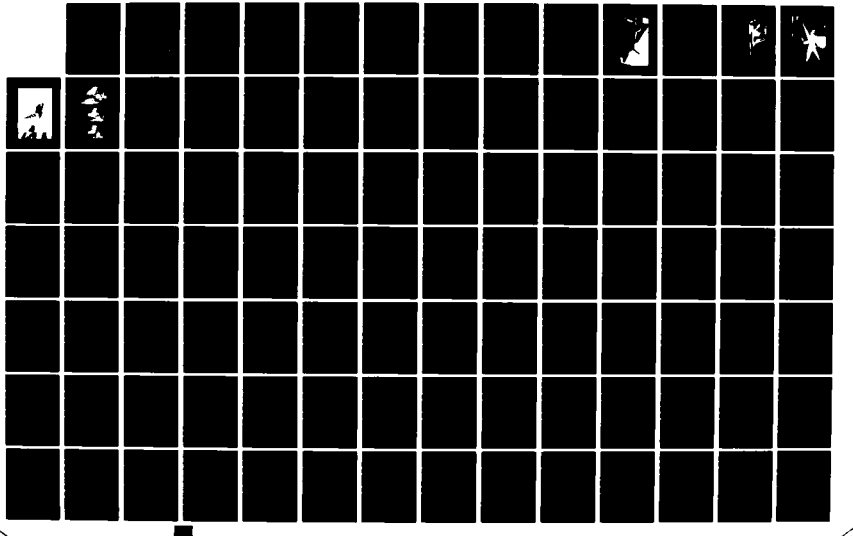
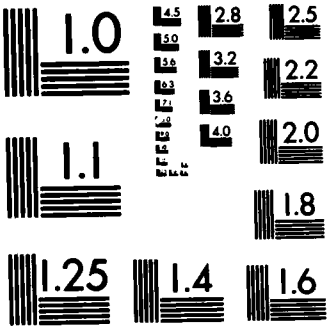
AD-A124 068 FORCE AND PRESSURE MEASUREMENTS ON A RESEARCH MODEL WITH A LOW- MID- AND..(U) GENERAL DYNAMICS FORT WORTH TX FORT WORTH DIV R A COX DEC 82 FZA-540-VOL-2 1/9

UNCLASSIFIED N00014-82-C-0340 F/G 1/3 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

AD A124068

FORCE AND PRESSURE MEASUREMENTS ON A RESEARCH MODEL WITH A LOW-, MID-, AND T-TAIL AT MACH NUMBERS OF 0.60 TO 0.90

VOLUME II - TABULATED DATA

R. A. Cox

GENERAL DYNAMICS
Fort Worth Division

Contract N00014-82-C-0340

December 1982

FINAL REPORT

DTIC FILE COPY

DTIC
FEB 2 1983

DISTRIBUTION STATEMENT A
Approved for public release;
Distribution Unlimited

Prepared For The
OFFICE OF NAVAL RESEARCH

83 02 02 034

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER: General Dynamics Report No. FZA-540 / 2. GOVT ACCESSION NO.: AD-A124 068	3. RECIPIENT'S CATALOG NUMBER:
4. TITLE (and Subtitle): Force and Pressure Measurements on a Research Model with a Low-,Mid-, and T-Tail at Mach Numbers of 0.60 to 0.90; Volume II - Tabulated Data	5. TYPE OF REPORT & PERIOD COVERED: Final Report 15 April 1982 - 14 Dec 1982
	6. PERFORMING ORG. REPORT NUMBER: N/A
7. AUTHOR(s): Cox, Ronald A.	8. CONTRACT OR GRANT NUMBER(s): N00014-82-C-0340
9. PERFORMING ORGANIZATION NAME AND ADDRESS: General Dynamics, Fort Worth Division, P. O. Box 748, Fort Worth, Texas 76101	10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS: P.E. 62241N, RF 41-411-801, NR 212-274
11. CONTROLLING OFFICE NAME AND ADDRESS: Office of Naval Research, 800 N. Quincy Street, Arlington, Virginia 22217	12. REPORT DATE: December 1982
	13. NUMBER OF PAGES:
14. MONITORING AGENCY NAME & ADDRESS(if different from Controlling Office)	15. SECURITY CLASS. (of this report): Unclassified
	15a. DECLASSIFICATION DOWNGRADING SCHEDULE

16. DISTRIBUTION STATEMENT (of this Report)

Approved for public release, distribution unlimited

17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)

18. SUPPLEMENTARY NOTES

19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

An investigation of the effects of a low-, mid-, and T-Tail on configuration aerodynamics was carried out in the NASA/Ames Research Center 14-Foot Transonic Wind Tunnel. A baseline wing and a wing refined with the use of numerical optimization were tested alone and in conjunction with a horizontal tail in a low-, mid-, and T-Tail arrangement. Wing and horizontal tail pressure data and force data were obtained in the Mach number range 0.60 to 0.90 and at angles of attack from -6 to +28 deg. The all-flying horizontal tail was tested at angles of -10, 0, and +10 deg. This report presents the complete set of longitudinal aerodynamic data and static pressure data. Volume I presents an analysis and summary of these data.

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

SUMMARY

An investigation of the effects of a low-, mid-, and T-tail on configuration aerodynamics was carried out in the NASA/Ames Research Center 14-Foot Transonic Wind Tunnel. A baseline wing and a wing refined with the use of numerical optimization were tested alone and in conjunction with a horizontal tail in a low-, mid-, and T-tail arrangement. The refined wing airfoil sections were obtained by perturbing from the baseline wing sections in order to satisfy specified design criteria. Chordwise pressure distributions utilized in the numerical optimization were computed with the Bailey-Ballhaus transonic, small-disturbance code.

Wing and horizontal tail pressure data and force data were obtained in the Mach number range 0.60 to 0.90 and at angles of attack from -6 to +28 deg. The all-flying horizontal tail was tested at deflection angles of -10, 0, and +10 deg.

This report presents the complete set of longitudinal aerodynamic data in the stability axis system and the complete set of static pressure data. These data are intended for reference purposes and are presented here without analysis. Volume I presents an analysis and summary of these data.

PREFACE

The wind tunnel test outlined in this report was sponsored by the Office of Naval Research , the NASA/Ames Research Center, and the Naval Air Systems Command under Contract No. N00014-82-C-0340 and executed by General Dynamics Corporation. The contracted activity spans the period from 15 April 1982 through 14 December 1982. Tests were conducted in June and July of 1982 at the NASA/Ames Research Center 14-Foot Transonic Wind Tunnel. The research model, designated 603E, was manufactured in part under ONR Contract No. N00014-81-C-0680.

The program activities were monitored by Dr. Robert E. Whitehead of ONR. Additional support was provided by Ray M. Hicks of NASA/Ames Research Center. The program was managed by Ronald A. Cox of the Fort Worth Division and the tests were conducted by R. J. Cochi.

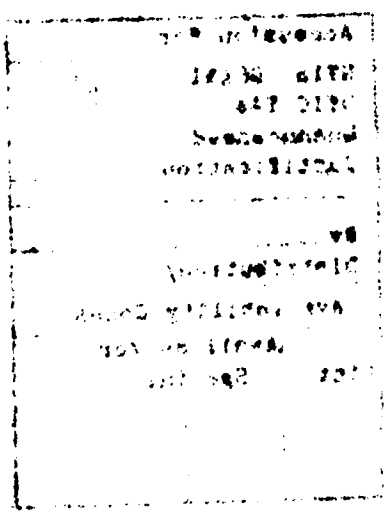
TABLE OF CONTENTS

Section		Page
	SUMMARY	1
	PREFACE	2
	LIST OF ILLUSTRATIONS	4
	LIST OF TABLES	5
1	INTRODUCTION	7
2	TEST AND MODEL DESCRIPTION	9
	2.1 Model Description	9
	2.2 Instrumentation	21
	2.3 Test Procedures	23
3	PRESENTATION OF RESULTS	25
	LIST OF ABBREVIATIONS	846
	DISTRIBUTION LIST	848

Accession For
NTIS GRA&I
DTIC TAB
Unannounced
Justification
By
Distribution/
Availability Codes
Dist | Avail and/or Special
A

LIST OF ILLUSTRATIONS

Figure		Page
1	Three-quarter rear view of model 603E.	8
2	Top view of model 603E.	10
3	Three-quarter front view of model 603E.	11
4	Model 603E installed in the NASA/ARC 14-Foot Wind Tunnel.	12
5	Low-, mid-, and T-Tail positions.	13
6	Wing and vertical tail planform geometries.	14
7	Horizontal tail geometry and locations.	15
8	Fuselage cross-sections.	19
9	Boundary layer trip locations.	24



LIST OF TABLES

Table		Page
2.1	General Geometric Characteristics	16
2.2	Balance MK 20-A Maximum Loads	21
2.3	Wing Orifice Locations	22
2.4	Horizontal Tail Orifice Locations	22
2.5	NASA/ARC 14-Foot Tunnel Flow Angularity	23
3.1	NASA/ARC Test 441-14 Run Schedule	26
3.2	Pressure Orifice Leaks	25
3.3	NASA/ARC Test 441-14 Static Pressure Data	27
3.4	NASA/ARC Test 441-14 Force Data (Stability Axis)	748

1 INTRODUCTION

Model 603E, shown in Figure 1, is used to research subsonic and transonic configuraton aerodynamics. The model is a trainer-type configuration with a two-man cockpit and side mounted flow-through nacelles. The model's baseline wing can be tested with the leading- and/or trailing-edge flaps deflected. The horizontal stabilizer can be located in a low-, mid-, or T-tail arrangement and used as an all-flying tail or with a deflected elevator.

The present study was undertaken to provide wind tunnel force and pressure data on the model configured with one of two wings designed for transonic flight and with the horizontal tail in one of three vertical positions. The data can then be used to evaluate the performance of the two research wings and for determining the influence of horizontal tail location on tail aerodynamics when it is positioned in the downwash field of a wing-body combination.

Volume I of this report presents an analysis and summary of the data obtained during the subject test. This volume contains a description of the model tested and a tabulation of the data obtained.

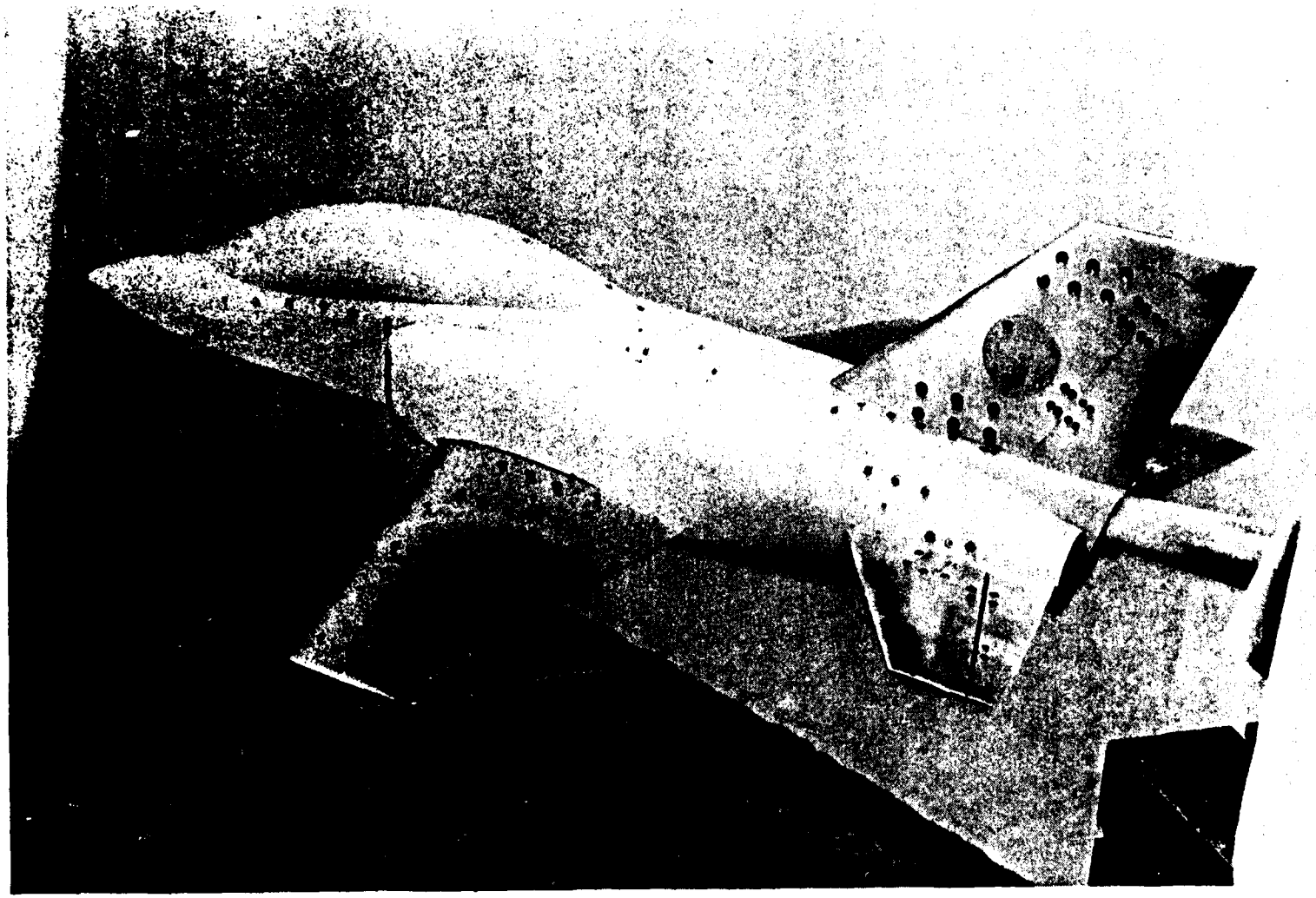


Figure 1. Three-quarter rear view of model 603E.

2 TEST AND MODEL DESCRIPTION

Model 603E is shown in Figures 1, 2, and 3, and is shown installed in the NASA/ARC 14-Foot Transonic Wind Tunnel in Figure 4.

2.1 MODEL DESCRIPTION

Model 603E is a trainer-type configuration that is used as an aerodynamic research model. The steel, aluminum, and fiberglass model can be equipped with an all flying low-, mid-, or T-tail at deflections of -10, 0, or +10 deg. Figure 5 shows the tail installed in the three positions.

A baseline (steel) wing and an alternate (aluminum) wing are interchangeable on the model. The baseline wing, designated W9, incorporates a NASA supercritical airfoil along linear element lines. The alternate wing, W10, is of identical planform but with chordwise airfoil sections optimized for transonic cruise. Wing W10 airfoil sections were obtained by using an optimization routine to perturb from the wing W9 sections in order to satisfy specified design criteria. Chordwise pressure distributions utilized in the numerical optimization were computed with the Bailey-Ballhaus transonic, small-disturbance code.

Wings W9 and W10 are attached to a wing plate embedded in the underside of the model Fuselage. The plate extends from F.S. = 84.666 cm to 103.26 cm and outboard to S.S. = 26.751 cm, and conforms to the lower surface of wing W9. For testing of W10, this region was filled with compound to fit the W10 geometry.

The wing and vertical tail planform geometries are shown in Figure 6; the horizontal tail in Figure 7. The configurations primary dimensions are listed in Table 2.1. Fuselage cross-sections are shown in Figure 8.

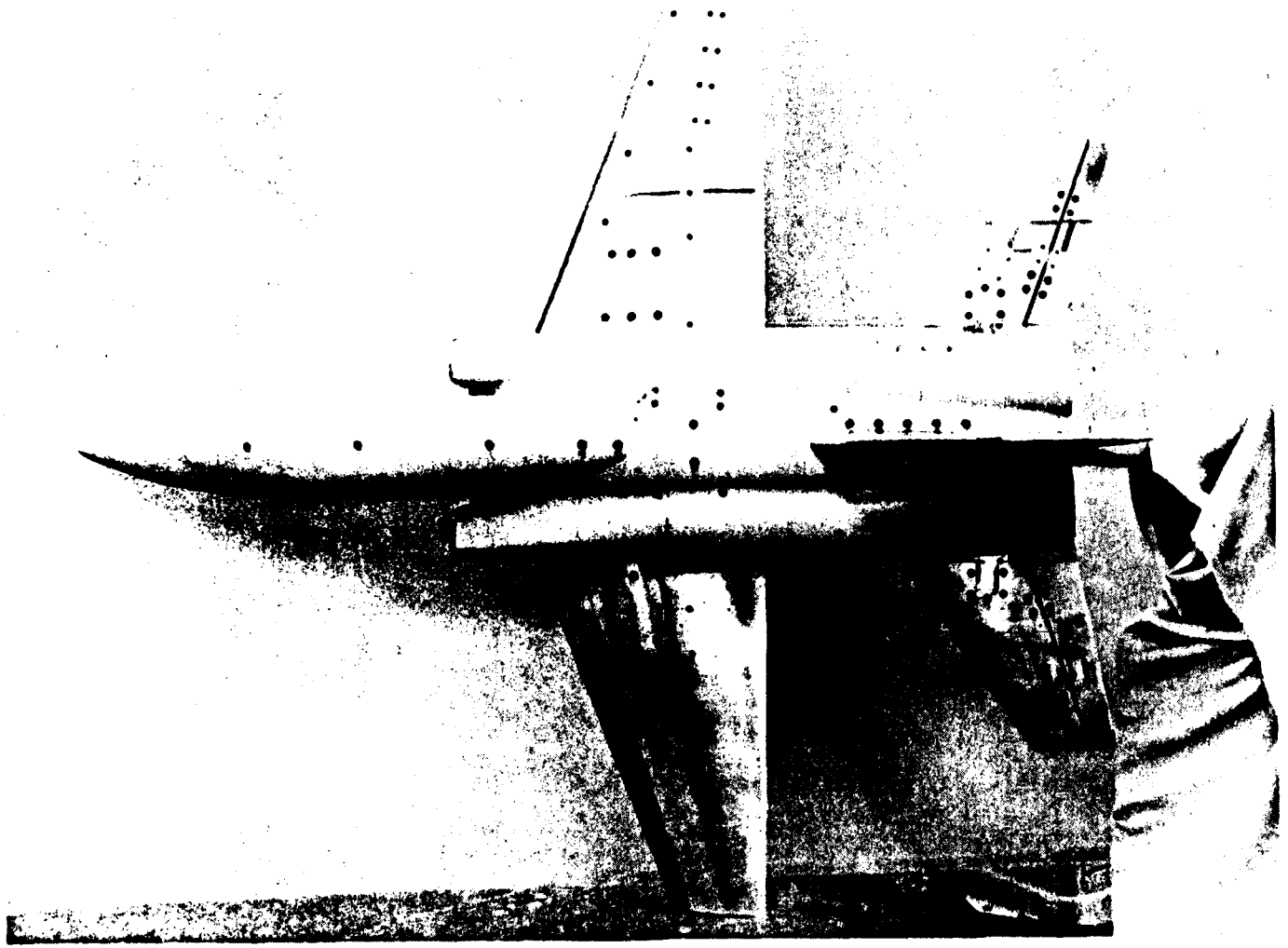


Figure 2. Top view of model 603E.

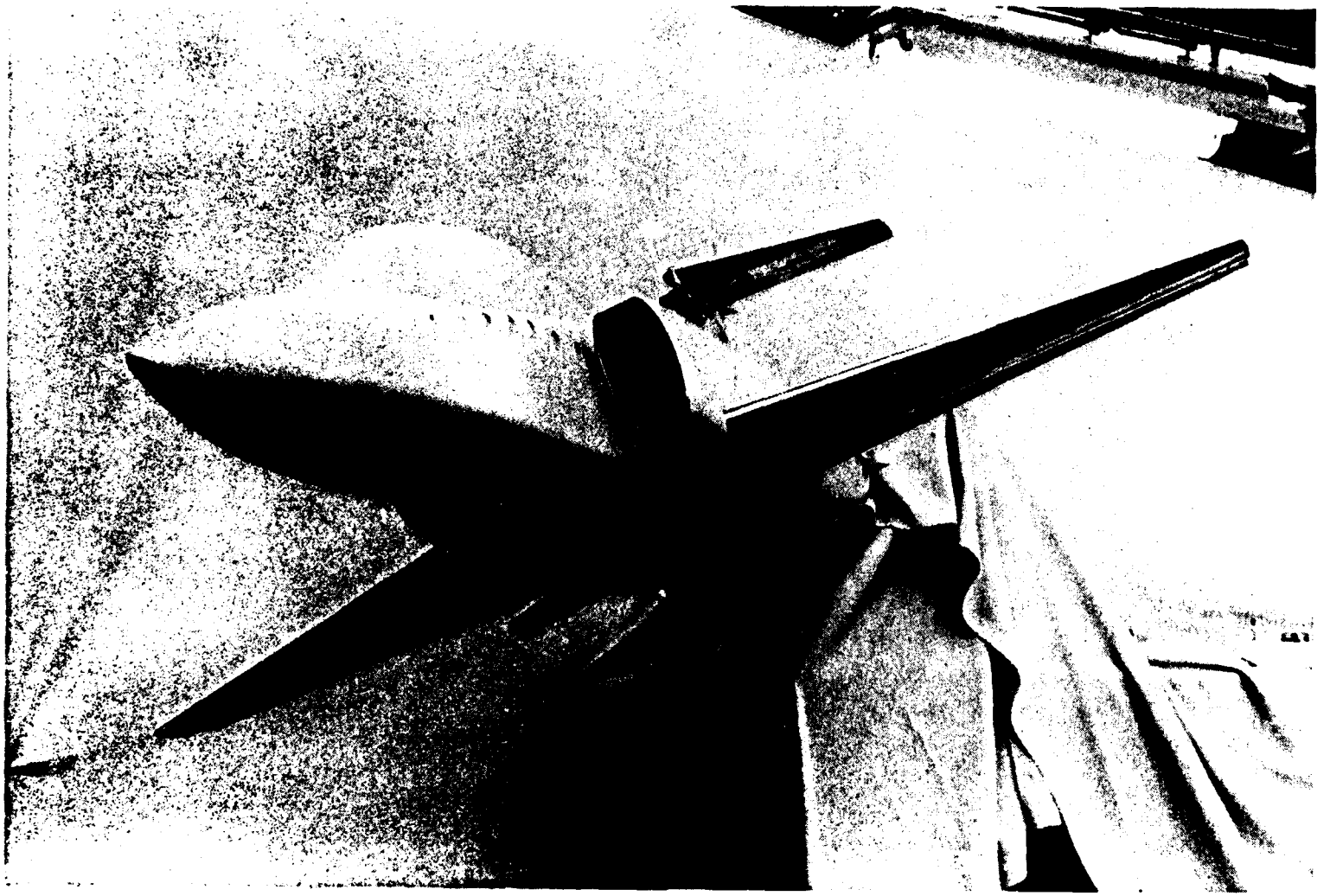


Figure 3. Three-quarter front view of model 603E.

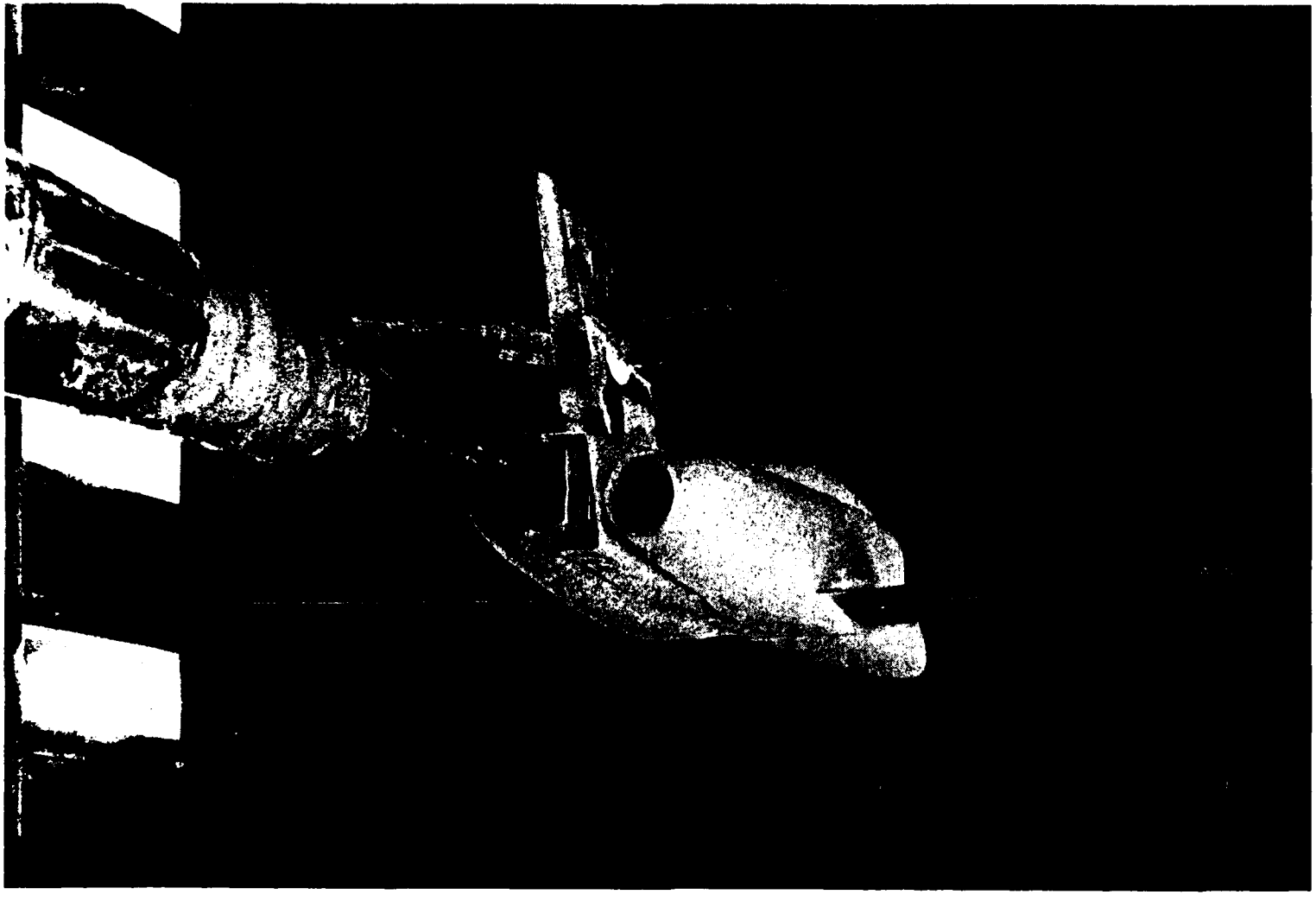


Figure 4. Model 603E installed in the NASA/ARC 14-Foot Wind Tunnel.

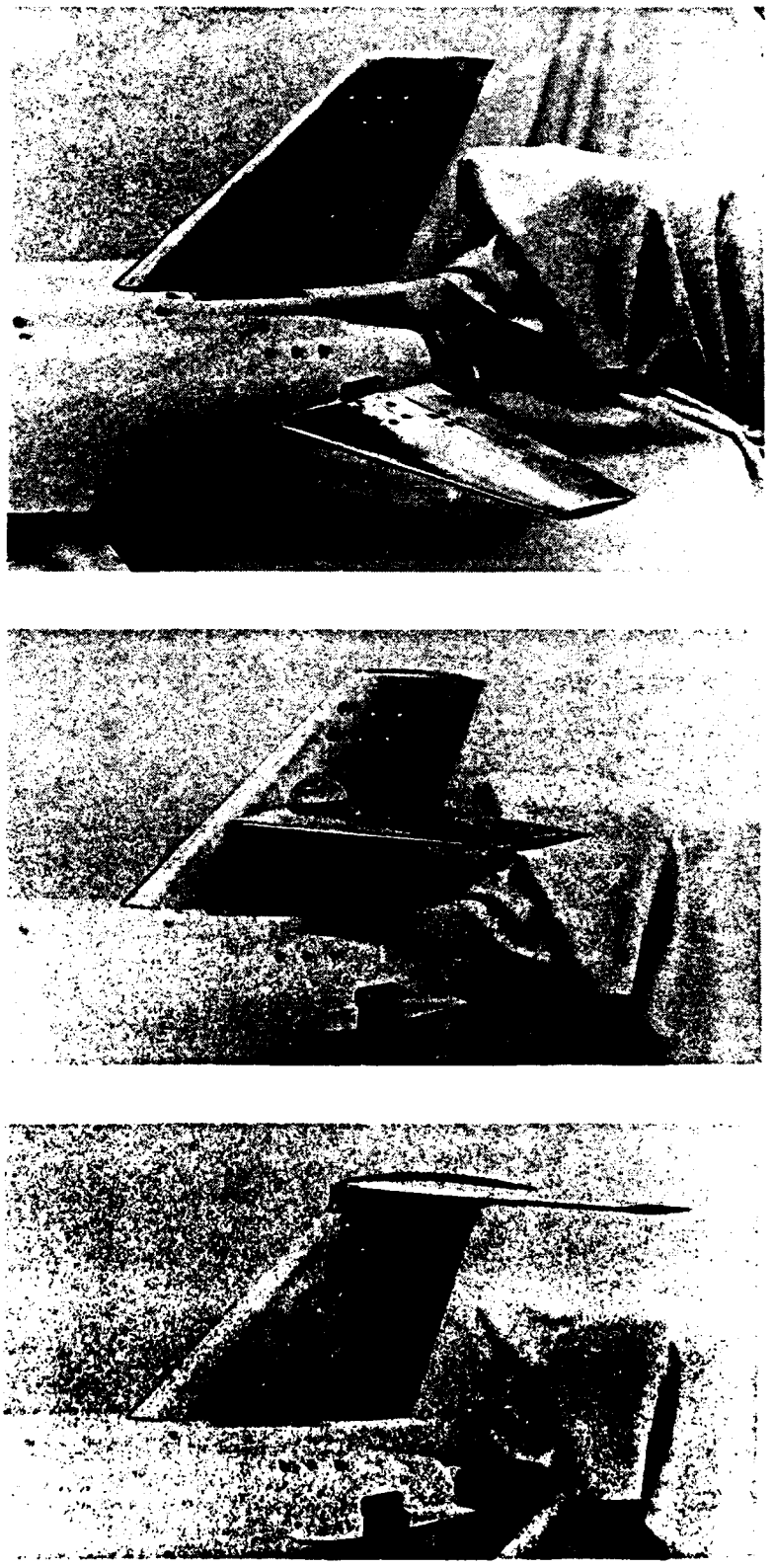


Figure 5. Low-, mid-, and T-Tail positions.

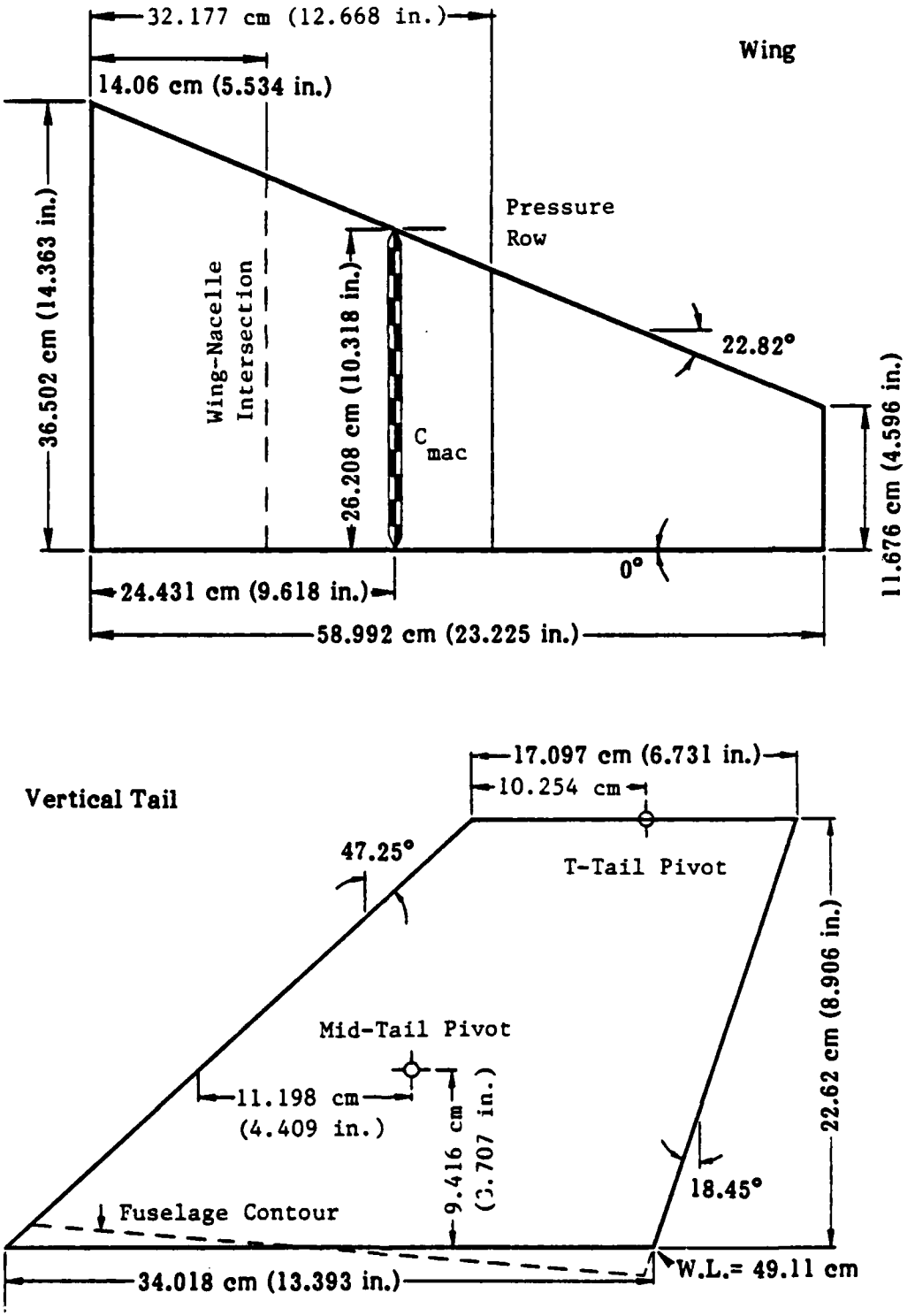
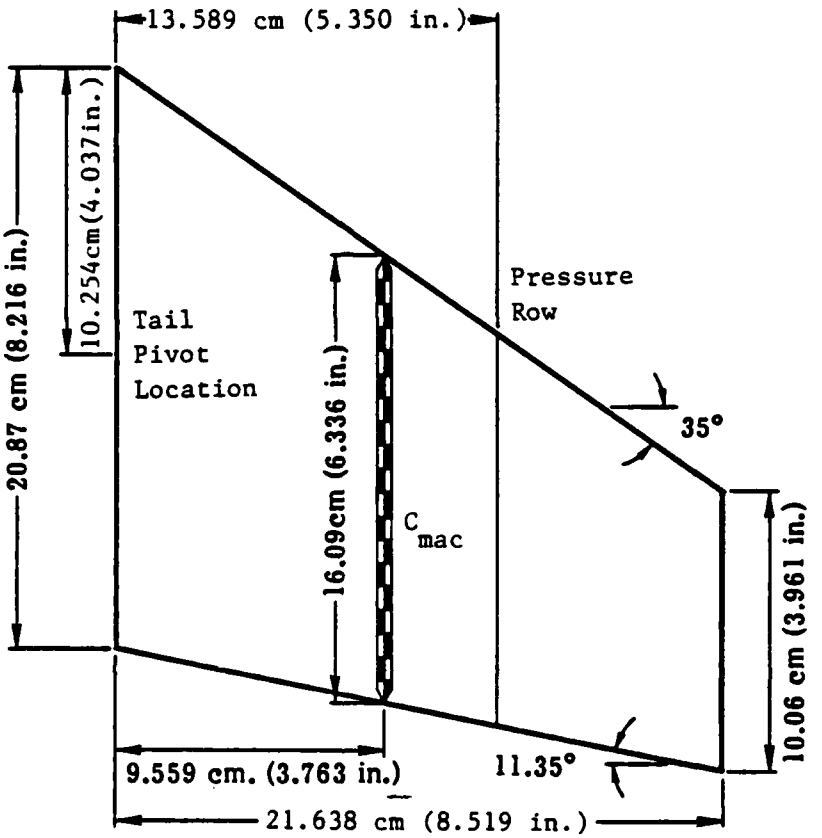


Figure 6 Wing and vertical tail planform geometries.



Horizontal	Apex Location		
	F.S.	S.S	W.L.
H_7 (T)	141.24 cm (55.606 in.)	1.354 cm (.533 in.)	71.727 cm (28.239 in.)
H_{7a} (Mid)	128.99 cm (50.782 in.)	1.349 cm (.531 in.)	58.522 cm (23.040 in.)
H_{7b} (Low)	128.99 cm (50.782 in.)	14.046 cm (5.530 in.)	41.554 cm (16.360 in.)

Figure 7 Horizontal tail geometry and locations.

TABLE 2.1 GENERAL GEOMETRIC CHARACTERISTICS

Reference Wing Planform Geometry (W_9)

Wing area	0.2842 m^2 (440.53 $in.^2$)
Wing apex location	
Fuselage station	74.922 cm (29.497 in.)
Span station	0.0 cm (0.0 in.)
Waterline	36.848 cm (14.507 in.)
Aspect ratio	4.900
Wing half span	58.992 cm (23.225 in.)
Leading-edge sweep	22.82°
Trailing-edge sweep	0°
Taper ratio	0.3200
Root chord (• ℄)	36.502 cm (14.363 in.)
Tip chord	11.676 cm (4.596 in.)
Mean aerodynamic chord	26.208 cm (10.318 in.)
Leading-edge location (fuselage station)	85.202 cm (33.544 in.)
Lateral location (span station)	24.431 cm (9.618 in.)
Moment reference (0.30 C_{MAC})	
Fuselage station	93.053 cm (36.635 in.)
Span station	0.00 cm (0.00 in.)
Waterline	40.64 cm (16.000 in.)
Airfoil section	
Root	SC(2)-0414
Tip	SC(2)-0410
Twist (trailing-edge up, 0° • ℄)	-3°
Dihedral (tip up)	1°
Incidence (trailing-edge down)	2°

Vertical Tail (V_3)
(exposed)

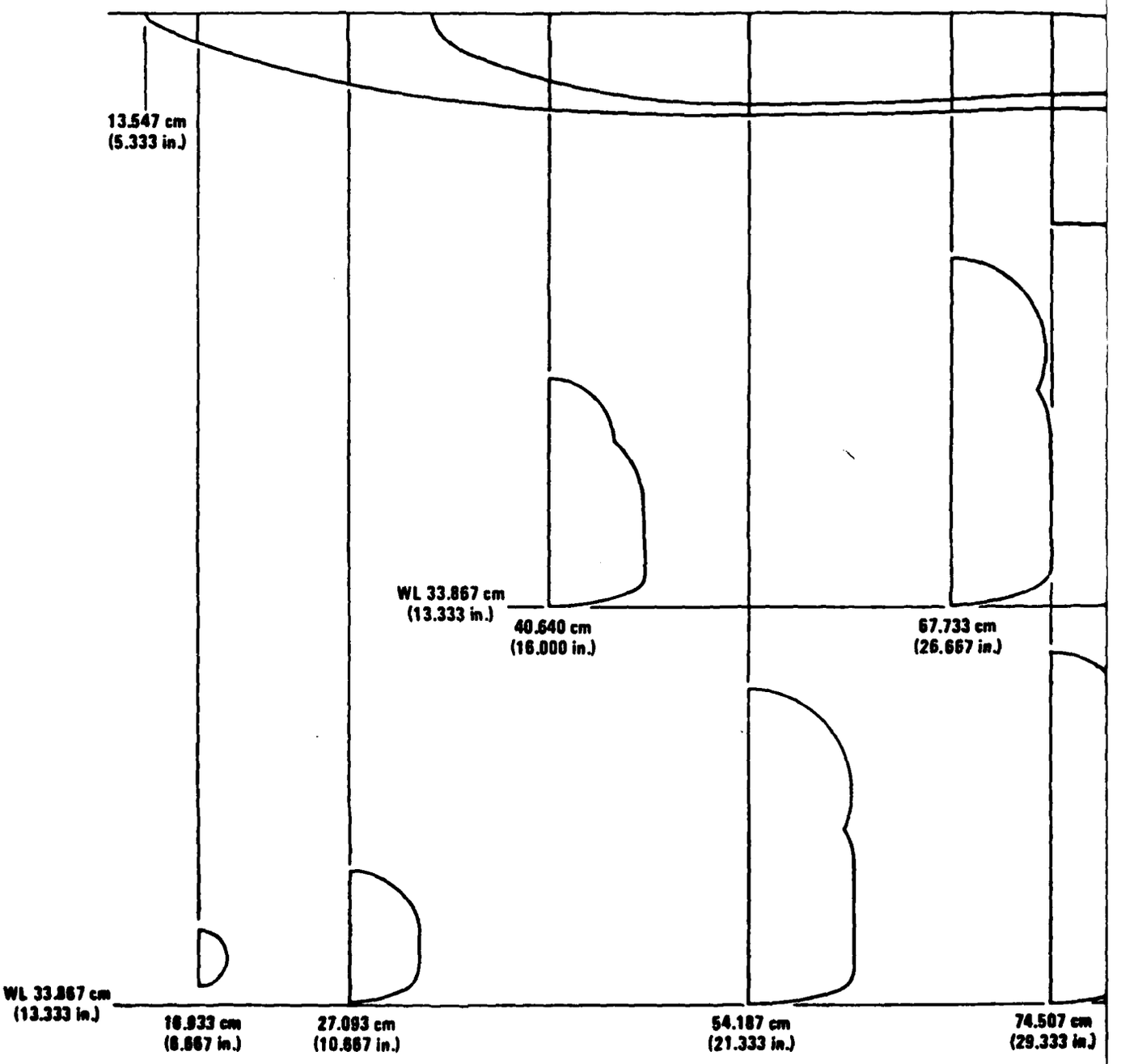
Area	578.1 cm^2 (89.61 $in.^2$)
Apex location	
Fuselage station	117.9 cm (46.4 in.)
Span station	0.0 cm (0.0 in.)
Waterline	49.11 cm (19.333 in.)
Aspect ratio	1.770
Half Span	22.62 cm (8.906 in.)
Leading-edge sweep	47.25°
Trailing-edge sweep	18.45°
Taper ratio	0.5026
Root chord (W.L.= 49.11 cm)	34.018 cm (13.393 in.)
Tip chord	17.097 cm (6.731 in.)
Mean aerodynamic chord	26.491 cm (10.430 in.)
Leading-edge location (fuselage station)	128.74 cm (50.686 in.)
Waterline location	59.168 cm (23.295 in.)
Airfoil section	Upper surface of airfoil SC(2)-0410 (symmetric)

TABLE 2.1 GENERAL GEOMETRIC CHARACTERISTICS

(Continued)

Horizontal Tail Actuator Fairing (X_7) (for use with H_7)	
Forward extent (fuselage station)	140.29 cm (55.233 in.)
Rearward extent (fuselage station)	166.62 cm (65.6 in.)
Waterline location	71.727 cm (28.239 in.)
Horizontal Tail (H_7, H_{7a}, H_{7b},)	
Area	669.3 cm^2 (103.74 $in.^2$)
Aspect ratio	2.798
Half span	21.638 cm (8.519 in.)
Leading-edge sweep	35°
Trailing-edge sweep	11.35°
Taper ratio	0.4821
Root chord	20.87 cm (8.216 in.)
Tip chord	10.06 cm (3.961 in.)
Mean aerodynamic chord	16.09cm (6.336 in.)
Leading-edge location (from apex)	6.693 cm (2.635 in.)
Lateral location (from apex)	9.559 cm. (3.763 in.)
Airfoil section	64A010
Body (B_{3M})	
Length (nose to nacelle aft end)	136.00 cm (53.544 in.)
Nose location (fuselage station)	13.546 cm (5.333 in.)
Nacelle (N_6)	
Average lateral wing-body intersection (span station)	14.06 cm (5.534 in.)
Forward extent (fuselage station) nacelle face canted forward 5° about W.L. = 42.164 cm (16.600 in.)	73.558 cm (28.960 in.)
Rearward extent (fuselage station) nacelle exit is canted in 2° and down 2° about WL = 41.554 cm (16.360 in.)	149.55 cm (58.877 in.)
Inlet throat area (FS = 76.2 cm)	50.46 cm^2 (7.822 in^2)
Exit throat area (FS = 149.55 cm)	42.32 cm^2 (6.56 $in.^2$)

1 Inch


13.547 cm
(5.333 in.)
WL 33.867 cm
(13.333 in.)
40.640 cm
(16.000 in.)
67.733 cm
(26.667 in.)
WL 33.867 cm
(13.333 in.)
16.933 cm
(6.667 in.)
27.093 cm
(10.667 in.)
54.187 cm
(21.333 in.)
74.507 cm
(29.333 in.)

= 4 Model Inches

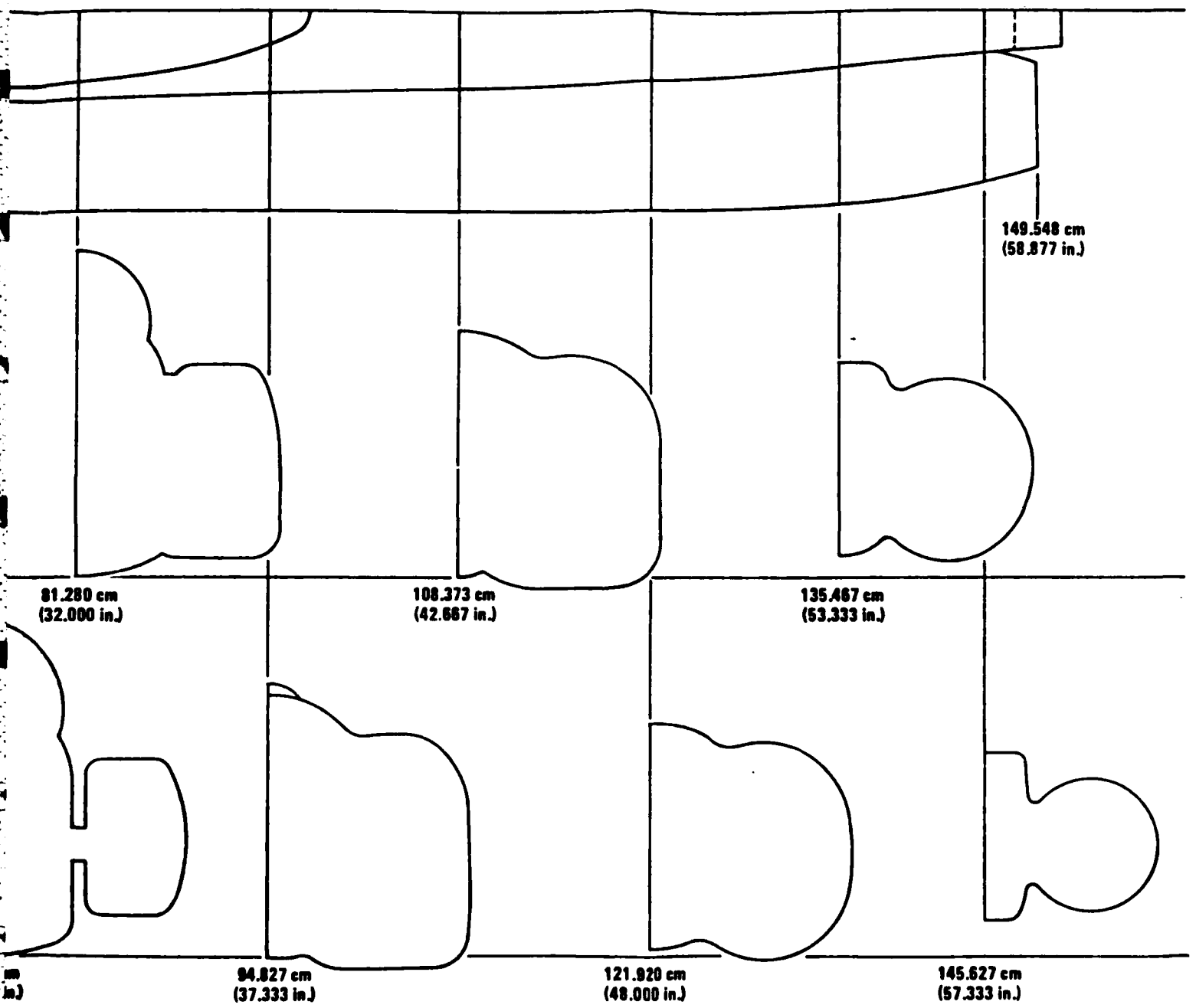


Figure 8. Fuselage cross-sections.

2

2.2 INSTRUMENTATION

Force and moments on the model were recorded with NASA/ARC's MK 20-A six component internal strain-gage balance. The load capacities of the 2.5 inch diameter balance are listed in Table 2.2.

TABLE 2.2 BALANCE MK 20-A MAXIMUM LOADS

Normal Force	±3,000 lbf per gage
Side Force	±1,500 lbf per gage
Rolling Moment	±4,000 in-lbf
Axial Force	± 600 lbf

Model 603E is instrumented with 55 surface static pressures located in the wing and horizontal tail. The spanwise location of the pressure rows can be seen in Figures 6 and 7. Tables 2.3 and 2.4 list the location of the pressure taps in percent of chord.

Both the baseline and the alternate wing pressures are located at a non-dimensionalized span station of η =0.545. There are 17 upper surface pressures (on the port side) and 8 lower surface pressures (starboard).

The horizontal tail pressures are located at an exposed span station of η =0.628. There are 15 upper surface (port) pressures and 15 lower surface (starboard) pressures. The mid- and T-tail pressure lines are routed through the vertical tail and then through the nacelle/aft fuselage.

Two balance cavity pressures were located immediately aft of the balance-sting joint and one model base pressure orifice was installed 1.3 cm inside the model base. These pressures were measured by three ±86.2 kpa differential pressure transducers. The wing and tail pressures were read by 24-port type scani-modules, each containing three ±86.2 kpa differential transducers. The scani-modules were housed in the fuselage under the canopy section.

TABLE 2.3 WING ORIFICE LOCATIONS

(span station = 32.177 cm (12.668 in.))

UPPER SURFACE		LOWER SURFACE	
Orifice Number	Percent Chord Location	Orifice Number	Percent Chord Location
W-1	2	W-18	5
W-2	6	W-19	10
W-3	11	W-20	20
W-4	17	W-21	35
W-5	23	W-22	50
W-6	29	W-23	65
W-7	35	W-24	80
W-8	41	W-25	95
W-9	47		
W-10	53		
W-11	57		
W-12	65		
W-13	71		
W-14	77		
W-15	83		
W-16	89		
W-17	95		

TABLE 2.4 HORIZONTAL TAIL ORIFICE LOCATIONS

(span station (from apex) - 13.589 cm (5.35 in.))

UPPER SURFACE		LOWER SURFACE	
Orifice Number	Percent Chord Location	Orifice Number	Percent Chord Location
H-1	2	H-16	2
H-2	6	H-17	6
H-3	11	H-18	11
H-4	18	H-19	18
H-5	25	H-20	25
H-6	32	H-21	32
H-7	39	H-22	39
H-8	46	H-23	46
H-9	53	H-24	53
H-10	60	H-25	60
H-11	67	H-26	67
H-12	74	H-27	74
H-13	81	H-28	81
H-14	88	H-29	88
H-15	95	H-30	95

2.3 TEST PROCEDURES

The subject investigations were carried out in the NASA/ARC 14-Foot Transonic Wind Tunnel during the period 21 June 1982 through 2 July 1982. The test was designated ARC 441-14 and consisted of 92 runs, requiring 192.5 hours of occupancy time.

The model was supported from the aft end by a sting assembly that was supported by the tunnel vertical strut system downstream of the test section. The tests were conducted at Mach numbers varying from 0.60 to 0.90 which resulted in Reynolds numbers that ranged from approximately 11. to 13. x 10^6 per meter respectively (3.3 to 3.9 x 10^6 per foot). The configuration angle of attack (referenced to the body waterline) was varied from -6 to +28 deg and the horizontal tail was tested at -10, 0, and +10 deg. The wing is at an incidence of +2 deg to the body.

Yaw and inverted runs were not performed. Flow angularity data was available from previous tunnel calibrations and was incorporated into the tunnel data reduction procedures. Table 2.5 lists the calibrated flow angularity versus Mach number. Nacelle internal-drag measurements were not made.

TABLE 2.5 NASA/ARC 14-FOOT TUNNEL FLOW ANGULARITY

Mach Number	Flow Angularity (Degrees)
0.60	-0.006
0.70	+0.091
0.75	+0.035
0.78	+0.002
0.80	-0.020
0.82	+0.003
0.85	+0.038
0.90	+0.099

Boundary layer transition was forced on the model with transition strips of carborundum grit. The location of the strips and the grit sizes employed appear in Figure 9.

CARBORUNDUM GRIT PARTICLES

Component	Grit Size	Mean Grit Diameter (cm)
Nose	#100	0.0122
Nacelle	#120	0.0102
Wing	#150	0.0089
Horizontal Tail	#150	0.0089
Vertical Tail	#150	0.0089

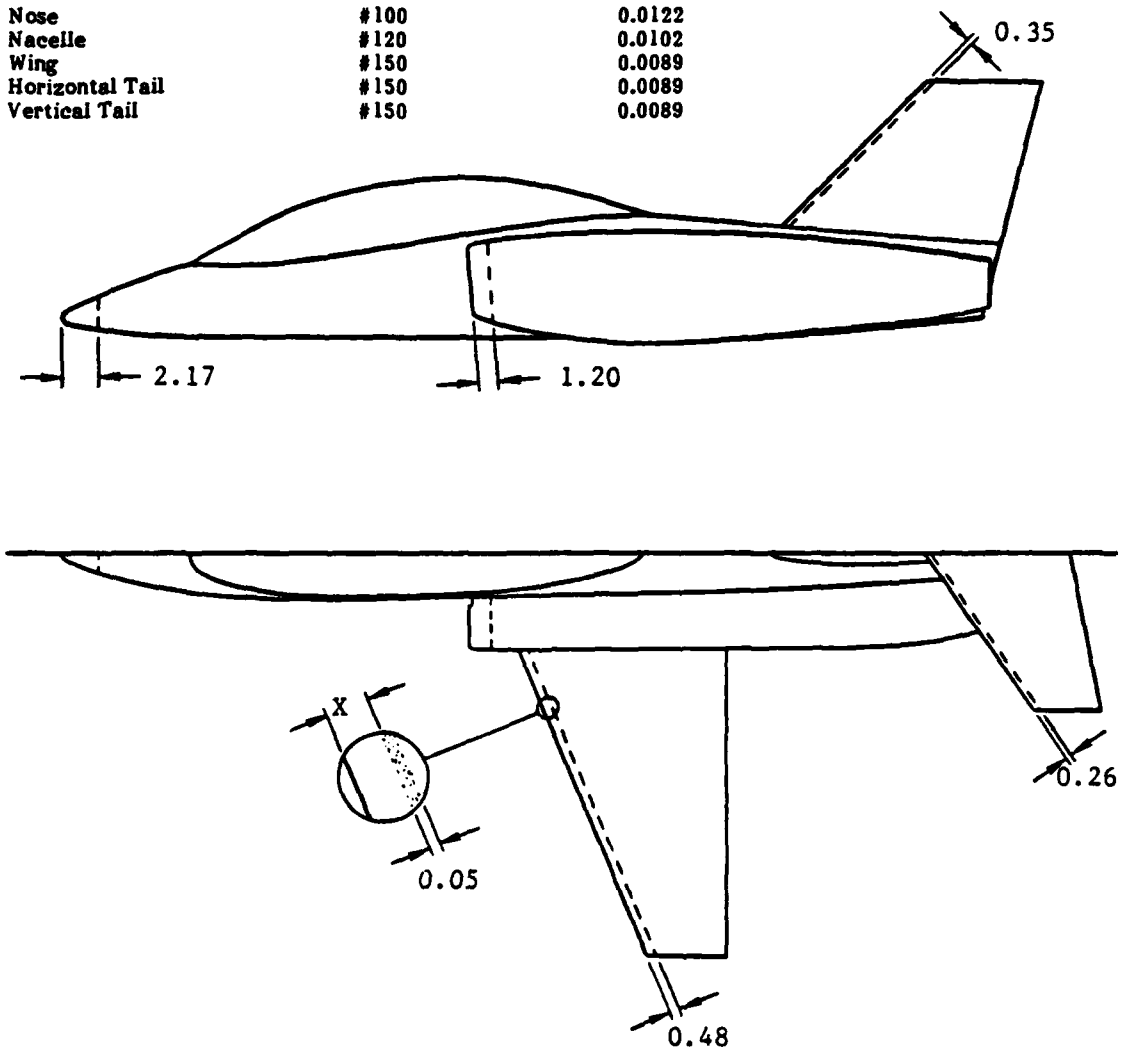


Figure 9. Boundary layer trip locations.

3 PRESENTATION OF RESULTS

The model geometry, test Mach numbers, and pitch schedules run during test ARC 441-14 are listed in the test run schedule presented in Table 3.1. Force, pressure and oil flow visualization data were obtained.

The complete set of longitudinal aerodynamic data in the stability axis system and static pressure data are presented in a tabulated format in the following tables:

Tabulated Data	Table	Pages
Wing and Horizontal Tail Pressure Data	Table 3.3	27-746
Force Data (Stability-Axis)	Table 3.4	748-845

These data are intended for reference purposes and are presented without analysis. Oil flow visualization photographs and data analysis is presented in Volume I of this report.

Pressure leaks that developed during the test are listed in Table 3.2 along with the severity of the leak. Leaks designated as "very slow" amount to a scani-valve pressure drop of approximately one count in 300, per minute. Pressure coefficient data for taps with very slow or slow leaks is considered acceptable. The accuracy of wing W9 orifices W8 and W20 is questionable.

TABLE 3.2 PRESSURE ORIFICE LEAKS

Model Component	Orifice	Leak Type	Run Series
Wing W9	W20	Wide Open	1-26
Wing W9	W8	Questionable	1-26
Wing W10	W3, W11	Very Slow Leak	27-43
Wing W10	W10	Slow Leak	27-43
Horiz. H_{7b}	H8	Very Slow Leak	1-9
Horiz. H_{7a}	H30	Slow Leak	18-20

Table 3.1 NASA/ARC Test 441-14 Run Schedule

CONFIGURATION COMPONENTS	NO.	α SCH	β deg	ϕ deg	δ_H deg	MACH / RUN NUMBER 0.60	0.70	0.75	0.78	0.80	0.82	0.85	0.90	REMARKS
B N V R W H 3m 6 3 2 9 7b	1	A	0	0	0	1			2			3		PRESSURE PHASE
	1	B			-10	4			5			6		
	1	C			+10	7			8			9		
B N V R W 3m 6 3 2 9	2	D			OFF	10	11	12	13	14	15	16	17	
B N V R W H 3m 6 3 2 9 7a	3	A			0	18			19			20		
	3	A			-10	21			22			23		
B N V R W H 3m 6 3 2 9 7	4	E			0	24			25			26		
B N V R W H 3m 6 3 2 10 7	5	E			0	27			28			29		
B N V R W 3m 6 3 2 10	6	D			OFF	30	31	37	32	33	34	35	36	
B N V R W H 3m 6 3 2 10 7b	7	A			0	38			39			40		
	7	A			-10	41			42			43		
	7	A			-10	44			45			46		FORCE PHASE
	7	A			0	47			48			49		
B N V R W H 3m 6 3 2 10 7	5	E			0	50			51			52		
B N V R W 3m 6 3 2 10	6	D			OFF	53	54	55	56	57	58	59	60	
	6	F			OFF				61					**
	6	C			OFF				62					**
B N V R W 3m 6 3 2 9	2	D			OFF	63	64	65	66	67	68	69	70	
	2	H			OFF				71					**
B N V R W H 3m 6 3 2 9 7b	1	A			0	72			73			74		
	1	A			-10	75			76			77		
	1	C			+10	78			79			80		
B N V R W H 3m 6 3 2 9 7	4	E			0	81			82			83		
	4	A			-10	84			85			86		
B N V R W H 3m 6 3 2 9 7a	3	A			0	87			88			89		
	3	A			-10	90			91			92		

** = Oil Flow

α SCHEDULES (degrees)

A -6 to +20 ($\Delta\alpha$ = 2)
B -6 to +26 ($\Delta\alpha$ = 2)
C -6 to +10 ($\Delta\alpha$ = 2)
D -6 to +8 ($\Delta\alpha$ = 1), +10 to +18 ($\Delta\alpha$ = 2)
E -6 to +16 ($\Delta\alpha$ = 2), +17
F +2, +3, +4
G +2, +3, +6
H +2, +3, +6

TABLE 3.3

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
1	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.6003	-6.44	0.00	19.99 417.6	101.12 2111.9	79.26 1655.3	11.20 3.41	303.23 86.15

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.52137	0.05	-1.89567
0.06	0.12243	0.10	-1.03756
0.11	0.03154	0.20	-0.86919
0.17	-0.04440	0.35	-0.69243
0.23	-0.08502	0.50	-0.56173
0.29	-0.12681	0.65	-0.18546
0.35	-0.16118	0.80	0.04806
0.41	-0.18646	0.95	0.16078
0.47	-0.21522		
0.53	-0.22309		
0.57	-0.21449		
0.65	-0.23464		
0.71	-0.21071		
0.77	-0.17578		
0.83	-0.13652		
0.89	-0.07652		
0.95	-0.00521		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.46851	0.02	-1.30893
0.06	0.26018	0.06	-0.62160
0.11	0.13065	0.11	-0.59598
0.18	0.02374	0.18	-0.53696
0.25	-0.04297	0.25	-0.49212
0.32	-0.10872	0.32	-0.45834
0.39	-0.14546	0.39	-0.40178
0.46	-0.14475	0.46	-0.34396
0.53	-0.13351	0.53	-0.27951
0.60	-0.09392	0.60	-0.19799
0.67	-0.06566	0.67	-0.11939
0.74	-0.02065	0.74	-0.04610
0.81	0.03149	0.81	0.01970
0.88	0.06619	0.88	0.06888
0.95	0.11581	0.95	0.13671

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
1	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
22	0.6014	-4.20	0.00	20.05 418.7	101.12 2111.9	79.19 1653.9	11.17 3.40	304.15 87.80

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.23238	0.05	-1.00607
0.06	-0.12459	0.10	-0.79649
0.11	-0.11997	0.20	-0.68945
0.17	-0.18780	0.35	-0.60023
0.23	-0.21042	0.50	-0.51669
0.29	-0.24112	0.65	-0.17649
0.35	-0.26593	0.80	0.12185
0.41	-0.26997	0.95	0.22432
0.47	-0.27750		
0.53	-0.30399		
0.57	-0.27795		
0.65	-0.28150		
0.71	-0.25725		
0.77	-0.21175		
0.83	-0.15902		
0.89	-0.09498		
0.95	-0.00750		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.39532	0.02	-0.94574
0.06	0.20134	0.06	-0.50217
0.11	0.07549	0.11	-0.51079
0.18	-0.03655	0.18	-0.48463
0.25	-0.09831	0.25	-0.44062
0.32	-0.15735	0.32	-0.40799
0.39	-0.18880	0.39	-0.37278
0.46	-0.17782	0.46	-0.31421
0.53	-0.16369	0.53	-0.25647
0.60	-0.11701	0.60	-0.18780
0.67	-0.07004	0.67	-0.10397
0.74	-0.01784	0.74	-0.03820
0.81	0.02644	0.81	0.00930
0.88	0.07107	0.88	0.06838
0.95	0.12588	0.95	0.13730

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
1	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
23	0.6008	-2.00	-0.01	20.02 418.1	101.12 2111.9	79.22 1654.6	11.13 3.39	304.82 89.01

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.11782	0.05	-0.55783
0.06	-0.47198	0.10	-0.52382
0.11	-0.38119	0.20	-0.51593
0.17	-0.38347	0.35	-0.49172
0.23	-0.37643	0.50	-0.44696
0.29	-0.37819	0.65	-0.15637
0.35	-0.37946	0.80	0.15549
0.41	-0.37776	0.95	0.25909
0.47	-0.37351		
0.53	-0.37846		
0.57	-0.34713		
0.65	-0.33645		
0.71	-0.28723		
0.77	-0.23560		
0.83	-0.18318		
0.89	-0.11280		
0.95	-0.02120		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.30247	0.02	-0.67085
0.06	0.13326	0.06	-0.45866
0.11	0.02776	0.11	-0.40724
0.18	-0.08874	0.18	-0.41087
0.25	-0.14272	0.25	-0.39175
0.32	-0.20455	0.32	-0.37618
0.39	-0.22107	0.39	-0.34738
0.46	-0.21030	0.46	-0.29953
0.53	-0.18652	0.53	-0.24930
0.60	-0.13486	0.60	-0.18565
0.67	-0.08778	0.67	-0.10709
0.74	-0.03058	0.74	-0.04027
0.81	0.02205	0.81	0.02004
0.88	0.06706	0.88	0.06908
0.95	0.12792	0.95	0.13532

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
1	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
24	0.6019	0.22	-0.01	20.08 419.3	101.12 2111.9	79.16 1653.2	11.13 3.39	305.14 89.59

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.70202	0.05	-0.19414
0.06	-0.86388	0.10	-0.26662
0.11	-0.64937	0.20	-0.31625
0.17	-0.56310	0.35	-0.36585
0.23	-0.52721	0.50	-0.37522
0.29	-0.51893	0.65	-0.12884
0.35	-0.50947	0.80	0.18348
0.41	-0.47281	0.95	0.28013
0.47	-0.46036		
0.53	-0.44418		
0.57	-0.40315		
0.65	-0.38149		
0.71	-0.33158		
0.77	-0.26782		
0.83	-0.20046		
0.89	-0.12238		
0.95	-0.02469		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.19969	0.02	-0.43085
0.06	0.05515	0.06	-0.34146
0.11	-0.03740	0.11	-0.33723
0.18	-0.13970	0.18	-0.36822
0.25	-0.17826	0.25	-0.36202
0.32	-0.23074	0.32	-0.35121
0.39	-0.24597	0.39	-0.32225
0.46	-0.22072	0.46	-0.27744
0.53	-0.19347	0.53	-0.23008
0.60	-0.14237	0.60	-0.16968
0.67	-0.09335	0.67	-0.09435
0.74	-0.03374	0.74	-0.03107
0.81	0.02003	0.81	0.02908
0.88	0.06787	0.88	0.07389
0.95	0.13122	0.95	0.13658

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
1	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
25	0.6008	2.49	-0.01	20.02 418.1	101.12 2111.9	79.22 1654.6	11.08 3.38	305.98 91.10

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.45006	0.05	0.11520
0.06	-1.31207	0.10	-0.08997
0.11	-0.92090	0.20	-0.18271
0.17	-0.79163	0.35	-0.26979
0.23	-0.69618	0.50	-0.31581
0.29	-0.64425	0.65	-0.10864
0.35	-0.60666	0.80	0.20218
0.41	-0.55505	0.95	0.28883
0.47	-0.53238		
0.53	-0.50413		
0.57	-0.46029		
0.65	-0.42252		
0.71	-0.35870		
0.77	-0.28547		
0.83	-0.21419		
0.89	-0.13420		
0.95	-0.02990		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.04540	0.02	-0.28163
0.06	-0.03824	0.06	-0.24943
0.11	-0.11572	0.11	-0.27783
0.18	-0.20457	0.18	-0.30006
0.25	-0.24443	0.25	-0.30815
0.32	-0.28721	0.32	-0.31199
0.39	-0.28230	0.39	-0.29738
0.46	-0.26011	0.46	-0.26111
0.53	-0.22759	0.53	-0.22022
0.60	-0.15832	0.60	-0.15900
0.67	-0.10497	0.67	-0.08762
0.74	-0.04137	0.74	-0.02965
0.81	0.01101	0.81	0.02619
0.88	0.06453	0.88	0.06891
0.95	0.13037	0.95	0.13104

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
1	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
26	0.6008	4.70	0.00	20.02 418.1	101.12 2111.9	79.22 1654.6	10.98 3.35	308.08 94.87

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-2.18221	0.05	0.32268
0.06	-2.09974	0.10	0.12961
0.11	-1.13878	0.20	-0.02647
0.17	-0.96626	0.35	-0.15802
0.23	-0.85053	0.50	-0.22867
0.29	-0.76903	0.65	-0.07201
0.35	-0.71371	0.80	0.22863
0.41	-0.65075	0.95	0.29667
0.47	-0.60519		
0.53	-0.56506		
0.57	-0.51279		
0.65	-0.45202		
0.71	-0.36964		
0.77	-0.28708		
0.83	-0.20774		
0.89	-0.11910		
0.95	-0.02946		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.06298	0.02	-0.12444
0.06	-0.12320	0.06	-0.16509
0.11	-0.19073	0.11	-0.21142
0.18	-0.25940	0.18	-0.25405
0.25	-0.29074	0.25	-0.26847
0.32	-0.33388	0.32	-0.27916
0.39	-0.31752	0.39	-0.27443
0.46	-0.28609	0.46	-0.24620
0.53	-0.24445	0.53	-0.21041
0.60	-0.17455	0.60	-0.15150
0.67	-0.11722	0.67	-0.08730
0.74	-0.04924	0.74	-0.02821
0.81	0.00928	0.81	0.02374
0.88	0.06327	0.88	0.06495
0.95	0.13054	0.95	0.12819

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
1	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
27	0.5992	6.88	0.00	19.94 416.4	101.12 2111.9	79.33 1656.8	10.95 3.34	308.16 95.01

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-2.55922	0.05	0.46624
0.06	-2.43187	0.10	0.27499
0.11	-1.91168	0.20	0.08251
0.17	-1.44952	0.35	-0.07640
0.23	-1.10086	0.50	-0.17742
0.29	-0.87762	0.65	-0.06649
0.35	-0.77270	0.80	0.23117
0.41	-0.67982	0.95	0.29896
0.47	-0.61222		
0.53	-0.55895		
0.57	-0.50559		
0.65	-0.41830		
0.71	-0.35057		
0.77	-0.27283		
0.83	-0.20625		
0.89	-0.13681		
0.95	-0.08455		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.21768	0.02	0.01264
0.06	-0.21598	0.06	-0.07050
0.11	-0.25322	0.11	-0.14116
0.18	-0.31164	0.18	-0.20762
0.25	-0.33503	0.25	-0.23270
0.32	-0.36998	0.32	-0.24584
0.39	-0.35694	0.39	-0.24084
0.46	-0.31864	0.46	-0.22200
0.53	-0.27235	0.53	-0.19149
0.60	-0.19587	0.60	-0.14017
0.67	-0.13705	0.67	-0.07953
0.74	-0.06701	0.74	-0.02742
0.81	0.00420	0.81	0.02547
0.88	0.05584	0.88	0.05820
0.95	0.12647	0.95	0.11971

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
1	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
28	0.5991	8.91	-0.01	19.94 416.4	101.15 2112.6	79.36 1657.5	10.93 3.33	308.73 96.05

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.21728	0.05	0.54673
0.06	-1.35028	0.10	0.32536
0.11	-1.24906	0.20	0.12247
0.17	-1.16274	0.35	-0.05743
0.23	-1.15809	0.50	-0.18599
0.29	-1.03787	0.65	-0.10923
0.35	-0.90107	0.80	0.18411
0.41	-0.82635	0.95	0.18698
0.47	-0.71406		
0.53	-0.65746		
0.57	-0.62817		
0.65	-0.56335		
0.71	-0.48514		
0.77	-0.42332		
0.83	-0.42735		
0.89	-0.38241		
0.95	-0.33106		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.19870	0.02	-0.03775
0.06	-0.21681	0.06	-0.04661
0.11	-0.25626	0.11	-0.07347
0.18	-0.27600	0.18	-0.12040
0.25	-0.29542	0.25	-0.13055
0.32	-0.30538	0.32	-0.11390
0.39	-0.30879	0.39	-0.12408
0.46	-0.27544	0.46	-0.10990
0.53	-0.23253	0.53	-0.09285
0.60	-0.16792	0.60	-0.08594
0.67	-0.12122	0.67	-0.04728
0.74	-0.07447	0.74	-0.01165
0.81	-0.02738	0.81	0.01965
0.88	0.01254	0.88	0.04011
0.95	0.05629	0.95	0.07681

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
1	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
29	0.5969	10.88	-0.01	19.83 414.1	101.15 2112.6	79.50 1660.3	10.90 3.32	308.86 96.28

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.80731	0.05	0.56919
0.06	-0.78640	0.10	0.35682
0.11	-0.70107	0.20	0.14968
0.17	-0.70168	0.35	-0.05407
0.23	-0.64719	0.50	-0.19979
0.29	-0.65539	0.65	-0.16064
0.35	-0.69596	0.80	0.12688
0.41	-0.63849	0.95	0.11245
0.47	-0.63489		
0.53	-0.68385		
0.57	-0.65890		
0.65	-0.63758		
0.71	-0.61287		
0.77	-0.62510		
0.83	-0.58954		
0.89	-0.55703		
0.95	-0.50129		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.60547	0.02	0.18657
0.06	-0.45243	0.06	0.17231
0.11	-0.34297	0.11	0.12383
0.18	-0.28927	0.18	0.10331
0.25	-0.25902	0.25	0.06288
0.32	-0.23816	0.32	0.02678
0.39	-0.21358	0.39	0.02884
0.46	-0.18741	0.46	0.00580
0.53	-0.15418	0.53	-0.00433
0.60	-0.12948	0.60	-0.01007
0.67	-0.10308	0.67	0.01087
0.74	-0.06448	0.74	0.02205
0.81	-0.03058	0.81	0.03223
0.88	-0.00501	0.88	0.03552
0.95	0.01664	0.95	0.04640

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
1	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
30	0.6007	12.91	0.01	20.02 418.2	101.15 2112.6	79.26 1655.3	10.95 3.34	308.66 95.91

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.52084	0.05	0.59398
0.06	-0.51600	0.10	0.38948
0.11	-0.51715	0.20	0.17604
0.17	-0.51683	0.35	-0.03784
0.23	-0.53691	0.50	-0.20765
0.29	-0.54313	0.65	-0.19937
0.35	-0.56520	0.80	0.09675
0.41	-0.57242	0.95	0.07973
0.47	-0.57843		
0.53	-0.59788		
0.57	-0.58437		
0.65	-0.59675		
0.71	-0.60389		
0.77	-0.60594		
0.83	-0.61407		
0.89	-0.59388		
0.95	-0.56777		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.58387	0.02	0.48681
0.06	-0.43501	0.06	0.47418
0.11	-0.38491	0.11	0.38845
0.18	-0.33239	0.18	0.31364
0.25	-0.29097	0.25	0.22830
0.32	-0.25068	0.32	0.15442
0.39	-0.22533	0.39	0.09516
0.46	-0.19505	0.46	0.05277
0.53	-0.17074	0.53	0.02298
0.60	-0.15128	0.60	0.00757
0.67	-0.12104	0.67	0.01793
0.74	-0.11745	0.74	0.01996
0.81	-0.11893	0.81	0.02872
0.88	-0.09781	0.88	0.02061
0.95	-0.07581	0.95	0.00421

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
1	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
31	0.6002	15.03	-0.05	19.99 417.6	101.15 2112.6	79.29 1656.0	10.96 3.34	308.45 95.54

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.53491	0.05	0.68460
0.06	-0.52153	0.10	0.47101
0.11	-0.51982	0.20	0.25158
0.17	-0.53289	0.35	0.03555
0.23	-0.54287	0.50	-0.14413
0.29	-0.55665	0.65	-0.16204
0.35	-0.55269	0.80	0.10834
0.41	-0.57355	0.95	0.04710
0.47	-0.58309		
0.53	-0.59394		
0.57	-0.59556		
0.65	-0.61255		
0.71	-0.62346		
0.77	-0.63024		
0.83	-0.64067		
0.89	-0.62916		
0.95	-0.61824		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.45172	0.02	0.57564
0.06	-0.35346	0.06	0.57470
0.11	-0.34239	0.11	0.51375
0.18	-0.33163	0.18	0.35660
0.25	-0.30643	0.25	0.23340
0.32	-0.29586	0.32	0.15148
0.39	-0.28736	0.39	0.08322
0.46	-0.26475	0.46	0.03886
0.53	-0.24430	0.53	-0.00286
0.60	-0.22765	0.60	-0.02169
0.67	-0.20839	0.67	-0.01230
0.74	-0.20413	0.74	-0.01398
0.81	-0.18069	0.81	-0.01700
0.88	-0.16937	0.88	-0.04632
0.95	-0.15056	0.95	-0.08461

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
1	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
32	0.5985	17.12	-0.06	19.91 415.8	101.15 2112.6	79.40 1658.2	10.90 3.32	309.18 96.86

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.55167	0.05	0.73658
0.06	-0.53866	0.10	0.54007
0.11	-0.53838	0.20	0.32718
0.17	-0.54999	0.35	0.10189
0.23	-0.55035	0.50	-0.09425
0.29	-0.55278	0.65	-0.12548
0.35	-0.57080	0.80	0.11908
0.41	-0.57905	0.95	0.04841
0.47	-0.59564		
0.53	-0.60470		
0.57	-0.60408		
0.65	-0.62310		
0.71	-0.62114		
0.77	-0.62811		
0.83	-0.63080		
0.89	-0.62886		
0.95	-0.63211		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.32480	0.02	0.74268
0.06	-0.32373	0.06	0.64988
0.11	-0.29663	0.11	0.53906
0.18	-0.30970	0.18	0.39014
0.25	-0.30037	0.25	0.28676
0.32	-0.29161	0.32	0.19829
0.39	-0.28352	0.39	0.11864
0.46	-0.27901	0.46	0.06443
0.53	-0.27319	0.53	0.02572
0.60	-0.25164	0.60	-0.00123
0.67	-0.24630	0.67	-0.00395
0.74	-0.23468	0.74	-0.01369
0.81	-0.22211	0.81	-0.02545
0.88	-0.21726	0.88	-0.06507
0.95	-0.20020	0.95	-0.11079

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
1	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
33	0.6007	19.21	0.04	20.02 418.2	101.15 2112.6	79.26 1655.3	10.95 3.34	308.83 96.22

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.55722	0.05	0.76122
0.06	-0.55057	0.10	0.58170
0.11	-0.55415	0.20	0.36049
0.17	-0.56887	0.35	0.14406
0.23	-0.57571	0.50	-0.05883
0.29	-0.57610	0.65	-0.09095
0.35	-0.57753	0.80	0.13202
0.41	-0.59160	0.95	0.07017
0.47	-0.60070		
0.53	-0.61848		
0.57	-0.62204		
0.65	-0.63062		
0.71	-0.64811		
0.77	-0.64785		
0.83	-0.65190		
0.89	-0.65377		
0.95	-0.64156		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.30186	0.02	0.63295
0.06	-0.29710	0.06	0.66440
0.11	-0.29482	0.11	0.55874
0.18	-0.29088	0.18	0.45574
0.25	-0.29048	0.25	0.35615
0.32	-0.30047	0.32	0.26924
0.39	-0.30519	0.39	0.14990
0.46	-0.30372	0.46	0.10032
0.53	-0.29881	0.53	0.06910
0.60	-0.28988	0.60	0.02428
0.67	-0.28717	0.67	0.01115
0.74	-0.27820	0.74	-0.00119
0.81	-0.26924	0.81	-0.02653
0.88	-0.25938	0.88	-0.08036
0.95	-0.25193	0.95	-0.13789

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
1	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
34	0.5984	21.23	0.03	19.91 415.8	101.19 2113.3	79.43 1658.9	10.90 3.32	309.37 97.19

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.58034	0.05	0.79768
0.06	-0.56191	0.10	0.64084
0.11	-0.56456	0.20	0.42936
0.17	-0.57500	0.35	0.18941
0.23	-0.59647	0.50	-0.01132
0.29	-0.58623	0.65	-0.05649
0.35	-0.59570	0.80	0.14577
0.41	-0.61973	0.95	0.07569
0.47	-0.63526		
0.53	-0.62041		
0.57	-0.61807		
0.65	-0.62992		
0.71	-0.65214		
0.77	-0.64930		
0.83	-0.66360		
0.89	-0.67718		
0.95	-0.65429		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.30485	0.02	0.55382
0.06	-0.30704	0.06	0.63361
0.11	-0.29944	0.11	0.57478
0.18	-0.30985	0.18	0.46545
0.25	-0.32133	0.25	0.36933
0.32	-0.32612	0.32	0.28172
0.39	-0.30752	0.39	0.19161
0.46	-0.31302	0.46	0.12819
0.53	-0.31211	0.53	0.08199
0.60	-0.31586	0.60	0.03906
0.67	-0.30837	0.67	0.01650
0.74	-0.30844	0.74	-0.00798
0.81	-0.30351	0.81	-0.02868
0.88	-0.28710	0.88	-0.08640
0.95	-0.27676	0.95	-0.16338

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
1	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
35	0.6007	-1.97	0.00	20.02 418.2	101.15 2112.6	79.26 1655.3	10.94 3.33	309.14 96.79

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.13586	0.05	-0.55844
0.06	-0.47291	0.10	-0.52258
0.11	-0.36220	0.20	-0.51086
0.17	-0.37718	0.35	-0.47921
0.23	-0.38003	0.50	-0.45406
0.29	-0.38861	0.65	-0.14200
0.35	-0.38253	0.80	0.15872
0.41	-0.37470	0.95	0.25043
0.47	-0.37524		
0.53	-0.37384		
0.57	-0.34141		
0.65	-0.32811		
0.71	-0.29262		
0.77	-0.23821		
0.83	-0.17767		
0.89	-0.11213		
0.95	-0.01882		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.28944	0.02	-0.68803
0.06	0.11983	0.06	-0.46558
0.11	0.02245	0.11	-0.41670
0.18	-0.08205	0.18	-0.41596
0.25	-0.13634	0.25	-0.38902
0.32	-0.19572	0.32	-0.36923
0.39	-0.21240	0.39	-0.34276
0.46	-0.19526	0.46	-0.29514
0.53	-0.17299	0.53	-0.24687
0.60	-0.13218	0.60	-0.18499
0.67	-0.07741	0.67	-0.10604
0.74	-0.01988	0.74	-0.04027
0.81	0.02443	0.81	0.01468
0.88	0.07447	0.88	0.06943
0.95	0.13550	0.95	0.13685

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
2	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7782	-6.70	-0.01	28.70 599.4	101.02 2109.8	67.71 1414.1	12.47 3.80	315.65 108.50

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.45995	0.05	-1.32380
0.06	0.03225	0.10	-1.28944
0.11	0.00103	0.20	-1.30110
0.17	-0.07960	0.35	-0.72955
0.23	-0.13996	0.50	-0.51372
0.29	-0.19038	0.65	-0.33953
0.35	-0.23895	0.80	-0.19832
0.41	-0.26463	0.95	-0.05062
0.47	-0.30919		
0.53	-0.34549		
0.57	-0.32860		
0.65	-0.37104		
0.71	-0.34596		
0.77	-0.30860		
0.83	-0.27441		
0.89	-0.22072		
0.95	-0.16415		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.46512	0.02	-1.30369
0.06	0.26984	0.06	-1.06548
0.11	0.15822	0.11	-0.59978
0.18	0.02737	0.18	-0.60344
0.25	-0.05227	0.25	-0.54352
0.32	-0.13717	0.32	-0.49708
0.39	-0.18287	0.39	-0.42610
0.46	-0.18183	0.46	-0.34186
0.53	-0.15817	0.53	-0.26647
0.60	-0.12259	0.60	-0.18334
0.67	-0.07646	0.67	-0.09135
0.74	-0.01860	0.74	-0.01346
0.81	0.03677	0.81	0.05722
0.88	0.07874	0.88	0.11090
0.95	0.13425	0.95	0.17607

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
2	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.7816	-4.42	-0.01	28.87 602.9	101.05 2110.5	67.50 1409.8	12.49 3.81	315.89 108.94

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.25223	0.05	-1.09072
0.06	-0.17489	0.10	-1.00144
0.11	-0.17277	0.20	-0.92423
0.17	-0.24037	0.35	-0.99835
0.23	-0.27176	0.50	-0.38910
0.29	-0.30669	0.65	-0.13373
0.35	-0.31497	0.80	-0.02794
0.41	-0.32633	0.95	0.11124
0.47	-0.35961		
0.53	-0.40118		
0.57	-0.36979		
0.65	-0.36286		
0.71	-0.30939		
0.77	-0.24078		
0.83	-0.17648		
0.89	-0.09885		
0.95	0.00110		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.35091	0.02	-0.91755
0.06	0.16141	0.06	-0.44101
0.11	0.03918	0.11	-0.50583
0.18	-0.08142	0.18	-0.51831
0.25	-0.15130	0.25	-0.48332
0.32	-0.22917	0.32	-0.45477
0.39	-0.26500	0.39	-0.39723
0.46	-0.25280	0.46	-0.32818
0.53	-0.22313	0.53	-0.26073
0.60	-0.14416	0.60	-0.17809
0.67	-0.08633	0.67	-0.08818
0.74	-0.02213	0.74	-0.01285
0.81	0.04226	0.81	0.05559
0.88	0.09421	0.88	0.10867
0.95	0.15741	0.95	0.17516

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
2	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.7794	-2.03	-0.01	28.77 600.9	101.08 2111.2	67.67 1413.3	12.44 3.79	316.55 110.12

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.11095	0.05	-0.55591
0.06	-0.55561	0.10	-0.52365
0.11	-0.43237	0.20	-0.67594
0.17	-0.44004	0.35	-0.76390
0.23	-0.45846	0.50	-0.51014
0.29	-0.47145	0.65	-0.09098
0.35	-0.47707	0.80	0.10154
0.41	-0.46217	0.95	0.23986
0.47	-0.45912		
0.53	-0.46612		
0.57	-0.42021		
0.65	-0.39026		
0.71	-0.32662		
0.77	-0.24469		
0.83	-0.15760		
0.89	-0.06927		
0.95	0.04155		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.27853	0.02	-0.63917
0.06	0.10918	0.06	-0.45684
0.11	0.00154	0.11	-0.42888
0.18	-0.12283	0.18	-0.46077
0.25	-0.19369	0.25	-0.45220
0.32	-0.27556	0.32	-0.13492
0.39	-0.29075	0.39	-0.38438
0.46	-0.26973	0.46	-0.32051
0.53	-0.23414	0.53	-0.25439
0.60	-0.15963	0.60	-0.17127
0.67	-0.10002	0.67	-0.08541
0.74	-0.02731	0.74	-0.00917
0.81	0.03903	0.81	0.05966
0.88	0.09187	0.88	0.11246
0.95	0.16032	0.95	0.18187

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
2	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.7785	0.35	-0.01	28.72 599.9	101.05 2110.5	67.70 1414.0	12.43 3.79	316.62 110.25

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.58047	0.05	-0.19637
0.06	-0.89068	0.10	-0.29695
0.11	-0.90609	0.20	-0.42674
0.17	-0.80896	0.35	-0.54087
0.23	-0.77376	0.50	-0.52078
0.29	-0.65190	0.65	-0.10291
0.35	-0.63992	0.80	0.17889
0.41	-0.56847	0.95	0.29101
0.47	-0.55763		
0.53	-0.56065		
0.57	-0.49424		
0.65	-0.43100		
0.71	-0.34428		
0.77	-0.25508		
0.83	-0.16844		
0.89	-0.07801		
0.95	0.02984		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.20280	0.02	-0.46809
0.06	0.04903	0.06	-0.37246
0.11	-0.05740	0.11	-0.38585
0.18	-0.17827	0.18	-0.43241
0.25	-0.23977	0.25	-0.42720
0.32	-0.32207	0.32	-0.42146
0.39	-0.33355	0.39	-0.38415
0.46	-0.29915	0.46	-0.32421
0.53	-0.25247	0.53	-0.26411
0.60	-0.17897	0.60	-0.18014
0.67	-0.10500	0.67	-0.08621
0.74	-0.02854	0.74	-0.01271
0.81	0.03600	0.81	0.04515
0.88	0.09750	0.88	0.10242
0.95	0.16740	0.95	0.17678

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
2	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.7787	2.78	0.00	28.72 599.9	101.02 2109.8	67.67 1413.3	12.41 3.78	316.96 110.86

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.90663	0.05	0.08418
0.06	-1.28574	0.10	-0.07979
0.11	-1.18602	0.20	-0.23984
0.17	-1.20842	0.35	-0.37376
0.23	-1.20228	0.50	-0.42038
0.29	-1.19599	0.65	-0.08841
0.35	-1.20284	0.80	0.22964
0.41	-1.07952	0.95	0.31687
0.47	-1.02088		
0.53	-0.51726		
0.57	-0.40838		
0.65	-0.33920		
0.71	-0.27448		
0.77	-0.19800		
0.83	-0.13045		
0.89	-0.05493		
0.95	0.02953		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.13500	0.02	-0.33953
0.06	-0.00056	0.06	-0.28631
0.11	-0.10146	0.11	-0.31717
0.18	-0.21500	0.18	-0.38065
0.25	-0.27776	0.25	-0.38549
0.32	-0.35265	0.32	-0.37933
0.39	-0.36369	0.39	-0.35486
0.46	-0.32492	0.46	-0.30203
0.53	-0.26985	0.53	-0.24573
0.60	-0.18573	0.60	-0.16807
0.67	-0.11015	0.67	-0.08009
0.74	-0.03095	0.74	-0.00938
0.81	0.03706	0.81	0.04945
0.88	0.09696	0.88	0.10093
0.95	0.16963	0.95	0.17150

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
2	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.7775	4.96	0.00	28.68 598.9	101.05 2110.5	67.77 1415.5	12.40 3.78	317.17 111.23

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.12143	0.05	0.24637
0.06	-1.41684	0.10	0.04938
0.11	-1.38288	0.20	-0.12972
0.17	-1.37224	0.35	-0.29633
0.23	-1.28473	0.50	-0.43598
0.29	-0.88795	0.65	-0.17220
0.35	-0.73321	0.80	0.17670
0.41	-0.69991	0.95	0.23577
0.47	-0.67148		
0.53	-0.61749		
0.57	-0.56270		
0.65	-0.48810		
0.71	-0.44671		
0.77	-0.40042		
0.83	-0.34503		
0.89	-0.30113		
0.95	-0.24835		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.05713	0.02	-0.32819
0.06	-0.06216	0.06	-0.23024
0.11	-0.15302	0.11	-0.24273
0.18	-0.25727	0.18	-0.25703
0.25	-0.30639	0.25	-0.24580
0.32	-0.36879	0.32	-0.22968
0.39	-0.36505	0.39	-0.23837
0.46	-0.31916	0.46	-0.20494
0.53	-0.26720	0.53	-0.15861
0.60	-0.18237	0.60	-0.11822
0.67	-0.11463	0.67	-0.05659
0.74	-0.04350	0.74	-0.00669
0.81	0.01393	0.81	0.03670
0.88	0.06827	0.88	0.07483
0.95	0.13495	0.95	0.12604

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
2	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.7790	7.13	-0.01	28.75 600.4	101.05 2110.5	67.67 1413.3	12.38 3.77	317.74 112.27

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.03494	0.05	0.37472
0.06	-1.40673	0.10	0.16510
0.11	-1.44442	0.20	-0.02722
0.17	-1.16914	0.35	-0.21165
0.23	-0.89586	0.50	-0.38415
0.29	-0.81712	0.65	-0.20275
0.35	-0.69582	0.80	0.16252
0.41	-0.45182	0.95	0.20535
0.47	-0.46470		
0.53	-0.52208		
0.57	-0.53485		
0.65	-0.54596		
0.71	-0.56511		
0.77	-0.53948		
0.83	-0.51021		
0.89	-0.41206		
0.95	-0.36903		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.04387	0.02	-0.05108
0.06	-0.04942	0.06	-0.02352
0.11	-0.18890	0.11	-0.02987
0.18	-0.24250	0.18	-0.09713
0.25	-0.26219	0.25	-0.09660
0.32	-0.30057	0.32	-0.09092
0.39	-0.29460	0.39	-0.09993
0.46	-0.25941	0.46	-0.09105
0.53	-0.22372	0.53	-0.07560
0.60	-0.15528	0.60	-0.05364
0.67	-0.10839	0.67	-0.01589
0.74	-0.05517	0.74	0.01389
0.81	-0.00549	0.81	0.03895
0.88	0.04188	0.88	0.06709
0.95	0.09405	0.95	0.10036

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
2	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.7787	9.18	-0.04	28.72 599.9	101.02 2109.8	67.67 1413.3	12.39 3.78	317.46 111.76

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.54741	0.05	0.46994
0.06	-0.54951	0.10	0.26311
0.11	-0.52067	0.20	0.05442
0.17	-0.52875	0.35	-0.15472
0.23	-0.51656	0.50	-0.34455
0.29	-0.52346	0.65	-0.22356
0.35	-0.54974	0.80	0.15195
0.41	-0.56923	0.95	0.17912
0.47	-0.61611		
0.53	-0.57725		
0.57	-0.57758		
0.65	-0.61029		
0.71	-0.59684		
0.77	-0.56273		
0.83	-0.57142		
0.89	-0.58285		
0.95	-0.53234		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.34828	0.02	0.09348
0.06	-0.23795	0.06	0.15089
0.11	-0.23341	0.11	0.13039
0.18	-0.24008	0.18	0.13501
0.25	-0.24120	0.25	0.05723
0.32	-0.23923	0.32	0.01603
0.39	-0.21117	0.39	-0.01973
0.46	-0.19596	0.46	-0.03403
0.53	-0.16473	0.53	-0.03926
0.60	-0.11790	0.60	-0.03302
0.67	-0.07416	0.67	-0.00573
0.74	-0.03600	0.74	0.01533
0.81	-0.01927	0.81	0.02732
0.88	0.01040	0.88	0.04014
0.95	0.04697	0.95	0.06220

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
2	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.7790	11.25	-0.07	28.75 600.4	101.05 2110.5	67.67 1413.3	12.39 3.78	317.48 111.80

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.54163	0.05	0.54929
0.06	-0.51147	0.10	0.34610
0.11	-0.51018	0.20	0.13180
0.17	-0.50513	0.35	-0.09375
0.23	-0.51656	0.50	-0.29611
0.29	-0.52899	0.65	-0.22342
0.35	-0.53814	0.80	0.14622
0.41	-0.54409	0.95	0.15754
0.47	-0.54293		
0.53	-0.59162		
0.57	-0.57000		
0.65	-0.58102		
0.71	-0.58929		
0.77	-0.58180		
0.83	-0.58984		
0.89	-0.61068		
0.95	-0.59290		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.36540	0.02	0.61372
0.06	-0.32221	0.06	0.47927
0.11	-0.27328	0.11	0.43590
0.18	-0.24264	0.18	0.28457
0.25	-0.21278	0.25	0.19438
0.32	-0.20314	0.32	0.11910
0.39	-0.16289	0.39	0.04525
0.46	-0.14083	0.46	0.00384
0.53	-0.13579	0.53	-0.02802
0.60	-0.11453	0.60	-0.03130
0.67	-0.11561	0.67	-0.01844
0.74	-0.09653	0.74	-0.00642
0.81	-0.08105	0.81	0.00993
0.88	-0.06124	0.88	0.01084
0.95	-0.05032	0.95	-0.00712

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
2	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.7795	13.34	-0.06	28.77 600.9	101.05 2110.5	67.64 1412.6	12.36 3.77	318.14 112.98

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.52815	0.05	0.64304
0.06	-0.51961	0.10	0.42686
0.11	-0.51944	0.20	0.20870
0.17	-0.50078	0.35	-0.01912
0.23	-0.51753	0.50	-0.22623
0.29	-0.53055	0.65	-0.19622
0.35	-0.53649	0.80	0.16270
0.41	-0.54014	0.95	0.16297
0.47	-0.56040		
0.53	-0.57360		
0.57	-0.58050		
0.65	-0.57266		
0.71	-0.59957		
0.77	-0.60680		
0.83	-0.59465		
0.89	-0.61951		
0.95	-0.60149		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.29997	0.02	0.76121
0.06	-0.26864	0.06	0.69341
0.11	-0.26928	0.11	0.55243
0.18	-0.25035	0.18	0.42219
0.25	-0.24581	0.25	0.29437
0.32	-0.23272	0.32	0.19788
0.39	-0.21974	0.39	0.10487
0.46	-0.20890	0.46	0.04364
0.53	-0.19453	0.53	0.00057
0.60	-0.18171	0.60	-0.01892
0.67	-0.16784	0.67	-0.01814
0.74	-0.14941	0.74	-0.02051
0.81	-0.14971	0.81	-0.03005
0.88	-0.14339	0.88	-0.05044
0.95	-0.13228	0.95	-0.08669

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
2	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.7806	15.46	-0.08	28.82 601.9	101.05 2110.5	67.57 1411.2	12.37 3.77	318.23 113.14

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.51785	0.05	0.70594
0.06	-0.51200	0.10	0.50952
0.11	-0.51621	0.20	0.29569
0.17	-0.50582	0.35	0.06037
0.23	-0.52028	0.50	-0.15068
0.29	-0.52244	0.65	-0.15129
0.35	-0.52711	0.80	0.18149
0.41	-0.53225	0.95	0.17313
0.47	-0.53306		
0.53	-0.55071		
0.57	-0.55343		
0.65	-0.56309		
0.71	-0.57176		
0.77	-0.57829		
0.83	-0.57071		
0.89	-0.57569		
0.95	-0.56793		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.30060	0.02	0.78980
0.06	-0.28020	0.06	0.73711
0.11	-0.26841	0.11	0.61574
0.18	-0.26844	0.18	0.46994
0.25	-0.26754	0.25	0.32171
0.32	-0.26102	0.32	0.22659
0.39	-0.24299	0.39	0.14054
0.46	-0.24360	0.46	0.07567
0.53	-0.23816	0.53	0.02620
0.60	-0.23374	0.60	-0.00816
0.67	-0.22265	0.67	-0.01249
0.74	-0.20190	0.74	-0.01900
0.81	-0.19533	0.81	-0.02505
0.88	-0.19111	0.88	-0.05807
0.95	-0.17742	0.95	-0.10121

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
2	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.7801	17.64	-0.09	28.80 601.4	101.05 2110.5	67.60 1411.9	12.35 3.76	318.57 113.75

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.51684	0.05	0.77690
0.06	-0.51730	0.10	0.60103
0.11	-0.50935	0.20	0.39100
0.17	-0.52352	0.35	0.14828
0.23	-0.51157	0.50	-0.06389
0.29	-0.51878	0.65	-0.08283
0.35	-0.53297	0.80	0.21170
0.41	-0.52762	0.95	0.19373
0.47	-0.54200		
0.53	-0.54979		
0.57	-0.54733		
0.65	-0.56039		
0.71	-0.58412		
0.77	-0.58906		
0.83	-0.56844		
0.89	-0.56868		
0.95	-0.54917		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.30718	0.02	0.77188
0.06	-0.30156	0.06	0.74736
0.11	-0.29667	0.11	0.62947
0.18	-0.30119	0.18	0.49092
0.25	-0.28367	0.25	0.35906
0.32	-0.28908	0.32	0.26540
0.39	-0.29636	0.39	0.16938
0.46	-0.29330	0.46	0.09411
0.53	-0.29069	0.53	0.03997
0.60	-0.27355	0.60	0.00526
0.67	-0.27565	0.67	-0.00992
0.74	-0.27023	0.74	-0.01731
0.81	-0.25926	0.81	-0.03279
0.88	-0.24309	0.88	-0.07481
0.95	-0.23505	0.95	-0.13457

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
2	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.7787	19.79	0.10	28.72 599.9	101.02 2109.8	67.67 1413.3	12.30 3.75	319.24 114.96

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.54528	0.05	0.81452
0.06	-0.54009	0.10	0.65224
0.11	-0.54090	0.20	0.43631
0.17	-0.53598	0.35	0.20826
0.23	-0.54009	0.50	-0.01223
0.29	-0.54902	0.65	-0.04616
0.35	-0.55853	0.80	0.22625
0.41	-0.56807	0.95	0.20664
0.47	-0.57270		
0.53	-0.56341		
0.57	-0.57293		
0.65	-0.58616		
0.71	-0.58573		
0.77	-0.60160		
0.83	-0.58825		
0.89	-0.59642		
0.95	-0.57940		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.31048	0.02	0.60242
0.06	-0.31509	0.06	0.65173
0.11	-0.31090	0.11	0.57692
0.18	-0.31560	0.18	0.46511
0.25	-0.31625	0.25	0.35205
0.32	-0.32158	0.32	0.26340
0.39	-0.32629	0.39	0.18138
0.46	-0.32851	0.46	0.11049
0.53	-0.31926	0.53	0.05968
0.60	-0.31141	0.60	0.02420
0.67	-0.30908	0.67	-0.00223
0.74	-0.29837	0.74	-0.02149
0.81	-0.30235	0.81	-0.03431
0.88	-0.29868	0.88	-0.08825
0.95	-0.29327	0.95	-0.16005

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
2	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.7785	-2.04	-0.01	28.72 599.9	101.05 2110.5	67.70 1414.0	12.29 3.75	319.47 115.37

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.15041	0.05	-0.55894
0.06	-0.55759	0.10	-0.54892
0.11	-0.40425	0.20	-0.68302
0.17	-0.45494	0.35	-0.77308
0.23	-0.46271	0.50	-0.52333
0.29	-0.46952	0.65	-0.09061
0.35	-0.47006	0.80	0.10719
0.41	-0.45346	0.95	0.24004
0.47	-0.45396		
0.53	-0.47308		
0.57	-0.41990		
0.65	-0.39310		
0.71	-0.31884		
0.77	-0.23755		
0.83	-0.15388		
0.89	-0.06782		
0.95	0.04355		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.26532	0.02	-0.65245
0.06	0.10194	0.06	-0.45947
0.11	-0.00709	0.11	-0.42980
0.18	-0.12482	0.18	-0.48169
0.25	-0.19983	0.25	-0.46040
0.32	-0.27814	0.32	-0.44374
0.39	-0.30814	0.39	-0.39399
0.46	-0.28083	0.46	-0.32965
0.53	-0.23982	0.53	-0.26049
0.60	-0.17181	0.60	-0.17949
0.67	-0.10727	0.67	-0.08598
0.74	-0.02753	0.74	-0.00895
0.81	0.04201	0.81	0.04739
0.88	0.09704	0.88	0.10358
0.95	0.16798	0.95	0.17756

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
3	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8511	-6.50	-0.01	31.90 666.2	101.02 2109.8	62.91 1313.9	12.74 3.88	321.07 118.26

WING

UPPER SURFACE

X/C	CP
0.02	0.39904
0.06	-0.02753
0.11	-0.03728
0.17	-0.11877
0.23	-0.17648
0.29	-0.23187
0.35	-0.28336
0.41	-0.31227
0.47	-0.36502
0.53	-0.45424
0.57	-0.43302
0.65	-0.55038
0.71	-0.61252
0.77	-0.63942
0.83	-0.65397
0.89	-0.67676
0.95	-0.42780

LOWER SURFACE

X/C	CP
0.05	-1.02616
0.10	-1.00949
0.20	-1.04533
0.35	-0.48915
0.50	-0.43534
0.65	-0.39312
0.80	-0.34929
0.95	-0.31128

HORIZ. TAIL

UPPER SURFACE

X/C	CP
0.02	0.51543
0.06	0.31632
0.11	0.18768
0.18	0.06002
0.25	-0.03839
0.32	-0.14254
0.39	-0.17986
0.46	-0.19444
0.53	-0.18616
0.60	-0.13725
0.67	-0.08623
0.74	-0.01778
0.81	0.03911
0.88	0.08586
0.95	0.14378

LOWER SURFACE

X/C	CP
0.02	-1.28555
0.06	-1.11594
0.11	-1.04188
0.18	-0.67928
0.25	-0.63879
0.32	-0.66571
0.39	-0.42296
0.46	-0.28281
0.53	-0.20964
0.60	-0.12801
0.67	-0.04236
0.74	0.02727
0.81	0.08643
0.88	0.13920
0.95	0.19359

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
3	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.8491	-4.25	-0.01	31.82 664.5	101.02 2109.8	63.04 1316.7	12.72 3.88	321.29 118.66

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.15009	0.05	-0.79806
0.06	-0.25867	0.10	-0.73594
0.11	-0.20583	0.20	-0.85686
0.17	-0.30032	0.35	-0.90589
0.23	-0.33205	0.50	-0.34067
0.29	-0.38310	0.65	-0.28292
0.35	-0.41169	0.80	-0.25199
0.41	-0.42844	0.95	-0.17613
0.47	-0.46366		
0.53	-0.54618		
0.57	-0.51856		
0.65	-0.63443		
0.71	-0.69265		
0.77	-0.72283		
0.83	-0.61722		
0.89	-0.25598		
0.95	-0.18925		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.38881	0.02	-1.00093
0.06	0.20445	0.06	-0.77908
0.11	0.08402	0.11	-0.51527
0.18	-0.06223	0.18	-0.59157
0.25	-0.15245	0.25	-0.59006
0.32	-0.25094	0.32	-0.59457
0.39	-0.30200	0.39	-0.42851
0.46	-0.29296	0.46	-0.32076
0.53	-0.25429	0.53	-0.24213
0.60	-0.17214	0.60	-0.15070
0.67	-0.10394	0.67	-0.05899
0.74	-0.02164	0.74	0.01728
0.81	0.04712	0.81	0.08327
0.88	0.10400	0.88	0.13777
0.95	0.17292	0.95	0.20354

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
3	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.8501	-1.92	-0.02	31.86 665.4	101.02 2109.8	62.98 1315.3	12.70 3.87	321.82 119.61

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.12793	0.05	-0.41473
0.06	-0.52405	0.10	-0.44197
0.11	-0.47351	0.20	-0.64807
0.17	-0.53215	0.35	-0.71387
0.23	-0.54706	0.50	-0.62485
0.29	-0.59170	0.65	-0.22581
0.35	-0.60320	0.80	-0.18780
0.41	-0.59976	0.95	-0.07517
0.47	-0.60177		
0.53	-0.66227		
0.57	-0.63992		
0.65	-0.71240		
0.71	-0.77010		
0.77	-0.34230		
0.83	-0.19074		
0.89	-0.10796		
0.95	-0.03737		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.28605	0.02	-0.70178
0.06	0.10943	0.06	-0.47155
0.11	-0.00097	0.11	-0.44853
0.18	-0.13907	0.18	-0.51533
0.25	-0.22643	0.25	-0.52426
0.32	-0.34798	0.32	-0.53061
0.39	-0.38459	0.39	-0.42201
0.46	-0.35234	0.46	-0.33394
0.53	-0.29193	0.53	-0.25540
0.60	-0.18237	0.60	-0.16219
0.67	-0.10597	0.67	-0.06581
0.74	-0.01944	0.74	0.01108
0.81	0.04874	0.81	0.07010
0.88	0.10922	0.88	0.12759
0.95	0.18182	0.95	0.19852

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
3	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.8486	0.33	-0.01	31.80 664.1	101.02 2109.8	63.08 1317.4	12.67 3.86	322.18 120.25

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.40737	0.05	-0.17762
0.06	-0.73461	0.10	-0.28959
0.11	-0.75375	0.20	-0.43511
0.17	-0.78046	0.35	-0.58200
0.23	-0.80514	0.50	-0.76343
0.29	-0.77579	0.65	-0.23231
0.35	-0.79813	0.80	-0.14088
0.41	-0.77960	0.95	0.05841
0.47	-0.81106		
0.53	-0.88457		
0.57	-0.85914		
0.65	-0.44385		
0.71	-0.28539		
0.77	-0.20719		
0.83	-0.12030		
0.89	-0.04921		
0.95	0.04014		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.17839	0.02	-0.39433
0.06	0.03528	0.06	-0.33905
0.11	-0.07999	0.11	-0.36553
0.18	-0.20694	0.18	-0.45868
0.25	-0.28756	0.25	-0.45185
0.32	-0.41823	0.32	-0.46883
0.39	-0.47299	0.39	-0.39601
0.46	-0.37169	0.46	-0.32481
0.53	-0.28764	0.53	-0.25047
0.60	-0.18149	0.60	-0.15563
0.67	-0.10171	0.67	-0.05922
0.74	-0.01322	0.74	0.01607
0.81	0.06074	0.81	0.07491
0.88	0.12020	0.88	0.12738
0.95	0.19170	0.95	0.19614

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
3	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.8501	2.73	-0.01	31.86 665.4	101.02 2109.8	62.98 1315.3	12.67 3.86	322.36 120.58

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.64893	0.05	0.02123
0.06	-0.96253	0.10	-0.12294
0.11	-0.96182	0.20	-0.27964
0.17	-0.97702	0.35	-0.47950
0.23	-0.98889	0.50	-0.68006
0.29	-0.98301	0.65	-0.26960
0.35	-0.92423	0.80	-0.13696
0.41	-0.62548	0.95	0.07903
0.47	-0.43878		
0.53	-0.42390		
0.57	-0.40768		
0.65	-0.38610		
0.71	-0.36291		
0.77	-0.33341		
0.83	-0.30907		
0.89	-0.27247		
0.95	-0.22838		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.12643	0.02	-0.36732
0.06	-0.01225	0.06	-0.29386
0.11	-0.12521	0.11	-0.32775
0.18	-0.26364	0.18	-0.35323
0.25	-0.35035	0.25	-0.33885
0.32	-0.47761	0.32	-0.33237
0.39	-0.57364	0.39	-0.30717
0.46	-0.35893	0.46	-0.25097
0.53	-0.27738	0.53	-0.19762
0.60	-0.17993	0.60	-0.13156
0.67	-0.10389	0.67	-0.05577
0.74	-0.02027	0.74	0.00580
0.81	0.04856	0.81	0.05956
0.88	0.10484	0.88	0.10209
0.95	0.16532	0.95	0.16637

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
3	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.8501	4.90	0.00	31.86 665.4	101.02 2109.8	62.98 1315.3	12.64 3.85	322.91 121.56

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.80043	0.05	0.19215
0.06	-1.11717	0.10	0.02337
0.11	-1.08314	0.20	-0.16075
0.17	-1.10554	0.35	-0.37750
0.23	-0.92099	0.50	-0.61034
0.29	-0.65455	0.65	-0.27055
0.35	-0.57018	0.80	-0.05091
0.41	-0.54558	0.95	0.15265
0.47	-0.53323		
0.53	-0.50857		
0.57	-0.49475		
0.65	-0.48727		
0.71	-0.47030		
0.77	-0.45020		
0.83	-0.42304		
0.89	-0.39712		
0.95	-0.37345		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.02135	0.02	-0.13532
0.06	-0.10616	0.06	-0.06349
0.11	-0.19342	0.11	-0.08029
0.18	-0.28294	0.18	-0.10105
0.25	-0.32681	0.25	-0.12456
0.32	-0.37225	0.32	-0.13780
0.39	-0.37651	0.39	-0.13659
0.46	-0.30610	0.46	-0.11912
0.53	-0.24191	0.53	-0.09939
0.60	-0.16897	0.60	-0.06530
0.67	-0.10260	0.67	-0.01748
0.74	-0.03664	0.74	0.01489
0.81	0.02189	0.81	0.04918
0.88	0.06617	0.88	0.08158
0.95	0.11799	0.95	0.12010

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
3	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.8493	7.16	0.01	31.81 664.4	100.98 2109.1	63.01 1316.0	12.64 3.85	322.70 121.19

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.99399	0.05	0.34296
0.06	-1.22295	0.10	0.13918
0.11	-1.20817	0.20	-0.04422
0.17	-1.05225	0.35	-0.26168
0.23	-0.81331	0.50	-0.53552
0.29	-0.70763	0.65	-0.25302
0.35	-0.66654	0.80	0.10519
0.41	-0.63129	0.95	0.18637
0.47	-0.60475		
0.53	-0.59146		
0.57	-0.57208		
0.65	-0.54428		
0.71	-0.53720		
0.77	-0.52145		
0.83	-0.51111		
0.89	-0.48799		
0.95	-0.46935		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.19944	0.02	0.12839
0.06	-0.17059	0.06	0.13065
0.11	-0.21297	0.11	0.09610
0.18	-0.24655	0.18	0.04988
0.25	-0.26432	0.25	0.01218
0.32	-0.27869	0.32	-0.01330
0.39	-0.25539	0.39	-0.03666
0.46	-0.21829	0.46	-0.03627
0.53	-0.17812	0.53	-0.03367
0.60	-0.12731	0.60	-0.02194
0.67	-0.08146	0.67	0.00500
0.74	-0.02716	0.74	0.03058
0.81	0.00735	0.81	0.06046
0.88	0.04808	0.88	0.07764
0.95	0.09230	0.95	0.09885

