35	-1.44	-1.00	2.4	-.43
		5.2	-.16	-1.11	-2.73	-1.47	-1.04	6.2	-.51
		10.3	-.15	-.99	-3.28	-1.53	-1.04	10.9	-.53
		15.2	-.18	-.75	-2.33	-1.44	-1.02	16.7	-.51
		30.3	-.26	-.49	-.49	-1.79	-.95	21.2	-.53
		45.3	-.27	-.38	-.40	-1.24	-.97	46.5	-.50
		60.3	-.22	-.31	-.37	-.85	-.90	----	----
		80.3	-.12	-.17	-.19	-.51	-.77	----	----
		90.3	-.10	-.10	-.11	-.36	-.68	----	----
	Lower	2.6	----	.10	-.18	-.18	-.26	3.7	-.18
		7.7	.16	.31	.24	----	.17	----	----
		20.2	.20	.28	.27	.26	.23	21.3	.16
		35.2	.22	.23	.22	.22	.19	----	----
		50.2	.19	.18	.17	.17	.14	----	----
		65.2	.15	.13	.12	.11	.09	----	----
		85.2	.09	.08	.09	----	----	----	----

α_u	Surface	%c	P 0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	%c for 0.90b/2	P 0.90b/2
18	Upper	0	----	-4.67	-2.33	-1.39	----	0	-.51
		1.5	----	-2.69	-2.30	-1.51	-.89	2.4	-.45
		5.2	-.15	-1.37	-2.41	-1.53	-.97	6.2	-.51
		10.3	-.16	-1.41	-3.00	-1.56	-.96	10.9	-.53
		15.2	-.21	-.65	-3.83	-1.50	-.99	16.7	-.52
		30.3	-.28	-.50	-.98	-1.63	-.90	21.2	-.54
		45.3	-.29	-.41	-.64	-1.38	-.95	46.5	-.50
		60.3	-.22	-.34	-.44	-1.08	-.89	----	----
		80.3	-.13	-.20	-.27	-.72	-.80	----	----
		90.3	-.11	-.12	-.17	-.55	-.71	----	----
	Lower	2.6	----	.02	-.27	-.29	-.29	3.7	-.25
		7.7	.19	.33	.24	----	.15	----	----
		20.2	.23	.33	.30	.28	.24	21.3	.16
		35.2	.26	.27	.25	.24	.21	----	----
		50.2	.23	.22	.20	.19	.15	----	----
		65.2	.18	.16	.15	.12	.10	----	----
		85.2	.11	.09	.10	----	----	----	----
20	Upper	0	----	-5.83	-2.22	-1.23	----	0	-.55
		1.5	----	-3.06	-2.23	-1.39	-.93	2.4	-.50
		5.2	-.17	-1.85	-2.40	-1.46	-.97	6.2	-.54
		10.3	-.19	-1.94	-2.57	-1.51	-.97	10.9	-.55
		15.2	-.25	-.70	-3.13	-1.48	-.98	16.7	-.55
		30.3	-.31	-.54	-1.61	-1.53	-.94	21.2	-.55
		45.3	-.30	-.45	-.97	-1.34	-.94	46.5	-.52
		60.3	-.22	-.40	-.64	-1.12	-.90	----	----
		80.3	-.09	-.22	-.40	-.84	-.79	----	----
		90.3	-.08	-.15	-.27	-.65	-.71	----	----
	Lower	2.6	----	-.08	-.36	-.32	-.37	3.7	-.30
		7.7	.22	.36	.25	----	.13	----	----
		20.2	.28	.37	.34	.30	.25	21.3	.16
		35.2	.30	.32	.29	.28	.23	----	----
		50.2	.27	.26	.23	.22	.17	----	----
		65.2	.22	.20	.18	.15	.12	----	----
		85.2	.14	.12	.12	----	----	----	----
22	Upper	0	----	-7.13	-2.00	-1.36	----	0	-.54
		1.5	----	-3.42	-2.00	-1.45	-.91	2.4	-.51
		5.2	-.19	-2.06	-2.22	-1.47	-.96	6.2	-.55
		10.3	-.22	-2.20	-2.06	-1.47	-.97	10.9	-.57
		15.2	-.27	-1.28	-2.63	-1.41	-.98	16.7	-.57
		30.3	-.34	-.59	-1.89	-1.48	-.95	21.2	-.57
		45.3	-.30	-.55	-1.26	-1.36	-.94	46.5	-.54
		60.3	-.22	-.46	-.88	-1.17	-.89	----	----
		80.3	-.17	-.30	-.55	-.90	-.73	----	----
		90.3	-.17	-.23	-.38	-.74	-.71	----	----
		2.6	----	-.17	-.40	-.41	-.44	3.7	-.35
		7.7	.25	.38	.24	----	.10	----	----
		20.2	.31	.42	.36	.32	.25	21.3	.15
		35.2	.34	.36	.31	.29	.24	----	----
		50.2	.31	.29	.26	.24	.19	----	----
		65.2	.25	.23	.19	.16	.13	----	----
		85.2	.16	.13	.13	----	----	----	----

α_u	Surface	%c	P 0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	%c for 0.90b/2	P 0.90b/2
24	Upper	0	----	-6.19	-1.95	-1.31	----	0	-.58
		1.5	----	-3.82	-2.02	-1.42	-.95	2.4	-.56
		5.2	-.22	-2.29	-2.21	-1.46	-1.00	6.2	-.58
		10.3	-.25	-1.82	-2.24	-1.47	-1.00	10.9	-.59
		15.2	-.31	-1.47	-2.33	-1.46	-1.01	16.7	-.59
		30.3	-.40	-.82	-1.92	-1.47	-.98	21.2	-.59
		45.3	-.37	-.68	-1.44	-1.32	-.98	46.5	-.57
		60.3	-.30	-.55	-1.07	-1.17	-.89	----	----
		80.3	-.22	-.36	-.71	-.95	-.78	----	----
		90.3	-.20	-.25	-.52	-.81	-.72	----	----
	Lower	2.6	----	-.29	-.50	-.47	-.53	3.7	-.41
		7.7	.29	.39	.22	----	.06	----	----
		20.2	.35	.47	.38	.33	.26	21.3	.14
		35.2	.39	.40	.35	.30	.25	----	----
		50.2	.35	.33	.29	.26	.20	----	----
		65.2	.29	.26	.22	.18	.13	----	----
		85.2	.18	.15	.13	----	----	----	----

TABLE XIII.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0005-63 SECTION. M, 0.40; R, 5.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P					%c for 0.90b/2	P, 0.90b/2
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		
-3	Upper	0	----	0.10	0	-0.18	----	0	-0.63
		1.5	----	.14	.14	.13	0.14	2.4	-.07
		5.2	-0.02	.03	.04	.06	.10	6.2	.17
		10.3	-.01	-.01	0	.02	.04	10.9	.10
		15.2	-.01	-.02	-.02	-.01	.01	16.7	.06
		30.3	-.01	-.05	-.05	-.04	-.02	21.2	.03
		45.3	-.04	-.06	-.05	-.04	-.02	46.5	.01
		60.3	-.05	-.06	-.04	-.03	-.02	----	----
		80.3	-.03	-.03	-.02	-.01	0	----	----
		90.3	-.03	-.01	0	.02	.02	----	----
	Lower	2.6	----	-.24	-.42	-.53	-.69	3.7	-1.13
		7.7	-.04	-.20	-.29	----	-.44	----	----
		20.2	-.06	-.18	-.22	-.24	-.29	21.3	-.38
		35.2	-.10	-.16	-.18	-.19	-.22	----	----
		50.2	-.11	-.14	-.15	-.15	-.17	----	----
		65.2	-.10	-.12	-.12	-.11	-.10	----	----
		85.2	-.06	-.06	-.06	----	----	----	----
-2	Upper	0	----	.15	.09	.02	----	0	-.20
		1.5	----	.10	.11	.08	.13	2.4	-.04
		5.2	-.03	0	-.01	0	.05	6.2	.08
		10.3	-.02	-.04	-.05	-.03	-.01	10.9	.04
		15.2	-.02	-.05	-.06	-.05	-.03	16.7	.01
		30.3	-.02	-.07	-.07	-.07	-.05	21.2	-.02
		45.3	-.05	-.07	-.07	-.06	-.05	46.5	-.02
		60.3	-.06	-.07	-.06	-.04	-.04	----	----
		80.3	-.04	-.04	-.10	-.02	0	----	----
		90.3	-.04	-.02	0	.01	.02	----	----
	Lower	2.6	----	-.18	-.29	-.36	-.48	3.7	-.75
		7.7	-.03	-.16	-.24	----	-.38	----	----
		20.2	-.05	-.16	-.19	-.20	-.23	21.3	-.28
		35.2	-.09	-.14	-.16	-.17	-.18	----	----
		50.2	-.10	-.13	-.13	-.13	-.14	----	----
		65.2	-.09	-.11	-.11	-.10	-.07	----	----
		85.2	-.06	-.12	-.05	----	----	----	----
-1	Upper	0	----	.18	.17	.16	----	0	.09
		1.5	----	.05	.05	.01	.06	2.4	-.02
		5.2	-.03	-.05	-.06	-.06	-.03	6.2	-.02
		10.3	-.02	-.07	-.09	-.08	-.07	10.9	-.04
		15.2	-.02	-.08	-.10	-.10	-.08	16.7	-.06
		30.3	-.03	-.09	-.10	-.10	-.09	21.2	-.06
		45.3	-.06	-.09	-.09	-.09	-.07	46.5	-.04
		60.3	-.07	-.08	-.07	-.06	-.06	----	----
		80.3	-.04	-.04	-.03	-.02	-.01	----	----
		90.3	-.04	-.02	0	.01	.02	----	----
	Lower	2.6	----	-.11	-.18	-.15	-.28	3.7	-.43
		7.7	-.02	-.13	-.17	----	-.23	----	----
		20.2	-.04	-.13	-.15	-.16	-.18	21.3	-.20
		35.2	-.07	-.12	-.13	-.13	-.15	----	----
		50.2	-.09	-.11	-.11	-.11	-.11	----	----
		65.2	-.08	-.09	-.08	-.08	-.05	----	----
		85.2	-.05	-.04	-.04	----	----	----	----

α_u	Surface	%c	P					%c for 0.90b/2	P, 0.90b/2
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		
0	Upper	0	----	0.17	0.18	0.19	----	0	0.17
		1.5	----	-.01	-.04	-.10	-0.08	2.4	-.15
		5.2	-0.04	-.10	-.13	-.14	-.24	6.2	-.16
		10.3	-.03	-.11	-.13	-.14	-.14	10.9	-.14
		15.2	-.03	-.10	-.13	-.14	-.14	16.7	-.15
		30.3	-.05	-.11	-.12	-.13	-.13	21.2	-.12
		45.3	-.08	-.10	-.11	-.10	-.10	46.5	-.08
		60.3	-.08	-.09	-.08	-.14	-.08	----	----
		80.3	-.05	-.05	-.04	-.03	-.02	----	----
		90.3	-.05	-.01	-.01	-.06	.01	----	----
	Lower	2.6	----	-.05	-.09	-.10	-.12	3.7	-.16
		7.7	-.02	-.09	-.12	----	-.13	----	----
		20.2	-.03	-.10	-.12	-.12	-.13	21.3	-.12
		35.2	-.06	-.10	-.12	-.11	-.11	----	----
		50.2	-.07	-.10	-.09	-.08	-.09	----	----
		65.2	-.07	-.08	-.07	-.06	-.06	----	----
		85.2	-.05	-.04	-.04	----	----	----	----
1	Upper	0	----	.14	.13	.13	----	0	.11
		1.5	----	-.08	-.14	-.22	-.27	2.4	-.14
		5.2	-.04	-.15	-.19	-.23	-.25	6.2	-.35
		10.3	-.04	-.14	-.18	-.21	-.22	10.9	-.27
		15.2	-.04	-.14	-.17	-.19	-.21	16.7	-.25
		30.3	-.06	-.13	-.15	-.16	-.17	21.2	-.18
		45.3	-.10	-.12	-.13	-.13	-.13	46.5	-.12
		60.3	-.10	-.11	-.11	-.09	-.11	----	----
		80.3	-.06	-.06	-.05	-.04	.04	----	----
		90.3	-.05	-.03	-.01	0	0	----	----
	Lower	2.6	----	0	-.02	0	0	3.7	.02
		7.7	-.01	-.06	-.08	----	-.06	----	----
		20.2	-.02	-.08	-.10	-.09	-.08	21.3	-.06
		35.2	-.05	-.09	-.10	-.09	-.08	----	----
		50.2	-.07	-.08	-.09	-.08	-.07	----	----
		65.2	-.06	-.07	-.06	-.08	-.05	----	----
		85.2	-.04	-.04	-.14	----	----	----	----
2	Upper	0	----	.10	.01	.02	----	0	-.12
		1.5	----	.16	-.26	-.36	-.51	2.4	-.29
		5.2	-.05	-.19	-.27	-.32	-.39	6.2	-.56
		10.3	-.04	-.17	-.23	-.27	-.30	10.9	-.38
		15.2	-.04	-.16	-.21	-.24	-.27	16.7	-.33
		30.3	-.07	-.15	-.16	-.18	-.20	21.2	-.23
		45.3	-.10	-.13	-.14	-.14	-.15	46.5	-.17
		60.3	-.10	-.12	-.11	-.10	-.12	----	----
		80.3	-.06	-.06	-.05	-.05	-.04	----	----
		90.3	-.05	-.03	-.01	0	0	----	----
	Lower	2.6	----	.05	.05	.07	.08	3.7	.12
		7.7	0	-.01	-.02	----	.02	----	----
		20.2	0	-.05	-.06	-.05	-.04	21.3	.01
		35.2	-.03	-.07	-.07	-.06	-.05	----	----
		50.2	-.05	-.07	-.06	-.04	-.04	----	----
		65.2	-.05	-.06	-.04	-.07	-.03	----	----
		85.2	-.03	-.03	-.12	----	----	----	----

TABLE XIII.- CONTINUED

(b) α_u, 3, 4, 5, 6, 8, 10

α_u	Surface	%c	P					%c for 0.90b/2	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		0.90b/2
3	Upper	0	——	0.03	-0.14	-0.17	——	0	-0.40
		1.5	——	-.24	-.41	-.53	-0.78	2.4	-.50
		5.2	-0.05	-.24	-.34	-.46	-.55	6.2	-.80
		10.3	-.05	-.20	-.28	-.34	-.39	10.9	-.53
		15.2	-.05	-.18	-.24	-.27	-.34	16.7	-.44
		30.3	-.08	-.17	-.19	-.21	-.25	21.2	-.31
		45.3	-.11	-.15	-.15	-.17	-.18	46.5	-.22
		60.3	-.11	-.12	-.12	-.12	-.14	——	——
		80.3	-.07	-.07	0	-.06	-.06	——	——
		90.3	-.05	-.03	-.02	-.01	-.01	——	——
	Lower	2.6	——	.09	.10	.12	.07	3.7	.16
		7.7	.01	.02	.02	——	.07	——	——
		20.2	.01	-.03	-.03	-.02	0	21.3	.05
		35.2	.02	-.05	-.05	-.03	-.02	——	——
		50.2	-.04	-.05	-.05	-.03	-.03	——	——
		65.2	-.04	-.05	-.03	-.03	.01	——	——
		85.2	-.03	.01	-.13	——	——	——	——
4	Upper	0	——	-.07	-.35	-.44	——	0	-.66
		1.5	——	-.35	-.60	-.75	-1.15	2.4	-.56
		5.2	-.06	-.30	-.43	-.52	-.64	6.2	-.95
		10.3	-.06	-.24	-.33	-.40	-.51	10.9	-.79
		15.2	-.06	-.22	-.29	-.34	-.43	16.7	-.71
		30.3	-.09	-.19	-.22	-.25	-.30	21.2	-.56
		45.3	-.13	-.16	-.18	-.19	-.22	46.5	-.34
		60.3	-.12	-.14	-.14	-.14	.17	——	——
		80.3	-.08	-.08	-.07	-.07	-.07	——	——
		90.3	-.06	-.04	-.02	-.02	-.02	——	——
	Lower	2.6	——	.13	.14	.15	.15	3.7	.15
		7.7	.01	.06	.06	——	.13	——	——
		20.2	.02	-.01	.04	.02	.04	21.3	.09
		35.2	0	-.03	-.03	-.01	.01	——	——
		50.2	-.02	-.04	-.03	-.01	0	——	——
		65.2	-.03	-.03	-.02	-.01	.03	——	——
		85.2	-.02	-.02	-.10	——	——	——	——
5	Upper	0	——	-.20	-.62	-.78	——	0	-.24
		1.5	——	-.46	-.80	-1.01	-1.61	2.4	-.39
		5.2	-.06	-.36	-.51	-.66	-.84	6.2	-.97
		10.3	-.06	-.28	-.39	-.48	-.62	10.9	-.93
		15.2	-.07	-.25	-.33	-.40	-.52	16.7	-.94
		30.3	-.11	-.21	-.25	-.29	-.36	21.2	-1.08
		45.3	-.14	-.18	-.20	-.22	-.26	46.5	-.86
		60.3	-.12	-.15	-.18	-.16	-.19	——	——
		80.3	-.08	-.08	-.07	-.08	-.09	——	——
		90.3	-.06	-.04	-.03	-.02	-.03	——	——
	Lower	2.6	——	.16	.15	.16	.13	3.7	.15
		7.7	.02	.08	.09	——	.15	——	——
		20.2	.03	.02	.03	.05	.07	21.3	.12
		35.2	.01	-.01	-.01	.02	.04	——	——
		50.2	-.01	-.02	-.01	.01	.02	——	——
		65.2	-.01	-.02	-.01	.03	.04	——	——
		85.2	-.01	-.01	-.09	——	——	——	——

α_u	Surface	%c	P					%c for 0.90b/2	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		0.90b/2
6	Upper	0	——	-0.36	-0.94	-1.23	——	0	-0.94
		1.5	——	-.99	-1.05	-1.25	-2.25	2.4	-.55
		5.2	-0.07	-.42	-.62	-.80	-1.04	6.2	-.87
		10.3	-.07	-.32	-.46	-.57	-.77	10.9	-.87
		15.2	-.07	-.28	-.38	-.47	-.63	16.7	-.89
		30.3	-.11	-.23	-.28	-.33	-.43	21.2	-.95
		45.3	-.15	-.19	-.21	-.25	-.31	46.5	-1.08
		60.3	-.14	-.16	-.16	-.18	-.25	——	——
		80.3	-.08	-.09	-.09	-.09	-.11	——	——
		90.3	-.07	-.05	-.03	-.03	-.05	——	——
	Lower	2.6	——	.18	.16	.15	.07	3.7	.09
		7.7	.03	.15	.12	——	.17	——	——
		20.2	.04	.04	.06	.07	.11	21.3	.15
		35.2	.03	.01	.02	.04	.07	——	——
		50.2	.01	0	.01	.03	.05	——	——
		65.2	0	-.01	.01	.02	.05	——	——
		85.2	-.01	0	-.08	——	——	——	——
8	Upper	0	——	-.75	-1.72	-2.29	——	0	-.71
		1.5	——	-.85	-1.59	-1.63	-1.58	2.4	-.38
		5.2	-.07	-.54	-.83	-1.07	-1.61	6.2	-.59
		10.3	-.07	-.39	-.79	-.76	-1.96	10.9	-.59
		15.2	-.08	-.33	-.48	-.64	-2.05	16.7	-.60
		30.3	-.13	-.27	-.34	-.43	-.43	21.2	-.59
		45.3	-.17	-.22	-.26	-.30	-.18	46.5	-.57
		60.3	-.16	-.18	-.19	-.21	-.16	——	——
		80.3	-.09	-.10	-.10	-.11	-.12	——	——
		90.3	-.07	-.05	-.04	-.04	-.05	——	——
	Lower	2.6	——	.22	.15	.08	.02	3.7	.06
		7.7	.06	.17	.17	——	.20	——	——
		20.2	.07	.09	.11	.13	.15	21.3	.16
		35.2	.06	.05	.06	.09	.11	——	——
		50.2	.04	.03	.04	.06	.07	——	——
		65.2	.03	.02	.03	.04	.07	——	——
		85.2	.02	.02	-.07	——	——	——	——
10	Upper	0	——	-1.26	-2.75	-2.20	——	0	-.53
		1.5	——	-1.17	-2.02	-1.51	-1.22	2.4	-.31
		5.2	-.09	-.69	-1.07	-1.35	-1.23	6.2	-.46
		10.3	-.09	-.48	-.76	-1.23	-1.26	10.9	-.46
		15.2	-.10	-.41	-.64	-1.02	-1.26	16.7	-.48
		30.3	-.16	-.33	-.43	-.53	-1.51	21.2	-.49
		45.3	-.20	-.27	-.32	-.32	-1.27	46.5	-.47
		60.3	-.18	-.21	-.23	-.21	-.58	——	——
		80.3	-.11	-.11	-.12	-.11	-.21	——	——
		90.3	-.08	-.06	-.06	-.05	-.17	——	——
	Lower	2.6	——	.22	.07	.01	.09	3.7	.03
		7.7	.08	.21	.19	——	.20	——	——
		20.2	.10	.13	.15	.17	.18	21.3	.16
		35.2	.10	.09	.10	.12	.13	——	——
		50.2	.08	.07	.07	.09	.09	——	——
		65.2	.06	.05	.05	.06	.08	——	——
		85.2	.03	.03	-.06	——	——	——	——

NACA

TABLE XIII.- CONCLUDED

(c) α_u, 12, 14, 16, 18, 20, 22, 24

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
12	Upper	0	----	-1.88	-2.88	-1.67	----	0	-0.60
		1.5	----	-1.47	-2.36	-1.46	-0.98	2.4	-.39
		5.2	-0.10	-.84	-1.39	-1.53	-.98	6.2	-.55
		10.3	-.10	-.60	-.85	-1.58	-.98	10.9	-.54
		15.2	-.11	-.51	-.70	-1.94	-.99	16.7	-.55
		30.3	-.16	-.38	-.51	-1.35	-.87	21.2	-.53
		45.3	-.22	-.31	-.37	-.29	-1.08	46.5	-.53
		60.3	-.21	-.24	-.26	-.17	-.93	----	----
		80.3	-.12	-.12	-.17	-.18	-.66	----	----
		90.3	-.09	-.07	-.10	-.11	-.53	----	----
	Lower	2.6	----	.22	0	-.19	-.08	3.7	-.06
		7.7	.10	.25	.22	----	.21	----	----
		20.2	.13	.18	.19	.20	.20	21.3	.15
		35.2	.14	.14	.14	.16	.15	----	----
		50.2	.11	.10	.10	.12	.11	----	----
		65.2	.09	.07	.08	.07	.08	----	----
		85.2	.05	.04	.07	----	----	----	----
14	Upper	0	----	-2.62	-1.95	-1.36	----	0	-.52
		1.5	----	-1.83	-1.91	-1.38	-.87	2.4	-.39
		5.2	-.06	-.96	-2.03	-1.41	-.87	6.2	-.49
		10.3	-.08	-.76	-2.68	-1.48	-.87	10.9	-.50
		15.2	-.14	-.65	-2.14	-1.44	-.88	16.7	-.49
		30.3	-.22	-.42	-.37	-1.96	-.85	21.2	-.49
		45.3	-.24	-.34	-.29	-1.15	-.85	46.5	-.48
		60.3	-.21	-.25	-.25	-.67	-.84	----	----
		80.3	-.12	-.15	-.17	-.35	-.72	----	----
		90.3	-.10	-.09	-.09	-.23	-.62	----	----
	Lower	2.6	----	.18	-.03	-.08	-.12	3.7	-.11
		7.7	.13	.29	.24	----	.19	----	----
		20.2	.17	.24	.24	.23	.22	21.3	.16
		35.2	.18	.19	.18	.19	.17	----	----
		50.2	.15	.14	.14	.14	.13	----	----
		65.2	.12	.11	.10	.10	.09	----	----
		85.2	.07	.06	.08	----	----	----	----
16	Upper	0	----	-3.50	-1.80	-1.36	----	0	-.52
		1.5	----	-2.18	-1.86	-1.36	-.92	2.4	-.42
		5.2	-.13	-1.19	-1.95	-1.36	-.91	6.2	-.50
		10.3	-.13	-1.07	-1.97	-1.36	-.91	10.9	-.50
		15.2	-.15	-.89	-2.71	-1.19	-.91	16.7	-.50
		30.3	-.26	-.50	-.94	-1.37	-.86	21.2	-.50
		45.3	-.26	-.37	-.35	-1.35	-.85	46.5	-.49
		60.3	-.23	-.29	-.36	-.96	-.79	----	----
		80.3	-.13	-.19	-.22	-.61	-.72	----	----
		90.3	-.11	-.11	-.14	-.46	-.64	----	----
	Lower	2.6	----	.16	-.41	-.15	-.21	3.7	-.16
		7.7	.17	.33	.25	----	.17	----	----
		20.2	.20	.29	.27	.26	.23	21.3	.16
		35.2	.22	.23	.21	.21	.19	----	----
		50.2	.19	.18	.17	.16	.14	----	----
		65.2	.15	.14	.12	.11	.09	----	----
		85.2	.09	.08	.09	----	----	----	----
18	Upper	0	----	-3.77	-1.69	-1.30	----	0	-0.52
		1.5	----	-2.49	-1.76	-1.33	-0.89	2.4	-.43
		5.2	-0.14	-1.27	-1.98	-1.31	-.89	6.2	-.49
		10.3	-.15	-.93	-1.98	-1.28	-.89	10.9	-.50
		15.2	-.21	-.87	-2.58	-1.24	-.88	16.7	-.51
		30.3	-.30	-.58	-1.96	-1.31	-.84	21.2	-.50
		45.3	-.28	-.40	-.69	-1.30	-.81	46.5	-.49
		60.3	-.22	-.33	-.52	-1.02	-.80	----	----
		80.3	-.14	-.23	-.34	-.75	-.73	----	----
		90.3	-.12	-.14	-.22	-.60	-.66	----	----
	Lower	2.6	----	.12	-.16	-.19	-.28	3.7	-.21
		7.7	.20	.36	.26	----	.15	----	----
		20.2	.24	.34	.30	.28	.24	21.3	.16
		35.2	.26	.27	.25	.24	.21	----	----
		50.2	.23	.22	.20	.19	.16	----	----
		65.2	.19	.17	.15	.13	.10	----	----
		85.2	.11	.10	.09	----	----	----	----
20	Upper	0	----	-3.42	-1.92	-1.18	----	0	-.53
		1.5	----	-2.53	-1.54	-1.25	-.92	2.4	-.49
		5.2	-.15	-1.96	-1.91	-1.25	-.93	6.2	-.52
		10.3	-.19	-1.48	-2.00	-1.25	-.94	10.9	-.52
		15.2	-.23	-1.09	-2.19	-1.27	-.93	16.7	-.52
		30.3	-.33	-.52	-1.87	-1.32	-.87	21.2	-.52
		45.3	-.29	-.43	-1.11	-1.24	-.83	46.5	-.50
		60.3	-.22	-.42	-.74	-1.06	-.81	----	----
		80.3	-.16	-.27	-.48	-.84	-.72	----	----
		90.3	-.15	-.14	-.34	-.69	-.65	----	----
	Lower	2.6	----	.09	-.23	-.24	-.36	3.7	-.28
		7.7	.23	.39	.26	----	.13	----	----
		20.2	.28	.38	.33	.30	.25	21.3	.16
		35.2	.31	.32	.15	.27	.22	----	----
		50.2	.27	.26	.23	.21	.17	----	----
		65.2	.22	.20	.17	.15	.11	----	----
		85.2	.14	.11	.10	----	----	----	----
22	Upper	0	----	-3.51	-1.80	-1.18	----	0	-.56
		1.5	----	-3.63	-1.82	-1.25	-.85	2.4	-.54
		5.2	-.19	-5.23	-1.89	-1.32	-.87	6.2	-.57
		10.3	-.22	-2.34	-1.83	-1.30	-.89	10.9	-.57
		15.2	-.29	-1.36	-1.82	-1.28	-.89	16.7	-.57
		30.3	-.39	-.89	-1.74	-1.27	-.90	21.2	-.57
		45.3	-.34	-.77	-1.38	-1.22	-.86	46.5	-.57
		60.3	-.25	-.54	-1.07	-1.07	-.86	----	----
		80.3	-.20	-.30	-.64	-.91	-.76	----	----
		90.3	-.20	-.28	-.46	-.77	-.71	----	----
	Lower	2.6	----	-.04	-.37	-.37	-.44	3.7	-.38
		7.7	.26	.41	.26	----	.11	----	----
		20.2	.32	.43	.36	.32	.26	21.3	.15
		35.2	.35	.36	.32	.29	.24	----	----
		50.2	.31	.30	.26	.24	.19	----	----
		65.2	.26	.23	.20	.16	.12	----	----
		85.2	.16	.13	.11	----	----	----	----
24	Upper	0	----	-3.53	-1.86	-1.28	----	0	-.51
		1.5	----	-3.65	-1.86	-1.34	-.90	2.4	-.49
		5.2	-.18	-4.52	-1.83	-1.36	-.93	6.2	-.52
		10.3	-.22	-1.41	-1.75	-1.34	-.95	10.9	-.53
		15.2	-.27	-.95	-1.81	-1.33	-.94	16.7	-.52
		30.3	-.35	-.63	-1.92	-1.43	-.89	21.2	-.51
		45.3	-.31	-.61	-1.34	-1.42	-.87	46.5	-.51
		60.3	-.24	-.51	-.98	-1.12	-.84	----	----
		80.3	-.25	-.44	-.76	-.91	-.77	----	----
		90.3	-.26	-.31	-.59	-.79	-.70	----	----
	Lower	2.6	----	.01	-.31	-.34	-.42	3.7	-.32
		7.7	.30	.43	.25	----	.09	----	----
		20.2	.36	.47	.38	.33	.26	21.3	.13
		35.2	.39	.40	.35	.31	.25	----	----
		50.2	.35	.33	.29	.26	.20	----	----
		65.2	.29	.26	.22	.18	.13	----	----
		85.2	.18	.15	.11	----	----	----	----

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TABLE XIV.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0005-63 SECTION. M, 0.11; R, 8.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P					%c for 0.90b/2	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		0.90b/2
-3	Upper	0	----	0.08	0.10	-0.02	----	0	-0.81
		1.5	----	.11	.11	.10	0.10	2.4	-.04
		5.2	-0.05	.01	.02	.04	.07	6.2	.11
		10.3	-.04	-.03	-.02	-.01	.02	10.9	.08
		15.2	-.04	-.05	-.05	-.03	-.01	16.7	.05
		30.3	-.04	-.08	-.07	-.06	-.04	21.2	.01
		45.3	-.07	-.06	-.08	-.07	-.05	46.5	0
		60.3	-.07	-.08	-.07	-.05	-.05	----	----
		80.3	-.02	-.02	-.02	-.01	.01	----	----
		90.3	-.03	-.01	.01	.02	.03	----	----
	Lower	2.6	----	-.26	-.43	-.55	-.77	3.7	-1.26
		7.7	-.04	-.20	-.28	----	-.43	----	----
		20.2	-.05	-.18	-.20	-.24	-.28	21.3	-.37
		35.2	-.10	-.16	-.17	-.18	-.21	----	----
		50.2	-.10	-.13	-.14	-.13	-.16	----	----
		65.2	-.09	-.11	-.10	-.10	-.08	----	----
		85.2	-.05	-.05	-.05	----	----	----	----
-2	Upper	0	----	.17	.24	.15	----	0	-.21
		1.5	----	.10	.10	.09	.12	2.4	.05
		5.2	-.03	0	0	.01	.03	6.2	.08
		10.3	-.02	-.03	-.03	-.02	-.01	10.9	.04
		15.2	-.02	-.05	-.05	-.05	-.03	16.7	.01
		30.3	-.02	-.07	-.07	-.06	-.05	21.2	-.01
		45.3	-.05	-.07	-.07	-.06	-.04	46.5	0
		60.3	-.06	-.07	-.05	-.04	-.04	----	----
		80.3	-.03	-.03	-.03	-.03	-.01	----	----
		90.3	-.04	-.01	-.02	.01	.02	----	----
	Lower	2.6	----	-.17	-.27	-.35	-.49	3.7	-.77
		7.7	-.04	-.16	-.22	----	-.37	----	----
		20.2	-.05	-.16	-.18	-.20	-.22	21.3	-.27
		35.2	-.08	-.14	-.16	-.16	-.17	----	----
		50.2	-.10	-.13	-.13	-.12	-.13	----	----
		65.2	-.08	-.10	-.09	-.09	-.07	----	----
		85.2	-.07	-.05	-.05	----	----	----	----
-1	Upper	0	----	.19	.25	.18	----	0	.10
		1.5	----	.04	.03	0	.03	2.4	0
		5.2	-.04	-.06	-.06	-.08	-.07	6.2	-.04
		10.3	-.04	-.08	-.09	-.09	-.09	10.9	-.05
		15.2	-.03	-.09	-.10	-.11	-.09	16.7	-.07
		30.3	-.04	-.09	-.10	-.11	-.10	21.2	-.06
		45.3	-.07	-.09	-.09	-.09	-.09	46.5	-.05
		60.3	-.08	-.09	-.08	-.06	-.07	----	----
		80.3	-.05	-.05	-.04	-.03	-.01	----	----
		90.3	-.05	-.020	-.01	.01	.01	----	----
	Lower	2.6	----	-.10	-.17	-.20	-.28	3.7	-.41
		7.7	-.04	-.12	-.16	----	-.23	----	----
		20.2	-.04	-.13	-.14	-.16	-.17	21.3	-.18
		35.2	-.08	-.12	-.14	-.13	-.14	----	----
		50.2	-.09	-.11	-.11	-.10	-.11	----	----
		65.2	-.08	-.09	-.08	-.08	-.05	----	----
		85.2	-.05	-.05	-.05	----	----	----	----

α_u	Surface	%c	P					%c for 0.90b/2	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		0.90b/2
0	Upper	0	----	0.12	0.26	0.21	----	0	0.16
		1.5	----	-.01	-.04	-.09	-.09	2.4	-.15
		5.2	-.05	-.09	-.12	-.14	-.15	6.2	-.16
		10.3	-.04	-.11	-.12	-.13	-.15	10.9	-.14
		15.2	-.04	-.11	-.13	-.14	-.14	16.7	-.13
		30.3	-.05	-.11	-.12	-.12	-.13	21.2	-.11
		45.3	-.08	-.11	-.11	-.12	-.11	46.5	-.08
		60.3	-.08	-.09	-.08	-.08	-.08	----	----
		80.3	-.05	-.05	-.05	-.04	-.02	----	----
		90.3	-.05	-.02	-.01	0	.01	----	----
	Lower	2.6	----	-.05	-.09	-.10	-.12	3.7	-.16
		7.7	-.04	-.09	-.11	----	-.13	----	----
		20.2	-.03	-.11	-.11	-.12	-.12	21.3	-.11
		35.2	-.07	-.11	-.11	-.11	-.11	----	----
		50.2	-.08	-.10	-.10	-.08	-.08	----	----
		65.2	-.07	-.08	-.07	-.07	-.04	----	----
		85.2	-.05	-.04	-.05	----	----	----	----
1	Upper	0	----	.18	.24	.20	----	0	.10
		1.5	----	-.08	-.15	-.22	-.28	2.4	-.18
		5.2	-.05	-.15	-.18	-.22	-.27	6.2	-.35
		10.3	-.05	-.14	-.17	-.19	-.23	10.9	-.26
		15.2	-.05	-.14	-.17	-.18	-.21	16.7	-.23
		30.3	-.06	-.14	-.15	-.15	-.17	21.2	-.16
		45.3	-.10	-.12	-.12	-.13	-.12	46.5	-.12
		60.3	-.09	-.11	-.10	-.09	-.09	----	----
		80.3	-.07	-.06	-.06	-.05	-.04	----	----
		90.3	-.06	-.03	-.02	-.01	-.01	----	----
	Lower	2.6	----	0	-.02	-.01	-.01	3.7	.01
		7.7	-.03	-.05	-.07	----	-.06	----	----
		20.2	-.03	-.09	-.09	-.10	-.08	21.3	-.06
		35.2	-.05	-.09	-.10	-.08	-.08	----	----
		50.2	-.07	-.09	-.09	-.07	-.07	----	----
		65.2	-.07	-.08	-.07	-.06	-.02	----	----
		85.2	-.04	-.04	-.05	----	----	----	----
2	Upper	0	----	.13	.16	.08	----	0	-.14
		1.5	----	-.16	-.28	-.36	-.53	2.4	-.38
		5.2	-.05	-.19	-.26	-.32	-.39	6.2	-.55
		10.3	-.05	-.17	-.21	-.25	-.30	10.9	-.37
		15.2	-.05	-.16	-.20	-.23	-.26	16.7	-.33
		30.3	-.08	-.15	-.17	-.18	-.20	21.2	-.23
		45.3	-.11	-.14	-.14	-.15	-.15	46.5	-.17
		60.3	-.12	-.11	-.11	-.10	-.11	----	----
		80.3	-.06	-.06	-.06	-.05	-.05	----	----
		90.3	-.06	-.03	-.02	-.01	-.01	----	----
	Lower	2.6	----	.06	.06	.07	.08	3.7	.12
		7.7	-.02	-.02	-.02	----	.02	----	----
		20.2	-.01	-.06	-.05	-.05	-.03	21.3	.01
		35.2	-.04	-.07	-.07	-.05	-.04	----	----
		50.2	-.05	-.07	-.07	-.05	-.04	----	----
		65.2	-.05	-.06	-.05	-.04	-.01	----	----
		85.2	-.03	-.03	-.04	----	----	----	----

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TABLE XIV.- CONTINUED

(b) α_u, 3, 4, 5, 6, 8, 10

α_u	Surface	%c	P 0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	%c for 0.90b/2	P 0.90b/2
3	Upper	0	----	0.05	-0.02	-0.13	----	0	-0.54
		1.5	----	-.25	-.42	-.53	-0.84	2.4	-.73
		5.2	-0.07	-.25	-.33	-.41	-.53	6.2	-.79
		10.3	-.06	-.21	-.28	-.32	-.39	10.9	-.53
		15.2	-.07	-.21	-.25	-.29	-.34	16.7	-.44
		30.3	-.09	-.17	-.20	-.22	-.25	21.2	-.39
		45.3	-.12	-.15	-.16	-.17	-.18	46.5	-.23
		60.3	-.11	-.13	-.13	-.12	-.15	----	----
		80.3	-.07	-.07	-.07	-.06	-.06	----	----
		90.3	-.06	-.04	-.02	-.02	-.02	----	----
	Lower	2.6	----	.09	.10	.12	.13	3.7	.15
		7.7	-.01	.02	.01	----	.08	----	----
		20.2	0	-.04	.01	-.02	0	21.3	.05
		35.2	-.02	-.05	-.05	-.04	-.02	----	----
		50.2	-.04	-.06	-.05	-.03	-.02	----	----
		65.2	-.04	-.05	-.04	-.03	.01	----	----
		85.2	-.03	-.03	-.03	----	----	----	----
4	Upper	0	----	-.06	-.28	-.44	----	0	-1.13
		1.5	----	-.36	-.60	-.74	-1.22	2.4	-1.20
		5.2	-.07	-.31	-.42	-.53	-.68	6.2	-1.12
		10.3	-.07	-.25	-.33	-.40	-.50	10.9	-.74
		15.2	-.07	-.23	-.29	-.34	-.42	16.7	-.61
		30.3	-.09	-.19	-.22	-.25	-.30	21.2	-.43
		45.3	-.13	-.16	-.18	-.19	-.21	46.5	-.30
		60.3	-.13	-.16	-.14	-.14	-.16	----	----
		80.3	-.08	-.08	-.08	-.07	-.07	----	----
		90.3	-.06	-.04	-.03	-.02	-.03	----	----
	Lower	2.6	----	.12	.13	.14	.14	3.7	.11
		7.7	0	.05	.06	----	.12	----	----
		20.2	.01	-.02	0	.01	.04	21.3	.09
		35.2	-.01	-.03	-.03	-.01	.01	----	----
		50.2	-.03	-.05	-.03	-.02	0	----	----
		65.2	-.02	-.04	-.03	-.02	.01	----	----
		85.2	-.02	-.02	-.03	----	----	----	----
5	Upper	0	----	-.11	-.59	-.83	----	0	-.13
		1.5	----	-.46	-.80	-.97	-1.67	2.4	-1.43
		5.2	-.07	-.36	-.51	-.65	-.86	6.2	-1.59
		10.3	-.07	-.29	-.38	-.47	-.61	10.9	-1.21
		15.2	-.07	-.25	-.33	-.47	-.50	16.7	-.79
		30.3	-.12	-.20	-.24	-.28	-.34	21.2	-.50
		45.3	-.13	-.17	-.19	-.14	-.25	46.5	-.29
		60.3	-.13	-.14	-.14	-.15	-.19	----	----
		80.3	-.08	-.08	-.08	-.08	-.08	----	----
		90.3	-.07	-.04	-.03	-.03	-.04	----	----
	Lower	2.6	----	.16	.16	.16	.12	3.7	.06
		7.7	.01	.07	.09	----	.15	----	----
		20.2	.02	.01	.03	.04	.07	21.3	.13
		35.2	.01	-.01	-.01	.01	.04	----	----
		50.2	-.01	-.03	-.02	.01	.02	----	----
		65.2	-.01	-.03	-.02	-.01	.04	----	----
		85.2	-.02	-.01	-.02	----	----	----	----

α_u	Surface	%c	P 0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	%c for 0.90b/2	P 0.90b/2
6	Upper	0	----	-0.34	-0.91	-1.27	----	0	-1.86
		1.5	----	-.57	-1.00	-1.16	-2.21	2.4	-1.40
		5.2	-.06	-.41	-.60	-.77	-1.04	6.2	-1.66
		10.3	-.06	-.31	-.43	-.54	-.72	10.9	-1.81
		15.2	-.07	-.27	-.36	-.45	-.58	16.7	-1.93
		30.3	-.10	-.21	-.26	-.31	-.38	21.2	-.67
		45.3	-.13	-.17	-.20	-.22	-.27	46.5	-.18
		60.3	-.12	-.14	-.15	-.15	-.19	----	----
		80.3	-.08	-.09	-.04	-.09	-.10	----	----
		90.3	-.07	-.05	.11	-.04	-.05	----	----
	Lower	2.6	----	.19	.18	.16	.08	3.7	-.01
		7.7	.02	.11	.05	----	.17	----	----
		20.2	.04	.03	.01	.07	.10	21.3	.16
		35.2	.02	0	-.02	.04	.06	----	----
		50.2	0	-.01	-.01	.02	.04	----	----
		65.2	-.01	-.01	-.01	.01	.05	----	----
		85.2	-.01	-.07	-.02	----	----	----	----
8	Upper	0	----	-.80	-1.87	-2.46	----	0	-1.60
		1.5	----	-.87	-1.50	-1.74	-3.26	2.4	-.96
		5.2	-.09	-.56	-.83	-1.09	-1.47	6.2	-1.19
		10.3	-.09	-.40	-.59	-.74	-1.00	10.9	-1.23
		15.2	-.10	-.34	-.48	-.60	-.83	16.7	-1.25
		30.3	-.14	-.27	-.33	-.41	-.53	21.2	-1.47
		45.3	-.17	-.23	-.25	-.30	-.37	46.5	-1.24
		60.3	-.15	-.18	-.19	-.21	-.27	----	----
		80.3	-.09	-.10	-.10	-.11	-.14	----	----
		90.3	-.08	-.05	-.05	-.05	-.08	----	----
	Lower	2.6	----	.20	.13	.06	-.16	3.7	-.15
		7.7	.04	.16	.16	----	.17	----	----
		20.2	.06	.08	.10	.11	.14	21.3	.18
		35.2	.06	.04	.05	.08	.10	----	----
		50.2	.04	.02	.04	.06	.07	----	----
		65.2	.03	.01	.02	.04	.07	----	----
		85.2	.01	.01	0	----	----	----	----
10	Upper	0	----	-1.32	-2.82	-3.90	----	0	-1.11
		1.5	----	-1.16	-2.06	-2.37	-3.70	2.4	-.74
		5.2	-.09	-.68	-1.06	-1.38	-1.62	6.2	-.87
		10.3	-.09	-.47	-.72	-.94	-1.75	10.9	-.88
		15.2	-.10	-.40	-.58	-.79	-2.05	16.7	-.87
		30.3	-.15	-.31	-.39	-.49	-.56	21.2	-.83
		45.3	-.18	-.25	-.29	-.35	-.31	46.5	-.83
		60.3	-.16	-.19	-.22	-.25	-.25	----	----
		80.3	-.09	-.11	-.12	-.14	-.14	----	----
		90.3	-.08	-.05	-.06	-.07	-.08	----	----
	Lower	2.6	----	.21	.06	-.10	-.45	3.7	-.13
		7.7	.06	.20	.18	----	.15	----	----
		20.2	.09	.12	.14	.16	.19	21.3	.18
		35.2	.09	.08	.09	.12	.14	----	----
		50.2	.07	.06	.07	.09	.10	----	----
		65.2	.06	.04	.05	.06	.09	----	----
		85.2	.03	.03	.01	----	----	----	----

TABLE XIV.- CONCLUDED

(c) α_u, 12, 14, 16, 18, 20, 22

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
12	Upper	0	----	-2.01	-4.15	-5.71	----	0	-0.84
		1.5	----	-1.52	-2.76	-2.89	-1.79	2.4	-.60
		5.2	-0.11	-.84	-1.32	-1.54	-1.83	6.2	-.70
		10.3	-.11	-.57	-.92	-1.57	-1.87	10.9	-.70
		15.2	-.13	-.49	-.78	-1.68	-1.91	16.7	-.71
		30.3	-.19	-.37	-.46	-.45	-1.79	21.2	-.69
		45.3	-.21	-.28	-.36	-.37	-1.18	46.5	-.66
		60.3	-.19	-.22	-.28	-.28	-.75	----	----
		80.3	-.11	-.13	-.17	-.16	-.37	----	----
		90.3	-.10	-.08	-.10	-.08	-.26	----	----
	Lower	2.6	----	.19	-.09	-.34	-.29	3.7	-.16
		7.7	.08	.22	.19	----	.18	----	----
		20.2	.12	.17	.18	.20	.21	21.3	.16
		35.2	.12	.13	.13	.16	.16	----	----
		50.2	.10	.09	.10	.12	.11	----	----
		65.2	.08	.07	.07	.07	.09	----	----
		85.2	.04	.04	.02	----	----	----	----
14	Upper	0	----	-2.83	-5.65	-4.04	----	0	-.70
		1.5	----	-1.90	-3.39	-2.13	-1.14	2.4	-.54
		5.2	-.12	-.98	-1.48	-2.11	-1.17	6.2	-.61
		10.3	-.13	-.71	-1.77	-2.40	-1.18	10.9	-.62
		15.2	-.15	-.62	-1.26	-2.55	-1.14	16.7	-.62
		30.3	-.21	-.40	-.45	-1.13	-1.27	21.2	-.60
		45.3	-.24	-.33	-.36	-.36	-1.18	46.5	-.58
		60.3	-.20	-.26	-.29	-.35	-2.00	----	----
		80.3	-.12	-.15	-.18	-.21	-.76	----	----
		90.3	-.10	-.09	-.10	-.11	-.78	----	----
	Lower	2.6	----	.15	-.27	-.37	-.23	3.7	-.17
		7.7	.11	.27	.19	----	.18	----	----
		20.2	.15	.22	.23	.24	.22	21.3	.16
		35.2	.17	.18	.18	.19	.18	----	----
		50.2	.14	.14	.14	.15	.13	----	----
		65.2	.12	.11	.10	.10	.09	----	----
		85.2	.07	.06	.04	----	----	----	----
16	Upper	0	----	-3.71	-6.80	-2.27	----	0	-.56
		1.5	----	-2.30	-3.21	-1.84	-1.03	2.4	-.47
		5.2	-.13	-1.11	-2.01	-1.94	-1.06	6.2	-.54
		10.3	-.14	-.92	-2.44	-1.96	-1.08	10.9	-.53
		15.2	-.17	-.71	-2.50	-2.18	-1.06	16.7	-.56
		30.3	-.23	-.45	-.33	-1.84	-1.06	21.2	-.55
		45.3	-.26	-.37	-.36	-1.17	-1.04	46.5	-.55
		60.3	-.21	-.29	-.32	-.71	-1.11	----	----
		80.3	-.12	-.02	-.20	-.39	-.80	----	----
		90.3	-.10	-.10	-.11	-.27	-.71	----	----
	Lower	2.6	----	.10	-.44	-.31	-.27	3.7	-.19
		7.7	.15	.30	.20	----	.16	----	----
		20.2	.19	.27	.28	.27	.23	21.3	.16
		35.2	.21	.23	.22	.22	.19	----	----
		50.2	.19	.18	.17	.17	.14	----	----
		65.2	.16	.13	.13	.11	.10	----	----
		85.2	.09	.08	.05	----	----	----	----

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
18	Upper	0	----	-4.76	-6.92	-2.02	----	0	-.57
		1.5	----	-2.74	-3.07	-1.76	-1.04	2.4	-.50
		5.2	-.16	-1.33	-2.64	-1.76	-1.06	6.2	-.55
		10.3	-.18	-1.29	-3.21	-1.69	-1.06	10.9	-.57
		15.2	-.20	-.64	-3.24	-1.73	-1.04	16.7	-.58
		30.3	-.27	-.50	-.58	-1.78	-1.02	21.2	-.58
		45.3	-.28	-.43	-.50	-1.36	-1.02	46.5	-.57
		60.3	-.22	-.35	-.40	-.98	-.97	----	----
		80.3	-.12	-.21	-.26	-.64	-.84	----	----
		90.3	-.12	-.12	-.16	-.48	-.73	----	----
	Lower	2.6	----	0	-.57	-.37	-.37	3.7	-.25
		7.7	.18	.32	.21	----	.14	----	----
		20.2	.23	.32	.31	.28	.24	21.3	.15
		35.2	.25	.27	.25	.24	.21	----	----
		50.2	.22	.22	.20	.19	.16	----	----
		65.2	.19	.16	.15	.13	.11	----	----
		85.2	.11	.10	.06	----	----	----	----
20	Upper	0	----	-5.88	-4.66	-1.72	----	0	-.58
		1.5	----	-3.13	-2.91	-1.60	-.99	2.4	-.53
		5.2	-.19	-1.69	-2.83	-1.64	-1.02	6.2	-.58
		10.3	-.20	-1.53	-3.49	-1.64	-1.04	10.9	-.59
		15.2	-.23	-.59	-3.43	-1.64	-1.04	16.7	-.61
		30.3	-.29	-.75	-1.31	-1.70	-1.04	21.2	-.59
		45.3	-.28	-.47	-.77	-1.41	-1.02	46.5	-.58
		60.3	-.21	-.40	-.55	-1.11	-.97	----	----
		80.3	-.14	-.25	-.36	-.80	-.85	----	----
		90.3	-.13	-.17	-.24	-.61	-.76	----	----
	Lower	2.6	----	-.11	-.62	-.43	-.43	3.7	-.32
		7.7	.21	.33	.20	----	.11	----	----
		20.2	.27	.37	.34	.30	.25	21.3	.15
		35.2	.30	.32	.28	.27	.23	----	----
		50.2	.27	.26	.23	.22	.17	----	----
		65.2	.22	.20	.17	.15	.12	----	----
		85.2	.14	.12	.06	----	----	----	----
22	Upper	0	----	-7.14	-3.98	-1.57	----	0	-.61
		1.5	----	-3.49	-2.84	-1.54	-1.02	2.4	-.57
		5.2	-.21	-2.31	-2.88	-1.62	-1.06	6.2	-.60
		10.3	-.22	-1.65	-3.09	-1.61	-1.08	10.9	-.62
		15.2	-.25	-.70	-3.19	-1.65	-1.07	16.7	-.63
		30.3	-.31	-.63	-1.89	-1.65	-1.06	21.2	-.62
		45.3	-.29	-.56	-1.11	-1.45	-1.04	46.5	-.60
		60.3	-.21	-.46	-.76	-1.20	-.99	----	----
		80.3	-.17	-.32	-.50	-.91	-.86	----	----
		90.3	-.17	-.23	-.35	-.72	-.78	----	----
	Lower	2.6	----	-.25	-.74	-.51	-.52	3.7	-.39
		7.7	.24	.33	.18	----	.09	----	----
		20.2	.31	.42	.36	.31	.25	21.3	.14
		35.2	.34	.36	.31	.29	.24	----	----
		50.2	.31	.29	.25	.24	.18	----	----
		65.2	.25	.22	.19	.16	.13	----	----
		85.2	.16	.13	.07	----	----	----	----

TABLE XV.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0005-63 SECTION. M, 0.24; R, 8.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
-3	Upper	0	----	0.10	0.10	-0.06	----	0	-0.80
		1.5	----	.13	.13	.13	0.13	2.4	-.07
		5.2	-0.02	.03	.04	.06	.09	6.2	.13
		10.3	-.01	-.01	0	.01	.04	10.9	.10
		15.2	-.01	-.03	-.03	-.01	.01	16.7	.06
		30.3	-.01	-.05	-.05	-.04	-.03	21.2	.03
		45.3	-.04	-.05	-.05	-.05	-.03	46.5	.01
		60.3	-.05	-.05	-.05	-.03	-.02	----	----
		80.3	-.03	-.03	-.02	-.01	0	----	----
		90.3	-.04	-.02	0	.01	.02	----	----
	Lower	2.6	----	-.25	-.41	-.54	-.76	3.7	-1.25
		7.7	-.05	-.21	-.30	----	-.45	----	----
		20.2	-.06	-.19	-.22	-.25	-.29	21.3	-.39
		35.2	-.10	-.16	-.19	-.20	-.22	----	----
		50.2	-.11	-.14	-.15	-.15	-.17	----	----
		65.2	-.10	-.11	-.11	-.11	-.10	----	----
		85.2	-.07	-.06	-.06	----	----	----	----
-2	Upper	0	----	.17	.22	.13	----	0	-.23
		1.5	----	.11	.11	.09	.13	2.4	-.01
		5.2	-.03	0	.01	.08	.03	6.2	.08
		10.3	-.02	-.03	-.03	-.02	-.01	10.9	.04
		15.2	-.01	-.05	-.05	-.04	-.03	16.7	.01
		30.3	-.02	-.07	-.07	-.06	-.05	21.2	-.02
		45.3	-.05	-.07	-.07	-.06	-.04	46.5	-.01
		60.3	-.05	-.07	-.06	-.04	-.04	----	----
		80.3	-.03	-.04	-.03	-.02	0	----	----
		90.3	-.04	-.01	0	.01	.02	----	----
	Lower	2.6	----	-.17	-.22	-.36	-.50	3.7	-.80
		7.7	-.03	-.16	-.23	----	-.37	----	----
		20.2	-.05	-.16	-.18	-.20	-.23	21.3	-.27
		35.2	-.09	-.14	-.16	-.16	-.18	----	----
		50.2	-.10	-.12	-.13	-.12	-.13	----	----
		65.2	-.09	-.10	-.09	-.09	-.07	----	----
		85.2	-.09	-.05	-.05	----	----	----	----
-1	Upper	0	----	.20	.25	.18	----	0	.09
		1.5	----	.06	.05	.01	.06	2.4	-.02
		5.2	-.03	-.05	-.05	-.06	-.05	6.2	-.02
		10.3	-.03	-.07	-.08	-.08	-.07	10.9	-.04
		15.2	-.03	-.08	-.09	-.10	-.08	16.7	-.05
		30.3	-.03	-.12	-.09	-.10	-.09	21.2	-.06
		45.3	-.07	-.12	-.08	-.08	-.07	46.5	-.05
		60.3	-.07	-.08	-.07	-.06	-.06	----	----
		80.3	-.04	-.05	-.04	-.03	-.01	----	----
		90.3	-.04	-.02	-.01	-.06	.01	----	----
	Lower	2.6	----	-.11	-.18	-.21	-.30	3.7	-.45
		7.7	-.03	-.12	-.17	----	-.24	----	----
		20.2	-.04	-.13	-.15	-.16	-.17	21.3	-.19
		35.2	-.07	-.12	-.14	-.14	-.14	----	----
		50.2	-.09	-.11	-.11	-.10	-.11	----	----
		65.2	-.08	-.09	-.08	-.08	-.05	----	----
		85.2	-.05	-.05	-.05	----	----	----	----

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
0	Upper	0	----	0.20	0.24	0.21	----	0	0.16
		1.5	----	-.01	-.04	-.09	-0.07	2.4	-.16
		5.2	-0.04	-.09	-.11	-.14	-.15	6.2	-.16
		10.3	-.04	-.10	-.13	-.14	-.15	10.9	-.14
		15.2	-.04	-.11	-.13	-.13	-.14	16.7	-.14
		30.3	-.05	-.11	-.12	-.13	-.13	21.2	-.11
		45.3	-.08	-.11	-.11	-.11	-.10	46.5	-.09
		60.3	-.09	-.09	-.09	-.08	-.07	----	----
		80.3	-.05	-.05	-.05	-.04	-.03	----	----
		90.3	-.05	-.03	-.01	0	.01	----	----
	Lower	2.6	----	-.05	-.10	-.11	-.14	3.7	-.18
		7.7	-.03	-.09	-.12	----	-.14	----	----
		20.2	-.04	-.11	-.12	-.12	-.13	21.3	-.12
		35.2	-.06	-.11	-.12	-.11	-.11	----	----
		50.2	-.08	-.10	-.10	-.09	-.09	----	----
		65.2	-.07	-.08	-.08	-.07	-.04	----	----
		85.2	-.05	-.05	-.05	----	----	----	----
1	Upper	0	----	.18	.24	.21	----	0	.11
		1.5	----	-.07	-.14	-.21	-.26	2.4	-.13
		5.2	-.04	-.14	-.18	-.21	-.26	6.2	-.34
		10.3	-.04	-.13	-.17	-.19	-.22	10.9	-.25
		15.2	-.04	-.13	-.16	-.18	-.20	16.7	-.23
		30.3	-.06	-.13	-.14	-.15	-.16	21.2	-.16
		45.3	-.09	-.12	-.12	-.12	-.12	46.5	-.12
		60.3	-.09	-.10	-.10	-.09	-.09	----	----
		80.3	-.06	-.06	-.05	-.04	-.03	----	----
		90.3	-.05	-.03	-.01	0	0	----	----
	Lower	2.6	----	.01	-.01	-.01	-.01	3.7	.01
		7.7	-.02	-.05	-.07	----	-.05	----	----
		20.2	-.02	-.08	-.09	-.09	-.08	21.3	-.05
		35.2	-.05	-.09	-.09	-.08	-.07	----	----
		50.2	-.06	-.08	-.08	-.07	-.06	----	----
		65.2	-.06	-.07	-.06	-.05	-.02	----	----
		85.2	-.04	-.04	-.04	----	----	----	----
2	Upper	0	----	.14	.17	.08	----	0	-.09
		1.5	----	-.15	-.25	-.34	-.48	2.4	-.30
		5.2	-.05	-.18	-.24	-.30	-.38	6.2	-.32
		10.3	-.04	-.17	-.21	-.25	-.28	10.9	-.35
		15.2	-.05	-.16	-.20	-.22	-.25	16.7	-.31
		30.3	-.07	-.14	-.16	-.18	-.20	21.2	-.22
		45.3	-.10	-.14	-.15	-.14	-.15	46.5	-.16
		60.3	-.10	-.11	-.11	-.10	-.11	----	----
		80.3	-.06	-.06	-.05	-.01	-.04	----	----
		90.3	-.05	-.03	-.02	-.01	0	----	----
	Lower	2.6	----	.05	.05	.06	.08	3.7	.11
		7.7	-.01	-.01	-.02	----	.01	----	----
		20.2	-.01	-.06	-.06	-.05	-.03	21.3	-.03
		35.2	-.03	-.07	-.07	-.06	-.04	----	----
		50.2	-.05	-.07	-.06	-.05	-.04	----	----
		65.2	-.05	-.06	-.05	-.04	0	----	----
		85.2	-.03	-.03	-.03	----	----	----	----

TABLE XV.- CONTINUED

(b) α_u, 3, 4, 5, 6, 8, 10

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
3	Upper	0	----	0.06	-0.01	-0.11	----	0	-0.47
		1.5	----	-.24	-.39	-.51	-0.80	2.4	-.62
		5.2	-0.05	-.24	-.32	-.40	-.52	6.2	-.77
		10.3	-.05	-.20	-.27	-.31	-.38	10.9	-.52
		15.2	-.06	-.18	-.24	-.27	-.33	16.7	-.43
		30.3	-.08	-.16	-.19	-.21	-.24	21.2	-.30
		45.3	-.11	-.15	-.15	-.16	-.18	46.5	-.22
		60.3	-.11	-.12	-.12	-.12	-.14	----	----
		80.3	-.07	-.07	-.06	-.06	-.06	----	----
		90.3	-.06	-.03	-.02	-.04	-.01	----	----
	Lower	2.6	----	.09	.10	.12	.13	3.7	.15
		7.7	0	.02	.02	----	.08	----	----
		20.2	0	-.04	-.03	-.02	0	21.3	.05
		35.2	-.02	-.05	-.05	-.03	-.02	----	----
		50.2	-.04	-.05	-.05	-.03	-.02	----	----
		65.2	-.04	-.05	-.04	-.03	.01	----	----
		85.2	-.03	-.02	-.02	----	----	----	----
4	Upper	0	----	-.05	-.27	-.42	----	0	-.98
		1.5	----	-.34	-.59	-.73	-1.18	2.4	-.96
		5.2	-.06	-.27	-.41	-.52	-.87	6.2	-1.15
		10.3	-.06	-.24	-.32	-.39	-.49	10.9	-.77
		15.2	-.06	-.21	-.28	-.33	-.41	16.7	-.59
		30.3	-.09	-.18	-.21	-.24	-.29	21.2	-.38
		45.3	-.14	-.16	-.17	-.19	-.21	46.5	-.27
		60.3	-.12	-.14	-.13	-.13	-.15	----	----
		80.3	-.07	-.07	-.06	-.06	-.07	----	----
		90.3	-.06	-.03	-.02	.18	-.02	----	----
	Lower	2.6	----	.13	-.14	.15	.15	3.7	.13
		7.7	.01	.06	.06	----	.13	----	----
		20.2	.02	-.01	0	.05	.04	21.3	.10
		35.2	0	-.03	-.03	0	.02	----	----
		50.2	-.02	-.07	-.03	-.01	.01	----	----
		65.2	-.02	-.06	-.02	-.01	.03	----	----
		85.2	-.02	-.01	-.01	----	----	----	----
5	Upper	0	----	-.16	-.53	-.75	----	0	-1.23
		1.5	----	-.44	-.77	-.94	-1.58	2.4	-.97
		5.2	-.06	-.35	-.50	-.64	-1.83	6.2	-1.11
		10.3	-.06	-.27	-.38	-.46	-.60	10.9	-1.20
		15.2	-.07	-.24	-.32	-.39	-.49	16.7	-1.19
		30.3	-.10	-.20	-.24	-.28	-.34	21.2	-.62
		45.3	-.14	-.17	-.19	-.21	-.24	46.5	-.25
		60.3	-.12	-.14	-.14	-.14	-.18	----	----
		80.3	-.08	-.08	-.08	-.08	-.08	----	----
		90.3	-.06	-.04	-.03	-.02	-.03	----	----
	Lower	2.6	----	.15	.15	.16	.13	3.7	.10
		7.7	.02	.08	.09	----	.15	----	----
		20.2	.03	.01	.06	.04	.07	21.3	.13
		35.2	.01	-.01	-.01	.01	.04	----	----
		50.2	-.01	-.02	-.02	.01	.02	----	----
		65.2	-.01	-.02	-.01	0	.02	----	----
		85.2	-.01	-.01	-.01	----	----	----	----

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
6	Upper	0	----	-0.33	-0.91	-1.24	----	0	-1.34
		1.5	----	-.58	-1.02	-1.17	-2.22	2.4	-.88
		5.2	-0.07	-.42	-.61	-.79	-1.05	6.2	-1.22
		10.3	-.07	-.32	-.45	-.56	-.73	10.9	-1.22
		15.2	-.08	-.28	-.37	-.46	-.59	16.7	-1.30
		30.3	-.11	-.23	-.27	-.32	-.40	21.2	-1.44
		45.3	-.15	-.19	-.21	-.24	-.29	46.5	-.78
		60.3	-.14	-.16	-.16	-.17	-.21	----	----
		80.3	-.08	-.09	-.08	-.09	-.09	----	----
		90.3	-.07	-.04	-.03	-.03	-.04	----	----
	Lower	2.6	----	.18	.16	.15	.07	3.7	.04
		7.7	.03	.11	.12	----	.17	----	----
		20.2	.04	.04	.05	.07	.10	21.3	.15
		35.2	.03	.01	.02	.04	.06	----	----
		50.2	.01	-.01	0	.03	.04	----	----
		65.2	0	-.01	0	.01	.05	----	----
		85.2	0	0	-.01	----	----	----	----
8	Upper	0	----	-.73	-1.73	-2.34	----	0	-1.22
		1.5	----	-.86	-1.46	-1.71	-3.32	2.4	-.71
		5.2	-.07	-.54	-.82	-1.07	-1.46	6.2	-.99
		10.3	-.07	-.39	-.58	-.75	-1.01	10.9	-1.03
		15.2	-.09	-.32	-.47	-.60	-.87	16.7	-1.04
		30.3	-.12	-.26	-.32	-.41	-.54	21.2	-1.09
		45.3	-.16	-.22	-.25	-.30	-.39	46.5	-1.11
		60.3	-.14	-.17	-.19	-.22	-.27	----	----
		80.3	-.09	-.10	-.10	-.11	-.14	----	----
		90.3	-.07	-.05	-.05	-.05	-.07	----	----
	Lower	2.6	----	.20	.14	.07	-.14	3.7	-.09
		7.7	.04	.16	.16	----	.17	----	----
		20.2	.06	.08	.09	.11	.14	21.3	.17
		35.2	.05	.04	.05	.08	.10	----	----
		50.2	.03	.02	.03	.05	.07	----	----
		65.2	.02	.01	.02	.03	.07	----	----
		85.2	.01	.01	.04	----	----	----	----
10	Upper	0	----	-1.26	-2.75	-3.80	----	0	-.84
		1.5	----	-1.14	-2.03	-2.32	-2.37	2.4	-.57
		5.2	-.10	-.67	-1.05	-1.35	-2.32	6.2	-.72
		10.3	-.08	-.46	-.72	-.96	-2.58	10.9	-.78
		15.2	-.12	-.39	-.59	-.84	-2.27	16.7	-.78
		30.3	-.14	-.30	-.40	-.47	-.93	21.2	-.80
		45.3	-.18	-.26	-.29	-.36	-.29	46.5	-.75
		60.3	-.17	-.20	-.22	-.26	-.25	----	----
		80.3	-.10	-.11	-.12	-.14	-.19	----	----
		90.3	-.08	-.05	-.06	-.07	-.10	----	----
	Lower	2.6	----	.21	.06	-.10	-.23	3.7	-.09
		7.7	.07	.21	.19	----	.19	----	----
		20.2	.09	.13	.14	.16	.19	21.3	.17
		35.2	.09	.09	.09	.12	.14	----	----
		50.2	.07	.06	.07	.09	.10	----	----
		65.2	.06	.05	.05	.10	.09	----	----
		85.2	.03	.03	.05	----	----	----	----

TABLE XV.- CONCLUDED

(c) α_u, 12, 14, 16, 18, 20, 22, 24

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
12	Upper	0	----	-1.89	-4.05	-5.26	----	0	-0.78
		1.5	----	-1.49	-2.69	-2.25	-1.36	2.4	-.56
		5.2	-0.09	-.81	-1.26	-1.69	-1.38	6.2	-.68
		10.3	-.09	-.55	-.93	-1.51	-1.33	10.9	-.71
		15.2	-.10	-.47	-.82	-1.46	-1.32	16.7	-.69
		30.3	-.17	-.36	-.43	-.85	-1.60	21.2	-.68
		45.3	-.21	-.28	-.35	-.30	-1.19	46.5	-.61
		60.3	-.17	-.22	-.27	-.26	-.91	----	----
		80.3	-.11	-.13	-.17	-.16	-.54	----	----
		90.3	-.09	-.07	-.10	.07	-.38	----	----
	Lower	2.6	----	.20	-.05	-.23	-.17	3.7	-.13
		7.7	.10	.24	.20	----	.20	----	----
		20.2	.12	.18	.19	.21	.21	21.3	.16
		35.2	.13	.13	.14	.16	.16	----	----
		50.2	.11	.10	.11	.12	.11	----	----
		65.2	.09	.08	.08	.08	.09	----	----
		85.2	.05	.05	.06	----	----	----	----
14	Upper	0	----	----	----	----	----	0	----
		1.5	----	----	----	----	----	2.4	----
		5.2	----	----	----	----	----	6.2	----
		10.3	----	----	----	----	----	10.9	----
		15.2	----	----	----	----	----	16.7	----
		30.3	----	----	----	----	----	21.2	----
		45.3	----	----	----	----	----	46.5	----
		60.3	----	----	----	----	----	----	----
		80.3	-.11	-.15	-.17	-.23	-.73	----	----
		90.3	-.09	-.08	-.09	-.13	-.61	----	----
	Lower	2.6	----	----	----	----	----	3.7	----
		7.7	.13	.28	.22	----	.20	----	----
		20.2	.16	.23	.24	.24	.22	21.3	.16
		35.2	.17	.18	.18	.19	.18	----	----
		50.2	.15	.14	.14	.15	.13	----	----
		65.2	.12	.11	.11	.10	.10	----	----
		85.2	.07	.07	.08	----	----	----	----
16	Upper	0	----	-3.60	-4.31	-1.78	----	0	-.56
		1.5	----	-2.29	-2.69	-1.68	-.99	2.4	-.52
		5.2	-.15	-1.10	-2.06	-1.70	-1.04	6.2	-.53
		10.3	-.14	-.96	-2.22	-1.70	-1.08	10.9	-.57
		15.2	-.18	-.68	-2.21	-1.76	-1.07	16.7	-.54
		30.3	-.24	-.47	-.44	-1.84	-1.03	21.2	-.57
		45.3	-.26	-.38	-.35	-1.24	-1.00	46.5	-.53
		60.3	-.21	-.29	-.34	-.81	-.91	----	----
		80.3	-.12	-.18	-.19	-.44	-.78	----	----
		90.3	-.10	-.10	-.11	-.31	-.69	----	----
	Lower	2.6	----	.11	-.29	-.24	-.26	3.7	-.20
		7.7	.15	.31	.23	----	.16	----	----
		20.2	.20	.28	.27	.26	.23	21.3	.16
		35.2	.21	.22	.22	.22	.19	----	----
		50.2	.19	.18	.17	.17	.14	----	----
		65.2	.15	.14	.13	.11	.10	----	----
		85.2	.09	.08	.09	----	----	----	----

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
18	Upper	0	----	-4.62	-2.91	-1.30	----	0	-0.56
		1.5	----	-2.53	-2.48	-1.33	-0.96	2.4	-.53
		5.2	-0.13	-1.33	-2.52	-1.40	-1.01	6.2	-.54
		10.3	-.16	-1.32	-3.01	-1.47	-.99	10.9	-.56
		15.2	-.20	-.57	-1.62	-1.49	-.99	16.7	-.55
		30.3	-.27	-.51	-.62	-1.66	-.92	21.2	-.56
		45.3	-.27	-.40	-.62	-1.34	-.95	46.5	-.53
		60.3	-.20	-.34	-.40	-1.04	-.91	----	----
		80.3	-.12	-.20	-.26	-.71	-.81	----	----
		90.3	-.11	-.12	-.16	-.53	-.72	----	----
	Lower	2.6	----	.04	-.34	-.25	-.31	3.7	-.25
		7.7	.19	.33	.24	----	.15	----	----
		20.2	.24	.33	.31	.28	.18	21.3	.16
		35.2	.26	.27	.25	.24	.21	----	----
		50.2	.23	.22	.20	.23	.16	----	----
		65.2	.19	.17	.15	.13	.11	----	----
		85.2	.11	.10	.10	----	----	----	----
20	Upper	0	----	-5.84	-2.83	-1.56	----	0	-.54
		1.5	----	-4.08	-2.41	-1.64	-.89	2.4	-.51
		5.2	-.18	-1.82	-2.50	-1.61	-.94	6.2	-.53
		10.3	-.19	-1.67	-2.56	-1.57	-.95	10.9	-.56
		15.2	-.23	-.60	-3.32	-1.50	-.98	16.7	-.56
		30.3	-.29	-.57	-1.62	-1.56	-.94	21.2	-.56
		45.3	-.21	-.50	-.89	-1.36	-.95	46.5	-.53
		60.3	-.07	-.38	-.60	-1.14	-.89	----	----
		80.3	-.14	-.24	-.38	-.82	-.81	----	----
		90.3	-.14	-.20	-.26	-.65	-.73	----	----
	Lower	2.6	----	-.07	-.42	-.39	-.39	3.7	-.29
		7.7	.22	.35	.24	----	.12	----	----
		20.2	.27	.38	.33	.30	.25	21.3	.15
		35.2	.30	.32	.29	.27	.22	----	----
		50.2	.27	.26	.23	.21	.17	----	----
		65.2	.22	.20	.17	.15	.12	----	----
		85.2	.14	.12	.10	----	----	----	----
22	Upper	0	----	-7.15	-2.68	-1.35	----	0	-.57
		1.5	----	-3.21	-2.38	-1.50	-.96	2.4	-.58
		5.2	-.19	-2.52	-2.42	-1.59	-1.00	6.2	-.57
		10.3	-.21	-2.02	-2.48	-1.60	-1.00	10.9	-.58
		15.2	-.26	-.88	-2.97	-1.57	-1.00	16.7	-.58
		30.3	-.32	-.57	-1.91	-1.53	-.99	21.2	-.58
		45.3	-.30	-.54	-1.20	-1.38	-.98	46.5	-.55
		60.3	-.21	-.45	-.83	-1.19	-.93	----	----
		80.3	-.17	-.30	-.55	-.92	-.83	----	----
		90.3	-.18	-.26	-.39	-.75	-.74	----	----
	Lower	2.6	----	-.18	-.53	-.45	-.48	3.7	-.34
		7.7	.25	.36	.22	----	.08	----	----
		20.2	.31	.42	.35	.31	.25	21.3	.14
		35.2	.34	.36	.31	.29	.23	----	----
		50.2	.30	.29	.25	.23	.18	----	----
		65.2	.25	.22	.19	.16	.12	----	----
		85.2	.16	.15	.10	----	----	----	----