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
3	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.8478	9.31	-0.04	31.75 663.1	100.98 2109.1	63.11 1318.0	12.61 3.84	323.21 122.10

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.79780	0.05	0.46664
0.06	-0.86469	0.10	0.26207
0.11	-0.80691	0.20	0.07297
0.17	-0.83579	0.35	-0.17220
0.23	-1.01253	0.50	-0.43231
0.29	-0.71425	0.65	-0.20846
0.35	-0.71044	0.80	0.16690
0.41	-0.71644	0.95	0.21196
0.47	-0.63318		
0.53	-0.64861		
0.57	-0.63496		
0.65	-0.63971		
0.71	-0.62624		
0.77	-0.63076		
0.83	-0.60938		
0.89	-0.59417		
0.95	-0.55642		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.21623	0.02	0.54319
0.06	-0.17675	0.06	0.46720
0.11	-0.17472	0.11	0.36404
0.18	-0.18753	0.18	0.23447
0.25	-0.18998	0.25	0.17874
0.32	-0.20210	0.32	0.09970
0.39	-0.19724	0.39	0.02278
0.46	-0.17801	0.46	0.01829
0.53	-0.15809	0.53	0.01469
0.60	-0.10439	0.60	0.01153
0.67	-0.06566	0.67	0.03631
0.74	-0.03194	0.74	0.04522
0.81	-0.00795	0.81	0.01875
0.88	0.02020	0.88	0.01151
0.95	0.05370	0.95	0.03038

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
3	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.8506	11.43	-0.02	31.88 665.8	101.02 2109.8	62.94 1314.6	12.60 3.84	323.92 123.38

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.26250	0.05	0.56052
0.06	-1.34040	0.10	0.36319
0.11	-1.24178	0.20	0.15128
0.17	-1.10078	0.35	-0.08552
0.23	-1.06736	0.50	-0.35254
0.29	-1.00300	0.65	-0.19468
0.35	-0.69273	0.80	0.18988
0.41	-0.53775	0.95	0.22177
0.47	-0.50746		
0.53	-0.51551		
0.57	-0.51586		
0.65	-0.51666		
0.71	-0.54190		
0.77	-0.55838		
0.83	-0.55931		
0.89	-0.59281		
0.95	-0.61966		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.36469	0.02	0.66734
0.06	-0.28951	0.06	0.62817
0.11	-0.27328	0.11	0.52201
0.18	-0.25639	0.18	0.38343
0.25	-0.23657	0.25	0.28149
0.32	-0.21097	0.32	0.18462
0.39	-0.17742	0.39	0.10647
0.46	-0.16717	0.46	0.03958
0.53	-0.15159	0.53	0.00003
0.60	-0.13028	0.60	-0.02052
0.67	-0.12569	0.67	-0.01731
0.74	-0.09931	0.74	-0.01150
0.81	-0.10410	0.81	-0.00502
0.88	-0.07692	0.88	-0.02481
0.95	-0.07192	0.95	-0.04370

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
3	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.8478	13.61	-0.02	31.75 663.1	100.98 2109.1	63.11 1318.0	12.58 3.83	323.77 123.11

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.37880	0.05	0.66004
0.06	-1.35400	0.10	0.46167
0.11	-1.33859	0.20	0.24709
0.17	-1.24428	0.35	0.00578
0.23	-1.26696	0.50	-0.22870
0.29	-1.16768	0.65	-0.14907
0.35	-0.53188	0.80	0.21087
0.41	-0.49220	0.95	0.23680
0.47	-0.51078		
0.53	-0.51185		
0.57	-0.52261		
0.65	-0.52762		
0.71	-0.53441		
0.77	-0.55575		
0.83	-0.57434		
0.89	-0.58290		
0.95	-0.59518		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.29448	0.02	0.70775
0.06	-0.26673	0.06	0.70201
0.11	-0.24705	0.11	0.59818
0.18	-0.23777	0.18	0.48925
0.25	-0.23276	0.25	0.36437
0.32	-0.22306	0.32	0.25960
0.39	-0.22069	0.39	0.15025
0.46	-0.19983	0.46	0.08240
0.53	-0.21043	0.53	0.02315
0.60	-0.20150	0.60	-0.01239
0.67	-0.19899	0.67	-0.02050
0.74	-0.17275	0.74	-0.02605
0.81	-0.17367	0.81	-0.02841
0.88	-0.16522	0.88	-0.05679
0.95	-0.14749	0.95	-0.09950

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
3	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.8508	15.83	0.01	31.87 665.7	100.98 2109.1	62.91 1313.9	12.57 3.83	324.34 124.15

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.43054	0.05	0.74380
0.06	-1.30427	0.10	0.55752
0.11	-1.35034	0.20	0.34619
0.17	-1.32264	0.35	0.10734
0.23	-1.35533	0.50	-0.13018
0.29	-1.23367	0.65	-0.09541
0.35	-0.70548	0.80	0.24085
0.41	-0.58318	0.95	0.25571
0.47	-0.55713		
0.53	-0.56434		
0.57	-0.56121		
0.65	-0.56741		
0.71	-0.58432		
0.77	-0.60453		
0.83	-0.59909		
0.89	-0.60872		
0.95	-0.61332		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.28331	0.02	0.72684
0.06	-0.26491	0.06	0.73987
0.11	-0.25285	0.11	0.63840
0.18	-0.25534	0.18	0.50758
0.25	-0.25005	0.25	0.38020
0.32	-0.24487	0.32	0.27549
0.39	-0.23535	0.39	0.17571
0.46	-0.24105	0.46	0.10036
0.53	-0.23480	0.53	0.03489
0.60	-0.23283	0.60	0.00322
0.67	-0.22975	0.67	-0.01631
0.74	-0.21822	0.74	-0.02999
0.81	-0.20380	0.81	-0.03742
0.88	-0.19732	0.88	-0.08014
0.95	-0.18696	0.95	-0.13533

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
3	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.8493	17.91	-0.30	31.81 664.4	100.98 2109.1	63.01 1316.0	12.55 3.83	324.55 124.52

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.54525	0.05	0.79791
0.06	-0.53513	0.10	0.62209
0.11	-0.53181	0.20	0.41944
0.17	-0.52975	0.35	0.18012
0.23	-0.52763	0.50	-0.04322
0.29	-0.52868	0.65	-0.03341
0.35	-0.52933	0.80	0.26516
0.41	-0.53721	0.95	0.26959
0.47	-0.55481		
0.53	-0.53771		
0.57	-0.53888		
0.65	-0.54624		
0.71	-0.54504		
0.77	-0.54097		
0.83	-0.55189		
0.89	-0.54190		
0.95	-0.54534		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.31289	0.02	0.72624
0.06	-0.30668	0.06	0.73964
0.11	-0.29929	0.11	0.63857
0.18	-0.29466	0.18	0.49728
0.25	-0.29709	0.25	0.37568
0.32	-0.30828	0.32	0.26600
0.39	-0.31100	0.39	0.17662
0.46	-0.31502	0.46	0.09987
0.53	-0.31058	0.53	0.04351
0.60	-0.30241	0.60	-0.00572
0.67	-0.30272	0.67	-0.01736
0.74	-0.28904	0.74	-0.02996
0.81	-0.27098	0.81	-0.05056
0.88	-0.26061	0.88	-0.09615
0.95	-0.25412	0.95	-0.15208

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
3	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.8481	19.99	-0.07	31.77 663.6	101.02 2109.8	63.11 1318.0	12.54 3.82	324.72 124.82

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.56775	0.05	0.84869
0.06	-0.55956	0.10	0.68764
0.11	-0.56039	0.20	0.48350
0.17	-0.57490	0.35	0.25218
0.23	-0.55789	0.50	0.03076
0.29	-0.56144	0.65	0.02350
0.35	-0.55975	0.80	0.28772
0.41	-0.55412	0.95	0.28114
0.47	-0.56060		
0.53	-0.55743		
0.57	-0.56333		
0.65	-0.55913		
0.71	-0.55848		
0.77	-0.57003		
0.83	-0.57951		
0.89	-0.57090		
0.95	-0.56375		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.33027	0.02	0.59676
0.06	-0.32048	0.06	0.66586
0.11	-0.32588	0.11	0.57794
0.18	-0.32501	0.18	0.47475
0.25	-0.32404	0.25	0.36158
0.32	-0.33953	0.32	0.26255
0.39	-0.33975	0.39	0.17904
0.46	-0.34309	0.46	0.10823
0.53	-0.34185	0.53	0.05208
0.60	-0.33785	0.60	0.01381
0.67	-0.33199	0.67	0.00025
0.74	-0.31852	0.74	-0.02202
0.81	-0.31701	0.81	-0.04943
0.88	-0.31169	0.88	-0.10024
0.95	-0.30066	0.95	-0.17773

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
3	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.8486	-1.93	-0.01	31.80 664.1	101.02 2109.8	63.08 1317.4	12.60 3.84	323.43 122.50

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	5.40330	0.05	1.92773
0.06	1.50183	0.10	4.94913
0.11	1.56981	0.20	0.54765
0.17	5.48770	0.35	0.45294
0.23	1.49389	0.50	0.37729
0.29	1.57317	0.65	-0.35585
0.35	6.23125	0.80	-0.37797
0.41	1.56269	0.95	-2.63323
0.47	1.86947		
0.53	6.99891		
0.57	0.75087		
0.65	0.47479		
0.71	0.99022		
0.77	0.07399		
0.83	1.13180		
0.89	4.28797		
0.95	1.66112		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	1.31577	0.02	5.04961
0.06	0.55400	0.06	1.36317
0.11	0.89544	0.11	1.43427
0.18	3.61275	0.18	3.98251
0.25	0.88370	0.25	0.83395
0.32	0.76437	0.32	0.66859
0.39	1.69960	0.39	1.52879
0.46	0.26134	0.46	0.16661
0.53	0.05750	0.53	-0.02501
0.60	-0.50200	0.60	-0.71835
0.67	-0.27786	0.67	-0.32647
0.74	-0.48340	0.74	-0.53020
0.81	6.68140	0.81	-0.01469
0.88	1.19118	0.88	0.00308
0.95	1.21582	0.95	0.00261

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
4	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.6004	-6.59	-0.01	19.99 417.5	101.08 2111.2	79.22 1654.6	11.18 3.41	303.57 86.76

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.54803	0.05	-1.91065
0.06	0.16594	0.10	-1.02282
0.11	0.06378	0.20	-0.86568
0.17	-0.01092	0.35	-0.68961
0.23	-0.07244	0.50	-0.55938
0.29	-0.10461	0.65	-0.17210
0.35	-0.13157	0.80	0.07189
0.41	-0.15237	0.95	0.16694
0.47	-0.17681		
0.53	-0.22163		
0.57	-0.20554		
0.65	-0.22315		
0.71	-0.19475		
0.77	-0.16140		
0.83	-0.12207		
0.89	-0.06603		
0.95	0.00629		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.73605	0.02	-0.83328
0.06	0.58042	0.06	-0.73894
0.11	0.44814	0.11	-0.72319
0.18	0.30321	0.18	-0.70356
0.25	0.20442	0.25	-0.68510
0.32	0.10164	0.32	-0.65905
0.39	0.02762	0.39	-0.64844
0.46	-0.00721	0.46	-0.62256
0.53	-0.03543	0.53	-0.59927
0.60	-0.04217	0.60	-0.55434
0.67	-0.04435	0.67	-0.51688
0.74	-0.04618	0.74	-0.48174
0.81	-0.05225	0.81	-0.44815
0.88	-0.07946	0.88	-0.40184
0.95	-0.14256	0.95	-0.35144

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
4	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.6000	-4.28	-0.01	19.96 416.9	101.05 2110.5	79.22 1654.6	11.07 3.38	305.67 90.53

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.22616	0.05	-1.00485
0.06	-0.12664	0.10	-0.80639
0.11	-0.14379	0.20	-0.70786
0.17	-0.18156	0.35	-0.60327
0.23	-0.20433	0.50	-0.51610
0.29	-0.23984	0.65	-0.16299
0.35	-0.25530	0.80	0.13020
0.41	-0.25569	0.95	0.22785
0.47	-0.27899		
0.53	-0.29017		
0.57	-0.25569		
0.65	-0.26594		
0.71	-0.24324		
0.77	-0.19567		
0.83	-0.14848		
0.89	-0.09172		
0.95	-0.00959		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.74255	0.02	-0.82717
0.06	0.55953	0.06	-0.79756
0.11	0.42530	0.11	-0.78465
0.18	0.27844	0.18	-0.78158
0.25	0.17383	0.25	-0.73854
0.32	0.07361	0.32	-0.69965
0.39	0.02649	0.39	-0.64415
0.46	-0.00892	0.46	-0.60316
0.53	-0.03235	0.53	-0.55976
0.60	-0.04848	0.60	-0.52816
0.67	-0.04861	0.67	-0.47611
0.74	-0.03837	0.74	-0.43929
0.81	-0.04245	0.81	-0.38469
0.88	-0.06261	0.88	-0.32872
0.95	-0.11033	0.95	-0.27665

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
4	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.5989	-2.09	-0.01	19.91 415.8	101.05 2110.5	79.29 1656.1	11.03 3.36	306.27 91.61

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.14525	0.05	-0.60279
0.06	-0.41268	0.10	-0.52015
0.11	-0.34246	0.20	-0.51662
0.17	-0.35804	0.35	-0.48738
0.23	-0.36055	0.50	-0.46410
0.29	-0.36258	0.65	-0.14867
0.35	-0.36610	0.80	0.15346
0.41	-0.34518	0.95	0.25646
0.47	-0.34883		
0.53	-0.36777		
0.57	-0.33348		
0.65	-0.32669		
0.71	-0.27782		
0.77	-0.22888		
0.83	-0.17404		
0.89	-0.10363		
0.95	-0.01533		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.72824	0.02	-0.88633
0.06	0.54385	0.06	-0.87988
0.11	0.40539	0.11	-0.87621
0.18	0.26389	0.18	-0.83128
0.25	0.16270	0.25	-0.76726
0.32	0.06734	0.32	-0.69941
0.39	0.00655	0.39	-0.63661
0.46	-0.03004	0.46	-0.57510
0.53	-0.04756	0.53	-0.52228
0.60	-0.03818	0.60	-0.47148
0.67	-0.02569	0.67	-0.41636
0.74	-0.01032	0.74	-0.35587
0.81	-0.00324	0.81	-0.31172
0.88	-0.00426	0.88	-0.25896
0.95	-0.01737	0.95	-0.19451

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
4	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.6005	0.12	-0.01	19.99 417.5	101.05 2110.5	79.19 1653.9	11.02 3.36	306.90 92.75

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.68141	0.05	-0.19198
0.06	-0.77575	0.10	-0.31364
0.11	-0.61638	0.20	-0.37707
0.17	-0.56304	0.35	-0.41966
0.23	-0.52434	0.50	-0.39566
0.29	-0.49855	0.65	-0.12897
0.35	-0.46835	0.80	0.17674
0.41	-0.45402	0.95	0.27425
0.47	-0.44562		
0.53	-0.42501		
0.57	-0.38569		
0.65	-0.37106		
0.71	-0.31598		
0.77	-0.25667		
0.83	-0.19164		
0.89	-0.12393		
0.95	-0.02714		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.72347	0.02	-0.98448
0.06	0.51368	0.06	-0.98604
0.11	0.37208	0.11	-0.97189
0.18	0.22359	0.18	-0.91113
0.25	0.12367	0.25	-0.82352
0.32	0.02830	0.32	-0.73655
0.39	-0.02557	0.39	-0.64673
0.46	-0.05202	0.46	-0.56878
0.53	-0.06415	0.53	-0.50054
0.60	-0.05558	0.60	-0.42601
0.67	-0.03809	0.67	-0.36181
0.74	-0.01422	0.74	-0.30049
0.81	0.01224	0.81	-0.23829
0.88	0.01722	0.88	-0.16844
0.95	0.01489	0.95	-0.11475

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
4	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.5999	2.35	-0.01	19.97 417.0	101.08 2111.2	79.26 1655.3	11.00 3.35	307.31 93.49

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.43667	0.05	0.08620
0.06	-1.24623	0.10	-0.04696
0.11	-0.88648	0.20	-0.17585
0.17	-0.76887	0.35	-0.26491
0.23	-0.67811	0.50	-0.30787
0.29	-0.63745	0.65	-0.10034
0.35	-0.59149	0.80	0.20515
0.41	-0.54074	0.95	0.29127
0.47	-0.51895		
0.53	-0.50162		
0.57	-0.45093		
0.65	-0.41580		
0.71	-0.34996		
0.77	-0.28295		
0.83	-0.21284		
0.89	-0.12079		
0.95	-0.02417		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.70672	0.02	-1.05918
0.06	0.48730	0.06	-1.05730
0.11	0.34595	0.11	-1.01166
0.18	0.20555	0.18	-0.96330
0.25	0.10626	0.25	-0.86604
0.32	0.01059	0.32	-0.74828
0.39	-0.04095	0.39	-0.63558
0.46	-0.06475	0.46	-0.53342
0.53	-0.06930	0.53	-0.43950
0.60	-0.06500	0.60	-0.33960
0.67	-0.04080	0.67	-0.25634
0.74	-0.01055	0.74	-0.19415
0.81	0.01194	0.81	-0.12647
0.88	0.03038	0.88	-0.06076
0.95	0.04487	0.95	-0.00251

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
4	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.5993	4.63	0.00	19.94 416.4	101.08 2111.2	79.29 1656.1	10.99 3.35	307.39 93.63

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-2.17106	0.05	0.29459
0.06	-2.08039	0.10	0.10842
0.11	-1.07333	0.20	-0.04869
0.17	-0.96044	0.35	-0.17265
0.23	-0.84235	0.50	-0.24333
0.29	-0.76240	0.65	-0.07838
0.35	-0.69593	0.80	0.22182
0.41	-0.63118	0.95	0.29294
0.47	-0.58668		
0.53	-0.55109		
0.57	-0.50274		
0.65	-0.44611		
0.71	-0.37274		
0.77	-0.29290		
0.83	-0.21014		
0.89	-0.12230		
0.95	-0.03068		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.69066	0.02	-1.43115
0.06	0.45536	0.06	-1.41283
0.11	0.30942	0.11	-1.29223
0.18	0.16611	0.18	-1.04694
0.25	0.07116	0.25	-0.74828
0.32	-0.02103	0.32	-0.57061
0.39	-0.07134	0.39	-0.46426
0.46	-0.09106	0.46	-0.37530
0.53	-0.09634	0.53	-0.29482
0.60	-0.07805	0.60	-0.21684
0.67	-0.04769	0.67	-0.13943
0.74	-0.01233	0.74	-0.08195
0.81	0.01633	0.81	-0.01703
0.88	0.04423	0.88	0.03379
0.95	0.07627	0.95	0.09109

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
4	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.5994	6.78	0.00	19.94 416.4	101.05 2110.5	79.26 1655.3	10.97 3.34	307.71 94.20

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-2.53889	0.05	0.46102
0.06	-2.40703	0.10	0.24102
0.11	-1.83157	0.20	0.05368
0.17	-1.36545	0.35	-0.09503
0.23	-1.02350	0.50	-0.18396
0.29	-0.85127	0.65	-0.06267
0.35	-0.77974	0.80	0.23042
0.41	-0.66986	0.95	0.29634
0.47	-0.60544		
0.53	-0.55544		
0.57	-0.50138		
0.65	-0.42593		
0.71	-0.34992		
0.77	-0.27152		
0.83	-0.20086		
0.89	-0.12026		
0.95	-0.04399		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.67754	0.02	-1.61355
0.06	0.43115	0.06	-1.48857
0.11	0.27964	0.11	-1.07935
0.18	0.13948	0.18	-0.68284
0.25	0.04021	0.25	-0.55710
0.32	-0.04948	0.32	-0.48454
0.39	-0.10484	0.39	-0.40524
0.46	-0.12039	0.46	-0.33624
0.53	-0.12316	0.53	-0.26517
0.60	-0.09143	0.60	-0.18966
0.67	-0.06033	0.67	-0.11204
0.74	-0.02235	0.74	-0.04144
0.81	0.02141	0.81	0.01230
0.88	0.05233	0.88	0.06378
0.95	0.09489	0.95	0.12186

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
4	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.5989	8.89	-0.01	19.91 415.8	101.05 2110.5	79.29 1656.1	10.95 3.34	307.98 94.70

WING

UPPER SURFACE

X/C	CP
0.02	-1.48511
0.06	-1.33330
0.11	-1.16905
0.17	-1.08366
0.23	-1.02093
0.29	-0.95011
0.35	-0.86563
0.41	-0.78039
0.47	-0.72648
0.53	-0.65634
0.57	-0.62003
0.65	-0.55012
0.71	-0.51289
0.77	-0.51746
0.83	-0.45558
0.89	-0.37785
0.95	-0.34173

LOWER SURFACE

X/C	CP
0.05	0.53575
0.10	0.33141
0.20	0.12758
0.35	-0.07034
0.50	-0.18670
0.65	-0.11589
0.80	0.17968
0.95	0.20904

HORIZ. TAIL

UPPER SURFACE

X/C	CP
0.02	0.48521
0.06	0.34676
0.11	0.22052
0.18	0.10459
0.25	0.02777
0.32	-0.03882
0.39	-0.08793
0.46	-0.09752
0.53	-0.09414
0.60	-0.07516
0.67	-0.05175
0.74	-0.01837
0.81	0.00454
0.88	0.02676
0.95	0.05919

LOWER SURFACE

X/C	CP
0.02	-1.36820
0.06	-0.84988
0.11	-0.65708
0.18	-0.49442
0.25	-0.40855
0.32	-0.33655
0.39	-0.29487
0.46	-0.24218
0.53	-0.20311
0.60	-0.14806
0.67	-0.09551
0.74	-0.04486
0.81	-0.00290
0.88	0.03249
0.95	0.08147

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
4	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.5993	10.85	-0.02	19.94 416.4	101.08 2111.2	79.29 1656.1	10.95 3.34	308.09 94.90

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.78078	0.05	0.56082
0.06	-0.73919	0.10	0.34632
0.11	-0.67811	0.20	0.13727
0.17	-0.64189	0.35	-0.06775
0.23	-0.63177	0.50	-0.21077
0.29	-0.73787	0.65	-0.16964
0.35	-0.64660	0.80	0.12215
0.41	-0.61738	0.95	0.11623
0.47	-0.62910		
0.53	-0.64425		
0.57	-0.63947		
0.65	-0.62977		
0.71	-0.61364		
0.77	-0.59028		
0.83	-0.56531		
0.89	-0.55412		
0.95	-0.51398		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.06751	0.02	-0.50200
0.06	0.00690	0.06	-0.34800
0.11	0.01130	0.11	-0.30579
0.18	-0.00119	0.18	-0.24776
0.25	-0.02909	0.25	-0.18604
0.32	-0.05835	0.32	-0.19466
0.39	-0.06112	0.39	-0.18756
0.46	-0.05419	0.46	-0.16763
0.53	-0.06238	0.53	-0.13758
0.60	-0.03691	0.60	-0.10786
0.67	-0.02541	0.67	-0.06958
0.74	-0.00391	0.74	-0.03653
0.81	0.00863	0.81	-0.00660
0.88	0.02716	0.88	0.02041
0.95	0.04882	0.95	0.05118

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
4	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.6003	12.92	-0.03	19.99 417.6	101.12 2111.9	79.26 1655.3	10.97 3.34	308.08 94.87

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.51688	0.05	0.63649
0.06	-0.49479	0.10	0.41809
0.11	-0.50621	0.20	0.20054
0.17	-0.49916	0.35	-0.02126
0.23	-0.52007	0.50	-0.18983
0.29	-0.53658	0.65	-0.18783
0.35	-0.52692	0.80	0.09659
0.41	-0.54934	0.95	0.07824
0.47	-0.54526		
0.53	-0.57908		
0.57	-0.56064		
0.65	-0.56862		
0.71	-0.58644		
0.77	-0.57794		
0.83	-0.58130		
0.89	-0.56805		
0.95	-0.54934		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.39248	0.02	-0.08047
0.06	-0.23373	0.06	-0.05048
0.11	-0.16277	0.11	-0.07833
0.18	-0.14167	0.18	-0.11425
0.25	-0.12864	0.25	-0.13429
0.32	-0.10270	0.32	-0.13741
0.39	-0.07579	0.39	-0.14301
0.46	-0.05481	0.46	-0.11866
0.53	-0.05697	0.53	-0.10370
0.60	-0.03533	0.60	-0.08683
0.67	-0.01889	0.67	-0.04982
0.74	-0.00756	0.74	-0.01692
0.81	-0.00857	0.81	-0.00756
0.88	0.00922	0.88	0.01291
0.95	0.02167	0.95	0.03477

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
4	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.6004	14.86	-0.01	19.99 417.5	101.08 2111.2	79.22 1654.6	10.95 3.34	308.51 95.64

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.50836	0.05	0.63928
0.06	-0.49777	0.10	0.44322
0.11	-0.50015	0.20	0.22978
0.17	-0.50201	0.35	0.00758
0.23	-0.50841	0.50	-0.17437
0.29	-0.52553	0.65	-0.19113
0.35	-0.53477	0.80	0.09667
0.41	-0.54366	0.95	0.07521
0.47	-0.55292		
0.53	-0.56720		
0.57	-0.56561		
0.65	-0.58231		
0.71	-0.57923		
0.77	-0.57692		
0.83	-0.57763		
0.89	-0.58726		
0.95	-0.58158		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.45052	0.02	0.32548
0.06	-0.30088	0.06	0.25462
0.11	-0.24333	0.11	0.16122
0.18	-0.19677	0.18	0.07151
0.25	-0.17250	0.25	0.00320
0.32	-0.13111	0.32	-0.05864
0.39	-0.12088	0.39	-0.08979
0.46	-0.09701	0.46	-0.09568
0.53	-0.08703	0.53	-0.10206
0.60	-0.07775	0.60	-0.10450
0.67	-0.05277	0.67	-0.07506
0.74	-0.04228	0.74	-0.05063
0.81	-0.04432	0.81	-0.02961
0.88	-0.02218	0.88	-0.02284
0.95	-0.00452	0.95	-0.02424

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
4	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.5993	17.00	-0.14	19.94 416.4	101.08 2111.2	79.29 1656.1	10.94 3.33	308.53 95.68

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.51210	0.05	0.74022
0.06	-0.50579	0.10	0.55352
0.11	-0.52324	0.20	0.32695
0.17	-0.50976	0.35	0.09501
0.23	-0.51577	0.50	-0.09720
0.29	-0.52993	0.65	-0.13572
0.35	-0.54788	0.80	0.11283
0.41	-0.55371	0.95	0.05026
0.47	-0.56034		
0.53	-0.56794		
0.57	-0.57101		
0.65	-0.58774		
0.71	-0.60170		
0.77	-0.60429		
0.83	-0.61047		
0.89	-0.58599		
0.95	-0.58000		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.46028	0.02	0.54780
0.06	-0.35237	0.06	0.32863
0.11	-0.31705	0.11	0.19525
0.18	-0.26202	0.18	0.09097
0.25	-0.24588	0.25	0.01289
0.32	-0.21011	0.32	-0.02898
0.39	-0.18279	0.39	-0.10021
0.46	-0.16334	0.46	-0.10843
0.53	-0.16166	0.53	-0.12122
0.60	-0.12428	0.60	-0.10489
0.67	-0.11076	0.67	-0.06950
0.74	-0.11520	0.74	-0.04904
0.81	-0.09486	0.81	-0.02832
0.88	-0.09712	0.88	-0.02024
0.95	-0.07076	0.95	-0.00659

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
4	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.6000	19.08	-0.04	19.96 416.9	101.05 2110.5	79.22 1654.6	10.93 3.33	308.90 96.35

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.53658	0.05	0.75297
0.06	-0.54418	0.10	0.57354
0.11	-0.54322	0.20	0.35702
0.17	-0.53591	0.35	0.13799
0.23	-0.54618	0.50	-0.07427
0.29	-0.55327	0.65	-0.12360
0.35	-0.55065	0.80	0.11608
0.41	-0.55351	0.95	0.07163
0.47	-0.57302		
0.53	-0.57075		
0.57	-0.58917		
0.65	-0.60515		
0.71	-0.59152		
0.77	-0.60550		
0.83	-0.60047		
0.89	-0.59487		
0.95	-0.60183		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.45618	0.02	0.46197
0.06	-0.41554	0.06	0.38864
0.11	-0.38856	0.11	0.25930
0.18	-0.34295	0.18	0.15961
0.25	-0.28556	0.25	0.06742
0.32	-0.25734	0.32	0.00859
0.39	-0.23843	0.39	-0.05685
0.46	-0.21458	0.46	-0.08361
0.53	-0.18871	0.53	-0.10201
0.60	-0.17243	0.60	-0.11447
0.67	-0.16826	0.67	-0.09427
0.74	-0.15825	0.74	-0.06987
0.81	-0.13658	0.81	-0.07662
0.88	-0.14893	0.88	-0.06328
0.95	-0.13147	0.95	-0.09565

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
4	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.5982	21.13	-0.01	19.88 415.2	101.08 2111.2	79.36 1657.5	10.90 3.32	309.07 96.65

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.55216	0.05	0.78826
0.06	-0.55200	0.10	0.63391
0.11	-0.54339	0.20	0.42059
0.17	-0.55853	0.35	0.18432
0.23	-0.54000	0.50	-0.01840
0.29	-0.55678	0.65	-0.07635
0.35	-0.58567	0.80	0.14289
0.41	-0.57499	0.95	0.07797
0.47	-0.57284		
0.53	-0.60443		
0.57	-0.60166		
0.65	-0.61065		
0.71	-0.61214		
0.77	-0.60066		
0.83	-0.61099		
0.89	-0.62855		
0.95	-0.61599		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.47442	0.02	0.52636
0.06	-0.46133	0.06	0.44784
0.11	-0.46777	0.11	0.31266
0.18	-0.45097	0.18	0.18990
0.25	-0.42734	0.25	0.09595
0.32	-0.35501	0.32	0.02669
0.39	-0.32901	0.39	-0.03951
0.46	-0.28167	0.46	-0.07335
0.53	-0.25697	0.53	-0.10171
0.60	-0.22916	0.60	-0.10820
0.67	-0.20801	0.67	-0.09802
0.74	-0.20242	0.74	-0.08698
0.81	-0.19599	0.81	-0.08441
0.88	-0.18535	0.88	-0.10735
0.95	-0.17131	0.95	-0.13383

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
4	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.5988	23.22	-0.01	19.91 415.8	101.08 2111.2	79.33 1656.8	10.91 3.32	309.07 96.65

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.55737	0.05	0.83121
0.06	-0.54281	0.10	0.68499
0.11	-0.55578	0.20	0.48432
0.17	-0.54629	0.35	0.25645
0.23	-0.56018	0.50	0.03864
0.29	-0.55914	0.65	-0.03034
0.35	-0.56710	0.80	0.15920
0.41	-0.57655	0.95	0.09537
0.47	-0.59369		
0.53	-0.59630		
0.57	-0.60294		
0.65	-0.59671		
0.71	-0.60804		
0.77	-0.61162		
0.83	-0.61483		
0.89	-0.60704		
0.95	-0.59091		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.53790	0.02	0.52560
0.06	-0.52944	0.06	0.44419
0.11	-0.53800	0.11	0.33379
0.18	-0.56173	0.18	0.20344
0.25	-0.53145	0.25	0.10837
0.32	-0.51019	0.32	0.03560
0.39	-0.42010	0.39	-0.02743
0.46	-0.39147	0.46	-0.07243
0.53	-0.33739	0.53	-0.09518
0.60	-0.30699	0.60	-0.10831
0.67	-0.27421	0.67	-0.10751
0.74	-0.26426	0.74	-0.09719
0.81	-0.24826	0.81	-0.11032
0.88	-0.23646	0.88	-0.12956
0.95	-0.21327	0.95	-0.15758

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
4	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.6004	25.27	0.00	19.99 417.5	101.08 2111.2	79.22 1654.6	10.91 3.33	309.44 97.33

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.57677	0.05	0.85309
0.06	-0.56848	0.10	0.74094
0.11	-0.55763	0.20	0.54614
0.17	-0.56841	0.35	0.30611
0.23	-0.58745	0.50	0.09884
0.29	-0.58468	0.65	0.01460
0.35	-0.59953	0.80	0.18844
0.41	-0.61739	0.95	0.11164
0.47	-0.62409		
0.53	-0.60555		
0.57	-0.61373		
0.65	-0.61039		
0.71	-0.60923		
0.77	-0.63169		
0.83	-0.63243		
0.89	-0.63098		
0.95	-0.62238		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.67616	0.02	0.51030
0.06	-0.65132	0.06	0.45313
0.11	-0.63811	0.11	0.33704
0.18	-0.60790	0.18	0.21332
0.25	-0.60474	0.25	0.11164
0.32	-0.65381	0.32	0.02842
0.39	-0.54766	0.39	-0.03802
0.46	-0.49363	0.46	-0.07511
0.53	-0.42537	0.53	-0.10576
0.60	-0.35056	0.60	-0.12837
0.67	-0.32862	0.67	-0.12302
0.74	-0.30581	0.74	-0.11210
0.81	-0.28564	0.81	-0.12669
0.88	-0.27206	0.88	-0.16028
0.95	-0.26439	0.95	-0.20895

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
4	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.6010	27.37	0.00	20.02 418.1	101.08 2111.2	79.19 1653.9	10.92 3.33	309.44 97.33

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.60566	0.05	0.86433
0.06	-0.58062	0.10	0.78280
0.11	-0.58484	0.20	0.60005
0.17	-0.59931	0.35	0.37049
0.23	-0.60122	0.50	0.16250
0.29	-0.59718	0.65	0.06657
0.35	-0.60031	0.80	0.21337
0.41	-0.60454	0.95	0.11613
0.47	-0.60518		
0.53	-0.62069		
0.57	-0.63179		
0.65	-0.62653		
0.71	-0.64840		
0.77	-0.65504		
0.83	-0.66822		
0.89	-0.63171		
0.95	-0.62713		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.65575	0.02	0.50189
0.06	-0.77265	0.06	0.45653
0.11	-0.74159	0.11	0.34967
0.18	-0.69516	0.18	0.24147
0.25	-0.73544	0.25	0.13464
0.32	-0.65688	0.32	0.04820
0.39	-0.63204	0.39	-0.01589
0.46	-0.56468	0.46	-0.06170
0.53	-0.49813	0.53	-0.10526
0.60	-0.45805	0.60	-0.11374
0.67	-0.39990	0.67	-0.12083
0.74	-0.35672	0.74	-0.12527
0.81	-0.35652	0.81	-0.14480
0.88	-0.33179	0.88	-0.19060
0.95	-0.31703	0.95	-0.23633

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
4	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.6008	-2.06	-0.01	20.02 418.1	101.12 2111.9	79.22 1654.6	10.94 3.33	309.01 96.55

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.09173	0.05	-0.61526
0.06	-0.43451	0.10	-0.53372
0.11	-0.38067	0.20	-0.51461
0.17	-0.36731	0.35	-0.49298
0.23	-0.36202	0.50	-0.46083
0.29	-0.36073	0.65	-0.14124
0.35	-0.35999	0.80	0.15436
0.41	-0.34183	0.95	0.25637
0.47	-0.35076		
0.53	-0.36065		
0.57	-0.32329		
0.65	-0.31887		
0.71	-0.28211		
0.77	-0.22962		
0.83	-0.17200		
0.89	-0.10671		
0.95	-0.01514		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.72588	0.02	-0.87254
0.06	0.53935	0.06	-0.86049
0.11	0.40456	0.11	-0.86048
0.18	0.26173	0.18	-0.84558
0.25	0.15851	0.25	-0.77907
0.32	0.06840	0.32	-0.71062
0.39	0.00453	0.39	-0.64389
0.46	-0.02606	0.46	-0.58014
0.53	-0.04374	0.53	-0.52554
0.60	-0.04247	0.60	-0.46483
0.67	-0.03036	0.67	-0.42193
0.74	-0.01683	0.74	-0.36605
0.81	0.00152	0.81	-0.32171
0.88	-0.00017	0.88	-0.27099
0.95	-0.01517	0.95	-0.21254

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
5	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7795	-6.65	-0.01	28.74 600.3	100.95 2108.4	67.57 1411.2	12.48 3.80	315.54 108.30

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.46645	0.05	-1.30624
0.06	0.10173	0.10	-1.29232
0.11	0.01416	0.20	-1.30012
0.17	-0.07126	0.35	-0.74803
0.23	-0.11927	0.50	-0.49866
0.29	-0.17216	0.65	-0.34142
0.35	-0.21915	0.80	-0.19144
0.41	-0.25048	0.95	-0.01917
0.47	-0.29477		
0.53	-0.34147		
0.57	-0.32522		
0.65	-0.36350		
0.71	-0.35240		
0.77	-0.31157		
0.83	-0.27480		
0.89	-0.22148		
0.95	-0.18384		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.75986	0.02	-0.74748
0.06	0.60107	0.06	-0.71953
0.11	0.47814	0.11	-0.72829
0.18	0.33004	0.18	-0.66191
0.25	0.22505	0.25	-0.63114
0.32	0.10649	0.32	-0.61869
0.39	0.03219	0.39	-0.58912
0.46	-0.01676	0.46	-0.57791
0.53	-0.05746	0.53	-0.55321
0.60	-0.06661	0.60	-0.52680
0.67	-0.07045	0.67	-0.50201
0.74	-0.07394	0.74	-0.47890
0.81	-0.08149	0.81	-0.44053
0.88	-0.11719	0.88	-0.40274
0.95	-0.19492	0.95	-0.35514

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
5	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.7813	-4.52	-0.02	28.84 602.4	101.02 2109.8	67.50 1409.8	12.46 3.80	316.49 110.01

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.23633	0.05	-1.10135
0.06	-0.13367	0.10	-0.95914
0.11	-0.18258	0.20	-0.92662
0.17	-0.22436	0.35	-1.03789
0.23	-0.25664	0.50	-0.40179
0.29	-0.28912	0.65	-0.12606
0.35	-0.31621	0.80	-0.02278
0.41	-0.32262	0.95	0.12268
0.47	-0.35189		
0.53	-0.37628		
0.57	-0.34154		
0.65	-0.34934		
0.71	-0.29371		
0.77	-0.22849		
0.83	-0.16151		
0.89	-0.08845		
0.95	0.00621		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.74018	0.02	-0.74251
0.06	0.55575	0.06	-0.75405
0.11	0.42074	0.11	-0.73982
0.18	0.27624	0.18	-0.70354
0.25	0.16688	0.25	-0.67423
0.32	0.05495	0.32	-0.63328
0.39	-0.02304	0.39	-0.60381
0.46	-0.06861	0.46	-0.56625
0.53	-0.09712	0.53	-0.52605
0.60	-0.08752	0.60	-0.49202
0.67	-0.07968	0.67	-0.45851
0.74	-0.06864	0.74	-0.41789
0.81	-0.06804	0.81	-0.37280
0.88	-0.09145	0.88	-0.32654
0.95	-0.15132	0.95	-0.28472

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
5	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.7792	-2.18	-0.01	28.75 600.4	101.02 2109.8	67.64 1412.6	12.47 3.80	315.82 108.80

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.08916	0.05	-0.55634
0.06	-0.45943	0.10	-0.59060
0.11	-0.40500	0.20	-0.72180
0.17	-0.41599	0.35	-0.75960
0.23	-0.42533	0.50	-0.51414
0.29	-0.43108	0.65	-0.08594
0.35	-0.45656	0.80	0.10067
0.41	-0.43507	0.95	0.23586
0.47	-0.42619		
0.53	-0.44560		
0.57	-0.39726		
0.65	-0.37333		
0.71	-0.30153		
0.77	-0.22606		
0.83	-0.14702		
0.89	-0.05909		
0.95	0.04859		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.74111	0.02	-0.74143
0.06	0.54168	0.06	-0.74824
0.11	0.40184	0.11	-0.76612
0.18	0.24900	0.18	-0.73071
0.25	0.13920	0.25	-0.69234
0.32	0.02942	0.32	-0.65250
0.39	-0.03857	0.39	-0.60692
0.46	-0.07829	0.46	-0.56243
0.53	-0.10279	0.53	-0.51303
0.60	-0.09569	0.60	-0.46448
0.67	-0.08455	0.67	-0.42185
0.74	-0.06996	0.74	-0.37636
0.81	-0.06259	0.81	-0.33580
0.88	-0.07527	0.88	-0.29333
0.95	-0.12072	0.95	-0.24691

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
5	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.7773	0.23	-0.01	28.65 598.3	100.98 2109.1	67.74 1414.8	12.38 3.77	317.22 111.33

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.58819	0.05	-0.20491
0.06	-0.85338	0.10	-0.32711
0.11	-0.82007	0.20	-0.45082
0.17	-0.81238	0.35	-0.54817
0.23	-0.77278	0.50	-0.52561
0.29	-0.63328	0.65	-0.08984
0.35	-0.61925	0.80	0.17331
0.41	-0.55791	0.95	0.29262
0.47	-0.53930		
0.53	-0.53051		
0.57	-0.46429		
0.65	-0.41105		
0.71	-0.33037		
0.77	-0.24315		
0.83	-0.15827		
0.89	-0.06765		
0.95	0.03665		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.72357	0.02	-0.81401
0.06	0.51306	0.06	-0.82016
0.11	0.36862	0.11	-0.79698
0.18	0.21696	0.18	-0.75610
0.25	0.10675	0.25	-0.70262
0.32	-0.01183	0.32	-0.65963
0.39	-0.07022	0.39	-0.59753
0.46	-0.10796	0.46	-0.54885
0.53	-0.12842	0.53	-0.50106
0.60	-0.11740	0.60	-0.45228
0.67	-0.09727	0.67	-0.39507
0.74	-0.07898	0.74	-0.35602
0.81	-0.05995	0.81	-0.31730
0.88	-0.06475	0.88	-0.26011
0.95	-0.09811	0.95	-0.20957

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
5	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.7792	2.63	-0.01	28.75 600.4	101.02 2109.8	67.64 1412.6	12.42 3.79	316.87 110.69

WING

UPPER SURFACE

X/C	CP
0.02	-0.91573
0.06	-1.20814
0.11	-1.21069
0.17	-1.19540
0.23	-1.21372
0.29	-1.20487
0.35	-1.17369
0.41	-1.03232
0.47	-0.70833
0.53	-0.47450
0.57	-0.39940
0.65	-0.34211
0.71	-0.27164
0.77	-0.20570
0.83	-0.14024
0.89	-0.05709
0.95	0.03411

LOWER SURFACE

X/C	CP
0.05	0.06418
0.10	-0.09538
0.20	-0.23635
0.35	-0.36869
0.50	-0.44275
0.65	-0.08910
0.80	0.21577
0.95	0.31841

HORIZ. TAIL

UPPER SURFACE

X/C	CP
0.02	0.72290
0.06	0.50811
0.11	0.36666
0.18	0.20143
0.25	0.09224
0.32	-0.01669
0.39	-0.08884
0.46	-0.12440
0.53	-0.13907
0.60	-0.12199
0.67	-0.09607
0.74	-0.06727
0.81	-0.06130
0.88	-0.06146
0.95	-0.07426

LOWER SURFACE

X/C	CP
0.02	-0.86063
0.06	-0.85510
0.11	-0.82419
0.18	-0.76725
0.25	-0.70413
0.32	-0.65052
0.39	-0.59777
0.46	-0.53040
0.53	-0.47802
0.60	-0.42875
0.67	-0.37896
0.74	-0.32906
0.81	-0.28471
0.88	-0.23217
0.95	-0.18080

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
5	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.7788	4.84	0.01	28.72 599.8	100.98 2109.1	67.64 1412.6	12.38 3.77	317.54 111.90

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.12449	0.05	0.22242
0.06	-1.40848	0.10	0.03921
0.11	-1.39842	0.20	-0.12944
0.17	-1.39580	0.35	-0.29301
0.23	-1.36424	0.50	-0.43861
0.29	-1.01818	0.65	-0.17065
0.35	-0.77898	0.80	0.17725
0.41	-0.72460	0.95	0.23636
0.47	-0.68609		
0.53	-0.63080		
0.57	-0.58605		
0.65	-0.50521		
0.71	-0.43300		
0.77	-0.36508		
0.83	-0.29768		
0.89	-0.25181		
0.95	-0.20581		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.68670	0.02	-1.09101
0.06	0.46989	0.06	-1.07015
0.11	0.33087	0.11	-1.01047
0.18	0.17912	0.18	-0.92458
0.25	0.07460	0.25	-0.77396
0.32	-0.02986	0.32	-0.67114
0.39	-0.09755	0.39	-0.46389
0.46	-0.12851	0.46	-0.34645
0.53	-0.13876	0.53	-0.31147
0.60	-0.11066	0.60	-0.21623
0.67	-0.08194	0.67	-0.14620
0.74	-0.04505	0.74	-0.07800
0.81	-0.00742	0.81	-0.03551
0.88	0.00879	0.88	-0.01488
0.95	0.01822	0.95	0.04363

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
5	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.7792	7.00	0.01	28.75 600.4	101.02 2109.8	67.64 1412.6	12.39 3.78	317.50 111.83

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.27491	0.05	0.36827
0.06	-1.35784	0.10	0.17579
0.11	-1.21610	0.20	-0.01474
0.17	-1.25279	0.35	-0.21275
0.23	-1.01205	0.50	-0.27936
0.29	-0.80830	0.65	-0.18937
0.35	-0.78930	0.80	0.17226
0.41	-0.74107	0.95	0.20881
0.47	-0.67655		
0.53	-0.55628		
0.57	-0.60905		
0.65	-0.57501		
0.71	-0.54883		
0.77	-0.49788		
0.83	-0.49159		
0.89	-0.43546		
0.95	-0.34872		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.48427	0.02	-0.99486
0.06	0.38137	0.06	-0.77395
0.11	0.27190	0.11	-0.72604
0.18	0.16361	0.18	-0.52695
0.25	0.07374	0.25	-0.43187
0.32	-0.00944	0.32	-0.34241
0.39	-0.06183	0.39	-0.26832
0.46	-0.08399	0.46	-0.21300
0.53	-0.09378	0.53	-0.16163
0.60	-0.07370	0.60	-0.11723
0.67	-0.04763	0.67	-0.06732
0.74	-0.01408	0.74	-0.02384
0.81	0.01042	0.81	0.00901
0.88	0.03353	0.88	0.03914
0.95	0.05741	0.95	0.07426

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
5	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.7778	9.07	-0.02	28.67 598.8	100.98 2109.1	67.71 1414.1	12.35 3.76	317.97 112.67

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.92475	0.05	0.47733
0.06	-0.80086	0.10	0.26125
0.11	-0.74411	0.20	0.05722
0.17	-0.72653	0.35	-0.15266
0.23	-0.72965	0.50	-0.35459
0.29	-0.71105	0.65	-0.23024
0.35	-0.68992	0.80	0.14003
0.41	-0.67143	0.95	0.17631
0.47	-0.65889		
0.53	-0.64212		
0.57	-0.63083		
0.65	-0.61767		
0.71	-0.59735		
0.77	-0.58653		
0.83	-0.55946		
0.89	-0.53392		
0.95	-0.49931		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.15167	0.02	-0.59595
0.06	0.13003	0.06	-0.43367
0.11	0.09479	0.11	-0.32148
0.18	0.05406	0.18	-0.31845
0.25	0.01929	0.25	-0.23998
0.32	-0.02040	0.32	-0.21972
0.39	-0.02905	0.39	-0.20208
0.46	-0.03215	0.46	-0.16993
0.53	-0.02622	0.53	-0.13240
0.60	-0.03022	0.60	-0.09691
0.67	-0.00919	0.67	-0.05210
0.74	0.00760	0.74	-0.01923
0.81	0.02426	0.81	0.01418
0.88	0.04996	0.88	0.03849
0.95	0.06901	0.95	0.06456

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
5	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.7780	11.06	-0.02	28.67 598.8	100.95 2108.4	67.67 1413.3	12.35 3.77	317.82 112.40

WING

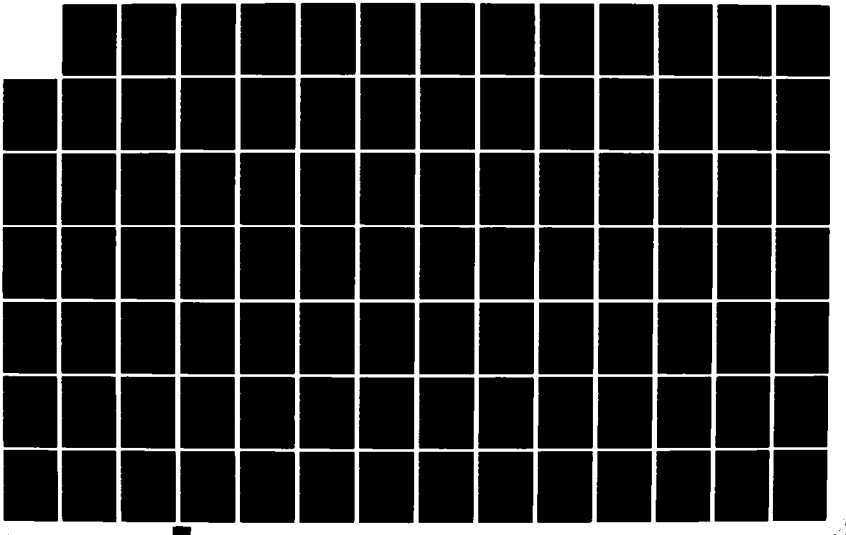
UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.53170	0.05	0.55046
0.06	-0.51891	0.10	0.33461
0.11	-0.50963	0.20	0.12580
0.17	-0.51160	0.35	-0.10743
0.23	-0.52147	0.50	-0.32283
0.29	-0.52549	0.65	-0.23538
0.35	-0.54128	0.80	0.13668
0.41	-0.55191	0.95	0.15900
0.47	-0.56722		
0.53	-0.56955		
0.57	-0.57562		
0.65	-0.59287		
0.71	-0.59408		
0.77	-0.59607		
0.83	-0.59823		
0.89	-0.59665		
0.95	-0.58491		

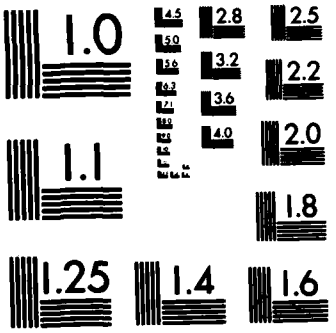
HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.27984	0.02	-0.09853
0.06	-0.16125	0.06	-0.01762
0.11	-0.11932	0.11	-0.03679
0.18	-0.07190	0.18	-0.09386
0.25	-0.05690	0.25	-0.11174
0.32	-0.05078	0.32	-0.11746
0.39	-0.04433	0.39	-0.12337
0.46	-0.04017	0.46	-0.11755
0.53	-0.03119	0.53	-0.10184
0.60	-0.00508	0.60	-0.08545
0.67	0.00641	0.67	-0.05318
0.74	0.02003	0.74	-0.02000
0.81	0.02594	0.81	0.00855
0.88	0.04675	0.88	0.02846
0.95	0.06275	0.95	0.05007

AD-A124 868 FORCE AND PRESSURE MEASUREMENTS ON A RESEARCH MODEL WITH A LOW- MID- AND.. (U) GENERAL DYNAMICS FORT WORTH TX FORT WORTH DIV R A COX DEC 82 FZA-540-VOL-2 2/9

UNCLASSIFIED N00014-82-C-0340 F/G 1/3 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
5	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.7783	13.15	-0.01	28.69 599.3	100.98 2109.1	67.67 1413.3	12.36 3.77	317.93 112.61

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.49231	0.05	0.61761
0.06	-0.49501	0.10	0.41063
0.11	-0.50184	0.20	0.19351
0.17	-0.49044	0.35	-0.04205
0.23	-0.49037	0.50	-0.25264
0.29	-0.50650	0.65	-0.21429
0.35	-0.53008	0.80	0.14938
0.41	-0.55115	0.95	0.16572
0.47	-0.56004		
0.53	-0.54873		
0.57	-0.55510		
0.65	-0.56749		
0.71	-0.57391		
0.77	-0.57830		
0.83	-0.57843		
0.89	-0.57064		
0.95	-0.56600		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.31792	0.02	0.24219
0.06	-0.23772	0.06	0.18649
0.11	-0.18499	0.11	0.10884
0.18	-0.15168	0.18	0.02497
0.25	-0.12705	0.25	-0.04168
0.32	-0.11981	0.32	-0.07697
0.39	-0.09643	0.39	-0.10995
0.46	-0.06813	0.46	-0.11476
0.53	-0.06347	0.53	-0.11259
0.60	-0.06006	0.60	-0.10109
0.67	-0.04214	0.67	-0.06697
0.74	-0.03087	0.74	-0.03972
0.81	-0.00784	0.81	-0.02509
0.88	-0.00456	0.88	-0.01894
0.95	0.01697	0.95	-0.00620

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
5	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.7782	15.32	-0.16	28.70 599.4	101.02 2109.8	67.71 1414.1	12.34 3.76	318.34 113.35

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.49401	0.05	0.70731
0.06	-0.49244	0.10	0.51224
0.11	-0.48300	0.20	0.29944
0.17	-0.49471	0.35	0.05819
0.23	-0.50521	0.50	-0.15717
0.29	-0.51186	0.65	-0.15499
0.35	-0.53343	0.80	0.17396
0.41	-0.54582	0.95	0.17518
0.47	-0.55097		
0.53	-0.55490		
0.57	-0.56021		
0.65	-0.57379		
0.71	-0.57612		
0.77	-0.58017		
0.83	-0.58193		
0.89	-0.58172		
0.95	-0.58458		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.37061	0.02	0.50449
0.06	-0.29401	0.06	0.31186
0.11	-0.25253	0.11	0.17185
0.18	-0.22365	0.18	0.04233
0.25	-0.21882	0.25	-0.06982
0.32	-0.19875	0.32	-0.12007
0.39	-0.19659	0.39	-0.16020
0.46	-0.17611	0.46	-0.16242
0.53	-0.14638	0.53	-0.16640
0.60	-0.13454	0.60	-0.15203
0.67	-0.13550	0.67	-0.10533
0.74	-0.11984	0.74	-0.06746
0.81	-0.11191	0.81	-0.04100
0.88	-0.09233	0.88	-0.02781
0.95	-0.08119	0.95	-0.00716

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
5	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.7778	17.49	-0.23	28.67 598.8	100.98 2109.1	67.71 1414.1	12.29 3.75	319.18 114.86

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.51530	0.05	0.76289
0.06	-0.49947	0.10	0.60021
0.11	-0.49229	0.20	0.38536
0.17	-0.51273	0.35	0.14565
0.23	-0.50598	0.50	-0.07913
0.29	-0.51095	0.65	-0.09962
0.35	-0.51273	0.80	0.19871
0.41	-0.52479	0.95	0.18250
0.47	-0.53661		
0.53	-0.53843		
0.57	-0.51364		
0.65	-0.54081		
0.71	-0.55104		
0.77	-0.55639		
0.83	-0.55853		
0.89	-0.54824		
0.95	-0.54570		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.34429	0.02	0.41098
0.06	-0.29455	0.06	0.30211
0.11	-0.27189	0.11	0.20458
0.18	-0.25084	0.18	0.09787
0.25	-0.24460	0.25	0.00923
0.32	-0.23457	0.32	-0.06384
0.39	-0.24126	0.39	-0.12585
0.46	-0.23461	0.46	-0.16560
0.53	-0.23084	0.53	-0.17253
0.60	-0.20061	0.60	-0.16463
0.67	-0.20533	0.67	-0.12936
0.74	-0.20355	0.74	-0.09719
0.81	-0.17912	0.81	-0.07212
0.88	-0.15956	0.88	-0.07011
0.95	-0.15340	0.95	-0.06501

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
5	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.7783	19.57	-0.07	28.69 599.3	100.98 2109.1	67.67 1413.3	12.29 3.75	319.20 114.89

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.51510	0.05	0.80924
0.06	-0.50696	0.10	0.64593
0.11	-0.50477	0.20	0.42744
0.17	-0.50441	0.35	0.19620
0.23	-0.51620	0.50	-0.01802
0.29	-0.53236	0.65	-0.04242
0.35	-0.52741	0.80	0.22375
0.41	-0.53377	0.95	0.20704
0.47	-0.54303		
0.53	-0.52927		
0.57	-0.52729		
0.65	-0.54512		
0.71	-0.54577		
0.77	-0.54024		
0.83	-0.54883		
0.89	-0.54461		
0.95	-0.53053		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.33802	0.02	0.48553
0.06	-0.31213	0.06	0.35443
0.11	-0.30370	0.11	0.24616
0.18	-0.28806	0.18	0.11562
0.25	-0.27261	0.25	0.01597
0.32	-0.26822	0.32	-0.05834
0.39	-0.25761	0.39	-0.13584
0.46	-0.24557	0.46	-0.17000
0.53	-0.24271	0.53	-0.17545
0.60	-0.23902	0.60	-0.18883
0.67	-0.23794	0.67	-0.16561
0.74	-0.23204	0.74	-0.14577
0.81	-0.24623	0.81	-0.13166
0.88	-0.22500	0.88	-0.15336
0.95	-0.21210	0.95	-0.17870

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
5	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.7799	21.71	-0.08	28.77 600.8	100.98 2109.1	67.57 1411.2	12.28 3.74	319.69 115.77

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.51605	0.05	0.86299
0.06	-0.50252	0.10	0.71187
0.11	-0.50564	0.20	0.51341
0.17	-0.49979	0.35	0.27435
0.23	-0.51338	0.50	0.05927
0.29	-0.51746	0.65	0.01969
0.35	-0.52976	0.80	0.25568
0.41	-0.53210	0.95	0.22411
0.47	-0.52952		
0.53	-0.55649		
0.57	-0.54897		
0.65	-0.54737		
0.71	-0.53697		
0.77	-0.54296		
0.83	-0.54088		
0.89	-0.54092		
0.95	-0.53095		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.45819	0.02	0.49301
0.06	-0.44014	0.06	0.39190
0.11	-0.42958	0.11	0.24961
0.18	-0.41683	0.18	0.13549
0.25	-0.37151	0.25	0.01782
0.32	-0.35423	0.32	-0.05952
0.39	-0.31922	0.39	-0.12309
0.46	-0.32229	0.46	-0.15800
0.53	-0.30600	0.53	-0.18149
0.60	-0.28901	0.60	-0.20466
0.67	-0.28324	0.67	-0.19058
0.74	-0.27702	0.74	-0.16270
0.81	-0.27275	0.81	-0.17933
0.88	-0.27146	0.88	-0.20306
0.95	-0.26102	0.95	-0.22809

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
5	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.7783	23.83	-0.07	28.69 599.3	100.98 2109.1	67.67 1413.3	12.26 3.74	319.88 116.11

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.53262	0.05	0.88765
0.06	-0.54841	0.10	0.76108
0.11	-0.54737	0.20	0.57050
0.17	-0.53121	0.35	0.33635
0.23	-0.53518	0.50	0.12880
0.29	-0.53293	0.65	0.06333
0.35	-0.54499	0.80	0.27116
0.41	-0.53541	0.95	0.23191
0.47	-0.54551		
0.53	-0.55129		
0.57	-0.55421		
0.65	-0.57090		
0.71	-0.56366		
0.77	-0.56048		
0.83	-0.56391		
0.89	-0.57627		
0.95	-0.55560		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.50997	0.02	0.49920
0.06	-0.49711	0.06	0.38262
0.11	-0.46980	0.11	0.25709
0.18	-0.47402	0.18	0.12880
0.25	-0.46067	0.25	0.03077
0.32	-0.47260	0.32	-0.04560
0.39	-0.45652	0.39	-0.11315
0.46	-0.39754	0.46	-0.16034
0.53	-0.36614	0.53	-0.20377
0.60	-0.33980	0.60	-0.20465
0.67	-0.32466	0.67	-0.20374
0.74	-0.31209	0.74	-0.19306
0.81	-0.30199	0.81	-0.17384
0.88	-0.29774	0.88	-0.21233
0.95	-0.28810	0.95	-0.25059

TABLE 3.3. (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
5	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.7820	26.02	-0.04	28.86 602.8	100.98 2109.1	67.43 1408.3	12.30 3.75	319.73 115.84

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.55514	0.05	0.91364
0.06	-0.54606	0.10	0.80948
0.11	-0.53880	0.20	0.63262
0.17	-0.54866	0.35	0.40329
0.23	-0.55388	0.50	0.19140
0.29	-0.55358	0.65	0.11862
0.35	-0.57691	0.80	0.30145
0.41	-0.58519	0.95	0.24825
0.47	-0.58823		
0.53	-0.57922		
0.57	-0.57576		
0.65	-0.56698		
0.71	-0.58663		
0.77	-0.60016		
0.83	-0.57552		
0.89	-0.56463		
0.95	-0.54836		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.56695	0.02	0.48332
0.06	-0.56355	0.06	0.38864
0.11	-0.64736	0.11	0.27378
0.18	-0.61928	0.18	0.13829
0.25	-0.67222	0.25	0.03241
0.32	-0.56628	0.32	-0.04682
0.39	-0.52249	0.39	-0.11036
0.46	-0.50646	0.46	-0.16664
0.53	-0.48267	0.53	-0.19511
0.60	-0.42571	0.60	-0.21154
0.67	-0.39917	0.67	-0.21176
0.74	-0.37665	0.74	-0.20157
0.81	-0.34722	0.81	-0.21941
0.88	-0.33862	0.88	-0.24515
0.95	-0.33138	0.95	-0.28472

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
5	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.7788	28.13	-0.06	28.72 599.8	100.98 2109.1	67.64 1412.6	12.24 3.73	320.31 116.88

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.60492	0.05	0.92080
0.06	-0.59088	0.10	0.84700
0.11	-0.57104	0.20	0.68409
0.17	-0.56825	0.35	0.46825
0.23	-0.57981	0.50	0.25718
0.29	-0.58423	0.65	0.17173
0.35	-0.57892	0.80	0.33286
0.41	-0.57519	0.95	0.25951
0.47	-0.57404		
0.53	-0.56732		
0.57	-0.58257		
0.65	-0.57289		
0.71	-0.55734		
0.77	-0.58004		
0.83	-0.58192		
0.89	-0.59238		
0.95	-0.58188		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.37517	0.02	0.48508
0.06	-0.38529	0.06	0.38739
0.11	-0.36454	0.11	0.27647
0.18	-0.38144	0.18	0.14790
0.25	-0.37260	0.25	0.05039
0.32	-0.37033	0.32	-0.01220
0.39	-0.36798	0.39	-0.08625
0.46	-0.39775	0.46	-0.12247
0.53	-0.51548	0.53	-0.16753
0.60	-0.37053	0.60	-0.21087
0.67	-0.36521	0.67	-0.21592
0.74	-0.37936	0.74	-0.20689
0.81	-0.36914	0.81	-0.21830
0.88	-0.36406	0.88	-0.26138
0.95	-0.35852	0.95	-0.31592

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
5	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.7773	-2.15	-0.01	28.65 598.3	100.98 2109.1	67.74 1414.8	12.29 3.74	319.17 114.83

WING

UPPER SURFACE

X/C	CP
0.02	-0.13515
0.06	-0.48658
0.11	-0.45245
0.17	-0.43095
0.23	-0.44081
0.29	-0.44800
0.35	-0.43377
0.41	-0.42797
0.47	-0.43276
0.53	-0.43870
0.57	-0.39061
0.65	-0.36570
0.71	-0.30089
0.77	-0.22644
0.83	-0.14811
0.89	-0.06448
0.95	0.04463

LOWER SURFACE

X/C	CP
0.05	-0.57532
0.10	-0.58355
0.20	-0.70819
0.35	-0.75774
0.50	-0.53119
0.65	-0.09147
0.80	0.10583
0.95	0.24245

HORIZ. TAIL

UPPER SURFACE

X/C	CP
0.02	0.73638
0.06	0.54217
0.11	0.40275
0.18	0.25142
0.25	0.14716
0.32	0.03502
0.39	-0.03936
0.46	-0.08236
0.53	-0.10567
0.60	-0.10369
0.67	-0.09170
0.74	-0.07496
0.81	-0.06472
0.88	-0.08190
0.95	-0.12654

LOWER SURFACE

X/C	CP
0.02	-0.74835
0.06	-0.76260
0.11	-0.75750
0.18	-0.73708
0.25	-0.70072
0.32	-0.66020
0.39	-0.60092
0.46	-0.54823
0.53	-0.50333
0.60	-0.45724
0.67	-0.41676
0.74	-0.37742
0.81	-0.32554
0.88	-0.28226
0.95	-0.24354

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
6	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8520	-6.57	-0.02	31.92 666.6	100.95 2108.4	62.81 1311.9	12.66 3.86	322.53 120.89

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.41208	0.05	-0.99916
0.06	0.04691	0.10	-1.02534
0.11	-0.02243	0.20	-1.00527
0.17	-0.11894	0.35	-0.47207
0.23	-0.17146	0.50	-0.42345
0.29	-0.22799	0.65	-0.37543
0.35	-0.27623	0.80	-0.34396
0.41	-0.30285	0.95	-0.30160
0.47	-0.35338		
0.53	-0.45659		
0.57	-0.43174		
0.65	-0.55057		
0.71	-0.59479		
0.77	-0.61944		
0.83	-0.63953		
0.89	-0.63925		
0.95	-0.47074		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.78706	0.02	-0.69147
0.06	0.64640	0.06	-0.65969
0.11	0.52276	0.11	-0.65481
0.18	0.38191	0.18	-0.55494
0.25	0.26645	0.25	-0.52058
0.32	0.14368	0.32	-0.51833
0.39	0.06285	0.39	-0.53083
0.46	0.00102	0.46	-0.51391
0.53	-0.04797	0.53	-0.51331
0.60	-0.07029	0.60	-0.50985
0.67	-0.07845	0.67	-0.49869
0.74	-0.08083	0.74	-0.47898
0.81	-0.07427	0.81	-0.46246
0.88	-0.11056	0.88	-0.43320
0.95	-0.20182	0.95	-0.40362

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
6	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.8528	-4.29	-0.02	31.96 667.5	100.98 2109.1	62.78 1311.2	12.70 3.87	322.03 119.98

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.16647	0.05	-0.79075
0.06	-0.18912	0.10	-0.74542
0.11	-0.21589	0.20	-0.86480
0.17	-0.29009	0.35	-0.89321
0.23	-0.33042	0.50	-0.32906
0.29	-0.37252	0.65	-0.27999
0.35	-0.39758	0.80	-0.24120
0.41	-0.39983	0.95	-0.16395
0.47	-0.44864		
0.53	-0.52268		
0.57	-0.50028		
0.65	-0.61844		
0.71	-0.67669		
0.77	-0.70411		
0.83	-0.47039		
0.89	-0.24797		
0.95	-0.17787		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.76587	0.02	-0.65699
0.06	0.59394	0.06	-0.65826
0.11	0.46238	0.11	-0.66842
0.18	0.31553	0.18	-0.66642
0.25	0.20374	0.25	-0.64200
0.32	0.08348	0.32	-0.60798
0.39	0.00328	0.39	-0.57318
0.46	-0.05469	0.46	-0.53363
0.53	-0.09252	0.53	-0.50175
0.60	-0.10465	0.60	-0.48307
0.67	-0.09658	0.67	-0.45631
0.74	-0.08669	0.74	-0.42103
0.81	-0.08265	0.81	-0.39297
0.88	-0.10638	0.88	-0.36044
0.95	-0.17930	0.95	-0.32840

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
6	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.8525	-2.04	-0.02	31.94 667.0	100.95 2108.4	62.78 1311.2	12.64 3.85	323.09 121.89

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.11231	0.05	-0.41862
0.06	-0.46785	0.10	-0.46017
0.11	-0.44835	0.20	-0.64957
0.17	-0.52479	0.35	-0.70380
0.23	-0.55631	0.50	-0.57724
0.29	-0.58927	0.65	-0.22457
0.35	-0.56885	0.80	-0.18872
0.41	-0.58469	0.95	-0.06091
0.47	-0.58403		
0.53	-0.65613		
0.57	-0.63935		
0.65	-0.73311		
0.71	-0.76019		
0.77	-0.35935		
0.83	-0.18139		
0.89	-0.09826		
0.95	-0.02302		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.75400	0.02	-0.66662
0.06	0.56240	0.06	-0.65750
0.11	0.42569	0.11	-0.66066
0.18	0.27542	0.18	-0.65361
0.25	0.16503	0.25	-0.63184
0.32	0.04293	0.32	-0.60288
0.39	-0.04853	0.39	-0.56612
0.46	-0.09583	0.46	-0.53252
0.53	-0.13009	0.53	-0.49735
0.60	-0.13246	0.60	-0.46059
0.67	-0.11712	0.67	-0.43112
0.74	-0.10162	0.74	-0.40103
0.81	-0.08756	0.81	-0.37184
0.88	-0.10272	0.88	-0.33348
0.95	-0.16024	0.95	-0.29299

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
6	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.8510	0.21	-0.01	31.87 665.7	100.95 2108.4	62.88 1313.2	12.65 3.86	322.68 121.15

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.40717	0.05	-0.18089
0.06	-0.68834	0.10	-0.30874
0.11	-0.75402	0.20	-0.45491
0.17	-0.77356	0.35	-0.59369
0.23	-0.79626	0.50	-0.75926
0.29	-0.77060	0.65	-0.22316
0.35	-0.77272	0.80	-0.14164
0.41	-0.78790	0.95	0.03961
0.47	-0.81803		
0.53	-0.83392		
0.57	-0.81174		
0.65	-0.47532		
0.71	-0.27992		
0.77	-0.19263		
0.83	-0.11751		
0.89	-0.02816		
0.95	0.04351		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.72084	0.02	-0.72224
0.06	0.51175	0.06	-0.72264
0.11	0.37226	0.11	-0.69022
0.18	0.21822	0.18	-0.64484
0.25	0.10896	0.25	-0.59965
0.32	-0.00607	0.32	-0.56431
0.39	-0.09000	0.39	-0.53253
0.46	-0.14013	0.46	-0.49214
0.53	-0.16871	0.53	-0.46063
0.60	-0.16319	0.60	-0.43115
0.67	-0.13845	0.67	-0.39677
0.74	-0.10576	0.74	-0.36410
0.81	-0.07759	0.81	-0.33419
0.88	-0.08428	0.88	-0.29428
0.95	-0.13010	0.95	-0.25665

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
6	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.8508	2.44	-0.01	31.87 665.7	100.98 2109.1	62.91 1313.9	12.61 3.85	323.41 122.47

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.60827	0.05	0.02920
0.06	-0.91255	0.10	-0.13348
0.11	-0.95092	0.20	-0.29328
0.17	-0.97435	0.35	-0.48457
0.23	-0.97532	0.50	-0.67429
0.29	-0.99185	0.65	-0.24307
0.35	-1.00862	0.80	-0.11077
0.41	-0.66087	0.95	0.07939
0.47	-0.45099		
0.53	-0.42365		
0.57	-0.40688		
0.65	-0.37732		
0.71	-0.34648		
0.77	-0.31462		
0.83	-0.27742		
0.89	-0.23945		
0.95	-0.19767		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.69802	0.02	-0.68375
0.06	0.47769	0.06	-0.70731
0.11	0.33322	0.11	-0.65625
0.18	0.18687	0.18	-0.63960
0.25	0.07142	0.25	-0.59873
0.32	-0.05054	0.32	-0.57902
0.39	-0.12654	0.39	-0.50965
0.46	-0.16336	0.46	-0.46713
0.53	-0.17878	0.53	-0.39495
0.60	-0.14651	0.60	-0.38496
0.67	-0.11670	0.67	-0.31399
0.74	-0.08412	0.74	-0.23083
0.81	-0.04643	0.81	-0.19887
0.88	-0.02946	0.88	-0.17424
0.95	-0.02682	0.95	-0.11560

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
6	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.8508	4.69	0.00	31.87 665.7	100.98 2109.1	62.91 1313.9	12.58 3.84	324.10 123.71

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.79854	0.05	0.19559
0.06	-1.09234	0.10	0.01760
0.11	-1.10185	0.20	-0.16275
0.17	-1.11126	0.35	-0.38025
0.23	-0.95858	0.50	-0.60688
0.29	-0.71714	0.65	-0.28229
0.35	-0.56863	0.80	-0.06686
0.41	-0.55189	0.95	0.14723
0.47	-0.53464		
0.53	-0.52912		
0.57	-0.50215		
0.65	-0.48304		
0.71	-0.45010		
0.77	-0.43276		
0.83	-0.40542		
0.89	-0.38453		
0.95	-0.34958		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.60208	0.02	-1.05830
0.06	0.44386	0.06	-0.89714
0.11	0.33200	0.11	-0.74252
0.18	0.18931	0.18	-0.62810
0.25	0.08907	0.25	-0.48543
0.32	-0.01085	0.32	-0.37039
0.39	-0.07812	0.39	-0.29101
0.46	-0.11447	0.46	-0.22168
0.53	-0.13273	0.53	-0.16587
0.60	-0.10208	0.60	-0.11007
0.67	-0.07434	0.67	-0.06578
0.74	-0.03749	0.74	-0.03330
0.81	0.00851	0.81	0.01443
0.88	0.03085	0.88	0.04899
0.95	0.04989	0.95	0.07987

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
6	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.8505	7.03	0.02	31.85 665.2	100.95 2108.4	62.91 1313.9	12.61 3.84	323.37 122.40

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.98025	0.05	0.32741
0.06	-1.20053	0.10	0.15643
0.11	-1.17569	0.20	-0.03858
0.17	-1.15022	0.35	-0.27012
0.23	-0.86626	0.50	-0.53644
0.29	-0.71774	0.65	-0.26093
0.35	-0.64665	0.80	0.08514
0.41	-0.61703	0.95	0.18129
0.47	-0.59424		
0.53	-0.56769		
0.57	-0.56160		
0.65	-0.54851		
0.71	-0.55586		
0.77	-0.53683		
0.83	-0.51816		
0.89	-0.50815		
0.95	-0.48644		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.34976	0.02	-0.57022
0.06	0.29379	0.06	-0.41463
0.11	0.21497	0.11	-0.37128
0.18	0.12754	0.18	-0.29553
0.25	0.06280	0.25	-0.25359
0.32	-0.00352	0.32	-0.23303
0.39	-0.04301	0.39	-0.19820
0.46	-0.06549	0.46	-0.16330
0.53	-0.06527	0.53	-0.12386
0.60	-0.05695	0.60	-0.08355
0.67	-0.03585	0.67	-0.04173
0.74	-0.00521	0.74	-0.00373
0.81	0.02238	0.81	0.03513
0.88	0.04415	0.88	0.06025
0.95	0.07050	0.95	0.08981

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
6	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.8548	9.30	-0.01	32.04 669.2	100.98 2109.1	62.65 1308.5	12.61 3.85	323.93 123.41

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.92152	0.05	0.47868
0.06	-0.66452	0.10	0.27080
0.11	-1.03944	0.20	0.06335
0.17	-1.28799	0.35	-0.16474
0.23	-1.18784	0.50	-0.45336
0.29	-0.85385	0.65	-0.21667
0.35	-0.60684	0.80	0.15359
0.41	-0.67388	0.95	0.21134
0.47	-0.55637		
0.53	-0.58951		
0.57	-0.60422		
0.65	-0.61127		
0.71	-0.56215		
0.77	-0.58052		
0.83	-0.58413		
0.89	-0.59055		
0.95	-0.59653		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.10461	0.02	-0.25457
0.06	0.18779	0.06	-0.24183
0.11	0.23344	0.11	-0.21463
0.18	0.14054	0.18	-0.21030
0.25	0.09734	0.25	-0.17904
0.32	0.04179	0.32	-0.15451
0.39	-0.00420	0.39	-0.14703
0.46	-0.02206	0.46	-0.11479
0.53	-0.02007	0.53	-0.08416
0.60	-0.01381	0.60	-0.06351
0.67	-0.00709	0.67	-0.02414
0.74	0.01216	0.74	0.00796
0.81	0.02603	0.81	0.02246
0.88	0.04068	0.88	0.04467
0.95	0.05692	0.95	0.07331

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
6	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.8510	11.25	-0.04	31.87 665.7	100.95 2108.4	62.88 1313.2	12.61 3.84	323.44 122.53

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.51161	0.05	0.55452
0.06	-0.49492	0.10	0.35344
0.11	-0.47939	0.20	0.14261
0.17	-0.49008	0.35	-0.10171
0.23	-0.50646	0.50	-0.36702
0.29	-0.50825	0.65	-0.21743
0.35	-0.50232	0.80	0.17688
0.41	-0.50856	0.95	0.21794
0.47	-0.52152		
0.53	-0.53187		
0.57	-0.55117		
0.65	-0.56155		
0.71	-0.58105		
0.77	-0.58035		
0.83	-0.59167		
0.89	-0.58169		
0.95	-0.58853		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.27310	0.02	0.36278
0.06	-0.19938	0.06	0.19642
0.11	-0.16427	0.11	0.02463
0.18	-0.12872	0.18	-0.05907
0.25	-0.10072	0.25	-0.10681
0.32	-0.09012	0.32	-0.10087
0.39	-0.06498	0.39	-0.13759
0.46	-0.06504	0.46	-0.12192
0.53	-0.05663	0.53	-0.10676
0.60	-0.04936	0.60	-0.06920
0.67	-0.04195	0.67	-0.03985
0.74	-0.02272	0.74	-0.01408
0.81	0.00046	0.81	0.01533
0.88	0.01635	0.88	0.02398
0.95	0.03905	0.95	0.03948

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
6	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.8505	13.36	0.00	31.85 665.2	100.95 2108.4	62.91 1313.9	12.58 3.84	323.95 123.44

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.47956	0.05	0.64935
0.06	-0.50055	0.10	0.46227
0.11	-0.49205	0.20	0.24287
0.17	-0.49904	0.35	-0.00680
0.23	-0.49451	0.50	-0.25461
0.29	-0.51819	0.65	-0.16900
0.35	-0.51014	0.80	0.21097
0.41	-0.50784	0.95	0.23929
0.47	-0.52049		
0.53	-0.55141		
0.57	-0.54408		
0.65	-0.55227		
0.71	-0.57759		
0.77	-0.56824		
0.83	-0.57819		
0.89	-0.58618		
0.95	-0.59594		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.31221	0.02	0.16553
0.06	-0.24398	0.06	0.13609
0.11	-0.21148	0.11	0.07143
0.18	-0.19261	0.18	0.01147
0.25	-0.17983	0.25	-0.02135
0.32	-0.14332	0.32	-0.05698
0.39	-0.12411	0.39	-0.11406
0.46	-0.11048	0.46	-0.11611
0.53	-0 12284	0.53	-0.12179
0.60	-0.08055	0.60	-0.10631
0.67	-0.08154	0.67	-0.07737
0.74	-0.07308	0.74	-0.05572
0.81	-0.07154	0.81	-0.05017
0.88	-0.05800	0.88	-0.04509
0.95	-0.04569	0.95	-0.03733

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
6	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.8505	15.48	-0.04	31.85 665.2	100.95 2108.4	62.91 1313.9	12.58 3.83	324.12 123.75

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.50990	0.05	0.71875
0.06	-0.49215	0.10	0.52291
0.11	-0.47916	0.20	0.31887
0.17	-0.49564	0.35	0.07862
0.23	-0.48443	0.50	-0.14853
0.29	-0.49694	0.65	-0.11792
0.35	-0.49543	0.80	0.22770
0.41	-0.50674	0.95	0.25506
0.47	-0.51618		
0.53	-0.51031		
0.57	-0.51341		
0.65	-0.53543		
0.71	-0.54595		
0.77	-0.55427		
0.83	-0.56932		
0.89	-0.54008		
0.95	-0.54969		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.33068	0.02	0.26919
0.06	-0.29701	0.06	0.20713
0.11	-0.26914	0.11	0.12747
0.18	-0.23238	0.18	0.03888
0.25	-0.23071	0.25	-0.07789
0.32	-0.22437	0.32	-0.16371
0.39	-0.22420	0.39	-0.14644
0.46	-0.23029	0.46	-0.17379
0.53	-0.20869	0.53	-0.17605
0.60	-0.19758	0.60	-0.17431
0.67	-0.19006	0.67	-0.15211
0.74	-0.17982	0.74	-0.11664
0.81	-0.16866	0.81	-0.10703
0.88	-0.14711	0.88	-0.10458
0.95	-0.12397	0.95	-0.10891

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
6	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.8522	17.67	-0.13	31.91 666.5	100.92 2107.7	62.78 1311.2	12.61 3.84	323.54 122.70

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.48078	0.05	0.79584
0.06	-0.50079	0.10	0.61484
0.11	-0.51224	0.20	0.40502
0.17	-0.49541	0.35	0.17192
0.23	-0.49622	0.50	-0.05442
0.29	-0.48095	0.65	-0.04727
0.35	-0.49750	0.80	0.26159
0.41	-0.51243	0.95	0.27332
0.47	-0.51766		
0.53	-0.50294		
0.57	-0.49664		
0.65	-0.50556		
0.71	-0.51882		
0.77	-0.51555		
0.83	-0.52809		
0.89	-0.51966		
0.95	-0.51285		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.34368	0.02	0.37363
0.06	-0.30375	0.06	0.28649
0.11	-0.26482	0.11	0.17423
0.18	-0.26509	0.18	0.04284
0.25	-0.26260	0.25	-0.05226
0.32	-0.25981	0.32	-0.12921
0.39	-0.26133	0.39	-0.15265
0.46	-0.25075	0.46	-0.19900
0.53	-0.25251	0.53	-0.21746
0.60	-0.24795	0.60	-0.23291
0.67	-0.24223	0.67	-0.19817
0.74	-0.23311	0.74	-0.17219
0.81	-0.22204	0.81	-0.15704
0.88	-0.21459	0.88	-0.16491
0.95	-0.20056	0.95	-0.17511

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
7	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.6003	-6.17	-0.01	19.96 416.9	100.95 2108.4	79.12 1652.5	10.91 3.32	309.20 96.89

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.53067	0.05	-1.72002
0.06	0.15708	0.10	-1.01378
0.11	0.02981	0.20	-0.85306
0.17	-0.06274	0.35	-0.68545
0.23	-0.09210	0.50	-0.54311
0.29	-0.13925	0.65	-0.15534
0.35	-0.15206	0.80	0.08129
0.41	-0.17532	0.95	0.18263
0.47	-0.20142		
0.53	-0.23937		
0.57	-0.21593		
0.65	-0.23619		
0.71	-0.21026		
0.77	-0.17532		
0.83	-0.13557		
0.89	-0.08147		
0.95	0.00119		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.91778	0.02	0.40815
0.06	-0.61538	0.06	0.20647
0.11	-0.48422	0.11	0.07860
0.18	-0.47487	0.18	-0.02360
0.25	-0.44927	0.25	-0.08311
0.32	-0.44812	0.32	-0.12855
0.39	-0.40362	0.39	-0.15440
0.46	-0.34175	0.46	-0.14769
0.53	-0.27630	0.53	-0.13156
0.60	-0.19856	0.60	-0.10255
0.67	-0.12339	0.67	-0.04949
0.74	-0.05234	0.74	-0.00283
0.81	0.01231	0.81	0.03453
0.88	0.07611	0.88	0.06805
0.95	0.14623	0.95	0.12369

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
7	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.6013	-3.93	-0.01	20.02 418.1	100.98 2109.1	79.09 1651.8	10.91 3.33	309.46 97.36

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.19406	0.05	-0.92296
0.06	-0.11216	0.10	-0.74030
0.11	-0.18455	0.20	-0.65769
0.17	-0.20241	0.35	-0.57140
0.23	-0.22683	0.50	-0.50135
0.29	-0.26379	0.65	-0.14265
0.35	-0.26573	0.80	0.13731
0.41	-0.27158	0.95	0.24269
0.47	-0.28043		
0.53	-0.30805		
0.57	-0.27423		
0.65	-0.28343		
0.71	-0.25073		
0.77	-0.20960		
0.83	-0.16491		
0.89	-0.08943		
0.95	-0.00378		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.22253	0.02	0.49921
0.06	-0.64178	0.06	0.28758
0.11	-0.57839	0.11	0.14267
0.18	-0.53801	0.18	0.03143
0.25	-0.49695	0.25	-0.04090
0.32	-0.48784	0.32	-0.09600
0.39	-0.42136	0.39	-0.12142
0.46	-0.35145	0.46	-0.12078
0.53	-0.28210	0.53	-0.11398
0.60	-0.20207	0.60	-0.09143
0.67	-0.12508	0.67	-0.03958
0.74	-0.05039	0.74	0.00728
0.81	0.01735	0.81	0.04116
0.88	0.07884	0.88	0.07182
0.95	0.14803	0.95	0.12089

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
7	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.5997	-1.70	-0.01	19.93 416.3	100.98 2109.1	79.19 1653.9	10.86 3.31	310.12 98.54

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.21956	0.05	-0.49919
0.06	-0.39590	0.10	-0.48593
0.11	-0.40658	0.20	-0.48779
0.17	-0.40699	0.35	-0.47134
0.23	-0.40392	0.50	-0.43454
0.29	-0.40389	0.65	-0.12623
0.35	-0.38684	0.80	0.16299
0.41	-0.37551	0.95	0.26247
0.47	-0.38074		
0.53	-0.39289		
0.57	-0.34444		
0.65	-0.33913		
0.71	-0.29984		
0.77	-0.24252		
0.83	-0.18276		
0.89	-0.11576		
0.95	-0.01997		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.51718	0.02	0.56530
0.06	-0.74910	0.06	0.34654
0.11	-0.67972	0.11	0.19643
0.18	-0.60787	0.18	0.06947
0.25	-0.55195	0.25	-0.00994
0.32	-0.52301	0.32	-0.06397
0.39	-0.47082	0.39	-0.10165
0.46	-0.39155	0.46	-0.10718
0.53	-0.31363	0.53	-0.10323
0.60	-0.21653	0.60	-0.07713
0.67	-0.13759	0.67	-0.03467
0.74	-0.06464	0.74	0.00491
0.81	0.01303	0.81	0.03635
0.88	0.07673	0.88	0.06593
0.95	0.14239	0.95	0.10996

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
7	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.6008	0.49	-0.01	19.99 417.5	100.98 2109.1	79.12 1652.5	10.86 3.31	310.42 99.08

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.73092	0.05	-0.15399
0.06	-0.79029	0.10	-0.25109
0.11	-0.66620	0.20	-0.31230
0.17	-0.60729	0.35	-0.36088
0.23	-0.55928	0.50	-0.35401
0.29	-0.52338	0.65	-0.09491
0.35	-0.50036	0.80	0.19739
0.41	-0.47584	0.95	0.28835
0.47	-0.46365		
0.53	-0.46695		
0.57	-0.41202		
0.65	-0.38423		
0.71	-0.33362		
0.77	-0.26876		
0.83	-0.20237		
0.89	-0.12345		
0.95	-0.02278		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.83359	0.02	0.62826
0.06	-1.01001	0.06	0.40011
0.11	-0.77198	0.11	0.24475
0.18	-0.67010	0.18	0.11487
0.25	-0.59983	0.25	0.02772
0.32	-0.56009	0.32	-0.03286
0.39	-0.47630	0.39	-0.07867
0.46	-0.39008	0.46	-0.09026
0.53	-0.30915	0.53	-0.09259
0.60	-0.21567	0.60	-0.06531
0.67	-0.13680	0.67	-0.02843
0.74	-0.06022	0.74	0.00962
0.81	0.01232	0.81	0.04023
0.88	0.07368	0.88	0.06429
0.95	0.13491	0.95	0.10838

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
7	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.6003	2.72	-0.01	19.96 416.9	100.95 2108.4	79.12 1652.5	10.84 3.30	310.60 99.41

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.52558	0.05	0.11970
0.06	-1.26157	0.10	-0.03562
0.11	-0.90264	0.20	-0.16439
0.17	-0.82843	0.35	-0.25329
0.23	-0.71931	0.50	-0.29253
0.29	-0.64517	0.65	-0.08945
0.35	-0.62036	0.80	0.21294
0.41	-0.56942	0.95	0.29978
0.47	-0.54152		
0.53	-0.52436		
0.57	-0.46850		
0.65	-0.42248		
0.71	-0.36011		
0.77	-0.28930		
0.83	-0.21249		
0.89	-0.12661		
0.95	-0.02783		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.91429	0.02	0.66599
0.06	-1.35583	0.06	0.44329
0.11	-0.88258	0.11	0.27924
0.18	-0.70399	0.18	0.14494
0.25	-0.62005	0.25	0.05097
0.32	-0.56693	0.32	-0.01521
0.39	-0.49759	0.39	-0.06104
0.46	-0.41154	0.46	-0.07713
0.53	-0.32484	0.53	-0.08142
0.60	-0.22028	0.60	-0.05502
0.67	-0.13675	0.67	-0.02184
0.74	-0.05935	0.74	0.01165
0.81	0.00459	0.81	0.03690
0.88	0.06643	0.88	0.05231
0.95	0.12980	0.95	0.08974

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
7	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.5997	4.98	-0.01	19.93 416.3	100.98 2109.1	79.19 1653.9	10.84 3.30	310.53 99.28

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-2.24814	0.05	0.32894
0.06	-2.12751	0.10	0.12388
0.11	-1.08878	0.20	-0.02669
0.17	-0.97369	0.35	-0.16135
0.23	-0.87136	0.50	-0.22898
0.29	-0.78836	0.65	-0.06947
0.35	-0.71135	0.80	0.22926
0.41	-0.64607	0.95	0.29761
0.47	-0.60375		
0.53	-0.56187		
0.57	-0.50501		
0.65	-0.44599		
0.71	-0.37174		
0.77	-0.28941		
0.83	-0.20398		
0.89	-0.11880		
0.95	-0.02903		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.75569	0.02	0.69238
0.06	-1.67960	0.06	0.48023
0.11	-1.28178	0.11	0.30968
0.18	-0.87359	0.18	0.15836
0.25	-0.68184	0.25	0.06190
0.32	-0.60308	0.32	-0.00320
0.39	-0.53298	0.39	-0.05196
0.46	-0.43849	0.46	-0.06914
0.53	-0.35133	0.53	-0.07744
0.60	-0.25048	0.60	-0.06942
0.67	-0.16808	0.67	-0.03772
0.74	-0.08683	0.74	-0.00489
0.81	-0.02777	0.81	0.02350
0.88	0.03524	0.88	0.03862
0.95	0.10086	0.95	0.06032

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
7	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.6003	7.15	-0.01	19.96 416.9	100.95 2108.4	79.12 1652.5	10.82 3.30	311.09 100.29

WING

UPPER SURFACE

X/C	CP
0.02	-2.44898
0.06	-2.31067
0.11	-1.88029
0.17	-1.46994
0.23	-1.16213
0.29	-0.91835
0.35	-0.77594
0.41	-0.68300
0.47	-0.61354
0.53	-0.55220
0.57	-0.48308
0.65	-0.39505
0.71	-0.34621
0.77	-0.27516
0.83	-0.21035
0.89	-0.14391
0.95	-0.08391

LOWER SURFACE

X/C	CP
0.05	0.49495
0.10	0.26878
0.20	0.08356
0.35	-0.07685
0.50	-0.17171
0.65	-0.06058
0.80	0.23460
0.95	0.29743

HORIZ. TAIL

UPPER SURFACE

X/C	CP
0.02	-1.71512
0.06	-1.64294
0.11	-1.44365
0.18	-1.11423
0.25	-0.80795
0.32	-0.62090
0.39	-0.50967
0.46	-0.41577
0.53	-0.32679
0.60	-0.24272
0.67	-0.16488
0.74	-0.09492
0.81	-0.03103
0.88	0.02336
0.95	0.07428

LOWER SURFACE

X/C	CP
0.02	0.70151
0.06	0.47905
0.11	0.30802
0.18	0.15319
0.25	0.05767
0.32	-0.00589
0.39	-0.05080
0.46	-0.06325
0.53	-0.07016
0.60	-0.05649
0.67	-0.02527
0.74	0.00085
0.81	0.01906
0.88	0.01664
0.95	0.00557

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
7	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.6003	9.18	-0.02	19.96 416.9	100.95 2108.4	79.12 1652.5	10.80 3.29	311.44 100.93

WING

UPPER SURFACE

X/C	CP
0.02	-1.18695
0.06	-1.29667
0.11	-1.19668
0.17	-1.08675
0.23	-1.02953
0.29	-0.94315
0.35	-0.82936
0.41	-0.77005
0.47	-0.73643
0.53	-0.65173
0.57	-0.61816
0.65	-0.55347
0.71	-0.51734
0.77	-0.47727
0.83	-0.45380
0.89	-0.44093
0.95	-0.38367

LOWER SURFACE

X/C	CP
0.05	0.54361
0.10	0.32662
0.20	0.12320
0.35	-0.06546
0.50	-0.19158
0.65	-0.12819
0.80	0.16684
0.95	0.18802

HORIZ. TAIL

UPPER SURFACE

X/C	CP
0.02	-1.87601
0.06	-1.23738
0.11	-0.96857
0.18	-0.76970
0.25	-0.65280
0.32	-0.56652
0.39	-0.48014
0.46	-0.41531
0.53	-0.33639
0.60	-0.26933
0.67	-0.21412
0.74	-0.16346
0.81	-0.09405
0.88	-0.04724
0.95	-0.01294

LOWER SURFACE

X/C	CP
0.02	0.32830
0.06	0.32290
0.11	0.24900
0.18	0.20252
0.25	0.17901
0.32	0.12846
0.39	0.10304
0.46	0.08151
0.53	0.05304
0.60	0.05819
0.67	0.05765
0.74	0.05337
0.81	0.04976
0.88	0.04218
0.95	0.03048

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
7	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.6002	11.11	-0.04	19.96 416.9	100.98 2109.1	79.16 1653.2	10.78 3.29	311.91 101.77

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.64694	0.05	0.55815
0.06	-0.58369	0.10	0.35017
0.11	-0.74604	0.20	0.14175
0.17	-0.57927	0.35	-0.05096
0.23	-0.60810	0.50	-0.21330
0.29	-0.58538	0.65	-0.18134
0.35	-0.62775	0.80	0.11762
0.41	-0.65562	0.95	0.10762
0.47	-0.66336		
0.53	-0.62741		
0.57	-0.66399		
0.65	-0.61025		
0.71	-0.60250		
0.77	-0.60642		
0.83	-0.60420		
0.89	-0.55267		
0.95	-0.52542		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.07283	0.02	0.30308
0.06	-0.98398	0.06	0.48363
0.11	-0.85461	0.11	0.43330
0.18	-0.72370	0.18	0.36643
0.25	-0.64190	0.25	0.34512
0.32	-0.55110	0.32	0.29661
0.39	-0.47658	0.39	0.23601
0.46	-0.40057	0.46	0.19141
0.53	-0.33565	0.53	0.14672
0.60	-0.34662	0.60	0.12761
0.67	-0.25698	0.67	0.11067
0.74	-0.19750	0.74	0.10206
0.81	-0.19445	0.81	0.07781
0.88	-0.15021	0.88	0.04749
0.95	-0.12053	0.95	-0.00418

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
7	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.6013	-1.69	-0.01	20.02 418.1	100.98 2109.1	79.09 1651.8	10.83 3.30	311.26 100.59

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.14090	0.05	-0.53283
0.06	-0.40127	0.10	-0.51231
0.11	-0.42236	0.20	-0.50503
0.17	-0.37758	0.35	-0.48177
0.23	-0.38531	0.50	-0.43709
0.29	-0.38465	0.65	-0.12492
0.35	-0.39463	0.80	0.16282
0.41	-0.37932	0.95	0.25688
0.47	-0.37063		
0.53	-0.38160		
0.57	-0.33975		
0.65	-0.33526		
0.71	-0.29902		
0.77	-0.24497		
0.83	-0.18741		
0.89	-0.11784		
0.95	-0.02083		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.51419	0.02	0.56028
0.06	-0.74913	0.06	0.34391
0.11	-0.65865	0.11	0.18768
0.18	-0.59989	0.18	0.06448
0.25	-0.54394	0.25	-0.01451
0.32	-0.51648	0.32	-0.07026
0.39	-0.45548	0.39	-0.10346
0.46	-0.37799	0.46	-0.10929
0.53	-0.30055	0.53	-0.10431
0.60	-0.21177	0.60	-0.07471
0.67	-0.13157	0.67	-0.03280
0.74	-0.05491	0.74	0.00929
0.81	0.01167	0.81	0.04261
0.88	0.07539	0.88	0.06734
0.95	0.14333	0.95	0.11310

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
8	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7808	-6.33	-0.02	28.76 600.6	100.81 2105.5	67.40 1407.6	12.18 3.71	321.43 118.90

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.44259	0.05	-1.31425
0.06	0.10159	0.10	-1.27956
0.11	-0.01409	0.20	-1.30390
0.17	-0.09649	0.35	-0.69550
0.23	-0.14009	0.50	-0.50213
0.29	-0.19230	0.65	-0.31904
0.35	-0.24306	0.80	-0.15899
0.41	-0.26937	0.95	-0.01317
0.47	-0.32206		
0.53	-0.37330		
0.57	-0.34342		
0.65	-0.38077		
0.71	-0.35673		
0.77	-0.30790		
0.83	-0.27291		
0.89	-0.22346		
0.95	-0.16307		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.04897	0.02	0.41958
0.06	-0.79627	0.06	0.22645
0.11	-0.53452	0.11	0.09325
0.18	-0.56421	0.18	-0.02788
0.25	-0.54373	0.25	-0.09575
0.32	-0.54710	0.32	-0.14105
0.39	-0.47296	0.39	-0.17491
0.46	-0.37823	0.46	-0.17351
0.53	-0.28968	0.53	-0.15876
0.60	-0.19312	0.60	-0.11073
0.67	-0.10527	0.67	-0.05072
0.74	-0.02410	0.74	0.00601
0.81	0.04783	0.81	0.04900
0.88	0.11189	0.88	0.08917
0.95	0.18142	0.95	0.14719

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
8	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.7795	-4.11	-0.02	28.71 599.7	100.85 2106.2	67.50 1409.8	12.17 3.71	321.69 119.37

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.20800	0.05	-1.08003
0.06	-0.11596	0.10	-0.97154
0.11	-0.19095	0.20	-0.90980
0.17	-0.25621	0.35	-0.92702
0.23	-0.27440	0.50	-0.41416
0.29	-0.30751	0.65	-0.12521
0.35	-0.32995	0.80	-0.02725
0.41	-0.33986	0.95	0.14106
0.47	-0.36510		
0.53	-0.40299		
0.57	-0.35675		
0.65	-0.35999		
0.71	-0.29506		
0.77	-0.22676		
0.83	-0.15612		
0.89	-0.07708		
0.95	0.02466		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.31722	0.02	0.51393
0.06	-1.21859	0.06	0.30294
0.11	-0.67926	0.11	0.15956
0.18	-0.72751	0.18	0.03783
0.25	-0.68427	0.25	-0.04611
0.32	-0.61494	0.32	-0.10271
0.39	-0.49837	0.39	-0.14501
0.46	-0.39283	0.46	-0.14904
0.53	-0.29520	0.53	-0.14265
0.60	-0.18246	0.60	-0.09802
0.67	-0.09237	0.67	-0.04032
0.74	-0.01099	0.74	0.01254
0.81	0.05468	0.81	0.05492
0.88	0.11781	0.88	0.08956
0.95	0.18503	0.95	0.14226

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
8	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.7797	-1.60	-0.02	28.71 599.7	100.81 2105.5	67.47 1409.1	12.15 3.70	321.99 119.91

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.18004	0.05	-0.50402
0.06	-0.44395	0.10	-0.53101
0.11	-0.48427	0.20	-0.65185
0.17	-0.49982	0.35	-0.73122
0.23	-0.49789	0.50	-0.52589
0.29	-0.49844	0.65	-0.07955
0.35	-0.48725	0.80	0.13505
0.41	-0.48145	0.95	0.25187
0.47	-0.48799		
0.53	-0.49470		
0.57	-0.43353		
0.65	-0.40343		
0.71	-0.32201		
0.77	-0.23860		
0.83	-0.15439		
0.89	-0.06646		
0.95	0.04708		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.43312	0.02	0.55982
0.06	-1.31906	0.06	0.34734
0.11	-1.25369	0.11	0.20240
0.18	-0.72977	0.18	0.06546
0.25	-0.81946	0.25	-0.01681
0.32	-0.68406	0.32	-0.07772
0.39	-0.47771	0.39	-0.12464
0.46	-0.38283	0.46	-0.13303
0.53	-0.29052	0.53	-0.12837
0.60	-0.18376	0.60	-0.10160
0.67	-0.09668	0.67	-0.04667
0.74	-0.01639	0.74	0.00714
0.81	0.04907	0.81	0.03994
0.88	0.11134	0.88	0.07185
0.95	0.17317	0.95	0.12172

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
8	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.7806	0.66	-0.02	28.76 600.7	100.85 2106.2	67.43 1408.4	12.16 3.71	321.93 119.81

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.62369	0.05	-0.17896
0.06	-0.90938	0.10	-0.28683
0.11	-0.95227	0.20	-0.41428
0.17	-0.86281	0.35	-0.52591
0.23	-0.78572	0.50	-0.51988
0.29	-0.78951	0.65	-0.08552
0.35	-0.66825	0.80	0.18672
0.41	-0.60429	0.95	0.29144
0.47	-0.56666		
0.53	-0.57470		
0.57	-0.48945		
0.65	-0.43231		
0.71	-0.34468		
0.77	-0.25396		
0.83	-0.16476		
0.89	-0.07174		
0.95	0.03385		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.48965	0.02	0.60317
0.06	-1.42118	0.06	0.38627
0.11	-1.32740	0.11	0.23149
0.18	-1.01421	0.18	0.09662
0.25	-0.84534	0.25	-0.00010
0.32	-0.80604	0.32	-0.06742
0.39	-0.45899	0.39	-0.11770
0.46	-0.37878	0.46	-0.13053
0.53	-0.29888	0.53	-0.12960
0.60	-0.19958	0.60	-0.10440
0.67	-0.10965	0.67	-0.05467
0.74	-0.02295	0.74	-0.00828
0.81	0.04146	0.81	0.03207
0.88	0.10340	0.88	0.05610
0.95	0.15953	0.95	0.10257

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
8	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.7818	3.12	-0.01	28.83 602.2	100.92 2107.7	67.40 1407.6	12.33 3.76	318.91 114.36

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.92050	0.05	0.09254
0.06	-1.20408	0.10	-0.07384
0.11	-1.23125	0.20	-0.22180
0.17	-1.21700	0.35	-0.35362
0.23	-1.22167	0.50	-0.40803
0.29	-1.19640	0.65	-0.07807
0.35	-1.20373	0.80	0.22911
0.41	-1.14344	0.95	0.32497
0.47	-0.85608		
0.53	-0.47599		
0.57	-0.41275		
0.65	-0.33086		
0.71	-0.26979		
0.77	-0.20097		
0.83	-0.13224		
0.89	-0.05196		
0.95	0.03662		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.53327	0.02	0.61932
0.06	-1.48483	0.06	0.40431
0.11	-1.39246	0.11	0.24594
0.18	-1.26936	0.18	0.10813
0.25	-0.78515	0.25	0.01466
0.32	-0.57756	0.32	-0.05071
0.39	-0.48902	0.39	-0.10805
0.46	-0.42432	0.46	-0.12158
0.53	-0.33597	0.53	-0.12504
0.60	-0.24396	0.60	-0.09664
0.67	-0.14357	0.67	-0.05006
0.74	-0.08764	0.74	-0.00819
0.81	-0.00797	0.81	0.02102
0.88	0.06862	0.88	0.03639
0.95	0.12481	0.95	0.06612

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
8	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.7804	5.19	0.00	28.76 600.7	100.88 2107.0	67.47 1409.1	12.32 3.75	318.83 114.22

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.11186	0.05	0.25528
0.06	-1.36111	0.10	0.04991
0.11	-1.38671	0.20	-0.11476
0.17	-1.37504	0.35	-0.29118
0.23	-1.29133	0.50	-0.40594
0.29	-0.99525	0.65	-0.15173
0.35	-0.76111	0.80	0.18384
0.41	-0.73862	0.95	0.23152
0.47	-0.67754		
0.53	-0.62940		
0.57	-0.57827		
0.65	-0.49850		
0.71	-0.43381		
0.77	-0.37678		
0.83	-0.33663		
0.89	-0.26401		
0.95	-0.22474		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.51210	0.02	0.46384
0.06	-1.47872	0.06	0.30236
0.11	-1.38880	0.11	0.18525
0.18	-1.27981	0.18	0.09783
0.25	-0.83220	0.25	0.05422
0.32	-0.51474	0.32	0.01483
0.39	-0.43985	0.39	-0.01894
0.46	-0.36245	0.46	-0.03827
0.53	-0.28329	0.53	-0.03585
0.60	-0.19409	0.60	-0.01894
0.67	-0.11799	0.67	0.00502
0.74	-0.05649	0.74	0.03117
0.81	-0.00338	0.81	0.04477
0.88	0.04886	0.88	0.05422
0.95	0.10144	0.95	0.07693

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
8	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.7804	7.33	0.00	28.76 600.7	100.88 2107.0	67.47 1409.1	12.31 3.75	318.88 114.32

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.22089	0.05	0.37347
0.06	-1.32371	0.10	0.17287
0.11	-1.17383	0.20	-0.01634
0.17	-0.95757	0.35	-0.20809
0.23	-0.97887	0.50	-0.37626
0.29	-0.81524	0.65	-0.19200
0.35	-0.78613	0.80	0.17208
0.41	-0.72453	0.95	0.21032
0.47	-0.70732		
0.53	-0.65703		
0.57	-0.61113		
0.65	-0.57201		
0.71	-0.54677		
0.77	-0.51138		
0.83	-0.47569		
0.89	-0.47373		
0.95	-0.42760		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.42233	0.02	0.37439
0.06	-1.24224	0.06	0.33462
0.11	-1.01647	0.11	.28002
0.18	-0.74938	0.18	0.21078
0.25	-0.61529	0.25	0.17718
0.32	-0.54694	0.32	0.13260
0.39	-0.47047	0.39	0.09141
0.46	-0.38803	0.46	0.06716
0.53	-0.31207	0.53	0.04475
0.60	-0.24135	0.60	0.04367
0.67	-0.17187	0.67	0.04474
0.74	-0.09297	0.74	0.05106
0.81	-0.09084	0.81	0.05022
0.88	-0.03439	0.88	0.03376
0.95	0.02209	0.95	0.02279

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
8	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.7802	9.38	-0.03	28.77 600.8	100.92 2107.7	67.50 1409.8	12.26 3.74	319.99 116.31

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.61591	0.05	0.47624
0.06	-0.59833	0.10	0.26033
0.11	-0.60677	0.20	0.05663
0.17	-0.58870	0.35	-0.16141
0.23	-0.59278	0.50	-0.35359
0.29	-0.57358	0.65	-0.22127
0.35	-0.57568	0.80	0.15035
0.41	-0.58769	0.95	0.17867
0.47	-0.58565		
0.53	-0.58173		
0.57	-0.57659		
0.65	-0.57219		
0.71	-0.59661		
0.77	-0.58653		
0.83	-0.56987		
0.89	-0.55870		
0.95	-0.52523		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.81195	0.02	0.30035
0.06	-0.71908	0.06	0.38116
0.11	-0.67430	0.11	0.40265
0.18	-0.61684	0.18	0.34293
0.25	-0.52916	0.25	0.33026
0.32	-0.46381	0.32	0.29612
0.39	-0.46824	0.39	0.21751
0.46	-0.41605	0.46	0.17967
0.53	-0.36007	0.53	0.14380
0.60	-0.28104	0.60	0.10216
0.67	-0.25690	0.67	0.10029
0.74	-0.22222	0.74	0.08984
0.81	-0.19871	0.81	0.07548
0.88	-0.17408	0.88	0.05570
0.95	-0.13890	0.95	-0.00476

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
8	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.7797	11.38	0.03	28.74 600.3	100.92 2107.7	67.54 1410.5	12.27 3.74	319.69 115.77

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.48592	0.05	0.53798
0.06	-0.48402	0.10	0.32992
0.11	-0.49202	0.20	0.11924
0.17	-0.47962	0.35	-0.10614
0.23	-0.48913	0.50	-0.31644
0.29	-0.50926	0.65	-0.23871
0.35	-0.50016	0.80	0.13993
0.41	-0.51190	0.95	0.16244
0.47	-0.51765		
0.53	-0.53611		
0.57	-0.53978		
0.65	-0.55260		
0.71	-0.55736		
0.77	-0.57857		
0.83	-0.59268		
0.89	-0.59191		
0.95	-0.58415		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.45884	0.02	0.51549
0.06	-0.43245	0.06	0.65875
0.11	-0.43307	0.11	0.64728
0.18	-0.40141	0.18	0.60475
0.25	-0.39598	0.25	0.52744
0.32	-0.38204	0.32	0.44931
0.39	-0.35706	0.39	0.35553
0.46	-0.33233	0.46	0.30353
0.53	-0.32355	0.53	0.24431
0.60	-0.31247	0.60	0.19298
0.67	-0.29539	0.67	0.15394
0.74	-0.27695	0.74	0.12890
0.81	-0.24337	0.81	0.09010
0.88	-0.23615	0.88	0.02733
0.95	-0.21986	0.95	-0.06001

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
8	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.7797	-1.68	-0.01	28.74 600.3	100.92 2107.7	67.54 1410.5	12.29 3.75	319.24 114.96

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.14749	0.05	-0.55418
0.06	-0.42636	0.10	-0.56160
0.11	-0.46347	0.20	-0.67796
0.17	-0.45084	0.35	-0.76166
0.23	-0.45419	0.50	-0.51780
0.29	-0.48162	0.65	-0.08085
0.35	-0.48046	0.80	0.12093
0.41	-0.49662	0.95	0.24412
0.47	-0.47464		
0.53	-0.49025		
0.57	-0.42891		
0.65	-0.39742		
0.71	-0.32657		
0.77	-0.24155		
0.83	-0.15761		
0.89	-0.07078		
0.95	0.04224		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.43620	0.02	0.55756
0.06	-1.31217	0.06	0.34790
0.11	-1.23360	0.11	0.19820
0.18	-0.75093	0.18	0.07004
0.25	-0.81593	0.25	-0.01824
0.32	-0.73584	0.32	-0.08341
0.39	-0.47952	0.39	-0.13094
0.46	-0.38091	0.46	-0.13929
0.53	-0.28786	0.53	-0.13016
0.60	-0.18667	0.60	-0.09946
0.67	-0.09569	0.67	-0.04050
0.74	-0.01363	0.74	0.01299
0.81	0.05291	0.81	0.05150
0.88	0.11409	0.88	0.07922
0.95	0.17478	0.95	0.12632

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
9	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8488	-6.18	-0.01	31.76 663.4	100.88 2107.0	62.98 1315.3	12.47 3.80	325.93 127.01

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.38476	0.05	-1.00564
0.06	0.05873	0.10	-1.02474
0.11	-0.03965	0.20	-1.04217
0.17	-0.14070	0.35	-0.48360
0.23	-0.18120	0.50	-0.43138
0.29	-0.23822	0.65	-0.39006
0.35	-0.28162	0.80	-0.35409
0.41	-0.29819	0.95	-0.31528
0.47	-0.36081		
0.53	-0.47387		
0.57	-0.44364		
0.65	-0.56631		
0.71	-0.61248		
0.77	-0.65103		
0.83	-0.66664		
0.89	-0.69388		
0.95	-0.41455		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.57840	0.02	0.32000
0.06	-0.47922	0.06	0.14132
0.11	-0.40909	0.11	0.01564
0.18	-0.52372	0.18	-0.07886
0.25	-0.55058	0.25	-0.14667
0.32	-0.63012	0.32	-0.19645
0.39	-0.74163	0.39	-0.22862
0.46	-0.48445	0.46	-0.22180
0.53	-0.22206	0.53	-0.19498
0.60	-0.13439	0.60	-0.13607
0.67	-0.06129	0.67	-0.06108
0.74	0.01247	0.74	0.00634
0.81	0.08148	0.81	0.06180
0.88	0.14005	0.88	0.10520
0.95	0.20666	0.95	0.17179

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
9	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.8505	-3.85	-0.02	31.82 664.6	100.85 2106.2	62.84 1312.5	12.48 3.80	325.84 126.84

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.14929	0.05	-0.78142
0.06	-0.16234	0.10	-0.72734
0.11	-0.24391	0.20	-0.79275
0.17	-0.30452	0.35	-0.93763
0.23	-0.33543	0.50	-0.36195
0.29	-0.37451	0.65	-0.30467
0.35	-0.41938	0.80	-0.24664
0.41	-0.39550	0.95	-0.14002
0.47	-0.47676		
0.53	-0.55064		
0.57	-0.52694		
0.65	-0.65229		
0.71	-0.70041		
0.77	-0.71782		
0.83	-0.36107		
0.89	-0.22585		
0.95	-0.15711		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.02457	0.02	0.44413
0.06	-0.91917	0.06	0.27110
0.11	-0.76777	0.11	0.13259
0.18	-0.62468	0.18	0.00854
0.25	-0.70108	0.25	-0.08323
0.32	-0.74405	0.32	-0.14312
0.39	-0.84472	0.39	-0.17368
0.46	-0.78082	0.46	-0.18076
0.53	-0.28002	0.53	-0.16454
0.60	-0.15159	0.60	-0.12404
0.67	-0.06585	0.67	-0.05455
0.74	0.00768	0.74	0.00916
0.81	0.07436	0.81	0.05489
0.88	0.13612	0.88	0.09281
0.95	0.19748	0.95	0.14929

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
9	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.8483	-1.64	-0.02	31.74 662.9	100.88 2107.0	63.01 1315.9	12.41 3.78	327.04 129.00

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.12354	0.05	-0.41338
0.06	-0.43347	0.10	-0.45655
0.11	-0.47837	0.20	-0.66620
0.17	-0.52911	0.35	-0.71050
0.23	-0.56414	0.50	-0.61120
0.29	-0.60900	0.65	-0.19779
0.35	-0.56571	0.80	-0.14981
0.41	-0.53973	0.95	-0.02855
0.47	-0.60267		
0.53	-0.65986		
0.57	-0.63148		
0.65	-0.71767		
0.71	-0.78003		
0.77	-0.31542		
0.83	-0.16859		
0.89	-0.08207		
0.95	-0.00315		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.13292	0.02	0.52050
0.06	-1.10957	0.06	0.32624
0.11	-1.01247	0.11	0.18886
0.18	-0.69879	0.18	0.05175
0.25	-0.75058	0.25	-0.03766
0.32	-0.81158	0.32	-0.10318
0.39	-0.90020	0.39	-0.14872
0.46	-0.52164	0.46	-0.16602
0.53	-0.28423	0.53	-0.16395
0.60	-0.20246	0.60	-0.12079
0.67	-0.11488	0.67	-0.05807
0.74	-0.02911	0.74	-0.00104
0.81	0.06175	0.81	0.04110
0.88	0.12320	0.88	0.07223
0.95	0.17930	0.95	0.11727

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
9	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.8485	0.64	-0.02	31.74 662.9	100.85 2106.2	62.97 1315.2	12.45 3.79	326.18 127.45

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.42622	0.05	-0.16069
0.06	-0.68876	0.10	-0.27598
0.11	-0.78619	0.20	-0.43023
0.17	-0.78991	0.35	-0.58205
0.23	-0.81949	0.50	-0.75673
0.29	-0.82520	0.65	-0.18621
0.35	-0.78949	0.80	-0.09869
0.41	-0.72365	0.95	0.07379
0.47	-0.82162		
0.53	-0.87930		
0.57	-0.82937		
0.65	-0.36188		
0.71	-0.26372		
0.77	-0.17738		
0.83	-0.09510		
0.89	-0.03570		
0.95	0.02822		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.20832	0.02	0.58622
0.06	-1.18773	0.06	0.38058
0.11	-1.13099	0.11	0.22652
0.18	-1.08090	0.18	0.09208
0.25	-0.92647	0.25	-0.00251
0.32	-0.84081	0.32	-0.07823
0.39	-0.71806	0.39	-0.12509
0.46	-0.38799	0.46	-0.14459
0.53	-0.31738	0.53	-0.14993
0.60	-0.22589	0.60	-0.12192
0.67	-0.18579	0.67	-0.06872
0.74	-0.15963	0.74	-0.02108
0.81	-0.07818	0.81	0.00554
0.88	-0.01323	0.88	0.00934
0.95	0.04416	0.95	0.02251

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
9	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.8513	2.87	-0.01	31.87 665.6	100.88 2107.0	62.81 1311.8	12.50 3.81	325.56 126.34

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.61712	0.05	0.03020
0.06	-0.90869	0.10	-0.13252
0.11	-0.96565	0.20	-0.29364
0.17	-0.98624	0.35	-0.47486
0.23	-1.00244	0.50	-0.67117
0.29	-1.00656	0.65	-0.24342
0.35	-0.98140	0.80	-0.10410
0.41	-0.72621	0.95	0.12909
0.47	-0.45262		
0.53	-0.42719		
0.57	-0.41397		
0.65	-0.38904		
0.71	-0.35821		
0.77	-0.32964		
0.83	-0.29840		
0.89	-0.25872		
0.95	-0.22688		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.19194	0.02	0.54896
0.06	-1.18807	0.06	0.32717
0.11	-1.14316	0.11	0.17340
0.18	-1.11265	0.18	0.05185
0.25	-1.07213	0.25	-0.02556
0.32	-0.90165	0.32	-0.06109
0.39	-0.91641	0.39	-0.08648
0.46	-0.41376	0.46	-0.09086
0.53	-0.28623	0.53	-0.08354
0.60	-0.18279	0.60	-0.07090
0.67	-0.09672	0.67	-0.02703
0.74	-0.02311	0.74	0.01372
0.81	0.02349	0.81	0.03174
0.88	0.08068	0.88	0.04266
0.95	0.12694	0.95	0.06779

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
9	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.8503	5.09	0.00	31.83 664.7	100.88 2107.0	62.88 1313.2	12.44 3.79	326.68 128.36

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.79348	0.05	0.20352
0.06	-1.07912	0.10	0.02545
0.11	-1.09266	0.20	-0.16134
0.17	-1.11669	0.35	-0.37837
0.23	-1.07494	0.50	-0.59656
0.29	-0.87923	0.65	-0.26002
0.35	-0.59761	0.80	-0.03810
0.41	-0.62316	0.95	0.17072
0.47	-0.52533		
0.53	-0.52049		
0.57	-0.49501		
0.65	-0.47334		
0.71	-0.46879		
0.77	-0.44650		
0.83	-0.41443		
0.89	-0.40637		
0.95	-0.35744		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.17848	0.02	0.37435
0.06	-1.14979	0.06	0.31637
0.11	-1.06540	0.11	0.25121
0.18	-1.03536	0.18	0.19482
0.25	-0.97334	0.25	0.15537
0.32	-0.71989	0.32	0.11298
0.39	-0.52070	0.39	0.08656
0.46	-0 36832	0.46	0.04354
0.53	-0.30184	0.53	0.03109
0.60	-0.21724	0.60	0.02714
0.67	-0.16281	0.67	0.03362
0.74	-0.11106	0.74	0.04397
0.81	-0.05521	0.81	0.04194
0.88	-0.00120	0.88	0.03024
0.95	0.03848	0.95	0.01379

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
9	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.8503	7.49	0.01	31.83 664.7	100.88 2107.0	62.88 1313.2	12.45 3.80	326.40 127.85

WING

UPPER SURFACE

X/C	CP
0.02	-0.98949
0.06	-1.17343
0.11	-1.15346
0.17	-1.02649
0.23	-0.82632
0.29	-0.67780
0.35	-0.64051
0.41	-0.62643
0.47	-0.58195
0.53	-0.57766
0.57	-0.56202
0.65	-0.55322
0.71	-0.53834
0.77	-0.52940
0.83	-0.51631
0.89	-0.50092
0.95	-0.46584

LOWER SURFACE

X/C	CP
0.05	0.35664
0.10	0.16443
0.20	-0.03489
0.35	-0.25813
0.50	-0.52195
0.65	-0.24252
0.80	0.10288
0.95	0.20779

HORIZ. TAIL

UPPER SURFACE

X/C	CP
0.02	-1.17239
0.06	-1.04170
0.11	-0.86718
0.18	-0.71788
0.25	-0.60573
0.32	-0.53476
0.39	-0.46266
0.46	-0.39433
0.53	-0.33594
0.60	-0.27135
0.67	-0.22412
0.74	-0.18347
0.81	-0.15825
0.88	-0.09573
0.95	-0.05847

LOWER SURFACE

X/C	CP
0.02	0.33259
0.06	0.36749
0.11	0.35664
0.18	0.32371
0.25	0.28265
0.32	0.22997
0.39	0.17394
0.46	0.12436
0.53	0.10583
0.60	0.08679
0.67	0.08511
0.74	0.07353
0.81	0.05930
0.88	0.03404
0.95	-0.00814

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
9	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.8483	9.53	0.02	31.74 662.9	100.88 2107.0	63.01 1315.9	12.40 3.78	327.30 129.47

WING

UPPER SURFACE

X/C	CP
0.02	-0.79749
0.06	-0.56930
0.11	-0.63193
0.17	-0.56016
0.23	-0.56804
0.29	-0.55651
0.35	-0.57090
0.41	-0.59820
0.47	-0.58886
0.53	-0.60901
0.57	-0.60574
0.65	-0.61113
0.71	-0.61702
0.77	-0.61161
0.83	-0.60420
0.89	-0.60606
0.95	-0.55610

LOWER SURFACE

X/C	CP
0.05	0.46886
0.10	0.26679
0.20	0.06111
0.35	-0.16785
0.50	-0.43759
0.65	-0.21259
0.80	0.16074
0.95	0.20894

HORIZ. TAIL

UPPER SURFACE

X/C	CP
0.02	-1.06304
0.06	-0.91490
0.11	-0.81240
0.18	-0.70588
0.25	-0.60658
0.32	-0.53529
0.39	-0.46834
0.46	-0.40906
0.53	-0.33781
0.60	-0.28407
0.67	-0.23417
0.74	-0.18991
0.81	-0.14698
0.88	-0.10011
0.95	-0.05524

LOWER SURFACE

X/C	CP
0.02	0.48334
0.06	0.66150
0.11	0.60929
0.18	0.59120
0.25	0.51098
0.32	0.43291
0.39	0.35727
0.46	0.31014
0.53	0.25442
0.60	0.18669
0.67	0.16491
0.74	0.13557
0.81	0.10024
0.88	0.04927
0.95	-0.03528

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
9	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.8495	11.49	0.02	31.78 663.8	100.85 2106.2	62.91 1313.9	12.41 3.78	326.98 128.89

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.49378	0.05	0.55156
0.06	-0.49754	0.10	0.35398
0.11	-0.48503	0.20	0.14542
0.17	-0.49462	0.35	-0.09216
0.23	-0.47805	0.50	-0.36314
0.29	-0.48419	0.65	-0.21781
0.35	-0.48577	0.80	0.17597
0.41	-0.55202	0.95	0.21787
0.47	-0.50606		
0.53	-0.51274		
0.57	-0.52583		
0.65	-0.54704		
0.71	-0.55362		
0.77	-0.55642		
0.83	-0.56786		
0.89	-0.57469		
0.95	-0.56627		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.37241	0.02	0.47229
0.06	-0.34898	0.06	0.69000
0.11	-0.33201	0.11	0.72274
0.18	-0.34122	0.18	0.66522
0.25	-0.32886	0.25	0.58045
0.32	-0.32654	0.32	0.52976
0.39	-0.31299	0.39	0.42246
0.46	-0.30791	0.46	0.35416
0.53	-0.29627	0.53	0.29193
0.60	-0.29487	0.60	0.23504
0.67	-0.28067	0.67	0.19724
0.74	-0.26453	0.74	0.16010
0.81	-0.25209	0.81	0.12183
0.88	-0.24358	0.88	0.04814
0.95	-0.22858	0.95	-0.04865

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
9	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.8497	-1.60	-0.01	31.81 664.3	100.92 2107.7	62.94 1314.6	12.45 3.80	326.46 127.95

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.14300	0.05	-0.42887
0.06	-0.45664	0.10	-0.44486
0.11	-0.48543	0.20	-0.66962
0.17	-0.55068	0.35	-0.71360
0.23	-0.57277	0.50	-0.64132
0.29	-0.61056	0.65	-0.19860
0.35	-0.56332	0.80	-0.15255
0.41	-0.57110	0.95	-0.02538
0.47	-0.59226		
0.53	-0.65354		
0.57	-0.61721		
0.65	-0.71886		
0.71	-0.77517		
0.77	-0.31892		
0.83	-0.16727		
0.89	-0.08419		
0.95	-0.01162		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.12319	0.02	0.52932
0.06	-1.11318	0.06	0.32807
0.11	-1.01368	0.11	0.18154
0.18	-0.81543	0.18	0.04849
0.25	-0.75326	0.25	-0.04033
0.32	-0.80949	0.32	-0.10838
0.39	-0.89300	0.39	-0.14827
0.46	-0.53588	0.46	-0.16401
0.53	-0.29744	0.53	-0.16222
0.60	-0.20287	0.60	-0.12614
0.67	-0.11349	0.67	-0.06255
0.74	-0.01964	0.74	-0.00303
0.81	0.04976	0.81	0.04298
0.88	0.11142	0.88	0.07651
0.95	0.16927	0.95	0.12439

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.6000	-6.10	0.00	19.96 416.9	101.05 2110.5	79.22 1654.6	10.87 3.31	310.12 98.54

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.50315	0.05	-1.79249
0.06	0.13995	0.10	-1.06223
0.11	0.01898	0.20	-0.85330
0.17	-0.05711	0.35	-0.68515
0.23	-0.09083	0.50	-0.54997
0.29	-0.13883	0.65	-0.16874
0.35	-0.16786	0.80	0.08251
0.41	0.02266	0.95	0.18735
0.47	-0.22498		
0.53	-0.24783		
0.57	-0.22202		
0.65	-0.23834		
0.71	-0.21604		
0.77	-0.18439		
0.83	-0.14484		
0.89	-0.08856		
0.95	-0.01159		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.5989	-3.90	-0.01	19.91 415.8	101.05 2110.5	79.29 1656.1	10.82 3.30	310.83 99.82

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.19155	0.05	-0.95822
0.06	-0.11283	0.10	-0.81701
0.11	-0.18507	0.20	-0.70362
0.17	-0.22750	0.35	-0.59870
0.23	-0.23005	0.50	-0.51232
0.29	-0.26134	0.65	-0.16073
0.35	-0.28170	0.80	0.12867
0.41	-0.13561	0.95	0.23288
0.47	-0.29831		
0.53	-0.32985		
0.57	-0.29503		
0.65	-0.29562		
0.71	-0.26352		
0.77	-0.22001		
0.83	-0.16995		
0.89	-0.11034		
0.95	-0.02107		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.6000	-1.76	-0.01	19.96 416.9	101.05 2110.5	79.22 1654.6	10.83 3.30	310.98 100.09

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.17217	0.05	-0.56167
0.06	-0.37758	0.10	-0.54831
0.11	-0.38828	0.20	-0.51259
0.17	-0.39685	0.35	-0.48788
0.23	-0.37658	0.50	-0.45696
0.29	-0.38962	0.65	-0.13998
0.35	-0.39651	0.80	0.15615
0.41	-0.23288	0.95	0.25599
0.47	-0.38392		
0.53	-0.38979		
0.57	-0.34650		
0.65	-0.33898		
0.71	-0.31255		
0.77	-0.25861		
0.83	-0.19912		
0.89	-0.11911		
0.95	-0.02769		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.5994	0.43	-0.01	19.94 416.4	101.05 2110.5	79.26 1655.3	10.82 3.30	311.05 100.22

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.83261	0.05	-0.19418
0.06	-0.78356	0.10	-0.26086
0.11	-0.66398	0.20	-0.33083
0.17	-0.59960	0.35	-0.37867
0.23	-0.55284	0.50	-0.38680
0.29	-0.54132	0.65	-0.12154
0.35	-0.51879	0.80	0.18013
0.41	-0.33786	0.95	0.26987
0.47	-0.47478		
0.53	-0.47199		
0.57	-0.42258		
0.65	-0.39581		
0.71	-0.34504		
0.77	-0.28228		
0.83	-0.21400		
0.89	-0.13695		
0.95	-0.03749		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.6010	2.72	0.00	20.02 418.1	101.08 2111.2	79.19 1653.9	10.84 3.30	311.24 100.56

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.55834	0.05	0.09062
0.06	-1.21207	0.10	-0.07767
0.11	-0.90846	0.20	-0.18281
0.17	-0.81331	0.35	-0.27088
0.23	-0.72331	0.50	-0.30051
0.29	-0.66556	0.65	-0.09868
0.35	-0.60658	0.80	0.20833
0.41	-0.45723	0.95	0.28829
0.47	-0.53422		
0.53	-0.52872		
0.57	-0.47126		
0.65	-0.43404		
0.71	-0.37166		
0.77	-0.29932		
0.83	-0.22665		
0.89	-0.14211		
0.95	-0.04293		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.6008	4.87	0.00	20.02 418.1	101.12 2111.9	79.22 1654.6	10.84 3.30	311.20 100.49

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-2.20835	0.05	0.30241
0.06	-2.15758	0.10	0.11073
0.11	-1.16464	0.20	-0.03357
0.17	-0.97133	0.35	-0.16770
0.23	-0.85865	0.50	-0.24498
0.29	-0.78318	0.65	-0.08688
0.35	-0.70577	0.80	0.21626
0.41	-0.55041	0.95	0.29134
0.47	-0.59964		
0.53	-0.55910		
0.57	-0.50142		
0.65	-0.44719		
0.71	-0.37659		
0.77	-0.29815		
0.83	-0.21919		
0.89	-0.13046		
0.95	-0.04056		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.6016	7.02	0.00	20.05 418.7	101.05 2110.5	79.12 1652.5	10.82 3.30	311.61 101.23

WING

UPPER SURFACE

X/C	CP
0.02	-2.55829
0.06	-2.45368
0.11	-1.87396
0.17	-1.36268
0.23	-1.09906
0.29	-0.93038
0.35	-0.76922
0.41	-0.64607
0.47	-0.61397
0.53	-0.55546
0.57	-0.50406
0.65	-0.43173
0.71	-0.35474
0.77	-0.28289
0.83	-0.20977
0.89	-0.14232
0.95	-0.06871

LOWER SURFACE

X/C	CP
0.05	0.46725
0.10	0.26987
0.20	0.08112
0.35	-0.08194
0.50	-0.17878
0.65	-0.06571
0.80	0.23677
0.95	0.29343

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
22	0.5993	9.08	-0.01	19.94 416.4	101.08 2111.2	79.29 1656.1	10.79 3.29	311.74 101.47

WING

UPPER SURFACE

X/C	CP
0.02	-1.26064
0.06	-1.22842
0.11	-1.20779
0.17	-1.26402
0.23	-1.05594
0.29	-0.97590
0.35	-0.92835
0.41	-0.73715
0.47	-0.72348
0.53	-0.63919
0.57	-0.58917
0.65	-0.52290
0.71	-0.52730
0.77	-0.50998
0.83	-0.44751
0.89	-0.42350
0.95	-0.36166

LOWER SURFACE

X/C	CP
0.05	0.54191
0.10	0.32980
0.20	0.12177
0.35	-0.06552
0.50	-0.18456
0.65	-0.12139
0.80	0.17974
0.95	0.18941

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
23	0.5993	11.09	-0.03	19.94 416.4	101.08 2111.2	79.29 1656.1	10.78 3.29	312.10 102.11

WING

UPPER SURFACE

X/C	CP
0.02	-0.58849
0.06	-0.55649
0.11	-0.58804
0.17	-0.55700
0.23	-0.58118
0.29	-0.61781
0.35	-0.60992
0.41	-0.70929
0.47	-0.61246
0.53	-0.62935
0.57	-0.63389
0.65	-0.64223
0.71	-0.65916
0.77	-0.62489
0.83	-0.61815
0.89	-0.60155
0.95	-0.54448

LOWER SURFACE

X/C	CP
0.05	0.56277
0.10	0.34692
0.20	0.12941
0.35	-0.06554
0.50	-0.21434
0.65	-0.18551
0.80	0.12334
0.95	0.11403

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
24	0.5994	13.15	0.02	19.94 416.4	101.05 2110.5	79.26 1655.3	10.80 3.29	311.56 101.13

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.52527	0.05	0.59588
0.06	-0.51155	0.10	0.37866
0.11	-0.50832	0.20	0.16586
0.17	-0.50080	0.35	-0.04580
0.23	-0.51756	0.50	-0.21380
0.29	-0.51736	0.65	-0.21653
0.35	-0.54606	0.80	0.09253
0.41	-0.64671	0.95	0.07977
0.47	-0.57430		
0.53	-0.57523		
0.57	-0.58931		
0.65	-0.60779		
0.71	-0.61144		
0.77	-0.62702		
0.83	-0.60511		
0.89	-0.57724		
0.95	-0.54726		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
25	0.5988	15.07	0.15	19.91 415.8	101.08 2111.2	79.33 1656.8	10.77 3.28	311.98 101.90

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-2.18791	0.05	0.65155
0.06	-2.11018	0.10	0.44243
0.11	-0.72316	0.20	0.22464
0.17	-0.53043	0.35	-0.00597
0.23	-0.59444	0.50	-0.18740
0.29	-0.60626	0.65	-0.21484
0.35	-0.59180	0.80	0.08608
0.41	-0.61045	0.95	0.05274
0.47	-0.59923		
0.53	-0.62667		
0.57	-0.63714		
0.65	-0.63574		
0.71	-0.66355		
0.77	-0.68083		
0.83	-0.69201		
0.89	-0.70983		
0.95	-0.71886		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
26	0.5993	17.21	0.19	19.94 416.4	101.08 2111.2	79.29 1656.1	10.79 3.29	311.86 101.67

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.66727	0.05	0.70274
0.06	-1.63660	0.10	0.50735
0.11	-1.58588	0.20	0.29357
0.17	-0.54317	0.35	0.06414
0.23	-1.03848	0.50	-0.12456
0.29	-1.01472	0.65	-0.17730
0.35	-0.84648	0.80	0.10591
0.41	-0.69874	0.95	0.06895
0.47	-0.65771		
0.53	-0.67086		
0.57	-0.64973		
0.65	-0.69519		
0.71	-0.70337		
0.77	-0.72041		
0.83	-0.73969		
0.89	-0.75800		
0.95	-0.76275		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
27	0.5997	19.24	0.19	19.97 417.0	101.12 2111.9	79.29 1656.0	10.79 3.29	311.89 101.74

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.33285	0.05	0.75531
0.06	-1.69325	0.10	0.57473
0.11	-1.68655	0.20	0.35812
0.17	-1.50430	0.35	0.12529
0.23	-1.15039	0.50	-0.08310
0.29	-1.04359	0.65	-0.14076
0.35	-0.83933	0.80	0.12293
0.41	-0.76135	0.95	0.07782
0.47	-0.65962		
0.53	-0.67292		
0.57	-0.67327		
0.65	-0.70955		
0.71	-0.70211		
0.77	-0.70930		
0.83	-0.71658		
0.89	-0.73331		
0.95	-0.76602		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
28	0.6004	21.33	0.23	19.99 417.5	101.08 2111.2	79.22 1654.6	10.77 3.28	312.47 102.78

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.70109	0.05	0.78541
0.06	-1.70561	0.10	0.63035
0.11	-1.71416	0.20	0.41731
0.17	-1.56418	0.35	0.18713
0.23	-1.28761	0.50	-0.01867
0.29	-1.06202	0.65	-0.09685
0.35	-0.88432	0.80	0.13904
0.41	-0.79873	0.95	0.08538
0.47	-0.71323		
0.53	-0.69653		
0.57	-0.68524		
0.65	-0.69586		
0.71	-0.70590		
0.77	-0.70588		
0.83	-0.73328		
0.89	-0.74808		
0.95	-0.74016		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
29	0.6003	23.37	0.24	19.99 417.6	101.12 2111.9	79.26 1655.3	10.78 3.29	312.39 102.64

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-1.89376	0.05	0.82026
	0.06	-1.84480	0.10	0.67664
	0.11	-1.00350	0.20	0.47665
	0.17	-0.53077	0.35	0.25214
	0.23	-0.93051	0.50	0.03684
	0.29	-0.64705	0.65	-0.05047
	0.35	-0.56955	0.80	0.16748
	0.41	-0.72837	0.95	0.11017
	0.47	-0.61735		
	0.53	-0.58493		
	0.57	-0.59671		
	0.65	-0.64405		
	0.71	-0.62304		
	0.77	-0.59804		
	0.83	-0.63370		
	0.89	-0.68856		
	0.95	-0.64193		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
30	0.5993	-1.69	-0.01	19.94 416.4	101.08 2111.2	79.29 1656.1	10.80 3.29	311.67 101.33

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.17874	0.05	-0.55282
0.06	-0.41401	0.10	-0.53041
0.11	-0.41467	0.20	-0.50860
0.17	-0.37638	0.35	-0.47536
0.23	-0.36889	0.50	-0.45793
0.29	-0.38147	0.65	-0.14396
0.35	-0.39182	0.80	0.15780
0.41	-0.54202	0.95	0.25745
0.47	-0.38215		
0.53	-0.38444		
0.57	-0.35285		
0.65	-0.34560		
0.71	-0.29216		
0.77	-0.24055		
0.83	-0.18163		
0.89	-0.11632		
0.95	-0.02364		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
31	0.6015	-5.08	0.00	20.05 418.7	101.08 2111.2	79.16 1653.2	10.82 3.30	311.78 101.53

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.37566	0.05	-1.29489
0.06	0.04022	0.10	-0.94014
0.11	-0.06864	0.20	-0.76326
0.17	-0.14025	0.35	-0.63279
0.23	-0.16307	0.50	-0.53504
0.29	-0.20445	0.65	-0.16439
0.35	-0.20876	0.80	0.10745
0.41	-0.27953	0.95	0.21101
0.47	-0.24695		
0.53	-0.27761		
0.57	-0.25108		
0.65	-0.26488		
0.71	-0.23404		
0.77	-0.19549		
0.83	-0.14535		
0.89	-0.09535		
0.95	-0.01120		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
32	0.6010	-2.85	-0.01	20.02 418.1	101.08 2111.2	79.19 1653.9	10.78 3.29	312.38 102.61

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.03891	0.05	-0.73056
0.06	-0.23815	0.10	-0.69549
0.11	-0.28810	0.20	-0.60372
0.17	-0.30604	0.35	-0.54389
0.23	-0.31166	0.50	-0.48972
0.29	-0.32984	0.65	-0.15033
0.35	-0.33849	0.80	0.14404
0.41	-0.28771	0.95	0.23686
0.47	-0.34153		
0.53	-0.37095		
0.57	-0.33728		
0.65	-0.33419		
0.71	-0.28663		
0.77	-0.24447		
0.83	-0.19126		
0.89	-0.12101		
0.95	-0.02825		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
33	0.5993	-0.63	-0.01	19.94 416.4	101.08 2111.2	79.29 1656.1	10.79 3.29	311.87 101.70

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.47319	0.05	-0.34686
0.06	-0.58448	0.10	-0.43056
0.11	-0.53759	0.20	-0.42782
0.17	-0.50239	0.35	-0.41993
0.23	-0.47692	0.50	-0.41176
0.29	-0.46586	0.65	-0.12353
0.35	-0.45104	0.80	0.17258
0.41	-0.34632	0.95	0.26664
0.47	-0.42530		
0.53	-0.42150		
0.57	-0.38073		
0.65	-0.36596		
0.71	-0.32013		
0.77	-0.26115		
0.83	-0.19869		
0.89	-0.13081		
0.95	-0.03668		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
34	0.5999	1.57	-0.01	19.97 417.0	101.08 2111.2	79.26 1655.3	10.79 3.29	311.97 101.87

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.07450	0.05	-0.04181
0.06	-0.98575	0.10	-0.17893
0.11	-0.79079	0.20	-0.25758
0.17	-0.70767	0.35	-0.32913
0.23	-0.63019	0.50	-0.35361
0.29	-0.59902	0.65	-0.11556
0.35	-0.56289	0.80	0.19288
0.41	-0.42968	0.95	0.28276
0.47	-0.51420		
0.53	-0.48798		
0.57	-0.44205		
0.65	-0.41529		
0.71	-0.35730		
0.77	-0.28799		
0.83	-0.21614		
0.89	-0.14298		
0.95	-0.04271		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
35	0.5999	3.85	0.00	19.97 417.0	101.08 2111.2	79.26 1655.3	10.79 3.29	311.84 101.64

WING

UPPER SURFACE

X/C	CP
0.02	-1.97048
0.06	-1.81744
0.11	-1.03683
0.17	-0.92719
0.23	-0.81096
0.29	-0.73872
0.35	-0.67506
0.41	-0.51121
0.47	-0.57915
0.53	-0.55067
0.57	-0.50055
0.65	-0.45162
0.71	-0.37812
0.77	-0.30571
0.83	-0.22595
0.89	-0.13770
0.95	-0.04160

LOWER SURFACE

X/C	CP
0.05	0.21654
0.10	0.04321
0.20	-0.10955
0.35	-0.21627
0.50	-0.28282
0.65	-0.09989
0.80	0.21150
0.95	0.29353

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
36	0.6000	6.02	0.00	19.96 416.9	101.05 2110.5	79.22 1654.6	10.79 3.29	311.91 101.77

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-2.42262	0.05	0.40240
0.06	-2.30826	0.10	0.18325
0.11	-1.81665	0.20	0.01291
0.17	-1.01173	0.35	-0.12644
0.23	-0.87367	0.50	-0.21230
0.29	-0.79377	0.65	-0.07417
0.35	-0.72474	0.80	0.22866
0.41	-0.59108	0.95	0.29163
0.47	-0.60149		
0.53	-0.56418		
0.57	-0.50687		
0.65	-0.44024		
0.71	-0.36884		
0.77	-0.29019		
0.83	-0.20522		
0.89	-0.12566		
0.95	-0.04854		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
37	0.5994	8.08	-0.02	19.94 416.4	101.05 2110.5	79.26 1655.3	10.77 3.28	312.13 102.17

WING

UPPER SURFACE

X/C	CP
0.02	-1.89697
0.06	-1.70022
0.11	-1.52536
0.17	-1.41574
0.23	-1.26831
0.29	-1.07366
0.35	-0.90565
0.41	-0.69577
0.47	-0.66388
0.53	-0.59356
0.57	-0.55180
0.65	-0.48079
0.71	-0.38047
0.77	-0.35238
0.83	-0.31413
0.89	-0.24422
0.95	-0.21141

LOWER SURFACE

X/C	CP
0.05	0.51155
0.10	0.30202
0.20	0.09825
0.35	-0.07135
0.50	-0.17945
0.65	-0.08882
0.80	0.21079
0.95	0.25306

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
10	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
38	0.6010	10.11	-0.01	20.02 418.1	101.08 2111.2	79.19 1653.9	10.80 3.29	312.02 101.97

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-0.81211	0.05	0.55830
	0.06	-0.98648	0.10	0.34569
	0.11	-0.95869	0.20	0.13428
	0.17	-0.75882	0.35	-0.05771
	0.23	-0.64193	0.50	-0.20265
	0.29	-0.66335	0.65	-0.15425
	0.35	-0.84508	0.80	0.14450
	0.41	-0.69825	0.95	0.14698
	0.47	-0.72987		
	0.53	-0.66391		
	0.57	-0.63066		
	0.65	-0.57289		
	0.71	-0.57166		
	0.77	-0.61476		
	0.83	-0.57222		
	0.89	-0.52703		
	0.95	-0.45839		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7001	-6.22	-0.01	24.97 521.5	100.95 2108.4	72.77 1519.8	11.77 3.59	315.13 107.56

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.47479	0.05	-1.67526
0.06	0.14429	0.10	-1.53514
0.11	0.03406	0.20	-1.32448
0.17	-0.05298	0.35	-0.71641
0.23	-0.10084	0.50	-0.54361
0.29	-0.15135	0.65	-0.12902
0.35	-0.17377	0.80	0.04883
0.41	-0.37518	0.95	0.15617
0.47	-0.23619		
0.53	-0.27424		
0.57	-0.24439		
0.65	-0.26527		
0.71	-0.23790		
0.77	-0.19920		
0.83	-0.15028		
0.89	-0.08772		
0.95	-0.00193		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.7009	-5.08	-0.01	25.02 522.6	101.02 2109.8	72.77 1519.8	11.78 3.59	315.14 107.59

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.35970	0.05	-1.56660
0.06	0.03951	0.10	-1.31223
0.11	-0.05593	0.20	-0.87805
0.17	-0.14625	0.35	-0.71459
0.23	-0.17006	0.50	-0.55839
0.29	-0.21131	0.65	-0.12369
0.35	-0.23462	0.80	0.07509
0.41	-0.30249	0.95	0.18483
0.47	-0.27709		
0.53	-0.31603		
0.57	-0.28117		
0.65	-0.28779		
0.71	-0.25283		
0.77	-0.20416		
0.83	-0.14846		
0.89	-0.08948		
0.95	0.00294		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.7005	-3.91	-0.01	24.99 522.0	100.98 2109.1	72.77 1519.8	11.77 3.59	315.26 107.79

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.18196	0.05	-1.06363
0.06	-0.10221	0.10	-0.86747
0.11	-0.17960	0.20	-0.77318
0.17	-0.22649	0.35	-0.66398
0.23	-0.24049	0.50	-0.55031
0.29	-0.27765	0.65	-0.13512
0.35	-0.28864	0.80	0.11397
0.41	-0.28057	0.95	0.23268
0.47	-0.31921		
0.53	-0.34839		
0.57	-0.31003		
0.65	-0.30882		
0.71	-0.27263		
0.77	-0.22032		
0.83	-0.15829		
0.89	-0.08911		
0.95	0.00802		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.7009	-2.77	-0.01	25.02 522.6	101.02 2109.8	72.77 1519.8	11.79 3.59	315.07 107.46

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	0.05400	0.05	-0.84295
	0.06	-0.20727	0.10	-0.74046
	0.11	-0.28136	0.20	-0.69487
	0.17	-0.31617	0.35	-0.62861
	0.23	-0.32476	0.50	-0.53972
	0.29	-0.34594	0.65	-0.13303
	0.35	-0.35213	0.80	0.14078
	0.41	-0.31782	0.95	0.24977
	0.47	-0.36416		
	0.53	-0.39775		
	0.57	-0.34559		
	0.65	-0.33843		
	0.71	-0.30060		
	0.77	-0.24278		
	0.83	-0.17821		
	0.89	-0.09127		
	0.95	0.00646		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.6998	-1.70	-0.01	24.97 521.5	101.02 2109.8	72.84 1521.2	11.78 3.59	315.05 107.42

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.17880	0.05	-0.60364
0.06	-0.39395	0.10	-0.58440
0.11	-0.41967	0.20	-0.58353
0.17	-0.40758	0.35	-0.57075
0.23	-0.40702	0.50	-0.50938
0.29	-0.42047	0.65	-0.13025
0.35	-0.43330	0.80	0.15524
0.41	-0.34356	0.95	0.25521
0.47	-0.42341		
0.53	-0.43169		
0.57	-0.39022		
0.65	-0.37582		
0.71	-0.31784		
0.77	-0.25584		
0.83	-0.18543		
0.89	-0.10619		
0.95	-0.00411		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.7007	-0.58	-0.01	25.02 522.6	101.05 2110.5	72.80 1520.5	11.79 3.59	315.03 107.39

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.46235	0.05	-0.34168
0.06	-0.63710	0.10	-0.46877
0.11	-0.54868	0.20	-0.47631
0.17	-0.54528	0.35	-0.49019
0.23	-0.51198	0.50	-0.47894
0.29	-0.50194	0.65	-0.12573
0.35	-0.50462	0.80	0.16962
0.41	-0.39220	0.95	0.27696
0.47	-0.46668		
0.53	-0.45539		
0.57	-0.41402		
0.65	-0.39190		
0.71	-0.33073		
0.77	-0.26336		
0.83	-0.19318		
0.89	-0.11082		
0.95	-0.00621		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.7004	0.53	-0.01	25.00 522.1	101.02 2109.8	72.80 1520.5	11.79 3.60	314.83 107.02

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.66751	0.05	-0.20104
0.06	-0.83091	0.10	-0.32897
0.11	-0.73233	0.20	-0.38647
0.17	-0.67741	0.35	-0.43301
0.23	-0.63092	0.50	-0.43468
0.29	-0.59657	0.65	-0.11165
0.35	-0.54842	0.80	0.19097
0.41	-0.44452	0.95	0.29052
0.47	-0.50570		
0.53	-0.50372		
0.57	-0.44984		
0.65	-0.41430		
0.71	-0.35278		
0.77	-0.27968		
0.83	-0.20130		
0.89	-0.11513		
0.95	-0.00727		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.7004	1.70	-0.01	25.00 522.1	101.02 2109.8	72.80 1520.5	11.75 3.58	315.69 108.57

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.03950	0.05	-0.02410
0.06	-1.23454	0.10	-0.19596
0.11	-0.97162	0.20	-0.29339
0.17	-0.78472	0.35	-0.36540
0.23	-0.69929	0.50	-0.39025
0.29	-0.64154	0.65	-0.10175
0.35	-0.61933	0.80	0.20723
0.41	-0.50259	0.95	0.29752
0.47	-0.54700		
0.53	-0.53530		
0.57	-0.48157		
0.65	-0.43804		
0.71	-0.36697		
0.77	-0.28833		
0.83	-0.20784		
0.89	-0.11487		
0.95	-0.01285		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.7000	2.91	-0.01	24.97 521.5	100.98 2109.1	72.80 1520.5	11.76 3.59	315.35 107.96

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.26548	0.05	0.07159
0.06	-1.53958	0.10	-0.05930
0.11	-1.44532	0.20	-0.20215
0.17	-0.99958	0.35	-0.30614
0.23	-0.72571	0.50	-0.34852
0.29	-0.70263	0.65	-0.09899
0.35	-0.65998	0.80	0.21971
0.41	-0.57136	0.95	0.30121
0.47	-0.57715		
0.53	-0.56053		
0.57	-0.49939		
0.65	-0.44793		
0.71	-0.36889		
0.77	-0.28106		
0.83	-0.19671		
0.89	-0.11639		
0.95	-0.01395		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.6993	3.98	-0.01	24.95 521.0	101.02 2109.8	72.87 1521.9	11.72 3.57	316.10 109.31

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.40818	0.05	0.18962
0.06	-1.67110	0.10	0.00533
0.11	-1.62028	0.20	-0.13877
0.17	-1.55669	0.35	-0.25960
0.23	-0.89198	0.50	-0.32937
0.29	-0.65151	0.65	-0.10271
0.35	-0.61189	0.80	0.21876
0.41	-0.62996	0.95	0.30825
0.47	-0.57458		
0.53	-0.54448		
0.57	-0.48626		
0.65	-0.43465		
0.71	-0.36428		
0.77	-0.27980		
0.83	-0.19634		
0.89	-0.11532		
0.95	-0.01617		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.6997	5.13	0.00	24.97 521.5	101.05 2110.5	72.87 1521.9	11.72 3.57	316.40 109.85

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.55015	0.05	0.28677
0.06	-1.74920	0.10	0.10573
0.11	-1.75426	0.20	-0.05685
0.17	-1.69892	0.35	-0.20150
0.23	-1.65417	0.50	-0.27331
0.29	-0.99925	0.65	-0.08054
0.35	-0.73379	0.80	0.23354
0.41	-0.71217	0.95	0.31168
0.47	-0.51665		
0.53	-0.49432		
0.57	-0.44893		
0.65	-0.40555		
0.71	-0.33672		
0.77	-0.26154		
0.83	-0.19002		
0.89	-0.10661		
0.95	-0.01825		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.6998	6.29	0.00	24.97 521.5	101.02 2109.8	72.84 1521.2	11.74 3.58	315.93 109.01

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.72219	0.05	0.38649
0.06	-1.89232	0.10	0.18135
0.11	-1.87591	0.20	-0.00275
0.17	-1.87646	0.35	-0.15380
0.23	-1.77382	0.50	-0.24771
0.29	-1.19146	0.65	-0.08151
0.35	-0.97502	0.80	0.23311
0.41	-0.83065	0.95	0.29851
0.47	-0.65589		
0.53	-0.51679		
0.57	-0.42259		
0.65	-0.34526		
0.71	-0.28768		
0.77	-0.22643		
0.83	-0.16531		
0.89	-0.10015		
0.95	-0.03267		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.7007	7.42	-0.01	25.02 522.6	101.05 2110.5	72.80 1520.5	11.77 3.59	315.50 108.23

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.76209	0.05	0.43236
0.06	-1.92777	0.10	0.23196
0.11	-1.92166	0.20	0.04377
0.17	-1.61178	0.35	-0.12846
0.23	-1.26239	0.50	-0.25360
0.29	-0.92028	0.65	-0.12148
0.35	-0.90220	0.80	0.20125
0.41	-0.87073	0.95	0.25026
0.47	-0.67601		
0.53	-0.61922		
0.57	-0.54722		
0.65	-0.40370		
0.71	-0.41729		
0.77	-0.43593		
0.83	-0.36686		
0.89	-0.16133		
0.95	-0.11722		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.6998	8.35	-0.02	24.97 521.5	101.02 2109.8	72.84 1521.2	11.73 3.58	316.10 109.31

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.30647	0.05	0.45570
0.06	-1.13143	0.10	0.25901
0.11	-1.22369	0.20	0.05504
0.17	-1.07068	0.35	-0.12652
0.23	-1.00436	0.50	-0.26292
0.29	-0.89627	0.65	-0.16554
0.35	-0.80758	0.80	0.17724
0.41	-0.84773	0.95	0.20461
0.47	-0.72976		
0.53	-0.68366		
0.57	-0.63277		
0.65	-0.56726		
0.71	-0.54529		
0.77	-0.50677		
0.83	-0.46863		
0.89	-0.39755		
0.95	-0.36266		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.7009	9.32	-0.02	25.02 522.6	101.02 2109.8	72.77 1519.8	11.76 3.58	315.74 108.67

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.08740	0.05	0.49311
0.06	-0.81380	0.10	0.28612
0.11	-0.94465	0.20	0.07985
0.17	-1.01423	0.35	-0.11786
0.23	-0.86426	0.50	-0.25907
0.29	-0.80126	0.65	-0.18093
0.35	-0.72717	0.80	0.15451
0.41	-0.83133	0.95	0.16575
0.47	-0.71916		
0.53	-0.68739		
0.57	-0.65259		
0.65	-0.63041		
0.71	-0.58057		
0.77	-0.52591		
0.83	-0.52086		
0.89	-0.50794		
0.95	-0.47041		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (i/m) (1/ft)	TEMP (K) (F)
16	0.7002	11.29	0.01	25.00 522.1	101.05 2110.5	72.84 1521.2	11.77 3.59	315.43 108.10

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.57780	0.05	0.53416
0.06	-0.54693	0.10	0.32391
0.11	-0.55129	0.20	0.11059
0.17	-0.61945	0.35	-0.10132
0.23	-0.55012	0.50	-0.27318
0.29	-0.54249	0.65	-0.23582
0.35	-0.59141	0.80	0.11875
0.41	-0.74496	0.95	0.12406
0.47	-0.62828		
0.53	-0.61437		
0.57	-0.61754		
0.65	-0.61576		
0.71	-0.60583		
0.77	-0.60161		
0.83	-0.58725		
0.89	-0.58447		
0.95	-0.54136		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.7004	13.25	0.02	25.00 522.1	101.02 2109.8	72.80 1520.5	11.74 3.58	315.95 109.04

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-0.49971	0.05	0.58755
	0.06	-0.49195	0.10	0.37615
	0.11	-0.49329	0.20	0.16256
	0.17	-0.49355	0.35	-0.05496
	0.23	-0.49888	0.50	-0.25110
	0.29	-0.50507	0.65	-0.23962
	0.35	-0.52117	0.80	0.10939
	0.41	-0.66639	0.95	0.10089
	0.47	-0.54068		
	0.53	-0.56033		
	0.57	-0.55490		
	0.65	-0.58084		
	0.71	-0.57642		
	0.77	-0.57784		
	0.83	-0.58058		
	0.89	-0.56891		
	0.95	-0.54423		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.6998	15.35	0.14	24.97 521.5	101.02 2109.8	72.84 1521.2	11.73 3.57	316.16 109.41

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.66422	0.05	0.70092
0.06	-1.55261	0.10	0.49657
0.11	-0.58953	0.20	0.26969
0.17	-0.52643	0.35	0.04623
0.23	-0.50789	0.50	-0.15824
0.29	-0.52184	0.65	-0.18514
0.35	-0.53473	0.80	0.13537
0.41	-0.60170	0.95	0.11910
0.47	-0.54378		
0.53	-0.54009		
0.57	-0.54946		
0.65	-0.57267		
0.71	-0.59208		
0.77	-0.61796		
0.83	-0.64277		
0.89	-0.64192		
0.95	-0.64807		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.6994	17.54	0.03	24.95 521.0	100.98 2109.1	72.84 1521.2	11.68 3.56	316.98 110.89

WING

UPPER SURFACE

X/C	CP
0.02	-1.73363
0.06	-1.79864
0.11	-1.93834
0.17	-1.23915
0.23	-1.37857
0.29	-1.23283
0.35	-0.77108
0.41	-0.68455
0.47	-0.64459
0.53	-0.63634
0.57	-0.61994
0.65	-0.64647
0.71	-0.64927
0.77	-0.62611
0.83	-0.62388
0.89	-0.64873
0.95	-0.67356

LOWER SURFACE

X/C	CP
0.05	0.72989
0.10	0.53708
0.20	0.31973
0.35	0.08279
0.50	-0.11895
0.65	-0.15002
0.80	0.15020
0.95	0.11220

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.7009	19.55	0.15	25.02 522.6	101.02 2109.8	72.77 1519.8	11.72 3.57	316.53 110.08

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.24527	0.05	0.77444
0.06	-1.14213	0.10	0.61095
0.11	-1.67642	0.20	0.40148
0.17	-1.45357	0.35	0.16299
0.23	-1.37325	0.50	-0.06136
0.29	-1.15157	0.65	-0.11964
0.35	-0.78424	0.80	0.16783
0.41	-0.75017	0.95	0.13764
0.47	-0.72026		
0.53	-0.71249		
0.57	-0.69479		
0.65	-0.68124		
0.71	-0.69990		
0.77	-0.70357		
0.83	-0.71063		
0.89	-0.71891		
0.95	-0.73579		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
11	2	OFF

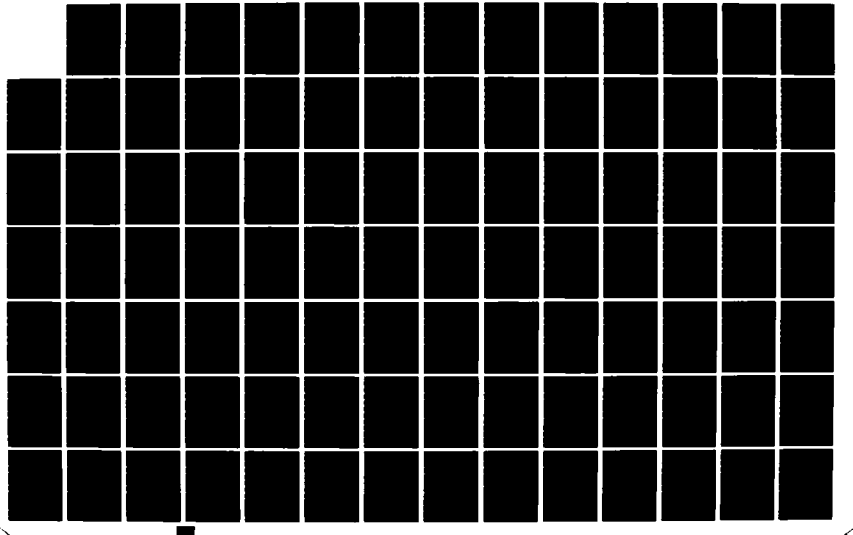
SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.7007	-1.70	0.00	25.02 522.6	101.05 2110.5	72.80 1520.5	11.75 3.58	315.95 109.04

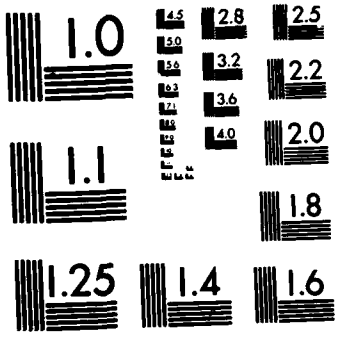
WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.17403	0.05	-0.58222
0.06	-0.38758	0.10	-0.59844
0.11	-0.43119	0.20	-0.59122
0.17	-0.41506	0.35	-0.57419
0.23	-0.38411	0.50	-0.51130
0.29	-0.39664	0.65	-0.13190
0.35	-0.41827	0.80	0.15175
0.41	-0.56186	0.95	0.26192
0.47	-0.41512		
0.53	-0.42712		
0.57	-0.38224		
0.65	-0.36745		
0.71	-0.31988		
0.77	-0.25761		
0.83	-0.18562		
0.89	-0.10594		
0.95	-0.00379		

AD-A124 068 FORCE AND PRESSURE MEASUREMENTS ON A RESEARCH MODEL WITH A LOW- MID-`AND.. (U) GENERAL DYNAMICS FORT WORTH TX FORT WORTH DIV R A COX DEC 82 FZA-540-VOL-2 3/9

UNCLASSIFIED N00014-82-C-0340 F/G 1/3 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7487	-6.41	-0.01	27.32 570.5	100.98 2109.1	69.62 1454.0	12.04 3.67	319.18 114.86

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.48772	0.05	-1.45757
0.06	0.13596	0.10	-1.41609
0.11	0.00556	0.20	-1.41087
0.17	-0.07733	0.35	-0.95007
0.23	-0.11375	0.50	-0.48175
0.29	-0.16131	0.65	-0.17688
0.35	-0.20258	0.80	0.01541
0.41	-0.25538	0.95	0.13826
0.47	-0.26183		
0.53	-0.30969		
0.57	-0.27878		
0.65	-0.31001		
0.71	-0.28322		
0.77	-0.24831		
0.83	-0.20362		
0.89	-0.12586		
0.95	-0.04208		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.7497	-5.30	-0.01	27.36 571.5	100.98 2109.1	69.55 1452.6	12.06 3.67	319.06 114.63

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.36022	0.05	-1.35997
0.06	0.02404	0.10	-1.28212
0.11	-0.08868	0.20	-1.23814
0.17	-0.15890	0.35	-1.16616
0.23	-0.17781	0.50	-0.50055
0.29	-0.23380	0.65	-0.11639
0.35	-0.25988	0.80	0.04083
0.41	-0.24484	0.95	0.17774
0.47	-0.30574		
0.53	-0.33879		
0.57	-0.31041		
0.65	-0.32263		
0.71	-0.27826		
0.77	-0.22851		
0.83	-0.16822		
0.89	-0.09322		
0.95	0.00436		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.7478	-4.08	-0.01	27.26 569.4	100.95 2108.4	69.66 1454.8	11.99 3.65	319.93 116.21

WING

UPPER SURFACE

X/C	CP
0.02	0.20480
0.06	-0.10676
0.11	-0.18355
0.17	-0.23705
0.23	-0.24747
0.29	-0.28002
0.35	-0.32517
0.41	-0.25647
0.47	-0.34572
0.53	-0.37118
0.57	-0.32926
0.65	-0.33302
0.71	-0.29310
0.77	-0.22896
0.83	-0.16059
0.89	-0.08677
0.95	0.01930

LOWER SURFACE

X/C	CP
0.05	-1.17076
0.10	-0.97771
0.20	-1.01527
0.35	-0.91016
0.50	-0.53860
0.65	-0.10968
0.80	0.08422
0.95	0.21711

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.7508	-2.90	-0.01	27.42 572.6	100.98 2109.1	69.48 1451.2	12.04 3.67	319.63 115.67

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.05069	0.05	-0.82478
0.06	-0.23680	0.10	-0.71455
0.11	-0.31094	0.20	-0.78329
0.17	-0.32989	0.35	-0.70731
0.23	-0.34702	0.50	-0.55843
0.29	-0.37395	0.65	-0.11149
0.35	-0.38372	0.80	0.11552
0.41	-0.30031	0.95	0.23240
0.47	-0.39324		
0.53	-0.40134		
0.57	-0.35797		
0.65	-0.35368		
0.71	-0.29906		
0.77	-0.23583		
0.83	-0.16612		
0.89	-0.08519		
0.95	0.02133		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.7496	-1.70	-0.01	27.37 571.6	101.02 2109.8	69.58 1453.3	12.00 3.66	320.25 116.78

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.18119	0.05	-0.58875
0.06	-0.47150	0.10	-0.60890
0.11	-0.47416	0.20	-0.62431
0.17	-0.44719	0.35	-0.63380
0.23	-0.45148	0.50	-0.55025
0.29	-0.47146	0.65	-0.11559
0.35	-0.45627	0.80	0.13722
0.41	-0.36263	0.95	0.24956
0.47	-0.44820		
0.53	-0.46878		
0.57	-0.40998		
0.65	-0.38846		
0.71	-0.33333		
0.77	-0.25961		
0.83	-0.18302		
0.89	-0.09531		
0.95	0.01224		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.7501	-0.51	-0.01	27.39 572.1	101.02 2109.8	69.55 1452.6	12.02 3.66	320.01 116.34

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.43176	0.05	-0.37690
0.06	-0.69461	0.10	-0.48320
0.11	-0.63630	0.20	-0.54230
0.17	-0.57967	0.35	-0.57955
0.23	-0.56972	0.50	-0.52061
0.29	-0.55671	0.65	-0.11180
0.35	-0.53365	0.80	0.15994
0.41	-0.42622	0.95	0.26817
0.47	-0.50758		
0.53	-0.52184		
0.57	-0.46344		
0.65	-0.43168		
0.71	-0.35547		
0.77	-0.27929		
0.83	-0.19612		
0.89	-0.10714		
0.95	0.00218		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.7513	0.60	-0.01	27.44 573.1	100.98 2109.1	69.45 1450.5	12.04 3.67	319.56 115.53

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.67151	0.05	-0.18865
0.06	-0.88626	0.10	-0.33190
0.11	-0.91321	0.20	-0.43096
0.17	-0.78422	0.35	-0.49504
0.23	-0.68428	0.50	-0.49866
0.29	-0.65419	0.65	-0.11249
0.35	-0.62136	0.80	0.18118
0.41	-0.47237	0.95	0.28972
0.47	-0.56065		
0.53	-0.55173		
0.57	-0.48424		
0.65	-0.43795		
0.71	-0.35552		
0.77	-0.27354		
0.83	-0.18962		
0.89	-0.10136		
0.95	0.00825		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.7527	1.70	-0.01	27.51 574.6	101.02 2109.8	69.38 1449.0	12.03 3.67	320.27 116.81

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.86536	0.05	-0.08187
0.06	-1.10466	0.10	-0.19591
0.11	-1.14132	0.20	-0.30215
0.17	-1.13475	0.35	-0.40928
0.23	-0.78995	0.50	-0.44510
0.29	-0.64487	0.65	-0.10897
0.35	-0.62712	0.80	0.20244
0.41	-0.57643	0.95	0.30118
0.47	-0.56715		
0.53	-0.56191		
0.57	-0.49606		
0.65	-0.44134		
0.71	-0.36090		
0.77	-0.27431		
0.83	-0.18680		
0.89	-0.10100		
0.95	0.00317		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.7496	2.98	-0.01	27.37 571.6	101.02 2109.8	69.58 1453.3	12.01 3.66	320.10 116.51

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.06244	0.05	0.08494
0.06	-1.35222	0.10	-0.07298
0.11	-1.37178	0.20	-0.21965
0.17	-1.34373	0.35	-0.34233
0.23	-1.28412	0.50	-0.40642
0.29	-1.26419	0.65	-0.11296
0.35	-0.76483	0.80	0.21162
0.41	-0.67298	0.95	0.31412
0.47	-0.52344		
0.53	-0.52853		
0.57	-0.47336		
0.65	-0.43659		
0.71	-0.35378		
0.77	-0.27890		
0.83	-0.19082		
0.89	-0.10388		
0.95	-0.00647		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.7508	4.13	-0.01	27.42 572.6	100.98 2109.1	69.48 1451.2	12.00 3.66	320.29 116.85

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.17298	0.05	0.18478
0.06	-1.46866	0.10	0.00935
0.11	-1.46228	0.20	-0.14355
0.17	-1.43891	0.35	-0.28797
0.23	-1.41792	0.50	-0.36512
0.29	-1.40695	0.65	-0.10159
0.35	-1.40285	0.80	0.22815
0.41	-0.75073	0.95	0.31841
0.47	-0.61600		
0.53	-0.50790		
0.57	-0.44433		
0.65	-0.34354		
0.71	-0.29078		
0.77	-0.21990		
0.83	-0.15749		
0.89	-0.08324		
0.95	0.00463		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.7508	5.17	0.00	27.42 572.6	100.98 2109.1	69.48 1451.2	12.01 3.66	320.14 116.58

WING

UPPER SURFACE

X/C	CP
0.02	-1.28463
0.06	-1.52059
0.11	-1.54504
0.17	-1.51008
0.23	-1.48977
0.29	-1.45399
0.35	-0.99330
0.41	-0.86416
0.47	-0.72727
0.53	-0.63386
0.57	-0.56089
0.65	-0.42908
0.71	-0.34597
0.77	-0.27205
0.83	-0.21359
0.89	-0.16355
0.95	-0.10599

LOWER SURFACE

X/C	CP
0.05	0.27174
0.10	0.07717
0.20	-0.09376
0.35	-0.25212
0.50	-0.33908
0.65	-0.12605
0.80	0.20726
0.95	0.27680

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.7487	6.24	0.01	27.32 570.5	100.98 2109.1	69.62 1454.0	12.00 3.66	320.06 116.44

WING

UPPER SURFACE

X/C	CP
0.02	-1.38737
0.06	-1.58245
0.11	-1.60193
0.17	-1.55888
0.23	-1.34461
0.29	-1.00099
0.35	-0.86698
0.41	-0.88496
0.47	-0.75120
0.53	-0.65662
0.57	-0.58881
0.65	-0.48022
0.71	-0.40253
0.77	-0.34028
0.83	-0.28624
0.89	-0.26034
0.95	-0.21201

LOWER SURFACE

X/C	CP
0.05	0.32270
0.10	0.12625
0.20	-0.06066
0.35	-0.23434
0.50	-0.33656
0.65	-0.15443
0.80	0.18999
0.95	0.23810

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.7508	7.32	0.00	27.42 572.6	100.98 2109.1	69.48 1451.2	12.03 3.67	319.71 115.80

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.33940	0.05	0.39111
0.06	-1.49374	0.10	0.20055
0.11	-1.46585	0.20	-0.00709
0.17	-1.00872	0.35	-0.18979
0.23	-1.01563	0.50	-0.31408
0.29	-0.95738	0.65	-0.16719
0.35	-0.87003	0.80	0.18165
0.41	-0.88327	0.95	0.21827
0.47	-0.68727		
0.53	-0.59658		
0.57	-0.59348		
0.65	-0.60033		
0.71	-0.52198		
0.77	-0.47912		
0.83	-0.49311		
0.89	-0.33120		
0.95	-0.26354		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.7492	8.28	-0.02	27.34 571.0	100.98 2109.1	69.58 1453.3	12.02 3.66	319.73 115.84

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-1.36282	0.05	0.42548
	0.06	-0.77484	0.10	0.22211
	0.11	-0.87821	0.20	0.02159
	0.17	-0.92167	0.35	-0.17403
	0.23	-0.99207	0.50	-0.33429
	0.29	-0.81183	0.65	-0.20859
	0.35	-0.75336	0.80	0.15081
	0.41	-0.83025	0.95	0.17274
	0.47	-0.64209		
	0.53	-0.65399		
	0.57	-0.59691		
	0.65	-0.61099		
	0.71	-0.55560		
	0.77	-0.50148		
	0.83	-0.48583		
	0.89	-0.53401		
	0.95	-0.44095		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.7501	9.30	-0.03	27.39 572.1	101.02 2109.8	69.55 1452.6	12.03 3.67	319.76 115.90

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.65052	0.05	0.47723
0.06	-0.57373	0.10	0.25769
0.11	-0.81378	0.20	0.04656
0.17	-0.60261	0.35	-0.16035
0.23	-0.54747	0.50	-0.33423
0.29	-0.57719	0.65	-0.23063
0.35	-0.73387	0.80	0.13571
0.41	-0.74151	0.95	0.16128
0.47	-0.61889		
0.53	-0.64148		
0.57	-0.61142		
0.65	-0.60524		
0.71	-0.62999		
0.77	-0.62041		
0.83	-0.59889		
0.89	-0.58526		
0.95	-0.52850		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.7501	11.33	0.02	27.39 572.1	101.02 2109.8	69.55 1452.6	12.02 3.66	319.97 116.27

WING

UPPER SURFACE

X/C	CP
0.02	-0.63507
0.06	-0.56973
0.11	-0.53927
0.17	-0.57247
0.23	-0.58015
0.29	-0.56310
0.35	-0.59025
0.41	-0.66662
0.47	-0.61561
0.53	-0.60998
0.57	-0.60025
0.65	-0.62193
0.71	-0.60925
0.77	-0.60945
0.83	-0.59932
0.89	-0.58976
0.95	-0.56246

LOWER SURFACE

X/C	CP
0.05	0.52614
0.10	0.31982
0.20	0.10656
0.35	-0.11090
0.50	-0.29502
0.65	-0.24322
0.80	0.12845
0.95	0.13967

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.7497	13.39	-0.01	27.36 571.5	100.98 2109.1	69.55 1452.6	11.99 3.66	320.31 116.88

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.49516	0.05	0.60756
0.06	-0.49348	0.10	0.40490
0.11	-0.49132	0.20	0.19098
0.17	-0.50515	0.35	-0.04335
0.23	-0.51675	0.50	-0.24237
0.29	-0.52634	0.65	-0.22690
0.35	-0.54172	0.80	0.13532
0.41	-0.61708	0.95	0.13583
0.47	-0.55601		
0.53	-0.56707		
0.57	-0.58654		
0.65	-0.58592		
0.71	-0.58852		
0.77	-0.58557		
0.83	-0.58835		
0.89	-0.59949		
0.95	-0.59018		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.7476	15.53	0.00	27.27 569.5	100.98 2109.1	69.69 1455.5	11.98 3.65	320.29 116.85

WING

UPPER SURFACE

X/C	CP
0.02	-1.53473
0.06	-1.50698
0.11	-0.65955
0.17	-0.50055
0.23	-0.49008
0.29	-0.49899
0.35	-0.50423
0.41	-0.58337
0.47	-0.51468
0.53	-0.51578
0.57	-0.52378
0.65	-0.54409
0.71	-0.57252
0.77	-0.58606
0.83	-0.61444
0.89	-0.62337
0.95	-0.62586

LOWER SURFACE

X/C	CP
0.05	0.70754
0.10	0.51152
0.20	0.28479
0.35	0.04181
0.50	-0.16573
0.65	-0.18995
0.80	0.15359
0.95	0.14595

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.7502	17.62	-0.01	27.39 572.0	100.98 2109.1	69.52 1451.9	12.02 3.66	319.84 116.04

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.26650	0.05	0.77532
0.06	-1.30269	0.10	0.59190
0.11	-0.87818	0.20	0.37159
0.17	-0.56984	0.35	0.13277
0.23	-0.54812	0.50	-0.08625
0.29	-0.53898	0.65	-0.13465
0.35	-0.53113	0.80	0.18120
0.41	-0.54691	0.95	0.16265
0.47	-0.54238		
0.53	-0.56473		
0.57	-0.56918		
0.65	-0.59219		
0.71	-0.60466		
0.77	-0.63261		
0.83	-0.62184		
0.89	-0.62658		
0.95	-0.64568		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.7502	19.61	0.03	27.39 572.0	100.98 2109.1	69.52 1451.9	11.98 3.65	320.61 117.42

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.50749	0.05	0.79488
0.06	-0.49673	0.10	0.62349
0.11	-0.50310	0.20	0.41460
0.17	-0.49358	0.35	0.17547
0.23	-0.51007	0.50	-0.03492
0.29	-0.51186	0.65	-0.10097
0.35	-0.51529	0.80	0.20096
0.41	-0.54210	0.95	0.17721
0.47	-0.53427		
0.53	-0.54042		
0.57	-0.54890		
0.65	-0.57030		
0.71	-0.57726		
0.77	-0.58166		
0.83	-0.58564		
0.89	-0.58824		
0.95	-0.57049		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
12	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.7527	-1.71	-0.01	27.51 574.6	101.02 2109.8	69.38 1449.0	12.08 3.68	319.14 114.79

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.17886	0.05	-0.55280
0.06	-0.42073	0.10	-0.59605
0.11	-0.46420	0.20	-0.62719
0.17	-0.45748	0.35	-0.63604
0.23	-0.46076	0.50	-0.55580
0.29	-0.47102	0.65	-0.11627
0.35	-0.46040	0.80	0.13279
0.41	-0.51292	0.95	0.25727
0.47	-0.44863		
0.53	-0.47187		
0.57	-0.41976		
0.65	-0.39970		
0.71	-0.32744		
0.77	-0.25188		
0.83	-0.17553		
0.89	-0.09176		
0.95	0.01787		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7814	-6.34	-0.02	28.84 602.3	100.98 2109.1	67.47 1409.1	12.31 3.75	319.29 115.06

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.42115	0.05	-1.29728
0.06	0.08899	0.10	-1.26663
0.11	-0.02204	0.20	-1.26823
0.17	-0.09205	0.35	-0.80919
0.23	-0.13717	0.50	-0.51161
0.29	-0.19513	0.65	-0.35191
0.35	-0.23499	0.80	-0.19490
0.41	-0.31159	0.95	-0.02927
0.47	-0.31369		
0.53	-0.37539		
0.57	-0.35030		
0.65	-0.39712		
0.71	-0.35778		
0.77	-0.31896		
0.83	-0.27949		
0.89	-0.24356		
0.95	-0.20514		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.7814	-5.28	-0.02	28.84 602.3	100.98 2109.1	67.47 1409.1	12.29 3.75	319.76 115.90

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.33923	0.05	-1.20551
0.06	0.00573	0.10	-1.18459
0.11	-0.09965	0.20	-1.18318
0.17	-0.17181	0.35	-1.14360
0.23	-0.19504	0.50	-0.44398
0.29	-0.24911	0.65	-0.19688
0.35	-0.29354	0.80	-0.02180
0.41	-0.29264	0.95	0.13104
0.47	-0.34476		
0.53	-0.38890		
0.57	-0.35271		
0.65	-0.37017		
0.71	-0.33983		
0.77	-0.27906		
0.83	-0.20753		
0.89	-0.13478		
0.95	-0.03024		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.7825	-4.24	-0.02	28.89 603.3	100.98 2109.1	67.40 1407.6	12.27 3.74	320.42 117.08

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.21541	0.05	-1.07874
0.06	-0.10194	0.10	-0.95920
0.11	-0.20281	0.20	-0.98615
0.17	-0.23886	0.35	-1.10754
0.23	-0.26096	0.50	-0.48045
0.29	-0.30754	0.65	-0.13551
0.35	-0.32824	0.80	-0.00028
0.41	-0.30471	0.95	0.15873
0.47	-0.36467		
0.53	-0.40644		
0.57	-0.36651		
0.65	-0.36769		
0.71	-0.30915		
0.77	-0.23805		
0.83	-0.17193		
0.89	-0.10411		
0.95	0.00205		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.7797	-2.96	-0.02	28.77 600.9	101.02 2109.8	67.60 1411.9	12.23 3.73	320.76 117.69

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.04286	0.05	-0.75509
0.06	-0.25009	0.10	-0.81682
0.11	-0.33208	0.20	-0.86913
0.17	-0.34708	0.35	-0.85308
0.23	-0.35696	0.50	-0.49492
0.29	-0.38583	0.65	-0.09776
0.35	-0.39675	0.80	0.05726
0.41	-0.33596	0.95	0.20773
0.47	-0.41733		
0.53	-0.44618		
0.57	-0.39274		
0.65	-0.38073		
0.71	-0.30972		
0.77	-0.23532		
0.83	-0.15765		
0.89	-0.07299		
0.95	0.03740		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.7804	-1.76	-0.02	28.79 601.3	100.98 2109.1	67.54 1410.5	12.21 3.72	321.26 118.60

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.13564	0.05	-0.55924
0.06	-0.41921	0.10	-0.59571
0.11	-0.46435	0.20	-0.68203
0.17	-0.47041	0.35	-0.75040
0.23	-0.47654	0.50	-0.53015
0.29	-0.50077	0.65	-0.09813
0.35	-0.49714	0.80	0.10196
0.41	-0.37899	0.95	0.23943
0.47	-0.48871		
0.53	-0.50063		
0.57	-0.44140		
0.65	-0.40565		
0.71	-0.33743		
0.77	-0.25208		
0.83	-0.16623		
0.89	-0.07218		
0.95	0.03956		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.7814	-0.62	-0.02	28.84 602.3	100.98 2109.1	67.47 1409.1	12.25 3.73	320.64 117.49

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.35106	0.05	-0.36956
0.06	-0.64207	0.10	-0.44649
0.11	-0.61943	0.20	-0.53978
0.17	-0.65456	0.35	-0.66100
0.23	-0.60435	0.50	-0.56030
0.29	-0.58878	0.65	-0.09706
0.35	-0.58125	0.80	0.14673
0.41	-0.45739	0.95	0.26246
0.47	-0.53676		
0.53	-0.55844		
0.57	-0.47660		
0.65	-0.43040		
0.71	-0.34687		
0.77	-0.25952		
0.83	-0.17193		
0.89	-0.07526		
0.95	0.03426		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.7799	0.53	-0.01	28.77 600.8	100.98 2109.1	67.57 1411.2	12.24 3.73	320.42 117.08

WING

UPPER SURFACE

X/C	CP
0.02	-0.58479
0.06	-0.84946
0.11	-0.90706
0.17	-0.77876
0.23	-0.77488
0.29	-0.72395
0.35	-0.62438
0.41	-0.51987
0.47	-0.57012
0.53	-0.57199
0.57	-0.48953
0.65	-0.43535
0.71	-0.35334
0.77	-0.26393
0.83	-0.17462
0.89	-0.07904
0.95	0.02795

LOWER SURFACE

X/C	CP
0.05	-0.20158
0.10	-0.32586
0.20	-0.43023
0.35	-0.53759
0.50	-0.52029
0.65	-0.09392
0.80	0.18025
0.95	0.28701

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.7809	1.81	-0.01	28.81 601.8	100.98 2109.1	67.50 1409.8	12.27 3.74	320.03 116.38

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.77190	0.05	-0.06837
0.06	-1.05735	0.10	-0.19978
0.11	-1.07145	0.20	-0.32677
0.17	-1.08359	0.35	-0.46752
0.23	-1.06612	0.50	-0.48758
0.29	-1.06081	0.65	-0.09677
0.35	-0.94305	0.80	0.20069
0.41	-0.61628	0.95	0.31003
0.47	-0.54712		
0.53	-0.47042		
0.57	-0.42712		
0.65	-0.39209		
0.71	-0.33266		
0.77	-0.25226		
0.83	-0.16972		
0.89	-0.07826		
0.95	0.02086		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.7820	2.90	-0.01	28.86 602.8	100.98 2109.1	67.43 1408.3	12.27 3.74	320.19 116.68

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-0.91704	0.05	0.07198
	0.06	-1.20572	0.10	-0.09319
	0.11	-1.22422	0.20	-0.24974
	0.17	-1.20373	0.35	-0.38977
	0.23	-1.20249	0.50	-0.45671
	0.29	-1.19665	0.65	-0.10334
	0.35	-1.19073	0.80	0.21470
	0.41	-0.78315	0.95	0.31385
	0.47	-0.97866		
	0.53	-0.51034		
	0.57	-0.42639		
	0.65	-0.34483		
	0.71	-0.28261		
	0.77	-0.21487		
	0.83	-0.14305		
	0.89	-0.06440		
	0.95	0.02229		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.7790	4.01	-0.01	28.72 599.8	100.95 2108.4	67.60 1411.9	12.24 3.73	320.21 116.71

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-1.01037	0.05	0.16525
	0.06	-1.30721	0.10	-0.01080
	0.11	-1.30106	0.20	-0.16405
	0.17	-1.29483	0.35	-0.31845
	0.23	-1.29380	0.50	-0.40589
	0.29	-1.29595	0.65	-0.11827
	0.35	-1.23906	0.80	0.20822
	0.41	-0.91182	0.95	0.28097
	0.47	-0.66416		
	0.53	-0.59646		
	0.57	-0.53771		
	0.65	-0.44722		
	0.71	-0.37196		
	0.77	-0.29839		
	0.83	-0.22865		
	0.89	-0.14025		
	0.95	-0.09145		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.7799	5.07	0.01	28.77 600.8	100.98 2109.1	67.57 1411.2	12.23 3.73	320.70 117.59

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-1.10304	0.05	0.24006
	0.06	-1.36430	0.10	0.04848
	0.11	-1.37758	0.20	-0.12128
	0.17	-1.36764	0.35	-0.30399
	0.23	-1.29574	0.50	-0.43900
	0.29	-1.05331	0.65	-0.17991
	0.35	-0.78274	0.80	0.17525
	0.41	-0.92780	0.95	0.23088
	0.47	-0.68247		
	0.53	-0.62329		
	0.57	-0.57555		
	0.65	-0.50018		
	0.71	-0.44155		
	0.77	-0.37289		
	0.83	-0.30700		
	0.89	-0.28117		
	0.95	-0.23093		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.7818	6.22	0.01	28.87 602.9	101.02 2109.8	67.47 1409.1	12.26 3.74	320.47 117.18

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.19979	0.05	0.31360
0.06	-1.42237	0.10	0.11578
0.11	-1.45279	0.20	-0.07666
0.17	-1.41331	0.35	-0.26902
0.23	-1.19670	0.50	-0.40550
0.29	-0.87483	0.65	-0.19250
0.35	-0.78950	0.80	0.17019
0.41	-0.91045	0.95	0.21220
0.47	-0.69385		
0.53	-0.64948		
0.57	-0.60939		
0.65	-0.52772		
0.71	-0.50365		
0.77	-0.44800		
0.83	-0.40800		
0.89	-0.36084		
0.95	-0.32268		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.7809	7.22	0.01	28.81 601.8	100.98 2109.1	67.50 1409.8	12.25 3.73	320.55 117.32

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.24270	0.05	0.37190
0.06	-1.10251	0.10	0.17157
0.11	-0.73887	0.20	-0.02107
0.17	-1.25570	0.35	-0.21748
0.23	-0.99824	0.50	-0.38860
0.29	-0.82639	0.65	-0.19892
0.35	-0.74649	0.80	0.16587
0.41	-0.79155	0.95	0.20987
0.47	-0.66849		
0.53	-0.64669		
0.57	-0.60146		
0.65	-0.59278		
0.71	-0.55292		
0.77	-0.52349		
0.83	-0.46637		
0.89	-0.50139		
0.95	-0.46213		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.7941	8.24	-0.02	29.40 614.1	100.95 2108.4	66.61 1391.2	12.38 3.77	319.95 116.24

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.32661	0.05	0.43893
0.06	-1.49389	0.10	0.24475
0.11	-1.50778	0.20	0.04680
0.17	-1.48505	0.35	-0.15364
0.23	-1.14464	0.50	-0.33707
0.29	-0.76779	0.65	-0.18787
0.35	-0.80099	0.80	0.17577
0.41	-0.74129	0.95	0.20719
0.47	-0.49138		
0.53	-0.55150		
0.57	-0.52807		
0.65	-0.53816		
0.71	-0.53579		
0.77	-0.54006		
0.83	-0.54611		
0.89	-0.54672		
0.95	-0.53305		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.7801	9.28	-0.02	28.77 600.8	100.95 2108.4	67.54 1410.5	12.26 3.74	320.08 116.48

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.60932	0.05	0.46186
0.06	-0.73337	0.10	0.26548
0.11	-0.56949	0.20	0.06510
0.17	-0.98043	0.35	-0.15474
0.23	-0.67593	0.50	-0.36425
0.29	-0.57949	0.65	-0.23869
0.35	-0.64147	0.80	0.14288
0.41	-0.74633	0.95	0.16421
0.47	-0.63947		
0.53	-0.64636		
0.57	-0.61757		
0.65	-0.61552		
0.71	-0.63565		
0.77	-0.63679		
0.83	-0.60274		
0.89	-0.60187		
0.95	-0.56060		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.7790	11.34	-0.01	28.72 599.8	100.95 2108.4	67.60 1411.9	12.24 3.73	320.21 116.71

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.62503	0.05	0.53831
0.06	-0.56454	0.10	0.33067
0.11	-0.53943	0.20	0.12301
0.17	-0.53539	0.35	-0.11092
0.23	-0.54416	0.50	-0.32143
0.29	-0.54477	0.65	-0.25016
0.35	-0.58731	0.80	0.13454
0.41	-0.66941	0.95	0.15731
0.47	-0.60167		
0.53	-0.63644		
0.57	-0.61292		
0.65	-0.62931		
0.71	-0.62014		
0.77	-0.60945		
0.83	-0.60841		
0.89	-0.59965		
0.95	-0.56199		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.7792	13.47	-0.06	28.72 599.8	100.92 2107.7	67.57 1411.2	12.24 3.73	320.25 116.78

WING

UPPER SURFACE

X/C	CP
0.02	-0.51854
0.06	-0.51133
0.11	-0.50241
0.17	-0.51761
0.23	-0.51180
0.29	-0.52359
0.35	-0.55145
0.41	-0.61343
0.47	-0.57153
0.53	-0.59300
0.57	-0.58721
0.65	-0.60435
0.71	-0.62124
0.77	-0.61760
0.83	-0.61017
0.89	-0.59533
0.95	-0.58071

LOWER SURFACE

X/C	CP
0.05	0.62190
0.10	0.41510
0.20	0.20268
0.35	-0.03157
0.50	-0.24265
0.65	-0.22083
0.80	0.14747
0.95	0.15629

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.7797	15.47	-0.01	28.74 600.3	100.92 2107.7	67.54 1410.5	12.22 3.72	320.81 117.79

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-0.48951	0.05	0.69065
	0.06	-0.50352	0.10	0.49676
	0.11	-0.50200	0.20	0.27648
	0.17	-0.51793	0.35	0.03967
	0.23	-0.52900	0.50	-0.18111
	0.29	-0.52943	0.65	-0.19172
	0.35	-0.54728	0.80	0.16158
	0.41	-0.58089	0.95	0.16841
	0.47	-0.56755		
	0.53	-0.57709		
	0.57	-0.58089		
	0.65	-0.60010		
	0.71	-0.60505		
	0.77	-0.60545		
	0.83	-0.61985		
	0.89	-0.60854		
	0.95	-0.60869		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.7802	17.61	0.07	28.77 600.8	100.92 2107.7	67.50 1409.8	12.20 3.72	321.26 118.60

WING

UPPER SURFACE

X/C	CP
0.02	-0.60341
0.06	-0.52795
0.11	-0.55591
0.17	-0.57242
0.23	-0.54648
0.29	-0.54545
0.35	-0.54772
0.41	-0.56224
0.47	-0.55917
0.53	-0.56939
0.57	-0.58124
0.65	-0.58498
0.71	-0.60621
0.77	-0.60140
0.83	-0.60289
0.89	-0.64349
0.95	-0.64148

LOWER SURFACE

X/C	CP
0.05	0.74827
0.10	0.56074
0.20	0.34973
0.35	0.11717
0.50	-0.10848
0.65	-0.14217
0.80	0.18834
0.95	0.18560

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.7797	19.68	0.07	28.74 600.3	100.92 2107.7	67.54 1410.5	12.20 3.72	321.17 118.43

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.52314	0.05	0.80337
0.06	-0.51638	0.10	0.63425
0.11	-0.51339	0.20	0.42036
0.17	-0.52617	0.35	0.18534
0.23	-0.50644	0.50	-0.02966
0.29	-0.51501	0.65	-0.08175
0.35	-0.52617	0.80	0.21967
0.41	-0.54205	0.95	0.20300
0.47	-0.54727		
0.53	-0.56570		
0.57	-0.58597		
0.65	-0.58973		
0.71	-0.57919		
0.77	-0.56933		
0.83	-0.58114		
0.89	-0.59128		
0.95	-0.57303		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
13	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.7811	-1.81	-0.01	28.81 601.8	100.95 2108.4	67.47 1409.1	12.26 3.74	320.31 116.88

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-0.12465	0.05	-0.57500
	0.06	-0.41272	0.10	-0.59670
	0.11	-0.44904	0.20	-0.68743
	0.17	-0.48211	0.35	-0.76857
	0.23	-0.46946	0.50	-0.52618
	0.29	-0.46687	0.65	-0.09212
	0.35	-0.48165	0.80	0.10248
	0.41	-0.52274	0.95	0.24243
	0.47	-0.48238		
	0.53	-0.50160		
	0.57	-0.44432		
	0.65	-0.41616		
	0.71	-0.33087		
	0.77	-0.24735		
	0.83	-0.16332		
	0.89	-0.06828		
	0.95	0.04439		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8004	-6.30	-0.01	29.69 620.0	100.95 2108.4	66.20 1382.6	12.37 3.77	321.13 118.36

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.42573	0.05	-1.22237
0.06	0.08277	0.10	-1.18847
0.11	-0.02647	0.20	-1.20384
0.17	-0.12584	0.35	-0.63894
0.23	-0.15943	0.50	-0.49510
0.29	-0.21562	0.65	-0.37549
0.35	-0.26262	0.80	-0.26763
0.41	-0.30729	0.95	-0.12945
0.47	-0.34824		
0.53	-0.41632		
0.57	-0.39210		
0.65	-0.46353		
0.71	-0.42603		
0.77	-0.38424		
0.83	-0.34104		
0.89	-0.31543		
0.95	-0.26107		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.8012	-5.26	-0.02	29.73 621.0	100.98 2109.1	66.17 1381.9	12.39 3.78	320.92 117.99

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.28610	0.05	-1.10872
0.06	-0.00300	0.10	-1.07110
0.11	-0.11449	0.20	-1.11635
0.17	-0.18308	0.35	-1.05510
0.23	-0.22477	0.50	-0.45488
0.29	-0.28363	0.65	-0.29855
0.35	-0.30650	0.80	-0.16721
0.41	-0.29587	0.95	-0.00367
0.47	-0.37404		
0.53	-0.45398		
0.57	-0.41547		
0.65	-0.45682		
0.71	-0.40205		
0.77	-0.33611		
0.83	-0.27444		
0.89	-0.20398		
0.95	-0.14519		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.8014	-4.20	-0.02	29.73 620.9	100.95 2108.4	66.13 1381.2	12.40 3.78	320.76 117.69

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.20541	0.05	-1.00812
0.06	-0.10681	0.10	-0.91219
0.11	-0.19753	0.20	-0.92319
0.17	-0.25317	0.35	-1.05879
0.23	-0.27477	0.50	-0.46948
0.29	-0.31499	0.65	-0.22005
0.35	-0.35852	0.80	-0.08522
0.41	-0.30783	0.95	0.15659
0.47	-0.40175		
0.53	-0.46768		
0.57	-0.41862		
0.65	-0.43134		
0.71	-0.37783		
0.77	-0.30024		
0.83	-0.23272		
0.89	-0.13974		
0.95	-0.05298		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.8012	-3.03	-0.02	29.73 621.0	100.98 2109.1	66.17 1381.9	12.39 3.78	320.98 118.09

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	0.04163	0.05	-0.73438
	0.06	-0.24543	0.10	-0.80179
	0.11	-0.32668	0.20	-0.84068
	0.17	-0.35366	0.35	-0.80357
	0.23	-0.37124	0.50	-0.55487
	0.29	-0.40777	0.65	-0.14178
	0.35	-0.43041	0.80	-0.03870
	0.41	-0.36206	0.95	0.10798
	0.47	-0.45000		
	0.53	-0.50243		
	0.57	-0.43705		
	0.65	-0.41855		
	0.71	-0.33520		
	0.77	-0.25416		
	0.83	-0.17123		
	0.89	-0.08334		
	0.95	0.02661		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.8004	-1.88	-0.02	29.69 620.0	100.95 2108.4	66.20 1382.6	12.39 3.78	320.72 117.62

WING

UPPER SURFACE

X/C	CP
0.02	-0.12238
0.06	-0.42820
0.11	-0.45796
0.17	-0.48286
0.23	-0.48515
0.29	-0.50725
0.35	-0.51647
0.41	-0.40622
0.47	-0.50815
0.53	-0.54670
0.57	-0.47506
0.65	-0.42217
0.71	-0.33375
0.77	-0.24410
0.83	-0.15836
0.89	-0.06689
0.95	0.04402

LOWER SURFACE

X/C	CP
0.05	-0.53381
0.10	-0.57083
0.20	-0.68786
0.35	-0.79244
0.50	-0.77814
0.65	-0.11943
0.80	0.00329
0.95	0.18239

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.8019	-0.69	-0.02	29.75 621.4	100.95 2108.4	66.09 1380.4	12.40 3.78	320.66 117.52

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.32586	0.05	-0.35295
0.06	-0.62232	0.10	-0.46457
0.11	-0.62477	0.20	-0.55828
0.17	-0.67894	0.35	-0.68543
0.23	-0.68435	0.50	-0.82328
0.29	-0.58524	0.65	-0.08648
0.35	-0.63210	0.80	0.10378
0.41	-0.47431	0.95	0.24378
0.47	-0.59535		
0.53	-0.59292		
0.57	-0.49626		
0.65	-0.42080		
0.71	-0.33307		
0.77	-0.24166		
0.83	-0.15347		
0.89	-0.06060		
0.95	0.04857		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.8012	0.57	-0.02	29.73 621.0	100.98 2109.1	66.17 1381.9	12.38 3.77	321.11 118.33

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.52227	0.05	-0.19852
0.06	-0.79263	0.10	-0.33648
0.11	-0.90384	0.20	-0.44906
0.17	-0.89159	0.35	-0.59764
0.23	-0.84263	0.50	-0.61156
0.29	-0.79832	0.65	-0.08666
0.35	-0.83703	0.80	0.16187
0.41	-0.56837	0.95	0.27060
0.47	-0.71418		
0.53	-0.53151		
0.57	-0.44884		
0.65	-0.40685		
0.71	-0.32634		
0.77	-0.24342		
0.83	-0.15712		
0.89	-0.06682		
0.95	0.03796		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.7996	1.79	-0.02	29.66 619.5	100.98 2109.1	66.27 1384.1	12.39 3.78	320.70 117.59

WING

UPPER SURFACE

X/C	CP
0.02	-0.69344
0.06	-0.97057
0.11	-1.02238
0.17	-1.04043
0.23	-1.05116
0.29	-1.00076
0.35	-1.01155
0.41	-0.72589
0.47	-0.93276
0.53	-0.74939
0.57	-0.43092
0.65	-0.34824
0.71	-0.28237
0.77	-0.21564
0.83	-0.14086
0.89	-0.05857
0.95	0.03635

LOWER SURFACE

X/C	CP
0.05	-0.05823
0.10	-0.20115
0.20	-0.34270
0.35	-0.49910
0.50	-0.53235
0.65	-0.09015
0.80	0.19661
0.95	0.30179

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.8005	2.94	-0.01	29.71 620.5	101.02 2109.8	66.23 1383.3	12.40 3.78	320.66 117.52

WING

UPPER SURFACE

X/C	CP
0.02	-0.82940
0.06	-1.12843
0.11	-1.17018
0.17	-1.16098
0.23	-1.15473
0.29	-1.13996
0.35	-1.16527
0.41	-0.85018
0.47	-0.96927
0.53	-0.57647
0.57	-0.52607
0.65	-0.40396
0.71	-0.31790
0.77	-0.25388
0.83	-0.18163
0.89	-0.08599
0.95	-0.00439

LOWER SURFACE

X/C	CP
0.05	0.06619
0.10	-0.10792
0.20	-0.25140
0.35	-0.41411
0.50	-0.53059
0.65	-0.12464
0.80	0.18922
0.95	0.27510

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.8016	4.01	0.00	29.76 621.5	101.02 2109.8	66.17 1381.9	12.42 3.79	320.46 117.15

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.91971	0.05	0.16503
0.06	-1.21072	0.10	-0.02363
0.11	-1.20635	0.20	-0.19850
0.17	-1.21931	0.35	-0.38068
0.23	-1.22860	0.50	-0.49965
0.29	-1.19245	0.65	-0.15559
0.35	-1.04130	0.80	0.17881
0.41	-0.89984	0.95	0.24738
0.47	-0.60588		
0.53	-0.57539		
0.57	-0.54403		
0.65	-0.48947		
0.71	-0.43043		
0.77	-0.37730		
0.83	-0.33178		
0.89	-0.25490		
0.95	-0.20699		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.8004	5.06	0.00	29.69 620.0	100.95 2108.4	66.20 1382.6	12.41 3.78	320.27 116.81

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.00999	0.05	0.22195
0.06	-1.27651	0.10	0.03351
0.11	-1.27816	0.20	-0.14977
0.17	-1.29043	0.35	-0.33369
0.23	-1.27808	0.50	-0.49850
0.29	-1.06162	0.65	-0.19554
0.35	-0.72345	0.80	0.15556
0.41	-0.88410	0.95	0.21081
0.47	-0.63531		
0.53	-0.61357		
0.57	-0.57830		
0.65	-0.51668		
0.71	-0.46150		
0.77	-0.41945		
0.83	-0.37961		
0.89	-0.34215		
0.95	-0.29829		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.7991	6.12	0.01	29.64 619.0	100.98 2109.1	66.30 1384.8	12.40 3.78	320.51 117.25

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.11271	0.05	0.30807
0.06	-1.34087	0.10	0.10542
0.11	-1.35985	0.20	-0.07445
0.17	-1.30947	0.35	-0.26745
0.23	-1.13491	0.50	-0.44296
0.29	-0.87262	0.65	-0.20250
0.35	-0.73450	0.80	0.16245
0.41	-0.85955	0.95	0.20554
0.47	-0.65719		
0.53	-0.61518		
0.57	-0.59517		
0.65	-0.54555		
0.71	-0.50172		
0.77	-0.45704		
0.83	-0.42559		
0.89	-0.39230		
0.95	-0.34645		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.8002	7.22	0.01	29.69 620.0	100.98 2109.1	66.23 1383.3	12.42 3.79	320.06 116.44

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.17078	0.05	0.36740
0.06	-1.26624	0.10	0.15385
0.11	-1.11406	0.20	-0.04540
0.17	-1.11918	0.35	-0.24764
0.23	-0.95358	0.50	-0.44247
0.29	-0.79326	0.65	-0.22000
0.35	-0.74353	0.80	0.15468
0.41	-0.80789	0.95	0.20487
0.47	-0.68085		
0.53	-0.63717		
0.57	-0.62904		
0.65	-0.60554		
0.71	-0.58579		
0.77	-0.56964		
0.83	-0.51382		
0.89	-0.47537		
0.95	-0.42575		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.8009	8.36	-0.02	29.70 620.4	100.95 2108.4	66.17 1381.9	12.40 3.78	320.47 117.18

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.30169	0.05	0.42960
0.06	-1.43758	0.10	0.21673
0.11	-0.88260	0.20	0.01238
0.17	-1.49504	0.35	-0.20203
0.23	-1.30184	0.50	-0.40665
0.29	-0.81641	0.65	-0.23321
0.35	-0.91024	0.80	0.15041
0.41	-0.82799	0.95	0.18041
0.47	-0.53297		
0.53	-0.56459		
0.57	-0.59376		
0.65	-0.63023		
0.71	-0.62573		
0.77	-0.60296		
0.83	-0.61537		
0.89	-0.58895		
0.95	-0.58479		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.8007	9.29	-0.01	29.71 620.5	100.98 2109.1	66.20 1382.6	12.40 3.78	320.73 117.65

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.74117	0.05	0.45685
0.06	-0.68940	0.10	0.25119
0.11	-0.59372	0.20	0.04922
0.17	-0.66927	0.35	-0.17241
0.23	-0.59193	0.50	-0.39723
0.29	-0.65536	0.65	-0.24728
0.35	-0.78873	0.80	0.14008
0.41	-0.80167	0.95	0.17386
0.47	-0.63084		
0.53	-0.59805		
0.57	-0.61120		
0.65	-0.64096		
0.71	-0.62239		
0.77	-0.62330		
0.83	-0.59372		
0.89	-0.61698		
0.95	-0.57915		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.7991	11.26	-0.01	29.64 619.0	100.98 2109.1	66.30 1384.8	12.40 3.78	320.47 117.18

WING

UPPER SURFACE

X/C	CP
0.02	-0.66232
0.06	-0.56970
0.11	-0.59711
0.17	-0.57379
0.23	-0.59306
0.29	-0.59125
0.35	-1.00468
0.41	-0.74178
0.47	-0.78707
0.53	-0.60857
0.57	-0.61508
0.65	-0.62618
0.71	-0.62777
0.77	-0.63013
0.83	-0.61604
0.89	-0.59231
0.95	-0.56925

LOWER SURFACE

X/C	CP
0.05	0.53471
0.10	0.33159
0.20	0.11955
0.35	-0.10406
0.50	-0.33373
0.65	-0.24664
0.80	0.14319
0.95	0.16617

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.7988	13.49	0.05	29.61 618.5	100.95 2108.4	66.30 1384.8	12.39 3.78	320.42 117.08

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.47697	0.05	0.63434
0.06	-1.41671	0.10	0.43161
0.11	-1.28918	0.20	0.21212
0.17	-1.26410	0.35	-0.02132
0.23	-1.25772	0.50	-0.24484
0.29	-1.27209	0.65	-0.21298
0.35	-1.19239	0.80	0.16621
0.41	-0.80722	0.95	0.17976
0.47	-0.71484		
0.53	-0.60091		
0.57	-0.52782		
0.65	-0.56912		
0.71	-0.58602		
0.77	-0.60944		
0.83	-0.62309		
0.89	-0.64736		
0.95	-0.64891		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.8007	15.53	0.00	29.71 620.5	100.98 2109.1	66.20 1382.6	12.36 3.77	321.41 118.87

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.50378	0.05	0.69513
0.06	-0.50374	0.10	0.49818
0.11	-0.50691	0.20	0.28560
0.17	-0.51119	0.35	0.06047
0.23	-0.51917	0.50	-0.16729
0.29	-0.53518	0.65	-0.17198
0.35	-0.52805	0.80	0.18492
0.41	-0.75592	0.95	0.19240
0.47	-0.56480		
0.53	-0.58222		
0.57	-0.57841		
0.65	-0.59262		
0.71	-0.60425		
0.77	-0.60390		
0.83	-0.59958		
0.89	-0.61077		
0.95	-0.60412		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.7993	17.61	0.03	29.64 619.0	100.95 2108.4	66.27 1384.1	12.40 3.78	320.19 116.68

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.53731	0.05	0.75931
0.06	-0.52511	0.10	0.57807
0.11	-0.50174	0.20	0.36446
0.17	-0.60468	0.35	0.12339
0.23	-0.56963	0.50	-0.09151
0.29	-0.53174	0.65	-0.12001
0.35	-0.53392	0.80	0.21333
0.41	-0.66697	0.95	0.21048
0.47	-0.54528		
0.53	-0.58117		
0.57	-0.59818		
0.65	-0.58634		
0.71	-0.60649		
0.77	-0.60919		
0.83	-0.60890		
0.89	-0.60378		
0.95	-0.59076		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.7998	19.70	0.07	29.66 619.5	100.95 2108.4	66.23 1383.3	12.39 3.78	320.59 117.39

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.52040	0.05	0.81207
0.06	-0.52324	0.10	0.64830
0.11	-0.51918	0.20	0.43845
0.17	-0.51702	0.35	0.20269
0.23	-0.50711	0.50	-0.01526
0.29	-0.52997	0.65	-0.06270
0.35	-0.53122	0.80	0.23687
0.41	-0.60863	0.95	0.22667
0.47	-0.53424		
0.53	-0.55241		
0.57	-0.55551		
0.65	-0.57629		
0.71	-0.57134		
0.77	-0.56313		
0.83	-0.57832		
0.89	-0.58577		
0.95	-0.58375		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
14	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.8004	-1.82	-0.01	29.69 620.0	100.95 2108.4	66.20 1382.6	12.40 3.78	320.36 116.98

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.12598	0.05	-0.54192
0.06	-0.42808	0.10	-0.55315
0.11	-0.44789	0.20	-0.67521
0.17	-0.47359	0.35	-0.76604
0.23	-0.48919	0.50	-0.77012
0.29	-0.50945	0.65	-0.12097
0.35	-0.52648	0.80	0.00650
0.41	-0.58894	0.95	0.18821
0.47	-0.51576		
0.53	-0.56106		
0.57	-0.47975		
0.65	-0.42129		
0.71	-0.33572		
0.77	-0.24970		
0.83	-0.16131		
0.89	-0.06224		
0.95	0.04980		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8202	-6.35	-0.02	30.57 638.5	100.98 2109.1	64.92 1355.8	12.54 3.82	320.83 117.82

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.40727	0.05	-1.12160
0.06	0.07063	0.10	-1.10907
0.11	-0.04863	0.20	-1.13979
0.17	-0.12846	0.35	-0.56611
0.23	-0.17107	0.50	-0.48278
0.29	-0.22972	0.65	-0.39991
0.35	-0.26138	0.80	-0.32998
0.41	-0.40122	0.95	-0.24912
0.47	-0.36406		
0.53	-0.46022		
0.57	-0.41472		
0.65	-0.54493		
0.71	-0.55811		
0.77	-0.46110		
0.83	-0.38940		
0.89	-0.35883		
0.95	-0.31935		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.8213	-5.20	-0.01	30.62 639.5	100.98 2109.1	64.84 1354.3	12.55 3.83	320.66 117.52

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.28840	0.05	-1.04051
0.06	-0.02535	0.10	-0.99014
0.11	-0.12936	0.20	-1.04660
0.17	-0.19997	0.35	-1.02519
0.23	-0.23701	0.50	-0.44765
0.29	-0.28468	0.65	-0.35996
0.35	-0.32688	0.80	-0.25252
0.41	-0.36628	0.95	-0.08227
0.47	-0.39756		
0.53	-0.49565		
0.57	-0.44519		
0.65	-0.54085		
0.71	-0.48118		
0.77	-0.37412		
0.83	-0.30896		
0.89	-0.27120		
0.95	-0.22023		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.8204	-4.12	-0.02	30.57 638.5	100.95 2108.4	64.88 1355.1	12.54 3.82	320.77 117.72

WING

UPPER SURFACE

X/C	CP
0.02	0.18220
0.06	-0.12435
0.11	-0.22246
0.17	-0.27325
0.23	-0.30698
0.29	-0.34366
0.35	-0.37506
0.41	-0.36012
0.47	-0.42939
0.53	-0.52309
0.57	-0.48310
0.65	-0.51512
0.71	-0.44810
0.77	-0.33691
0.83	-0.26576
0.89	-0.20523
0.95	-0.14018

LOWER SURFACE

X/C	CP
0.05	-0.91963
0.10	-0.84270
0.20	-0.86462
0.35	-1.00449
0.50	-0.41060
0.65	-0.30177
0.80	-0.19047
0.95	-0.05676

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.8210	-2.96	-0.02	30.59 638.9	100.95 2108.4	64.84 1354.3	12.49 3.81	321.84 119.64

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.02831	0.05	-0.68115
0.06	-0.27437	0.10	-0.75733
0.11	-0.33014	0.20	-0.81140
0.17	-0.37991	0.35	-0.93044
0.23	-0.40857	0.50	-0.50003
0.29	-0.43514	0.65	-0.21303
0.35	-0.47465	0.80	-0.12800
0.41	-0.39530	0.95	0.02061
0.47	-0.49255		
0.53	-0.57442		
0.57	-0.54995		
0.65	-0.51569		
0.71	-0.36350		
0.77	-0.28154		
0.83	-0.20353		
0.89	-0.10795		
0.95	-0.00161		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.8204	-1.78	-0.02	30.57 638.5	100.95 2108.4	64.88 1355.1	12.52 3.82	321.14 118.39

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.13356	0.05	-0.49886
0.06	-0.45889	0.10	-0.53910
0.11	-0.50434	0.20	-0.71336
0.17	-0.50267	0.35	-0.76125
0.23	-0.50953	0.50	-0.67472
0.29	-0.53193	0.65	-0.16339
0.35	-0.57290	0.80	-0.08775
0.41	-0.43379	0.95	0.05861
0.47	-0.54661		
0.53	-0.60406		
0.57	-0.57456		
0.65	-0.41454		
0.71	-0.32360		
0.77	-0.24065		
0.83	-0.15609		
0.89	-0.07519		
0.95	0.02741		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.8197	-0.66	-0.02	30.55 638.0	100.98 2109.1	64.95 1356.5	12.51 3.81	321.28 118.63

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.30762	0.05	-0.31658
0.06	-0.58404	0.10	-0.42674
0.11	-0.59214	0.20	-0.56618
0.17	-0.67003	0.35	-0.67976
0.23	-0.67547	0.50	-0.83777
0.29	-0.69724	0.65	-0.13362
0.35	-0.66127	0.80	-0.00454
0.41	-0.49195	0.95	0.17897
0.47	-0.62601		
0.53	-0.64288		
0.57	-0.62453		
0.65	-0.39612		
0.71	-0.29908		
0.77	-0.21896		
0.83	-0.13346		
0.89	-0.04068		
0.95	0.06465		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.8199	0.52	-0.02	30.55 638.0	100.95 2108.4	64.92 1355.8	12.39 3.78	323.69 122.97

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-0.48276	0.05	-0.19323
	0.06	-0.73566	0.10	-0.34346
	0.11	-0.84797	0.20	-0.45887
	0.17	-0.85525	0.35	-0.61615
	0.23	-0.81702	0.50	-0.75719
	0.29	-0.77989	0.65	-0.08697
	0.35	-0.81159	0.80	0.09019
	0.41	-0.59126	0.95	0.25567
	0.47	-0.85979		
	0.53	-0.81554		
	0.57	-0.69334		
	0.65	-0.34383		
	0.71	-0.27612		
	0.77	-0.20061		
	0.83	-0.11902		
	0.89	-0.03460		
	0.95	0.06017		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.8194	1.81	-0.01	30.52 637.5	100.95 2108.4	64.95 1356.5	12.39 3.78	323.59 122.80

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.64237	0.05	-0.03301
0.06	-0.92816	0.10	-0.19911
0.11	-0.98834	0.20	-0.33575
0.17	-0.98605	0.35	-0.52239
0.23	-0.99466	0.50	-0.70992
0.29	-1.01001	0.65	-0.08849
0.35	-1.02465	0.80	0.15206
0.41	-0.69464	0.95	0.26994
0.47	-0.93997		
0.53	-0.97552		
0.57	-0.83135		
0.65	-0.38626		
0.71	-0.29430		
0.77	-0.21081		
0.83	-0.12844		
0.89	-0.04164		
0.95	0.04735		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.8204	2.96	-0.01	30.57 638.5	100.95 2108.4	64.88 1355.1	12.38 3.77	323.92 123.38

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.75771	0.05	0.04888
0.06	-1.03162	0.10	-0.11112
0.11	-1.09364	0.20	-0.26823
0.17	-1.08869	0.35	-0.46061
0.23	-1.10241	0.50	-0.67024
0.29	-1.09518	0.65	-0.13976
0.35	-1.11924	0.80	0.14070
0.41	-0.79478	0.95	0.24114
0.47	-0.57331		
0.53	-0.51705		
0.57	-0.49939		
0.65	-0.45008		
0.71	-0.40365		
0.77	-0.34055		
0.83	-0.28519		
0.89	-0.25310		
0.95	-0.19307		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.8204	4.01	0.00	30.57 638.5	100.95 2108.4	64.88 1355.1	12.39 3.78	323.78 123.14

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.84020	0.05	0.14296
0.06	-1.13110	0.10	-0.03767
0.11	-1.15968	0.20	-0.22234
0.17	-1.16213	0.35	-0.41587
0.23	-1.17628	0.50	-0.63282
0.29	-1.14741	0.65	-0.18131
0.35	-0.78249	0.80	0.13414
0.41	-0.83298	0.95	0.21229
0.47	-0.58189		
0.53	-0.55272		
0.57	-0.53617		
0.65	-0.49099		
0.71	-0.45287		
0.77	-0.42247		
0.83	-0.38170		
0.89	-0.33042		
0.95	-0.28475		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.8211	5.03	0.01	30.59 638.9	100.92 2107.7	64.81 1353.6	12.40 3.78	323.44 122.53

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.91225	0.05	0.21317
0.06	-1.20129	0.10	0.01377
0.11	-1.20732	0.20	-0.15276
0.17	-1.22322	0.35	-0.35291
0.23	-1.19520	0.50	-0.59931
0.29	-1.00703	0.65	-0.19777
0.35	-0.67563	0.80	0.13498
0.41	-0.81728	0.95	0.20345
0.47	-0.60404		
0.53	-0.57678		
0.57	-0.55743		
0.65	-0.52201		
0.71	-0.50046		
0.77	-0.45566		
0.83	-0.42884		
0.89	-0.38390		
0.95	-0.33803		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.8201	6.14	0.02	30.54 637.9	100.92 2107.7	64.88 1355.1	12.37 3.77	323.99 123.51

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.02074	0.05	0.27233
0.06	-1.25865	0.10	0.09925
0.11	-1.26901	0.20	-0.09163
0.17	-1.26034	0.35	-0.30251
0.23	-1.10793	0.50	-0.55140
0.29	-0.83207	0.65	-0.21970
0.35	-0.69967	0.80	0.13994
0.41	-0.80430	0.95	0.19422
0.47	-0.62103		
0.53	-0.58754		
0.57	-0.57887		
0.65	-0.55680		
0.71	-0.51614		
0.77	-0.49414		
0.83	-0.45827		
0.89	-0.43445		
0.95	-0.37914		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.8204	7.33	0.01	30.57 638.5	100.95 2108.4	64.88 1355.1	12.39 3.78	323.73 123.04

WING

UPPER SURFACE

X/C	CP
0.02	-1.01799
0.06	-0.93966
0.11	-1.06276
0.17	-1.09774
0.23	-0.85641
0.29	-0.76680
0.35	-0.74975
0.41	-0.76858
0.47	-0.64491
0.53	-0.63199
0.57	-0.62110
0.65	-0.60413
0.71	-0.59903
0.77	-0.57719
0.83	-0.54932
0.89	-0.51929
0.95	-0.44872

LOWER SURFACE

X/C	CP
0.05	0.36268
0.10	0.14865
0.20	-0.04451
0.35	-0.25950
0.50	-0.48128
0.65	-0.22586
0.80	0.15192
0.95	0.19242

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.8211	8.34	0.00	30.59 638.9	100.92 2107.7	64.81 1353.6	12.36 3.77	324.33 124.12

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.86388	0.05	0.42112
0.06	-0.81943	0.10	0.21438
0.11	-0.96540	0.20	0.00411
0.17	-0.59861	0.35	-0.21811
0.23	-0.66428	0.50	-0.46312
0.29	-0.72062	0.65	-0.24566
0.35	-0.62369	0.80	0.15239
0.41	-0.75640	0.95	0.18893
0.47	-0.63917		
0.53	-0.66416		
0.57	-0.60257		
0.65	-0.57266		
0.71	-0.64480		
0.77	-0.63583		
0.83	-0.62073		
0.89	-0.57617		
0.95	-0.55486		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.8185	9.33	0.01	30.48 636.5	100.92 2107.7	64.98 1357.2	12.31 3.75	324.98 125.29

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.09576	0.05	0.46378
0.06	-1.34562	0.10	0.25519
0.11	-1.14100	0.20	0.04737
0.17	-1.15966	0.35	-0.17922
0.23	-1.11400	0.50	-0.43370
0.29	-0.79375	0.65	-0.24495
0.35	-0.79295	0.80	0.15459
0.41	-0.76996	0.95	0.18073
0.47	-0.56963		
0.53	-0.57270		
0.57	-0.58200		
0.65	-0.60293		
0.71	-0.62694		
0.77	-0.60864		
0.83	-0.59767		
0.89	-0.61464		
0.95	-0.61169		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.8211	11.33	-0.01	30.59 638.9	100.92 2107.7	64.81 1353.6	12.35 3.76	324.66 124.72

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-0.70538	0.05	0.54047
	0.06	-0.62538	0.10	0.34319
	0.11	-0.57573	0.20	0.12826
	0.17	-0.53743	0.35	-0.10625
	0.23	-0.58010	0.50	-0.35350
	0.29	-0.59889	0.65	-0.24328
	0.35	-0.75771	0.80	0.15562
	0.41	-0.72227	0.95	0.19028
	0.47	-0.60173		
	0.53	-0.65283		
	0.57	-0.61907		
	0.65	-0.61986		
	0.71	-0.63049		
	0.77	-0.60601		
	0.83	-0.59583		
	0.89	-0.59371		
	0.95	-0.56986		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.8190	13.51	0.08	30.50 637.0	100.92 2107.7	64.95 1356.5	12.34 3.76	324.53 124.49

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.44844	0.05	0.64004
0.06	-1.38900	0.10	0.43572
0.11	-1.29758	0.20	0.22632
0.17	-0.67512	0.35	-0.01200
0.23	-1.09268	0.50	-0.25351
0.29	-1.20747	0.65	-0.21154
0.35	-1.23062	0.80	0.17638
0.41	-0.77935	0.95	0.19825
0.47	-0.82932		
0.53	-0.53750		
0.57	-0.47889		
0.65	-0.56184		
0.71	-0.57278		
0.77	-0.60526		
0.83	-0.61717		
0.89	-0.63962		
0.95	-0.64775		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.8196	15.53	0.00	30.52 637.5	100.92 2107.7	64.92 1355.8	12.31 3.75	325.15 125.60

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.50700	0.05	0.70616
0.06	-0.51537	0.10	0.51865
0.11	-0.51152	0.20	0.29783
0.17	-0.51929	0.35	0.05605
0.23	-0.52715	0.50	-0.16742
0.29	-0.51941	0.65	-0.16382
0.35	-0.52631	0.80	0.20177
0.41	-0.76544	0.95	0.21143
0.47	-0.55510		
0.53	-0.57812		
0.57	-0.58607		
0.65	-0.59080		
0.71	-0.59787		
0.77	-0.60767		
0.83	-0.60219		
0.89	-0.59722		
0.95	-0.59240		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.8208	17.65	0.04	30.57 638.4	100.88 2107.0	64.81 1353.6	12.33 3.76	324.91 125.16

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.54056	0.05	0.77927
0.06	-0.51262	0.10	0.58744
0.11	-0.52701	0.20	0.37535
0.17	-0.52415	0.35	0.14306
0.23	-0.51393	0.50	-0.07887
0.29	-0.54337	0.65	-0.10604
0.35	-0.52896	0.80	0.23003
0.41	-0.66743	0.95	0.23556
0.47	-0.55231		
0.53	-0.56505		
0.57	-0.56459		
0.65	-0.58875		
0.71	-0.59917		
0.77	-0.60786		
0.83	-0.59987		
0.89	-0.59764		
0.95	-0.59242		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.8190	19.79	0.07	30.50 637.0	100.92 2107.7	64.95 1356.5	12.28 3.74	325.59 126.40