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
24	Upper	0	----	-8.66	-2.05	-1.40	----	0	-0.57
		1.5	----	-3.65	-1.78	-1.47	-0.95	2.4	-.59
		5.2	-0.21	-2.92	-1.99	-1.48	-1.00	6.2	-.56
		10.3	-.23	-2.25	-2.27	-1.48	-1.01	10.9	-.59
		15.2	-.28	-1.22	-2.43	-1.48	-1.01	16.7	-.59
		30.3	-.35	-.70	-1.90	-1.47	-.98	21.2	-.58
		45.3	-.34	-.68	-1.40	-1.33	-.96	46.5	-.56
		60.3	-.25	-.54	-1.04	-1.16	-.89	----	----
		80.3	-.21	-.38	-.68	-.94	-.80	----	----
		90.3	-.21	-.31	-.50	-.79	-.72	----	----
	Lower	2.6	----	-.30	-.50	-.52	-.54	3.7	-.41
		7.7	.29	.32	.22	----	.06	----	----
		20.2	.35	.46	.38	.33	.26	21.3	.14
		35.2	.38	.40	.34	.31	.25	----	----
		50.2	.35	.33	.28	.26	.20	----	----
		65.2	.29	.26	.22	.18	.14	----	----
		85.2	.18	.15	.11	----	----	----	----

TABLE XVI.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0005-63 SECTION. M, 0.40; R, 8.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
-3	Upper	0	----	0.12	0.12	-0.03	----	0	-0.66
		1.5	----	.13	.13	.12	0.14	2.4	-.04
		5.2	-0.02	.03	.04	.05	.09	6.2	.12
		10.3	-.01	-.01	-.01	.01	.03	10.9	.09
		15.2	-.01	-.03	-.03	-.02	.01	16.7	.05
		30.3	-.01	-.05	-.05	-.04	-.03	21.2	.02
		45.3	-.04	-.06	-.05	-.05	-.03	46.5	.01
		60.3	-.05	-.06	-.05	-.03	-.03	----	----
		80.3	-.03	-.03	-.02	-.01	0	----	----
		90.3	-.03	-.01	0	.02	.02	----	----
	Lower	2.6	----	-.23	-.38	-.51	.13	3.7	-1.18
		7.7	-.04	-.20	-.26	----	-.41	----	----
		20.2	-.06	-.18	-.21	-.24	-.28	21.3	-.37
		35.2	-.10	-.16	-.18	-.19	-.21	----	----
		50.2	-.11	-.14	-.14	-.15	-.16	----	----
		65.2	-.10	-.11	-.10	-.11	-.09	----	----
		85.2	-.06	-.06	-.06	----	----	----	----
-2	Upper	0	----	.17	.22	.13	----	0	-.18
		1.5	----	.10	.09	.08	.12	2.4	-.03
		5.2	-.03	-.01	-.01	0	.03	6.2	.06
		10.3	-.02	-.04	-.05	-.04	-.02	10.9	.02
		15.2	-.02	-.06	-.06	-.05	-.04	16.7	-.01
		30.3	-.02	-.08	-.08	-.07	-.06	21.2	-.02
		45.3	-.06	-.08	-.07	-.07	-.05	46.5	-.02
		60.3	-.06	-.07	-.06	-.05	-.05	----	----
		80.3	-.04	-.04	-.03	-.02	-.01	----	----
		90.3	-.04	-.02	-.01	.01	.02	----	----
	Lower	2.6	----	-.16	-.27	-.35	-.48	3.7	-.77
		7.7	-.04	-.16	-.23	----	-.37	----	----
		20.2	-.05	-.16	-.19	-.20	-.23	21.3	-.28
		35.2	-.09	-.15	-.16	-.17	-.18	----	----
		50.2	-.10	-.13	-.13	-.13	-.14	----	----
		65.2	-.09	-.11	-.10	-.10	-.07	----	----
		85.2	-.06	-.05	-.06	----	----	----	----
-1	Upper	0	----	.20	.24	.19	----	0	.09
		1.5	----	.06	.05	.01	.06	2.4	-.03
		5.2	-.03	-.05	-.05	-.06	-.04	6.2	-.02
		10.3	-.02	-.07	-.08	-.09	-.07	10.9	-.04
		15.2	-.02	-.08	-.09	-.10	-.08	16.7	-.05
		30.3	-.03	-.09	-.09	-.10	-.09	21.2	-.06
		45.3	-.07	-.09	-.09	-.08	-.07	46.5	-.05
		60.3	-.07	-.08	-.07	-.06	-.06	----	----
		80.3	-.04	-.04	-.04	-.02	-.01	----	----
		90.3	-.04	-.02	0	.01	.02	----	----
	Lower	2.6	----	-.10	-.18	-.21	-.29	3.7	-.45
		7.7	-.02	-.12	-.17	----	-.24	----	----
		20.2	-.04	-.13	-.15	-.16	-.17	21.3	-.19
		35.2	-.07	-.12	-.14	-.13	-.14	----	----
		50.2	-.09	-.11	-.11	-.10	-.10	----	----
		65.2	-.08	-.09	-.08	-.08	-.05	----	----
		85.2	-.05	-.05	-.04	----	----	----	----

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
0	Upper	0	----	0.20	0.24	0.22	----	0	0.17
		1.5	----	-.01	-.05	-.10	-0.09	2.4	-.15
		5.2	-0.04	-.10	-.12	-.15	-.15	6.2	-.17
		10.3	-.04	-.11	-.13	-.14	-.15	10.9	-.15
		15.2	-.04	-.11	-.13	-.14	-.15	16.7	-.15
		30.3	-.05	-.11	-.12	-.13	-.13	21.2	-.12
		45.3	-.08	-.11	-.11	-.11	-.10	46.5	-.09
		60.3	-.08	-.10	-.09	-.08	-.08	----	----
		80.3	-.05	-.05	-.04	-.04	-.02	----	----
		90.3	-.05	-.03	-.01	0	.01	----	----
	Lower	2.6	----	-.04	-.08	-.09	-.12	3.7	-.16
		7.7	-.02	-.08	-.11	----	-.14	----	----
		20.2	-.03	-.10	-.12	-.12	-.12	21.3	-.11
		35.2	-.06	-.11	-.11	-.11	-.11	----	----
		50.2	-.08	-.10	-.10	-.09	-.08	----	----
		65.2	-.07	-.08	-.07	-.07	-.03	----	----
		85.2	-.05	-.04	-.04	----	----	----	----
1	Upper	0	----	.14	.19	.14	----	0	.07
		1.5	----	-.12	-.19	-.27	-.32	2.4	-.18
		5.2	-.09	-.19	-.24	-.27	-.32	6.2	-.41
		10.3	-.09	-.19	-.22	-.24	-.32	10.9	-.31
		15.2	-.09	-.18	-.22	-.23	-.30	16.7	-.29
		30.3	-.10	-.18	-.19	-.20	-.22	21.2	-.21
		45.3	-.14	-.17	-.17	-.17	-.17	46.5	-.17
		60.3	-.14	-.15	-.15	-.14	-.15	----	----
		80.3	-.10	-.11	-.12	-.09	-.08	----	----
		90.3	-.10	-.07	-.06	-.04	-.04	----	----
	Lower	2.6	----	-.04	-.05	-.05	-.05	3.7	-.03
		7.7	-.06	-.09	-.11	----	-.10	----	----
		20.2	-.06	-.13	-.13	-.14	-.12	21.3	-.09
		35.2	-.09	-.14	-.14	-.13	-.12	----	----
		50.2	-.11	-.13	-.13	-.11	-.11	----	----
		65.2	-.11	-.12	-.11	-.10	-.06	----	----
		85.2	-.09	-.08	-.08	----	----	----	----
2	Upper	0	----	.13	.14	.06	----	0	-.13
		1.5	----	-.16	-.27	-.37	-.38	2.4	-.30
		5.2	-.05	-.19	-.26	-.33	-.41	6.2	-.56
		10.3	-.05	-.19	-.23	-.26	-.31	10.9	-.38
		15.2	-.05	-.16	-.21	-.23	-.27	16.7	-.33
		30.3	-.07	-.15	-.18	-.19	-.21	21.2	-.24
		45.3	-.11	-.14	-.14	-.15	-.15	46.5	-.17
		60.3	-.10	-.12	-.11	-.15	-.12	----	----
		80.3	-.07	-.07	-.06	-.05	-.05	----	----
		90.3	-.06	-.03	-.02	-.01	-.01	----	----
	Lower	2.6	----	.05	.06	.07	.08	3.7	.12
		7.7	-.01	-.01	-.02	----	.01	----	----
		20.2	-.01	-.06	-.06	-.05	-.03	21.3	.01
		35.2	-.03	-.07	-.07	-.06	-.04	----	----
		50.2	-.05	-.07	-.06	-.05	-.04	----	----
		65.2	-.05	-.06	-.05	-.04	0	----	----
		85.2	-.04	-.03	-.03	----	----	----	----

TABLE XVI.- CONTINUED

(b) α_u; 3, 4, 5, 6, 8, 10

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
3	Upper	0	----	0.05	-0.05	-0.14	----	0	-0.48
		1.5	----	-.29	-.42	-.54	-0.85	2.4	-.63
		5.2	-0.06	-.25	-.34	-.42	-.54	6.2	-.82
		10.3	-.05	-.25	-.28	-.33	-.40	10.9	-.56
		15.2	-.06	-.19	-.33	-.29	-.35	16.7	-.46
		30.3	-.08	-.17	-.20	-.22	-.25	21.2	-.33
		45.3	-.12	-.15	-.16	-.17	-.19	46.5	-.24
		60.3	-.11	-.13	-.12	-.12	-.14	----	----
		80.3	-.07	-.07	-.07	-.06	-.06	----	----
		90.3	-.06	-.04	-.02	-.01	-.01	----	----
	Lower	2.6	----	.10	.10	.12	.13	3.7	.15
		7.7	0	.02	.02	----	.09	----	----
		20.2	.01	-.03	-.03	-.01	.01	21.3	.06
		35.2	-.02	-.05	-.05	-.04	-.02	----	----
		50.2	-.04	-.05	-.05	-.03	-.02	----	----
		65.2	-.04	-.05	-.04	-.03	.01	----	----
		85.2	-.03	-.02	-.02	----	----	----	----
4	Upper	0	----	-.03	-.29	-.44	----	0	-.81
		1.5	----	-.34	-.59	-.76	-1.22	2.4	-.65
		5.2	-.05	-.29	-.42	-.53	-.70	6.2	-1.02
		10.3	-.05	-.24	-.32	-.40	-.51	10.9	-.81
		15.2	-.05	-.21	-.29	-.34	-.43	16.7	-.68
		30.3	-.09	-.19	-.21	-.25	-.30	21.2	-.43
		45.3	-.12	-.16	-.18	-.18	-.22	46.5	-.28
		60.3	-.12	-.14	-.13	-.14	-.16	----	----
		80.3	-.08	-.08	-.07	-.07	-.07	----	----
		90.3	-.06	-.04	-.03	-.02	-.02	----	----
	Lower	2.6	----	.13	.14	.15	.13	3.7	.15
		7.7	.01	.05	.06	----	.12	----	----
		20.2	.02	-.01	0	.01	.04	21.3	.10
		35.2	0	-.03	-.03	-.01	.03	----	----
		50.2	-.02	-.04	-.03	-.02	0	----	----
		65.2	-.03	-.04	-.03	-.02	.02	----	----
		85.2	-.02	-.02	.02	----	----	----	----
5	Upper	0	----	-.16	-.38	-.77	----	0	-.99
		1.5	----	-.45	-.80	-.99	-1.67	2.4	-.65
		5.2	-.07	-.35	-.51	-.67	-.87	6.2	-1.03
		10.3	-.06	-.28	-.38	-.48	-.62	10.9	-.99
		15.2	-.07	-.24	-.33	-.40	-.50	16.7	-1.00
		30.3	-.10	-.21	-.25	-.29	-.35	21.2	-1.10
		45.3	-.13	-.17	-.19	-.22	-.26	46.5	-.66
		60.3	-.13	-.14	-.06	-.15	-.19	----	----
		80.3	-.08	-.09	-.08	-.08	-.09	----	----
		90.3	-.07	-.04	-.03	-.02	-.03	----	----
	Lower	2.6	----	.14	.16	.16	.12	3.7	.11
		7.7	.02	.08	.09	----	.15	----	----
		20.2	.03	.01	.03	.04	.07	21.3	.13
		35.2	.01	-.01	-.01	.01	.04	----	----
		50.2	-.01	-.02	-.02	0	.02	----	----
		65.2	-.01	-.02	-.01	0	.04	----	----
		85.2	-.01	-.01	.03	----	----	----	----

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
6	Upper	0	----	0.05	-0.93	-1.24	----	0	-1.06
		1.5	----	-.58	-1.04	-1.19	-2.34	2.4	-.63
		5.2	-0.07	-.42	-.62	-.81	-1.08	6.2	-.97
		10.3	-.06	-.32	-.45	-.58	-.75	10.9	-.98
		15.2	-.07	-.29	-.38	-.47	-1.61	16.7	-.99
		30.3	-.11	-.23	-.29	-.33	-.41	21.2	-1.19
		45.3	-.15	-.19	-.21	-.24	-.30	46.5	-1.12
		60.3	-.13	-.15	-.17	-.17	-.21	----	----
		80.3	-.09	-.09	-.09	-.09	-.10	----	----
		90.3	-.07	-.05	-.05	-.03	-.04	----	----
	Lower	2.6	----	.18	.17	.15	.07	3.7	.06
		7.7	.03	.11	.12	----	.17	----	----
		20.2	.04	.04	.05	.07	.10	21.3	.15
		35.2	.03	.01	.01	.04	.06	----	----
		50.2	.01	-.01	0	.02	.04	----	----
		65.2	0	-.01	0	.01	.05	----	----
		85.2	-.01	0	.04	----	----	----	----
8	Upper	0	----	-.72	-1.74	-2.36	----	0	-.81
		1.5	----	-.86	-1.48	-1.73	-2.27	2.4	-.44
		5.2	-.07	-.54	-.84	-1.09	-2.44	6.2	-.66
		10.3	-.07	-.39	-.58	-.76	-2.47	10.9	-.67
		15.2	-.08	-.33	-.49	-.63	-.84	16.7	-.68
		30.3	-.13	-.27	-.34	-.43	-.38	21.2	-.68
		45.3	-.17	-.23	-.26	-.31	-.27	46.5	-.69
		60.3	-.33	-.18	-.20	-.21	-.20	----	----
		80.3	-.09	-.11	-.11	-.12	-.12	----	----
		90.3	-.08	-.05	-.05	-.05	-.06	----	----
	Lower	2.6	----	.21	.15	.07	-.04	3.7	.02
		7.7	.05	.16	.16	----	.20	----	----
		20.2	.07	.08	.10	.12	.15	21.3	.16
		35.2	.06	.05	.06	.08	.11	----	----
		50.2	.04	.03	.04	.06	.07	----	----
		65.2	.03	.02	.03	.04	.07	----	----
		85.2	.01	.01	.05	----	----	----	----
10	Upper	0	----	-1.26	-2.82	-2.58	----	0	-.65
		1.5	----	-1.16	-2.06	-1.71	-1.33	2.4	-.41
		5.2	-.08	-.68	-1.07	-1.31	-1.38	6.2	-.57
		10.3	-.08	-.48	-.76	-1.00	-1.44	10.9	-.58
		15.2	-.09	-.40	-.63	-.82	-1.42	16.7	-.58
		30.3	-.15	-.32	-.42	-.50	-1.82	21.2	-.59
		45.3	0	-.26	-.32	-.35	-.98	46.5	-.56
		60.3	.02	-.20	-.24	-.24	-.48	----	----
		80.3	-.10	-.12	-.13	-.14	-.23	----	----
		90.3	-.09	-.06	-.06	-.07	-.15	----	----
	Lower	2.6	----	.22	.07	-.02	-.07	3.7	-.02
		7.7	.08	.21	.19	----	.20	----	----
		20.2	.10	.14	.15	.17	.18	21.3	.16
		35.2	.10	.09	.10	.12	.14	----	----
		50.2	.06	.07	.07	.09	.10	----	----
		65.2	.06	.05	.06	.06	.06	----	----
		85.2	.03	.03	.07	----	----	----	----

TABLE XVI.- CONCLUDED

(c) α_u, 12, 14, 16

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
12	Upper	0	----	-1.91	-3.98	-1.83	----	0	-0.54
		1.5	----	-1.51	-2.59	-1.33	-1.04	2.4	-.37
		5.2	-0.09	-.83	-1.33	-1.40	-1.03	6.2	-.49
		10.3	-.09	-.58	-.96	-1.36	-1.01	10.9	-.50
		15.2	-.12	-.50	-.83	-1.51	-1.00	16.7	-.51
		30.3	-.18	-.38	-.53	-1.30	-.96	21.2	-.52
		45.3	-.22	-.31	-.40	-.36	-1.05	46.5	-.52
		60.3	-.20	-.24	-.27	-.11	-.89	----	----
		80.3	-.12	-.13	-.16	-.17	-.66	----	----
		90.3	-.09	-.08	-.16	-.13	-.54	----	----
	Lower	2.6	----	.22	-.02	-.06	-.09	3.7	-.05
		7.7	.10	.25	.22	----	.21	----	----
		20.2	.13	.18	.20	.20	.20	21.3	.15
		35.2	.14	.14	.14	.16	.15	----	----
		50.2	.11	.10	.10	.12	.11	----	----
		65.2	.09	.08	.08	.07	.08	----	----
		85.2	.05	.04	.07	----	----	----	----

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
14	Upper	0	----	-2.68	-2.31	-1.46	----	0	-0.59
		1.5	----	-1.87	-1.82	-1.41	-0.85	2.4	-.45
		5.2	-0.11	-.97	-1.73	-1.47	-.85	6.2	-.53
		10.3	-.11	-.76	-1.87	-1.54	-.86	10.9	-.54
		15.2	-.14	-.63	-1.73	-1.61	-.86	16.7	-.54
		30.3	-.22	-.44	-.40	-2.04	-.79	21.2	-.53
		45.3	-.26	-.35	-.30	-1.01	-.90	46.5	-.52
		60.3	-.22	-.26	-.24	-.49	-.89	----	----
		80.3	-.13	-.16	-.19	-.37	-.72	----	----
		90.3	-.11	-.10	-.12	-.25	-.61	----	----
	Lower	2.6	----	.19	-.06	-.08	-.11	3.7	-.12
		7.7	.13	.29	.23	----	.20	----	----
		20.2	.16	.23	.23	.23	.21	21.3	.15
		35.2	.17	.18	.18	.18	.17	----	----
		50.2	.15	.14	.13	.14	.12	----	----
		65.2	.12	.10	.10	.09	.08	----	----
		85.2	.07	.06	.08	----	----	----	----

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
16	Upper	0	----	----	----	----	----	0	----
		1.5	----	----	----	----	----	2.4	----
		5.2	----	----	----	----	----	6.2	----
		10.3	----	----	----	----	----	10.9	----
		15.2	----	----	----	----	----	16.7	----
		30.3	----	----	----	----	----	21.2	----
		45.3	----	----	----	----	----	46.5	----
		60.3	----	----	----	----	----	----	----
		80.3	-0.13	-0.19	-0.24	-0.56	-0.72	----	----
		90.3	-.11	-.11	-.15	-.41	-.64	----	----
	Lower	2.6	----	----	----	----	----	3.7	----
		7.7	.16	.32	.25	----	.17	----	----
		20.2	.20	.29	.27	.26	.23	21.3	.16
		35.2	.22	.23	.21	.21	.19	----	----
		50.2	.19	.18	.17	.16	.14	----	----
		65.2	.15	.14	.12	.11	.10	----	----
		85.2	.09	.08	.09	----	----	----	----

TABLE XVII.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0005-63 SECTION. M, 0.24; R, 15.0 MILLION

(a) α_u, -2, -1, 0, 1, 2, 3

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
-2	Upper	0	----	0.16	0.32	0.41	----	0	-0.20
		1.5	----	.10	.10	.09	0.12	2.4	0
		5.2	-0.02	0	0	.01	.03	6.2	.08
		10.3	-.02	-.04	-.04	-.03	-.01	10.9	.04
		15.2	-.01	-.05	-.05	-.05	-.03	16.7	.02
		30.3	-.02	-.07	-.07	-.06	-.05	21.2	-.01
		45.3	-.05	-.07	-.07	-.06	-.05	46.5	-.01
		60.3	-.06	-.07	-.06	-.04	-.04	----	----
		80.3	-.04	-.04	-.03	-.02	0	----	----
		90.3	-.04	-.02	0	.01	.02	----	----
	Lower	2.6	----	-.17	-.28	-.33	-.49	3.7	-.79
		7.7	-.04	-.16	-.23	----	-.33	----	----
		20.2	-.05	-.16	-.18	-.20	-.23	21.3	-.27
		35.2	-.08	-.14	-.16	-.16	-.17	----	----
		50.2	-.10	-.12	-.13	-.12	-.13	----	----
		65.2	-.09	-.10	-.10	-.09	-.07	----	----
		85.2	-.06	-.05	-.05	----	----	----	----
	c_n	----	-.022	-.070	-.086	-.100	-.124	----	----
-1	Upper	0	----	.19	.43	.45	----	0	.08
		1.5	----	.06	.05	.03	.06	2.4	-.02
		5.2	-.03	-.04	-.05	-.05	-.04	6.2	-.03
		10.3	-.02	-.06	-.07	-.07	-.06	10.9	-.03
		15.2	-.02	-.07	-.08	-.08	-.08	16.7	-.05
		30.3	-.02	-.09	-.09	-.09	-.08	21.2	-.05
		45.3	-.06	-.08	-.08	-.08	-.07	46.5	-.04
		60.3	-.07	-.08	-.07	-.06	-.05	----	----
		80.3	-.04	-.04	-.03	-.02	-.01	----	----
		90.3	-.05	-.02	0	.01	.02	----	----
	Lower	2.6	----	-.11	-.18	-.21	-.30	3.7	-.47
		7.7	-.03	-.12	-.17	----	-.23	----	----
		20.2	-.04	-.13	-.15	-.16	-.18	21.3	-.22
		35.2	-.07	-.12	-.14	-.14	-.14	----	----
		50.2	-.09	-.11	-.11	-.11	-.11	----	----
		65.2	-.08	-.09	-.08	-.08	-.05	----	----
		85.2	-.05	-.05	-.05	----	----	----	----
	c_n	----	-.022	-.037	-.044	-.051	-.074	----	----
0	Upper	0	----	.20	.43	.42	----	0	.17
		1.5	----	-.01	-.04	-.08	-.08	2.4	-.15
		5.2	-.04	-.09	-.11	-.13	-.14	6.2	-.16
		10.3	-.03	-.10	-.12	-.13	-.14	10.9	-.13
		15.2	-.03	-.10	-.13	-.13	-.14	16.7	-.13
		30.3	-.05	-.11	-.12	-.12	-.13	21.2	-.11
		45.3	-.08	-.10	-.10	-.10	-.06	46.5	-.08
		60.3	-.08	-.09	-.08	-.07	-.07	----	----
		80.3	-.05	-.05	-.04	-.03	-.02	----	----
		90.3	-.05	-.03	-.01	0	.01	----	----
	Lower	2.6	----	-.05	-.09	-.09	-.13	3.7	-.17
		7.7	-.02	-.08	-.12	----	-.14	----	----
		20.2	-.03	-.11	-.12	-.12	-.12	21.3	-.14
		35.2	-.06	-.10	-.11	-.11	-.11	----	----
		50.2	-.08	-.10	-.10	-.09	-.08	----	----
		65.2	-.07	-.08	-.07	-.07	-.03	----	----
		85.2	-.05	-.04	-.04	----	----	----	----
	c_n	----	0	0	0	0	0	----	----

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
1	Upper	0	----	0.18	0.36	0.45	----	0	0.11
		1.5	----	-.07	-.14	-.20	-0.26	2.4	-.13
		5.2	-0.05	-.14	-.18	-.21	-.25	6.2	-.34
		10.3	-.04	-.14	-.17	-.19	-.21	10.9	-.24
		15.2	-.04	-.13	-.16	-.18	-.20	16.7	-.22
		30.3	-.06	-.13	-.14	-.15	-.16	21.2	-.16
		45.3	-.09	-.12	-.12	-.12	-.12	46.5	-.12
		60.3	-.09	-.10	-.10	-.09	-.09	----	----
		80.3	-.06	-.06	-.05	-.04	-.03	----	----
		90.3	-.06	-.03	-.02	0	0	----	----
	Lower	2.6	----	0	-.01	0	-.01	3.7	0
		7.7	-.02	-.05	-.07	----	-.06	----	----
		20.2	-.02	-.09	-.09	-.08	-.08	21.3	-.05
		35.2	-.03	-.09	-.09	-.08	-.08	----	----
		50.2	-.06	-.08	-.08	-.07	-.06	----	----
		65.2	-.06	-.07	-.06	-.05	-.02	----	----
		85.2	-.04	-.04	-.04	----	----	----	----
	c_n	----	.022	.040	.042	.057	.070	----	----
2	Upper	0	----	.14	.26	.36	----	0	-.12
		1.5	----	-.15	-.27	-.35	-.50	2.4	-.32
		5.2	-.05	-.19	-.25	-.30	-.37	6.2	-.55
		10.3	-.05	-.17	-.25	-.25	-.30	10.9	-.37
		15.2	-.05	-.16	-.20	-.23	-.26	16.7	-.32
		30.3	-.07	-.15	-.17	-.18	-.20	21.2	-.23
		45.3	-.10	-.13	-.14	-.14	-.15	46.5	-.17
		60.3	-.10	-.11	-.11	-.10	-.11	----	----
		80.3	-.06	-.06	-.06	-.05	-.04	----	----
		90.3	-.06	-.03	-.02	-.01	0	----	----
	Lower	2.6	----	.05	.05	.07	.09	3.7	.12
		7.7	-.01	-.01	-.02	----	.02	----	----
		20.2	-.01	-.06	-.06	-.05	-.03	21.3	-.02
		35.2	-.03	-.07	-.07	-.06	-.04	----	----
		50.2	-.05	-.07	-.06	-.05	-.04	----	----
		65.2	-.05	-.06	-.05	-.04	0	----	----
		85.2	-.03	-.03	-.03	----	----	----	----
	c_n	----	.037	.071	.089	.110	.146	----	----
3	Upper	0	----	.07	.12	.06	----	0	-.50
		1.5	----	-.24	-.40	-.51	-.80	2.4	-.65
		5.2	-.06	-.24	-.33	-.40	-.51	6.2	-.78
		10.3	-.05	-.20	-.27	-.32	-.39	10.9	-.52
		15.2	-.06	-.19	-.24	-.28	-.33	16.7	-.44
		30.3	-.08	-.17	-.19	-.21	-.24	21.2	-.30
		45.3	-.11	-.15	-.15	-.16	-.18	46.5	-.22
		60.3	-.11	-.12	-.12	-.12	-.13	----	----
		80.3	-.07	-.07	-.06	-.06	-.06	----	----
		90.3	-.06	-.04	-.02	-.01	-.01	----	----
	Lower	2.6	----	.09	.10	.12	.13	3.7	.16
		7.7	0	.02	.02	----	.07	----	----
		20.2	0	-.04	-.03	-.02	0	21.3	.05
		35.2	-.02	-.05	-.05	-.04	-.02	----	----
		50.2	-.04	-.06	-.05	-.03	-.02	----	----
		65.2	-.04	-.05	-.04	-.03	.01	----	----
		85.2	-.03	-.02	-.02	----	----	----	----
	c_n	----	.059	.101	.125	.159	.205	----	----

NACA

TABLE XVII.- CONTINUED

(b) α_u, 4, 5, 6, 8, 10, 12

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
4	Upper	0	——	-0.03	-0.16	-0.29	——	0	-1.11
		1.5	——	-.34	-.57	-.71	-1.19	2.4	-.93
		5.2	0.05	-.29	-.41	-.52	-.68	6.2	-1.10
		10.3	.05	-.23	-.32	-.39	-.49	10.9	-.73
		15.2	.07	-.21	-.28	-.33	-.41	16.7	-.59
		30.3	.08	-.18	-.22	-.25	-.29	21.2	-.40
		45.3	.13	-.16	-.17	-.19	-.21	46.5	-.28
		60.3	.11	-.13	-.13	-.14	-.13	——	——
		80.3	-.07	-.07	-.06	-.06	-.06	——	——
		90.3	-.06	-.03	-.02	-.01	-.01	——	——
	Lower	2.6	——	.13	.14	.14	.14	3.7	.11
		7.7	.01	.06	.06	——	.13	——	——
		20.2	.02	-.01	0	.02	.04	21.3	.10
		35.2	0	-.03	-.03	-.01	.01	——	——
		50.2	-.02	-.03	-.03	-.01	.01	——	——
		65.2	-.02	-.03	-.02	-.01	.04	——	——
		85.2	-.02	-.01	.07	——	——	——	——
	c_n	——	.0756	.1356	.1711	.2093	.2824	——	——
5	Upper	0	——	-.14	-.46	-.70	——	0	-1.88
		1.5	——	-.45	-.76	-.93	-1.64	2.4	-1.38
		5.2	-.06	-.35	-.50	-.64	-.86	6.2	-1.48
		10.3	-.06	-.27	-.38	-.46	-.60	10.9	-1.02
		15.2	-.06	-.24	-.32	-.39	-.49	16.7	-.80
		30.3	-.09	-.20	-.24	-.28	-.33	21.2	-.45
		45.3	-.13	-.17	-.18	-.20	-.24	46.5	-.29
		60.3	-.12	-.14	-.16	-.14	-.17	——	——
		80.3	-.07	-.08	-.07	-.07	-.08	——	——
		90.3	-.06	-.04	-.02	-.02	-.02	——	——
	Lower	2.6	——	.19	.16	.15	.12	3.7	.05
		7.7	.02	.09	.09	——	.16	——	——
		20.2	.03	.02	.03	.05	.07	21.3	.13
		35.2	.02	-.01	0	.02	.04	——	——
		50.2	-.01	-.02	-.01	.01	.03	——	——
		65.2	-.01	-.02	-.01	0	.05	——	——
		85.2	-.01	-.01	.08	——	——	——	——
	c_n	——	.0927	.1681	.2174	.2566	.3407	——	——
6	Upper	0	——	-.31	-.81	-1.19	——	0	-2.74
		1.5	——	-.57	-.99	-1.18	-2.18	2.4	-1.82
		5.2	-.06	-.41	-.60	-.78	-1.06	6.2	-1.69
		10.3	-.06	-.31	-.44	-.55	-.72	10.9	-1.16
		15.2	-.07	-.27	-.38	-.45	-.59	16.7	-.83
		30.3	-.11	-.22	-.27	-.31	-.39	21.2	-.53
		45.3	-.14	-.18	-.20	-.23	-.28	46.5	-.37
		60.3	-.12	-.15	-.16	-.17	-.20	——	——
		80.3	-.08	-.09	-.08	-.08	-.10	——	——
		90.3	-.07	-.04	-.03	-.03	-.04	——	——
	Lower	2.6	——	.18	.17	.15	.07	3.7	-.07
		7.7	.03	.11	.12	——	.18	——	——
		20.2	.04	.04	.05	.07	.10	21.3	.16
		35.2	.03	.01	.01	.04	.06	——	——
		50.2	.01	0	0	.02	.04	——	——
		65.2	0	-.01	0	.01	.06	——	——
		85.2	0	0	.08	——	——	——	——
	c_n	——	.1112	.2012	.2556	.3130	.4325	——	——

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
8	Upper	0	——	-0.72	-1.70	-2.38	——	0	-1.67
		1.5	——	-.86	-1.48	-1.75	-3.14	2.4	-.93
		5.2	-0.06	-.54	-.82	-1.10	-1.48	6.2	-1.29
		10.3	-.06	-.39	-.57	-.73	-1.01	10.9	-1.32
		15.2	-.08	-.33	-.47	-.58	-.82	16.7	-1.32
		30.3	-.12	-.26	-.32	-.39	-.51	21.2	-1.37
		45.3	-.15	-.21	-.24	-.28	-.36	46.5	-1.26
		60.3	-.14	-.17	-.18	-.20	-.26	——	——
		80.3	-.08	-.10	-.10	-.11	-.14	——	——
		90.3	-.08	-.05	-.04	-.04	-.07	——	——
	Lower	2.6	——	.21	.14	.07	-.14	3.7	-.14
		7.7	.05	.16	.16	——	.18	——	——
		20.2	.07	.08	.10	.12	.14	21.3	.18
		35.2	.06	.05	.06	.08	.11	——	——
		50.2	.04	.03	.04	.06	.08	——	——
		65.2	.03	.02	.03	.04	.09	——	——
		85.2	.01	.08	.10	——	——	——	——
	c_n	——	.143	.276	.349	.418	.589	——	——
10	Upper	0	——	-1.25	-2.78	-3.89	——	0	-1.07
		1.5	——	-1.15	-2.10	-2.41	-3.86	2.4	-.66
		5.2	-.06	-.67	-1.05	-1.40	-1.82	6.2	-.80
		10.3	-.07	-.46	-.71	-.94	-2.03	10.9	-.84
		15.2	-.08	-.39	-.57	-.75	-2.15	16.7	-.86
		30.3	-.13	-.30	-.37	-.47	-.43	21.2	-.68
		45.3	-.17	-.23	-.28	-.35	-.33	46.5	-.86
		60.3	-.14	-.19	-.21	-.25	-.26	——	——
		80.3	-.09	-.11	-.12	-.14	-.16	——	——
		90.3	-.08	-.05	-.06	-.07	-.07	——	——
	Lower	2.6	——	.22	.07	-.08	-.44	3.7	-.13
		7.7	.07	.21	.19	——	.15	——	——
		20.2	.10	.13	.14	.16	.19	21.3	.18
		35.2	.09	.09	.09	.12	.15	——	——
		50.2	.07	.06	.07	.09	.11	——	——
		65.2	.06	.05	.05	.06	.10	——	——
		85.2	.03	.03	.11	——	——	——	——
	c_n	——	.179	.347	.434	.426	.771	——	——
12	Upper	0	——	-1.87	-4.02	-5.70	——	0	-.88
		1.5	——	-1.48	-2.74	-2.98	-1.84	2.4	-.60
		5.2	-.08	-.79	-1.28	-1.62	-1.90	6.2	-.69
		10.3	-.08	-.55	-.87	-1.42	-1.92	10.9	-.71
		15.2	-.10	-.47	-.70	-1.02	-1.99	16.7	-.72
		30.3	-.15	-.33	-.43	-.51	-1.81	21.2	-.71
		45.3	-.18	-.25	-.33	-.37	-1.08	46.5	-.68
		60.3	-.16	-.20	-.25	-.27	-.63	——	——
		80.3	-.10	-.12	-.15	-.16	-.32	——	——
		90.3	-.08	-.06	-.08	-.09	-.20	——	——
	Lower	2.6	——	.22	-.05	-.29	-.41	3.7	-.15
		7.7	.10	.25	.20	——	.17	——	——
		20.2	.13	.18	.19	.20	.22	21.3	.18
		35.2	.14	.14	.14	.17	.18	——	——
		50.2	.11	.11	.11	.13	.13	——	——
		65.2	.09	.08	.09	.09	.11	——	——
		85.2	.06	.06	.13	——	——	——	——
	c_n	——	.221	.422	.551	.563	1.016	——	——

TABLE XVII.- CONCLUDED

(c) α_u, 14, 16

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
14	Upper	0	----	-2.66	-5.56	-5.14	----	0	-0.71
		1.5	----	-1.86	-3.38	-2.19	-1.21	2.4	-.53
		5.2	-0.09	-.93	-1.70	-2.18	-1.26	6.2	-.57
		10.3	-.09	-.72	-1.44	-2.44	-1.25	10.9	-.59
		15.2	-.11	-.59	-.95	-2.63	-1.20	16.7	-.59
		30.3	-.18	-.38	-.48	-1.04	-1.22	21.2	-.59
		45.3	-.21	-.30	-.37	-.37	-1.14	46.5	-.59
		60.3	-.18	-.23	-.28	-.28	-.95	----	----
		80.3	-.11	-.15	-.19	-.20	-.74	----	----
		90.3	-.10	-.08	-.11	-.11	-.61	----	----
	Lower	2.6	----	.19	-.22	-.35	-.30	3.7	-.15
		7.7	.13	.28	.20	----	.19	----	----
		20.2	.16	.23	.23	.24	.23	21.3	.16
		35.2	.17	.18	.18	.20	.18	----	----
		50.2	.15	.14	.14	.15	.13	----	----
		65.2	.12	.11	.11	.10	.11	----	----
		85.2	.07	.07	.14	----	----	----	----
	c_n	----	.268	.518	.652	.929	1.104	----	----

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
16	Upper	0	----	-3.54	-6.48	-3.62	----	0	-0.64
		1.5	----	-2.25	-2.61	-1.69	-1.01	2.4	-.52
		5.2	-0.11	-2.11	-2.14	-1.80	-1.05	6.2	-.53
		10.3	-.12	-.98	-2.30	-1.85	-1.05	10.9	-.54
		15.2	-.15	-.60	-2.54	-1.94	-1.03	16.7	-.55
		30.3	-.22	-.42	-.34	-1.86	-1.02	21.2	-.55
		45.3	-.24	-.35	-.35	-1.16	-1.01	46.5	-.54
		60.3	-.20	-.28	-.30	-.73	-.92	----	----
		80.3	-.12	-.18	-.20	-.42	-.78	----	----
		90.3	-.11	-.10	-.12	-.29	-.68	----	----
	Lower	2.6	----	.13	-.36	-.35	-.28	3.7	-.20
		7.7	.15	.31	.21	----	.17	----	----
		20.2	.20	.27	.27	.26	.24	21.3	.16
		35.2	.21	.23	.22	.22	.20	----	----
		50.2	.19	.18	.17	.17	.14	----	----
		65.2	.15	.14	.13	.12	.11	----	----
		85.2	.09	.08	.15	----	----	----	----
	c_n	----	.322	.655	.911	1.180	1.173	----	----

TABLE XVIII.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0008-63 SECTION. M, 0.11; R, 3.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.50b/2	0.75b/2	0.90b/2	0.90b/2
-3	Upper	0	---	0.14	0.07	-0.01	-0.09	0	-0.38
		1.5	---	.15	.12	.11	.13	5.0	.13
		5.2	0.02	.04	.03	.03	.07	8.8	.11
		10.3	.01	.03	-.02	-.02	0	13.4	.06
		15.2	.01	-.05	-.05	-.05	-.02	18.6	.03
		30.3	-.01	-.07	-.09	-.07	-.05	33.0	0
		45.3	-.05	-.08	-.08	-.07	-.05	47.9	-.02
		60.3	-.05	-.07	-.07	-.05	-.05	62.5	-.01
		80.3	-.02	-.03	-.03	-.01	-.01	82.0	.01
		90.3	-.01	.02	.03	.03	.02	---	---
	Lower	2.6	---	-.16	-.33	-.03	-.57	6.3	-.80
		7.7	-.03	-.22	-.32	-.34	-.51	10.9	-.80
		20.2	-.05	-.21	-.25	-.31	-.37	23.3	---
		35.2	-.09	-.19	-.21	-.22	-.26	37.9	-.33
		50.2	-.10	-.16	-.16	-.16	-.20	52.6	-.24
		65.2	---	-.13	-.11	-.12	-.13	67.3	-.16
		85.2	-.05	-.05	-.05	-.03	-.02	82.5	---
-2	Upper	0	---	.15	.11	.07	.05	0	-.09
		1.5	---	.11	.09	.06	.10	5.0	.11
		5.2	0	0	-.02	-.03	-.01	8.8	.04
		10.3	-.01	-.05	-.08	-.08	-.06	13.4	-.02
		15.2	-.01	-.09	-.09	-.09	-.08	18.6	-.05
		30.3	-.02	-.10	-.11	-.10	-.09	33.0	-.05
		45.3	-.06	-.10	-.10	-.10	-.09	47.9	-.06
		60.3	-.07	-.09	-.09	-.07	-.06	62.5	-.04
		80.3	-.04	-.05	-.04	-.03	-.03	82.0	-.01
		90.3	-.03	.01	.01	-.02	0	---	---
	Lower	2.6	---	-.13	-.24	-.30	-.39	6.3	-.57
		7.7	-.04	-.19	-.26	-.31	-.33	10.9	-.48
		20.2	-.05	-.19	-.23	-.27	-.31	23.3	---
		35.2	-.09	-.18	-.20	-.22	-.24	37.9	-.29
		50.2	-.10	-.16	-.15	-.15	-.17	52.6	-.20
		65.2	---	-.13	-.12	-.11	-.10	67.3	-.14
		85.2	-.05	-.05	-.05	-.03	-.03	82.5	---
-1	Upper	0	---	.18	.14	.14	.13	0	.14
		1.5	---	.07	.03	-.01	.03	5.0	.02
		5.2	-.01	-.05	-.07	-.09	-.07	8.8	-.07
		10.3	-.02	-.09	-.12	-.13	-.13	13.4	-.11
		15.2	-.02	-.11	-.13	-.13	-.13	18.6	-.12
		30.3	-.04	-.11	-.14	-.13	-.13	33.0	-.10
		45.3	-.08	-.11	-.12	-.13	-.11	47.9	-.09
		60.3	-.09	-.10	-.10	-.09	-.09	62.5	-.06
		80.3	-.05	-.05	-.05	-.03	-.05	82.0	-.02
		90.3	-.03	-.01	.01	.02	.01	---	---
	Lower	2.6	---	-.07	-.14	-.18	-.22	6.3	-.33
		7.7	-.03	-.14	-.20	-.22	-.26	10.9	-.45
		20.2	-.03	-.17	-.20	-.23	-.24	23.3	---
		35.2	-.08	-.17	-.17	-.19	-.21	37.9	-.22
		50.2	-.09	-.15	-.14	-.15	-.16	52.6	-.17
		65.2	---	-.11	-.10	-.09	-.10	67.3	-.13
		85.2	-.05	-.05	-.05	-.03	-.01	82.5	---

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.50b/2	0.75b/2	0.90b/2	0.90b/2
0	Upper	0	---	0.19	0.16	0.15	0.15	0	0.17
		1.5	---	.03	-.01	-.06	-.05	5.0	-.10
		5.2	-0.01	-.07	-.11	-.14	-.14	8.8	-.17
		10.3	-.02	-.11	-.14	-.17	-.19	13.4	-.20
		15.2	-.01	-.13	-.16	-.17	-.17	18.6	-.19
		30.3	-.03	-.13	-.15	-.15	-.15	33.0	-.14
		45.3	-.08	-.12	-.13	-.13	-.13	47.9	-.11
		60.3	-.08	-.09	-.10	-.09	-.09	62.5	-.07
		80.3	-.04	-.05	-.05	-.03	-.03	82.0	-.03
		90.3	-.03	.01	.02	.02	.02	---	---
	Lower	2.6	---	-.01	-.06	-.07	-.10	6.3	-.13
		7.7	-.02	-.09	-.14	-.15	-.17	10.9	-.17
		20.2	-.02	-.13	-.16	-.19	-.19	23.3	---
		35.2	-.06	-.13	-.14	-.14	-.16	37.9	-.16
		50.2	-.08	-.13	-.12	-.11	-.12	52.6	-.12
		65.2	---	-.10	-.09	-.09	-.08	67.3	-.07
		85.2	-.04	-.03	-.03	-.02	.01	82.5	---
1	Upper	0	---	.17	.13	.12	.10	0	.14
		1.5	---	-.04	-.11	-.18	-.22	5.0	-.34
		5.2	-.02	-.13	-.19	-.25	-.28	8.8	-.38
		10.3	-.03	-.16	-.21	-.25	-.29	13.4	-.37
		15.2	-.03	-.17	-.21	-.23	-.26	18.6	-.33
		30.3	-.07	-.15	-.19	-.19	-.20	33.0	-.23
		45.3	-.10	-.14	-.15	-.16	-.17	47.9	-.17
		60.3	-.10	-.11	-.12	-.10	-.11	62.5	-.12
		80.3	-.05	-.06	-.06	-.05	-.05	82.0	-.04
		90.3	-.04	-.01	.01	.01	.01	---	---
	Lower	2.6	---	.03	0	0	.01	6.3	.02
		7.7	-.02	-.07	-.09	-.09	-.09	10.9	-.06
		20.2	-.01	-.11	-.13	-.15	-.14	23.3	---
		35.2	-.05	-.13	-.13	-.13	-.13	37.9	-.11
		50.2	-.07	-.11	-.11	-.10	-.11	52.6	-.09
		65.2	---	-.10	-.08	-.09	-.07	67.3	-.06
		85.2	-.04	-.04	-.03	-.02	-.02	82.5	---
2	Upper	0	---	.16	.09	.06	.02	0	.01
		1.5	---	-.10	-.19	-.30	-.37	5.0	-.60
		5.2	-.02	-.17	-.25	-.33	-.38	8.8	-.57
		10.3	-.03	-.18	-.26	-.30	-.37	13.4	-.50
		15.2	-.03	-.19	-.25	-.28	-.32	18.6	-.45
		30.3	-.07	-.17	-.20	-.23	-.25	33.0	-.25
		45.3	-.10	-.15	-.16	-.17	-.17	47.9	-.21
		60.3	-.10	-.13	-.13	-.12	-.13	62.5	-.14
		80.3	-.05	-.05	-.05	-.05	-.06	82.0	-.06
		90.3	-.03	-.01	.01	.01	.01	---	---
	Lower	2.6	---	.08	.06	.06	.08	6.3	.10
		7.7	-.01	-.06	-.05	-.03	-.02	10.9	.03
		20.2	0	-.09	-.09	-.11	-.09	83.3	---
		35.2	-.03	-.10	-.10	-.09	-.09	37.9	-.06
		50.2	-.06	-.10	-.09	-.08	-.07	52.6	-.05
		65.2	---	-.09	-.07	-.05	-.05	67.3	-.03
		85.2	-.03	-.03	-.02	-.01	0	82.5	---

NACA

TABLE XVIII.- CONTINUED

(b) α_u, 3, 4, 6, 8, 10, 12

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
3	Upper	0	---	0.11	0.02	-0.04	-0.15	0	0.11
		1.5	---	-.18	-.32	-.46	-.61	5.0	-.95
		5.2	-0.04	-.24	-.35	-.44	-.55	8.8	-.81
		10.3	-.04	-.23	-.33	-.39	-.49	13.4	-.75
		15.2	-.04	-.23	-.30	-.34	-.43	18.6	-.71
		30.3	-.09	-.19	-.24	-.25	-.28	33.0	-.36
		45.3	-.13	-.17	-.19	-.20	-.21	47.9	-.26
		60.3	-.13	-.14	-.14	-.14	-.16	62.5	-.18
		80.3	-.06	-.06	-.06	-.06	-.06	82.0	-.07
		90.3	-.04	0	0	0	-.01	---	---
	Lower	2.6	---	.11	.10	.11	.12	6.3	.14
		7.7	0	.02	0	.02	.04	10.9	.09
		20.2	.02	-.06	-.02	-.09	-.04	23.3	---
		35.2	-.02	-.08	-.07	-.06	-.06	37.9	-.02
		50.2	-.04	-.08	-.06	-.05	-.06	52.6	-.02
		65.2	---	-.07	-.05	-.04	-.03	67.3	-.02
		85.2	-.02	-.03	-.01	0	.01	82.5	---
4	Upper	0	---	.05	-.07	-.18	-.38	0	-.69
		1.5	---	-.27	-.45	-.61	-.86	5.0	-1.26
		5.2	-.03	-.30	-.43	-.55	-.71	8.8	-1.20
		10.3	-.05	-.27	-.37	-.47	-.62	13.4	-1.07
		15.2	-.05	-.26	-.34	-.39	-.47	18.6	-.62
		30.3	-.10	-.21	-.26	-.30	-.34	33.0	-.43
		45.3	-.13	-.18	-.20	-.22	-.26	47.9	-.32
		60.3	-.12	-.14	-.15	-.15	-.18	62.5	-.22
		80.3	-.06	-.07	-.07	-.07	-.09	82.0	-.09
		90.3	-.05	-.01	-.01	-.01	-.01	---	---
	Lower	2.6	---	.14	.13	.14	.13	6.3	.12
		7.7	-.03	.04	.03	.06	.07	10.9	.11
		20.2	-.02	-.04	-.03	-.07	-.01	23.3	---
		35.2	-.01	-.07	-.05	-.05	-.03	37.9	0
		50.2	-.03	-.07	-.05	-.04	-.04	52.6	-.01
		65.2	---	-.06	-.05	-.03	-.02	67.3	-.01
		85.2	-.02	-.02	-.01	0	.02	82.5	---
6	Upper	0	---	-.11	-.36	-.58	-1.00	0	-1.85
		1.5	---	-.47	-.76	-1.00	-1.46	5.0	-2.22
		5.2	-.04	-.45	-.62	-.82	-1.17	8.8	-2.12
		10.3	-.06	-.35	-.51	-.62	-.82	13.4	-1.21
		15.2	-.07	-.32	-.44	-.52	-.66	18.6	-.97
		30.3	-.12	-.25	-.32	-.37	-.44	33.0	-.61
		45.3	-.15	-.21	-.24	-.27	-.31	47.9	-.44
		60.3	-.14	-.16	-.18	-.18	-.22	62.5	-.30
		80.3	-.07	-.08	-.08	-.09	-.11	82.0	-.15
		90.3	-.05	-.02	-.01	-.01	-.03	---	---
	Lower	2.6	---	.19	.15	.14	.09	6.3	-.06
		7.7	.02	.10	.09	.11	.12	10.9	.12
		20.2	.05	.01	.02	-.01	.06	23.3	---
		35.2	.02	-.03	-.02	0	.02	37.9	.06
		50.2	-.01	-.04	-.02	-.01	0	52.6	.03
		65.2	---	-.04	-.02	-.01	0	67.3	.02
		85.2	-.01	-.01	-.01	-.01	.02	82.5	---

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
8	Upper	0	---	-0.31	-0.74	-1.11	-1.84	0	-3.25
		1.5	---	-.68	-1.12	-1.44	-2.18	5.0	-3.25
		5.2	-0.05	-.53	-.79	-1.00	-1.32	8.8	-2.90
		10.3	-.06	-.42	-.62	-1.10	-1.07	13.4	-1.92
		15.2	-.08	-.37	-.52	-.64	-.83	18.6	-1.35
		30.3	-.13	-.27	-.36	-.39	-.53	33.0	-.83
		45.3	-.16	-.23	-.27	-.31	-.38	47.9	-.48
		60.3	-.14	-.17	-.19	-.21	-.27	62.5	-.35
		80.3	-.07	-.08	-.09	-.10	-.13	82.0	-.20
		90.3	-.04	-.02	-.02	-.02	-.05	---	---
	Lower	2.6	---	.22	.13	-.08	-.05	6.3	-.36
		7.7	.05	.15	.14	.15	.14	10.9	.07
		20.2	.08	.06	.08	.05	.10	23.3	---
		35.2	.07	.01	.03	.05	.07	37.9	.11
		50.2	.03	-.01	.01	.03	.04	52.6	.07
		65.2	---	-.02	.01	.02	.03	67.3	.03
		85.2	.01	0	.01	.03	.03	82.5	---
10	Upper	0	---	-.59	-1.18	-1.83	-2.96	0	-2.85
		1.5	---	-.94	-1.56	-2.01	-3.11	5.0	-2.74
		5.2	-.05	-.66	-1.00	-1.33	-1.81	8.8	-2.47
		10.3	-.07	-.51	-.76	-.98	-1.36	13.4	-2.05
		15.2	-.08	-.43	-.62	-.77	-1.02	18.6	-1.65
		30.3	-.14	-.31	-.41	-.51	-.65	33.0	-1.52
		45.3	-.13	-.25	-.30	-.36	-.49	47.9	-1.13
		60.3	-.15	-.19	-.21	-.24	-.34	62.5	-.88
		80.3	-.06	-.09	-.13	-.11	-.17	82.0	-.64
		90.3	-.04	-.01	-.03	-.02	-.07	---	---
	Lower	2.6	---	.23	.07	-.06	-.30	6.3	-.48
		7.7	.07	.19	.18	.17	.10	10.9	.06
		20.2	.11	.11	.13	.10	.15	23.3	---
		35.2	.10	.06	.07	.09	.11	37.9	.10
		50.2	.07	.03	.06	.07	.08	52.6	.08
		65.2	---	.02	.03	.06	.06	67.3	.02
		85.2	.03	.03	.03	.04	.04	82.5	---
12	Upper	0	---	-.91	-1.80	-2.65	-4.23	0	-1.06
		1.5	---	-1.21	-2.05	-2.68	-4.13	5.0	-.98
		5.2	-.07	-.78	-1.24	-1.66	-2.28	8.8	-.95
		10.3	-.08	-.58	-.91	-1.27	-1.61	13.4	-.92
		15.2	-.09	-.49	-.73	-.92	-1.19	18.6	-.90
		30.3	-.16	-.35	-.47	-.59	-.87	33.0	-.84
		45.3	-.19	-.29	-.35	-.44	-.66	47.9	-.80
		60.3	-.15	-.21	-.25	-.30	-.43	62.5	-.76
		80.3	-.08	-.09	-.13	-.15	-.29	82.0	-.69
		90.3	-.05	-.01	-.04	-.10	-.19	---	---
	Lower	2.6	---	.20	-.04	-.26	-.61	6.3	-.23
		7.7	.10	.23	.18	.14	.03	10.9	.07
		20.2	.14	.15	.16	.13	.17	23.3	---
		35.2	.13	.10	.11	.12	.15	37.9	.11
		50.2	.10	.06	.07	.10	.11	52.6	.06
		65.2	---	.04	.06	.07	.07	67.3	-.02
		85.2	.05	.03	.03	.03	.01	82.5	---

TABLE XVIII.- CONCLUDED

(c) α_u, 14, 16, 18, 20, 22, 24

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
14	Upper	0	---	-1.32	-2.54	-3.73	-5.69	0	-0.97
		1.5	---	-1.54	-2.66	-3.56	-5.24	5.0	-.95
		5.2	-0.08	-.97	-1.53	-2.06	-2.61	8.8	-.93
		10.3	-.10	-.69	-1.09	-1.41	-1.69	13.4	-.91
		15.2	-.12	-.57	-.88	-1.09	-1.42	18.6	-.89
		30.3	-.19	-.41	-.57	-.77	-1.40	33.0	-.83
		45.3	-.21	-.35	-.44	-.57	-1.11	47.9	-.77
		60.3	-.17	-.23	-.32	-.38	-.89	62.5	-.74
		80.3	-.08	-.10	-.18	-.26	-.57	82.0	-.68
		90.3	-.06	-.03	-.08	-.14	-.42	---	---
	Lower	2.6	---	.15	-.22	-.54	-.99	6.3	-.32
		7.7	.12	.26	.17	.09	-.02	10.9	.02
		20.2	.17	.18	.19	.17	.22	23.3	---
		35.2	.16	.14	.14	.16	.18	37.9	.11
		50.2	.13	.09	.10	.14	.12	52.6	-.05
		65.2	---	.07	.08	.09	.06	67.3	-.04
		85.2	.06	.05	.05	.04	-.02	82.5	---
16	Upper	0	---	-1.79	-3.39	-4.92	-3.79	0	-.92
		1.5	---	-1.91	-3.33	-4.36	-2.23	5.0	-.92
		5.2	-.10	-1.13	-1.83	-2.39	-1.80	8.8	-.91
		10.3	-.13	-.78	-1.25	-1.52	-1.58	13.4	-.90
		15.2	-.14	-.64	-.96	-1.19	-1.46	18.6	-.88
		30.3	-.22	-.52	-.74	-1.23	-1.18	33.0	-.82
		45.3	-.23	-.37	-.54	-.59	-1.11	47.9	-.78
		60.3	-.18	-.24	-.38	-.56	-1.02	62.5	-.74
		80.3	-.11	-.16	-.28	-.44	-.85	82.0	-.69
		90.3	-.08	-.06	-.15	-.28	-.71	---	---
	Lower	2.6	---	.08	-.44	-.89	-.70	6.3	-.39
		7.7	.15	.27	.14	.02	.09	10.9	-.02
		20.2	.19	.23	.23	.19	.23	23.3	---
		35.2	.19	.17	.17	.20	.18	37.9	.09
		50.2	.17	.13	.13	.15	.11	52.6	.03
		65.2	---	.09	.10	.09	.06	67.3	-.06
		85.2	.09	.06	.05	.01	-.08	82.5	---
18	Upper	0	---	-2.11	-4.03	-5.68	-1.03	0	-.78
		1.5	---	-2.11	-4.01	-4.11	-.99	5.0	-.79
		5.2	-.06	-1.17	-1.93	-2.27	-.97	8.8	-.78
		10.3	-.08	-.76	-1.23	-1.38	-.97	13.4	-.77
		15.2	-.10	-.63	-.96	-1.36	-.96	18.6	-.76
		30.3	-.18	-.52	-.94	-1.98	-.92	33.0	-.72
		45.3	-.18	-.27	-.38	-.91	-.88	47.9	-.69
		60.3	-.13	-.21	-.35	-.89	-.85	62.5	-.66
		80.3	-.09	-.17	-.34	-.37	-.80	82.0	-.63
		90.3	-.07	-.07	-.20	-.42	-.74	---	---
	Lower	2.6	---	.01	-.61	-1.10	-.36	6.3	-.36
		7.7	.20	.30	.12	0	.11	10.9	-.02
		20.2	.21	.30	.28	.25	.25	23.3	---
		35.2	.21	.24	.24	.25	.21	37.9	.11
		50.2	.22	.18	.20	.19	.14	52.6	.05
		65.2	---	.15	.14	.12	.08	67.3	-.03
		85.2	.13	.09	.08	.03	-.07	82.5	---

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
20	Upper	0	---	-2.96	-5.16	-6.90	-1.12	0	-0.89
		1.5	---	-2.63	-4.79	-4.14	-1.12	5.0	-.88
		5.2	-0.52	-1.40	-2.25	-2.04	-1.13	8.8	-.86
		10.3	-.54	-.91	-1.39	-1.79	-1.14	13.4	-.86
		15.2	-.57	-.81	-1.30	-1.78	-1.12	18.6	-.83
		30.3	-.65	-.63	-1.60	-1.79	-1.06	33.0	-.79
		45.3	-.63	-.33	-.35	-1.23	-1.03	47.9	-.74
		60.3	-.59	-.32	-.53	-1.06	-1.00	62.5	-.72
		80.3	-.16	-.26	-.43	-.76	-.92	82.0	-.69
		90.3	-.13	-.14	-.25	-.57	-.86	---	---
	Lower	2.6	---	-.51	-.97	-1.49	-.51	6.3	-.51
		7.7	.21	.28	.05	-.08	.03	10.9	-.11
		20.2	.26	.30	.28	.27	.21	23.3	---
		35.2	.27	.25	.25	.25	.20	37.9	.09
		50.2	.24	.21	.20	.20	.14	52.6	.04
		65.2	---	.15	.14	.13	.06	67.3	-.04
		85.2	.13	.09	.05	.01	-.11	82.5	---
22	Upper	0	---	-3.31	-6.17	-7.32	-1.27	0	-.90
		1.5	---	-3.07	-5.62	-3.45	-1.27	5.0	-.88
		5.2	-.12	-1.52	-2.29	-2.55	-1.27	8.8	-.86
		10.3	-.17	-.98	-1.61	-2.60	-1.27	13.4	-.85
		15.2	-.19	-.94	-1.71	-2.49	-1.25	18.6	-.83
		30.3	-.25	-.50	-1.93	-1.67	-1.18	33.0	-.78
		45.3	-.23	-.37	-.43	-1.45	-1.14	47.9	-.73
		60.3	-.20	-.37	-.69	-1.18	-1.10	62.5	-.69
		80.3	-.18	-.29	-.44	-.84	-.99	82.0	-.63
		90.3	-.14	-.14	-.25	-.62	-.90	---	---
	Lower	2.6	---	-.23	-1.29	-1.66	-.67	6.3	-.58
		7.7	.25	.28	-.01	-.07	-.04	10.9	-.14
		20.2	.31	.35	.31	.29	.22	23.3	---
		35.2	.32	.30	.30	.28	.22	37.9	.11
		50.2	.29	.26	.24	.23	.17	52.6	.06
		65.2	---	.19	.18	.15	.10	67.3	-.02
		85.2	.16	.11	.08	.03	-.09	82.5	---
24	Upper	0	---	-3.96	-7.25	-4.13	-1.36	0	-.89
		1.5	---	-3.50	-6.07	-2.69	-1.36	5.0	-.86
		5.2	-.15	-1.65	-2.22	-2.39	-1.35	8.8	-.84
		10.3	-.21	-1.12	-1.97	-2.11	-1.35	13.4	-.84
		15.2	-.25	-1.14	-2.24	-2.08	-1.31	18.6	-.81
		30.3	-.29	-.40	-2.40	-1.77	-1.29	33.0	-.76
		45.3	-.27	-.44	-.85	-1.56	-1.20	47.9	-.72
		60.3	-.23	-.45	-.84	-1.31	-1.14	62.5	-.68
		80.3	-.21	-.34	-.49	-.96	-1.04	82.0	-.63
		90.3	-.15	-.17	-.29	-.74	-.94	---	---
	Lower	2.6	---	-.59	-1.64	-1.29	-.80	6.3	-.61
		7.7	.28	.27	-.09	-.02	-.10	10.9	-.17
		20.2	.35	.38	.34	.29	.22	23.3	---
		35.2	.36	.35	.34	.31	.24	37.9	.13
		50.2	.33	.29	.27	.25	.19	52.6	.08
		65.2	---	.23	.21	.17	.11	67.3	0
		85.2	.19	.14	.10	.03	-.09	82.5	---

TABLE XIX.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0008-63 SECTION. M, 0.24; R, 3.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P 0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	%c for 0.90b/2	P 0.90b/2
-3	Upper	0	----	0.13	0.06	-0.01	-0.09	0	-0.39
		1.5	----	.14	.12	-.10	.13	5.0	.13
		5.2	0	.03	.02	.02	.05	8.8	.10
		10.3	0	-.01	-.05	-.04	-.01	13.4	.05
		15.2	.01	-.06	-.07	-.07	-.03	18.6	.02
		30.3	-.01	-.09	-.09	-.09	-.07	33.0	-.02
		45.3	-.05	-.09	-.09	-.09	-.07	47.9	-.03
		60.3	-.07	-.08	-.08	-.07	-.05	62.5	-.03
		80.3	-.04	-.04	-.03	-.02	.01	82.0	.01
		90.3	-.02	0	.02	.03	.02	----	----
	Lower	2.6	----	-.20	-.35	-.44	-.59	6.3	-.83
		7.7	-.03	-.23	-.32	-.38	-.47	10.9	-.81
		20.2	-.05	-.21	-.27	-.32	-.36	23.3	----
		35.2	-.10	-.19	-.21	-.23	-.27	37.9	-.34
		50.2	-.12	-.16	-.17	-.17	-.20	52.6	-.24
		65.2	----	-.13	-.12	-.12	-.13	67.3	-.16
		85.2	-.06	-.06	-.04	-.04	-.03	82.5	----
	c_n	----	-.055	-.095	-.119	-.142	-.190	----	-.340
-2	Upper	0	----	.17	.11	.08	.05	0	-.09
		1.5	----	.11	.10	.06	.10	5.0	.11
		5.2	-.01	-.01	-.03	-.03	0	8.8	.04
		10.3	-.01	-.06	-.09	-.09	-.07	13.4	-.02
		15.2	0	-.09	-.11	-.10	-.09	18.6	-.05
		30.3	-.02	-.10	-.11	-.11	-.10	33.0	-.06
		45.3	-.07	-.11	-.11	-.11	-.09	47.9	-.07
		60.3	-.07	-.09	-.09	-.08	-.07	62.5	-.05
		80.3	-.04	-.05	-.04	-.02	-.02	82.0	0
		90.3	-.01	0	.02	.03	.02	----	----
	Lower	2.6	----	-.13	-.24	-.31	-.39	6.3	-.60
		7.7	-.03	-.19	-.27	-.30	-.36	10.9	-.48
		20.2	-.04	-.19	-.23	-.27	-.31	23.3	----
		35.2	-.09	-.17	-.19	-.21	-.26	37.9	-.28
		50.2	-.11	-.15	-.16	-.15	-.16	52.6	-.20
		65.2	----	-.12	-.11	-.11	-.11	67.3	-.14
		85.2	.06	-.05	-.04	-.03	-.02	82.5	----
	c_n	----	-.036	-.065	-.078	-.097	-.128	----	-.213
-1	Upper	0	----	.18	.14	.14	.12	0	.13
		1.5	----	.07	.04	0	.03	5.0	.02
		5.2	-.01	-.05	-.08	-.09	-.09	8.8	-.07
		10.3	-.02	-.09	-.13	-.14	-.13	13.4	-.11
		15.2	-.01	-.11	-.14	-.14	-.14	18.6	-.13
		30.3	-.03	-.12	-.14	-.14	-.13	33.0	-.11
		45.3	-.08	-.12	-.12	-.12	-.11	47.9	-.10
		60.3	-.09	-.10	-.11	-.09	-.09	62.5	-.07
		80.3	-.04	-.05	-.04	-.03	-.03	82.0	-.01
		90.3	-.03	0	.01	.03	.02	----	----
	Lower	2.6	----	-.08	-.15	-.19	-.24	6.3	-.34
		7.7	-.02	-.14	-.20	-.22	-.26	10.9	-.31
		20.2	-.03	-.16	-.20	-.23	-.25	23.3	----
		35.2	-.08	-.16	-.18	-.19	-.20	37.9	-.21
		50.2	-.18	-.14	-.14	-.14	-.16	52.6	-.17
		65.2	----	-.11	-.10	-.10	-.09	67.3	-.12
		85.2	-.05	-.05	-.03	-.03	-.01	82.5	----
	c_n	----	-.016	-.029	-.034	-.047	-.063	----	-.120

α_u	Surface	%c	P 0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	%c for 0.90b/2	P 0.90b/2
0	Upper	0	----	0.21	0.18	0.18	0.17	0	0.20
		1.5	----	.05	.02	-.05	-.03	5.0	-.08
		5.2	0.01	-.06	-.10	-.13	-.14	8.8	-.17
		10.3	0	-.10	-.14	-.16	-.17	13.4	-.19
		15.2	.01	-.11	-.15	-.16	-.17	18.6	-.19
		30.3	-.02	-.11	-.14	-.15	-.14	33.0	-.14
		45.3	-.06	-.10	-.11	-.12	-.12	47.9	-.11
		60.3	-.06	-.08	-.08	-.08	-.08	62.5	-.07
		80.3	-.05	-.06	-.05	-.03	-.03	82.0	-.04
		90.3	-.04	0	.02	.02	.02	----	----
	Lower	2.6	----	0	-.06	-.07	-.08	6.3	-.12
		7.7	-.02	-.10	-.15	-.16	-.17	10.9	-.18
		20.2	-.02	-.10	-.17	-.19	-.19	23.3	----
		35.2	-.06	-.10	-.15	-.16	-.17	37.9	-.17
		50.2	-.08	-.12	-.12	-.12	-.13	52.6	-.12
		65.2	----	-.10	-.09	-.08	-.09	67.3	-.09
		85.2	-.04	-.04	-.03	-.02	0	82.5	----
	c_n	----	0	0	0	0	0	----	0
1	Upper	0	----	.18	.14	.13	.11	0	.15
		1.5	----	-.03	-.09	-.17	-.19	5.0	-.32
		5.2	-.02	-.13	-.19	-.23	-.27	8.8	-.37
		10.3	-.02	-.15	-.21	-.25	-.28	13.4	-.36
		15.2	-.02	-.16	-.21	-.23	-.26	18.6	-.32
		30.3	-.05	-.15	-.18	-.19	-.21	33.0	-.23
		45.3	-.10	-.14	-.15	-.16	-.17	47.9	-.18
		60.3	-.10	-.12	-.12	-.10	-.11	62.5	-.12
		80.3	-.06	-.06	-.06	-.04	-.04	82.0	-.04
		90.3	-.04	0	.01	.02	.02	----	----
	Lower	2.6	----	.04	0	0	.01	6.3	.01
		7.7	-.01	-.06	-.10	-.09	-.09	10.9	-.06
		20.2	0	-.11	-.13	-.15	-.14	23.3	----
		35.2	-.05	-.12	-.13	-.13	-.13	37.9	-.18
		50.2	-.08	-.11	-.11	-.10	-.10	52.6	-.09
		65.2	----	-.09	-.08	-.08	-.07	67.3	-.06
		85.2	-.04	-.04	-.02	-.01	0	82.5	----
	c_n	----	.055	.028	.042	.048	.067	----	.118
2	Upper	0	----	.15	.09	.06	.01	0	0
		1.5	----	-.11	-.20	-.31	-.39	5.0	-.63
		5.2	-.03	-.18	-.28	-.34	-.41	8.8	-.59
		10.3	-.04	-.20	-.28	-.33	-.39	13.4	-.52
		15.2	-.04	-.20	-.26	-.31	-.34	18.6	-.48
		30.3	-.08	-.18	-.22	-.24	-.26	33.0	-.27
		45.3	-.11	-.16	-.17	-.17	-.18	47.9	-.22
		60.3	-.11	-.13	-.13	-.13	-.14	62.5	-.15
		80.3	-.06	-.06	-.06	-.05	-.05	82.0	-.06
		90.3	-.04	0	.01	.02	.01	----	----
	Lower	2.6	----	.08	.05	.06	.08	6.3	.10
		7.7	0	-.02	-.05	-.03	-.02	10.9	.03
		20.2	.01	-.08	-.10	-.11	-.08	23.3	----
		35.2	-.04	-.10	-.10	-.10	-.09	37.9	-.06
		50.2	-.06	-.10	-.09	-.08	-.08	52.6	-.06
		65.2	----	-.08	-.07	-.06	-.05	67.3	-.03
		85.2	-.03	-.01	-.02	-.01	0	82.5	----
	c_n	----	.036	.070	.095	.112	.138	----	.234

NACA

TABLE XIX.- CONTINUED

(b) α_u, 3, 4, 6, 8, 10, 12

α_u	Surface	x/c	P 0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	x_c/c for 0.90b/2	P 0.90b/2
3	Upper	0	----	0.11	0.01	-0.05	-0.17	0	-0.32
		1.5	----	-.20	-.33	-.48	-.65	5.0	-1.00
		5.2	-0.04	-.25	-.36	-.45	-.58	8.8	-.85
		10.3	-.05	-.23	-.34	-.41	-.51	13.4	-.81
		15.2	-.06	-.24	-.32	-.36	-.45	18.6	-.74
		30.3	-.10	-.23	-.25	-.26	-.30	33.0	-.38
		45.3	-.13	-.18	-.20	-.21	-.23	47.9	-.29
		60.3	-.13	-.15	-.15	-.15	-.17	62.5	-.20
		80.3	-.07	-.08	-.07	-.06	-.07	82.0	-.08
		90.3	-.04	-.01	0	.01	-.01	----	----
	Lower	2.6	----	.11	.09	.11	.12	6.3	.13
		7.7	.01	.01	0	.02	.04	10.9	.10
		20.2	.01	-.06	-.06	-.10	-.04	23.3	----
		35.2	-.02	-.08	-.08	-.08	-.06	37.9	-.02
		50.2	-.05	-.08	-.08	-.06	-.06	52.6	-.02
		65.2	----	-.08	-.06	-.05	-.04	67.3	-.02
		85.2	-.03	-.03	-.01	-.01	-.01	82.5	----
	c_n	----	.055	.108	.135	.161	.224	----	.360
4	Upper	0	----	.05	-.08	-.17	0	0	-.67
		1.5	----	-.28	-.44	-.55	-.86	5.0	-1.25
		5.2	-.04	-.30	-.44	-.56	-.72	8.8	-1.22
		10.3	-.06	-.32	-.39	-.49	-.64	13.4	-1.07
		15.2	-.06	-.27	-.35	-.41	-.50	18.6	-.62
		30.3	-.10	-.22	-.27	-.30	-.34	33.0	-.44
		45.3	-.14	-.19	-.21	-.23	-.26	47.9	-.34
		60.3	-.13	-.15	-.16	-.16	-.19	62.5	-.23
		80.3	-.08	-.08	-.07	-.07	-.08	82.0	-.10
		90.3	-.04	-.02	0	0	-.01	----	----
	Lower	2.6	----	.14	.12	.13	.13	6.3	.11
		7.7	.01	.04	.02	.06	.06	10.9	.13
		20.2	.03	-.04	-.04	-.08	-.01	23.3	----
		35.2	-.01	-.06	-.06	-.05	-.03	37.9	.01
		50.2	-.03	-.07	-.06	-.05	-.04	52.6	-.01
		65.2	----	-.06	-.05	-.04	-.02	67.3	-.01
		85.2	-.02	-.02	-.01	0	.01	82.5	----
	c_n	----	.076	.136	.174	.207	.281	----	.439
6	Upper	0	----	-.11	-.37	-.59	-1.04	0	-1.89
		1.5	----	-.48	-.77	-1.03	-1.50	5.0	-2.24
		5.2	-.05	-.42	-.64	-.85	-1.22	8.8	-2.20
		10.3	-.06	-.36	-.52	-.65	-.84	13.4	-1.37
		15.2	-.07	-.33	-.45	-.54	-.68	18.6	-1.01
		30.3	-.12	-.25	-.32	-.38	-.45	33.0	-.62
		45.3	-.16	-.21	-.25	-.28	-.33	47.9	-.43
		60.3	-.14	-.17	-.19	-.19	-.23	62.5	-.29
		80.3	-.08	-.08	-.08	-.08	-.10	82.0	-.15
		90.3	-.04	-.02	-.01	0	-.03	----	----
	Lower	2.6	----	.19	.15	.13	.09	6.3	-.06
		7.7	.03	.11	.11	.12	.14	10.9	.13
		20.2	.05	.02	.02	-.01	.06	23.3	----
		35.2	.03	-.02	-.02	0	.02	37.9	.07
		50.2	0	-.04	-.02	0	.01	52.6	.05
		65.2	----	-.04	-.02	-.01	.01	67.3	.02
		85.2	-.01	-.01	.01	.02	.03	82.5	----
	c_n	----	.112	.201	.263	.320	.428	----	.663
8	Upper	0	----	-0.32	-0.75	-1.14	-1.90	0	-2.75
		1.5	----	-.71	-1.15	-1.49	-2.24	5.0	-2.56
		5.2	-0.06	-.55	-.83	-1.03	-1.36	8.8	-2.57
		10.3	-.07	-.44	-.65	-.83	-1.10	13.4	-2.35
		15.2	-.08	-.39	-.55	-.68	-.86	18.6	-2.17
		30.3	-.14	-.29	-.38	-.51	-.56	33.0	-1.40
		45.3	-.18	-.24	-.28	-.33	-.41	47.9	-.73
		60.3	-.16	-.19	-.21	-.23	-.29	62.5	-.47
		80.3	-.08	-.10	-.09	-.10	-.14	82.0	-.30
		90.3	-.04	-.02	-.01	-.02	-.06	----	----
	Lower	2.6	----	.22	.13	.07	-.05	6.3	-.28
		7.7	.05	.15	.15	.15	.14	10.9	.11
		20.2	.08	.06	.07	.05	.11	23.3	----
		35.2	.06	.02	.03	.04	.07	37.9	.11
		50.2	.03	0	.01	.02	.04	52.6	.07
		65.2	----	-.01	0	.02	.03	67.3	.03
		85.2	.01	0	.02	.02	.03	82.5	----
	c_n	----	.147	.267	.343	.423	.592	----	1.05
10	Upper	0	----	-.60	-1.26	-1.87	-3.03	0	-1.98
		1.5	----	-.97	-1.60	-2.10	-3.21	5.0	-1.91
		5.2	-.07	-.59	-1.04	-1.37	-1.85	8.8	-1.74
		10.3	-.08	-.53	-.80	-1.03	-1.40	13.4	-1.53
		15.2	-.10	-.45	-.56	-.81	-1.07	18.6	-1.43
		30.3	-.16	-.33	-.43	-.53	-.70	33.0	-1.30
		45.3	-.19	-.27	-.32	-.38	-.52	47.9	-1.11
		60.3	-.16	-.21	-.23	-.27	-.35	62.5	-.93
		80.3	-.08	-.11	-.12	-.13	-.18	82.0	-.72
		90.3	-.04	-.02	-.02	-.04	-.09	----	----
	Lower	2.6	----	.22	.06	-.07	-.29	6.3	-.34
		7.7	.08	.20	.17	-.16	11	10.9	.09
		20.2	.11	.11	.12	.09	.15	23.3	----
		35.2	.09	.06	.07	.09	.11	37.9	.13
		50.2	.06	.03	.04	.06	.08	52.6	.07
		65.2	----	.02	.03	.04	.06	67.3	.01
		85.2	.03	.02	.03	.03	.03	82.5	----
	c_n	----	.180	.328	.427	.526	.722	----	1.081
12	Upper	0	----	-.90	-1.80	-2.65	-4.17	0	-1.06
		1.5	----	-1.22	-2.06	-2.73	-4.11	5.0	-1.01
		5.2	-.07	-.99	-1.86	-1.67	-2.27	8.8	-.99
		10.3	-.08	-.60	-.93	-1.20	-1.63	13.4	-.98
		15.2	-.10	-.49	-.74	-.94	-1.28	18.6	-.95
		30.3	-.16	-.35	-.48	-.62	-.93	33.0	-.88
		45.3	-.19	-.29	-.35	-.45	-.80	47.9	-.83
		60.3	-.16	-.22	-.26	-.31	-.58	62.5	-.78
		80.3	-.08	-.11	-.13	-.15	-.32	82.0	-.69
		90.3	-.05	-.02	-.04	-.06	-.19	----	----
	Lower	2.6	----	.21	-.04	-.24	-.57	6.3	-.24
		7.7	-.10	.23	.18	.14	.05	10.9	.09
		20.2	.14	.15	.15	.13	.18	23.3	----
		35.2	.13	.10	.10	.12	.15	37.9	.13
		50.2	.11	.06	.07	.09	.10	52.6	.07
		65.2	----	.04	.05	.06	.06	67.3	-.01
		85.2	.05	.03	.04	.04	.01	82.5	----
	c_n	----	.210	.397	.509	.617	.914	----	.797

TABLE XIX.- CONCLUDED

(c) α_u, 14, 16, 18, 20, 22, 24

α_u	Surface	%c	P 0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	%c for 0.90b/2	P 0.90b/2
14	Upper	0	----	-1.30	-2.53	-3.70	-3.87	0	-0.79
		1.5	----	-1.55	-2.65	-3.62	-2.70	3.0	-.78
		3.2	-0.08	-.95	-1.53	-2.04	-2.24	8.8	-.76
		10.3	-.10	-.69	-1.09	-1.40	-1.84	13.4	-.75
		15.2	-.11	-.56	-.85	-1.08	-1.61	18.6	-.74
		30.3	-.18	-.41	-.56	-.81	-1.28	33.0	-.71
		45.3	-.21	-.34	-.44	-.58	-1.05	47.9	-.68
		60.3	-.17	-.23	-.32	-.37	-.86	62.5	-.63
		80.3	-.09	-.11	-.18	-.24	-.65	82.0	-.61
		90.3	-.06	-.04	-.08	-.15	-.52	----	----
	Lower	2.6	----	.17	-.20	-.51	-.73	6.3	-.24
		7.7	.14	.27	.18	.11	.05	10.9	.06
		20.2	.17	.20	.20	.17	.21	23.3	----
		35.2	.17	.14	.15	.17	.18	37.9	.11
		50.2	.14	.11	.11	.13	.12	52.6	.05
		65.2	----	.08	.08	.09	.06	67.3	-.04
		85.2	.07	.05	.05	.04	-.03	82.5	----
	c_n	----	.257	.472	.645	.752	1.172	----	.636
16	Upper	0	----	-1.73	-3.33	-4.83	-1.64	0	-.83
		1.5	----	-1.88	-3.30	-4.48	-1.49	3.0	-.82
		3.2	-.09	-1.11	-1.80	-2.32	-1.38	8.8	-.80
		10.3	-.11	-.76	-1.23	-1.49	-1.32	13.4	-.78
		15.2	-.13	-.63	-.94	-1.26	-1.30	18.6	-.76
		30.3	-.20	-.50	-.74	-1.31	-1.24	33.0	-.72
		45.3	-.22	-.35	-.52	-.71	-1.11	47.9	-.67
		60.3	-.17	-.24	-.37	-.56	-1.00	62.5	-.63
		80.3	-.10	-.15	-.25	-.37	-.74	82.0	-.60
		90.3	-.07	-.06	-.13	-.22	-.71	----	----
	Lower	2.6	----	.10	-.39	-.81	-.44	6.3	-.33
		7.7	.16	.29	.16	.05	.11	10.9	.02
		20.2	.19	.24	.23	.21	.23	23.3	----
		35.2	.19	.19	.19	.21	.19	37.9	.11
		50.2	.17	.14	.15	.16	.13	52.6	.05
		65.2	----	.11	.11	.10	.07	67.3	-.04
		85.2	.09	.13	.06	.03	.03	82.5	----
	c_n	----	.291	.555	.688	.967	1.134	----	.629
18	Upper	0	----	-2.20	-4.19	-5.85	-1.17	0	-.81
		1.5	----	-2.20	-4.02	-4.88	-1.34	3.0	-.79
		3.2	-.08	-1.23	-2.02	-2.22	-1.18	8.8	-.78
		10.3	-.10	-.82	-1.29	-1.72	-1.18	13.4	-.77
		15.2	-.12	-.68	-1.03	-1.38	-1.18	18.6	-.75
		30.3	-.21	-.57	-1.07	-1.69	-1.11	33.0	-.70
		45.3	-.22	-.31	-.42	-1.22	-1.08	47.9	-.66
		60.3	-.16	-.26	-.43	-.90	-1.01	62.5	-.62
		80.3	-.12	-.20	-.31	-.52	-.89	82.0	-.58
		90.3	-.09	-.09	-.17	-.34	-.80	----	----
	Lower	2.6	----	.03	-.62	-1.07	-.44	6.3	-.39
		7.7	.20	.30	.13	.03	.07	10.9	-.02
		20.2	.25	.29	.37	.26	.23	23.3	----
		35.2	.25	.24	.24	.24	.20	37.9	.12
		50.2	.22	.19	.19	.18	.15	52.6	.06
		65.2	----	.15	.14	.13	.07	67.3	-.02
		85.2	.12	.09	.07	.03	-.08	82.5	----
	c_n	----	.344	.623	.871	1.234	1.074	----	.610
20	Upper	0	----	-2.80	-5.26	-4.83	-1.25	0	-0.85
		1.5	----	-2.67	-4.96	-2.71	-1.24	3.0	-.83
		3.2	-0.12	-1.42	-2.22	-2.37	-1.24	8.8	-.81
		10.3	-.15	-.93	-1.44	-2.44	-1.24	13.4	-.80
		15.2	-.17	-.83	-1.42	-2.41	-1.22	18.6	-.78
		30.3	-.25	-.64	-1.75	-1.70	-1.16	33.0	-.74
		45.3	-.24	-.34	-2.30	-1.39	-1.12	47.9	-.69
		60.3	-.19	-.34	-.56	-1.10	-1.06	62.5	-.66
		80.3	-.16	-.26	-.37	-.73	-.95	82.0	-.60
		90.3	-.12	-.13	-.21	-.54	-.86	----	----
	Lower	2.6	----	-.09	-.92	-1.13	-.56	6.3	-.48
		7.7	.22	.29	.07	.03	.02	10.9	-.08
		20.2	.28	.33	.30	.28	.23	23.3	----
		35.2	.29	.28	.27	.26	.22	37.9	.12
		50.2	.25	.24	.22	.20	.16	52.6	.06
		65.2	----	.17	.16	.14	.09	67.3	-.02
		85.2	.23	.11	.08	.03	-.09	82.5	----
	c_n	----	.428	.782	1.079	1.476	1.114	----	.619
22	Upper	0	----	-3.39	-6.33	-2.52	-1.34	0	-.81
		1.5	----	-3.13	-5.89	-2.88	-1.33	3.0	-.79
		3.2	-.14	-1.55	-2.22	-2.15	-1.33	8.8	-.78
		10.3	-.18	-1.03	-1.78	-2.04	-1.33	13.4	-.76
		15.2	-.23	-.99	-1.94	-2.07	-1.31	18.6	-.75
		30.3	-.27	-.51	-2.09	-1.84	-1.23	33.0	-.71
		45.3	-.26	-.42	-.71	-1.56	-1.19	47.9	-.68
		60.3	-.21	-.42	-.66	-1.27	-1.14	62.5	-.64
		80.3	-.18	-.30	-.40	-.89	-1.02	82.0	-.58
		90.3	-.14	-.15	-.22	-.67	-.92	----	----
	Lower	2.6	----	-.21	-1.23	-.94	-.70	6.3	-.51
		7.7	.26	.29	.01	.04	-.04	10.9	-.11
		20.2	.32	.37	.33	.28	.24	23.3	----
		35.2	.33	.32	.30	.28	.24	37.9	.13
		50.2	.29	.26	.25	.23	.18	52.6	.08
		65.2	----	.19	.19	.16	.11	67.3	0
		85.2	.26	.13	.10	.03	-.09	82.5	----
	c_n	----	.492	.798	1.314	1.542	1.195	----	.613
24	Upper	0	----	-4.03	-7.32	-1.96	-1.34	0	-.77
		1.5	----	-3.62	-6.04	-1.90	-1.34	3.0	-.76
		3.2	-.17	-1.68	-2.87	-1.92	-1.34	8.8	-.75
		10.3	-.20	-1.18	-2.18	-1.90	-1.32	13.4	-.74
		15.2	-.25	-1.20	-2.19	-1.92	-1.29	18.6	-.73
		30.3	-.32	-.43	-2.05	-1.79	-1.21	33.0	-.69
		45.3	-.28	-.51	-2.13	-1.60	-1.17	47.9	-.66
		60.3	-.25	-.51	-.81	-1.36	-1.12	62.5	-.62
		80.3	-.20	-.34	-.50	-1.02	-1.00	82.0	-.57
		90.3	-.13	-.18	-.30	-.78	-.91	----	----
	Lower	2.6	----	-.35	-1.51	-.91	-.77	6.3	-.54
		7.7	.30	.28	-.02	.02	-.08	10.9	-.12
		20.2	.36	.41	.36	.29	.24	23.3	----
		35.2	.37	.36	.34	.31	.25	37.9	.14
		50.2	.34	.30	.28	.25	.20	52.6	.09
		65.2	----	.24	.21	.18	.12	67.3	.01
		85.2	.19	.15	.11	.04	-.09	82.5	----
	c_n	----	.519	.878	1.564	1.566	1.173	----	.595

NACA

TABLE XX.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0008-63 SECTION. M, 0.40; R, 3.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
-3	Upper	0	---	0.14	0.06	-0.01	-0.09	0	-0.38
		1.5	---	.14	.12	.10	.13	5.0	.13
		5.2	0	.03	.02	.02	.05	8.8	.10
		10.3	0	-.03	-.05	-.04	-.01	13.4	.05
		15.2	.01	-.06	-.08	-.07	-.04	18.6	.02
		30.3	-.01	-.09	-.10	-.09	-.07	33.0	-.02
		45.3	-.06	-.10	-.09	-.09	-.07	47.9	-.04
		60.3	-.07	-.09	-.08	-.07	-.06	62.5	-.03
		80.3	-.04	-.05	-.03	-.02	-.01	82.0	.01
		90.3	-.02	.01	.03	.03	.02	---	---
	Lower	2.6	---	-.20	-.35	-.45	-.60	6.3	-.85
		7.7	-.03	-.22	-.33	-.39	-.48	10.9	-.82
		20.2	-.05	-.21	-.27	-.33	-.37	23.3	---
		35.2	-.10	-.19	-.22	-.24	-.27	37.9	-.35
		50.2	-.12	-.17	-.18	-.18	-.20	52.6	-.24
		65.2	---	-.13	-.12	-.12	-.13	67.3	-.17
		85.2	-.11	-.06	-.04	-.04	-.03	82.5	---
	c_n	--	-.098	-.091	-.120	-.145	-.192	---	-.332
-2	Upper	0	---	.17	.11	.08	.05	0	-.06
		1.5	---	.11	.09	.05	.10	5.0	.10
		5.2	-.01	-.01	.03	-.14	-.01	8.8	.03
		10.3	-.01	-.06	-.09	-.09	-.08	13.4	-.03
		15.2	0	-.09	-.11	-.11	-.10	18.6	-.06
		30.3	-.02	-.11	-.12	-.12	-.11	33.0	-.07
		45.3	-.07	-.11	-.11	-.11	-.10	47.9	-.07
		60.3	-.08	-.10	-.10	-.08	-.08	62.5	-.05
		80.3	-.05	-.06	-.04	-.03	-.03	82.0	0
		90.3	-.03	0	.02	.03	.02	---	---
	Lower	2.6	---	-.13	-.24	-.09	-.38	6.3	-.59
		7.7	-.03	-.18	-.26	-.30	-.36	10.9	-.47
		20.2	-.04	-.19	-.24	-.28	-.30	23.3	---
		35.2	-.09	-.18	-.20	-.22	-.25	37.9	-.28
		50.2	-.11	-.15	-.16	-.16	-.17	52.6	-.20
		65.2	---	-.12	-.12	-.11	-.11	67.3	-.13
		85.2	-.06	-.06	-.04	-.03	-.02	82.5	---
	c_n	--	-.038	-.059	-.077	-.073	-.120	---	-.210
-1	Upper	0	---	.19	.14	.14	.13	0	.14
		1.5	---	.07	.04	0	.04	5.0	.02
		5.2	-.01	-.05	-.09	-.10	-.09	8.8	-.07
		10.3	-.02	-.10	-.13	-.14	-.14	13.4	-.12
		15.2	-.01	-.11	-.15	-.15	-.15	18.6	-.13
		30.3	-.03	-.12	-.14	-.15	-.14	33.0	-.12
		45.3	-.08	-.12	-.13	-.13	-.12	47.9	-.11
		60.3	-.09	-.11	-.11	-.10	-.09	62.5	-.07
		80.3	-.05	-.06	-.05	-.03	-.03	82.0	-.01
		90.3	-.03	-.01	-.02	.03	.03	---	---
	Lower	2.6	---	-.07	-.15	-.19	-.23	6.3	-.34
		7.7	-.02	-.14	-.20	-.22	-.26	10.9	-.31
		20.2	-.02	.16	-.21	-.23	-.24	23.3	---
		35.2	-.08	-.16	-.18	-.19	-.20	37.9	-.22
		50.2	-.10	-.14	-.14	-.15	-.16	52.6	-.17
		65.2	---	-.11	-.10	-.09	-.09	67.3	-.12
		85.2	-.05	-.05	-.03	-.02	-.01	82.5	---
	c_n	--	-.021	-.024	-.032	-.044	-.053	---	-.102
0	Upper	0	---	0.19	0.15	0.15	0.14	0	0.17
		1.5	---	.02	-.02	-.09	-.07	5.0	-.13
		5.2	-0.02	-.09	-.15	-.17	-.18	8.8	-.21
		10.3	-.03	-.13	-.18	-.26	-.21	13.4	-.24
		15.2	-.02	-.15	-.19	-.20	-.21	18.6	-.23
		30.3	-.05	-.15	-.17	-.18	-.18	33.0	-.18
		45.3	-.10	-.14	-.15	-.15	-.15	47.9	-.15
		60.3	-.10	-.12	-.12	-.11	-.11	62.5	-.10
		80.3	-.06	-.06	-.05	-.04	-.03	82.0	-.04
		90.3	-.03	-.01	.01	.02	.03	---	---
	Lower	2.6	---	-.02	-.08	-.09	-.11	6.3	-.14
		7.7	-.01	-.10	-.15	-.16	-.17	10.9	-.17
		20.2	-.01	-.13	-.17	-.19	-.19	23.3	---
		35.2	-.06	-.14	-.16	-.16	-.17	37.9	-.17
		50.2	-.09	-.12	-.13	-.13	-.13	52.6	-.12
		65.2	---	-.10	-.09	-.09	-.09	67.3	-.09
		85.2	-.05	-.04	-.03	-.02	0	82.5	---
	c_n	--	0	0	0	0	0	---	0
1	Upper	0	---	.18	.13	.12	.10	0	.14
		1.5	---	-.05	-.10	-.20	-.22	5.0	-.36
		5.2	-.03	-.14	-.24	-.26	-.30	8.8	-.40
		10.3	-.04	-.17	-.24	-.27	-.31	13.4	-.39
		15.2	-.04	-.18	-.23	-.26	-.29	18.6	-.35
		30.3	-.06	-.17	-.20	-.22	-.23	33.0	-.26
		45.3	-.11	-.16	-.17	-.18	-.19	47.9	-.21
		60.3	-.11	-.13	-.13	-.12	-.12	62.5	-.13
		80.3	-.07	-.07	-.06	-.05	-.05	82.0	-.04
		90.3	-.04	-.01	.01	.01	.01	---	---
	Lower	2.6	---	.03	-.01	-.02	-.01	6.3	.01
		7.7	-.01	-.07	-.10	-.10	-.09	10.9	-.06
		20.2	-.01	-.11	-.14	-.16	-.15	23.3	---
		35.2	-.06	-.13	-.14	-.14	-.14	37.9	-.12
		50.2	-.08	-.12	-.12	-.11	-.11	52.6	-.09
		65.2	---	-.10	-.09	-.09	-.08	67.3	-.06
		85.2	-.05	-.05	-.03	-.02	-.01	82.5	---
	c_n	--	.021	.035	.049	.060	.073	---	.125
2	Upper	0	---	.25	.08	.06	0	0	-.02
		1.5	---	-.11	-.20	-.33	-.40	5.0	-.66
		5.2	-.04	-.19	-.28	-.35	-.43	8.8	-.62
		10.3	-.04	-.21	-.29	-.34	-.40	13.4	-.54
		15.2	-.04	-.21	-.27	-.31	-.36	18.6	-.51
		30.3	-.07	-.19	-.22	-.25	-.28	33.0	-.28
		45.3	-.12	-.17	-.18	-.19	-.20	47.9	-.24
		60.3	-.12	-.14	-.14	-.14	-.14	62.5	-.16
		80.3	-.07	-.08	-.07	-.06	-.06	82.0	-.07
		90.3	-.04	-.02	.01	.01	.01	---	---
	Lower	2.6	---	.08	.05	.06	.08	6.3	.10
		7.7	0	-.02	-.05	-.04	-.02	10.9	.04
		20.2	.01	-.09	-.10	-.11	-.09	23.3	---
		35.2	-.04	-.10	-.11	-.11	-.10	37.9	-.07
		50.2	-.06	-.10	-.10	-.09	-.08	52.6	-.05
		65.2	-.06	-.09	-.07	-.06	-.06	67.3	-.04
		85.2	-.04	-.04	-.02	-.01	-.01	82.5	---
	c_n	--	.038	.071	.094	.118	.146	---	.246

TABLE XX.- CONTINUED

(b) α_u, 3, 4, 6, 8, 10, 12

α_u	Surface	x/c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	x/c for 0.90b/2	P 0.90b/2
3	Upper	0	---	0.11	0.02	-0.04	-0.17	0	-0.30
		1.5	---	-.20	-.33	-.48	-.63	5.0	-1.00
		5.2	-0.04	-.25	-.37	-.46	-.59	8.8	-.87
		10.2	-.04	-.25	-.35	-.42	-.52	13.4	-.83
		15.2	-.05	-.24	-.32	-.38	-.47	18.6	-.76
		30.3	-.09	-.21	-.25	-.28	-.31	33.0	-.39
		45.3	-.13	-.19	-.20	-.22	-.24	47.9	-.30
		60.3	-.13	-.15	-.16	-.16	-.17	62.5	-.20
		80.3	-.08	-.08	-.07	-.07	-.07	82.0	-.09
		90.3	-.05	-.02	0	0	-.01	--	---
	Lower	2.6	---	.11	.09	.10	.12	6.3	.13
		7.7	.01	.01	-.01	.01	.03	10.9	.09
		20.2	.02	-.06	-.07	-.11	-.05	23.3	---
		35.2	-.02	-.09	-.09	-.08	-.07	37.9	-.03
		50.2	-.05	-.09	-.08	-.07	-.07	52.6	-.03
		65.2	---	-.08	-.07	-.05	-.04	67.3	-.02
		85.2	-.04	-.03	-.02	-.01	0	82.5	---
	c_n		--	.058	.087	.137	.162	.211	--	.379
4	Upper	0	---	.06	-.08	-.18	-.39	0	-.68
		1.5	---	-.28	-.46	-.65	-.89	5.0	-1.24
		5.2	-.04	-.30	-.45	-.57	-.76	8.8	-1.25
		10.3	-.04	-.29	-.40	-.50	-.66	13.4	-1.13
		15.2	-.05	-.27	-.36	-.42	-.51	18.6	-.60
		30.3	-.10	-.23	-.28	-.32	-.36	33.0	-.45
		45.3	-.14	-.20	-.22	-.24	-.27	47.9	-.34
		60.3	-.14	-.16	-.17	-.17	-.19	62.5	-.23
		80.3	-.08	-.09	-.08	-.07	-.08	82.0	-.10
		90.3	-.05	-.02	-.01	0	.10	--	---
	Lower	2.6	---	.15	.13	.13	.14	6.3	.12
		7.7	.02	.04	.03	.06	.08	10.9	.13
		20.2	.03	-.04	-.04	-.08	-.01	23.3	---
		35.2	-.01	-.07	-.07	-.06	-.04	37.9	.01
		50.2	-.04	-.07	-.07	-.05	-.04	52.6	0
		65.2	---	-.07	-.05	-.04	-.02	67.3	-.01
		85.2	-.03	-.03	-.01	0	.01	82.5	---
	c_n		--	.071	.138	.182	.218	.287	--	.445
6	Upper	0	---	-.10	-.37	-.58	-1.03	0	-1.71
		1.5	---	-.48	-.78	-1.05	-1.52	5.0	-1.87
		5.2	-.06	-.42	-.65	-.88	-1.29	8.8	-1.85
		10.3	-.06	-.37	-.54	-.66	-.86	13.4	-1.84
		15.2	-.07	-.34	-.46	-.56	-.70	18.6	-1.78
		30.3	-.12	-.27	-.34	-.39	-.47	33.0	-.75
		45.3	-.17	-.23	-.26	-.29	-.34	47.9	-.30
		60.3	-.16	-.19	-.19	-.21	-.25	62.5	-.26
		80.3	-.09	-.10	-.09	-.09	-.11	82.0	-.15
		90.3	-.05	-.03	-.01	-.01	-.03	--	---
	Lower	2.6	---	.19	.15	.13	.09	6.3	-.02
		7.7	.03	.13	.09	.12	.13	10.9	.15
		20.2	.05	.01	.02	-.02	.06	23.3	---
		35.2	.03	-.09	-.02	-.01	.02	37.9	.07
		50.2	-.01	-.04	-.04	-.02	0	52.6	.04
		65.2	---	-.04	-.03	-.01	0	67.3	.01
		85.2	-.01	-.02	0	.01	.02	82.5	---
	c_n		--	.111	.211	.270	.323	.423	--	.700
8	Upper	0	---	-0.30	-0.74	-1.12	-1.86	0	-1.73
		1.5	---	-.70	-1.16	-1.51	-2.23	5.0	-1.45
		5.2	-0.06	-.59	-.84	-1.03	-1.49	8.8	-1.39
		10.3	-.07	-.45	-.67	-.84	-1.12	13.4	-1.32
		15.2	-.08	-.39	-.56	-.69	-.89	18.6	-1.31
		30.3	-.14	-.30	-.38	-.46	-.59	33.0	-1.32
		45.3	-.19	-.25	-.29	-.34	-.42	47.9	-1.15
		60.3	-.16	-.20	-.21	-.24	-.29	62.5	-.98
		80.3	-.09	-.10	-.10	-.10	-.15	82.0	-.63
		90.3	-.05	.03	-.02	-.02	-.06	--	---
	Lower	2.6	---	.22	.14	.08	-.03	6.3	-.10
		7.7	.06	.16	.14	.16	.15	10.9	.15
		20.2	.08	.06	.07	.02	.11	23.3	---
		35.2	.06	.02	.02	.01	.07	37.9	.10
		50.2	.03	0	.01	.02	.04	52.6	.06
		65.2	---	-.01	0	.02	.03	67.3	.01
		85.2	.01	0	.02	.02	.02	82.5	---
	c_n		--	.145	.268	.349	.415	.551	--	1.072
10	Upper	0	---	-.37	-1.23	-1.82	-2.76	0	-1.14
		1.5	---	-.97	-1.62	-2.14	-2.69	5.0	-1.08
		5.2	-.06	-.68	-1.04	-1.37	-2.44	8.8	-.98
		10.3	-.08	-.53	-.81	-1.05	-1.99	13.4	-.95
		15.2	-.09	-.45	-.67	-.84	-1.32	18.6	-.92
		30.3	-.16	-.34	-.45	-.56	-.84	33.0	-.86
		45.3	-.20	-.28	-.33	-.41	-.41	47.9	-.82
		60.3	-.17	-.22	-.24	-.29	-.31	62.5	-.79
		80.3	-.09	-.12	-.12	-.13	-.15	82.0	-.69
		90.3	-.05	-.03	-.03	-.04	-.07	--	---
	Lower	2.6	---	.23	.07	-.05	-.21	6.3	-.14
		7.7	.08	.20	.17	.16	.14	10.9	.13
		20.2	.11	.12	.12	.09	.16	23.3	---
		35.2	.09	.06	.07	.08	.11	37.9	.11
		50.2	.06	.03	.04	.06	.08	52.6	.06
		65.2	---	.02	.03	.04	.05	67.3	-.01
		85.2	.03	.02	.03	.03	.02	82.5	---
	c_n		--	.184	.352	.453	.538	.756	--	.804
12	Upper	0	---	-.90	-1.82	-2.66	-2.51	0	-.81
		1.5	---	-1.25	-2.12	-2.91	-2.06	5.0	-.78
		5.2	-.07	-.82	-1.30	-1.70	-1.97	8.8	-.76
		10.3	-.09	-.62	-.97	-1.25	-2.00	13.4	-.76
		15.2	-.11	-.52	-.77	-1.00	-2.19	18.6	-.75
		30.3	-.18	-.38	-.52	-.67	-1.69	33.0	-.72
		45.3	-.21	-.33	-.39	-.51	-.97	47.9	-.68
		60.3	-.18	-.25	-.29	-.37	-.60	62.5	-.65
		80.3	-.09	-.12	-.15	-.20	-.34	82.0	-.59
		90.3	-.06	-.03	-.05	-.09	-.23	--	---
	Lower	2.6	---	.21	-.04	-.22	-.33	6.3	-.15
		7.7	.10	.24	.19	.16	.13	10.9	.11
		20.2	.14	.16	.16	.14	.20	23.3	---
		35.2	.14	.10	.11	.13	.15	37.9	.11
		50.2	.10	.07	.08	.09	.10	52.6	.05
		65.2	---	.05	.06	.06	.06	67.3	-.02
		85.2	.05	.04	.04	.03	-.01	82.5	---
	c_n		--	.224	.418	.543	.661	1.124	--	.665

TABLE XX.- CONCLUDED

(c) α_u, 14, 16, 18, 20, 22, 24

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
14	Upper	0	---	-1.28	-2.54	-3.56	-1.76	0	-0.67
		1.5	---	-1.57	-2.73	-3.52	-1.69	5.0	-.66
		5.2	-.08	-.98	-1.56	-2.17	-1.66	8.8	-.69
		10.3	-.10	-.71	-1.12	-1.43	-1.60	13.4	-.66
		15.2	-.12	-.58	-.88	-.97	-1.60	18.6	-.66
		30.3	-.20	-.45	-.63	-.63	-1.51	33.0	-.65
		45.3	-.23	-.36	-.48	-.50	-1.24	47.9	-.61
		60.3	-.19	-.25	-.35	-.40	-.98	62.5	-.58
		80.3	-.11	-.14	-.19	-.31	-.68	82.0	-.53
		90.3	-.07	-.05	-.09	-.19	-.53	--	---
	Lower	2.6	---	.18	-.17	-.42	-.36	6.3	-.18
		7.7	.13	.27	.19	.13	.13	10.9	.08
		20.2	.18	.21	.20	.18	.22	23.3	---
		35.2	.17	.15	.15	.17	.17	37.9	.11
		50.2	.14	.11	.11	.12	.11	52.6	.05
		65.2	---	.08	.08	.08	.06	67.3	.03
		85.2	.07	.05	.05	.03	-.04	82.5	---
	c_n	--	.268	.495	.639	.740	1.192	--	.599
16	Upper	0	---	-1.67	-3.26	-3.09	-1.26	0	-.63
		1.5	---	-1.83	-3.38	-2.34	-1.23	5.0	-.63
		5.2	-.07	-1.08	-1.74	-2.22	-1.22	8.8	-.63
		10.3	-.08	-.75	-1.19	-2.07	-1.18	13.4	-.61
		15.2	-.10	-.60	-.98	-2.02	-1.14	18.6	-.61
		30.3	-.20	-.49	-.80	-1.19	-1.07	33.0	-.57
		45.3	-.23	-.34	-.52	-.79	-.98	47.9	-.53
		60.3	-.18	-.24	-.35	-.63	-.88	62.5	-.53
		80.3	-.12	-.17	-.22	-.43	-.73	82.0	-.49
		90.3	-.08	-.08	-.11	-.30	-.59	--	---
	Lower	2.6	---	.15	-.30	-.49	-.33	6.3	-.20
		7.7	.17	.30	.18	.13	.12	10.9	.05
		20.2	.21	.26	.25	.22	.23	23.3	---
		35.2	.22	.20	.20	.20	.19	37.9	.11
		50.2	.18	.15	.15	.15	.13	52.6	.05
		65.2	---	.11	.11	.10	.07	67.3	-.03
		85.2	.09	.07	.06	.02	-.07	82.5	---
	c_n	--	.303	.543	.733	1.078	.978	--	.523
18	Upper	0	---	-2.17	-4.06	-2.18	-.99	0	-.62
		1.5	---	-2.22	-4.39	-2.01	-.98	5.0	-.63
		5.2	.08	-1.23	-1.98	-2.02	-1.00	8.8	-.60
		10.3	-.10	-.83	-1.41	-2.02	-.98	13.4	-.59
		15.2	-.13	-.71	-1.08	-2.06	-.97	18.6	-.59
		30.3	-.22	-.58	-.98	-1.59	-.90	33.0	-.58
		45.3	-.24	-.33	-.78	-1.14	-.86	47.9	-.55
		60.3	-.19	-.29	-.45	-.88	-.83	62.5	-.53
		80.3	-.15	-.23	-.30	-.66	-.74	82.0	-.54
		90.3	-.11	-.13	-.19	-.54	-.68	--	---
	Lower	2.6	---	.07	-.48	-.49	-.32	6.3	-.24
		7.7	.19	.31	.16	.14	.11	10.9	.01
		20.2	.25	.29	.28	.24	.23	23.3	---
		35.2	.25	.24	.23	.22	.19	37.9	.10
		50.2	.18	.19	.18	.17	.13	52.6	.04
		65.2	---	.14	.12	.10	.06	67.3	-.04
		85.2	.10	.08	.06	.03	-.10	82.5	---
	c_n	--	.350	.633	.899	1.297	.896	--	.523

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
20	Upper	0	---	-2.84	-3.90	-1.74	-0.97	0	-0.63
		1.5	---	-2.66	-3.41	-1.71	-.98	5.0	-.63
		5.2	-0.10	-1.42	-3.56	-1.72	-.98	8.8	-.62
		10.3	-.13	-.94	-3.79	-1.63	-.98	13.4	-.62
		15.2	-.18	-.88	-2.47	-1.61	-.98	18.6	-.62
		30.3	-.24	-.58	-1.02	-1.47	-.93	33.0	-.60
		45.3	-.24	-.40	-.84	-1.22	-.89	47.9	-.59
		60.3	-.20	-.35	-.60	-1.02	-.84	62.5	-.57
		80.3	-.17	-.31	-.44	-.82	-.80	82.0	-.57
		90.3	-.14	-.18	-.29	-.67	-.74	--	---
	Lower	2.6	---	-.01	-.58	-.50	-.37	6.3	-.33
		7.7	.23	.32	.16	.13	.07	10.9	-.04
		20.2	.29	.34	.32	.26	.23	23.3	---
		35.2	.30	.28	.27	.25	.21	37.9	.11
		50.2	.26	.22	.21	.19	.15	52.6	.05
		65.2	---	.17	.15	.12	.07	67.3	-.03
		85.2	.13	.09	.06	0	-.10	82.5	---
	c_n	--	.407	.742	1.256	1.281	.857	--	.540
22	Upper	0	---	-3.40	-.67	-1.58	-.98	0	-.63
		1.5	---	-3.21	-2.89	-1.56	-.99	5.0	-.63
		5.2	-.14	-1.56	-2.80	-1.57	-1.02	8.8	-.62
		10.3	-.18	-1.17	-3.23	-1.52	-1.03	13.4	-.62
		15.2	-.23	-1.14	-3.05	-1.48	-1.03	18.6	-.62
		30.3	-.30	-.58	-1.74	-1.49	-1.00	33.0	-.60
		45.3	-.29	-.50	-1.14	-1.33	-.97	47.9	-.59
		60.3	-.24	-.44	-.80	-1.14	-.93	62.5	-.58
		80.3	-.20	-.36	-.55	-.94	-.85	82.0	-.57
		90.3	-.15	-.22	-.37	-.76	-.77	--	---
	Lower	2.6	---	-.11	-.67	-.58	-.47	6.3	-.39
		7.7	.26	.32	.15	.10	.03	10.9	-.07
		20.2	.32	.38	.34	.27	.23	23.3	---
		35.2	.34	.32	.30	.27	.22	37.9	.12
		50.2	.30	.26	.24	.21	.17	52.6	.07
		65.2	.30	.20	.18	.15	.09	67.3	-.02
		85.2	.15	.11	.08	.01	-.09	82.5	---
	c_n	--	.472	.837	1.319	1.327	.989	--	.561
24	Upper	0	---	-4.02	-2.31	-1.42	-.98	0	-.62
		1.5	---	-3.75	-2.27	-1.41	-.99	5.0	-.62
		5.2	-.18	-1.69	-2.36	-1.46	-1.00	8.8	-.61
		10.3	-.19	-1.47	-2.40	-1.47	-1.02	13.4	-.60
		15.2	-.24	-1.40	-2.45	-1.47	-1.02	18.6	-.61
		30.3	-.34	-.63	-1.86	-1.43	-.99	33.0	-.59
		45.3	-.33	-.58	-1.33	-1.29	-.93	47.9	-.58
		60.3	-.25	-.53	-.98	-1.13	-.89	62.5	-.57
		80.3	-.22	-.42	-.69	-.94	-.80	82.0	-.55
		90.3	-.18	-.27	-.49	-.78	-.73	--	---
	Lower	2.6	---	-.22	-.69	-.61	-.52	6.3	-.39
		7.7	.30	.33	.15	.09	.01	10.9	-.08
		20.2	.37	.43	.37	.29	.24	23.3	---
		35.2	.39	.37	.33	.30	.24	37.9	.13
		50.2	.34	.30	.27	.24	.19	52.6	.08
		65.2	---	.23	.20	.17	.11	67.3	0
		85.2	.17	.13	.08	.01	-.08	82.5	---
	c_n	--	.536	.953	1.519	1.319	.968	--	.545

NACA

TABLE XXI.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0008-63 SECTION. M, 0.60; R, 3.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P					%c for 0.90b/2	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		0.90b/2
-3	Upper	0	----	0.15	0.06	-0.01	-0.09	0	-0.36
		1.5	----	.14	.12	.10	.13	5.0	.13
		5.2	0.01	.03	.01	.01	.05	8.8	.11
		10.3	.01	-.03	-.05	-.05	-.01	13.4	.05
		15.2	.02	-.05	-.07	-.07	-.05	18.6	.02
		30.3	0	-.08	-.10	-.09	-.08	33.0	-.02
		45.3	-.05	-.09	-.09	-.09	-.07	47.9	-.03
		60.3	-.07	-.09	-.08	-.07	-.05	62.5	-.02
		80.3	-.04	-.05	-.03	-.02	-.01	82.0	-.02
		90.3	-.02	0	.02	.03	.03	----	----
	Lower	2.6	----	-.19	-.35	-.46	-.62	6.3	-.86
		7.7	-.02	-.22	-.34	-.41	-.52	10.9	-.85
		20.2	-.04	-.22	-.29	-.35	-.40	23.3	----
		35.2	-.10	-.20	-.23	-.26	-.29	37.9	-.37
		50.2	-.15	-.17	-.19	-.20	-.22	52.6	-.26
		65.2	----	-.14	-.14	-.15	-.15	67.3	-.18
		85.2	-.07	-.06	-.04	-.03	-.03	82.5	----
	c_n	----	-.060	-.099	-.129	-.160	-.212	----	-.363
-2	Upper	0	----	.17	.11	.08	.05	0	-.07
		1.5	----	.11	.08	.05	.09	5.0	.10
		5.2	0	-.01	-.04	-.04	-.02	8.8	.03
		10.3	0	-.06	-.10	-.10	-.08	13.4	-.03
		15.2	.01	-.09	-.11	-.12	-.10	18.6	-.06
		30.3	-.02	-.11	-.13	-.13	-.12	33.0	-.07
		45.3	-.07	-.11	-.12	-.11	-.10	47.9	-.07
		60.3	-.08	-.10	-.10	-.09	-.08	62.5	-.04
		80.3	-.05	-.05	-.04	-.02	-.02	82.0	.01
		90.3	-.02	0	.02	.03	.04	----	----
	Lower	2.6	----	-.12	-.24	-.32	-.41	6.3	-.62
		7.7	-.02	-.17	-.27	-.32	-.38	10.9	-.51
		20.2	-.02	-.19	-.25	-.29	-.32	23.3	----
		35.2	-.09	-.18	-.21	-.24	-.26	37.9	-.29
		50.2	-.12	-.16	-.17	-.17	-.17	52.6	-.20
		65.2	----	-.13	-.12	-.12	-.12	67.3	-.15
		85.2	-.06	-.05	-.03	-.03	-.02	82.5	----
	c_n	----	-.021	-.060	-.077	-.100	-.124	----	-.234
-1	Upper	0	----	.19	.13	.13	.11	0	.13
		1.5	----	.07	.03	-.01	.02	5.0	.01
		5.2	-.01	-.04	-.09	-.11	-.10	8.8	-.08
		10.3	-.01	-.10	-.14	-.16	-.15	13.4	-.13
		15.2	0	-.12	-.15	-.17	-.17	18.6	-.14
		30.3	-.03	-.13	-.16	-.16	-.16	33.0	-.13
		45.3	-.09	-.13	-.14	-.14	-.13	47.9	-.11
		60.3	-.09	-.12	-.11	-.11	-.10	62.5	-.07
		80.3	-.06	-.07	-.05	-.03	-.03	82.0	-.02
		90.3	-.04	-.01	.01	.02	.03	----	----
	Lower	2.6	----	-.07	-.16	-.20	-.24	6.3	-.36
		7.7	-.02	-.15	-.21	-.24	-.28	10.9	-.33
		20.2	-.02	-.17	-.22	-.25	-.27	23.3	----
		35.2	-.09	-.17	-.19	-.22	-.22	37.9	-.24
		50.2	-.11	-.15	-.16	-.17	-.18	52.6	-.19
		65.2	----	-.13	-.11	-.11	-.10	67.3	-.13
		85.2	-.06	-.06	-.03	-.03	-.02	82.5	----
	c_n	----	-.018	-.033	-.033	-.051	-.061	----	-.114
0	Upper	0	----	0.19	0.14	0.14	0.13	0	0.17
		1.5	----	.02	-.02	-.09	-.07	5.0	-.13
		5.2	-0.02	-.09	-.15	-.18	-.19	8.8	-.22
		10.3	-.02	-.13	-.19	-.21	-.22	13.4	-.25
		15.2	-.01	-.14	-.19	-.21	-.22	18.6	-.24
		30.3	-.04	-.15	-.18	-.19	-.20	33.0	-.19
		45.3	-.10	-.14	-.15	-.16	-.16	47.9	-.15
		60.3	-.10	-.13	-.12	-.12	-.12	62.5	-.11
		80.3	-.06	-.07	-.05	-.03	-.03	82.0	-.04
		90.3	-.03	-.01	.01	.02	.03	----	----
	Lower	2.6	----	-.01	-.08	-.10	-.11	6.3	-.15
		7.7	-.01	-.10	-.15	-.17	-.18	10.9	-.18
		20.2	0	-.15	-.18	-.21	-.21	23.3	----
		35.2	-.06	-.15	-.17	-.18	-.18	37.9	-.18
		50.2	-.09	-.13	-.14	-.15	-.14	52.6	-.13
		65.2	----	-.11	-.10	-.09	-.10	67.3	-.09
		85.2	-.05	-.04	-.02	-.02	0	82.5	----
	c_n	----	0	0	0	0	0	----	0
1	Upper	0	----	.19	.13	.12	.10	0	.14
		1.5	----	-.03	-.10	-.19	-.21	5.0	-.37
		5.2	-.02	-.13	-.21	-.26	-.31	8.8	-.42
		10.3	-.02	-.17	-.24	-.28	-.32	13.4	-.40
		15.2	-.01	-.17	-.23	-.27	-.29	18.6	-.35
		30.3	-.05	-.16	-.20	-.23	-.24	33.0	-.27
		45.3	-.11	-.16	-.17	-.18	-.19	47.9	-.21
		60.3	-.11	-.13	-.13	-.12	-.12	62.5	-.12
		80.3	-.07	-.07	-.06	-.04	-.04	82.0	-.03
		90.3	-.04	-.01	.01	.02	.02	----	----
	Lower	2.6	----	.04	-.01	-.01	0	6.3	.01
		7.7	0	-.06	-.10	-.10	-.09	10.9	-.06
		20.2	.01	-.11	-.15	-.16	-.15	23.3	----
		35.2	-.05	-.12	-.15	-.15	-.15	37.9	-.12
		50.2	-.08	-.12	-.12	-.12	-.11	52.6	-.09
		65.2	----	-.10	-.09	-.09	-.08	67.3	-.05
		85.2	-.05	-.04	-.02	-.01	.01	82.5	----
	c_n	----	.024	.042	.047	.057	.077	----	.129
2	Upper	0	----	.16	.08	.07	.01	0	0
		1.5	----	-.10	-.19	-.32	-.40	5.0	-.66
		5.2	-.02	-.18	-.28	-.36	-.44	8.8	-.62
		10.3	-.02	-.20	-.30	-.35	-.41	13.4	-.55
		15.2	-.02	-.20	-.28	-.32	-.37	18.6	-.53
		30.3	-.06	-.19	-.23	-.26	-.29	33.0	-.29
		45.3	-.12	-.17	-.18	-.19	-.20	47.9	-.25
		60.3	-.12	-.14	-.14	-.14	-.15	62.5	-.16
		80.3	-.07	-.08	-.06	-.05	-.05	82.0	-.06
		90.3	-.04	-.01	.01	-.01	.02	----	----
	Lower	2.6	----	.08	.05	.05	.07	6.3	.09
		7.7	0	-.02	-.05	-.04	-.03	10.9	.03
		20.2	.02	-.08	-.10	-.12	-.10	23.3	----
		35.2	-.03	-.10	-.11	-.12	-.11	37.9	-.07
		50.2	-.07	-.10	-.10	-.10	-.09	52.6	-.06
		65.2	----	-.09	-.08	-.07	-.06	67.3	-.04
		85.2	-.04	-.03	-.02	-.01	-.01	82.5	----
	c_n	----	.034	.073	.094	.111	.145	----	.245

TABLE XXI.- CONTINUED

(b) α_u, 3, 4, 5, 6, 8, 10

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
3	Upper	0	----	0.12	0.02	-0.03	-0.15	0	-0.26
		1.5	----	-.18	-.32	-.48	-.63	5.0	-.97
		5.2	-0.03	-.24	-.37	-.47	-.60	8.8	-.84
		10.3	-.03	-.25	-.36	-.43	-.54	13.4	-.86
		15.2	-.04	-.24	-.33	-.39	-.49	18.6	-.79
		30.3	-.08	-.22	-.26	-.29	-.32	33.0	-.39
		45.3	-.14	-.19	-.21	-.23	-.25	47.9	-.30
		60.3	-.14	-.16	-.17	-.17	-.18	62.5	-.20
		80.3	-.08	-.09	-.08	-.07	-.07	82.0	-.08
		90.3	-.05	-.02	0	.01	.01	----	----
	Lower	2.6	----	.11	.08	.09	.11	6.3	.13
		7.7	.01	.01	-.02	0	.03	10.9	.08
		20.2	.02	-.06	-.08	-.11	-.06	23.3	----
		35.2	-.02	-.09	-.09	-.09	-.08	37.9	-.03
		50.2	-.06	-.09	-.09	-.08	-.07	52.6	-.03
		65.2	----	-.08	-.07	-.06	-.04	67.3	-.02
		85.2	-.04	-.03	-.02	-.01	0	82.5	----
		c_n	----	.057	.110	.140	.168	.222	----	.372
4	Upper	0	----	-.08	-.07	-.17	-.36	0	-.58
		1.5	----	-.26	-.45	-.65	-.90	5.0	-1.13
		5.2	-.03	-.29	-.46	-.58	-.77	8.8	-1.09
		10.3	-.03	-.28	-.41	-.52	-.71	13.4	-1.09
		15.2	-.04	-.27	-.37	-.44	-.52	18.6	-1.11
		30.3	-.09	-.23	-.29	-.33	-.38	33.0	-.58
		45.3	-.15	-.21	-.23	-.25	-.28	47.9	-.31
		60.3	-.14	-.16	-.17	-.18	-.20	62.5	-.20
		80.3	-.09	-.09	-.08	-.07	-.08	82.0	-.08
		90.3	-.05	-.02	0	0	0	----	----
	Lower	2.6	----	.14	.12	.13	.13	6.3	.13
		7.7	.02	.04	.03	.05	.07	10.9	.13
		20.2	.03	-.04	-.04	-.08	-.01	23.3	----
		35.2	-.01	-.07	-.07	-.06	-.04	37.9	.01
		50.2	-.04	-.07	-.07	-.06	-.04	52.6	0
		65.2	----	-.07	-.05	-.04	-.03	67.3	-.01
		85.2	-.03	-.03	-.01	0	.02	82.5	----
		c_n	----	.074	.139	.183	.222	.291	----	.488
5	Upper	0	----	.01	-.18	-.33	-.63	0	.08
		1.5	----	-.35	-.60	-.85	-1.21	5.0	-1.22
		5.2	-.03	-.35	-.56	-.73	-1.06	8.8	-1.20
		10.3	-.04	-.32	-.48	-.59	-.71	13.4	-1.19
		15.2	-.04	-.30	-.42	-.50	-.63	18.6	-1.20
		30.3	-.10	-.25	-.32	-.37	-.44	33.0	-1.15
		45.3	-.16	-.22	-.25	-.28	-.32	47.9	-.78
		60.3	-.15	-.18	-.19	-.20	-.23	62.5	-.16
		80.3	-.09	-.09	-.08	-.08	-.09	82.0	-.04
		90.3	-.04	-.02	0	0	-.01	----	----
	Lower	2.6	----	.18	.14	.14	.13	6.3	.09
		7.7	.03	.08	.07	.09	.11	10.9	.15
		20.2	.05	-.01	-.01	-.04	.03	23.3	.03
		35.2	.01	-.04	-.04	-.03	-.01	37.9	.05
		50.2	-.02	-.05	-.04	-.03	-.01	52.6	.02
		65.2	.03	-.05	-.04	-.02	-.01	67.3	.01
		85.2	-.02	-.02	0	.01	.02	82.5	----
		c_n	----	.092	.181	.234	.280	.365	----	.651

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
6	Upper	0	----	-0.07	-0.34	-0.54	-0.99	0	-1.16
		1.5	----	-.46	-.78	-1.07	-1.54	5.0	-1.18
		5.2	-0.04	-.42	-.67	-.92	-1.39	8.8	-1.16
		10.3	-.04	-.37	-.55	-.68	-.86	13.4	-1.13
		15.2	-.05	-.34	-.47	-.58	-.73	18.6	-1.10
		30.3	-.12	-.27	-.35	-.41	-.50	33.0	-1.14
		45.3	-.18	-.24	-.27	-.31	-.36	47.9	-1.02
		60.3	-.17	-.19	-.20	-.22	-.25	62.5	-.77
		80.3	-.09	-.10	-.08	-.08	-.11	82.0	-.49
		90.3	-.04	-.02	0	0	-.02	----	----
	Lower	2.6	----	.20	.15	.13	.10	6.3	.06
		7.7	.03	.11	.10	.12	.14	10.9	.17
		20.2	.06	.02	.02	-.01	.05	23.3	----
		35.2	.03	-.02	-.02	-.01	.02	37.9	.07
		50.2	0	-.03	-.03	-.02	.01	52.6	.03
		65.2	----	-.03	-.02	-.01	.01	67.3	.01
		85.2	-.01	-.01	.01	.02	.02	82.5	----
		c_n	----	.118	.219	.271	.338	.451	----	.881
8	Upper	0	----	-.24	-.68	-1.02	-1.52	0	-.92
		1.5	----	-.68	-1.16	-1.51	-1.76	5.0	-.80
		5.2	-.05	-.53	-.91	-1.17	-1.75	8.8	-.79
		10.3	-.05	-.45	-.68	-.85	-1.60	13.4	-.79
		15.2	-.07	-.39	-.58	-.71	-1.46	18.6	-.81
		30.3	-.14	-.31	-.40	-.49	-.38	33.0	-.78
		45.3	-.20	-.26	-.31	-.36	-.32	47.9	-.72
		60.3	-.18	-.21	-.23	-.25	-.25	62.5	-.65
		80.3	-.10	-.12	-.11	-.12	-.13	82.0	-.58
		90.3	-.05	-.03	-.02	-.03	-.03	----	----
	Lower	2.6	----	.23	.13	.10	.03	6.3	.03
		7.7	.06	.16	.14	.15	.16	10.9	.16
		20.2	.08	.06	.06	.04	.11	23.3	----
		35.2	.07	.02	.02	.04	.07	37.9	.08
		50.2	.03	0	.01	.02	.04	52.6	.04
		65.2	----	-.01	0	.02	.02	67.3	-.01
		85.2	0	0	.02	.02	.02	82.5	----
		c_n	----	.154	.278	.363	.431	.590	----	.706
10	Upper	0	----	-.48	-1.09	-1.52	-1.65	0	-.82
		1.5	----	-.92	-1.59	-2.01	-1.48	5.0	-.72
		5.2	-.06	-.67	-1.02	-1.67	-1.45	8.8	-.70
		10.3	-.06	-.53	-.82	-1.17	-1.43	13.4	-.68
		15.2	-.08	-.46	-.68	-.87	-1.45	18.6	-.69
		30.3	-.17	-.36	-.48	-.53	-1.52	33.0	-.64
		45.3	-.22	-.30	-.36	-.37	-1.05	47.9	-.60
		60.3	-.20	-.25	-.27	-.27	-.75	62.5	-.55
		80.3	-.11	-.13	-.14	-.14	-.34	82.0	-.50
		90.3	-.06	-.04	-.04	-.04	-.21	----	----
	Lower	2.6	----	.23	.10	.01	-.04	6.3	-.03
		7.7	.07	.21	-.17	.17	.17	10.9	.13
		20.2	.12	.11	.11	.08	.15	23.3	----
		35.2	.09	.06	.06	.07	.10	37.9	.08
		50.2	.06	.03	.04	.05	.06	52.6	.04
		65.2	----	.01	.02	.03	.03	67.3	-.03
		85.2	.02	.01	.02	.02	0	82.5	----
		c_n	----	.193	.353	.462	.536	1.000	----	.584

TABLE XXI.- CONCLUDED

(c) α_u, 12, 14, 16, 18, 20, 22, 24

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
12	Upper	0	----	-0.79	-1.55	-1.87	-1.17	0	-0.64
		1.5	----	-1.22	-2.06	-1.82	-1.07	5.0	-.62
		5.2	-0.07	-.80	-1.33	-1.77	-1.04	8.8	-.60
		10.3	-.08	-.62	-.99	-1.80	-1.05	13.4	-.59
		15.2	-.11	-.53	-.82	-1.92	-1.06	18.6	-.60
		30.3	-.20	-.42	-.55	-.76	-1.18	33.0	-.56
		45.3	-.24	-.36	-.42	-.30	-1.09	47.9	-.55
		60.3	-.22	-.27	-.34	-.36	-.89	62.5	-.51
		80.3	-.12	-.14	-.22	-.16	-.69	82.0	-.46
		90.3	-.07	-.05	-.10	-.07	-.58	----	----
	Lower	2.6	----	.23	.08	-.07	-.07	6.3	-.08
		7.7	.10	.24	.19	.18	.17	10.9	.12
		20.2	.15	.16	.16	.13	.17	23.3	----
		35.2	.13	.10	.11	.12	.13	37.9	.09
		50.2	.10	.07	.07	.08	.08	52.6	.04
		65.2	----	.04	.05	.06	.04	67.3	-.03
		85.2	.04	.03	.03	.02	-.04	82.5	----
	c_n	----	.243	.434	.512	.740	.975	----	.514
14	Upper	0	----	-1.11	-1.88	-1.73	-.92	0	-.54
		1.5	----	-1.52	-2.09	-1.48	-.93	5.0	-.54
		5.2	-.07	-.94	-1.96	-1.49	-.95	8.8	-.54
		10.3	-.07	-.70	-1.96	-1.54	-.98	13.4	-.54
		15.2	-.11	-.60	-1.66	-1.67	-1.01	18.6	-.53
		30.3	-.21	-.49	-.47	-1.75	-.99	33.0	-.52
		45.3	-.26	-.39	-.36	-1.12	-.92	47.9	-.49
		60.3	-.22	-.28	-.33	-.73	-.83	62.5	-.48
		80.3	-.14	-.19	-.21	-.35	-.74	82.0	-.46
		90.3	-.09	-.09	-.10	-.24	-.67	----	----
	Lower	2.6	----	.22	-.04	-.13	-.12	6.3	-.12
		7.7	.12	.27	.20	.18	.14	10.9	.08
		20.2	.17	.21	.19	.16	.18	23.3	----
		35.2	.17	.14	.14	.14	.14	37.9	.09
		50.2	.13	.10	.10	.10	.09	52.6	.03
		65.2	----	.07	.06	.06	.04	67.3	-.03
		85.2	.05	.03	.03	.01	-.07	82.5	----
	c_n	----	.280	.514	.731	1.092	.906	----	.470
16	Upper	0	----	-1.46	-2.02	-1.47	-1.00	0	-.54
		1.5	----	-1.80	-1.91	-1.38	-1.01	5.0	-.53
		5.2	-.08	-1.11	-1.85	-1.38	-1.01	8.8	-.53
		10.3	-.10	-.81	-2.07	-1.39	-1.01	13.4	-.52
		15.2	-.13	-.68	-2.27	-1.36	-1.00	18.6	-.52
		30.3	-.25	-.56	-.72	-1.45	-.92	33.0	-.51
		45.3	-.29	-.44	-.36	-1.24	-.85	47.9	-.50
		60.3	-.24	-.33	-.46	-.94	-.82	62.5	-.48
		80.3	-.14	-.21	-.24	-.62	-.72	82.0	-.45
		90.3	-.09	-.10	-.13	-.49	-.65	----	----
	Lower	2.6	----	.20	-.11	-.19	-.21	6.3	-.17
		7.7	.17	.32	.23	.19	.14	10.9	.07
		20.2	.22	.27	.25	.21	.21	23.3	----
		35.2	.23	.20	.19	.19	.18	37.9	.12
		50.2	.19	.15	.15	.14	.12	52.6	.06
		65.2	----	.11	.10	.09	.06	67.3	-.01
		85.2	.08	.06	.05	.01	-.07	82.5	----
	c_n	----	.340	.612	.879	1.137	.896	----	.484

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
18	Upper	0	----	-1.90	-1.86	-1.29	-0.94	0	-0.52
		1.5	----	-2.10	-1.73	-1.25	-.94	5.0	-.53
		5.2	-0.11	-1.59	-1.75	-1.23	-.92	8.8	-.52
		10.3	-.13	-.89	-1.89	-1.21	-.92	13.4	-.51
		15.2	-.16	-.67	-2.24	-1.23	-.92	18.6	-.52
		30.3	-.27	-.53	-1.63	-1.33	-.86	33.0	-.51
		45.3	-.30	-.48	-.84	-1.18	-.82	47.9	-.50
		60.3	-.24	-.39	-.58	-.97	-.80	62.5	-.48
		80.3	-.14	-.24	-.37	-.76	-.71	82.0	-.45
		90.3	-.10	-.12	-.25	-.62	-.65	----	----
	Lower	2.6	----	.16	-.17	-.24	-.26	6.3	-.21
		7.7	.21	.35	.23	.19	.12	10.9	.03
		20.2	.27	.31	.28	.23	.23	23.3	----
		35.2	.28	.25	.23	.22	.20	37.9	.12
		50.2	.23	.19	.18	.16	.14	52.6	.07
		65.2	----	.14	.12	.11	.07	67.3	0
		85.2	.10	.07	.05	.01	-.07	82.5	----
	c_n	----	.392	.703	1.197	1.126	.863	----	.475
20	Upper	0	----	-2.04	-1.74	-1.25	-.90	0	-.52
		1.5	----	-2.27	-1.69	-1.23	-.90	5.0	-.53
		5.2	-.14	-2.12	-1.73	-1.24	-.89	8.8	-.53
		10.3	-.16	-1.21	-1.84	-1.27	-.90	13.4	-.52
		15.2	-.20	-.67	-1.87	-1.29	-.89	18.6	-.52
		30.3	-.32	-.56	-1.87	-1.23	-.85	33.0	-.51
		45.3	-.33	-.49	-1.17	-1.15	-.82	47.9	-.50
		60.3	-.25	-.45	-.76	-1.01	-.79	62.5	-.49
		80.3	-.16	-.29	-.54	-.83	-.72	82.0	-.46
		90.3	-.13	-.18	-.38	-.69	-.66	----	----
	Lower	2.6	----	.12	-.24	-.31	-.31	6.3	-.26
		7.7	.24	.37	.23	.17	.10	10.9	.01
		20.2	.31	.36	.31	.26	.24	23.3	----
		35.2	.32	.29	.27	.24	.21	37.9	.13
		50.2	.27	.23	.21	.19	.16	52.6	.07
		65.2	----	.17	.15	.13	.09	67.3	.01
		85.2	.13	.09	.06	.01	-.07	82.5	----
	c_n	----	.458	.819	1.297	1.160	.865	----	.497
22	Upper	0	----	-2.30	-1.80	-1.38	-.93	0	-.57
		1.5	----	-2.44	-1.80	-1.37	-.94	5.0	-.57
		5.2	-.19	-2.58	-1.81	-1.36	-.92	8.8	-.56
		10.3	-.22	-2.42	-1.85	-1.33	-.94	13.4	-.57
		15.2	-.27	-.88	-1.81	-1.29	-.94	18.6	-.56
		30.3	-.39	-.67	-1.80	-1.20	-.91	33.0	-.55
		45.3	-.38	-.60	-1.36	-1.16	-.87	47.9	-.54
		60.3	-.30	-.55	-1.01	-1.38	-.82	62.5	-.53
		80.3	-.22	-.41	-.72	-.88	-.73	82.0	-.50
		90.3	-.19	-.26	-.54	-.75	-.68	----	----
	Lower	2.6	----	.07	-.34	-.43	-1.40	6.3	-.34
		7.7	.27	.38	.21	.14	.07	10.9	-.03
		20.2	.34	.39	.33	.27	.23	23.3	----
		35.2	.36	.32	.29	.27	.22	37.9	.12
		50.2	.30	.26	.23	.21	.16	52.6	.07
		65.2	----	.19	.17	.14	.08	67.3	0
		85.2	.14	.09	.06	-.01	-.09	82.5	----
	c_n	----	.542	1.014	1.410	1.247	.879	----	.504

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
24	Upper	0	----	-2.47	-1.87	-1.31	-0.88	0	-0.57
		1.5	----	-2.49	-1.87	-1.28	-.88	5.0	-.57
		5.2	-0.20	-2.83	-1.83	-1.26	-.87	8.8	-.57
		10.3	-.25	-2.90	-1.76	-1.24	-.88	13.4	-.57
		15.2	-.31	-1.47	-1.70	-1.22	-.89	18.6	-.58
		30.3	-.44	-.81	-1.61	-1.15	-.88	33.0	-.58
		45.3	-.43	-.78	-1.34	-1.14	-.86	47.9	-.58
		60.3	-.32	-.63	-1.08	-1.04	-.82	62.5	-.57
		80.3	-.28	-.49	-.80	-.89	-.75	82.0	-.55
		90.3	-.26	-.34	-.62	-.77	-.70	----	----
	Lower	2.6	----	.08	-.42	-.48	-.43	6.3	-.38
		7.7	.31	.40	.21	.13	.05	10.9	-.06
		20.2	.38	.43	.36	.29	.24	23.3	----
		35.2	.39	.37	.32	.29	.23	37.9	.12
		50.2	.34	.30	.26	.23	.17	52.6	.06
		65.2	----	.22	.19	.16	.09	67.3	-.01
		85.2	.16	.11	.06	-.02	-.09	82.5	----
	c_n	----	.620	1.197	1.417	1.167	.875	----	.525

NACA

TABLE XXII.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0008-63 SECTION. M, 0.80; R, 3.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
-3	Upper	0	----	0.17	0.06	-0.01	-0.10	0	-0.33
		1.5	----	.16	.12	.09	.12	5.0	.13
		5.2	0.01	.04	.01	0	.03	8.8	.10
		10.3	.01	-.02	-.06	-.06	-.03	13.4	.05
		15.2	.03	-.05	-.09	-.09	-.06	18.6	.01
		30.3	.01	-.09	-.12	-.11	-.09	33.0	-.02
		45.3	-.06	-.11	-.11	-.11	-.09	47.9	-.03
		60.3	-.08	-.11	-.10	-.08	-.07	62.5	-.02
		80.3	-.05	-.06	-.04	-.02	-.01	82.0	.03
		90.3	-.02	0	.03	-.04	.05	----	----
	Lower	2.6	----	-.17	-.36	-.49	-.67	6.3	-.89
		7.7	-.01	-.22	-.36	-.45	-.58	10.9	-.90
		20.2	-.02	-.23	-.32	-.39	-.46	23.3	----
		35.2	-.11	-.23	-.27	-.30	-.34	37.9	-.40
		50.2	-.16	-.21	-.23	-.23	-.25	52.6	-.29
		65.2	----	-.18	-.16	-.16	-.17	67.3	-.19
		85.2	-.08	-.07	-.04	-.03	-.02	82.5	----
	c_n	----	-.068	-.110	-.134	-.174	-.229	----	-.406
-2	Upper	0	----	.19	.10	.06	.02	0	-.11
		1.5	----	.13	.08	.05	.09	5.0	.11
		5.2	.01	.01	-.04	-.05	-.02	8.8	.04
		10.3	.01	-.05	-.10	-.11	-.09	13.4	-.02
		15.2	.02	-.08	-.13	-.13	-.11	18.6	-.05
		30.3	0	-.12	-.14	-.14	-.13	33.0	-.07
		45.3	-.08	-.13	-.14	-.13	-.12	47.9	-.07
		60.3	-.10	-.12	-.12	-.10	-.09	62.5	-.04
		80.3	-.06	-.07	-.05	-.03	-.03	82.0	-.02
		90.3	-.03	0	.02	-.04	-.05	----	----
	Lower	2.6	----	-.12	-.27	-.36	-.48	6.3	-.73
		7.7	-.01	-.18	-.30	-.36	-.44	10.9	-.64
		20.2	-.02	-.21	-.29	-.34	-.38	23.3	----
		35.2	-.10	-.21	-.25	-.29	-.32	37.9	-.35
		50.2	-.15	-.19	-.21	-.21	-.22	52.6	-.25
		65.2	----	-.17	-.15	-.14	-.14	67.3	-.16
		85.2	-.08	-.06	-.04	-.03	-.01	82.5	----
	c_n	----	-.043	-.096	-.095	-.125	-.152	----	-.273
-1	Upper	0	----	.21	.13	.12	.09	0	.09
		1.5	----	.09	.04	-.01	.03	5.0	.03
		5.2	0	-.03	-.09	-.11	-.10	8.8	-.06
		10.3	0	-.09	-.15	-.17	-.16	13.4	-.12
		15.2	.01	-.11	-.16	-.18	-.18	18.6	-.14
		30.3	-.02	-.14	-.17	-.18	-.17	33.0	-.13
		45.3	-.09	-.15	-.16	-.15	-.14	47.9	-.11
		60.3	-.11	-.13	-.13	-.12	-.11	62.5	-.07
		80.3	-.07	-.07	-.05	-.03	-.03	82.0	0
		90.3	-.03	0	.03	.04	.06	----	----
	Lower	2.6	----	-.06	-.17	-.23	-.29	6.3	-.44
		7.7	0	-.13	-.23	-.27	-.32	10.9	-.39
		20.2	0	-.18	-.24	-.28	-.30	23.3	----
		35.2	-.08	-.19	-.22	-.24	-.26	37.9	-.28
		50.2	-.13	-.17	-.19	-.19	-.20	52.6	-.22
		65.2	----	-.15	-.13	-.12	-.11	67.3	-.11
		85.2	-.07	-.05	-.03	-.02	0	82.5	----
	c_n	----	-.022	-.037	-.044	-.058	-.074	----	-.139
0	Upper	0	----	0.22	0.14	0.14	0.13	0	0.16
		1.5	----	.05	-.02	-.10	-.08	5.0	-.13
		5.2	0	-.07	-.15	-.19	-.20	8.8	-.23
		10.3	0	-.12	-.20	-.23	-.25	13.4	-.27
		15.2	.01	-.14	-.21	-.24	-.25	18.6	-.25
		30.3	-.02	-.16	-.20	-.21	-.22	33.0	-.20
		45.3	-.11	-.16	-.18	-.18	-.18	47.9	-.17
		60.3	-.12	-.15	-.14	-.14	-.13	62.5	-.12
		80.3	-.07	-.08	-.06	-.03	-.02	82.0	-.03
		90.3	-.03	0	.03	.04	.06	----	----
	Lower	2.6	----	.01	-.08	-.11	-.13	6.3	-.17
		7.7	.01	-.09	-.17	-.19	-.21	10.9	-.20
		20.2	.02	-.14	-.20	-.23	-.23	23.3	----
		35.2	-.06	-.17	-.19	-.20	-.20	37.9	-.19
		50.2	-.11	-.16	-.17	-.17	-.16	52.6	-.14
		65.2	----	-.13	-.12	-.10	-.11	67.3	-.10
		85.2	-.06	-.05	-.02	-.01	.02	82.5	----
	c_n	----	0	0	0	0	0	----	0
1	Upper	0	----	.20	.13	.11	.09	0	.13
		1.5	----	-.02	-.10	-.21	-.23	5.0	-.39
		5.2	-.01	-.12	-.22	-.28	-.33	8.8	-.45
		10.3	-.01	-.16	-.26	-.30	-.35	13.4	-.44
		15.2	0	-.18	-.25	-.29	-.33	18.6	-.39
		30.3	-.04	-.19	-.23	-.25	-.27	33.0	-.32
		45.3	-.13	-.19	-.20	-.21	-.22	47.9	-.23
		60.3	-.14	-.17	-.16	-.14	-.14	62.5	-.13
		80.3	-.08	-.08	-.06	-.04	-.03	82.0	-.02
		90.3	-.03	0	.02	.04	.05	----	----
	Lower	2.6	----	.05	-.02	-.03	-.02	6.3	0
		7.7	.01	-.05	-.11	-.12	-.11	10.9	-.07
		20.2	.03	-.12	-.16	-.18	-.17	23.3	----
		35.2	-.05	-.14	-.16	-.17	-.16	37.9	-.13
		50.2	-.09	-.14	-.14	-.14	-.13	52.6	-.09
		65.2	----	-.12	-.11	-.10	-.09	67.3	-.05
		85.2	-.06	-.04	-.02	0	.01	82.5	----
	c_n	----	.022	.048	.050	.060	.083	----	.155
2	Upper	0	----	.19	.09	.07	.01	0	.01
		1.5	----	-.07	-.19	-.33	-.41	5.0	-.70
		5.2	-.01	-.17	-.29	-.38	-.47	8.8	-.65
		10.3	-.01	-.20	-.31	-.38	-.45	13.4	-.58
		15.2	-.01	-.21	-.30	-.35	-.41	18.6	-.49
		30.3	-.05	-.21	-.26	-.29	-.34	33.0	-.41
		45.3	-.14	-.20	-.22	-.22	-.23	47.9	-.27
		60.3	-.15	-.18	-.18	-.17	-.17	62.5	-.18
		80.3	-.09	-.09	-.07	-.05	-.04	82.0	-.04
		90.3	-.04	0	.02	.04	.04	----	----
	Lower	2.6	----	.09	.04	.04	.06	6.3	.09
		7.7	.02	-.01	-.06	-.06	-.04	10.9	.02
		20.2	.05	-.09	-.12	-.14	-.12	23.3	----
		35.2	-.03	-.12	-.13	-.14	-.12	37.9	-.07
		50.2	-.08	-.12	-.12	-.11	-.10	52.6	-.05
		65.2	----	.11	-.09	-.08	-.07	67.3	-.03
		85.2	-.05	-.04	-.01	0	0	82.5	----
	c_n	----	.043	.078	.106	.120	.152	----	.292

TABLE XXII.- CONTINUED

(b) α_u, 3, 4, 5, 6, 8, 10

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
3	Upper	0	----	0.15	0.03	-0.03	-0.14	0	-0.23
		1.5	----	-.15	-.31	-.49	-.66	5.0	-.97
		5.2	-0.02	-.22	-.38	-.49	-.65	8.8	-.87
		10.3	-.02	-.24	-.38	-.47	-.59	13.4	-.89
		15.2	-.02	-.24	-.35	-.43	-.56	18.6	-.89
		30.3	-.08	-.23	-.29	-.32	-.36	33.0	-.47
		45.3	-.16	-.22	-.24	-.26	-.28	47.9	-.32
		60.3	-.17	-.19	-.20	-.19	-.19	62.5	-.21
		80.3	-.10	-.10	-.08	-.07	-.06	82.0	-.06
		90.3	-.04	-.01	.02	.03	.03	----	----
	Lower	2.6	----	.13	.08	.08	.11	6.3	.13
		7.7	.02	.02	-.02	-.01	.02	10.9	.09
		20.2	.05	-.06	-.09	-.11	-.07	23.3	----
		35.2	-.02	-.10	-.11	-.11	-.08	37.9	-.03
		50.2	-.06	-.10	-.10	-.09	-.07	52.6	-.02
		65.2	----	-.09	-.08	-.06	-.05	67.3	-.01
		85.2	-.04	-.03	-.01	0	.01	82.5	----
	c_n		----	.068	.121	.154	.187	.235	----	.409
4	Upper	0	----	.13	-.02	-.11	-.27	0	-.38
		1.5	----	-.20	-.39	-.61	-.83	5.0	-.97
		5.2	-.01	-.25	-.43	-.57	-.76	8.8	-.91
		10.3	-.01	-.26	-.41	-.53	-.73	13.4	-.91
		15.2	-.01	-.25	-.38	-.48	-.61	18.6	-.90
		30.3	-.08	-.24	-.31	-.34	-.40	33.0	-.78
		45.3	-.16	-.23	-.26	-.28	-.30	47.9	-.63
		60.3	-.17	-.20	-.20	-.20	-.21	62.5	-.29
		80.3	-.11	-.11	-.09	-.07	-.07	82.0	.01
		90.3	-.05	-.02	.01	.02	.02	----	----
	Lower	2.6	----	.14	.09	0	-.01	6.3	.12
		7.7	.02	.05	.01	.03	.05	10.9	.12
		20.2	.06	-.04	-.07	-.10	-.04	23.3	----
		35.2	-.01	-.08	-.09	-.09	-.06	37.9	0
		50.2	-.05	-.09	-.09	-.08	-.06	52.6	-.01
		65.2	----	-.09	-.07	-.05	-.03	67.3	-.01
		85.2	-.04	-.03	-.01	.01	.02	82.5	----
	c_n		----	.075	.141	.181	.252	.286	----	.522
5	Upper	0	----	.19	-.14	-.28	-.51	0	-.64
		1.5	----	-.30	-.57	-.86	-1.19	5.0	-.95
		5.2	-.02	-.32	-.56	-.77	-1.09	8.8	-.91
		10.3	-.02	-.31	-.50	-.66	-1.04	13.4	-.90
		15.2	-.02	-.30	-.44	-.54	-.64	18.6	-.89
		30.3	-.10	-.27	-.35	-.41	-.46	33.0	-.80
		45.3	-.19	-.25	-.29	-.32	-.34	47.9	-.77
		60.3	-.19	-.21	-.22	-.22	-.23	62.5	-.66
		80.3	-.11	-.11	-.09	-.08	-.08	82.0	-.46
		90.3	-.05	-.02	.01	.02	.01	----	----
	Lower	2.6	----	.18	-.12	.12	.11	6.3	.13
		7.7	.04	.08	.06	.08	.10	10.9	.15
		20.2	.07	-.01	-.03	-.06	-.02	23.3	----
		35.2	.02	-.05	-.06	-.05	-.02	37.9	.04
		50.2	-.03	-.07	-.06	-.05	-.02	52.6	.02
		65.2	----	-.07	-.05	-.03	-.01	67.3	0
		85.2	-.03	-.02	0	.01	.03	82.5	----
	c_n		----	.106	.187	.237	.288	.382	----	.728
6	Upper	0	----	0	-0.37	-0.29	-0.71	0	-0.70
		1.5	----	-.41	-.84	-1.20	-1.30	5.0	-.73
		5.2	-0.02	-.40	-.79	-1.09	-1.24	8.8	-.70
		10.3	-.02	-.40	-.68	-.82	-1.23	13.4	-.66
		15.2	-.04	-.34	-.60	-.73	-1.02	18.6	-.65
		30.3	-.12	-.30	-.50	-.56	-.60	33.0	-.58
		45.3	-.20	-.28	-.42	-.45	-.38	47.9	-.59
		60.3	-.20	-.23	-.35	-.35	-.22	62.5	-.55
		80.3	-.12	-.12	-.10	-.10	-.12	82.0	.47
		90.3	-.05	-.03	0	0	-.04	----	----
	Lower	2.6	----	.20	.04	.03	.01	6.3	.12
		7.7	.04	.11	.09	.10	.13	10.9	.17
		20.2	.08	.01	0	-.03	.05	23.3	----
		35.2	.03	-.04	-.04	-.03	.01	37.9	.05
		50.2	-.01	-.05	-.05	-.03	-.01	52.6	.02
		65.2	----	-.06	-.04	-.02	0	67.3	-.02
		85.2	-.02	-.02	0	.01	.01	82.5	----
	c_n		----	.127	.227	.367	.427	.462	----	.596
8	Upper	0	----	-.16	-.54	-.75	-.97	0	-.66
		1.5	----	-.63	-1.14	-1.36	-1.18	5.0	-.56
		5.2	-.03	-.54	-1.02	-1.33	-1.15	8.8	-.56
		10.3	-.03	-.45	-.71	-1.16	-1.14	13.4	-.54
		15.2	-.04	-.40	-.63	-.97	-1.09	18.6	-.55
		30.3	-.15	-.35	-.47	-.48	-1.07	33.0	-.51
		45.3	-.24	-.32	-.38	-.35	-.90	47.9	-.50
		60.3	-.23	-.29	-.27	-.24	-.71	62.5	-.48
		80.3	-.13	-.14	-.14	-.15	-.45	82.0	-.43
		90.3	-.06	-.04	-.03	-.04	-.32	----	----
	Lower	2.6	----	.24	.14	.12	.09	6.3	-.08
		7.7	.06	.17	.14	.15	.16	10.9	.16
		20.2	.10	.06	.06	.03	.10	23.3	----
		35.2	.07	.01	.01	.02	.05	37.9	.06
		50.2	.02	-.01	-.01	0	.02	52.6	.02
		65.2	----	-.03	-.01	0	.01	67.3	-.03
		85.2	-.01	-.01	0	0	-.02	82.5	----
	c_n		----	.164	.309	.402	.473	.832	----	.493
10	Upper	0	----	-.33	-.76	-.96	-.96	0	-.62
		1.5	----	-.84	-1.39	-1.31	-.86	5.0	-.53
		5.2	-.02	-.68	-1.32	-1.30	-.81	8.8	-.53
		10.3	-.03	-.52	-.93	-1.27	-.78	13.4	-.52
		15.2	-.05	-.45	-.72	-1.27	-.78	18.6	-.52
		30.3	-.17	-.39	-.48	-1.22	-.83	33.0	-.49
		45.3	-.25	-.36	-.36	-.25	-.81	47.9	-.48
		60.3	-.24	-.28	-.26	-.35	-.71	62.5	-.46
		80.3	-.14	-.18	-.18	-.22	-.60	82.0	-.44
		90.3	-.08	-.06	-.06	-.11	-.53	----	----
	Lower	2.6	----	.26	-.35	.10	.08	6.3	.03
		7.7	.08	.21	.18	.18	.18	10.9	.14
		20.2	.13	.12	.11	.08	.14	23.3	----
		35.2	.11	.06	.06	.07	.09	37.9	.07
		50.2	.07	.03	.03	.04	.05	52.6	.02
		65.2	----	0	.01	.02	.01	67.3	-.01
		85.2	.01	0	.01	0	-.05	82.5	----
	c_n		----	.212	.382	.431	.672	.760	----	.492