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.52132	0.05	0.82465
0.06	-0.50693	0.10	0.66101
0.11	-0.51934	0.20	0.45220
0.17	-0.52570	0.35	0.22066
0.23	-0.53370	0.50	-0.00127
0.29	-0.54075	0.65	-0.04414
0.35	-0.54124	0.80	0.25739
0.41	-0.61708	0.95	0.25429
0.47	-0.52895		
0.53	-0.55526		
0.57	-0.56178		
0.65	-0.56391		
0.71	-0.58131		
0.77	-0.58508		
0.83	-0.57309		
0.89	-0.55745		
0.95	-0.53196		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
15	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.8217	-1.82	-0.01	30.61 639.4	100.92 2107.7	64.78 1352.9	12.34 3.76	324.89 125.13

WING

UPPER SURFACE

X/C	CP
0.02	-0.13427
0.06	-0.44302
0.11	-0.45982
0.17	-0.51199
0.23	-0.50462
0.29	-0.51836
0.35	-0.57002
0.41	-0.58908
0.47	-0.54784
0.53	-0.61074
0.57	-0.57232
0.65	-0.40565
0.71	-0.32346
0.77	-0.23970
0.83	-0.15708
0.89	-0.07514
0.95	0.02215

LOWER SURFACE

X/C	CP
0.05	-0.50547
0.10	-0.52338
0.20	-0.68160
0.35	-0.75950
0.50	-0.65388
0.65	-0.16155
0.80	-0.08107
0.95	0.08500

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
16	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8522	-6.18	-0.02	31.91 666.5	100.92 2107.7	62.78 1311.2	12.50 3.81	325.86 126.88

WING

UPPER SURFACE

X/C	CP
0.02	0.38860
0.06	0.07070
0.11	-0.05158
0.17	-0.13708
0.23	-0.17660
0.29	-0.23647
0.35	-0.28458
0.41	-0.35207
0.47	-0.36567
0.53	-0.47467
0.57	-0.44388
0.65	-0.57003
0.71	-0.62133
0.77	-0.65921
0.83	-0.67765
0.89	-0.70693
0.95	-0.53840

LOWER SURFACE

X/C	CP
0.05	-1.00639
0.10	-1.00109
0.20	-1.04104
0.35	-0.53988
0.50	-0.44235
0.65	-0.40215
0.80	-0.36797
0.95	-0.33199

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
16	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.8513	-5.04	-0.01	31.87 665.6	100.88 2107.0	62.81 1311.8	12.45 3.79	326.64 128.29

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.26339	0.05	-0.89220
0.06	-0.05124	0.10	-0.87284
0.11	-0.14981	0.20	-0.94916
0.17	-0.21640	0.35	-0.95269
0.23	-0.25268	0.50	-0.38837
0.29	-0.30742	0.65	-0.34672
0.35	-0.35335	0.80	-0.30972
0.41	-0.33442	0.95	-0.24030
0.47	-0.41897		
0.53	-0.50729		
0.57	-0.48790		
0.65	-0.61655		
0.71	-0.65263		
0.77	-0.68620		
0.83	-0.69986		
0.89	-0.55678		
0.95	-0.27436		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
16	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.8488	-3.95	-0.02	31.76 663.4	100.88 2107.0	62.98 1315.3	12.37 3.77	328.03 130.78

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.14970	0.05	-0.76067
0.06	-0.16089	0.10	-0.70875
0.11	-0.25418	0.20	-0.80533
0.17	-0.31149	0.35	-0.94001
0.23	-0.33247	0.50	-0.33952
0.29	-0.38748	0.65	-0.29393
0.35	-0.42129	0.80	-0.25397
0.41	-0.35489	0.95	-0.20021
0.47	-0.47747		
0.53	-0.55427		
0.57	-0.52354		
0.65	-0.65260		
0.71	-0.70285		
0.77	-0.73766		
0.83	-0.61833		
0.89	-0.29905		
0.95	-0.20447		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
16	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.8513	-2.88	-0.02	31.87 665.6	100.88 2107.0	62.81 1311.8	12.39 3.78	327.84 130.44

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	0.02119	0.05	-0.58373
	0.06	-0.30446	0.10	-0.65355
	0.11	-0.36045	0.20	-0.72092
	0.17	-0.43816	0.35	-0.86037
	0.23	-0.42946	0.50	-0.59186
	0.29	-0.45560	0.65	-0.26363
	0.35	-0.52575	0.80	-0.22182
	0.41	-0.38423	0.95	-0.04401
	0.47	-0.55328		
	0.53	-0.59902		
	0.57	-0.56660		
	0.65	-0.69485		
	0.71	-0.74935		
	0.77	-0.78164		
	0.83	-0.37117		
	0.89	-0.16613		
	0.95	-0.09110		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
16	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.8498	-1.75	-0.02	31.81 664.3	100.88 2107.0	62.91 1313.9	12.37 3.77	328.08 130.88

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-0.09044	0.05	-0.40331
	0.06	-0.43664	0.10	-0.48768
	0.11	-0.48089	0.20	-0.67429
	0.17	-0.51843	0.35	-0.68587
	0.23	-0.56395	0.50	-0.69662
	0.29	-0.60072	0.65	-0.20800
	0.35	-0.57151	0.80	-0.16386
	0.41	-0.43518	0.95	-0.06728
	0.47	-0.59105		
	0.53	-0.66187		
	0.57	-0.61399		
	0.65	-0.71509		
	0.71	-0.77392		
	0.77	-0.37320		
	0.83	-0.19035		
	0.89	-0.10034		
	0.95	-0.02919		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
16	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.8502	-0.59	-0.02	31.83 664.8	100.92 2107.7	62.91 1313.9	12.34 3.76	328.72 132.02

WING

UPPER SURFACE

X/C	CP
0.02	-0.25387
0.06	-0.53012
0.11	-0.62762
0.17	-0.63279
0.23	-0.65628
0.29	-0.66205
0.35	-0.71506
0.41	-0.49831
0.47	-0.71306
0.53	-0.76787
0.57	-0.71528
0.65	-0.79074
0.71	-0.43123
0.77	-0.21962
0.83	-0.13785
0.89	-0.06493
0.95	0.00241

LOWER SURFACE

X/C	CP
0.05	-0.27935
0.10	-0.39988
0.20	-0.52217
0.35	-0.65281
0.50	-0.79543
0.65	-0.20351
0.80	-0.15087
0.95	-0.01886

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
16	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.8522	0.47	-0.02	31.91 666.5	100.92 2107.7	62.78 1311.2	12.37 3.77	328.55 131.72

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.41026	0.05	-0.17763
0.06	-0.66800	0.10	-0.29942
0.11	-0.75973	0.20	-0.43590
0.17	-0.78120	0.35	-0.57464
0.23	-0.79970	0.50	-0.75349
0.29	-0.80203	0.65	-0.21757
0.35	-0.79085	0.80	-0.15586
0.41	-0.57762	0.95	-0.01917
0.47	-0.81418		
0.53	-0.88196		
0.57	-0.82475		
0.65	-0.37278		
0.71	-0.28682		
0.77	-0.22216		
0.83	-0.15544		
0.89	-0.10272		
0.95	-0.02930		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
16	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.8508	1.58	-0.01	31.85 665.1	100.88 2107.0	62.84 1312.5	12.38 3.77	327.92 130.58

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.52451	0.05	-0.07809
0.06	-0.80056	0.10	-0.22603
0.11	-0.85156	0.20	-0.36103
0.17	-0.88576	0.35	-0.53823
0.23	-0.90449	0.50	-0.72161
0.29	-0.92465	0.65	-0.28464
0.35	-0.93761	0.80	-0.22344
0.41	-0.65572	0.95	-0.01025
0.47	-0.88570		
0.53	-0.70755		
0.57	-0.41299		
0.65	-0.34198		
0.71	-0.31104		
0.77	-0.27587		
0.83	-0.24103		
0.89	-0.16495		
0.95	-0.12999		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
16	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.8498	2.72	-0.01	31.81 664.3	100.88 2107.0	62.91 1313.9	12.39 3.78	327.63 130.07

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.61932	0.05	0.02478
0.06	-0.90693	0.10	-0.13497
0.11	-0.95824	0.20	-0.29208
0.17	-0.98368	0.35	-0.47927
0.23	-0.98535	0.50	-0.67491
0.29	-0.99760	0.65	-0.29959
0.35	-1.00886	0.80	-0.19393
0.41	-0.71046	0.95	0.03199
0.47	-0.46357		
0.53	-0.42864		
0.57	-0.40929		
0.65	-0.38569		
0.71	-0.36865		
0.77	-0.34610		
0.83	-0.31703		
0.89	-0.27006		
0.95	-0.23326		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
16	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.8508	3.85	0.00	31.85 665.1	100.88 2107.0	62.84 1312.5	12.42 3.79	327.09 129.10

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-0.69789	0.05	0.12668
	0.06	-0.97716	0.10	-0.05391
	0.11	-1.04516	0.20	-0.22115
	0.17	-1.06250	0.35	-0.43119
	0.23	-1.06167	0.50	-0.65172
	0.29	-1.05667	0.65	-0.32465
	0.35	-0.70944	0.80	-0.16073
	0.41	-0.71653	0.95	0.12402
	0.47	-0.49043		
	0.53	-0.48337		
	0.57	-0.46363		
	0.65	-0.43789		
	0.71	-0.41494		
	0.77	-0.37891		
	0.83	-0.35143		
	0.89	-0.33455		
	0.95	-0.30170		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
16	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.8507	4.97	0.00	31.85 665.2	100.92 2107.7	62.88 1313.2	12.44 3.79	326.81 128.59

WING

UPPER SURFACE

X/C	CP
0.02	-0.81104
0.06	-1.09558
0.11	-1.11644
0.17	-1.10945
0.23	-1.08513
0.29	-0.90199
0.35	-0.63313
0.41	-0.72284
0.47	-0.55871
0.53	-0.54186
0.57	-0.52027
0.65	-0.51381
0.71	-0.46931
0.77	-0.43790
0.83	-0.42421
0.89	-0.41590
0.95	-0.38292

LOWER SURFACE

X/C	CP
0.05	0.20875
0.10	0.01826
0.20	-0.16488
0.35	-0.37532
0.50	-0.60537
0.65	-0.28069
0.80	-0.07442
0.95	0.13972

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
16	2	OFF

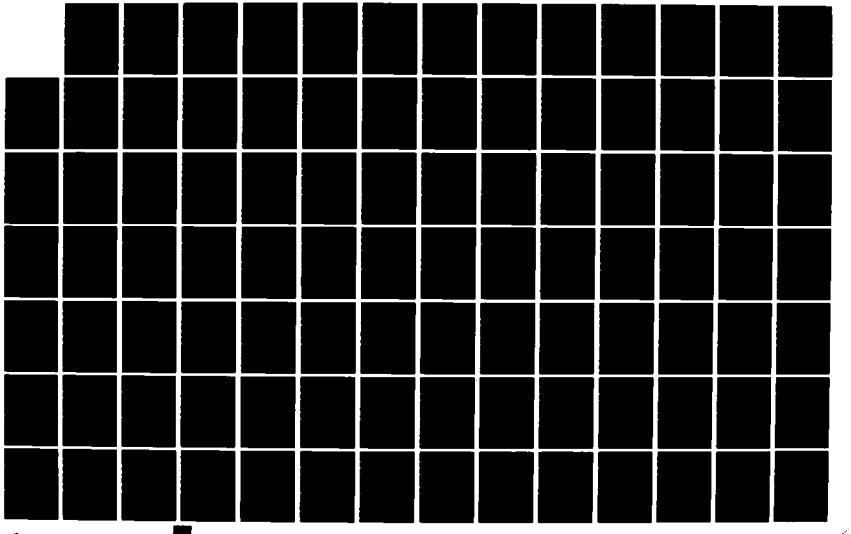
SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.8512	6.11	0.02	31.87 665.6	100.92 2107.7	62.84 1312.5	12.43 3.79	327.09 129.10

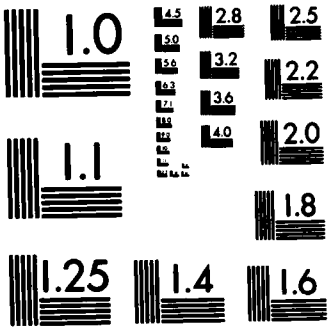
WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.90556	0.05	0.28559
0.06	-1.16806	0.10	0.08692
0.11	-1.16294	0.20	-0.11374
0.17	-1.15075	0.35	-0.32552
0.23	-1.02585	0.50	-0.57401
0.29	-0.78279	0.65	-0.29009
0.35	-0.65784	0.80	-0.00631
0.41	-0.73305	0.95	0.17042
0.47	-0.58904		
0.53	-0.56979		
0.57	-0.54602		
0.65	-0.54491		
0.71	-0.53019		
0.77	-0.51503		
0.83	-0.48775		
0.89	-0.47922		
0.95	-0.43795		

AD-A124 068 FORCE AND PRESSURE MEASUREMENTS ON A RESEARCH MODEL WITH A LOW- MID- AND.. (U) GENERAL DYNAMICS FORT WORTH TX FORT WORTH DIV R A COX DEC 82 FZA-540-VOL-2 4/9

UNCLASSIFIED N00014-82-C-0340 F/G 1/3 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
16	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.8507	7.33	0.03	31.85 665.2	100.92 2107.7	62.88 1313.2	12.40 3.78	327.73 130.24

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-1.00393	0.05	0.35675
	0.06	-1.19323	0.10	0.15365
	0.11	-1.22284	0.20	-0.04635
	0.17	-1.11936	0.35	-0.26891
	0.23	-0.90918	0.50	-0.52265
	0.29	-0.72814	0.65	-0.24241
	0.35	-0.64796	0.80	0.11346
	0.41	-0.71312	0.95	0.19173
	0.47	-0.61611		
	0.53	-0.59329		
	0.57	-0.57391		
	0.65	-0.56408		
	0.71	-0.55482		
	0.77	-0.56346		
	0.83	-0.55821		
	0.89	-0.54851		
	0.95	-0.51413		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
16	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.8498	8.36	0.01	31.81 664.3	100.88 2107.0	62.91 1313.9	12.42 3.79	326.96 128.86

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.05474	0.05	0.41669
0.06	-0.96486	0.10	0.22187
0.11	-0.73117	0.20	0.01261
0.17	-0.81011	0.35	-0.21489
0.23	-0.95522	0.50	-0.48323
0.29	-0.72655	0.65	-0.22440
0.35	-0.66333	0.80	0.14371
0.41	-0.69149	0.95	0.20447
0.47	-0.62872		
0.53	-0.63507		
0.57	-0.61497		
0.65	-0.62745		
0.71	-0.62980		
0.77	-0.63530		
0.83	-0.61841		
0.89	-0.59711		
0.95	-0.54662		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
16	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.8492	11.50	-0.06	31.79 663.9	100.92 2107.7	62.98 1315.3	12.42 3.79	326.98 128.89

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.52915	0.05	0.56168
0.06	-0.56389	0.10	0.35458
0.11	-0.60021	0.20	0.13613
0.17	-0.68384	0.35	-0.10093
0.23	-0.65559	0.50	-0.36981
0.29	-0.65664	0.65	-0.22753
0.35	-0.58212	0.80	0.17843
0.41	-0.66461	0.95	0.21846
0.47	-0.64127		
0.53	-0.65599		
0.57	-0.63922		
0.65	-0.66170		
0.71	-0.61863		
0.77	-0.62936		
0.83	-0.60674		
0.89	-0.61019		
0.95	-0.60208		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
16	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.8513	13.74	-0.03	31.87 665.6	100.88 2107.0	62.81 1311.8	12.41 3.78	327.32 129.50

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.52824	0.05	0.64594
0.06	-0.52984	0.10	0.45463
0.11	-0.52310	0.20	0.23443
0.17	-0.52677	0.35	-0.00398
0.23	-0.51816	0.50	-0.25761
0.29	-0.54091	0.65	-0.18322
0.35	-0.55743	0.80	0.20667
0.41	-0.59161	0.95	0.24041
0.47	-0.57610		
0.53	-0.56960		
0.57	-0.56908		
0.65	-0.58197		
0.71	-0.63028		
0.77	-0.62918		
0.83	-0.62533		
0.89	-0.64477		
0.95	-0.62125		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
16	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.8507	15.78	-0.08	31.85 665.2	100.92 2107.7	62.88 1313.2	12.39 3.78	327.89 130.54

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.51213	0.05	0.71964
0.06	-0.50707	0.10	0.52808
0.11	-0.50781	0.20	0.31121
0.17	-0.51592	0.35	0.07521
0.23	-0.50916	0.50	-0.14994
0.29	-0.52836	0.65	-0.13460
0.35	-0.54074	0.80	0.22639
0.41	-0.57187	0.95	0.24978
0.47	-0.56423		
0.53	-0.56934		
0.57	-0.56330		
0.65	-0.58416		
0.71	-0.59458		
0.77	-0.59444		
0.83	-0.60010		
0.89	-0.60468		
0.95	-0.59402		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
16	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.8497	17.90	-0.08	31.81 664.3	100.92 2107.7	62.94 1314.6	12.40 3.78	327.36 129.57

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.52910	0.05	0.78679
0.06	-0.51202	0.10	0.60499
0.11	-0.51977	0.20	0.39935
0.17	-0.50875	0.35	0.16508
0.23	-0.51181	0.50	-0.05799
0.29	-0.52459	0.65	-0.06934
0.35	-0.52742	0.80	0.25925
0.41	-0.55018	0.95	0.26604
0.47	-0.56310		
0.53	-0.55867		
0.57	-0.54976		
0.65	-0.57691		
0.71	-0.55972		
0.77	-0.56853		
0.83	-0.58549		
0.89	-0.58741		
0.95	-0.58896		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
16	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.8485	19.94	0.11	31.77 663.5	100.95 2108.4	63.04 1316.6	12.40 3.78	327.36 129.57

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-0.52650	0.05	0.83787
	0.06	-0.53700	0.10	0.67853
	0.11	-0.59721	0.20	0.46762
	0.17	-0.55767	0.35	0.23523
	0.23	-0.54433	0.50	0.02077
	0.29	-0.54215	0.65	-0.01591
	0.35	-0.54777	0.80	0.28409
	0.41	-0.56380	0.95	0.28396
	0.47	-0.56401		
	0.53	-0.59347		
	0.57	-0.58432		
	0.65	-0.61906		
	0.71	-0.59874		
	0.77	-0.58537		
	0.83	-0.60330		
	0.89	-0.57810		
	0.95	-0.57929		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
16	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.8520	-1.82	-0.01	31.92 666.6	100.95 2108.4	62.81 1311.9	12.42 3.79	327.48 129.80

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.11242	0.05	-0.44582
0.06	-0.43355	0.10	-0.46657
0.11	-0.45755	0.20	-0.66533
0.17	-0.53232	0.35	-0.67855
0.23	-0.55153	0.50	-0.71926
0.29	-0.56250	0.65	-0.22745
0.35	-0.55962	0.80	-0.18795
0.41	-0.55863	0.95	-0.07272
0.47	-0.58721		
0.53	-0.66591		
0.57	-0.62190		
0.65	-0.71248		
0.71	-0.77283		
0.77	-0.43856		
0.83	-0.21015		
0.89	-0.13069		
0.95	-0.05622		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8996	-6.47	-0.01	33.80 706.0	100.88 2107.0	59.67 1246.2	12.60 3.84	329.22 132.93

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	0.43008	0.05	-0.85155
	0.06	0.11278	0.10	-0.87391
	0.11	-0.01268	0.20	-0.92759
	0.17	-0.09070	0.35	-0.94555
	0.23	-0.13680	0.50	-0.49498
	0.29	-0.19356	0.65	-0.48940
	0.35	-0.24493	0.80	-0.50597
	0.41	-0.41365	0.95	-0.51003
	0.47	-0.31699		
	0.53	-0.41163		
	0.57	-0.38787		
	0.65	-0.51762		
	0.71	-0.57635		
	0.77	-0.60608		
	0.83	-0.63394		
	0.89	-0.67178		
	0.95	-0.72630		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.9014	-5.24	-0.01	33.88 707.7	100.92 2107.7	59.57 1244.2	12.62 3.85	329.13 132.77

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	0.29933	0.05	-0.75518
	0.06	-0.02239	0.10	-0.77434
	0.11	-0.11067	0.20	-0.84252
	0.17	-0.18278	0.35	-0.84655
	0.23	-0.21938	0.50	-0.49662
	0.29	-0.28041	0.65	-0.44403
	0.35	-0.32628	0.80	-0.46571
	0.41	-0.36143	0.95	-0.46721
	0.47	-0.37552		
	0.53	-0.45458		
	0.57	-0.42755		
	0.65	-0.55314		
	0.71	-0.61327		
	0.77	-0.65868		
	0.83	-0.68193		
	0.89	-0.71315		
	0.95	-0.75717		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.9011	-4.06	-0.02	33.86 707.2	100.88 2107.0	59.57 1244.2	12.61 3.84	329.24 132.97

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.17569	0.05	-0.64884
0.06	-0.11374	0.10	-0.58458
0.11	-0.20785	0.20	-0.68028
0.17	-0.27921	0.35	-0.82452
0.23	-0.30875	0.50	-0.70035
0.29	-0.34070	0.65	-0.43587
0.35	-0.40745	0.80	-0.44236
0.41	-0.35795	0.95	-0.41755
0.47	-0.44394		
0.53	-0.52620		
0.57	-0.49097		
0.65	-0.59514		
0.71	-0.65325		
0.77	-0.69582		
0.83	-0.73332		
0.89	-0.77496		
0.95	-0.71137		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.9006	-2.87	-0.02	33.84 706.8	100.88 2107.0	59.60 1244.8	12.60 3.84	329.48 133.40

WING

UPPER SURFACE

X/C	CP
0.02	0.05227
0.06	-0.24424
0.11	-0.29975
0.17	-0.38837
0.23	-0.42914
0.29	-0.46634
0.35	-0.44833
0.41	-0.39452
0.47	-0.50503
0.53	-0.57933
0.57	-0.55837
0.65	-0.64833
0.71	-0.67966
0.77	-0.73127
0.83	-0.76656
0.89	-0.68737
0.95	-0.32469

LOWER SURFACE

X/C	CP
0.05	-0.43437
0.10	-0.55558
0.20	-0.64276
0.35	-0.77584
0.50	-0.88031
0.65	-0.42186
0.80	-0.42450
0.95	-0.36403

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.9001	-1.69	-0.02	33.82 706.4	100.88 2107.0	59.63 1245.5	12.59 3.84	329.60 133.61

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.06559	0.05	-0.30631
0.06	-0.36654	0.10	-0.39232
0.11	-0.40404	0.20	-0.56971
0.17	-0.50453	0.35	-0.72940
0.23	-0.50874	0.50	-0.71649
0.29	-0.53256	0.65	-0.44973
0.35	-0.59022	0.80	-0.40739
0.41	-0.42180	0.95	-0.33295
0.47	-0.59515		
0.53	-0.65830		
0.57	-0.62478		
0.65	-0.71953		
0.71	-0.77467		
0.77	-0.76501		
0.83	-0.39555		
0.89	-0.27517		
0.95	-0.24990		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.9011	-0.63	-0.02	33.86 707.2	100.88 2107.0	59.57 1244.2	12.59 3.84	329.69 133.77

WING

UPPER SURFACE

X/C	CP
0.02	-0.19334
0.06	-0.42850
0.11	-0.54575
0.17	-0.57096
0.23	-0.58103
0.29	-0.60906
0.35	-0.66073
0.41	-0.46605
0.47	-0.70847
0.53	-0.75760
0.57	-0.71804
0.65	-0.79072
0.71	-0.56187
0.77	-0.31312
0.83	-0.28421
0.89	-0.25779
0.95	-0.24629

LOWER SURFACE

X/C	CP
0.05	-0.22011
0.10	-0.31236
0.20	-0.51047
0.35	-0.55265
0.50	-0.71767
0.65	-0.54329
0.80	-0.43076
0.95	-0.31493

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.9021	0.60	-0.01	33.90 708.0	100.88 2107.0	59.51 1242.8	12.57 3.83	330.23 134.75

WING

UPPER SURFACE

X/C	CP
0.02	-0.28717
0.06	-0.56156
0.11	-0.64759
0.17	-0.69143
0.23	-0.70997
0.29	-0.73315
0.35	-0.75572
0.41	-0.51313
0.47	-0.76580
0.53	-0.80107
0.57	-0.79819
0.65	-0.35234
0.71	-0.31636
0.77	-0.29944
0.83	-0.29019
0.89	-0.28737
0.95	-0.28199

LOWER SURFACE

X/C	CP
0.05	-0.10293
0.10	-0.22367
0.20	-0.38531
0.35	-0.51560
0.50	-0.67092
0.65	-1.04835
0.80	-0.44794
0.95	-0.27968

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.9011	1.56	-0.01	33.86 707.2	100.88 2107.0	59.57 1244.2	12.60 3.84	329.56 133.54

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.39338	0.05	-0.03217
0.06	-0.66274	0.10	-0.18251
0.11	-0.73259	0.20	-0.32605
0.17	-0.75790	0.35	-0.47383
0.23	-0.78632	0.50	-0.65276
0.29	-0.81536	0.65	-1.04016
0.35	-0.82858	0.80	-0.48371
0.41	-0.57576	0.95	-0.25756
0.47	-0.81536		
0.53	-0.86066		
0.57	-0.54349		
0.65	-0.36026		
0.71	-0.35952		
0.77	-0.34966		
0.83	-0.33873		
0.89	-0.32428		
0.95	-0.31286		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.9006	2.65	-0.01	33.84 706.8	100.88 2107.0	59.60 1244.8	12.59 3.84	329.75 133.88

WING

UPPER SURFACE

X/C	CP
0.02	-0.47368
0.06	-0.74643
0.11	-0.81513
0.17	-0.85299
0.23	-0.85962
0.29	-0.87053
0.35	-0.90616
0.41	-0.63285
0.47	-0.82558
0.53	-0.59109
0.57	-0.44047
0.65	-0.41038
0.71	-0.40075
0.77	-0.39547
0.83	-0.39894
0.89	-0.38810
0.95	-0.37268

LOWER SURFACE

X/C	CP
0.05	0.07374
0.10	-0.08410
0.20	-0.23670
0.35	-0.42260
0.50	-0.60354
0.65	-1.00876
0.80	-0.44232
0.95	-0.22108

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.8999	3.86	0.00	33.80 706.0	100.85 2106.2	59.63 1245.5	12.59 3.84	329.52 133.47

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.57687	0.05	0.16120
0.06	-0.86071	0.10	-0.01490
0.11	-0.90856	0.20	-0.17718
0.17	-0.92416	0.35	-0.38104
0.23	-0.92317	0.50	-0.56834
0.29	-0.93506	0.65	-0.98267
0.35	-0.95211	0.80	-0.40003
0.41	-0.69322	0.95	-0.18735
0.47	-0.47872		
0.53	-0.46765		
0.57	-0.45225		
0.65	-0.45025		
0.71	-0.43157		
0.77	-0.42033		
0.83	-0.41683		
0.89	-0.42721		
0.95	-0.41402		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.9006	5.09	0.01	33.84 706.8	100.88 2107.0	59.60 1244.8	12.59 3.84	329.67 133.74

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.64846	0.05	0.24131
0.06	-0.92692	0.10	0.06455
0.11	-0.97499	0.20	-0.11566
0.17	-0.97957	0.35	-0.32771
0.23	-0.98724	0.50	-0.53604
0.29	-0.96273	0.65	-0.95531
0.35	-0.75235	0.80	-0.34491
0.41	-0.72642	0.95	-0.13969
0.47	-0.53569		
0.53	-0.52434		
0.57	-0.51271		
0.65	-0.52699		
0.71	-0.51086		
0.77	-0.51173		
0.83	-0.50090		
0.89	-0.50055		
0.95	-0.48728		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.9006	6.13	0.01	33.84 706.8	100.88 2107.0	59.60 1244.8	12.57 3.83	329.99 134.31

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-0.72881	0.05	0.30360
	0.06	-0.98923	0.10	0.10710
	0.11	-1.01466	0.20	-0.07157
	0.17	-1.02840	0.35	-0.28305
	0.23	-1.03450	0.50	-0.50624
	0.29	-0.89079	0.65	-0.93295
	0.35	-0.70643	0.80	-0.30202
	0.41	-0.73733	0.95	-0.08387
	0.47	-0.57941		
	0.53	-0.56782		
	0.57	-0.55510		
	0.65	-0.55886		
	0.71	-0.53911		
	0.77	-0.54447		
	0.83	-0.54424		
	0.89	-0.53376		
	0.95	-0.52165		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.8994	7.39	0.04	33.78 705.6	100.85 2106.2	59.67 1246.2	12.60 3.84	329.22 132.93

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.83723	0.05	0.38660
0.06	-1.05837	0.10	0.18182
0.11	-1.08967	0.20	-0.01239
0.17	-1.08814	0.35	-0.23020
0.23	-1.05089	0.50	-0.47609
0.29	-0.87940	0.65	-0.91237
0.35	-0.69198	0.80	-0.24165
0.41	-0.74867	0.95	0.03070
0.47	-0.61127		
0.53	-0.57008		
0.57	-0.56371		
0.65	-0.56309		
0.71	-0.57958		
0.77	-0.58299		
0.83	-0.58442		
0.89	-0.56810		
0.95	-0.54187		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.8989	8.55	0.05	33.77 705.2	100.85 2106.2	59.70 1246.9	12.59 3.84	329.32 133.10

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.92139	0.05	0.43818
0.06	-1.10537	0.10	0.24184
0.11	-1.14484	0.20	0.04369
0.17	-1.15293	0.35	-0.18323
0.23	-1.13676	0.50	-0.43625
0.29	-1.03350	0.65	-0.75514
0.35	-0.92635	0.80	-0.12499
0.41	-0.78712	0.95	0.17850
0.47	-0.68603		
0.53	-0.63801		
0.57	-0.62405		
0.65	-0.61728		
0.71	-0.62451		
0.77	-0.61655		
0.83	-0.61193		
0.89	-0.61398		
0.95	-0.59247		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.9011	9.73	0.05	33.86 707.2	100.88 2107.0	59.57 1244.2	12.62 3.85	329.07 132.66

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.98812	0.05	0.50455
0.06	-1.14584	0.10	0.30179
0.11	-1.17882	0.20	0.09701
0.17	-1.10141	0.35	-0.13457
0.23	-1.08698	0.50	-0.39987
0.29	-1.03712	0.65	-0.48453
0.35	-0.95702	0.80	0.03128
0.41	-0.78654	0.95	0.23223
0.47	-0.77408		
0.53	-0.72608		
0.57	-0.66940		
0.65	-0.69345		
0.71	-0.65062		
0.77	-0.64498		
0.83	-0.65670		
0.89	-0.66666		
0.95	-0.63022		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.8994	11.85	-0.11	33.78 705.6	100.85 2106.2	59.67 1246.2	12.59 3.84	329.37 133.20

WING

UPPER SURFACE

X/C	CP
0.02	-0.61041
0.06	-0.59140
0.11	-0.57878
0.17	-0.54750
0.23	-0.56832
0.29	-0.56453
0.35	-0.55346
0.41	-0.74959
0.47	-0.58531
0.53	-0.56953
0.57	-0.57562
0.65	-0.58333
0.71	-0.62509
0.77	-0.61388
0.83	-0.61797
0.89	-0.63739
0.95	-0.61033

LOWER SURFACE

X/C	CP
0.05	0.61089
0.10	0.40534
0.20	0.18893
0.35	-0.05070
0.50	-0.32089
0.65	-0.15469
0.80	0.21420
0.95	0.27376

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.8996	13.90	-0.04	33.80 706.0	100.88 2107.0	59.67 1246.2	12.59 3.84	329.47 133.37

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.58842	0.05	0.67994
0.06	-0.58139	0.10	0.48976
0.11	-0.58092	0.20	0.27337
0.17	-0.57654	0.35	0.04014
0.23	-0.57155	0.50	-0.23004
0.29	-0.58665	0.65	-0.12547
0.35	-0.57832	0.80	0.25665
0.41	-0.70423	0.95	0.29940
0.47	-0.60897		
0.53	-0.62329		
0.57	-0.62982		
0.65	-0.63326		
0.71	-0.65320		
0.77	-0.66564		
0.83	-0.67257		
0.89	-0.64152		
0.95	-0.64911		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.8986	15.96	-0.06	33.77 705.2	100.88 2107.0	59.73 1247.5	12.57 3.83	329.89 134.14

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.53639	0.05	0.75842
0.06	-0.54757	0.10	0.56518
0.11	-0.52966	0.20	0.36609
0.17	-0.55640	0.35	0.12050
0.23	-0.55801	0.50	-0.11567
0.29	-0.55794	0.65	-0.07048
0.35	-0.56810	0.80	0.28849
0.41	-0.67482	0.95	0.31434
0.47	-0.59037		
0.53	-0.56294		
0.57	-0.60214		
0.65	-0.61409		
0.71	-0.60456		
0.77	-0.59879		
0.83	-0.60658		
0.89	-0.63468		
0.95	-0.62223		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.8999	18.20	0.05	33.80 706.0	100.85 2106.2	59.63 1245.5	12.55 3.82	330.38 135.02

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.53624	0.05	0.82995
0.06	-0.51340	0.10	0.65427
0.11	-0.55165	0.20	0.44864
0.17	-0.55839	0.35	0.21813
0.23	-0.58474	0.50	-0.00717
0.29	-0.58754	0.65	-0.00676
0.35	-0.60188	0.80	0.31957
0.41	-0.63819	0.95	0.33637
0.47	-0.58872		
0.53	-0.60860		
0.57	-0.59044		
0.65	-0.58498		
0.71	-0.59911		
0.77	-0.61088		
0.83	-0.61554		
0.89	-0.61948		
0.95	-0.57924		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.8994	20.22	0.33	33.78 705.6	100.85 2106.2	59.67 1246.2	12.58 3.83	329.71 133.81

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-0.62716	0.05	0.87649
	0.06	-0.60720	0.10	0.71512
	0.11	-0.64416	0.20	0.51440
	0.17	-0.61072	0.35	0.28559
	0.23	-0.65032	0.50	0.06937
	0.29	-0.65937	0.65	0.04906
	0.35	-0.65074	0.80	0.34407
	0.41	-0.63811	0.95	0.34840
	0.47	-0.66628		
	0.53	-0.68639		
	0.57	-0.68831		
	0.65	-0.67913		
	0.71	-0.70481		
	0.77	-0.67926		
	0.83	-0.68545		
	0.89	-0.67827		
	0.95	-0.69008		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
17	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.8996	-1.69	-0.01	33.80 706.0	100.88 2107.0	59.67 1246.2	12.63 3.85	328.74 132.06

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.07236	0.05	-0.32502
0.06	-0.35986	0.10	-0.38478
0.11	-0.40009	0.20	-0.56624
0.17	-0.49552	0.35	-0.72860
0.23	-0.49790	0.50	-0.71166
0.29	-0.53362	0.65	-0.42485
0.35	-0.59240	0.80	-0.38942
0.41	-0.60405	0.95	-0.32891
0.47	-0.58775		
0.53	-0.66055		
0.57	-0.62334		
0.65	-0.72247		
0.71	-0.77268		
0.77	-0.78246		
0.83	-0.39258		
0.89	-0.26829		
0.95	-0.24506		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
18	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.6008	-6.21	-0.01	19.99 417.5	100.98 2109.1	79.12 1652.5	11.06 3.37	305.89 90.93

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.51047	0.05	-1.89880
0.06	0.18053	0.10	-1.06660
0.11	0.04637	0.20	-0.86910
0.17	-0.02191	0.35	-0.70044
0.23	-0.07093	0.50	-0.56475
0.29	-0.11740	0.65	-0.19495
0.35	-0.15887	0.80	0.05877
0.41	0.57345	0.95	0.16814
0.47	-0.20459		
0.53	-0.24284		
0.57	-0.21816		
0.65	-0.24186		
0.71	-0.22152		
0.77	-0.18799		
0.83	-0.14403		
0.89	-0.09156		
0.95	-0.01854		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.50980	0.02	-1.91101
0.06	0.25985	0.06	-1.55850
0.11	0.16395	0.11	-0.95402
0.18	0.03737	0.18	-0.80001
0.25	-0.04175	0.25	-0.70263
0.32	-0.11607	0.32	-0.62956
0.39	-0.15220	0.39	-0.54209
0.46	-0.16212	0.46	-0.44995
0.53	-0.15634	0.53	-0.35967
0.60	-0.11521	0.60	-0.27150
0.67	-0.07989	0.67	-0.17141
0.74	-0.03354	0.74	-0.08113
0.81	0.00384	0.81	-0.01424
0.88	0.04163	0.88	0.04297
0.95	0.09092	0.95	0.10968

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
18	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.6013	-4.02	-0.01	20.02 418.1	100.98 2109.1	79.09 1651.8	11.04 3.36	306.66 92.31

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.24236	0.05	-1.01690
0.06	-0.08163	0.10	-0.82566
0.11	-0.18255	0.20	-0.70044
0.17	-0.21650	0.35	-0.60456
0.23	-0.22545	0.50	-0.52058
0.29	-0.26155	0.65	-0.18427
0.35	-0.27057	0.80	0.12569
0.41	0.43332	0.95	0.23329
0.47	-0.29989		
0.53	-0.31864		
0.57	-0.28856		
0.65	-0.29489		
0.71	-0.26723		
0.77	-0.22280		
0.83	-0.17155		
0.89	-0.11035		
0.95	-0.02948		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.45697	0.02	-1.75861
0.06	0.20334	0.06	-0.95620
0.11	0.10824	0.11	-0.81423
0.18	-0.02256	0.18	-0.75290
0.25	-0.09492	0.25	-0.67021
0.32	-0.16022	0.32	-0.60623
0.39	-0.18913	0.39	-0.52158
0.46	-0.19124	0.46	-0.43338
0.53	-0.17422	0.53	-0.34555
0.60	-0.13505	0.60	-0.25922
0.67	-0.09492	0.67	-0.16301
0.74	-0.04855	0.74	-0.07855
0.81	0.00457	0.81	-0.00248
0.88	0.04812	0.88	0.05416
0.95	0.10488	0.95	0.12066

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
18	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.6012	-1.64	-0.01	20.02 418.1	101.02 2109.8	79.12 1652.5	11.02 3.36	306.96 92.85

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.25356	0.05	-0.52348
0.06	-0.42567	0.10	-0.50929
0.11	-0.41735	0.20	-0.50451
0.17	-0.40633	0.35	-0.49411
0.23	-0.39740	0.50	-0.45180
0.29	-0.39433	0.65	-0.15922
0.35	-0.39931	0.80	0.15307
0.41	0.30573	0.95	0.26090
0.47	-0.38665		
0.53	-0.38193		
0.57	-0.34517		
0.65	-0.34060		
0.71	-0.30839		
0.77	-0.25136		
0.83	-0.19208		
0.89	-0.12453		
0.95	-0.03148		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.34802	0.02	-1.41087
0.06	0.13618	0.06	-0.72007
0.11	0.05094	0.11	-0.72372
0.18	-0.07371	0.18	-0.68513
0.25	-0.13860	0.25	-0.62227
0.32	-0.20476	0.32	-0.56453
0.39	-0.22047	0.39	-0.48890
0.46	-0.21244	0.46	-0.41170
0.53	-0.19308	0.53	-0.33559
0.60	-0.15361	0.60	-0.24688
0.67	-0.10966	0.67	-0.15090
0.74	-0.05558	0.74	-0.06760
0.81	-0.00079	0.81	0.00022
0.88	0.05090	0.88	0.05594
0.95	0.11746	0.95	0.12821

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
18	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.6012	0.41	-0.01	20.02 418.1	101.02 2109.8	79.12 1652.5	11.02 3.36	307.09 93.09

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.72906	0.05	-0.18088
0.06	-0.74179	0.10	-0.28914
0.11	-0.68196	0.20	-0.34415
0.17	-0.59176	0.35	-0.37852
0.23	-0.55607	0.50	-0.37813
0.29	-0.52491	0.65	-0.12461
0.35	-0.50710	0.80	0.18808
0.41	0.17524	0.95	0.27752
0.47	-0.46902		
0.53	-0.45711		
0.57	-0.41181		
0.65	-0.39382		
0.71	-0.34280		
0.77	-0.27882		
0.83	-0.21016		
0.89	-0.12784		
0.95	-0.03075		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.26578	0.02	-1.11066
0.06	0.04235	0.06	-0.63367
0.11	-0.02250	0.11	-0.63338
0.18	-0.12851	0.18	-0.60542
0.25	-0.18132	0.25	-0.56535
0.32	-0.24543	0.32	-0.52757
0.39	-0.26315	0.39	-0.45945
0.46	-0.25295	0.46	-0.39224
0.53	-0.22546	0.53	-0.32395
0.60	-0.16817	0.60	-0.24049
0.67	-0.12195	0.67	-0.14848
0.74	-0.06210	0.74	-0.06576
0.81	0.00422	0.81	-0.00249
0.88	0.05608	0.88	0.05172
0.95	0.12411	0.95	0.12344

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
18	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.6023	2.92	0.00	20.08 419.3	101.02 2109.8	79.06 1651.1	11.00 3.35	307.89 94.53

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.58350	0.05	0.13335
0.06	-1.32387	0.10	-0.04900
0.11	-0.92738	0.20	-0.17038
0.17	-0.80429	0.35	-0.25345
0.23	-0.73143	0.50	-0.30475
0.29	-0.67710	0.65	-0.09901
0.35	-0.62360	0.80	0.20643
0.41	-0.02235	0.95	0.28897
0.47	-0.54450		
0.53	-0.52795		
0.57	-0.47470		
0.65	-0.43544		
0.71	-0.37284		
0.77	-0.29792		
0.83	-0.22030		
0.89	-0.14200		
0.95	-0.03921		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.13156	0.02	-0.72557
0.06	-0.02764	0.06	-0.53417
0.11	-0.08936	0.11	-0.49610
0.18	-0.20145	0.18	-0.51466
0.25	-0.23977	0.25	-0.50212
0.32	-0.29224	0.32	-0.47721
0.39	-0.30408	0.39	-0.42664
0.46	-0.28372	0.46	-0.36202
0.53	-0.24848	0.53	-0.30284
0.60	-0.18584	0.60	-0.22370
0.67	-0.12809	0.67	-0.13338
0.74	-0.06715	0.74	-0.05422
0.81	-0.00546	0.81	0.00490
0.88	0.05122	0.88	0.06023
0.95	0.12334	0.95	0.13068

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
18	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.6019	4.94	0.00	20.05 418.7	100.98 2109.1	79.06 1651.1	10.98 3.35	307.93 94.60

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-2.19150	0.05	0.31376
0.06	-2.08176	0.10	0.11380
0.11	-1.07170	0.20	-0.05808
0.17	-0.95893	0.35	-0.17528
0.23	-0.84787	0.50	-0.23394
0.29	-0.77090	0.65	-0.06971
0.35	-0.71081	0.80	0.22480
0.41	-0.17209	0.95	0.29155
0.47	-0.60515		
0.53	-0.56755		
0.57	-0.51248		
0.65	-0.45275		
0.71	-0.37687		
0.77	-0.29874		
0.83	-0.21530		
0.89	-0.13510		
0.95	-0.04246		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.00426	0.02	-0.51946
0.06	-0.13885	0.06	-0.42439
0.11	-0.18028	0.11	-0.41439
0.18	-0.25131	0.18	-0.43197
0.25	-0.29309	0.25	-0.43968
0.32	-0.32835	0.32	-0.42607
0.39	-0.33679	0.39	-0.39891
0.46	-0.30339	0.46	-0.34627
0.53	-0.26266	0.53	-0.28200
0.60	-0.19587	0.60	-0.21123
0.67	-0.13686	0.67	-0.12655
0.74	-0.07123	0.74	-0.04789
0.81	-0.01354	0.81	0.00258
0.88	0.04248	0.88	0.05188
0.95	0.11771	0.95	0.12073

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
18	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.6008	7.07	0.00	19.99 417.5	100.98 2109.1	79.12 1652.5	10.95 3.34	308.27 95.21

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-2.54488	0.05	0.45961
0.06	-2.46413	0.10	0.27018
0.11	-1.84150	0.20	0.07844
0.17	-1.39499	0.35	-0.08909
0.23	-1.04165	0.50	-0.18589
0.29	-0.87492	0.65	-0.04852
0.35	-0.78843	0.80	0.22889
0.41	-0.30845	0.95	0.29105
0.47	-0.61498		
0.53	-0.55792		
0.57	-0.50681		
0.65	-0.42788		
0.71	-0.35919		
0.77	-0.27983		
0.83	-0.20403		
0.89	-0.14875		
0.95	-0.07015		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.16314	0.02	-0.22838
0.06	-0.23457	0.06	-0.27384
0.11	-0.25648	0.11	-0.30226
0.18	-0.32172	0.18	-0.36889
0.25	-0.33641	0.25	-0.37535
0.32	-0.36507	0.32	-0.37576
0.39	-0.37057	0.39	-0.34280
0.46	-0.33574	0.46	-0.30746
0.53	-0.28555	0.53	-0.25548
0.60	-0.20395	0.60	-0.18555
0.67	-0.14104	0.67	-0.11076
0.74	-0.07272	0.74	-0.04198
0.81	-0.00485	0.81	0.00760
0.88	0.05426	0.88	0.05560
0.95	0.12765	0.95	0.12194

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
18	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.6007	9.11	0.00	19.99 417.5	101.02 2109.8	79.16 1653.2	10.95 3.34	308.36 95.38

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.22144	0.05	0.55156
0.06	-1.09645	0.10	0.32968
0.11	-0.97725	0.20	0.12465
0.17	-1.16297	0.35	-0.05557
0.23	-1.17290	0.50	-0.18295
0.29	-1.01428	0.65	-0.10293
0.35	-0.95146	0.80	0.17380
0.41	-0.40973	0.95	0.19554
0.47	-0.75942		
0.53	-0.67146		
0.57	-0.62379		
0.65	-0.55694		
0.71	-0.51709		
0.77	-0.49050		
0.83	-0.36713		
0.89	-0.34467		
0.95	-0.35023		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.36405	0.02	-0.11345
0.06	-0.35654	0.06	-0.16675
0.11	-0.32610	0.11	-0.23537
0.18	-0.38477	0.18	-0.30658
0.25	-0.40707	0.25	-0.32663
0.32	-0.41483	0.32	-0.33544
0.39	-0.40782	0.39	-0.31061
0.46	-0.35389	0.46	-0.28508
0.53	-0.29941	0.53	-0.23870
0.60	-0.21937	0.60	-0.18362
0.67	-0.15179	0.67	-0.10991
0.74	-0.07925	0.74	-0.04089
0.81	-0.00518	0.81	0.01365
0.88	0.05755	0.88	0.05755
0.95	0.13518	0.95	0.12141

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
18	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.6002	11.28	0.01	19.96 416.9	100.98 2109.1	79.16 1653.2	10.95 3.34	308.30 95.27

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.59823	0.05	0.59103
0.06	-0.56819	0.10	0.36571
0.11	-0.61029	0.20	0.14975
0.17	-0.59287	0.35	-0.05206
0.23	-0.65479	0.50	-0.20715
0.29	-0.62734	0.65	-0.15050
0.35	-0.62166	0.80	0.12466
0.41	-0.43695	0.95	0.11809
0.47	-0.66143		
0.53	-0.64979		
0.57	-0.64679		
0.65	-0.66277		
0.71	-0.66988		
0.77	-0.65612		
0.83	-0.64037		
0.89	-0.61497		
0.95	-0.56719		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.67691	0.02	0.09046
0.06	-0.52389	0.06	-0.05391
0.11	-0.44650	0.11	-0.14331
0.18	-0.46731	0.18	-0.21485
0.25	-0.46094	0.25	-0.25276
0.32	-0.47959	0.32	-0.26432
0.39	-0.44153	0.39	-0.26775
0.46	-0.38499	0.46	-0.23577
0.53	-0.31914	0.53	-0.20047
0.60	-0.22624	0.60	-0.15760
0.67	-0.15317	0.67	-0.08689
0.74	-0.07780	0.74	-0.02030
0.81	-0.00791	0.81	0.02207
0.88	0.05562	0.88	0.06537
0.95	0.13442	0.95	0.12432

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
18	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.6012	13.14	0.04	20.02 418.1	101.02 2109.8	79.12 1652.5	10.95 3.34	308.47 95.58

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.51674	0.05	0.61911
0.06	-0.50500	0.10	0.40546
0.11	-0.48832	0.20	0.18840
0.17	-0.49148	0.35	-0.02583
0.23	-0.51195	0.50	-0.20332
0.29	-0.54012	0.65	-0.17692
0.35	-0.51674	0.80	0.09840
0.41	-0.44150	0.95	0.07372
0.47	-0.58594		
0.53	-0.58521		
0.57	-0.59563		
0.65	-0.62644		
0.71	-0.61313		
0.77	-0.63134		
0.83	-0.64703		
0.89	-0.64536		
0.95	-0.62704		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.72480	0.02	0.17672
0.06	-0.50963	0.06	0.00480
0.11	-0.41661	0.11	-0.09887
0.18	-0.45825	0.18	-0.18704
0.25	-0.45738	0.25	-0.19841
0.32	-0.44583	0.32	-0.24529
0.39	-0.41371	0.39	-0.24985
0.46	-0.35419	0.46	-0.22388
0.53	-0.29443	0.53	-0.17424
0.60	-0.21363	0.60	-0.13818
0.67	-0.14219	0.67	-0.07240
0.74	-0.06799	0.74	-0.01620
0.81	-0.01155	0.81	0.02456
0.88	0.04219	0.88	0.05888
0.95	0.10876	0.95	0.11879

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
18	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.6024	15.08	0.09	20.08 419.3	100.98 2109.1	79.02 1650.4	10.96 3.34	308.54 95.71

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.49599	0.05	0.63969
0.06	-0.47037	0.10	0.45883
0.11	-0.49267	0.20	0.24005
0.17	-0.48964	0.35	0.01743
0.23	-0.49832	0.50	-0.17010
0.29	-0.50002	0.65	-0.16590
0.35	-0.51774	0.80	0.09412
0.41	-0.45806	0.95	0.06897
0.47	-0.55582		
0.53	-0.55723		
0.57	-0.57186		
0.65	-0.59792		
0.71	-0.62716		
0.77	-0.64241		
0.83	-0.64504		
0.89	-0.65493		
0.95	-0.65339		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.22497	0.02	0.16458
0.06	-0.26007	0.06	-0.00008
0.11	-0.29920	0.11	-0.08936
0.18	-0.34810	0.18	-0.15538
0.25	-0.35824	0.25	-0.16424
0.32	-0.36670	0.32	-0.17356
0.39	-0.34007	0.39	-0.16542
0.46	-0.29801	0.46	-0.15825
0.53	-0.24707	0.53	-0.12511
0.60	-0.18716	0.60	-0.05834
0.67	-0.13130	0.67	-0.03347
0.74	-0.08067	0.74	0.02012
0.81	-0.03158	0.81	0.04809
0.88	0.01302	0.88	0.06575
0.95	0.04972	0.95	0.10219

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
18	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.6012	17.13	0.13	20.02 418.1	101.02 2109.8	79.12 1652.5	10.95 3.34	308.62 95.85

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.50498	0.05	0.68751
0.06	-0.51008	0.10	0.49227
0.11	-0.51300	0.20	0.27725
0.17	-0.51100	0.35	0.05668
0.23	-0.52406	0.50	-0.13001
0.29	-0.54173	0.65	-0.14604
0.35	-0.56653	0.80	0.10309
0.41	-0.46483	0.95	0.06987
0.47	-0.57514		
0.53	-0.58994		
0.57	-0.59627		
0.65	-0.61723		
0.71	-0.62841		
0.77	-0.65051		
0.83	-0.67301		
0.89	-0.67257		
0.95	-0.66515		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.04504	0.02	-0.44511
0.06	-0.14405	0.06	-0.22391
0.11	-0.16827	0.11	-0.16292
0.18	-0.22501	0.18	-0.14974
0.25	-0.23123	0.25	-0.11743
0.32	-0.26881	0.32	-0.10647
0.39	-0.25678	0.39	-0.08652
0.46	-0.23855	0.46	-0.06418
0.53	-0.20468	0.53	-0.06571
0.60	-0.17349	0.60	-0.04337
0.67	-0.13207	0.67	-0.02691
0.74	-0.08843	0.74	-0.00485
0.81	-0.06210	0.81	0.01568
0.88	-0.02525	0.88	0.00554
0.95	0.00389	0.95	0.02339

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
18	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.5997	19.31	0.16	19.93 416.3	100.98 2109.1	79.19 1653.9	10.92 3.33	308.77 96.12

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.51038	0.05	0.74621
0.06	-0.52190	0.10	0.56618
0.11	-0.52056	0.20	0.34928
0.17	-0.51238	0.35	0.12205
0.23	-0.52689	0.50	-0.08117
0.29	-0.54459	0.65	-0.10744
0.35	-0.55550	0.80	0.12575
0.41	-0.47167	0.95	0.08219
0.47	-0.57329		
0.53	-0.59762		
0.57	-0.59607		
0.65	-0.61200		
0.71	-0.63105		
0.77	-0.64464		
0.83	-0.63870		
0.89	-0.64910		
0.95	-0.66626		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.00929	0.02	-0.42581
0.06	-0.10245	0.06	-0.27409
0.11	-0.10942	0.11	-0.18251
0.18	-0.15772	0.18	-0.13399
0.25	-0.16432	0.25	-0.12274
0.32	-0.17617	0.32	-0.10475
0.39	-0.20786	0.39	-0.09287
0.46	-0.17663	0.46	-0.08282
0.53	-0.16148	0.53	-0.06671
0.60	-0.14335	0.60	-0.05410
0.67	-0.11143	0.67	-0.05522
0.74	-0.08940	0.74	-0.04735
0.81	-0.06078	0.81	-0.04106
0.88	-0.04723	0.88	-0.03725
0.95	-0.03200	0.95	-0.03467

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
18	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.6018	21.51	0.18	20.05 418.7	101.02 2109.8	79.09 1651.8	10.95 3.34	308.69 95.98

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.51435	0.05	0.79890
0.06	-0.51852	0.10	0.63841
0.11	-0.53454	0.20	0.42165
0.17	-0.52739	0.35	0.18840
0.23	-0.53316	0.50	-0.01184
0.29	-0.53921	0.65	-0.03445
0.35	-0.54611	0.80	0.15547
0.41	-0.47694	0.95	0.09815
0.47	-0.55957		
0.53	-0.56249		
0.57	-0.59338		
0.65	-0.60363		
0.71	-0.62033		
0.77	-0.63530		
0.83	-0.64502		
0.89	-0.64641		
0.95	-0.64428		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.14290	0.02	-0.30873
0.06	-0.14158	0.06	-0.24638
0.11	-0.13600	0.11	-0.22078
0.18	-0.14558	0.18	-0.18703
0.25	-0.14258	0.25	-0.16187
0.32	-0.13400	0.32	-0.17205
0.39	-0.12552	0.39	-0.16798
0.46	-0.11430	0.46	-0.15422
0.53	-0.10596	0.53	-0.11130
0.60	-0.10144	0.60	-0.13454
0.67	-0.10631	0.67	-0.13393
0.74	-0.08460	0.74	-0.09862
0.81	-0.07403	0.81	-0.10345
0.88	-0.07304	0.88	-0.11064
0.95	-0.05256	0.95	-0.09194

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
18	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
22	0.6012	-1.83	-0.01	20.02 418.1	101.02 2109.8	79.12 1652.5	10.94 3.34	308.73 96.05

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.17402	0.05	-0.54736
0.06	-0.38567	0.10	-0.55611
0.11	-0.40482	0.20	-0.52767
0.17	-0.38462	0.35	-0.49462
0.23	-0.37802	0.50	-0.46953
0.29	-0.37076	0.65	-0.16452
0.35	-0.37660	0.80	0.15042
0.41	-0.45916	0.95	0.25450
0.47	-0.37377		
0.53	-0.38161		
0.57	-0.34975		
0.65	-0.33938		
0.71	-0.30038		
0.77	-0.24766		
0.83	-0.18849		
0.89	-0.12254		
0.95	-0.02851		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.35541	0.02	-1.47441
0.06	0.13545	0.06	-0.73052
0.11	0.04691	0.11	-0.72597
0.18	-0.06203	0.18	-0.68114
0.25	-0.14324	0.25	-0.60948
0.32	-0.20718	0.32	-0.56072
0.39	-0.24584	0.39	-0.49962
0.46	-0.21973	0.46	-0.42524
0.53	-0.20685	0.53	-0.34606
0.60	-0.16132	0.60	-0.25291
0.67	-0.11331	0.67	-0.15654
0.74	-0.05429	0.74	-0.07131
0.81	-0.00147	0.81	-0.00214
0.88	0.04819	0.88	0.05758
0.95	0.11076	0.95	0.13093

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
19	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7808	-6.56	-0.01	28.79 601.3	100.92 2107.7	67.47 1409.1	12.46 3.80	316.14 109.38

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.45921	0.05	-1.31396
0.06	0.13572	0.10	-1.32255
0.11	0.00460	0.20	-1.30521
0.17	-0.09028	0.35	-0.66257
0.23	-0.14035	0.50	-0.53165
0.29	-0.19070	0.65	-0.36626
0.35	-0.22828	0.80	-0.21873
0.41	-0.04413	0.95	-0.07149
0.47	-0.30676		
0.53	-0.36234		
0.57	-0.34042		
0.65	-0.38969		
0.71	-0.34077		
0.77	-0.30280		
0.83	-0.27062		
0.89	-0.22063		
0.95	-0.16043		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.44451	0.02	-1.57814
0.06	0.21351	0.06	-1.36659
0.11	0.11676	0.11	-1.24168
0.18	-0.00748	0.18	-0.97256
0.25	-0.10528	0.25	-1.05414
0.32	-0.19279	0.32	-0.99313
0.39	-0.24266	0.39	-0.46138
0.46	-0.25388	0.46	-0.36119
0.53	-0.24977	0.53	-0.27201
0.60	-0.21297	0.60	-0.20555
0.67	-0.16158	0.67	-0.13943
0.74	-0.11078	0.74	-0.07303
0.81	-0.03392	0.81	-0.00748
0.88	0.01298	0.88	0.04629
0.95	0.06966	0.95	0.08108

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
19	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.7823	-4.27	-0.01	28.86 602.7	100.92 2107.7	67.36 1406.9	12.44 3.79	316.79 110.55

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.21242	0.05	-1.09393
0.06	-0.09067	0.10	-1.03152
0.11	-0.18704	0.20	-0.92048
0.17	-0.24343	0.35	-1.00437
0.23	-0.26452	0.50	-0.44996
0.29	-0.30320	0.65	-0.13587
0.35	-0.33198	0.80	-0.02042
0.41	-0.07915	0.95	0.14199
0.47	-0.36615		
0.53	-0.39247		
0.57	-0.35214		
0.65	-0.35573		
0.71	-0.31158		
0.77	-0.24538		
0.83	-0.17963		
0.89	-0.09972		
0.95	-0.00421		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.36658	0.02	-1.43483
0.06	0.15214	0.06	-1.23520
0.11	0.05562	0.11	-0.97336
0.18	-0.07168	0.18	-0.95897
0.25	-0.15108	0.25	-1.01501
0.32	-0.24234	0.32	-1.04255
0.39	-0.28516	0.39	-0.56956
0.46	-0.28366	0.46	-0.37957
0.53	-0.26479	0.53	-0.28122
0.60	-0.20704	0.60	-0.19290
0.67	-0.14417	0.67	-0.10889
0.74	-0.08105	0.74	-0.03616
0.81	-0.01767	0.81	0.02258
0.88	0.03951	0.88	0.08070
0.95	0.11083	0.95	0.14088

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
19	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.7797	-1.86	-0.01	28.74 600.3	100.92 2107.7	67.54 1410.5	12.42 3.79	316.76 110.49

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.15332	0.05	-0.55019
0.06	-0.43012	0.10	-0.58517
0.11	-0.44211	0.20	-0.68238
0.17	-0.47645	0.35	-0.74550
0.23	-0.45895	0.50	-0.52606
0.29	-0.47428	0.65	-0.09809
0.35	-0.47645	0.80	0.11102
0.41	-0.13937	0.95	0.24060
0.47	-0.47127		
0.53	-0.46973		
0.57	-0.42182		
0.65	-0.39421		
0.71	-0.32207		
0.77	-0.24036		
0.83	-0.15816		
0.89	-0.07149		
0.95	0.03900		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.29612	0.02	-1.28822
0.06	0.09951	0.06	-1.03862
0.11	0.00433	0.11	-0.76610
0.18	-0.12063	0.18	-0.90992
0.25	-0.19332	0.25	-0.95515
0.32	-0.26785	0.32	-0.99729
0.39	-0.30283	0.39	-0.65726
0.46	-0.29593	0.46	-0.35934
0.53	-0.26623	0.53	-0.28637
0.60	-0.19412	0.60	-0.20107
0.67	-0.12645	0.67	-0.11239
0.74	-0.05680	0.74	-0.03458
0.81	0.00783	0.81	0.03302
0.88	0.06693	0.88	0.09160
0.95	0.14177	0.95	0.15994

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
19	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.7792	0.44	-0.01	28.72 599.8	100.92 2107.7	67.57 1411.2	12.40 3.78	316.91 110.76

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.57374	0.05	-0.19831
0.06	-0.79879	0.10	-0.36486
0.11	-0.87713	0.20	-0.45374
0.17	-0.76308	0.35	-0.55677
0.23	-0.74903	0.50	-0.54025
0.29	-0.66758	0.65	-0.10476
0.35	-0.63259	0.80	0.17901
0.41	-0.23204	0.95	0.29149
0.47	-0.55236		
0.53	-0.55560		
0.57	-0.48753		
0.65	-0.43086		
0.71	-0.34835		
0.77	-0.26096		
0.83	-0.17461		
0.89	-0.07411		
0.95	0.03280		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.23415	0.02	-1.05802
0.06	0.02743	0.06	-0.81707
0.11	-0.04568	0.11	-0.73356
0.18	-0.17041	0.18	-0.85263
0.25	-0.23435	0.25	-0.89066
0.32	-0.32144	0.32	-0.92708
0.39	-0.34858	0.39	-0.56165
0.46	-0.32183	0.46	-0.36927
0.53	-0.27869	0.53	-0.30192
0.60	-0.20879	0.60	-0.21088
0.67	-0.14039	0.67	-0.11309
0.74	-0.06357	0.74	-0.03011
0.81	0.01228	0.81	0.03779
0.88	0.07788	0.88	0.09727
0.95	0.15141	0.95	0.16778

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
19	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.7797	2.89	-0.01	28.74 600.3	100.92 2107.7	67.54 1410.5	12.38 3.77	317.59 112.00

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.90805	0.05	0.06308
0.06	-1.20145	0.10	-0.10831
0.11	-1.23898	0.20	-0.24070
0.17	-1.21435	0.35	-0.37536
0.23	-1.20912	0.50	-0.44265
0.29	-1.20211	0.65	-0.08871
0.35	-1.18585	0.80	0.22422
0.41	-0.47728	0.95	0.32055
0.47	-0.63508		
0.53	-0.47185		
0.57	-0.41268		
0.65	-0.34946		
0.71	-0.29148		
0.77	-0.21885		
0.83	-0.14412		
0.89	-0.06953		
0.95	0.02053		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.15576	0.02	-0.79871
0.06	-0.01248	0.06	-0.63787
0.11	-0.09325	0.11	-0.63741
0.18	-0.21835	0.18	-0.75782
0.25	-0.28462	0.25	-0.77964
0.32	-0.36930	0.32	-0.85443
0.39	-0.39755	0.39	-0.49101
0.46	-0.36341	0.46	-0.39710
0.53	-0.31096	0.53	-0.32426
0.60	-0.21905	0.60	-0.21812
0.67	-0.14239	0.67	-0.11590
0.74	-0.06035	0.74	-0.02744
0.81	0.00812	0.81	0.03563
0.88	0.07565	0.88	0.09113
0.95	0.15469	0.95	0.16244

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
19	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.7802	5.14	0.01	28.77 600.8	100.92 2107.7	67.50 1409.8	12.40 3.78	317.13 111.16

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.11292	0.05	0.23238
0.06	-1.36242	0.10	0.04527
0.11	-1.39915	0.20	-0.12229
0.17	-1.37281	0.35	-0.30283
0.23	-1.36080	0.50	-0.43692
0.29	-1.09368	0.65	-0.15676
0.35	-0.79235	0.80	0.17888
0.41	-0.58309	0.95	0.23075
0.47	-0.69721		
0.53	-0.64242		
0.57	-0.59604		
0.65	-0.51522		
0.71	-0.45947		
0.77	-0.39363		
0.83	-0.33927		
0.89	-0.28885		
0.95	-0.23078		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.01486	0.02	-0.51061
0.06	-0.12969	0.06	-0.46141
0.11	-0.20649	0.11	-0.49062
0.18	-0.30442	0.18	-0.58686
0.25	-0.35500	0.25	-0.62681
0.32	-0.43491	0.32	-0.57743
0.39	-0.43692	0.39	-0.47272
0.46	-0.38461	0.46	-0.38878
0.53	-0.31768	0.53	-0.30352
0.60	-0.22771	0.60	-0.21027
0.67	-0.14773	0.67	-0.10818
0.74	-0.06118	0.74	-0.02335
0.81	0.00972	0.81	0.03966
0.88	0.08044	0.88	0.09491
0.95	0.16299	0.95	0.16719

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
19	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.7808	7.45	-0.02	28.79 601.3	100.92 2107.7	67.47 1409.1	12.40 3.78	317.22 111.33

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.16561	0.05	0.37596
0.06	-1.34398	0.10	0.18212
0.11	-1.26092	0.20	-0.01559
0.17	-1.28207	0.35	-0.21657
0.23	-0.94720	0.50	-0.37666
0.29	-0.77993	0.65	-0.16704
0.35	-0.63934	0.80	0.17299
0.41	-0.66371	0.95	0.20247
0.47	-0.67273		
0.53	-0.65909		
0.57	-0.60984		
0.65	-0.57064		
0.71	-0.60075		
0.77	-0.58625		
0.83	-0.54326		
0.89	-0.50870		
0.95	-0.49053		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.16234	0.02	-0.27206
0.06	-0.21120	0.06	-0.29468
0.11	-0.26483	0.11	-0.37064
0.18	-0.36783	0.18	-0.44129
0.25	-0.42786	0.25	-0.45862
0.32	-0.48781	0.32	-0.47296
0.39	-0.48406	0.39	-0.41316
0.46	-0.40775	0.46	-0.35896
0.53	-0.32632	0.53	-0.29082
0.60	-0.23231	0.60	-0.19372
0.67	-0.14253	0.67	-0.10114
0.74	-0.05021	0.74	-0.01981
0.81	0.02027	0.81	0.04763
0.88	0.09490	0.88	0.10004
0.95	0.17346	0.95	0.16762

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
19	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.7787	9.38	-0.01	28.69 599.3	100.92 2107.7	67.60 1411.9	12.35 3.76	318.02 112.77

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.31662	0.05	0.47105
0.06	-1.24914	0.10	0.26539
0.11	-0.59342	0.20	0.05695
0.17	-0.67483	0.35	-0.16233
0.23	-0.56566	0.50	-0.35148
0.29	-0.69509	0.65	-0.20143
0.35	-0.62587	0.80	0.14646
0.41	-0.66350	0.95	0.17438
0.47	-0.61552		
0.53	-0.64755		
0.57	-0.61852		
0.65	-0.63483		
0.71	-0.60582		
0.77	-0.61481		
0.83	-0.60575		
0.89	-0.59323		
0.95	-0.55963		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.36734	0.02	0.02238
0.06	-0.33103	0.06	-0.10845
0.11	-0.35961	0.11	-0.17861
0.18	-0.46851	0.18	-0.23865
0.25	-0.49355	0.25	-0.26843
0.32	-0.57504	0.32	-0.32332
0.39	-0.55454	0.39	-0.30696
0.46	-0.44741	0.46	-0.28234
0.53	-0.35147	0.53	-0.21374
0.60	-0.23725	0.60	-0.15356
0.67	-0.14277	0.67	-0.05559
0.74	-0.05438	0.74	0.01320
0.81	0.02191	0.81	0.06226
0.88	0.09486	0.88	0.10258
0.95	0.17409	0.95	0.16309

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
19	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.7802	11.36	0.00	28.77 600.8	100.92 2107.7	67.50 1409.8	12.37 3.77	317.86 112.47

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.56455	0.05	0.54252
0.06	-0.53953	0.10	0.33640
0.11	-0.48981	0.20	0.11665
0.17	-0.50398	0.35	-0.10603
0.23	-0.50466	0.50	-0.32365
0.29	-0.54010	0.65	-0.21049
0.35	-0.51465	0.80	0.14220
0.41	-0.62035	0.95	0.15799
0.47	-0.54543		
0.53	-0.59751		
0.57	-0.56793		
0.65	-0.58135		
0.71	-0.59310		
0.77	-0.60857		
0.83	-0.62237		
0.89	-0.61398		
0.95	-0.60049		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.44085	0.02	0.07813
0.06	-0.36520	0.06	-0.00336
0.11	-0.40522	0.11	-0.07706
0.18	-0.51744	0.18	-0.14517
0.25	-0.54669	0.25	-0.16662
0.32	-0.60685	0.32	-0.17811
0.39	-0.53740	0.39	-0.16258
0.46	-0.42869	0.46	-0.14029
0.53	-0.32689	0.53	-0.10511
0.60	-0.22594	0.60	-0.05652
0.67	-0.13775	0.67	0.00409
0.74	-0.04647	0.74	0.06032
0.81	0.02955	0.81	0.09190
0.88	0.09964	0.88	0.12201
0.95	0.17603	0.95	0.16903

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
19	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.7802	13.41	-0.03	28.77 600.8	100.92 2107.7	67.50 1409.8	12.34 3.76	318.43 113.51

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.48867	0.05	0.61820
0.06	-0.50143	0.10	0.41703
0.11	-0.49760	0.20	0.20327
0.17	-0.49656	0.35	-0.03323
0.23	-0.49543	0.50	-0.24508
0.29	-0.50756	0.65	-0.18153
0.35	-0.51048	0.80	0.15285
0.41	-0.57667	0.95	0.15980
0.47	-0.52608		
0.53	-0.54481		
0.57	-0.55359		
0.65	-0.56685		
0.71	-0.57868		
0.77	-0.59190		
0.83	-0.59742		
0.89	-0.61325		
0.95	-0.61429		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.20843	0.02	-0.06135
0.06	-0.25538	0.06	-0.09220
0.11	-0.32644	0.11	-0.14393
0.18	-0.43578	0.18	-0.15878
0.25	-0.45065	0.25	-0.12936
0.32	-0.49181	0.32	-0.12818
0.39	-0.45341	0.39	-0.11192
0.46	-0.37402	0.46	-0.08228
0.53	-0.29494	0.53	-0.05986
0.60	-0.19868	0.60	-0.01541
0.67	-0.13075	0.67	0.02413
0.74	-0.05870	0.74	0.05539
0.81	0.00691	0.81	0.07787
0.88	0.05954	0.88	0.10194
0.95	0.11648	0.95	0.13280

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
19	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.7808	15.62	0.07	28.79 601.3	100.92 2107.7	67.47 1409.1	12.33 3.76	318.77 114.12

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.47640	0.05	0.68686
0.06	-0.47725	0.10	0.49225
0.11	-0.49040	0.20	0.27526
0.17	-0.50201	0.35	0.04387
0.23	-0.50504	0.50	-0.17704
0.29	-0.50876	0.65	-0.14397
0.35	-0.51970	0.80	0.16901
0.41	-0.56317	0.95	0.16996
0.47	-0.52665		
0.53	-0.55252		
0.57	-0.55970		
0.65	-0.57707		
0.71	-0.57627		
0.77	-0.59930		
0.83	-0.61774		
0.89	-0.60048		
0.95	-0.61135		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.01841	0.02	-0.38282
0.06	-0.11618	0.06	-0.29822
0.11	-0.18857	0.11	-0.22017
0.18	-0.27202	0.18	-0.19310
0.25	-0.31906	0.25	-0.14837
0.32	-0.34007	0.32	-0.11282
0.39	-0.34069	0.39	-0.11186
0.46	-0.29961	0.46	-0.09441
0.53	-0.24318	0.53	-0.06612
0.60	-0.18379	0.60	-0.02969
0.67	-0.13077	0.67	-0.01103
0.74	-0.08215	0.74	0.01347
0.81	-0.04086	0.81	0.02286
0.88	-0.00524	0.88	0.03239
0.95	0.02306	0.95	0.06937

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
19	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.7821	17.67	0.12	28.86 602.8	100.95 2108.4	67.40 1407.6	12.36 3.77	318.46 113.55

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.50055	0.05	0.75267
0.06	-0.51029	0.10	0.56978
0.11	-0.49269	0.20	0.35111
0.17	-0.48384	0.35	0.11672
0.23	-0.48584	0.50	-0.10172
0.29	-0.49014	0.65	-0.08527
0.35	-0.51029	0.80	0.19598
0.41	-0.54214	0.95	0.19323
0.47	-0.52882		
0.53	-0.53349		
0.57	-0.55229		
0.65	-0.57930		
0.71	-0.59126		
0.77	-0.57583		
0.83	-0.59343		
0.89	-0.60495		
0.95	-0.60190		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.02933	0.02	-0.53790
0.06	-0.08042	0.06	-0.33401
0.11	-0.11335	0.11	-0.24489
0.18	-0.15392	0.18	-0.20241
0.25	-0.17664	0.25	-0.16234
0.32	-0.19695	0.32	-0.13049
0.39	-0.19197	0.39	-0.11100
0.46	-0.19441	0.46	-0.10142
0.53	-0.16847	0.53	-0.09181
0.60	-0.13281	0.60	-0.07133
0.67	-0.11457	0.67	-0.05666
0.74	-0.08603	0.74	-0.03531
0.81	-0.06321	0.81	-0.04441
0.88	-0.04189	0.88	-0.02874
0.95	-0.03276	0.95	-0.00960

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
19	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.7813	19.70	0.16	28.81 601.7	100.92 2107.7	67.43 1408.4	12.33 3.76	318.76 114.09

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.50290	0.05	0.80571
0.06	-0.49550	0.10	0.63961
0.11	-0.51033	0.20	0.42311
0.17	-0.52568	0.35	0.18934
0.23	-0.53852	0.50	-0.02428
0.29	-0.53864	0.65	-0.02186
0.35	-0.54985	0.80	0.22133
0.41	-0.54037	0.95	0.20528
0.47	-0.55998		
0.53	-0.54520		
0.57	-0.56303		
0.65	-0.58226		
0.71	-0.61215		
0.77	-0.62409		
0.83	-0.63098		
0.89	-0.62540		
0.95	-0.62571		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.18909	0.02	-0.35250
0.06	-0.16802	0.06	-0.29060
0.11	-0.17041	0.11	-0.24721
0.18	-0.16328	0.18	-0.21837
0.25	-0.18236	0.25	-0.18953
0.32	-0.17157	0.32	-0.18990
0.39	-0.16561	0.39	-0.17839
0.46	-0.15554	0.46	-0.16617
0.53	-0.14837	0.53	-0.15139
0.60	-0.13167	0.60	-0.15980
0.67	-0.12177	0.67	-0.16502
0.74	-0.11450	0.74	-0.13538
0.81	-0.10099	0.81	-0.11912
0.88	-0.08800	0.88	-0.10743
0.95	-0.07830	0.95	-0.11728

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
19	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.7821	-1.86	-0.01	28.86 602.8	100.95 2108.4	67.40 1407.6	12.37 3.77	318.17 113.04

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.10817	0.05	-0.54159
0.06	-0.37353	0.10	-0.57818
0.11	-0.43134	0.20	-0.70380
0.17	-0.45386	0.35	-0.74848
0.23	-0.45265	0.50	-0.60822
0.29	-0.47124	0.65	-0.09455
0.35	-0.46795	0.80	0.08634
0.41	-0.51682	0.95	0.23549
0.47	-0.46617		
0.53	-0.46690		
0.57	-0.43540		
0.65	-0.39951		
0.71	-0.32007		
0.77	-0.24083		
0.83	-0.15779		
0.89	-0.06843		
0.95	0.04245		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.30850	0.02	-1.27602
0.06	0.12044	0.06	-1.09318
0.11	0.00949	0.11	-0.75448
0.18	-0.11510	0.18	-0.90214
0.25	-0.18724	0.25	-0.94185
0.32	-0.27335	0.32	-0.98513
0.39	-0.32908	0.39	-0.91947
0.46	-0.32201	0.46	-0.39492
0.53	-0.28765	0.53	-0.28949
0.60	-0.20268	0.60	-0.19783
0.67	-0.13917	0.67	-0.11272
0.74	-0.06438	0.74	-0.03255
0.81	-0.00349	0.81	0.03763
0.88	0.06079	0.88	0.09584
0.95	0.13486	0.95	0.16180

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
20	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8497	-6.30	-0.01	31.81 664.3	100.92 2107.7	62.94 1314.6	12.78 3.90	319.84 116.04

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.39139	0.05	-1.02640
0.06	0.06037	0.10	-1.03549
0.11	-0.04592	0.20	-1.06970
0.17	-0.13315	0.35	-0.50516
0.23	-0.16954	0.50	-0.44327
0.29	-0.23151	0.65	-0.39573
0.35	-0.27800	0.80	-0.36434
0.41	-0.31908	0.95	-0.31463
0.47	-0.35888		
0.53	-0.45569		
0.57	-0.43176		
0.65	-0.55413		
0.71	-0.60832		
0.77	-0.64203		
0.83	-0.65523		
0.89	-0.68538		
0.95	-0.41416		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.42486	0.02	-1.30350
0.06	0.21510	0.06	-1.17568
0.11	0.10379	0.11	-1.08462
0.18	-0.03441	0.18	-0.93212
0.25	-0.12933	0.25	-0.94069
0.32	-0.24958	0.32	-0.69810
0.39	-0.34053	0.39	-0.35232
0.46	-0.40223	0.46	-0.32285
0.53	-0.45430	0.53	-0.30150
0.60	-0.38095	0.60	-0.27737
0.67	-0.24117	0.67	-0.24515
0.74	-0.15920	0.74	-0.23970
0.81	-0.10347	0.81	-0.22516
0.88	-0.05498	0.88	-0.17624
0.95	-0.01754	0.95	-0.03226

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
20	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.8493	-3.95	-0.02	31.78 663.8	100.88 2107.0	62.94 1314.6	12.72 3.88	320.88 117.92

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.15003	0.05	-0.77465
0.06	-0.15996	0.10	-0.73771
0.11	-0.25041	0.20	-0.78165
0.17	-0.29765	0.35	-0.88938
0.23	-0.32325	0.50	-0.34694
0.29	-0.37896	0.65	-0.29468
0.35	-0.41868	0.80	-0.25920
0.41	-0.31449	0.95	-0.14202
0.47	-0.46354		
0.53	-0.54893		
0.57	-0.52158		
0.65	-0.63982		
0.71	-0.69450		
0.77	-0.72742		
0.83	-0.53284		
0.89	-0.23137		
0.95	-0.15141		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.34229	0.02	-1.17567
0.06	0.16142	0.06	-1.01480
0.11	0.05329	0.11	-0.92141
0.18	-0.08727	0.18	-0.81972
0.25	-0.18936	0.25	-0.89739
0.32	-0.31468	0.32	-0.80522
0.39	-0.39791	0.39	-0.36687
0.46	-0.45464	0.46	-0.32826
0.53	-0.53074	0.53	-0.30589
0.60	-0.34065	0.60	-0.26745
0.67	-0.19771	0.67	-0.23691
0.74	-0.12228	0.74	-0.20288
0.81	-0.05014	0.81	-0.14831
0.88	0.00188	0.88	-0.10615
0.95	0.05624	0.95	-0.04146

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
20	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.8512	-1.81	-0.02	31.87 665.6	100.92 2107.7	62.84 1312.5	12.70 3.87	321.54 119.10

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.10763	0.05	-0.42482
0.06	-0.42737	0.10	-0.47623
0.11	-0.45622	0.20	-0.66295
0.17	-0.52280	0.35	-0.71395
0.23	-0.55257	0.50	-0.64511
0.29	-0.55965	0.65	-0.24437
0.35	-0.55532	0.80	-0.21169
0.41	-0.34537	0.95	-0.07889
0.47	-0.58100		
0.53	-0.66022		
0.57	-0.64626		
0.65	-0.73970		
0.71	-0.76952		
0.77	-0.44198		
0.83	-0.19640		
0.89	-0.11414		
0.95	-0.03571		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.29532	0.02	-1.05378
0.06	0.10341	0.06	-0.83593
0.11	-0.00672	0.11	-0.65742
0.18	-0.13575	0.18	-0.79343
0.25	-0.22559	0.25	-0.83510
0.32	-0.35573	0.32	-0.87704
0.39	-0.44288	0.39	-0.50833
0.46	-0.49164	0.46	-0.33931
0.53	-0.56781	0.53	-0.31762
0.60	-0.38183	0.60	-0.29078
0.67	-0.18365	0.67	-0.25126
0.74	-0.10491	0.74	-0.20415
0.81	-0.02162	0.81	-0.13721
0.88	0.03391	0.88	-0.08495
0.95	0.09315	0.95	-0.02472

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
20	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.8508	0.53	-0.01	31.85 665.1	100.88 2107.0	62.84 1312.5	12.70 3.87	321.52 119.07

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.39495	0.05	-0.16882
0.06	-0.68446	0.10	-0.30209
0.11	-0.77350	0.20	-0.44829
0.17	-0.78130	0.35	-0.57718
0.23	-0.78833	0.50	-0.75672
0.29	-0.78587	0.65	-0.23281
0.35	-0.78509	0.80	-0.14638
0.41	-0.41610	0.95	0.04802
0.47	-0.81482		
0.53	-0.84076		
0.57	-0.82470		
0.65	-0.37331		
0.71	-0.27688		
0.77	-0.20125		
0.83	-0.12645		
0.89	-0.07057		
0.95	-0.00542		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.18987	0.02	-0.81450
0.06	0.03336	0.06	-0.58226
0.11	-0.06269	0.11	-0.58578
0.18	-0.18990	0.18	-0.70168
0.25	-0.28109	0.25	-0.75636
0.32	-0.41128	0.32	-0.82384
0.39	-0.49495	0.39	-0.88572
0.46	-0.53294	0.46	-0.45790
0.53	-0.59899	0.53	-0.30892
0.60	-0.26679	0.60	-0.27183
0.67	-0.14921	0.67	-0.21421
0.74	-0.06479	0.74	-0.14239
0.81	0.01061	0.81	-0.07120
0.88	0.08188	0.88	0.01775
0.95	0.16387	0.95	0.10036

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
20	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.8498	2.76	0.00	31.81 664.3	100.88 2107.0	62.91 1313.9	12.70 3.87	321.41 118.87

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.62484	0.05	0.02757
0.06	-0.92423	0.10	-0.13483
0.11	-0.96955	0.20	-0.28465
0.17	-0.97653	0.35	-0.48125
0.23	-0.98780	0.50	-0.68160
0.29	-0.98926	0.65	-0.28883
0.35	-1.00112	0.80	-0.16411
0.41	-0.49143	0.95	0.09911
0.47	-0.44538		
0.53	-0.41820		
0.57	-0.40947		
0.65	-0.38644		
0.71	-0.36165		
0.77	-0.33504		
0.83	-0.30968		
0.89	-0.26538		
0.95	-0.22903		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.11603	0.02	-0.57292
0.06	-0.02016	0.06	-0.50230
0.11	-0.11209	0.11	-0.51460
0.18	-0.24372	0.18	-0.64313
0.25	-0.31998	0.25	-0.70574
0.32	-0.44119	0.32	-0.76169
0.39	-0.53781	0.39	-0.84788
0.46	-0.57569	0.46	-0.88723
0.53	-0.61171	0.53	-0.34680
0.60	-0.22165	0.60	-0.22396
0.67	-0.12407	0.67	-0.12846
0.74	-0.04371	0.74	-0.02609
0.81	0.04137	0.81	0.06442
0.88	0.10775	0.88	0.12252
0.95	0.18551	0.95	0.18762

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
20	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.8503	4.98	0.01	31.83 664.7	100.88 2107.0	62.88 1313.2	12.69 3.87	321.62 119.24

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.80727	0.05	0.21224
0.06	-1.07089	0.10	0.01598
0.11	-1.08016	0.20	-0.16728
0.17	-1.11881	0.35	-0.37777
0.23	-1.11366	0.50	-0.61440
0.29	-0.91965	0.65	-0.29349
0.35	-0.64475	0.80	-0.09252
0.41	-0.56520	0.95	0.14557
0.47	-0.55195		
0.53	-0.54800		
0.57	-0.52810		
0.65	-0.50482		
0.71	-0.46369		
0.77	-0.44235		
0.83	-0.41353		
0.89	-0.39560		
0.95	-0.36939		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.02149	0.02	-0.37031
0.06	-0.08258	0.06	-0.40712
0.11	-0.15373	0.11	-0.44656
0.18	-0.28473	0.18	-0.53535
0.25	-0.36079	0.25	-0.57736
0.32	-0.47937	0.32	-0.67269
0.39	-0.59964	0.39	-0.75457
0.46	-0.63649	0.46	-0.68408
0.53	-0.68321	0.53	-0.26144
0.60	-0.20442	0.60	-0.14750
0.67	-0.10627	0.67	-0.06748
0.74	-0.02457	0.74	0.00790
0.81	0.05013	0.81	0.06264
0.88	0.11856	0.88	0.11623
0.95	0.19319	0.95	0.18408

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
20	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.8510	7.45	0.02	31.85 665.1	100.85 2106.2	62.81 1311.8	12.68 3.87	321.74 119.47

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.98557	0.05	0.37198
0.06	-1.18765	0.10	0.16132
0.11	-1.19457	0.20	-0.04187
0.17	-1.08487	0.35	-0.26053
0.23	-0.89660	0.50	-0.52065
0.29	-0.73018	0.65	-0.23116
0.35	-0.68853	0.80	0.11288
0.41	-0.59843	0.95	0.20387
0.47	-0.61953		
0.53	-0.59807		
0.57	-0.57791		
0.65	-0.58909		
0.71	-0.57535		
0.77	-0.56974		
0.83	-0.54521		
0.89	-0.54716		
0.95	-0.48620		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.08014	0.02	-0.17712
0.06	-0.14971	0.06	-0.23954
0.11	-0.22001	0.11	-0.34514
0.18	-0.33973	0.18	-0.44282
0.25	-0.40977	0.25	-0.50546
0.32	-0.52275	0.32	-0.56621
0.39	-0.63888	0.39	-0.59765
0.46	-0.68218	0.46	-0.34088
0.53	-0.71485	0.53	-0.24835
0.60	-0.21499	0.60	-0.16218
0.67	-0.09883	0.67	-0.07161
0.74	-0.01532	0.74	0.00531
0.81	0.06035	0.81	0.07051
0.88	0.12830	0.88	0.12091
0.95	0.20375	0.95	0.19065

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
20	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.8513	9.48	0.00	31.87 665.6	100.88 2107.0	62.81 1311.8	12.67 3.86	322.08 120.08

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.14932	0.05	0.46302
0.06	-1.06910	0.10	0.25858
0.11	-0.69938	0.20	0.05170
0.17	-0.59412	0.35	-0.18296
0.23	-0.73465	0.50	-0.45206
0.29	-0.62219	0.65	-0.19166
0.35	-0.59475	0.80	0.15792
0.41	-0.58740	0.95	0.20699
0.47	-0.57919		
0.53	-0.59874		
0.57	-0.59660		
0.65	-0.62701		
0.71	-0.59748		
0.77	-0.59577		
0.83	-0.59534		
0.89	-0.59895		
0.95	-0.58071		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.15870	0.02	-0.03115
0.06	-0.20881	0.06	-0.10298
0.11	-0.26162	0.11	-0.15401
0.18	-0.38566	0.18	-0.30643
0.25	-0.43638	0.25	-0.27575
0.32	-0.54521	0.32	-0.32706
0.39	-0.71474	0.39	-0.26146
0.46	-0.75452	0.46	-0.25148
0.53	-0.76147	0.53	-0.19219
0.60	-0.23057	0.60	-0.10007
0.67	-0.10360	0.67	-0.02663
0.74	-0.01201	0.74	0.03862
0.81	0.05665	0.81	0.08774
0.88	0.12369	0.88	0.12622
0.95	0.19529	0.95	0.18811

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
20	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.8485	11.52	0.01	31.74 662.9	100.85 2106.2	62.97 1315.2	12.65 3.86	322.03 119.98

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.51895	0.05	0.55231
0.06	-0.52174	0.10	0.35316
0.11	-0.50733	0.20	0.13891
0.17	-0.51263	0.35	-0.10385
0.23	-0.50414	0.50	-0.37273
0.29	-0.52225	0.65	-0.19385
0.35	-0.53938	0.80	0.17915
0.41	-0.57852	0.95	0.21600
0.47	-0.54305		
0.53	-0.53959		
0.57	-0.55317		
0.65	-0.56995		
0.71	-0.58721		
0.77	-0.59465		
0.83	-0.59874		
0.89	-0.60322		
0.95	-0.60177		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.23178	0.02	-0.02637
0.06	-0.25943	0.06	-0.10920
0.11	-0.31210	0.11	-0.17257
0.18	-0.43678	0.18	-0.24021
0.25	-0.49555	0.25	-0.26571
0.32	-0.59664	0.32	-0.23792
0.39	-0.72205	0.39	-0.21135
0.46	-0.75975	0.46	-0.16682
0.53	-0.54011	0.53	-0.11394
0.60	-0.20271	0.60	-0.05523
0.67	-0.09600	0.67	0.01034
0.74	-0.01265	0.74	0.06640
0.81	0.05701	0.81	0.09326
0.88	0.11798	0.88	0.12834
0.95	0.18889	0.95	0.17979

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
20	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.8523	13.65	0.05	31.91 666.4	100.88 2107.0	62.75 1310.5	12.66 3.86	322.38 120.62

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.52662	0.05	0.64588
0.06	-0.50890	0.10	0.44328
0.11	-0.50538	0.20	0.22869
0.17	-0.51151	0.35	-0.01272
0.23	-0.50514	0.50	-0.26621
0.29	-0.50999	0.65	-0.16071
0.35	-0.53417	0.80	0.19843
0.41	-0.56213	0.95	0.23278
0.47	-0.54956		
0.53	-0.55033		
0.57	-0.57048		
0.65	-0.57929		
0.71	-0.59817		
0.77	-0.60659		
0.83	-0.60400		
0.89	-0.60531		
0.95	-0.60847		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.03141	0.02	-0.23768
0.06	-0.17177	0.06	-0.24400
0.11	-0.25664	0.11	-0.23256
0.18	-0.40282	0.18	-0.24082
0.25	-0.45901	0.25	-0.20642
0.32	-0.54956	0.32	-0.18252
0.39	-0.64664	0.39	-0.16088
0.46	-0.66316	0.46	-0.12877
0.53	-0.40069	0.53	-0.07867
0.60	-0.20221	0.60	-0.04232
0.67	-0.11562	0.67	0.01358
0.74	-0.04832	0.74	0.04689
0.81	0.00750	0.81	0.07823
0.88	0.05993	0.88	0.10144
0.95	0.10675	0.95	0.12340

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
20	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.8480	15.81	-0.01	31.72 662.5	100.85 2106.2	63.01 1315.9	12.60 3.84	322.91 121.56

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.50253	0.05	0.72922
0.06	-0.50340	0.10	0.53818
0.11	-0.51648	0.20	0.32184
0.17	-0.51371	0.35	0.08052
0.23	-0.52311	0.50	-0.15413
0.29	-0.52637	0.65	-0.09478
0.35	-0.53649	0.80	0.22877
0.41	-0.55835	0.95	0.25044
0.47	-0.55077		
0.53	-0.57002		
0.57	-0.57304		
0.65	-0.58128		
0.71	-0.58879		
0.77	-0.59024		
0.83	-0.60316		
0.89	-0.60777		
0.95	-0.60639		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.02083	0.02	-0.49578
0.06	-0.10967	0.06	-0.36412
0.11	-0.18911	0.11	-0.26191
0.18	-0.29881	0.18	-0.21613
0.25	-0.36223	0.25	-0.17680
0.32	-0.40245	0.32	-0.14598
0.39	-0.39181	0.39	-0.11954
0.46	-0.32237	0.46	-0.08828
0.53	-0.26738	0.53	-0.06877
0.60	-0.18281	0.60	-0.03624
0.67	-0.13086	0.67	-0.02136
0.74	-0.07907	0.74	-0.01028
0.81	-0.04025	0.81	0.01829
0.88	-0.01549	0.88	0.02692
0.95	0.00893	0.95	0.03583

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
20	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.8488	17.81	-0.03	31.76 663.4	100.88 2107.0	62.98 1315.3	12.62 3.85	322.81 121.39

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.50088	0.05	0.78744
0.06	-0.47453	0.10	0.60539
0.11	-0.49197	0.20	0.38829
0.17	-0.46784	0.35	0.15244
0.23	-0.49882	0.50	-0.06694
0.29	-0.51865	0.65	-0.02283
0.35	-0.51793	0.80	0.25606
0.41	-0.54361	0.95	0.26425
0.47	-0.51487		
0.53	-0.53603		
0.57	-0.54256		
0.65	-0.55541		
0.71	-0.56844		
0.77	-0.56287		
0.83	-0.56423		
0.89	-0.57033		
0.95	-0.55073		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.13512	0.02	-0.52572
0.06	-0.15532	0.06	-0.35439
0.11	-0.19075	0.11	-0.27519
0.18	-0.22162	0.18	-0.22330
0.25	-0.23800	0.25	-0.18149
0.32	-0.23696	0.32	-0.17079
0.39	-0.23067	0.39	-0.14354
0.46	-0.22084	0.46	-0.13502
0.53	-0.19432	0.53	-0.12017
0.60	-0.16479	0.60	-0.10713
0.67	-0.13963	0.67	-0.09651
0.74	-0.11491	0.74	-0.07416
0.81	-0.09029	0.81	-0.07577
0.88	-0.08081	0.88	-0.05004
0.95	-0.07059	0.95	-0.04706

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
20	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.8500	20.01	0.09	31.80 664.2	100.85 2106.2	62.88 1313.2	12.59 3.84	323.43 122.50

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.50306	0.05	0.85138
0.06	-0.48804	0.10	0.68267
0.11	-0.58569	0.20	0.47309
0.17	-0.51464	0.35	0.24184
0.23	-0.51212	0.50	0.02129
0.29	-0.50354	0.65	0.04575
0.35	-0.60141	0.80	0.28773
0.41	-0.53641	0.95	0.28703
0.47	-0.56342		
0.53	-0.59762		
0.57	-0.56112		
0.65	-0.58359		
0.71	-0.58119		
0.77	-0.59672		
0.83	-0.55586		
0.89	-0.55845		
0.95	-0.55379		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.29645	0.02	-0.37817
0.06	-0.31905	0.06	-0.32617
0.11	-0.32747	0.11	-0.32306
0.18	-0.31709	0.18	-0.27749
0.25	-0.30942	0.25	-0.29623
0.32	-0.29491	0.32	-0.29764
0.39	-0.30466	0.39	-0.25559
0.46	-0.26586	0.46	-0.27927
0.53	-0.22620	0.53	-0.27747
0.60	-0.21831	0.60	-0.24843
0.67	-0.20681	0.67	-0.25874
0.74	-0.19132	0.74	-0.23440
0.81	-0.16966	0.81	-0.23369
0.88	-0.15698	0.88	-0.22545
0.95	-0.13985	0.95	-0.26969

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
20	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.8493	-1.66	-0.01	31.78 663.8	100.88 2107.0	62.94 1314.6	12.60 3.84	323.22 122.13

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.11742	0.05	-0.41896
0.06	-0.43901	0.10	-0.44415
0.11	-0.46490	0.20	-0.65290
0.17	-0.53322	0.35	-0.71101
0.23	-0.56034	0.50	-0.61701
0.29	-0.52263	0.65	-0.23415
0.35	-0.56741	0.80	-0.18760
0.41	-0.54217	0.95	-0.04376
0.47	-0.59849		
0.53	-0.66640		
0.57	-0.64954		
0.65	-0.73334		
0.71	-0.75441		
0.77	-0.30895		
0.83	-0.18592		
0.89	-0.10223		
0.95	-0.02718		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.27347	0.02	-1.04188
0.06	0.09325	0.06	-0.83612
0.11	-0.00344	0.11	-0.65285
0.18	-0.13642	0.18	-0.79494
0.25	-0.23583	0.25	-0.84768
0.32	-0.36102	0.32	-0.86398
0.39	-0.45006	0.39	-0.68518
0.46	-0.49910	0.46	-0.34740
0.53	-0.56056	0.53	-0.31698
0.60	-0.28585	0.60	-0.28712
0.67	-0.17847	0.67	-0.25411
0.74	-0.09616	0.74	-0.20256
0.81	-0.03342	0.81	-0.12692
0.88	0.03387	0.88	-0.05828
0.95	0.10535	0.95	0.02560

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
21	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.6001	-6.26	0.00	19.96 416.9	101.02 2109.8	79.19 1653.9	10.97 3.35	307.72 94.23

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.52595	0.05	-1.95649
0.06	0.19407	0.10	-1.05776
0.11	0.07543	0.20	-0.86179
0.17	-0.04056	0.35	-0.69291
0.23	-0.06624	0.50	-0.55516
0.29	-0.10901	0.65	-0.17227
0.35	-0.14715	0.80	0.06840
0.41	0.64019	0.95	0.17138
0.47	-0.19414		
0.53	-0.21309		
0.57	-0.19745		
0.65	-0.22140		
0.71	-0.19444		
0.77	-0.16565		
0.83	-0.12863		
0.89	-0.08053		
0.95	-0.00558		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.68715	0.02	-0.56515
0.06	0.53685	0.06	-0.60301
0.11	0.41484	0.11	-0.62774
0.18	0.27192	0.18	-0.62410
0.25	0.16598	0.25	-0.52415
0.32	0.05870	0.32	-0.49374
0.39	-0.01758	0.39	-0.48288
0.46	-0.07420	0.46	-0.48870
0.53	-0.11433	0.53	-0.48077
0.60	-0.13849	0.60	-0.49254
0.67	-0.15140	0.67	-0.48340
0.74	-0.16421	0.74	-0.49407
0.81	-0.17912	0.81	-0.45890
0.88	-0.21998	0.88	-0.44960
0.95	-0.29389	0.95	-0.41692

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
21	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.6012	-4.07	0.00	20.02 418.1	101.02 2109.8	79.12 1652.5	10.97 3.34	308.16 95.01

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.26073	0.05	-1.06083
0.06	-0.06707	0.10	-0.83274
0.11	-0.13867	0.20	-0.69839
0.17	-0.19263	0.35	-0.60509
0.23	-0.20903	0.50	-0.52271
0.29	-0.22942	0.65	-0.17811
0.35	-0.24942	0.80	0.12211
0.41	0.49913	0.95	0.22577
0.47	-0.27713		
0.53	-0.28417		
0.57	-0.25690		
0.65	-0.26879		
0.71	-0.24709		
0.77	-0.20703		
0.83	-0.15668		
0.89	-0.09641		
0.95	-0.01554		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.67722	0.02	-0.80401
0.06	0.51155	0.06	-0.82106
0.11	0.38541	0.11	-0.83296
0.18	0.24493	0.18	-0.76726
0.25	0.14245	0.25	-0.58137
0.32	0.03445	0.32	-0.51568
0.39	-0.03561	0.39	-0.50667
0.46	-0.09034	0.46	-0.50490
0.53	-0.13133	0.53	-0.52569
0.60	-0.14686	0.60	-0.49398
0.67	-0.15317	0.67	-0.51488
0.74	-0.16469	0.74	-0.50900
0.81	-0.16724	0.81	-0.44319
0.88	-0.20105	0.88	-0.43908
0.95	-0.27412	0.95	-0.40958

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
21	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.6018	-1.90	-0.01	20.05 418.7	101.02 2109.8	79.09 1651.8	10.97 3.34	308.36 95.38

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.16420	0.05	-0.57051
0.06	-0.35657	0.10	-0.54515
0.11	-0.37160	0.20	-0.51308
0.17	-0.34229	0.35	-0.49997
0.23	-0.34658	0.50	-0.47016
0.29	-0.37294	0.65	-0.16242
0.35	-0.37309	0.80	0.14494
0.41	0.37329	0.95	0.25219
0.47	-0.37193		
0.53	-0.36371		
0.57	-0.33359		
0.65	-0.33349		
0.71	-0.29643		
0.77	-0.24468		
0.83	-0.18539		
0.89	-0.12002		
0.95	-0.02489		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.68265	0.02	-0.90567
0.06	0.48656	0.06	-0.83110
0.11	0.35795	0.11	-0.83761
0.18	0.21548	0.18	-0.77646
0.25	0.10744	0.25	-0.56570
0.32	0.00057	0.32	-0.53607
0.39	-0.06244	0.39	-0.55720
0.46	-0.10515	0.46	-0.54938
0.53	-0.13893	0.53	-0.58120
0.60	-0.15985	0.60	-0.56490
0.67	-0.15909	0.67	-0.54505
0.74	-0.16768	0.74	-0.51601
0.81	-0.16353	0.81	-0.48958
0.88	-0.19606	0.88	-0.46013
0.95	-0.25526	0.95	-0.41038

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
21	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.6007	0.33	0.00	19.99 417.5	101.02 2109.8	79.16 1653.2	10.94 3.34	308.62 95.85

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.67875	0.05	-0.19278
0.06	-0.75852	0.10	-0.31822
0.11	-0.67250	0.20	-0.36491
0.17	-0.55790	0.35	-0.39235
0.23	-0.52841	0.50	-0.39053
0.29	-0.50769	0.65	-0.12714
0.35	-0.47823	0.80	0.18123
0.41	0.24284	0.95	0.27168
0.47	-0.44484		
0.53	-0.44275		
0.57	-0.39787		
0.65	-0.38166		
0.71	-0.32927		
0.77	-0.27033		
0.83	-0.20548		
0.89	-0.13411		
0.95	-0.03723		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.67789	0.02	-0.89533
0.06	0.47610	0.06	-0.93768
0.11	0.34646	0.11	-0.91620
0.18	0.19825	0.18	-0.79658
0.25	0.08756	0.25	-0.59268
0.32	-0.01292	0.32	-0.57356
0.39	-0.07184	0.39	-0.56594
0.46	-0.12015	0.46	-0.58536
0.53	-0.15132	0.53	-0.55449
0.60	-0.15352	0.60	-0.53983
0.67	-0.15611	0.67	-0.51110
0.74	-0.15634	0.74	-0.47827
0.81	-0.15218	0.81	-0.44308
0.88	-0.17476	0.88	-0.40020
0.95	-0.22955	0.95	-0.35357

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
21	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.6016	2.68	0.00	20.05 418.7	101.05 2110.5	79.12 1652.5	10.95 3.34	308.66 95.91

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.49930	0.05	0.09989
0.06	-1.22825	0.10	-0.06592
0.11	-0.89391	0.20	-0.19120
0.17	-0.80564	0.35	-0.26619
0.23	-0.71537	0.50	-0.30626
0.29	-0.65622	0.65	-0.08956
0.35	-0.61037	0.80	0.21063
0.41	0.10649	0.95	0.29345
0.47	-0.53455		
0.53	-0.51990		
0.57	-0.46724		
0.65	-0.42421		
0.71	-0.36234		
0.77	-0.29086		
0.83	-0.21519		
0.89	-0.13602		
0.95	-0.03641		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.66695	0.02	-0.94251
0.06	0.45450	0.06	-0.99041
0.11	0.31935	0.11	-0.94258
0.18	0.17993	0.18	-0.81232
0.25	0.07397	0.25	-0.67352
0.32	-0.02717	0.32	-0.63989
0.39	-0.09563	0.39	-0.60669
0.46	-0.12876	0.46	-0.57354
0.53	-0.14785	0.53	-0.55555
0.60	-0.15438	0.60	-0.50588
0.67	-0.14337	0.67	-0.47953
0.74	-0.13852	0.74	-0.44121
0.81	-0.12567	0.81	-0.39339
0.88	-0.14669	0.88	-0.33404
0.95	-0.19119	0.95	-0.28786

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
21	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.6008	4.80	0.00	19.99 417.5	100.98 2109.1	79.12 1652.5	10.93 3.33	308.81 96.18

WING

UPPER SURFACE

X/C	CP
0.02	-2.18054
0.06	-2.11454
0.11	-1.07068
0.17	-0.95257
0.23	-0.84016
0.29	-0.76068
0.35	-0.69974
0.41	-0.02992
0.47	-0.58645
0.53	-0.56412
0.57	-0.51140
0.65	-0.44967
0.71	-0.36889
0.77	-0.29533
0.83	-0.21725
0.89	-0.12845
0.95	-0.03725

LOWER SURFACE

X/C	CP
0.05	0.31596
0.10	0.11207
0.20	-0.04659
0.35	-0.17411
0.50	-0.24700
0.65	-0.07126
0.80	0.22372
0.95	0.29267

HORIZ. TAIL

UPPER SURFACE

X/C	CP
0.02	0.64579
0.06	0.42221
0.11	0.29846
0.18	0.15520
0.25	0.05370
0.32	-0.04469
0.39	-0.09932
0.46	-0.13695
0.53	-0.14736
0.60	-0.14285
0.67	-0.13928
0.74	-0.11726
0.81	-0.10802
0.88	-0.12128
0.95	-0.14334

LOWER SURFACE

X/C	CP
0.02	-0.96797
0.06	-1.00387
0.11	-0.98073
0.18	-0.88560
0.25	-0.74947
0.32	-0.68878
0.39	-0.62038
0.46	-0.57241
0.53	-0.52358
0.60	-0.47739
0.67	-0.43404
0.74	-0.39148
0.81	-0.32636
0.88	-0.29900
0.95	-0.24434

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
21	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.6007	7.33	0.00	19.99 417.5	101.02 2109.8	79.16 1653.2	10.93 3.33	308.92 96.39

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-2.44906	0.05	0.46904
0.06	-2.43729	0.10	0.27410
0.11	-1.86203	0.20	0.07573
0.17	-1.43349	0.35	-0.07986
0.23	-1.08119	0.50	-0.18238
0.29	-0.89715	0.65	-0.05181
0.35	-0.77724	0.80	0.23024
0.41	-0.17824	0.95	0.29324
0.47	-0.61128		
0.53	-0.54503		
0.57	-0.49930		
0.65	-0.42270		
0.71	-0.35053		
0.77	-0.28404		
0.83	-0.20880		
0.89	-0.14168		
0.95	-0.08641		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.63665	0.02	-1.02713
0.06	0.40884	0.06	-1.05524
0.11	0.28022	0.11	-1.01309
0.18	0.13311	0.18	-0.95707
0.25	0.02906	0.25	-0.85762
0.32	-0.05687	0.32	-0.73922
0.39	-0.11098	0.39	-0.61209
0.46	-0.14164	0.46	-0.53822
0.53	-0.15049	0.53	-0.45169
0.60	-0.12966	0.60	-0.37488
0.67	-0.11769	0.67	-0.33594
0.74	-0.08586	0.74	-0.27910
0.81	-0.06661	0.81	-0.21841
0.88	-0.07310	0.88	-0.18156
0.95	-0.07319	0.95	-0.14683

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
21	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.6007	9.13	0.00	19.99 417.5	101.02 2109.8	79.16 1653.2	10.91 3.33	309.31 97.09

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.64369	0.05	0.54600
0.06	-1.31637	0.10	0.32048
0.11	-1.06939	0.20	0.11266
0.17	-1.05044	0.35	-0.07028
0.23	-1.10852	0.50	-0.18896
0.29	-0.97769	0.65	-0.10133
0.35	-0.84501	0.80	0.18110
0.41	-0.31284	0.95	0.20318
0.47	-0.78660		
0.53	-0.72342		
0.57	-0.67649		
0.65	-0.56417		
0.71	-0.50730		
0.77	-0.45563		
0.83	-0.41277		
0.89	-0.35331		
0.95	-0.31852		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.63507	0.02	-1.23182
0.06	0.39954	0.06	-1.22762
0.11	0.26637	0.11	-1.17578
0.18	0.11546	0.18	-1.04443
0.25	0.02107	0.25	-0.90368
0.32	-0.05794	0.32	-0.75125
0.39	-0.11814	0.39	-0.59147
0.46	-0.13669	0.46	-0.49600
0.53	-0.13197	0.53	-0.39342
0.60	-0.11046	0.60	-0.27915
0.67	-0.09132	0.67	-0.22610
0.74	-0.05561	0.74	-0.18200
0.81	-0.02495	0.81	-0.12148
0.88	0.00356	0.88	-0.08865
0.95	0.02567	0.95	-0.02459

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
21	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.6023	11.20	0.02	20.08 419.3	101.02 2109.8	79.06 1651.1	10.94 3.33	309.16 96.82

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.60632	0.05	0.56626
0.06	-0.57337	0.10	0.35288
0.11	-0.54920	0.20	0.13411
0.17	-0.69477	0.35	-0.06350
0.23	-0.63753	0.50	-0.22214
0.29	-0.66479	0.65	-0.16513
0.35	-0.61233	0.80	0.11289
0.41	-0.35496	0.95	0.11040
0.47	-0.64880		
0.53	-0.67374		
0.57	-0.67942		
0.65	-0.69244		
0.71	-0.68709		
0.77	-0.66745		
0.83	-0.65446		
0.89	-0.63302		
0.95	-0.58733		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.57789	0.02	-1.71612
0.06	0.33543	0.06	-1.41313
0.11	0.21014	0.11	-1.10785
0.18	0.05566	0.18	-0.81860
0.25	-0.03348	0.25	-0.64584
0.32	-0.10947	0.32	-0.53754
0.39	-0.14571	0.39	-0.45679
0.46	-0.16613	0.46	-0.36493
0.53	-0.15878	0.53	-0.29036
0.60	-0.11567	0.60	-0.20579
0.67	-0.08634	0.67	-0.12789
0.74	-0.04018	0.74	-0.05784
0.81	-0.00043	0.81	0.00192
0.88	0.03043	0.88	0.03781
0.95	0.07936	0.95	0.08942

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
21	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.6040	13.07	0.09	20.16 421.0	101.02 2109.8	78.95 1648.9	10.94 3.33	309.65 97.70

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.54591	0.05	0.58478
0.06	-0.54014	0.10	0.36761
0.11	-0.69407	0.20	0.14993
0.17	-0.53132	0.35	-0.05976
0.23	-0.54477	0.50	-0.22361
0.29	-0.55429	0.65	-0.19964
0.35	-0.57078	0.80	0.08730
0.41	-0.37666	0.95	0.07568
0.47	-0.59040		
0.53	-0.61587		
0.57	-0.63228		
0.65	-0.64638		
0.71	-0.66461		
0.77	-0.65309		
0.83	-0.67188		
0.89	-0.65002		
0.95	-0.63063		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.54711	0.02	-1.66003
0.06	0.29060	0.06	-1.07913
0.11	0.16232	0.11	-0.71527
0.18	0.02897	0.18	-0.55586
0.25	-0.05301	0.25	-0.42653
0.32	-0.12932	0.32	-0.37940
0.39	-0.15729	0.39	-0.32375
0.46	-0.16629	0.46	-0.25876
0.53	-0.15416	0.53	-0.18728
0.60	-0.11518	0.60	-0.13872
0.67	-0.08009	0.67	-0.06324
0.74	-0.03624	0.74	-0.01338
0.81	0.00828	0.81	0.03164
0.88	0.04493	0.88	0.07193
0.95	0.09497	0.95	0.11664

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
21	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.6029	15.03	0.11	20.10 419.9	101.02 2109.8	79.02 1650.3	10.93 3.33	309.48 97.39