TABLE XXII.- CONCLUDED

(c) α_u, 12, 14, 16, 18, 20

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
12	Upper	0	----	-0.55	-0.96	-1.19	-0.76	0	-0.60
		1.5	----	-1.13	-1.42	-1.26	-.70	5.0	-.55
		5.2	-0.04	-.83	-1.40	-1.25	-.73	8.8	-.54
		10.3	-.05	-.62	-1.34	-1.24	-.78	13.4	-.54
		15.2	-.07	-.55	-1.33	-1.26	-.80	18.6	-.53
		30.3	-.21	-.47	-.43	-1.24	-.80	33.0	-.52
		45.3	-.31	-.42	-.28	-.92	-.73	47.9	-.50
		60.3	-.27	-.32	-.41	-.80	-.69	62.5	-.48
		80.3	-.18	-.23	-.24	-.49	-.60	82.0	-.45
		90.3	-.11	-.10	-.10	-.38	-.56	----	----
	Lower	2.6	----	.27	.12	.04	.03	6.3	-.04
		7.7	.11	.26	.21	.20	.18	10.9	.11
		20.2	.16	.17	.15	.13	.15	23.3	----
		35.2	.15	.10	.10	.10	.11	37.9	.08
		50.2	.10	.07	.06	.06	.06	52.6	.02
		65.2	----	.03	.03	.03	.02	67.3	-.04
		85.2	.02	.01	.01	-.02	-.07	82.5	----
	c_n	----	.278	.478	.620	.946	.746	----	.480
14	Upper	0	----	-.73	-1.11	-1.20	-.88	0	-.57
		1.5	----	-1.35	-1.38	-1.06	-.85	5.0	-.55
		5.2	-.04	-1.20	-1.37	-1.00	-.83	8.8	-.55
		10.3	-.05	-.66	-1.39	-.91	-.80	13.4	-.55
		15.2	-.09	-.58	-1.50	-.84	-.79	18.6	-.54
		30.3	-.25	-.50	-1.44	-1.03	-.74	33.0	-.53
		45.3	-.33	-.40	-.28	-.98	-.69	47.9	-.50
		60.3	-.28	-.38	-.68	-.83	-.67	62.5	-.49
		80.3	-.23	-.30	-.31	-.64	-.62	82.0	-.47
		90.3	-.13	-.14	-.20	-.56	-.59	----	----
	Lower	2.6	----	.27	.09	.01	-.05	6.3	-.10
		7.7	.14	.31	.24	.21	.16	10.9	.08
		20.2	.22	.22	.21	.17	.18	23.3	----
		35.2	.20	.17	.15	.14	.13	37.9	.09
		50.2	.15	.11	.10	.09	.08	52.6	.03
		65.2	----	.07	.06	.05	.03	67.3	-.03
		85.2	.04	.02	.01	-.03	-.08	82.5	----
	c_n	----	.336	.572	.907	.922	.749	----	.478

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
16	Upper	0	----	-0.92	-1.24	-0.78	-0.81	0	-0.57
		1.5	----	-1.43	-1.36	-.72	-.81	5.0	-.57
		5.2	-0.05	-1.44	-1.34	-.70	-.78	8.8	-.57
		10.3	-.07	-1.24	-1.40	-.76	-.79	13.4	-.57
		15.2	-.12	-.50	-1.55	-.83	-.77	18.6	-.56
		30.3	-.28	-.53	-1.55	-1.05	-.73	33.0	-.54
		45.3	-.37	-.37	-.99	-.97	-.69	47.9	-.52
		60.3	-.27	-.54	-.81	-.70	-.67	62.5	-.51
		80.3	-.24	-.33	-.46	-.70	-.65	82.0	-.50
		90.3	-.15	-.19	-.37	-.63	-.62	----	----
	Lower	2.6	----	.28	.05	.01	-.10	6.3	-.17
		7.7	.17	.35	.25	.23	.15	10.9	.05
		20.2	.24	.27	.24	.18	.19	23.3	----
		35.2	.24	.20	.18	.16	.15	37.9	.09
		50.2	.19	.14	.13	.12	.10	52.6	.04
		65.2	----	.09	.08	.07	.04	67.3	-.03
		85.2	.06	.02	0	-.03	-.08	82.5	----
	c_n	----	.382	.672	1.109	.866	.752	----	.517
18	Upper	0	----	-1.08	-1.35	-.81	-.80	0	-.60
		1.5	----	-1.47	-1.34	-.83	-.80	5.0	-.59
		5.2	-.09	-1.49	-1.33	-.87	-.80	8.8	-.59
		10.3	-.11	-1.56	-1.34	-.97	-.79	13.4	-.59
		15.2	-.16	-1.01	-1.36	-1.04	-.78	18.6	-.58
		30.3	-.31	-.58	-1.19	-1.04	-.78	33.0	-.57
		45.3	-.40	-.37	-1.14	-.94	-.72	47.9	-.56
		60.3	-.32	-.73	-.86	-.84	-.71	62.5	-.55
		80.3	-.21	-.36	-.61	-.75	-.68	82.0	-.54
		90.3	-.18	-.28	-.42	-.68	-.65	----	----
	Lower	2.6	----	.27	0	-.09	-.17	6.3	-.24
		7.7	.20	.39	.27	.20	.14	10.9	.01
		20.2	.28	.32	.28	.21	.20	23.3	----
		35.2	.29	.24	.22	.20	.17	37.9	.09
		50.2	.23	.19	.16	.14	.12	52.6	.04
		65.2	----	.12	.11	.09	.06	67.3	-.03
		85.2	.08	.03	.01	-.03	-.08	82.5	----
	c_n	----	.439	.811	1.088	.862	.783	----	.526

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
20	Upper	0	----	-1.20	-1.47	-1.01	-0.86	0	-0.62
		1.5	----	-1.60	-1.42	-1.02	-.87	5.0	-.62
		5.2	-0.11	-1.63	1.40	-1.05	-.85	8.8	-.62
		10.3	-.14	-1.75	-1.38	-1.10	-.85	13.4	-.62
		15.2	-.20	-1.46	-1.40	-1.13	-.84	18.6	-.61
		30.3	-.39	-.69	-1.28	-1.09	-.81	33.0	-.61
		45.3	-.47	-.52	-1.23	-1.00	-.78	47.9	-.60
		60.3	-.39	-.79	-.97	-.91	-.75	62.5	-.59
		80.3	-.23	-.43	-.73	-.81	-.71	82.0	-.57
		90.3	-.22	-.31	-.62	-.74	-.68	----	----
	Lower	2.6	----	.27	-.04	-.15	-.24	6.3	-.30
		7.7	.25	.42	.28	.21	.12	10.9	-.02
		20.2	.32	.37	.31	.24	.22	23.3	----
		35.2	.33	.29	.25	.23	.19	37.9	.10
		50.2	.28	.22	.19	.17	.14	52.6	.05
		65.2	----	.16	.14	.12	.08	67.3	-.02
		85.2	.11	.06	.03	-.02	-.07	82.5	----
	c_n	----	.526	.983	1.269	1.046	.844	----	.564

TABLE XXIII.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0008-63 SECTION. M, 0.85; R, 3.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
-3	Upper	0	---	0.18	0.06	-0.02	-0.11	0	-0.33
		1.5	---	.17	.11	.08	.11	5.0	.13
		5.2	0.02	.05	0	0	.03	8.8	.10
		10.3	.02	-.02	.06	.07	.03	13.4	.05
		15.2	.04	-.05	-.09	-.10	-.07	18.6	.02
		30.3	.03	-.10	-.12	-.12	-.10	33.0	-.02
		45.3	-.07	-.12	-.12	-.12	-.09	47.9	-.03
		60.3	-.09	-.12	-.11	-.09	-.06	62.5	-.01
		80.3	-.05	-.06	-.05	-.02	-.01	82.0	.04
		90.3	-.02	-.01	.03	.04	.02	---	---
	Lower	2.6	---	-.16	-.36	-.50	-.71	6.3	-.92
		7.7	-.01	-.21	-.36	-.47	-.61	10.9	-.92
		20.2	-.01	-.23	-.33	-.43	-.49	23.3	---
		35.2	-.11	-.24	-.29	-.32	-.36	37.9	-.43
		50.2	-.17	-.24	-.24	-.25	-.27	52.6	-.29
		65.2	---	-.19	-.18	-.17	-.18	67.3	-.18
		85.2	-.08	-.07	-.04	-.03	-.02	82.5	---
-2	Upper	0	---	.21	.11	.07	.03	0	-.08
		1.5	---	.13	.08	.04	.08	5.0	.10
		5.2	.01	.02	-.05	-.06	-.04	8.8	.03
		10.3	.01	-.05	-.11	-.13	-.10	13.4	-.04
		15.2	.03	-.08	-.13	-.15	-.13	18.6	-.06
		30.3	.01	-.12	-.15	-.16	-.14	33.0	-.08
		45.3	-.08	-.14	-.14	-.14	-.12	47.9	-.08
		60.3	-.10	-.13	-.13	-.11	-.09	62.5	-.04
		80.3	-.06	-.07	-.04	-.03	-.02	82.0	.03
		90.3	-.02	.01	.04	.06	.06	---	---
	Lower	2.6	---	-.09	-.25	-.34	-.47	6.3	-.73
		7.7	.01	-.16	-.28	-.36	-.44	10.9	-.62
		20.2	0	-.19	-.28	-.35	-.38	23.3	---
		35.2	-.08	-.21	-.25	-.29	-.32	37.9	-.34
		50.2	-.14	-.20	-.22	-.21	-.20	52.6	-.24
		65.2	---	-.17	-.15	-.14	-.13	67.3	-.15
		85.2	-.07	-.05	-.03	-.02	0	82.5	---
-1	Upper	0	---	.22	.14	.12	.10	0	.12
		1.5	---	.10	.04	.02	.02	5.0	.02
		5.2	.01	-.02	-.10	-.12	-.12	8.8	.06
		10.3	.01	-.08	-.15	-.18	-.17	13.4	-.13
		15.2	.03	-.11	-.17	-.19	-.19	18.6	-.15
		30.3	0	-.14	-.18	-.19	-.18	33.0	-.14
		45.3	-.10	-.15	-.17	-.16	-.15	47.9	-.11
		60.3	-.12	-.14	-.14	-.13	-.11	62.5	-.07
		80.3	-.07	-.08	-.05	-.03	-.03	82.0	0
		90.3	-.03	-.01	.04	.06	.07	---	---
	Lower	2.6	---	-.03	-.16	-.22	-.29	6.3	-.44
		7.7	0	-.13	-.23	-.27	-.32	10.9	-.39
		20.2	0	-.17	-.25	-.29	-.31	23.3	---
		35.2	-.07	-.19	-.23	-.27	-.27	37.9	-.28
		50.2	-.13	-.19	-.20	-.21	-.21	52.6	-.23
		65.2	---	-.16	-.14	-.12	-.11	67.3	-.13
		85.2	-.07	-.05	-.03	-.01	.02	82.5	---

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
0	Upper	0	---	0.22	0.13	0.12	0.11	0	0.15
		1.5	---	.05	-.02	-.11	-.08	5.0	-.13
		5.2	0	-.07	-.16	-.20	-.21	8.8	-.23
		10.3	0	-.12	-.21	-.24	-.26	13.4	-.27
		15.2	.01	-.14	-.22	-.25	-.26	18.6	-.26
		30.3	-.02	-.17	-.22	-.23	-.23	33.0	-.21
		45.3	-.12	-.18	-.19	-.20	-.19	47.9	-.17
		60.3	-.14	-.17	-.16	-.16	-.15	62.5	-.13
		80.3	-.08	-.08	-.06	-.03	-.01	82.0	-.02
		90.3	-.03	0	.03	.05	.07	---	---
	Lower	2.6	---	0	-.10	-.14	-.16	6.3	-.22
		7.7	.01	-.08	-.17	-.20	-.22	10.9	-.23
		20.2	.02	-.15	-.22	-.25	-.25	23.3	---
		35.2	-.07	-.17	-.21	-.23	-.22	37.9	-.20
		50.2	-.12	-.17	-.18	-.18	-.17	52.6	-.15
		65.2	---	-.16	-.14	-.12	-.12	67.3	-.10
		85.2	-.07	-.05	-.02	-.01	.02	82.5	---
1	Upper	0	---	.21	.13	.11	.08	0	.13
		1.5	---	0	-.09	-.21	-.23	5.0	-.39
		5.2	-.01	-.11	-.22	-.28	-.34	8.8	-.45
		10.3	-.01	-.15	-.26	-.31	-.36	13.4	-.44
		15.2	.01	-.17	-.26	-.30	-.34	18.6	-.39
		30.3	-.03	-.19	-.24	-.27	-.29	33.0	-.33
		45.3	-.13	-.19	-.21	-.23	-.24	47.9	-.23
		60.3	-.15	-.18	-.17	-.15	-.14	62.5	-.13
		80.3	-.09	-.09	-.07	-.04	-.03	82.0	-.01
		90.3	-.04	-.01	.02	.05	.06	---	---
	Lower	2.6	---	.06	-.02	-.03	-.03	6.3	-.01
		7.7	.01	-.04	-.12	-.13	-.13	10.9	-.09
		20.2	.02	-.12	-.17	-.21	-.19	23.3	---
		35.2	-.04	-.15	-.18	-.19	-.18	37.9	-.13
		50.2	-.11	-.15	-.16	-.15	-.14	52.6	-.10
		65.2	---	-.14	-.12	-.11	-.09	67.3	-.06
		85.2	-.06	-.05	-.02	0	.01	82.5	---
2	Upper	0	---	.19	.09	.06	0	0	.01
		1.5	---	-.07	-.19	-.34	-.42	5.0	-.70
		5.2	-.01	-.16	-.30	-.39	-.49	8.8	-.65
		10.3	-.01	-.19	-.32	-.40	-.48	13.4	-.60
		15.2	0	-.21	-.31	-.37	-.43	18.6	-.61
		30.3	-.06	-.22	-.28	-.32	-.37	33.0	-.47
		45.3	-.15	-.22	-.24	-.25	-.25	47.9	-.28
		60.3	-.17	-.20	-.19	-.19	-.18	62.5	-.19
		80.3	-.10	-.10	-.07	-.05	-.04	82.0	-.04
		90.3	-.04	0	.03	.04	.05	---	---
	Lower	2.6	---	.09	.03	.02	.04	6.3	.08
		7.7	.02	-.01	-.07	-.03	-.05	10.9	.02
		20.2	.04	-.09	-.13	-.15	-.13	23.3	---
		35.2	-.03	-.13	-.14	-.15	-.13	37.9	-.06
		50.2	-.09	-.13	-.13	-.13	-.11	52.6	-.06
		65.2	---	-.12	-.10	-.09	-.07	67.3	-.02
		85.2	-.06	-.04	-.01	0	-.01	82.5	---

TABLE XXIII.- CONTINUED

(b) α_u, 3, 4, 5, 6, 8, 10

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
3	Upper	0	---	0.17	0.03	-0.02	-0.14	0	-.20
		1.5	---	-.13	-.29	-.49	-.66	5.0	-.94
		5.2	-0.01	-.21	-.38	-.50	-.65	8.8	-.85
		10.3	-.01	-.23	-.38	-.48	-.60	13.4	-.85
		15.2	-.01	-.24	-.36	-.45	-.58	18.6	-.86
		30.3	-.08	-.24	-.31	-.34	-.37	33.0	-.61
		45.3	-.17	-.24	-.26	-.28	-.29	47.9	-.33
		60.3	-.18	-.21	-.21	-.21	-.21	62.5	-.21
		80.3	-.11	-.11	-.09	-.06	-.05	82.0	-.05
		90.3	-.04	-.01	.02	.04	.04	---	---
	Lower	2.6	---	.13	.07	.07	.11	6.3	.12
		7.7	.02	.01	-.03	-.02	.01	10.9	.06
		20.2	.05	-.07	-.10	-.12	-.08	23.3	---
		35.2	-.02	-.10	-.12	-.12	-.10	37.9	-.04
		50.2	-.07	-.11	-.12	-.12	-.10	52.6	-.04
		65.2	---	-.11	-.10	-.07	-.05	67.3	-.01
		85.2	-.05	-.04	-.01	0	0	82.5	---
4	Upper	0	---	.12	-.05	-.15	-.34	0	-.44
		1.5	---	-.22	-.44	-.70	-.98	5.0	-.94
		5.2	-.01	-.27	-.48	-.65	-.89	8.8	-.91
		10.3	-.02	-.28	-.46	-.60	-.89	13.4	-.89
		15.2	-.01	-.28	-.43	-.54	-.75	18.6	-.89
		30.3	-.10	-.27	-.35	-.40	-.46	33.0	-.84
		45.3	-.10	-.27	-.29	-.31	-.34	47.9	-.81
		60.3	-.20	-.24	-.24	-.22	-.24	62.5	-.68
		80.3	-.12	-.12	-.09	-.08	-.07	82.0	-.29
		90.3	-.05	-.01	.02	.03	.03	---	---
	Lower	2.6	---	.15	.09	.09	.11	6.3	.12
		7.7	.03	.05	.02	.03	.06	10.9	.13
		20.2	.07	-.04	-.07	-.11	-.03	23.3	---
		35.2	0	-.08	-.10	-.09	-.06	37.9	.01
		50.2	-.05	-.10	-.10	-.08	-.06	52.6	0
		65.2	---	-.10	-.08	-.06	-.03	67.3	-.01
		85.2	-.04	-.04	-.01	.01	.02	82.5	---
5	Upper	0	---	.08	-.14	-.27	-.49	0	-.59
		1.5	---	-.29	-.57	-.89	-1.17	5.0	-.85
		5.2	-.01	-.31	-.57	-.80	-1.10	8.8	-.82
		10.3	0	-.30	-.52	-.71	-1.09	13.4	-.79
		15.2	-.01	-.29	-.47	-.56	-.88	18.6	-.79
		30.3	-.10	-.28	-.37	-.43	-.50	33.0	-.66
		45.3	-.19	-.27	-.30	-.43	-.35	47.9	-.62
		60.3	-.20	-.23	-.23	-.23	-.21	62.5	-.57
		80.3	-.12	-.12	-.10	-.08	-.08	82.0	-.47
		90.3	-.05	-.01	.02	.02	.01	---	---
	Lower	2.6	---	.20	.13	.13	.12	6.3	.13
		7.7	.04	.09	.05	.07	.09	10.9	.15
		20.2	.08	-.01	-.03	-.07	.01	23.3	---
		35.2	.02	-.04	-.06	-.06	-.03	37.9	.04
		50.2	-.03	-.07	-.07	-.06	-.03	52.6	.01
		65.2	---	-.08	-.06	-.04	-.02	67.3	-.01
		85.2	-.03	-.03	0	-.01	-.02	82.5	---

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
6	Upper	0	---	0.02	-0.25	-0.42	-0.65	0	-0.50
		1.5	---	-.38	-.74	-1.14	-1.22	5.0	-.61
		5.2	-0.02	-.38	-.69	-1.03	-1.18	8.8	-.59
		10.3	0	-.35	-.59	-.75	-1.18	13.4	-.57
		15.2	-.02	-.33	-.52	-.64	-1.11	18.6	-.56
		30.3	-.12	-.31	-.41	-.48	-.85	33.0	-.52
		45.3	-.21	-.29	-.33	-.38	-.34	47.9	-.51
		60.3	-.23	-.25	-.26	-.25	-.19	62.5	-.47
		80.3	-.13	-.13	-.10	-.10	-.13	82.0	-.44
		90.3	-.05	-.02	.01	.01	-.05	---	---
	Lower	2.6	---	.22	.14	.12	.11	6.3	.12
		7.7	.05	.12	.08	.10	.12	10.9	.17
		20.2	.10	.02	0	-.04	.04	23.3	---
		35.2	.04	-.04	-.04	-.03	0	37.9	.05
		50.2	-.01	-.05	-.05	-.04	-.01	52.6	.02
		65.2	---	-.06	-.04	-.03	-.01	67.3	-.02
		85.2	-.03	-.02	0	.01	.01	82.5	---
8	Upper	0	---	-.12	-.47	-.65	-.85	0	-.59
		1.5	---	-.57	-1.07	-1.24	-1.06	5.0	-.50
		5.2	.08	-.50	-.96	-1.21	-1.04	8.8	-.49
		10.3	.08	-.43	-.69	-1.16	-1.01	13.4	-.48
		15.2	.08	-.40	-.62	-1.03	-.97	18.6	-.42
		30.3	-.14	-.35	-.50	-.52	-.93	33.0	-.47
		45.3	-.24	-.33	-.38	-.34	-.81	47.9	-.45
		60.3	-.26	-.28	-.27	-.22	-.70	62.5	-.45
		80.3	-.14	-.15	-.14	-.16	-.50	82.0	-.42
		90.3	-.06	-.04	-.03	-.04	-.40	---	---
	Lower	2.6	---	.26	.16	.12	.10	6.3	.09
		7.7	.06	.17	.13	.14	.15	10.9	.15
		20.2	.11	.07	.05	.02	.09	23.3	---
		35.2	.07	.01	0	.01	.05	37.9	.06
		50.2	.02	-.02	-.02	0	.02	52.6	.01
		65.2	---	-.04	-.02	-.01	0	67.3	-.03
		85.2	-.01	-.01	0	0	-.05	82.5	---
10	Upper	0	---	-.29	-.70	-.89	-.83	0	-.60
		1.5	---	-.84	-1.35	-1.25	-.71	5.0	-.53
		5.2	-.01	-.70	-1.30	-1.26	-.68	8.8	-.52
		10.3	-.02	-.52	-1.08	-1.27	-.66	13.4	-.51
		15.2	-.03	-.48	-.87	-1.27	-.70	18.6	-.51
		30.3	-.17	-.41	-.52	-1.25	-.80	33.0	-.50
		45.3	-.28	-.40	-.37	-.56	-.72	47.9	-.47
		60.3	-.28	-.30	-.27	-.57	-.66	62.5	-.46
		80.3	-.16	-.20	-.20	-.29	-.57	82.0	-.43
		90.3	-.09	-.07	-.06	-.19	-.52	---	---
	Lower	2.6	---	.29	.16	.10	.09	6.3	.02
		7.7	.09	.22	.18	.18	.19	10.9	.13
		20.2	.15	.12	.11	.08	.14	23.3	---
		35.2	.12	.06	.06	.07	.08	37.9	.07
		50.2	.07	.03	.03	.04	.04	52.6	.02
		65.2	---	0	.01	.02	.01	67.3	-.03
		85.2	.01	-.01	0	-.01	-.05	82.5	---

NACA

TABLE XXIII.- CONCLUDED

(c) α_u, 12, 14, 16, 18

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
12	Upper	0	---	-0.49	-0.85	-1.07	-0.78	0	-0.57
		1.5	---	-1.10	-1.32	-1.20	-.78	5.0	-.54
		5.2	-0.08	-1.14	-1.30	-1.18	-.73	8.8	-.54
		10.3	-.04	-.60	-1.29	-1.11	-.75	13.4	-.53
		15.2	-.06	-.54	-1.29	-1.05	-.75	18.6	-.53
		30.3	-.21	-.49	-1.12	-1.00	-.73	33.0	-.51
		45.3	-.33	-.45	-.16	-.92	-.66	47.9	-.49
		60.3	-.30	-.30	-.56	-.78	-.64	62.5	-.48
		80.3	-.24	-.28	-.29	-.58	-.58	82.0	-.46
		90.3	-.14	-.12	-.16	-.48	-.55	---	---
	Lower	2.6	---	.29	.13	.05	.04	6.3	-.04
		7.7	.12	.27	.21	.20	.17	10.9	.11
		20.2	.18	.17	.16	.12	.15	23.3	---
		35.2	.16	.11	.10	.10	.10	37.9	.07
		50.2	.11	.07	.06	.06	.06	52.6	.02
		65.2	---	.03	.03	.03	.02	67.3	-.03
		85.2	.02	-.01	-.01	-.03	-.07	82.5	---
14	Upper	0	---	-.67	-1.00	-1.03	-.81	0	-.57
		1.5	---	-1.28	-1.31	-.91	-.78	5.0	-.56
		5.2	-.04	-1.22	-1.31	-.80	-.75	8.8	-.55
		10.3	-.04	-.72	-1.34	-.72	-.74	13.4	-.55
		15.2	-.09	-.55	-1.42	-.72	-.74	18.6	-.54
		30.3	-.23	-.52	-1.47	-.98	-.72	33.0	-.53
		45.3	-.37	-.39	-.54	-.93	-.66	47.9	-.52
		60.3	-.27	-.37	-.74	-.78	-.64	62.5	-.51
		80.3	-.33	-.33	-.41	-.69	-.60	82.0	-.50
		90.3	-.16	-.20	-.32	-.58	-.58	---	---
	Lower	2.6	---	.30	.11	.15	-.03	6.3	-.11
		7.7	.15	.32	.24	.23	.17	10.9	.07
		20.2	.21	.23	.20	.16	.17	23.3	---
		35.2	.21	.16	.14	.13	.12	37.9	.08
		50.2	.15	.11	.09	.08	.07	52.6	.03
		65.2	.05	.06	.05	.04	.03	67.3	-.03
		85.2	.03	0	-.01	-.04	.08	82.5	---

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
16	Upper	0	---	-0.90	-1.08	-0.59	-0.72	0	-0.57
		1.5	---	-1.27	-1.21	-.57	-.73	5.0	-.57
		5.2	-0.05	-1.27	-1.21	-.60	-.73	8.8	-.55
		10.3	-.05	-1.23	-1.24	-.74	-.72	13.4	-.55
		15.2	-.09	-.56	-1.33	-.83	-.71	18.6	-.55
		30.3	-.27	-.55	-1.14	-.94	-.69	33.0	-.54
		45.3	-.17	-.27	-.98	-.90	-.67	47.9	-.53
		60.3	-.23	-.59	-.79	-.76	-.65	62.5	-.53
		80.3	-.33	-.35	-.54	-.67	-.62	82.0	-.52
		90.3	-.17	-.25	-.46	-.62	-.60	---	---
	Lower	2.6	---	.30	.07	.04	-.08	6.3	-.17
		7.7	.18	.36	.27	.24	.16	10.9	.05
		20.2	.26	.23	.25	.19	.19	23.3	---
		35.2	.26	.20	.19	.16	.16	37.9	.08
		50.2	.20	.15	.13	.12	.10	52.6	.04
		65.2	.05	.09	.08	.07	.04	67.3	-.02
		85.2	.05	.01	0	-.03	-.07	82.5	---
18	Upper	0	---	-.95	-1.23	-1.03	-.78	0	-.62
		1.5	---	-1.43	-1.29	-.99	-.79	5.0	-.62
		5.2	-.07	-1.43	-1.30	-.96	-.79	8.8	-.62
		10.3	-.08	-1.52	-1.33	-.94	-.79	13.4	-.62
		15.2	-.13	-1.25	-1.36	-.94	-.79	18.6	-.62
		30.3	-.33	-.63	-1.19	-.98	-.75	33.0	-.62
		45.3	-.44	-.44	-1.08	-.93	-.72	47.9	-.61
		60.3	-.24	-.59	-.87	-.84	-.70	62.5	-.59
		80.3	-.29	-.46	-.67	-.74	-.67	82.0	-.58
		90.3	-.24	-.36	-.57	-.68	-.65	---	---
	Lower	2.6	---	.31	.04	-.07	-.13	6.3	-.24
		7.7	.21	.40	.28	.22	.14	10.9	.01
		20.2	.29	.32	.28	.22	.21	23.3	---
		35.2	.30	.24	.22	.20	.17	37.9	.09
		50.2	.24	.18	.16	.14	.12	52.6	.04
		65.2	.05	.12	.10	.09	.06	67.3	-.02
		85.2	.07	.03	.01	-.03	-.06	82.5	---

TABLE XXIV.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0008-63 SECTION. M, 0.90; R, 3.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
-3	Upper	0	----	0.19	0.06	-0.02	-0.11	0	-0.32
		1.5	----	.17	.10	-.07	.09	5.0	.12
		5.2	0.02	.05	-.01	-.02	.01	8.8	.09
		10.3	.02	-.02	-.08	-.09	-.06	13.4	.04
		15.2	.04	-.06	-.11	-.12	-.09	18.6	.01
		30.3	.02	-.11	-.14	-.15	-.12	33.0	-.03
		45.3	-.08	-.14	-.15	-.14	-.11	47.9	-.04
		60.3	-.11	-.14	-.13	-.11	-.08	62.5	-.01
		80.3	-.07	-.08	-.05	-.03	-.01	82.0	.04
		90.3	-.03	0	.04	.05	.04	----	----
	Lower	2.6	----	-.15	-.36	-.51	-.74	6.3	-.93
		7.7	0	-.20	-.37	-.48	-.65	10.9	-.93
		20.2	0	-.24	-.36	-.44	-.56	23.3	----
		35.2	-.11	-.26	-.32	-.39	-.37	37.9	-.50
		50.2	-.18	-.25	-.29	-.28	-.29	52.6	-.30
		65.2	----	-.24	-.20	-.18	-.18	67.3	-.16
		85.2	-.09	-.07	-.03	-.02	0	82.5	----
	c_n		-.062	-.113	-.146	-1.860	-.244	----	-.415
-2	Upper	0	----	.21	.11	.06	.01	0	-.10
		1.5	----	.14	.07	.02	.06	5.0	.10
		5.2	.02	.02	-.05	-.07	-.05	8.8	.03
		10.3	.02	-.05	-.12	-.14	-.12	13.4	-.03
		15.2	.04	-.08	-.14	-.16	-.14	18.6	-.06
		30.3	.01	-.13	-.17	-.18	-.16	33.0	-.08
		45.3	-.09	-.15	-.17	-.16	-.13	47.9	-.07
		60.3	-.12	-.16	-.15	-.12	-.10	62.5	-.03
		80.3	-.08	-.08	-.06	-.04	-.03	82.0	.03
		90.3	-.03	.01	.04	.06	.07	----	----
	Lower	2.6	----	-.09	-.25	-.37	-.52	6.3	-.79
		7.7	0	-.16	-.30	-.38	-.49	10.9	-.70
		20.2	.01	-.21	-.31	-.38	-.43	23.3	----
		35.2	-.09	-.23	-.29	-.34	-.37	37.9	-.37
		50.2	-.16	-.23	-.26	-.26	-.23	52.6	-.25
		65.2	----	-.22	-.18	-.15	-.15	67.3	-.15
		85.2	-.09	-.06	-.03	-.01	.01	82.5	----
	c_n		-.039	-.081	-.096	-1.25	-.161	----	-.322
-1	Upper	0	----	.23	.13	.11	.08	0	.11
		1.5	----	.11	.03	-.04	0	5.0	.01
		5.2	.01	-.02	-.11	-.14	-.14	8.8	-.09
		10.3	.01	-.08	-.17	-.20	-.20	13.4	-.15
		15.2	.03	-.11	-.19	-.21	-.21	18.6	-.16
		30.3	0	-.15	-.20	-.21	-.20	33.0	-.15
		45.3	-.11	-.17	-.19	-.19	-.17	47.9	-.12
		60.3	-.13	-.17	-.16	-.15	-.12	62.5	-.06
		80.3	-.09	-.08	-.06	-.03	-.02	82.0	-.01
		90.3	-.03	.01	.04	.02	.09	----	----
	Lower	2.6	----	-.03	-.16	-.23	-.31	6.3	-.45
		7.7	.01	-.11	-.23	-.28	-.34	10.9	-.41
		20.2	.02	-.17	-.26	-.31	-.34	23.3	----
		35.2	-.07	-.20	-.25	-.28	-.28	37.9	-.29
		50.2	-.14	-.20	-.23	-.24	-.23	52.6	-.24
		65.2	----	-.19	-.16	-.13	-.11	67.3	-.10
		85.2	-.08	-.05	-.02	-.01	.02	82.5	----
	c_n		-.014	-.044	-.063	-.053	-.072	----	-.137
0	Upper	0	----	0.23	0.14	0.12	0.10	0	0.16
		1.5	----	.07	-.02	-.11	-.10	5.0	-.14
		5.2	0.01	-.05	-.15	-.20	-.23	8.8	-.23
		10.3	.01	-.11	-.20	-.25	-.27	13.4	-.27
		15.2	.03	-.13	-.22	-.25	-.27	18.6	-.26
		30.3	-.01	-.17	-.22	-.24	-.24	33.0	-.20
		45.3	-.12	-.19	-.21	-.21	-.20	47.9	-.16
		60.3	-.15	-.18	-.17	-.16	-.15	62.5	-.12
		80.3	-.08	-.08	-.06	-.02	0	82.0	.01
		90.3	-.03	.01	-.04	-.06	.08	----	----
	Lower	2.6	----	.02	-.08	-.12	-.15	6.3	-.17
		7.7	.02	-.07	-.17	-.21	-.23	10.9	-.21
		20.2	.03	-.14	-.22	-.28	-.26	23.3	----
		35.2	-.06	-.18	-.22	-.24	-.23	37.9	-.19
		50.2	-.12	-.18	-.20	-.19	-.18	52.6	-.14
		65.2	----	-.17	-.15	-.13	-.12	67.3	-.10
		85.2	-.07	-.05	-.02	-.01	.04	82.5	----
	c_n		----	0	0	0	0	0	----	0
1	Upper	0	----	.22	.12	.10	.06	0	.13
		1.5	----	.01	-.10	-.23	-.26	5.0	-.44
		5.2	0	-.10	-.23	-.30	-.38	8.8	-.50
		10.3	.01	-.15	-.27	-.34	-.40	13.4	-.48
		15.2	.02	-.17	-.27	-.33	-.38	18.6	-.43
		30.3	-.03	-.20	-.27	-.30	-.32	33.0	-.38
		45.3	-.14	-.22	-.25	-.26	-.26	47.9	-.23
		60.3	-.17	-.21	-.20	-.17	-.14	62.5	-.12
		80.3	-.10	-.09	-.07	-.04	-.02	82.0	0
		90.3	-.03	.01	.04	.06	.08	----	----
	Lower	2.6	----	.07	-.02	-.05	-.05	6.3	-.01
		7.7	.02	-.04	-.12	-.14	-.14	10.9	-.08
		20.2	.04	-.12	-.18	-.21	-.20	23.3	----
		35.2	-.04	-.16	-.19	-.21	-.19	37.9	-.14
		50.2	-.11	-.16	-.18	-.17	-.15	52.6	-.09
		65.2	----	-.16	-.13	-.12	-.10	67.3	-.05
		85.2	-.07	-.05	-.02	.01	.03	82.5	----
	c_n		----	.014	.044	.051	.071	.099	----	.163
2	Upper	0	----	.10	.08	.05	-.02	0	-.01
		1.5	----	-.05	-.19	-.36	-.46	5.0	-.75
		5.2	-.01	-.15	-.31	-.41	-.53	8.8	-.69
		10.3	0	-.19	-.33	-.42	-.52	13.4	-.64
		15.2	.01	-.21	-.33	-.40	-.48	18.6	-.66
		30.3	-.05	-.23	-.30	-.35	-.40	33.0	-.55
		45.3	-.16	-.24	-.27	-.28	-.26	47.9	-.28
		60.3	-.19	-.23	-.22	-.20	-.19	62.5	-.18
		80.3	-.11	-.10	-.08	-.05	-.03	82.0	-.03
		90.3	-.04	0	.04	.05	-.07	----	----
	Lower	2.6	----	.10	.03	.01	-.03	6.3	.08
		7.7	.02	-.01	-.08	-.08	-.07	10.9	.02
		20.2	0	-.10	-.15	-.17	-.15	23.3	----
		35.2	-.03	-.14	-.16	-.17	-.15	37.9	-.08
		50.2	-.09	-.15	-.16	-.15	-.12	52.6	-.06
		65.2	----	-.14	-.12	-.10	-.08	67.3	-.02
		85.2	-.06	-.05	-.02	0	0	82.5	----
	c_n		----	.039	.081	.106	.134	.161	----	.321

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TABLE XXIV.- CONTINUED

(b) α_u, 3, 4, 5, 6, 8, 10

α_u	Surface	x/c	P 0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	x/c for 0.90b/2	P 0.90b/2
3	Upper	0	----	0.17	0.03	-0.03	-0.25	0	-0.20
		1.5	----	-.12	-.29	-.51	-.69	5.0	-.94
		5.2	-0.01	-.20	-.39	-.48	-.70	8.8	-.86
		10.3	0	-.23	-.39	-.51	-.65	13.4	-.85
		15.2	.01	-.24	-.38	-.48	-.63	18.6	-.85
		30.3	-.07	-.25	-.34	-.39	-.42	33.0	-.80
		45.3	-.18	-.27	-.30	-.32	-.32	47.9	-.51
		60.3	-.21	-.26	-.24	-.22	-.21	62.5	-.24
		80.3	-.12	-.11	-.08	-.06	-.05	82.0	-.01
		90.3	-.04	0	.04	.05	.06	----	----
	Lower	2.6	----	.14	.07	.06	.07	6.3	.12
		7.7	.04	.03	-.04	-.03	-.01	10.9	.08
		20.2	.06	-.07	-.11	-.14	-.10	23.3	----
		35.2	-.01	-.12	-.14	-.15	-.11	37.9	-.03
		50.2	-.08	-.13	-.14	-.13	-.09	52.6	-.02
		65.2	----	-.13	-.10	-.08	-.06	67.3	0
		85.2	-.06	-.04	-.01	0	.01	82.5	----
	c_n		----	.062	.113	.156	.190	.237	----	.469
4	Upper	0	----	.15	-.02	-.12	-.28	0	-.36
		1.5	----	-.17	-.40	-.65	-.88	5.0	-.86
		5.2	.01	-.23	-.45	-.63	-.86	8.8	-.82
		10.3	.01	-.25	-.45	-.59	-.85	13.4	-.81
		15.2	.02	-.25	-.41	-.56	-.80	18.6	-.79
		30.3	-.07	-.27	-.36	-.40	-.48	33.0	-.74
		45.3	-.18	-.28	-.32	-.35	-.34	47.9	-.65
		60.3	-.22	-.26	-.26	-.22	-.22	62.5	-.55
		80.3	-.14	-.12	-.09	-.07	-.05	82.0	-.40
		90.3	-.04	0	-.03	.05	.04	----	----
	Lower	2.6	----	.17	.10	.08	.10	6.3	.13
		7.7	.03	.06	0	.01	.03	10.9	.12
		20.2	.07	-.04	-.08	-.13	-.06	23.3	----
		35.2	0	-.10	-.11	-.11	-.08	37.9	0
		50.2	-.06	-.11	-.12	-.10	-.07	52.6	0
		65.2	----	-.12	-.09	-.07	-.04	67.3	-.01
		85.2	-.05	-.04	-.01	.01	.03	82.5	----
	c_n		----	.080	.149	.195	.239	.327	----	.631
5	Upper	0	----	.11	-.10	-.23	-.43	0	-.50
		1.5	----	-.85	-.52	-.84	-1.07	5.0	-.71
		5.2	0	-.29	-.55	-.78	-1.04	8.8	-.69
		10.3	.01	-.29	-.52	-.74	-1.04	13.4	-.65
		15.2	.01	-.29	-.47	-.59	-1.01	18.6	-.61
		30.3	-.08	-.29	-.40	-.48	-.59	33.0	-.56
		45.3	-.21	-.30	-.35	-.40	-.35	47.9	-.53
		60.3	-.24	-.29	-.29	-.25	-.20	62.5	-.49
		80.3	-.14	-.12	-.08	-.07	-.07	82.0	-.42
		90.3	-.04	0	.03	.04	.01	----	----
	Lower	2.6	----	.20	.12	.11	.11	6.3	.23
		7.7	.05	.10	.04	.03	.08	10.9	.15
		20.2	.09	-.01	-.05	-.09	-.01	23.3	----
		35.2	.03	-.07	-.08	-.08	-.04	37.9	.03
		50.2	-.04	-.09	-.09	-.07	-.04	52.6	.01
		65.2	----	-.09	-.07	-.05	-.02	67.3	-.01
		85.2	-.04	0	0	.01	.02	82.5	----
	c_n		----	.111	.199	.258	.313	.421	----	.556

α_u	Surface	x/c	P 0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	x/c for 0.90b/2	P 0.90b/2
6	Upper	0	----	0.05	-0.20	-0.35	-0.55	0	-0.49
		1.5	----	-.34	-.68	-1.03	-1.18	5.0	-.51
		5.2	0	-.35	-.66	-.97	-1.12	8.8	-.50
		10.3	.01	-.33	-.60	-.89	-1.11	13.4	-.49
		15.2	.01	-.33	-.52	-.66	-1.10	18.6	-.48
		30.3	.10	-.31	-.43	-.53	-.94	33.0	-.47
		45.3	-.21	-.32	-.38	-.44	-.63	47.9	-.45
		60.3	-.26	-.31	-.31	-.23	-.14	62.5	-.43
		80.3	-.15	-.12	-.10	-.10	-.17	82.0	-.40
		90.3	-.05	-.01	.01	0	-.08	----	----
	Lower	2.6	----	.23	.15	.12	.11	6.3	.14
		7.7	.05	.12	.07	.08	.10	10.9	.16
		20.2	.10	.01	-.02	-.05	.02	23.3	----
		35.2	.04	-.05	-.06	-.05	-.02	37.9	.04
		50.2	-.02	-.07	-.07	-.06	-.02	52.6	.01
		65.2	----	-.08	-.06	-.04	-.01	67.3	-.02
		85.2	-.04	-.03	-.01	0	0	82.5	----
	c_n		----	.126	.228	.305	.372	.569	----	.463
8	Upper	0	----	-.07	-.39	-.55	-.75	0	-.56
		1.5	----	-.53	-.95	-1.19	-1.14	5.0	-.49
		5.2	-.01	-.47	-.92	-1.14	-1.08	8.8	-.49
		10.3	.01	-.40	-.69	-1.12	-1.03	13.4	-.48
		15.2	.01	-.37	-.61	-1.02	-.97	18.6	-.47
		30.3	-.13	-.36	-.50	-.79	-.83	33.0	-.46
		45.3	-.25	-.37	-.46	-.43	-.72	47.9	-.45
		60.3	-.30	-.37	-.33	-.22	-.61	62.5	-.44
		80.3	-.14	-.15	-.15	-.18	-.32	82.0	-.42
		90.3	-.07	-.05	-.04	-.08	-.46	----	----
	Lower	2.6	----	.26	.17	.12	-.01	6.3	.09
		7.7	.07	.18	.13	.13	.13	10.9	.15
		20.2	.12	.07	.04	0	.07	23.3	----
		35.2	.08	0	-.01	0	.03	37.9	.05
		50.2	.02	-.03	-.03	-.02	.01	52.6	.01
		65.2	----	-.05	-.04	-.02	-.01	67.3	-.03
		85.2	-.03	-.03	-.02	-.02	-.04	82.5	----
	c_n		----	.177	.312	.410	.506	.742	----	.456
10	Upper	0	----	-.22	-.57	-.74	-.85	0	-.61
		1.5	----	-.74	-1.14	-1.21	-.85	5.0	-.52
		5.2	-.01	-.66	-1.12	-1.19	-.80	8.8	-.51
		10.3	-.01	-.50	-1.01	-1.19	-.77	13.4	-.51
		15.2	-.02	-.44	-.89	-1.17	-.77	18.6	-.51
		30.3	-.16	-.43	-.53	-1.09	-.74	33.0	-.50
		45.3	-.30	-.43	-.50	-.77	-.69	47.9	-.48
		60.3	-.35	-.42	-.26	-.62	-.63	62.5	-.47
		80.3	-.14	-.26	-.21	-.41	-.56	82.0	-.45
		90.3	-.11	-.10	-.10	-.33	-.53	----	----
	Lower	2.6	----	.29	.16	.10	.07	6.3	.03
		7.7	.09	.23	.18	.17	.17	10.9	.13
		20.2	.16	.12	.10	.06	.12	23.3	----
		35.2	.13	.06	.04	.05	.07	37.9	.06
		50.2	.07	.02	.01	.02	.03	52.6	.02
		65.2	----	-.01	-.01	0	0	67.3	-.02
		85.2	-.01	-.03	-.02	-.03	-.06	82.5	----
	c_n		----	.233	.434	.506	.795	.703	----	.500

TABLE XXIV.- CONCLUDED

(c) α_u, 12, 14, 16, 18

α_u	Surface	x/c	P					x/c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
12	Upper	0	----	-0.37	-0.69	-0.87	-0.67	0	-0.59
		1.5	----	-.92	-1.17	-1.18	-.64	5.0	-.54
		5.2	-0.02	-.83	-1.15	-1.17	-.65	8.8	-.53
		10.3	-.02	-.56	-1.12	-1.16	-.70	13.4	-.53
		15.2	-.03	-.49	-1.09	-1.11	-.71	18.6	-.53
		30.3	-.19	-.46	-.97	-.95	-.70	33.0	-.52
		45.3	-.32	-.48	-.28	-.83	-.66	47.9	-.51
		60.3	-.39	-.37	-.42	-.72	-.62	62.5	-.50
		80.3	-.19	-.42	-.37	-.58	-.58	82.0	-.50
		90.3	-.29	-.17	-.25	-.51	-.56	----	----
	Lower	2.6	----	.31	.15	.08	.06	6.3	-.04
		7.7	.11	.28	.21	.19	.17	10.9	.10
		20.2	.18	.17	.16	.10	.14	23.3	----
		35.2	.16	.10	.08	.08	.09	37.9	.06
		50.2	.10	.05	.04	.05	.04	52.6	.02
		65.2	.06	.01	.01	.01	.01	67.3	-.03
		85.2	0	-.03	-.03	-.04	-.07	82.5	----
	c_n	----	.315	.510	.672	.856	.681	----	.531
14	Upper	0	----	-.49	-.79	-.97	-.72	0	-.57
		1.5	----	-1.05	-1.17	-1.11	-.69	5.0	-.55
		5.2	-.01	-.99	-1.17	-1.06	-.70	8.8	-.54
		10.3	-.01	-.68	-1.17	-.96	-.71	13.4	-.54
		15.2	-.03	-.50	-1.17	-.89	-.70	18.6	-.54
		30.3	-.21	-.48	-1.16	-.89	-.67	33.0	-.53
		45.3	-.34	-.50	-.45	-.84	-.64	47.9	-.53
		60.3	-.41	-.25	-.62	-.75	-.62	62.5	-.52
		80.3	-.27	-.53	-.47	-.63	-.59	82.0	-.53
		90.3	-.41	-.26	-.38	-.59	-.58	----	----
	Lower	2.6	----	.33	.14	.05	.02	6.3	-.08
		7.7	.15	.32	.24	.21	.16	10.9	.08
		20.2	.22	.23	.19	.15	.16	23.3	----
		35.2	.21	.15	.13	.12	.11	37.9	.08
		50.2	.15	.10	.08	.07	.06	52.6	.03
		65.2	.06	.05	.04	.03	.02	67.3	-.02
		85.2	.02	-.02	-.03	-.04	-.06	82.5	----
	c_n	----	.384	.516	.835	.857	.688	----	.542

α_u	Surface	x/c	P					x/c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
16	Upper	0	----	-0.64	-0.91	-0.94	-0.79	0	-0.61
		1.5	----	-1.17	-1.19	-.95	-.78	5.0	-.60
		5.2	-0.02	-1.12	-1.19	-.87	-.77	8.8	-.59
		10.3	-.04	-1.01	-1.21	-.81	-.77	13.4	-.59
		15.2	-.06	-.72	-1.26	-.82	-.76	18.6	-.59
		30.3	-.27	-.54	-1.20	-.92	-.73	33.0	-.58
		45.3	-.38	-.54	-.80	-.89	-.69	47.9	-.57
		60.3	-.44	-.33	-.79	-.81	-.67	62.5	-.57
		80.3	-.39	-.58	-.60	-.70	-.65	82.0	-.58
		90.3	-.51	-.36	-.52	-.66	-.64	----	----
	Lower	2.6	----	.33	.11	.03	-.05	6.3	-.16
		7.7	.17	.37	.26	.22	.14	10.9	.04
		20.2	.26	.27	.23	.18	.17	23.3	----
		35.2	.25	.18	.17	.15	.13	37.9	.08
		50.2	.19	.14	.11	.09	.08	52.6	.04
		65.2	----	.08	.06	.05	.03	67.3	-.02
		85.2	.03	-.01	-.02	-.04	-.06	82.5	----
	c_n	----	.474	.693	.956	.883	.749	----	.580
18	Upper	0	----	-.73	-.98	-1.00	-.78	0	-.63
		1.5	----	-1.23	-1.19	-.98	-.78	5.0	-.63
		5.2	.06	-1.19	-1.20	-.92	-.77	8.8	-.63
		10.3	-.07	-1.15	-1.22	-.87	-.77	13.4	-.63
		15.2	-.08	-.97	-1.22	-.88	-.77	18.6	-.58
		30.3	-.31	-.57	-1.19	-.93	-.75	33.0	-.62
		45.3	-.41	-.58	-.91	-.89	-.73	47.9	-.61
		60.3	-.47	-.46	-.84	-.83	-.71	62.5	-.61
		80.3	-.44	-.56	-.67	-.74	-.69	82.0	-.61
		90.3	-.38	-.45	-.61	-.69	-.67	----	----
	Lower	2.6	----	.33	.08	-.03	-.10	6.3	-.21
		7.7	.21	.40	.28	.22	.14	10.9	.01
		20.2	.29	.32	.27	.20	.19	23.3	----
		35.2	.30	.24	.20	.18	.15	37.9	.09
		50.2	.23	.18	.15	.13	.10	52.6	.05
		65.2	.05	.11	.09	.06	.05	67.3	0
		85.2	.06	.01	0	.03	-.05	82.5	----
	c_n	----	.515	.823	1.064	.941	.798	----	.614

NACA

TABLE XXV.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0008-63 SECTION. M, 0.95; R, 3.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
-3	Upper	0	---	0.22	0.08	-0.01	-0.10	0	-0.31
		1.5	---	.19	.11	.05	.05	5.0	.08
		5.2	0.03	.07	-.01	-.04	-.05	8.8	.05
		10.3	.04	0	-.08	-.11	-.12	13.4	.01
		15.2	.06	-.04	-.11	-.14	-.16	18.6	-.02
		30.3	.05	-.10	-.16	-.18	-.19	33.0	-.04
		45.3	-.07	-.15	-.18	-.20	-.15	47.9	-.03
		60.3	-.13	-.18	-.20	-.16	-.10	62.5	0
		80.3	-.12	-.10	-.05	-.01	.01	82.0	.04
		90.3	-.02	.02	.06	.08	.09	--	---
	Lower	2.6	---	-.11	-.32	-.49	-.73	6.3	-.99
		7.7	.02	-.17	-.35	-.48	-.67	10.9	-.98
		20.2	.03	-.22	-.36	-.48	-.61	23.3	---
		35.2	-.08	-.26	-.33	-.43	-.56	37.9	-.75
		50.2	-.18	-.28	-.33	-.39	-.47	52.6	-.51
		65.2	---	-.31	-.35	-.38	-.29	67.3	-.30
		85.2	-.24	-.10	0	.05	.07	82.5	---
	c_n	--	-.072	-.120	-.160	-.220	-.289	--	-.527
-2	Upper	0	---	.24	.12	.06	-.02	0	-.15
		1.5	---	.17	.08	.01	.02	5.0	.07
		5.2	.03	.04	-.05	-.04	-.10	8.8	.01
		10.3	.03	-.03	-.12	-.11	-.17	13.4	-.04
		15.2	.06	-.07	-.15	-.18	-.21	18.6	-.06
		30.3	.04	-.12	-.19	-.21	-.22	33.0	-.07
		45.3	-.09	-.17	-.20	-.23	-.18	47.9	-.05
		60.3	-.14	-.19	-.22	-.18	-.11	62.5	0
		80.3	-.13	-.09	-.04	.01	.03	82.0	.06
		90.3	-.02	.03	.07	.10	.11	--	---
	Lower	2.6	---	-.06	-.24	-.36	-.55	6.3	-.93
		7.7	.02	-.13	-.29	-.39	-.54	10.9	-.84
		20.2	.04	-.19	-.31	-.40	-.51	23.3	---
		35.2	-.07	-.23	-.31	-.38	-.47	37.9	-.51
		50.2	-.16	-.25	-.30	-.37	-.44	52.6	-.19
		65.2	---	-.28	-.32	-.32	-.16	67.3	-.08
		85.2	-.18	-.06	.02	.05	-.08	82.5	---
	c_n	--	-.054	-.062	-.119	-.154	-.197	--	-.339
-1	Upper	0	---	.25	.13	.09	.04	0	.04
		1.5	---	.13	.03	-.05	-.04	5.0	-.02
		5.2	.02	0	-.10	-.15	-.18	8.8	-.11
		10.3	.02	-.06	-.16	-.22	-.25	13.4	-.16
		15.2	.05	-.10	-.19	-.24	-.27	18.6	-.17
		30.3	.02	-.15	-.22	-.24	-.28	33.0	-.14
		45.3	-.11	-.19	-.22	-.26	-.24	47.9	-.10
		60.3	-.16	-.21	-.25	-.22	-.17	62.5	-.04
		80.3	-.16	-.12	-.06	0	.04	82.0	.04
		90.3	-.02	.03	.07	.05	.11	--	---
	Lower	2.6	---	-.01	-.16	-.24	-.36	6.3	-.32
		7.7	.02	-.10	-.24	-.31	-.40	10.9	-.51
		20.2	.04	-.17	-.27	-.36	-.42	23.3	---
		35.2	.06	-.21	-.29	-.34	-.40	37.9	-.32
		50.2	-.17	-.24	-.29	-.33	-.36	52.6	-.19
		65.2	---	-.27	-.30	-.29	-.18	67.3	-.07
		85.2	-.17	-.07	.01	.05	.07	82.5	---
	c_n	--	-.026	.039	-.059	-.081	-.090	--	-.163
0	Upper	0	---	0.25	0.14	0.10	0.06	0	0.11
		1.5	---	.08	-.03	-.14	-.15	5.0	-.19
		5.2	0.02	-.04	-.17	-.23	-.29	8.8	-.29
		10.3	.02	-.10	-.22	-.29	-.34	13.4	-.32
		15.2	.04	-.13	-.23	-.30	-.36	18.6	-.30
		30.3	.01	-.18	-.26	-.30	-.35	33.0	-.23
		45.3	-.13	-.22	-.26	-.30	-.30	47.9	-.15
		60.3	-.19	-.24	-.27	-.26	-.20	62.5	-.08
		80.3	-.18	-.13	-.05	.03	.05	82.0	.05
		90.3	-.02	.03	.08	.11	.12	--	---
	Lower	2.6	---	.04	-.09	-.15	-.21	6.3	-.23
		7.7	.03	-.06	-.18	-.23	-.29	10.9	-.26
		20.2	.05	-.14	-.23	-.30	-.35	23.3	---
		35.2	-.04	-.18	-.25	-.30	-.33	37.9	-.20
		50.2	-.12	-.21	-.26	-.29	-.27	52.6	-.13
		65.2	---	-.25	-.27	-.24	-.14	67.3	-.07
		85.2	-.14	-.04	.02	.06	.08	82.5	---
	c_n	--	0	0	0	0	0	--	0
1	Upper	0	---	.24	.13	.09	.03	0	.10
		1.5	---	.08	-.09	-.23	-.29	5.0	-.47
		5.2	.01	-.08	-.22	-.31	-.41	8.8	-.54
		10.3	.02	-.13	-.27	-.36	-.44	13.4	-.51
		15.2	.04	-.16	-.27	-.35	-.44	18.6	-.45
		30.3	-.01	-.20	-.29	-.34	-.41	33.0	-.42
		45.3	-.15	-.24	-.28	-.33	-.36	47.9	-.19
		60.3	-.20	-.26	-.30	-.31	-.20	62.5	-.08
		80.3	-.20	-.14	-.05	.02	.03	82.0	.04
		90.3	-.02	.04	.08	.10	.11	--	---
	Lower	2.6	---	.08	-.03	.07	-.10	6.3	-.04
		7.7	.03	-.02	-.13	-.17	-.20	10.9	-.10
		20.2	.06	-.11	-.20	-.25	-.28	23.3	---
		35.2	-.03	-.17	-.23	-.26	-.27	37.9	-.12
		50.2	-.11	-.19	-.23	-.26	-.20	52.6	-.07
		65.2	---	-.22	-.23	-.19	-.10	67.3	-.01
		85.2	-.10	-.04	.01	.04	.07	82.5	---
	c_n	--	.026	.039	.044	.062	.107	--	.148
2	Upper	0	---	.23	.09	.05	-.04	0	-.04
		1.5	---	-.02	-.17	-.34	-.46	5.0	-.80
		5.2	.01	-.12	-.29	-.41	-.57	8.8	-.81
		10.3	.02	-.16	-.33	-.44	-.58	13.4	-.76
		15.2	.03	-.18	-.33	-.42	-.55	18.6	-.73
		30.3	-.02	-.22	-.32	-.39	-.50	33.0	-.72
		45.3	-.16	-.26	-.31	-.38	-.46	47.9	-.39
		60.3	-.22	-.28	-.33	-.35	-.28	62.5	-.10
		80.3	-.24	-.20	-.09	.01	.04	82.0	.05
		90.3	-.03	.03	.08	.11	.12	--	---
	Lower	2.6	---	.13	.03	-.01	-.03	6.3	.04
		7.7	.03	.01	-.08	-.11	-.14	10.9	-.02
		20.2	.07	-.09	-.16	-.21	-.23	23.3	---
		35.2	-.02	-.15	-.19	-.23	-.24	37.9	-.07
		50.2	-.10	-.17	-.21	-.24	-.18	52.6	-.03
		65.2	---	-.21	-.22	-.18	-.10	67.3	0
		85.2	-.14	-.05	0	-.04	.07	82.5	---
	c_n	--	.054	.062	.106	.136	.190	--	.354

NACA

TABLE XXV.- CONCLUDED

(b) α_u, 3, 4, 5, 6, 8, 10, 12

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
3	Upper	0	---	0.20	0.05	-0.03	-0.16	0	-0.21
		1.5	---	-.10	-.28	-.49	-.69	5.0	-1.02
		5.2	0.01	-.18	-.37	-.52	-.75	8.8	-.95
		10.3	.02	-.20	-.38	-.52	-.71	13.4	-.93
		15.2	.03	-.22	-.38	-.49	-.68	18.6	-.91
		30.3	-.04	-.25	-.35	-.45	-.60	33.0	-.82
		45.3	-.18	-.28	-.34	-.39	-.47	47.9	-.66
		60.3	-.23	-.30	-.35	-.38	-.28	62.5	-.45
		80.3	-.24	-.16	-.06	0	.02	82.0	-.21
		90.3	-.02	.04	.08	.10	.10	--	---
	Lower	2.6	---	.16	.07	.05	.04	6.3	.10
		7.7	.04	.05	-.03	-.04	-.05	10.9	.06
		20.2	.09	-.05	-.12	-.16	-.15	23.3	---
		35.2	.01	-.11	-.15	-.18	-.15	37.9	-.03
		50.2	-.07	-.16	-.17	-.17	-.11	52.6	-.01
		65.2	---	-.17	-.15	-.10	-.06	67.3	.01
		82.5	-.07	-.04	0	.02	.04	82.5	---
	c_n		--	.072	.120	.165	.217	.300	--	.595
4	Upper	0	---	.17	-.01	-.11	-.27	0	-.37
		1.5	---	-.15	-.38	-.65	-.87	5.0	-.79
		5.2	.01	-.22	-.45	-.64	-.91	8.8	-.74
		10.3	.02	-.23	-.43	-.60	-.87	13.4	-.70
		15.2	.04	-.24	-.42	-.58	-.87	18.6	-.67
		30.3	-.09	-.28	-.37	-.46	-.58	33.0	-.60
		45.3	-.18	-.29	-.35	-.42	-.51	47.9	-.52
		60.3	-.24	-.30	-.36	-.41	-.34	62.5	-.47
		80.3	-.26	-.19	-.08	-.01	-.02	82.0	-.40
		90.3	-.03	-.04	.08	.09	.06	--	---
	Lower	2.6	---	.20	.12	.09	.08	6.3	.11
		7.7	.06	.09	.02	.01	0	10.9	.11
		20.2	.12	-.02	-.10	-.14	-.09	23.3	---
		35.2	.03	-.08	-.11	-.14	-.11	37.9	.01
		50.2	-.04	-.13	-.14	-.13	-.08	52.6	.01
		65.2	---	-.14	-.12	-.08	-.04	67.3	.01
		82.5	-.06	-.03	0	.02	.04	82.5	---
	c_n		--	.107	.174	.209	.279	.368	--	.541
5	Upper	0	---	.13	-.09	-.21	-.39	0	-.45
		1.5	---	-.23	-.50	-.84	-1.01	5.0	-.61
		5.2	0	-.28	-.56	-.80	-1.05	8.8	-.59
		10.3	.02	-.27	-.52	-.73	-1.05	13.4	-.57
		15.2	.03	-.28	-.48	-.64	-1.05	18.6	-.56
		30.3	-.07	-.30	-.48	-.52	-.81	33.0	-.51
		45.3	-.21	-.32	-.40	-.48	-.54	47.9	-.46
		60.3	-.26	-.33	-.40	-.46	-.35	62.5	-.42
		80.3	-.29	-.28	-.14	-.05	-.15	82.0	-.37
		90.3	-.06	.01	.06	.05	-.05	--	---
	Lower	2.6	---	.22	.13	.10	.08	6.3	.10
		7.7	.05	.11	.04	.03	.03	10.9	.11
		20.2	.12	0	-.05	-.12	-.07	23.3	---
		35.2	.04	-.07	-.10	-.12	-.09	37.9	.01
		50.2	-.04	-.10	-.13	-.13	-.08	52.6	-.01
		65.2	---	-.14	-.12	-.09	-.05	67.3	-.02
		82.5	-.08	-.05	-.02	-.01	0	82.5	---
	c_n		--	.130	.218	.267	.343	.497	--	.463

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
6	Upper	0	---	0.06	-0.20	-0.34	-0.52	0	-0.50
		1.5	---	-.34	-.68	-1.02	-1.11	5.0	-.53
		5.2	0	-.35	-.69	-1.00	-1.10	8.8	-.52
		10.3	.01	-.33	-.63	-.99	-1.08	13.4	-.52
		15.2	.02	-.31	-.54	---	-1.06	18.6	-.51
		30.3	-.09	-.33	-.47	-.58	-.88	33.0	-.48
		45.3	-.23	-.35	-.44	-.53	-.73	47.9	-.45
		60.3	-.29	-.37	-.44	-.44	-.61	62.5	-.43
		80.3	-.32	-.32	-.17	-.16	-.47	82.0	-.40
		90.3	-.10	-.01	.01	-.09	-.39	--	---
	Lower	2.6	---	.25	.15	.11	.08	6.3	.08
		7.7	.06	.14	.08	.07	.06	10.9	.11
		20.2	.12	.03	-.02	-.08	-.02	23.3	---
		35.2	.06	-.04	-.07	-.09	-.06	37.9	.01
		50.2	-.01	-.08	-.10	-.10	-.06	52.6	-.02
		65.2	---	-.12	-.10	-.08	-.05	67.3	-.04
		82.5	-.08	-.07	-.04	-.04	-.04	82.5	---
	c_n		--	.155	.259	.344	.459	.699	--	.447
8	Upper	0	---	-.05	-.36	-.50	-.70	0	-.60
		1.5	---	-.50	-.92	-1.19	-.87	5.0	-.53
		5.2	0.	-.46	-.94	-1.14	-.82	8.8	-.53
		10.3	.01	-.40	-.73	-1.15	-.77	13.4	-.53
		15.2	.02	-.37	-.64	-1.13	-.75	18.6	-.52
		30.3	-.12	-.37	-.52	-.89	-.69	33.0	-.51
		45.3	-.25	-.39	-.50	-.35	-.64	47.9	-.49
		60.3	-.33	-.41	-.46	-.47	-.60	62.5	-.47
		80.3	-.34	-.32	-.32	-.37	-.53	82.0	-.45
		90.3	-.13	-.09	-.10	-.27	-.50	--	---
	Lower	2.6	---	.27	.17	.12	.07	6.3	.04
		7.7	.08	.19	.13	.12	.10	10.9	.11
		20.2	.15	.08	.04	-.02	.04	23.3	---
		35.2	.10	.01	-.02	-.03	-.01	37.9	.01
		50.2	.03	-.04	-.06	-.05	-.04	52.6	-.02
		65.2	---	-.08	-.07	-.06	-.05	67.3	-.05
		82.5	-.07	-.08	-.07	-.07	-.07	82.5	---
	c_n		--	.200	.350	.447	.631	.817	--	.470
10	Upper	0	---	-.17	-.49	-.65	-.84	0	-.67
		1.5	---	-.69	-1.05	-1.12	-.93	5.0	-.58
		5.2	.01	-.62	-1.05	-1.10	-.90	8.8	-.58
		10.3	.02	-.47	-1.02	-1.11	-.86	13.4	-.58
		15.2	.02	-.42	-.90	-1.12	-.83	18.6	-.58
		30.3	-.14	-.41	-.56	-1.09	-.76	33.0	-.58
		45.3	-.28	-.43	-.51	-.97	-.73	47.9	-.56
		60.3	-.36	-.45	-.49	-.82	-.70	62.5	-.56
		80.3	-.39	-.40	-.45	-.55	-.64	82.0	-.56
		90.3	-.33	-.31	-.30	-.51	-.62	--	---
	Lower	2.6	---	.31	.18	.11	.05	6.3	-.01
		7.7	.09	.24	.17	.15	.12	10.9	.08
		20.2	.17	.12	.09	.03	.07	23.3	---
		35.2	.13	.05	.02	0	.02	37.9	.01
		50.2	.06	0	-.03	-.03	-.03	52.6	-.02
		65.2	---	-.05	-.05	-.05	-.05	67.3	-.06
		82.5	-.06	-.09	-.09	-.10	-.09	82.5	---
	c_n		--	.273	.441	.566	.798	.786	--	.534

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
12	Upper	0	---	-0.30	-0.60	-0.75	-0.88	0	-0.73
		1.5	---	-.83	-.99	-.97	-.95	5.0	-.69
		5.2	0	-.77	-.95	-.97	-.95	8.8	-.67
		10.3	.02	-.51	-.97	-.97	-.94	13.4	-.67
		15.2	.02	-.45	-.97	-.97	-.92	18.6	-.64
		30.3	-.16	-.43	-.97	-.99	-.90	33.0	-.61
		45.3	-.30	-.45	-.43	-1.02	-.87	47.9	-.60
		60.3	-.37	-.48	-.50	-1.04	-.86	62.5	-.63
		80.3	-.40	-.52	-.54	-.64	-.81	82.0	-.65
		90.3	-.47	-.48	-.21	-.23	-.76	--	---
	Lower	2.6	---	.34	.17	.09	.02	6.3	-.09
		7.7	.13	.30	.22	.18	.13	10.9	.06
		20.2	.21	.18	.14	.09	.10	23.3	---
		35.2	.18	.10	.08	.06	.05	37.9	.05
		50.2	.11	.07	.03	.02	.01	52.6	.02
		65.2	.07	0	-.01	-.02	-.02	67.3	-.02
		82.5	.03	-.06	-.07	-.07	-.07	82.5	---
	c_n		--	.356	.559	.682	.871	.874	--	.616

TABLE XXVI.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0008-63 SECTION. M, 0.11; R, 5.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	x/c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	x/c for 0.90b/2	P 0.90b/2
-3	Upper	0	----	0.13	0.14	0.07	-0.13	0	-0.46
		1.5	----	.13	.07	.10	.11	5.0	.11
		5.2	-0.01	.02	.01	.02	.05	8.8	.09
		10.3	-.01	-.03	-.05	.04	-.01	13.4	.04
		15.2	-.01	-.07	-.07	.06	-.04	18.6	.01
		30.3	-.02	-.09	-.10	-.09	-.07	33.0	-.03
		45.3	-.06	-.10	-.10	-.09	-.07	47.9	-.05
		60.3	-.07	-.09	-.09	-.07	-.06	62.5	-.04
		80.3	-.03	-.04	-.03	-.02	-.02	82.0	0
		90.3	-.02	.01	.02	.03	.02	----	----
	Lower	2.6	----	-.22	-.37	-.46	-.62	6.3	-.95
		7.7	-.05	-.24	-.33	-.38	-.49	10.9	-.69
		20.2	-.05	-.22	-.27	-.37	-.37	23.3	----
		35.2	-.11	-.19	-.22	-.24	-.27	37.9	-.35
		50.2	-.12	-.16	-.17	-.18	-.20	52.6	-.25
		65.2	----	-.13	-.13	-.13	-.14	67.3	-.17
		85.2	-.06	-.06	-.05	-.04	-.04	82.5	----
-2	Upper	0	----	.17	.20	.15	.03	0	-.14
		1.5	----	.10	.06	.06	.08	5.0	.10
		5.2	-.01	-.01	-.03	-.03	0	8.8	.04
		10.3	-.02	-.06	-.08	-.08	-.07	13.4	-.02
		15.2	-.01	-.09	-.10	-.09	-.09	18.6	-.05
		30.3	-.03	-.10	-.12	-.12	-.10	33.0	-.07
		45.3	-.08	-.11	-.12	-.11	-.10	47.9	-.07
		60.3	-.08	-.10	-.10	-.08	-.07	62.5	-.05
		80.3	-.04	-.05	-.04	-.02	-.02	82.0	0
		90.3	-.03	0	.02	.02	.02	----	----
	Lower	2.6	----	-.15	-.27	-.33	-.42	6.3	-.64
		7.7	-.05	-.19	-.27	-.30	-.38	10.9	-.50
		20.2	-.04	-.19	-.23	-.32	-.31	23.3	----
		35.2	-.09	-.18	-.19	-.21	-.24	37.9	-.27
		50.2	-.11	-.15	-.16	-.16	-.18	52.6	-.20
		65.2	----	-.13	-.12	-.12	-.11	67.3	-.14
		85.2	-.05	-.05	-.04	-.04	-.03	82.5	----
-1	Upper	0	----	.20	.23	.19	.10	0	.10
		1.5	----	.07	.02	.02	.04	5.0	.04
		5.2	-.01	-.04	-.07	-.08	-.07	8.8	-.05
		10.3	-.02	-.08	-.12	-.13	-.12	13.4	-.10
		15.2	-.01	-.11	-.13	-.13	-.13	18.6	-.12
		30.3	-.04	-.12	-.14	-.14	-.12	33.0	-.10
		45.3	-.07	-.12	-.12	-.12	-.11	47.9	-.09
		60.3	-.08	-.10	-.10	-.09	-.09	62.5	-.07
		80.3	-.04	-.05	-.04	-.03	-.03	82.0	-.01
		90.3	-.03	.01	.02	.01	.02	----	----
	Lower	2.6	----	-.09	-.18	-.21	-.29	6.3	-.39
		7.7	-.03	-.15	-.21	-.25	-.27	10.9	-.34
		20.2	-.03	-.17	-.20	-.28	-.25	23.3	----
		35.2	-.08	-.16	-.17	-.18	-.20	37.9	-.24
		50.2	-.10	-.14	-.16	-.14	-.15	52.6	-.17
		65.2	----	-.11	-.11	-.10	-.10	67.3	-.11
		85.2	-.05	-.05	-.04	-.03	-.01	82.5	----
0	Upper	0	----	0.20	0.24	0.21	0.13	0	0.16
		1.5	----	.02	-.05	-.07	-.07	5.0	-.11
		5.2	-0.02	-.09	-.13	-.16	-.17	8.8	-.19
		10.3	-.03	-.12	-.17	-.19	-.21	13.4	-.22
		15.2	-.02	-.14	-.17	-.18	-.20	18.6	-.21
		30.3	-.07	-.14	-.17	-.17	-.17	33.0	-.17
		45.3	-.09	-.13	-.14	-.14	-.14	47.9	-.14
		60.3	-.09	-.12	-.12	-.10	-.10	62.5	-.09
		80.3	-.05	-.06	-.05	-.04	-.04	82.0	-.03
		90.3	-.03	0	.01	.02	.02	----	----
	Lower	2.6	----	-.03	-.09	-.10	-.12	6.3	-.17
		7.7	-.03	-.11	-.15	-.16	-.18	10.9	-.19
		20.2	-.02	-.14	-.17	-.24	-.20	23.3	----
		35.2	-.06	-.14	-.16	-.16	-.17	37.9	-.18
		50.2	-.09	-.13	-.13	-.12	-.13	52.6	-.13
		65.2	----	-.11	-.01	-.09	-.09	67.3	-.09
		85.2	-.05	-.05	-.04	-.02	-.01	82.5	----
1	Upper	0	----	.19	.22	.19	.10	0	.13
		1.5	----	-.05	-.12	-.18	-.21	5.0	-.33
		5.2	-.03	-.14	-.20	-.24	-.28	8.8	-.38
		10.3	-.03	-.16	-.22	-.26	-.29	13.4	-.37
		15.2	-.03	-.18	-.21	-.23	-.27	18.6	-.32
		30.3	-.07	-.16	-.19	-.20	-.21	33.0	-.23
		45.3	-.10	-.16	-.16	-.17	-.17	47.9	-.19
		60.3	-.10	-.12	-.13	-.12	-.12	62.5	-.11
		80.3	-.06	-.06	-.06	-.04	-.05	82.0	-.04
		90.3	-.03	-.01	.01	.02	.01	----	----
	Lower	2.6	----	.02	-.02	-.02	-.02	6.3	-.01
		7.7	-.02	-.06	-.10	-.09	-.10	10.9	-.07
		20.2	-.01	-.12	-.13	-.20	-.15	23.3	----
		35.2	-.05	-.13	-.13	-.13	-.14	37.9	-.13
		50.2	-.08	-.12	-.11	-.10	-.11	52.6	-.10
		65.2	----	-.10	-.09	-.07	-.07	67.3	-.07
		85.2	-.04	-.04	-.03	-.02	0	82.5	----
2	Upper	0	----	.16	.19	.14	.02	0	.02
		1.5	----	-.11	-.19	-.29	-.37	5.0	-.58
		5.2	-.04	-.19	-.27	-.33	-.39	8.8	-.57
		10.3	-.04	-.19	-.27	-.31	-.38	13.4	-.51
		15.2	-.04	-.21	-.26	-.28	-.33	18.6	-.44
		30.3	-.08	-.19	-.22	-.23	-.26	33.0	-.28
		45.3	-.12	-.17	-.18	-.19	-.19	47.9	-.22
		60.3	-.12	-.14	-.14	-.14	-.14	62.5	-.16
		80.3	-.06	-.07	-.06	-.06	-.06	82.0	-.06
		90.3	-.04	-.01	0	.01	0	----	----
	Lower	2.6	----	.06	.02	.04	.05	6.3	.08
		7.7	-.02	-.04	-.06	-.05	-.04	10.9	.02
		20.2	0	-.10	-.11	-.17	-.11	23.3	----
		35.2	-.04	-.11	-.12	-.12	-.11	37.9	-.09
		50.2	-.06	-.11	-.10	-.09	-.09	52.6	-.07
		65.2	----	-.09	-.08	-.06	-.06	67.3	-.05
		85.2	-.04	-.04	-.03	-.01	0	82.5	----

NACA

TABLE XXVI.- CONTINUED

(b) α_u, 3, 4, 6, 8, 10, 12

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
3	Upper	0	----	0.12	0.11	0.03	-0.15	0	-0.28
		1.5	----	-.19	-.31	-.45	-.60	5.0	-.97
		5.2	-0.04	-.24	-.35	-.43	-.55	8.8	-.83
		10.3	-.05	-.23	-.33	-.39	-.48	13.4	-.73
		15.2	-.04	-.23	-.30	-.35	-.41	18.6	-.63
		30.3	-.09	-.20	-.24	-.27	-.29	33.0	-.37
		45.3	-.13	-.18	-.19	-.21	-.22	47.9	-.28
		60.3	-.12	-.14	-.15	-.15	-.16	62.5	-.19
		80.3	-.07	-.08	-.07	-.06	-.08	82.0	-.08
		90.3	-.04	-.02	-.01	0	-.01	----	----
	Lower	2.6	----	.10	.08	.10	.11	6.3	.12
		7.7	-.01	0	-.01	.01	.03	10.9	.07
		20.2	.01	-.07	-.07	-.13	-.05	23.3	----
		35.2	-.03	-.09	-.09	-.08	-.07	37.9	-.04
		50.2	-.05	-.09	-.08	-.07	-.06	52.6	-.04
		65.2	----	-.08	-.06	-.05	-.04	67.3	-.03
		85.2	-.04	-.04	-.03	-.01	.01	82.5	----
4	Upper	0	----	.17	.01	-.13	-.36	0	-.68
		1.5	----	-.28	-.44	-.61	-.86	5.0	-1.37
		5.2	-.04	-.29	-.43	-.53	-.71	8.8	-1.16
		10.3	-.05	-.28	-.38	-.46	-.59	13.4	-.96
		15.2	-.06	-.27	-.35	-.40	-.47	18.6	-.68
		30.3	-.10	-.21	-.27	-.30	-.34	33.0	-.45
		45.3	-.14	-.19	-.21	-.23	-.26	47.9	-.33
		60.3	-.14	-.15	-.16	-.16	-.19	62.5	-.23
		80.3	-.08	-.08	-.08	-.07	-.08	82.0	-.10
		90.3	-.04	-.02	0	0	-.01	----	----
	Lower	2.6	----	.14	.11	.13	.13	6.3	.11
		7.7	0	.04	.04	.06	.08	10.9	.12
		20.2	.02	-.04	-.04	-.09	-.01	23.3	----
		35.2	-.01	-.06	-.06	-.05	-.04	37.9	0
		50.2	-.04	-.08	-.06	-.05	-.04	52.6	-.01
		65.2	----	-.06	-.04	-.03	-.03	67.3	-.01
		85.2	-.03	-.03	-.02	0	.01	82.5	----
6	Upper	0	----	-.09	-.30	-.54	-.98	0	-1.85
		1.5	----	-.47	-.74	-.98	-1.47	5.0	-2.38
		5.2	-.05	-.41	-.60	-.78	-1.03	8.8	-2.83
		10.3	-.06	-.35	-.51	-.62	-.82	13.4	-1.31
		15.2	-.07	-.33	-.44	-.52	-.65	18.6	-1.01
		30.3	-.12	-.26	-.32	-.37	-.44	33.0	-.62
		45.3	-.16	-.21	-.24	-.27	-.32	47.9	-.45
		60.3	-.14	-.17	-.19	-.19	-.22	62.5	-.31
		80.3	-.08	-.09	-.08	-.08	-.11	82.0	-.16
		90.3	-.05	-.02	-.01	-.01	-.03	----	----
	Lower	2.6	----	.18	.15	.14	.10	6.3	-.06
		7.7	.02	.09	.09	.11	.13	10.9	.12
		20.2	.04	.01	.01	-.03	.05	23.3	----
		35.2	.02	-.03	-.03	-.01	.01	37.9	.06
		50.2	-.01	-.04	-.03	-.02	0	52.6	.03
		65.2	----	-.04	-.03	-.01	0	67.3	.02
		85.2	-.01	-.02	-.01	.01	.02	82.5	----

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
8	Upper	0	----	-0.31	-0.71	-1.11	-1.86	0	-3.53
		1.5	----	-.69	-1.12	-1.46	-2.26	5.0	-3.72
		5.2	-0.05	-.53	-.80	-1.05	-1.41	8.8	-2.42
		10.3	-.07	-.43	-.64	-.80	-1.08	13.4	-1.78
		15.2	-.08	-.38	-.53	-.65	-.84	18.6	-1.33
		30.3	-.14	-.29	-.37	-.44	-.54	33.0	-.87
		45.3	-.17	-.24	-.27	-.32	-.39	47.9	-.67
		60.3	-.15	-.18	-.20	-.21	-.27	62.5	-.46
		80.3	-.08	-.10	-.10	-.10	-.14	82.0	-.30
		90.3	-.04	-.02	-.02	-.02	-.05	----	----
	Lower	2.6	----	.22	.13	.07	-.04	6.3	-.41
		7.7	.05	.14	.14	.14	.04	10.9	.05
		20.2	.05	.06	.07	.03	.09	23.3	----
		35.2	.06	.01	.02	.04	.06	37.9	.11
		50.2	.02	-.01	0	.02	.04	52.6	.06
		65.2	----	-.02	0	.01	.03	67.3	.03
		85.2	.01	0	.01	.02	.03	82.5	----
10	Upper	0	----	-.59	-1.21	-1.81	-2.99	0	-5.36
		1.5	----	-.95	-1.57	-2.03	-3.20	5.0	-5.05
		5.2	-.06	-.67	-1.03	-1.37	-1.90	8.8	-2.89
		10.3	-.08	-.51	-.78	-1.00	-1.38	13.4	-2.17
		15.2	-.09	-.44	-.63	-.79	-1.06	18.6	-1.85
		30.3	-.15	-.32	-.42	-.51	-.66	33.0	-1.39
		45.3	-.18	-.27	-.31	-.37	-.47	47.9	-1.12
		60.3	-.16	-.20	-.22	-.25	-.34	62.5	-.93
		80.3	-.08	-.11	-.11	-.12	-.18	82.0	-.71
		90.3	-.05	-.02	-.03	-.03	-.09	----	----
	Lower	2.6	----	.22	.07	-.06	-.29	6.3	-.76
		7.7	.07	.19	.16	.16	.10	10.9	0
		20.2	.10	.10	.11	.07	.13	23.3	----
		35.2	.09	.05	.06	.07	.10	37.9	.14
		50.2	.06	.02	.04	.05	.07	52.6	.07
		65.2	----	.01	.02	.04	.05	67.3	.02
		85.2	.03	.02	.02	.03	.03	82.5	----
12	Upper	0	----	-.91	-1.81	-2.68	-4.33	0	-1.58
		1.5	----	-1.23	-2.08	-2.69	-4.29	5.0	-1.22
		5.2	-.07	-.81	-1.27	-1.70	-2.40	8.8	-1.18
		10.3	-.09	-.60	-.93	-1.21	-1.68	13.4	-1.14
		15.2	-.11	-.50	-.74	-.94	-1.25	18.6	-1.10
		30.3	-.18	-.37	-.48	-.60	-.84	33.0	-1.04
		45.3	-.20	-.31	-.35	-.43	-.60	47.9	-.98
		60.3	-.17	-.21	-.26	-.30	-.42	62.5	-.91
		80.3	-.08	-.10	-.14	-.15	-.29	82.0	-.80
		90.3	-.05	-.02	-.05	-.06	-.17	----	----
	Lower	2.6	----	.20	-.05	-.26	-.62	6.3	-.34
		7.7	.09	-.23	.18	.14	.33	10.9	.07
		20.2	.14	.15	.15	.11	.16	23.3	----
		35.2	.12	.09	-.14	.11	.14	37.9	.13
		50.2	.09	.06	.07	.09	.10	52.6	.06
		65.2	----	.04	.05	.06	.07	67.3	-.01
		85.2	.05	.04	.04	.04	.02	82.5	----

NACA

TABLE XXVI.- CONCLUDED

(c) α_u, 14, 16, 18, 20, 22, 24

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
14	Upper	0	----	-1.28	-2.49	-3.66	-5.78	0	-1.07
		1.5	----	-1.52	-2.63	-3.40	-5.44	5.0	-1.04
		5.2	-0.08	-.93	-1.52	-2.05	-2.82	8.8	-1.03
		10.3	-.11	-.68	-1.07	-1.40	-1.82	13.4	-1.02
		15.2	-.13	-.56	-.83	-1.07	-1.36	18.6	-1.00
		30.3	-.20	-.43	-.53	-.71	-1.36	33.0	-.95
		45.3	-.21	-.31	-.44	-.50	-.67	47.9	-.92
		60.3	-.19	-.21	-.32	-.35	-.75	62.5	-.85
		80.3	-.08	-.11	-.19	-.23	-.51	82.0	-.77
		90.3	-.05	-.03	-.08	-.14	-.33	----	----
	Lower	2.6	----	.16	-.20	-.52	-1.00	6.3	-.36
		7.7	.12	.26	.17	.09	-.06	10.9	.02
		20.2	.16	.19	.19	.14	.19	23.3	----
		35.2	.16	.13	.14	.15	.18	37.9	.12
		50.2	.12	.09	.10	.12	.12	52.6	.05
		65.2	----	.06	.07	.08	.07	67.3	-.03
		85.2	.06	.05	.04	.04	-.01	82.5	----
16	Upper	0	----	-1.72	-3.28	-4.80	-6.71	0	-.89
		1.5	----	-1.84	-3.27	-3.83	-5.90	5.0	-.90
		5.2	-.33	-1.10	-1.78	-2.38	-2.88	8.8	-.89
		10.3	-.36	-.74	-1.21	-1.53	-1.58	13.4	-.88
		15.2	-.39	-.62	-.89	-1.17	-1.51	18.6	-.86
		30.3	-.46	-.50	-.65	-.99	-1.33	33.0	-.83
		45.3	-.47	-.30	-.51	-.47	-1.02	47.9	-.79
		60.3	-.43	-.22	-.37	-.49	-.96	62.5	-.76
		80.3	-.08	-.14	-.24	-.42	-.83	82.0	-.72
		90.3	-.05	-.05	-.12	-.30	-.69	----	----
	Lower	2.6	----	.10	-.40	-.83	-1.25	6.3	-.37
		7.7	.15	.28	.13	.03	-.08	10.9	.02
		20.2	.20	.23	.22	.18	.24	23.3	----
		35.2	.20	.17	.18	.19	.20	37.9	.09
		50.2	.16	.13	.14	.15	.10	52.6	.03
		65.2	----	.10	.10	.10	.07	67.3	-.05
		85.2	.09	.06	.05	.02	-.06	82.5	----
18	Upper	0	----	-2.19	-4.14	-5.92	-3.95	0	-.87
		1.5	----	-2.18	-3.93	-4.15	-1.49	5.0	-.88
		5.2	-.11	-1.24	-2.04	-2.49	-1.25	8.8	-.87
		10.3	-.15	-.82	-1.31	-1.49	-1.21	13.4	-.85
		15.2	-.18	-.71	-1.01	-1.45	-1.14	18.6	-.84
		30.3	-.24	-.54	-.87	-1.93	-1.05	33.0	-.80
		45.3	-.23	-.30	-.50	-.41	-.98	47.9	-.77
		60.3	-.17	-.25	-.41	-.76	-.92	62.5	-.75
		80.3	-.10	-.19	-.36	-.63	-.86	82.0	-.70
		90.3	-.07	-.10	-.23	-.44	-.80	----	----
	Lower	2.6	----	.01	-.65	-1.18	-.80	6.3	-.43
		7.7	.18	.28	.11	-.04	.07	10.9	-.05
		20.2	.24	.28	.26	.21	.25	23.3	----
		35.2	.24	.21	.21	.23	.20	37.9	.09
		50.2	.61	.16	.17	.17	.13	52.6	.03
		65.2	----	.13	.12	.11	.06	67.3	-.06
		85.2	.10	.08	.05	.01	-.11	82.5	----

α_u	Surface	%c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	%c for 0.90b/2	P 0.90b/2
20	Upper	0	----	-2.71	-5.09	-6.86	-1.17	0	-0.87
		1.5	----	-2.54	-4.65	-4.23	-1.07	5.0	-.88
		5.2	-0.13	-1.37	-2.24	-1.98	-1.03	8.8	-.87
		10.3	-.18	-.89	-1.37	-1.73	-1.03	13.4	-.86
		15.2	-.20	-.82	-1.29	-1.86	-1.01	18.6	-.85
		30.3	-.25	-.52	-1.09	-2.01	-.97	33.0	-.81
		45.3	-.23	-.32	-.45	-1.09	-.95	47.9	-.77
		60.3	-.16	-.29	-.49	-1.00	-1.92	62.5	-.75
		80.3	-.13	-.26	-.48	-.80	-.87	82.0	-.71
		90.3	-.10	-.15	-.32	-.61	-.88	----	----
	Lower	2.6	----	-.08	-.93	-1.48	-.49	6.3	-.50
		7.7	.21	.30	.06	-.10	.07	10.9	-.08
		20.2	.28	.32	.28	.25	.24	23.3	----
		35.2	.28	.26	.26	.26	.21	37.9	.09
		50.2	.25	.21	.21	.20	.14	52.6	.03
		65.2	----	.16	.14	.12	.07	67.3	-.06
		85.2	.13	.09	.06	0	-.13	82.5	----
22	Upper	0	----	-3.31	-6.14	-7.39	-1.17	0	-.93
		1.5	----	-2.95	-7.68	-3.46	-1.17	5.0	-.93
		5.2	-.17	-1.51	-2.29	-2.06	-1.16	8.8	-.93
		10.3	-.21	-1.02	-1.69	-2.04	-1.17	13.4	-.92
		15.2	-.23	-.99	-1.91	-2.10	-1.16	18.6	-.90
		30.3	-.27	-.48	-1.04	-1.58	-1.12	33.0	-.86
		45.3	-.23	-.38	-.49	-1.34	-1.10	47.9	-.81
		60.3	-.17	-.38	-.75	-1.17	-1.05	62.5	-.77
		80.3	-.15	-.33	-.55	-.89	-.97	82.0	-.72
		90.3	-.12	-.18	-.34	-.69	-.89	----	----
	Lower	2.6	----	-.22	-1.26	-1.72	-.63	6.3	-.62
		7.7	.24	.28	-.01	-.14	-.01	10.9	-.15
		20.2	.29	.35	.31	.28	.23	23.3	----
		35.2	.30	.31	.30	.28	.22	37.9	.10
		50.2	.28	.25	.24	.22	.16	52.6	.05
		65.2	----	.19	.18	.14	.08	67.3	-.04
		85.2	.15	.12	.07	.01	-.12	82.5	----
24	Upper	0	----	-3.90	-7.11	-7.23	-1.23	0	-.96
		1.5	----	-3.30	-5.47	-2.57	-1.24	5.0	-.95
		5.2	-.19	-1.60	-2.19	-2.12	-1.24	8.8	-.93
		10.3	-.23	-1.17	-2.23	-2.05	-1.26	13.4	-.91
		15.2	-.26	-1.21	-2.84	-1.94	-1.25	18.6	-.90
		30.3	-.29	-.45	-1.74	-1.63	-1.19	33.0	-.85
		45.3	-.25	-.42	-.70	-1.48	-1.16	47.9	-.80
		60.3	-.20	-.44	-.95	-1.26	-1.11	62.5	-.77
		80.3	-.19	-.39	-.57	-.97	-1.02	82.0	-.72
		90.3	-.14	-.23	-.36	-.76	-.92	----	----
	Lower	2.6	----	-.37	-1.60	-1.85	-.76	6.3	-.68
		7.7	.27	-.26	-.09	-.17	-.08	10.9	-.20
		20.2	.34	.39	.32	.29	.22	23.3	----
		35.2	.36	.35	.33	.31	.24	37.9	.11
		50.2	.32	.29	.27	.25	.18	52.6	.06
		65.2	----	.23	.20	.17	.10	67.3	-.02
		85.2	.18	.13	.08	.02	-.11	82.5	----

NACA

TABLE XXVII.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0008-63 SECTION. M, 0.24; R, 5.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
-3	Upper	0	---	0.15	0.15	0.09	-0.10	0	-0.42
		1.5	---	.14	.10	.11	.13	5.0	.13
		5.2	0	.03	.02	.03	.06	8.8	.10
		10.3	0	-.03	-.04	-.04	0	13.4	.05
		15.2	.01	-.06	-.07	-.06	-.04	18.6	.02
		30.3	-.01	-.08	-.09	-.09	-.06	33.0	-.02
		45.3	-.05	-.09	-.09	-.08	-.06	47.9	-.04
		60.3	-.06	-.08	-.08	-.06	0	62.5	-.03
		80.3	-.10	-.05	-.04	-.02	-.02	82.0	0
		90.3	-.03	0	.02	.02	.03	--	---
	Lower	2.6	---	-.20	-.35	-.44	-.60	6.3	-.92
		7.7	-.15	-.23	-.34	-.38	-.49	10.9	-.72
		20.2	-.05	-.22	-.27	-.37	-.37	23.3	---
		35.2	-.10	-.20	-.22	-.25	-.28	37.9	-.35
		50.2	-.12	-.17	-.18	-.19	-.20	52.6	-.25
		65.2	---	-.13	-.13	-.13	-.14	67.3	-.17
		85.2	-.06	-.06	-.05	-.04	-.04	82.5	---
-2	Upper	0	---	.19	.21	.16	.05	0	-.09
		1.5	---	.10	.07	.07	.10	5.0	.11
		5.2	-.01	-.01	-.03	-.03	-.01	8.8	.03
		10.3	-.01	-.06	-.09	-.09	-.07	13.4	-.03
		15.2	-.01	-.09	-.10	-.10	-.09	18.6	-.05
		30.3	-.02	-.10	-.12	-.12	-.10	33.0	-.07
		45.3	-.07	-.11	-.11	-.10	-.09	47.9	-.07
		60.3	-.07	-.09	-.09	-.08	-.07	62.5	-.05
		80.3	-.05	-.06	-.04	-.03	-.02	82.0	-.01
		90.3	-.03	0	.02	.02	.02	--	---
	Lower	2.6	---	-.13	-.24	-.30	-.39	6.3	-.60
		7.7	-.03	-.18	-.26	-.29	-.36	10.9	-.48
		20.2	-.04	-.19	-.23	-.32	-.30	23.3	---
		35.2	-.09	-.18	-.20	-.21	-.24	37.9	-.28
		50.2	-.11	-.15	-.16	-.16	-.17	52.6	-.20
		65.2	---	-.12	-.12	-.11	-.11	67.3	-.14
		85.2	-.06	-.06	-.04	-.04	-.03	82.5	---
-1	Upper	0	---	.20	.23	.20	.11	0	.12
		1.5	---	.06	.02	0	.03	5.0	.03
		5.2	-.01	-.05	-.08	-.09	-.08	8.8	-.06
		10.3	-.02	-.09	-.13	-.14	-.13	13.4	-.12
		15.2	-.02	-.12	-.14	-.14	-.14	18.6	-.13
		30.3	-.04	-.12	-.14	-.14	-.13	33.0	-.12
		45.3	-.08	-.12	-.12	-.12	-.11	47.9	-.10
		60.3	-.08	-.10	-.10	-.09	-.09	62.5	-.07
		80.3	-.05	-.06	-.05	-.04	-.03	82.0	-.02
		90.3	-.03	-.01	.01	.02	.02	--	---
	Lower	2.6	---	-.08	-.16	-.19	-.24	6.3	-.36
		7.7	-.03	-.14	-.21	-.22	-.27	10.9	-.32
		20.2	-.03	-.17	-.20	-.28	-.25	23.3	---
		35.2	-.08	-.16	-.18	-.19	-.20	37.9	-.23
		50.2	-.10	-.14	-.14	-.14	-.15	52.6	-.17
		65.2	---	-.12	-.11	-.10	-.10	67.3	-.11
		85.2	-.06	-.05	-.04	-.03	-.02	82.5	---
0	Upper	0	---	0.21	0.24	0.21	0.14	0	0.17
		1.5	---	.02	-.04	-.07	-.06	5.0	-.11
		5.2	-0.02	-.09	-.13	-.16	-.17	8.8	-.19
		10.3	-.02	-.12	-.17	-.19	-.20	13.4	-.22
		15.2	-.02	-.14	-.17	-.19	-.20	18.6	-.21
		30.3	-.04	-.14	-.16	-.17	-.17	33.0	-.17
		45.3	-.09	-.13	-.14	-.14	-.14	47.9	-.14
		60.3	-.09	-.11	-.11	-.11	-.10	62.5	-.10
		80.3	-.06	-.06	-.05	-.04	-.03	82.0	-.03
		90.3	-.03	-.01	.01	.02	.02	--	---
	Lower	2.6	---	-.02	-.09	-.10	-.11	6.3	-.16
		7.7	-.02	-.11	-.16	-.16	-.18	10.9	-.18
		20.2	-.02	-.14	-.17	-.24	-.19	23.3	---
		35.2	-.07	-.14	-.15	-.16	-.17	37.9	-.17
		50.2	-.09	-.14	-.13	-.13	-.13	52.6	-.13
		65.2	---	-.11	-.10	-.09	-.08	67.3	-.09
		85.2	-.05	-.04	-.03	-.02	-.01	82.5	---
1	Upper	0	---	.19	.22	.18	.10	0	.13
		1.5	---	-.05	-.11	-.19	-.22	5.0	-.36
		5.2	-.02	-.14	-.21	-.25	-.29	8.8	-.40
		10.3	-.03	-.17	-.23	-.26	-.30	13.4	-.39
		15.2	-.03	-.17	-.22	-.24	-.28	18.6	-.34
		30.3	-.06	-.16	-.19	-.21	-.22	33.0	-.25
		45.3	-.11	-.15	-.16	-.17	-.17	47.9	-.19
		60.3	-.10	-.12	-.13	-.12	-.12	62.5	-.12
		80.3	-.07	-.07	-.06	-.05	-.05	82.0	-.04
		90.3	-.04	-.01	0	.01	.01	--	---
	Lower	2.6	---	.03	-.01	0	0	6.3	.02
		7.7	-.02	-.07	-.10	-.09	-.09	10.9	-.06
		20.2	-.01	-.12	-.13	-.20	-.08	23.3	---
		35.2	-.06	-.12	-.13	-.13	-.13	37.9	-.12
		50.2	-.08	-.12	-.11	-.11	-.11	52.6	-.09
		65.2	---	-.10	-.09	-.08	-.09	67.3	-.07
		85.2	0	-.04	-.03	-.02	0	82.5	---
2	Upper	0	---	.16	.18	.12	0	0	-.02
		1.5	---	-.12	-.21	-.32	-.40	5.0	-.65
		5.2	-.03	-.19	-.28	-.34	-.43	8.8	-.62
		10.3	-.04	-.20	-.28	-.33	-.40	13.4	-.55
		15.2	-.04	-.21	-.26	-.30	-.36	18.6	-.48
		30.3	-.07	-.18	-.22	-.24	-.26	33.0	-.30
		45.3	-.12	-.17	-.18	-.19	-.19	47.9	-.24
		60.3	-.11	-.13	-.14	-.13	-.14	62.5	-.16
		80.3	-.07	-.08	-.07	-.06	-.06	82.0	-.07
		90.3	-.04	-.03	0	.01	0	--	---
	Lower	2.6	---	.08	-.06	.06	.07	6.3	.10
		7.7	-.01	-.03	-.05	-.03	-.02	10.9	.03
		20.2	0	-.09	-.10	-.16	-.09	23.3	---
		35.2	-.04	-.11	-.11	-.11	-.10	37.9	-.07
		50.2	-.06	-.10	-.10	-.08	-.08	52.6	-.06
		65.2	---	-.09	-.08	-.06	-.05	67.3	-.04
		85.2	-.04	-.04	-.02	-.01	0	82.5	---

TABLE XXVII.- CONTINUED

(b) α_u, 3, 4, 6, 8, 10, 12

α_u	Surface	%	P					% for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
3	Upper	0	---	0.12	0.10	0.01	-0.17	0	-0.31
		1.5	---	-.20	-.32	-.47	-.62	5.0	-1.02
		5.2	-0.04	-.25	-.36	-.46	-.58	8.8	-.87
		10.3	-.04	-.24	-.34	-.41	-.50	13.4	-.76
		15.2	-.04	-.24	-.31	-.36	-.43	18.6	-.62
		30.3	-.08	-.20	-.25	-.27	-.30	33.0	-.38
		45.3	-.13	-.18	-.20	-.21	-.23	47.9	-.29
		60.3	-.12	-.15	-.15	-.16	-.16	62.5	-.20
		80.3	-.07	-.08	-.07	-.06	-.07	82.0	-.08
		90.3	-.05	-.02	0	0	-.01	--	---
	Lower	2.6	---	.11	.09	.11	.12	6.3	.13
		7.7	0	.01	-.01	.02	.04	10.9	.09
		20.2	.02	-.06	-.07	-.12	-.05	23.3	---
		35.2	-.02	-.08	-.09	-.08	-.06	37.9	-.03
		50.2	-.05	-.08	-.08	-.07	-.06	52.6	-.03
		65.2	---	-.07	-.06	-.05	-.04	67.3	-.02
		85.2	-.03	-.03	-.01	-.01	.01	82.5	---
4	Upper	0	---	.06	.03	-.16	-.41	0	-.76
		1.5	---	-.30	-.46	-.65	-.90	5.0	-1.46
		5.2	-.04	-.31	-.45	-.57	-.75	8.8	-1.25
		10.3	-.05	-.29	-.40	-.49	-.61	13.4	-.96
		15.2	-.06	-.28	-.36	-.42	-.51	18.6	-.72
		30.3	-.10	-.22	-.28	-.31	-.36	33.0	-.48
		45.3	-.14	-.20	-.22	-.24	-.27	47.9	-.35
		60.3	-.14	-.16	-.17	-.17	-.19	62.5	-.24
		80.3	-.08	-.08	-.08	-.07	-.08	82.0	-.11
		90.3	-.05	-.02	-.01	0	-.01	--	---
	Lower	2.6	---	.14	.12	.13	.13	6.3	.11
		7.7	.01	.04	.03	.06	.09	10.9	.13
		20.2	.03	-.04	-.04	-.08	-.01	23.3	---
		35.2	-.01	-.06	-.06	-.05	-.03	37.9	.01
		50.2	-.03	-.07	-.06	-.05	-.03	52.6	0
		65.2	---	-.06	-.05	-.04	-.02	67.3	-.01
		85.2	-.02	-.02	-.01	0	.01	82.5	---
6	Upper	0	---	-.11	-.35	-.59	-1.05	0	-1.99
		1.5	---	-.49	-.76	-1.04	-1.55	5.0	-2.49
		5.2	-.05	-.43	-.63	-.82	-1.08	8.8	-1.99
		10.3	-.06	-.37	-.52	-.66	-.87	13.4	-1.37
		15.2	-.07	-.33	-.45	-.55	-.69	18.6	-1.06
		30.3	-.12	-.26	-.33	-.38	-.46	33.0	-.67
		45.3	-.16	-.22	-.25	-.28	-.33	47.9	-.48
		60.3	-.15	-.28	-.19	-.20	-.23	62.5	-.34
		80.3	-.08	-.09	-.09	-.09	-.11	82.0	-.18
		90.3	-.05	-.03	-.01	-.01	-.03	--	---
	Lower	2.6	---	.19	.15	.13	.09	6.3	-.08
		7.7	.03	.10	.10	.12	.13	10.9	.13
		20.2	.05	.01	.02	-.02	.06	23.3	---
		35.2	.03	-.03	-.02	-.01	.02	37.9	.07
		50.2	-.01	-.04	-.03	-.02	0	52.6	.04
		65.2	---	-.04	-.03	-.01	.01	67.3	.02
		85.2	-.01	-.01	0	.01	.02	82.5	---

α_u	Surface	%	P					% for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
8	Upper	0	---	-0.33	-0.75	-1.14	-1.91	0	-3.60
		1.5	---	-.72	-1.16	-1.53	-2.35	5.0	-3.80
		5.2	-0.16	-.56	-.84	-1.10	-1.46	8.8	-2.51
		10.3	-.07	-.45	-.67	-.84	-1.13	13.4	-1.78
		15.2	-.09	-.40	-.66	-.68	-.89	18.6	-1.38
		30.3	-.15	-.30	-.39	-.46	-.57	33.0	-.88
		45.3	-.18	-.25	-.29	-.34	-.41	47.9	-.68
		60.3	-.16	-.20	-.21	-.23	-.29	62.5	-.55
		80.3	-.09	-.11	-.10	-.10	-.14	82.0	-.35
		90.3	-.05	.03	-.02	-.02	-.06	--	---
	Lower	2.6	---	.21	.12	.06	-.05	6.3	-.30
		7.7	.05	.15	.14	.15	.14	10.9	.06
		20.2	.08	.06	.07	.03	.10	23.3	---
		35.2	.05	.01	.02	.04	.06	37.9	.11
		50.2	.03	-.01	0	.02	.04	52.6	.07
		65.2	---	-.02	-.01	.01	.03	67.3	.03
		85.2	0	0	.01	.02	.03	82.5	---
10	Upper	0	---	-.54	-1.19	-1.77	-2.94	0	-3.34
		1.5	---	-.92	-1.55	-2.04	-3.22	5.0	-3.20
		5.2	-.05	-.64	-1.01	-1.35	-1.87	8.8	-2.71
		10.3	-.11	-.49	-.77	-1.01	-1.36	13.4	-2.06
		15.2	-.11	-.41	-.61	-.78	-1.04	18.6	-1.77
		30.3	-.13	-.30	-.39	-.48	-.65	33.0	-1.31
		45.3	-.16	-.25	-.29	-.34	-.46	47.9	-1.01
		60.3	-.14	-.19	-.20	-.24	-.31	62.5	-.81
		80.3	-.08	-.05	-.10	-.11	-.17	82.0	-.66
		90.3	-.04	-.01	-.02	-.03	-.08	--	---
	Lower	2.6	---	.23	.09	-.04	-.24	6.3	-.49
		7.7	.08	.20	.18	.06	.13	10.9	.06
		20.2	.11	.11	.12	.08	.15	23.3	---
		35.2	.10	.06	.07	.08	.11	37.9	.14
		50.2	.06	.04	.05	.06	.08	52.6	.08
		65.2	---	.02	.03	.05	.06	67.3	.01
		85.2	.03	.02	.03	.04	.03	82.5	---
12	Upper	0	---	-.88	-1.79	-2.64	-4.31	0	-4.24
		1.5	---	-1.22	-2.09	-2.74	-4.32	5.0	-4.11
		5.2	-.06	-.80	-1.26	-1.71	-2.36	8.8	-3.06
		10.3	-.06	-.59	-.87	-1.20	-1.68	13.4	-2.02
		15.2	-.08	-.48	-.72	-.93	-1.21	18.6	-1.01
		30.3	-.16	-.35	-.46	-.59	-.88	33.0	-.92
		45.3	-.19	-.29	-.34	-.41	-.60	47.9	-.87
		60.3	-.15	-.19	-.25	-.29	-.41	62.5	-.79
		80.3	-.09	-.11	-.14	-.16	-.29	82.0	-.74
		90.3	-.05	-.02	-.05	-.07	-.19	--	---
	Lower	2.6	---	.21	.22	-.22	-.55	6.3	-.28
		7.7	.10	.24	.18	.14	.05	10.9	.08
		20.2	.14	.15	.16	.12	.17	23.3	---
		35.2	.13	.10	.10	.12	.15	37.9	.12
		50.2	.09	.07	.02	.09	.10	52.6	.06
		65.2	---	.04	.05	.07	.07	67.3	-.02
		85.2	.05	.04	.04	.04	.01	82.5	---

TABLE XXVII.- CONCLUDED

(c) α_u, 14, 16, 18, 20, 22, 24

α_u	Surface	%c	P					%c for 0.90b/2	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		0.90b/2
14	Upper	0	---	-1.25	-2.44	-3.64	-5.68	0	-1.01
		1.5	---	-1.51	-2.63	-3.53	-5.39	5.0	-.99
		5.2	-0.06	-.91	-1.49	-2.04	-2.82	8.8	-.96
		10.3	-.06	-.64	-1.06	-1.39	-1.69	13.4	-.94
		15.2	-.10	-.53	-.81	-1.06	-1.45	18.6	-.91
		30.3	-.16	-.39	-.53	-.72	-1.40	33.0	-.86
		45.3	-.24	-.29	-.39	-.49	-1.06	47.9	-.79
		60.3	-.15	-.19	-.29	-.34	-.84	62.5	-.75
		80.3	-.08	-.12	-.19	-.24	-.56	82.0	-.70
		90.3	-.05	-.03	-.09	-.13	-.39	--	---
	Lower	2.6	---	.19	-.15	-.46	-.87	6.3	-.29
		7.7	.13	.27	.18	.11	-.01	10.9	.04
		20.2	.18	.20	.20	.16	.22	23.3	---
		35.2	.17	.14	.15	.16	.19	37.9	.12
		50.2	.13	.11	.11	.13	.13	52.6	.06
		65.2	---	.08	.08	.09	.07	67.3	-.03
		85.2	.07	.06	.06	.04	-.01	82.5	---
16	Upper	0	---	-1.71	-3.28	-4.87	-3.98	0	-.94
		1.5	---	-1.87	-3.33	-3.98	-1.98	5.0	-.93
		5.2	-.07	-1.09	-1.79	-2.35	-1.68	8.8	-.90
		10.3	-.10	-.73	-1.21	-1.49	-1.55	13.4	-.88
		15.2	-.13	-.60	-.92	-1.21	-1.50	18.6	-.88
		30.3	-.21	-.49	-.67	-1.16	-1.31	33.0	-.80
		45.3	-.21	-.30	-.46	-.49	-1.16	47.9	-.74
		60.3	-.16	-.21	-.37	-.54	-1.02	62.5	-.70
		80.3	-.09	-.15	-.25	-.37	-.82	82.0	-.64
		90.3	-.05	-.06	-.12	-.22	-.68	--	---
	Lower	2.6	---	.13	-.38	-.78	-.74	6.3	-.35
		7.7	.17	.29	.16	.05	.08	10.9	.01
		20.2	.21	.25	.23	.20	.24	23.3	---
		35.2	.21	.19	.19	.21	.20	37.9	.12
		50.2	.18	.15	.15	.16	.14	52.6	.06
		65.2	---	.12	.11	.11	.08	67.3	-.03
		85.2	.09	.08	.07	.04	-.06	82.5	---
18	Upper	0	---	-2.19	-4.17	-5.98	-1.35	0	-.88
		1.5	---	-2.21	-4.07	-4.07	-1.22	5.0	-.89
		5.2	-.11	-1.21	-2.02	-2.31	-1.17	8.8	-.87
		10.3	-.12	-.57	-1.31	-1.55	-1.17	13.4	-.86
		15.2	-.16	-.69	-1.05	-1.59	-1.16	18.6	-.85
		30.3	-.24	-.55	-.89	-2.02	-1.11	33.0	-.78
		45.3	-.22	-.31	-.45	-1.06	-1.05	47.9	-.74
		60.3	-.16	-.25	-.44	-.90	-.98	62.5	-.70
		80.3	-.10	-.20	-.37	-.58	-.88	82.0	-.66
		90.3	-.07	-.10	-.22	-.39	-.79	--	---
	Lower	2.6	---	.03	-.55	-1.08	-.43	6.3	-.40
		7.7	.19	.30	.12	-.01	.09	10.9	-.04
		20.2	.25	.29	.26	.24	.24	23.3	---
		35.2	.25	.23	.23	.24	.21	37.9	.11
		50.2	.22	.19	.19	.18	.14	52.6	.05
		65.2	---	.14	.14	.12	.07	67.3	-.04
		85.2	.11	.09	.07	.02	-.09	82.5	---

α_u	Surface	%c	P					%c for 0.90b/2	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		0.90b/2
20	Upper	0	---	-2.73	-5.18	-6.84	-1.31	0	-0.88
		1.5	---	-2.60	-4.93	-3.76	-1.26	5.0	-.89
		5.2	-0.11	-1.38	-2.21	-2.17	-1.25	8.8	-.88
		10.3	-.16	-.88	-1.42	-2.16	-1.26	13.4	-.86
		15.2	-.20	-.65	-1.43	-2.23	-1.23	18.6	-.84
		30.3	-.26	-.58	-1.11	-1.75	-1.21	33.0	-.78
		45.3	-.23	-.31	-.44	-1.35	-1.12	47.9	-.74
		60.3	-.16	-.30	-.49	-1.07	-1.06	62.5	-.69
		80.3	-.13	-.25	-.38	-.71	-.96	82.0	-.65
		90.3	-.09	-.13	-.22	-.51	-.87	--	---
	Lower	2.6	---	-.06	-.88	-1.35	-.56	6.3	-.26
		7.7	.22	.30	.07	-.04	.02	10.9	-.06
		20.2	.28	.33	.29	.27	.23	23.3	---
		35.2	.29	.28	.27	.27	.22	37.9	.12
		50.2	.25	.23	.22	.21	.16	52.6	.06
		65.2	---	.18	.16	.14	.09	67.3	-.02
		85.2	.14	.11	.08	.03	-.09	82.5	---
22	Upper	0	---	-3.34	-6.28	-5.47	-1.40	0	-.88
		1.5	---	-3.03	-5.42	-2.41	-1.37	5.0	-.85
		5.2	-.14	-1.51	-2.13	-2.26	-1.36	8.8	-.84
		10.3	-.19	-1.02	-1.83	-2.27	-1.36	13.4	-.82
		15.2	-.22	-.97	-2.17	-2.24	-1.32	18.6	-.79
		30.3	-.27	-.52	-1.21	-1.81	-1.26	33.0	-.74
		45.3	-.23	-.39	-.61	-1.52	-1.20	47.9	-.69
		60.3	-.17	-.37	-.66	-1.22	-1.11	62.5	-.67
		80.3	-.15	-.30	-.41	-.86	-1.02	82.0	-.60
		90.3	-.11	-.16	-.23	-.64	-.92	--	---
	Lower	2.6	---	-.17	-1.18	-1.33	-.72	6.3	-.54
		7.7	.26	.30	.02	-.02	-.04	10.9	-.11
		20.2	.32	.37	.32	.28	.23	23.3	---
		35.2	.33	.32	.31	.29	.24	37.9	.13
		50.2	.30	.27	.25	.23	.18	52.6	.08
		65.2	---	.21	.19	.17	.10	67.3	-.01
		85.2	.16	.13	.10	.04	-.09	82.5	---
24	Upper	0	---	-3.95	-7.09	-2.75	-1.38	0	-.84
		1.5	---	-3.42	-5.18	-2.09	-1.37	5.0	-.83
		5.2	-.17	-1.60	-2.19	-2.03	-1.36	8.8	-.83
		10.3	-.21	-1.17	-2.27	-1.94	-1.36	13.4	-.79
		15.2	-.24	-1.18	-2.33	-1.98	-1.32	18.6	-.79
		30.3	-.30	-.27	-1.96	-1.80	-1.26	33.0	-.74
		45.3	-.24	-.22	-1.07	-1.56	-1.18	47.9	-.70
		60.3	-.19	-.23	-.79	-1.32	-1.13	62.5	-.65
		80.3	-.17	-.36	-.51	-.98	-1.01	82.0	-.59
		90.3	-.11	-.20	-.31	-.76	-.91	--	---
	Lower	2.6	---	-.31	-1.46	-1.12	-.79	6.3	-.55
		7.7	.29	.29	-.04	-.01	-.08	10.9	-.14
		20.2	.36	.40	.35	.29	.23	23.3	---
		35.2	.38	.37	.34	.31	.25	37.9	.14
		50.2	.34	.31	.28	.26	.20	52.6	.09
		65.2	---	.24	.21	.18	.12	67.3	.01
		85.2	.19	.15	.11	.04	-.08	82.5	---

NACA

TABLE XXVIII.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0008-63 SECTION. M, 0.40; R, 5.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
-3	Upper	0	----	0.15	0.14	0.08	-0.10	0	-0.42
		1.5	----	.13	.11	.10	.12	5.0	.12
		5.2	-0.01	.02	.01	.01	.05	8.8	.10
		10.3	-.01	.03	-.05	-.05	-.02	13.4	.04
		15.2	-.07	-.07	-.08	-.07	-.02	18.6	.01
		30.3	-.01	-.09	-.10	-.10	-.08	33.0	-.03
		45.3	-.06	-.10	-.10	-.09	-.07	47.9	-.04
		60.3	-.07	-.09	-.09	-.07	-.07	62.5	-.03
		80.3	-.05	-.06	-.04	-.03	-.02	82.0	0
		90.3	-.03	-.01	.01	.02	.02	----	----
	Lower	2.6	----	-.20	-.36	-.46	-.61	6.3	-.95
		7.7	-.04	-.23	-.34	-.39	-.50	10.9	-.76
		20.2	-.05	-.23	-.29	-.39	-.38	23.3	----
		35.2	-.11	-.20	-.23	-.26	-.29	37.9	-.35
		50.2	-.14	-.18	-.19	-.20	-.22	52.6	-.26
		65.2	----	-.14	-.14	-.14	-.15	67.3	-.18
		85.2	-.07	-.07	-.05	-.05	-.04	82.5	----
-2	Upper	0	----	.19	.20	.16	.05	0	-.09
		1.5	----	.10	.07	.06	.09	5.0	.10
		5.2	-.01	-.01	-.04	-.04	-.02	8.8	.03
		10.3	-.01	-.07	-.09	-.10	-.08	13.4	-.03
		15.2	-.01	-.09	-.11	-.11	-.10	18.6	-.06
		30.3	-.02	-.11	-.13	-.18	-.11	33.0	-.08
		45.3	-.07	-.11	-.11	-.11	-.10	47.9	-.08
		60.3	-.08	-.10	-.10	-.09	-.08	62.5	-.05
		80.3	-.05	-.06	-.05	-.03	-.02	82.0	-.01
		90.3	-.03	-.04	.01	-.02	-.03	----	----
	Lower	2.6	----	-.13	-.25	-.31	-.40	6.3	-.62
		7.7	-.03	-.19	-.27	-.30	-.38	10.9	-.50
		20.2	-.04	-.19	-.24	-.33	-.32	23.3	----
		35.2	-.10	-.18	-.21	-.23	-.24	37.9	-.29
		50.2	-.14	-.16	-.17	-.17	-.18	52.6	-.21
		65.2	----	-.13	-.13	-.13	-.12	67.3	-.14
		85.2	-.06	-.06	-.04	-.04	-.03	82.5	----
-1	Upper	0	----	.21	.23	.20	.13	0	.13
		1.5	----	.07	.03	0	.03	5.0	.02
		5.2	-.01	-.05	-.08	-.09	-.09	8.8	.07
		10.3	-.01	-.09	-.12	-.14	-.12	13.4	-.12
		15.2	-.01	-.11	-.14	-.15	-.15	18.6	-.12
		30.3	-.03	-.12	-.14	-.15	-.14	33.0	-.12
		45.3	-.08	-.12	-.12	-.12	-.12	47.9	-.11
		60.3	-.08	-.10	-.10	-.09	-.09	62.5	-.07
		80.3	-.06	-.07	-.05	-.07	-.03	82.0	-.03
		90.3	-.04	-.01	.01	.01	.02	----	----
	Lower	2.6	----	-.07	-.15	-.19	-.23	6.3	-.35
		7.7	-.03	-.15	-.21	-.23	-.27	10.9	-.32
		20.2	-.03	-.17	-.21	-.29	-.25	23.3	----
		35.2	-.08	-.17	-.18	-.20	-.21	37.9	-.23
		50.2	-.11	-.15	-.15	-.15	-.16	52.6	-.17
		65.2	----	-.13	-.12	-.13	-.10	67.3	-.11
		85.2	-.06	-.05	-.07	-.03	-.02	82.5	----

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
0	Upper	0	----	0.20	0.23	0.20	0.14	0	0.17
		1.5	----	.01	-.04	-.09	-.08	5.0	-.13
		5.2	-0.02	-.10	-.15	-.17	-.19	8.8	-.22
		10.3	-.02	-.14	-.18	-.21	-.22	13.4	-.25
		15.2	-.02	-.15	-.19	-.20	-.22	18.6	-.23
		30.3	-.05	-.15	-.18	-.18	-.18	33.0	-.19
		45.3	-.10	-.14	-.15	-.15	-.15	47.9	-.15
		60.3	-.10	-.12	-.13	-.11	-.12	62.5	-.11
		80.3	-.06	-.07	-.06	-.04	-.04	82.0	-.03
		90.3	-.04	-.01	-.01	.01	.02	----	----
	Lower	2.6	----	-.02	-.08	-.10	-.11	6.3	-.15
		7.7	-.02	-.12	-.16	-.16	-.18	10.9	-.18
		20.2	-.02	-.14	-.17	-.24	-.20	23.3	----
		35.2	-.07	-.15	-.16	-.17	-.17	37.9	-.18
		50.2	-.09	-.13	-.14	-.13	-.14	52.6	-.13
		65.2	----	-.11	-.10	-.09	-.09	67.3	-.06
		85.2	-.05	-.05	-.03	-.02	-.01	82.5	----
1	Upper	0	----	.20	.21	.17	.10	0	.14
		1.5	----	-.05	-.13	-.19	-.21	5.0	-.35
		5.2	-.02	-.14	-.21	-.25	-.30	8.8	-.40
		10.3	-.03	-.17	-.23	-.27	-.30	13.4	-.38
		15.2	-.03	-.17	-.23	-.25	-.28	18.6	-.34
		30.3	-.06	-.17	-.19	-.21	-.23	33.0	-.25
		45.3	.02	-.15	-.16	-.17	-.17	47.9	-.19
		60.3	.02	-.12	-.13	-.13	-.13	62.5	-.12
		80.3	-.07	-.07	-.06	-.05	-.05	82.0	-.04
		90.3	-.04	-.02	.01	.02	.01	----	----
	Lower	2.6	----	.03	-.01	-.01	0	6.3	0
		7.7	-.01	-.06	-.11	-.09	-.10	10.9	-.07
		20.2	-.01	-.11	-.14	-.20	-.14	23.3	----
		35.2	-.05	-.13	-.14	-.14	-.14	37.9	-.12
		50.2	-.08	-.11	-.11	-.11	-.11	52.6	-.09
		65.2	----	-.10	-.09	-.08	-.08	67.3	-.07
		85.2	-.05	-.04	-.02	-.02	0	82.5	----
2	Upper	0	----	.17	.18	.12	0	0	-.01
		1.5	----	-.12	-.20	-.32	-.39	5.0	-.65
		5.2	-.02	-.19	-.28	-.34	-.42	8.8	-.62
		10.3	-.03	-.20	-.28	-.33	-.40	13.4	-.55
		15.2	-.03	-.20	-.27	-.30	-.36	18.6	-.49
		30.3	-.07	-.18	-.22	-.24	-.27	33.0	-.30
		45.3	-.12	-.17	-.18	-.19	-.20	47.9	-.24
		60.3	-.12	-.14	-.14	-.14	-.14	62.5	-.16
		80.3	-.07	-.08	-.06	-.06	-.06	82.0	-.06
		90.3	-.04	-.01	.01	.01	.01	----	----
	Lower	2.6	----	.08	.05	.06	.07	6.3	.10
		7.7	0	-.03	-.05	-.03	-.02	10.9	.03
		20.2	.01	-.13	-.10	-.16	-.10	23.3	----
		35.2	-.04	-.13	-.11	-.14	-.10	37.9	-.07
		50.2	-.06	-.13	-.10	-.10	-.08	52.6	-.06
		65.2	----	-.12	-.07	-.06	-.05	67.3	-.04
		85.2	-.04	-.03	-.02	-.01	.01	82.5	----

TABLE XXVIII.- CONTINUED

(b) α_u, 3, 4, 5, 6, 8, 10

α_u	Surface	x/c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	x/c for P, 0.90b/2	P, 0.90b/2
3	Upper	0	——	0.13	0.10	0.01	-0.16	.0	-0.29
		1.5	——	-.20	-.32	-.47	-.62	5.0	-1.02
		5.2	-0.04	-.25	-.36	-.45	-.58	8.8	-.89
		10.3	-.04	-.25	-.35	-.41	-.51	13.4	-.79
		15.2	-.05	-.24	-.31	-.37	-.44	18.6	-.65
		30.3	-.09	-.21	-.25	-.28	-.31	33.0	-.39
		45.3	-.14	-.19	-.21	-.22	-.24	47.9	-.30
		60.3	-.13	-.15	-.16	-.16	-.17	62.5	-.20
		80.3	-.08	-.08	-.07	-.07	-.07	82.0	-.08
		90.3	-.05	-.02	0	0	0	——	——
	Lower	2.6	——	.11	.09	.10	.12	6.3	.13
		7.7	0	.01	-.01	.01	.04	10.9	.08
		20.2	.01	-.07	-.08	-.13	-.05	23.3	——
		35.2	-.02	-.09	-.10	-.08	-.07	37.9	-.03
		50.2	-.05	-.09	-.08	-.07	-.06	52.6	-.03
		65.2	——	-.08	-.07	-.05	-.04	67.3	-.02
		85.2	-.04	-.03	-.02	-.01	.01	82.5	——
4	Upper	0	——	.07	-.02	-.15	-.32	0	-.71
		1.5	——	-.28	-.45	-.64	-.89	5.0	-1.43
		5.2	-.04	-.30	-.45	-.57	-.76	8.8	-1.26
		10.3	-.05	-.29	-.41	-.49	-.62	13.4	-1.06
		15.2	-.05	-.27	-.36	-.43	-.51	18.6	-.72
		30.3	-.10	-.23	-.28	-.32	-.37	33.0	-.48
		45.3	-.15	-.20	-.22	-.24	-.27	47.9	-.36
		60.3	-.14	-.16	-.17	-.18	-.19	62.5	-.24
		80.3	-.08	-.09	-.01	-.07	-.08	82.0	-.10
		90.3	-.05	-.02	0	0	-.01	——	——
	Lower	2.6	——	.14	.12	.13	.14	6.3	.11
		7.7	.01	.04	.03	.06	.08	10.9	.12
		20.2	.03	-.04	-.04	-.09	-.01	23.3	——
		35.2	-.01	-.07	-.07	-.06	-.04	37.9	.01
		50.2	-.04	-.07	-.07	-.06	-.04	52.6	0
		65.2	——	-.07	-.05	-.04	-.02	67.3	0
		85.2	-.03	-.03	-.01	0	.01	82.5	——
5	Upper	0	——	0	-.16	-.34	-.66	0	-1.22
		1.5	——	-.37	-.60	-.83	-1.19	5.0	-1.91
		5.2	-.04	-.36	-.53	-.68	-.97	8.8	-1.75
		10.3	-.05	-.32	-.47	-.57	-.72	13.4	-1.08
		15.2	-.06	-.30	-.41	-.48	-.60	18.6	-.89
		30.3	-.11	-.24	-.30	-.35	-.41	33.0	-.57
		45.3	-.16	-.21	-.24	-.26	-.29	47.9	-.41
		60.3	-.15	-.17	-.18	-.19	-.21	62.5	-.28
		80.3	-.08	-.10	-.08	-.08	0	82.0	-.14
		90.3	-.05	-.02	0	0	-.02	——	——
	Lower	2.6	——	.17	.14	.14	.13	6.3	.06
		7.7	.02	.07	.07	.09	.11	10.9	.14
		20.2	.04	-.01	-.01	-.06	.02	23.3	——
		35.2	.01	-.05	-.04	-.03	-.01	37.9	.04
		50.2	-.02	-.05	-.05	-.04	-.02	52.6	.02
		65.2	——	-.05	-.04	-.02	-.01	67.3	.01
		85.2	-.02	-.02	0	.01	.02	82.5	——

α_u	Surface	x/c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	x/c for P 0.90b/2	P 0.90b/2
6	Upper	0	——	-0.09	-0.33	-0.58	-1.02	0	-1.90
		1.5	——	-.48	-.77	-1.05	-1.57	5.0	-2.46
		5.2	-0.04	-.41	-.63	-.82	-1.11	8.8	-2.26
		10.3	-.05	-.36	-.53	-.66	-.86	13.4	-1.31
		15.2	-.06	-.33	-.44	-.55	-.69	18.6	-1.05
		30.3	-.12	-.29	-.33	-.38	-.45	33.0	-.65
		45.3	-.16	-.21	-.25	-.28	-.33	47.9	-.46
		60.3	-.15	-.17	-.19	-.19	-.23	62.5	-.33
		80.3	-.09	-.10	-.09	-.09	-.11	82.0	-.18
		90.3	-.05	-.03	-.01	-.01	-.03	——	——
	Lower	2.6	——	.18	.14	.12	.11	6.3	-.04
		7.7	.03	.10	-.10	.12	.17	10.9	.13
		20.2	.05	-.01	.02	-.03	.06	23.3	——
		35.2	.02	-.03	-.01	-.01	.02	37.9	.07
		50.2	-.01	-.04	-.03	-.02	0	52.6	.04
		65.2	——	-.04	-.03	-.01	0	67.3	.02
		85.2	-.01	-.01	0	.01	.02	82.5	——
8	Upper	0	——	-.30	-.73	-1.11	-1.88	0	-2.20
		1.5	——	-.71	-1.16	-1.55	-2.39	5.0	-2.23
		5.2	-.05	-.54	-.83	-1.10	-1.44	8.8	-2.20
		10.3	-.06	-.44	-.66	-.90	-1.13	13.4	-1.82
		15.2	-.07	-.39	-.54	-.68	-.88	18.6	-1.61
		30.3	-.13	-.30	-.38	-.45	-.57	33.0	-1.36
		45.3	-.18	-.24	-.28	-.33	-.41	47.9	-1.07
		60.3	-.16	-.18	-.21	-.22	-.29	62.5	-.75
		80.3	-.09	-.11	-.10	-.11	-.15	82.0	-.51
		90.3	-.06	-.03	-.02	-.02	-.06	——	——
	Lower	2.6	——	.21	.14	.09	-.02	6.3	-.19
		7.7	-.05	.15	.14	.15	.14	10.9	.12
		20.2	.08	.06	.07	.03	.11	23.3	——
		35.2	.06	.02	.02	.04	.07	37.9	.11
		50.2	.02	-.01	0	.02	.04	52.6	.06
		65.2	——	-.01	0	.02	.03	67.3	-.02
		85.2	.01	0	.02	.02	.02	82.5	——
10	Upper	0	——	-.59	-1.23	-1.87	-3.05	0	-1.57
		1.5	——	-1.00	-1.67	-2.21	-3.43	5.0	-1.43
		5.2	-.07	-.70	-1.09	-2.06	-1.97	8.8	-1.31
		10.3	-.08	-.55	-.82	-1.07	-1.46	13.4	-1.21
		15.2	-.10	-.46	-.66	-.85	-1.14	18.6	-1.15
		30.3	-.16	-.34	-.46	-.56	-.76	33.0	-1.04
		45.3	-.20	-.28	-.33	-.40	-.58	47.9	-.97
		60.3	-.18	-.22	-.25	-.28	-.45	62.5	-.86
		80.3	-.10	-.12	-.12	-.13	-.25	82.0	-.72
		90.3	-.06	-.03	-.03	-.04	-.13	——	——
	Lower	2.6	——	.21	.08	-.03	-.25	6.3	-.22
		7.7	.08	.20	.17	.16	.12	10.9	.11
		20.2	.11	.11	.11	.08	.15	23.3	——
		35.2	.09	.06	.06	.08	.11	37.9	.12
		50.2	.06	.03	.04	.05	.07	52.6	.06
		65.2	——	.01	.03	.04	.05	67.3	-.01
		85.2	.02	.02	.03	.03	.02	82.5	——

TABLE XXVIII.- CONCLUDED

(c) α_u, 12, 14, 16, 18, 20, 22, 24

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
12	Upper	0	----	-0.90	-1.82	-2.70	-3.07	0	-0.99
		1.5	----	-1.27	-2.18	-2.97	-2.24	5.0	-.93
		5.2	-0.07	-.82	-1.32	-1.76	-1.75	8.8	-.92
		10.3	-.09	-.61	-.96	-1.26	-1.50	13.4	-.91
		15.2	-.11	-.51	-.76	-.99	-1.24	18.6	-.90
		30.3	-.18	-.39	-.50	-.66	-.84	33.0	-.84
		45.3	-.21	-.32	-.37	-.48	-.61	47.9	-.80
		60.3	-.18	-.22	-.28	-.32	-.44	62.5	-.76
		80.3	-.10	-.12	-.15	-.16	-.28	82.0	-.66
		90.3	-.06	-.03	-.06	-.07	-.20	----	----
	Lower	2.6	----	.22	-.03	-.21	-.41	6.3	-.21
		7.7	.10	.24	.18	.14	.09	10.9	.10
		20.2	.13	.16	.15	.12	.18	23.3	----
		35.2	.13	.10	.10	.12	.13	37.9	.12
		50.2	.09	.07	.07	.09	.10	52.6	.06
		65.2	----	.04	.05	.06	.06	67.3	-.02
		85.2	.04	.03	.03	.03	0	82.5	----
14	Upper	0	----	-1.28	-2.53	-3.73	-2.39	0	-.77
		1.5	----	-1.60	-2.80	-3.95	-1.98	5.0	-.75
		5.2	-.07	-1.00	-1.57	-2.08	-1.97	8.8	-.74
		10.3	-.10	-.70	-1.12	-1.47	-1.92	13.4	-.74
		15.2	-.13	-.57	-.88	-1.18	-1.93	18.6	-.73
		30.3	-.21	-.45	-.60	-.90	-1.65	33.0	-.69
		45.3	-.24	-.34	-.44	-.67	-1.27	47.9	-.65
		60.3	-.19	-.23	-.33	-.48	-.95	62.5	-.62
		80.3	-.11	-.14	-.20	-.26	-.63	82.0	-.56
		90.3	-.06	-.05	-.10	-.14	-.49	----	----
	Lower	2.6	----	.19	-.17	-.43	-.44	6.3	-.21
		7.7	.13	.27	.18	.12	.10	10.9	.07
		20.2	.17	.20	.19	.16	.21	23.3	----
		35.2	.14	.14	.15	.16	.17	37.9	.11
		50.2	.13	.07	.11	.12	.12	52.6	.05
		65.2	----	.07	.08	.08	.06	67.3	-.03
		85.2	.06	.05	.05	.03	-.04	82.5	----
16	Upper	0	----	-1.73	-3.36	-4.31	-1.53	0	-.67
		1.5	----	-2.27	-3.56	-2.76	-1.44	5.0	-.66
		5.2	-.09	-1.13	-1.83	-2.24	-1.43	8.8	-.66
		10.3	-.12	-.78	-1.25	-1.35	-1.40	13.4	-.66
		15.2	-.15	-.64	-.99	-1.08	-1.37	18.6	-.64
		30.3	-.24	-.54	-.78	-.83	-1.24	33.0	-.63
		45.3	-.25	-.34	-.52	-.71	-1.05	47.9	-.60
		60.3	-.19	-.25	-.42	-.58	-.90	62.5	-.58
		80.3	-.11	-.17	-.24	-.41	.72	82.0	-.54
		90.3	-.07	-.08	-.12	-.30	-.64	----	----
	Lower	2.6	----	.14	-.34	-.62	-.42	6.3	-.24
		7.7	.17	.29	.17	.10	.11	10.9	.04
		20.2	.21	.25	.23	.20	.23	23.3	----
		35.2	.21	.19	.19	.20	.19	37.9	.10
		50.2	.17	.13	.13	.13	.13	52.6	.04
		65.2	----	.10	.11	.10	.06	67.3	-.04
		85.2	.09	.07	.06	.01	-.08	82.5	----

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
18	Upper	0	----	-2.24	-4.23	-3.16	-1.14	0	-0.73
		1.5	----	-2.36	-4.64	-2.18	-1.11	5.0	-.72
		5.2	-0.13	-1.88	-2.03	-2.12	-1.08	8.8	-.70
		10.3	-.15	-.85	-1.43	-2.11	-1.10	13.4	-.69
		15.2	-.19	-1.34	-1.38	-2.15	-1.09	18.6	-.68
		30.3	-.27	-1.19	-1.14	-2.18	-1.03	33.0	-.66
		45.3	-.27	-.37	-.54	-1.23	-.98	47.9	-.63
		60.3	-.21	-.31	-.46	-.97	-.92	62.5	-.60
		80.3	-.13	-.24	-.34	-.68	-.81	82.0	-.56
		90.3	-.09	-.13	-.21	-.51	-.73	----	----
	Lower	2.6	----	.06	-.44	-.65	-.40	6.3	-.34
		7.7	.19	.31	.15	.12	.09	10.9	-.01
		20.2	.25	.29	.28	.24	.22	23.3	----
		35.2	.25	.24	.23	.22	.19	37.9	.10
		50.2	.22	.19	.18	.17	.13	52.6	.05
		65.2	----	.13	.13	.11	.06	67.3	-.04
		85.2	.11	.08	.06	.01	-.10	82.5	----
20	Upper	0	----	-2.80	-4.73	-2.26	-1.13	0	-.71
		1.5	----	-2.81	-3.76	-2.99	-1.10	5.0	-.69
		5.2	-.15	-1.43	-2.56	-2.98	-1.08	8.8	-.69
		10.3	-.19	-.96	-1.46	-1.90	-1.08	13.4	-.69
		15.2	-.22	-.89	-1.24	-1.87	-1.07	18.6	-.68
		30.3	-.30	-.63	-1.05	-1.60	-1.03	33.0	-.66
		45.3	-.28	-.43	-.83	-1.31	-.98	47.9	-.63
		60.3	-.21	-.37	-.64	-1.08	-.93	62.5	-.60
		80.3	-.15	-.29	-.40	-.81	-.82	82.0	-.57
		90.3	-.11	-.18	-.26	-.65	-.75	----	----
	Lower	2.6	----	-.03	-.69	-.66	-.46	6.3	-.39
		7.7	.23	.32	.14	.11	.06	10.9	-.04
		20.2	.26	.34	.31	.26	.23	23.3	----
		35.2	.30	.28	.27	.25	.21	37.9	.11
		50.2	.26	.23	.21	.19	.15	52.6	.05
		65.2	----	.17	.15	.13	.08	67.3	-.03
		85.2	.13	.10	.07	.01	-.10	82.5	----
22	Upper	0	----	-3.45	-3.47	-1.76	-1.18	0	-.70
		1.5	----	-3.33	-2.94	-1.61	-1.17	5.0	-.69
		5.2	-.15	-1.56	-2.56	-1.64	-1.17	8.8	-.69
		10.3	-.20	-1.13	-2.83	-1.70	-1.16	13.4	-.68
		15.2	-.24	-1.11	-2.94	-1.72	-1.16	18.6	-.67
		30.3	-.32	-.63	-1.70	-1.65	-1.11	33.0	-.64
		45.3	-.30	-.49	-1.11	-1.46	-1.08	47.9	-.62
		60.3	-.21	-.48	-.78	-1.25	-1.01	62.5	-.60
		80.3	-.17	-.35	-.51	-.96	-.90	82.0	-.55
		90.3	-.12	-.22	-.33	-.76	-.81	----	----
	Lower	2.6	----	-.13	-.78	-.66	-.58	6.3	-.43
		7.7	.26	.32	.13	.08	0	10.9	-.07
		20.2	.32	.38	.34	.27	.23	23.3	----
		35.2	.34	.33	.30	.27	.23	37.9	.12
		50.2	.30	.26	.24	.22	.17	52.6	.07
		65.2	----	.20	.18	.15	.10	67.3	-.01
		85.2	.15	.12	.08	.02	-.09	82.5	----

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
24	Upper	0	----	-4.07	-3.33	-1.60	-1.04	0	-0.68
		1.5	----	-3.83	-2.41	-1.50	-1.04	5.0	-.68
		5.2	-0.17	-1.65	-2.44	-1.51	-1.07	8.8	-.67
		10.3	-.21	-1.39	-2.51	-1.54	-1.07	13.4	-.66
		15.2	-.26	-1.65	-2.60	-1.54	-1.08	18.6	-.66
		30.3	-.33	-.68	-1.90	-1.48	-1.05	33.0	-.62
		45.3	-.30	-.59	-1.33	-1.34	-1.00	47.9	-.61
		60.3	-.24	-.56	-.98	-1.16	-.94	62.5	-.60
		80.3	-.20	-.47	-.70	-.95	-.83	82.0	-.58
		90.3	-.17	-.32	-.50	-.79	-.75	----	----
	Lower	2.6	----	-.24	-.79	-.69	-.57	6.3	-.45
		7.7	.29	.32	.13	.07	-.01	10.9	-.10
		20.2	.36	.42	.36	.28	.23	23.3	----
		35.2	.38	.36	.32	.29	.23	37.9	.12
		50.2	.34	.30	.26	.23	.18	52.6	.07
		65.2	----	.22	.19	.16	.10	67.3	-.01
		85.2	.17	.12	.07	0	-.09	82.5	----

TABLE XXIX.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0008-63 SECTION. M, 0.11; R, 8.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P					%c for 0.90b/2	P, 0.90b/2
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		
-3	Upper	0	----	0.17	0.24	0.18	-0.04	0	-0.44
		1.5	----	.14	.11	.12	.12	5.0	.13
		5.2	0	.03	.02	.03	.06	8.8	.11
		10.3	0	-.02	-.04	-.03	0	13.4	.06
		15.2	.01	-.06	-.06	-.05	-.03	18.6	.03
		30.3	0	-.08	-.09	-.08	-.06	33.0	-.01
		45.3	-.05	-.09	-.09	-.08	-.06	47.9	-.03
		60.3	-.06	-.08	-.07	-.04	-.05	62.5	-.02
		80.3	-.03	-.04	-.03	-.02	-.02	82.0	.01
		90.3	-.02	.01	.02	.03	.03	----	----
	Lower	2.6	----	-.20	-.36	-.43	-.58	6.3	-.95
		7.7	-.05	-.23	-.33	-.37	-.46	10.9	-.63
		20.2	-.05	-.21	-.27	-.37	-.36	23.3	----
		35.2	-.10	-.19	-.22	-.24	-.27	37.9	-.34
		50.2	-.12	-.16	-.17	-.18	-.20	52.6	-.24
		65.2	----	-.13	-.12	-.12	-.13	67.3	-.16
		85.2	-.06	-.06	-.05	-.04	-.08	82.5	----
-2	Upper	0	----	.20	.26	.23	.10	0	-.11
		1.5	----	.11	.07	.08	.09	5.0	.11
		5.2	0	-.01	-.02	-.02	.01	8.8	.05
		10.3	0	-.05	-.07	-.08	-.05	13.4	-.01
		15.2	0	-.08	-.10	-.09	-.07	18.6	-.04
		30.3	-.02	-.10	-.11	-.10	-.09	33.0	-.06
		45.3	-.06	-.10	-.10	-.10	-.08	47.9	-.06
		60.3	-.07	-.09	-.08	-.07	-.06	62.5	-.04
		80.3	-.04	-.05	-.04	-.02	-.02	82.0	0
		90.3	-.02	.01	.02	.02	.04	----	----
	Lower	2.6	----	-.14	-.26	-.15	-.40	6.3	-.64
		7.7	-.04	-.19	-.27	-.30	-.36	10.9	-.50
		20.2	-.04	-.19	-.23	-.33	-.31	23.3	----
		35.2	-.09	-.17	-.20	-.22	-.23	37.9	-.28
		50.2	-.11	-.15	-.16	-.16	-.17	52.6	-.20
		65.2	----	-.12	-.11	-.11	-.11	67.3	-.14
		85.2	-.05	-.05	-.04	-.03	-.02	82.5	----
-1	Upper	0	----	.21	.28	.27	.17	0	.11
		1.5	----	.07	.02	.02	.02	5.0	.03
		5.2	-.01	-.05	-.07	-.08	-.07	8.8	-.05
		10.3	-.01	-.09	-.11	-.13	-.11	13.4	-.11
		15.2	-.01	-.11	-.13	-.14	-.13	18.6	-.12
		30.3	-.02	-.12	-.13	-.14	-.13	33.0	-.11
		45.3	-.08	-.12	-.12	-.12	-.11	47.9	-.10
		60.3	-.08	-.10	-.10	-.09	-.08	62.5	-.07
		80.3	-.05	-.05	-.04	-.03	-.03	82.0	-.01
		90.3	-.03	.01	.02	.02	.02	----	----
	Lower	2.6	----	-.08	-.17	-.19	-.24	6.3	-.37
		7.7	-.04	-.14	-.21	-.22	-.26	10.9	-.33
		20.2	-.03	-.16	-.20	-.29	-.25	23.3	----
		35.2	-.08	-.16	-.17	-.19	-.20	37.9	-.23
		50.2	-.10	-.14	-.14	-.14	-.15	52.6	-.16
		65.2	----	-.11	-.11	-.10	-.10	67.3	-.11
		85.2	-.05	-.05	-.04	-.03	-.02	82.5	----
0	Upper	0	----	0.22	0.28	0.30	-0.11	0	0.18
		1.5	----	.02	-.04	-.06	-.08	5.0	-.11
		5.2	-0.02	-.09	-.13	-.15	-.16	8.8	-.19
		10.3	-.02	-.12	-.16	-.19	-.19	13.4	-.22
		15.2	-.02	-.14	-.17	-.18	-.18	18.6	-.21
		30.3	-.04	-.13	-.16	-.16	-.16	33.0	-.16
		45.3	-.09	-.13	-.14	-.14	-.13	47.9	-.13
		60.3	-.09	-.11	-.11	-.10	-.10	62.5	-.09
		80.3	-.06	-.06	-.05	-.04	-.04	82.0	-.03
		90.3	-.03	0	.01	.02	.01	----	----
	Lower	2.6	----	-.03	-.09	-.09	-.11	6.3	-.16
		7.7	-.03	-.10	-.16	-.15	-.17	10.9	-.19
		20.2	-.03	-.14	-.17	-.25	-.19	23.3	----
		35.2	-.07	-.14	-.16	-.16	-.16	37.9	-.18
		50.2	-.09	-.13	-.13	-.13	-.13	52.6	-.13
		65.2	----	-.11	-.10	-.09	-.09	67.3	-.09
		85.2	-.05	-.05	-.04	-.03	-.01	82.5	----
1	Upper	0	----	.21	.27	.29	.14	0	-.15
		1.5	----	-.05	-.12	-.18	-.24	5.0	-.35
		5.2	-.03	-.14	-.20	-.24	-.28	8.8	-.39
		10.3	-.03	-.16	-.22	-.25	-.28	13.4	-.37
		15.2	-.03	-.18	-.22	-.24	-.26	18.6	-.33
		30.3	-.06	-.16	-.19	-.21	-.21	33.0	-.24
		45.3	-.10	-.15	-.16	-.17	-.17	47.9	-.18
		60.3	-.10	-.12	-.12	-.12	-.12	62.5	-.12
		80.3	-.06	-.07	-.06	-.05	-.05	82.0	-.04
		90.3	-.04	-.01	.01	.01	.01	----	----
	Lower	2.6	----	.03	-.02	-.01	-.01	6.3	0
		7.7	-.02	-.07	-.10	-.09	-.08	10.9	-.06
		20.2	-.01	-.11	-.14	-.20	-.14	23.3	----
		35.2	-.05	-.12	-.13	-.13	-.13	37.9	-.12
		50.2	-.08	-.11	-.11	-.11	-.10	52.6	-.09
		65.2	----	-.10	-.08	-.07	-.07	67.3	-.07
		85.2	-.04	-.04	-.03	-.02	-.01	82.5	----
2	Upper	0	----	.19	.25	.29	.05	0	.02
		1.5	----	-.11	-.19	-.29	-.40	5.0	-.60
		5.2	-.04	-.19	-.27	-.33	-.39	8.8	-.59
		10.3	-.04	-.20	-.27	-.32	-.37	13.4	-.52
		15.2	-.04	-.20	-.25	-.29	-.32	18.6	-.45
		30.3	-.07	-.18	-.22	-.23	-.25	33.0	-.29
		45.3	-.12	-.16	-.18	-.19	-.19	47.9	-.23
		60.3	-.11	-.13	-.14	-.21	-.14	62.5	-.16
		80.3	-.06	-.07	-.06	-.06	-.06	82.0	-.06
		90.3	-.04	-.01	-.01	.01	0	----	----
	Lower	2.6	----	.07	.03	.05	.07	6.3	.08
		7.7	-.02	-.03	-.06	-.04	-.03	10.9	.01
		20.2	0	-.09	-.11	-.17	-.17	23.3	----
		35.2	-.04	-.11	-.11	-.11	-.18	37.9	-.08
		50.2	-.06	-.10	-.10	-.09	-.16	52.6	-.07
		65.2	----	-.09	-.08	-.06	-.06	67.3	-.05
		85.2	-.04	-.04	-.03	-.02	0	82.5	----