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.50827	0.05	0.62819
0.06	-0.49130	0.10	0.43129
0.11	-0.48206	0.20	0.21468
0.17	-0.52886	0.35	-0.00712
0.23	-0.55871	0.50	-0.19610
0.29	-0.53977	0.65	-0.19553
0.35	-0.52521	0.80	0.08035
0.41	-0.39579	0.95	0.05570
0.47	-0.57227		
0.53	-0.57170		
0.57	-0.58383		
0.65	-0.62799		
0.71	-0.62583		
0.77	-0.63736		
0.83	-0.66679		
0.89	-0.65838		
0.95	-0.65455		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.57865	0.02	-1.16183
0.06	0.34176	0.06	-0.84424
0.11	0.20420	0.11	-0.62136
0.18	0.05771	0.18	-0.43953
0.25	-0.02533	0.25	-0.33465
0.32	-0.10929	0.32	-0.25820
0.39	-0.13799	0.39	-0.23927
0.46	-0.14364	0.46	-0.17966
0.53	-0.14544	0.53	-0.12190
0.60	-0.10378	0.60	-0.08850
0.67	-0.07094	0.67	-0.04615
0.74	-0.03699	0.74	-0.00679
0.81	-0.00678	0.81	0.02496
0.88	0.02823	0.88	0.04424
0.95	0.06833	0.95	0.08168

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
21	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.6023	17.12	0.12	20.08 419.3	101.02 2109.8	79.06 1651.1	10.91 3.32	309.89 98.14

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.52818	0.05	0.69833
0.06	-0.51537	0.10	0.50677
0.11	-0.52532	0.20	0.28716
0.17	-0.51085	0.35	0.06386
0.23	-0.52233	0.50	-0.13538
0.29	-0.52166	0.65	-0.14661
0.35	-0.52818	0.80	0.10538
0.41	-0.41001	0.95	0.06663
0.47	-0.54993		
0.53	-0.58548		
0.57	-0.59489		
0.65	-0.60880		
0.71	-0.63079		
0.77	-0.64425		
0.83	-0.65370		
0.89	-0.66010		
0.95	-0.65419		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.50443	0.02	-0.82302
0.06	0.35337	0.06	-0.61477
0.11	0.24466	0.11	-0.50137
0.18	0.10552	0.18	-0.34094
0.25	0.02432	0.25	-0.29901
0.32	-0.04005	0.32	-0.19637
0.39	-0.09274	0.39	-0.14471
0.46	-0.11248	0.46	-0.12275
0.53	-0.11987	0.53	-0.07896
0.60	-0.09840	0.60	-0.04976
0.67	-0.07703	0.67	-0.02932
0.74	-0.05368	0.74	-0.01843
0.81	-0.03077	0.81	-0.00209
0.88	-0.01540	0.88	0.00827
0.95	0.00795	0.95	0.02235

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
21	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.6012	19.26	0.16	20.02 418.1	101.02 2109.8	79.12 1652.5	10.90 3.32	309.67 97.73

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.50057	0.05	0.74358
0.06	-0.51498	0.10	0.57474
0.11	-0.51476	0.20	0.36091
0.17	-0.51696	0.35	0.12905
0.23	-0.51698	0.50	-0.07877
0.29	-0.51876	0.65	-0.10203
0.35	-0.53837	0.80	0.12535
0.41	-0.43112	0.95	0.08774
0.47	-0.55151		
0.53	-0.57784		
0.57	-0.57687		
0.65	-0.59829		
0.71	-0.60593		
0.77	-0.62545		
0.83	-0.62469		
0.89	-0.65945		
0.95	-0.65207		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.19947	0.02	-0.47782
0.06	0.21347	0.06	-0.39652
0.11	0.15428	0.11	-0.31694
0.18	0.08437	0.18	-0.27478
0.25	0.03849	0.25	-0.19886
0.32	-0.01354	0.32	-0.15488
0.39	-0.05569	0.39	-0.12694
0.46	-0.08240	0.46	-0.10702
0.53	-0.07870	0.53	-0.09340
0.60	-0.07643	0.60	-0.10319
0.67	-0.06643	0.67	-0.09371
0.74	-0.05364	0.74	-0.05831
0.81	-0.04198	0.81	-0.05736
0.88	-0.03215	0.88	-0.04480
0.95	-0.02356	0.95	-0.03860

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
21	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.6008	-1.76	0.00	19.99 417.5	100.98 2109.1	79.12 1652.5	10.89 3.32	309.74 97.87

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.13454	0.05	-0.58407
0.06	-0.35975	0.10	-0.53307
0.11	-0.36935	0.20	-0.52150
0.17	-0.35435	0.35	-0.48738
0.23	-0.36707	0.50	-0.46793
0.29	-0.37135	0.65	-0.16005
0.35	-0.37139	0.80	0.14883
0.41	-0.41366	0.95	0.24722
0.47	-0.37635		
0.53	-0.37807		
0.57	-0.34344		
0.65	-0.33668		
0.71	-0.29856		
0.77	-0.25091		
0.83	-0.18765		
0.89	-0.11550		
0.95	-0.02858		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.67814	0.02	-0.69543
0.06	0.49565	0.06	-0.70056
0.11	0.36530	0.11	-0.74277
0.18	0.22840	0.18	-0.73852
0.25	0.11572	0.25	-0.60637
0.32	0.01391	0.32	-0.57673
0.39	-0.06338	0.39	-0.54443
0.46	-0.11079	0.46	-0.51019
0.53	-0.13997	0.53	-0.51138
0.60	-0.14690	0.60	-0.52305
0.67	-0.15606	0.67	-0.52350
0.74	-0.15864	0.74	-0.49338
0.81	-0.16828	0.81	-0.46693
0.88	-0.20265	0.88	-0.43430
0.95	-0.26433	0.95	-0.38469

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
22	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7820	-6.53	0.00	28.83 602.2	100.88 2107.0	67.36 1406.9	12.40 3.78	317.52 111.87

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.45187	0.05	-1.30933
0.06	0.12567	0.10	-1.30376
0.11	0.00878	0.20	-1.30394
0.17	-0.07519	0.35	-0.73920
0.23	-0.12147	0.50	-0.51785
0.29	-0.17232	0.65	-0.34666
0.35	-0.21378	0.80	-0.18204
0.41	0.06047	0.95	-0.01956
0.47	-0.28620		
0.53	-0.33754		
0.57	-0.31367		
0.65	-0.36074		
0.71	-0.34125		
0.77	-0.30536		
0.83	-0.26653		
0.89	-0.21703		
0.95	-0.17062		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.70489	0.02	-0.48726
0.06	0.55672	0.06	-0.47033
0.11	0.44684	0.11	-0.46166
0.18	0.30099	0.18	-0.48958
0.25	0.19111	0.25	-0.45556
0.32	0.08125	0.32	-0.44037
0.39	-0.01331	0.39	-0.44323
0.46	-0.07556	0.46	-0.44518
0.53	-0.12209	0.53	-0.44777
0.60	-0.14541	0.60	-0.44554
0.67	-0.16600	0.67	-0.44472
0.74	-0.18065	0.74	-0.44824
0.81	-0.19733	0.81	-0.43929
0.88	-0.23914	0.88	-0.42211
0.95	-0.32393	0.95	-0.39616

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
22	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.7804	-4.29	-0.01	28.76 600.7	100.88 2107.0	67.47 1409.1	12.36 3.77	317.93 112.61

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.22498	0.05	-1.11589
0.06	-0.10109	0.10	-1.00115
0.11	-0.18865	0.20	-0.93669
0.17	-0.21305	0.35	-1.03056
0.23	-0.24518	0.50	-0.45115
0.29	-0.28095	0.65	-0.11800
0.35	-0.29730	0.80	0.00250
0.41	0.01138	0.95	0.15402
0.47	-0.33373		
0.53	-0.38203		
0.57	-0.34109		
0.65	-0.34396		
0.71	-0.28381		
0.77	-0.22224		
0.83	-0.15354		
0.89	-0.08294		
0.95	0.00717		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.70297	0.02	-0.54844
0.06	0.53723	0.06	-0.61954
0.11	0.41653	0.11	-0.64297
0.18	0.27346	0.18	-0.53355
0.25	0.16546	0.25	-0.50116
0.32	0.05235	0.32	-0.46068
0.39	-0.03732	0.39	-0.42625
0.46	-0.09529	0.46	-0.42333
0.53	-0.14191	0.53	-0.42511
0.60	-0.16650	0.60	-0.44487
0.67	-0.18008	0.67	-0.44603
0.74	-0.18888	0.74	-0.44208
0.81	-0.21026	0.81	-0.43370
0.88	-0.25097	0.88	-0.42402
0.95	-0.32931	0.95	-0.38326

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
22	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.7794	-1.86	-0.01	28.71 599.7	100.88 2107.0	67.54 1410.5	12.35 3.77	317.93 112.61

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.12560	0.05	-0.58937
0.06	-0.38048	0.10	-0.60549
0.11	-0.41563	0.20	-0.69119
0.17	-0.44809	0.35	-0.76195
0.23	-0.45706	0.50	-0.52388
0.29	-0.46477	0.65	-0.08903
0.35	-0.46278	0.80	0.12085
0.41	-0.05330	0.95	0.25398
0.47	-0.44265		
0.53	-0.46651		
0.57	-0.41552		
0.65	-0.38489		
0.71	-0.31657		
0.77	-0.23546		
0.83	-0.15432		
0.89	-0.06334		
0.95	0.04554		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.68828	0.02	-0.63301
0.06	0.49685	0.06	-0.67565
0.11	0.37732	0.11	-0.66017
0.18	0.22677	0.18	-0.58870
0.25	0.11229	0.25	-0.49883
0.32	-0.00153	0.32	-0.46035
0.39	-0.09375	0.39	-0.43317
0.46	-0.14705	0.46	-0.43896
0.53	-0.19368	0.53	-0.44684
0.60	-0.21187	0.60	-0.47980
0.67	-0.21063	0.67	-0.46727
0.74	-0.20999	0.74	-0.44381
0.81	-0.20581	0.81	-0.43130
0.88	-0.23592	0.88	-0.40972
0.95	-0.30757	0.95	-0.37604

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
22	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.7794	0.39	-0.01	28.71 599.7	100.88 2107.0	67.54 1410.5	12.33 3.76	318.47 113.58

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.55301	0.05	-0.22922
0.06	-0.79175	0.10	-0.32207
0.11	-0.89361	0.20	-0.43797
0.17	-0.76296	0.35	-0.55244
0.23	-0.74765	0.50	-0.53248
0.29	-0.61606	0.65	-0.09348
0.35	-0.60760	0.80	0.18098
0.41	-0.14455	0.95	0.29070
0.47	-0.53356		
0.53	-0.53575		
0.57	-0.46815		
0.65	-0.41914		
0.71	-0.33396		
0.77	-0.24716		
0.83	-0.16327		
0.89	-0.06733		
0.95	0.03760		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.65875	0.02	-0.66195
0.06	0.45863	0.06	-0.62554
0.11	0.33674	0.11	-0.67735
0.18	0.19001	0.18	-0.68505
0.25	0.07813	0.25	-0.48997
0.32	-0.03696	0.32	-0.45130
0.39	-0.11888	0.39	-0.45783
0.46	-0.17612	0.46	-0.46397
0.53	-0.21500	0.53	-0.46831
0.60	-0.22945	0.60	-0.47626
0.67	-0.23091	0.67	-0.46444
0.74	-0.22433	0.74	-0.45829
0.81	-0.21243	0.81	-0.42867
0.88	-0.23694	0.88	-0.41105
0.95	-0.28725	0.95	-0.36438

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
22	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.7792	2.94	0.00	28.72 599.8	100.92 2107.7	67.57 1411.2	12.31 3.75	318.83 114.22

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.91663	0.05	0.08065
0.06	-1.18904	0.10	-0.07960
0.11	-1.21895	0.20	-0.21878
0.17	-1.23262	0.35	-0.36602
0.23	-1.21802	0.50	-0.42541
0.29	-1.19197	0.65	-0.07805
0.35	-1.20512	0.80	0.22629
0.41	-0.28045	0.95	0.32603
0.47	-0.73143		
0.53	-0.45780		
0.57	-0.38478		
0.65	-0.33787		
0.71	-0.27557		
0.77	-0.21414		
0.83	-0.13830		
0.89	-0.05560		
0.95	0.03123		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.65593	0.02	-0.66706
0.06	0.45009	0.06	-0.77149
0.11	0.31269	0.11	-0.72329
0.18	0.15463	0.18	-0.70108
0.25	0.04340	0.25	-0.49815
0.32	-0.07132	0.32	-0.46557
0.39	-0.15254	0.39	-0.45967
0.46	-0.20023	0.46	-0.46638
0.53	-0.24111	0.53	-0.49418
0.60	-0.24458	0.60	-0.46596
0.67	-0.24521	0.67	-0.46522
0.74	-0.22971	0.74	-0.45091
0.81	-0.21522	0.81	-0.43450
0.88	-0.21970	0.88	-0.40471
0.95	-0.25786	0.95	-0.35113

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
22	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.7794	5.09	0.01	28.71 599.7	100.88 2107.0	67.54 1410.5	12.32 3.75	318.66 113.92

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.12008	0.05	0.26113
0.06	-1.39359	0.10	0.05395
0.11	-1.40086	0.20	-0.12198
0.17	-1.39036	0.35	-0.29163
0.23	-1.37685	0.50	-0.42322
0.29	-1.24184	0.65	-0.14384
0.35	-0.85142	0.80	0.18742
0.41	-0.42443	0.95	0.23494
0.47	-0.68967		
0.53	-0.64585		
0.57	-0.59924		
0.65	-0.50685		
0.71	-0.43677		
0.77	-0.37514		
0.83	-0.31611		
0.89	-0.26156		
0.95	-0.20265		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.61949	0.02	-0.78531
0.06	0.40485	0.06	-0.79963
0.11	0.28108	0.11	-0.82165
0.18	0.11835	0.18	-0.75985
0.25	0.01559	0.25	-0.53345
0.32	-0.10369	0.32	-0.51059
0.39	-0.18236	0.39	-0.50381
0.46	-0.23148	0.46	-0.50440
0.53	-0.24663	0.53	-0.49030
0.60	-0.24637	0.60	-0.48456
0.67	-0.22915	0.67	-0.45186
0.74	-0.20885	0.74	-0.42244
0.81	-0.19685	0.81	-0.40266
0.88	-0.20288	0.88	-0.35585
0.95	-0.24383	0.95	-0.30515

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
22	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.7797	7.25	0.00	28.74 600.3	100.92 2107.7	67.54 1410.5	12.29 3.75	319.24 114.96

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.30935	0.05	0.37909
0.06	-1.31087	0.10	0.16412
0.11	-0.57710	0.20	-0.02897
0.17	-0.66303	0.35	-0.21880
0.23	-0.54108	0.50	-0.38564
0.29	-0.56614	0.65	-0.16862
0.35	-0.56356	0.80	0.16602
0.41	-0.44628	0.95	0.20500
0.47	-0.60997		
0.53	-0.61073		
0.57	-0.60893		
0.65	-0.61859		
0.71	-0.60559		
0.77	-0.59615		
0.83	-0.54866		
0.89	-0.48371		
0.95	-0.51343		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.60792	0.02	-0.80266
0.06	0.37980	0.06	-0.84105
0.11	0.25496	0.11	-0.73981
0.18	0.09551	0.18	-0.73098
0.25	-0.01248	0.25	-0.60173
0.32	-0.12230	0.32	-0.54703
0.39	-0.19371	0.39	-0.51593
0.46	-0.23019	0.46	-0.47440
0.53	-0.24352	0.53	-0.45868
0.60	-0.23433	0.60	-0.43000
0.67	-0.20858	0.67	-0.40771
0.74	-0.17195	0.74	-0.36450
0.81	-0.14467	0.81	-0.30952
0.88	-0.15073	0.88	-0.27271
0.95	-0.17521	0.95	-0.23046

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
22	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.7792	9.35	0.00	28.72 599.8	100.92 2107.7	67.57 1411.2	12.30 3.75	319.06 114.63

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.42847	0.05	0.46651
0.06	-1.20731	0.10	0.26920
0.11	-0.55291	0.20	0.05651
0.17	-0.51565	0.35	-0.15674
0.23	-0.52362	0.50	-0.35319
0.29	-0.52944	0.65	-0.19997
0.35	-0.53566	0.80	0.15075
0.41	-0.45129	0.95	0.17271
0.47	-0.55314		
0.53	-0.56452		
0.57	-0.56860		
0.65	-0.59961		
0.71	-0.62038		
0.77	-0.62841		
0.83	-0.61146		
0.89	-0.58943		
0.95	-0.55144		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.60502	0.02	-0.92760
0.06	0.37755	0.06	-1.23212
0.11	0.24641	0.11	-1.03761
0.18	0.09871	0.18	-0.86849
0.25	-0.00848	0.25	-0.76102
0.32	-0.11212	0.32	-0.61541
0.39	-0.16351	0.39	-0.48237
0.46	-0.18908	0.46	-0.37153
0.53	-0.18369	0.53	-0.27663
0.60	-0.18376	0.60	-0.32620
0.67	-0.14294	0.67	-0.30732
0.74	-0.10631	0.74	-0.16045
0.81	-0.06622	0.81	-0.00175
0.88	0.00901	0.88	0.05253
0.95	-0.01407	0.95	-0.07076

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
22	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.7808	11.38	0.09	28.79 601.3	100.92 2107.7	67.47 1409.1	12.29 3.75	319.43 115.30

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.56287	0.05	0.53283
0.06	-1.52259	0.10	0.32463
0.11	-1.43745	0.20	0.11352
0.17	-1.29006	0.35	-0.11438
0.23	-1.15347	0.50	-0.32770
0.29	-1.04503	0.65	-0.22224
0.35	-1.02979	0.80	0.13361
0.41	-0.53172	0.95	0.15456
0.47	-0.68737		
0.53	-0.62558		
0.57	-0.54259		
0.65	-0.59234		
0.71	-0.58704		
0.77	-0.58812		
0.83	-0.59558		
0.89	-0.59029		
0.95	-0.57656		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.59071	0.02	-1.14751
0.06	0.35496	0.06	-1.08043
0.11	0.23067	0.11	-0.90480
0.18	0.08167	0.18	-0.67828
0.25	-0.01445	0.25	-0.50815
0.32	-0.11809	0.32	-0.43101
0.39	-0.17609	0.39	-0.35138
0.46	-0.19519	0.46	-0.27100
0.53	-0.19134	0.53	-0.20525
0.60	-0.14568	0.60	-0.12432
0.67	-0.10343	0.67	-0.07547
0.74	-0.05203	0.74	-0.01865
0.81	-0.00661	0.81	0.02257
0.88	0.03817	0.88	0.06453
0.95	0.08391	0.95	0.10771

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
22	3	-10.0

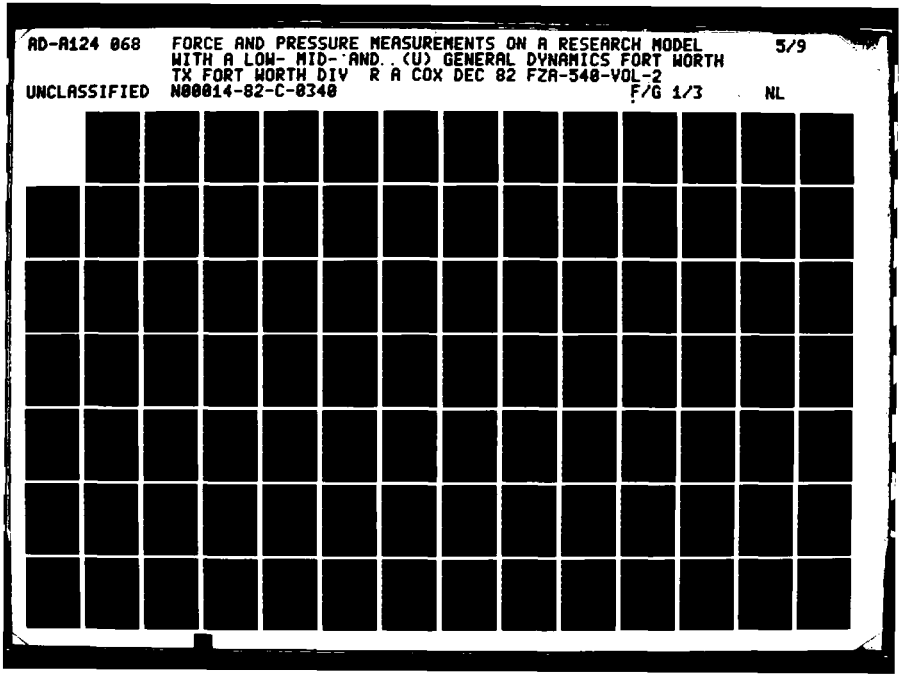
SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.7802	13.38	0.11	28.77 600.8	100.92 2107.7	67.50 1409.8	12.28 3.74	319.56 115.53

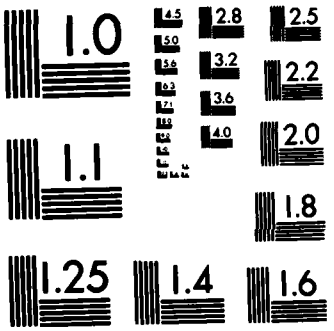
WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.56694	0.05	0.61630
0.06	-1.41001	0.10	0.41469
0.11	-1.42138	0.20	0.19509
0.17	-1.41953	0.35	-0.04374
0.23	-1.39035	0.50	-0.25423
0.29	-1.33666	0.65	-0.19072
0.35	-0.93523	0.80	0.15179
0.41	-0.62745	0.95	0.15993
0.47	-0.49475		
0.53	-0.51347		
0.57	-0.52104		
0.65	-0.56717		
0.71	-0.57857		
0.77	-0.59368		
0.83	-0.62521		
0.89	-0.62856		
0.95	-0.65243		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.64115	0.02	-0.87501
0.06	0.42810	0.06	-0.82130
0.11	0.28474	0.11	-0.68300
0.18	0.13349	0.18	-0.56415
0.25	0.02115	0.25	-0.43569
0.32	-0.09063	0.32	-0.36778
0.39	-0.15262	0.39	-0.26492
0.46	-0.17915	0.46	-0.21107
0.53	-0.17187	0.53	-0.15423
0.60	-0.13681	0.60	-0.08775
0.67	-0.09726	0.67	-0.05886
0.74	-0.04954	0.74	-0.00591
0.81	-0.00661	0.81	0.02564
0.88	0.02699	0.88	0.05547
0.95	0.07024	0.95	0.08823


AD-A124 068
FORCE AND PRESSURE MEASUREMENTS ON A RESEARCH MODEL WITH A LOW- MID-·AND. .(U) GENERAL DYNAMICS FORT WORTH TX FORT WORTH DIV R A COX DEC 82 FZA-548-VOL-2
5/9
UNCLASSIFIED
N00014-82-C-0340
F/G 1/3
NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
22	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.7782	15.50	0.09	28.67 598.8	100.92 2107.7	67.64 1412.6	12.25 3.73	319.88 116.11

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.48563	0.05	0.69308
0.06	-0.48469	0.10	0.50644
0.11	-0.48637	0.20	0.27740
0.17	-0.48191	0.35	0.03968
0.23	-0.48028	0.50	-0.17587
0.29	-0.50637	0.65	-0.13924
0.35	-0.50801	0.80	0.17270
0.41	-0.59853	0.95	0.17248
0.47	-0.53825		
0.53	-0.62548		
0.57	-0.65000		
0.65	-0.56081		
0.71	-0.57887		
0.77	-0.62519		
0.83	-0.60595		
0.89	-0.62175		
0.95	-0.59899		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.57211	0.02	-0.77209
0.06	0.40774	0.06	-0.64953
0.11	0.28348	0.11	-0.57291
0.18	0.12769	0.18	-0.47631
0.25	0.03076	0.25	-0.40053
0.32	-0.06434	0.32	-0.30071
0.39	-0.12250	0.39	-0.20268
0.46	-0.14689	0.46	-0.14921
0.53	-0.15345	0.53	-0.13390
0.60	-0.13089	0.60	-0.09173
0.67	-0.10493	0.67	-0.06157
0.74	-0.06620	0.74	-0.02246
0.81	-0.02670	0.81	0.00128
0.88	-0.00291	0.88	0.02655
0.95	0.00760	0.95	0.04320

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
22	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.7795	17.65	0.15	28.74 600.3	100.95 2108.4	67.57 1411.2	12.26 3.74	320.06 116.44

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.47834	0.05	0.75544
0.06	-0.46548	0.10	0.57267
0.11	-0.47273	0.20	0.36130
0.17	-0.47508	0.35	0.12101
0.23	-0.47934	0.50	-0.09658
0.29	-0.47505	0.65	-0.08011
0.35	-0.48159	0.80	0.20247
0.41	-0.57268	0.95	0.19322
0.47	-0.50519		
0.53	-0.55432		
0.57	-0.55119		
0.65	-0.53812		
0.71	-0.55014		
0.77	-0.57175		
0.83	-0.56989		
0.89	-0.58174		
0.95	-0.57730		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.14623	0.02	-0.47810
0.06	0.15516	0.06	-0.44977
0.11	0.12521	0.11	-0.38322
0.18	0.07749	0.18	-0.33033
0.25	0.01222	0.25	-0.27996
0.32	-0.03448	0.32	-0.20421
0.39	-0.08124	0.39	-0.19045
0.46	-0.09328	0.46	-0.15242
0.53	-0.11749	0.53	-0.14763
0.60	-0.10401	0.60	-0.11005
0.67	-0.09721	0.67	-0.10760
0.74	-0.07413	0.74	-0.09917
0.81	-0.07148	0.81	-0.08728
0.88	-0.05793	0.88	-0.06348
0.95	-0.06207	0.95	-0.04561

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
22	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.7797	19.68	0.19	28.74 600.3	100.92 2107.7	67.54 1410.5	12.24 3.73	320.31 116.88

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.47137	0.05	0.80901
0.06	-0.48375	0.10	0.63896
0.11	-0.48388	0.20	0.43130
0.17	-0.49143	0.35	0.19531
0.23	-0.50277	0.50	-0.02906
0.29	-0.50669	0.65	-0.01571
0.35	-0.50821	0.80	0.22296
0.41	-0.56307	0.95	0.20892
0.47	-0.50064		
0.53	-0.52500		
0.57	-0.52782		
0.65	-0.53835		
0.71	-0.56651		
0.77	-0.56818		
0.83	-0.56163		
0.89	-0.56954		
0.95	-0.54962		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.11906	0.02	-0.31492
0.06	-0.04169	0.06	-0.28870
0.11	-0.01831	0.11	-0.26622
0.18	-0.05634	0.18	-0.24287
0.25	-0.05004	0.25	-0.22260
0.32	-0.08535	0.32	-0.20640
0.39	-0.09178	0.39	-0.20230
0.46	-0.11104	0.46	-0.17714
0.53	-0.12749	0.53	-0.17521
0.60	-0.11090	0.60	-0.17828
0.67	-0.10756	0.67	-0.17180
0.74	-0.09396	0.74	-0.15472
0.81	-0.08572	0.81	-0.14727
0.88	-0.09387	0.88	-0.13910
0.95	-0.10328	0.95	-0.11608

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
22	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.7797	-1.90	0.00	28.74 600.3	100.92 2107.7	67.54 1410.5	12.25 3.73	320.14 116.58

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.12154	0.05	-0.55275
0.06	-0.39923	0.10	-0.58830
0.11	-0.42251	0.20	-0.70821
0.17	-0.43186	0.35	-0.73966
0.23	-0.43474	0.50	-0.52549
0.29	-0.44286	0.65	-0.08657
0.35	-0.45643	0.80	0.10725
0.41	-0.52605	0.95	0.24219
0.47	-0.44703		
0.53	-0.46106		
0.57	-0.40938		
0.65	-0.38457		
0.71	-0.30579		
0.77	-0.22676		
0.83	-0.14607		
0.89	-0.06012		
0.95	0.04854		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.68712	0.02	-0.53337
0.06	0.50003	0.06	-0.58969
0.11	0.37994	0.11	-0.60156
0.18	0.22867	0.18	-0.55979
0.25	0.11836	0.25	-0.48501
0.32	0.00410	0.32	-0.45281
0.39	-0.08840	0.39	-0.43093
0.46	-0.14606	0.46	-0.43543
0.53	-0.19442	0.53	-0.43523
0.60	-0.18411	0.60	-0.44693
0.67	-0.19771	0.67	-0.42713
0.74	-0.20436	0.74	-0.43060
0.81	-0.20659	0.81	-0.44322
0.88	-0.23829	0.88	-0.41168
0.95	-0.31054	0.95	-0.38226

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
23	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8492	-6.32	-0.01	31.79 663.9	100.92 2107.7	62.98 1315.3	12.65 3.86	322.25 120.38

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.40559	0.05	-1.02622
0.06	0.08201	0.10	-1.03798
0.11	-0.02315	0.20	-1.04165
0.17	-0.10799	0.35	-0.50358
0.23	-0.15699	0.50	-0.43559
0.29	-0.21969	0.65	-0.39544
0.35	-0.26327	0.80	-0.35827
0.41	-0.31959	0.95	-0.29904
0.47	-0.35155		
0.53	-0.45074		
0.57	-0.42331		
0.65	-0.53424		
0.71	-0.58456		
0.77	-0.60959		
0.83	-0.61781		
0.89	-0.45179		
0.95	-0.37575		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.71850	0.02	-0.47641
0.06	0.57223	0.06	-0.49854
0.11	0.46814	0.11	-0.47754
0.18	0.33594	0.18	-0.48020
0.25	0.22328	0.25	-0.48198
0.32	0.11198	0.32	-0.44059
0.39	0.02155	0.39	-0.43875
0.46	-0.04720	0.46	-0.43777
0.53	-0.10672	0.53	-0.44227
0.60	-0.12840	0.60	-0.43812
0.67	-0.15280	0.67	-0.44615
0.74	-0.16635	0.74	-0.44437
0.81	-0.18373	0.81	-0.45474
0.88	-0.22551	0.88	-0.43903
0.95	-0.30347	0.95	-0.41371

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
23	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.8493	-4.11	-0.01	31.78 663.8	100.88 2107.0	62.94 1314.6	12.65 3.86	322.25 120.38

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.16789	0.05	-0.80253
0.06	-0.13965	0.10	-0.77169
0.11	-0.21938	0.20	-0.81895
0.17	-0.28715	0.35	-0.90081
0.23	-0.32747	0.50	-0.33288
0.29	-0.36227	0.65	-0.29410
0.35	-0.40475	0.80	-0.25663
0.41	-0.31866	0.95	-0.15436
0.47	-0.45192		
0.53	-0.52046		
0.57	-0.49976		
0.65	-0.61818		
0.71	-0.67917		
0.77	-0.70773		
0.83	-0.44982		
0.89	-0.22202		
0.95	-0.16714		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.71758	0.02	-0.48527
0.06	0.54914	0.06	-0.47940
0.11	0.43390	0.11	-0.46455
0.18	0.29174	0.18	-0.50170
0.25	0.17827	0.25	-0.45632
0.32	0.06052	0.32	-0.43656
0.39	-0.02559	0.39	-0.42667
0.46	-0.09915	0.46	-0.42778
0.53	-0.15498	0.53	-0.42898
0.60	-0.17797	0.60	-0.42604
0.67	-0.19694	0.67	-0.42778
0.74	-0.20001	0.74	-0.42709
0.81	-0.20874	0.81	-0.44332
0.88	-0.24374	0.88	-0.43051
0.95	-0.31745	0.95	-0.41152

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
23	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.8493	-1.77	-0.01	31.78 663.8	100.88 2107.0	62.94 1314.6	12.60 3.84	323.32 122.30

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.12224	0.05	-0.41035
0.06	-0.44385	0.10	-0.45970
0.11	-0.47029	0.20	-0.64740
0.17	-0.52205	0.35	-0.70645
0.23	-0.55411	0.50	-0.58757
0.29	-0.60803	0.65	-0.20508
0.35	-0.55365	0.80	-0.15884
0.41	-0.34637	0.95	-0.01375
0.47	-0.58111		
0.53	-0.65392		
0.57	-0.63650		
0.65	-0.70014		
0.71	-0.55155		
0.77	-0.24240		
0.83	-0.15989		
0.89	-0.09296		
0.95	-0.02417		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.69749	0.02	-0.43548
0.06	0.51683	0.06	-0.59835
0.11	0.40237	0.11	-0.65745
0.18	0.24708	0.18	-0.47255
0.25	0.13366	0.25	-0.48766
0.32	0.01518	0.32	-0.43979
0.39	-0.07274	0.39	-0.42242
0.46	-0.13989	0.46	-0.41220
0.53	-0.19774	0.53	-0.43159
0.60	-0.21661	0.60	-0.44453
0.67	-0.22479	0.67	-0.44175
0.74	-0.21877	0.74	-0.44190
0.81	-0.22862	0.81	-0.45085
0.88	-0.25330	0.88	-0.43442
0.95	-0.32161	0.95	-0.37818

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
23	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.8488	0.40	-0.01	31.76 663.4	100.88 2107.0	62.98 1315.3	12.60 3.84	323.15 122.00

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.40431	0.05	-0.17109
0.06	-0.69304	0.10	-0.30908
0.11	-0.76756	0.20	-0.44350
0.17	-0.77095	0.35	-0.57259
0.23	-0.78864	0.50	-0.76696
0.29	-0.74763	0.65	-0.22115
0.35	-0.78146	0.80	-0.13814
0.41	-0.40125	0.95	0.07358
0.47	-0.81017		
0.53	-0.85021		
0.57	-0.81541		
0.65	-0.47730		
0.71	-0.27649		
0.77	-0.18789		
0.83	-0.10498		
0.89	-0.02001		
0.95	0.06098		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.67602	0.02	-0.86387
0.06	0.47351	0.06	-0.87084
0.11	0.35532	0.11	-0.67711
0.18	0.20388	0.18	-0.83612
0.25	0.09856	0.25	-0.46714
0.32	-0.02082	0.32	-0.42127
0.39	-0.11420	0.39	-0.42954
0.46	-0.18203	0.46	-0.42865
0.53	-0.24014	0.53	-0.44372
0.60	-0.24958	0.60	-0.46444
0.67	-0.25169	0.67	-0.47195
0.74	-0.24644	0.74	-0.47374
0.81	-0.23529	0.81	-0.46780
0.88	-0.25482	0.88	-0.44078
0.95	-0.31570	0.95	-0.42609

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
23	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.8493	2.79	0.00	31.78 663.8	100.88 2107.0	62.94 1314.6	12.61 3.84	323.03 121.79

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.60752	0.05	0.03177
0.06	-0.91336	0.10	-0.12764
0.11	-0.96982	0.20	-0.27702
0.17	-0.98963	0.35	-0.46788
0.23	-0.98933	0.50	-0.67005
0.29	-0.98176	0.65	-0.26700
0.35	-0.92605	0.80	-0.15314
0.41	-0.46882	0.95	0.09748
0.47	-0.45824		
0.53	-0.41826		
0.57	-0.41142		
0.65	-0.38893		
0.71	-0.35783		
0.77	-0.32252		
0.83	-0.29051		
0.89	-0.26382		
0.95	-0.21482		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.65233	0.02	-0.75210
0.06	0.45198	0.06	-0.68817
0.11	0.32815	0.11	-0.74890
0.18	0.17370	0.18	-0.75818
0.25	0.06187	0.25	-0.46840
0.32	-0.06603	0.32	-0.40443
0.39	-0.16478	0.39	-0.40986
0.46	-0.23361	0.46	-0.42290
0.53	-0.29868	0.53	-0.43584
0.60	-0.30327	0.60	-0.45477
0.67	-0.30311	0.67	-0.44857
0.74	-0.26413	0.74	-0.44086
0.81	-0.22752	0.81	-0.41154
0.88	-0.24279	0.88	-0.39911
0.95	-0.29679	0.95	-0.37867

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
23	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.8508	4.84	0.01	31.85 665.1	100.88 2107.0	62.84 1312.5	12.57 3.83	324.08 123.68

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.78560	0.05	0.19550
0.06	-1.07151	0.10	-0.00161
0.11	-1.08179	0.20	-0.16629
0.17	-1.10893	0.35	-0.37715
0.23	-1.10111	0.50	-0.61178
0.29	-0.90730	0.65	-0.29013
0.35	-0.60926	0.80	-0.09763
0.41	-0.53697	0.95	0.14352
0.47	-0.53699		
0.53	-0.52455		
0.57	-0.50361		
0.65	-0.48678		
0.71	-0.46668		
0.77	-0.44691		
0.83	-0.41627		
0.89	-0.38050		
0.95	-0.34892		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.61928	0.02	-0.82879
0.06	0.40554	0.06	-0.86595
0.11	0.28733	0.11	-0.66587
0.18	0.13762	0.18	-0.80154
0.25	0.02321	0.25	-0.49840
0.32	-0.09931	0.32	-0.44703
0.39	-0.19934	0.39	-0.43837
0.46	-0.26532	0.46	-0.47317
0.53	-0.32464	0.53	-0.48364
0.60	-0.35136	0.60	-0.48010
0.67	-0.32328	0.67	-0.47401
0.74	-0.27735	0.74	-0.45686
0.81	-0.23121	0.81	-0.40294
0.88	-0.23050	0.88	-0.36039
0.95	-0.26794	0.95	-0.31815

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
23	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.8498	7.37	0.03	31.81 664.3	100.88 2107.0	62.91 1313.9	12.58 3.83	323.77 123.11

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.99367	0.05	0.36522
0.06	-1.20155	0.10	0.17643
0.11	-1.20432	0.20	-0.03799
0.17	-1.04079	0.35	-0.26375
0.23	-0.86343	0.50	-0.52434
0.29	-0.74254	0.65	-0.21584
0.35	-0.66886	0.80	0.13259
0.41	-0.58305	0.95	0.20373
0.47	-0.59561		
0.53	-0.57041		
0.57	-0.56003		
0.65	-0.57063		
0.71	-0.56347		
0.77	-0.55459		
0.83	-0.56622		
0.89	-0.53339		
0.95	-0.49182		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.60484	0.02	-0.85735
0.06	0.38277	0.06	-0.76906
0.11	0.25746	0.11	-0.59309
0.18	0.10700	0.18	-0.60659
0.25	-0.00912	0.25	-0.49956
0.32	-0.13970	0.32	-0.44637
0.39	-0.22583	0.39	-0.43999
0.46	-0.29514	0.46	-0.39871
0.53	-0.34666	0.53	-0.38465
0.60	-0.34637	0.60	-0.35332
0.67	-0.29849	0.67	-0.34117
0.74	-0.23458	0.74	-0.33218
0.81	-0.20900	0.81	-0.33754
0.88	-0.20308	0.88	-0.27882
0.95	-0.20141	0.95	-0.24171

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
23	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.8498	9.41	0.01	31.81 664.3	100.88 2107.0	62.91 1313.9	12.59 3.84	323.51 122.64

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.14561	0.05	0.48818
0.06	-1.07803	0.10	0.27270
0.11	-0.68444	0.20	0.06001
0.17	-0.55732	0.35	-0.17651
0.23	-0.54421	0.50	-0.44003
0.29	-0.54687	0.65	-0.18742
0.35	-0.53945	0.80	0.15674
0.41	-0.57263	0.95	0.20968
0.47	-0.58189		
0.53	-0.57119		
0.57	-0.57117		
0.65	-0.60097		
0.71	-0.61638		
0.77	-0.60921		
0.83	-0.61964		
0.89	-0.59515		
0.95	-0.56448		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.60134	0.02	-1.29190
0.06	0.37560	0.06	-1.22664
0.11	0.24308	0.11	-1.13198
0.18	0.09083	0.18	-0.97515
0.25	-0.01958	0.25	-0.75887
0.32	-0.14358	0.32	-0.60454
0.39	-0.22187	0.39	-0.49426
0.46	-0.27646	0.46	-0.43092
0.53	-0.30422	0.53	-0.34050
0.60	-0.23070	0.60	-0.26096
0.67	-0.20581	0.67	-0.17153
0.74	-0.15323	0.74	-0.11128
0.81	-0.11047	0.81	-0.04952
0.88	-0.09713	0.88	0.01760
0.95	-0.04585	0.95	0.08644

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
23	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.8517	11.45	0.10	31.89 666.1	100.92 2107.7	62.81 1311.9	12.60 3.84	323.80 123.17

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.26957	0.05	0.55953
0.06	-1.40671	0.10	0.35910
0.11	-1.37657	0.20	0.13766
0.17	-1.28405	0.35	-0.10625
0.23	-1.15583	0.50	-0.37435
0.29	-0.96382	0.65	-0.19053
0.35	-0.94583	0.80	0.17715
0.41	-0.63819	0.95	0.22031
0.47	-0.76058		
0.53	-0.62503		
0.57	-0.58785		
0.65	-0.61476		
0.71	-0.60110		
0.77	-0.59056		
0.83	-0.61622		
0.89	-0.63763		
0.95	-0.64007		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.63034	0.02	-1.04135
0.06	0.41364	0.06	-0.91456
0.11	0.27522	0.11	-0.79767
0.18	0.11955	0.18	-0.69515
0.25	0.00821	0.25	-0.56780
0.32	-0.11316	0.32	-0.45552
0.39	-0.18876	0.39	-0.39073
0.46	-0.21894	0.46	-0.31378
0.53	-0.22756	0.53	-0.23930
0.60	-0.17302	0.60	-0.17680
0.67	-0.12056	0.67	-0.12954
0.74	-0.06036	0.74	-0.08383
0.81	-0.00989	0.81	-0.02794
0.88	0.03182	0.88	0.01833
0.95	0.07612	0.95	0.06832

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
23	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.8478	13.52	0.12	31.72 662.5	100.88 2107.0	63.04 1316.6	12.57 3.83	323.80 123.17

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.37370	0.05	0.65136
0.06	-1.38280	0.10	0.44147
0.11	-1.35871	0.20	0.22450
0.17	-1.25352	0.35	-0.01787
0.23	-1.20750	0.50	-0.26439
0.29	-1.23770	0.65	-0.15865
0.35	-1.26218	0.80	0.20039
0.41	-0.71271	0.95	0.23298
0.47	-0.51858		
0.53	-0.51109		
0.57	-0.51072		
0.65	-0.55041		
0.71	-0.56094		
0.77	-0.57567		
0.83	-0.58941		
0.89	-0.61206		
0.95	-0.63368		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.65505	0.02	-0.75970
0.06	0.43983	0.06	-0.68497
0.11	0.30523	0.11	-0.62673
0.18	0.14754	0.18	-0.53053
0.25	0.03781	0.25	-0.45439
0.32	-0.07269	0.32	-0.39187
0.39	-0.16026	0.39	-0.30664
0.46	-0.19858	0.46	-0.22633
0.53	-0.20129	0.53	-0.19243
0.60	-0.16090	0.60	-0.13133
0.67	-0.12586	0.67	-0.09454
0.74	-0.07479	0.74	-0.05245
0.81	-0.02509	0.81	-0.00016
0.88	0.01172	0.88	0.02933
0.95	0.04674	0.95	0.05226

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
23	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.8493	15.68	0.06	31.78 663.8	100.88 2107.0	62.94 1314.6	12.53 3.82	324.76 124.89

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.48071	0.05	0.72112
0.06	-0.46006	0.10	0.53710
0.11	-0.46275	0.20	0.31844
0.17	-0.87337	0.35	0.07805
0.23	-0.52635	0.50	-0.15445
0.29	-0.49756	0.65	-0.09120
0.35	-1.17905	0.80	0.23718
0.41	-0.67983	0.95	0.25257
0.47	-0.70806		
0.53	-0.52462		
0.57	-0.53597		
0.65	-0.57345		
0.71	-0.55887		
0.77	-0.56378		
0.83	-0.56926		
0.89	-0.57504		
0.95	-0.59431		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.50602	0.02	-0.60236
0.06	0.38006	0.06	-0.52760
0.11	0.28931	0.11	-0.45709
0.18	0.13503	0.18	-0.40340
0.25	0.03035	0.25	-0.37705
0.32	-0.08662	0.32	-0.28286
0.39	-0.16348	0.39	-0.27903
0.46	-0.18718	0.46	-0.21812
0.53	-0.19334	0.53	-0.16881
0.60	-0.14457	0.60	-0.14436
0.67	-0.13490	0.67	-0.09057
0.74	-0.10905	0.74	-0.06083
0.81	-0.06117	0.81	-0.04184
0.88	-0.04478	0.88	-0.01822
0.95	-0.03525	0.95	0.01621

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
23	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.8473	17.76	0.00	31.70 662.1	100.88 2107.0	63.07 1317.3	12.54 3.82	324.18 123.85

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.48849	0.05	0.78619
0.06	-0.50243	0.10	0.60689
0.11	-0.50286	0.20	0.39868
0.17	-0.49861	0.35	0.16341
0.23	-0.52948	0.50	-0.06085
0.29	-0.50875	0.65	-0.02425
0.35	-0.50493	0.80	0.25555
0.41	-0.65805	0.95	0.26530
0.47	-0.52327		
0.53	-0.54289		
0.57	-0.53578		
0.65	-0.52895		
0.71	-0.56313		
0.77	-0.55486		
0.83	-0.55462		
0.89	-0.54732		
0.95	-0.56325		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.14309	0.02	-0.36745
0.06	0.16583	0.06	-0.32668
0.11	0.11511	0.11	-0.31473
0.18	0.03022	0.18	-0.27151
0.25	-0.00999	0.25	-0.25201
0.32	-0.07736	0.32	-0.23497
0.39	-0.13656	0.39	-0.22765
0.46	-0.17190	0.46	-0.20357
0.53	-0.17584	0.53	-0.18952
0.60	-0.16882	0.60	-0.18484
0.67	-0.16225	0.67	-0.15428
0.74	-0.14196	0.74	-0.15038
0.81	-0.12074	0.81	-0.13634
0.88	-0.11401	0.88	-0.12848
0.95	-0.12029	0.95	-0.12828

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
23	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.8503	20.02	0.05	31.83 664.7	100.88 2107.0	62.88 1313.2	12.54 3.82	324.74 124.86

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.64456	0.05	0.84712
0.06	-0.72422	0.10	0.67511
0.11	-0.61258	0.20	0.47194
0.17	-0.59338	0.35	0.24408
0.23	-0.56588	0.50	0.03154
0.29	-0.58537	0.65	0.05273
0.35	-0.59505	0.80	0.29128
0.41	-0.57014	0.95	0.28462
0.47	-0.56904		
0.53	-0.57848		
0.57	-0.57694		
0.65	-0.58370		
0.71	-0.58855		
0.77	-0.58633		
0.83	-0.55774		
0.89	-0.56317		
0.95	-0.55212		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.16123	0.02	-0.32024
0.06	-0.11715	0.06	-0.27174
0.11	-0.13869	0.11	-0.26532
0.18	-0.12599	0.18	-0.26318
0.25	-0.14448	0.25	-0.24900
0.32	-0.17637	0.32	-0.24000
0.39	-0.17927	0.39	-0.23130
0.46	-0.19288	0.46	-0.23273
0.53	-0.20127	0.53	-0.22221
0.60	-0.19186	0.60	-0.21410
0.67	-0.18391	0.67	-0.20289
0.74	-0.16841	0.74	-0.20190
0.81	-0.14990	0.81	-0.19564
0.88	-0.15074	0.88	-0.19142
0.95	-0.15669	0.95	-0.18495

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
23	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.8512	-1.79	0.00	31.87 665.6	100.92 2107.7	62.84 1312.5	12.58 3.84	323.95 123.44

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.12953	0.05	-0.42407
0.06	-0.42872	0.10	-0.46873
0.11	-0.47119	0.20	-0.64806
0.17	-0.53254	0.35	-0.70048
0.23	-0.54810	0.50	-0.55206
0.29	-0.58489	0.65	-0.22273
0.35	-0.55710	0.80	-0.18117
0.41	-0.60653	0.95	-0.06006
0.47	-0.58950		
0.53	-0.65156		
0.57	-0.62636		
0.65	-0.69630		
0.71	-0.74034		
0.77	-0.30538		
0.83	-0.17593		
0.89	-0.10350		
0.95	-0.02697		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.69337	0.02	-0.72943
0.06	0.51585	0.06	-0.76556
0.11	0.39881	0.11	-0.52165
0.18	0.25640	0.18	-0.61146
0.25	0.14281	0.25	-0.46962
0.32	0.02318	0.32	-0.44962
0.39	-0.07286	0.39	-0.42801
0.46	-0.14342	0.46	-0.42058
0.53	-0.19729	0.53	-0.42512
0.60	-0.23574	0.60	-0.45194
0.67	-0.24277	0.67	-0.44604
0.74	-0.23812	0.74	-0.46533
0.81	-0.22399	0.81	-0.42822
0.88	-0.24715	0.88	-0.41161
0.95	-0.31267	0.95	-0.38177

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
24	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.5998	-6.21	-0.01	19.93 416.3	100.95 2108.4	79.16 1653.2	11.04 3.37	306.04 91.20

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.50974	0.05	-1.85632
0.06	0.15694	0.10	-1.07753
0.11	0.03795	0.20	-0.88688
0.17	-0.06601	0.35	-0.70105
0.23	-0.10083	0.50	-0.55130
0.29	-0.13699	0.65	-0.17666
0.35	-0.17743	0.80	0.07169
0.41	0.71226	0.95	0.17915
0.47	-0.21675		
0.53	-0.25563		
0.57	-0.22744		
0.65	-0.24390		
0.71	-0.21569		
0.77	-0.18268		
0.83	-0.14134		
0.89	-0.09521		
0.95	-0.01765		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.52190	0.02	-1.74841
0.06	0.29282	0.06	-1.01115
0.11	0.18133	0.11	-0.74763
0.18	0.06366	0.18	-0.65567
0.25	-0.00625	0.25	-0.56685
0.32	-0.06962	0.32	-0.51336
0.39	-0.11031	0.39	-0.44558
0.46	-0.11687	0.46	-0.36741
0.53	-0.10816	0.53	-0.38735
0.60	-0.08413	0.60	-0.21166
0.67	-0.04972	0.67	-0.12923
0.74	-0.01231	0.74	-0.05689
0.81	0.02820	0.81	0.00963
0.88	0.06186	0.88	0.02207
0.95	0.10576	0.95	0.12668

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
24	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.6014	-3.96	-0.01	20.02 418.1	100.95 2108.4	79.06 1651.1	11.03 3.36	306.64 92.28

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.19108	0.05	-0.97465
0.06	-0.07614	0.10	-0.81137
0.11	-0.15085	0.20	-0.68482
0.17	-0.21660	0.35	-0.60317
0.23	-0.23297	0.50	-0.51934
0.29	-0.27111	0.65	-0.17936
0.35	-0.28049	0.80	0.12700
0.41	0.56885	0.95	0.23214
0.47	-0.29583		
0.53	-0.30960		
0.57	-0.27992		
0.65	-0.28514		
0.71	-0.26243		
0.77	-0.21732		
0.83	-0.17089		
0.89	-0.11090		
0.95	-0.02286		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.42904	0.02	-1.41919
0.06	0.21934	0.06	-0.68116
0.11	0.10817	0.11	-0.65127
0.18	-0.00616	0.18	-0.59360
0.25	-0.06915	0.25	-0.52832
0.32	-0.13414	0.32	-0.48458
0.39	-0.15338	0.39	-0.42601
0.46	-0.15472	0.46	-0.35617
0.53	-0.14751	0.53	-0.37601
0.60	-0.09618	0.60	-0.20790
0.67	-0.06016	0.67	-0.11876
0.74	-0.01555	0.74	-0.04161
0.81	0.02548	0.81	0.01134
0.88	0.06609	0.88	0.02643
0.95	0.11792	0.95	0.13440

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
24	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.6009	-1.78	-0.01	19.99 417.5	100.95 2108.4	79.09 1651.8	11.02 3.36	306.79 92.55

WING

UPPER SURFACE

X/C	CP
0.02	-0.17359
0.06	-0.39643
0.11	-0.38443
0.17	-0.35838
0.23	-0.36910
0.29	-0.37306
0.35	-0.37479
0.41	0.42667
0.47	-0.36738
0.53	-0.37679
0.57	-0.33845
0.65	-0.33360
0.71	-0.29946
0.77	-0.24547
0.83	-0.18512
0.89	-0.12237
0.95	-0.02854

LOWER SURFACE

X/C	CP
0.05	-0.52657
0.10	-0.53414
0.20	-0.50840
0.35	-0.48811
0.50	-0.44609
0.65	-0.14617
0.80	0.15709
0.95	0.25959

HORIZ. TAIL

UPPER SURFACE

X/C	CP
0.02	0.29766
0.06	0.10850
0.11	0.01334
0.18	-0.07215
0.25	-0.13251
0.32	-0.19114
0.39	-0.20405
0.46	-0.19449
0.53	-0.17274
0.60	-0.11734
0.67	-0.07353
0.74	-0.02627
0.81	0.02279
0.88	0.06781
0.95	0.12713

LOWER SURFACE

X/C	CP
0.02	-0.99512
0.06	-0.53905
0.11	-0.50683
0.18	-0.50903
0.25	-0.45474
0.32	-0.41520
0.39	-0.38751
0.46	-0.32945
0.53	-0.34832
0.60	-0.19769
0.67	-0.11651
0.74	-0.04232
0.81	0.01673
0.88	0.02779
0.95	0.13218

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
24	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.6009	0.40	-0.01	19.99 417.5	100.95 2108.4	79.09 1651.8	10.97 3.35	307.80 94.37

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.73018	0.05	-0.21273
0.06	-0.78413	0.10	-0.28755
0.11	-0.67127	0.20	-0.33855
0.17	-0.59569	0.35	-0.37582
0.23	-0.55568	0.50	-0.38457
0.29	-0.52722	0.65	-0.12274
0.35	-0.50301	0.80	0.17987
0.41	0.26340	0.95	0.27391
0.47	-0.45871		
0.53	-0.44915		
0.57	-0.40582		
0.65	-0.38318		
0.71	-0.33272		
0.77	-0.26894		
0.83	-0.20303		
0.89	-0.12830		
0.95	-0.03083		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.12040	0.02	-0.58431
0.06	-0.01085	0.06	-0.46410
0.11	-0.07403	0.11	-0.39454
0.18	-0.15740	0.18	-0.40632
0.25	-0.18868	0.25	-0.38517
0.32	-0.23011	0.32	-0.37081
0.39	-0.24740	0.39	-0.34543
0.46	-0.22398	0.46	-0.29825
0.53	-0.19334	0.53	-0.31600
0.60	-0.14335	0.60	-0.17514
0.67	-0.09277	0.67	-0.10043
0.74	-0.03593	0.74	-0.02924
0.81	0.01706	0.81	0.01706
0.88	0.06542	0.88	0.02509
0.95	0.13076	0.95	0.12941

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
24	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.6007	0.40	-0.01	19.99 417.5	101.02 2109.8	79.16 1653.2	10.97 3.34	307.98 94.70

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.77676	0.05	-0.20034
0.06	-0.78099	0.10	-0.30897
0.11	-0.66121	0.20	-0.34807
0.17	-0.58497	0.35	-0.38142
0.23	-0.56154	0.50	-0.39050
0.29	-0.53015	0.65	-0.12630
0.35	-0.50010	0.80	0.18345
0.41	0.14513	0.95	0.27452
0.47	-0.45478		
0.53	-0.45065		
0.57	-0.41524		
0.65	-0.39142		
0.71	-0.34305		
0.77	-0.27692		
0.83	-0.20934		
0.89	-0.13154		
0.95	-0.03486		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.13567	0.02	-0.58230
0.06	0.00754	0.06	-0.45115
0.11	-0.06461	0.11	-0.39609
0.18	-0.15259	0.18	-0.40788
0.25	-0.20244	0.25	-0.40127
0.32	-0.24469	0.32	-0.37775
0.39	-0.25384	0.39	-0.35207
0.46	-0.23502	0.46	-0.31017
0.53	-0.20434	0.53	-0.32973
0.60	-0.14123	0.60	-0.17832
0.67	-0.09138	0.67	-0.10502
0.74	-0.03760	0.74	-0.03760
0.81	0.01766	0.81	0.01564
0.88	0.07063	0.88	0.02365
0.95	0.13578	0.95	0.12974

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
24	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.5998	2.69	0.00	19.93 416.3	100.95 2108.4	79.16 1653.2	10.94 3.33	308.30 95.27

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.49998	0.05	0.10344
0.06	-1.18927	0.10	-0.07928
0.11	-0.91337	0.20	-0.17518
0.17	-0.79918	0.35	-0.25627
0.23	-0.69755	0.50	-0.31076
0.29	-0.64699	0.65	-0.09555
0.35	-0.61728	0.80	0.20908
0.41	0.00149	0.95	0.28870
0.47	-0.53769		
0.53	-0.52817		
0.57	-0.47900		
0.65	-0.43675		
0.71	-0.36838		
0.77	-0.29278		
0.83	-0.21950		
0.89	-0.14059		
0.95	-0.03992		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.05751	0.02	-0.26286
0.06	-0.12920	0.06	-0.26479
0.11	-0.15901	0.11	-0.27131
0.18	-0.25013	0.18	-0.31679
0.25	-0.26579	0.25	-0.32243
0.32	-0.29671	0.32	-0.32612
0.39	-0.29770	0.39	-0.30775
0.46	-0.26979	0.46	-0.26679
0.53	-0.22819	0.53	-0.29069
0.60	-0.16638	0.60	-0.16069
0.67	-0.10655	0.67	-0.09022
0.74	-0.04202	0.74	-0.02565
0.81	0.01399	0.81	0.02241
0.88	0.06672	0.88	0.02940
0.95	0.13271	0.95	0.13069

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
24	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.6003	4.84	0.00	19.96 416.9	100.95 2108.4	79.12 1652.5	10.95 3.34	308.23 95.14

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-2.14871	0.05	0.30734
0.06	-2.07829	0.10	0.11048
0.11	-1.06343	0.20	-0.05033
0.17	-0.95649	0.35	-0.16915
0.23	-0.84462	0.50	-0.23722
0.29	-0.76290	0.65	-0.06425
0.35	-0.69618	0.80	0.22568
0.41	-0.10235	0.95	0.29393
0.47	-0.59003		
0.53	-0.55686		
0.57	-0.49801		
0.65	-0.44275		
0.71	-0.37121		
0.77	-0.28991		
0.83	-0.21170		
0.89	-0.13056		
0.95	-0.03807		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.25622	0.02	-0.07590
0.06	-0.26771	0.06	-0.12588
0.11	-0.27786	0.11	-0.17779
0.18	-0.32454	0.18	-0.23789
0.25	-0.33133	0.25	-0.26439
0.32	-0.35798	0.32	-0.27021
0.39	-0.34454	0.39	-0.25322
0.46	-0.30615	0.46	-0.23391
0.53	-0.25758	0.53	-0.26589
0.60	-0.18356	0.60	-0.14090
0.67	-0.11992	0.67	-0.07551
0.74	-0.05179	0.74	-0.01290
0.81	0.00954	0.81	0.02664
0.88	0.06601	0.88	0.03357
0.95	0.13801	0.95	0.12797

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
24	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.6013	7.00	0.00	20.02 418.1	100.98 2109.1	79.09 1651.8	10.94 3.34	308.68 95.95

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-2.54128	0.05	0.45572
0.06	-2.42747	0.10	0.25450
0.11	-1.83926	0.20	0.07479
0.17	-1.36645	0.35	-0.08268
0.23	-1.12464	0.50	-0.18326
0.29	-0.91288	0.65	-0.04250
0.35	-0.75360	0.80	0.23654
0.41	-0.23190	0.95	0.29357
0.47	-0.60665		
0.53	-0.55813		
0.57	-0.50052		
0.65	-0.43266		
0.71	-0.35094		
0.77	-0.28017		
0.83	-0.20858		
0.89	-0.14008		
0.95	-0.07113		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.54775	0.02	0.14370
0.06	-0.43362	0.06	0.00424
0.11	-0.36888	0.11	-0.07767
0.18	-0.39513	0.18	-0.16652
0.25	-0.38702	0.25	-0.20527
0.32	-0.39926	0.32	-0.21893
0.39	-0.38642	0.39	-0.22442
0.46	-0.33243	0.46	-0.20294
0.53	-0.27437	0.53	-0.23095
0.60	-0.19798	0.60	-0.13071
0.67	-0.13204	0.67	-0.07013
0.74	-0.06364	0.74	-0.00886
0.81	-0.00111	0.81	0.03256
0.88	0.06034	0.88	0.03582
0.95	0.13434	0.95	0.12426

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
24	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.6002	9.06	0.00	19.96 416.9	100.98 2109.1	79.16 1653.2	10.90 3.32	309.41 97.26

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.31028	0.05	0.54443
0.06	-1.13868	0.10	0.33124
0.11	-1.14706	0.20	0.12619
0.17	-1.15565	0.35	-0.06171
0.23	-1.02214	0.50	-0.18732
0.29	-0.93253	0.65	-0.09249
0.35	-0.85942	0.80	0.18383
0.41	-0.32057	0.95	0.21067
0.47	-0.72535		
0.53	-0.69340		
0.57	-0.65721		
0.65	-0.56696		
0.71	-0.50965		
0.77	-0.49072		
0.83	-0.48643		
0.89	-0.38614		
0.95	-0.35787		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.97155	0.02	0.30497
0.06	-0.63756	0.06	0.12518
0.11	-0.49044	0.11	0.00757
0.18	-0.49391	0.18	-0.09728
0.25	-0.46874	0.25	-0.14510
0.32	-0.46571	0.32	-0.17900
0.39	-0.43567	0.39	-0.19535
0.46	-0.36985	0.46	-0.18039
0.53	-0.30331	0.53	-0.20239
0.60	-0.20372	0.60	-0.11234
0.67	-0.13178	0.67	-0.05553
0.74	-0.05636	0.74	-0.00185
0.81	0.00422	0.81	0.03083
0.88	0.06502	0.88	0.03041
0.95	0.13607	0.95	0.11790

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
24	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.6003	11.05	-0.02	19.96 416.9	100.95 2108.4	79.12 1652.5	10.91 3.33	309.11 96.72

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.64953	0.05	0.57525
0.06	-0.67959	0.10	0.34472
0.11	-0.60864	0.20	0.14299
0.17	-0.57582	0.35	-0.05373
0.23	-0.60167	0.50	-0.21397
0.29	-0.62435	0.65	-0.15945
0.35	-0.62742	0.80	0.12602
0.41	-0.36524	0.95	0.11986
0.47	-0.64541		
0.53	-0.64316		
0.57	-0.63697		
0.65	-0.64942		
0.71	-0.63311		
0.77	-0.61599		
0.83	-0.60864		
0.89	-0.59056		
0.95	-0.54273		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.40673	0.02	0.43305
0.06	-0.71156	0.06	0.23004
0.11	-0.63438	0.11	0.12232
0.18	-0.60463	0.18	-0.02032
0.25	-0.54606	0.25	-0.06954
0.32	-0.51805	0.32	-0.10387
0.39	-0.47397	0.39	-0.14428
0.46	-0.39854	0.46	-0.13481
0.53	-0.31681	0.53	-0.16972
0.60	-0.22637	0.60	-0.08599
0.67	-0.14480	0.67	-0.04024
0.74	-0.06275	0.74	0.00454
0.81	-0.00386	0.81	0.03862
0.88	0.06031	0.88	0.03679
0.95	0.13174	0.95	0.10987

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
24	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.6008	13.00	0.04	19.99 417.5	100.98 2109.1	79.12 1652.5	10.91 3.33	309.22 96.92

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.54521	0.05	0.57985
0.06	-0.49083	0.10	0.36320
0.11	-0.49120	0.20	0.14638
0.17	-0.50569	0.35	-0.05906
0.23	-0.52414	0.50	-0.22900
0.29	-0.53131	0.65	-0.20110
0.35	-0.53651	0.80	0.08294
0.41	-0.38759	0.95	0.06222
0.47	-0.56907		
0.53	-0.58876		
0.57	-0.59207		
0.65	-0.59247		
0.71	-0.60584		
0.77	-0.61272		
0.83	-0.61954		
0.89	-0.61723		
0.95	-0.59274		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.82917	0.02	0.55903
0.06	-1.00436	0.06	0.33427
0.11	-0.78464	0.11	0.21381
0.18	-0.68523	0.18	0.08884
0.25	-0.60606	0.25	-0.00824
0.32	-0.56473	0.32	-0.06207
0.39	-0.49865	0.39	-0.09568
0.46	-0.41091	0.46	-0.10452
0.53	-0.32543	0.53	-0.12423
0.60	-0.22699	0.60	-0.05749
0.67	-0.14582	0.67	-0.01527
0.74	-0.06608	0.74	0.02844
0.81	0.00256	0.81	0.05177
0.88	0.06840	0.88	0.04857
0.95	0.13441	0.95	0.11120

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
24	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
22	0.5997	15.02	0.08	19.93 416.3	100.98 2109.1	79.19 1653.9	10.91 3.32	309.05 96.62

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.50826	0.05	0.62988
0.06	-0.50237	0.10	0.42272
0.11	-0.49711	0.20	0.20695
0.17	-0.49986	0.35	-0.01837
0.23	-0.52410	0.50	-0.19894
0.29	-0.51589	0.65	-0.18950
0.35	-0.54424	0.80	0.08317
0.41	-0.40243	0.95	0.05905
0.47	-0.55914		
0.53	-0.58391		
0.57	-0.58025		
0.65	-0.59233		
0.71	-0.61485		
0.77	-0.61301		
0.83	-0.61881		
0.89	-0.62359		
0.95	-0.61368		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.85080	0.02	0.64938
0.06	-1.25212	0.06	0.41444
0.11	-0.89104	0.11	0.24516
0.18	-0.75640	0.18	0.12298
0.25	-0.64109	0.25	0.03996
0.32	-0.57992	0.32	-0.01368
0.39	-0.51465	0.39	-0.06075
0.46	-0.42950	0.46	-0.06682
0.53	-0.33552	0.53	-0.10889
0.60	-0.22886	0.60	-0.04462
0.67	-0.14972	0.67	-0.00424
0.74	-0.06933	0.74	0.03660
0.81	-0.00422	0.81	0.05634
0.88	0.05750	0.88	0.04907
0.95	0.12569	0.95	0.11084

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
24	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
23	0.5997	17.17	0.03	19.93 416.3	100.98 2109.1	79.19 1653.9	10.91 3.32	309.03 96.59

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.49427	0.05	0.68384
0.06	-0.48042	0.10	0.49934
0.11	-0.48982	0.20	0.27520
0.17	-0.49965	0.35	0.05624
0.23	-0.50918	0.50	-0.13710
0.29	-0.50961	0.65	-0.14940
0.35	-0.51849	0.80	0.10319
0.41	-0.40820	0.95	0.06517
0.47	-0.55189		
0.53	-0.55716		
0.57	-0.55833		
0.65	-0.57102		
0.71	-0.59382		
0.77	-0.58641		
0.83	-0.58646		
0.89	-0.59382		
0.95	-0.57571		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.80895	0.02	0.63707
0.06	-1.24210	0.06	0.40850
0.11	-0.94181	0.11	0.23898
0.18	-0.77005	0.18	0.11660
0.25	-0.64426	0.25	0.02210
0.32	-0.57303	0.32	-0.04050
0.39	-0.50537	0.39	-0.07185
0.46	-0.41388	0.46	-0.08186
0.53	-0.32606	0.53	-0.11902
0.60	-0.23463	0.60	-0.05705
0.67	-0.15408	0.67	-0.01733
0.74	-0.07909	0.74	0.02010
0.81	-0.02880	0.81	0.04418
0.88	0.03121	0.88	0.03155
0.95	0.09745	0.95	0.09103

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
24	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
24	0.6001	17.98	0.03	19.96 416.9	101.02 2109.8	79.19 1653.9	10.91 3.33	309.09 96.69

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.49888	0.05	0.71942
0.06	-0.49123	0.10	0.52755
0.11	-0.49499	0.20	0.31378
0.17	-0.50894	0.35	0.08119
0.23	-0.51721	0.50	-0.11919
0.29	-0.51236	0.65	-0.13418
0.35	-0.52100	0.80	0.11044
0.41	-0.41129	0.95	0.07200
0.47	-0.54476		
0.53	-0.56021		
0.57	-0.56184		
0.65	-0.57382		
0.71	-0.59774		
0.77	-0.59581		
0.83	-0.59554		
0.89	-0.58568		
0.95	-0.58149		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.76998	0.02	0.62128
0.06	-1.27227	0.06	0.38068
0.11	-0.92391	0.11	0.22511
0.18	-0.74888	0.18	0.07908
0.25	-0.62845	0.25	0.00149
0.32	-0.57449	0.32	-0.05304
0.39	-0.49218	0.39	-0.08870
0.46	-0.40064	0.46	-0.08489
0.53	-0.31661	0.53	-0.12987
0.60	-0.23146	0.60	-0.06960
0.67	-0.15550	0.67	-0.02028
0.74	-0.08945	0.74	0.01528
0.81	-0.02771	0.81	0.03255
0.88	0.03107	0.88	0.01527
0.95	0.06841	0.95	0.07681

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
24	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
25	0.5996	-1.82	-0.01	19.93 416.3	101.02 2109.8	79.22 1654.6	10.91 3.33	308.98 96.49

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.25462	0.05	-0.56046
0.06	-0.39523	0.10	-0.53898
0.11	-0.40314	0.20	-0.51656
0.17	-0.40019	0.35	-0.50599
0.23	-0.38646	0.50	-0.45822
0.29	-0.38859	0.65	-0.16200
0.35	-0.39409	0.80	0.14808
0.41	-0.42320	0.95	0.25193
0.47	-0.38250		
0.53	-0.39137		
0.57	-0.35714		
0.65	-0.35272		
0.71	-0.30281		
0.77	-0.24963		
0.83	-0.19099		
0.89	-0.13077		
0.95	-0.03898		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.29598	0.02	-0.96416
0.06	0.10570	0.06	-0.54285
0.11	0.00537	0.11	-0.52392
0.18	-0.07851	0.18	-0.48333
0.25	-0.12998	0.25	-0.45488
0.32	-0.19573	0.32	-0.43934
0.39	-0.22001	0.39	-0.40325
0.46	-0.20784	0.46	-0.34669
0.53	-0.18017	0.53	-0.36118
0.60	-0.12500	0.60	-0.20067
0.67	-0.08179	0.67	-0.11987
0.74	-0.03333	0.74	-0.04517
0.81	0.01942	0.81	0.00372
0.88	0.06726	0.88	0.01590
0.95	0.12594	0.95	0.12799

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
25	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7799	-6.45	-0.02	28.74 600.2	100.88 2107.0	67.50 1409.8	12.31 3.75	318.87 114.29

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.45134	0.05	-1.31385
0.06	0.12108	0.10	-1.28747
0.11	-0.00770	0.20	-1.28086
0.17	-0.10009	0.35	-0.78393
0.23	-0.13600	0.50	-0.50857
0.29	-0.19515	0.65	-0.33681
0.35	-0.23285	0.80	-0.16434
0.41	0.03954	0.95	-0.00307
0.47	-0.30985		
0.53	-0.35701		
0.57	-0.33265		
0.65	-0.37936		
0.71	-0.35121		
0.77	-0.30865		
0.83	-0.25911		
0.89	-0.21521		
0.95	-0.16185		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.51626	0.02	-1.59012
0.06	0.29860	0.06	-1.40365
0.11	0.18280	0.11	-1.31408
0.18	0.06368	0.18	-1.06188
0.25	-0.01436	0.25	-0.72412
0.32	-0.10015	0.32	-0.42014
0.39	-0.13792	0.39	-0.38347
0.46	-0.15215	0.46	-0.32042
0.53	-0.14719	0.53	-0.34020
0.60	-0.10519	0.60	-0.15881
0.67	-0.06491	0.67	-0.06721
0.74	-0.01697	0.74	0.00600
0.81	0.03473	0.81	0.06298
0.88	0.07588	0.88	0.07705
0.95	0.12635	0.95	0.16880

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
25	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.7799	-4.23	-0.01	28.74 600.2	100.88 2107.0	67.50 1409.8	12.28 3.74	319.39 115.23

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.19815	0.05	-1.05221
0.06	-0.12002	0.10	-0.98883
0.11	-0.19935	0.20	-0.92579
0.17	-0.24871	0.35	-1.04197
0.23	-0.27602	0.50	-0.46720
0.29	-0.31454	0.65	-0.16313
0.35	-0.35225	0.80	-0.04134
0.41	-0.00153	0.95	0.12917
0.47	-0.38016		
0.53	-0.40704		
0.57	-0.37037		
0.65	-0.37132		
0.71	-0.32333		
0.77	-0.25447		
0.83	-0.18981		
0.89	-0.10997		
0.95	-0.00875		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.42010	0.02	-1.46919
0.06	0.21232	0.06	-1.24522
0.11	0.09827	0.11	-0.95448
0.18	-0.02999	0.18	-0.86501
0.25	-0.09776	0.25	-0.55953
0.32	-0.16979	0.32	-0.48720
0.39	-0.21280	0.39	-0.42873
0.46	-0.20810	0.46	-0.34935
0.53	-0.18282	0.53	-0.35154
0.60	-0.12769	0.60	-0.17806
0.67	-0.07806	0.67	-0.08478
0.74	-0.02319	0.74	-0.00737
0.81	0.03766	0.81	0.05526
0.88	0.08597	0.88	0.07311
0.95	0.14910	0.95	0.17604

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
25	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.7794	-1.79	-0.01	28.71 599.7	100.88 2107.0	67.54 1410.5	12.29 3.74	319.24 114.96

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.12568	0.05	-0.55837
0.06	-0.42740	0.10	-0.59173
0.11	-0.47053	0.20	-0.68277
0.17	-0.49254	0.35	-0.74360
0.23	-0.47935	0.50	-0.53525
0.29	-0.48265	0.65	-0.09687
0.35	-0.49301	0.80	0.11387
0.41	-0.06671	0.95	0.24316
0.47	-0.47449		
0.53	-0.48904		
0.57	-0.43412		
0.65	-0.40763		
0.71	-0.32825		
0.77	-0.24392		
0.83	-0.16346		
0.89	-0.07527		
0.95	0.03593		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.31807	0.02	-1.09114
0.06	0.12841	0.06	-0.84096
0.11	0.02803	0.11	-0.67323
0.18	-0.09348	0.18	-0.64750
0.25	-0.14743	0.25	-0.55566
0.32	-0.21751	0.32	-0.50571
0.39	-0.24750	0.39	-0.42066
0.46	-0.23093	0.46	-0.33717
0.53	-0.20167	0.53	-0.34612
0.60	-0.14482	0.60	-0.17796
0.67	-0.08480	0.67	-0.08527
0.74	-0.02040	0.74	-0.00735
0.81	0.03816	0.81	0.06071
0.88	0.09446	0.88	0.07573
0.95	0.16195	0.95	0.17766

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
25	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.7799	0.51	-0.01	28.74 600.2	100.88 2107.0	67.50 1409.8	12.30 3.75	319.02 114.56

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.58455	0.05	-0.18273
0.06	-0.80559	0.10	-0.31382
0.11	-0.89465	0.20	-0.41418
0.17	-0.85411	0.35	-0.54171
0.23	-0.75476	0.50	-0.52227
0.29	-0.79812	0.65	-0.09300
0.35	-0.61150	0.80	0.17836
0.41	-0.14661	0.95	0.28843
0.47	-0.55818		
0.53	-0.55852		
0.57	-0.48696		
0.65	-0.43427		
0.71	-0.34798		
0.77	-0.25775		
0.83	-0.17322		
0.89	-0.07586		
0.95	0.03138		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.15446	0.02	-0.72723
0.06	-0.00080	0.06	-0.54426
0.11	-0.06996	0.11	-0.48393
0.18	-0.16951	0.18	-0.51530
0.25	-0.22448	0.25	-0.47610
0.32	-0.29435	0.32	-0.45144
0.39	-0.30894	0.39	-0.38609
0.46	-0.27785	0.46	-0.31667
0.53	-0.23216	0.53	-0.33542
0.60	-0.15813	0.60	-0.16603
0.67	-0.08977	0.67	-0.07452
0.74	-0.02099	0.74	0.00037
0.81	0.04503	0.81	0.05765
0.88	0.10554	0.88	0.07242
0.95	0.17742	0.95	0.17742

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
25	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.7799	2.97	-0.01	28.74 600.2	100.88 2107.0	67.50 1409.8	12.27 3.74	319.58 115.57

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.91082	0.05	0.06465
0.06	-1.18760	0.10	-0.08619
0.11	-1.23306	0.20	-0.23763
0.17	-1.22020	0.35	-0.37797
0.23	-1.18760	0.50	-0.44233
0.29	-1.19033	0.65	-0.08732
0.35	-1.21880	0.80	0.22315
0.41	-0.28018	0.95	0.32125
0.47	-0.92860		
0.53	-0.55887		
0.57	-0.44807		
0.65	-0.34546		
0.71	-0.27042		
0.77	-0.19716		
0.83	-0.13389		
0.89	-0.06339		
0.95	0.02229		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.02292	0.02	-0.30299
0.06	-0.12432	0.06	-0.29683
0.11	-0.16896	0.11	-0.33687
0.18	-0.28531	0.18	-0.39022
0.25	-0.31834	0.25	-0.39326
0.32	-0.37426	0.32	-0.38726
0.39	-0.36254	0.39	-0.34812
0.46	-0.32088	0.46	-0.29105
0.53	-0.26557	0.53	-0.31875
0.60	-0.17528	0.60	-0.15853
0.67	-0.10212	0.67	-0.06997
0.74	-0.02799	0.74	0.00363
0.81	0.04226	0.81	0.06262
0.88	0.10515	0.88	0.07551
0.95	0.17826	0.95	0.17896

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
25	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.7799	5.17	0.01	28.74 600.2	100.88 2107.0	67.50 1409.8	12.31 3.75	318.92 114.39

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.13570	0.05	0.24935
0.06	-1.38114	0.10	0.04853
0.11	-1.39914	0.20	-0.12853
0.17	-1.39677	0.35	-0.30414
0.23	-1.38323	0.50	-0.43447
0.29	-1.15226	0.65	-0.15546
0.35	-0.81696	0.80	0.17988
0.41	-0.41894	0.95	0.23180
0.47	-0.69859		
0.53	-0.64533		
0.57	-0.60116		
0.65	-0.51465		
0.71	-0.48093		
0.77	-0.41429		
0.83	-0.33445		
0.89	-0.28362		
0.95	-0.23137		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.25723	0.02	-0.02886
0.06	-0.28592	0.06	-0.12761
0.11	-0.30810	0.11	-0.19037
0.18	-0.37235	0.18	-0.27451
0.25	-0.39456	0.25	-0.30124
0.32	-0.43912	0.32	-0.31976
0.39	-0.42746	0.39	-0.30627
0.46	-0.36090	0.46	-0.26085
0.53	-0.28223	0.53	-0.28875
0.60	-0.18764	0.60	-0.14538
0.67	-0.10787	0.67	-0.06168
0.74	-0.02905	0.74	0.00951
0.81	0.03937	0.81	0.05770
0.88	0.10578	0.88	0.06689
0.95	0.17801	0.95	0.16956

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
25	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.7797	7.30	0.00	28.74 600.3	100.92 2107.7	67.54 1410.5	12.26 3.74	319.99 116.31

WING

UPPER SURFACE

X/C	CP
0.02	-1.31958
0.06	-1.50419
0.11	-1.43499
0.17	-0.75875
0.23	-0.80341
0.29	-0.79469
0.35	-0.76295
0.41	-0.51436
0.47	-0.61291
0.53	-0.54437
0.57	-0.60940
0.65	-0.60521
0.71	-0.56822
0.77	-0.55363
0.83	-0.48620
0.89	-0.47190
0.95	-0.42537

LOWER SURFACE

X/C	CP
0.05	0.37384
0.10	0.17773
0.20	-0.02107
0.35	-0.22392
0.50	-0.38072
0.65	-0.17164
0.80	0.16760
0.95	0.20290

HORIZ. TAIL

UPPER SURFACE

X/C	CP
0.02	-0.60001
0.06	-0.52342
0.11	-0.45237
0.18	-0.49855
0.25	-0.49577
0.32	-0.53100
0.39	-0.47844
0.46	-0.38912
0.53	-0.30513
0.60	-0.19183
0.67	-0.10844
0.74	-0.02698
0.81	0.03989
0.88	0.10729
0.95	0.18264

LOWER SURFACE

X/C	CP
0.02	0.17420
0.06	0.01771
0.11	-0.08485
0.18	-0.17500
0.25	-0.21207
0.32	-0.25332
0.39	-0.25144
0.46	-0.22601
0.53	-0.26079
0.60	-0.12988
0.67	-0.05546
0.74	0.00929
0.81	0.05682
0.88	0.06578
0.95	0.16338

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
25	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.7788	9.26	-0.03	28.69 599.2	100.88 2107.0	67.57 1411.2	12.25 3.73	319.82 116.01

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.60508	0.05	0.46181
0.06	-0.54324	0.10	0.25191
0.11	-0.54415	0.20	0.04721
0.17	-0.54269	0.35	-0.15824
0.23	-0.52699	0.50	-0.36301
0.29	-0.55698	0.65	-0.19055
0.35	-0.54059	0.80	0.15761
0.41	-0.51004	0.95	0.17809
0.47	-0.56514		
0.53	-0.59854		
0.57	-0.57389		
0.65	-0.59405		
0.71	-0.61676		
0.77	-0.61290		
0.83	-0.60058		
0.89	-0.58732		
0.95	-0.54254		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.10558	0.02	0.32150
0.06	-0.86761	0.06	0.15595
0.11	-0.56164	0.11	0.04565
0.18	-0.66350	0.18	-0.04944
0.25	-0.60454	0.25	-0.12855
0.32	-0.60011	0.32	-0.18062
0.39	-0.51255	0.39	-0.18403
0.46	-0.40091	0.46	-0.16672
0.53	-0.30584	0.53	-0.21537
0.60	-0.19571	0.60	-0.10645
0.67	-0.10696	0.67	-0.04032
0.74	-0.02509	0.74	0.01677
0.81	0.05066	0.81	0.06547
0.88	0.11822	0.88	0.06666
0.95	0.18789	0.95	0.15033

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
25	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.7788	11.25	0.00	28.69 599.2	100.88 2107.0	67.57 1411.2	12.26 3.74	319.69 115.77

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.69962	0.05	0.53372
0.06	-0.56182	0.10	0.32687
0.11	-0.54498	0.20	0.11418
0.17	-0.59144	0.35	-0.11725
0.23	-0.58962	0.50	-0.33382
0.29	-0.59595	0.65	-0.21731
0.35	-0.59424	0.80	0.13595
0.41	-0.51154	0.95	0.14811
0.47	-0.59735		
0.53	-0.62245		
0.57	-0.60144		
0.65	-0.63272		
0.71	-0.63224		
0.77	-0.61812		
0.83	-0.61247		
0.89	-0.60496		
0.95	-0.56993		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.31326	0.02	0.50398
0.06	-1.18411	0.06	0.28090
0.11	-0.71184	0.11	0.14251
0.18	-0.73506	0.18	0.02425
0.25	-0.71913	0.25	-0.04841
0.32	-0.66134	0.32	-0.10632
0.39	-0.51217	0.39	-0.13611
0.46	-0.39709	0.46	-0.13946
0.53	-0.30180	0.53	-0.18195
0.60	-0.18950	0.60	-0.07246
0.67	-0.10031	0.67	-0.01181
0.74	-0.01695	0.74	0.03896
0.81	0.05123	0.81	0.07163
0.88	0.11675	0.88	0.06741
0.95	0.18116	0.95	0.14040

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
25	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.7813	13.38	-0.06	28.81 601.7	100.92 2107.7	67.43 1408.4	12.27 3.74	319.95 116.24

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.49883	0.05	0.61652
0.06	-0.50249	0.10	0.43330
0.11	-0.49407	0.20	0.20921
0.17	-0.50859	0.35	-0.03161
0.23	-0.52489	0.50	-0.24004
0.29	-0.53164	0.65	-0.16677
0.35	-0.54599	0.80	0.15869
0.41	-0.50480	0.95	0.16637
0.47	-0.56411		
0.53	-0.57642		
0.57	-0.58100		
0.65	-0.60098		
0.71	-0.60918		
0.77	-0.61701		
0.83	-0.61444		
0.89	-0.60848		
0.95	-0.60616		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.43596	0.02	0.53405
0.06	-1.35680	0.06	0.32596
0.11	-1.22069	0.11	0.19091
0.18	-0.84172	0.18	0.07146
0.25	-0.80081	0.25	-0.01577
0.32	-0.68749	0.32	-0.06871
0.39	-0.48861	0.39	-0.10274
0.46	-0.37411	0.46	-0.10258
0.53	-0.28672	0.53	-0.14548
0.60	-0.18661	0.60	-0.06279
0.67	-0.09589	0.67	-0.01115
0.74	-0.01839	0.74	0.04220
0.81	0.05744	0.81	0.07193
0.88	0.12392	0.88	0.06589
0.95	0.18508	0.95	0.13325

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
25	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.7787	15.44	-0.01	28.69 599.3	100.92 2107.7	67.60 1411.9	12.27 3.74	319.52 115.47

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.50466	0.05	0.69082
0.06	-0.49955	0.10	0.49836
0.11	-0.50327	0.20	0.27723
0.17	-0.51095	0.35	0.03522
0.23	-0.49608	0.50	-0.18681
0.29	-0.51979	0.65	-0.14186
0.35	-0.51631	0.80	0.16845
0.41	-0.50418	0.95	0.16963
0.47	-0.54002		
0.53	-0.54964		
0.57	-0.56230		
0.65	-0.57584		
0.71	-0.57527		
0.77	-0.57688		
0.83	-0.57212		
0.89	-0.59624		
0.95	-0.57711		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.45124	0.02	0.57503
0.06	-1.39368	0.06	0.36345
0.11	-1.25527	0.11	0.21293
0.18	-0.89243	0.18	0.06998
0.25	-0.80146	0.25	-0.00294
0.32	-0.64516	0.32	-0.05714
0.39	-0.50699	0.39	-0.10105
0.46	-0.39583	0.46	-0.11083
0.53	-0.30440	0.53	-0.16972
0.60	-0.19659	0.60	-0.05957
0.67	-0.11662	0.67	-0.00665
0.74	-0.04458	0.74	0.04107
0.81	0.02613	0.81	0.07279
0.88	0.08772	0.88	0.06505
0.95	0.14925	0.95	0.12771

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
25	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.7792	17.56	0.02	28.72 599.8	100.92 2107.7	67.57 1411.2	12.26 3.74	319.86 116.07

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.49112	0.05	0.75145
0.06	-0.49685	0.10	0.56270
0.11	-0.49145	0.20	0.34650
0.17	-0.50208	0.35	0.11163
0.23	-0.51633	0.50	-0.10281
0.29	-0.51100	0.65	-0.08827
0.35	-0.50512	0.80	0.19574
0.41	-0.49709	0.95	0.18608
0.47	-0.55708		
0.53	-0.54339		
0.57	-0.55784		
0.65	-0.56127		
0.71	-0.56952		
0.77	-0.56549		
0.83	-0.56965		
0.89	-0.58633		
0.95	-0.57384		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.39327	0.02	0.54368
0.06	-1.35716	0.06	0.30437
0.11	-1.23412	0.11	0.15638
0.18	-0.97510	0.18	0.03017
0.25	-0.75124	0.25	-0.06113
0.32	-0.61783	0.32	-0.11488
0.39	-0.50605	0.39	-0.12124
0.46	-0.39227	0.46	-0.12351
0.53	-0.29153	0.53	-0.18610
0.60	-0.20432	0.60	-0.07364
0.67	-0.11748	0.67	-0.01267
0.74	-0.04133	0.74	0.03338
0.81	0.01374	0.81	0.05342
0.88	0.06283	0.88	0.03826
0.95	0.11514	0.95	0.09968

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
25	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.7814	18.67	0.03	28.81 601.7	100.88 2107.0	67.40 1407.6	12.28 3.74	319.73 115.84

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.48469	0.05	0.77609
0.06	-0.48319	0.10	0.60332
0.11	-0.48121	0.20	0.39523
0.17	-0.53750	0.35	0.15365
0.23	-0.52922	0.50	-0.06705
0.29	-0.51124	0.65	-0.05928
0.35	-0.51132	0.80	0.20483
0.41	-0.48089	0.95	0.20105
0.47	-0.53574		
0.53	-0.55093		
0.57	-0.55822		
0.65	-0.56924		
0.71	-0.57664		
0.77	-0.58238		
0.83	-0.58218		
0.89	-0.59077		
0.95	-0.57893		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.30466	0.02	0.46721
0.06	-1.26796	0.06	0.24727
0.11	-1.09076	0.11	0.10969
0.18	-0.88610	0.18	-0.02466
0.25	-0.74854	0.25	-0.08252
0.32	-0.63279	0.32	-0.12305
0.39	-0.49881	0.39	-0.13770
0.46	-0.37296	0.46	-0.12809
0.53	-0.28341	0.53	-0.20138
0.60	-0.19792	0.60	-0.06589
0.67	-0.11658	0.67	-0.01279
0.74	-0.04217	0.74	0.01758
0.81	-0.00288	0.81	0.03114
0.88	0.05170	0.88	0.01686
0.95	0.10295	0.95	0.08108

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
25	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.7797	-1.81	-0.01	28.74 600.3	100.92 2107.7	67.54 1410.5	12.26 3.74	319.82 116.01

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.15611	0.05	-0.53538
0.06	-0.40965	0.10	-0.58592
0.11	-0.43924	0.20	-0.67619
0.17	-0.45530	0.35	-0.73555
0.23	-0.45222	0.50	-0.53074
0.29	-0.46710	0.65	-0.10053
0.35	-0.48511	0.80	0.11280
0.41	-0.48739	0.95	0.23933
0.47	-0.47686		
0.53	-0.47998		
0.57	-0.42353		
0.65	-0.39210		
0.71	-0.32398		
0.77	-0.24306		
0.83	-0.16104		
0.89	-0.07019		
0.95	0.04029		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.29626	0.02	-1.08652
0.06	0.10194	0.06	-0.76110
0.11	0.01088	0.11	-0.65497
0.18	-0.08835	0.18	-0.61503
0.25	-0.15653	0.25	-0.54615
0.32	-0.23117	0.32	-0.49776
0.39	-0.24622	0.39	-0.41898
0.46	-0.22802	0.46	-0.33468
0.53	-0.19773	0.53	-0.35146
0.60	-0.14586	0.60	-0.16892
0.67	-0.08711	0.67	-0.07624
0.74	-0.02171	0.74	-0.00010
0.81	0.03973	0.81	0.05847
0.88	0.09330	0.88	0.07088
0.95	0.16025	0.95	0.17685

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
26	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8498	-6.26	-0.02	31.81 664.3	100.88 2107.0	62.91 1313.9	12.68 3.86	321.80 119.57

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.37934	0.05	-1.00470
0.06	0.05694	0.10	-1.03585
0.11	-0.06147	0.20	-1.06548
0.17	-0.13856	0.35	-0.49355
0.23	-0.18226	0.50	-0.44674
0.29	-0.24303	0.65	-0.39655
0.35	-0.29032	0.80	-0.35901
0.41	-0.27806	0.95	-0.30850
0.47	-0.36955		
0.53	-0.46788		
0.57	-0.44025		
0.65	-0.57115		
0.71	-0.62240		
0.77	-0.65118		
0.83	-0.65887		
0.89	-0.67609		
0.95	-0.36777		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.48291	0.02	-1.32565
0.06	0.27662	0.06	-1.20414
0.11	0.16314	0.11	-1.14514
0.18	0.04053	0.18	-1.08468
0.25	-0.05117	0.25	-0.99069
0.32	-0.15025	0.32	-0.98087
0.39	-0.20429	0.39	-0.45055
0.46	-0.21987	0.46	-0.27659
0.53	-0.21688	0.53	-0.28984
0.60	-0.15462	0.60	-0.13412
0.67	-0.10264	0.67	-0.06923
0.74	-0.04228	0.74	-0.01255
0.81	0.00735	0.81	0.05223
0.88	0.05546	0.88	0.07051
0.95	0.11559	0.95	0.15741

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
26	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.8502	-4.01	-0.02	31.83 664.8	100.92 2107.7	62.91 1313.9	12.63 3.85	322.79 121.36

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.13449	0.05	-0.78453
0.06	-0.16735	0.10	-0.71170
0.11	-0.25148	0.20	-0.77502
0.17	-0.29837	0.35	-0.89743
0.23	-0.33540	0.50	-0.34983
0.29	-0.38406	0.65	-0.30054
0.35	-0.43384	0.80	-0.26782
0.41	-0.27966	0.95	-0.18664
0.47	-0.47748		
0.53	-0.55250		
0.57	-0.52974		
0.65	-0.64818		
0.71	-0.69931		
0.77	-0.73056		
0.83	-0.69761		
0.89	-0.28514		
0.95	-0.17529		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.38406	0.02	-1.17354
0.06	0.19160	0.06	-1.02678
0.11	0.09011	0.11	-0.91355
0.18	-0.04025	0.18	-0.77176
0.25	-0.11809	0.25	-0.84976
0.32	-0.21106	0.32	-0.89449
0.39	-0.25952	0.39	-0.47521
0.46	-0.26380	0.46	-0.26964
0.53	-0.23996	0.53	-0.29379
0.60	-0.17404	0.60	-0.12657
0.67	-0.10744	0.67	-0.04816
0.74	-0.03721	0.74	0.02095
0.81	0.02650	0.81	0.08271
0.88	0.08583	0.88	0.09805
0.95	0.15463	0.95	0.18984

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
26	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.8502	-1.70	-0.01	31.83 664.8	100.92 2107.7	62.91 1313.9	12.63 3.85	322.81 121.39

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.11955	0.05	-0.41905
0.06	-0.43669	0.10	-0.45570
0.11	-0.48568	0.20	-0.63685
0.17	-0.53637	0.35	-0.69734
0.23	-0.56797	0.50	-0.66969
0.29	-0.60401	0.65	-0.23485
0.35	-0.59345	0.80	-0.19792
0.41	-0.32342	0.95	-0.05805
0.47	-0.60927		
0.53	-0.67475		
0.57	-0.65486		
0.65	-0.74779		
0.71	-0.76868		
0.77	-0.33912		
0.83	-0.18573		
0.89	-0.11155		
0.95	-0.03469		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.28534	0.02	-0.96119
0.06	0.09349	0.06	-0.67328
0.11	-0.00308	0.11	-0.61032
0.18	-0.11344	0.18	-0.73246
0.25	-0.19591	0.25	-0.74908
0.32	-0.29335	0.32	-0.78415
0.39	-0.32048	0.39	-0.37904
0.46	-0.30436	0.46	-0.26521
0.53	-0.25951	0.53	-0.31017
0.60	-0.16842	0.60	-0.13977
0.67	-0.09289	0.67	-0.05249
0.74	-0.01695	0.74	0.02082
0.81	0.04947	0.81	0.07765
0.88	0.11251	0.88	0.09286
0.95	0.18776	0.95	0.19729

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
26	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.8498	0.52	-0.01	31.81 664.3	100.88 2107.0	62.91 1313.9	12.61 3.85	323.06 121.83

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.41619	0.05	-0.17350
0.06	-0.68826	0.10	-0.29950
0.11	-0.77947	0.20	-0.44062
0.17	-0.78098	0.35	-0.57818
0.23	-0.80507	0.50	-0.75154
0.29	-0.80547	0.65	-0.23792
0.35	-0.79065	0.80	-0.16721
0.41	-0.38378	0.95	0.03397
0.47	-0.80883		
0.53	-0.87223		
0.57	-0.82681		
0.65	-0.41170		
0.71	-0.28310		
0.77	-0.22099		
0.83	-0.15799		
0.89	-0.08441		
0.95	-0.00867		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.14292	0.02	-0.58586
0.06	-0.00094	0.06	-0.48994
0.11	-0.08167	0.11	-0.46978
0.18	-0.19122	0.18	-0.58481
0.25	-0.26132	0.25	-0.62703
0.32	-0.36137	0.32	-0.63836
0.39	-0.37771	0.39	-0.33692
0.46	-0.33279	0.46	-0.27762
0.53	-0.26492	0.53	-0.32615
0.60	-0.17650	0.60	-0.13844
0.67	-0.09581	0.67	-0.04524
0.74	-0.01394	0.74	0.03177
0.81	0.06231	0.81	0.09362
0.88	0.12624	0.88	0.10642
0.95	0.20126	0.95	0.20992

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
26	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.8507	2.74	0.00	31.85 665.2	100.92 2107.7	62.88 1313.2	12.61 3.84	323.36 122.37

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.62220	0.05	0.04027
0.06	-0.90162	0.10	-0.13934
0.11	-0.96074	0.20	-0.29229
0.17	-0.99499	0.35	-0.48340
0.23	-0.99612	0.50	-0.68398
0.29	-0.99354	0.65	-0.29271
0.35	-0.98782	0.80	-0.17640
0.41	-0.46432	0.95	0.06413
0.47	-0.45165		
0.53	-0.42526		
0.57	-0.41047		
0.65	-0.39088		
0.71	-0.36791		
0.77	-0.34614		
0.83	-0.30971		
0.89	-0.27640		
0.95	-0.23215		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.03243	0.02	-0.25299
0.06	-0.14729	0.06	-0.29501
0.11	-0.19111	0.11	-0.34315
0.18	-0.30423	0.18	-0.45562
0.25	-0.35159	0.25	-0.46536
0.32	-0.45817	0.32	-0.43630
0.39	-0.51298	0.39	-0.35230
0.46	-0.36101	0.46	-0.29564
0.53	-0.27354	0.53	-0.33663
0.60	-0.16970	0.60	-0.14187
0.67	-0.08610	0.67	-0.04797
0.74	-0.00313	0.74	0.02884
0.81	0.06773	0.81	0.08916
0.88	0.13413	0.88	0.09860
0.95	0.20601	0.95	0.20198

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
26	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.8502	5.03	0.01	31.83 664.8	100.92 2107.7	62.91 1313.9	12.61 3.85	323.17 122.03

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.81271	0.05	0.21609
0.06	-1.07841	0.10	0.01998
0.11	-1.08684	0.20	-0.15456
0.17	-1.11466	0.35	-0.36568
0.23	-1.12873	0.50	-0.60651
0.29	-0.91693	0.65	-0.27357
0.35	-0.64892	0.80	-0.05329
0.41	-0.53329	0.95	0.15034
0.47	-0.55132		
0.53	-0.53595		
0.57	-0.52222		
0.65	-0.50124		
0.71	-0.49648		
0.77	-0.45917		
0.83	-0.43482		
0.89	-0.41332		
0.95	-0.37044		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.27726	0.02	0.02462
0.06	-0.27879	0.06	-0.08191
0.11	-0.29047	0.11	-0.16350
0.18	-0.40576	0.18	-0.27768
0.25	-0.44957	0.25	-0.32701
0.32	-0.53728	0.32	-0.34054
0.39	-0.64514	0.39	-0.31253
0.46	-0.50072	0.46	-0.26522
0.53	-0.24018	0.53	-0.31268
0.60	-0.14455	0.60	-0.13279
0.67	-0.06646	0.67	-0.04370
0.74	0.00982	0.74	0.03091
0.81	0.07998	0.81	0.09392
0.88	0.14510	0.88	0.10337
0.95	0.21567	0.95	0.20597

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
26	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.8507	7.34	0.02	31.85 665.2	100.92 2107.7	62.88 1313.2	12.61 3.84	323.41 122.47

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.99571	0.05	0.36217
0.06	-1.19284	0.10	0.15113
0.11	-1.19055	0.20	-0.04386
0.17	-1.09875	0.35	-0.26887
0.23	-0.89149	0.50	-0.53474
0.29	-0.75069	0.65	-0.25785
0.35	-0.67312	0.80	0.08662
0.41	-0.56192	0.95	0.19515
0.47	-0.60428		
0.53	-0.58206		
0.57	-0.57592		
0.65	-0.56589		
0.71	-0.56965		
0.77	-0.56339		
0.83	-0.55834		
0.89	-0.54042		
0.95	-0.50090		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.51371	0.02	0.19472
0.06	-0.48481	0.06	0.04392
0.11	-0.40752	0.11	-0.06310
0.18	-0.51329	0.18	-0.17366
0.25	-0.54938	0.25	-0.22588
0.32	-0.61162	0.32	-0.26531
0.39	-0.72863	0.39	-0.27040
0.46	-0.76422	0.46	-0.23737
0.53	-0.27475	0.53	-0.28125
0.60	-0.13266	0.60	-0.11899
0.67	-0.05431	0.67	-0.03487
0.74	0.01947	0.74	0.03552
0.81	0.08469	0.81	0.08215
0.88	0.14727	0.88	0.09011
0.95	0.21795	0.95	0.18987

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
26	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.8517	9.35	-0.02	31.89 666.1	100.92 2107.7	62.81 1311.9	12.61 3.84	323.54 122.70

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.66589	0.05	0.47943
0.06	-0.66980	0.10	0.24996
0.11	-0.62921	0.20	0.04281
0.17	-0.59152	0.35	-0.18423
0.23	-0.61150	0.50	-0.45890
0.29	-0.61082	0.65	-0.20731
0.35	-0.57580	0.80	0.13964
0.41	-0.55736	0.95	0.20380
0.47	-0.57424		
0.53	-0.60534		
0.57	-0.60317		
0.65	-0.59243		
0.71	-0.57748		
0.77	-0.58693		
0.83	-0.58490		
0.89	-0.60388		
0.95	-0.56735		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.87498	0.02	0.37771
0.06	-0.75789	0.06	0.17501
0.11	-0.54979	0.11	0.05212
0.18	-0.61875	0.18	-0.04848
0.25	-0.68313	0.25	-0.12193
0.32	-0.71992	0.32	-0.17441
0.39	-0.81422	0.39	-0.19953
0.46	-0.85430	0.46	-0.17920
0.53	-0.31716	0.53	-0.22331
0.60	-0.16391	0.60	-0.09750
0.67	-0.06550	0.67	-0.03176
0.74	0.02077	0.74	0.03234
0.81	0.09102	0.81	0.08280
0.88	0.15841	0.88	0.08527
0.95	0.22149	0.95	0.17184

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
26	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.8477	11.43	0.00	31.73 662.6	100.92 2107.7	63.07 1317.3	12.60 3.84	323.26 122.20

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.54817	0.05	0.56127
0.06	-0.53585	0.10	0.34944
0.11	-0.53145	0.20	0.13622
0.17	-0.54165	0.35	-0.10113
0.23	-0.53857	0.50	-0.37497
0.29	-0.53942	0.65	-0.19114
0.35	-0.54059	0.80	0.17628
0.41	-0.55698	0.95	0.21901
0.47	-0.55727		
0.53	-0.55469		
0.57	-0.56869		
0.65	-0.58455		
0.71	-0.59636		
0.77	-0.60781		
0.83	-0.61163		
0.89	-0.62141		
0.95	-0.60132		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.04756	0.02	0.46061
0.06	-1.02112	0.06	0.26584
0.11	-0.87612	0.11	0.13381
0.18	-0.66960	0.18	0.01255
0.25	-0.73017	0.25	-0.05351
0.32	-0.78250	0.32	-0.10407
0.39	-0.86742	0.39	-0.14537
0.46	-0.70737	0.46	-0.13969
0.53	-0.30433	0.53	-0.18951
0.60	-0.19588	0.60	-0.06856
0.67	-0.10580	0.67	0.00111
0.74	-0.01675	0.74	0.06387
0.81	0.05596	0.81	0.09556
0.88	0.13284	0.88	0.09400
0.95	0.19635	0.95	0.16973

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
26	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.8497	13.65	-0.05	31.81 664.3	100.92 2107.7	62.94 1314.6	12.59 3.84	323.74 123.07

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.51941	0.05	0.64243
0.06	-0.51135	0.10	0.44347
0.11	-0.50828	0.20	0.22786
0.17	-0.52574	0.35	-0.01399
0.23	-0.52204	0.50	-0.26176
0.29	-0.53228	0.65	-0.14836
0.35	-0.54769	0.80	0.20844
0.41	-0.55287	0.95	0.23539
0.47	-0.56238		
0.53	-0.56837		
0.57	-0.56964		
0.65	-0.59017		
0.71	-0.59369		
0.77	-0.61326		
0.83	-0.61733		
0.89	-0.62830		
0.95	-0.60886		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.10457	0.02	0.50292
0.06	-1.09641	0.06	0.30088
0.11	-0.98994	0.11	0.17686
0.18	-0.79775	0.18	0.04939
0.25	-0.79067	0.25	-0.03533
0.32	-0.82869	0.32	-0.08220
0.39	-0.90347	0.39	-0.11193
0.46	-0.50548	0.46	-0.11565
0.53	-0.30808	0.53	-0.17735
0.60	-0.22356	0.60	-0.06572
0.67	-0.13829	0.67	0.00182
0.74	-0.04978	0.74	0.06116
0.81	0.01775	0.81	0.08846
0.88	0.08923	0.88	0.08500
0.95	0.15186	0.95	0.15143

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
26	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.8517	15.75	-0.14	31.89 666.1	100.92 2107.7	62.81 1311.9	12.58 3.84	324.04 123.61

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.49397	0.05	0.72186
0.06	-0.50229	0.10	0.53257
0.11	-0.50558	0.20	0.31637
0.17	-0.50639	0.35	0.07929
0.23	-0.50773	0.50	-0.15205
0.29	-0.51924	0.65	-0.08502
0.35	-0.51566	0.80	0.24068
0.41	-0.54184	0.95	0.25377
0.47	-0.53584		
0.53	-0.54408		
0.57	-0.56528		
0.65	-0.57702		
0.71	-0.58935		
0.77	-0.58621		
0.83	-0.60014		
0.89	-0.58114		
0.95	-0.57825		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.07212	0.02	0.51498
0.06	-1.09179	0.06	0.30623
0.11	-1.01407	0.11	0.15078
0.18	-0.89358	0.18	0.01375
0.25	-0.86285	0.25	-0.05990
0.32	-0.85354	0.32	-0.10195
0.39	-0.90411	0.39	-0.14152
0.46	-0.44411	0.46	-0.15428
0.53	-0.32383	0.53	-0.20386
0.60	-0.26195	0.60	-0.05857
0.67	-0.18023	0.67	0.00948
0.74	-0.09333	0.74	0.06364
0.81	-0.01541	0.81	0.07349
0.88	0.06693	0.88	0.05594
0.95	0.13006	0.95	0.12773

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
26	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.8502	17.92	-0.17	31.83 664.8	100.92 2107.7	62.91 1313.9	12.55 3.82	324.55 124.52

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.48797	0.05	0.78407
0.06	-0.49521	0.10	0.60430
0.11	-0.49776	0.20	0.39264
0.17	-0.49388	0.35	0.15984
0.23	-0.49731	0.50	-0.06133
0.29	-0.50955	0.65	-0.02512
0.35	-0.51919	0.80	0.25922
0.41	-0.53421	0.95	0.26801
0.47	-0.53712		
0.53	-0.56139		
0.57	-0.56546		
0.65	-0.56427		
0.71	-0.57785		
0.77	-0.58202		
0.83	-0.57396		
0.89	-0.55844		
0.95	-0.56483		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.04394	0.02	0.40771
0.06	-1.09153	0.06	0.22652
0.11	-1.02967	0.11	0.07234
0.18	-0.95089	0.18	-0.06598
0.25	-0.91624	0.25	-0.13080
0.32	-0.88149	0.32	-0.17108
0.39	-0.79391	0.39	-0.18667
0.46	-0.42854	0.46	-0.16141
0.53	-0.33715	0.53	-0.23885
0.60	-0.27106	0.60	-0.06851
0.67	-0.18846	0.67	-0.01254
0.74	-0.11845	0.74	0.03081
0.81	-0.03158	0.81	0.04764
0.88	0.03034	0.88	0.03690
0.95	0.08229	0.95	0.10242

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
26	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.8550	18.98	-0.22	32.04 669.2	100.95 2108.4	62.62 1307.8	12.55 3.83	325.22 125.73

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.48078	0.05	0.80962
0.06	-0.48269	0.10	0.63496
0.11	-0.49474	0.20	0.43480
0.17	-0.47385	0.35	0.20263
0.23	-0.49855	0.50	-0.02400
0.29	-0.49096	0.65	0.01027
0.35	-0.50284	0.80	0.27076
0.41	-0.51776	0.95	0.26896
0.47	-0.50752		
0.53	-0.54358		
0.57	-0.53947		
0.65	-0.54418		
0.71	-0.56416		
0.77	-0.54698		
0.83	-0.55633		
0.89	-0.56920		
0.95	-0.55074		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.98188	0.02	0.32771
0.06	-1.03857	0.06	0.14300
0.11	-0.97181	0.11	-0.01369
0.18	-0.90733	0.18	-0.11137
0.25	-0.89496	0.25	-0.14620
0.32	-0.86663	0.32	-0.15846
0.39	-0.77124	0.39	-0.17605
0.46	-0.42007	0.46	-0.14077
0.53	-0.31958	0.53	-0.24960
0.60	-0.25208	0.60	-0.07651
0.67	-0.18022	0.67	-0.01720
0.74	-0.10755	0.74	0.02273
0.81	-0.02652	0.81	0.03102
0.88	0.03872	0.88	0.00985
0.95	0.07947	0.95	0.07820

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
26	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.8510	-1.76	-0.02	31.87 665.7	100.95 2108.4	62.88 1313.2	12.57 3.83	324.38 124.22

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.11432	0.05	-0.36624
0.06	-0.43412	0.10	-0.46287
0.11	-0.46838	0.20	-0.64682
0.17	-0.53421	0.35	-0.69631
0.23	-0.56612	0.50	-0.62319
0.29	-0.60443	0.65	-0.22288
0.35	-0.55814	0.80	-0.17933
0.41	-0.51774	0.95	-0.06291
0.47	-0.59355		
0.53	-0.66809		
0.57	-0.64703		
0.65	-0.73399		
0.71	-0.76735		
0.77	-0.39971		
0.83	-0.19984		
0.89	-0.11516		
0.95	-0.03645		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.29543	0.02	-0.99083
0.06	0.11622	0.06	-0.75713
0.11	0.01310	0.11	-0.62452
0.18	-0.11201	0.18	-0.72412
0.25	-0.18013	0.25	-0.74816
0.32	-0.27896	0.32	-0.79343
0.39	-0.31661	0.39	-0.39131
0.46	-0.30253	0.46	-0.25520
0.53	-0.25363	0.53	-0.31245
0.60	-0.16783	0.60	-0.13048
0.67	-0.09317	0.67	-0.04437
0.74	-0.01607	0.74	0.03038
0.81	0.05114	0.81	0.08217
0.88	0.11159	0.88	0.09517
0.95	0.18398	0.95	0.19725

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
27	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.6007	-6.44	-0.01	20.02 418.2	101.15 2112.6	79.26 1655.3	11.11 3.39	305.35 89.96

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.55561	0.05	-2.05322
0.06	0.23803	0.10	-1.07517
0.11	0.08073	0.20	-0.81301
0.17	-0.01626	0.35	-0.64688
0.23	-0.09900	0.50	-0.51514
0.29	-0.13831	0.65	-0.13822
0.35	-0.17431	0.80	0.08241
0.41	-0.21003	0.95	0.17737
0.47	-0.24536		
0.53	-0.27990		
0.57	-0.30277		
0.65	-0.30238		
0.71	-0.27556		
0.77	-0.23462		
0.83	-0.18400		
0.89	-0.10247		
0.95	0.00318		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.53376	0.02	-1.76619
0.06	0.33432	0.06	-1.26708
0.11	0.19588	0.11	-0.79362
0.18	0.06574	0.18	-0.68322
0.25	-0.00655	0.25	-0.59662
0.32	-0.06827	0.32	-0.53350
0.39	-0.10815	0.39	-0.45967
0.46	-0.11030	0.46	-0.37922
0.53	-0.10629	0.53	-0.40777
0.60	-0.07073	0.60	-0.22042
0.67	-0.03950	0.67	-0.12825
0.74	-0.00084	0.74	-0.04726
0.81	0.03011	0.81	0.01027
0.88	0.06525	0.88	0.02197
0.95	0.10860	0.95	0.12605