NACA

TABLE XXIX.- CONTINUED

(b) α_u, 3, 4, 6, 8, 10, 12

α_u	Surface	x/c	P 0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	x/c for 0.90b/2	P 0.90b/2
3	Upper	0	----	0.15	0.22	0.16	-0.17	0	-0.27
		1.5	----	-.19	-.16	-.43	-.63	5.0	-.28
		5.2	-0.04	-.24	-.34	-.43	-.53	8.8	-.85
		10.3	-.04	-.24	-.32	-.39	-.47	13.4	-.73
		15.2	-.04	-.23	-.29	-.34	-.47	18.6	-.54
		30.3	-.08	-.19	-.24	-.26	-.29	33.0	-.37
		45.3	-.12	-.17	-.19	-.21	-.22	47.9	-.28
		60.3	-.12	-.14	-.15	-.15	-.16	62.5	-.18
		80.3	-.07	-.07	-.07	-.06	-.07	82.0	-.08
		90.3	-.04	-.01	0	.01	0	----	----
	Lower	2.6	----	.11	.09	-.11	.12	6.3	.13
		7.7	0	.01	-.01	.02	-.04	10.9	.09
		20.2	.02	-.06	-.07	-.13	-.07	23.3	----
		35.2	-.02	-.08	-.08	-.08	-.06	37.9	-.03
		50.2	-.05	-.08	-.08	-.07	-.06	52.6	-.03
		65.2	----	-.07	-.06	-.05	-.04	67.3	-.02
		85.2	-.03	-.03	-.02	0	.01	82.5	----
4	Upper	0	----	.09	.11	-.02	-.35	0	-.68
		1.5	----	-.28	-.43	-.60	-.89	5.0	-1.42
		5.2	-.04	-.30	-.43	-.54	-.69	8.8	-1.18
		10.3	-.05	-.27	-.38	-.47	-.58	13.4	-.87
		15.2	-.05	-.26	-.34	-.40	-.48	18.6	-.70
		30.3	-.09	-.22	-.27	-.30	-.34	33.0	-.52
		45.3	-.13	-.20	-.21	-.23	-.25	47.9	-.33
		60.3	-.13	-.15	-.16	-.16	-.18	62.5	-.22
		80.3	-.07	-.08	-.07	-.07	-.08	82.0	-.10
		90.3	-.05	-.02	0	0	.01	----	----
	Lower	2.6	----	.14	.12	.13	.14	6.3	.12
		7.7	-.01	.04	.03	.06	-.08	10.9	.12
		20.2	.02	-.04	-.04	-.09	-.02	23.3	----
		35.2	-.01	-.07	-.06	-.05	-.04	37.9	0
		50.2	-.03	-.07	-.06	-.05	-.04	52.6	-.01
		65.2	----	-.06	-.05	-.03	-.03	67.3	-.01
		85.2	-.03	-.03	-.02	0	.01	82.5	----
6	Upper	0	----	-.01	-.22	-.48	-1.00	0	-1.91
		1.5	----	-.48	-.74	-.97	-1.51	5.0	-2.54
		5.2	-.05	-.42	-.61	-.79	-1.06	8.8	-1.76
		10.3	-.06	-.36	-.51	-.64	-.88	13.4	-1.37
		15.2	-.06	-.33	-.44	-.53	-.66	18.6	-1.03
		30.3	-.11	-.25	-.32	-.37	-.44	33.0	-.63
		45.3	-.15	-.21	-.24	-.27	-.32	47.9	-.45
		60.3	-.14	-.16	-.18	-.19	-.22	62.5	-.30
		80.3	-.08	-.09	-.08	-.08	-.11	82.0	-.16
		90.3	-.05	-.02	-.01	-.01	-.02	----	----
	Lower	2.6	----	.19	.15	.14	.10	6.3	-.07
		7.7	.04	.10	.10	.12	.24	10.9	.13
		20.2	.05	.01	.02	-.03	.06	23.3	----
		35.2	.03	-.02	-.02	-.01	.02	37.9	.06
		50.2	0	-.04	-.03	-.01	0	52.6	.04
		65.2	----	-.04	-.02	-.01	.01	67.3	.02
		85.2	-.01	-.01	0	.01	.03	82.5	----
8	Upper	0	----	-0.31	-0.64	-1.08	-1.90	0	-3.61
		1.5	----	-.71	-1.11	-1.42	-2.31	5.0	-3.92
		5.2	-0.06	-.55	-.82	-1.08	-1.48	8.8	-2.58
		10.3	-.07	-.44	-.63	-.82	-1.11	13.4	-1.87
		15.2	-.08	-.39	-.54	-.66	-.86	18.6	-1.37
		30.3	-.13	-.29	-.38	-.44	-.55	33.0	-.88
		45.3	-.17	-.24	-.28	-.32	-.39	47.9	-.68
		60.3	-.15	-.19	-.20	-.23	-.27	62.5	-.32
		80.3	-.08	-.10	-.10	-.10	-.14	82.0	-.28
		90.3	-.05	-.02	-.02	-.02	-.05	----	----
	Lower	2.6	----	.21	.13	.07	-.05	6.3	-.28
		7.7	.04	.15	.14	.15	.14	10.9	.04
		20.2	.08	.06	.07	.08	.10	23.3	----
		35.2	.05	.01	.02	.03	.06	37.9	.10
		50.2	.02	-.01	0	.02	.03	52.6	.07
		65.2	----	-.02	-.01	.01	.03	67.3	.03
		85.2	-.01	0	.01	.02	.03	82.5	----
10	Upper	0	----	-.58	-1.15	-1.82	-3.05	0	-5.68
		1.5	----	-.93	-1.52	-1.93	-3.28	5.0	-5.36
		5.2	-.05	-.66	-1.02	-1.36	-1.93	8.8	-3.83
		10.3	-.06	-.50	-.77	-.99	-1.39	13.4	-2.06
		15.2	-.08	-.43	-.63	-.79	-1.03	18.6	-1.53
		30.3	-.14	-.32	-.42	-.50	-.65	33.0	-1.46
		45.3	-.18	-.25	-.29	-.34	-.45	47.9	-1.13
		60.3	-.16	-.18	-.20	-.23	-.32	62.5	-.95
		80.3	-.08	-.10	-.11	-.12	-.18	82.0	-.70
		90.3	-.05	-.02	-.02	-.03	-.08	----	----
	Lower	2.6	----	.17	.07	-.06	-.27	6.3	-.88
		7.7	.07	.20	.17	.16	.11	10.9	-.07
		20.2	.11	.10	.12	.07	.14	23.3	----
		35.2	.09	.06	.06	.08	.10	37.9	.15
		50.2	.06	.03	.04	.06	.07	52.6	.09
		65.2	----	.02	.03	.04	.05	67.3	.03
		85.2	.03	.02	.02	.03	.03	82.5	----
12	Upper	0	----	-.90	-1.73	-2.66	-4.34	0	-4.29
		1.5	----	-1.20	-1.97	-2.49	-4.34	5.0	-1.40
		5.2	-.05	-.79	-1.24	-1.69	-2.41	8.8	-1.31
		10.3	-.07	-.57	-.89	-1.20	-1.67	13.4	-1.20
		15.2	-.09	-.49	-.71	-.92	-1.23	18.6	-1.15
		30.3	-.16	-.34	-.46	-.55	-.77	33.0	-1.10
		45.3	-.18	-.27	-.32	-.40	-.53	47.9	-1.06
		60.3	-.16	-.18	-.24	-.26	-.37	62.5	-1.00
		80.3	-.08	-.10	-.13	-.15	-.28	82.0	-.92
		90.3	-.04	-.02	-.04	-.06	-.15	----	----
	Lower	2.6	----	.17	-.03	-.24	-.59	6.3	-.57
		7.7	.09	.23	.18	.14	.03	10.9	.06
		20.2	.14	.15	.16	.12	.16	23.3	----
		35.2	.13	.10	.10	.12	.14	37.9	.14
		50.2	.10	.07	.07	.09	.10	52.6	.08
		65.2	----	.04	.05	.07	.07	67.3	-.01
		85.2	.05	.04	.04	.04	.03	82.5	----

NACA

TABLE XXIX.- CONCLUDED

(c) α_u, 14, 16, 18, 20, 22, 24

α_u	Surface	%c	P 0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	%c for 0.90b/2	P 0.90b/2
14	Upper	0	----	-1.31	-2.47	-3.74	-5.97	0	-1.22
		1.5	----	-1.54	-2.54	-3.18	-5.63	5.0	-1.20
		5.2	-0.07	-.95	-1.53	-2.06	-2.92	8.8	-1.22
		10.3	-.09	-.68	-1.06	-1.39	-1.90	13.4	-1.10
		15.2	-.12	-.54	-.83	-1.04	-1.39	18.6	-1.08
		30.3	-.19	-.42	-.59	-.68	-1.12	33.0	-1.04
		45.3	-.20	-.29	-.40	-.54	-.53	47.9	-.98
		60.3	-.16	-.19	-.29	-.37	-.59	62.5	-.95
		80.3	-.08	-.11	-.18	-.25	-.50	82.0	-.86
		90.3	-.04	-.02	-.06	-.13	-.34	----	----
	Lower	2.6	----	.16	-.20	-.54	-1.02	6.3	-.47
		7.7	.12	.26	.17	.09	-.22	10.9	.02
		20.2	.17	.20	.20	.14	.18	23.3	----
		35.2	.17	.14	.14	.16	.18	37.9	.13
		50.2	.13	.10	.11	.13	.13	52.6	.06
		65.2	----	.08	.08	.09	.08	67.3	-.03
		85.2	.07	.06	.05	.04	-.01	82.5	----
16	Upper	0	----	-1.74	-3.25	-4.80	-6.63	0	-.92
		1.5	----	-1.82	-3.11	-3.75	-5.27	5.0	-.92
		5.2	-.08	-1.08	-1.76	-2.30	-2.01	8.8	-.89
		10.3	-.11	-.74	-1.16	-1.38	-1.71	13.4	-.86
		15.2	-.14	-.65	-.93	-1.15	-1.72	18.6	-.86
		30.3	-.20	-.44	-.76	-1.05	-1.76	33.0	-.81
		45.3	-.21	-.29	-.42	-.60	-1.09	47.9	-.79
		60.3	-.18	-.20	-.30	-.42	-.94	62.5	-.77
		80.3	-.08	-.14	-.20	-.40	-.79	82.0	-.71
		90.3	-.05	-.05	-.11	-.27	-.64	----	----
	Lower	2.6	----	.12	-.40	-.82	-1.23	6.3	-.40
		7.7	.15	.28	.15	.03	-.10	10.9	0
		20.2	.21	.24	.22	.17	.23	23.3	----
		35.2	.20	.18	.18	.19	.21	37.9	.11
		50.2	.17	.14	.14	.15	.14	52.6	.04
		65.2	----	.10	.11	.11	.08	67.3	-.05
		85.2	.09	.07	.06	.03	-.05	82.5	----
18	Upper	0	----	-2.24	-4.09	-5.65	-4.18	0	-.76
		1.5	----	-2.18	-3.68	-3.75	-1.55	5.0	-.75
		5.2	-.13	-1.23	-1.86	-1.93	-1.35	8.8	-.75
		10.3	-.15	-.86	-1.35	-1.71	-1.24	13.4	-.75
		15.2	-.18	-.82	-1.39	-1.78	-1.18	18.6	-.75
		30.3	-.23	-.43	-.89	-1.80	-1.09	33.0	-.73
		45.3	-.21	-.34	-.41	-1.12	-1.03	47.9	-.73
		60.3	-.17	-.27	-.32	-.63	-.93	62.5	-.70
		80.3	-.10	-.19	-.26	-.57	-.80	82.0	-.66
		90.3	-.07	-.10	-.18	-.43	-.73	----	----
	Lower	2.6	----	.01	-.64	-1.11	-.96	6.3	-.40
		7.7	.18	.28	.11	-.03	0	10.9	-.02
		20.2	.23	.27	.25	.21	.24	23.3	----
		35.2	.24	.22	.21	.22	.21	37.9	.09
		50.2	.20	.16	.16	.17	.14	52.6	.03
		65.2	----	.12	.12	.11	.06	67.3	-.06
		85.2	.10	.07	.05	.01	-.09	82.5	----
20	Upper	0	----	-2.76	-4.90	-5.76	-2.47	0	-0.81
		1.5	----	-2.50	-3.98	-2.55	-1.02	5.0	-.94
		5.2	-0.13	-1.35	-1.94	-2.00	-1.07	8.8	-.79
		10.3	-.16	-1.07	-2.07	-1.97	-1.10	13.4	-.77
		15.2	-.20	-1.00	-2.22	-2.02	-1.12	18.6	-.75
		30.3	-.26	-.46	-1.00	-1.95	-1.07	33.0	-.73
		45.3	-.22	-.38	-.38	-1.26	-1.00	47.9	-.71
		60.3	-.17	-.32	-.47	-1.06	-.93	62.5	-.70
		80.3	-.12	-.26	-.38	-.73	-.86	82.0	-.65
		90.3	-.09	-.14	-.23	-.56	-.78	----	----
	Lower	2.6	----	-.07	-.89	-1.26	-.79	6.3	-.46
		7.7	.21	.29	.07	-.04	-.01	10.9	-.07
		20.2	.28	.32	.29	.25	.23	23.3	----
		35.2	.29	.27	.26	.26	.22	37.9	.11
		50.2	.25	.22	.21	.20	.15	52.6	.05
		65.2	----	.16	.15	.13	.08	67.3	-.04
		85.2	.13	.10	.07	.01	-.09	82.5	----
22	Upper	0	----	-3.35	-5.63	-5.59	-2.74	0	-.82
		1.5	----	-2.86	-3.88	-2.82	-1.21	5.0	-.80
		5.2	-.16	-1.48	-2.40	-2.01	-1.23	8.8	-.78
		10.3	-.19	-1.40	-2.54	-2.03	-1.25	13.4	-.76
		15.2	-.21	-1.00	-2.79	-2.00	-1.25	18.6	-.75
		30.3	-.27	-.49	-1.30	-1.87	-1.17	33.0	-.74
		45.3	-.22	-.41	-.47	-1.49	-1.09	47.9	-.71
		60.3	-.16	-.36	-.63	-1.16	-1.02	62.5	-.71
		80.3	-.13	-.30	-.41	-.82	-.93	82.0	-.63
		90.3	-.10	-.16	-.25	-.62	-.82	----	----
	Lower	2.6	----	-.20	-1.16	-1.37	-.96	6.3	-.54
		7.7	.25	.29	.02	-.06	-.09	10.9	-.10
		20.2	.31	.36	.31	.27	.24	23.3	----
		35.2	.33	.31	.30	.28	.24	37.9	.12
		50.2	.29	.26	.24	.23	.18	52.6	.07
		65.2	----	.20	.18	.16	.10	67.3	-.01
		85.2	.16	.12	.09	.03	-.08	82.5	----
24	Upper	0	----	-3.95	-6.11	-4.76	-2.85	0	-.80
		1.5	----	-3.17	-3.37	-1.91	-1.35	5.0	-.77
		5.2	-.17	-1.69	-2.72	-1.91	-1.30	8.8	-.75
		10.3	-.20	-1.73	-2.91	-1.92	-1.30	13.4	-.75
		15.2	-.22	-.94	-3.51	-1.88	-1.29	18.6	-.75
		30.3	-.28	-.53	-1.61	-1.88	-1.19	33.0	-.72
		45.3	-.23	-.47	-.89	-1.57	-1.12	47.9	-.69
		60.3	-.20	-.41	-.77	-1.25	-1.07	62.5	-.68
		80.3	-.15	-.35	-.50	-.93	-.97	82.0	-.59
		90.3	-.10	-.23	-.33	-.72	-.84	----	----
	Lower	2.6	----	-.36	-1.42	-1.37	-1.11	6.3	-.55
		7.7	.28	.27	-.03	-.09	-.14	10.9	-.12
		20.2	.35	.40	.34	.27	.24	23.3	----
		35.2	.37	.36	.33	.30	.26	37.9	.14
		50.2	.33	.30	.27	.25	.20	52.6	.09
		65.2	----	.23	.21	.18	.12	67.3	.01
		85.2	.18	.14	.10	.03	-.07	82.5	----

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TABLE XXX.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0008-63 SECTION. M, 0.24; R, 8.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	x/c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	x/c for 0.90b/2	P 0.90b/2
-3	Upper	0	----	0.16	0.22	0.16	-0.08	0	-0.50
		1.5	----	.14	.11	.12	.13	5.0	.13
		5.2	0	.03	.02	.03	.06	8.8	.11
		10.3	0	-.02	-.04	-.03	.01	13.4	.07
		15.2	.01	-.06	-.06	-.05	-.03	18.6	.03
		30.3	0	-.08	-.09	-.08	-.06	33.0	-.02
		45.3	-.05	-.09	-.09	-.08	-.06	47.9	-.04
		60.3	-.06	-.08	-.04	-.06	-.05	62.5	-.02
		80.3	-.04	-.05	-.03	-.02	-.01	82.0	.01
		90.3	-.02	0	.02	.03	.03	----	----
	Lower	2.6	----	-.21	-.38	-.47	-.63	6.3	-1.04
		7.7	-.04	-.24	-.35	-.40	-.49	10.9	-.65
		20.2	-.05	-.22	-.28	-.39	-.38	23.3	----
		35.2	-.11	-.20	-.26	-.25	-.28	37.9	-.36
		50.2	-.12	-.16	-.18	-.19	-.21	52.6	-.25
		65.2	----	-.14	-.13	-.13	-.14	67.3	-.18
		85.2	-.06	-.06	-.05	-.04	-.04	82.5	----
-2	Upper	0	----	.20	.25	.22	.09	0	-.11
		1.5	----	.11	.07	.07	.10	5.0	.11
		5.2	0	-.01	-.02	-.02	0	8.8	.04
		10.3	-.01	-.06	-.08	-.08	-.05	13.4	-.02
		15.2	0	-.08	-.10	-.10	-.08	18.6	-.05
		30.3	-.02	-.10	-.12	-.11	-.10	33.0	-.07
		45.3	-.07	-.11	-.11	-.10	-.09	47.9	-.07
		60.3	-.07	-.09	-.09	-.08	-.07	62.5	-.05
		80.3	-.04	-.05	-.04	-.02	-.02	82.0	-.01
		90.3	-.02	0	.02	.02	.02	----	----
	Lower	2.6	----	-.14	-.26	-.31	-.40	6.3	-.64
		7.7	-.03	-.19	-.27	-.30	-.36	10.9	-.50
		20.2	-.04	-.19	-.24	-.33	-.31	23.3	----
		35.2	-.09	-.18	-.20	-.22	-.24	37.9	-.29
		50.2	-.11	-.14	-.15	-.16	-.18	52.6	-.20
		65.2	----	-.12	-.12	-.11	-.12	67.3	-.14
		85.2	-.06	-.05	-.04	-.03	-.03	82.5	----
-1	Upper	0	----	.21	.27	.26	.17	0	.11
		1.5	----	.07	.02	.01	.04	5.0	.03
		5.2	-.01	-.05	-.08	-.09	-.07	8.8	-.06
		10.3	-.01	-.09	-.12	-.14	-.11	13.4	-.11
		15.2	-.01	-.11	-.14	-.14	-.13	18.6	-.13
		30.3	-.03	-.12	-.14	-.14	-.13	33.0	-.12
		45.3	-.08	-.12	-.12	-.12	-.11	47.9	-.11
		60.3	-.08	-.10	-.10	-.09	-.08	62.5	-.07
		80.3	-.05	-.06	-.04	-.03	-.03	82.0	-.01
		90.3	-.03	0	.01	.02	.02	----	----
	Lower	2.6	----	-.08	-.17	-.19	-.25	6.3	-.37
		7.7	-.03	-.13	-.21	-.22	-.26	10.9	-.33
		20.2	-.03	-.17	-.20	-.29	-.25	23.3	----
		35.2	-.08	-.16	-.18	-.19	-.20	37.9	-.23
		50.2	-.10	-.14	-.15	-.14	-.15	52.6	-.16
		65.2	----	-.11	-.11	-.10	-.10	67.3	-.11
		85.2	-.05	-.05	-.04	-.03	-.02	82.5	----
0	Upper	0	----	0.22	0.28	0.30	0.19	0	0.18
		1.5	----	.02	.16	-.07	-.08	5.0	-.12
		5.2	-0.02	-.09	-.13	-.16	-.16	8.8	-.20
		10.3	-.02	-.12	-.17	-.19	-.19	13.4	-.23
		15.2	-.02	-.14	-.18	-.19	-.19	18.6	-.22
		30.3	-.04	-.14	-.16	-.17	-.17	33.0	-.17
		45.3	-.09	-.13	-.14	-.14	-.14	47.9	-.14
		60.3	-.09	-.11	-.11	-.10	-.10	62.5	-.09
		80.3	-.06	-.06	-.05	-.04	-.03	82.0	-.02
		90.3	-.03	0	.01	.02	.02	----	----
	Lower	2.6	----	-.02	-.09	-.09	.11	6.3	-.16
		7.7	-.02	-.10	-.15	-.15	-.17	10.9	-.18
		20.2	-.02	-.14	-.17	-.24	-.19	23.3	----
		35.2	-.06	-.14	-.15	-.16	-.16	37.9	-.17
		50.2	-.09	-.12	-.13	-.12	-.12	52.6	-.12
		65.2	----	-.10	-.09	-.09	-.08	67.3	-.08
		85.2	-.05	-.04	-.03	-.02	-.01	82.5	----
1	Upper	0	----	.21	.27	.29	.13	0	.15
		1.5	----	-.05	-.11	-.18	-.22	5.0	-.35
		5.2	-.03	-.14	-.20	-.25	-.28	8.8	-.39
		10.3	-.03	-.17	-.22	-.26	-.28	13.4	-.38
		15.2	-.03	-.17	-.22	-.24	-.26	18.6	-.33
		30.3	-.06	-.16	-.19	-.21	-.22	33.0	-.24
		45.3	-.11	-.15	-.16	-.17	-.18	47.9	-.19
		60.3	-.10	-.13	-.13	-.12	-.13	62.5	-.12
		80.3	-.06	-.07	-.06	-.05	-.05	82.0	-.04
		90.3	-.04	-.01	.01	.01	.01	----	----
	Lower	2.6	----	.03	-.02	-.01	-.01	6.3	.01
		7.7	-.02	-.07	-.10	-.09	-.09	10.9	-.06
		20.2	-.01	-.11	-.13	-.21	-.14	23.3	----
		35.2	-.05	-.12	-.13	-.14	-.13	37.9	-.12
		50.2	-.08	-.11	-.11	-.11	-.10	52.6	-.09
		65.2	----	-.09	-.09	-.07	-.07	67.3	-.06
		85.2	-.04	-.04	-.03	-.02	0	82.5	----
2	Upper	0	----	.19	.24	.28	.04	0	0
		1.5	----	-.12	-.20	-.30	-.41	5.0	-.64
		5.2	-.03	-.19	-.27	-.33	-.40	8.8	-.61
		10.3	-.03	-.20	-.27	-.32	-.37	13.4	-.54
		15.2	-.03	-.20	-.25	-.29	-.33	18.6	-.47
		30.3	-.07	-.18	-.21	-.23	-.25	33.0	-.29
		45.3	-.11	-.16	-.17	-.18	-.19	47.9	-.23
		60.3	-.11	-.14	-.13	-.13	-.14	62.5	-.16
		80.3	-.07	-.07	-.06	-.05	-.05	82.0	-.06
		90.3	-.04	-.01	.01	.01	.01	----	----
	Lower	2.6	----	.08	.04	.06	.08	6.3	.10
		7.7	0	-.03	-.05	-.03	-.01	10.9	.03
		20.2	.01	-.08	-.10	-.16	-.09	23.3	----
		35.2	-.03	-.10	-.10	-.10	-.09	37.9	-.07
		50.2	-.06	-.09	-.09	-.09	-.08	52.6	-.06
		65.2	----	-.08	-.07	-.06	-.05	67.3	-.04
		85.2	-.03	-.03	-.02	-.01	.01	82.5	----

TABLE XXX.- CONTINUED

(b) α_u, 3, 4, 6, 8, 10, 12

α_u	Surface	$\%_c$	P					$\%_c$ for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
3	Upper	0	----	0.14	0.20	0.14	-0.13	0	-0.28
		1.5	----	-.20	-.31	-.44	-.64	5.0	-1.02
		5.2	-0.04	-.24	-.35	-.44	-.55	8.8	-.88
		10.3	-.04	-.24	-.33	-.40	-.48	13.4	-.76
		15.2	-.04	-.23	-.30	-.35	-.42	18.6	-.55
		30.3	-.08	-.20	-.24	-.27	-.30	33.0	-.38
		45.3	-.13	-.18	-.19	-.21	-.23	47.9	-.29
		60.3	-.12	-.14	-.15	-.16	-.17	62.5	-.19
		80.3	-.07	-.08	-.07	-.06	-.07	82.0	-.08
		90.3	-.04	-.02	0	0	0	----	----
	Lower	2.6	----	.11	.09	.11	.12	6.3	.13
		7.7	0	.01	-.01	.02	.04	10.9	.09
		20.2	.02	-.06	-.07	-.13	-.05	23.3	----
		35.2	-.02	-.08	-.09	-.08	-.06	37.9	-.03
		50.2	-.05	-.08	-.08	-.07	-.06	52.6	-.03
		65.2	----	-.07	-.06	-.05	-.04	67.3	-.02
		85.2	-.03	-.03	-.01	-.01	.01	82.5	----
4	Upper	0	----	.08	.08	-.05	-.37	0	-.73
		1.5	----	-.29	-.45	-.63	-.91	5.0	-1.49
		5.2	-.04	-.31	-.44	-.56	-.72	8.8	-1.24
		10.3	-.05	-.28	-.40	-.48	-.60	13.4	-.91
		15.2	-.06	-.27	-.36	-.42	-.50	18.6	-.73
		30.3	-.10	-.22	-.27	-.31	-.36	33.0	-.47
		45.3	-.14	-.20	-.21	-.24	-.26	47.9	-.35
		60.3	-.13	-.16	-.16	-.17	-.19	62.5	-.23
		80.3	-.08	-.09	-.08	-.07	-.08	82.0	-.10
		90.3	-.05	-.02	-.01	0	-.01	----	----
	Lower	2.6	----	.14	.12	.13	-.16	6.3	-.17
		7.7	.01	.04	.03	.06	.09	10.9	.13
		20.2	.03	-.04	-.04	-.09	-.01	23.3	----
		35.2	-.01	-.06	-.07	-.06	-.04	37.9	.01
		50.2	-.04	-.07	-.06	-.05	-.04	52.6	0
		65.2	----	-.06	-.05	-.04	-.02	67.3	-.01
		85.2	-.02	-.02	-.01	0	.01	82.5	----
6	Upper	0	----	-.09	-.26	-.53	-1.04	0	-1.99
		1.5	----	-.49	-.76	-1.01	-1.56	5.0	-2.62
		5.2	-.05	-.43	-.63	-.82	-1.09	8.8	-1.80
		10.3	-.06	-.37	-.53	-.66	-.86	13.4	-1.41
		15.2	-.07	-.33	-.45	-.55	-.69	18.6	-1.07
		30.3	-.12	-.26	-.33	-.38	-.46	33.0	-.66
		45.3	-.16	-.25	-.25	-.28	-.33	47.9	-.48
		60.3	-.15	-.18	-.19	-.20	-.23	62.5	-.33
		80.3	-.08	-.10	-.09	-.08	-.11	82.0	-.17
		90.3	-.05	-.02	-.01	-.01	-.02	----	----
	Lower	2.6	----	.19	.15	.14	.10	6.3	-.08
		7.7	.03	.10	.10	.12	.14	10.9	.13
		20.2	.05	.01	.02	-.03	.06	23.3	----
		35.2	.03	-.02	-.02	-.01	.02	37.9	.06
		50.2	0	-.04	-.03	-.01	0	52.6	.04
		65.2	----	-.04	-.02	-.01	.01	67.3	.02
		85.2	-.01	-.01	0	-.02	.02	82.5	----

α_u	Surface	$\%_c$	P					$\%_c$ for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
8	Upper	0	----	-0.30	-0.66	-1.10	-1.90	0	-3.62
		1.5	----	-.71	-1.12	-1.46	-2.35	5.0	-4.01
		5.2	-0.06	-.54	-.83	-1.09	-1.48	8.8	-2.57
		10.3	-.06	-.44	-.65	-.83	-1.12	13.4	-1.85
		15.2	-.09	-.39	-.53	-.68	-.88	18.6	-1.37
		30.3	-.14	-.30	-.38	-.45	-.56	33.0	-.92
		45.3	-.18	-.24	-.28	-.33	-.39	47.9	-.72
		60.3	-.16	-.18	-.21	-.23	-.28	62.5	-.49
		80.3	-.08	-.10	-.10	-.10	-.13	82.0	-.31
		90.3	-.05	-.02	-.01	-.02	-.05	----	----
	Lower	2.6	----	.20	.13	.08	-.03	6.3	-.39
		7.7	.05	.38	.14	.15	.14	10.9	.06
		20.2	.08	.06	.07	.02	.11	23.3	----
		35.2	.06	.02	.02	.04	.06	37.9	.11
		50.2	.03	0	.01	.02	.04	52.6	.07
		65.2	----	-.01	0	.02	.03	67.3	0
		85.2	.01	0	.02	.02	.03	82.5	----
10	Upper	0	----	-.58	-1.19	-1.65	-3.06	0	-5.40
		1.5	----	-.98	-1.56	-2.02	-3.38	5.0	-4.61
		5.2	-.08	-.69	-1.05	-1.42	-2.00	8.8	-2.89
		10.3	-.07	-.54	-.80	-1.04	-1.42	13.4	-2.39
		15.2	-.10	-.48	-.64	-.81	-1.08	18.6	-1.93
		30.3	-.14	-.33	-.42	-.52	-.69	33.0	-1.36
		45.3	-.17	-.28	-.31	-.37	-.48	47.9	-1.13
		60.3	-.16	-.19	-.23	-.25	-.33	62.5	-.98
		80.3	-.09	-.11	-.11	-.11	-.19	82.0	-.76
		90.3	-.05	-.02	-.04	-.04	-.09	----	----
	Lower	2.6	----	.22	.09	-.04	-.27	6.3	-.66
		7.7	.08	.20	.17	.16	.11	10.9	.04
		20.2	.11	.11	.11	.07	.14	23.3	----
		35.2	.09	.06	.06	.08	.10	37.9	.14
		50.2	.06	.03	.04	.05	.07	52.6	.08
		65.2	----	.01	.03	.04	.05	67.3	.01
		85.2	.03	.02	.05	.05	.03	82.5	----
12	Upper	0	----	-.89	-1.77	-2.66	-4.37	0	-1.99
		1.5	----	-1.23	-2.04	-2.62	-4.47	5.0	-1.40
		5.2	-.07	-.81	-2.28	-1.73	-2.45	8.8	-1.23
		10.3	-.08	-.59	-.94	-1.23	-1.70	13.4	-1.17
		15.2	-.10	.50	-.75	-.94	-1.26	18.6	-1.15
		30.3	-.18	-.38	-.48	-.60	-.85	33.0	-1.08
		45.3	-.19	-.29	-.35	-.42	-.56	47.9	-1.01
		60.3	-.16	-.19	-.27	-.30	-.42	62.5	-.94
		80.3	-.08	-.11	-.13	-.14	-.28	82.0	-.82
		90.3	-.05	-.02	-.05	-.07	-.16	----	----
	Lower	2.6	----	.21	-.04	-.24	-.59	6.3	-.42
		7.7	.10	.24	.18	.14	.04	10.9	.07
		20.2	.14	.15	.15	.11	.17	23.3	----
		35.2	.13	.10	.10	.12	.14	37.9	.13
		50.2	.09	.07	.07	.09	.11	52.6	.07
		65.2	----	.05	.05	.06	.07	67.3	-.01
		85.2	.05	.04	.04	.04	.02	82.5	----

NACA

TABLE XXX.- CONCLUDED

(c) α_u, 14, 16, 18, 20

α_u	Surface	$\%_o$	P					$\%_o$ for 0.90b/2	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		0.90b/2
14	Upper	0	----	-1.27	-2.48	-3.68	-5.86	0	-1.21
		1.5	----	-1.52	-2.58	-3.28	-5.68	5.0	-1.17
		5.2	-0.07	-.95	-1.53	-2.08	-2.86	8.8	-1.11
		10.3	-.10	-.68	-1.08	-1.41	-1.80	13.4	-1.06
		15.2	-.12	-.57	-.83	-1.07	-1.45	18.6	-1.04
		30.3	-.19	-.44	-.56	-.69	-1.35	33.0	-.97
		45.3	-.21	-.30	-.43	-.49	-.72	47.9	-.91
		60.3	-.16	-.21	-.31	-.39	-.73	62.5	-.87
		80.3	-.09	-.12	-.17	-.26	-.45	82.0	-.78
		90.3	-.05	-.04	-.07	-.14	-.30	----	----
	Lower	2.6	----	.19	-.18	-.48	-.94	6.3	-.42
		7.7	.13	.26	.18	.10	-.05	10.9	.02
		20.2	.17	.20	.19	.14	.19	23.3	----
		35.2	.16	.14	.14	.15	.18	37.9	.12
		50.2	.13	.10	.11	.12	.13	52.6	.06
		65.2	----	.07	.08	.09	.08	67.3	-.03
		85.2	.07	.05	.05	.04	-.01	82.5	----
16	Upper	0	----	-1.73	-3.29	-4.85	-6.37	0	-.95
		1.5	----	-1.87	-3.23	-3.78	-4.86	5.0	-.94
		5.2	-.10	-1.12	-1.79	-2.36	-1.99	8.8	-.94
		10.3	-.12	-.77	-1.18	-1.47	-1.91	13.4	-.89
		15.2	-.16	-.68	-.92	-1.18	-1.93	18.6	-.89
		30.3	-.22	-.45	-.78	-1.00	-1.31	33.0	-.83
		45.3	-.24	-.31	-.54	-.50	-1.10	47.9	-.80
		60.3	-.19	-.24	-.33	-.48	-.99	62.5	-.77
		80.3	-.09	-.15	-.21	-.40	-.81	82.0	-.71
		90.3	-.06	-.06	-.12	-.30	-.66	----	----
	Lower	2.6	----	.12	-.40	-.79	-1.07	6.3	-.42
		7.7	.16	.28	.15	.04	-.03	10.9	0
		20.2	.21	.24	.22	.17	.24	23.3	----
		35.2	.21	.18	.18	.19	.20	37.9	.09
		50.2	.17	.14	.14	.15	.13	52.6	.04
		65.2	----	.10	.11	.10	.07	67.3	-.06
		85.2	.09	.07	.06	.03	-.06	82.5	----

α_u	Surface	$\%_o$	P					$\%_o$ for 0.90b/2	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2		0.90b/2
18	Upper	0	----	-2.20	-4.12	-5.82	-3.21	0	-0.83
		1.5	----	-2.18	-3.80	-3.90	-1.18	5.0	-.83
		5.2	-0.14	-1.23	-1.93	-2.02	-1.13	8.8	-.83
		10.3	-.15	-.86	-1.23	-1.56	-1.12	13.4	-.80
		15.2	-.17	-.82	-1.16	-1.66	-1.10	18.6	-.80
		30.3	-.24	-.43	-1.09	-1.89	-1.04	33.0	-.76
		45.3	-.23	-.34	-1.09	-.77	-.95	47.9	-.72
		60.3	-.16	-.26	-.36	-.81	-.89	62.5	-.69
		80.3	-.10	-.21	-.31	-.64	-.81	82.0	-.68
		90.3	-.08	-.12	-.19	-.48	-.75	----	----
	Lower	2.6	----	-.10	-.60	-1.06	-.73	6.3	-.40
		7.7	.19	.29	-.51	-.01	.04	10.9	-.04
		20.2	.24	.28	-.38	.21	.24	23.3	----
		35.2	.24	.22	.22	.22	.20	37.9	.09
		50.2	.20	.17	.17	.17	.13	52.6	.03
		65.2	----	.13	.12	.11	.06	67.3	-.07
		85.2	.20	.08	.05	.01	-.10	82.5	----
20	Upper	0	----	-2.78	-5.08	-6.27	-2.19	0	-.83
		1.5	----	-2.56	-4.35	-2.96	-1.01	5.0	-.82
		5.2	-.15	-1.37	-1.86	-1.91	-1.01	8.8	-.83
		10.3	-.17	-1.07	-1.62	-1.91	-1.02	13.4	-.79
		15.2	-.20	-1.03	-1.75	-1.96	-1.01	18.6	-.79
		30.3	-.26	-.45	-1.38	-1.80	-.98	33.0	-.76
		45.3	-.24	-.38	-.43	-1.15	-.93	47.9	-.74
		60.3	-.17	-.32	-.48	-1.01	-.89	62.5	-.72
		80.3	-.13	-.29	-.46	-.78	-.82	82.0	-.69
		90.3	-.11	-.17	-.30	-.63	-.78	----	----
	Lower	2.6	----	-.06	-.85	-1.24	-.64	6.3	-.47
		7.7	.22	.30	.08	-.03	.04	10.9	-.07
		20.2	.28	.32	.29	.25	.24	23.3	----
		35.2	.29	.27	.26	.23	.21	37.9	.09
		50.2	.23	.22	.20	.19	.14	52.6	-.03
		65.2	----	.16	.13	.12	.06	67.3	-.06
		85.2	.12	.09	.06	0	-.11	82.5	----

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TABLE XXXI.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0008-63 SECTION. M, 0.40; R, 8.0 MILLION

(a) α_u, -2, -1, 0, 1, 2, 3

α_u	Surface	x/c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	x/c for P 0.90b/2	P 0.90b/2
-2	Upper	0	----	0.19	0.24	0.21	0.09	0	-0.09
		1.5	----	.10	.06	.06	.08	5.0	.10
		5.2	-0.01	-.02	-.04	-.04	-.02	8.8	.02
		10.3	-.01	-.07	-.10	-.10	-.07	13.4	-.03
		15.2	-.01	-.10	-.12	-.12	-.10	18.6	-.06
		30.3	-.03	-.11	-.13	-.12	-.11	33.0	-.08
		45.3	-.08	-.12	-.12	-.12	-.10	47.9	-.09
		60.3	-.04	-.10	-.10	-.09	-.08	62.5	-.06
		80.3	-.05	-.06	-.05	-.03	-.03	82.0	-.01
		90.3	-.03	-.01	.01	.02	.02	----	----
	Lower	2.6	----	-.14	-.26	-.31	-.40	6.3	-.64
		7.7	-.04	-.19	-.28	-.30	-.37	10.9	-.50
		20.2	-.04	-.20	-.25	-.34	-.32	23.3	----
		35.2	-.10	-.18	-.21	-.23	-.25	37.9	-.30
		50.2	-.12	-.16	-.17	-.18	-.19	52.6	-.21
		65.2	----	-.14	-.13	-.12	-.13	67.3	-.15
		85.2	-.07	-.06	-.05	-.04	-.03	82.5	----
-1	Upper	0	----	.21	.26	.26	.16	0	.12
		1.5	----	.05	.01	-.01	.01	5.0	.01
		5.2	-.02	-.06	-.09	-.11	-.10	8.8	-.08
		10.3	-.02	-.10	-.14	-.15	-.14	13.4	-.13
		15.2	-.02	-.12	-.15	-.16	-.15	18.6	-.14
		30.3	-.04	-.13	-.15	-.15	-.15	33.0	-.13
		45.3	-.09	-.13	-.13	-.13	-.12	47.9	-.12
		60.3	-.09	-.11	-.11	-.10	-.09	62.5	-.08
		80.3	-.06	-.07	-.05	-.04	-.03	82.0	-.02
		90.3	-.03	-.01	.01	.02	-.02	----	----
	Lower	2.6	----	-.07	-.16	-.19	-.24	6.3	-.36
		7.7	-.03	-.14	-.21	-.22	-.26	10.9	-.32
		20.2	-.03	-.17	-.21	-.29	-.25	23.3	----
		35.2	-.08	-.16	-.18	-.20	-.20	37.9	-.23
		50.2	-.11	-.14	-.15	-.15	-.16	52.6	-.16
		65.2	----	-.12	-.11	-.11	-.11	67.3	-.11
		85.2	-.06	-.05	-.04	-.03	-.02	82.5	----
0	Upper	0	----	.22	.27	.28	.17	0	.17
		1.5	----	0	-.05	-.09	-.10	5.0	-.15
		5.2	-.03	-.10	-.15	-.18	-.19	8.8	-.23
		10.3	-.03	-.14	-.19	-.21	-.24	13.4	-.26
		15.2	-.03	-.15	-.19	-.21	-.24	18.6	-.24
		30.3	-.05	-.15	-.18	-.19	-.19	33.0	-.19
		45.3	-.10	-.15	-.15	-.16	-.15	47.9	-.16
		60.3	-.10	-.12	-.12	-.12	-.11	62.5	-.11
		80.3	-.07	-.08	-.06	-.05	-.04	82.0	-.03
		90.3	-.04	-.01	0	.01	.01	----	----
	Lower	2.6	----	-.02	-.09	-.09	-.11	6.3	-.15
		7.7	-.02	-.11	-.16	-.16	-.17	10.9	-.19
		20.2	-.02	-.15	-.18	-.23	-.20	23.3	----
		35.2	-.07	-.15	-.16	-.17	-.17	37.9	-.18
		50.2	-.10	-.13	-.14	-.14	-.14	52.6	-.13
		65.2	----	-.16	-.10	-.10	-.09	67.3	-.09
		85.2	-.06	-.05	-.04	-.03	-.02	82.5	----
1	Upper	0	----	0.21	0.26	0.28	0.12	0	0.14
		1.5	----	-.06	-.12	-.19	-.24	5.0	-.38
		5.2	-0.03	-.15	-.21	-.26	-.30	8.8	-.42
		10.3	-.03	-.17	-.24	-.27	-.30	13.4	-.40
		15.2	-.03	-.18	-.23	-.26	-.28	18.6	.35
		30.3	-.06	-.17	-.20	-.22	-.23	33.0	-.26
		45.3	-.11	-.16	-.17	-.18	-.18	47.9	-.20
		60.3	-.11	-.13	-.13	-.13	-.13	62.5	-.13
		80.3	-.07	-.06	-.06	-.05	-.05	82.0	-.05
		90.3	-.04	-.01	.01	.01	.01	----	----
	Lower	2.6	----	.03	-.02	-.01	0	6.3	0
		7.7	-.01	-.06	-.10	-.09	-.08	10.9	-.06
		20.2	-.01	-.12	-.14	-.21	-.14	23.3	----
		35.2	-.05	-.12	-.13	-.14	-.13	37.9	-.12
		50.2	-.08	-.12	-.12	-.11	-.10	52.6	-.09
		65.2	----	-.10	-.09	-.08	-.07	67.3	-.06
		85.2	-.05	-.04	-.03	-.02	-.01	82.5	----
2	Upper	0	----	.18	.23	.25	.03	0	-.01
		1.5	----	-.13	-.21	-.31	-.42	5.0	-.63
		5.2	-.04	-.20	-.28	-.35	-.42	8.8	-.64
		10.3	-.04	-.21	-.29	-.34	-.39	13.4	-.56
		15.2	-.04	-.21	-.27	-.31	-.35	18.6	-.50
		30.3	-.08	-.19	-.23	-.25	-.27	33.0	-.31
		45.3	-.12	-.17	-.19	-.20	-.21	47.9	-.25
		60.3	-.12	-.14	-.15	-.14	-.15	62.5	-.17
		80.3	-.06	-.08	-.07	-.06	-.06	82.0	-.06
		90.3	-.05	-.02	0	.01	.01	----	----
	Lower	2.6	----	.07	.04	.06	.07	6.3	.06
		7.7	0	-.03	-.06	-.04	-.02	10.9	.02
		20.2	0	-.09	-.11	-.17	-.10	23.3	----
		35.2	-.04	-.11	-.11	-.11	-.10	37.9	-.08
		50.2	-.07	-.10	-.10	-.09	-.08	52.6	-.06
		65.2	----	-.09	-.08	-.07	-.06	67.3	-.05
		85.2	-.04	-.04	-.02	-.01	0	82.5	----
3	Upper	0	----	.14	.18	.11	-.14	0	-.30
		1.5	----	-.21	-.32	-.47	-.66	5.0	-1.07
		5.2	-.04	-.25	-.37	-.46	-.58	8.8	-.92
		10.3	-.04	-.25	-.35	-.42	-.50	13.4	-.81
		15.2	-.05	-.24	-.32	-.37	-.43	18.6	-.57
		30.3	-.09	-.21	-.25	-.29	-.32	33.0	-.40
		45.3	-.14	-.19	-.21	-.22	-.24	47.9	-.30
		60.3	-.13	-.15	-.16	-.16	-.17	62.5	-.20
		80.3	-.08	-.09	-.08	-.07	-.07	82.0	-.08
		90.3	-.05	-.02	0	0	0	----	----
	Lower	2.6	----	.11	.08	.10	.12	6.3	.12
		7.7	0	.01	-.01	.02	.04	10.9	.09
		20.2	.02	-.06	-.08	-.13	-.05	23.3	----
		35.2	-.02	-.09	-.09	-.09	-.07	37.9	-.03
		50.2	-.05	-.09	-.08	-.08	-.06	52.6	-.03
		65.2	----	-.08	-.07	-.05	-.04	67.3	-.02
		85.2	-.04	-.03	-.02	-.01	.01	82.5	----

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TABLE XXXI.- CONTINUED

(b) α_u, 4, 5, 6, 8, 10, 12

α_u	Surface	x/c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	x_c for 0.90b/2	P 0.90b/2
4	Upper	0	----	0.08	0.05	-0.09	-0.40	0	-0.77
		1.5	----	-.29	-.46	-.66	-.95	5.0	-1.55
		5.2	-1.88	-.31	-.45	-.58	-.76	8.8	-1.34
		10.3	-.05	-.29	-.43	-.47	-.63	13.4	-.95
		15.2	-.06	-.27	-.37	-.43	-.52	18.6	-.76
		30.3	-.10	-.23	-.28	-.32	-.36	33.0	-.48
		45.3	-.14	-.20	-.22	-.24	-.27	47.9	-.36
		60.3	-.14	-.16	-.17	-.18	-.19	62.5	-.22
		80.3	-.08	-.09	-.08	-.07	-.08	82.0	-.11
		90.3	-.05	-.02	-.01	0	-.01	----	----
	Lower	2.6	----	.14	.11	.13	.13	6.3	.11
		7.7	.01	.05	.03	.06	.09	10.9	.13
		20.2	.03	-.03	-.04	-.09	-.01	23.3	----
		35.2	-.01	-.06	-.07	-.06	-.03	37.9	.01
		50.2	-.03	-.07	-.06	-.05	-.04	52.6	0
		65.2	----	-.06	-.05	-.04	-.02	67.3	0
		85.2	-.03	-.03	-.05	0	.01	82.5	----
5	Upper	0	----	.01	-.10	-.30	-.69	0	-1.32
		1.5	----	-.39	-.61	-.84	-1.26	5.0	-2.08
		5.2	-.04	-.36	-.54	-.70	-.93	8.8	-1.72
		10.3	-.05	-.33	-.47	-.58	-.75	13.4	-1.19
		15.2	-.05	-.30	-.41	-.49	-.61	18.6	-.92
		30.3	-.09	-.25	-.31	-.35	-.41	33.0	-.58
		45.3	-.15	-.23	-.24	-.26	-.30	47.9	-.42
		60.3	-.14	-.16	-.18	-.18	-.21	62.5	-.29
		80.3	-.09	-.10	-.08	-.08	-.09	82.0	-.14
		90.3	-.05	-.02	-.01	0	-.02	----	----
	Lower	2.6	----	.18	.13	.13	.13	6.3	.05
		7.7	.02	.08	.07	.10	.12	10.9	.14
		20.2	.04	-.01	-.01	-.06	.03	23.3	----
		35.2	.01	-.04	-.04	-.03	-.01	37.9	.04
		50.2	-.02	-.05	-.05	-.04	-.02	52.6	.02
		65.2	----	-.05	-.04	-.02	-.01	67.3	.01
		85.2	-.02	-.02	0	.01	-.02	82.5	----
6	Upper	0	----	-.09	-.28	-.56	-1.05	0	-1.99
		1.5	----	-.50	-.78	-1.05	-1.63	5.0	-2.67
		5.2	-.05	-.43	-.64	-.87	-1.12	8.8	-1.90
		10.3	-.05	-.37	-.54	-.67	-.88	13.4	-1.43
		15.2	-.07	-.33	-.46	-.56	-.70	18.6	-1.09
		30.3	-.12	-.27	-.33	-.39	-.47	33.0	-.70
		45.3	-.17	-.22	-.25	-.29	-.33	47.9	-.50
		60.3	-.15	-.18	-.19	-.20	-.23	62.5	-.35
		80.3	-.09	-.10	-.09	-.09	-.11	82.0	-.19
		90.3	-.05	-.03	-.01	-.01	-.03	----	----
	Lower	2.6	----	.19	.13	.13	.10	6.3	-.07
		7.7	.03	.10	.10	.12	.14	10.9	.13
		20.2	.06	.01	.02	-.03	.06	23.3	----
		35.2	.03	-.02	-.02	-.01	.02	37.9	.07
		50.2	0	-.04	-.03	-.02	0	52.6	.04
		65.2	----	-.04	-.03	-.01	0	67.3	.02
		85.2	-.01	-.01	0	.01	.02	82.5	----

α_u	Surface	x/c	P 0.00b/2	P 0.25b/2	P 0.45b/2	P 0.60b/2	P 0.75b/2	x_c for 0.90b/2	P 0.90b/2
8	Upper	0	----	-0.31	-0.70	-1.13	-1.93	0	-2.92
		1.5	----	-.72	-1.16	-1.46	-2.48	5.0	-3.11
		5.2	-0.06	-.56	-.85	-1.23	-1.54	8.8	-2.79
		10.3	-.07	-.46	-.68	-.86	-1.16	13.4	-2.17
		15.2	-.08	-.40	-.57	-.70	-.91	18.6	-1.30
		30.3	-.14	-.30	-.39	-.46	-.59	33.0	-.73
		45.3	-.19	-.26	-.29	-.34	-.42	47.9	-.62
		60.3	-.16	-.20	-.22	-.24	-.30	62.5	-.46
		80.3	-.09	-.11	-.10	-.11	-.14	82.0	-.29
		90.3	-.05	-.03	-.02	-.02	-.05	----	----
	Lower	2.6	----	.21	.13	.07	-.04	6.3	-.30
		7.7	.05	.16	.14	.15	.14	10.9	.09
		20.2	.08	.06	.07	.02	.10	23.3	----
		35.2	.06	.02	.02	.03	.06	37.9	.11
		50.2	.03	-.01	0	.02	.04	52.6	.07
		65.2	----	-.01	0.	.01	.03	67.3	.03
		85.2	.01	0	.01	.02	.03	82.5	----
10	Upper	0	----	-.59	-1.25	-1.88	-3.10	0	-2.28
		1.5	----	-.99	-1.66	-2.20	-3.57	5.0	-1.64
		5.2	-.06	-.70	-1.10	-1.46	-2.02	8.8	-1.47
		10.3	-.07	-.53	-.84	-1.06	-1.46	13.4	-1.31
		15.2	-.09	-.46	-.67	-.85	-1.12	18.6	-1.22
		30.3	-.16	-.34	-.45	-.55	-.75	33.0	-1.07
		45.3	-.20	-.28	-.33	-.39	-.52	47.9	-.99
		60.3	-.17	-.22	-.24	-.27	-.36	62.5	-.88
		80.3	-.10	-.12	-.12	-.14	-.20	82.0	-.73
		90.3	-.05	-.03	-.03	-.04	-.11	----	----
	Lower	2.6	----	.22	.07	-.05	-.26	6.3	-.28
		7.7	.08	.20	.17	.16	.11	10.9	.11
		20.2	.11	.11	.11	.07	.14	23.3	----
		35.2	.09	.06	.06	.08	.11	37.9	.12
		50.2	.06	.03	.04	.05	.07	52.6	.06
		65.2	----	.01	.03	.04	.05	67.3	-.01
		85.2	.02	.02	.03	.03	.02	82.5	----
12	Upper	0	----	-0.91	-1.84	-2.74	-4.31	0	-1.06
		1.5	----	-1.28	-2.19	-2.97	-4.59	5.0	-.94
		5.2	-.07	-.84	-1.34	-1.79	-2.64	8.8	-.92
		10.3	-.09	-.62	-.97	-1.26	-1.76	13.4	-.89
		15.2	-.10	-.52	-.77	-.99	-1.15	18.6	-.88
		30.3	-.18	-.39	-.50	-.64	-.77	33.0	-.88
		45.3	-.22	-.31	-.38	-.46	-.57	47.9	-.78
		60.3	-.18	-.22	-.29	-.38	-.44	62.5	-.74
		80.3	-.09	-.12	-.16	-.17	-.20	82.0	-.68
		90.3	-.05	-.01	-.06	-.07	-.21	----	----
	Lower	2.6	----	.22	-.03	-.22	-.49	6.3	-.23
		7.7	.10	.24	.18	.14	.08	10.9	.09
		20.2	.14	.16	.15	.11	.18	23.3	----
		35.2	.13	.10	.11	.12	.14	37.9	.13
		50.2	.10	.07	.07	.09	.10	52.6	.05
		65.2	----	.05	.05	.06	.06	67.3	-.02
		85.2	.05	.04	.04	.03	0	82.5	----

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TABLE XXXI.- CONCLUDED

(c) α_u, 14, 16

α_u	Surface	x/c	P					x/c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
14	Upper	0	----	-1.29	-2.54	-3.76	-3.42	0	-0.73
		1.5	----	-1.59	-2.84	-3.59	-1.96	5.0	-.69
		5.2	-0.09	-.99	-1.59	-2.10	-1.76	8.8	-.69
		10.3	-.10	-.70	-1.11	-1.44	-1.62	13.4	-.67
		15.2	-.13	-.59	-.86	-1.15	-1.53	18.6	-.68
		30.3	-.21	-.46	-.59	-.83	-1.45	33.0	-.65
		45.3	-.24	-.31	-.46	-.54	-1.07	47.9	-.63
		60.3	-.19	-.23	-.36	-.36	-.86	62.5	-.61
		80.3	-.10	-.14	-.21	-.25	-.66	82.0	-.58
		90.3	-.06	-.07	-.10	-.16	-.55	----	----
	Lower	2.6	----	.18	-.17	-.44	-.56	6.3	-.22
		7.7	.13	.27	.21	.11	.06	10.9	.07
		20.2	.18	.20	.19	.15	.21	23.3	----
		35.2	.17	.14	.15	.16	.17	37.9	.10
		50.2	.14	.11	.11	.12	.11	52.6	.04
		65.2	----	.08	.08	.08	.06	67.3	-.05
		85.2	.06	.05	.05	.02	-.05	82.5	----

α_u	Surface	x/c	P					x/c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
16	Upper	0	----	-1.74	-3.36	-4.74	-2.06	0	-0.67
		1.5	----	-1.93	-3.61	-3.65	-1.52	5.0	-.66
		5.2	-0.10	-1.12	-1.84	-2.71	-1.48	8.8	-.65
		10.3	-.13	-.78	-1.23	-1.81	-1.44	13.4	-.64
		15.2	-.16	-.68	-.97	-1.06	-1.41	18.6	-.63
		30.3	-.24	-.48	-.73	-.75	-1.27	33.0	-.62
		45.3	-.25	-.33	-.54	-.67	-1.26	47.9	-.60
		60.3	-.20	-.26	-.44	-.57	-.91	62.5	-.58
		80.3	-.10	-.17	-.25	-.39	-.74	82.0	-.55
		90.3	-.06	-.07	-.13	-.27	-.65	----	----
	Lower	2.6	----	.13	-.34	-.65	-.49	6.3	-.26
		7.7	.16	.30	.17	.09	.09	10.9	.04
		20.2	.21	.25	.23	.20	.23	23.3	----
		35.2	.21	.19	.19	.20	.19	37.9	.10
		50.2	.18	.15	.15	.15	.13	52.6	.04
		65.2	----	.11	.11	.10	.06	67.3	-.04
		85.2	.09	.07	.06	-.02	-.07	82.5	----

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TABLE XXXII.- PRESSURE COEFFICIENTS AT SIX SPANWISE STATIONS FOR WING WITH NACA 0008-63 SECTION. M, 0.24; R, 15.0 MILLION

(a) α_u, -3, -2, -1, 0, 1, 2

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
-3	Upper	0	----	0.17	0.32	0.30	[illegible]	0	-0.36
		1.5	----	.13	.11	.11	.12	5.0	.13
		5.2	0	.02	.01	.02	.05	8.8	.10
		10.3	0	-.03	-.05	-.05	-.01	13.4	.05
		15.2	0	-.06	-.09	-.07	-.04	18.6	.02
		30.3	-.02	-.09	-.10	-.09	-.07	33.0	-.03
		45.3	-.06	-.09	-.09	-.09	-.07	47.9	-.05
		60.3	-.06	-.08	-.08	-.07	-.05	62.5	-.03
		80.3	-.04	-.05	-.04	-.02	-.02	82.0	0
		90.3	-.02	0	.02	.02	.03	----	----
	Lower	2.6	----	-.20	-.36	-.43	-.55	6.3	-.95
		7.7	-.04	.23	-.34	-.38	-.47	10.9	-.65
		20.2	-.05	-.22	-.28	-.38	-.37	23.3	----
		35.2	-.11	-.19	-.22	-.25	-.28	37.9	-.35
		50.2	-.13	-.17	-.18	-.19	-.20	52.6	-.24
		65.2	----	-.13	-.13	-.13	-.14	67.3	-.17
		85.2	-.07	-.06	-.05	-.04	-.04	82.5	----
	c_n	----	-.059	-.095	-.122	-.149	-.191	----	-.319
-2	Upper	0	----	.20	.37	.34	.13	0	-.41
		1.5	----	.10	.08	.07	.08	5.0	.10
		5.2	-.01	-.01	-.03	-.03	-.01	8.8	.03
		10.3	-.01	-.06	-.09	-.09	-.06	13.4	-.02
		15.2	0	-.09	-.10	-.10	-.09	18.6	-.04
		30.3	-.02	-.10	-.12	-.12	-.10	33.0	-.07
		45.3	-.07	-.11	-.11	-.11	-.09	47.9	-.08
		60.3	-.07	-.09	-.09	-.08	-.07	62.5	-.05
		80.3	-.05	-.06	-.04	-.03	-.02	82.0	-.01
		90.3	-.03	0	.01	.02	.02	----	----
	Lower	2.6	----	-.13	-.26	-.30	-.38	6.3	-.64
		7.7	-.04	-.19	-.28	-.30	-.36	10.9	-.48
		20.2	-.04	-.19	-.24	-.35	-.31	23.3	----
		35.2	-.09	-.18	-.20	-.22	-.24	37.9	-.29
		50.2	-.11	-.15	-.16	-.17	-.18	52.6	-.20
		65.2	----	-.12	-.12	-.12	-.12	67.3	-.14
		85.2	-.06	-.06	-.04	-.04	-.03	82.5	----
	c_n	----	-.033	-.062	-.082	-.100	-.130	----	-.207
-1	Upper	0	----	.23	.39	.39	.20	0	.16
		1.5	----	.07	.04	.02	.03	5.0	.02
		5.2	0	-.05	-.07	-.08	-.07	8.8	-.06
		10.3	-.01	-.09	-.12	-.13	-.12	13.4	-.10
		15.2	-.01	-.11	-.13	-.14	-.13	18.6	-.11
		30.3	-.02	-.11	-.13	-.14	-.13	33.0	-.11
		45.3	-.02	-.11	-.12	-.12	-.11	47.9	-.10
		60.3	-.07	-.10	-.09	-.09	-.08	62.5	-.06
		80.3	-.03	-.06	-.04	-.03	-.03	82.0	-.01
		90.3	-.03	0	.02	.02	.02	----	----
	Lower	2.6	----	-.07	-.16	-.18	-.22	6.3	-.36
		7.7	-.03	-.14	-.21	-.22	-.25	10.9	-.32
		20.2	-.03	-.16	-.20	-.30	-.24	23.3	----
		35.2	-.08	-.15	-.17	-.19	-.20	37.9	-.22
		50.2	-.10	-.14	-.14	-.14	-.15	52.6	-.16
		65.2	.01	-.11	-.10	-.10	-.10	67.3	-.10
		85.2	-.05	-.05	-.03	-.03	-.02	82.5	----
	c_n	----	-.025	-.033	-.042	-.040	-.064	----	-.111

α_u	Surface	%c	P					%c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
0	Upper	0	----	0.23	0.38	0.43	0.21	0	0.21
		1.5	----	-.26	-.02	-.06	-.07	5.0	-.13
		5.2	-0.02	-.09	-.13	-.16	-.16	8.8	-.20
		10.3	-.02	-.09	-.17	-.19	-.19	13.4	-.22
		15.2	-.02	-.14	-.17	-.19	-.19	18.6	-.20
		30.3	-.04	-.14	-.16	-.17	-.17	33.0	-.20
		45.3	-.09	-.13	-.14	-.14	-.14	47.9	-.14
		60.3	-.09	-.11	-.11	-.11	-.10	62.5	-.10
		80.3	-.06	-.07	-.05	-.04	-.03	82.0	-.02
		90.3	-.03	-.01	.01	.02	.02	----	----
	Lower	2.6	----	-.02	-.10	-.09	-.10	6.3	-.16
		7.7	-.02	-.11	-.16	-.16	-.17	10.9	-.20
		20.2	-.02	-.14	-.17	-.26	-.20	23.3	----
		35.2	-.07	-.14	-.16	-.16	-.17	37.9	-.17
		50.2	-.09	-.13	-.13	-.13	-.13	52.6	-.12
		65.2	----	-.11	-.10	-.09	-.09	67.3	-.09
		85.2	-.05	-.05	-.03	-.02	-.01	82.5	----
	c_n	----	0	0	0	0	0	----	0
1	Upper	0	----	.22	.37	.42	.17	0	.17
		1.5	----	-.05	-.07	-.17	-.24	5.0	-.38
		5.2	-.03	-.15	-.20	-.25	-.29	8.8	-.40
		10.3	-.03	-.16	-.23	-.26	-.29	13.4	-.39
		15.2	-.03	-.17	-.22	-.24	-.27	18.6	-.34
		30.3	-.06	-.16	-.19	-.21	-.22	33.0	-.24
		45.3	-.10	-.15	-.16	-.17	-.17	47.9	-.19
		60.3	-.10	-.12	-.12	-.12	-.12	62.5	-.13
		80.3	-.07	-.07	-.06	-.05	-.05	82.0	-.04
		90.3	-.04	-.01	.01	.01	.01	----	----
	Lower	2.6	----	.04	-.02	0	.01	6.3	0
		7.7	-.01	-.06	-.10	-.08	-.08	10.9	-.05
		20.2	-.01	-.11	-.13	-.22	-.14	23.3	----
		35.2	-.05	-.12	-.13	-.13	-.13	37.9	-.12
		50.2	-.07	-.11	-.11	-.11	-.10	52.6	-.09
		65.2	----	-.09	-.08	-.07	-.07	67.3	-.06
		85.2	-.04	-.04	-.03	-.02	0	82.5	----
	c_n	----	.025	.039	.050	.063	.073	----	.117
2	Upper	0	----	.20	.34	.40	.07	0	.07
		1.5	----	-.11	-.18	-.28	-.40	5.0	-.51
		5.2	-.03	-.19	-.27	-.33	-.40	8.8	-.61
		10.3	-.03	-.20	-.27	-.33	-.37	13.4	-.54
		15.2	-.03	-.20	-.26	-.29	-.33	18.6	-.44
		30.3	-.07	-.18	-.21	-.23	-.25	33.0	-.30
		45.3	-.11	-.16	-.17	-.18	-.19	47.9	-.23
		60.3	-.11	-.13	-.13	-.13	-.14	62.5	-.16
		80.3	-.07	-.09	-.06	-.05	-.05	82.0	-.05
		90.3	-.04	-.01	.01	.01	.01	----	----
	Lower	2.6	----	.08	.04	.06	.08	6.3	.10
		7.7	0	-.03	-.05	-.03	-.01	10.9	.03
		20.2	.01	-.08	-.10	-.17	-.09	23.3	----
		35.2	-.03	-.10	-.11	-.10	-.09	37.9	-.07
		50.2	-.06	-.09	-.09	-.09	-.08	52.6	-.05
		65.2	----	-.08	-.07	-.06	-.05	67.3	.04
		85.2	-.03	-.03	-.02	-.01	.01	82.5	----
	c_n	----	.033	.074	.092	.114	.139	----	.217

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TABLE XXXII.- CONTINUED

(b) α_u, 3, 4, 5, 6, 8, 10

α_u	Surface	% c	P 0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	% c for 0.90b/2	P 0.90b/2
3	Upper	0	----	0.14	0.32	0.25	-0.09	0	-0.22
		1.5	----	-.19	-.28	-.41	-.61	5.0	-1.01
		5.2	-0.03	-.24	-.34	-.43	-.54	8.8	-.87
		10.3	-.03	-.23	-.33	-.40	-.47	13.4	-.71
		15.2	-.04	-.22	-.28	-.35	-.41	18.6	-.57
		30.3	-.08	-.19	-.24	-.26	-.30	33.0	-.37
		45.3	-.13	-.18	-.19	-.21	-.22	47.9	-.27
		60.3	-.12	-.14	-.14	-.14	-.16	62.5	-.19
		80.3	-.08	-.08	-.07	-.06	-.07	82.0	-.08
		90.3	-.04	-.02	0	0	0	----	----
	Lower	2.6	----	.11	.08	.10	.12	6.3	.12
		7.7	0	.01	-.02	.02	.04	10.9	.09
		20.2	.01	-.06	-.07	-.15	-.05	23.3	----
		35.2	-.02	-.08	-.09	-.08	-.07	37.9	-.03
		50.2	-.05	-.08	-.08	-.07	-.06	52.6	-.03
		65.2	----	-.07	-.06	-.05	-.04	67.3	-.02
		85.2	-.03	-.03	-.02	-.01	.01	82.5	----
		c_n	----	.059	.102	.123	.158	.197	----	.333
4	Upper	0	----	.10	.20	.06	-.32	0	-.66
		1.5	----	-.27	-.41	-.58	-.86	5.0	-1.48
		5.2	-.04	-.30	-.42	-.55	-.70	8.8	-1.17
		10.3	-.04	-.27	-.39	-.48	-.58	13.4	-.92
		15.2	-.05	-.25	-.33	-.41	-.48	18.6	-.72
		30.3	-.09	-.22	-.27	-.30	-.34	33.0	-.45
		45.3	-.14	-.19	-.20	-.22	-.25	47.9	-.33
		60.3	-.13	-.14	-.16	-.16	-.17	62.5	-.22
		80.3	-.08	-.09	-.07	-.07	-.08	82.0	-.09
		90.3	-.04	-.02	0	0	0	----	----
	Lower	2.6	----	.14	.12	.13	.14	6.3	.12
		7.7	.01	.04	.03	.06	.09	10.9	.13
		20.2	.03	-.03	-.04	-.11	-.01	23.3	----
		35.2	0	-.06	-.06	-.05	-.03	37.9	.01
		50.2	-.03	-.06	-.06	-.05	-.03	52.6	0
		65.2	----	-.06	-.05	-.03	-.02	67.3	0
		85.2	-.02	-.02	-.01	0	.02	82.5	----
		c_n	----	.071	.137	.168	.215	.269	----	.422
5	Upper	0	----	.02	.03	-.16	-.62	0	-1.21
		1.5	----	-.37	-.57	-.76	-1.15	5.0	-1.99
		5.2	-.03	-.36	-.52	-.68	-.88	8.8	-1.50
		10.3	-.05	-.32	-.46	-.57	-.71	13.4	-1.16
		15.2	-.07	-.29	-.38	-.47	-.58	18.6	-.88
		30.3	-.11	-.24	-.30	-.33	-.40	33.0	-.55
		45.3	-.15	-.21	-.23	-.25	-.29	47.9	-.39
		60.3	-.14	-.16	-.18	-.18	-.22	62.5	-.27
		80.3	-.08	-.09	-.08	-.08	-.09	82.0	-.12
		90.3	-.05	-.02	0	0	-.01	----	----
	Lower	2.6	----	.17	.14	.14	.14	6.3	.05
		7.7	.02	.07	.06	.06	.12	10.9	.14
		20.2	.04	-.01	-.01	-.07	.02	23.3	----
		35.2	.01	-.04	-.04	-.03	-.01	37.9	.04
		50.2	-.02	-.05	-.04	-.04	-.02	52.6	.02
		65.2	----	-.05	-.04	-.02	-.01	67.3	.01
		85.2	-.02	-.02	0	.01	.02	82.5	----
		c_n	----	.091	.174	.221	.267	.339	----	.556
6	Upper	0	----	-0.06	-0.16	-0.42	-0.98	0	-1.90
		1.5	----	-.47	-.72	-.96	-1.46	5.0	-2.63
		5.2	-0.05	-.42	-.62	-.81	-1.08	8.8	-1.89
		10.3	-.05	-.36	-.51	-.65	-.84	13.4	-1.41
		15.2	-.06	-.33	-.43	-.58	-.67	18.6	-1.06
		30.3	-.11	-.25	-.32	-.37	-.45	33.0	-.64
		45.3	-.16	-.22	-.25	-.28	-.32	47.9	-.46
		60.3	-.14	-.17	-.19	-.19	-.22	62.5	-.31
		80.3	-.09	-.10	-.09	-.08	-.11	82.0	-.16
		90.3	-.05	-.02	-.01	-.01	-.02	----	----
	Lower	2.6	----	.19	.14	.14	.11	6.3	-.06
		7.7	.03	.10	.09	.12	.13	10.9	.13
		20.2	.05	.01	.01	-.04	.05	23.3	----
		35.2	.02	-.03	-.02	-.01	.02	37.9	.06
		50.2	-.01	-.04	-.03	-.02	0	52.6	.04
		65.2	.01	-.04	-.03	-.02	0	67.3	.02
		85.2	.01	-.01	0	.01	.02	82.5	----
		c_n	----	.109	.202	.256	.314	.397	----	.699
8	Upper	0	----	-.28	-.55	-1.01	-1.85	0	-3.57
		1.5	----	-.68	-1.07	-1.39	-2.18	5.0	-3.98
		5.2	-.05	-.54	-.82	-1.08	-1.49	8.8	-2.66
		10.3	-.06	-.43	-.65	-.83	-1.11	13.4	-1.89
		15.2	-.08	-.38	-.53	-.67	-.86	18.6	-1.38
		30.3	-.13	-.29	-.37	-.45	-.55	33.0	-.88
		45.3	-.17	-.24	-.28	-.32	-.39	47.9	-.64
		60.3	-.15	-.19	-.20	-.22	-.27	62.5	-.43
		80.3	-.08	.10	-.09	-.10	-.13	82.0	-.27
		90.3	-.04	-.02	-.01	-.02	-.04	----	----
	Lower	2.6	----	.22	.14	.08	-.03	6.3	-.40
		7.7	.05	.15	.14	.15	.15	10.9	.05
		20.2	.08	.06	.06	.01	.10	23.3	----
		35.2	.06	.02	.02	.03	.06	37.9	.11
		50.2	.03	0	0	.02	.04	52.6	.07
		65.2	----	-.01	0	.02	.03	67.3	.04
		85.2	.01	0	.02	.02	.03	82.5	----
		c_n	----	.140	.271	.336	.409	.530	----	1.570
10	Upper	0	----	-.48	-1.05	-1.75	-2.97	0	-5.66
		1.5	----	-.93	-1.41	-1.91	-3.07	5.0	-5.29
		5.2	-.06	-.68	-1.04	-1.39	-1.97	8.8	-3.29
		10.3	-.08	-.52	-.79	-1.03	-1.40	13.4	-2.12
		15.2	-.09	-.45	-.63	-.81	-1.07	18.6	-1.75
		30.3	-.15	-.33	-.43	-.45	-.66	33.0	-1.47
		45.3	-.19	-.27	-.31	-.37	-.47	47.9	-1.14
		60.3	-.16	-.21	-.23	-.26	-.33	62.5	-1.01
		80.3	-.08	-.11	-.10	-.12	-.18	82.0	-.71
		90.3	-.04	-.02	-.02	-.03	-.08	----	----
	Lower	2.6	----	.22	.08	-.04	-.26	6.3	-.85
		7.7	.08	.20	.17	.16	.11	10.9	-.06
		20.2	.11	.11	.11	.06	.14	23.3	----
		35.2	.09	.06	.06	.07	.10	37.9	.14
		50.2	.06	.03	.04	.05	.07	52.6	.09
		65.2	----	.02	.03	.04	.05	67.3	.03
		85.2	.03	.02	.03	.03	.03	82.5	----
		c_n	----	.178	.337	.415	.507	.675	----	1.410

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TABLE XXXII.- CONCLUDED

(c) α_u, 12, 14, 16

α_u	Surface	% c	P					% c for	P
			0.000b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
12	Upper	0	----	-0.89	-1.68	-2.63	-4.34	0	-3.74
		1.5	----	-1.20	-1.98	-2.51	-4.17	5.0	-1.62
		5.2	-0.06	-.81	-1.29	-1.72	-2.48	8.8	-1.44
		10.3	-.08	-.60	-.94	-1.23	-1.70	13.4	-1.45
		15.2	-.10	-.51	-.74	-.97	-1.27	18.6	-1.35
		30.3	-.17	-.37	-.48	-.60	-.79	33.0	-1.26
		45.3	-.20	-.29	-.34	-.42	-.56	47.9	-1.15
		60.3	-.17	-.20	-.25	-.29	-.43	62.5	-1.05
		80.3	-.08	-.11	-.13	-.15	-.27	82.0	-.88
		90.3	-.04	-.02	-.04	-.05	-.14	----	----
	Lower	2.6	----	.22	-.03	-.23	-.37	6.3	-.65
		7.7	.10	.23	.18	.14	.04	10.9	0
		20.2	.14	.15	.15	.10	.16	23.3	----
		35.2	.13	.10	.10	.11	.14	37.9	.14
		50.2	.09	.07	.07	.08	.10	52.6	.08
		65.2	----	.04	.05	.06	.07	67.3	0
		85.2	.05	.04	.04	.04	.02	82.5	----
	c_n	----	.214	.396	.496	.618	.834	----	1.030

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
14	Upper	0	----	-1.30	-2.41	-3.73	-5.94	0	-2.73
		1.5	----	-1.53	-2.58	-3.80	-5.38	5.0	-1.22
		5.2	-0.09	-.98	-1.57	-2.09	-2.87	8.8	-1.11
		10.3	-.11	-.70	-1.11	-1.44	-1.82	13.4	-1.12
		15.2	-.13	-.59	-.87	-1.16	-1.48	18.6	-1.10
		30.3	-.20	-.44	-.56	-.71	-1.12	33.0	-1.05
		45.3	-.22	-.31	-.41	-.48	-.65	47.9	-.99
		60.3	-.17	-.22	-.31	-.36	-.70	62.5	-.93
		80.3	-.09	-.12	-.18	-.23	-.49	82.0	-.83
		90.3	-.04	-.03	-.08	-.12	-.31	----	----
	Lower	2.6	----	-.17	-.19	-.51	-.96	6.3	-.62
		7.7	.13	.26	.17	.10	-.06	10.9	-.03
		20.2	.17	.20	.19	.13	.18	23.3	----
		35.2	.17	.14	.14	.15	.18	37.9	.13
		50.2	.13	.10	.11	.12	.13	52.6	.07
		65.2	----	.07	.08	.09	.08	67.3	-.02
		85.2	.07	.06	.05	.04	-.01	82.5	----
	c_n	----	.255	.473	.624	.748	1.105	----	1.093

α_u	Surface	% c	P					% c for	P
			0.00b/2	0.25b/2	0.45b/2	0.60b/2	0.75b/2	0.90b/2	0.90b/2
16	Upper	0	----	-1.80	-3.20	-4.80	-4.85	0	-1.42
		1.5	----	-1.84	-3.17	-3.62	-2.15	5.0	-.86
		5.2	-0.11	-1.12	-1.80	-2.16	-1.85	8.8	-.85
		10.3	-.12	-.79	-1.25	-2.17	-1.72	13.4	-.83
		15.2	-.15	-.68	-1.04	-1.91	-1.68	18.6	-.83
		30.3	-.22	-.46	-.68	-.63	-1.48	33.0	-.79
		45.3	-.23	-.33	-.50	-.46	-1.28	47.9	-.74
		60.3	-.18	-.25	-.40	-.43	-1.06	62.5	-.71
		80.3	-.09	-.15	-.24	-.29	-.79	82.0	-.65
		90.3	-.05	-.06	-.11	-.18	-.63	----	----
	Lower	2.6	----	.12	-.37	-.78	-.88	6.3	-.48
		7.7	.16	.29	.15	.05	0	10.9	0
		20.2	.21	.24	.22	.17	.22	23.3	----
		35.2	.21	.19	.18	.19	.20	37.9	.12
		50.2	.17	.14	.14	.15	.14	52.6	.06
		65.2	----	.11	.11	.11	.08	67.3	-.03
		85.2	.09	.07	.06	.03	-.05	82.5	----
	c_n	----	.258	.544	.749	.851	1.248	----	.881

Figure 1.- The model in the 12-foot pressure wind tunnel.