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
27	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.6012	-3.94	-0.01	20.05 418.7	101.19 2113.3	79.26 1655.3	11.09 3.38	306.01 91.14

WING

UPPER SURFACE

X/C	CP
0.02	0.22995
0.06	-0.00617
0.11	-0.11518
0.17	-0.18093
0.23	-0.24765
0.29	-0.26671
0.35	-0.27379
0.41	-0.29302
0.47	-0.32486
0.53	-0.35368
0.57	-0.36092
0.65	-0.34879
0.71	-0.31074
0.77	-0.25891
0.83	-0.19559
0.89	-0.10004
0.95	0.00820

LOWER SURFACE

X/C	CP
0.05	-1.16293
0.10	-0.78539
0.20	-0.64511
0.35	-0.54684
0.50	-0.48316
0.65	-0.12046
0.80	0.14837
0.95	0.25741

HORIZ. TAIL

UPPER SURFACE

X/C	CP
0.02	0.42520
0.06	0.23988
0.11	0.11124
0.18	-0.00617
0.25	-0.06547
0.32	-0.12946
0.39	-0.14731
0.46	-0.14762
0.53	-0.13545
0.60	-0.10038
0.67	-0.06349
0.74	-0.01449
0.81	0.03436
0.88	0.07473
0.95	0.12496

LOWER SURFACE

X/C	CP
0.02	-1.35125
0.06	-0.66234
0.11	-0.64985
0.18	-0.59333
0.25	-0.52355
0.32	-0.47905
0.39	-0.41526
0.46	-0.34900
0.53	-0.37670
0.60	-0.20023
0.67	-0.11350
0.74	-0.03875
0.81	0.02263
0.88	0.03428
0.95	0.13967

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
27	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.5996	-1.72	-0.01	19.97 417.0	101.15 2112.6	79.33 1656.8	11.04 3.37	306.53 92.08

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.14950	0.05	-0.69207
0.06	-0.29921	0.10	-0.55212
0.11	-0.34968	0.20	-0.49150
0.17	-0.40022	0.35	-0.45036
0.23	-0.41379	0.50	-0.42358
0.29	-0.39235	0.65	-0.09264
0.35	-0.40155	0.80	0.18336
0.41	-0.40681	0.95	0.27390
0.47	-0.41869		
0.53	-0.42826		
0.57	-0.43073		
0.65	-0.39735		
0.71	-0.35481		
0.77	-0.28825		
0.83	-0.21465		
0.89	-0.10910		
0.95	0.00513		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.28868	0.02	-0.95474
0.06	0.12245	0.06	-0.55228
0.11	0.01824	0.11	-0.53171
0.18	-0.08740	0.18	-0.50104
0.25	-0.13747	0.25	-0.44667
0.32	-0.18565	0.32	-0.41836
0.39	-0.19857	0.39	-0.37885
0.46	-0.18895	0.46	-0.32445
0.53	-0.16831	0.53	-0.35201
0.60	-0.12078	0.60	-0.18922
0.67	-0.07769	0.67	-0.10559
0.74	-0.02395	0.74	-0.03462
0.81	0.02095	0.81	0.01961
0.88	0.06916	0.88	0.03195
0.95	0.12798	0.95	0.13839

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
27	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.5996	0.43	-0.01	19.97 417.0	101.15 2112.6	79.33 1656.8	11.03 3.36	306.75 92.48

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.59724	0.05	-0.32393
0.06	-0.58752	0.10	-0.30194
0.11	-0.59038	0.20	-0.32810
0.17	-0.58081	0.35	-0.35335
0.23	-0.56251	0.50	-0.36462
0.29	-0.52151	0.65	-0.06802
0.35	-0.50539	0.80	0.20541
0.41	-0.49816	0.95	0.29929
0.47	-0.49677		
0.53	-0.50405		
0.57	-0.49549		
0.65	-0.44428		
0.71	-0.40048		
0.77	-0.32911		
0.83	-0.24335		
0.89	-0.12362		
0.95	-0.00560		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.10571	0.02	-0.59187
0.06	-0.01634	0.06	-0.43214
0.11	-0.08923	0.11	-0.37642
0.18	-0.16350	0.18	-0.41422
0.25	-0.20807	0.25	-0.39479
0.32	-0.25272	0.32	-0.38578
0.39	-0.24931	0.39	-0.34618
0.46	-0.22874	0.46	-0.29976
0.53	-0.19755	0.53	-0.32593
0.60	-0.14641	0.60	-0.17758
0.67	-0.09636	0.67	-0.09470
0.74	-0.03507	0.74	-0.02538
0.81	0.01667	0.81	0.01734
0.88	0.06440	0.88	0.02738
0.95	0.12565	0.95	0.12969

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
27	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.6002	2.59	-0.01	19.99 417.6	101.15 2112.6	79.29 1656.0	11.02 3.36	307.03 92.99

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.37386	0.05	-0.00323
0.06	-1.07552	0.10	-0.08082
0.11	-0.84736	0.20	-0.17327
0.17	-0.79635	0.35	-0.25194
0.23	-0.72865	0.50	-0.29705
0.29	-0.65845	0.65	-0.03891
0.35	-0.62524	0.80	0.22254
0.41	-0.59530	0.95	0.30682
0.47	-0.58169		
0.53	-0.56575		
0.57	-0.55007		
0.65	-0.48790		
0.71	-0.41736		
0.77	-0.33157		
0.83	-0.23525		
0.89	-0.12627		
0.95	-0.01096		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.07112	0.02	-0.30273
0.06	-0.13802	0.06	-0.28335
0.11	-0.18185	0.11	-0.28198
0.18	-0.23488	0.18	-0.32646
0.25	-0.27237	0.25	-0.32924
0.32	-0.30968	0.32	-0.32637
0.39	-0.30540	0.39	-0.30674
0.46	-0.27803	0.46	-0.26905
0.53	-0.23625	0.53	-0.28999
0.60	-0.16938	0.60	-0.16002
0.67	-0.11174	0.67	-0.08181
0.74	-0.04668	0.74	-0.01798
0.81	0.00888	0.81	0.01763
0.88	0.06255	0.88	0.02328
0.95	0.13048	0.95	0.12511

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
27	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.6003	4.91	-0.01	19.99 417.6	101.12 2111.9	79.26 1655.3	11.01 3.36	307.33 93.52

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-2.08103	0.05	0.23869
0.06	-2.02381	0.10	0.10467
0.11	-1.05069	0.20	-0.03732
0.17	-0.96854	0.35	-0.14942
0.23	-0.86644	0.50	-0.21890
0.29	-0.76689	0.65	0.00050
0.35	-0.69924	0.80	0.24404
0.41	-0.65179	0.95	0.31334
0.47	-0.61933		
0.53	-0.59705		
0.57	-0.56831		
0.65	-0.48773		
0.71	-0.41164		
0.77	-0.31988		
0.83	-0.21855		
0.89	-0.10772		
0.95	-0.00884		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.31577	0.02	-0.04780
0.06	-0.27284	0.06	-0.11583
0.11	-0.28800	0.11	-0.16105
0.18	-0.32276	0.18	-0.23388
0.25	-0.32849	0.25	-0.25230
0.32	-0.35015	0.32	-0.26108
0.39	-0.34373	0.39	-0.25385
0.46	-0.30033	0.46	-0.21785
0.53	-0.25111	0.53	-0.23915
0.60	-0.17862	0.60	-0.13934
0.67	-0.11517	0.67	-0.06250
0.74	-0.04341	0.74	-0.00050
0.81	0.00821	0.81	0.03568
0.88	0.06268	0.88	0.03761
0.95	0.12996	0.95	0.12996

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
27	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.5991	7.10	-0.01	19.94 416.4	101.15 2112.6	79.36 1657.5	10.97 3.34	307.91 94.57

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-2.54731	0.05	0.39584
0.06	-2.45148	0.10	0.24527
0.11	-1.95424	0.20	0.06877
0.17	-1.22252	0.35	-0.06688
0.23	-1.00080	0.50	-0.17690
0.29	-0.86686	0.65	0.01760
0.35	-0.77411	0.80	0.25136
0.41	-0.71033	0.95	0.31137
0.47	-0.64871		
0.53	-0.61090		
0.57	-0.57027		
0.65	-0.47808		
0.71	-0.39139		
0.77	-0.30381		
0.83	-0.21410		
0.89	-0.12194		
0.95	-0.04536		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.67759	0.02	0.14984
0.06	-0.45488	0.06	-0.00057
0.11	-0.39008	0.11	-0.06588
0.18	-0.42825	0.18	-0.16651
0.25	-0.40286	0.25	-0.19743
0.32	-0.41183	0.32	-0.21610
0.39	-0.3d234	0.39	-0.22449
0.46	-0.33016	0.46	-0.19743
0.53	-0.27834	0.53	-0.20975
0.60	-0.20069	0.60	-0.12462
0.67	-0.13273	0.67	-0.05770
0.74	-0.05684	0.74	0.00011
0.81	0.00585	0.81	0.03350
0.88	0.06574	0.88	0.03746
0.95	0.13348	0.95	0.12809

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
27	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.5996	9.08	-0.01	19.97 417.0	101.15 2112.6	79.33 1656.8	10.97 3.35	307.93 94.60

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.54353	0.05	0.47096
0.06	-1.42510	0.10	0.28608
0.11	-1.35316	0.20	0.10109
0.17	-1.33083	0.35	-0.05924
0.23	-1.17492	0.50	-0.19484
0.29	-1.01042	0.65	-0.02705
0.35	-0.93025	0.80	0.18699
0.41	-0.79364	0.95	0.21350
0.47	-0.70553		
0.53	-0.61623		
0.57	-0.57757		
0.65	-0.46062		
0.71	-0.46324		
0.77	-0.43208		
0.83	-0.38524		
0.89	-0.33911		
0.95	-0.31034		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.91213	0.02	0.32389
0.06	-0.61035	0.06	0.08489
0.11	-0.50953	0.11	0.00824
0.18	-0.49847	0.18	-0.09118
0.25	-0.47556	0.25	-0.14880
0.32	-0.46866	0.32	-0.18555
0.39	-0.43170	0.39	-0.18008
0.46	-0.37255	0.46	-0.17020
0.53	-0.30550	0.53	-0.18019
0.60	-0.21162	0.60	-0.11298
0.67	-0.14278	0.67	-0.05782
0.74	-0.06293	0.74	-0.00019
0.81	-0.00423	0.81	0.02750
0.88	0.05687	0.88	0.02851
0.95	0.13066	0.95	0.11515

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
27	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.6007	11.12	-0.01	20.02 418.2	101.15 2112.6	79.26 1655.3	10.98 3.35	308.17 95.04

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.01183	0.05	0.49452
0.06	-0.90567	0.10	0.30608
0.11	-0.80960	0.20	0.12772
0.17	-0.82193	0.35	-0.04759
0.23	-0.84381	0.50	-0.21686
0.29	-0.82126	0.65	-0.07713
0.35	-0.75318	0.80	0.13061
0.41	-0.73471	0.95	0.14523
0.47	-0.73130		
0.53	-0.69511		
0.57	-0.68947		
0.65	-0.65333		
0.71	-0.61368		
0.77	-0.60965		
0.83	-0.56970		
0.89	-0.56228		
0.95	-0.48691		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.25714	0.02	0.47969
0.06	-0.66952	0.06	0.23515
0.11	-0.64900	0.11	0.11015
0.18	-0.58798	0.18	-0.00387
0.25	-0.53381	0.25	-0.08711
0.32	-0.52006	0.32	-0.11489
0.39	-0.48018	0.39	-0.13843
0.46	-0.40376	0.46	-0.13866
0.53	-0.32247	0.53	-0.15155
0.60	-0.22854	0.60	-0.08770
0.67	-0.15130	0.67	-0.03522
0.74	-0.06591	0.74	0.01591
0.81	-0.00085	0.81	0.05288
0.88	0.06293	0.88	0.04581
0.95	0.13564	0.95	0.11653

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
27	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.6013	13.13	-0.05	20.05 418.7	101.15 2112.6	79.22 1654.6	10.97 3.35	308.38 95.41

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.57377	0.05	0.56520
0.06	-0.61565	0.10	0.38290
0.11	-0.53326	0.20	0.18600
0.17	-0.56878	0.35	-0.00988
0.23	-0.61432	0.50	-0.19041
0.29	-0.76750	0.65	-0.06296
0.35	-0.54147	0.80	0.12912
0.41	-0.60769	0.95	0.09703
0.47	-0.60513		
0.53	-0.60742		
0.57	-0.59309		
0.65	-0.60213		
0.71	-0.58943		
0.77	-0.60172		
0.83	-0.58417		
0.89	-0.55013		
0.95	-0.53935		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.83046	0.02	0.58834
0.06	-0.90294	0.06	0.34739
0.11	-0.75186	0.11	0.21084
0.18	-0.66737	0.18	0.09335
0.25	-0.60636	0.25	0.01725
0.32	-0.56753	0.32	-0.03251
0.39	-0.49350	0.39	-0.06917
0.46	-0.41196	0.46	-0.07756
0.53	-0.32531	0.53	-0.09639
0.60	-0.22638	0.60	-0.04885
0.67	-0.14623	0.67	-0.01088
0.74	-0.06046	0.74	0.03567
0.81	0.00621	0.81	0.05883
0.88	0.06914	0.88	0.05207
0.95	0.13515	0.95	0.11505

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
27	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.6007	15.17	-0.13	20.02 418.2	101.15 2112.6	79.26 1655.3	10.96 3.34	308.51 95.64

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.49118	0.05	0.63302
0.06	-0.46763	0.10	0.46195
0.11	-0.46641	0.20	0.25918
0.17	-0.48086	0.35	0.04933
0.23	-0.49413	0.50	-0.14704
0.29	-0.49700	0.65	-0.04370
0.35	-0.51248	0.80	0.13066
0.41	-0.51864	0.95	0.09223
0.47	-0.54255		
0.53	-0.55375		
0.57	-0.54546		
0.65	-0.56382		
0.71	-0.57106		
0.77	-0.57858		
0.83	-0.57446		
0.89	-0.55775		
0.95	-0.53454		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.86709	0.02	0.62537
0.06	-1.49964	0.06	0.39122
0.11	-1.00536	0.11	0.25449
0.18	-0.75212	0.18	0.10864
0.25	-0.63919	0.25	0.02820
0.32	-0.57912	0.32	-0.02089
0.39	-0.51448	0.39	-0.05851
0.46	-0.41961	0.46	-0.06490
0.53	-0.33209	0.53	-0.07841
0.60	-0.24489	0.60	-0.03954
0.67	-0.16028	0.67	0.00279
0.74	-0.07774	0.74	0.04799
0.81	-0.00857	0.81	0.04870
0.88	0.05427	0.88	0.04391
0.95	0.11995	0.95	0.10489

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
27	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.5995	17.33	-0.17	19.97 417.0	101.19 2113.3	79.36 1657.5	10.94 3.34	308.60 95.81

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.49791	0.05	0.71278
0.06	-0.50237	0.10	0.52779
0.11	-0.50245	0.20	0.31831
0.17	-0.49289	0.35	0.09597
0.23	-0.50536	0.50	-0.08762
0.29	-0.50780	0.65	-0.01265
0.35	-0.53037	0.80	0.13767
0.41	-0.54098	0.95	0.09745
0.47	-0.55290		
0.53	-0.55581		
0.57	-0.56495		
0.65	-0.57662		
0.71	-0.58827		
0.77	-0.58826		
0.83	-0.58631		
0.89	-0.59162		
0.95	-0.58859		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.81312	0.02	0.64194
0.06	-1.36195	0.06	0.40500
0.11	-1.01229	0.11	0.25303
0.18	-0.79509	0.18	0.11563
0.25	-0.66350	0.25	0.02900
0.32	-0.58464	0.32	-0.02702
0.39	-0.52335	0.39	-0.06419
0.46	-0.42280	0.46	-0.06991
0.53	-0.33774	0.53	-0.08014
0.60	-0.25026	0.60	-0.03909
0.67	-0.16912	0.67	-0.00359
0.74	-0.09618	0.74	0.03678
0.81	-0.03006	0.81	0.04727
0.88	0.02800	0.88	0.03774
0.95	0.08352	0.95	0.09395

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
27	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
22	0.5995	18.29	-0.18	19.97 417.0	101.19 2113.3	79.36 1657.5	10.95 3.34	308.58 95.78

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.50328	0.05	0.72531
0.06	-0.49043	0.10	0.55416
0.11	-0.49362	0.20	0.34902
0.17	-0.49227	0.35	0.13655
0.23	-0.49474	0.50	-0.06902
0.29	-0.52093	0.65	-0.00060
0.35	-0.51195	0.80	0.14996
0.41	-0.52526	0.95	0.09339
0.47	-0.54091		
0.53	-0.56164		
0.57	-0.57503		
0.65	-0.58955		
0.71	-0.57889		
0.77	-0.59627		
0.83	-0.59154		
0.89	-0.58065		
0.95	-0.56574		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.69932	0.02	0.60517
0.06	-1.21142	0.06	0.37380
0.11	-0.93528	0.11	0.21970
0.18	-0.76943	0.18	0.08231
0.25	-0.64471	0.25	0.01447
0.32	-0.57789	0.32	-0.03263
0.39	-0.49727	0.39	-0.05434
0.46	-0.41179	0.46	-0.06540
0.53	-0.32508	0.53	-0.08926
0.60	-0.23045	0.60	-0.04467
0.67	-0.15896	0.67	-0.00998
0.74	-0.09025	0.74	0.02858
0.81	-0.02766	0.81	0.03432
0.88	0.01949	0.88	0.02217
0.95	0.06681	0.95	0.07452

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
27	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
23	0.6001	-1.76	-0.01	19.99 417.6	101.19 2113.3	79.33 1656.8	10.94 3.33	308.92 96.39

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.11135	0.05	-0.66892
0.06	-0.28060	0.10	-0.54299
0.11	-0.32875	0.20	-0.50196
0.17	-0.39041	0.35	-0.46475
0.23	-0.39677	0.50	-0.43458
0.29	-0.38422	0.65	-0.10185
0.35	-0.40146	0.80	0.17741
0.41	-0.40875	0.95	0.27219
0.47	-0.42165		
0.53	-0.43793		
0.57	-0.43671		
0.65	-0.40360		
0.71	-0.36130		
0.77	-0.29758		
0.83	-0.22450		
0.89	-0.11269		
0.95	0.00382		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.28565	0.02	-0.92344
0.06	0.13787	0.06	-0.54223
0.11	0.01830	0.11	-0.52824
0.18	-0.08057	0.18	-0.49749
0.25	-0.14113	0.25	-0.45602
0.32	-0.20044	0.32	-0.43902
0.39	-0.20437	0.39	-0.39577
0.46	-0.19305	0.46	-0.33752
0.53	-0.17605	0.53	-0.36351
0.60	-0.12373	0.60	-0.19534
0.67	-0.08388	0.67	-0.11150
0.74	-0.03202	0.74	-0.04004
0.81	0.02035	0.81	0.01092
0.88	0.06530	0.88	0.02129
0.95	0.12123	0.95	0.12830

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
28	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7789	-6.41	0.00	28.75 600.4	101.08 2111.2	67.70 1414.0	12.54 3.82	314.69 106.78

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.47238	0.05	-1.40830
0.06	0.18333	0.10	-1.40170
0.11	0.03270	0.20	-1.27577
0.17	-0.08366	0.35	-0.71668
0.23	-0.16265	0.50	-0.51710
0.29	-0.20188	0.65	-0.32887
0.35	-0.24532	0.80	-0.14364
0.41	-0.28917	0.95	0.02663
0.47	-0.34933		
0.53	-0.41492		
0.57	-0.44354		
0.65	-0.47489		
0.71	-0.48024		
0.77	-0.40176		
0.83	-0.31206		
0.89	-0.20636		
0.95	-0.11205		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.50853	0.02	-1.60326
0.06	0.31149	0.06	-1.42806
0.11	0.17480	0.11	-1.30953
0.18	0.04494	0.18	-1.11500
0.25	-0.02871	0.25	-0.55590
0.32	-0.11615	0.32	-0.45625
0.39	-0.14851	0.39	-0.40349
0.46	-0.16405	0.46	-0.33119
0.53	-0.15715	0.53	-0.35515
0.60	-0.11842	0.60	-0.17067
0.67	-0.07676	0.67	-0.08164
0.74	-0.02344	0.74	-0.00504
0.81	0.02382	0.81	0.05949
0.88	0.06477	0.88	0.07250
0.95	0.11923	0.95	0.16425

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
28	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.7790	-4.04	-0.01	28.75 600.4	101.05 2110.5	67.67 1413.3	12.50 3.81	315.39 108.03

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.20873	0.05	-1.22711
0.06	-0.04249	0.10	-1.15725
0.11	-0.15758	0.20	-1.07681
0.17	-0.22186	0.35	-0.74983
0.23	-0.29094	0.50	-0.39917
0.29	-0.30297	0.65	-0.06889
0.35	-0.33215	0.80	0.05109
0.41	-0.36781	0.95	0.19046
0.47	-0.42050		
0.53	-0.45571		
0.57	-0.47178		
0.65	-0.45371		
0.71	-0.39754		
0.77	-0.30367		
0.83	-0.20032		
0.89	-0.07062		
0.95	0.05527		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.40797	0.02	-1.38784
0.06	0.22751	0.06	-1.17869
0.11	0.10252	0.11	-0.83159
0.18	-0.02385	0.18	-0.83941
0.25	-0.08764	0.25	-0.53383
0.32	-0.16293	0.32	-0.49157
0.39	-0.19627	0.39	-0.42476
0.46	-0.18975	0.46	-0.33933
0.53	-0.16943	0.53	-0.35128
0.60	-0.13018	0.60	-0.17649
0.67	-0.08185	0.67	-0.08347
0.74	-0.02241	0.74	-0.00360
0.81	0.03828	0.81	0.05725
0.88	0.08706	0.88	0.07631
0.95	0.14788	0.95	0.17827

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
28	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.7794	-1.90	-0.01	28.77 600.9	101.08 2111.2	67.67 1413.3	12.47 3.80	315.99 109.11

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.08968	0.05	-0.79085
0.06	-0.26464	0.10	-0.88718
0.11	-0.36135	0.20	-0.69113
0.17	-0.41606	0.35	-0.69662
0.23	-0.46819	0.50	-0.47266
0.29	-0.46693	0.65	-0.06524
0.35	-0.47057	0.80	0.13808
0.41	-0.47535	0.95	0.26642
0.47	-0.51787		
0.53	-0.56382		
0.57	-0.56305		
0.65	-0.49518		
0.71	-0.40353		
0.77	-0.29810		
0.83	-0.18630		
0.89	-0.05651		
0.95	0.06393		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.30400	0.02	-1.11312
0.06	0.13846	0.06	-0.79868
0.11	0.03250	0.11	-0.73459
0.18	-0.10360	0.18	-0.61740
0.25	-0.15940	0.25	-0.54712
0.32	-0.22428	0.32	-0.50166
0.39	-0.25484	0.39	-0.42441
0.46	-0.24064	0.46	-0.34034
0.53	-0.20807	0.53	-0.35533
0.60	-0.14002	0.60	-0.17157
0.67	-0.08324	0.67	-0.07955
0.74	-0.01751	0.74	-0.00246
0.81	0.03722	0.81	0.05916
0.88	0.09071	0.88	0.07697
0.95	0.15743	0.95	0.18097

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
28	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.7785	0.63	-0.01	28.72 599.9	101.05 2110.5	67.70 1414.0	12.47 3.80	315.84 108.84

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.52813	0.05	-0.33982
0.06	-0.66178	0.10	-0.38991
0.11	-0.73404	0.20	-0.41857
0.17	-0.74732	0.35	-0.48562
0.23	-0.78906	0.50	-0.47880
0.29	-0.76005	0.65	-0.05687
0.35	-0.57746	0.80	0.20435
0.41	-0.59930	0.95	0.30774
0.47	-0.64373		
0.53	-0.68217		
0.57	-0.65114		
0.65	-0.51557		
0.71	-0.40760		
0.77	-0.29476		
0.83	-0.18079		
0.89	-0.05624		
0.95	0.05170		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.15134	0.02	-0.67891
0.06	0.03629	0.06	-0.52386
0.11	-0.06633	0.11	-0.45985
0.18	-0.17537	0.18	-0.50160
0.25	-0.23274	0.25	-0.45258
0.32	-0.29664	0.32	-0.42503
0.39	-0.30987	0.39	-0.38572
0.46	-0.28435	0.46	-0.31883
0.53	-0.23906	0.53	-0.34052
0.60	-0.16281	0.60	-0.16560
0.67	-0.09621	0.67	-0.07492
0.74	-0.02384	0.74	-0.00015
0.81	0.04153	0.81	0.05886
0.88	0.10122	0.88	0.07109
0.95	0.17280	0.95	0.17537

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
28	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.7801	3.05	-0.01	28.80 601.4	101.05 2110.5	67.60 1411.9	12.44 3.79	316.62 110.25

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.88818	0.05	-0.03167
0.06	-1.09780	0.10	-0.12049
0.11	-1.17854	0.20	-0.22745
0.17	-1.14935	0.35	-0.34627
0.23	-1.15832	0.50	-0.40536
0.29	-1.17483	0.65	-0.03665
0.35	-1.12518	0.80	0.24235
0.41	-1.08625	0.95	0.33257
0.47	-1.00814		
0.53	-0.58938		
0.57	-0.48846		
0.65	-0.41025		
0.71	-0.34309		
0.77	-0.25101		
0.83	-0.15964		
0.89	-0.05427		
0.95	0.03508		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.02639	0.02	-0.29638
0.06	-0.09301	0.06	-0.29120
0.11	-0.18259	0.11	-0.32679
0.18	-0.27663	0.18	-0.39095
0.25	-0.30344	0.25	-0.38729
0.32	-0.37015	0.32	-0.39472
0.39	-0.36353	0.39	-0.35284
0.46	-0.31984	0.46	-0.28981
0.53	-0.26234	0.53	-0.31706
0.60	-0.17835	0.60	-0.15674
0.67	-0.10295	0.67	-0.06760
0.74	-0.02425	0.74	0.00455
0.81	0.04033	0.81	0.05997
0.88	0.10386	0.88	0.07238
0.95	0.17444	0.95	0.17351

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
28	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.7795	5.15	-0.01	28.77 600.9	101.05 2110.5	67.64 1412.6	12.44 3.79	316.62 110.25

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.06450	0.05	0.13515
0.06	-1.30530	0.10	0.00151
0.11	-1.34273	0.20	-0.12281
0.17	-1.32732	0.35	-0.26989
0.23	-1.31386	0.50	-0.39719
0.29	-0.87757	0.65	-0.07098
0.35	-0.75701	0.80	0.19964
0.41	-0.69520	0.95	0.25567
0.47	-0.65822		
0.53	-0.60652		
0.57	-0.56887		
0.65	-0.47740		
0.71	-0.43278		
0.77	-0.38101		
0.83	-0.32745		
0.89	-0.27741		
0.95	-0.24844		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.30299	0.02	-0.05714
0.06	-0.27805	0.06	-0.13738
0.11	-0.30053	0.11	-0.18656
0.18	-0.37393	0.18	-0.27973
0.25	-0.38934	0.25	-0.30790
0.32	-0.43515	0.32	-0.31399
0.39	-0.42161	0.39	-0.28532
0.46	-0.36065	0.46	-0.25561
0.53	-0.28706	0.53	-0.27499
0.60	-0.19670	0.60	-0.13971
0.67	-0.11633	0.67	-0.05988
0.74	-0.03313	0.74	0.01038
0.81	0.04106	0.81	0.05534
0.88	0.10681	0.88	0.06641
0.95	0.17908	0.95	0.16693

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
28	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.7785	7.43	-0.01	28.72 599.9	101.05 2110.5	67.70 1414.0	12.39 3.78	317.44 111.73

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.29912	0.05	0.28942
0.06	-1.41726	0.10	0.12405
0.11	-1.33939	0.20	-0.03415
0.17	-1.16430	0.35	-0.20477
0.23	-0.87826	0.50	-0.37116
0.29	-0.80908	0.65	-0.08176
0.35	-0.76750	0.80	0.19204
0.41	-0.70005	0.95	0.23328
0.47	-0.67036		
0.53	-0.63825		
0.57	-0.61915		
0.65	-0.55808		
0.71	-0.51365		
0.77	-0.48602		
0.83	-0.47596		
0.89	-0.43787		
0.95	-0.39541		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.61454	0.02	0.18510
0.06	-0.49388	0.06	0.02481
0.11	-0.43838	0.11	-0.07115
0.18	-0.51737	0.18	-0.17404
0.25	-0.52000	0.25	-0.21744
0.32	-0.53859	0.32	-0.24166
0.39	-0.48320	0.39	-0.23912
0.46	-0.38802	0.46	-0.20796
0.53	-0.30383	0.53	-0.21985
0.60	-0.20309	0.60	-0.12173
0.67	-0.11713	0.67	-0.04917
0.74	-0.02870	0.74	0.01386
0.81	0.04383	0.81	0.05880
0.88	0.11299	0.88	0.07007
0.95	0.18550	0.95	0.16145

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
28	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.7811	9.38	-0.03	28.84 602.4	101.05 2110.5	67.54 1410.5	12.39 3.78	317.99 112.71

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.01518	0.05	0.39126
0.06	-0.79483	0.10	0.22166
0.11	-0.73248	0.20	0.03878
0.17	-0.72638	0.35	-0.15050
0.23	-0.77731	0.50	-0.33203
0.29	-0.69383	0.65	-0.08379
0.35	-0.69692	0.80	0.17625
0.41	-0.64105	0.95	0.20975
0.47	-0.63459		
0.53	-0.64913		
0.57	-0.61338		
0.65	-0.61284		
0.71	-0.60413		
0.77	-0.58525		
0.83	-0.56540		
0.89	-0.55635		
0.95	-0.55182		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.03003	0.02	0.37407
0.06	-0.76463	0.06	0.15164
0.11	-0.55985	0.11	0.03533
0.18	-0.66259	0.18	-0.08707
0.25	-0.61361	0.25	-0.12990
0.32	-0.60983	0.32	-0.16670
0.39	-0.49882	0.39	-0.19146
0.46	-0.39089	0.46	-0.16771
0.53	-0.30091	0.53	-0.18544
0.60	-0.19633	0.60	-0.10354
0.67	-0.10753	0.67	-0.03583
0.74	-0.02045	0.74	0.02368
0.81	0.05314	0.81	0.07135
0.88	0.11999	0.88	0.07485
0.95	0.18767	0.95	0.15552

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
28	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.7797	11.33	-0.08	28.77 600.9	101.02 2109.8	67.60 1411.9	12.36 3.77	318.08 112.88

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.60061	0.05	0.47672
0.06	-0.58228	0.10	0.31382
0.11	-0.54769	0.20	0.11623
0.17	-0.55823	0.35	-0.08400
0.23	-0.55728	0.50	-0.29257
0.29	-0.56976	0.65	-0.07953
0.35	-0.58035	0.80	0.17925
0.41	-0.57557	0.95	0.20020
0.47	-0.57696		
0.53	-0.58734		
0.57	-0.59038		
0.65	-0.58742		
0.71	-0.59269		
0.77	-0.58575		
0.83	-0.58045		
0.89	-0.56359		
0.95	-0.53367		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.33638	0.02	0.49094
0.06	-1.23085	0.06	0.28069
0.11	-0.80231	0.11	0.15704
0.18	-0.75126	0.18	0.03527
0.25	-0.73574	0.25	-0.03347
0.32	-0.67663	0.32	-0.08214
0.39	-0.50515	0.39	-0.12213
0.46	-0.39132	0.46	-0.11772
0.53	-0.29424	0.53	-0.13441
0.60	-0.18779	0.60	-0.06066
0.67	-0.10106	0.67	-0.00963
0.74	-0.01593	0.74	0.04619
0.81	0.05284	0.81	0.07556
0.88	0.11833	0.88	0.07815
0.95	0.18346	0.95	0.14885

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
28	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.7795	13.54	0.01	28.77 600.9	101.05 2110.5	67.64 1412.6	12.35 3.77	318.34 113.35

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.48639	0.05	0.58168
0.06	-1.41786	0.10	0.41353
0.11	-1.30459	0.20	0.20636
0.17	-1.29563	0.35	-0.00573
0.23	-1.27553	0.50	-0.22002
0.29	-1.27298	0.65	-0.04256
0.35	-1.22250	0.80	0.19053
0.41	-1.07496	0.95	0.21409
0.47	-0.79029		
0.53	-0.58500		
0.57	-0.59351		
0.65	-0.58114		
0.71	-0.56893		
0.77	-0.59768		
0.83	-0.61367		
0.89	-0.61737		
0.95	-0.59861		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.42281	0.02	0.54102
0.06	-1.34464	0.06	0.32398
0.11	-1.18351	0.11	0.19615
0.18	-0.82986	0.18	0.05824
0.25	-0.82801	0.25	-0.02217
0.32	-0.73684	0.32	-0.06987
0.39	-0.50045	0.39	-0.11613
0.46	-0.38152	0.46	-0.11948
0.53	-0.28809	0.53	-0.12564
0.60	-0.18321	0.60	-0.06839
0.67	-0.10048	0.67	-0.00850
0.74	-0.01897	0.74	0.04820
0.81	0.05050	0.81	0.06574
0.88	0.11165	0.88	0.06582
0.95	0.17276	0.95	0.13205

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
28	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.7792	15.64	-0.03	28.75 600.4	101.02 2109.8	67.64 1412.6	12.32 3.76	318.91 114.36

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.49249	0.05	0.66396
0.06	-1.48016	0.10	0.49344
0.11	-1.45840	0.20	0.27938
0.17	-1.54819	0.35	0.05672
0.23	-0.86741	0.50	-0.15583
0.29	-0.47323	0.65	-0.01803
0.35	-0.46692	0.80	0.20555
0.41	-0.49429	0.95	0.20972
0.47	-0.49694		
0.53	-0.52774		
0.57	-0.52812		
0.65	-0.53018		
0.71	-0.53660		
0.77	-0.55338		
0.83	-0.56947		
0.89	-0.57598		
0.95	-0.60738		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.47548	0.02	0.57738
0.06	-1.40925	0.06	0.35423
0.11	-1.27081	0.11	0.22076
0.18	-0.94627	0.18	0.08850
0.25	-0.82384	0.25	0.01085
0.32	-0.70941	0.32	-0.05713
0.39	-0.51749	0.39	-0.08405
0.46	-0.40367	0.46	-0.08617
0.53	-0.31214	0.53	-0.10711
0.60	-0.21385	0.60	-0.05446
0.67	-0.12765	0.67	-0.00482
0.74	-0.03969	0.74	0.04619
0.81	0.02214	0.81	0.06810
0.88	0.08547	0.88	0.06371
0.95	0.13886	0.95	0.12411

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
28	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.7785	17.85	-0.04	28.72 599.9	101.05 2110.5	67.70 1414.0	12.30 3.75	319.18 114.86

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.47612	0.05	0.73354
0.06	-1.47197	0.10	0.56209
0.11	-1.52764	0.20	0.36620
0.17	-1.68344	0.35	0.14997
0.23	-0.85296	0.50	-0.07758
0.29	-0.50916	0.65	0.03684
0.35	-0.50574	0.80	0.22631
0.41	-0.51156	0.95	0.22067
0.47	-0.52312		
0.53	-0.51321		
0.57	-0.53128		
0.65	-0.52638		
0.71	-0.55099		
0.77	-0.56954		
0.83	-0.57174		
0.89	-0.59390		
0.95	-0.61199		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.35135	0.02	0.50694
0.06	-1.32771	0.06	0.29480
0.11	-1.11401	0.11	0.16027
0.18	-0.95303	0.18	0.02638
0.25	-0.76947	0.25	-0.02916
0.32	-0.63130	0.32	-0.07739
0.39	-0.49525	0.39	-0.07758
0.46	-0.39653	0.46	-0.07995
0.53	-0.30677	0.53	-0.12787
0.60	-0.20887	0.60	-0.02627
0.67	-0.13213	0.67	0.02420
0.74	-0.06599	0.74	0.04318
0.81	-0.01927	0.81	0.05923
0.88	0.02982	0.88	0.04129
0.95	0.07948	0.95	0.09283

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
28	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.7799	19.04	-0.05	28.80 601.4	101.08 2111.2	67.64 1412.6	12.33 3.76	319.02 114.56

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.45401	0.05	0.76137
0.06	-1.45018	0.10	0.61148
0.11	-1.52518	0.20	0.40327
0.17	-1.58521	0.35	0.18616
0.23	-0.97371	0.50	-0.03667
0.29	-0.59247	0.65	0.05870
0.35	-0.54052	0.80	0.23945
0.41	-0.54442	0.95	0.23137
0.47	-0.53605		
0.53	-0.53564		
0.57	-0.53332		
0.65	-0.53187		
0.71	-0.55564		
0.77	-0.55089		
0.83	-0.56020		
0.89	-0.60914		
0.95	-0.62583		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.20744	0.02	0.42610
0.06	-1.12474	0.06	0.21021
0.11	-0.96398	0.11	0.08542
0.18	-0.77430	0.18	-0.00759
0.25	-0.64295	0.25	-0.06517
0.32	-0.55091	0.32	-0.08816
0.39	-0.45957	0.39	-0.08156
0.46	-0.35892	0.46	-0.07882
0.53	-0.28645	0.53	-0.14667
0.60	-0.20113	0.60	-0.01736
0.67	-0.13456	0.67	0.04656
0.74	-0.07423	0.74	-0.02802
0.81	-0.01876	0.81	0.04412
0.88	0.02345	0.88	0.02462
0.95	0.06438	0.95	0.06625

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
28	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.7811	-1.79	-0.01	28.84 602.4	101.05 2110.5	67.54 1410.5	12.35 3.76	318.76 114.09

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.11701	0.05	-0.79345
0.06	-0.27969	0.10	-0.85951
0.11	-0.37638	0.20	-0.67544
0.17	-0.43446	0.35	-0.68257
0.23	-0.46567	0.50	-0.47304
0.29	-0.45200	0.65	-0.07038
0.35	-0.47513	0.80	0.12413
0.41	-0.49131	0.95	0.26438
0.47	-0.53040		
0.53	-0.56693		
0.57	-0.56778		
0.65	-0.50280		
0.71	-0.40867		
0.77	-0.29840		
0.83	-0.18524		
0.89	-0.05613		
0.95	0.06425		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.31675	0.02	-1.07587
0.06	0.13887	0.06	-0.83023
0.11	0.01228	0.11	-0.74010
0.18	-0.09308	0.18	-0.61433
0.25	-0.16464	0.25	-0.54768
0.32	-0.23047	0.32	-0.49561
0.39	-0.26319	0.39	-0.41750
0.46	-0.25151	0.46	-0.33652
0.53	-0.22629	0.53	-0.34831
0.60	-0.14374	0.60	-0.17255
0.67	-0.08493	0.67	-0.07503
0.74	-0.01845	0.74	-0.01451
0.81	0.03849	0.81	0.05346
0.88	0.09480	0.88	0.07405
0.95	0.15986	0.95	0.17550

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
29	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8501	-6.31	-0.01	31.86 665.4	101.02 2109.8	62.98 1315.3	12.70 3.87	321.67 119.34

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.43552	0.05	-1.12646
0.06	0.15563	0.10	-1.14132
0.11	0.01191	0.20	-1.03673
0.17	-0.09329	0.35	-0.53226
0.23	-0.17267	0.50	-0.47768
0.29	-0.20402	0.65	-0.43490
0.35	-0.24974	0.80	-0.38775
0.41	-0.29689	0.95	-0.33427
0.47	-0.36719		
0.53	-0.45035		
0.57	-0.50223		
0.65	-0.57735		
0.71	-0.66756		
0.77	-0.73728		
0.83	-0.79507		
0.89	-0.83978		
0.95	-0.45414		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.48122	0.02	-1.30113
0.06	0.30654	0.06	-1.19482
0.11	0.16899	0.11	-1.14450
0.18	0.03309	0.18	-1.07529
0.25	-0.05369	0.25	-0.93426
0.32	-0.15179	0.32	-0.95132
0.39	-0.21042	0.39	-0.43352
0.46	-0.22537	0.46	-0.29145
0.53	-0.21975	0.53	-0.29525
0.60	-0.17194	0.60	-0.14670
0.67	-0.11851	0.67	-0.06519
0.74	-0.05279	0.74	-0.01651
0.81	0.00622	0.81	0.02992
0.88	0.05559	0.88	0.05833
0.95	0.11114	0.95	0.15421

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
29	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.8511	-4.00	-0.02	31.90 666.2	101.02 2109.8	62.91 1313.9	12.72 3.88	321.48 119.00

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.20926	0.05	-0.93321
0.06	-0.03605	0.10	-0.92218
0.11	-0.15494	0.20	-0.90784
0.17	-0.25638	0.35	-0.92213
0.23	-0.32443	0.50	-0.40438
0.29	-0.34188	0.65	-0.33964
0.35	-0.36916	0.80	-0.28375
0.41	-0.41194	0.95	-0.13898
0.47	-0.46399		
0.53	-0.53834		
0.57	-0.58009		
0.65	-0.65218		
0.71	-0.74147		
0.77	-0.79845		
0.83	-0.40753		
0.89	-0.23982		
0.95	-0.18045		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.38012	0.02	-1.15152
0.06	0.21221	0.06	-0.99140
0.11	0.08147	0.11	-0.91418
0.18	-0.04695	0.18	-0.77166
0.25	-0.12919	0.25	-0.84513
0.32	-0.22353	0.32	-0.85731
0.39	-0.27168	0.39	-0.39453
0.46	-0.27317	0.46	-0.26296
0.53	-0.25092	0.53	-0.29713
0.60	-0.17630	0.60	-0.13123
0.67	-0.10648	0.67	-0.04710
0.74	-0.02927	0.74	0.00570
0.81	0.03124	0.81	0.07216
0.88	0.08645	0.88	0.09212
0.95	0.15367	0.95	0.18735

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
29	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.8516	-1.85	-0.01	31.92 666.7	101.02 2109.8	62.88 1313.3	12.67 3.86	322.55 120.92

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.02568	0.05	-0.60911
0.06	-0.23842	0.10	-0.74924
0.11	-0.34358	0.20	-0.69763
0.17	-0.41826	0.35	-0.57786
0.23	-0.51612	0.50	-0.56462
0.29	-0.53759	0.65	-0.23424
0.35	-0.51142	0.80	-0.20285
0.41	-0.53828	0.95	-0.09191
0.47	-0.55332		
0.53	-0.61046		
0.57	-0.65915		
0.65	-0.71650		
0.71	-0.78477		
0.77	-0.29990		
0.83	-0.17139		
0.89	-0.09381		
0.95	-0 03266		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.28329	0.02	-0.94585
0.06	0.13041	0.06	-0.71645
0.11	0.00357	0.11	-0.64812
0.18	-0.12577	0.18	-0.72274
0.25	-0.20036	0.25	-0.74363
0.32	-0.29073	0.32	-0.74355
0.39	-0.32406	0.39	-0.36233
0.46	-0.30784	0.46	-0.27982
0.53	-0.25990	0.53	-0.30918
0.60	-0.17518	0.60	-0.13628
0.67	-0.10041	0.67	-0.04688
0.74	-0.02058	0.74	0.00906
0.81	0.04907	0.81	0.07954
0.88	0.10847	0.88	0.09749
0.95	0.18071	0.95	0.19676

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
29	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.8506	0.45	-0.01	31.88 665.8	101.02 2109.8	62.94 1314.6	12.68 3.86	322.25 120.38

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.31135	0.05	-0.32589
0.06	-0.50296	0.10	-0.41417
0.11	-0.68764	0.20	-0.47749
0.17	-0.67249	0.35	-0.51891
0.23	-0.68955	0.50	-0.83008
0.29	-0.71904	0.65	-0.23914
0.35	-0.70921	0.80	-0.18522
0.41	-0.74381	0.95	-0.02471
0.47	-0.77243		
0.53	-0.81560		
0.57	-0.85506		
0.65	-0.46657		
0.71	-0.27610		
0.77	-0.21889		
0.83	-0.16449		
0.89	-0.10319		
0.95	-0.04962		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.13540	0.02	-0.56358
0.06	0.00996	0.06	-0.44744
0.11	-0.08096	0.11	-0.49463
0.18	-0.20853	0.18	-0.58058
0.25	-0.26398	0.25	-0.62025
0.32	-0.37488	0.32	-0.62316
0.39	-0.40662	0.39	-0.34115
0.46	-0.34997	0.46	-0.28464
0.53	-0.27356	0.53	-0.31668
0.60	-0.16740	0.60	-0.13823
0.67	-0.08970	0.67	-0.04294
0.74	-0.00644	0.74	0.01692
0.81	0.06214	0.81	0.08367
0.88	0.12603	0.88	0.10012
0.95	0.19773	0.95	0.20426

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
29	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.8506	2.97	-0.01	31.88 665.8	101.02 2109.8	62.94 1314.6	12.65 3.88	322.76 121.29

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.59361	0.05	-0.08131
0.06	-0.83569	0.10	-0.19470
0.11	-0.91279	0.20	-0.28348
0.17	-0.93781	0.35	-0.41319
0.23	-0.96514	0.50	-0.75250
0.29	-0.99205	0.65	-0.22636
0.35	-0.99734	0.80	-0.10683
0.41	-0.84799	0.95	0.08547
0.47	-0.47739		
0.53	-0.42759		
0.57	-0.41668		
0.65	-0.39709		
0.71	-0.37560		
0.77	-0.35143		
0.83	-0.33352		
0.89	-0.29804		
0.95	-0.26555		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.05698	0.02	-0.24459
0.06	-0.12630	0.06	-0.29223
0.11	-0.19717	0.11	-0.31470
0.18	-0.32047	0.18	-0.44205
0.25	-0.37645	0.25	-0.47860
0.32	-0.48158	0.32	-0.44791
0.39	-0.56678	0.39	-0.35359
0.46	-0.36707	0.46	-0.29369
0.53	-0.27203	0.53	-0.31553
0.60	-0.16724	0.60	-0.13831
0.67	-0.08252	0.67	-0.04375
0.74	0.00447	0.74	0.00847
0.81	0.07240	0.81	0.08315
0.88	0.13576	0.88	0.09830
0.95	0.20740	0.95	0.20172

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
29	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.8501	5.06	-0.01	31.86 665.4	101.02 2109.8	62.98 1315.3	12.65 3.86	322.64 121.09

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.75171	0.05	0.10351
0.06	-0.99526	0.10	-0.03337
0.11	-1.05814	0.20	-0.16407
0.17	-1.05730	0.35	-0.33391
0.23	-0.98902	0.50	-0.68745
0.29	-0.64039	0.65	-0.18925
0.35	-0.56145	0.80	0.02492
0.41	-0.53783	0.95	0.19113
0.47	-0.52786		
0.53	-0.50724		
0.57	-0.49226		
0.65	-0.47191		
0.71	-0.45366		
0.77	-0.43524		
0.83	-0.41387		
0.89	-0.41158		
0.95	-0.38279		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.26695	0.02	0.01296
0.06	-0.27791	0.06	-0.10892
0.11	-0.31554	0.11	-0.19090
0.18	-0.40719	0.18	-0.31216
0.25	-0.44980	0.25	-0.33597
0.32	-0.54059	0.32	-0.33287
0.39	-0.66380	0.39	-0.31175
0.46	-0.60339	0.46	-0.26126
0.53	-0.24539	0.53	-0.29090
0.60	-0.14179	0.60	-0.12651
0.67	-0.06688	0.67	-0.03400
0.74	0.01189	0.74	0.01735
0.81	0.07972	0.81	0.09257
0.88	0.14442	0.88	0.10661
0.95	0.21490	0.95	0.20628

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
29	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.8511	7.44	-0.01	31.90 666.2	101.02 2109.8	62.91 1313.9	12.62 3.85	323.47 122.57

WING

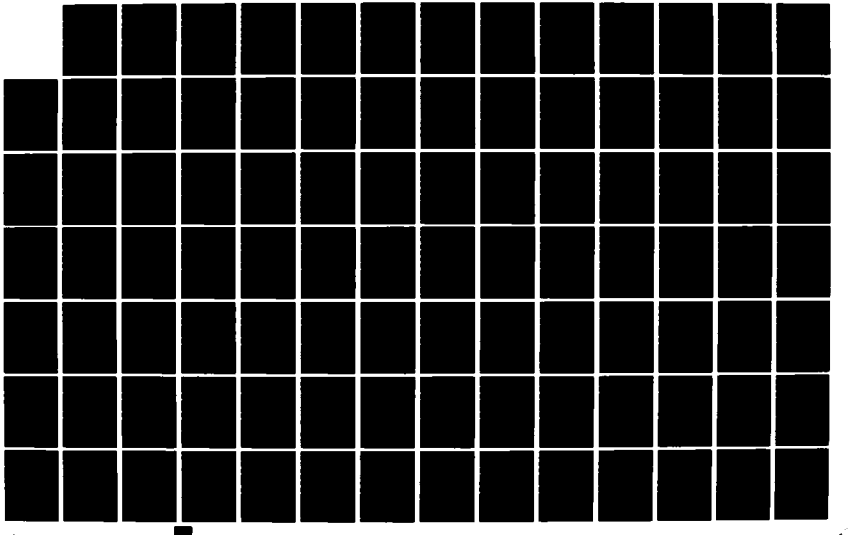
UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.96528	0.05	0.25167
0.06	-1.14140	0.10	0.10637
0.11	-1.20169	0.20	-0.05587
0.17	-1.11732	0.35	-0.24289
0.23	-0.76914	0.50	-0.61905
0.29	-0.66387	0.65	-0.12194
0.35	-0.65219	0.80	0.15488
0.41	-0.62511	0.95	0.21799
0.47	-0.59823		
0.53	-0.58676		
0.57	-0.58196		
0.65	-0.57085		
0.71	-0.54188		
0.77	-0.53861		
0.83	-0.52591		
0.89	-0.51420		
0.95	-0.50797		

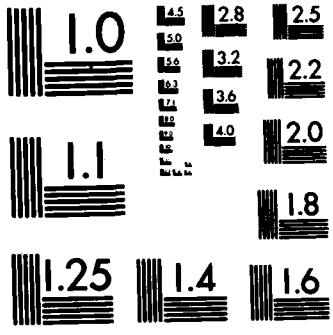
HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.60186	0.02	0.20828
0.06	-0.50588	0.06	0.04146
0.11	-0.42516	0.11	-0.04578
0.18	-0.55027	0.18	-0.17321
0.25	-0.55987	0.25	-0.21053
0.32	-0.62645	0.32	-0.24728
0.39	-0.72747	0.39	-0.25080
0.46	-0.77039	0.46	-0.22658
0.53	-0.20846	0.53	-0.25940
0.60	-0.14092	0.60	-0.11533
0.67	-0.05795	0.67	-0.02710
0.74	0.02126	0.74	0.01748
0.81	0.08885	0.81	0.08126
0.88	0.15317	0.88	0.09153
0.95	0.21758	0.95	0.18896

AD-A124 868 FORCE AND PRESSURE MEASUREMENTS ON A RESEARCH MODEL WITH A LOW- MID- AND..(U) GENERAL DYNAMICS FORT WORTH TX FORT WORTH DIV R A COX DEC 82 FZA-540-VOL-2 6/9

UNCLASSIFIED N00014-82-C-0340 F/G 1/3 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
29	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.8486	9.41	-0.02	31.80 664.1	101.02 2109.8	63.08 1317.4	12.58 3.83	323.95 123.44

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.86341	0.05	0.37405
0.06	-0.74258	0.10	0.22765
0.11	-0.65847	0.20	0.04176
0.17	-0.67941	0.35	-0.16798
0.23	-0.64874	0.50	-0.50909
0.29	-0.64065	0.65	-0.09051
0.35	-0.61654	0.80	0.19357
0.41	-0.61698	0.95	0.24479
0.47	-0.60982		
0.53	-0.56902		
0.57	-0.58061		
0.65	-0.59577		
0.71	-0.61549		
0.77	-0.61510		
0.83	-0.59766		
0.89	-0.58521		
0.95	-0.57100		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.86256	0.02	0.32688
0.06	-0.75847	0.06	0.12318
0.11	-0.50979	0.11	0.03567
0.18	-0.61864	0.18	-0.07907
0.25	-0.68532	0.25	-0.14255
0.32	-0.72935	0.32	-0.18811
0.39	-0.80852	0.39	-0.21743
0.46	-0.85273	0.46	-0.19710
0.53	-0 31205	0.53	-0.22020
0.60	-0.16024	0.60	-0.10494
0.67	-0.05958	0.67	-0.02279
0.74	0.02469	0.74	0.01899
0.81	0.08315	0.81	0.08293
0.88	0.14808	0.88	0.09302
0.95	0.21172	0.95	0.18533

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
29	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.8491	11.48	0.00	31.82 664.5	101.02 2109.8	63.04 1316.7	12.59 3.84	323.92 123.38

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.61019	0.05	0.48330
0.06	-0.56878	0.10	0.32479
0.11	-0.55968	0.20	0.13808
0.17	-0.59716	0.35	-0.08832
0.23	-0.56335	0.50	-0.39245
0.29	-0.58295	0.65	-0.07276
0.35	-0.54462	0.80	0.21060
0.41	-0.55060	0.95	0.25881
0.47	-0.56848		
0.53	-0.58371		
0.57	-0.60304		
0.65	-0.59029		
0.71	-0.59212		
0.77	-0.58319		
0.83	-0.58190		
0.89	-0.57236		
0.95	-0.57254		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.03496	0.02	0.42799
0.06	-1.02217	0.06	0.22855
0.11	-0.86413	0.11	0.10887
0.18	-0.65265	0.18	-0.01455
0.25	-0.73091	0.25	-0.09804
0.32	-0.77690	0.32	-0.15542
0.39	-0.87334	0.39	-0.16756
0.46	-0.70605	0.46	-0.15633
0.53	-0.30890	0.53	-0.19064
0.60	-0.21211	0.60	-0.08685
0.67	-0.11496	0.67	-0.01238
0.74	-0.01745	0.74	0.02085
0.81	0.05706	0.81	0.07842
0.88	0.13345	0.88	0.08431
0.95	0.19921	0.95	0.16544

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
29	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.8526	13.88	-0.04	31.96 667.5	101.02 2109.8	62.81 1311.9	12.60 3.84	323.93 123.41

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.31017	0.05	0.60178
0.06	-1.23409	0.10	0.43458
0.11	-1.18573	0.20	0.23719
0.17	-1.19692	0.35	0.01948
0.23	-1.18386	0.50	-0.23101
0.29	-1.16564	0.65	-0.01620
0.35	-0.92493	0.80	0.24419
0.41	-0.58710	0.95	0.28054
0.47	-0.50998		
0.53	-0.53299		
0.57	-0.53020		
0.65	-0.55726		
0.71	-0.57283		
0.77	-0.56793		
0.83	-0.57525		
0.89	-0.59989		
0.95	-0.62504		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.10151	0.02	0.48817
0.06	-1.10132	0.06	0.28285
0.11	-1.01292	0.11	0.15700
0.18	-0.85384	0.18	0.02438
0.25	-0.80555	0.25	-0.06101
0.32	-0.83300	0.32	-0.11541
0.39	-0.88886	0.39	-0.15006
0.46	-0.48434	0.46	-0.15105
0.53	-0.32901	0.53	-0.17252
0.60	-0.24485	0.60	-0.08379
0.67	-0.16627	0.67	-0.01786
0.74	-0.09009	0.74	0.01506
0.81	-0.00031	0.81	0.07080
0.88	0.07268	0.88	0.07415
0.95	0.13847	0.95	0.15026

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
29	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.8488	15.88	-0.04	31.79 664.0	100.98 2109.1	63.04 1316.7	12.58 3.83	323.99 123.51

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.22142	0.05	0.68729
0.06	-1.17558	0.10	0.52110
0.11	-1.12168	0.20	0.31751
0.17	-1.19221	0.35	0.09301
0.23	-1.20420	0.50	-0.13430
0.29	-0.81738	0.65	0.02759
0.35	-0.53477	0.80	0.26389
0.41	-0.53193	0.95	0.28876
0.47	-0.53257		
0.53	-0.55116		
0.57	-0.52900		
0.65	-0.52649		
0.71	-0.59234		
0.77	-0.60254		
0.83	-0.58811		
0.89	-0.60705		
0.95	-0.61508		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.11510	0.02	0.49256
0.06	-1.11353	0.06	0.28567
0.11	-1.04121	0.11	0.14659
0.18	-0.89700	0.18	0.01541
0.25	-0.84195	0.25	-0.06021
0.32	-0.84903	0.32	-0.10986
0.39	-0.82893	0.39	-0.12190
0.46	-0.44899	0.46	-0.11745
0.53	-0.34144	0.53	-0.16561
0.60	-0.24881	0.60	-0.05067
0.67	-0.18263	0.67	0.00861
0.74	-0.11174	0.74	0.03520
0.81	-0.04395	0.81	0.08094
0.88	0.03771	0.88	0.07461
0.95	0.10841	0.95	0.13878

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
29	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.8503	18.06	-0.02	31.85 665.3	100.98 2109.1	62.94 1314.6	12.55 3.83	324.66 124.72

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.24897	0.05	0.76046
0.06	-1.23621	0.10	0.59532
0.11	-1.20569	0.20	0.40230
0.17	-1.32266	0.35	0.18688
0.23	-1.21810	0.50	-0.05015
0.29	-0.66907	0.65	0.08347
0.35	-0.59084	0.80	0.29235
0.41	-0.52431	0.95	0.30255
0.47	-0.50856		
0.53	-0.50460		
0.57	-0.50849		
0.65	-0.52213		
0.71	-0.56405		
0.77	-0.54096		
0.83	-0.54968		
0.89	-0.56154		
0.95	-0.57925		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.97894	0.02	0.43903
0.06	-0.99627	0.06	0.17526
0.11	-0.93623	0.11	0.05703
0.18	-0.88579	0.18	-0.03319
0.25	-0.83479	0.25	-0.08731
0.32	-0.78136	0.32	-0.12076
0.39	-0.65071	0.39	-0.13827
0.46	-0.42900	0.46	-0.11041
0.53	-0.32468	0.53	-0.18066
0.60	-0.24440	0.60	-0.04387
0.67	-0.17908	0.67	0.00618
0.74	-0.10865	0.74	0.03623
0.81	-0.02942	0.81	0.05822
0.88	0.03055	0.88	0.04735
0.95	0.06039	0.95	0.10956

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
29	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.8513	19.13	-0.04	31.90 666.2	100.98 2109.1	62.88 1313.2	12.53 3.82	325.18 125.66

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.28220	0.05	0.79459
0.06	-1.26775	0.10	0.63317
0.11	-1.27912	0.20	0.43942
0.17	-1.38806	0.35	0.22264
0.23	-1.18713	0.50	-0.00209
0.29	-0.65660	0.65	0.10828
0.35	-0.55254	0.80	0.30513
0.41	-0.54618	0.95	0.30963
0.47	-0.53201		
0.53	-0.51271		
0.57	-0.50243		
0.65	-0.50442		
0.71	-0.50810		
0.77	-0.56951		
0.83	-0.56838		
0.89	-0.53828		
0.95	-0.55576		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.87534	0.02	0.35392
0.06	-0.95237	0.06	0.15937
0.11	-0.87693	0.11	0.04378
0.18	-0.88037	0.18	-0.06686
0.25	-0.79052	0.25	-0.11978
0.32	-0.72809	0.32	-0.14465
0.39	-0.59404	0.39	-0.15469
0.46	-0.40703	0.46	-0.13144
0.53	-0.31481	0.53	-0.19880
0.60	-0.22239	0.60	-0.05072
0.67	-0.14977	0.67	-0.00562
0.74	-0.11518	0.74	0.02526
0.81	-0.04695	0.81	0.04493
0.88	-0.00625	0.88	0.03260
0.95	0.03999	0.95	0.10312

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
29	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.8473	-1.84	-0.01	31.73 662.7	100.98 2109.1	63.14 1318.7	12.53 3.82	324.72 124.82

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.00361	0.05	-0.63517
0.06	-0.22074	0.10	-0.74722
0.11	-0.34089	0.20	-0.69485
0.17	-0.41699	0.35	-0.56716
0.23	-0.51136	0.50	-0.48350
0.29	-0.51259	0.65	-0.20442
0.35	-0.51886	0.80	-0.16248
0.41	-0.51198	0.95	-0.04529
0.47	-0.52896		
0.53	-0.59505		
0.57	-0.63459		
0.65	-0.69792		
0.71	-0.78742		
0.77	-0.29501		
0.83	-0.15366		
0.89	-0.06423		
0.95	0.00272		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.28753	0.02	-0.95559
0.06	0.12919	0.06	-0.68857
0.11	0.00439	0.11	-0.64041
0.18	-0.11432	0.18	-0.70302
0.25	-0.18119	0.25	-0.73356
0.32	-0.26827	0.32	-0.71744
0.39	-0.30543	0.39	-0.33406
0.46	-0.28999	0.46	-0.27974
0.53	-0.24686	0.53	-0.29534
0.60	-0.15873	0.60	-0.13390
0.67	-0.08808	0.67	-0.04184
0.74	-0.01135	0.74	0.01516
0.81	0.04800	0.81	0.08210
0.88	0.11103	0.88	0.10131
0.95	0.18651	0.95	0.20320

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.6001	-6.21	-0.01	19.99 417.6	101.19 2113.3	79.33 1656.8	10.99 3.35	307.87 94.50

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.53229	0.05	-2.00889
0.06	0.22896	0.10	-0.99578
0.11	0.08066	0.20	-0.79723
0.17	-0.01859	0.35	-0.63302
0.23	-0.10415	0.50	-0.51637
0.29	-0.13685	0.65	-0.13204
0.35	-0.17494	0.80	0.09743
0.41	-0.20639	0.95	0.19144
0.47	-0.24615		
0.53	-0.27850		
0.57	-0.29269		
0.65	-0.29180		
0.71	-0.28184		
0.77	-0.23626		
0.83	-0.18284		
0.89	-0.09409		
0.95	0.00919		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.6002	-5.14	-0.01	19.99 417.6	101.15 2112.6	79.29 1656.0	10.97 3.34	308.21 95.11

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.41969	0.05	-1.69048
0.06	0.11161	0.10	-0.94410
0.11	-0.02660	0.20	-0.73186
0.17	-0.09380	0.35	-0.60243
0.23	-0.15858	0.50	-0.50241
0.29	-0.19678	0.65	-0.12208
0.35	-0.21809	0.80	0.12282
0.41	-0.24152	0.95	0.21396
0.47	-0.27571		
0.53	-0.31264		
0.57	-0.32976		
0.65	-0.31968		
0.71	-0.29961		
0.77	-0.24915		
0.83	-0.18946		
0.89	-0.09581		
0.95	0.01517		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.5995	-3.93	-0.01	19.97 417.0	101.19 2113.3	79.36 1657.5	10.93 3.33	309.05 96.62

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.25992	0.05	-1.12654
0.06	-0.01695	0.10	-0.79819
0.11	-0.12459	0.20	-0.64721
0.17	-0.18832	0.35	-0.54836
0.23	-0.24813	0.50	-0.48672
0.29	-0.26562	0.65	-0.12088
0.35	-0.29125	0.80	0.15220
0.41	-0.30543	0.95	0.26127
0.47	-0.33146		
0.53	-0.35764		
0.57	-0.36739		
0.65	-0.34082		
0.71	-0.31942		
0.77	-0.26046		
0.83	-0.19611		
0.89	-0.10015		
0.95	0.01055		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.6006	-2.76	-0.01	20.02 418.2	101.19 2113.3	79.29 1656.0	10.93 3.33	309.29 97.06

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.03872	0.05	-0.85764
0.06	-0.17656	0.10	-0.69090
0.11	-0.25369	0.20	-0.56682
0.17	-0.29824	0.35	-0.49847
0.23	-0.33790	0.50	-0.44357
0.29	-0.34083	0.65	-0.10534
0.35	-0.33957	0.80	0.16852
0.41	-0.34983	0.95	0.26846
0.47	-0.38705		
0.53	-0.39591		
0.57	-0.40879		
0.65	-0.37874		
0.71	-0.34324		
0.77	-0.28125		
0.83	-0.21046		
0.89	-0.10858		
0.95	0.00613		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.6005	-1.72	-0.01	20.02 418.2	101.22 2114.0	79.33 1656.8	10.92 3.33	309.56 97.53

WING

UPPER SURFACE

X/C	CP
0.02	-0.10741
0.06	-0.27727
0.11	-0.33434
0.17	-0.36398
0.23	-0.39245
0.29	-0.39514
0.35	-0.39144
0.41	-0.39312
0.47	-0.42120
0.53	-0.43532
0.57	-0.43373
0.65	-0.39782
0.71	-0.36598
0.77	-0.29957
0.83	-0.22443
0.89	-0.11678
0.95	-0.00254

LOWER SURFACE

X/C	CP
0.05	-0.69849
0.10	-0.56193
0.20	-0.50098
0.35	-0.46296
0.50	-0.42762
0.65	-0.09917
0.80	0.17504
0.95	0.27318

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.5990	-0.62	-0.01	19.94 416.4	101.19 2113.3	79.40 1658.2	10.88 3.32	309.97 98.27

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.34869	0.05	-0.49819
0.06	-0.41596	0.10	-0.43714
0.11	-0.44807	0.20	-0.40997
0.17	-0.44953	0.35	-0.39727
0.23	-0.45988	0.50	-0.39895
0.29	-0.45074	0.65	-0.08219
0.35	-0.45690	0.80	0.19352
0.41	-0.45323	0.95	0.28497
0.47	-0.45274		
0.53	-0.46327		
0.57	-0.45689		
0.65	-0.41465		
0.71	-0.37382		
0.77	-0.30015		
0.83	-0.22050		
0.89	-0.11786		
0.95	-0.00125		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.6001	0.41	-0.01	19.99 417.6	101.19 2113.3	79.33 1656.8	10.91 3.32	309.67 97.73

WING

UPPER SURFACE

X/C	CP
0.02	-0.63412
0.06	-0.62630
0.11	-0.60783
0.17	-0.59258
0.23	-0.56440
0.29	-0.53260
0.35	-0.51519
0.41	-0.49985
0.47	-0.49916
0.53	-0.50279
0.57	-0.49419
0.65	-0.45001
0.71	-0.39391
0.77	-0.31649
0.83	-0.23000
0.89	-0.12489
0.95	-0.00594

LOWER SURFACE

X/C	CP
0.05	-0.31225
0.10	-0.31987
0.20	-0.33346
0.35	-0.36074
0.50	-0.37214
0.65	-0.07723
0.80	0.19636
0.95	0.29478

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.6001	1.62	-0.01	19.99 417.6	101.19 2113.3	79.33 1656.8	10.90 3.32	309.86 98.07

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-0.89326	0.05	-0.14959
	0.06	-0.80526	0.10	-0.19568
	0.11	-0.72492	0.20	-0.25523
	0.17	-0.68378	0.35	-0.30526
	0.23	-0.64095	0.50	-0.32831
	0.29	-0.57092	0.65	-0.05340
	0.35	-0.55315	0.80	0.21354
	0.41	-0.53107	0.95	0.30438
	0.47	-0.52959		
	0.53	-0.53812		
	0.57	-0.52510		
	0.65	-0.46592		
	0.71	-0.41417		
	0.77	-0.33157		
	0.83	-0.24092		
	0.89	-0.12118		
	0.95	-0.00323		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.6006	2.60	-0.01	20.02 418.2	101.19 2113.3	79.29 1656.0	10.91 3.33	309.67 97.73

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-1.33359	0.05	-0.03485
	0.06	-1.04811	0.10	-0.09058
	0.11	-0.85181	0.20	-0.17331
	0.17	-0.78177	0.35	-0.24483
	0.23	-0.72160	0.50	-0.29664
	0.29	-0.65913	0.65	-0.03409
	0.35	-0.63373	0.80	0.22358
	0.41	-0.59464	0.95	0.30814
	0.47	-0.57860		
	0.53	-0.56605		
	0.57	-0.55419		
	0.65	-0.48809		
	0.71	-0.43034		
	0.77	-0.34337		
	0.83	-0.24550		
	0.89	-0.12426		
	0.95	-0.00722		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.6005	3.73	-0.01	20.02 418.2	101.22 2114.0	79.33 1656.8	10.90 3.32	309.98 98.30

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-1.76912	0.05	0.12545
	0.06	-1.42458	0.10	-0.02900
	0.11	-0.96224	0.20	-0.12626
	0.17	-0.89571	0.35	-0.20980
	0.23	-0.81597	0.50	-0.27127
	0.29	-0.72767	0.65	-0.02023
	0.35	-0.67083	0.80	0.23528
	0.41	-0.62684	0.95	0.31670
	0.47	-0.61155		
	0.53	-0.59152		
	0.57	-0.57499		
	0.65	-0.50410		
	0.71	-0.42621		
	0.77	-0.33467		
	0.83	-0.23749		
	0.89	-0.12604		
	0.95	-0.01292		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.6005	4.83	-0.01	20.02 418.2	101.22 2114.0	79.33 1656.8	10.90 3.32	310.08 98.47

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-2.06049	0.05	0.21788
0.06	-2.01197	0.10	0.09222
0.11	-1.06134	0.20	-0.05497
0.17	-0.97827	0.35	-0.16777
0.23	-0.88907	0.50	-0.23847
0.29	-0.77919	0.65	-0.01331
0.35	-0.72296	0.80	0.23605
0.41	-0.67455	0.95	0.31405
0.47	-0.64414		
0.53	-0.61507		
0.57	-0.58994		
0.65	-0.50875		
0.71	-0.43012		
0.77	-0.33745		
0.83	-0.23998		
0.89	-0.12221		
0.95	-0.02033		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.6010	5.90	-0.01	20.05 418.8	101.22 2114.0	79.29 1656.0	10.89 3.32	310.38 99.01

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-2.35965	0.05	0.30922
0.06	-2.27118	0.10	0.16403
0.11	-1.31423	0.20	0.00446
0.17	-1.03541	0.35	-0.11892
0.23	-0.92357	0.50	-0.21508
0.29	-0.81278	0.65	0.00245
0.35	-0.74398	0.80	0.24432
0.41	-0.68589	0.95	0.31081
0.47	-0.64330		
0.53	-0.61209		
0.57	-0.58129		
0.65	-0.49842		
0.71	-0.41292		
0.77	-0.31978		
0.83	-0.22028		
0.89	-0.11084		
0.95	-0.02450		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
22	0.6005	7.04	-0.01	20.02 418.2	101.22 2114.0	79.33 1656.8	10.89 3.32	310.27 98.81

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-2.55219	0.05	0.40109
0.06	-2.38723	0.10	0.22278
0.11	-1.85775	0.20	0.05128
0.17	-1.33212	0.35	-0.07748
0.23	-1.04449	0.50	-0.18012
0.29	-0.90472	0.65	0.01383
0.35	-0.77681	0.80	0.24600
0.41	-0.70317	0.95	0.31076
0.47	-0.64650		
0.53	-0.60494		
0.57	-0.56002		
0.65	-0.47080		
0.71	-0.39070		
0.77	-0.30817		
0.83	-0.22256		
0.89	-0.13540		
0.95	-0.04539		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
23	0.5999	8.29	-0.02	19.99 417.6	101.22 2114.0	79.36 1657.5	10.88 3.32	310.36 98.98

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.92335	0.05	0.45502
0.06	-1.75478	0.10	0.27073
0.11	-1.63048	0.20	0.09150
0.17	-1.52414	0.35	-0.06484
0.23	-1.28563	0.50	-0.18249
0.29	-1.10069	0.65	0.00077
0.35	-0.91527	0.80	0.22050
0.41	-0.78086	0.95	0.24546
0.47	-0.68655		
0.53	-0.57969		
0.57	-0.52214		
0.65	-0.43720		
0.71	-0.36535		
0.77	-0.29773		
0.83	-0.24132		
0.89	-0.20057		
0.95	-0.17286		

TABLE 3.3 .(CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
24	0.6010	9.05	-0.02	20.05 418.8	101.22 2114.0	79.29 1656.0	10.87 3.31	310.72 99.62

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.57116	0.05	0.46956
0.06	-1.37719	0.10	0.29376
0.11	-1.33067	0.20	0.11113
0.17	-1.14966	0.35	-0.04848
0.23	-1.11188	0.50	-0.18696
0.29	-1.02035	0.65	-0.02017
0.35	-0.87989	0.80	0.18899
0.41	-0.78595	0.95	0.19747
0.47	-0.70172		
0.53	-0.65281		
0.57	-0.59252		
0.65	-0.51612		
0.71	-0.48541		
0.77	-0.43486		
0.83	-0.42166		
0.89	-0.37003		
0.95	-0.31098		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
25	0.6006	10.01	-0.01	20.02 418.2	101.19 2113.3	79.29 1656.0	10.87 3.31	310.68 99.55

WING

UPPER SURFACE

X/C	CP
0.02	-1.25191
0.06	-1.13241
0.11	-1.07078
0.17	-0.94651
0.23	-0.89370
0.29	-0.88092
0.35	-0.85830
0.41	-0.79476
0.47	-0.74936
0.53	-0.69390
0.57	-0.68454
0.65	-0.61846
0.71	-0.57428
0.77	-0.52983
0.83	-0.50255
0.89	-0.47805
0.95	-0.41562

LOWER SURFACE

X/C	CP
0.05	0.47961
0.10	0.29032
0.20	0.11172
0.35	-0.06155
0.50	-0.20472
0.65	-0.04113
0.80	0.16913
0.95	0.18038

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
26	0.5999	11.16	-0.02	19.99 417.6	101.22 2114.0	79.36 1657.5	10.89 3.32	310.01 98.34

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-0.96406	0.05	0.49900
	0.06	-0.91059	0.10	0.30771
	0.11	-0.86194	0.20	0.12645
	0.17	-0.81838	0.35	-0.05384
	0.23	-0.79234	0.50	-0.21831
	0.29	-0.77584	0.65	-0.07025
	0.35	-0.74504	0.80	0.14096
	0.41	-0.73536	0.95	0.13663
	0.47	-0.71169		
	0.53	-0.67170		
	0.57	-0.67574		
	0.65	-0.65052		
	0.71	-0.62469		
	0.77	-0.59823		
	0.83	-0.56011		
	0.89	-0.54368		
	0.95	-0.48164		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
27	0.5999	13.06	-0.06	19.99 417.6	101.22 2114.0	79.36 1657.5	10.88 3.32	310.36 98.98

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.00674	0.05	0.55651
0.06	-1.28683	0.10	0.37346
0.11	-1.12104	0.20	0.17684
0.17	-0.55317	0.35	-0.02169
0.23	-0.53953	0.50	-0.18790
0.29	-0.56501	0.65	-0.06467
0.35	-0.57432	0.80	0.12551
0.41	-0.57354	0.95	0.09579
0.47	-0.58141		
0.53	-0.58976		
0.57	-0.59822		
0.65	-0.58743		
0.71	-0.59681		
0.77	-0.58822		
0.83	-0.57706		
0.89	-0.58003		
0.95	-0.55187		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
28	0.5988	15.07	-0.09	19.94 416.4	101.22 2114.0	79.43 1658.9	10.86 3.31	310.47 99.18

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.51102	0.05	0.65001
0.06	-0.48509	0.10	0.46400
0.11	-0.49297	0.20	0.25435
0.17	-0.49623	0.35	0.03928
0.23	-0.48475	0.50	-0.15830
0.29	-0.50638	0.65	-0.04810
0.35	-0.52178	0.80	0.12369
0.41	-0.53587	0.95	0.08371
0.47	-0.55032		
0.53	-0.56214		
0.57	-0.56661		
0.65	-0.58553		
0.71	-0.59072		
0.77	-0.59300		
0.83	-0.58553		
0.89	-0.57155		
0.95	-0.54756		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
29	0.5995	17.14	-0.15	19.97 417.0	101.19 2113.3	79.36 1657.5	10.87 3.31	310.27 98.81

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.51616	0.05	0.68977
0.06	-0.50291	0.10	0.52596
0.11	-0.50537	0.20	0.31548
0.17	-0.50814	0.35	0.09844
0.23	-0.52086	0.50	-0.10759
0.29	-0.52138	0.65	-0.02125
0.35	-0.53689	0.80	0.13603
0.41	-0.55111	0.95	0.08323
0.47	-0.55038		
0.53	-0.57033		
0.57	-0.58136		
0.65	-0.60506		
0.71	-0.59942		
0.77	-0.60131		
0.83	-0.59172		
0.89	-0.59842		
0.95	-0.58336		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
30	0.6005	19.20	-0.19	20.02 418.2	101.22 2114.0	79.33 1656.8	10.88 3.32	310.36 98.98

WING

UPPER SURFACE

X/C	CP
0.02	-0.51846
0.06	-0.52517
0.11	-0.53284
0.17	-0.51947
0.23	-0.51089
0.29	-0.51419
0.35	-0.54686
0.41	-0.56301
0.47	-0.55082
0.53	-0.56992
0.57	-0.56899
0.65	-0.59246
0.71	-0.60534
0.77	-0.60517
0.83	-0.59279
0.89	-0.59865
0.95	-0.60019

LOWER SURFACE

X/C	CP
0.05	0.75953
0.10	0.58380
0.20	0.37440
0.35	0.15839
0.50	-0.05470
0.65	0.00650
0.80	0.14900
0.95	0.09195

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
30	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
31	0.5999	-1.72	-0.01	19.99 417.6	101.22 2114.0	79.36 1657.5	10.88 3.32	310.23 98.74

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.16079	0.05	-0.66719
0.06	-0.28834	0.10	-0.54267
0.11	-0.34442	0.20	-0.48132
0.17	-0.37915	0.35	-0.45812
0.23	-0.40094	0.50	-0.43232
0.29	-0.39377	0.65	-0.10001
0.35	-0.40089	0.80	0.17531
0.41	-0.40027	0.95	0.27637
0.47	-0.41411		
0.53	-0.42429		
0.57	-0.42020		
0.65	-0.38943		
0.71	-0.36745		
0.77	-0.29930		
0.83	-0.22738		
0.89	-0.11932		
0.95	-0.00025		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.6998	-6.20	-0.01	25.00 522.1	101.15 2112.6	72.94 1523.3	11.89 3.62	313.13 103.96

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.51896	0.05	-1.81990
0.06	0.22012	0.10	-1.77154
0.11	0.06881	0.20	-0.91241
0.17	-0.03277	0.35	-0.62469
0.23	-0.10558	0.50	-0.53385
0.29	-0.14681	0.65	-0.13888
0.35	-0.20426	0.80	0.08388
0.41	-0.23743	0.95	0.18895
0.47	-0.28472		
0.53	-0.33154		
0.57	-0.35197		
0.65	-0.34994		
0.71	-0.32002		
0.77	-0.27419		
0.83	-0.20829		
0.89	-0.10726		
0.95	0.00935		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.7010	-5.00	-0.01	25.05 523.2	101.12 2111.9	72.84 1521.2	11.88 3.62	313.44 104.53

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	0.38089	0.05	-1.68900
	0.06	0.08742	0.10	-1.62763
	0.11	-0.03457	0.20	-0.75802
	0.17	-0.13763	0.35	-0.65037
	0.23	-0.20093	0.50	-0.51461
	0.29	-0.22329	0.65	-0.10095
	0.35	-0.25294	0.80	0.09640
	0.41	-0.27698	0.95	0.19486
	0.47	-0.32872		
	0.53	-0.36719		
	0.57	-0.38122		
	0.65	-0.37117		
	0.71	-0.34445		
	0.77	-0.28496		
	0.83	-0.20887		
	0.89	-0.10392		
	0.95	0.02032		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.7015	-3.90	-0.01	25.07 523.7	101.12 2111.9	72.80 1520.5	11.88 3.62	313.57 104.76

WING

UPPER SURFACE

X/C	CP
0.02	0.25314
0.06	-0.00989
0.11	-0.10984
0.17	-0.19047
0.23	-0.25065
0.29	-0.28117
0.35	-0.30826
0.41	-0.32471
0.47	-0.36244
0.53	-0.38491
0.57	-0.40355
0.65	-0.38722
0.71	-0.34405
0.77	-0.27719
0.83	-0.19883
0.89	-0.08871
0.95	0.03373

LOWER SURFACE

X/C	CP
0.05	-1.51302
0.10	-1.14316
0.20	-0.75128
0.35	-0.63023
0.50	-0.51204
0.65	-0.10227
0.80	0.13490
0.95	0.24884

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.7004	-2.81	-0.01	25.03 522.7	101.12 2111.9	72.87 1521.9	11.87 3.62	313.59 104.80

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	0.06713	0.05	-0.99562
	0.06	-0.14102	0.10	-0.78019
	0.11	-0.22117	0.20	-0.66577
	0.17	-0.30166	0.35	-0.59436
	0.23	-0.34773	0.50	-0.50246
	0.29	-0.35056	0.65	-0.09681
	0.35	-0.37002	0.80	0.15361
	0.41	-0.38768	0.95	0.26620
	0.47	-0.41151		
	0.53	-0.42632		
	0.57	-0.43403		
	0.65	-0.40670		
	0.71	-0.36708		
	0.77	-0.29046		
	0.83	-0.20593		
	0.89	-0.09229		
	0.95	0.03301		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.6992	-1.76	-0.01	24.97 521.6	101.15 2112.6	72.97 1524.1	11.84 3.61	314.01 105.54

WING

UPPER SURFACE

X/C	CP
0.02	-0.07904
0.06	-0.27824
0.11	-0.36092
0.17	-0.39612
0.23	-0.41249
0.29	-0.41396
0.35	-0.43022
0.41	-0.42877
0.47	-0.45494
0.53	-0.46647
0.57	-0.47361
0.65	-0.43485
0.71	-0.37679
0.77	-0.29826
0.83	-0.21199
0.89	-0.09327
0.95	0.02847

LOWER SURFACE

X/C	CP
0.05	-0.79593
0.10	-0.64233
0.20	-0.57183
0.35	-0.53048
0.50	-0.48096
0.65	-0.08847
0.80	0.17896
0.95	0.28224

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.7008	-0.46	-0.01	25.05 523.2	101.15 2112.6	72.87 1521.9	11.85 3.61	314.12 105.74

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.34801	0.05	-0.51945
0.06	-0.47919	0.10	-0.46098
0.11	-0.50510	0.20	-0.43151
0.17	-0.52280	0.35	-0.44077
0.23	-0.53322	0.50	-0.43434
0.29	-0.49712	0.65	-0.07234
0.35	-0.49722	0.80	0.20121
0.41	-0.48713	0.95	0.30187
0.47	-0.49154		
0.53	-0.50654		
0.57	-0.50196		
0.65	-0.45884		
0.71	-0.40236		
0.77	-0.31735		
0.83	-0.22199		
0.89	-0.09674		
0.95	0.02645		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.7003	0.65	-0.01	25.03 522.7	101.15 2112.6	72.90 1522.6	11.83 3.61	314.28 106.04

WING

UPPER SURFACE

X/C	CP
0.02	-0.68306
0.06	-0.70725
0.11	-0.68303
0.17	-0.65006
0.23	-0.64248
0.29	-0.59235
0.35	-0.56824
0.41	-0.55746
0.47	-0.55730
0.53	-0.55269
0.57	-0.54280
0.65	-0.48053
0.71	-0.41480
0.77	-0.32343
0.83	-0.22319
0.89	-0.09772
0.95	0.02173

LOWER SURFACE

X/C	CP
0.05	-0.31414
0.10	-0.34291
0.20	-0.36395
0.35	-0.40349
0.50	-0.41695
0.65	-0.06755
0.80	0.20891
0.95	0.31010

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.7012	1.75	-0.01	25.08 523.8	101.19 2113.3	72.87 1521.9	11.85 3.61	314.27 106.01

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.94909	0.05	-0.18108
0.06	-0.88414	0.10	-0.23933
0.11	-0.78784	0.20	-0.29550
0.17	-0.76202	0.35	-0.34845
0.23	-0.71968	0.50	-0.38225
0.29	-0.66478	0.65	-0.05626
0.35	-0.63248	0.80	0.22568
0.41	-0.60791	0.95	0.31640
0.47	-0.59697		
0.53	-0.58270		
0.57	-0.57385		
0.65	-0.50301		
0.71	-0.43015		
0.77	-0.33222		
0.83	-0.22539		
0.89	-0.10658		
0.95	0.00990		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.7004	2.93	-0.01	25.03 522.7	101.12 2111.9	72.87 1521.9	11.85 3.61	313.95 105.44

WING

UPPER SURFACE

X/C	CP
0.02	-1.19086
0.06	-1.38039
0.11	-1.11084
0.17	-0.81680
0.23	-0.79569
0.29	-0.71405
0.35	-0.67770
0.41	-0.63758
0.47	-0.62190
0.53	-0.60934
0.57	-0.58585
0.65	-0.50553
0.71	-0.42619
0.77	-0.32693
0.83	-0.22031
0.89	-0.10126
0.95	0.00905

LOWER SURFACE

X/C	CP
0.05	-0.02111
0.10	-0.12181
0.20	-0.20489
0.35	-0.27331
0.50	-0.32873
0.65	-0.03192
0.80	0.24229
0.95	0.32287

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.7003	3.98	-0.01	25.03 522.7	101.15 2112.6	72.90 1522.6	11.83 3.61	314.31 106.08

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.33944	0.05	0.10723
0.06	-1.58828	0.10	-0.01506
0.11	-1.52869	0.20	-0.12760
0.17	-1.46795	0.35	-0.24236
0.23	-0.75744	0.50	-0.31216
0.29	-0.68046	0.65	-0.02431
0.35	-0.65949	0.80	0.24484
0.41	-0.64883	0.95	0.32952
0.47	-0.63649		
0.53	-0.61220		
0.57	-0.58936		
0.65	-0.50671		
0.71	-0.42090		
0.77	-0.31798		
0.83	-0.21198		
0.89	-0.08907		
0.95	0.01278		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.7008	5.17	-0.01	25.05 523.2	101.15 2112.6	72.87 1521.9	11.82 3.60	314.61 106.62

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.52130	0.05	0.19509
0.06	-1.69229	0.10	0.06694
0.11	-1.72542	0.20	-0.07612
0.17	-1.67182	0.35	-0.18331
0.23	-1.63039	0.50	-0.26717
0.29	-0.98863	0.65	-0.00650
0.35	-0.74519	0.80	0.25549
0.41	-0.62334	0.95	0.33621
0.47	-0.55637		
0.53	-0.57810		
0.57	-0.56091		
0.65	-0.47584		
0.71	-0.40031		
0.77	-0.30563		
0.83	-0.20411		
0.89	-0.10302		
0.95	0.00020		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.6998	6.37	-0.01	25.00 522.1	101.15 2112.6	72.94 1523.3	11.81 3.60	314.62 106.65

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-1.68747	0.05	0.28267
	0.06	-1.81062	0.10	0.14490
	0.11	-1.83747	0.20	-0.01025
	0.17	-1.81686	0.35	-0.14059
	0.23	-1.76573	0.50	-0.24285
	0.29	-1.05686	0.65	0.00124
	0.35	-0.97826	0.80	0.25799
	0.41	-0.87670	0.95	0.32000
	0.47	-0.73145		
	0.53	-0.57594		
	0.57	-0.50430		
	0.65	-0.39511		
	0.71	-0.31957		
	0.77	-0.25037		
	0.83	-0.17630		
	0.89	-0.09261		
	0.95	-0.01769		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.7010	7.52	0.00	25.05 523.2	101.12 2111.9	72.84 1521.2	11.82 3.60	314.69 106.78

WING

UPPER SURFACE

X/C	CP
0.02	-1.77581
0.06	-1.89842
0.11	-1.91349
0.17	-1.42039
0.23	-1.15114
0.29	-1.06308
0.35	-0.94258
0.41	-0.82887
0.47	-0.72660
0.53	-0.62832
0.57	-0.55066
0.65	-0.45831
0.71	-0.37418
0.77	-0.43359
0.83	-0.27209
0.89	-0.21117
0.95	-0.14344

LOWER SURFACE

X/C	CP
0.05	0.35262
0.10	0.19518
0.20	0.03318
0.35	-0.11730
0.50	-0.24965
0.65	-0.02345
0.80	0.22068
0.95	0.24600

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.7019	8.36	-0.02	25.10 524.3	101.15 2112.6	72.80 1520.5	11.84 3.61	314.42 106.28

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-1.56751	0.05	0.38483
	0.06	-1.30715	0.10	0.21573
	0.11	-1.12064	0.20	0.04277
	0.17	-1.11204	0.35	-0.12003
	0.23	-1.02814	0.50	-0.26297
	0.29	-0.93893	0.65	-0.04379
	0.35	-0.83604	0.80	0.19897
	0.41	-0.76635	0.95	0.22887
	0.47	-0.73753		
	0.53	-0.65284		
	0.57	-0.63996		
	0.65	-0.57471		
	0.71	-0.51097		
	0.77	-0.50192		
	0.83	-0.43530		
	0.89	-0.41897		
	0.95	-0.32041		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.7003	9.18	-0.02	25.03 522.7	101.15 2112.6	72.90 1522.6	11.83 3.61	314.34 106.14

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.27395	0.05	0.41826
0.06	-1.17530	0.10	0.23758
0.11	-0.94966	0.20	0.06068
0.17	-0.92305	0.35	-0.11530
0.23	-0.89882	0.50	-0.26655
0.29	-0.85612	0.65	-0.06620
0.35	-0.82279	0.80	0.16996
0.41	-0.73581	0.95	0.19578
0.47	-0.70967		
0.53	-0.65498		
0.57	-0.62288		
0.65	-0.57444		
0.71	-0.57215		
0.77	-0.54937		
0.83	-0.49961		
0.89	-0.48556		
0.95	-0.43377		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.6998	11.26	-0.03	25.00 522.1	101.15 2112.6	72.94 1523.3	11.80 3.60	314.92 107.19

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.68715	0.05	0.45412
0.06	-0.66459	0.10	0.28546
0.11	-0.65112	0.20	0.09668
0.17	-0.64428	0.35	-0.08677
0.23	-0.63210	0.50	-0.25467
0.29	-0.62303	0.65	-0.08137
0.35	-0.63731	0.80	0.14720
0.41	-0.63103	0.95	0.14688
0.47	-0.64202		
0.53	-0.64669		
0.57	-0.64062		
0.65	-0.62972		
0.71	-0.61132		
0.77	-0.60281		
0.83	-0.58479		
0.89	-0.56925		
0.95	-0.52345		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.7003	13.33	0.04	25.03 522.7	101.15 2112.6	72.90 1522.6	11.80 3.60	315.02 107.36

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-0.54805	0.05	0.56837
	0.06	-0.51665	0.10	0.38304
	0.11	-0.50129	0.20	0.18757
	0.17	-0.52504	0.35	-0.02066
	0.23	-0.52942	0.50	-0.21521
	0.29	-0.53838	0.65	-0.06982
	0.35	-0.99540	0.80	0.14365
	0.41	-0.89434	0.95	0.13671
	0.47	-0.80018		
	0.53	-0.70002		
	0.57	-0.66294		
	0.65	-0.63286		
	0.71	-0.63019		
	0.77	-0.61772		
	0.83	-0.63766		
	0.89	-0.60450		
	0.95	-0.57304		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.6999	15.38	0.01	25.00 522.1	101.12 2111.9	72.90 1522.6	11.80 3.60	314.90 107.15

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.37145	0.05	0.64955
0.06	-1.31394	0.10	0.47016
0.11	-1.33845	0.20	0.26130
0.17	-1.35508	0.35	0.05058
0.23	-1.28460	0.50	-0.15900
0.29	-1.18856	0.65	-0.03909
0.35	-1.07163	0.80	0.15863
0.41	-0.89441	0.95	0.14498
0.47	-0.74049		
0.53	-0.69987		
0.57	-0.66985		
0.65	-0.65965		
0.71	-0.67410		
0.77	-0.67865		
0.83	-0.67812		
0.89	-0.69074		
0.95	-0.66318		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.7012	17.45	-0.14	25.08 523.8	101.19 2113.3	72.87 1521.9	11.81 3.60	315.02 107.36

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.50525	0.05	0.70832
0.06	-0.50597	0.10	0.54320
0.11	-0.51603	0.20	0.33306
0.17	-0.52285	0.35	0.11468
0.23	-0.53541	0.50	-0.10487
0.29	-0.53307	0.65	-0.00563
0.35	-0.54339	0.80	0.17284
0.41	-0.54947	0.95	0.15323
0.47	-0.55863		
0.53	-0.59300		
0.57	-0.59749		
0.65	-0.60229		
0.71	-0.61648		
0.77	-0.60784		
0.83	-0.61720		
0.89	-0.62155		
0.95	-0.61951		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.6982	19.66	-0.17	24.92 520.5	101.15 2112.6	73.04 1525.5	11.78 3.59	315.02 107.36

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.52447	0.05	0.77069
0.06	-0.50699	0.10	0.60334
0.11	-0.51992	0.20	0.39752
0.17	-0.54353	0.35	0.18012
0.23	-0.53580	0.50	-0.03503
0.29	-0.53116	0.65	0.03730
0.35	-0.55533	0.80	0.19629
0.41	-0.54754	0.95	0.16189
0.47	-0.55338		
0.53	-0.58566		
0.57	-0.58675		
0.65	-0.58764		
0.71	-0.62725		
0.77	-0.63130		
0.83	-0.64036		
0.89	-0.63020		
0.95	-0.62063		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
31	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.7008	-1.75	-0.01	25.05 523.2	101.15 2112.6	72.87 1521.9	11.81 3.60	314.98 107.29

WING

UPPER SURFACE

X/C	CP
0.02	-0.08834
0.06	-0.25705
0.11	-0.33784
0.17	-0.38239
0.23	-0.42655
0.29	-0.40865
0.35	-0.40907
0.41	-0.42443
0.47	-0.44432
0.53	-0.45950
0.57	-0.46183
0.65	-0.42489
0.71	-0.37038
0.77	-0.29101
0.83	-0.19994
0.89	-0.09021
0.95	0.03586

LOWER SURFACE

X/C	CP
0.05	-0.76005
0.10	-0.62867
0.20	-0.55201
0.35	-0.50901
0.50	-0.47498
0.65	-0.08888
0.80	0.17631
0.95	0.28082

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7794	-6.36	-0.01	28.77 600.9	101.08 2111.2	67.67 1413.3	12.43 3.79	316.79 110.55

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.46740	0.05	-1.42163
0.06	0.18338	0.10	-1.41331
0.11	0.03582	0.20	-1.30470
0.17	-0.06241	0.35	-0.69998
0.23	-0.14475	0.50	-0.48730
0.29	-0.19300	0.65	-0.31039
0.35	-0.23511	0.80	-0.13644
0.41	-0.28544	0.95	0.00994
0.47	-0.34461		
0.53	-0.41734		
0.57	-0.45362		
0.65	-0.48439		
0.71	-0.46917		
0.77	-0.40372		
0.83	-0.32351		
0.89	-0.22558		
0.95	-0.12604		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.7794	-5.37	-0.02	28.77 600.9	101.08 2111.2	67.67 1413.3	12.41 3.78	317.18 111.26

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.40186	0.05	-1.36542
0.06	0.10734	0.10	-1.33179
0.11	-0.02265	0.20	-1.21542
0.17	-0.13724	0.35	-0.93447
0.23	-0.20310	0.50	-0.43850
0.29	-0.24323	0.65	-0.20218
0.35	-0.28298	0.80	-0.02915
0.41	-0.31882	0.95	0.13505
0.47	-0.37581		
0.53	-0.43338		
0.57	-0.46324		
0.65	-0.47148		
0.71	-0.44269		
0.77	-0.36002		
0.83	-0.25948		
0.89	-0.13166		
0.95	-0.01008		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.7809	-4.21	-0.01	28.84 602.4	101.08 2111.2	67.57 1411.2	12.41 3.78	317.50 111.83

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.25060	0.05	-1.23816
0.06	-0.00988	0.10	-1.19346
0.11	-0.13530	0.20	-1.09045
0.17	-0.22994	0.35	-0.93974
0.23	-0.28407	0.50	-0.39992
0.29	-0.30784	0.65	-0.08624
0.35	-0.34543	0.80	0.04245
0.41	-0.37038	0.95	0.16907
0.47	-0.41932		
0.53	-0.47583		
0.57	-0.48931		
0.65	-0.47110		
0.71	-0.41762		
0.77	-0.32410		
0.83	-0.21681		
0.89	-0.07626		
0.95	0.05338		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.7828	-2.87	-0.01	28.94 604.4	101.12 2111.9	67.46 1409.0	12.42 3.79	317.61 112.03

WING

UPPER SURFACE

X/C	CP
0.02	0.10772
0.06	-0.14285
0.11	-0.24582
0.17	-0.31901
0.23	-0.36279
0.29	-0.37123
0.35	-0.41159
0.41	-0.43122
0.47	-0.47184
0.53	-0.51385
0.57	-0.52918
0.65	-0.48057
0.71	-0.40100
0.77	-0.29596
0.83	-0.18541
0.89	-0.05370
0.95	0.07065

LOWER SURFACE

X/C	CP
0.05	-1.08836
0.10	-0.95512
0.20	-0.84638
0.35	-0.70223
0.50	-0.44153
0.65	-0.06549
0.80	0.10009
0.95	0.24444

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.7809	-1.86	-0.01	28.84 602.4	101.08 2111.2	67.57 1411.2	12.40 3.78	317.76 112.30

WING

UPPER SURFACE

X/C	CP
0.02	-0.04074
0.06	-0.26700
0.11	-0.36846
0.17	-0.43392
0.23	-0.46556
0.29	-0.46391
0.35	-0.47921
0.41	-0.48495
0.47	-0.52160
0.53	-0.57187
0.57	-0.57083
0.65	-0.50167
0.71	-0.41766
0.77	-0.30510
0.83	-0.19008
0.89	-0.05444
0.95	0.06725

LOWER SURFACE

X/C	CP
0.05	-0.76786
0.10	-0.90281
0.20	-0.69019
0.35	-0.68863
0.50	-0.46736
0.65	-0.06130
0.80	0.13214
0.95	0.26888

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.7799	-0.81	-0.01	28.80 601.4	101.08 2111.2	67.64 1412.6	12.37 3.77	318.08 112.88

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.23700	0.05	-0.58632
0.06	-0.42310	0.10	-0.56287
0.11	-0.51027	0.20	-0.56030
0.17	-0.53452	0.35	-0.58632
0.23	-0.57485	0.50	-0.49593
0.29	-0.54227	0.65	-0.06439
0.35	-0.54800	0.80	0.16932
0.41	-0.55868	0.95	0.28567
0.47	-0.57380		
0.53	-0.60494		
0.57	-0.59748		
0.65	-0.51189		
0.71	-0.41644		
0.77	-0.29883		
0.83	-0.18056		
0.89	-0.06198		
0.95	0.05371		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.7808	0.56	-0.01	28.85 602.5	101.12 2111.9	67.60 1411.9	12.37 3.77	318.38 113.41

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-0.49613	0.05	-0.35583
	0.06	-0.66471	0.10	-0.37160
	0.11	-0.65141	0.20	-0.41400
	0.17	-0.73197	0.35	-0.49645
	0.23	-0.77855	0.50	-0.48662
	0.29	-0.73051	0.65	-0.05889
	0.35	-0.58611	0.80	0.20129
	0.41	-0.60019	0.95	0.30907
	0.47	-0.63661		
	0.53	-0.69069		
	0.57	-0.66587		
	0.65	-0.51888		
	0.71	-0.40801		
	0.77	-0.29255		
	0.83	-0.17658		
	0.89	-0.05599		
	0.95	0.05037		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.7799	1.78	-0.01	28.80 601.4	101.08 2111.2	67.64 1412.6	12.38 3.77	318.02 112.77

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.72988	0.05	-0.18315
0.06	-0.96202	0.10	-0.24261
0.11	-1.04598	0.20	-0.31471
0.17	-0.98000	0.35	-0.41191
0.23	-0.93600	0.50	-0.44549
0.29	-0.89208	0.65	-0.04344
0.35	-0.81858	0.80	0.22481
0.41	-0.80382	0.95	0.32146
0.47	-0.62311		
0.53	-0.61455		
0.57	-0.60670		
0.65	-0.50203		
0.71	-0.39986		
0.77	-0.28754		
0.83	-0.17529		
0.89	-0.05664		
0.95	0.04589		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.7804	2.85	-0.01	28.82 601.9	101.08 2111.2	67.60 1411.9	12.38 3.77	318.06 112.84

WING

UPPER SURFACE

X/C	CP
0.02	-0.84457
0.06	-1.08100
0.11	-1.15842
0.17	-1.13671
0.23	-1.15374
0.29	-1.16696
0.35	-1.14319
0.41	-1.03359
0.47	-0.97410
0.53	-0.65567
0.57	-0.50786
0.65	-0.41260
0.71	-0.34246
0.77	-0.25559
0.83	-0.15646
0.89	-0.05055
0.95	0.04196

LOWER SURFACE

X/C	CP
0.05	-0.05806
0.10	-0.13551
0.20	-0.24085
0.35	-0.34793
0.50	-0.39871
0.65	-0.02794
0.80	0.24544
0.95	0.33766

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.7808	4.02	-0.01	28.85 602.5	101.12 2111.9	67.60 1411.9	12.36 3.77	318.55 113.72

WING

UPPER SURFACE

X/C	CP
0.02	-0.95979
0.06	-1.20972
0.11	-1.24352
0.17	-1.23772
0.23	-1.25717
0.29	-1.26064
0.35	-1.27412
0.41	-1.18092
0.47	-0.68543
0.53	-0.59957
0.57	-0.53917
0.65	-0.43148
0.71	-0.36127
0.77	-0.26712
0.83	-0.18470
0.89	-0.11093
0.95	-0.04921

LOWER SURFACE

X/C	CP
0.05	0.05554
0.10	-0.05808
0.20	-0.19065
0.35	-0.30356
0.50	-0.38955
0.65	-0.03354
0.80	0.23597
0.95	0.30381

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.7808	5.14	-0.01	28.85 602.5	101.12 2111.9	67.60 1411.9	12.35 3.76	318.87 114.29

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.06414	0.05	0.16222
0.06	-1.29020	0.10	-0.00009
0.11	-1.33416	0.20	-0.14191
0.17	-1.32865	0.35	-0.27846
0.23	-1.31460	0.50	-0.40056
0.29	-0.89293	0.65	-0.06871
0.35	-0.73571	0.80	0.20733
0.41	-0.69902	0.95	0.26443
0.47	-0.65916		
0.53	-0.61527		
0.57	-0.57609		
0.65	-0.49145		
0.71	-0.43183		
0.77	-0.38179		
0.83	-0.32004		
0.89	-0.29101		
0.95	-0.24873		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.7808	6.25	-0.01	28.85 602.5	101.12 2111.9	67.60 1411.9	12.36 3.77	318.64 113.89

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.18384	0.05	0.20865
0.06	-1.35227	0.10	0.07377
0.11	-1.41347	0.20	-0.07672
0.17	-1.31835	0.35	-0.23584
0.23	-0.95915	0.50	-0.38232
0.29	-0.77824	0.65	-0.07580
0.35	-0.73840	0.80	0.19773
0.41	-0.70069	0.95	0.24033
0.47	-0.66833		
0.53	-0.62171		
0.57	-0.58307		
0.65	-0.52378		
0.71	-0.47493		
0.77	-0.44498		
0.83	-0.39932		
0.89	-0.36982		
0.95	-0.32737		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.7787	7.17	-0.01	28.75 600.5	101.12 2111.9	67.74 1414.8	12.32 3.76	318.99 114.52

WING

UPPER SURFACE

X/C	CP
0.02	-1.29908
0.06	-1.42042
0.11	-1.40862
0.17	-1.18040
0.23	-0.88764
0.29	-0.78907
0.35	-0.75549
0.41	-0.71398
0.47	-0.66145
0.53	-0.64286
0.57	-0.60091
0.65	-0.54915
0.71	-0.50208
0.77	-0.45661
0.83	-0.44055
0.89	-0.40248
0.95	-0.36250

LOWER SURFACE

X/C	CP
0.05	0.28226
0.10	0.12537
0.20	-0.04223
0.35	-0.21501
0.50	-0.37153
0.65	-0.08571
0.80	0.18836
0.95	0.23565

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.7797	8.33	-0.04	28.80 601.5	101.12 2111.9	67.67 1413.3	12.32 3.76	319.17 114.83

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.13380	0.05	0.35237
0.06	-1.02039	0.10	0.19079
0.11	-1.00859	0.20	0.01203
0.17	-0.86064	0.35	-0.17279
0.23	-0.86892	0.50	-0.35673
0.29	-0.76485	0.65	-0.09303
0.35	-0.67791	0.80	0.17344
0.41	-0.67946	0.95	0.20814
0.47	-0.63914		
0.53	-0.63036		
0.57	-0.61832		
0.65	-0.57849		
0.71	-0.62616		
0.77	-0.58937		
0.83	-0.54829		
0.89	-0.52455		
0.95	-0.50066		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.7783	9.39	-0.04	28.72 599.9	101.08 2111.2	67.74 1414.8	12.35 3.76	318.38 113.41

WING

UPPER SURFACE

X/C	CP
0.02	-0.87227
0.06	-0.82279
0.11	-0.74061
0.17	-0.69367
0.23	-0.70238
0.29	-0.69923
0.35	-0.63508
0.41	-0.59990
0.47	-0.63306
0.53	-0.64094
0.57	-0.65859
0.65	-0.64405
0.71	-0.63414
0.77	-0.61877
0.83	-0.60314
0.89	-0.57789
0.95	-0.57219

LOWER SURFACE

X/C	CP
0.05	0.38490
0.10	0.22391
0.20	0.04664
0.35	-0.15144
0.50	-0.36344
0.65	-0.10150
0.80	0.17143
0.95	0.20646

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.7808	11.29	-0.03	28.85 602.5	101.12 2111.9	67.60 1411.9	12.35 3.76	318.88 114.32

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.65732	0.05	0.47219
0.06	-0.59273	0.10	0.29553
0.11	-0.68761	0.20	0.10225
0.17	-0.69489	0.35	-0.10535
0.23	-0.62339	0.50	-0.30576
0.29	-0.75374	0.65	-0.08796
0.35	-0.62300	0.80	0.17307
0.41	-0.63998	0.95	0.18913
0.47	-0.62147		
0.53	-0.61279		
0.57	-0.61855		
0.65	-0.62032		
0.71	-0.63366		
0.77	-0.62270		
0.83	-0.61615		
0.89	-0.59216		
0.95	-0.55170		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.7771	13.42	0.02	28.68 599.0	101.12 2111.9	67.84 1416.9	12.33 3.76	318.53 113.68

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.48149	0.05	0.57268
0.06	-1.40819	0.10	0.40193
0.11	-1.30420	0.20	0.19568
0.17	-1.28459	0.35	-0.01070
0.23	-1.27982	0.50	-0.22327
0.29	-1.27463	0.65	-0.04945
0.35	-1.21639	0.80	0.18569
0.41	-1.12173	0.95	0.19582
0.47	-0.91767		
0.53	-0.71095		
0.57	-0.63585		
0.65	-0.57537		
0.71	-0.61753		
0.77	-0.61008		
0.83	-0.61892		
0.89	-0.62196		
0.95	-0.60080		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.7789	15.60	0.00	28.75 600.4	101.08 2111.2	67.70 1414.0	12.33 3.76	318.88 114.32

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.50561	0.05	0.66810
0.06	-1.42307	0.10	0.48757
0.11	-1.35864	0.20	0.28084
0.17	-1.35906	0.35	0.06628
0.23	-1.31065	0.50	-0.15321
0.29	-1.20883	0.65	-0.01171
0.35	-1.04389	0.80	0.20637
0.41	-0.76240	0.95	0.20948
0.47	-0.62487		
0.53	-0.64326		
0.57	-0.67261		
0.65	-0.65428		
0.71	-0.65859		
0.77	-0.66822		
0.83	-0.67674		
0.89	-0.65603		
0.95	-0.64721		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.7797	17.75	0.01	28.80 601.5	101.12 2111.9	67.67 1413.3	12.32 3.76	319.22 114.93

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-1.46240	0.05	0.73265
	0.06	-1.43110	0.10	0.56991
	0.11	-1.38877	0.20	0.37005
	0.17	-1.32925	0.35	0.15223
	0.23	-1.31701	0.50	-0.07773
	0.29	-1.25505	0.65	0.03136
	0.35	-1.09897	0.80	0.22875
	0.41	-0.89252	0.95	0.22551
	0.47	-0.75934		
	0.53	-0.72533		
	0.57	-0.69783		
	0.65	-0.65458		
	0.71	-0.66933		
	0.77	-0.66434		
	0.83	-0.65064		
	0.89	-0.68792		
	0.95	-0.69275		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.7797	19.76	-0.22	28.80 601.5	101.12 2111.9	67.67 1413.3	12.31 3.75	319.43 115.30

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.49289	0.05	0.78631
0.06	-0.47912	0.10	0.62818
0.11	-0.49436	0.20	0.43171
0.17	-0.50167	0.35	0.21621
0.23	-0.50276	0.50	-0.01234
0.29	-0.49851	0.65	0.06986
0.35	-0.50698	0.80	0.24542
0.41	-0.54063	0.95	0.23620
0.47	-0.53167		
0.53	-0.54601		
0.57	-0.55257		
0.65	-0.56714		
0.71	-0.58411		
0.77	-0.57850		
0.83	-0.59317		
0.89	-0.59219		
0.95	-0.57896		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
32	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.7797	-1.79	-0.01	28.80 601.5	101.12 2111.9	67.67 1413.3	12.32 3.76	319.18 114.86

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.07043	0.05	-0.75692
0.06	-0.27997	0.10	-0.88265
0.11	-0.36188	0.20	-0.69232
0.17	-0.44673	0.35	-0.69008
0.23	-0.48649	0.50	-0.46969
0.29	-0.47729	0.65	-0.06792
0.35	-0.48083	0.80	0.12467
0.41	-0.50862	0.95	0.25829
0.47	-0.53882		
0.53	-0.56528		
0.57	-0.56348		
0.65	-0.50250		
0.71	-0.41100		
0.77	-0.29818		
0.83	-0.18309		
0.89	-0.05604		
0.95	0.06501		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8023	-6.45	-0.01	29.81 622.6	101.08 2111.2	66.17 1381.9	12.47 3.80	319.62 115.64

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.47327	0.05	-1.31696
0.06	0.17892	0.10	-1.31856
0.11	0.03943	0.20	-1.20748
0.17	-0.07175	0.35	-0.63610
0.23	-0.15203	0.50	-0.51001
0.29	-0.19725	0.65	-0.38167
0.35	-0.25073	0.80	-0.27554
0.41	-0.29918	0.95	-0.10606
0.47	-0.37664		
0.53	-0.45259		
0.57	-0.49359		
0.65	-0.58130		
0.71	-0.60510		
0.77	-0.51767		
0.83	-0.39587		
0.89	-0.28101		
0.95	-0.19907		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.8007	-5.21	-0.02	29.74 621.1	101.08 2111.2	66.27 1384.0	12.44 3.79	320.03 116.38

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.33841	0.05	-1.27161
0.06	0.07261	0.10	-1.24572
0.11	-0.04787	0.20	-1.14047
0.17	-0.16831	0.35	-0.84658
0.23	-0.23753	0.50	-0.47582
0.29	-0.26320	0.65	-0.32729
0.35	-0.29971	0.80	-0.17851
0.41	-0.34187	0.95	0.05149
0.47	-0.40961		
0.53	-0.48982		
0.57	-0.52856		
0.65	-0.58845		
0.71	-0.54265		
0.77	-0.39685		
0.83	-0.29203		
0.89	-0.18344		
0.95	-0.05937		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.7996	-4.07	-0.02	29.69 620.1	101.08 2111.2	66.34 1385.5	12.47 3.80	319.26 115.00

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.24056	0.05	-1.12636
0.06	-0.02309	0.10	-1.13396
0.11	-0.13799	0.20	-1.03039
0.17	-0.23012	0.35	-1.02721
0.23	-0.29879	0.50	-0.36565
0.29	-0.32488	0.65	-0.14622
0.35	-0.34097	0.80	-0.04041
0.41	-0.37641	0.95	0.15499
0.47	-0.44104		
0.53	-0.50410		
0.57	-0.52875		
0.65	-0.54041		
0.71	-0.43656		
0.77	-0.32689		
0.83	-0.22326		
0.89	-0.09077		
0.95	0.02779		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.7996	-3.05	-0.01	29.69 620.1	101.08 2111.2	66.34 1385.5	12.46 3.80	319.58 115.57

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.10982	0.05	-0.96291
0.06	-0.12577	0.10	-0.91852
0.11	-0.24881	0.20	-0.94149
0.17	-0.32194	0.35	-0.70552
0.23	-0.38546	0.50	-0.41279
0.29	-0.39118	0.65	-0.10431
0.35	-0.41369	0.80	0.00572
0.41	-0.44513	0.95	0.16277
0.47	-0.50171		
0.53	-0.56548		
0.57	-0.60313		
0.65	-0.55530		
0.71	-0.41526		
0.77	-0.29785		
0.83	-0.18693		
0.89	-0.05277		
0.95	0.07271		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.8002	-1.81	-0.01	29.71 620.6	101.08 2111.2	66.30 1384.8	12.46 3.80	319.62 115.64

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.02993	0.05	-0.74910
0.06	-0.25460	0.10	-0.87480
0.11	-0.35740	0.20	-0.70563
0.17	-0.45395	0.35	-0.67008
0.23	-0.50435	0.50	-0.55758
0.29	-0.47761	0.65	-0.08968
0.35	-0.49256	0.80	0.04340
0.41	-0.52006	0.95	0.21412
0.47	-0.54829		
0.53	-0.61899		
0.57	-0.64235		
0.65	-0.52376		
0.71	-0.40157		
0.77	-0.28580		
0.83	-0.16830		
0.89	-0.03761		
0.95	0.07666		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.7996	-0.58	-0.02	29.69 620.1	101.08 2111.2	66.34 1385.5	12.42 3.79	320.36 116.98

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.28119	0.05	-0.49598
0.06	-0.42448	0.10	-0.52602
0.11	-0.51661	0.20	-0.56257
0.17	-0.57323	0.35	-0.61595
0.23	-0.64949	0.50	-0.66046
0.29	-0.62402	0.65	-0.05759
0.35	-0.54513	0.80	0.13823
0.41	-0.56324	0.95	0.27358
0.47	-0.60586		
0.53	-0.66496		
0.57	-0.70914		
0.65	-0.56437		
0.71	-0.38056		
0.77	-0.27098		
0.83	-0.15758		
0.89	-0.03230		
0.95	0.07405		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.8012	0.50	-0.02	29.76 621.6	101.08 2111.2	66.23 1383.3	12.45 3.80	319.89 116.14

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.44945	0.05	-0.38224
0.06	-0.59621	0.10	-0.38982
0.11	-0.69934	0.20	-0.44684
0.17	-0.69316	0.35	-0.53978
0.23	-0.77688	0.50	-0.53181
0.29	-0.76599	0.65	-0.04815
0.35	-0.74222	0.80	0.18926
0.41	-0.71204	0.95	0.29997
0.47	-0.72246		
0.53	-0.71567		
0.57	-0.67022		
0.65	-0.50410		
0.71	-0.37564		
0.77	-0.26527		
0.83	-0.15312		
0.89	-0.03606		
0.95	0.06314		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.8000	1.74	-0.02	29.71 620.6	101.12 2111.9	66.34 1385.5	12.44 3.79	320.12 116.54

WING

UPPER SURFACE

X/C	CP
0.02	-0.64856
0.06	-0.88934
0.11	-0.91191
0.17	-0.96411
0.23	-0.94235
0.29	-0.92447
0.35	-0.86418
0.41	-0.83008
0.47	-0.85895
0.53	-0.88331
0.57	-0.84171
0.65	-0.41664
0.71	-0.33054
0.77	-0.24145
0.83	-0.14511
0.89	-0.03637
0.95	0.05585

LOWER SURFACE

X/C	CP
0.05	-0.18729
0.10	-0.26504
0.20	-0.33963
0.35	-0.44536
0.50	-0.46490
0.65	-0.03951
0.80	0.22464
0.95	0.32146

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.8016	2.95	-0.02	29.79 622.1	101.12 2111.9	66.23 1383.3	12.43 3.79	320.44 117.12

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.76333	0.05	-0.05524
0.06	-1.01590	0.10	-0.16071
0.11	-1.06586	0.20	-0.26174
0.17	-1.08537	0.35	-0.38958
0.23	-1.09430	0.50	-0.46303
0.29	-1.12620	0.65	-0.05104
0.35	-1.11540	0.80	0.21864
0.41	-1.03282	0.95	0.31882
0.47	-1.01378		
0.53	-0.87516		
0.57	-0.51855		
0.65	-0.39539		
0.71	-0.33462		
0.77	-0.26686		
0.83	-0.17369		
0.89	-0.11477		
0.95	-0.03723		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.8021	4.06	-0.01	29.81 622.6	101.12 2111.9	66.20 1382.6	12.45 3.79	320.23 116.75

WING

UPPER SURFACE

X/C	CP
0.02	-0.87629
0.06	-1.12877
0.11	-1.17251
0.17	-1.18043
0.23	-1.19130
0.29	-1.20478
0.35	-1.16426
0.41	-0.72633
0.47	-0.60947
0.53	-0.56519
0.57	-0.54163
0.65	-0.46872
0.71	-0.41402
0.77	-0.35225
0.83	-0.30442
0.89	-0.26779
0.95	-0.25935

LOWER SURFACE

X/C	CP
0.05	0.04104
0.10	-0.08203
0.20	-0.19570
0.35	-0.34275
0.50	-0.46164
0.65	-0.07778
0.80	0.20011
0.95	0.26262

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.8005	5.13	-0.02	29.74 621.1	101.12 2111.9	66.30 1384.7	12.43 3.79	320.25 116.78

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.98074	0.05	0.12791
0.06	-1.22604	0.10	-0.00484
0.11	-1.26695	0.20	-0.13843
0.17	-1.25709	0.35	-0.30191
0.23	-1.13772	0.50	-0.46369
0.29	-0.75202	0.65	-0.08912
0.35	-0.68499	0.80	0.19338
0.41	-0.65489	0.95	0.24097
0.47	-0.61946		
0.53	-0.58077		
0.57	-0.55065		
0.65	-0.49388		
0.71	-0.45309		
0.77	-0.40899		
0.83	-0.37956		
0.89	-0.34390		
0.95	-0.30050		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.8000	6.21	-0.01	29.71 620.6	101.12 2111.9	66.34 1385.5	12.42 3.79	320.44 117.12

WING

UPPER SURFACE

X/C	CP
0.02	-1.08748
0.06	-1.27853
0.11	-1.33023
0.17	-1.29451
0.23	-0.91102
0.29	-0.73667
0.35	-0.69031
0.41	-0.66541
0.47	-0.63972
0.53	-0.59692
0.57	-0.57437
0.65	-0.53021
0.71	-0.50128
0.77	-0.46074
0.83	-0.42676
0.89	-0.39462
0.95	-0.36410

LOWER SURFACE

X/C	CP
0.05	0.18149
0.10	0.06010
0.20	-0.10105
0.35	-0.26743
0.50	-0.45583
0.65	-0.09814
0.80	0.18262
0.95	0.22697

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.8007	7.23	-0.01	29.74 621.1	101.08 2111.2	66.27 1384.0	12.42 3.79	320.44 117.12

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.17987	0.05	0.27672
0.06	-1.29268	0.10	0.10889
0.11	-1.34229	0.20	-0.05109
0.17	-1.11351	0.35	-0.23504
0.23	-0.84764	0.50	-0.42653
0.29	-0.75144	0.65	-0.09564
0.35	-0.72002	0.80	0.18760
0.41	-0.67211	0.95	0.22846
0.47	-0.64257		
0.53	-0.62451		
0.57	-0.59994		
0.65	-0.55114		
0.71	-0.52114		
0.77	-0.49124		
0.83	-0.48027		
0.89	-0.44962		
0.95	-0.43244		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.8007	8.25	-0.02	29.74 621.1	101.08 2111.2	66.27 1384.0	12.43 3.79	320.29 116.85

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.02370	0.05	0.32552
0.06	-0.81556	0.10	0.17094
0.11	-0.93888	0.20	-0.00904
0.17	-0.85755	0.35	-0.19556
0.23	-0.85130	0.50	-0.39915
0.29	-0.71718	0.65	-0.09860
0.35	-0.71862	0.80	0.17795
0.41	-0.68043	0.95	0.22206
0.47	-0.65711		
0.53	-0.61475		
0.57	-0.61030		
0.65	-0.60174		
0.71	-0.59452		
0.77	-0.57144		
0.83	-0.57215		
0.89	-0.53854		
0.95	-0.49796		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.8010	9.26	-0.04	29.76 621.6	101.12 2111.9	66.27 1384.0	12.44 3.79	320.25 116.78

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.80162	0.05	0.38704
0.06	-0.78807	0.10	0.21687
0.11	-0.64981	0.20	0.03552
0.17	-0.68124	0.35	-0.15171
0.23	-0.61869	0.50	-0.37199
0.29	-0.63480	0.65	-0.09158
0.35	-0.62374	0.80	0.18435
0.41	-0.61423	0.95	0.21168
0.47	-0.62114		
0.53	-0.60892		
0.57	-0.60530		
0.65	-0.61778		
0.71	-0.61521		
0.77	-0.60530		
0.83	-0.60121		
0.89	-0.59679		
0.95	-0.56513		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.8016	11.32	-0.04	29.79 622.1	101.12 2111.9	66.23 1383.3	12.41 3.78	320.87 117.89

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.59056	0.05	0.48044
0.06	-0.60166	0.10	0.30305
0.11	-0.56398	0.20	0.12245
0.17	-0.56205	0.35	-0.08287
0.23	-0.57868	0.50	-0.31359
0.29	-0.57696	0.65	-0.08413
0.35	-0.62221	0.80	0.18004
0.41	-0.59853	0.95	0.20752
0.47	-0.58592		
0.53	-0.62512		
0.57	-0.64515		
0.65	-0.62599		
0.71	-0.61794		
0.77	-0.62039		
0.83	-0.60674		
0.89	-0.57911		
0.95	-0.55303		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.7984	13.48	0.02	29.65 619.2	101.12 2111.9	66.44 1387.6	12.40 3.78	320.61 117.42

WING

UPPER SURFACE

X/C	CP
0.02	-1.41867
0.06	-1.35320
0.11	-1.27479
0.17	-1.23998
0.23	-1.18217
0.29	-1.21613
0.35	-1.24809
0.41	-1.14322
0.47	-0.98463
0.53	-0.71923
0.57	-0.63372
0.65	-0.59422
0.71	-0.61130
0.77	-0.61290
0.83	-0.64232
0.89	-0.65569
0.95	-0.63595

LOWER SURFACE

X/C	CP
0.05	0.58670
0.10	0.40113
0.20	0.20904
0.35	-0.00603
0.50	-0.23994
0.65	-0.04810
0.80	0.20073
0.95	0.21567

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.7991	15.76	-0.01	29.67 619.6	101.08 2111.2	66.37 1386.2	12.39 3.78	320.81 117.79

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.48574	0.05	0.66937
0.06	-1.41788	0.10	0.50427
0.11	-1.41593	0.20	0.30024
0.17	-1.36440	0.35	0.08221
0.23	-1.31142	0.50	-0.14882
0.29	-1.27000	0.65	-0.00199
0.35	-1.24352	0.80	0.22142
0.41	-0.74906	0.95	0.23061
0.47	-0.58147		
0.53	-0.54191		
0.57	-0.62242		
0.65	-0.63634		
0.71	-0.62558		
0.77	-0.66097		
0.83	-0.66872		
0.89	-0.63505		
0.95	-0.63609		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.7984	17.75	0.02	29.65 619.2	101.12 2111.9	66.44 1387.6	12.38 3.77	321.03 118.19

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.45600	0.05	0.73951
0.06	-1.41028	0.10	0.58080
0.11	-1.42314	0.20	0.37180
0.17	-1.36774	0.35	0.15566
0.23	-1.31695	0.50	-0.07879
0.29	-1.25637	0.65	0.03986
0.35	-1.15803	0.80	0.24152
0.41	-0.85413	0.95	0.24578
0.47	-0.71260		
0.53	-0.67767		
0.57	-0.66770		
0.65	-0.65948		
0.71	-0.67248		
0.77	-0.65222		
0.83	-0.63000		
0.89	-0.70476		
0.95	-0.69753		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.7996	19.91	-0.29	29.69 620.1	101.08 2111.2	66.34 1385.5	12.40 3.78	320.77 117.72

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.46863	0.05	0.79362
0.06	-0.46084	0.10	0.64350
0.11	-0.47826	0.20	0.44325
0.17	-0.48964	0.35	0.22097
0.23	-0.48239	0.50	-0.00536
0.29	-0.48186	0.65	0.08028
0.35	-0.50184	0.80	0.26089
0.41	-0.50057	0.95	0.25236
0.47	-0.54044		
0.53	-0.52307		
0.57	-0.53918		
0.65	-0.56342		
0.71	-0.55695		
0.77	-0.54524		
0.83	-0.53368		
0.89	-0.57480		
0.95	-0.55759		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
33	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.7979	-1.94	-0.01	29.62 618.7	101.12 2111.9	66.47 1388.3	12.40 3.78	320.59 117.39

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.05493	0.05	-0.74199
0.06	-0.25194	0.10	-0.85030
0.11	-0.34699	0.20	-0.72927
0.17	-0.43294	0.35	-0.66917
0.23	-0.48027	0.50	-0.52360
0.29	-0.45521	0.65	-0.07170
0.35	-0.48042	0.80	0.06493
0.41	-0.51263	0.95	0.21773
0.47	-0.54381		
0.53	-0.58985		
0.57	-0.61331		
0.65	-0.53412		
0.71	-0.40016		
0.77	-0.28565		
0.83	-0.16932		
0.89	-0.04137		
0.95	0.07578		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8191	-6.33	-0.01	30.56 638.2	101.08 2111.2	65.05 1358.6	12.54 3.82	320.87 117.89

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.43455	0.05	-1.25553
0.06	0.16069	0.10	-1.25317
0.11	0.03594	0.20	-1.04824
0.17	-0.08864	0.35	-0.59471
0.23	-0.16856	0.50	-0.49700
0.29	-0.21231	0.65	-0.40059
0.35	-0.26726	0.80	-0.32745
0.41	-0.31685	0.95	-0.21174
0.47	-0.38699		
0.53	-0.45729		
0.57	-0.50656		
0.65	-0.57370		
0.71	-0.67014		
0.77	-0.72616		
0.83	-0.59362		
0.89	-0.35503		
0.95	-0.24489		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.8211	-5.23	-0.02	30.65 640.1	101.12 2111.9	64.95 1356.5	12.54 3.82	321.24 118.56

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.33709	0.05	-1.15870
0.06	0.07215	0.10	-1.17226
0.11	-0.05368	0.20	-1.09189
0.17	-0.15993	0.35	-0.59824
0.23	-0.22816	0.50	-0.45749
0.29	-0.26028	0.65	-0.35639
0.35	-0.31231	0.80	-0.26811
0.41	-0.35660	0.95	-0.13089
0.47	-0.42681		
0.53	-0.50880		
0.57	-0.55881		
0.65	-0.62296		
0.71	-0.68891		
0.77	-0.73064		
0.83	-0.40635		
0.89	-0.25883		
0.95	-0.17978		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.8197	-4.08	-0.02	30.58 638.6	101.08 2111.2	65.02 1357.9	12.55 3.82	320.79 117.76

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.23938	0.05	-1.06294
0.06	-0.01904	0.10	-1.02842
0.11	-0.15369	0.20	-0.98555
0.17	-0.24455	0.35	-0.99630
0.23	-0.31639	0.50	-0.40508
0.29	-0.32596	0.65	-0.26213
0.35	-0.37429	0.80	-0.13104
0.41	-0.41471	0.95	0.10313
0.47	-0.46578		
0.53	-0.52958		
0.57	-0.56860		
0.65	-0.61845		
0.71	-0.69928		
0.77	-0.41059		
0.83	-0.23340		
0.89	-0.13186		
0.95	-0.00927		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.8200	-2.92	-0.01	30.61 639.2	101.12 2111.9	65.02 1357.9	12.54 3.82	321.00 118.13

WING

UPPER SURFACE

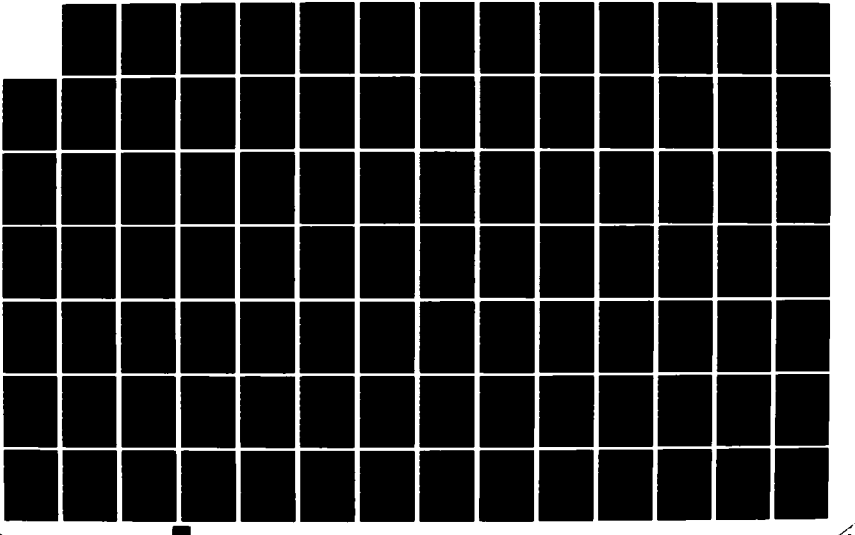
X/C	CP
0.02	0.12030
0.06	-0.14085
0.11	-0.23400
0.17	-0.34659
0.23	-0.41528
0.29	-0.41205
0.35	-0.42981
0.41	-0.45632
0.47	-0.49486
0.53	-0.57595
0.57	-0.62762
0.65	-0.68098
0.71	-0.50103
0.77	-0.27763
0.83	-0.17014
0.89	-0.04952
0.95	0.06362

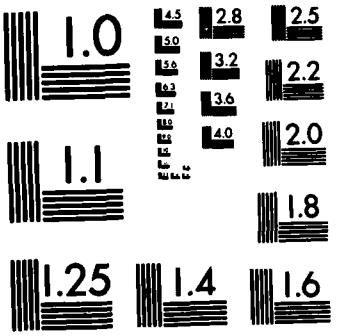
LOWER SURFACE

X/C	CP
0.05	-0.90153
0.10	-0.85904
0.20	-0.90292
0.35	-0.77186
0.50	-0.36734
0.65	-0.17754
0.80	-0.09997
0.95	0.09150

AD-A124 868 FORCE AND PRESSURE MEASUREMENTS ON A RESEARCH MODEL WITH A LOW- MID- AND . (U) GENERAL DYNAMICS FORT WORTH TX FORT WORTH DIV R A COX DEC 82 FZA-540-VOL-2 7/9

UNCLASSIFIED N00014-82-C-0340 F/G 1/3 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.8205	-1.86	-0.01	30.62 639.6	101.12 2111.9	64.98 1357.2	12.57 3.83	320.62 117.45

WING

UPPER SURFACE

X/C	CP
0.02	-0.04951
0.06	-0.26796
0.11	-0.35307
0.17	-0.45370
0.23	-0.52169
0.29	-0.50568
0.35	-0.49261
0.41	-0.50431
0.47	-0.55277
0.53	-0.61896
0.57	-0.65898
0.65	-0.72260
0.71	-0.50135
0.77	-0.25710
0.83	-0.15490
0.89	-0.03727
0.95	0.06347

LOWER SURFACE

X/C	CP
0.05	-0.68947
0.10	-0.79908
0.20	-0.74370
0.35	-0.64826
0.50	-0.43577
0.65	-0.15630
0.80	-0.08012
0.95	0.11448

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.8195	-0.80	-0.01	30.58 638.7	101.12 2111.9	65.05 1358.6	12.54 3.82	321.02 118.16

WING

UPPER SURFACE

X/C	CP
0.02	-0.21307
0.06	-0.39160
0.11	-0.48269
0.17	-0.56085
0.23	-0.61842
0.29	-0.63428
0.35	-0.62874
0.41	-0.61820
0.47	-0.63275
0.53	-0.65809
0.57	-0.67916
0.65	-0.70395
0.71	-0.37951
0.77	-0.23552
0.83	-0.13365
0.89	-0.02319
0.95	0.07539

LOWER SURFACE

X/C	CP
0.05	-0.54997
0.10	-0.59064
0.20	-0.58642
0.35	-0.60413
0.50	-0.67736
0.65	-0.14714
0.80	-0.04060
0.95	0.15209

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.8190	0.51	-0.02	30.56 638.2	101.12 2111.9	65.09 1359.4	12.56 3.83	320.42 117.08

WING

UPPER SURFACE

X/C	CP
0.02	-0.40217
0.06	-0.56721
0.11	-0.72630
0.17	-0.64154
0.23	-0.75076
0.29	-0.75904
0.35	-0.76276
0.41	-0.77969
0.47	-0.78917
0.53	-0.80521
0.57	-0.85189
0.65	-0.58331
0.71	-0.31289
0.77	-0.21228
0.83	-0.11614
0.89	-0.01926
0.95	0.05883

LOWER SURFACE

X/C	CP
0.05	-0.37483
0.10	-0.39692
0.20	-0.43781
0.35	-0.53747
0.50	-0.85312
0.65	-0.06744
0.80	0.12460
0.95	0.28005

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.8205	1.90	-0.02	30.62 639.6	101.12 2111.9	64.98 1357.2	12.55 3.83	320.88 117.92

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.58749	0.05	-0.17129
0.06	-0.81314	0.10	-0.26608
0.11	-0.87774	0.20	-0.34912
0.17	-0.92092	0.35	-0.46616
0.23	-0.96029	0.50	-0.76785
0.29	-0.97008	0.65	-0.04809
0.35	-0.89581	0.80	0.18424
0.41	-0.83137	0.95	0.29385
0.47	-0.87666		
0.53	-0.94123		
0.57	-0.99849		
0.65	-0.41019		
0.71	-0.29949		
0.77	-0.22975		
0.83	-0.16999		
0.89	-0.08288		
0.95	-0.01228		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.8205	2.82	-0.01	30.62 639.6	101.12 2111.9	64.98 1357.2	12.55 3.82	321.00 118.13

WING

UPPER SURFACE

X/C	CP
0.02	-0.70165
0.06	-0.92442
0.11	-1.00340
0.17	-1.00452
0.23	-1.04609
0.29	-1.07208
0.35	-1.07515
0.41	-1.05261
0.47	-0.92337
0.53	-0.70974
0.57	-0.50855
0.65	-0.41050
0.71	-0.35919
0.77	-0.32561
0.83	-0.28294
0.89	-0.21049
0.95	-0.13006

LOWER SURFACE

X/C	CP
0.05	-0.07121
0.10	-0.19584
0.20	-0.29236
0.35	-0.43449
0.50	-0.75697
0.65	-0.07574
0.80	0.16890
0.95	0.26172

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.8216	4.03	-0.01	30.67 640.6	101.12 2111.9	64.91 1355.7	12.56 3.83	320.98 118.09

WING

UPPER SURFACE

X/C	CP
0.02	-0.77850
0.06	-1.02583
0.11	-1.09820
0.17	-1.09740
0.23	-1.12558
0.29	-1.11390
0.35	-0.92614
0.41	-0.61206
0.47	-0.54096
0.53	-0.52326
0.57	-0.50905
0.65	-0.45372
0.71	-0.41980
0.77	-0.37714
0.83	-0.34642
0.89	-0.31372
0.95	-0.27934

LOWER SURFACE

X/C	CP
0.05	0.03111
0.10	-0.10747
0.20	-0.23718
0.35	-0.38066
0.50	-0.70217
0.65	-0.08897
0.80	0.18039
0.95	0.24444

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.8211	4.94	-0.02	30.65 640.1	101.12 2111.9	64.95 1356.5	12.54 3.82	321.18 118.46

WING

UPPER SURFACE

X/C	CP
0.02	-0.86123
0.06	-1.11280
0.11	-1.15036
0.17	-1.15803
0.23	-1.10954
0.29	-0.76178
0.35	-0.63589
0.41	-0.59481
0.47	-0.57447
0.53	-0.55219
0.57	-0.52376
0.65	-0.48463
0.71	-0.44750
0.77	-0.41555
0.83	-0.39785
0.89	-0.38105
0.95	-0.35037

LOWER SURFACE

X/C	CP
0.05	0.08419
0.10	-0.05212
0.20	-0.18263
0.35	-0.33439
0.50	-0.66824
0.65	-0.09985
0.80	0.17309
0.95	0.23367

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.8195	6.17	-0.01	30.58 638.7	101.12 2111.9	65.05 1358.6	12.54 3.82	321.07 118.26

WING

UPPER SURFACE

X/C	CP
0.02	-0.96040
0.06	-1.19303
0.11	-1.24360
0.17	-1.22328
0.23	-0.96964
0.29	-0.70016
0.35	-0.65047
0.41	-0.62487
0.47	-0.61173
0.53	-0.57999
0.57	-0.56201
0.65	-0.52352
0.71	-0.48871
0.77	-0.45913
0.83	-0.43313
0.89	-0.41429
0.95	-0.39083

LOWER SURFACE

X/C	CP
0.05	0.16841
0.10	0.03199
0.20	-0.11349
0.35	-0.29230
0.50	-0.62289
0.65	-0.11414
0.80	0.16995
0.95	0.22712

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.8223	7.33	-0.01	30.69 641.0	101.08 2111.2	64.84 1354.3	12.54 3.82	321.22 118.53

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.09547	0.05	0.24669
0.06	-1.24069	0.10	0.10666
0.11	-1.27929	0.20	-0.05364
0.17	-1.20521	0.35	-0.24688
0.23	-0.83329	0.50	-0.56815
0.29	-0.72467	0.65	-0.11221
0.35	-0.70189	0.80	0.17701
0.41	-0.67862	0.95	0.22564
0.47	-0.64065		
0.53	-0.61964		
0.57	-0.58382		
0.65	-0.55010		
0.71	-0.53936		
0.77	-0.52091		
0.83	-0.50743		
0.89	-0.47936		
0.95	-0.45995		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.8223	8.31	-0.02	30.69 641.0	101.08 2111.2	64.84 1354.3	12.51 3.81	321.86 119.67

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.04346	0.05	0.33041
0.06	-1.00155	0.10	0.17402
0.11	-0.98756	0.20	-0.00303
0.17	-1.05566	0.35	-0.19847
0.23	-0.89131	0.50	-0.46487
0.29	-0.71888	0.65	-0.10095
0.35	-0.70079	0.80	0.18249
0.41	-0.63910	0.95	0.23342
0.47	-0.60628		
0.53	-0.61671		
0.57	-0.60769		
0.65	-0.61019		
0.71	-0.58273		
0.77	-0.56956		
0.83	-0.56258		
0.89	-0.54765		
0.95	-0.51150		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.8219	9.26	-0.03	30.70 641.1	101.15 2112.6	64.91 1355.7	12.53 3.82	321.63 119.27

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.86367	0.05	0.37380
0.06	-0.74667	0.10	0.21495
0.11	-0.67372	0.20	0.02902
0.17	-0.74431	0.35	-0.17043
0.23	-0.63342	0.50	-0.42021
0.29	-0.60722	0.65	-0.09966
0.35	-0.59707	0.80	0.18086
0.41	-0.60809	0.95	0.23073
0.47	-0.61961		
0.53	-0.62626		
0.57	-0.63472		
0.65	-0.60179		
0.71	-0.61406		
0.77	-0.61112		
0.83	-0.60287		
0.89	-0.60230		
0.95	-0.57041		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.8200	11.37	-0.06	30.61 639.2	101.12 2111.9	65.02 1357.9	12.53 3.82	321.17 118.43

WING

UPPER SURFACE

X/C	CP
0.02	-0.58359
0.06	-0.57497
0.11	-0.54011
0.17	-0.53730
0.23	-0.54632
0.29	-0.56080
0.35	-0.60259
0.41	-0.59234
0.47	-0.57823
0.53	-0.57792
0.57	-0.58713
0.65	-0.60589
0.71	-0.58512
0.77	-0.59082
0.83	-0.58955
0.89	-0.57792
0.95	-0.56803

LOWER SURFACE

X/C	CP
0.05	0.47103
0.10	0.31249
0.20	0.11356
0.35	-0.10035
0.50	-0.35236
0.65	-0.08525
0.80	0.18644
0.95	0.22483

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.8184	13.70	0.03	30.53 637.7	101.12 2111.9	65.12 1360.1	12.50 3.81	321.69 119.37

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.41006	0.05	0.59265
0.06	-1.28213	0.10	0.41121
0.11	-1.26374	0.20	0.21492
0.17	-1.29583	0.35	-0.00419
0.23	-1.27908	0.50	-0.23551
0.29	-1.21825	0.65	-0.03993
0.35	-0.78891	0.80	0.21199
0.41	-0.54104	0.95	0.23472
0.47	-0.53653		
0.53	-0.56768		
0.57	-0.58572		
0.65	-0.59252		
0.71	-0.59202		
0.77	-0.59640		
0.83	-0.61461		
0.89	-0.64793		
0.95	-0.65089		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.8202	15.74	0.02	30.60 639.1	101.08 2111.2	64.98 1357.2	12.50 3.81	321.69 119.37

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.46795	0.05	0.67094
0.06	-1.36673	0.10	0.49560
0.11	-1.38230	0.20	0.30126
0.17	-1.37477	0.35	0.07955
0.23	-1.39354	0.50	-0.15168
0.29	-1.43304	0.65	0.00381
0.35	-1.40042	0.80	0.23499
0.41	-1.10886	0.95	0.25446
0.47	-0.58045		
0.53	-0.51479		
0.57	-0.52575		
0.65	-0.57061		
0.71	-0.58825		
0.77	-0.62188		
0.83	-0.63864		
0.89	-0.61105		
0.95	-0.64869		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.8213	17.92	0.02	30.65 640.1	101.08 2111.2	64.91 1355.7	12.52 3.82	321.59 119.20

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-1.41557	0.05	0.75501
	0.06	-1.36667	0.10	0.58989
	0.11	-1.35656	0.20	0.38561
	0.17	-1.37599	0.35	0.17206
	0.23	-1.33337	0.50	-0.05658
	0.29	-1.26565	0.65	0.06019
	0.35	-1.31467	0.80	0.26686
	0.41	-0.91667	0.95	0.27457
	0.47	-0.56634		
	0.53	-0.63876		
	0.57	-0.63123		
	0.65	-0.62253		
	0.71	-0.62571		
	0.77	-0.63339		
	0.83	-0.66376		
	0.89	-0.62745		
	0.95	-0.65199		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.8211	19.90	-0.26	30.65 640.1	101.12 2111.9	64.95 1356.5	12.53 3.82	321.44 118.93

WING

UPPER SURFACE

X/C	CP
0.02	-0.49629
0.06	-0.48361
0.11	-0.48765
0.17	-0.49104
0.23	-0.49122
0.29	-0.48874
0.35	-0.49192
0.41	-0.51383
0.47	-0.51470
0.53	-0.51072
0.57	-0.52209
0.65	-0.54044
0.71	-0.54702
0.77	-0.54579
0.83	-0.56072
0.89	-0.56299
0.95	-0.55187

LOWER SURFACE

X/C	CP
0.05	0.78996
0.10	0.64526
0.20	0.44730
0.35	0.22739
0.50	0.00585
0.65	0.09886
0.80	0.28097
0.95	0.28089

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
34	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.8184	-1.92	-0.01	30.53 637.7	101.12 2111.9	65.12 1360.1	12.54 3.82	320.92 117.99

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.04843	0.05	-0.71532
0.06	-0.24070	0.10	-0.82730
0.11	-0.35778	0.20	-0.76212
0.17	-0.43425	0.35	-0.64188
0.23	-0.50032	0.50	-0.44017
0.29	-0.49196	0.65	-0.15553
0.35	-0.47040	0.80	-0.07279
0.41	-0.50990	0.95	0.10669
0.47	-0.55884		
0.53	-0.59813		
0.57	-0.65627		
0.65	-0.70592		
0.71	-0.43929		
0.77	-0.26378		
0.83	-0.15912		
0.89	-0.04449		
0.95	0.05890		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8507	-6.25	-0.02	31.91 666.4	101.08 2111.2	62.98 1315.3	12.67 3.86	322.49 120.82

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	0.41845	0.05	-1.13941
	0.06	0.15904	0.10	-1.13183
	0.11	0.03075	0.20	-1.04912
	0.17	-0.08174	0.35	-0.53008
	0.23	-0.17403	0.50	-0.46971
	0.29	-0.21454	0.65	-0.44329
	0.35	-0.25089	0.80	-0.42511
	0.41	-0.29533	0.95	-0.34856
	0.47	-0.35966		
	0.53	-0.45378		
	0.57	-0.50498		
	0.65	-0.58654		
	0.71	-0.66464		
	0.77	-0.73339		
	0.83	-0.78602		
	0.89	-0.83714		
	0.95	-0.48122		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.8502	-5.16	-0.02	31.88 665.9	101.08 2111.2	63.01 1316.0	12.67 3.86	322.57 120.95

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.34821	0.05	-1.06154
0.06	0.08148	0.10	-1.06326
0.11	-0.04203	0.20	-0.99448
0.17	-0.15367	0.35	-0.52077
0.23	-0.23784	0.50	-0.42634
0.29	-0.26820	0.65	-0.38282
0.35	-0.30618	0.80	-0.33883
0.41	-0.34584	0.95	-0.26711
0.47	-0.40360		
0.53	-0.48684		
0.57	-0.54806		
0.65	-0.61614		
0.71	-0.70656		
0.77	-0.76803		
0.83	-0.82217		
0.89	-0.61498		
0.95	-0.31096		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.8497	-4.08	-0.02	31.86 665.5	101.08 2111.2	63.04 1316.7	12.64 3.85	323.02 121.76

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.23328	0.05	-0.98039
0.06	-0.02269	0.10	-0.93335
0.11	-0.13824	0.20	-0.92030
0.17	-0.23563	0.35	-0.86847
0.23	-0.31075	0.50	-0.39929
0.29	-0.33442	0.65	-0.35754
0.35	-0.36967	0.80	-0.29628
0.41	-0.40726	0.95	-0.15768
0.47	-0.45326		
0.53	-0.52934		
0.57	-0.58231		
0.65	-0.65175		
0.71	-0.73586		
0.77	-0.79413		
0.83	-0.47066		
0.89	-0.25013		
0.95	-0.19043		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.8520	-3.00	-0.01	31.97 667.7	101.12 2111.9	62.91 1314.0	12.71 3.88	321.97 119.88

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.12397	0.05	-0.84377
0.06	-0.12230	0.10	-0.76437
0.11	-0.22926	0.20	-0.84019
0.17	-0.31393	0.35	-0.89191
0.23	-0.40783	0.50	-0.42974
0.29	-0.41784	0.65	-0.32065
0.35	-0.44988	0.80	-0.23575
0.41	-0.46101	0.95	-0.03573
0.47	-0.50449		
0.53	-0.57114		
0.57	-0.62182		
0.65	-0.68533		
0.71	-0.76416		
0.77	-0.55800		
0.83	-0.21440		
0.89	-0.13287		
0.95	-0.08038		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.8507	-1.91	-0.01	31.91 666.4	101.08 2111.2	62.98 1315.3	12.65 3.86	323.02 121.76

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.01904	0.05	-0.67301
0.06	-0.22994	0.10	-0.74119
0.11	-0.32225	0.20	-0.69826
0.17	-0.40182	0.35	-0.73600
0.23	-0.50976	0.50	-0.59940
0.29	-0.52798	0.65	-0.23453
0.35	-0.53459	0.80	-0.19584
0.41	-0.55355	0.95	-0.07693
0.47	-0.58909		
0.53	-0.62457		
0.57	-0.66615		
0.65	-0.71403		
0.71	-0.77811		
0.77	-0.30501		
0.83	-0.16403		
0.89	-0.09665		
0.95	-0.04437		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.8502	-0.80	-0.02	31.88 665.9	101.08 2111.2	63.01 1316.0	12.67 3.86	322.53 120.89

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.16039	0.05	-0.51918
0.06	-0.35249	0.10	-0.64645
0.11	-0.43681	0.20	-0.60214
0.17	-0.51257	0.35	-0.56831
0.23	-0.58713	0.50	-0.81091
0.29	-0.61534	0.65	-0.23163
0.35	-0.61397	0.80	-0.19306
0.41	-0.63610	0.95	-0.05396
0.47	-0.68746		
0.53	-0.72187		
0.57	-0.77301		
0.65	-0.77882		
0.71	-0.42060		
0.77	-0.22913		
0.83	-0.15293		
0.89	-0.09712		
0.95	-0.03533		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.8507	0.40	-0.02	31.91 666.4	101.08 2111.2	62.98 1315.3	12.67 3.86	322.53 120.89

WING

UPPER SURFACE

X/C	CP
0.02	-0.33265
0.06	-0.49279
0.11	-0.64647
0.17	-0.58536
0.23	-0.67439
0.29	-0.69295
0.35	-0.70206
0.41	-0.71926
0.47	-0.75366
0.53	-0.80407
0.57	-0.86099
0.65	-0.48149
0.71	-0.27996
0.77	-0.21288
0.83	-0.15406
0.89	-0.09316
0.95	-0.03567

LOWER SURFACE

X/C	CP
0.05	-0.36802
0.10	-0.41283
0.20	-0.47797
0.35	-0.51667
0.50	-0.84038
0.65	-0.24189
0.80	-0.18860
0.95	0.00343

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.8487	1.67	-0.02	31.82 664.6	101.08 2111.2	63.11 1318.1	12.67 3.86	322.36 120.58

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.45158	0.05	-0.22422
0.06	-0.70693	0.10	-0.31704
0.11	-0.77850	0.20	-0.38734
0.17	-0.81609	0.35	-0.48993
0.23	-0.87477	0.50	-0.79297
0.29	-0.86134	0.65	-0.24062
0.35	-0.86276	0.80	-0.16236
0.41	-0.82189	0.95	0.02113
0.47	-0.79864		
0.53	-0.85267		
0.57	-0.73431		
0.65	-0.32803		
0.71	-0.27205		
0.77	-0.22390		
0.83	-0.18438		
0.89	-0.14823		
0.95	-0.11228		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.8525	2.69	-0.01	31.99 668.2	101.12 2111.9	62.88 1313.3	12.64 3.85	323.56 122.74

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.56691	0.05	-0.11349
0.06	-0.81355	0.10	-0.19428
0.11	-0.88000	0.20	-0.29816
0.17	-0.88901	0.35	-0.43733
0.23	-0.96039	0.50	-0.76151
0.29	-0.98921	0.65	-0.22641
0.35	-0.98505	0.80	-0.09298
0.41	-0.96289	0.95	0.09423
0.47	-0.55323		
0.53	-0.51365		
0.57	-0.41851		
0.65	-0.39507		
0.71	-0.37063		
0.77	-0.33841		
0.83	-0.31474		
0.89	-0.26037		
0.95	-0.23141		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.8522	4.04	-0.02	31.97 667.7	101.08 2111.2	62.88 1313.3	12.68 3.87	322.55 120.92

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.65967	0.05	-0.00112
0.06	-0.92178	0.10	-0.09586
0.11	-0.98946	0.20	-0.22353
0.17	-1.00362	0.35	-0.37533
0.23	-1.03434	0.50	-0.72381
0.29	-1.00619	0.65	-0.22644
0.35	-0.62027	0.80	-0.06617
0.41	-0.49866	0.95	0.13934
0.47	-0.48452		
0.53	-0.45741		
0.57	-0.44947		
0.65	-0.41466		
0.71	-0.41235		
0.77	-0.38777		
0.83	-0.36571		
0.89	-0.33396		
0.95	-0.32712		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.8502	5.10	-0.02	31.88 665.9	101.08 2111.2	63.01 1316.0	12.66 3.86	322.74 121.26

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.75056	0.05	0.09231
0.06	-1.00213	0.10	-0.04468
0.11	-1.05811	0.20	-0.17672
0.17	-1.05831	0.35	-0.33775
0.23	-1.02750	0.50	-0.69344
0.29	-0.70190	0.65	-0.20813
0.35	-0.56833	0.80	-0.00282
0.41	-0.55052	0.95	0.17966
0.47	-0.52890		
0.53	-0.50264		
0.57	-0.48375		
0.65	-0.45795		
0.71	-0.45996		
0.77	-0.44547		
0.83	-0.43228		
0.89	-0.40515		
0.95	-0.39638		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.8515	6.15	-0.01	31.95 667.3	101.12 2111.9	62.95 1314.7	12.67 3.86	322.66 121.12

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.85137	0.05	0.17134
0.06	-1.07317	0.10	0.03918
0.11	-1.12502	0.20	-0.10988
0.17	-1.11765	0.35	-0.28589
0.23	-0.95994	0.50	-0.65041
0.29	-0.64593	0.65	-0.14943
0.35	-0.60979	0.80	0.10344
0.41	-0.59610	0.95	0.20053
0.47	-0.57284		
0.53	-0.54176		
0.57	-0.53574		
0.65	-0.51395		
0.71	-0.50094		
0.77	-0.48287		
0.83	-0.46696		
0.89	-0.46116		
0.95	-0.43667		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.8502	7.22	-0.01	31.88 665.9	101.08 2111.2	63.01 1316.0	12.66 3.86	322.68 121.15

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.95598	0.05	0.25583
0.06	-1.13095	0.10	0.10555
0.11	-1.18766	0.20	-0.05572
0.17	-1.16996	0.35	-0.24847
0.23	-0.85709	0.50	-0.61143
0.29	-0.68252	0.65	-0.10782
0.35	-0.64559	0.80	0.16175
0.41	-0.62116	0.95	0.22955
0.47	-0.60056		
0.53	-0.58377		
0.57	-0.57864		
0.65	-0.56418		
0.71	-0.53766		
0.77	-0.52945		
0.83	-0.51547		
0.89	-0.51251		
0.95	-0.48694		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.8487	8.48	-0.01	31.82 664.6	101.08 2111.2	63.11 1318.1	12.63 3.85	323.02 121.76

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.04410	0.05	0.33428
0.06	-1.15525	0.10	0.17288
0.11	-1.18577	0.20	-0.00108
0.17	-0.88446	0.35	-0.19934
0.23	-0.83075	0.50	-0.55824
0.29	-0.73262	0.65	-0.09058
0.35	-0.68381	0.80	0.18539
0.41	-0.64821	0.95	0.23637
0.47	-0.61808		
0.53	-0.61293		
0.57	-0.60891		
0.65	-0.59374		
0.71	-0.59021		
0.77	-0.57336		
0.83	-0.58367		
0.89	-0.57318		
0.95	-0.54576		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.8502	9.43	-0.03	31.88 665.9	101.08 2111.2	63.01 1316.0	12.61 3.84	323.77 123.11

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.79531	0.05	0.38714
0.06	-0.77264	0.10	0.22151
0.11	-0.75390	0.20	0.04929
0.17	-0.64482	0.35	-0.15445
0.23	-0.63844	0.50	-0.51383
0.29	-0.59395	0.65	-0.09372
0.35	-0.57943	0.80	0.19076
0.41	-0.61052	0.95	0.24048
0.47	-0.61047		
0.53	-0.57482		
0.57	-0.60010		
0.65	-0.61653		
0.71	-0.58069		
0.77	-0.60072		
0.83	-0.60524		
0.89	-0.59285		
0.95	-0.57801		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.8512	11.57	-0.10	31.93 666.8	101.08 2111.2	62.95 1314.7	12.62 3.85	323.58 122.77

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.58545	0.05	0.49378
0.06	-0.57524	0.10	0.32710
0.11	-0.56013	0.20	0.13579
0.17	-0.55131	0.35	-0.08361
0.23	-0.56608	0.50	-0.36803
0.29	-0.57037	0.65	-0.06958
0.35	-0.56324	0.80	0.21018
0.41	-0.58815	0.95	0.25502
0.47	-0.60674		
0.53	-0.61561		
0.57	-0.59586		
0.65	-0.60047		
0.71	-0.60660		
0.77	-0.61398		
0.83	-0.60820		
0.89	-0.62441		
0.95	-0.60398		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.8492	13.70	0.01	31.84 665.0	101.08 2111.2	63.08 1317.4	12.60 3.84	323.69 122.97

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-1.34413	0.05	0.59265
	0.06	-1.30403	0.10	0.41786
	0.11	-1.25934	0.20	0.22508
	0.17	-1.23267	0.35	0.00120
	0.23	-1.22082	0.50	-0.24466
	0.29	-1.20793	0.65	-0.02058
	0.35	-1.00028	0.80	0.24032
	0.41	-0.60575	0.95	0.27080
	0.47	-0.51189		
	0.53	-0.56495		
	0.57	-0.56728		
	0.65	-0.57673		
	0.71	-0.58830		
	0.77	-0.59864		
	0.83	-0.61890		
	0.89	-0.62384		
	0.95	-0.66492		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.8502	15.78	-0.14	31.88 665.9	101.08 2111.2	63.01 1316.0	12.60 3.84	323.84 123.24

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.51741	0.05	0.66850
0.06	-0.51478	0.10	0.51364
0.11	-0.62901	0.20	0.31446
0.17	-0.53333	0.35	0.08948
0.23	-0.53789	0.50	-0.14902
0.29	-0.54815	0.65	0.02447
0.35	-0.56181	0.80	0.26405
0.41	-0.56058	0.95	0.28732
0.47	-0.57093		
0.53	-0.58024		
0.57	-0.57995		
0.65	-0.59579		
0.71	-0.62004		
0.77	-0.62388		
0.83	-0.62107		
0.89	-0.61501		
0.95	-0.61659		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.8512	17.94	-0.18	31.93 666.8	101.08 2111.2	62.95 1314.7	12.62 3.85	323.58 122.77

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.50171	0.05	0.74678
0.06	-0.48895	0.10	0.58332
0.11	-0.48798	0.20	0.39059
0.17	-0.50130	0.35	0.17533
0.23	-0.50038	0.50	-0.05346
0.29	-0.51884	0.65	0.07806
0.35	-0.54309	0.80	0.28933
0.41	-0.51930	0.95	0.30661
0.47	-0.53198		
0.53	-0.54936		
0.57	-0.55941		
0.65	-0.56410		
0.71	-0.57402		
0.77	-0.57458		
0.83	-0.58454		
0.89	-0.58656		
0.95	-0.57250		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.8472	20.05	-0.36	31.76 663.3	101.08 2111.2	63.21 1320.1	12.60 3.84	323.43 122.50

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.47294	0.05	0.80626
0.06	-0.46918	0.10	0.65208
0.11	-0.47282	0.20	0.46296
0.17	-0.46073	0.35	0.25091
0.23	-0.46039	0.50	0.01747
0.29	-0.45727	0.65	0.11629
0.35	-0.47230	0.80	0.30273
0.41	-0.48321	0.95	0.30745
0.47	-0.50769		
0.53	-0.49146		
0.57	-0.50142		
0.65	-0.50265		
0.71	-0.54156		
0.77	-0.55061		
0.83	-0.53584		
0.89	-0.52136		
0.95	-0.52716		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
35	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.8500	-1.91	-0.01	31.89 666.0	101.12 2111.9	63.04 1316.7	12.64 3.85	323.06 121.83

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-0.01668	0.05	-0.65814
	0.06	-0.22837	0.10	-0.74293
	0.11	-0.32095	0.20	-0.69890
	0.17	-0.41213	0.35	-0.75762
	0.23	-0.50234	0.50	-0.55822
	0.29	-0.51133	0.65	-0.22608
	0.35	-0.51792	0.80	-0.18608
	0.41	-0.54428	0.95	-0.07168
	0.47	-0.55657		
	0.53	-0.80733		
	0.57	-0.66510		
	0.65	-0.70841		
	0.71	-0.77252		
	0.77	-0.29473		
	0.83	-0.15299		
	0.89	-0.08532		
	0.95	-0.02535		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8996	-6.37	-0.02	33.86 707.2	101.05 2110.5	59.77 1248.3	12.79 3.90	325.89 126.94

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.44832	0.05	-0.98013
0.06	0.18972	0.10	-0.99471
0.11	0.06308	0.20	-0.95672
0.17	-0.05259	0.35	-0.89339
0.23	-0.13599	0.50	-0.50923
0.29	-0.17312	0.65	-0.51198
0.35	-0.20988	0.80	-0.52044
0.41	-0.25386	0.95	-0.48374
0.47	-0.31485		
0.53	-0.38494		
0.57	-0.44814		
0.65	-0.52340		
0.71	-0.60664		
0.77	-0.67070		
0.83	-0.72308		
0.89	-0.77696		
0.95	-0.78857		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.9004	-5.26	-0.01	33.90 708.1	101.08 2111.2	59.74 1247.7	12.83 3.91	325.22 125.73

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.36116	0.05	-0.88678
0.06	0.08616	0.10	-0.91018
0.11	-0.02254	0.20	-0.87825
0.17	-0.12708	0.35	-0.92809
0.23	-0.21457	0.50	-0.49379
0.29	-0.23359	0.65	-0.47604
0.35	-0.26627	0.80	-0.48003
0.41	-0.31139	0.95	-0.47742
0.47	-0.36242		
0.53	-0.42991		
0.57	-0.48368		
0.65	-0.55320		
0.71	-0.63140		
0.77	-0.70184		
0.83	-0.75304		
0.89	-0.80214		
0.95	-0.78593		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.9021	-4.06	-0.01	33.96 709.2	101.05 2110.5	59.61 1244.9	12.82 3.91	325.52 126.27

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.25198	0.05	-0.79206
0.06	0.00291	0.10	-0.77412
0.11	-0.11305	0.20	-0.77552
0.17	-0.20840	0.35	-0.81132
0.23	-0.30157	0.50	-0.68551
0.29	-0.31718	0.65	-0.49283
0.35	-0.35431	0.80	-0.46336
0.41	-0.38026	0.95	-0.40846
0.47	-0.41739		
0.53	-0.48880		
0.57	-0.54549		
0.65	-0.59146		
0.71	-0.67566		
0.77	-0.74674		
0.83	-0.79422		
0.89	-0.82098		
0.95	-0.42803		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.9016	-2.98	-0.01	33.94 708.8	101.05 2110.5	59.64 1245.6	12.78 3.90	326.31 127.68

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.12706	0.05	-0.67631
0.06	-0.11287	0.10	-0.65136
0.11	-0.18885	0.20	-0.74372
0.17	-0.29225	0.35	-0.78104
0.23	-0.39259	0.50	-0.93252
0.29	-0.41506	0.65	-0.48793
0.35	-0.42623	0.80	-0.44360
0.41	-0.44948	0.95	-0.34434
0.47	-0.49617		
0.53	-0.54323		
0.57	-0.59464		
0.65	-0.64953		
0.71	-0.72633		
0.77	-0.78590		
0.83	-0.81806		
0.89	-0.32994		
0.95	-0.30353		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.9001	-1.92	-0.01	33.88 707.6	101.05 2110.5	59.74 1247.6	12.78 3.90	326.14 127.38

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.03925	0.05	-0.55246
0.06	-0.18938	0.10	-0.62135
0.11	-0.29104	0.20	-0.59755
0.17	-0.37414	0.35	-0.74183
0.23	-0.45123	0.50	-0.81726
0.29	-0.48907	0.65	-0.47359
0.35	-0.50791	0.80	-0.40699
0.41	-0.53184	0.95	-0.29404
0.47	-0.57136		
0.53	-0.61464		
0.57	-0.66993		
0.65	-0.71034		
0.71	-0.76438		
0.77	-0.37376		
0.83	-0.27135		
0.89	-0.25064		
0.95	-0.24548		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.8996	-0.88	-0.01	33.86 707.2	101.05 2110.5	59.77 1248.3	12.77 3.89	326.31 127.68

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.07976	0.05	-0.42825
0.06	-0.28063	0.10	-0.55033
0.11	-0.33907	0.20	-0.55274
0.17	-0.45385	0.35	-0.53928
0.23	-0.54352	0.50	-0.75060
0.29	-0.55857	0.65	-0.91549
0.35	-0.57934	0.80	-0.42195
0.41	-0.59100	0.95	-0.27273
0.47	-0.62374		
0.53	-0.68746		
0.57	-0.74088		
0.65	-0.77670		
0.71	-0.38184		
0.77	-0.26807		
0.83	-0.24989		
0.89	-0.24274		
0.95	-0.24021		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.9014	0.36	-0.01	33.94 708.9	101.08 2111.2	59.67 1246.3	12.78 3.89	326.49 128.02

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-0.21865	0.05	-0.30343
	0.06	-0.45251	0.10	-0.37534
	0.11	-0.56276	0.20	-0.36264
	0.17	-0.59795	0.35	-0.46155
	0.23	-0.63893	0.50	-0.74281
	0.29	-0.66496	0.65	-0.89011
	0.35	-0.67749	0.80	-0.43536
	0.41	-0.64089	0.95	-0.23128
	0.47	-0.68406		
	0.53	-0.74182		
	0.57	-0.79317		
	0.65	-0.52259		
	0.71	-0.28594		
	0.77	-0.26786		
	0.83	-0.26602		
	0.89	-0.26167		
	0.95	-0.25765		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.8996	1.50	-0.01	33.86 707.2	101.05 2110.5	59.77 1248.3	12.72 3.88	327.24 129.37

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.30482	0.05	-0.17838
0.06	-0.54920	0.10	-0.26912
0.11	-0.63661	0.20	-0.35406
0.17	-0.69187	0.35	-0.40631
0.23	-0.75435	0.50	-0.71278
0.29	-0.77045	0.65	-0.86594
0.35	-0.74632	0.80	-0.41458
0.41	-0.76788	0.95	-0.19041
0.47	-0.82045		
0.53	-0.81378		
0.57	-0.83241		
0.65	-0.35120		
0.71	-0.33658		
0.77	-0.32916		
0.83	-0.33860		
0.89	-0.30640		
0.95	-0.29856		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.8996	2.60	-0.01	33.86 707.2	101.05 2110.5	59.77 1248.3	12.75 3.89	326.76 128.49

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.44028	0.05	-0.07381
0.06	-0.67173	0.10	-0.16194
0.11	-0.75274	0.20	-0.27604
0.17	-0.79177	0.35	-0.38369
0.23	-0.82760	0.50	-0.68304
0.29	-0.86399	0.65	-0.83861
0.35	-0.87243	0.80	-0.37343
0.41	-0.87340	0.95	-0.15383
0.47	-0.83618		
0.53	-0.77892		
0.57	-0.47280		
0.65	-0.38724		
0.71	-0.38671		
0.77	-0.38218		
0.83	-0.37008		
0.89	-0.37524		
0.95	-0.37314		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.8971	3.76	0.00	33.77 705.2	101.05 2110.5	59.93 1251.7	12.74 3.88	326.59 128.19

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.53308	0.05	-0.00280
0.06	-0.76541	0.10	-0.09208
0.11	-0.83944	0.20	-0.19594
0.17	-0.88204	0.35	-0.33105
0.23	-0.90270	0.50	-0.65489
0.29	-0.92714	0.65	-0.81354
0.35	-0.92251	0.80	-0.32670
0.41	-0.90290	0.95	-0.10756
0.47	-0.59099		
0.53	-0.42616		
0.57	-0.41114		
0.65	-0.40252		
0.71	-0.41544		
0.77	-0.40779		
0.83	-0.40470		
0.89	-0.39858		
0.95	-0.39358		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.8999	5.00	0.00	33.88 707.7	101.08 2111.2	59.77 1248.3	12.75 3.89	326.79 128.56

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-0.61233	0.05	0.12025
	0.06	-0.85305	0.10	-0.02603
	0.11	-0.92616	0.20	-0.15213
	0.17	-0.93726	0.35	-0.30669
	0.23	-0.96055	0.50	-0.62283
	0.29	-0.97673	0.65	-0.78689
	0.35	-0.82400	0.80	-0.28535
	0.41	-0.52444	0.95	-0.05929
	0.47	-0.50126		
	0.53	-0.47848		
	0.57	-0.47877		
	0.65	-0.47143		
	0.71	-0.47036		
	0.77	-0.46301		
	0.83	-0.45642		
	0.89	-0.43868		
	0.95	-0.41931		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.8996	6.30	0.00	33.86 707.2	101.05 2110.5	59.77 1248.3	12.73 3.88	327.04 129.00

WING

UPPER SURFACE

X/C	CP
0.02	-0.72337
0.06	-0.94403
0.11	-0.99620
0.17	-1.01167
0.23	-1.01253
0.29	-0.83873
0.35	-0.63288
0.41	-0.58621
0.47	-0.57557
0.53	-0.56575
0.57	-0.55668
0.65	-0.54870
0.71	-0.53249
0.77	-0.52716
0.83	-0.51393
0.89	-0.51724
0.95	-0.51614

LOWER SURFACE

X/C	CP
0.05	0.20503
0.10	0.06734
0.20	-0.07427
0.35	-0.24128
0.50	-0.58615
0.65	-0.75390
0.80	-0.21757
0.95	-0.00379

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.8991	7.37	0.01	33.84 706.8	101.05 2110.5	59.80 1249.0	12.69 3.87	327.77 130.31

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.79618	0.05	0.27750
0.06	-0.98545	0.10	0.13457
0.11	-1.03630	0.20	-0.02159
0.17	-1.05434	0.35	-0.20247
0.23	-1.04310	0.50	-0.55242
0.29	-0.78426	0.65	-0.71855
0.35	-0.69442	0.80	-0.14246
0.41	-0.64815	0.95	0.05361
0.47	-0.62174		
0.53	-0.59896		
0.57	-0.59363		
0.65	-0.59026		
0.71	-0.59640		
0.77	-0.60128		
0.83	-0.59066		
0.89	-0.58456		
0.95	-0.58127		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.9016	8.41	0.01	33.94 708.8	101.05 2110.5	59.64 1245.6	12.75 3.89	326.94 128.83

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.87620	0.05	0.32920
0.06	-1.03446	0.10	0.18517
0.11	-1.08370	0.20	0.01899
0.17	-1.09948	0.35	-0.17066
0.23	-1.05603	0.50	-0.52432
0.29	-0.81372	0.65	-0.45411
0.35	-0.70894	0.80	-0.05141
0.41	-0.67691	0.95	0.14905
0.47	-0.64292		
0.53	-0.63359		
0.57	-0.62631		
0.65	-0.62324		
0.71	-0.62609		
0.77	-0.62612		
0.83	-0.63721		
0.89	-0.63694		
0.95	-0.62847		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.8999	9.65	0.00	33.88 707.7	101.08 2111.2	59.77 1248.3	12.73 3.88	327.21 129.30

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.96688	0.05	0.41413
0.06	-1.10835	0.10	0.25713
0.11	-1.14994	0.20	0.08126
0.17	-1.08531	0.35	-0.11992
0.23	-1.06916	0.50	-0.48039
0.29	-0.85214	0.65	-0.15754
0.35	-0.73004	0.80	0.15433
0.41	-0.69377	0.95	0.25693
0.47	-0.67366		
0.53	-0.63133		
0.57	-0.62912		
0.65	-0.63670		
0.71	-0.62620		
0.77	-0.63069		
0.83	-0.63651		
0.89	-0.64295		
0.95	-0.63186		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.8991	11.81	-0.05	33.84 706.8	101.05 2110.5	59.80 1249.0	12.71 3.87	327.47 129.77

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.75847	0.05	0.52520
0.06	-0.65482	0.10	0.35223
0.11	-0.63039	0.20	0.16705
0.17	-0.82027	0.35	-0.04445
0.23	-0.73973	0.50	-0.39735
0.29	-0.65805	0.65	-0.01320
0.35	-0.66596	0.80	0.25367
0.41	-0.63158	0.95	0.30679
0.47	-0.64027		
0.53	-0.64833		
0.57	-0.66645		
0.65	-0.66062		
0.71	-0.67269		
0.77	-0.67787		
0.83	-0.69086		
0.89	-0.66437		
0.95	-0.64596		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.8996	13.88	-0.09	33.86 707.2	101.05 2110.5	59.77 1248.3	12.71 3.87	327.58 129.97

WING

UPPER SURFACE

X/C	CP
0.02	-0.61880
0.06	-0.61503
0.11	-0.62847
0.17	-0.63184
0.23	-0.61876
0.29	-0.61212
0.35	-0.63757
0.41	-0.62937
0.47	-0.64463
0.53	-0.65891
0.57	-0.65117
0.65	-0.65311
0.71	-0.66602
0.77	-0.67611
0.83	-0.68404
0.89	-0.68182
0.95	-0.66943

LOWER SURFACE

X/C	CP
0.05	0.61450
0.10	0.44287
0.20	0.25649
0.35	0.03925
0.50	-0.24522
0.65	0.02098
0.80	0.28542
0.95	0.32718

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.8981	15.96	-0.09	33.80 706.0	101.05 2110.5	59.86 1250.3	12.68 3.86	327.99 130.71

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.59973	0.05	0.70410
0.06	-0.60924	0.10	0.53973
0.11	-0.62328	0.20	0.35078
0.17	-0.59518	0.35	0.12728
0.23	-0.62616	0.50	-0.12636
0.29	-0.62190	0.65	0.07000
0.35	-0.63772	0.80	0.31028
0.41	-0.62892	0.95	0.34778
0.47	-0.62249		
0.53	-0.63040		
0.57	-0.63993		
0.65	-0.64381		
0.71	-0.66167		
0.77	-0.65882		
0.83	-0.65506		
0.89	-0.67809		
0.95	-0.64780		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.8981	18.13	-0.11	33.80 706.0	101.05 2110.5	59.86 1250.3	12.70 3.87	327.51 129.84

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.55874	0.05	0.77712
0.06	-0.56701	0.10	0.62085
0.11	-0.58001	0.20	0.43216
0.17	-0.58068	0.35	0.21484
0.23	-0.58647	0.50	-0.01317
0.29	-0.58237	0.65	0.12705
0.35	-0.58879	0.80	0.34087
0.41	-0.56465	0.95	0.36687
0.47	-0.59716		
0.53	-0.61330		
0.57	-0.61949		
0.65	-0.63305		
0.71	-0.64414		
0.77	-0.64130		
0.83	-0.65888		
0.89	-0.64414		
0.95	-0.63030		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.8991	20.37	-0.26	33.84 706.8	101.05 2110.5	59.80 1249.0	12.70 3.87	327.66 130.11

WING

UPPER SURFACE

X/C	CP
0.02	-0.48476
0.06	-0.51299
0.11	-0.46307
0.17	-0.45947
0.23	-0.49099
0.29	-0.47746
0.35	-0.47192
0.41	-0.49060
0.47	-0.47036
0.53	-0.48338
0.57	-0.50965
0.65	-0.61348
0.71	-0.54699
0.77	-0.58408
0.83	-0.57426
0.89	-0.51439
0.95	-0.54245

LOWER SURFACE

X/C	CP
0.05	0.84519
0.10	0.70128
0.20	0.51281
0.35	0.29571
0.50	0.07616
0.65	0.17743
0.80	0.36615
0.95	0.37808

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
36	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.8991	-1.86	0.00	33.84 706.8	101.05 2110.5	59.80 1249.0	12.71 3.87	327.56 129.94

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.02589	0.05	-0.52573
0.06	-0.19633	0.10	-0.61978
0.11	-0.29816	0.20	-0.58328
0.17	-0.37768	0.35	-0.73989
0.23	-0.45711	0.50	-0.80932
0.29	-0.50384	0.65	-0.44886
0.35	-0.50634	0.80	-0.40012
0.41	-0.52472	0.95	-0.29250
0.47	-0.57168		
0.53	-0.61386		
0.57	-0.66935		
0.65	-0.69710		
0.71	-0.76841		
0.77	-0.41074		
0.83	-0.27726		
0.89	-0.24546		
0.95	-0.23603		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7496	-6.28	-0.01	27.40 572.2	101.12 2111.9	69.65 1454.7	11.93 3.64	321.93 119.81

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.48564	0.05	-1.59436
0.06	0.18630	0.10	-1.57180
0.11	0.06033	0.20	-1.44122
0.17	-0.04906	0.35	-0.74112
0.23	-0.12913	0.50	-0.46406
0.29	-0.18235	0.65	-0.26346
0.35	-0.23319	0.80	-0.07787
0.41	-0.26709	0.95	0.07981
0.47	-0.33446		
0.53	-0.37738		
0.57	-0.40554		
0.65	-0.40687		
0.71	-0.39759		
0.77	-0.33874		
0.83	-0.26254		
0.89	-0.15793		
0.95	-0.03619		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.7515	-5.11	-0.01	27.50 574.3	101.15 2112.6	69.55 1452.6	12.02 3.66	320.59 117.39

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.38573	0.05	-1.49857
0.06	0.09967	0.10	-1.45733
0.11	-0.02417	0.20	-1.29296
0.17	-0.13825	0.35	-0.64819
0.23	-0.20393	0.50	-0.46643
0.29	-0.23567	0.65	-0.08573
0.35	-0.27157	0.80	0.10496
0.41	-0.29616	0.95	0.21276
0.47	-0.34800		
0.53	-0.38487		
0.57	-0.40951		
0.65	-0.39916		
0.71	-0.36509		
0.77	-0.29640		
0.83	-0.20277		
0.89	-0.08990		
0.95	0.03157		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.7498	-4.08	-0.01	27.42 572.7	101.19 2113.3	69.68 1455.4	12.01 3.66	320.44 117.12

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	0.28067	0.05	-1.34176
	0.06	0.02581	0.10	-1.25126
	0.11	-0.09478	0.20	-1.09489
	0.17	-0.19315	0.35	-0.68330
	0.23	-0.26091	0.50	-0.50138
	0.29	-0.28318	0.65	-0.08236
	0.35	-0.30612	0.80	0.12628
	0.41	-0.33543	0.95	0.25079
	0.47	-0.38588		
	0.53	-0.41519		
	0.57	-0.43342		
	0.65	-0.41162		
	0.71	-0.36601		
	0.77	-0.28946		
	0.83	-0.19966		
	0.89	-0.08018		
	0.95	0.04608		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.7520	-2.86	-0.01	27.52 574.8	101.15 2112.6	69.52 1451.9	12.07 3.68	319.69 115.77

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.11129	0.05	-1.09530
0.06	-0.13907	0.10	-1.02898
0.11	-0.23524	0.20	-0.77339
0.17	-0.29303	0.35	-0.66551
0.23	-0.35790	0.50	-0.50649
0.29	-0.37293	0.65	-0.07617
0.35	-0.38084	0.80	0.14153
0.41	-0.39936	0.95	0.26335
0.47	-0.43706		
0.53	-0.45798		
0.57	-0.47166		
0.65	-0.43706		
0.71	-0.37308		
0.77	-0.28705		
0.83	-0.19071		
0.89	-0.06720		
0.95	0.05715		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.7525	-1.71	-0.01	27.55 575.3	101.15 2112.6	69.48 1451.2	12.05 3.67	320.06 116.44

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.05886	0.05	-0.79998
0.06	-0.27995	0.10	-0.69112
0.11	-0.36474	0.20	-0.62896
0.17	-0.42233	0.35	-0.60265
0.23	-0.45133	0.50	-0.50829
0.29	-0.43406	0.65	-0.07657
0.35	-0.44679	0.80	0.15633
0.41	-0.44724	0.95	0.27971
0.47	-0.48019		
0.53	-0.50781		
0.57	-0.51343		
0.65	-0.46425		
0.71	-0.39521		
0.77	-0.29993		
0.83	-0.19832		
0.89	-0.07508		
0.95	0.04833		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.7522	-0.65	-0.01	27.52 574.7	101.12 2111.9	69.48 1451.2	12.07 3.68	319.59 115.60

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.26228	0.05	-0.58497
0.06	-0.41321	0.10	-0.51750
0.11	-0.46890	0.20	-0.51078
0.17	-0.53059	0.35	-0.52549
0.23	-0.53367	0.50	-0.48502
0.29	-0.52597	0.65	-0.06942
0.35	-0.51678	0.80	0.19034
0.41	-0.51705	0.95	0.29630
0.47	-0.53468		
0.53	-0.55022		
0.57	-0.54692		
0.65	-0.48994		
0.71	-0.40868		
0.77	-0.31058		
0.83	-0.20146		
0.89	-0.07104		
0.95	0.04934		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.7541	0.58	-0.01	27.62 576.8	101.15 2112.6	69.38 1449.0	12.06 3.67	320.21 116.71

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.53829	0.05	-0.35424
0.06	-0.63477	0.10	-0.37770
0.11	-0.65598	0.20	-0.41948
0.17	-0.68167	0.35	-0.45926
0.23	-0.69648	0.50	-0.45678
0.29	-0.61388	0.65	-0.06196
0.35	-0.60768	0.80	0.20878
0.41	-0.59306	0.95	0.30784
0.47	-0.59888		
0.53	-0.60113		
0.57	-0.58993		
0.65	-0.51152		
0.71	-0.41603		
0.77	-0.31027		
0.83	-0.20132		
0.89	-0.07325		
0.95	0.04139		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.7536	1.90	-0.02	27.59 576.3	101.15 2112.6	69.41 1449.7	12.09 3.68	319.50 115.43

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.76265	0.05	-0.15378
0.06	-1.03526	0.10	-0.23459
0.11	-1.04012	0.20	-0.30613
0.17	-0.82445	0.35	-0.37500
0.23	-0.90510	0.50	-0.41853
0.29	-0.80198	0.65	-0.05353
0.35	-0.62936	0.80	0.22392
0.41	-0.64888	0.95	0.32286
0.47	-0.64676		
0.53	-0.63469		
0.57	-0.60767		
0.65	-0.51620		
0.71	-0.41950		
0.77	-0.31144		
0.83	-0.20141		
0.89	-0.07246		
0.95	0.03480		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.7536	3.01	-0.01	27.59 576.3	101.15 2112.6	69.41 1449.7	12.09 3.69	319.39 115.23

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.97956	0.05	-0.00655
0.06	-1.20856	0.10	-0.12216
0.11	-1.25040	0.20	-0.20853
0.17	-1.23169	0.35	-0.31023
0.23	-1.22234	0.50	-0.36918
0.29	-1.13801	0.65	-0.03629
0.35	-0.62886	0.80	0.24145
0.41	-0.57211	0.95	0.32866
0.47	-0.59959		
0.53	-0.60842		
0.57	-0.58445		
0.65	-0.50030		
0.71	-0.41104		
0.77	-0.30553		
0.83	-0.19711		
0.89	-0.07373		
0.95	0.03591		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.7499	4.10	-0.01	27.42 572.7	101.15 2112.6	69.65 1454.7	12.07 3.68	319.29 115.06

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.08212	0.05	0.08738
0.06	-1.36009	0.10	-0.03197
0.11	-1.38149	0.20	-0.14378
0.17	-1.33529	0.35	-0.25171
0.23	-1.36081	0.50	-0.33771
0.29	-1.37567	0.65	-0.01993
0.35	-1.34064	0.80	0.25885
0.41	-0.89950	0.95	0.34579
0.47	-0.60744		
0.53	-0.50933		
0.57	-0.47277		
0.65	-0.40992		
0.71	-0.35670		
0.77	-0.26667		
0.83	-0.17018		
0.89	-0.07116		
0.95	0.03118		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.7515	5.19	-0.01	27.50 574.3	101.15 2112.6	69.55 1452.6	12.10 3.69	318.83 114.22

WING

UPPER SURFACE

X/C	CP
0.02	-1.24562
0.06	-1.46155
0.11	-1.48394
0.17	-1.47340
0.23	-1.46446
0.29	-1.46836
0.35	-1.36916
0.41	-0.87613
0.47	-0.75941
0.53	-0.65189
0.57	-0.57845
0.65	-0.42027
0.71	-0.31865
0.77	-0.24172
0.83	-0.16951
0.89	-0.12627
0.95	-0.04205

LOWER SURFACE

X/C	CP
0.05	0.17593
0.10	0.02847
0.20	-0.10561
0.35	-0.23037
0.50	-0.33329
0.65	-0.03332
0.80	0.23573
0.95	0.31662

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.7515	6.38	-0.01	27.50 574.3	101.15 2112.6	69.55 1452.6	12.12 3.69	318.53 113.68

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.35976	0.05	0.23991
0.06	-1.51711	0.10	0.10125
0.11	-1.56299	0.20	-0.04634
0.17	-1.51720	0.35	-0.19252
0.23	-1.13501	0.50	-0.32737
0.29	-0.90764	0.65	-0.05384
0.35	-0.84503	0.80	0.20836
0.41	-0.79698	0.95	0.25918
0.47	-0.73342		
0.53	-0.63933		
0.57	-0.59188		
0.65	-0.49407		
0.71	-0.43314		
0.77	-0.37468		
0.83	-0.32957		
0.89	-0.26010		
0.95	-0.21947		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.7508	7.28	-0.01	27.47 573.8	101.19 2113.3	69.62 1454.0	12.10 3.69	318.91 114.36

WING

UPPER SURFACE

X/C	CP
0.02	-1.42795
0.06	-1.55789
0.11	-1.54456
0.17	-1.35812
0.23	-0.94318
0.29	-0.87317
0.35	-0.84015
0.41	-0.75020
0.47	-0.71848
0.53	-0.63967
0.57	-0.60462
0.65	-0.55797
0.71	-0.49297
0.77	-0.43051
0.83	-0.42268
0.89	-0.34869
0.95	-0.30742

LOWER SURFACE

X/C	CP
0.05	0.29674
0.10	0.15663
0.20	-0.01143
0.35	-0.17488
0.50	-0.31512
0.65	-0.06101
0.80	0.20034
0.95	0.24500

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.7505	8.26	-0.04	27.44 573.2	101.15 2112.6	69.62 1454.0	12.09 3.68	318.94 114.42

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.47176	0.05	0.35329
0.06	-1.24931	0.10	0.19038
0.11	-1.13200	0.20	0.02144
0.17	-1.42694	0.35	-0.15907
0.23	-0.79474	0.50	-0.30307
0.29	-0.65961	0.65	-0.06228
0.35	-0.71180	0.80	0.18737
0.41	-0.62578	0.95	0.22960
0.47	-0.65888		
0.53	-0.66259		
0.57	-0.60448		
0.65	-0.56761		
0.71	-0.55201		
0.77	-0.53283		
0.83	-0.54916		
0.89	-0.52546		
0.95	-0.50258		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.7505	9.26	-0.04	27.44 573.2	101.15 2112.6	69.62 1454.0	12.11 3.69	318.57 113.75

WING	UPPER SURFACE		LOWER SURFACE	
	X/C	CP	X/C	CP
	0.02	-0.83880	0.05	0.40456
	0.06	-0.80081	0.10	0.22646
	0.11	-0.75794	0.20	0.04629
	0.17	-0.76562	0.35	-0.13091
	0.23	-0.73700	0.50	-0.30809
	0.29	-0.71941	0.65	-0.07766
	0.35	-0.66473	0.80	0.17847
	0.41	-0.64975	0.95	0.22451
	0.47	-0.65787		
	0.53	-0.63580		
	0.57	-0.64081		
	0.65	-0.60627		
	0.71	-0.59982		
	0.77	-0.59199		
	0.83	-0.56290		
	0.89	-0.55387		
	0.95	-0.52649		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.7506	11.35	-0.01	27.44 573.2	101.12 2111.9	69.58 1453.3	12.09 3.68	318.91 114.36

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.81198	0.05	0.47303
0.06	-0.69057	0.10	0.29779
0.11	-0.98078	0.20	0.10779
0.17	-0.66556	0.35	-0.08812
0.23	-0.64415	0.50	-0.28368
0.29	-0.84377	0.65	-0.08592
0.35	-0.60378	0.80	0.16300
0.41	-0.61708	0.95	0.17787
0.47	-0.63206		
0.53	-0.63467		
0.57	-0.62167		
0.65	-0.64782		
0.71	-0.64610		
0.77	-0.62626		
0.83	-0.62939		
0.89	-0.58821		
0.95	-0.56486		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.7510	13.44	0.00	27.47 573.7	101.15 2112.6	69.58 1453.3	12.10 3.69	318.79 114.15

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.50245	0.05	0.57845
0.06	-0.48865	0.10	0.38938
0.11	-0.50202	0.20	0.19182
0.17	-0.48690	0.35	-0.01482
0.23	-0.49107	0.50	-0.22063
0.29	-0.51341	0.65	-0.05680
0.35	-1.15694	0.80	0.17264
0.41	-0.77607	0.95	0.18209
0.47	-0.50760		
0.53	-0.57606		
0.57	-0.58140		
0.65	-0.59869		
0.71	-0.60837		
0.77	-0.61376		
0.83	-0.66507		
0.89	-0.60934		
0.95	-0.63357		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.7508	15.55	0.02	27.47 573.8	101.19 2113.3	69.62 1454.0	12.13 3.70	318.32 113.31

WING

UPPER SURFACE

X/C	CP
0.02	-1.48019
0.06	-1.36267
0.11	-1.33547
0.17	-1.32147
0.23	-1.22393
0.29	-1.15399
0.35	-1.03384
0.41	-0.92430
0.47	-0.74657
0.53	-0.70743
0.57	-0.69934
0.65	-0.67384
0.71	-0.66527
0.77	-0.67333
0.83	-0.68447
0.89	-0.66115
0.95	-0.65695

LOWER SURFACE

X/C	CP
0.05	0.65742
0.10	0.47903
0.20	0.27267
0.35	0.05513
0.50	-0.16173
0.65	-0.02446
0.80	0.18819
0.95	0.18742

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.7525	17.60	-0.18	27.55 575.3	101.15 2112.6	69.48 1451.2	12.11 3.69	318.79 114.15

WING

UPPER SURFACE

X/C	CP
0.02	-0.51210
0.06	-0.49520
0.11	-0.50313
0.17	-0.50065
0.23	-0.50537
0.29	-0.53763
0.35	-0.53961
0.41	-0.55307
0.47	-0.56143
0.53	-0.56883
0.57	-0.57583
0.65	-0.58816
0.71	-0.60852
0.77	-0.60634
0.83	-0.60565
0.89	-0.61193
0.95	-0.60222

LOWER SURFACE

X/C	CP
0.05	0.72259
0.10	0.55958
0.20	0.35043
0.35	0.12764
0.50	-0.09207
0.65	0.00854
0.80	0.20222
0.95	0.19159

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.7475	19.75	-0.26	27.30 570.1	101.12 2111.9	69.79 1457.6	12.06 3.68	318.88 114.32

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.48598	0.05	0.78207
0.06	-0.47866	0.10	0.61366
0.11	-0.47709	0.20	0.41759
0.17	-0.49555	0.35	0.20078
0.23	-0.49647	0.50	-0.03425
0.29	-0.49519	0.65	0.05279
0.35	-0.50659	0.80	0.22072
0.41	-0.52866	0.95	0.19888
0.47	-0.52209		
0.53	-0.54806		
0.57	-0.54890		
0.65	-0.55683		
0.71	-0.56965		
0.77	-0.58305		
0.83	-0.58471		
0.89	-0.57530		
0.95	-0.56549		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
37	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.7505	-1.91	-0.01	27.44 573.2	101.15 2112.6	69.62 1454.0	12.15 3.70	317.59 112.00

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.05973	0.05	-0.84749
0.06	-0.24319	0.10	-0.72039
0.11	-0.32814	0.20	-0.63934
0.17	-0.39177	0.35	-0.60833
0.23	-0.43329	0.50	-0.51299
0.29	-0.42914	0.65	-0.08211
0.35	-0.43656	0.80	0.15293
0.41	-0.44586	0.95	0.27377
0.47	-0.47309		
0.53	-0.50667		
0.57	-0.51455		
0.65	-0.47260		
0.71	-0.40443		
0.77	-0.30897		
0.83	-0.20722		
0.89	-0.07872		
0.95	0.04605		

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
38	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.5995	-6.18	-0.01	19.90 415.7	100.88 2107.0	79.12 1652.5	10.82 3.30	310.75 99.68

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.54377	0.05	-1.97297
0.06	0.24609	0.10	-0.97305
0.11	0.11070	0.20	-0.77573
0.17	0.00975	0.35	-0.62008
0.23	-0.07155	0.50	-0.49288
0.29	-0.10426	0.65	-0.11086
0.35	-0.15200	0.80	0.11777
0.41	-0.18614	0.95	0.19775
0.47	-0.22628		
0.53	-0.25413		
0.57	-0.27042		
0.65	-0.26807		
0.71	-0.25848		
0.77	-0.21878		
0.83	-0.16644		
0.89	-0.07096		
0.95	0.03294		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.48650	0.02	-1.24462
0.06	0.27333	0.06	-0.58853
0.11	0.16050	0.11	-0.56760
0.18	0.03434	0.18	-0.53072
0.25	-0.03658	0.25	-0.47194
0.32	-0.10293	0.32	-0.43254
0.39	-0.13191	0.39	-0.38104
0.46	-0.13218	0.46	-0.31938
0.53	-0.11697	0.53	-0.25369
0.60	-0.07666	0.60	-0.18749
0.67	-0.04457	0.67	-0.10586
0.74	0.00238	0.74	-0.03105
0.81	0.04883	0.81	0.02963
0.88	0.08842	0.88	0.08606
0.95	0.13695	0.95	0.15411

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
38	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.5999	-4.07	0.00	19.93 416.3	100.92 2107.7	79.12 1652.5	10.78 3.29	311.74 101.47

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.27912	0.05	-1.27578
0.06	0.00971	0.10	-0.78679
0.11	-0.08993	0.20	-0.64800
0.17	-0.15727	0.35	-0.54938
0.23	-0.20188	0.50	-0.47640
0.29	-0.22676	0.65	-0.11032
0.35	-0.25167	0.80	0.15657
0.41	-0.28075	0.95	0.25917
0.47	-0.30993		
0.53	-0.32725		
0.57	-0.33488		
0.65	-0.31731		
0.71	-0.29466		
0.77	-0.24466		
0.83	-0.18048		
0.89	-0.08706		
0.95	0.02185		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.38626	0.02	-0.96651
0.06	0.17498	0.06	-0.50164
0.11	0.07082	0.11	-0.48835
0.18	-0.03365	0.18	-0.48245
0.25	-0.09428	0.25	-0.43614
0.32	-0.16069	0.32	-0.41088
0.39	-0.17272	0.39	-0.36722
0.46	-0.16780	0.46	-0.31216
0.53	-0.15164	0.53	-0.25560
0.60	-0.10050	0.60	-0.17709
0.67	-0.06020	0.67	-0.09662
0.74	-0.00710	0.74	-0.02454
0.81	0.03677	0.81	0.03001
0.88	0.08256	0.88	0.08324
0.95	0.13868	0.95	0.15016

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
38	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.5995	-1.73	-0.01	19.90 415.7	100.88 2107.0	79.12 1652.5	10.75 3.28	312.17 102.24

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.11897	0.05	-0.67414
0.06	-0.27138	0.10	-0.55684
0.11	-0.31255	0.20	-0.48977
0.17	-0.35643	0.35	-0.45752
0.23	-0.37086	0.50	-0.41908
0.29	-0.36772	0.65	-0.08715
0.35	-0.36485	0.80	0.18885
0.41	-0.37086	0.95	0.29341
0.47	-0.38453		
0.53	-0.41133		
0.57	-0.41541		
0.65	-0.38521		
0.71	-0.33487		
0.77	-0.27640		
0.83	-0.20323		
0.89	-0.09674		
0.95	0.01615		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.29036	0.02	-0.69056
0.06	0.10743	0.06	-0.46733
0.11	0.01786	0.11	-0.40505
0.18	-0.08428	0.18	-0.42043
0.25	-0.14074	0.25	-0.39263
0.32	-0.19718	0.32	-0.38184
0.39	-0.20890	0.39	-0.35070
0.46	-0.19433	0.46	-0.29951
0.53	-0.17363	0.53	-0.24662
0.60	-0.12571	0.60	-0.17825
0.67	-0.08045	0.67	-0.09921
0.74	-0.01857	0.74	-0.02597
0.81	0.03312	0.81	0.03007
0.88	0.08173	0.88	0.08004
0.95	0.14212	0.95	0.14991

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
38	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.6011	0.40	-0.01	19.99 417.5	100.88 2107.0	79.02 1650.4	10.78 3.29	312.08 102.07

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.63481	0.05	-0.32020
0.06	-0.58467	0.10	-0.31106
0.11	-0.55944	0.20	-0.31838
0.17	-0.56272	0.35	-0.33619
0.23	-0.53154	0.50	-0.34510
0.29	-0.50880	0.65	-0.04844
0.35	-0.48261	0.80	0.22406
0.41	-0.46945	0.95	0.31164
0.47	-0.47547		
0.53	-0.47627		
0.57	-0.46646		
0.65	-0.41949		
0.71	-0.37247		
0.77	-0.30111		
0.83	-0.21490		
0.89	-0.10011		
0.95	0.01776		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.18100	0.02	-0.51532
0.06	0.03552	0.06	-0.36918
0.11	-0.03896	0.11	-0.33186
0.18	-0.13516	0.18	-0.36379
0.25	-0.18158	0.25	-0.35158
0.32	-0.23623	0.32	-0.34452
0.39	-0.23963	0.39	-0.32608
0.46	-0.21943	0.46	-0.28219
0.53	-0.19124	0.53	-0.23189
0.60	-0.13483	0.60	-0.16119
0.67	-0.08596	0.67	-0.08795
0.74	-0.02164	0.74	-0.02030
0.81	0.03088	0.81	0.03525
0.88	0.08210	0.88	0.08110
0.95	0.14624	0.95	0.15160

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
38	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
18	0.6006	2.70	-0.01	19.96 416.9	100.88 2107.0	79.06 1651.1	10.75 3.28	312.54 102.91

WING

UPPER SURFACE

X/C	CP
0.02	-1.22323
0.06	-1.05092
0.11	-0.84494
0.17	-0.77880
0.23	-0.72831
0.29	-0.64862
0.35	-0.61096
0.41	-0.57785
0.47	-0.56152
0.53	-0.54349
0.57	-0.53081
0.65	-0.46805
0.71	-0.40486
0.77	-0.31929
0.83	-0.22617
0.89	-0.10611
0.95	0.01140

LOWER SURFACE

X/C	CP
0.05	0.02018
0.10	-0.08798
0.20	-0.16416
0.35	-0.22416
0.50	-0.27932
0.65	-0.02337
0.80	0.23736
0.95	0.32723

HORIZ. TAIL

UPPER SURFACE

X/C	CP
0.02	0.03642
0.06	-0.06007
0.11	-0.11695
0.18	-0.21252
0.25	-0.24723
0.32	-0.28714
0.39	-0.28368
0.46	-0.25691
0.53	-0.21746
0.60	-0.14874
0.67	-0.09710
0.74	-0.03186
0.81	0.02494
0.88	0.07706
0.95	0.14294

LOWER SURFACE

X/C	CP
0.02	-0.29140
0.06	-0.24857
0.11	-0.26871
0.18	-0.30684
0.25	-0.31262
0.32	-0.31327
0.39	-0.29543
0.46	-0.25757
0.53	-0.21545
0.60	-0.15277
0.67	-0.08209
0.74	-0.01745
0.81	0.03811
0.88	0.08178
0.95	0.14530

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
38	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.6010	4.86	-0.01	19.99 417.5	100.92 2107.7	79.06 1651.1	10.76 3.28	312.62 103.05

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-2.04837	0.05	0.22842
0.06	-1.96162	0.10	0.10893
0.11	-1.03806	0.20	-0.02737
0.17	-0.95228	0.35	-0.13827
0.23	-0.85724	0.50	-0.22099
0.29	-0.75654	0.65	0.00165
0.35	-0.69410	0.80	0.25167
0.41	-0.64477	0.95	0.33092
0.47	-0.61461		
0.53	-0.58177		
0.57	-0.56171		
0.65	-0.48038		
0.71	-0.40172		
0.77	-0.30855		
0.83	-0.20656		
0.89	-0.09157		
0.95	0.00804		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.12778	0.02	-0.13314
0.06	-0.17346	0.06	-0.16412
0.11	-0.19585	0.11	-0.19752
0.18	-0.26994	0.18	-0.25821
0.25	-0.29221	0.25	-0.27753
0.32	-0.32640	0.32	-0.28322
0.39	-0.31890	0.39	-0.26391
0.46	-0.28420	0.46	-0.23250
0.53	-0.23602	0.53	-0.19618
0.60	-0.16902	0.60	-0.14421
0.67	-0.11209	0.67	-0.08140
0.74	-0.04187	0.74	-0.01910
0.81	0.02121	0.81	0.03167
0.88	0.07571	0.88	0.07571
0.95	0.14384	0.95	0.13710

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
38	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
20	0.5994	7.07	-0.01	19.90 415.7	100.92 2107.7	79.16 1653.2	10.71 3.26	313.29 104.26

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-2.54480	0.05	0.40829
0.06	-2.40612	0.10	0.24083
0.11	-1.75683	0.20	0.06578
0.17	-1.18483	0.35	-0.07429
0.23	-1.02071	0.50	-0.15679
0.29	-0.84638	0.65	0.03605
0.35	-0.78094	0.80	0.26461
0.41	-0.69812	0.95	0.32238
0.47	-0.63413		
0.53	-0.58388		
0.57	-0.54251		
0.65	-0.45210		
0.71	-0.38143		
0.77	-0.28852		
0.83	-0.19889		
0.89	-0.09995		
0.95	-0.02081		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.27718	0.02	0.03138
0.06	-0.26576	0.06	-0.06230
0.11	-0.27109	0.11	-0.12903
0.18	-0.33065	0.18	-0.19109
0.25	-0.35110	0.25	-0.21825
0.32	-0.37755	0.32	-0.23952
0.39	-0.35621	0.39	-0.23817
0.46	-0.31161	0.46	-0.21423
0.53	-0.26236	0.53	-0.18109
0.60	-0.18672	0.60	-0.13425
0.67	-0.12488	0.67	-0.07167
0.74	-0.05145	0.74	-0.01350
0.81	0.01818	0.81	0.03578
0.88	0.07658	0.88	0.07523
0.95	0.14528	0.95	0.13209

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
38	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.5995	9.09	-0.01	19.90 415.7	100.88 2107.0	79.12 1652.5	10.70 3.26	313.44 104.53

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.43922	0.05	0.49029
0.06	-1.31444	0.10	0.30975
0.11	-1.26709	0.20	0.12468
0.17	-1.15615	0.35	-0.03588
0.23	-1.13239	0.50	-0.16424
0.29	-1.00878	0.65	-0.00536
0.35	-0.87477	0.80	0.20701
0.41	-0.77899	0.95	0.23880
0.47	-0.68884		
0.53	-0.61789		
0.57	-0.57623		
0.65	-0.50960		
0.71	-0.41239		
0.77	-0.40988		
0.83	-0.34276		
0.89	-0.31770		
0.95	-0.29330		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.28747	0.02	-0.02791
0.06	-0.24921	0.06	-0.06215
0.11	-0.25867	0.11	-0.07742
0.18	-0.29990	0.18	-0.08130
0.25	-0.30733	0.25	-0.10858
0.32	-0.31864	0.32	-0.11528
0.39	-0.29889	0.39	-0.12294
0.46	-0.25756	0.46	-0.11225
0.53	-0.22651	0.53	-0.09786
0.60	-0.16861	0.60	-0.06518
0.67	-0.11760	0.67	-0.02574
0.74	-0.05966	0.74	0.00466
0.81	-0.01549	0.81	0.03845
0.88	0.02489	0.88	0.06029
0.95	0.07380	0.95	0.09403

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
38	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
22	0.5995	11.06	-0.01	19.90 415.7	100.88 2107.0	79.12 1652.5	10.69 3.26	313.59 104.80

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.92381	0.05	0.51186
0.06	-0.83663	0.10	0.33204
0.11	-0.86944	0.20	0.13908
0.17	-0.77372	0.35	-0.03423
0.23	-0.79790	0.50	-0.10978
0.29	-0.73610	0.65	-0.04979
0.35	-0.70152	0.80	0.15506
0.41	-0.72446	0.95	0.16108
0.47	-0.69020		
0.53	-0.65988		
0.57	-0.66838		
0.65	-0.62688		
0.71	-0.61892		
0.77	-0.59894		
0.83	-0.55285		
0.89	-0.50945		
0.95	-0.48043		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.58366	0.02	0.22933
0.06	-0.38863	0.06	0.24387
0.11	-0.34011	0.11	0.19957
0.18	-0.28783	0.18	0.14385
0.25	-0.26911	0.25	0.14043
0.32	-0.25601	0.32	0.08188
0.39	-0.23209	0.39	0.01107
0.46	-0.19467	0.46	0.01509
0.53	-0.16757	0.53	0.01645
0.60	-0.12498	0.60	0.00972
0.67	-0.09052	0.67	0.02115
0.74	-0.05567	0.74	0.03803
0.81	-0.02928	0.81	0.04452
0.88	0.00330	0.88	0.04777
0.95	0.03938	0.95	0.05625

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
38	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
23	0.6005	13.17	-0.08	19.96 416.9	100.92 2107.7	79.09 1651.8	10.70 3.26	313.87 105.30

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.70177	0.05	0.60968
0.06	-0.54794	0.10	0.41887
0.11	-0.54808	0.20	0.20924
0.17	-0.53523	0.35	0.02087
0.23	-0.57733	0.50	-0.14776
0.29	-0.61411	0.65	-0.01970
0.35	-0.58996	0.80	0.16799
0.41	-0.54126	0.95	0.15941
0.47	-0.55009		
0.53	-0.58157		
0.57	-0.56731		
0.65	-0.58696		
0.71	-0.60104		
0.77	-0.57733		
0.83	-0.57958		
0.89	-0.56343		
0.95	-0.53058		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.57049	0.02	0.56853
0.06	-0.50320	0.06	0.43335
0.11	-0.41936	0.11	0.29958
0.18	-0.38145	0.18	0.22596
0.25	-0.30486	0.25	0.12465
0.32	-0.27053	0.32	0.06271
0.39	-0.22834	0.39	0.03170
0.46	-0.18265	0.46	0.00267
0.53	-0.16427	0.53	-0.01812
0.60	-0.14239	0.60	-0.01614
0.67	-0.11821	0.67	-0.00468
0.74	-0.11298	0.74	0.01412
0.81	-0.09203	0.81	0.02089
0.88	-0.07647	0.88	0.01849
0.95	-0.06069	0.95	0.01648

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
38	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
24	0.5989	15.20	-0.11	19.88 415.1	100.88 2107.0	79.16 1653.2	10.67 3.25	314.04 105.61

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.51059	0.05	0.67741
0.06	-0.50924	0.10	0.49272
0.11	-0.53182	0.20	0.28132
0.17	-0.51294	0.35	0.07439
0.23	-0.53992	0.50	-0.11838
0.29	-0.53550	0.65	-0.01569
0.35	-0.53406	0.80	0.16097
0.41	-0.56259	0.95	0.15003
0.47	-0.55291		
0.53	-0.57227		
0.57	-0.57427		
0.65	-0.58303		
0.71	-0.60646		
0.77	-0.60961		
0.83	-0.59942		
0.89	-0.59138		
0.95	-0.57060		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.43114	0.02	0.58649
0.06	-0.38352	0.06	0.49740
0.11	-0.37453	0.11	0.40150
0.18	-0.35102	0.18	0.26977
0.25	-0.31582	0.25	0.18573
0.32	-0.29387	0.32	0.10841
0.39	-0.26286	0.39	0.06469
0.46	-0.24312	0.46	0.03292
0.53	-0.22359	0.53	0.00667
0.60	-0.21693	0.60	-0.00306
0.67	-0.19044	0.67	0.00566
0.74	-0.17272	0.74	0.01408
0.81	-0.15257	0.81	0.01207
0.88	-0.14342	0.88	-0.00569
0.95	-0.12520	0.95	-0.01744

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
38	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
25	0.5999	17.33	-0.15	19.93 416.3	100.92 2107.7	79.12 1652.5	10.68 3.26	314.06 105.64

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.53617	0.05	0.72576
0.06	-0.52618	0.10	0.55797
0.11	-0.53075	0.20	0.34849
0.17	-0.53685	0.35	0.12642
0.23	-0.54087	0.50	-0.06449
0.29	-0.55019	0.65	0.00972
0.35	-0.55699	0.80	0.16993
0.41	-0.55822	0.95	0.13539
0.47	-0.57498		
0.53	-0.59257		
0.57	-0.58624		
0.65	-0.59307		
0.71	-0.59560		
0.77	-0.59659		
0.83	-0.60078		
0.89	-0.60902		
0.95	-0.58958		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.29748	0.02	0.64276
0.06	-0.31398	0.06	0.56368
0.11	-0.29286	0.11	0.47955
0.18	-0.30319	0.18	0.34651
0.25	-0.28929	0.25	0.24511
0.32	-0.29454	0.32	0.17566
0.39	-0.27566	0.39	0.10769
0.46	-0.26660	0.46	0.06595
0.53	-0.25467	0.53	0.02996
0.60	-0.23907	0.60	0.01176
0.67	-0.23557	0.67	0.00668
0.74	-0.22317	0.74	0.01175
0.81	-0.20684	0.81	0.00399
0.88	-0.19220	0.88	-0.01970
0.95	-0.18431	0.95	-0.05900

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
38	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
26	0.5999	19.31	-0.02	19.93 416.3	100.92 2107.7	79.12 1652.5	10.66 3.25	314.19 105.88

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.54762	0.05	0.72653
0.06	-0.54391	0.10	0.57253
0.11	-0.54301	0.20	0.35924
0.17	-0.55031	0.35	0.15092
0.23	-0.54558	0.50	-0.05657
0.29	-0.54972	0.65	0.01410
0.35	-0.57184	0.80	0.16241
0.41	-0.58202	0.95	0.11126
0.47	-0.58059		
0.53	-0.59403		
0.57	-0.59973		
0.65	-0.60610		
0.71	-0.60648		
0.77	-0.61310		
0.83	-0.62220		
0.89	-0.61690		
0.95	-0.60709		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.31622	0.02	0.60874
0.06	-0.28685	0.06	0.66423
0.11	-0.29502	0.11	0.59343
0.18	-0.28965	0.18	0.47608
0.25	-0.29889	0.25	0.36768
0.32	-0.31113	0.32	0.28401
0.39	-0.29200	0.39	0.19485
0.46	-0.29822	0.46	0.13927
0.53	-0.28898	0.53	0.08809
0.60	-0.27317	0.60	0.04832
0.67	-0.27248	0.67	0.02186
0.74	-0.26851	0.74	0.00837
0.81	-0.24155	0.81	-0.01082
0.88	-0.23805	0.88	-0.06389
0.95	-0.23328	0.95	-0.12757

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
38	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
27	0.6010	21.45	-0.01	19.99 417.5	100.92 2107.7	79.06 1651.1	10.68 3.25	314.49 106.41

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.55919	0.05	0.77907
0.06	-0.55038	0.10	0.63674
0.11	-0.55119	0.20	0.42773
0.17	-0.55245	0.35	0.20902
0.23	-0.56511	0.50	0.01011
0.29	-0.57371	0.65	0.05300
0.35	-0.57838	0.80	0.18061
0.41	-0.59357	0.95	0.12866
0.47	-0.60664		
0.53	-0.61069		
0.57	-0.60394		
0.65	-0.61874		
0.71	-0.63695		
0.77	-0.63407		
0.83	-0.62681		
0.89	-0.61709		
0.95	-0.61198		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.29694	0.02	0.57442
0.06	-0.28256	0.06	0.65952
0.11	-0.28972	0.11	0.58996
0.18	-0.29021	0.18	0.48567
0.25	-0.30064	0.25	0.38684
0.32	-0.30484	0.32	0.29698
0.39	-0.30502	0.39	0.20724
0.46	-0.30733	0.46	0.14457
0.53	-0.30921	0.53	0.09603
0.60	-0.29896	0.60	0.04804
0.67	-0.28791	0.67	0.02428
0.74	-0.28737	0.74	0.00773
0.81	-0.28617	0.81	-0.01484
0.88	-0.27385	0.88	-0.07299
0.95	-0.26989	0.95	-0.15226

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
38	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
28	0.5999	-1.71	0.00	19.93 416.3	100.92 2107.7	79.12 1652.5	10.67 3.25	314.42 106.28

WING

UPPER SURFACE

X/C	CP
0.02	-0.09757
0.06	-0.24347
0.11	-0.30381
0.17	-0.34485
0.23	-0.37935
0.29	-0.36584
0.35	-0.36022
0.41	-0.37005
0.47	-0.38718
0.53	-0.40834
0.57	-0.40992
0.65	-0.37451
0.71	-0.33316
0.77	-0.27371
0.83	-0.20042
0.89	-0.08654
0.95	0.02682

LOWER SURFACE

X/C	CP
0.05	-0.66100
0.10	-0.55170
0.20	-0.47570
0.35	-0.44021
0.50	-0.41168
0.65	-0.08102
0.80	0.19370
0.95	0.29956

HORIZ. TAIL

UPPER SURFACE

X/C	CP
0.02	0.28981
0.06	0.10897
0.11	0.02348
0.18	-0.08554
0.25	-0.13218
0.32	-0.19141
0.39	-0.20383
0.46	-0.19131
0.53	-0.16707
0.60	-0.11996
0.67	-0.07570
0.74	-0.01732
0.81	0.03629
0.88	0.08550
0.95	0.14703

LOWER SURFACE

X/C	CP
0.02	-0.67969
0.06	-0.45776
0.11	-0.39586
0.18	-0.41135
0.25	-0.38899
0.32	-0.37251
0.39	-0.33549
0.46	-0.28567
0.53	-0.23644
0.60	-0.16774
0.67	-0.09264
0.74	-0.02099
0.81	0.03091
0.88	0.08214
0.95	0.15139

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
39	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7846	-6.45	0.00	28.92 604.1	100.78 2104.8	67.12 1401.9	12.29 3.74	319.88 116.11

WING

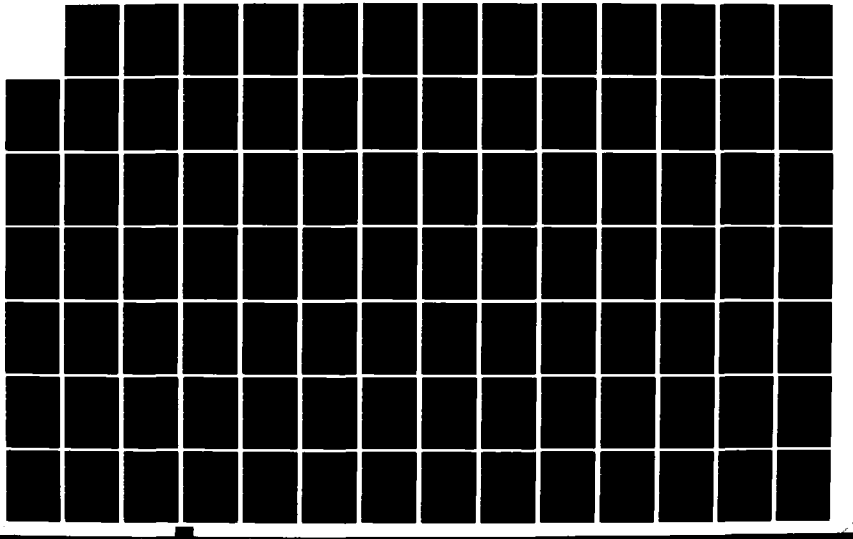
UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.47401	0.05	-1.38940
0.06	0.18083	0.10	-1.36697
0.11	0.04704	0.20	-1.27060
0.17	-0.05801	0.35	-0.66300
0.23	-0.14237	0.50	-0.49410
0.29	-0.18566	0.65	-0.31755
0.35	-0.23161	0.80	-0.17018
0.41	-0.27980	0.95	-0.02144
0.47	-0.34392		
0.53	-0.41725		
0.57	-0.45476		
0.65	-0.49410		
0.71	-0.46979		
0.77	-0.40204		
0.83	-0.32636		
0.89	-0.22166		
0.95	-0.12487		

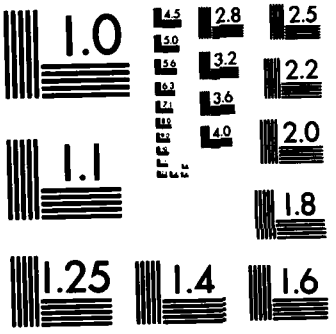
HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.46725	0.02	-1.31095
0.06	0.26215	0.06	-1.10140
0.11	0.14054	0.11	-0.57635
0.18	0.01100	0.18	-0.59479
0.25	-0.06134	0.25	-0.53418
0.32	-0.15054	0.32	-0.48879
0.39	-0.17189	0.39	-0.41817
0.46	-0.18035	0.46	-0.33505
0.53	-0.16440	0.53	-0.25774
0.60	-0.11125	0.60	-0.16772
0.67	-0.06594	0.67	-0.07699
0.74	-0.00660	0.74	-0.00036
0.81	0.04803	0.81	0.06759
0.88	0.09626	0.88	0.12460
0.95	0.15216	0.95	0.18752

AD-A124 068 FORCE AND PRESSURE MEASUREMENTS ON A RESEARCH MODEL WITH A LOW- MID- AND..(U) GENERAL DYNAMICS FORT WORTH TX FORT WORTH DIV R A COX DEC 82 FZA-540-VOL-2 8/9

UNCLASSIFIED N00014-82-C-0340 F/G 1/3 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
39	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.7820	-4.22	-0.01	28.80 601.6	100.78 2104.8	67.30 1405.5	12.22 3.73	320.66 117.52

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.28035	0.05	-1.24304
0.06	0.00218	0.10	-1.18243
0.11	-0.10468	0.20	-1.06669
0.17	-0.19729	0.35	-0.76564
0.23	-0.26590	0.50	-0.37282
0.29	-0.29193	0.65	-0.07610
0.35	-0.30735	0.80	0.03478
0.41	-0.34580	0.95	0.17546
0.47	-0.39066		
0.53	-0.45246		
0.57	-0.47026		
0.65	-0.45323		
0.71	-0.37422		
0.77	-0.28530		
0.83	-0.18996		
0.89	-0.06170		
0.95	0.06598		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.34389	0.02	-0.91891
0.06	0.15058	0.06	-0.47534
0.11	0.04948	0.11	-0.50654
0.18	-0.08190	0.18	-0.52165
0.25	-0.15461	0.25	-0.48342
0.32	-0.22867	0.32	-0.45578
0.39	-0.24512	0.39	-0.39790
0.46	-0.23127	0.46	-0.32617
0.53	-0.20503	0.53	-0.25764
0.60	-0.13600	0.60	-0.16874
0.67	-0.07887	0.67	-0.07425
0.74	-0.01175	0.74	0.00216
0.81	0.04206	0.81	0.06729
0.88	0.09675	0.88	0.12098
0.95	0.16309	0.95	0.18875

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
39	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.7802	-1.81	-0.01	28.73 600.1	100.81 2105.5	67.43 1408.4	12.18 3.71	321.33 118.73

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.08319	0.05	-0.75085
0.06	-0.27456	0.10	-0.77726
0.11	-0.34343	0.20	-0.69400
0.17	-0.41019	0.35	-0.68085
0.23	-0.45601	0.50	-0.46542
0.29	-0.45598	0.65	-0.05093
0.35	-0.45750	0.80	0.15775
0.41	-0.46852	0.95	0.27832
0.47	-0.50272		
0.53	-0.52882		
0.57	-0.52669		
0.65	-0.46994		
0.71	-0.38758		
0.77	-0.28081		
0.83	-0.17019		
0.89	-0.04101		
0.95	0.08161		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.26707	0.02	-0.67425
0.06	0.08886	0.06	-0.48497
0.11	-0.00788	0.11	-0.43226
0.18	-0.13237	0.18	-0.46962
0.25	-0.19901	0.25	-0.44766
0.32	-0.27158	0.32	-0.43831
0.39	-0.28433	0.39	-0.38292
0.46	-0.27340	0.46	-0.31488
0.53	-0.22763	0.53	-0.24763
0.60	-0.15265	0.60	-0.16896
0.67	-0.08824	0.67	-0.07758
0.74	-0.01369	0.74	0.00073
0.81	0.04546	0.81	0.06187
0.88	0.10289	0.88	0.11553
0.95	0.17203	0.95	0.18724

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
39	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.7809	0.50	-0.01	28.76 600.6	100.78 2104.8	67.36 1406.9	12.16 3.71	321.78 119.54

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.48374	0.05	-0.34799
0.06	-0.66279	0.10	-0.36245
0.11	-0.64118	0.20	-0.41807
0.17	-0.68464	0.35	-0.47576
0.23	-0.73155	0.50	-0.46674
0.29	-0.69066	0.65	-0.04509
0.35	-0.55707	0.80	0.21607
0.41	-0.59959	0.95	0.32041
0.47	-0.62584		
0.53	-0.65205		
0.57	-0.62297		
0.65	-0.49830		
0.71	-0.39784		
0.77	-0.28402		
0.83	-0.16933		
0.89	-0.04003		
0.95	0.06635		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.17284	0.02	-0.49049
0.06	0.02616	0.06	-0.38450
0.11	-0.06200	0.11	-0.38330
0.18	-0.18320	0.18	-0.43927
0.25	-0.23865	0.25	-0.42757
0.32	-0.30803	0.32	-0.42256
0.39	-0.31729	0.39	-0.37688
0.46	-0.29467	0.46	-0.31412
0.53	-0.24577	0.53	-0.24855
0.60	-0.17388	0.60	-0.17714
0.67	-0.10483	0.67	-0.08538
0.74	-0.02483	0.74	-0.00694
0.81	0.04682	0.81	0.06298
0.88	0.10538	0.88	0.11729
0.95	0.17632	0.95	0.18918

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
39	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.7799	2.91	-0.01	28.71 599.6	100.78 2104.8	67.43 1408.4	12.12 3.69	322.53 120.89

WING

UPPER SURFACE

X/C	CP
0.02	-0.85084
0.06	-1.08543
0.11	-1.09569
0.17	-1.14408
0.23	-1.13750
0.29	-1.14911
0.35	-1.13087
0.41	-0.99235
0.47	-0.92272
0.53	-0.53931
0.57	-0.46750
0.65	-0.38324
0.71	-0.32992
0.77	-0.24332
0.83	-0.14112
0.89	-0.03020
0.95	0.06242

LOWER SURFACE

X/C	CP
0.05	-0.02365
0.10	-0.12609
0.20	-0.22581
0.35	-0.32843
0.50	-0.37949
0.65	-0.01430
0.80	0.26079
0.95	0.35478

HORIZ. TAIL

UPPER SURFACE

X/C	CP
0.02	0.10355
0.06	-0.02559
0.11	-0.11222
0.18	-0.22152
0.25	-0.27396
0.32	-0.34323
0.39	-0.34428
0.46	-0.31659
0.53	-0.26230
0.60	-0.16778
0.67	-0.09817
0.74	-0.01833
0.81	0.04948
0.88	0.10893
0.95	0.18118

LOWER SURFACE

X/C	CP
0.02	-0.33803
0.06	-0.29516
0.11	-0.31086
0.18	-0.38180
0.25	-0.37695
0.32	-0.37792
0.39	-0.34799
0.46	-0.29194
0.53	-0.23570
0.60	-0.15388
0.67	-0.06614
0.74	0.00872
0.81	0.06159
0.88	0.11497
0.95	0.18561

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
39	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.7792	5.15	-0.01	28.69 599.2	100.81 2105.5	67.50 1409.8	12.10 3.69	322.91 121.56

WING

UPPER SURFACE

X/C	CP
0.02	-1.05613
0.06	-1.30306
0.11	-1.33160
0.17	-1.32453
0.23	-1.30513
0.29	-1.13890
0.35	-0.73808
0.41	-0.69423
0.47	-0.65544
0.53	-0.59053
0.57	-0.54917
0.65	-0.45141
0.71	-0.40286
0.77	-0.34023
0.83	-0.29504
0.89	-0.25184
0.95	-0.21062