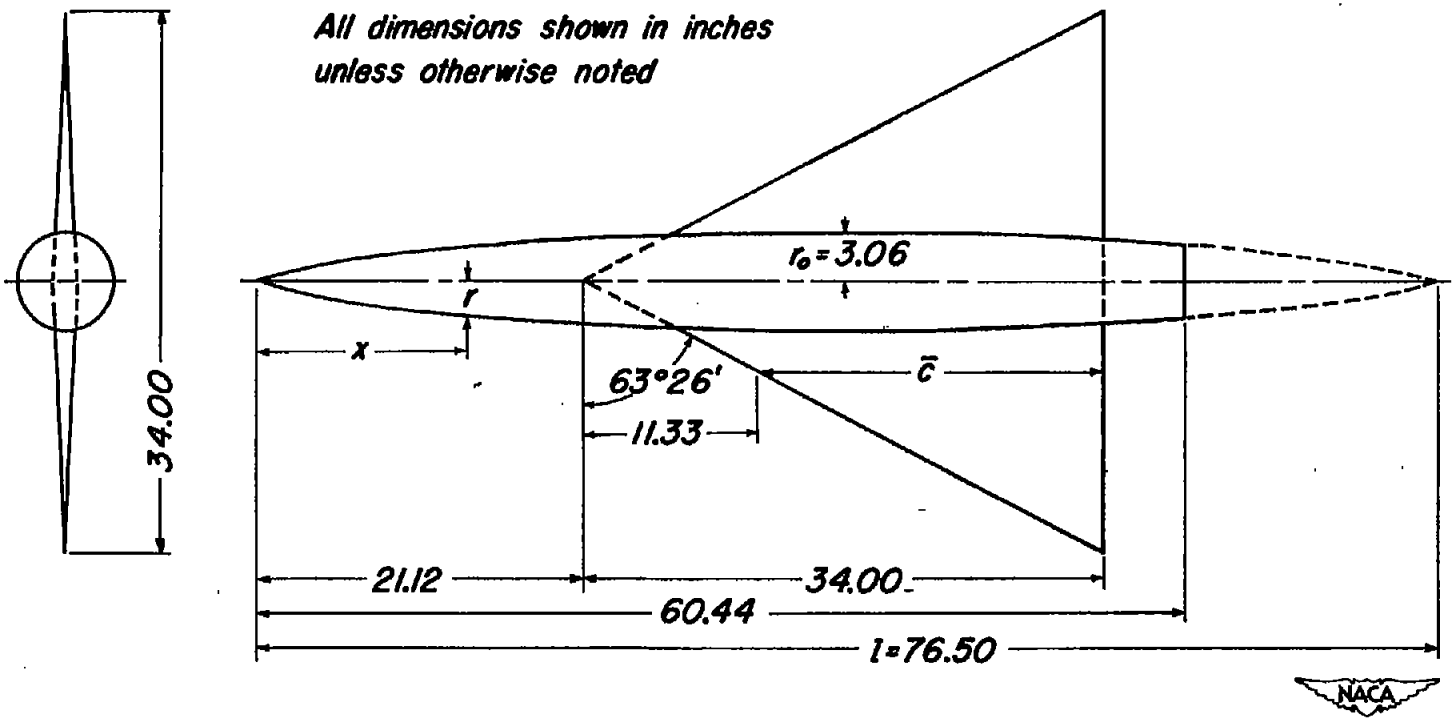
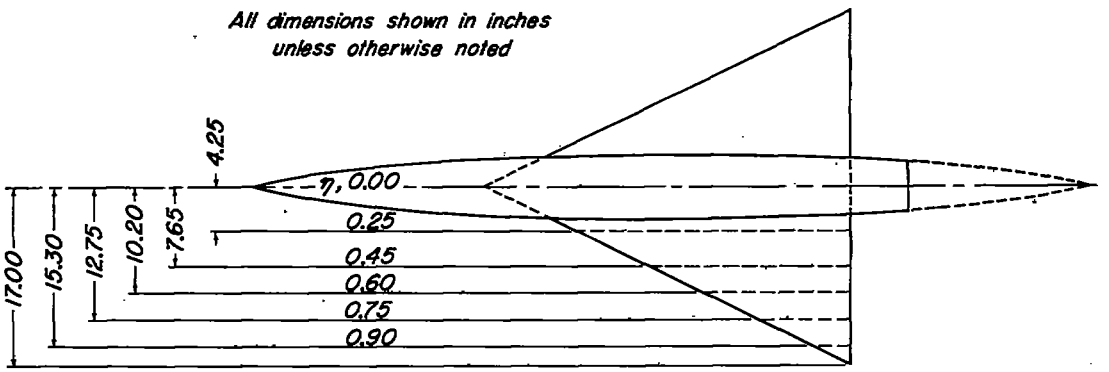


Figure 2.- Plan and front views of the model.



(a) Spanwise location.

η, 0.00 (top and bottom center lines of fuselage);
η, 0.25; η, 0.45; η, 0.60; η, 0.75.

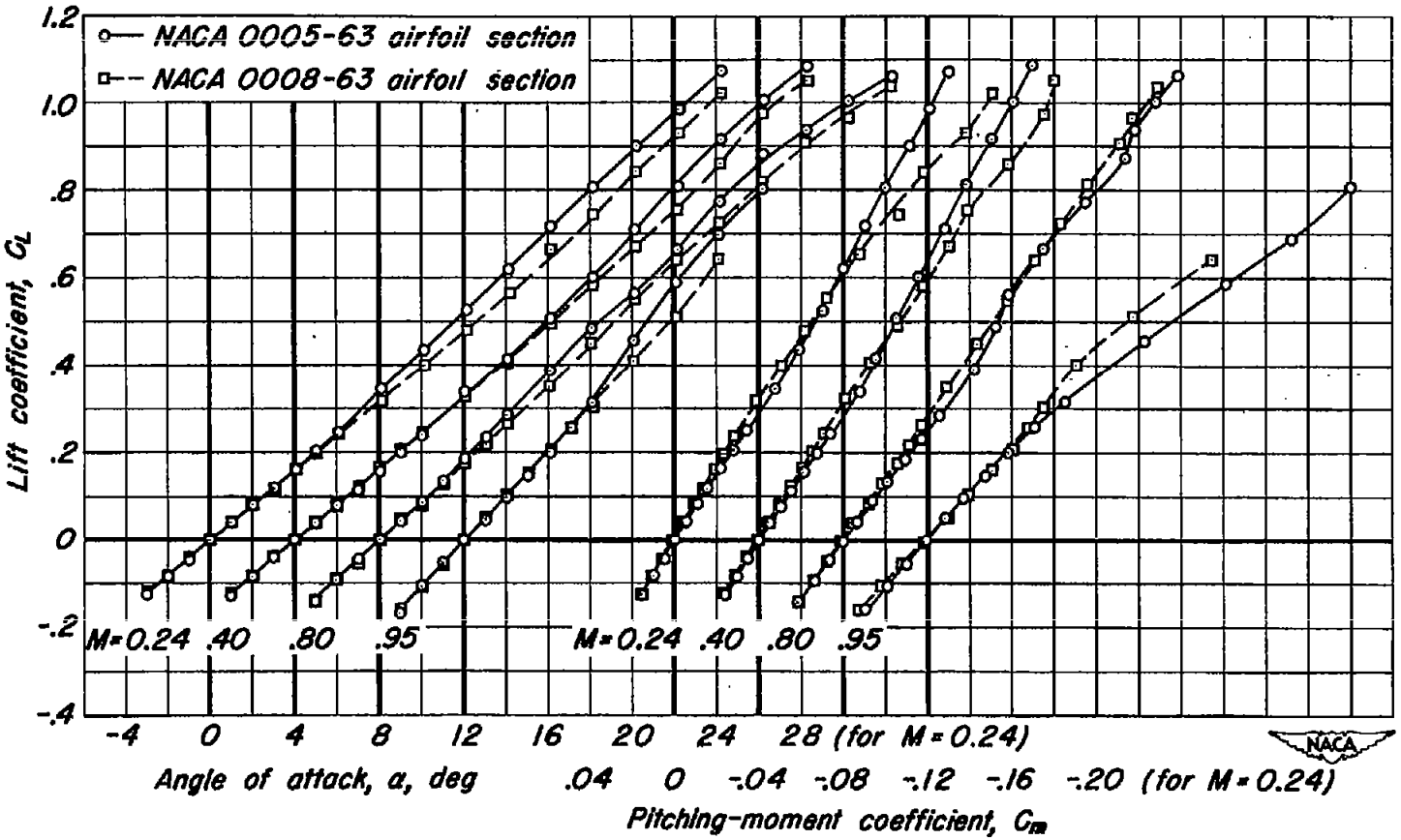
NACA 0008-63		NACA 0005-63	
Surface			
Upper	Lower	Upper	Lower
0	0	0	0
1.5	2.6	1.5	2.6
5.2	7.7	5.2	7.7
10.3	20.2	10.3	20.2
15.2	35.2	15.2	35.2
30.3	50.2	30.3	50.2
45.3	65.2	45.3	65.2
60.3	85.2	60.3	85.2
80.3		80.3	
90.3		90.3	

η, 0.90

NACA 0008-63		NACA 0005-63	
Surface			
Upper	Lower	Upper	Lower
0	0	0	0
5.0	6.3	2.4	3.7
8.8	10.9	6.2	–
13.4	23.3	10.9	21.3
18.6	37.9	16.7	–
33.0	52.6	21.2	–
47.9	67.3	46.5	–
62.5	82.5	–	–
82.0		–	
–		–	

(b) Chordwise location in percent local chord.

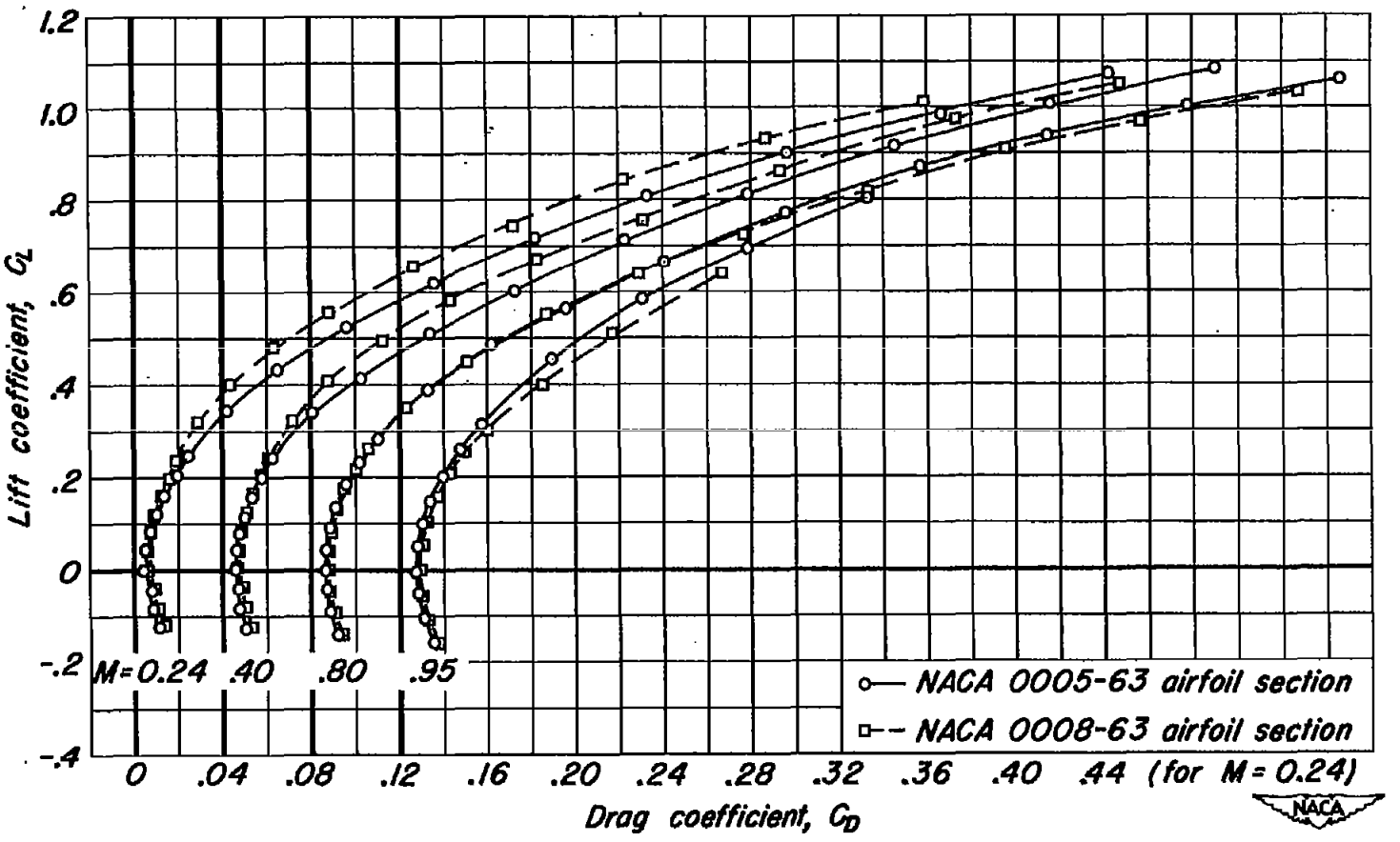
Figure 3.- Location of pressure orifices.



(a) C_L vs α, C_L vs C_m

Figure 4.- The effect of wing thickness on the variation of the aerodynamic characteristics with lift coefficient at various Mach numbers. Data from references 1 and 2; R, 3.0 million.

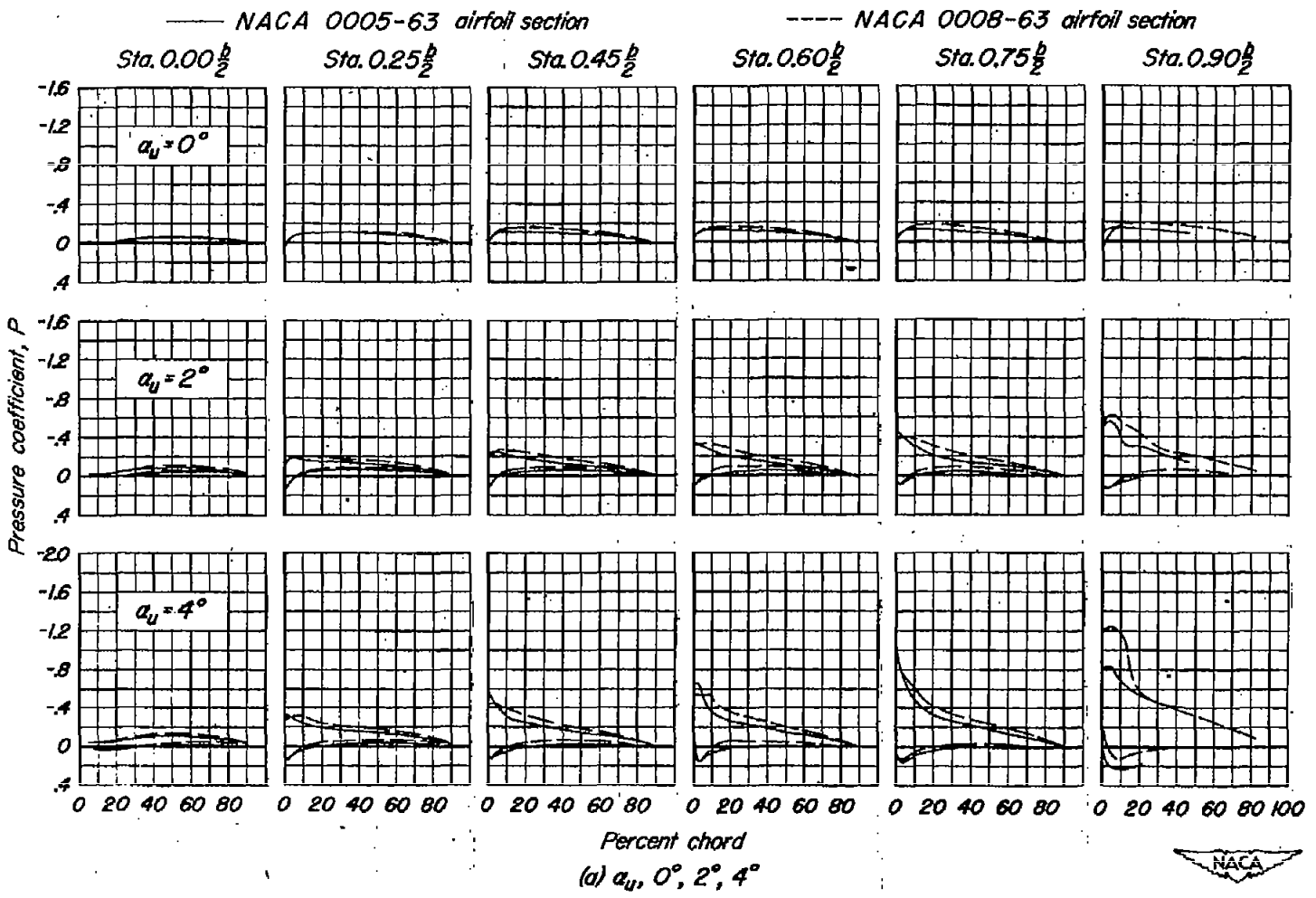
[redacted]



(b) C_L vs C_D

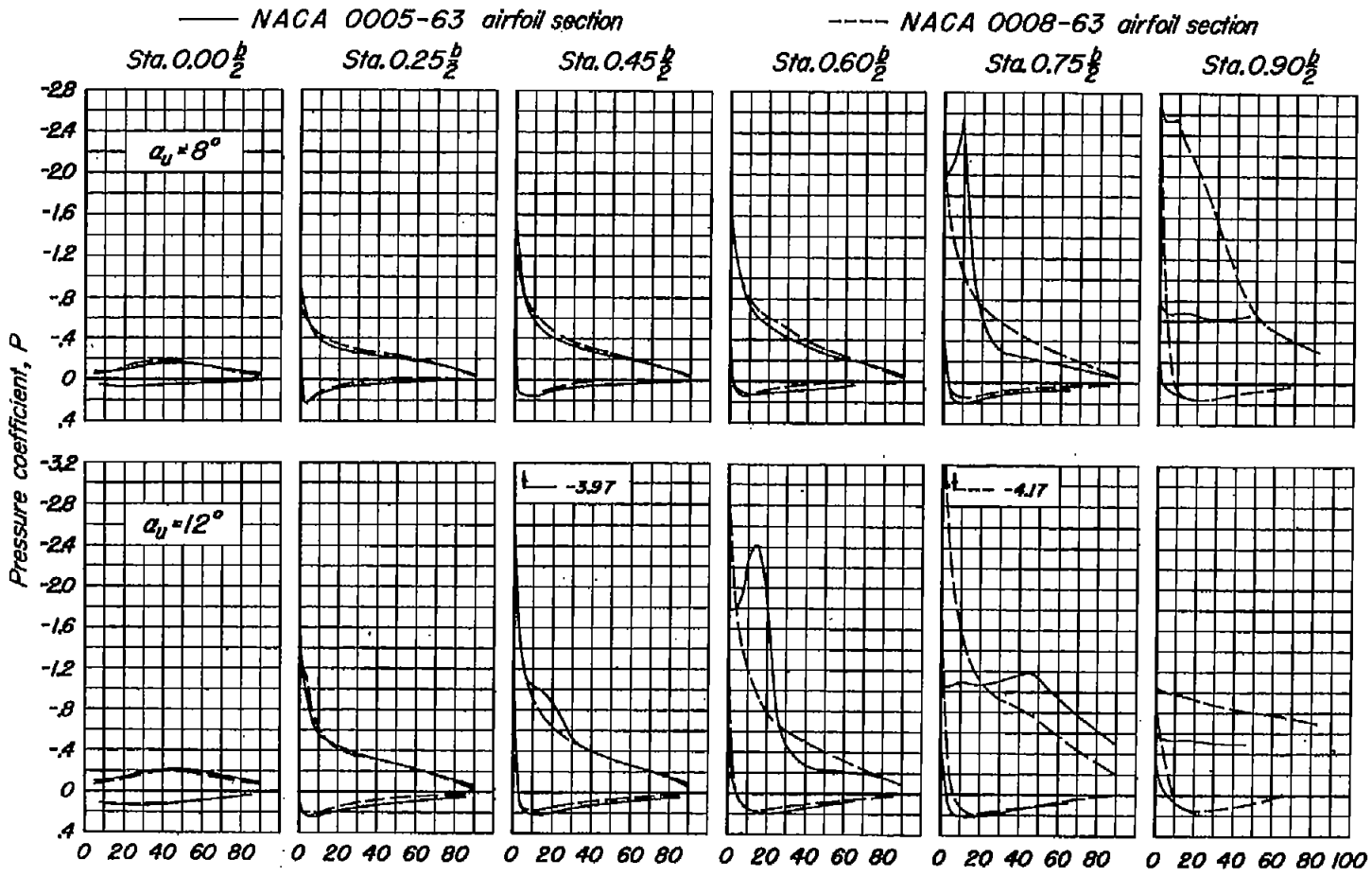
Figure 4.- Concluded.

[redacted]



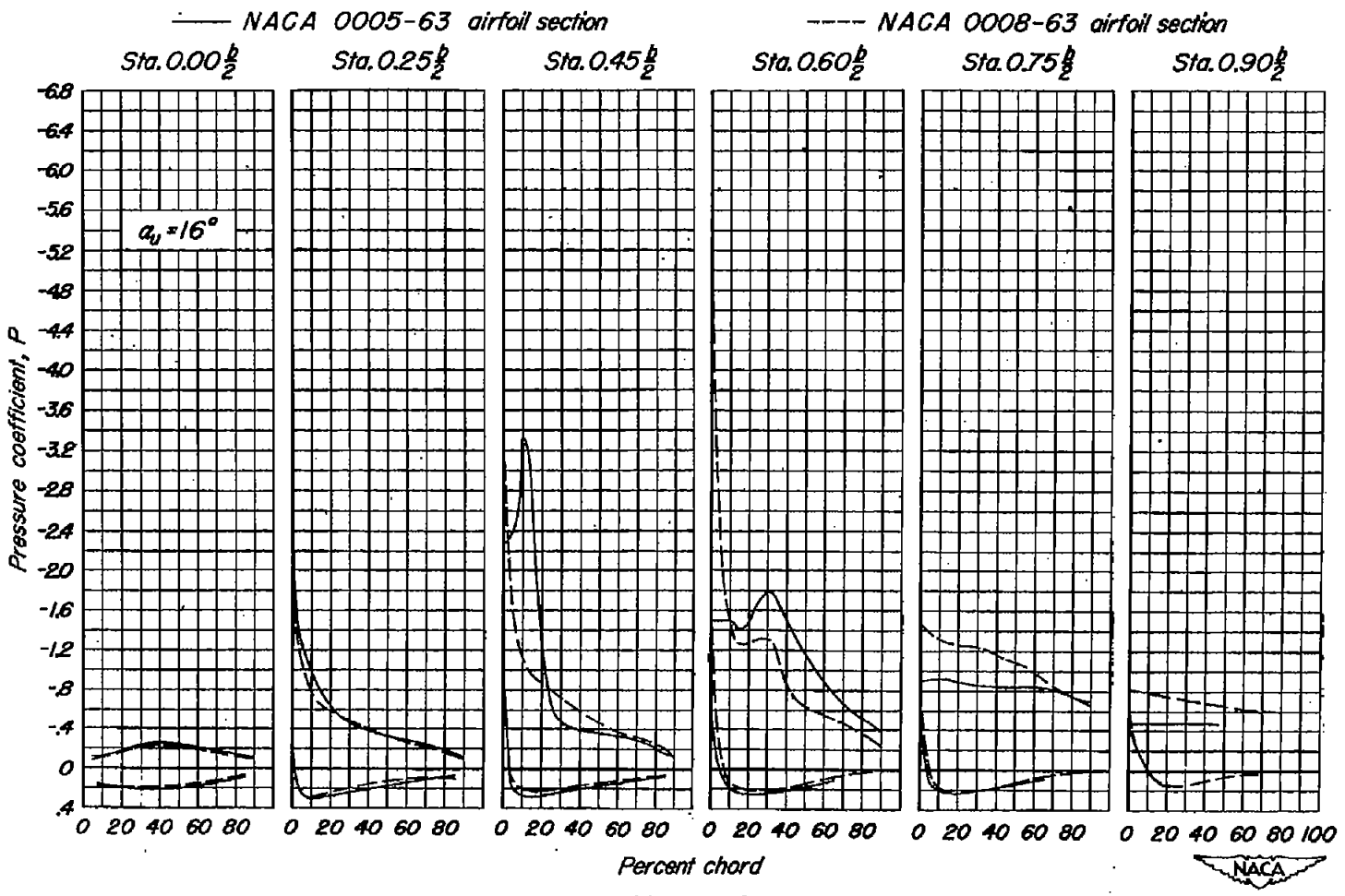
(a) α_u, 0°, 2°, 4°

Figure 5.- The effect of wing thickness on the chordwise distribution of pressure coefficient at six semispan stations for several angles of attack. R, 3.0 million; M, 0.24.



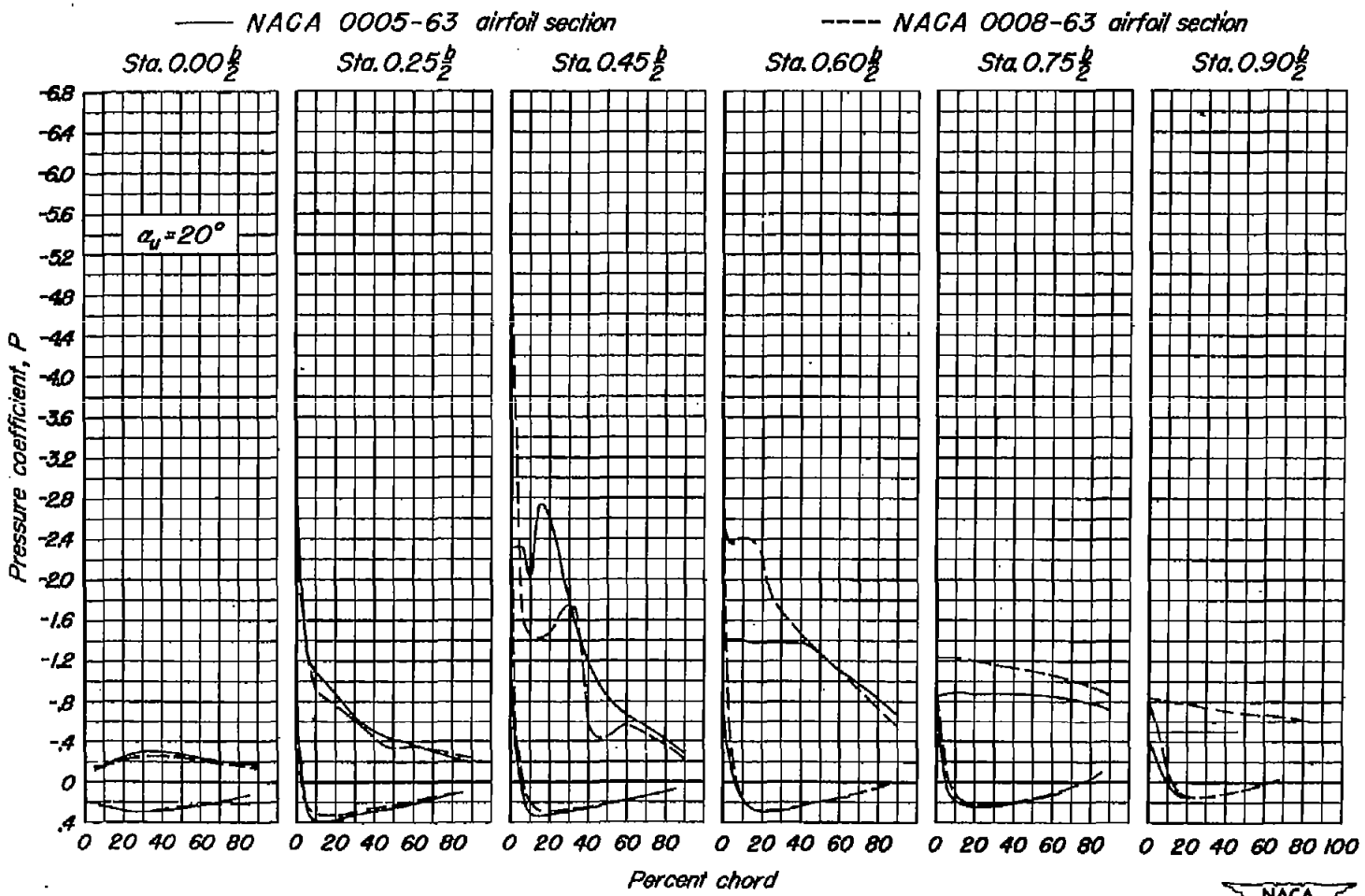
(b) a_u, 8°, 12°

Figure 5.- Continued.



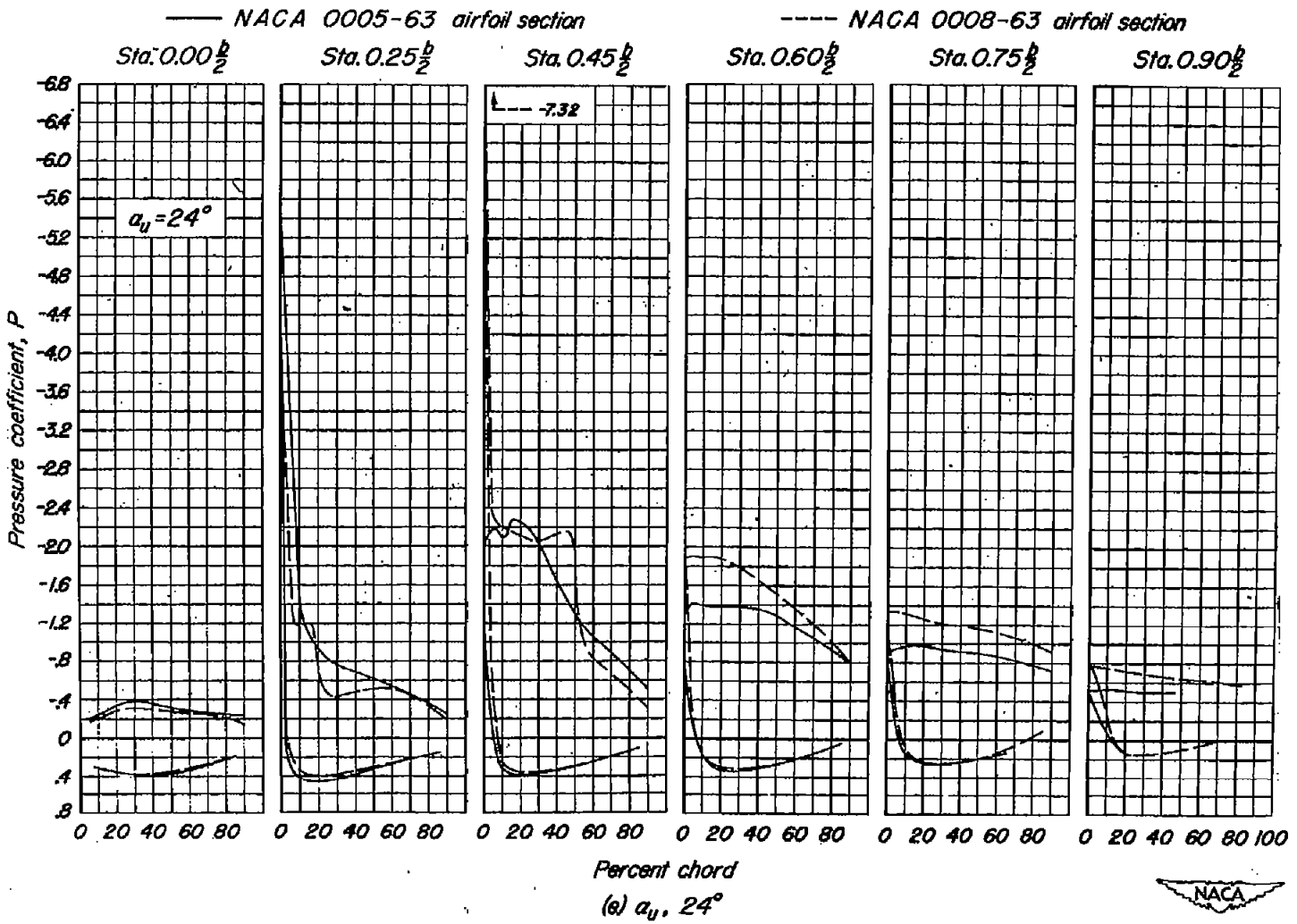
(c) a_u, 16°

Figure 5.- Continued.



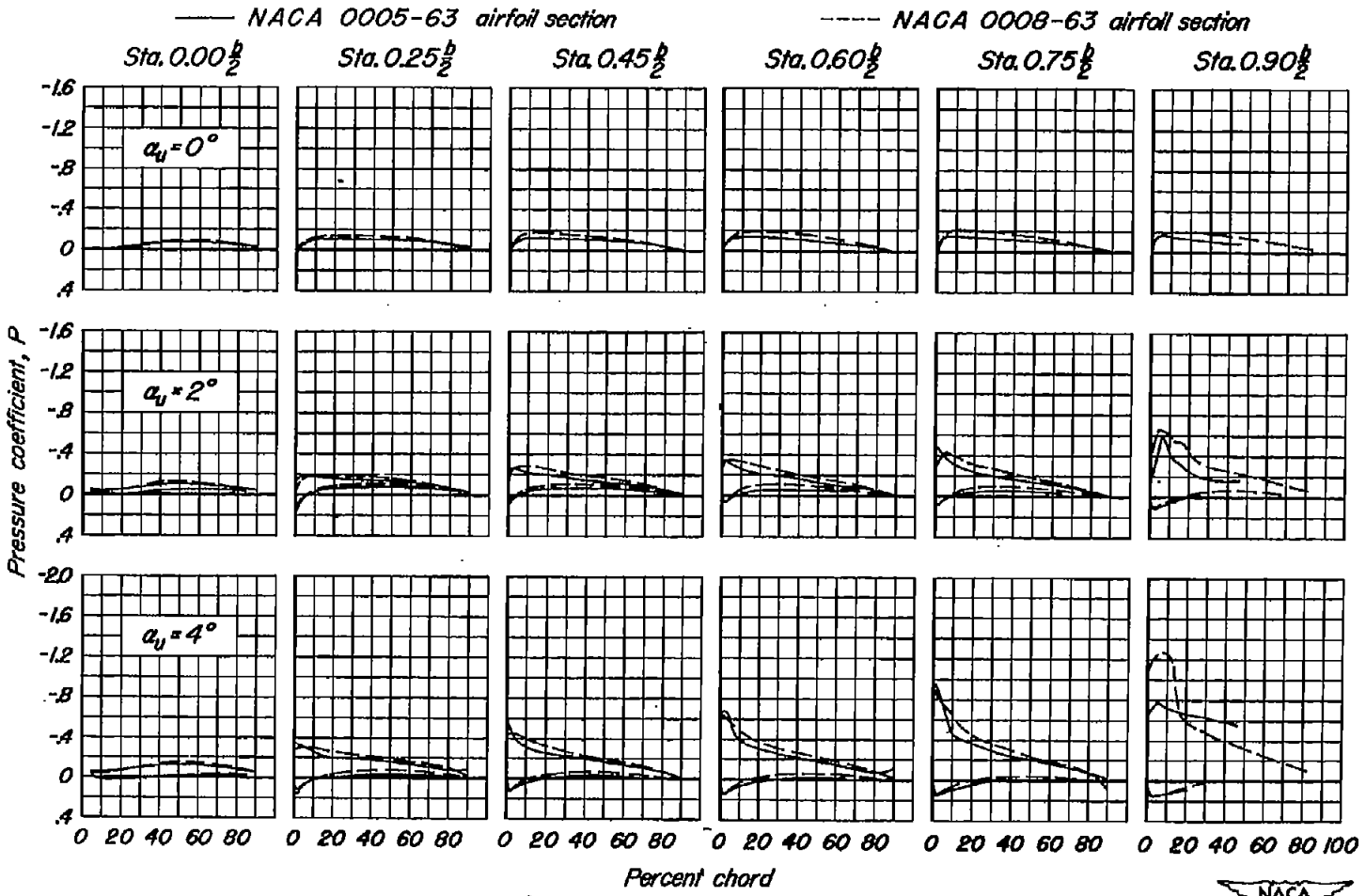
(d) α_u, 20°

Figure 5.- Continued.



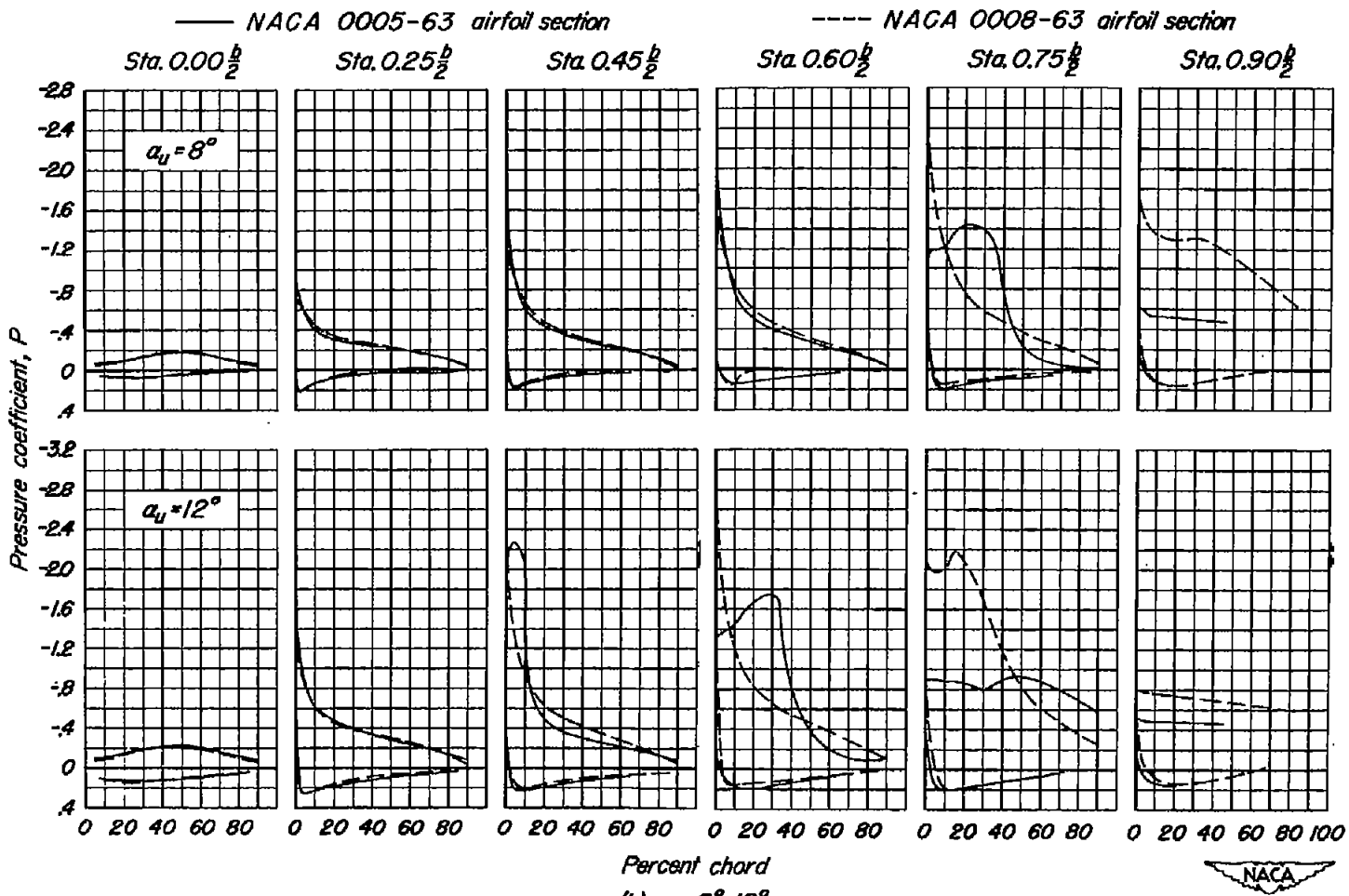
(e) a_u, 24°

Figure 5.- Concluded.



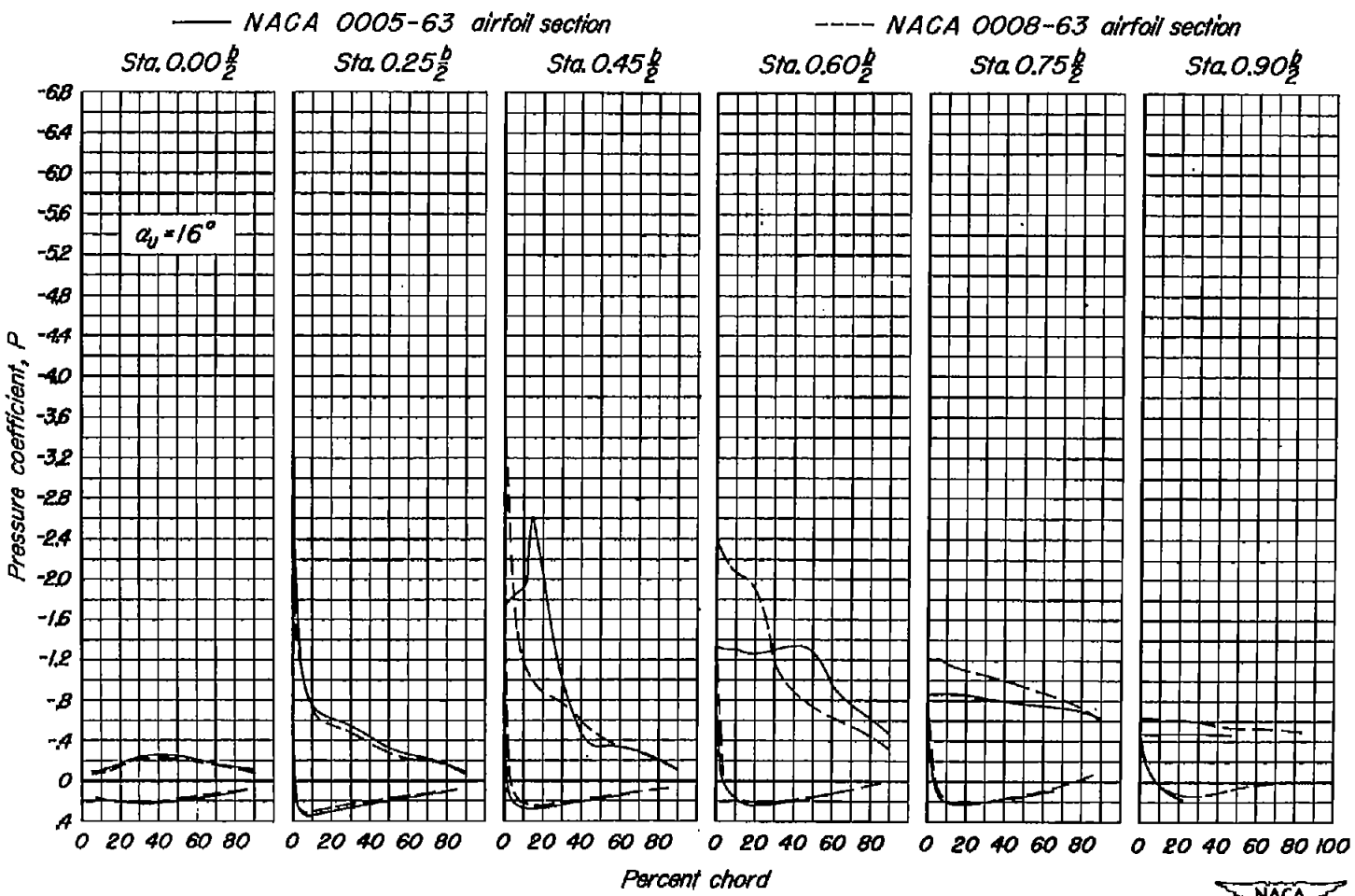
(a) α_u, 0°, 2°, 4°

Figure 6.- The effect of wing thickness on the chordwise distribution of pressure coefficient at six semispan stations for several angles of attack. R, 3.0 million; M, 0.40.



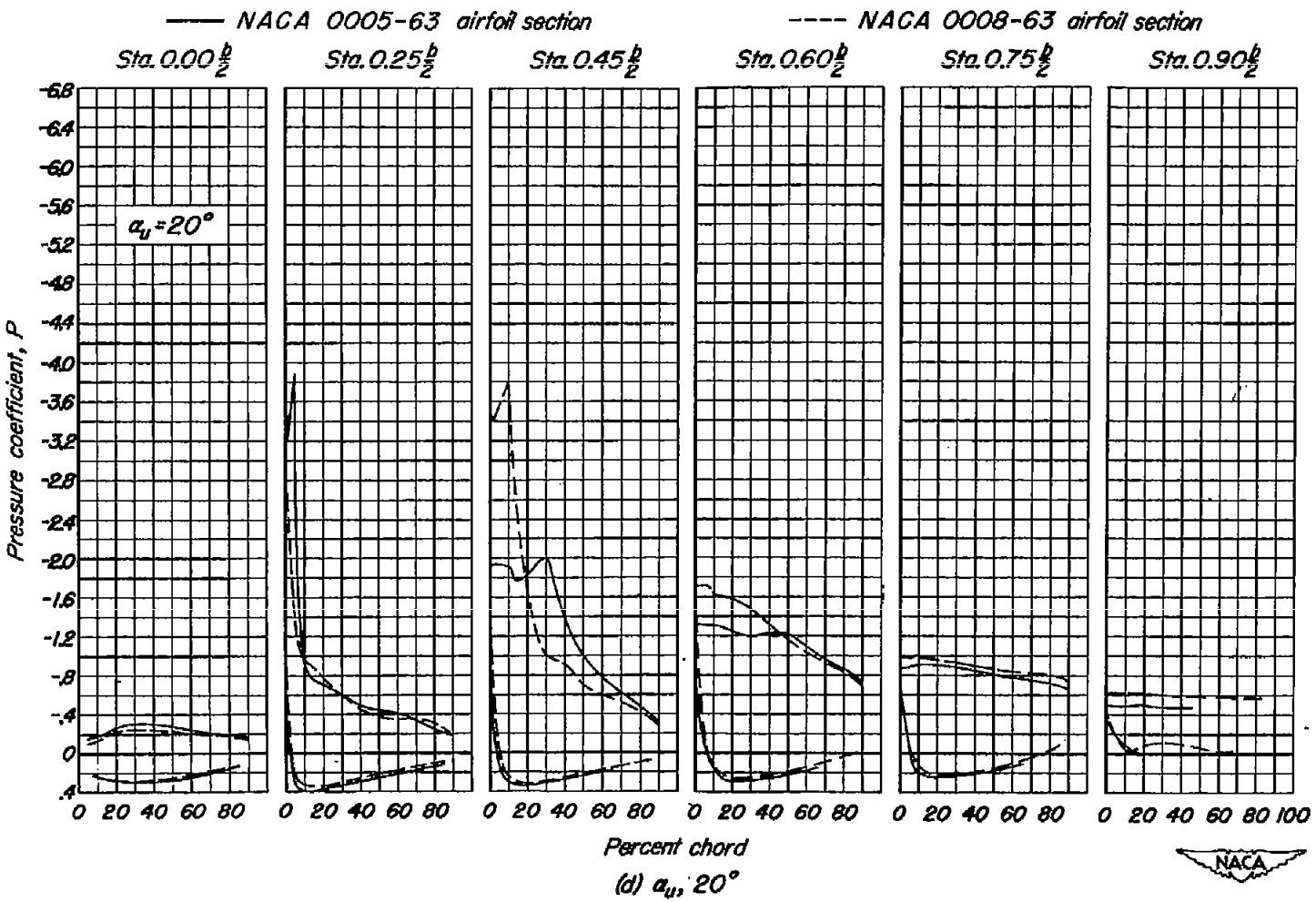
(b) a_u, 8°, 12°

Figure 6.- Continued.



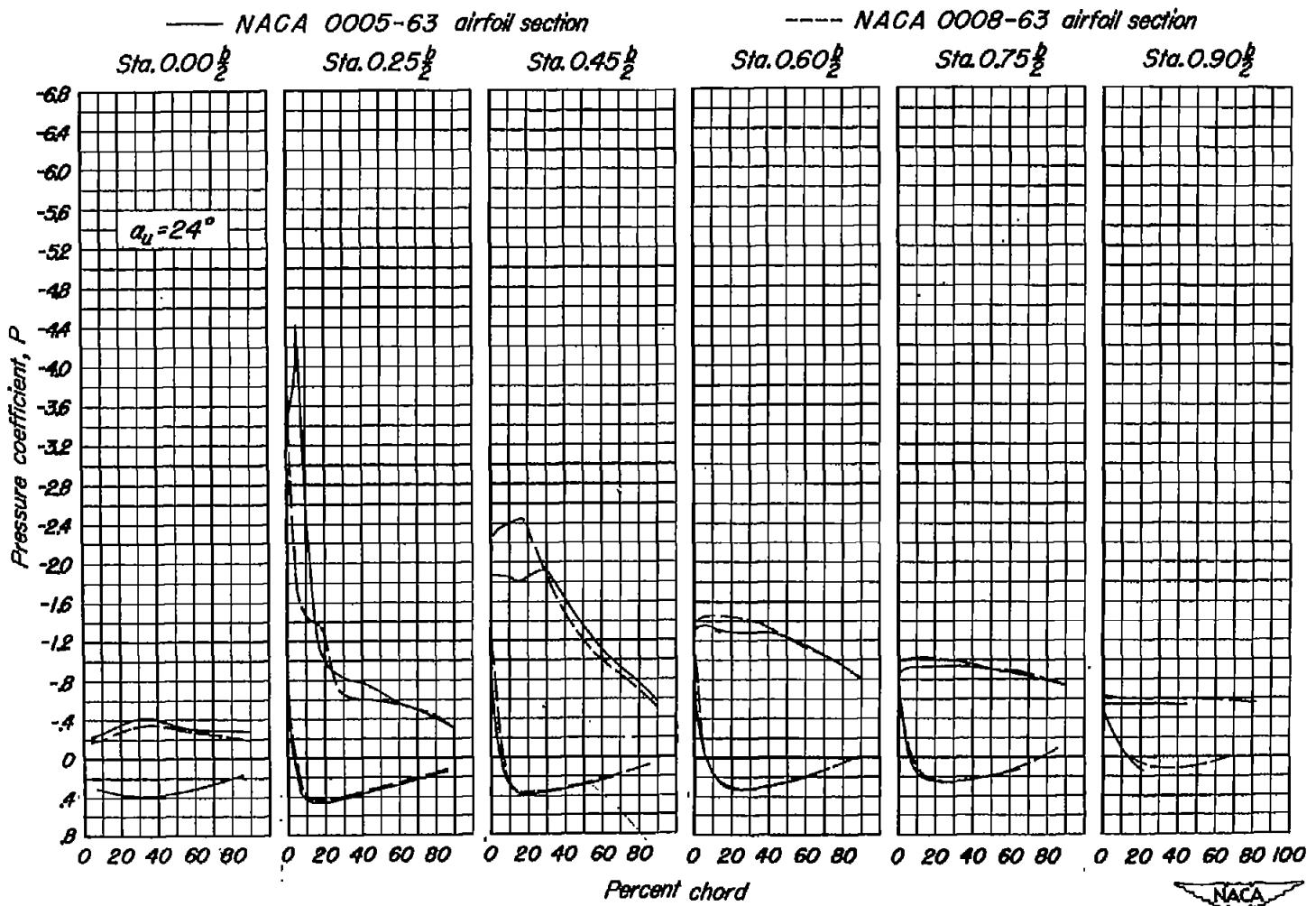
(c) α_u, 16°

Figure 6.- Continued.



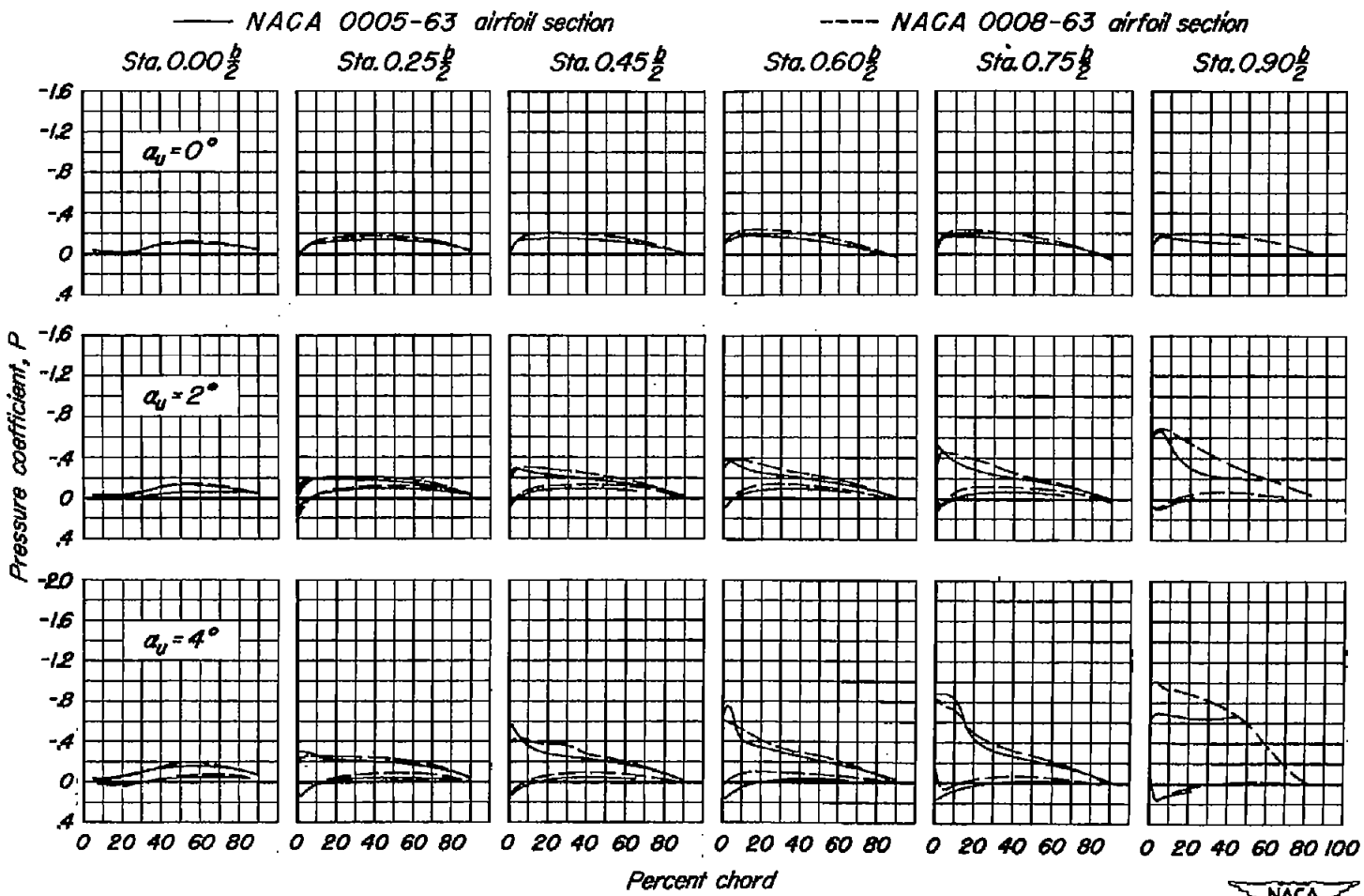
(d) α_u, 20°

Figure 6.- Continued.



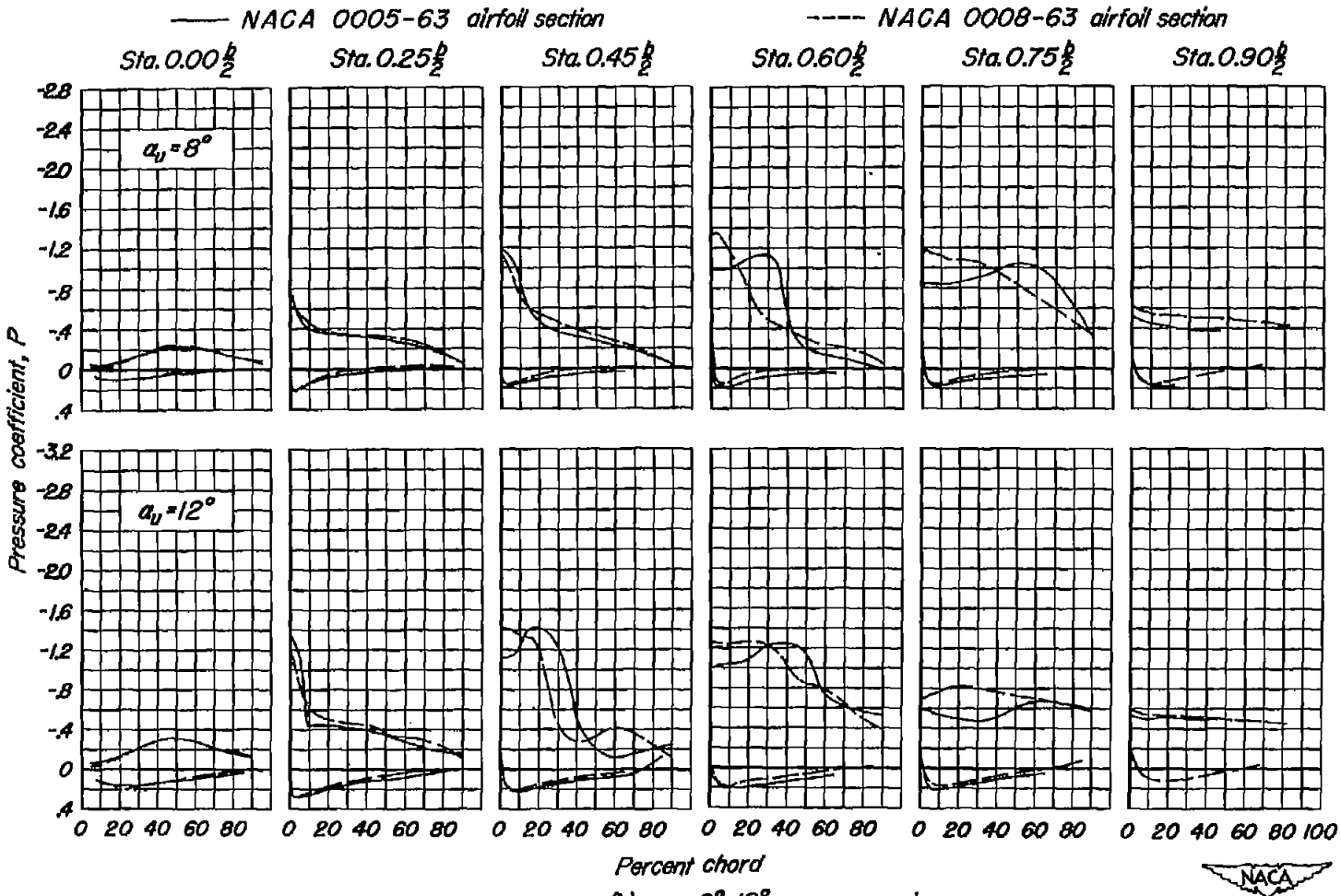
(e) α_u, 24°

Figure 6.- Concluded.



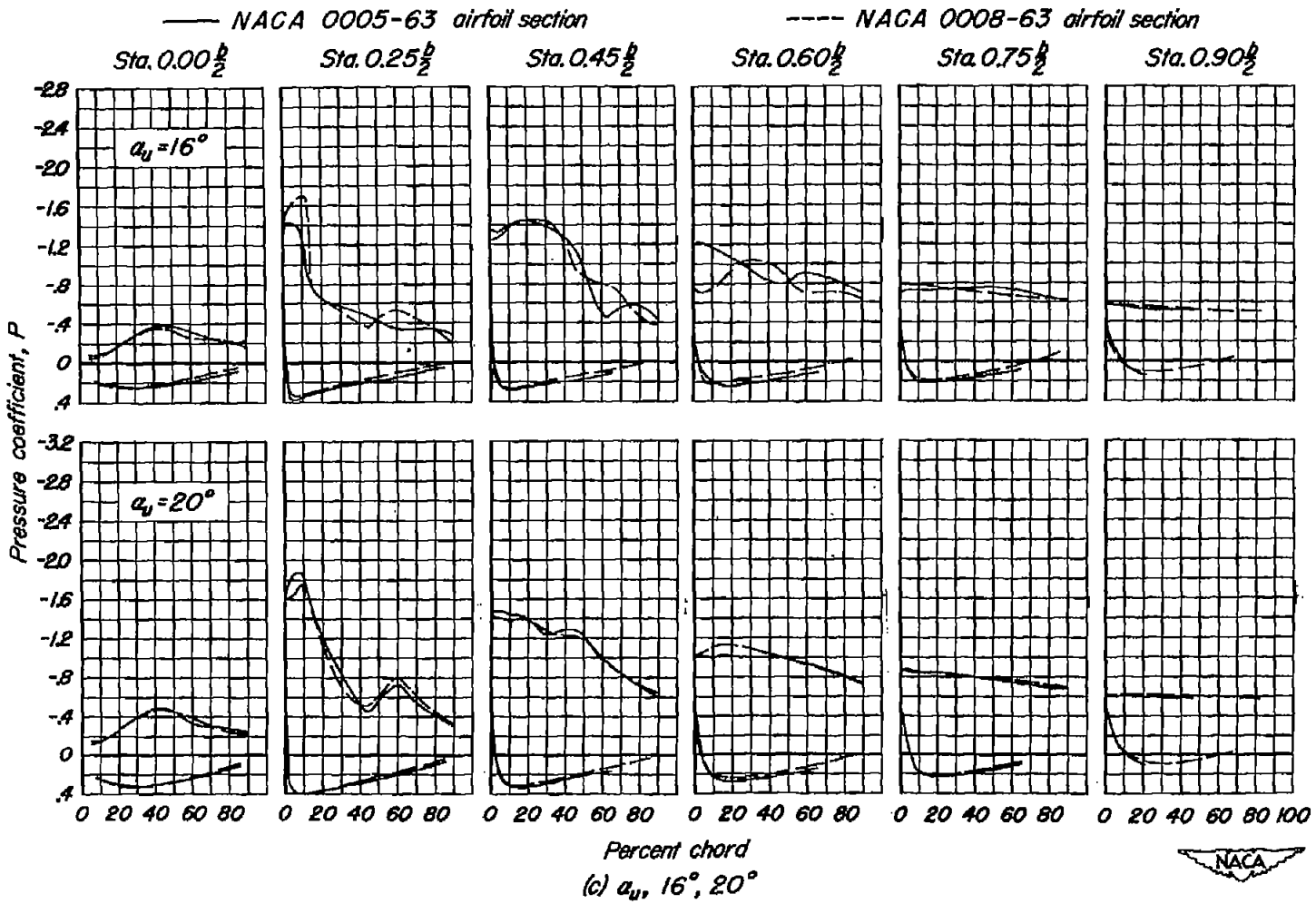
(a) α_u, 0°, 2°, 4°

Figure 7.- The effect of wing thickness on the chordwise distribution of pressure coefficient at six semispan stations for several angles of attack. R, 3.0 million; M, 0.80.



(b) α_u, 8°, 12°

Figure 7.- Continued.



(c) a_u, 16°, 20°

Figure 7.- Concluded.

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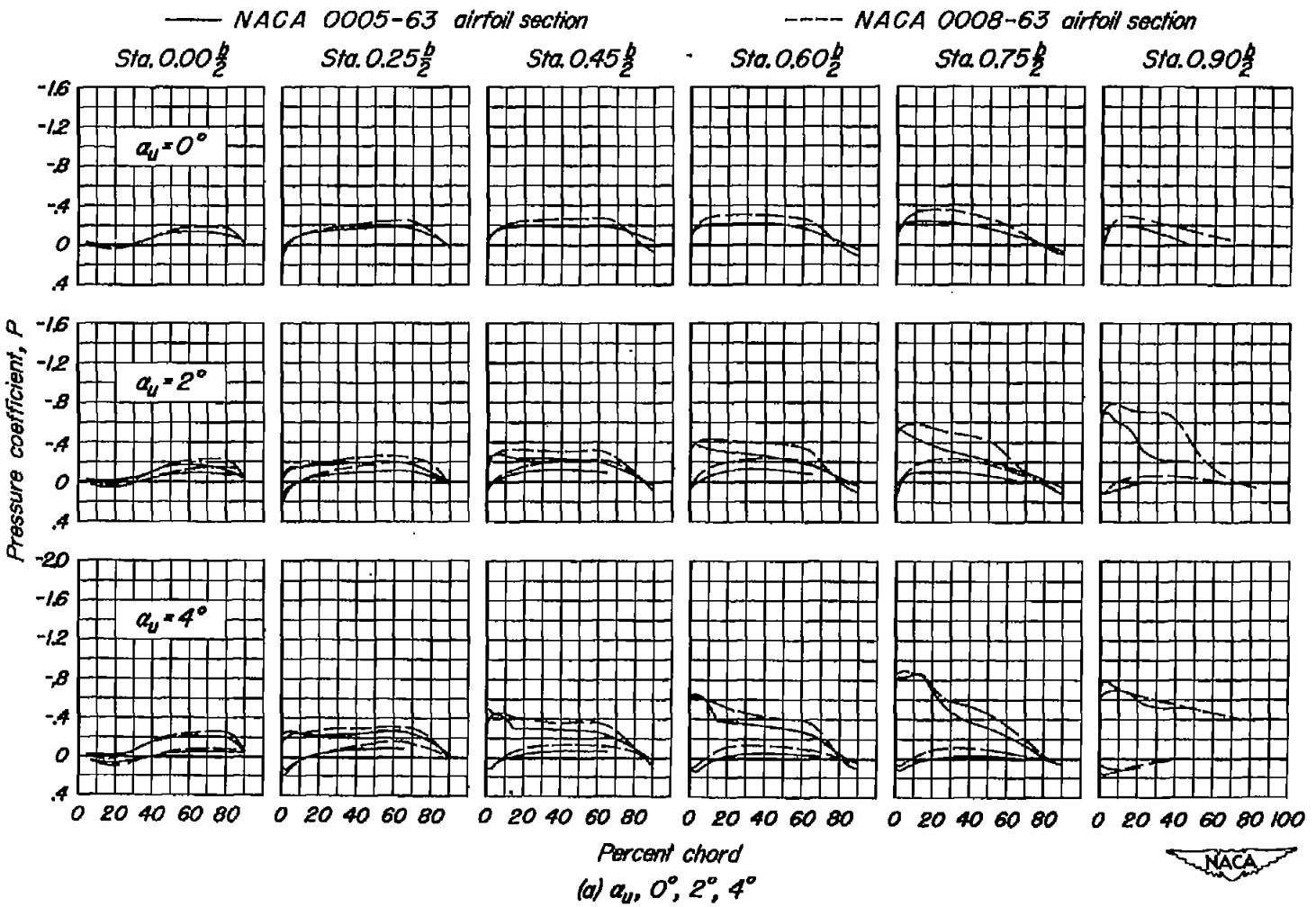
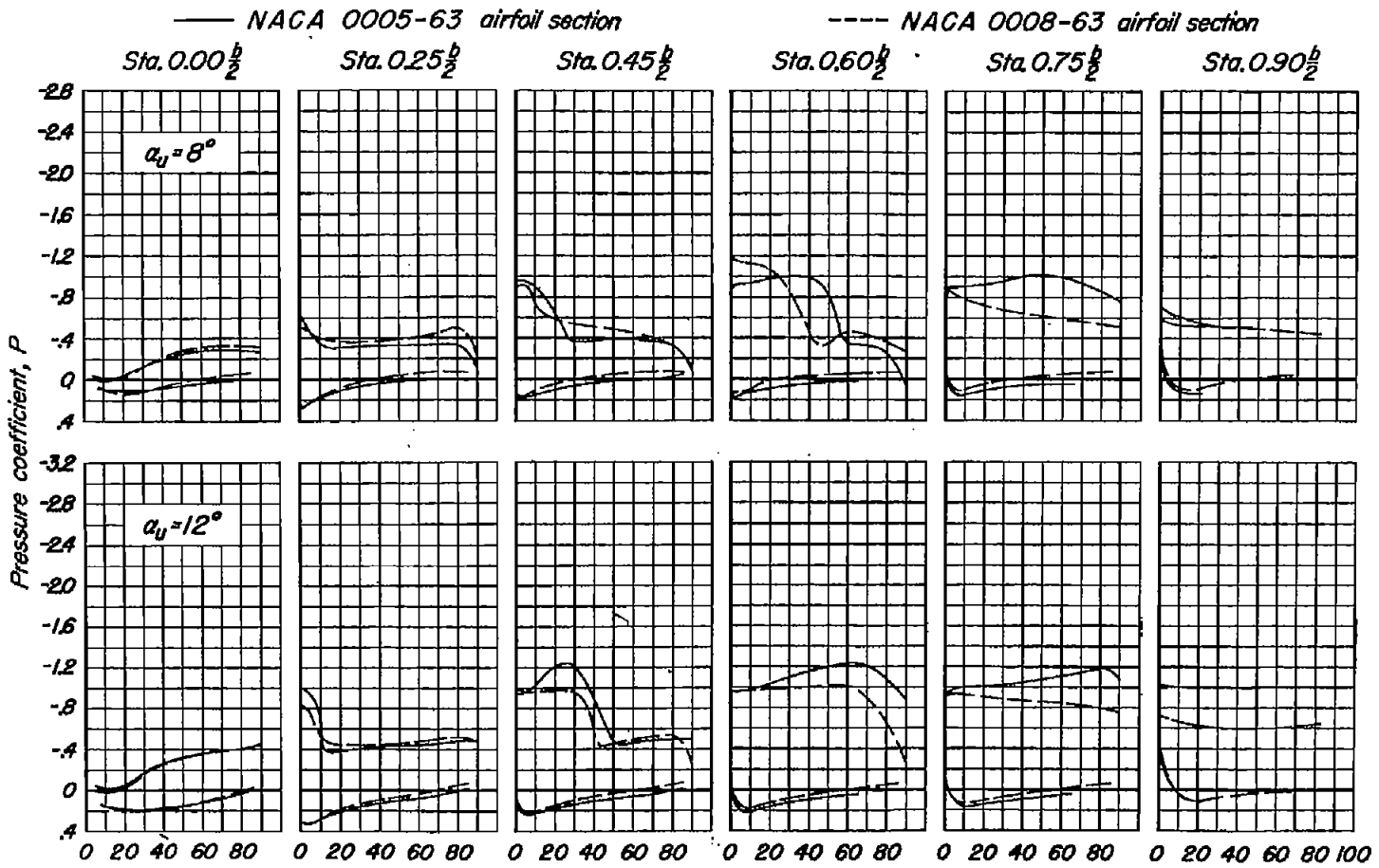


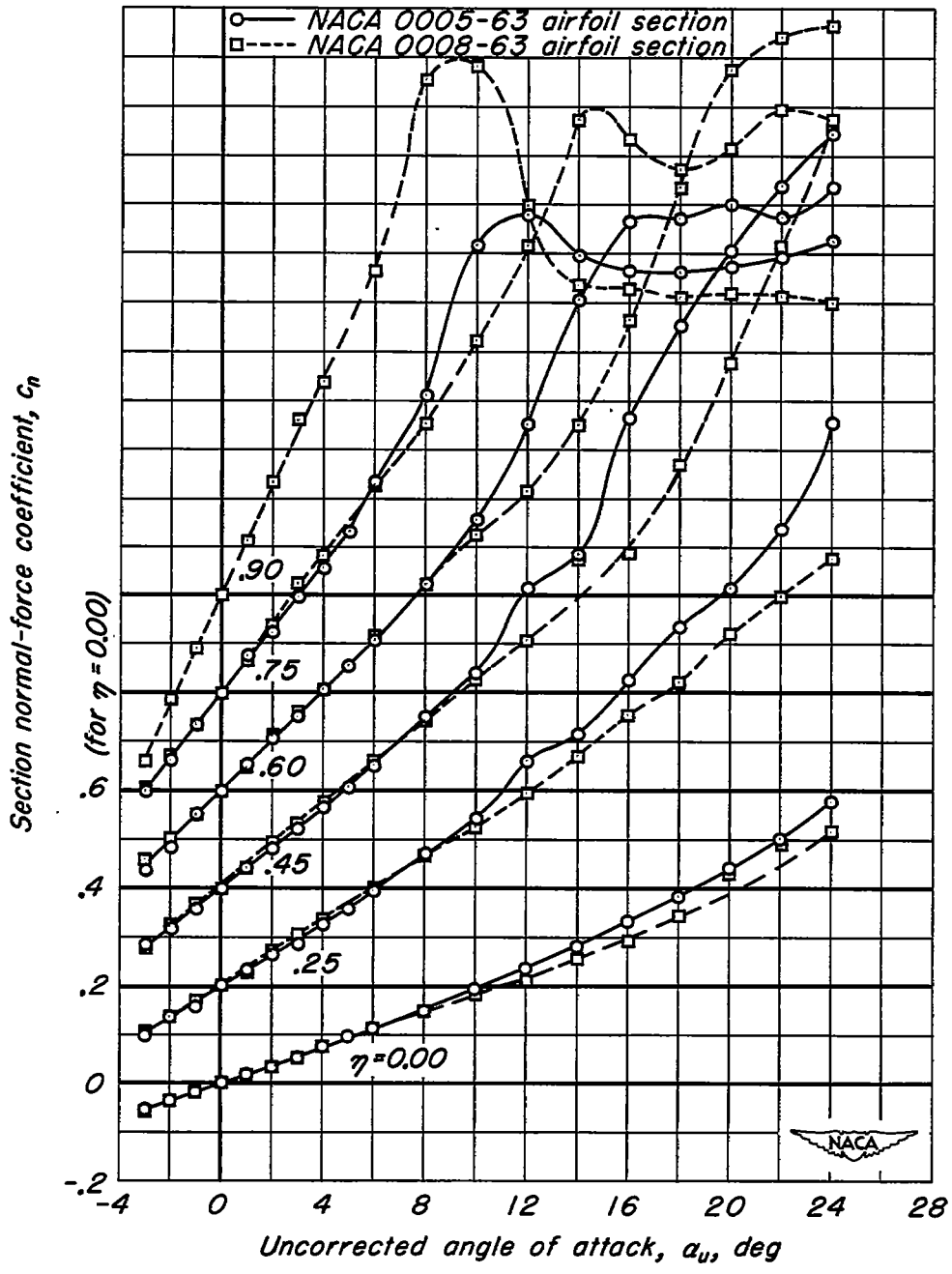
(a) α_u, 0°, 2°, 4°

Figure 8.- The effect of wing thickness on the chordwise distribution of pressure coefficient at six semispan stations for several angles of attack. R, 3.0 million; M, 0.95.



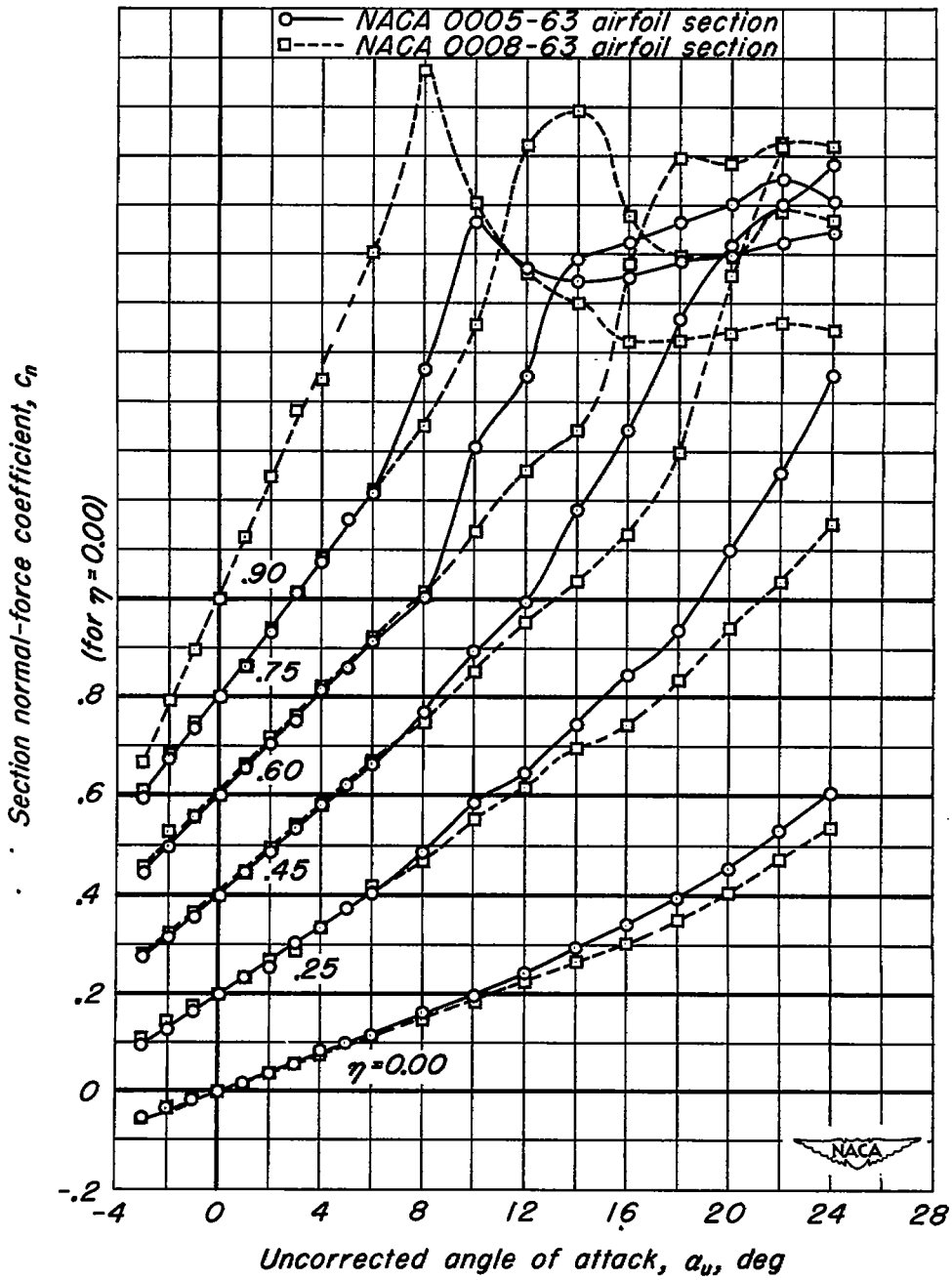
(b) a_u, 8°, 12°

Figure 8.- Concluded.



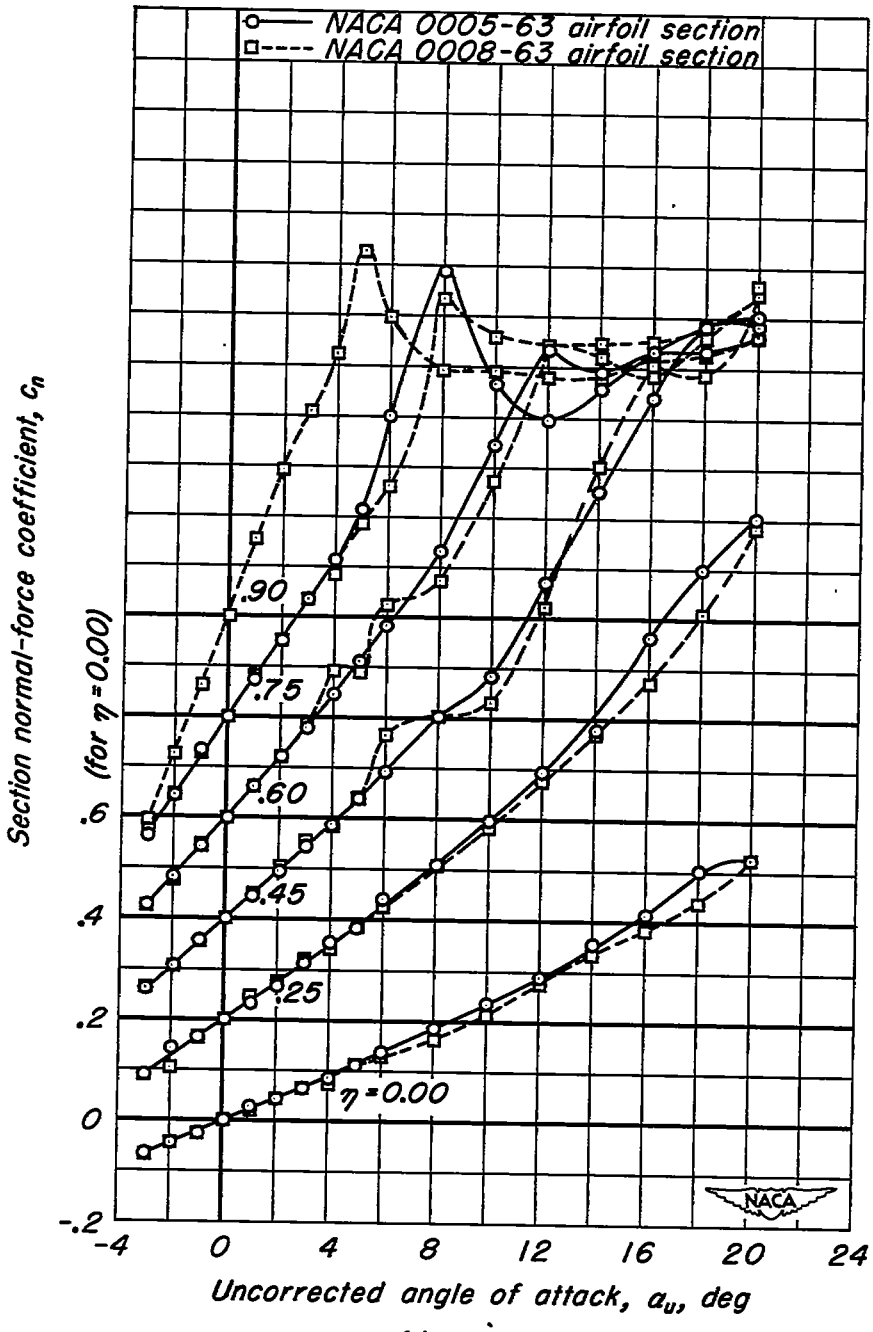
(a) M = 0.25

Figure 9.- The effect of wing thickness on the section normal-force coefficient at six semispan stations for several Mach numbers. R, 3.0 million.



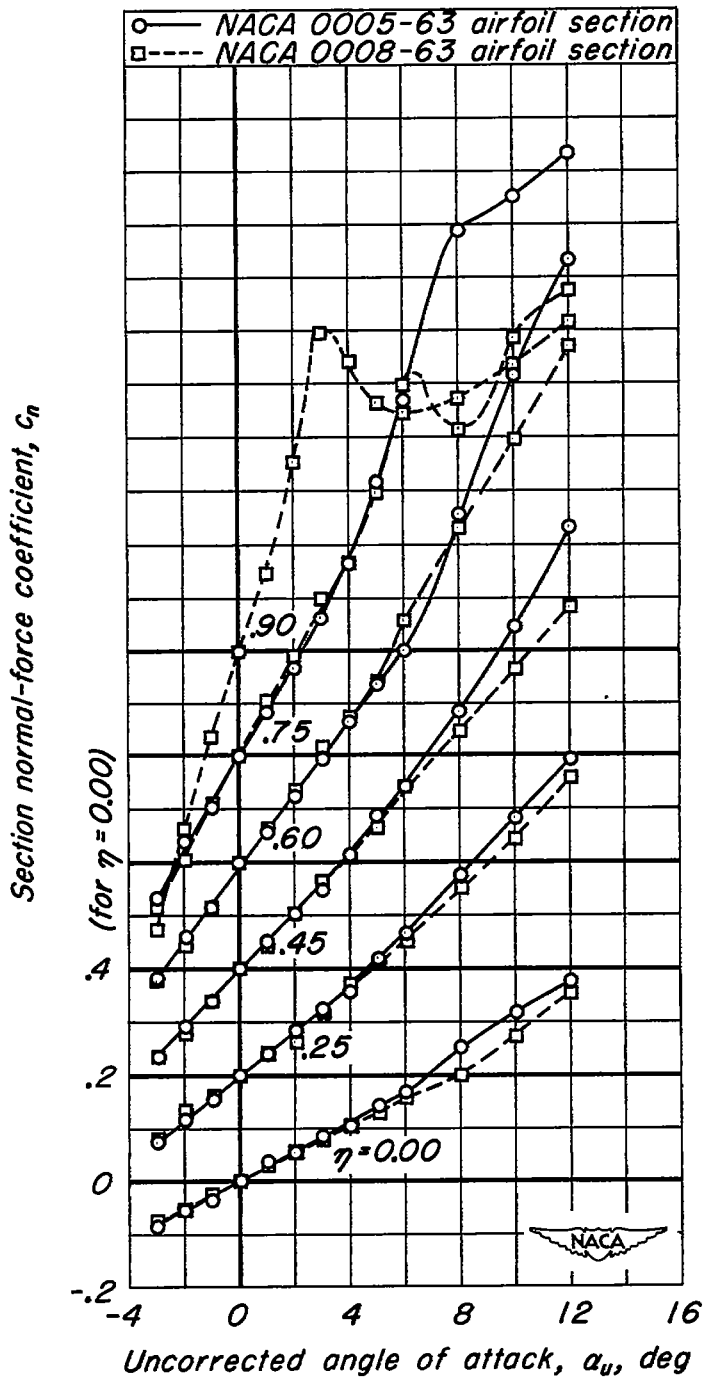
(b) M = 0.40

Figure 9.- Continued.



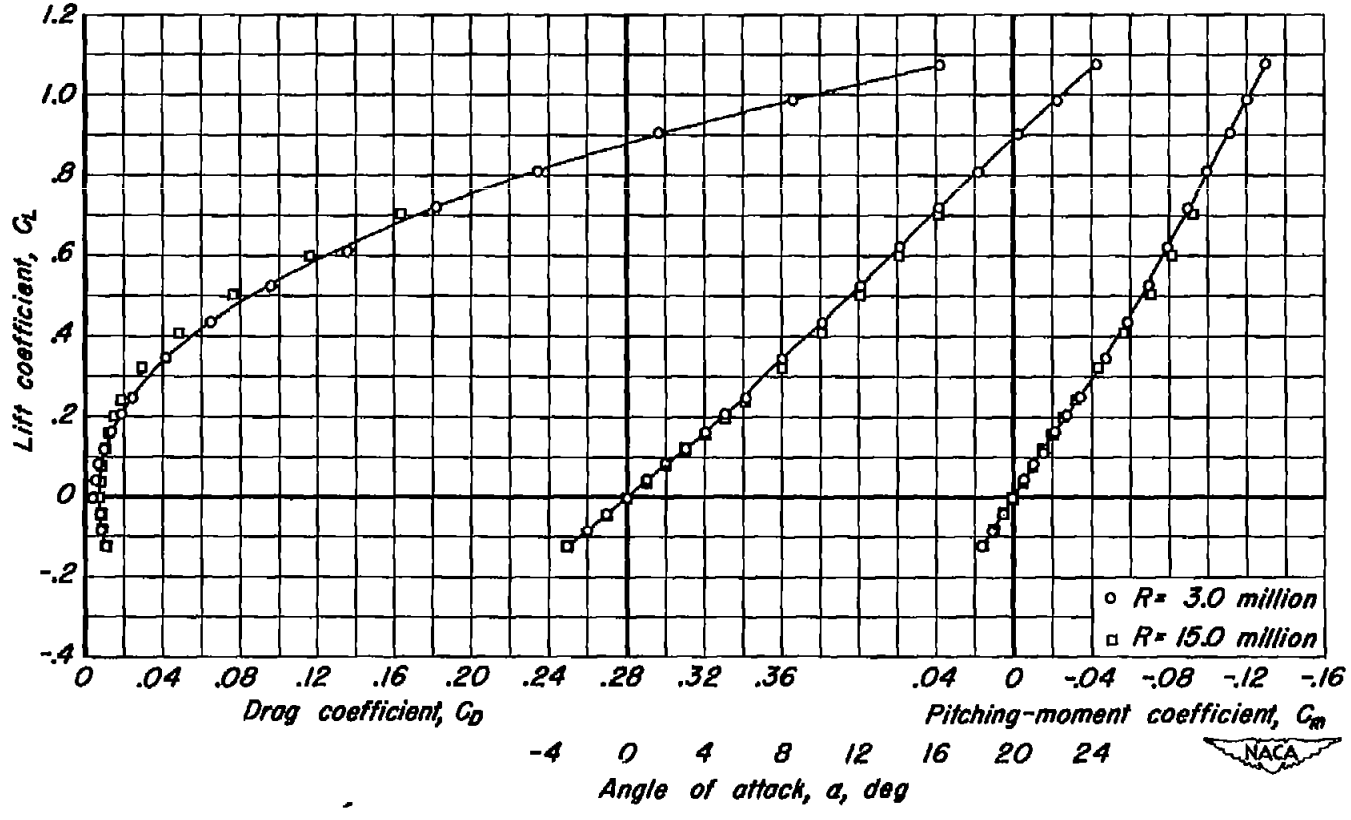
(c) M = 0.80

Figure 9.- Continued.



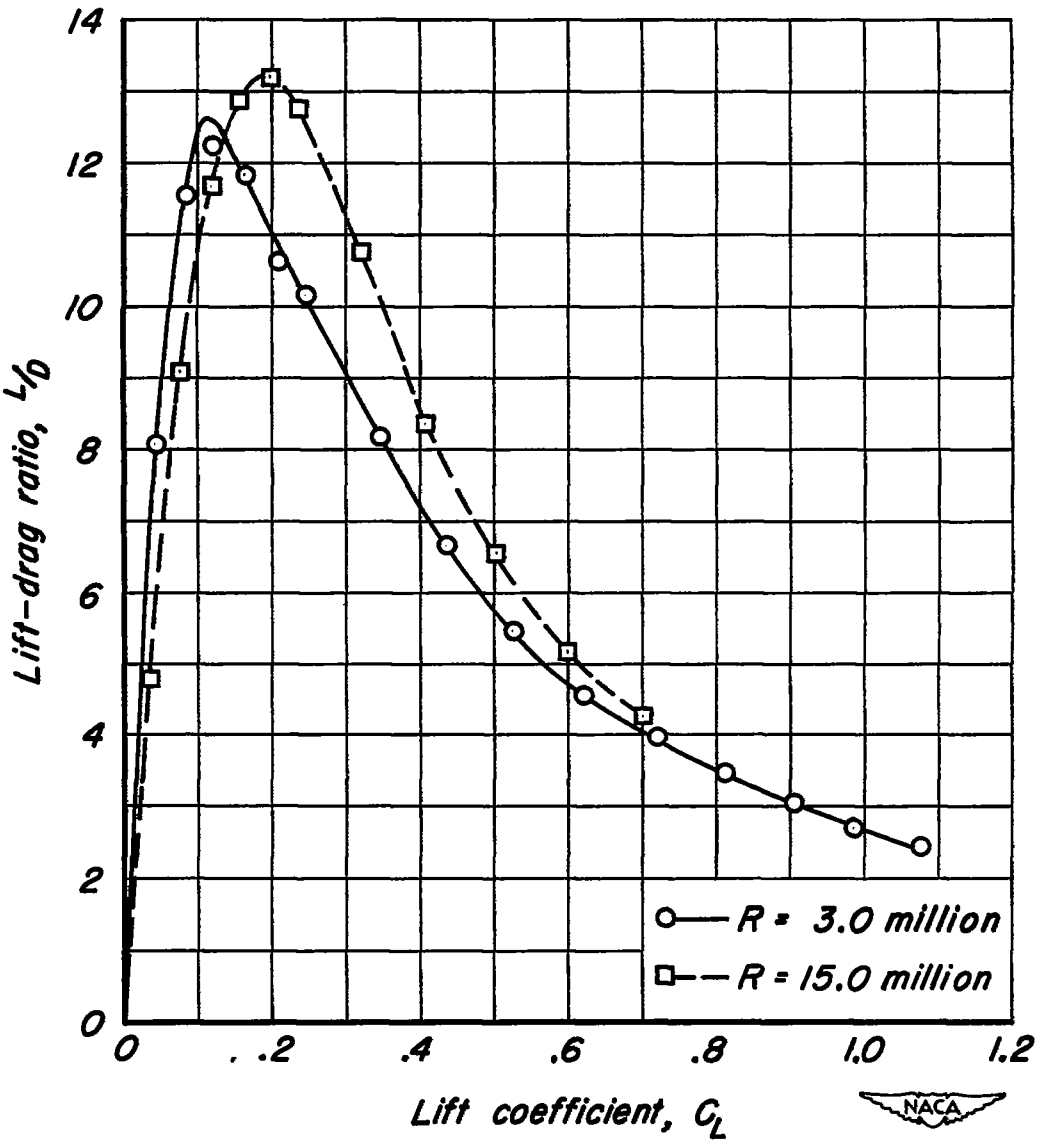
(d) M = 0.95

Figure 9.- Concluded.



(a) C_L vs C_D, C_L vs α, C_L vs C_m

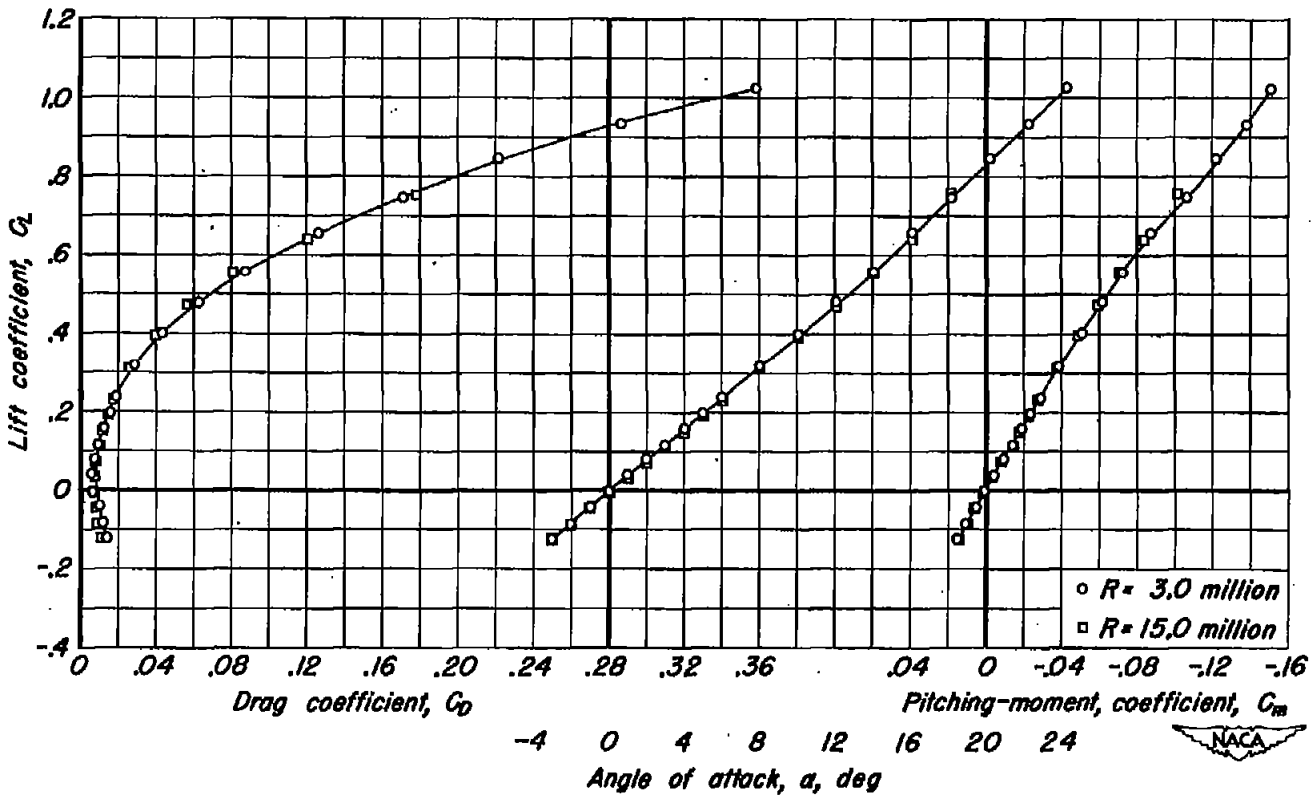
Figure 10.- The effect of Reynolds number on the variation of the aerodynamic characteristics with lift coefficient for the wing with NACA 0005-63 section. Data from reference 2; M, 0.24.



(b) L/D vs C_L

Figure 10.- Concluded.

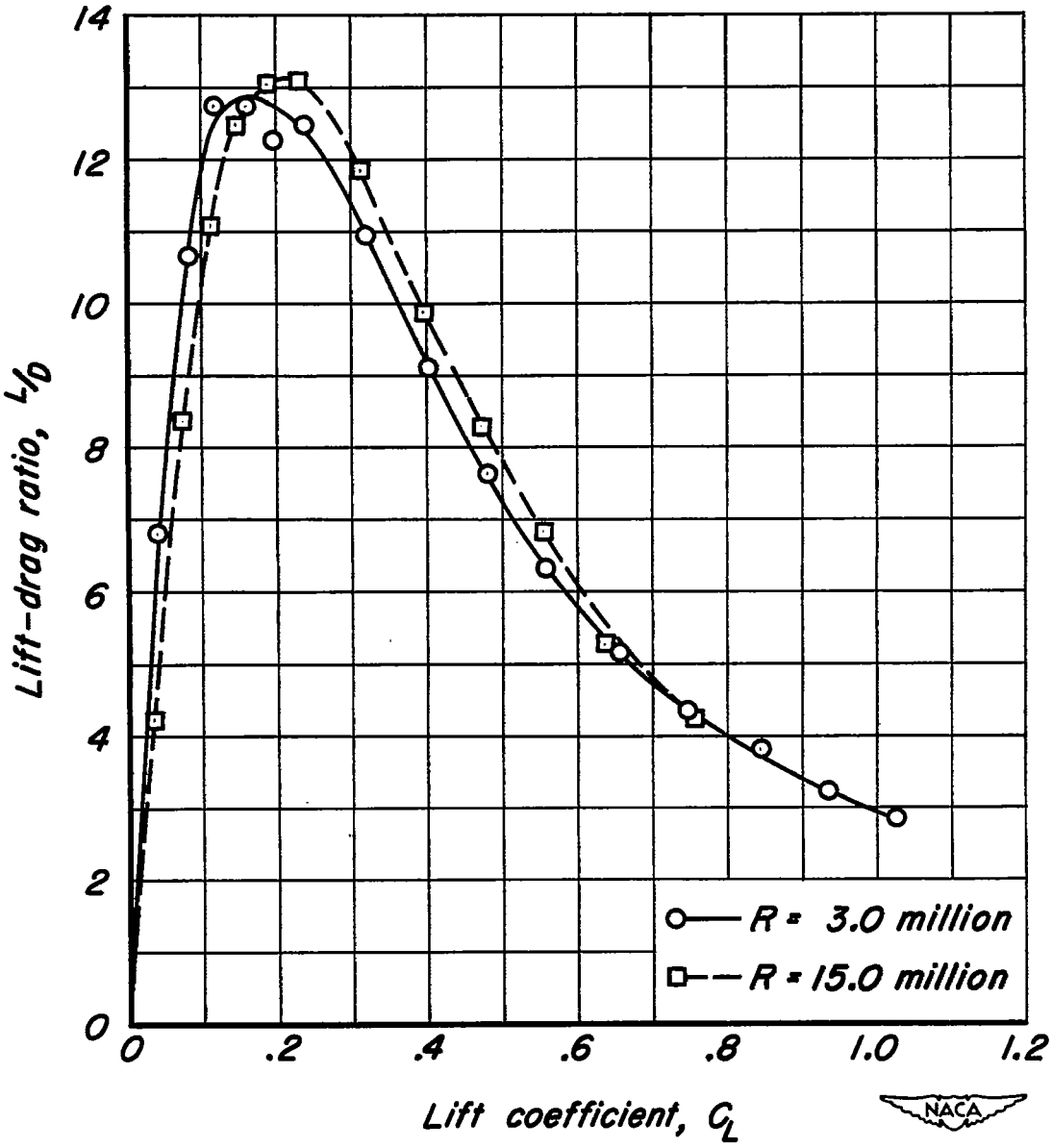
[redacted]



(a) C_L vs C_D, C_L vs α, C_L vs C_m

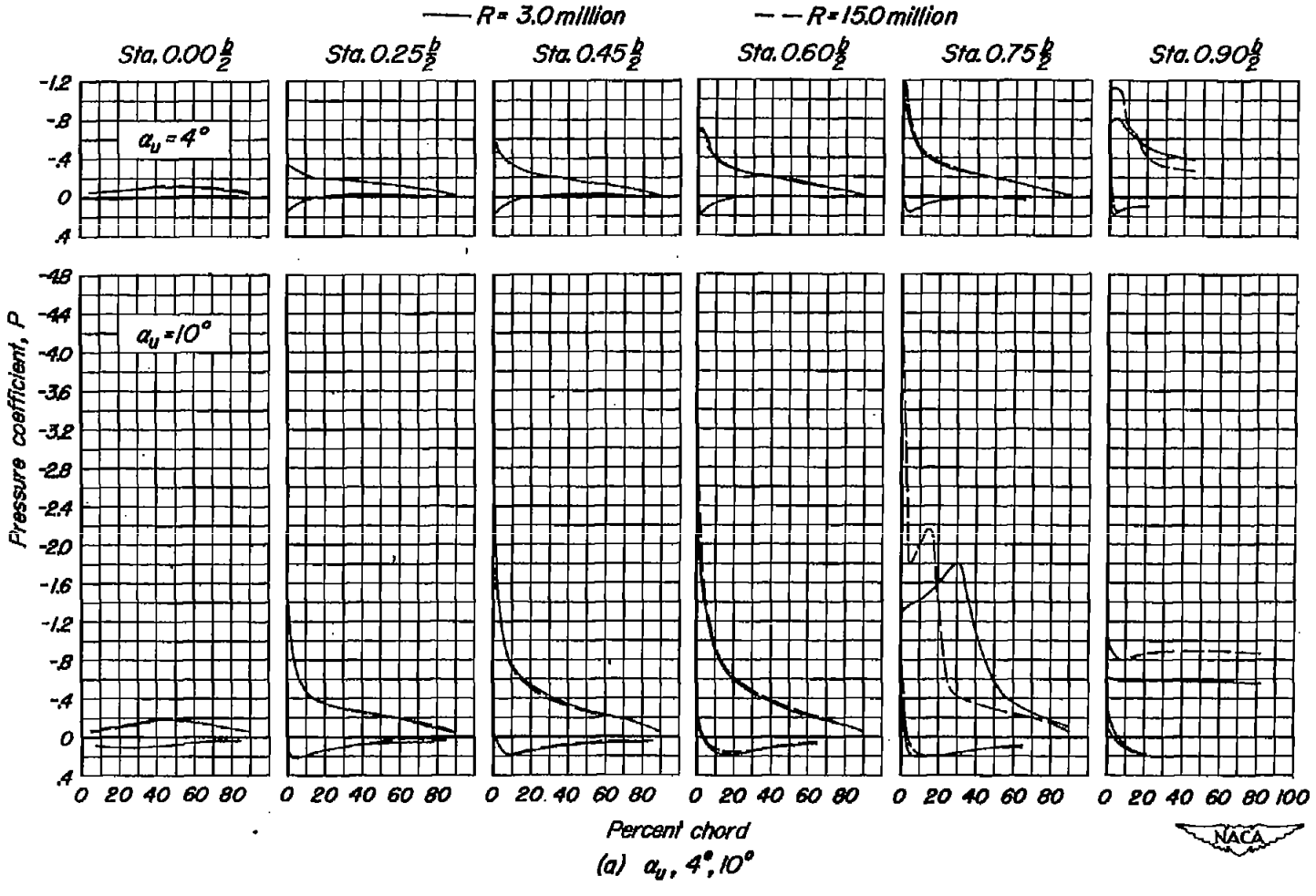
Figure 11.- The effect of Reynolds number on the variation of the aerodynamic characteristics with lift coefficient for the wing with NACA 0008-63 section. Data from reference 1; M, 0.24.

[redacted]



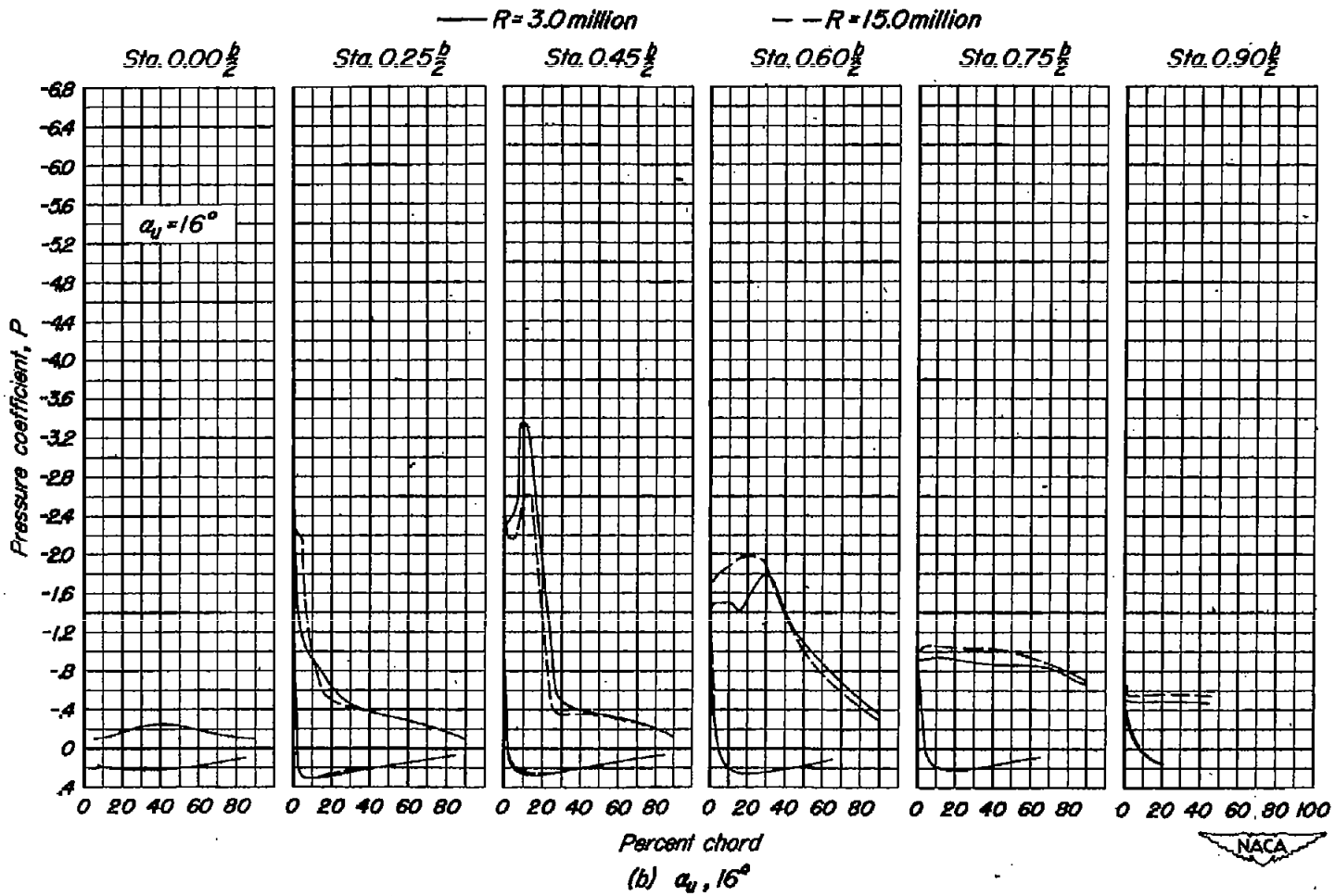
(b) L/D vs C_L

Figure 11.- Concluded.



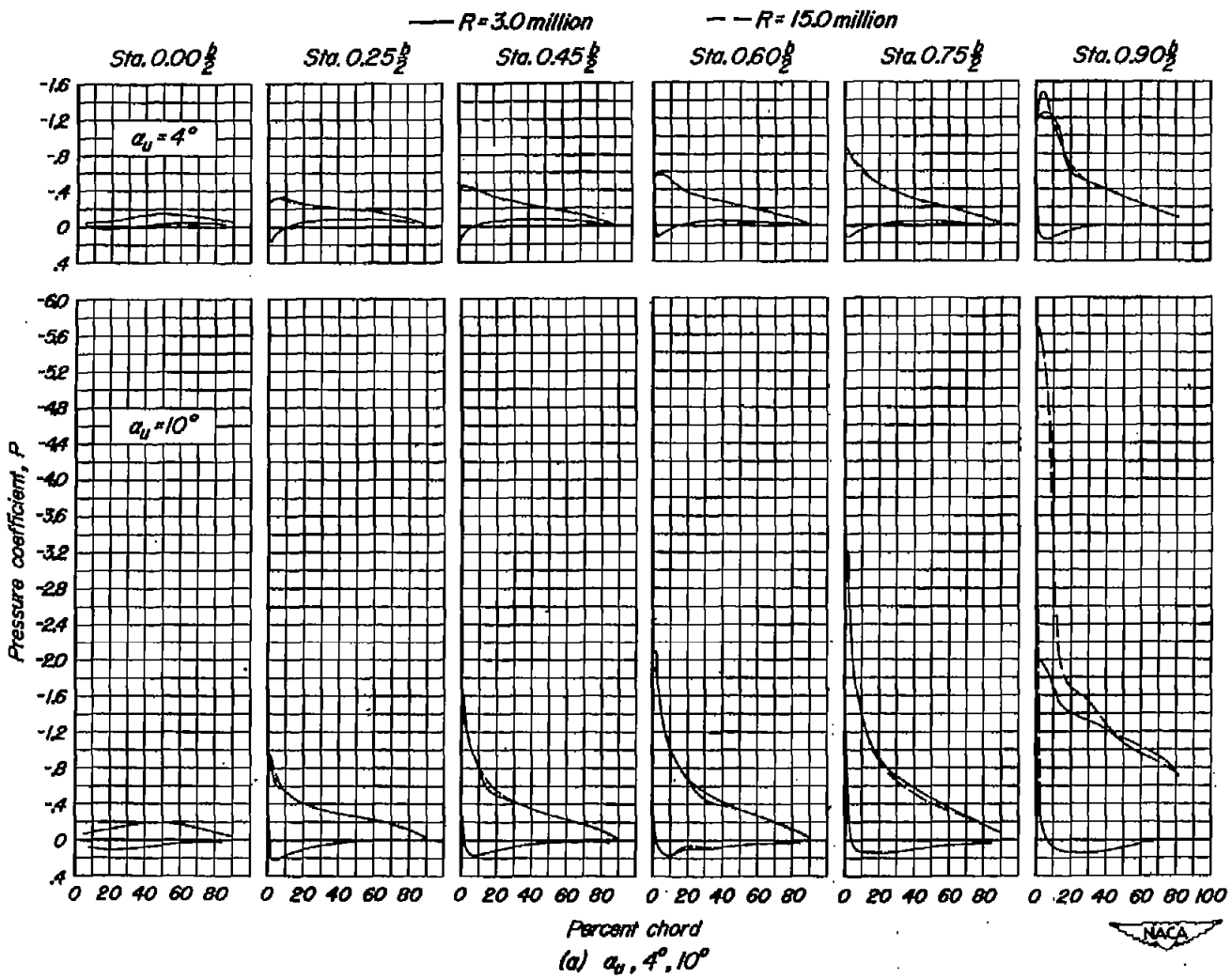
(a) α_u, 4°, 10°

Figure 12.- The effect of Reynolds number on the chordwise distribution of pressure coefficient for the wing with NACA 0005-63 section at several angles of attack. M, 0.24.



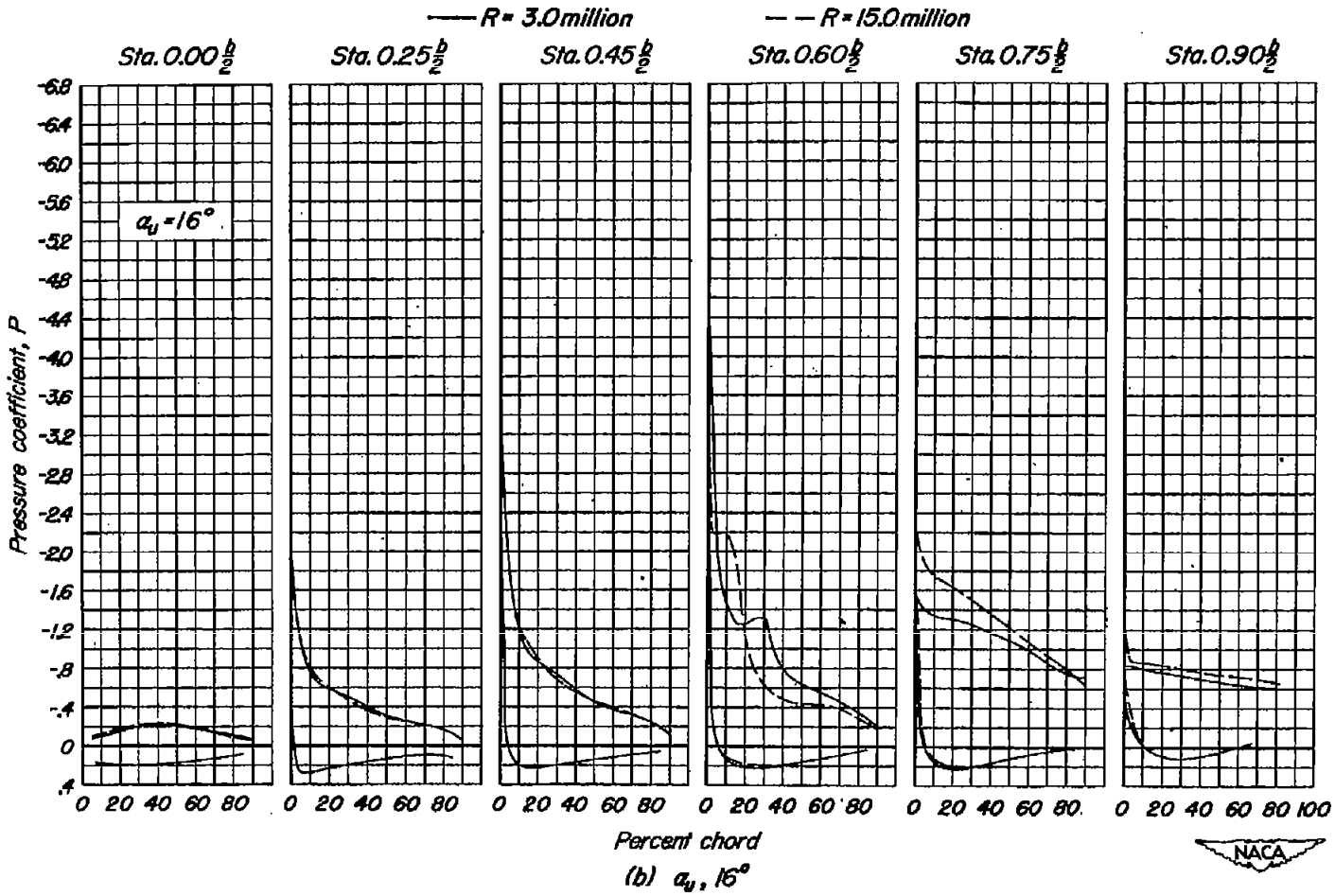
(b) α_u, 16°

Figure 12.- Concluded.



(a) α_u, 4°, 10°

Figure 13.- The effect of Reynolds number on the chordwise distribution of pressure coefficient for the wing with NACA 0008-63 section at several angles of attack. M, 0.24.



(b) α_u, 16°

Figure 13.- Concluded.

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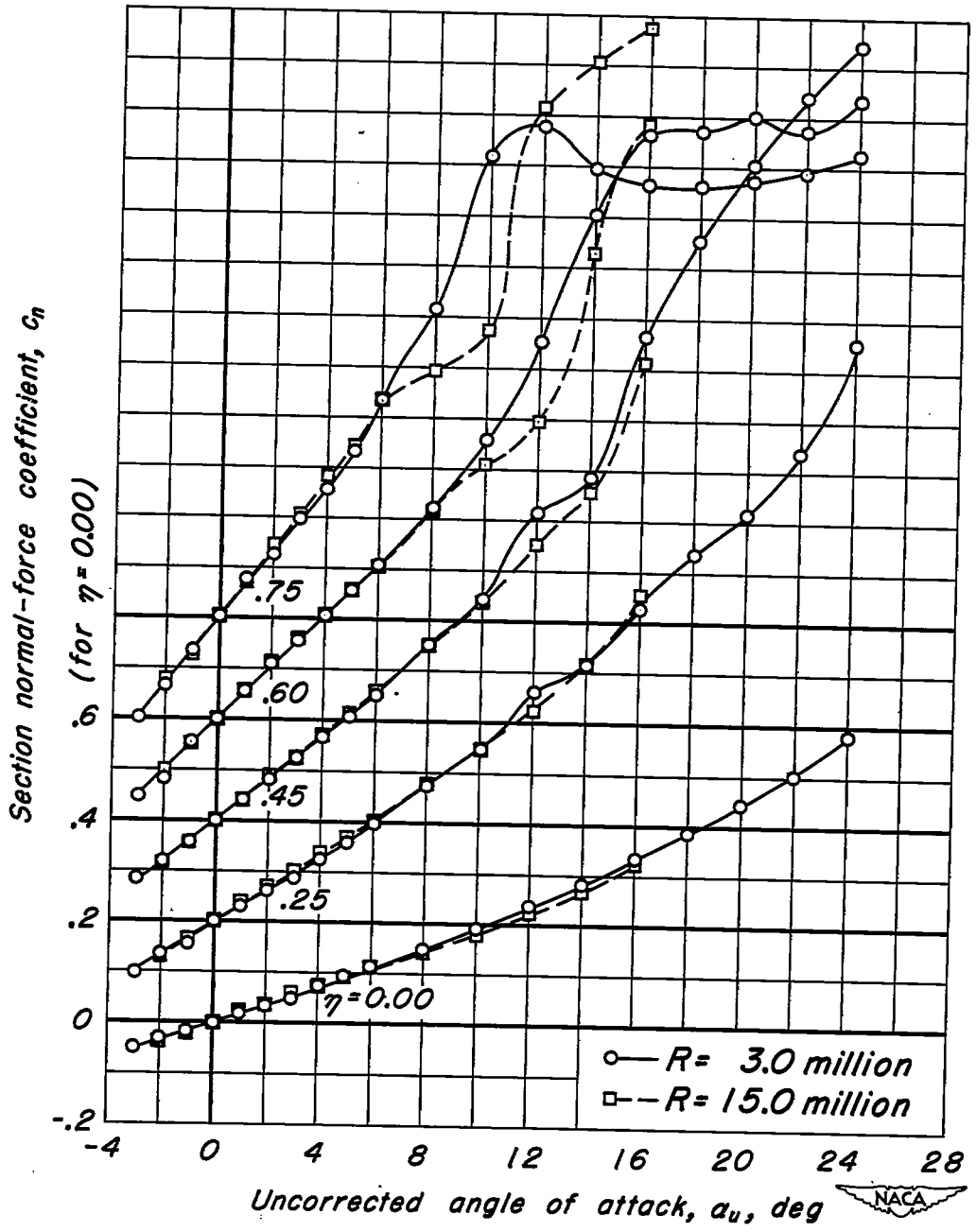


Figure 14.- The effect of Reynolds number on the section normal-force curves for the wing with NACA 0005-63 section at five spanwise stations. M, 0.24.

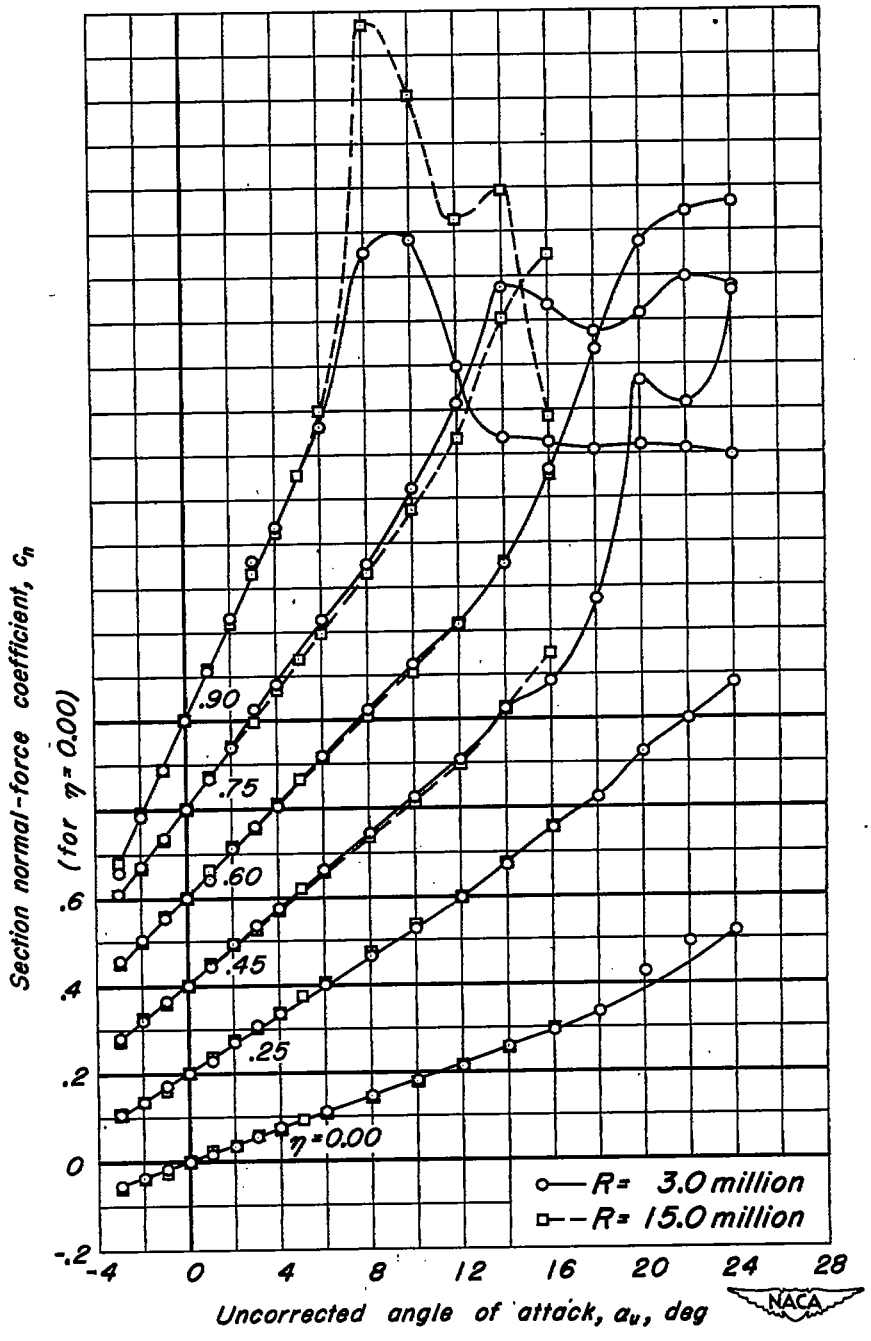


Figure 15.- The effect of Reynolds number on the section normal-force curves for the wing with NACA 0008-63 section at six spanwise stations. M, 0.24.

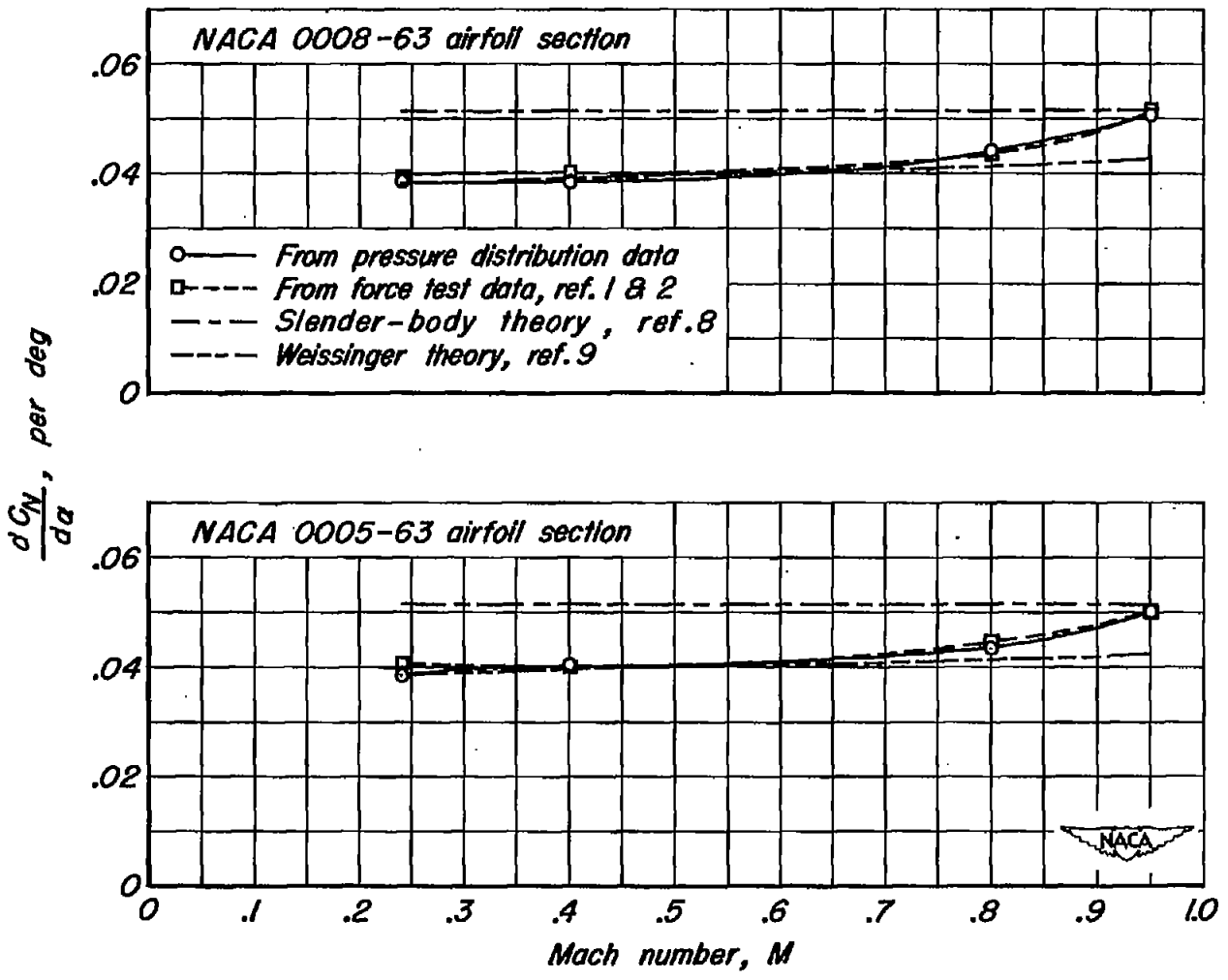


Figure 16.- Comparison between slopes of theoretical and experimental normal-force curves for a range of subsonic Mach numbers. R, 3.0 million.

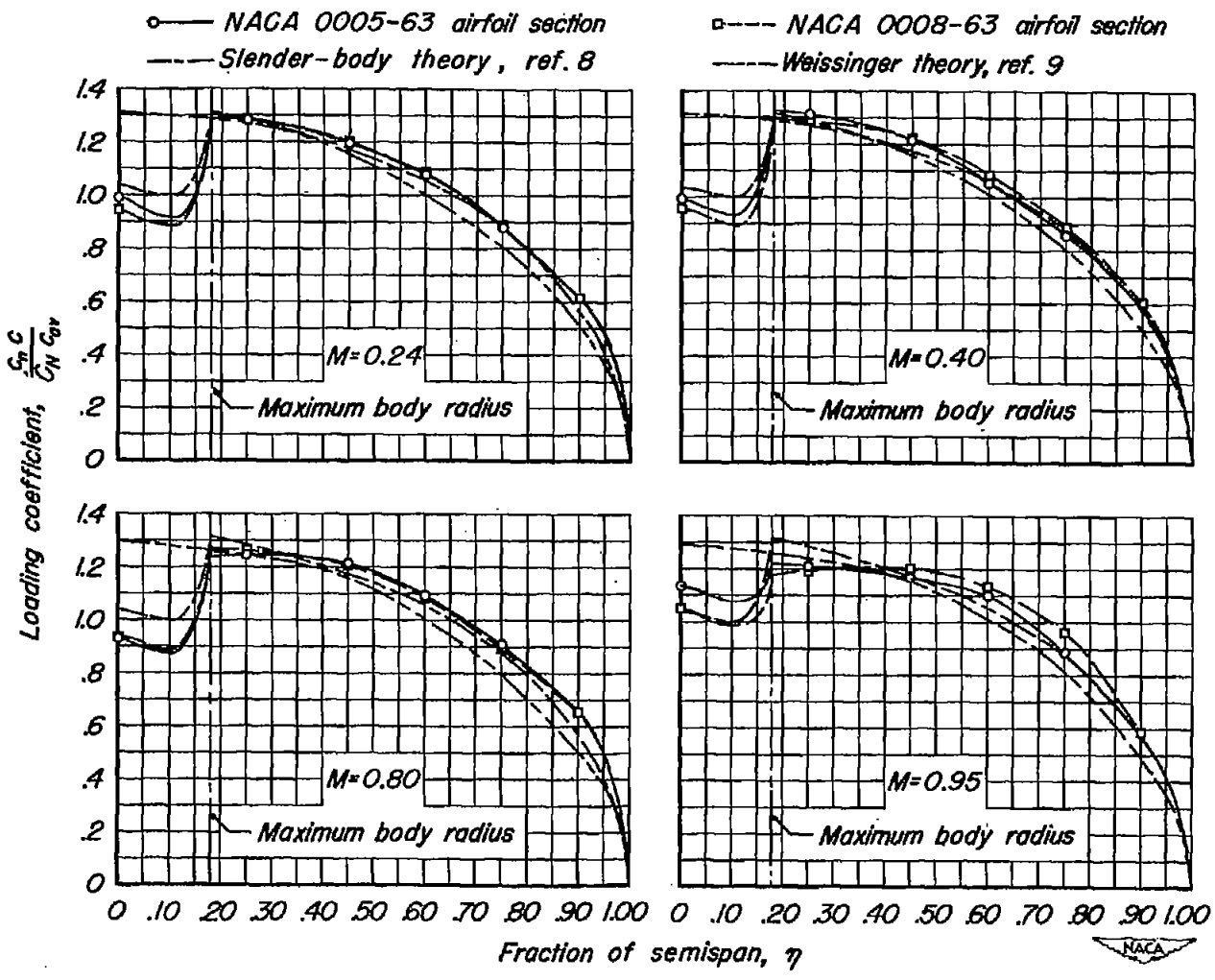


Figure 17.- The effect of wing thickness on the theoretical and experimental spanwise distribution of loading coefficient for the wings at several Mach numbers. R, 3.0 million.

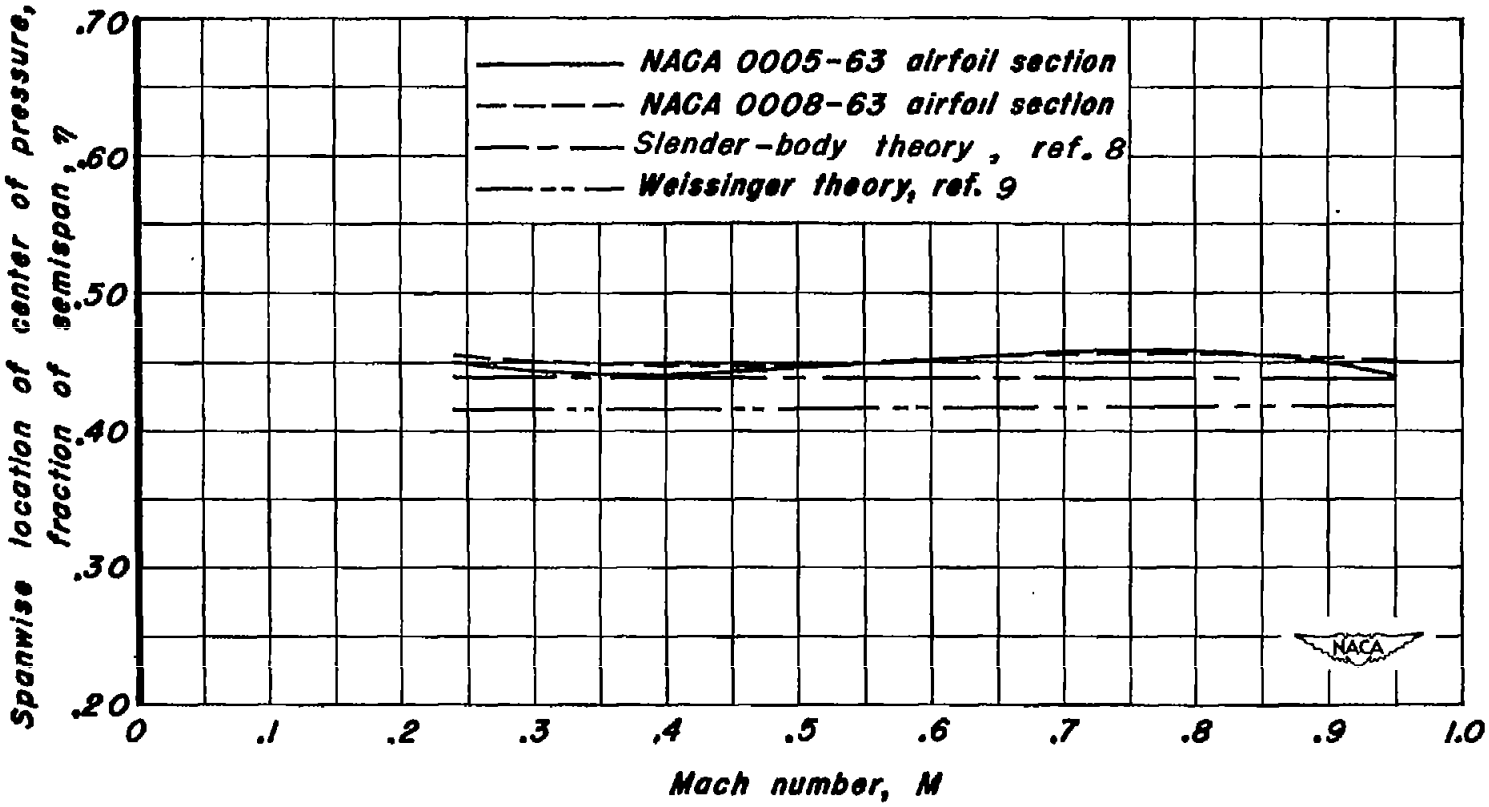
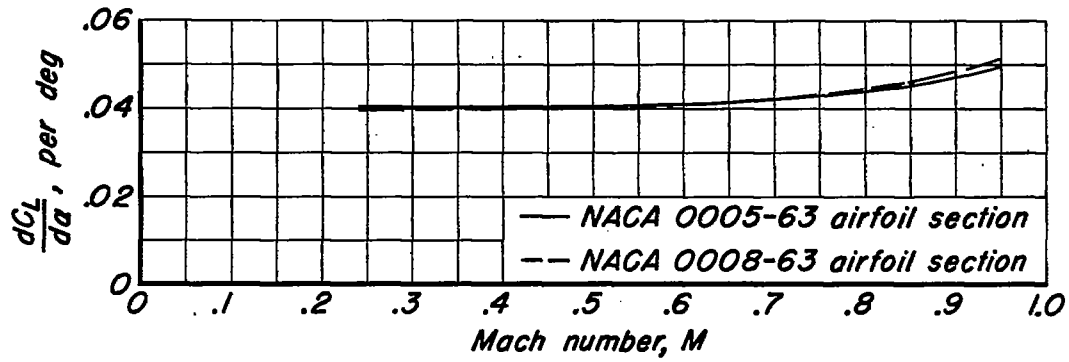
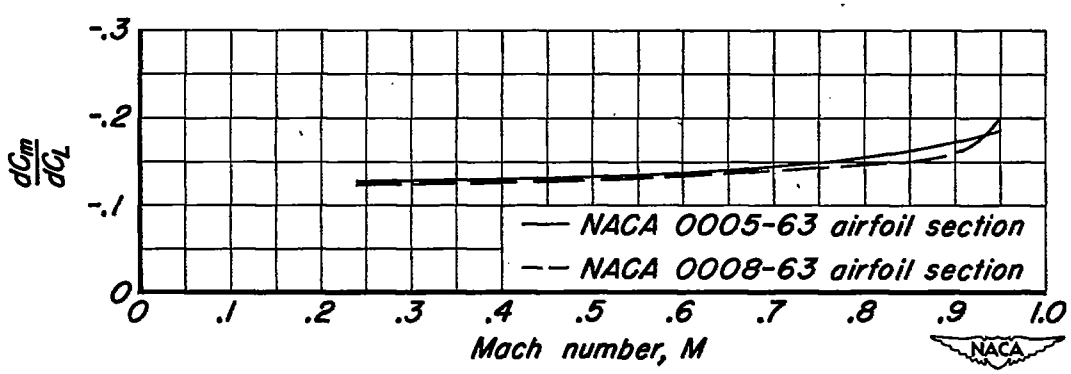


Figure 18.– The effect of Mach number on the theoretical and experimental spanwise location of the center of pressure. R, 3.0 million.

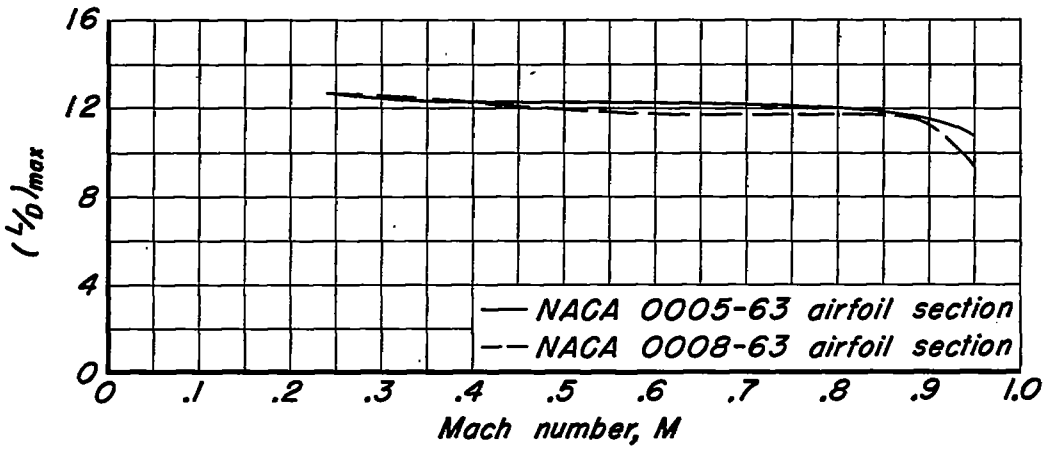


(a) $\frac{dC_L}{d\alpha}$ vs M.

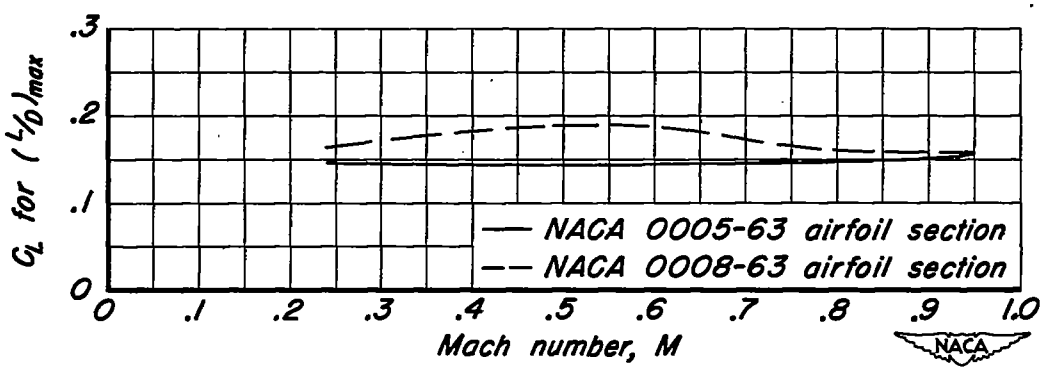


(b) $\frac{dC_m}{dC_L}$ vs M

Figure 19.- Summary of the effect of wing thickness on the aerodynamic characteristics as a function of Mach number. Data from references 1 and 2. R, 3.0 million.

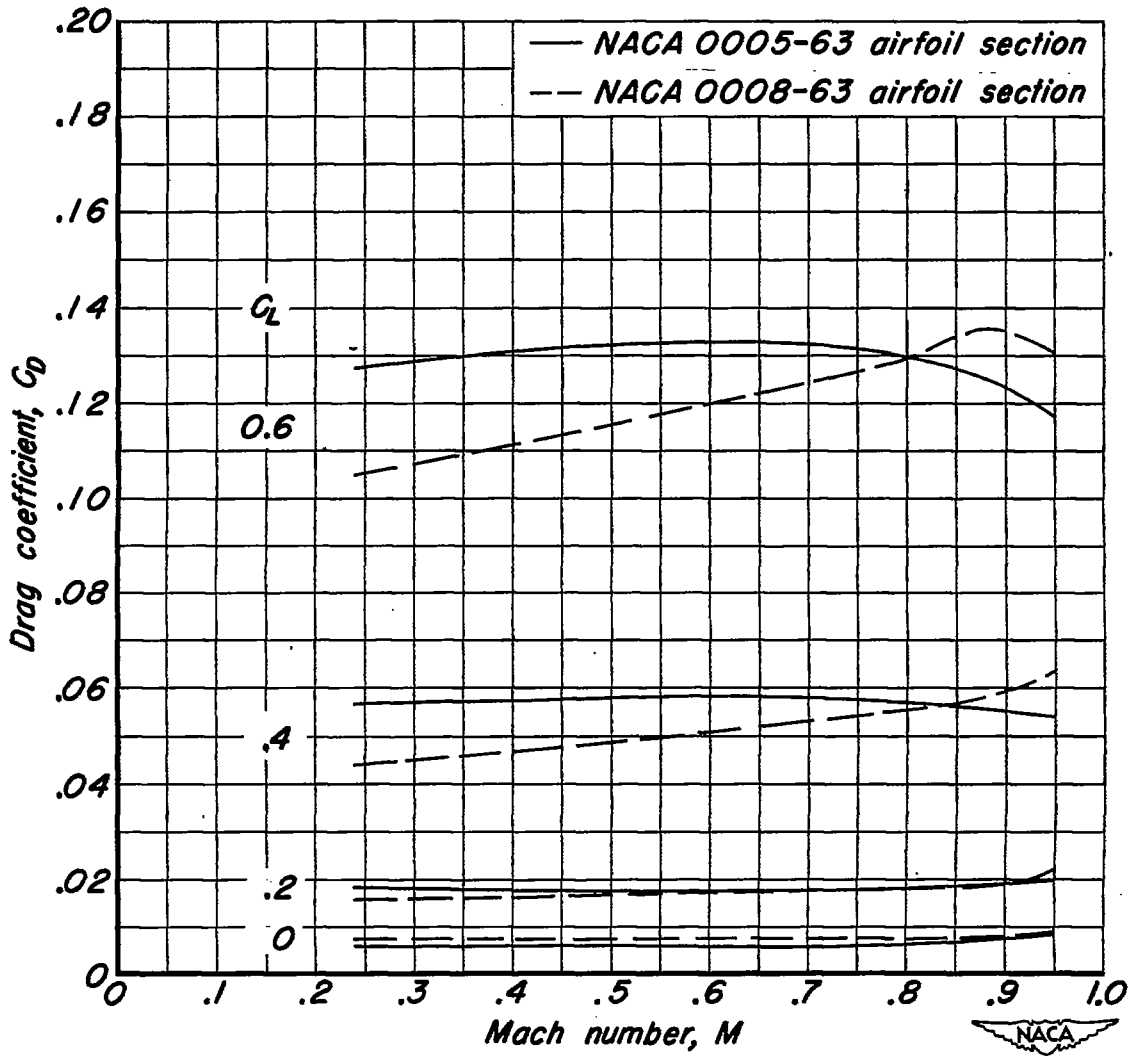


(c) $(L/D)_{max}$ vs M



(d) C_L for $(L/D)_{max}$ vs M

Figure 19.- Continued.



(e) C_D vs M

Figure 19.- Concluded.

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