LOWER SURFACE

X/C	CP
0.05	0.15770
0.10	0.01870
0.20	-0.11053
0.35	-0.25294
0.50	-0.37618
0.65	-0.05241
0.80	0.21778
0.95	0.27757

HORIZ. TAIL

UPPER SURFACE

X/C	CP
0.02	0.04274
0.06	-0.09300
0.11	-0.16226
0.18	-0.25810
0.25	-0.30448
0.32	-0.36883
0.39	-0.35368
0.46	-0.30955
0.53	-0.25386
0.60	-0.16995
0.67	-0.10223
0.74	-0.02855
0.81	0.03341
0.88	0.08944
0.95	0.15118

LOWER SURFACE

X/C	CP
0.02	-0.25787
0.06	-0.20439
0.11	-0.20621
0.18	-0.22353
0.25	-0.22838
0.32	-0.23489
0.39	-0.22214
0.46	-0.18733
0.53	-0.15139
0.60	-0.10081
0.67	-0.04019
0.74	0.01286
0.81	0.05302
0.88	0.08851
0.95	0.14303

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
39	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.7818	7.33	0.00	28.80 601.6	100.81 2105.5	67.33 1406.2	12.12 3.69	322.94 121.63

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.27041	0.05	0.30578
0.06	-1.39330	0.10	0.15450
0.11	-1.35173	0.20	-0.01080
0.17	-1.29391	0.35	-0.18306
0.23	-0.95159	0.50	-0.36272
0.29	-0.78109	0.65	-0.07394
0.35	-0.73082	0.80	0.19833
0.41	-0.67453	0.95	0.24394
0.47	-0.65438		
0.53	-0.59354		
0.57	-0.58203		
0.65	-0.52257		
0.71	-0.50373		
0.77	-0.47148		
0.83	-0.43322		
0.89	-0.40693		
0.95	-0.38268		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.23475	0.02	0.01871
0.06	-0.23698	0.06	0.04995
0.11	-0.24803	0.11	0.01448
0.18	-0.28385	0.18	-0.01906
0.25	-0.30174	0.25	-0.06446
0.32	-0.30327	0.32	-0.06285
0.39	-0.31619	0.39	-0.07932
0.46	-0.24438	0.46	-0.07880
0.53	-0.20325	0.53	-0.06401
0.60	-0.15424	0.60	-0.04535
0.67	-0.09868	0.67	-0.00595
0.74	-0.03964	0.74	0.02593
0.81	0.01145	0.81	0.05102
0.88	0.05672	0.88	0.07516
0.95	0.10886	0.95	0.10348

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
39	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.7804	9.34	-0.02	28.73 600.1	100.78 2104.8	67.40 1407.7	12.09 3.68	323.32 122.30

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.90525	0.05	0.40580
0.06	-0.84760	0.10	0.24227
0.11	-0.71783	0.20	0.05692
0.17	-0.81182	0.35	-0.14144
0.23	-0.68213	0.50	-0.33419
0.29	-0.64152	0.65	-0.08173
0.35	-0.62030	0.80	0.18095
0.41	-0.60887	0.95	0.21467
0.47	-0.61345		
0.53	-0.59218		
0.57	-0.59062		
0.65	-0.59466		
0.71	-0.57823		
0.77	-0.57074		
0.83	-0.56520		
0.89	-0.56312		
0.95	-0.53053		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.48457	0.02	0.21304
0.06	-0.35605	0.06	0.23956
0.11	-0.29707	0.11	0.17978
0.18	-0.24982	0.18	0.13750
0.25	-0.22617	0.25	0.05249
0.32	-0.20916	0.32	0.03993
0.39	-0.23308	0.39	0.03413
0.46	-0.15083	0.46	0.01564
0.53	-0.12358	0.53	-0.00296
0.60	-0.07759	0.60	0.01285
0.67	-0.05099	0.67	0.02893
0.74	-0.02105	0.74	0.04016
0.81	0.00958	0.81	0.05728
0.88	0.04526	0.88	0.06345
0.95	0.07355	0.95	0.08149

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
39	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.7788	11.35	0.03	28.66 598.6	100.78 2104.8	67.50 1409.8	12.09 3.68	323.00 121.73

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.65815	0.05	0.46431
0.06	-0.69489	0.10	0.29350
0.11	-0.62424	0.20	0.10798
0.17	-0.73103	0.35	-0.09021
0.23	-0.69860	0.50	-0.30095
0.29	-0.58090	0.65	-0.08573
0.35	-0.61259	0.80	0.17348
0.41	-0.63450	0.95	0.19807
0.47	-0.63379		
0.53	-0.60138		
0.57	-0.60687		
0.65	-0.57391		
0.71	-0.61750		
0.77	-0.60408		
0.83	-0.61072		
0.89	-0.56634		
0.95	-0.54951		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.43691	0.02	0.53091
0.06	-0.36720	0.06	0.53599
0.11	-0.32088	0.11	0.48542
0.18	-0.24792	0.18	0.36449
0.25	-0.21462	0.25	0.28519
0.32	-0.18574	0.32	0.20304
0.39	-0.17760	0.39	0.12520
0.46	-0.14030	0.46	0.07283
0.53	-0.12656	0.53	0.03815
0.60	-0.09444	0.60	0.01754
0.67	-0.06877	0.67	0.01962
0.74	-0.03989	0.74	0.02713
0.81	-0.04538	0.81	0.01707
0.88	-0.01211	0.88	-0.00166
0.95	0.01470	0.95	-0.02474

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
39	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.7794	13.53	0.02	28.69 599.1	100.78 2104.8	67.47 1409.1	12.05 3.67	323.92 123.38

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.44595	0.05	0.60399
0.06	-1.36169	0.10	0.39749
0.11	-1.37827	0.20	0.19869
0.17	-1.36077	0.35	-0.00929
0.23	-1.11024	0.50	-0.21889
0.29	-1.06054	0.65	-0.03129
0.35	-0.54888	0.80	0.20866
0.41	-0.50285	0.95	0.20964
0.47	-0.51337		
0.53	-0.55705		
0.57	-0.56508		
0.65	-0.58814		
0.71	-0.58715		
0.77	-0.61848		
0.83	-0.61610		
0.89	-0.60745		
0.95	-0.62521		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.32158	0.02	0.65391
0.06	-0.28948	0.06	0.58746
0.11	-0.29045	0.11	0.56460
0.18	-0.26393	0.18	0.35405
0.25	-0.23886	0.25	0.19940
0.32	-0.24712	0.32	0.11885
0.39	-0.19556	0.39	0.03588
0.46	-0.20473	0.46	-0.00761
0.53	-0.17538	0.53	-0.00626
0.60	-0.17619	0.60	0.02062
0.67	-0.14970	0.67	0.03653
0.74	-0.09851	0.74	0.02318
0.81	-0.12018	0.81	0.00328
0.88	-0.11905	0.88	-0.01039
0.95	-0.10619	0.95	-0.02327

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
39	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.7794	15.67	-0.14	28.69 599.1	100.78 2104.8	67.47 1409.1	12.05 3.67	323.92 123.38

WING

UPPER SURFACE

X/C	CP
0.02	-0.52087
0.06	-0.51819
0.11	-0.50919
0.17	-0.51970
0.23	-0.51866
0.29	-0.52596
0.35	-0.52414
0.41	-0.53329
0.47	-0.53621
0.53	-0.55589
0.57	-0.56974
0.65	-0.56976
0.71	-0.56406
0.77	-0.57438
0.83	-0.57791
0.89	-0.59184
0.95	-0.58576

LOWER SURFACE

X/C	CP
0.05	0.67034
0.10	0.50359
0.20	0.29875
0.35	0.07804
0.50	-0.14616
0.65	-0.00438
0.80	0.21146
0.95	0.21935

HORIZ. TAIL

UPPER SURFACE

X/C	CP
0.02	-0.28460
0.06	-0.26906
0.11	-0.27229
0.18	-0.25192
0.25	-0.24840
0.32	-0.24481
0.39	-0.22390
0.46	-0.22936
0.53	-0.21732
0.60	-0.21690
0.67	-0.20359
0.74	-0.19915
0.81	-0.19262
0.88	-0.18014
0.95	-0.16957

LOWER SURFACE

X/C	CP
0.02	0.62645
0.06	0.58980
0.11	0.48862
0.18	0.33798
0.25	0.24743
0.32	0.16386
0.39	0.09320
0.4	0.04378
0	0.00513
0.60	-0.01145
0.67	-0.01064
0.74	0.00234
0.81	-0.01075
0.88	-0.02968
0.95	-0.06405

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
39	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.7804	17.74	-0.02	28.73 600.1	100.78 2104.8	67.40 1407.7	12.04 3.67	324.31 124.08

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.52389	0.05	0.72940
0.06	-0.51996	0.10	0.55844
0.11	-0.52628	0.20	0.36200
0.17	-0.51924	0.35	0.14544
0.23	-0.52042	0.50	-0.07995
0.29	-0.52628	0.65	0.03614
0.35	-0.53644	0.80	0.23254
0.41	-0.53313	0.95	0.23758
0.47	-0.54739		
0.53	-0.55619		
0.57	-0.56664		
0.65	-0.57012		
0.71	-0.56526		
0.77	-0.57727		
0.83	-0.57917		
0.89	-0.58199		
0.95	-0.56433		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.29681	0.02	0.58744
0.06	-0.28007	0.06	0.64844
0.11	-0.28065	0.11	0.58674
0.18	-0.27821	0.18	0.47261
0.25	-0.28677	0.25	0.36177
0.32	-0.28761	0.32	0.26873
0.39	-0.24265	0.39	0.18402
0.46	-0.28007	0.46	0.11871
0.53	-0.27485	0.53	0.05975
0.60	-0.26124	0.60	0.02616
0.67	-0.25164	0.67	0.01421
0.74	-0.23797	0.74	0.00582
0.81	-0.24358	0.81	-0.02649
0.88	-0.22368	0.88	-0.07392
0.95	-0.21941	0.95	-0.14519

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
39	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.7808	19.86	-0.03	28.76 600.6	100.81 2105.5	67.40 1407.6	12.01 3.66	324.96 125.26

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.52614	0.05	0.78709
0.06	-0.52104	0.10	0.63764
0.11	-0.53130	0.20	0.43495
0.17	-0.52591	0.35	0.21650
0.23	-0.52981	0.50	0.00192
0.29	-0.53570	0.65	0.08646
0.35	-0.54147	0.80	0.26222
0.41	-0.55196	0.95	0.25282
0.47	-0.56143		
0.53	-0.56399		
0.57	-0.56258		
0.65	-0.56699		
0.71	-0.57885		
0.77	-0.57874		
0.83	-0.57371		
0.89	-0.55470		
0.95	-0.55542		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.29903	0.02	0.61521
0.06	-0.29947	0.06	0.66487
0.11	-0.30814	0.11	0.59067
0.18	-0.30902	0.18	0.46894
0.25	-0.31493	0.25	0.36250
0.32	-0.31625	0.32	0.27505
0.39	-0.25677	0.39	0.19183
0.46	-0.31262	0.46	0.13002
0.53	-0.31068	0.53	0.07187
0.60	-0.29671	0.60	0.02851
0.67	-0.29416	0.67	0.00750
0.74	-0.29261	0.74	-0.00317
0.81	-0.28046	0.81	-0.02920
0.88	-0.26185	0.88	-0.08667
0.95	-0.25066	0.95	-0.15727

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
39	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.7825	22.00	-0.04	28.83 602.1	100.78 2104.8	67.26 1404.8	12.03 3.67	324.85 125.06

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.54661	0.05	0.84509
0.06	-0.53656	0.10	0.70394
0.11	-0.54190	0.20	0.50889
0.17	-0.54429	0.35	0.28972
0.23	-0.53656	0.50	0.07146
0.29	-0.54931	0.65	0.13342
0.35	-0.55009	0.80	0.28482
0.41	-0.55201	0.95	0.26571
0.47	-0.55741		
0.53	-0.56634		
0.57	-0.57000		
0.65	-0.58103		
0.71	-0.56564		
0.77	-0.58222		
0.83	-0.58473		
0.89	-0.56495		
0.95	-0.54924		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.32455	0.02	0.58767
0.06	-0.32392	0.06	0.64971
0.11	-0.32566	0.11	0.58057
0.18	-0.33708	0.18	0.46487
0.25	-0.34168	0.25	0.36131
0.32	-0.33839	0.32	0.27807
0.39	-0.27095	0.39	0.18773
0.46	-0.34214	0.46	0.13040
0.53	-0.34696	0.53	0.07065
0.60	-0.33244	0.60	0.02593
0.67	-0.33245	0.67	0.00703
0.74	-0.33469	0.74	-0.01080
0.81	-0.31713	0.81	-0.04448
0.88	-0.31285	0.88	-0.09952
0.95	-0.30737	0.95	-0.19485

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
39	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.7804	-1.92	-0.01	28.73 600.1	100.78 2104.8	67.40 1407.7	12.02 3.66	324.68 124.76

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.03533	0.05	-0.77041
0.06	-0.22330	0.10	-0.89692
0.11	-0.29709	0.20	-0.69087
0.17	-0.40285	0.35	-0.67570
0.23	-0.43951	0.50	-0.45193
0.29	-0.43590	0.65	-0.05103
0.35	-0.43960	0.80	0.14838
0.41	-0.46241	0.95	0.28014
0.47	-0.50786		
0.53	-0.52800		
0.57	-0.52808		
0.65	-0.46770		
0.71	-0.38820		
0.77	-0.28019		
0.83	-0.16848		
0.89	-0.04091		
0.95	0.08286		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.27546	0.02	-0.67687
0.06	0.09943	0.06	-0.48437
0.11	-0.00135	0.11	-0.41896
0.18	-0.12511	0.18	-0.46705
0.25	-0.19255	0.25	-0.44622
0.32	-0.26784	0.32	-0.43590
0.39	-0.26747	0.39	-0.38587
0.46	-0.27140	0.46	-0.32482
0.53	-0.22837	0.53	-0.25948
0.60	-0.15954	0.60	-0.17047
0.67	-0.09543	0.67	-0.07623
0.74	-0.01876	0.74	0.00330
0.81	0.04773	0.81	0.06388
0.88	0.10480	0.88	0.11693
0.95	0.17198	0.95	0.18647

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
40	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8506	-6.34	-0.01	31.79 664.0	100.74 2104.1	62.78 1311.1	12.48 3.80	325.63 126.47

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.45263	0.05	-1.13548
0.06	0.17336	0.10	-1.13864
0.11	0.04649	0.20	-1.04679
0.17	-0.07448	0.35	-0.50108
0.23	-0.15885	0.50	-0.44200
0.29	-0.19229	0.65	-0.38791
0.35	-0.23979	0.80	-0.35888
0.41	-0.28040	0.95	-0.28196
0.47	-0.34795		
0.53	-0.44031		
0.57	-0.49353		
0.65	-0.56292		
0.71	-0.64083		
0.77	-0.71043		
0.83	-0.77201		
0.89	-0.81351		
0.95	-0.41285		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.53473	0.02	-1.26705
0.06	0.32883	0.06	-1.12705
0.11	0.20847	0.11	-1.02463
0.18	0.07542	0.18	-0.63408
0.25	-0.01572	0.25	-0.62912
0.32	-0.12414	0.32	-0.64117
0.39	-0.08924	0.39	-0.38992
0.46	-0.17855	0.46	-0.27202
0.53	-0.16978	0.53	-0.20028
0.60	-0.12256	0.60	-0.11729
0.67	-0.06853	0.67	-0.02997
0.74	-0.00361	0.74	0.03972
0.81	0.05208	0.81	0.10151
0.88	0.09954	0.88	0.15538
0.95	0.15427	0.95	0.20890

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
40	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.8474	-4.08	-0.02	31.67 661.5	100.78 2104.8	63.01 1315.9	12.44 3.79	325.92 126.98

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.22386	0.05	-0.94782
0.06	-0.03436	0.10	-0.94484
0.11	-0.12394	0.20	-0.90523
0.17	-0.23965	0.35	-0.91920
0.23	-0.30277	0.50	-0.39701
0.29	-0.31797	0.65	-0.34303
0.35	-0.35588	0.80	-0.27988
0.41	-0.39546	0.95	-0.14704
0.47	-0.44339		
0.53	-0.51514		
0.57	-0.57286		
0.65	-0.64879		
0.71	-0.73284		
0.77	-0.79011		
0.83	-0.50337		
0.89	-0.23986		
0.95	-0.16458		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.36437	0.02	-0.89316
0.06	0.16907	0.06	-0.66282
0.11	0.06562	0.11	-0.48927
0.18	-0.07532	0.18	-0.55396
0.25	-0.16479	0.25	-0.56028
0.32	-0.26452	0.32	-0.52694
0.39	-0.08228	0.39	-0.41051
0.46	-0.28956	0.46	-0.31577
0.53	-0.24369	0.53	-0.23380
0.60	-0.15865	0.60	-0.14789
0.67	-0.08972	0.67	-0.05428
0.74	-0.00757	0.74	0.02347
0.81	0.06022	0.81	0.08802
0.88	0.11912	0.88	0.14346
0.95	0.18785	0.95	0.21094

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
40	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.8511	-1.93	-0.01	31.82 664.5	100.74 2104.1	62.74 1310.4	12.45 3.79	326.25 127.58

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.01724	0.05	-0.66322
0.06	-0.23095	0.10	-0.72902
0.11	-0.31021	0.20	-0.69522
0.17	-0.41326	0.35	-0.62033
0.23	-0.50059	0.50	-0.50074
0.29	-0.50785	0.65	-0.20707
0.35	-0.51612	0.80	-0.17923
0.41	-0.51902	0.95	-0.03426
0.47	-0.54338		
0.53	-0.60676		
0.57	-0.66987		
0.65	-0.71221		
0.71	-0.76949		
0.77	-0.29087		
0.83	-0.15484		
0.89	-0.05513		
0.95	0.00832		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.28829	0.02	-0.68939
0.06	0.10348	0.06	-0.48341
0.11	-0.00220	0.11	-0.44667
0.18	-0.13923	0.18	-0.52645
0.25	-0.22927	0.25	-0.53914
0.32	-0.34322	0.32	-0.50554
0.39	-0.09033	0.39	-0.41979
0.46	-0.33319	0.46	-0.32313
0.53	-0.26417	0.53	-0.24441
0.60	-0.17043	0.60	-0.15104
0.67	-0.09058	0.67	-0.05517
0.74	-0.00767	0.74	0.02293
0.81	0.05732	0.81	0.09041
0.88	0.11913	0.88	0.14492
0.95	0.19161	0.95	0.21510

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
40	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.8494	0.40	-0.01	31.75 663.2	100.78 2104.8	62.88 1313.2	12.46 3.80	325.84 126.84

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.29975	0.05	-0.35973
0.06	-0.51351	0.10	-0.39375
0.11	-0.64092	0.20	-0.46534
0.17	-0.57568	0.35	-0.50618
0.23	-0.67848	0.50	-0.82076
0.29	-0.71206	0.65	-0.20464
0.35	-0.70431	0.80	-0.13963
0.41	-0.69788	0.95	0.02073
0.47	-0.73968		
0.53	-0.77649		
0.57	-0.83177		
0.65	-0.49112		
0.71	-0.26764		
0.77	-0.19025		
0.83	-0.12624		
0.89	-0.06578		
0.95	-0.00985		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.16346	0.02	-0.37885
0.06	0.01775	0.06	-0.32832
0.11	-0.07937	0.11	-0.35555
0.18	-0.21497	0.18	-0.44097
0.25	-0.29641	0.25	-0.43823
0.32	-0.41747	0.32	-0.44865
0.39	-0.08949	0.39	-0.38935
0.46	-0.35147	0.46	-0.31205
0.53	-0.27416	0.53	-0.24257
0.60	-0.16839	0.60	-0.14951
0.67	-0.08722	0.67	-0.05114
0.74	-0.00280	0.74	0.02660
0.81	0.07162	0.81	0.08070
0.88	0.13353	0.88	0.13395
0.95	0.20331	0.95	0.20394

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
40	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.8499	2.73	-0.01	31.77 663.6	100.78 2104.8	62.84 1312.5	12.45 3.79	326.19 127.48

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.55670	0.05	-0.10121
0.06	-0.81586	0.10	-0.18578
0.11	-0.88584	0.20	-0.28023
0.17	-0.90235	0.35	-0.41854
0.23	-0.94291	0.50	-0.75575
0.29	-0.97740	0.65	-0.18582
0.35	-0.97776	0.80	-0.04870
0.41	-0.94250	0.95	0.13644
0.47	-0.58614		
0.53	-0.42569		
0.57	-0.40100		
0.65	-0.37801		
0.71	-0.35871		
0.77	-0.32920		
0.83	-0.30010		
0.89	-0.27446		
0.95	-0.23857		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.13453	0.02	-0.35281
0.06	-0.01272	0.06	-0.32209
0.11	-0.10919	0.11	-0.34756
0.18	-0.24876	0.18	-0.41137
0.25	-0.32460	0.25	-0.39284
0.32	-0.44102	0.32	-0.37906
0.39	-0.10258	0.39	-0.33154
0.46	-0.35558	0.46	-0.27039
0.53	-0.26460	0.53	-0.21462
0.60	-0.16661	0.60	-0.13333
0.67	-0.08745	0.67	-0.04789
0.74	-0.00460	0.74	0.02259
0.81	0.06141	0.81	0.06862
0.88	0.11955	0.88	0.11722
0.95	0.18791	0.95	0.19066

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
40	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.8496	5.04	-0.02	31.75 663.2	100.74 2104.1	62.84 1312.5	12.43 3.79	326.40 127.85

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.75196	0.05	0.10702
0.06	-1.01512	0.10	-0.02978
0.11	-1.06050	0.20	-0.16013
0.17	-1.06871	0.35	-0.32302
0.23	-1.05732	0.50	-0.68777
0.29	-0.88592	0.65	-0.16118
0.35	-0.59697	0.80	0.08307
0.41	-0.55792	0.95	0.20733
0.47	-0.52666		
0.53	-0.51292		
0.57	-0.49516		
0.65	-0.45422		
0.71	-0.45042		
0.77	-0.44562		
0.83	-0.42726		
0.89	-0.39383		
0.95	-0.36123		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.11298	0.02	-0.04203
0.06	-0.14942	0.06	-0.04342
0.11	-0.21247	0.11	-0.04947
0.18	-0.30028	0.18	-0.09629
0.25	-0.35179	0.25	-0.10828
0.32	-0.42726	0.32	-0.12802
0.39	-0.11467	0.39	-0.11762
0.46	-0.31757	0.46	-0.10555
0.53	-0.24953	0.53	-0.08633
0.60	-0.16366	0.60	-0.06019
0.67	-0.10051	0.67	-0.00878
0.74	-0.03136	0.74	0.03474
0.81	0.03161	0.81	0.06837
0.88	0.07985	0.88	0.09998
0.95	0.13712	0.95	0.13627

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
40	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.8496	7.33	0.00	31.75 663.2	100.74 2104.1	62.84 1312.5	12.45 3.80	325.93 127.01

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.96273	0.05	0.27743
0.06	-1.13188	0.10	0.11394
0.11	-1.19505	0.20	-0.04547
0.17	-1.17451	0.35	-0.23710
0.23	-0.95633	0.50	-0.59548
0.29	-0.68546	0.65	-0.08658
0.35	-0.61911	0.80	0.18254
0.41	-0.57861	0.95	0.24150
0.47	-0.57290		
0.53	-0.53304		
0.57	-0.51590		
0.65	-0.52324		
0.71	-0.52692		
0.77	-0.52701		
0.83	-0.53334		
0.89	-0.52439		
0.95	-0.50457		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.35184	0.02	0.17464
0.06	-0.28498	0.06	0.16128
0.11	-0.28802	0.11	0.12388
0.18	-0.28034	0.18	0.07276
0.25	-0.27701	0.25	0.04295
0.32	-0.28423	0.32	0.01162
0.39	-0.12361	0.39	-0.01350
0.46	-0.22898	0.46	-0.01716
0.53	-0.17545	0.53	-0.01408
0.60	-0.11791	0.60	-0.00379
0.67	-0.06560	0.67	0.02369
0.74	-0.01302	0.74	0.05250
0.81	0.02713	0.81	0.06279
0.88	0.06475	0.88	0.07873
0.95	0.11053	0.95	0.10376

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
40	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.8509	9.39	-0.03	31.82 664.5	100.78 2104.8	62.78 1311.1	12.45 3.80	326.27 127.62

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.83293	0.05	0.39090
0.06	-0.86659	0.10	0.23548
0.11	-0.85967	0.20	0.05523
0.17	-0.71585	0.35	-0.15544
0.23	-0.60941	0.50	-0.50800
0.29	-0.60603	0.65	-0.08395
0.35	-0.59792	0.80	0.20005
0.41	-0.59183	0.95	0.25752
0.47	-0.57243		
0.53	-0.55665		
0.57	-0.56672		
0.65	-0.57810		
0.71	-0.61224		
0.77	-0.61318		
0.83	-0.59889		
0.89	-0.56865		
0.95	-0.54224		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.37534	0.02	0.19056
0.06	-0.29238	0.06	0.22335
0.11	-0.24404	0.11	0.24232
0.18	-0.20329	0.18	0.16832
0.25	-0.19863	0.25	0.12915
0.32	-0.16509	0.32	0.08211
0.39	-0.12538	0.39	0.03907
0.46	-0.14882	0.46	0.02651
0.53	-0.12415	0.53	0.02208
0.60	-0.06263	0.60	0.02084
0.67	-0.04210	0.67	0.04235
0.74	-0.01938	0.74	0.04744
0.81	-0.00324	0.81	0.05559
0.88	0.01658	0.88	0.04932
0.95	0.03180	0.95	0.06076

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
40	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.8501	11.42	0.02	31.77 663.6	100.74 2104.1	62.81 1311.8	12.42 3.79	326.68 128.36

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.56576	0.05	0.48823
0.06	-0.57774	0.10	0.31240
0.11	-0.58358	0.20	0.12441
0.17	-0.58405	0.35	-0.09099
0.23	-0.61702	0.50	-0.38663
0.29	-0.55695	0.65	-0.06118
0.35	-0.56639	0.80	0.21824
0.41	-0.58275	0.95	0.26649
0.47	-0.56136		
0.53	-0.56723		
0.57	-0.57962		
0.65	-0.57016		
0.71	-0.56744		
0.77	-0.55684		
0.83	-0.57624		
0.89	-0.60024		
0.95	-0.57878		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.29749	0.02	0.43213
0.06	-0.24381	0.06	0.47051
0.11	-0.20884	0.11	0.41076
0.18	-0.18985	0.18	0.34138
0.25	-0.17068	0.25	0.27099
0.32	-0.15642	0.32	0.20621
0.39	-0.12530	0.39	0.14126
0.46	-0.12178	0.46	0.09003
0.53	-0.10945	0.53	0.05760
0.60	-0.09251	0.60	0.03761
0.67	-0.07999	0.67	0.03414
0.74	-0.07652	0.74	0.03100
0.81	-0.05529	0.81	0.02111
0.88	-0.05407	0.88	-0.00225
0.95	-0.05052	0.95	-0.03752

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
40	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.8496	13.68	0.17	31.75 663.2	100.74 2104.1	62.84 1312.5	12.42 3.79	326.70 128.39

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.34017	0.05	0.59319
0.06	-1.28552	0.10	0.43846
0.11	-1.23552	0.20	0.22854
0.17	-1.22244	0.35	0.01610
0.23	-1.20402	0.50	-0.23311
0.29	-1.19082	0.65	-0.01443
0.35	-0.88618	0.80	0.24469
0.41	-0.52110	0.95	0.27811
0.47	-0.49925		
0.53	-0.53344		
0.57	-0.54211		
0.65	-0.54943		
0.71	-0.54274		
0.77	-0.55114		
0.83	-0.57178		
0.89	-0.59980		
0.95	-0.60345		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.27855	0.02	0.49311
0.06	-0.26167	0.06	0.56013
0.11	-0.24834	0.11	0.53164
0.18	-0.23586	0.18	0.43038
0.25	-0.23080	0.25	0.33836
0.32	-0.21166	0.32	0.25594
0.39	-0.13525	0.39	0.18050
0.46	-0.19571	0.46	0.12147
0.53	-0.18593	0.53	0.06747
0.60	-0.18344	0.60	0.04100
0.67	-0.16589	0.67	0.02903
0.74	-0.15557	0.74	0.02311
0.81	-0.15153	0.81	0.00212
0.88	-0.14257	0.88	-0.03922
0.95	-0.13407	0.95	-0.08852

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
40	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.8498	15.74	-0.03	31.75 663.1	100.71 2103.4	62.81 1311.8	12.39 3.78	327.15 129.20

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.50884	0.05	0.68094
0.06	-0.50335	0.10	0.51096
0.11	-0.50013	0.20	0.31039
0.17	-0.50526	0.35	0.08967
0.23	-0.49666	0.50	-0.14039
0.29	-0.50727	0.65	0.03022
0.35	-0.50842	0.80	0.26624
0.41	-0.51277	0.95	0.29488
0.47	-0.51904		
0.53	-0.53516		
0.57	-0.52471		
0.65	-0.53731		
0.71	-0.55011		
0.77	-0.54564		
0.83	-0.54173		
0.89	-0.55095		
0.95	-0.53643		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.28187	0.02	0.53553
0.06	-0.26576	0.06	0.60175
0.11	-0.27472	0.11	0.54052
0.18	-0.25977	0.18	0.44889
0.25	-0.25424	0.25	0.35032
0.32	-0.26379	0.32	0.26857
0.39	-0.13849	0.39	0.17327
0.46	-0.25131	0.46	0.10903
0.53	-0.24131	0.53	0.06936
0.60	-0.24271	0.60	0.01714
0.67	-0.22954	0.67	0.00052
0.74	-0.22367	0.74	-0.00266
0.81	-0.21408	0.81	-0.02354
0.88	-0.19877	0.88	-0.06563
0.95	-0.17955	0.95	-0.11968

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
40	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.8501	17.99	-0.03	31.77 663.6	100.74 2104.1	62.81 1311.8	12.40 3.78	327.15 129.20

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.52862	0.05	0.75946
0.06	-0.53245	0.10	0.60168
0.11	-0.52683	0.20	0.40083
0.17	-0.53430	0.35	0.17738
0.23	-0.54667	0.50	-0.04229
0.29	-0.54361	0.65	0.08462
0.35	-0.53409	0.80	0.29544
0.41	-0.52158	0.95	0.31489
0.47	-0.54005		
0.53	-0.53409		
0.57	-0.52785		
0.65	-0.54802		
0.71	-0.55029		
0.77	-0.54667		
0.83	-0.56040		
0.89	-0.54987		
0.95	-0.54626		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.31048	0.02	0.60189
0.06	-0.29298	0.06	0.65942
0.11	-0.29331	0.11	0.58184
0.18	-0.29576	0.18	0.46199
0.25	-0.29988	0.25	0.34933
0.32	-0.30191	0.32	0.25531
0.39	-0.14199	0.39	0.15636
0.46	-0.30448	0.46	0.09200
0.53	-0.30547	0.53	0.04178
0.60	-0.29366	0.60	-0.00400
0.67	-0.28608	0.67	-0.01544
0.74	-0.27274	0.74	-0.02495
0.81	-0.26442	0.81	-0.04775
0.88	-0.25679	0.88	-0.09993
0.95	-0.24631	0.95	-0.16972

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
40	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.8501	20.16	-0.02	31.77 663.6	100.74 2104.1	62.81 1311.8	12.36 3.77	327.88 130.51

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.55443	0.05	0.81969
0.06	-0.54798	0.10	0.68012
0.11	-0.53489	0.20	0.48356
0.17	-0.55443	0.35	0.26495
0.23	-0.55028	0.50	0.04136
0.29	-0.54431	0.65	0.13911
0.35	-0.54184	0.80	0.32561
0.41	-0.54361	0.95	0.33056
0.47	-0.55058		
0.53	-0.56513		
0.57	-0.57446		
0.65	-0.57088		
0.71	-0.56198		
0.77	-0.58009		
0.83	-0.58511		
0.89	-0.58401		
0.95	-0.55882		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.31065	0.02	0.60371
0.06	-0.30823	0.06	0.66642
0.11	-0.31166	0.11	0.59813
0.18	-0.31506	0.18	0.48085
0.25	-0.32011	0.25	0.36783
0.32	-0.32065	0.32	0.26938
0.39	-0.15079	0.39	0.18427
0.46	-0.30635	0.46	0.11954
0.53	-0.30203	0.53	0.05814
0.60	-0.30562	0.60	0.01519
0.67	-0.29760	0.67	-0.00135
0.74	-0.29555	0.74	-0.01645
0.81	-0.28967	0.81	-0.05261
0.88	-0.28467	0.88	-0.10726
0.95	-0.28258	0.95	-0.19136

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
40	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.8516	22.39	-0.06	31.84 664.9	100.74 2104.1	62.71 1309.7	12.40 3.78	327.37 129.60

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.58412	0.05	0.86996
0.06	-0.57440	0.10	0.74272
0.11	-0.56890	0.20	0.55471
0.17	-0.57003	0.35	0.33778
0.23	-0.57314	0.50	0.11875
0.29	-0.57477	0.65	0.18801
0.35	-0.58770	0.80	0.34643
0.41	-0.58715	0.95	0.34057
0.47	-0.57687		
0.53	-0.58349		
0.57	-0.57001		
0.65	-0.56680		
0.71	-0.59611		
0.77	-0.59906		
0.83	-0.60224		
0.89	-0.57171		
0.95	-0.55935		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.35294	0.02	0.60112
0.06	-0.34570	0.06	0.65514
0.11	-0.34472	0.11	0.57970
0.18	-0.35715	0.18	0.46397
0.25	-0.35825	0.25	0.36102
0.32	-0.36443	0.32	0.26537
0.39	-0.16447	0.39	0.18606
0.46	-0.36034	0.46	0.11923
0.53	-0.36275	0.53	0.06208
0.60	-0.35463	0.60	0.01419
0.67	-0.35281	0.67	-0.00914
0.74	-0.34975	0.74	-0.02533
0.81	-0.34116	0.81	-0.05634
0.88	-0.34361	0.88	-0.11450
0.95	-0.34220	0.95	-0.21050

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
40	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.8501	-1.87	0.00	31.77 663.6	100.74 2104.1	62.81 1311.8	12.39 3.78	327.41 129.67

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.00110	0.05	-0.62635
0.06	-0.22116	0.10	-0.73080
0.11	-0.32120	0.20	-0.68745
0.17	-0.41213	0.35	-0.56945
0.23	-0.49211	0.50	-0.43960
0.29	-0.51361	0.65	-0.19554
0.35	-0.51694	0.80	-0.14923
0.41	-0.53664	0.95	-0.02836
0.47	-0.54437		
0.53	-0.60401		
0.57	-0.64691		
0.65	-0.68916		
0.71	-0.76462		
0.77	-0.27493		
0.83	-0.14312		
0.89	-0.06428		
0.95	0.00274		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.28782	0.02	-0.68769
0.06	0.10339	0.06	-0.47321
0.11	-0.00318	0.11	-0.44069
0.18	-0.13360	0.18	-0.51969
0.25	-0.22326	0.25	-0.51606
0.32	-0.33279	0.32	-0.47904
0.39	-0.16699	0.39	-0.42079
0.46	-0.33332	0.46	-0.32786
0.53	-0.26935	0.53	-0.25060
0.60	-0.16783	0.60	-0.15198
0.67	-0.08905	0.67	-0.05397
0.74	-0.00782	0.74	0.02454
0.81	0.06221	0.81	0.08603
0.88	0.12289	0.88	0.13858
0.95	0.19510	0.95	0.20571

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
41	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.5977	-6.27	-0.01	19.82 414.0	100.92 2107.7	79.26 1655.4	10.94 3.34	307.52 93.86

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.57411	0.05	-2.10607
0.06	0.26618	0.10	-1.04980
0.11	0.11711	0.20	-0.81230
0.17	0.01176	0.35	-0.64721
0.23	-0.06273	0.50	-0.49697
0.29	-0.09362	0.65	-0.11469
0.35	-0.14257	0.80	0.07612
0.41	-0.18408	0.95	0.17243
0.47	-0.22015		
0.53	-0.24802		
0.57	-0.26990		
0.65	-0.26390		
0.71	-0.24768		
0.77	-0.21023		
0.83	-0.15924		
0.89	-0.07284		
0.95	0.02257		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.75376	0.02	-0.81971
0.06	0.59404	0.06	-0.73587
0.11	0.46603	0.11	-0.71586
0.18	0.33649	0.18	-0.68866
0.25	0.22017	0.25	-0.68458
0.32	0.11135	0.32	-0.65899
0.39	-0.29181	0.39	-0.63476
0.46	0.00803	0.46	-0.60580
0.53	-0.02497	0.53	-0.57923
0.60	-0.03174	0.60	-0.54010
0.67	-0.03893	0.67	-0.50121
0.74	-0.03944	0.74	-0.47794
0.81	-0.04656	0.81	-0.42960
0.88	-0.08284	0.88	-0.38287
0.95	-0.15655	0.95	-0.33592

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
41	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.6016	-4.05	-0.01	20.02 418.1	100.92 2107.7	79.02 1650.4	10.97 3.34	307.97 94.67

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.27827	0.05	-1.14918
0.06	0.02452	0.10	-0.77216
0.11	-0.07881	0.20	-0.63323
0.17	-0.13608	0.35	-0.54651
0.23	-0.20194	0.50	-0.46783
0.29	-0.20876	0.65	-0.10377
0.35	-0.23307	0.80	0.16343
0.41	-0.25086	0.95	0.27255
0.47	-0.28092		
0.53	-0.31466		
0.57	-0.33872		
0.65	-0.31767		
0.71	-0.27821		
0.77	-0.22690		
0.83	-0.16567		
0.89	-0.07522		
0.95	0.03326		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.74768	0.02	-0.80159
0.06	0.57066	0.06	-0.76302
0.11	0.44054	0.11	-0.74128
0.18	0.30519	0.18	-0.75477
0.25	0.18810	0.25	-0.72109
0.32	0.08911	0.32	-0.68114
0.39	-0.25948	0.39	-0.62100
0.46	-0.01359	0.46	-0.58465
0.53	-0.03838	0.53	-0.54150
0.60	-0.03341	0.60	-0.48622
0.67	-0.03222	0.67	-0.44953
0.74	-0.02569	0.74	-0.40453
0.81	-0.02405	0.81	-0.36851
0.88	-0.05219	0.88	-0.30843
0.95	-0.10420	0.95	-0.24885

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
41	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.5999	-1.80	-0.01	19.93 416.3	100.92 2107.7	79.12 1652.5	10.93 3.33	308.43 95.51

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.03172	0.05	-0.72425
0.06	-0.20883	0.10	-0.56423
0.11	-0.28847	0.20	-0.48459
0.17	-0.35497	0.35	-0.44208
0.23	-0.36317	0.50	-0.40979
0.29	-0.34524	0.65	-0.07776
0.35	-0.35865	0.80	0.19866
0.41	-0.35386	0.95	0.29934
0.47	-0.37696		
0.53	-0.39241		
0.57	-0.39876		
0.65	-0.36828		
0.71	-0.32087		
0.77	-0.25972		
0.83	-0.18562		
0.89	-0.08688		
0.95	0.02686		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.73963	0.02	-0.88715
0.06	0.54994	0.06	-0.88143
0.11	0.42118	0.11	-0.88020
0.18	0.28555	0.18	-0.83299
0.25	0.17526	0.25	-0.76866
0.32	0.08000	0.32	-0.70021
0.39	-0.22092	0.39	-0.62607
0.46	-0.01523	0.46	-0.56076
0.53	-0.03502	0.53	-0.49885
0.60	-0.01902	0.60	-0.45793
0.67	-0.00891	0.67	-0.38745
0.74	0.00706	0.74	-0.34891
0.81	0.01378	0.81	-0.28377
0.88	0.00240	0.88	-0.23444
0.95	-0.00864	0.95	-0.17994

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
41	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.5999	0.37	-0.01	19.93 416.3	100.92 2107.7	79.12 1652.5	10.90 3.32	309.03 96.59

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.56744	0.05	-0.28258
0.06	-0.58511	0.10	-0.31498
0.11	-0.56851	0.20	-0.32149
0.17	-0.53467	0.35	-0.33435
0.23	-0.51887	0.50	-0.36380
0.29	-0.48133	0.65	-0.06354
0.35	-0.45676	0.80	0.21753
0.41	-0.45363	0.95	0.31355
0.47	-0.46630		
0.53	-0.46445		
0.57	-0.46595		
0.65	-0.41319		
0.71	-0.36347		
0.77	-0.29220		
0.83	-0.20542		
0.89	-0.09329		
0.95	0.02282		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.73310	0.02	-0.96101
0.06	0.52338	0.06	-0.95656
0.11	0.38599	0.11	-0.95065
0.18	0.25568	0.18	-0.91253
0.25	0.14141	0.25	-0.82908
0.32	0.05344	0.32	-0.72651
0.39	-0.19527	0.39	-0.62797
0.46	-0.03125	0.46	-0.54051
0.53	-0.04441	0.53	-0.47398
0.60	-0.03845	0.60	-0.39824
0.67	-0.02460	0.67	-0.32316
0.74	-0.00032	0.74	-0.26087
0.81	0.01948	0.81	-0.21567
0.88	0.02585	0.88	-0.14941
0.95	0.02519	0.95	-0.09285

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
41	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.5999	2.61	-0.01	19.93 416.3	100.92 2107.7	79.12 1652.5	10.91 3.33	308.92 96.39

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.29932	0.05	-0.00770
0.06	-0.93890	0.10	-0.09725
0.11	-0.77686	0.20	-0.17849
0.17	-0.73534	0.35	-0.23942
0.23	-0.67664	0.50	-0.29541
0.29	-0.60575	0.65	-0.02867
0.35	-0.59384	0.80	0.23793
0.41	-0.55619	0.95	0.32586
0.47	-0.53811		
0.53	-0.52879		
0.57	-0.52082		
0.65	-0.45640		
0.71	-0.38930		
0.77	-0.30628		
0.83	-0.21364		
0.89	-0.09758		
0.95	0.01849		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.72398	0.02	-1.05186
0.06	0.50275	0.06	-1.04233
0.11	0.35928	0.11	-1.01159
0.18	0.22735	0.18	-0.95496
0.25	0.11312	0.25	-0.85548
0.32	0.01648	0.32	-0.75141
0.39	-0.17135	0.39	-0.61664
0.46	-0.05437	0.46	-0.51081
0.53	-0.06597	0.53	-0.40551
0.60	-0.04930	0.60	-0.33833
0.67	-0.02834	0.67	-0.26424
0.74	0.00469	0.74	-0.19790
0.81	0.02897	0.81	-0.12642
0.88	0.04947	0.88	-0.06871
0.95	0.06569	0.95	-0.00435

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
41	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.6003	4.75	-0.01	19.96 416.9	100.95 2108.4	79.12 1652.5	10.90 3.32	309.35 97.16

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.96896	0.05	0.23851
0.06	-1.74336	0.10	0.09418
0.11	-1.01532	0.20	-0.03941
0.17	-0.92843	0.35	-0.14883
0.23	-0.83492	0.50	-0.22020
0.29	-0.73811	0.65	0.01109
0.35	-0.67736	0.80	0.26010
0.41	-0.63379	0.95	0.33802
0.47	-0.60370		
0.53	-0.57398		
0.57	-0.55594		
0.65	-0.47867		
0.71	-0.39911		
0.77	-0.30603		
0.83	-0.21051		
0.89	-0.08728		
0.95	0.00872		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.70344	0.02	-1.39365
0.06	0.46970	0.06	-1.46939
0.11	0.32253	0.11	-1.26605
0.18	0.19516	0.18	-0.97609
0.25	0.08426	0.25	-0.74003
0.32	-0.01677	0.32	-0.63755
0.39	-0.14972	0.39	-0.46892
0.46	-0.07616	0.46	-0.36951
0.53	-0.08347	0.53	-0.29900
0.60	-0.05540	0.60	-0.20342
0.67	-0.03340	0.67	-0.13730
0.74	0.00335	0.74	-0.08246
0.81	0.04048	0.81	-0.00270
0.88	0.07077	0.88	0.04750
0.95	0.11299	0.95	0.11164

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
41	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.6003	6.99	-0.01	19.96 416.9	100.95 2108.4	79.12 1652.5	10.89 3.32	309.56 97.53

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-2.49430	0.05	0.40396
0.06	-2.42288	0.10	0.24454
0.11	-2.03819	0.20	0.06751
0.17	-1.09385	0.35	-0.06506
0.23	-0.94335	0.50	-0.15241
0.29	-0.82159	0.65	0.03594
0.35	-0.74148	0.80	0.26650
0.41	-0.67547	0.95	0.33099
0.47	-0.62261		
0.53	-0.57800		
0.57	-0.54036		
0.65	-0.45101		
0.71	-0.37641		
0.77	-0.28346		
0.83	-0.18826		
0.89	-0.09157		
0.95	-0.01391		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.67949	0.02	-1.61304
0.06	0.43294	0.06	-1.43986
0.11	0.28801	0.11	-0.99487
0.18	0.15775	0.18	-0.64118
0.25	0.04736	0.25	-0.53104
0.32	-0.03534	0.32	-0.46503
0.39	-0.12701	0.39	-0.39011
0.46	-0.09843	0.46	-0.31840
0.53	-0.10579	0.53	-0.25002
0.60	-0.06950	0.60	-0.17682
0.67	-0.03920	0.67	-0.09877
0.74	0.00372	0.74	-0.02934
0.81	0.03766	0.81	0.03127
0.88	0.07019	0.88	0.08229
0.95	0.11493	0.95	0.13980

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
41	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.6003	9.02	-0.01	19.96 416.9	100.95 2108.4	79.12 1652.5	10.88 3.32	309.76 97.90

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.80786	0.05	0.48932
0.06	-1.53184	0.10	0.30587
0.11	-1.36924	0.20	0.11636
0.17	-1.33247	0.35	-0.04298
0.23	-1.16076	0.50	-0.17709
0.29	-1.00052	0.65	-0.00737
0.35	-0.86884	0.80	0.21136
0.41	-0.76326	0.95	0.22271
0.47	-0.67038		
0.53	-0.56580		
0.57	-0.53492		
0.65	-0.48384		
0.71	-0.42134		
0.77	-0.37512		
0.83	-0.30669		
0.89	-0.29569		
0.95	-0.27549		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.51883	0.02	-1.34591
0.06	0.37111	0.06	-0.82744
0.11	0.26303	0.11	-0.59019
0.18	0.13313	0.18	-0.50398
0.25	0.03402	0.25	-0.37445
0.32	-0.04230	0.32	-0.30836
0.39	-0.11494	0.39	-0.27486
0.46	-0.09697	0.46	-0.23002
0.53	-0.09230	0.53	-0.19194
0.60	-0.06958	0.60	-0.12367
0.67	-0.04883	0.67	-0.06688
0.74	-0.01043	0.74	-0.01714
0.81	0.01920	0.81	0.01853
0.88	0.04246	0.88	0.04752
0.95	0.07762	0.95	0.08843

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
41	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.5983	11.01	0.00	19.85 414.6	100.92 2107.7	79.22 1654.6	10.84 3.30	309.95 98.24

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.54942	0.05	0.52867
0.06	-1.45644	0.10	0.33898
0.11	-1.34546	0.20	0.13739
0.17	-1.11895	0.35	-0.03464
0.23	-0.80721	0.50	-0.19276
0.29	-0.66637	0.65	-0.04754
0.35	-0.57177	0.80	0.15476
0.41	-0.56023	0.95	0.16200
0.47	-0.64253		
0.53	-0.61516		
0.57	-0.64992		
0.65	-0.66570		
0.71	-0.63063		
0.77	-0.62716		
0.83	-0.62439		
0.89	-0.55193		
0.95	-0.55220		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.26622	0.02	-0.33838
0.06	0.16577	0.06	-0.35107
0.11	0.12974	0.11	-0.25798
0.18	0.07233	0.18	-0.23210
0.25	0.01715	0.25	-0.19613
0.32	-0.02960	0.32	-0.15319
0.39	-0.10565	0.39	-0.14096
0.46	-0.05825	0.46	-0.13087
0.53	-0.06352	0.53	-0.10819
0.60	-0.04142	0.60	-0.07841
0.67	-0.02512	0.67	-0.04754
0.74	-0.00273	0.74	-0.01448
0.81	0.01954	0.81	0.01480
0.88	0.03809	0.88	0.03269
0.95	0.06652	0.95	0.06584

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
41	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.5998	13.07	-0.03	19.93 416.3	100.95 2108.4	79.16 1653.2	10.84 3.31	310.38 99.01

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.52857	0.05	0.61937
0.06	-0.48820	0.10	0.41226
0.11	-0.47791	0.20	0.21332
0.17	-0.51783	0.35	0.01278
0.23	-0.51258	0.50	-0.14968
0.29	-0.51142	0.65	-0.02067
0.35	-0.53294	0.80	0.16965
0.41	-0.54664	0.95	0.16710
0.47	-0.56471		
0.53	-0.58093		
0.57	-0.59306		
0.65	-0.61532		
0.71	-0.60912		
0.77	-0.61143		
0.83	-0.59923		
0.89	-0.57522		
0.95	-0.52393		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.43393	0.02	0.15393
0.06	-0.21403	0.06	0.04446
0.11	-0.13304	0.11	-0.03853
0.18	-0.10471	0.18	-0.10068
0.25	-0.08111	0.25	-0.12787
0.32	-0.08947	0.32	-0.16488
0.39	-0.10236	0.39	-0.17149
0.46	-0.05774	0.46	-0.15692
0.53	-0.04490	0.53	-0.13673
0.60	-0.03860	0.60	-0.10471
0.67	-0.02267	0.67	-0.05774
0.74	-0.00602	0.74	-0.01306
0.81	0.01380	0.81	0.02494
0.88	0.02963	0.88	0.05086
0.95	0.04652	0.95	0.08801

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
41	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.6009	15.18	-0.03	19.99 417.5	100.95 2108.4	79.09 1651.8	10.85 3.31	310.51 99.25

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.50876	0.05	0.67640
0.06	-0.49128	0.10	0.49619
0.11	-0.48455	0.20	0.28385
0.17	-0.48674	0.35	0.07718
0.23	-0.49925	0.50	-0.11505
0.29	-0.50955	0.65	-0.00887
0.35	-0.52043	0.80	0.16374
0.41	-0.53444	0.95	0.14436
0.47	-0.54455		
0.53	-0.56781		
0.57	-0.59288		
0.65	-0.61420		
0.71	-0.61686		
0.77	-0.61745		
0.83	-0.62487		
0.89	-0.58917		
0.95	-0.56698		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.58183	0.02	0.25112
0.06	-0.39002	0.06	0.14076
0.11	-0.26558	0.11	0.03558
0.18	-0.20647	0.18	-0.05800
0.25	-0.14466	0.25	-0.09353
0.32	-0.11992	0.32	-0.12159
0.39	-0.09804	0.39	-0.14041
0.46	-0.08424	0.46	-0.13338
0.53	-0.07326	0.53	-0.12159
0.60	-0.06367	0.60	-0.09704
0.67	-0.06631	0.67	-0.06033
0.74	-0.04093	0.74	-0.02560
0.81	-0.03031	0.81	0.00439
0.88	-0.01651	0.88	0.02348
0.95	0.01746	0.95	0.05571

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
41	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.6010	17.29	0.00	19.99 417.5	100.92 2107.7	79.06 1651.1	10.85 3.31	310.47 99.18

WING

UPPER SURFACE

X/C	CP
0.02	-1.91336
0.06	-1.70156
0.11	-0.59220
0.17	-0.50005
0.23	-0.54198
0.29	-0.53608
0.35	-0.54016
0.41	-0.54364
0.47	-0.55679
0.53	-0.57459
0.57	-0.56260
0.65	-0.58385
0.71	-0.59365
0.77	-0.61351
0.83	-0.63963
0.89	-0.65883
0.95	-0.66841

LOWER SURFACE

X/C	CP
0.05	0.73837
0.10	0.56471
0.20	0.34288
0.35	0.13213
0.50	-0.06616
0.65	0.01444
0.80	0.17214
0.95	0.13419

HORIZ. TAIL

UPPER SURFACE

X/C	CP
0.02	-0.51275
0.06	-0.34999
0.11	-0.22243
0.18	-0.34428
0.25	-0.29508
0.32	-0.26385
0.39	-0.11263
0.46	-0.10742
0.53	-0.09717
0.60	-0.13402
0.67	-0.11607
0.74	-0.08982
0.81	-0.01234
0.88	0.01645
0.95	0.03630

LOWER SURFACE

X/C	CP
0.02	0.41571
0.06	0.25019
0.11	0.13718
0.18	0.04304
0.25	-0.02257
0.32	-0.06678
0.39	-0.10527
0.46	-0.10709
0.53	-0.10552
0.60	-0.09959
0.67	-0.06916
0.74	-0.03471
0.81	-0.01401
0.88	-0.00461
0.95	0.01310

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
41	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.6003	19.31	0.15	19.96 416.9	100.95 2108.4	79.12 1652.5	10.82 3.30	311.11 100.32

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.50709	0.05	0.72623
0.06	-0.49727	0.10	0.57523
0.11	-0.50238	0.20	0.37079
0.17	-0.50341	0.35	0.15013
0.23	-0.51026	0.50	-0.05292
0.29	-0.52714	0.65	0.01578
0.35	-0.56035	0.80	0.16596
0.41	-0.58987	0.95	0.12802
0.47	-0.58935		
0.53	-0.56169		
0.57	-0.57321		
0.65	-0.59437		
0.71	-0.59786		
0.77	-0.62750		
0.83	-0.60473		
0.89	-0.58949		
0.95	-0.58587		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.54059	0.02	0.51221
0.06	-0.44297	0.06	0.42357
0.11	-0.37796	0.11	0.29491
0.18	-0.37312	0.18	0.18666
0.25	-0.33938	0.25	0.09377
0.32	-0.28832	0.32	0.02623
0.39	-0.12962	0.39	-0.02378
0.46	-0.20382	0.46	-0.05060
0.53	-0.18329	0.53	-0.08596
0.60	-0.16579	0.60	-0.08976
0.67	-0.13520	0.67	-0.07991
0.74	-0.13412	0.74	-0.06555
0.81	-0.12895	0.81	-0.05694
0.88	-0.11522	0.88	-0.07258
0.95	-0.10067	0.95	-0.08261

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
41	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
16	0.5998	21.40	0.20	19.93 416.3	100.95 2108.4	79.16 1653.2	10.81 3.30	311.05 100.22

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.62638	0.05	0.79243
0.06	-2.11810	0.10	0.64369
0.11	-0.56920	0.20	0.43896
0.17	-0.60061	0.35	0.22720
0.23	-0.65673	0.50	0.00267
0.29	-0.59964	0.65	0.05442
0.35	-0.59023	0.80	0.18714
0.41	-0.60477	0.95	0.14581
0.47	-0.60098		
0.53	-0.61333		
0.57	-0.62609		
0.65	-0.63910		
0.71	-0.65250		
0.77	-0.66938		
0.83	-0.63877		
0.89	-0.69836		
0.95	-0.71767		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.58320	0.02	0.55273
0.06	-0.52884	0.06	0.45577
0.11	-0.53409	0.11	0.35075
0.18	-0.50586	0.18	0.22801
0.25	-0.46690	0.25	0.12467
0.32	-0.43844	0.32	0.04002
0.39	-0.14530	0.39	-0.01474
0.46	-0.29971	0.46	-0.05060
0.53	-0.25684	0.53	-0.08294
0.60	-0.23034	0.60	-0.09073
0.67	-0.19547	0.67	-0.08723
0.74	-0.16253	0.74	-0.07993
0.81	-0.14731	0.81	-0.08504
0.88	-0.12786	0.88	-0.10721
0.95	-0.10936	0.95	-0.14147

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
41	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.5999	-1.83	0.00	19.93 416.3	100.92 2107.7	79.12 1652.5	10.82 3.30	310.79 99.75

WING

UPPER SURFACE

X/C	CP
0.02	-0.13053
0.06	-0.28191
0.11	-0.29282
0.17	-0.30758
0.23	-0.34323
0.29	-0.34603
0.35	-0.35176
0.41	-0.36356
0.47	-0.37983
0.53	-0.38624
0.57	-0.39388
0.65	-0.36309
0.71	-0.32432
0.77	-0.26325
0.83	-0.19108
0.89	-0.08601
0.95	0.02587

LOWER SURFACE

X/C	CP
0.05	-0.74359
0.10	-0.57065
0.20	-0.49686
0.35	-0.45445
0.50	-0.42138
0.65	-0.08562
0.80	0.18962
0.95	0.30103

HORIZ. TAIL

UPPER SURFACE

X/C	CP
0.02	0.74254
0.06	0.55227
0.11	0.41499
0.18	0.28150
0.25	0.16512
0.32	0.06902
0.39	-0.11915
0.46	-0.02830
0.53	-0.05086
0.60	-0.04184
0.67	-0.03530
0.74	-0.02309
0.81	-0.01506
0.88	-0.02563
0.95	-0.05588

LOWER SURFACE

X/C	CP
0.02	-0.84946
0.06	-0.85111
0.11	-0.84365
0.18	-0.81833
0.25	-0.74647
0.32	-0.68302
0.39	-0.63090
0.46	-0.56618
0.53	-0.51469
0.60	-0.45385
0.67	-0.39921
0.74	-0.36109
0.81	-0.30624
0.88	-0.24558
0.95	-0.19075

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
42	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7771	-6.50	-0.01	28.59 597.2	100.81 2105.5	67.64 1412.6	12.40 3.78	316.38 109.81

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.49434	0.05	-1.39220
0.06	0.20156	0.10	-1.42138
0.11	0.06239	0.20	-1.29305
0.17	-0.03649	0.35	-0.64829
0.23	-0.12977	0.50	-0.46291
0.29	-0.17125	0.65	-0.20024
0.35	-0.21407	0.80	-0.05928
0.41	-0.25070	0.95	0.02413
0.47	-0.31074		
0.53	-0.37833		
0.57	-0.41280		
0.65	-0.43065		
0.71	-0.39959		
0.77	-0.33722		
0.83	-0.26222		
0.89	-0.18509		
0.95	-0.07837		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.75107	0.02	-0.71924
0.06	0.59214	0.06	-0.68978
0.11	0.46698	0.11	-0.61516
0.18	0.34317	0.18	-0.61736
0.25	0.22503	0.25	-0.58559
0.32	0.11780	0.32	-0.57294
0.39	0.32177	0.39	-0.54726
0.46	-0.01070	0.46	-0.53001
0.53	-0.04924	0.53	-0.52209
0.60	-0.05798	0.60	-0.50801
0.67	-0.06698	0.67	-0.48071
0.74	-0.06464	0.74	-0.46727
0.81	-0.06756	0.81	-0.44586
0.88	-0.10930	0.88	-0.40768
0.95	-0.19037	0.95	-0.37419

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
42	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.7799	-4.29	-0.01	28.71 599.6	100.78 2104.8	67.43 1408.4	12.28 3.74	319.28 115.03

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.27952	0.05	-1.24169
0.06	0.01263	0.10	-1.22647
0.11	-0.10565	0.20	-1.09054
0.17	-0.18108	0.35	-0.93976
0.23	-0.24208	0.50	-0.36732
0.29	-0.26977	0.65	-0.05328
0.35	-0.30415	0.80	0.06137
0.41	-0.33277	0.95	0.18477
0.47	-0.37337		
0.53	-0.42466		
0.57	-0.44318		
0.65	-0.42109		
0.71	-0.36266		
0.77	-0.27641		
0.83	-0.18131		
0.89	-0.05382		
0.95	0.07513		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.75139	0.02	-0.73676
0.06	0.56838	0.06	-0.73752
0.11	0.43842	0.11	-0.73699
0.18	0.30227	0.18	-0.70715
0.25	0.17907	0.25	-0.66283
0.32	0.05668	0.32	-0.63480
0.39	0.33370	0.39	-0.58315
0.46	-0.05189	0.46	-0.55498
0.53	-0.08726	0.53	-0.51560
0.60	-0.08202	0.60	-0.47803
0.67	-0.08018	0.67	-0.44434
0.74	-0.06957	0.74	-0.40712
0.81	-0.05405	0.81	-0.37081
0.88	-0.07833	0.88	-0.32234
0.95	-0.13918	0.95	-0.28514

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
42	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.7804	-1.96	-0.01	28.73 600.1	100.78 2104.8	67.40 1407.7	12.26 3.74	319.62 115.64

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.00463	0.05	-0.77910
0.06	-0.23770	0.10	-0.87908
0.11	-0.31799	0.20	-0.69658
0.17	-0.39224	0.35	-0.67953
0.23	-0.41847	0.50	-0.46631
0.29	-0.41663	0.65	-0.04627
0.35	-0.43277	0.80	0.16462
0.41	-0.44281	0.95	0.28452
0.47	-0.47666		
0.53	-0.49333		
0.57	-0.49843		
0.65	-0.44688		
0.71	-0.36615		
0.77	-0.26783		
0.83	-0.16072		
0.89	-0.03351		
0.95	0.08724		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.73664	0.02	-0.74351
0.06	0.53916	0.06	-0.75707
0.11	0.40046	0.11	-0.75537
0.18	0.27116	0.18	-0.73187
0.25	0.14713	0.25	-0.67711
0.32	0.03699	0.32	-0.63184
0.39	0.33397	0.39	-0.57696
0.46	-0.08335	0.46	-0.52693
0.53	-0.10674	0.53	-0.48131
0.60	-0.10013	0.60	-0.44838
0.67	-0.09031	0.67	-0.40364
0.74	-0.07138	0.74	-0.36498
0.81	-0.04795	0.81	-0.32352
0.88	-0.06018	0.88	-0.27316
0.95	-0.10395	0.95	-0.22749

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
42	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.7797	0.41	-0.01	28.71 599.7	100.81 2105.5	67.47 1409.1	12.24 3.73	320.03 116.38

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.48221	0.05	-0.36832
0.06	-0.64332	0.10	-0.37189
0.11	-0.62745	0.20	-0.41728
0.17	-0.69238	0.35	-0.47569
0.23	-0.72740	0.50	-0.46592
0.29	-0.64488	0.65	-0.04161
0.35	-0.54738	0.80	0.21685
0.41	-0.58797	0.95	0.32385
0.47	-0.61258		
0.53	-0.62558		
0.57	-0.59515		
0.65	-0.48522		
0.71	-0.38283		
0.77	-0.27090		
0.83	-0.15543		
0.89	-0.03418		
0.95	0.07596		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.73039	0.02	-0.76685
0.06	0.52244	0.06	-0.77603
0.11	0.37898	0.11	-0.77387
0.18	0.24587	0.18	-0.73008
0.25	0.11874	0.25	-0.67783
0.32	0.00586	0.32	-0.63838
0.39	0.33673	0.39	-0.58019
0.46	-0.10044	0.46	-0.52544
0.53	-0.12197	0.53	-0.47244
0.60	-0.10843	0.60	-0.42193
0.67	-0.09164	0.67	-0.37814
0.74	-0.06759	0.74	-0.33764
0.81	-0.04652	0.81	-0.30114
0.88	-0.05064	0.88	-0.24751
0.95	-0.08966	0.95	-0.20285

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
42	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.7813	2.85	-0.01	28.78 601.1	100.81 2105.5	67.36 1406.9	12.24 3.73	320.42 117.08

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.84144	0.05	-0.05059
0.06	-1.07705	0.10	-0.13065
0.11	-1.12494	0.20	-0.23416
0.17	-1.10985	0.35	-0.32807
0.23	-1.12450	0.50	-0.39720
0.29	-1.14353	0.65	-0.02397
0.35	-1.08612	0.80	0.25218
0.41	-1.01801	0.95	0.35198
0.47	-0.80424		
0.53	-0.48837		
0.57	-0.44992		
0.65	-0.41219		
0.71	-0.32998		
0.77	-0.23879		
0.83	-0.13890		
0.89	-0.02924		
0.95	0.06263		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.72385	0.02	-0.81911
0.06	0.50260	0.06	-0.82819
0.11	0.36330	0.11	-0.81841
0.18	0.22420	0.18	-0.77259
0.25	0.09581	0.25	-0.70202
0.32	-0.01503	0.32	-0.64900
0.39	0.33068	0.39	-0.57815
0.46	-0.11981	0.46	-0.51798
0.53	-0.13774	0.53	-0.46053
0.60	-0.11577	0.60	-0.39813
0.67	-0.09527	0.67	-0.34528
0.74	-0.06244	0.74	-0.30715
0.81	-0.03762	0.81	-0.25951
0.88	-0.04086	0.88	-0.20314
0.95	-0.06639	0.95	-0.16609

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
42	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.7792	5.10	-0.01	28.69 599.2	100.81 2105.5	67.50 1409.8	12.22 3.73	320.29 116.85

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.06704	0.05	0.17073
0.06	-1.29192	0.10	0.04285
0.11	-1.32289	0.20	-0.10730
0.17	-1.32858	0.35	-0.25474
0.23	-1.28127	0.50	-0.37688
0.29	-1.20232	0.65	-0.05126
0.35	-0.78455	0.80	0.22498
0.41	-0.69174	0.95	0.27581
0.47	-0.65082		
0.53	-0.59188		
0.57	-0.54910		
0.65	-0.45638		
0.71	-0.38921		
0.77	-0.32496		
0.83	-0.26798		
0.89	-0.21050		
0.95	-0.18255		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.69818	0.02	-1.10450
0.06	0.48614	0.06	-1.07380
0.11	0.34284	0.11	-1.00091
0.18	0.21306	0.18	-0.87670
0.25	0.08907	0.25	-0.71026
0.32	-0.02057	0.32	-0.61551
0.39	0.32919	0.39	-0.43668
0.46	-0.11031	0.46	-0.32750
0.53	-0.12023	0.53	-0.23058
0.60	-0.08601	0.60	-0.14186
0.67	-0.05821	0.67	-0.09827
0.74	-0.02429	0.74	-0.05356
0.81	0.01009	0.81	-0.00062
0.88	0.03835	0.88	0.04396
0.95	0.05755	0.95	0.07812

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
42	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.7792	7.30	0.00	28.69 599.2	100.81 2105.5	67.50 1409.8	12.19 3.72	320.96 118.06

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.25314	0.05	0.29124
0.06	-1.36149	0.10	0.14746
0.11	-1.32743	0.20	-0.02061
0.17	-1.29050	0.35	-0.19193
0.23	-1.00908	0.50	-0.35553
0.29	-0.81117	0.65	-0.06986
0.35	-0.71878	0.80	0.20962
0.41	-0.67549	0.95	0.25246
0.47	-0.62945		
0.53	-0.60555		
0.57	-0.57327		
0.65	-0.52345		
0.71	-0.48253		
0.77	-0.45410		
0.83	-0.43911		
0.89	-0.42043		
0.95	-0.36326		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.46034	0.02	-0.90507
0.06	0.32729	0.06	-0.65644
0.11	0.23378	0.11	-0.55537
0.18	0.15169	0.18	-0.44681
0.25	0.06234	0.25	-0.33376
0.32	-0.00509	0.32	-0.27767
0.39	0.32082	0.39	-0.23087
0.46	-0.07381	0.46	-0.18903
0.53	-0.07591	0.53	-0.14138
0.60	-0.05111	0.60	-0.09547
0.67	-0.02967	0.67	-0.04895
0.74	0.00143	0.74	-0.00742
0.81	0.03518	0.81	0.02767
0.88	0.05999	0.88	0.05882
0.95	0.08275	0.95	0.09190

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
42	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.7808	9.19	-0.01	28.76 600.6	100.81 2105.5	67.40 1407.6	12.19 3.72	321.17 118.43

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.89416	0.05	0.39619
0.06	-0.82965	0.10	0.22570
0.11	-0.73094	0.20	0.04677
0.17	-0.74529	0.35	-0.14354
0.23	-0.72693	0.50	-0.33479
0.29	-0.62486	0.65	-0.07975
0.35	-0.65676	0.80	0.19082
0.41	-0.61215	0.95	0.22125
0.47	-0.62486		
0.53	-0.62647		
0.57	-0.60566		
0.65	-0.57950		
0.71	-0.58570		
0.77	-0.57574		
0.83	-0.56321		
0.89	-0.54773		
0.95	-0.52056		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.03512	0.02	-0.40212
0.06	0.07158	0.06	-0.34804
0.11	0.05359	0.11	-0.34895
0.18	0.03559	0.18	-0.23694
0.25	0.01424	0.25	-0.19592
0.32	-0.01977	0.32	-0.15982
0.39	0.30352	0.39	-0.16984
0.46	-0.03314	0.46	-0.13192
0.53	-0.03024	0.53	-0.10748
0.60	-0.00443	0.60	-0.06897
0.67	0.01050	0.67	-0.03244
0.74	0.02385	0.74	0.00629
0.81	0.05481	0.81	0.02668
0.88	0.06058	0.88	0.05169
0.95	0.07326	0.95	0.07701

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
42	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.7795	11.29	0.01	28.71 599.7	100.85 2106.2	67.50 1409.8	12.20 3.72	320.96 118.06

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.65865	0.05	0.46747
0.06	-0.68594	0.10	0.29157
0.11	-0.64478	0.20	0.09834
0.17	-0.63213	0.35	-0.09306
0.23	-0.88614	0.50	-0.30256
0.29	-0.68239	0.65	-0.08348
0.35	-0.58422	0.80	0.17787
0.41	-0.59289	0.95	0.20030
0.47	-0.63619		
0.53	-0.59306		
0.57	-0.60285		
0.65	-0.61854		
0.71	-0.60050		
0.77	-0.58595		
0.83	-0.58858		
0.89	-0.56259		
0.95	-0.54406		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.02951	0.02	0.15162
0.06	-0.02700	0.06	0.11866
0.11	-0.03176	0.11	0.05632
0.18	-0.01322	0.18	0.01636
0.25	-0.01288	0.25	-0.03418
0.32	-0.04059	0.32	-0.06752
0.39	0.28596	0.39	-0.10579
0.46	-0.01728	0.46	-0.09991
0.53	-0.01412	0.53	-0.08842
0.60	0.00934	0.60	-0.06439
0.67	0.01751	0.67	-0.03464
0.74	0.04230	0.74	-0.00274
0.81	0.05427	0.81	0.02081
0.88	0.07124	0.88	0.03153
0.95	0.08881	0.95	0.05094

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
42	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.7790	13.50	0.01	28.69 599.2	100.85 2106.2	67.54 1410.5	12.18 3.71	321.28 118.63

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.46675	0.05	0.60576
0.06	-1.36028	0.10	0.42282
0.11	-1.36994	0.20	0.22977
0.17	-1.35569	0.35	0.01590
0.23	-1.34453	0.50	-0.19833
0.29	-0.97178	0.65	-0.02770
0.35	-0.47399	0.80	0.20706
0.41	-0.47768	0.95	0.22838
0.47	-0.51736		
0.53	-0.56246		
0.57	-0.56453		
0.65	-0.58755		
0.71	-0.56665		
0.77	-0.57518		
0.83	-0.60452		
0.89	-0.59157		
0.95	-0.61594		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.47469	0.02	0.43922
0.06	-0.32113	0.06	0.27091
0.11	-0.25145	0.11	0.12025
0.18	-0.18087	0.18	-0.02534
0.25	-0.12636	0.25	-0.10158
0.32	-0.12267	0.32	-0.15243
0.39	0.26352	0.39	-0.18110
0.46	-0.08699	0.46	-0.17847
0.53	-0.05132	0.53	-0.16893
0.60	-0.03908	0.60	-0.12383
0.67	-0.02145	0.67	-0.07054
0.74	-0.02668	0.74	-0.02668
0.81	0.00213	0.81	0.00632
0.88	0.06100	0.88	0.03249
0.95	0.11019	0.95	0.07065

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
42	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.7801	15.59	-0.15	28.74 600.2	100.85 2106.2	67.47 1409.1	12.18 3.71	321.54 119.10

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.49954	0.05	0.68568
0.06	-0.50759	0.10	0.50906
0.11	-0.50847	0.20	0.30702
0.17	-0.51139	0.35	0.08455
0.23	-0.50112	0.50	-0.13539
0.29	-0.50823	0.65	0.00086
0.35	-0.59970	0.80	0.21831
0.41	-0.54157	0.95	0.22823
0.47	-0.52818		
0.53	-0.54649		
0.57	-0.56699		
0.65	-0.56297		
0.71	-0.56717		
0.77	-0.57092		
0.83	-0.56598		
0.89	-0.56461		
0.95	-0.56052		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.34547	0.02	0.38794
0.06	-0.28156	0.06	0.23284
0.11	-0.22113	0.11	0.13077
0.18	-0.20511	0.18	0.01032
0.25	-0.19074	0.25	-0.06663
0.32	-0.17799	0.32	-0.11885
0.39	0.24226	0.39	-0.14352
0.46	-0.15237	0.46	-0.14844
0.53	-0.12952	0.53	-0.14784
0.60	-0.11447	0.60	-0.12842
0.67	-0.11285	0.67	-0.08650
0.74	-0.09543	0.74	-0.04557
0.81	-0.06800	0.81	-0.02105
0.88	-0.07125	0.88	-0.00816
0.95	-0.06018	0.95	0.00708

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
42	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.7797	17.70	-0.21	28.71 599.7	100.81 2105.5	67.47 1409.1	12.15 3.70	321.86 119.67

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.50009	0.05	0.75015
0.06	-0.49578	0.10	0.58616
0.11	-0.49591	0.20	0.38412
0.17	-0.49592	0.35	0.16064
0.23	-0.49855	0.50	-0.06256
0.29	-0.50263	0.65	0.04336
0.35	-0.49638	0.80	0.24082
0.41	-0.50778	0.95	0.23671
0.47	-0.51907		
0.53	-0.51633		
0.57	-0.53063		
0.65	-0.53991		
0.71	-0.55508		
0.77	-0.54286		
0.83	-0.52532		
0.89	-0.53420		
0.95	-0.54055		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.31543	0.02	0.44377
0.06	-0.29248	0.06	0.34475
0.11	-0.26898	0.11	0.22614
0.18	-0.23887	0.18	0.11043
0.25	-0.22579	0.25	0.02147
0.32	-0.23494	0.32	-0.04575
0.39	0.22131	0.39	-0.09852
0.46	-0.22071	0.46	-0.12933
0.53	-0.21201	0.53	-0.15134
0.60	-0.18575	0.60	-0.14770
0.67	-0.18886	0.67	-0.12494
0.74	-0.18307	0.74	-0.09994
0.81	-0.15767	0.81	-0.08924
0.88	-0.14594	0.88	-0.10602
0.95	-0.12819	0.95	-0.13328

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
42	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.7801	19.74	-0.02	28.74 600.2	100.85 2106.2	67.47 1409.1	12.16 3.70	321.93 119.81

WING

UPPER SURFACE

X/C	CP
0.02	-0.49365
0.06	-0.50460
0.11	-0.49669
0.17	-0.51722
0.23	-0.49578
0.29	-0.50484
0.35	-0.53401
0.41	-0.53986
0.47	-0.55886
0.53	-0.53541
0.57	-0.53545
0.65	-0.52649
0.71	-0.55268
0.77	-0.54961
0.83	-0.55467
0.89	-0.56107
0.95	-0.55494

LOWER SURFACE

X/C	CP
0.05	0.78778
0.10	0.63396
0.20	0.42872
0.35	0.21021
0.50	-0.00771
0.65	0.07958
0.80	0.25897
0.95	0.24876

HORIZ. TAIL

UPPER SURFACE

X/C	CP
0.02	-0.35998
0.06	-0.31992
0.11	-0.30691
0.18	-0.28673
0.25	-0.27676
0.32	-0.25917
0.39	0.18820
0.46	-0.23709
0.53	-0.22937
0.60	-0.22444
0.67	-0.21737
0.74	-0.21330
0.81	-0.21674
0.88	-0.19533
0.95	-0.19514

LOWER SURFACE

X/C	CP
0.02	0.48115
0.06	0.37111
0.11	0.26084
0.18	0.11496
0.25	0.01635
0.32	-0.05589
0.39	-0.11409
0.46	-0.14498
0.53	-0.18303
0.60	-0.17172
0.67	-0.16656
0.74	-0.13040
0.81	-0.15095
0.88	-0.16679
0.95	-0.18722

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
42	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.7828	21.93	-0.03	28.85 602.6	100.81 2105.5	67.26 1404.8	12.19 3.71	321.73 119.44

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.51348	0.05	0.83508
0.06	-0.50394	0.10	0.69906
0.11	-0.50613	0.20	0.50316
0.17	-0.53014	0.35	0.28924
0.23	-0.50946	0.50	0.06219
0.29	-0.51122	0.65	0.12645
0.35	-0.52458	0.80	0.28551
0.41	-0.50164	0.95	0.26944
0.47	-0.50775		
0.53	-0.52505		
0.57	-0.51430		
0.65	-0.52994		
0.71	-0.54148		
0.77	-0.53894		
0.83	-0.54935		
0.89	-0.53454		
0.95	-0.54078		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.45562	0.02	0.49810
0.06	-0.43763	0.06	0.37558
0.11	-0.44372	0.11	0.25527
0.18	-0.41327	0.18	0.12017
0.25	-0.41967	0.25	0.01769
0.32	-0.37762	0.32	-0.04986
0.39	0.15813	0.39	-0.11149
0.46	-0.33010	0.46	-0.14843
0.53	-0.30689	0.53	-0.18739
0.60	-0.28691	0.60	-0.19966
0.67	-0.26839	0.67	-0.18020
0.74	-0.25904	0.74	-0.15503
0.81	-0.26169	0.81	-0.16958
0.88	-0.24398	0.88	-0.18964
0.95	-0.22669	0.95	-0.22437

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
42	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.7811	-1.94	0.00	28.79 601.2	100.85 2106.2	67.40 1407.6	12.17 3.71	321.95 119.84

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.03897	0.05	-0.78031
0.06	-0.22191	0.10	-0.89823
0.11	-0.30239	0.20	-0.68049
0.17	-0.38625	0.35	-0.67717
0.23	-0.43098	0.50	-0.45130
0.29	-0.40947	0.65	-0.04957
0.35	-0.44061	0.80	0.14933
0.41	-0.44207	0.95	0.28539
0.47	-0.47112		
0.53	-0.51866		
0.57	-0.51970		
0.65	-0.45722		
0.71	-0.37046		
0.77	-0.26834		
0.83	-0.16031		
0.89	-0.03734		
0.95	0.08489		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.73766	0.02	-0.73656
0.06	0.54214	0.06	-0.75557
0.11	0.40784	0.11	-0.75458
0.18	0.27393	0.18	-0.72285
0.25	0.15042	0.25	-0.68164
0.32	0.03874	0.32	-0.63893
0.39	0.17670	0.39	-0.57859
0.46	-0.07867	0.46	-0.54026
0.53	-0.10747	0.53	-0.49245
0.60	-0.09588	0.60	-0.43922
0.67	-0.09023	0.67	-0.39610
0.74	-0.07062	0.74	-0.35941
0.81	-0.04826	0.81	-0.32353
0.88	-0.06343	0.88	-0.27597
0.95	-0.11002	0.95	-0.23448

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
43	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8474	-6.42	-0.01	31.67 661.5	100.78 2104.8	63.01 1315.9	12.57 3.83	323.44 122.53

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.45328	0.05	-1.14422
0.06	0.17086	0.10	-1.14108
0.11	0.05757	0.20	-1.02596
0.17	-0.07879	0.35	-0.51347
0.23	-0.16195	0.50	-0.43535
0.29	-0.19778	0.65	-0.38985
0.35	-0.24649	0.80	-0.33598
0.41	-0.28980	0.95	-0.27020
0.47	-0.35013		
0.53	-0.44128		
0.57	-0.49412		
0.65	-0.56757		
0.71	-0.64857		
0.77	-0.71444		
0.83	-0.76556		
0.89	-0.77985		
0.95	-0.39807		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.79970	0.02	-0.68605
0.06	0.66896	0.06	-0.61965
0.11	0.54233	0.11	-0.59039
0.18	0.41003	0.18	-0.57722
0.25	0.28651	0.25	-0.55731
0.32	0.16435	0.32	-0.53967
0.39	0.30990	0.39	-0.52767
0.46	0.00719	0.46	-0.52044
0.53	-0.04142	0.53	-0.51220
0.60	-0.05126	0.60	-0.49591
0.67	-0.06253	0.67	-0.47874
0.74	-0.06213	0.74	-0.46762
0.81	-0.07011	0.81	-0.44869
0.88	-0.10760	0.88	-0.41492
0.95	-0.19461	0.95	-0.38458

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
43	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
2	0.8517	-4.14	-0.02	31.86 665.5	100.81 2105.5	62.74 1310.4	12.57 3.83	324.03 123.58

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.24144	0.05	-0.94344
0.06	-0.03253	0.10	-0.96527
0.11	-0.12767	0.20	-0.89624
0.17	-0.22967	0.35	-0.90557
0.23	-0.30048	0.50	-0.37268
0.29	-0.31848	0.65	-0.29381
0.35	-0.35255	0.80	-0.21554
0.41	-0.38911	0.95	-0.07681
0.47	-0.43983		
0.53	-0.49724		
0.57	-0.56010		
0.65	-0.62981		
0.71	-0.71364		
0.77	-0.76779		
0.83	-0.43941		
0.89	-0.19424		
0.95	-0.13116		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.74971	0.02	-0.66436
0.06	0.57615	0.06	-0.66958
0.11	0.45060	0.11	-0.66643
0.18	0.32563	0.18	-0.64423
0.25	0.20426	0.25	-0.62120
0.32	0.08666	0.32	-0.59424
0.39	0.31065	0.39	-0.55679
0.46	-0.05317	0.46	-0.52548
0.53	-0.08896	0.53	-0.49737
0.60	-0.09023	0.60	-0.46851
0.67	-0.08904	0.67	-0.44082
0.74	-0.07536	0.74	-0.40426
0.81	-0.06213	0.81	-0.37771
0.88	-0.08591	0.88	-0.33322
0.95	-0.15277	0.95	-0.29819

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
43	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.8502	-1.92	-0.01	31.80 664.1	100.81 2105.5	62.84 1312.5	12.56 3.83	323.97 123.48

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.01561	0.05	-0.64486
0.06	-0.23209	0.10	-0.72091
0.11	-0.30131	0.20	-0.68773
0.17	-0.42071	0.35	-0.57384
0.23	-0.50003	0.50	-0.42598
0.29	-0.52888	0.65	-0.20360
0.35	-0.53300	0.80	-0.16179
0.41	-0.52370	0.95	-0.04784
0.47	-0.54632		
0.53	-0.60588		
0.57	-0.66574		
0.65	-0.70895		
0.71	-0.74787		
0.77	-0.26330		
0.83	-0.14288		
0.89	-0.04742		
0.95	0.01686		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.75431	0.02	-0.65686
0.06	0.55582	0.06	-0.65945
0.11	0.42171	0.11	-0.65327
0.18	0.28629	0.18	-0.63306
0.25	0.15662	0.25	-0.60708
0.32	0.03484	0.32	-0.58015
0.39	0.31512	0.39	-0.54311
0.46	-0.09843	0.46	-0.51113
0.53	-0.13637	0.53	-0.47361
0.60	-0.12410	0.60	-0.44915
0.67	-0.11373	0.67	-0.41958
0.74	-0.09161	0.74	-0.38536
0.81	-0.07944	0.81	-0.35267
0.88	-0.09697	0.88	-0.31463
0.95	-0.15129	0.95	-0.26874

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
43	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
4	0.8492	0.30	-0.01	31.76 663.3	100.81 2105.5	62.91 1313.9	12.52 3.82	324.70 124.79

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.30861	0.05	-0.34613
0.06	-0.51818	0.10	-0.38751
0.11	-0.62515	0.20	-0.46214
0.17	-0.59912	0.35	-0.51565
0.23	-0.67730	0.50	-0.82296
0.29	-0.70454	0.65	-0.17686
0.35	-0.68604	0.80	-0.08880
0.41	-0.71109	0.95	0.09276
0.47	-0.76014		
0.53	-0.81896		
0.57	-0.87357		
0.65	-0.46195		
0.71	-0.25860		
0.77	-0.18085		
0.83	-0.11723		
0.89	-0.06556		
0.95	-0.00158		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.72451	0.02	-0.72191
0.06	0.51400	0.06	-0.71550
0.11	0.37754	0.11	-0.68306
0.18	0.24263	0.18	-0.65777
0.25	0.11209	0.25	-0.60803
0.32	-0.01278	0.32	-0.56872
0.39	0.30802	0.39	-0.53118
0.46	-0.13992	0.46	-0.49635
0.53	-0.17135	0.53	-0.45690
0.60	-0.14805	0.60	-0.42401
0.67	-0.12774	0.67	-0.38804
0.74	-0.09891	0.74	-0.35961
0.81	-0.06451	0.81	-0.32274
0.88	-0.07778	0.88	-0.27972
0.95	-0.12081	0.95	-0.23810

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
43	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
5	0.8492	2.75	-0.01	31.76 663.3	100.81 2105.5	62.91 1313.9	12.49 3.81	325.33 125.93

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.58458	0.05	-0.08347
0.06	-0.84484	0.10	-0.16494
0.11	-0.89604	0.20	-0.27778
0.17	-0.90236	0.35	-0.41744
0.23	-0.95448	0.50	-0.75252
0.29	-0.97329	0.65	-0.16583
0.35	-0.97770	0.80	-0.00517
0.41	-0.94716	0.95	0.15607
0.47	-0.60678		
0.53	-0.43116		
0.57	-0.40081		
0.65	-0.37798		
0.71	-0.35561		
0.77	-0.33072		
0.83	-0.28855		
0.89	-0.22976		
0.95	-0.18424		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.70113	0.02	-0.64645
0.06	0.48430	0.06	-0.64250
0.11	0.34382	0.11	-0.60888
0.18	0.21282	0.18	-0.57784
0.25	0.07860	0.25	-0.54729
0.32	-0.03792	0.32	-0.51946
0.39	0.30261	0.39	-0.49577
0.46	-0.16583	0.46	-0.44748
0.53	-0.18590	0.53	-0.40904
0.60	-0.15441	0.60	-0.37623
0.67	-0.12524	0.67	-0.34285
0.74	-0.08704	0.74	-0.27470
0.81	-0.05992	0.81	-0.24491
0.88	-0.05577	0.88	-0.20852
0.95	-0.06017	0.95	-0.14644

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
43	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
6	0.8502	4.92	-0.01	31.80 664.1	100.81 2105.5	62.84 1312.5	12.49 3.81	325.41 126.07

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.74789	0.05	0.10306
0.06	-1.00513	0.10	-0.01681
0.11	-1.04611	0.20	-0.15867
0.17	-1.05497	0.35	-0.32125
0.23	-0.99927	0.50	-0.67744
0.29	-0.72712	0.65	-0.13232
0.35	-0.56849	0.80	0.09905
0.41	-0.52888	0.95	0.20925
0.47	-0.51034		
0.53	-0.49550		
0.57	-0.48579		
0.65	-0.44465		
0.71	-0.43241		
0.77	-0.43099		
0.83	-0.39407		
0.89	-0.36216		
0.95	-0.34126		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	0.56478	0.02	-1.06170
0.06	0.41944	0.06	-0.91477
0.11	0.31389	0.11	-0.80582
0.18	0.20142	0.18	-0.58363
0.25	0.08949	0.25	-0.47931
0.32	-0.01234	0.32	-0.38169
0.39	0.30046	0.39	-0.28034
0.46	-0.10303	0.46	-0.21242
0.53	-0.11538	0.53	-0.15567
0.60	-0.08768	0.60	-0.10220
0.67	-0.06099	0.67	-0.04531
0.74	-0.02094	0.74	-0.00394
0.81	0.01752	0.81	0.02831
0.88	0.04136	0.88	0.05846
0.95	0.07095	0.95	0.09884

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
43	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
7	0.8492	7.27	0.00	31.76 663.3	100.81 2105.5	62.91 1313.9	12.49 3.81	325.37 126.00

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.95532	0.05	0.25788
0.06	-1.13478	0.10	0.12286
0.11	-1.18735	0.20	-0.03922
0.17	-1.15759	0.35	-0.22936
0.23	-0.93924	0.50	-0.59854
0.29	-0.68978	0.65	-0.08758
0.35	-0.63264	0.80	0.18074
0.41	-0.59694	0.95	0.24210
0.47	-0.55856		
0.53	-0.53729		
0.57	-0.53455		
0.65	-0.52938		
0.71	-0.53055		
0.77	-0.52116		
0.83	-0.50985		
0.89	-0.49730		
0.95	-0.47259		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.32512	0.02	-0.51877
0.06	0.26312	0.06	-0.40601
0.11	0.19701	0.11	-0.33056
0.18	0.12773	0.18	-0.27902
0.25	0.06196	0.25	-0.23853
0.32	0.00305	0.32	-0.21488
0.39	0.29124	0.39	-0.17757
0.46	-0.04236	0.46	-0.14285
0.53	-0.04524	0.53	-0.10675
0.60	-0.03001	0.60	-0.06622
0.67	-0.01075	0.67	-0.02247
0.74	0.01991	0.74	0.01294
0.81	0.04577	0.81	0.04535
0.88	0.07105	0.88	0.07105
0.95	0.10085	0.95	0.09959

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
43	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
8	0.8502	9.45	-0.02	31.80 664.1	100.81 2105.5	62.84 1312.5	12.47 3.80	325.93 127.01

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-1.12359	0.05	0.39935
0.06	-1.25855	0.10	0.22645
0.11	-1.15386	0.20	0.04492
0.17	-0.98283	0.35	-0.15928
0.23	-0.50551	0.50	-0.50795
0.29	-0.49689	0.65	-0.08097
0.35	-0.51237	0.80	0.20630
0.41	-0.51032	0.95	0.25418
0.47	-0.51451		
0.53	-0.53761		
0.57	-0.54171		
0.65	-0.56865		
0.71	-0.56854		
0.77	-0.57247		
0.83	-0.57012		
0.89	-0.58054		
0.95	-0.55740		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.08735	0.02	-0.05684
0.06	-0.00900	0.06	-0.08537
0.11	-0.03632	0.11	-0.08458
0.18	0.07190	0.18	-0.11891
0.25	0.00189	0.25	-0.11550
0.32	0.02740	0.32	-0.14648
0.39	0.28361	0.39	-0.11008
0.46	-0.00711	0.46	-0.09164
0.53	-0.01135	0.53	-0.07828
0.60	0.00522	0.60	-0.05222
0.67	0.02000	0.67	-0.01841
0.74	0.04007	0.74	0.01240
0.81	0.04142	0.81	0.04353
0.88	0.06055	0.88	0.06139
0.95	0.07703	0.95	0.07936

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
43	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
9	0.8477	11.42	0.03	31.70 662.0	100.81 2105.5	63.01 1315.9	12.44 3.79	326.16 127.41

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.52722	0.05	0.48897
0.06	-0.54907	0.10	0.31895
0.11	-0.54030	0.20	0.13236
0.17	-0.49274	0.35	-0.08884
0.23	-0.49019	0.50	-0.37618
0.29	-0.50781	0.65	-0.05951
0.35	-0.51939	0.80	0.21885
0.41	-0.52888	0.95	0.26659
0.47	-0.54220		
0.53	-0.54097		
0.57	-0.54571		
0.65	-0.57237		
0.71	-0.58497		
0.77	-0.57578		
0.83	-0.57785		
0.89	-0.57376		
0.95	-0.54613		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.20166	0.02	0.14420
0.06	-0.12428	0.06	0.12981
0.11	-0.08230	0.11	0.07317
0.18	-0.04533	0.18	0.00693
0.25	-0.05741	0.25	-0.02944
0.32	-0.05003	0.32	-0.06100
0.39	0.25914	0.39	-0.08615
0.46	-0.04038	0.46	-0.09211
0.53	-0.01754	0.53	-0.08505
0.60	-0.00704	0.60	-0.06267
0.67	0.00336	0.67	-0.03260
0.74	0.02369	0.74	-0.00699
0.81	0.03629	0.81	0.01266
0.88	0.03982	0.88	0.02135
0.95	0.04111	0.95	0.03898

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
43	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
10	0.8515	13.65	0.14	31.86 665.5	100.85 2106.2	62.78 1311.1	12.49 3.81	325.69 126.57

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-1.31575	0.05	0.59029
0.06	-1.26963	0.10	0.42186
0.11	-1.22959	0.20	0.22957
0.17	-1.19628	0.35	0.01461
0.23	-1.17376	0.50	-0.23799
0.29	-1.16979	0.65	-0.01671
0.35	-0.92401	0.80	0.24362
0.41	-0.52959	0.95	0.28351
0.47	-0.49878		
0.53	-0.51403		
0.57	-0.52042		
0.65	-0.54206		
0.71	-0.53331		
0.77	-0.54897		
0.83	-0.57322		
0.89	-0.59368		
0.95	-0.60670		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.44402	0.02	0.29596
0.06	-0.31764	0.06	0.23020
0.11	-0.25726	0.11	0.17058
0.18	-0.17951	0.18	0.07494
0.25	-0.17468	0.25	0.01713
0.32	-0.14790	0.32	-0.03792
0.39	0.23543	0.39	-0.07890
0.46	-0.11091	0.46	-0.09549
0.53	-0.10148	0.53	-0.10629
0.60	-0.08309	0.60	-0.09776
0.67	-0.07569	0.67	-0.06819
0.74	-0.05757	0.74	-0.05193
0.81	-0.01099	0.81	-0.02860
0.88	-0.00379	0.88	-0.03297
0.95	0.01019	0.95	-0.02370

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
43	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
11	0.8487	15.71	0.06	31.74 662.8	100.81 2105.5	62.94 1314.5	12.44 3.79	326.36 127.78

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.46220	0.05	0.68150
0.06	-0.46389	0.10	0.51163
0.11	-0.45616	0.20	0.31792
0.17	-0.47314	0.35	0.09982
0.23	-0.48355	0.50	-0.13749
0.29	-0.47610	0.65	0.02924
0.35	-0.47251	0.80	0.26927
0.41	-0.46075	0.95	0.29820
0.47	-0.47001		
0.53	-0.48366		
0.57	-0.48230		
0.65	-0.47001		
0.71	-0.50744		
0.77	-0.49632		
0.83	-0.49415		
0.89	-0.49419		
0.95	-0.52435		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.31447	0.02	0.31768
0.06	-0.26742	0.06	0.24126
0.11	-0.23892	0.11	0.16997
0.18	-0.22230	0.18	0.05428
0.25	-0.22432	0.25	-0.01634
0.32	-0.21457	0.32	-0.07184
0.39	0.21012	0.39	-0.13581
0.46	-0.20298	0.46	-0.15527
0.53	-0.19946	0.53	-0.17511
0.60	-0.20210	0.60	-0.14865
0.67	-0.19084	0.67	-0.12263
0.74	-0.17784	0.74	-0.10479
0.81	-0.19095	0.81	-0.09183
0.88	-0.16531	0.88	-0.10840
0.95	-0.14089	0.95	-0.11340

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
43	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
12	0.8472	17.91	0.18	31.67 661.5	100.81 2105.5	63.04 1316.6	12.43 3.79	326.27 127.62

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.47975	0.05	0.75387
0.06	-0.48060	0.10	0.59791
0.11	-0.48169	0.20	0.40153
0.17	-0.48017	0.35	0.18154
0.23	-0.47871	0.50	-0.04758
0.29	-0.48233	0.65	0.08556
0.35	-0.48758	0.80	0.29443
0.41	-0.48523	0.95	0.30958
0.47	-0.50218		
0.53	-0.50578		
0.57	-0.49764		
0.65	-0.49880		
0.71	-0.49880		
0.77	-0.50711		
0.83	-0.51781		
0.89	-0.50769		
0.95	-0.52605		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.31065	0.02	0.41201
0.06	-0.28032	0.06	0.29536
0.11	-0.26141	0.11	0.19174
0.18	-0.25287	0.18	0.05489
0.25	-0.23761	0.25	-0.02155
0.32	-0.23268	0.32	-0.11335
0.39	0.17734	0.39	-0.18134
0.46	-0.23866	0.46	-0.19890
0.53	-0.23648	0.53	-0.21283
0.60	-0.23001	0.60	-0.23065
0.67	-0.23067	0.67	-0.18859
0.74	-0.22740	0.74	-0.16277
0.81	-0.22028	0.81	-0.16483
0.88	-0.21699	0.88	-0.18249
0.95	-0.20353	0.95	-0.20206

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
43	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
13	0.8497	20.11	0.18	31.78 663.7	100.81 2105.5	62.88 1313.2	12.43 3.79	326.68 128.36

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.52565	0.05	0.82510
0.06	-0.53170	0.10	0.67154
0.11	-0.52555	0.20	0.48548
0.17	-0.49727	0.35	0.26772
0.23	-0.51226	0.50	0.04547
0.29	-0.53289	0.65	0.14052
0.35	-0.50147	0.80	0.32493
0.41	-0.49637	0.95	0.32941
0.47	-0.51967		
0.53	-0.52797		
0.57	-0.51832		
0.65	-0.51128		
0.71	-0.51577		
0.77	-0.52961		
0.83	-0.53226		
0.89	-0.50126		
0.95	-0.51121		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.50715	0.02	0.39204
0.06	-0.47296	0.06	0.29580
0.11	-0.43347	0.11	0.19699
0.18	-0.30571	0.18	0.06896
0.25	-0.34398	0.25	-0.00743
0.32	-0.31727	0.32	-0.09831
0.39	0.16607	0.39	-0.15893
0.46	-0.27521	0.46	-0.22462
0.53	-0.27029	0.53	-0.23673
0.60	-0.24998	0.60	-0.26176
0.67	-0.25034	0.67	-0.24783
0.74	-0.24366	0.74	-0.21975
0.81	-0.24662	0.81	-0.19216
0.88	-0.24156	0.88	-0.20874
0.95	-0.22268	0.95	-0.22604

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
43	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
14	0.8497	22.26	-0.21	31.78 663.7	100.81 2105.5	62.88 1313.2	12.41 3.78	326.91 128.76

WING

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.47122	0.05	0.87332
0.06	-0.47893	0.10	0.74021
0.11	-0.47133	0.20	0.55252
0.17	-0.46074	0.35	0.33499
0.23	-0.46580	0.50	0.12004
0.29	-0.45878	0.65	0.19626
0.35	-0.54921	0.80	0.35436
0.41	-0.57062	0.95	0.34891
0.47	-0.59494		
0.53	-0.49030		
0.57	-0.49018		
0.65	-0.48911		
0.71	-0.56849		
0.77	-0.53498		
0.83	-0.55813		
0.89	-0.49784		
0.95	-0.48018		

HORIZ. TAIL

UPPER SURFACE X/C	UPPER SURFACE CP	LOWER SURFACE X/C	LOWER SURFACE CP
0.02	-0.50350	0.02	0.44236
0.06	-0.49748	0.06	0.32097
0.11	-0.47928	0.11	0.19898
0.18	-0.37981	0.18	0.07321
0.25	-0.46060	0.25	-0.02530
0.32	-0.41570	0.32	-0.09926
0.39	0.13965	0.39	-0.15172
0.46	-0.39350	0.46	-0.21034
0.53	-0.35442	0.53	-0.26009
0.60	-0.32090	0.60	-0.29407
0.67	-0.30702	0.67	-0.26764
0.74	-0.29272	0.74	-0.23081
0.81	-0.28359	0.81	-0.17897
0.88	-0.27764	0.88	-0.20701
0.95	-0.26553	0.95	-0.26344

TABLE 3.3 (CONTINUED)

NASA/ARC TEST 441-14 STATIC PRESSURE DATA

RUN	CONFIG	DHORZ(deg)
43	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
15	0.8487	-1.92	0.00	31.74 662.8	100.81 2105.5	62.94 1314.5	12.45 3.79	326.10 127.31

WING

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	-0.04198	0.05	-0.63869
0.06	-0.25292	0.10	-0.71723
0.11	-0.30621	0.20	-0.69161
0.17	-0.41026	0.35	-0.58493
0.23	-0.50264	0.50	-0.36480
0.29	-0.50671	0.65	-0.19575
0.35	-0.49821	0.80	-0.15884
0.41	-0.52933	0.95	-0.03246
0.47	-0.54930		
0.53	-0.60476		
0.57	-0.66092		
0.65	-0.70089		
0.71	-0.74979		
0.77	-0.27100		
0.83	-0.12616		
0.89	-0.05699		
0.95	0.01130		

HORIZ. TAIL

UPPER SURFACE		LOWER SURFACE	
X/C	CP	X/C	CP
0.02	0.75817	0.02	-0.66078
0.06	0.56142	0.06	-0.66071
0.11	0.42345	0.11	-0.65767
0.18	0.29103	0.18	-0.63562
0.25	0.16108	0.25	-0.60521
0.32	0.03443	0.32	-0.57734
0.39	0.14766	0.39	-0.53457
0.46	-0.09948	0.46	-0.50053
0.53	-0.13333	0.53	-0.47319
0.60	-0.12062	0.60	-0.44303
0.67	-0.11461	0.67	-0.41919
0.74	-0.09137	0.74	-0.39075
0.81	-0.08299	0.81	-0.35825
0.88	-0.10158	0.88	-0.31850
0.95	-0.15589	0.95	-0.27543

TABLE 3.4

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
44	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.6000	-6.46	0.00	19.90	100.74	78.99	11.16	303.07
				415.7	2104.1	1649.7	3.40	85.85
20	0.5998	-4.13	-0.01	19.90	100.78	79.02	11.14	303.64
				415.7	2104.8	1650.4	3.39	86.89
21	0.5994	-1.99	-0.01	19.88	100.74	79.02	11.11	304.06
				415.1	2104.1	1650.4	3.38	87.63
22	0.6004	0.11	-0.01	19.93	100.78	78.99	11.12	304.21
				416.3	2104.8	1649.7	3.39	87.90
23	0.6009	2.64	-0.01	19.96	100.78	78.95	11.11	304.56
				416.8	2104.8	1648.9	3.38	88.54
24	0.6009	4.69	-0.01	19.96	100.78	78.95	11.10	304.66
				416.8	2104.8	1648.9	3.38	88.71
25	0.5997	6.95	-0.01	19.90	100.81	79.06	11.08	304.94
				415.7	2105.5	1651.1	3.38	89.22
26	0.6000	8.84	-0.01	19.90	100.74	78.99	11.06	305.24
				415.7	2104.1	1649.7	3.37	89.76
27	0.5993	10.87	0.01	19.88	100.78	79.06	11.04	305.46
				415.1	2104.8	1651.1	3.37	90.16
28	0.5993	12.82	0.05	19.88	100.78	79.06	11.03	305.78
				415.1	2104.8	1651.1	3.36	90.73
29	0.6005	14.91	0.08	19.93	100.74	78.95	11.03	306.06
				416.3	2104.1	1649.0	3.36	91.24
30	0.6021	17.03	0.10	20.01	100.78	78.88	11.04	306.30
				418.0	2104.8	1647.5	3.37	91.67
31	0.5993	19.06	0.14	19.88	100.78	79.06	11.00	306.45
				415.1	2104.8	1651.1	3.35	91.94
32	0.6000	21.28	0.05	19.90	100.74	78.99	11.01	306.30
				415.7	2104.1	1649.7	3.36	91.67
33	0.6004	-1.97	-0.01	19.93	100.78	78.99	11.01	306.56
				416.3	2104.8	1649.7	3.36	92.14

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 44 CONFIG 7 DHORZ(deg) -10.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
19	-0.56878	0.09375	0.21645	0.00682	-0.00200	-0.00030
20	-0.34804	0.06691	0.20421	0.00465	-0.00096	0.00020
21	-0.15434	0.05428	0.20272	0.00579	-0.00161	0.00004
22	0.04500	0.04860	0.20654	0.00432	-0.00050	-0.00003
23	0.27590	0.05074	0.20576	0.00372	-0.00061	0.00009
24	0.45950	0.05924	0.20545	0.00384	-0.00092	-0.00011
25	0.64900	0.08211	0.19999	0.00437	-0.00101	0.00004
26	0.72703	0.12604	0.14369	0.00687	0.00026	-0.00045
27	0.74227	0.17824	0.07702	0.00563	0.00595	0.00053
28	0.73140	0.21246	0.04150	0.00406	0.01079	-0.00109
29	0.74642	0.25001	0.02155	0.01139	0.01271	-0.00472
30	0.84283	0.30956	-0.03460	0.00979	0.01374	-0.00463
31	0.93131	0.37216	-0.07866	0.00660	0.01563	-0.00641
32	1.01895	0.45281	-0.15389	0.00618	0.00484	-0.00320
33	-0.14514	0.05442	0.20190	0.00529	-0.00135	0.00017

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
45	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7780	-6.79	-0.01	28.58	100.64	67.47	12.57	312.92
				597.0	2102.0	1409.1	3.83	103.59
2	0.7809	-4.43	-0.02	28.73	100.68	67.30	12.57	313.37
				600.0	2102.7	1405.5	3.83	104.39
3	0.7807	-1.98	-0.01	28.73	100.71	67.33	12.58	313.20
				600.0	2103.4	1406.2	3.84	104.09
4	0.7788	0.24	-0.01	28.63	100.68	67.43	12.53	313.91
				598.0	2102.7	1408.4	3.82	105.37
5	0.7806	2.66	-0.01	28.70	100.64	67.30	12.52	314.19
				599.5	2102.0	1405.5	3.82	105.88
6	0.7809	4.90	-0.01	28.73	100.68	67.30	12.52	314.34
				600.0	2102.7	1405.5	3.82	106.14
7	0.7809	7.23	-0.01	28.73	100.68	67.30	12.52	314.27
				600.0	2102.7	1405.5	3.82	106.01
8	0.7814	9.20	-0.03	28.75	100.68	67.26	12.48	315.26
				600.5	2102.7	1404.8	3.80	107.79
9	0.7795	11.18	-0.02	28.66	100.64	67.37	12.44	315.63
				598.5	2102.0	1407.0	3.79	108.47
10	0.7785	13.34	0.02	28.61	100.64	67.43	12.45	315.26
				597.5	2102.0	1408.4	3.80	107.79
11	0.7794	15.37	-0.08	28.66	100.68	67.40	12.43	315.87
				598.5	2102.7	1407.7	3.79	108.90
12	0.7795	17.57	-0.09	28.66	100.64	67.37	12.41	316.10
				598.5	2102.0	1407.0	3.78	109.31
13	0.7801	19.79	-0.09	28.68	100.64	67.33	12.39	316.66
				599.0	2102.0	1406.2	3.78	110.32
14	0.7794	21.76	-0.05	28.66	100.68	67.40	12.39	316.62
				598.5	2102.7	1407.7	3.78	110.25
15	0.7804	-2.24	-0.01	28.70	100.68	67.33	12.43	316.06
				599.5	2102.7	1406.2	3.79	109.24

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 45 CONFIG 7 DHORZ(deg) -10.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.54481	0.12656	0.18697	0.00104	0.00069	0.00057
2	-0.40608	0.08422	0.18404	0.00523	0.00049	0.00038
3	-0.16089	0.05900	0.18438	0.00463	-0.00151	0.00034
4	0.07112	0.05469	0.19321	0.00366	-0.00087	0.00053
5	0.33745	0.06357	0.20527	0.00343	-0.00101	0.00057
6	0.47367	0.08459	0.19774	0.00598	0.00018	-0.00041
7	0.61225	0.12138	0.12635	0.00876	0.00021	-0.00098
8	0.64467	0.15823	0.10322	0.00567	-0.00588	-0.00085
9	0.71873	0.19868	0.04435	0.00393	-0.00173	-0.00012
10	0.82319	0.25244	0.00489	0.00588	0.00378	-0.00075
11	0.86756	0.30390	-0.03731	0.00435	-0.00146	0.00632
12	0.97060	0.37494	-0.07038	0.00832	-0.00110	0.00589
13	1.05764	0.45053	-0.12900	0.01122	-0.00390	0.00249
14	1.03715	0.49189	-0.13061	0.01113	-0.00252	-0.00045
15	-0.18786	0.06017	0.18456	0.00232	-0.00113	0.00022

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
46	7	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8507	-6.65	-0.02	31.76	100.64	62.71	12.77	319.62
				663.4	2102.0	1309.7	3.89	115.64
2	0.8502	-4.38	-0.02	31.74	100.64	62.74	12.77	319.54
				663.0	2102.0	1310.4	3.89	115.50
3	0.8499	-1.91	-0.01	31.72	100.61	62.74	12.74	319.93
				662.5	2101.3	1310.3	3.88	116.21
4	0.8502	0.08	-0.01	31.74	100.64	62.74	12.73	320.31
				663.0	2102.0	1310.4	3.88	116.88
5	0.8502	2.49	-0.01	31.74	100.64	62.74	12.71	320.70
				663.0	2102.0	1310.4	3.87	117.59
6	0.8522	4.83	-0.01	31.83	100.64	62.61	12.69	321.26
				664.7	2102.0	1307.6	3.87	118.60
7	0.8510	7.11	0.00	31.79	100.68	62.71	12.69	321.11
				663.9	2102.7	1309.7	3.87	118.33
8	0.8497	9.38	-0.02	31.72	100.64	62.77	12.65	321.73
				662.5	2102.0	1311.0	3.86	119.44
9	0.8507	11.52	0.06	31.76	100.64	62.71	12.68	321.29
				663.4	2102.0	1309.7	3.87	118.66
10	0.8517	13.52	0.15	31.81	100.64	62.64	12.65	321.99
				664.3	2102.0	1308.3	3.86	119.91
11	0.8502	15.71	-0.03	31.74	100.64	62.74	12.62	322.46
				663.0	2102.0	1310.4	3.85	120.75
12	0.8514	17.75	0.15	31.78	100.61	62.64	12.62	322.46
				663.8	2101.3	1308.3	3.85	120.75
13	0.8494	19.99	0.21	31.70	100.61	62.77	12.58	323.03
				662.0	2101.3	1311.0	3.83	121.79
14	0.8479	22.03	-0.03	31.63	100.61	62.87	12.58	322.87
				660.7	2101.3	1313.1	3.83	121.49
15	0.8504	-2.21	0.00	31.74	100.61	62.71	12.60	322.62
				662.9	2101.3	1309.7	3.84	121.05

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 46 CONFIG 7 DHORZ(deg) -10.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.45110	0.14509	0.16949	-0.00290	0.00355	0.00158
2	-0.32932	0.10502	0.17761	0.00410	0.00276	0.00044
3	-0.17829	0.07810	0.20350	0.00367	0.00010	-0.00007
4	-0.02446	0.06898	0.21558	0.00367	-0.00036	0.00010
5	0.17739	0.07714	0.21132	0.00301	-0.00095	0.00020
6	0.32971	0.09316	0.17222	0.00211	0.00019	0.00049
7	0.53692	0.13052	0.10201	0.00453	0.00258	-0.00056
8	0.63142	0.17153	0.09470	0.00578	-0.00170	-0.00102
9	0.70329	0.21625	0.04107	0.01222	0.00156	-0.00927
10	0.81641	0.26926	-0.05233	0.01083	0.01631	-0.00646
11	0.97847	0.32512	-0.07197	0.00907	-0.00070	-0.00042
12	0.93406	0.38708	-0.07150	0.01289	0.01391	-0.00508
13	1.02350	0.46070	-0.08701	0.00431	0.01478	-0.00529
14	1.06751	0.52285	-0.11201	0.01503	-0.00103	-0.00186
15	-0.19812	0.08051	0.20036	0.00177	0.00015	-0.00015

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
47	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.6006	-6.37	-0.01	19.93	100.71	78.92	10.99	306.77
				416.2	2103.4	1648.2	3.35	92.51
4	0.5984	-4.14	-0.01	19.82	100.71	79.06	10.96	306.86
				413.9	2103.4	1651.1	3.34	92.68
5	0.6001	-1.89	-0.01	19.90	100.71	78.95	10.96	307.37
				415.7	2103.4	1649.0	3.34	93.59
6	0.6012	0.29	-0.01	19.96	100.71	78.88	10.95	307.76
				416.8	2103.4	1647.5	3.34	94.30
7	0.5994	2.38	-0.01	19.88	100.74	79.02	10.93	307.86
				415.1	2104.1	1650.4	3.33	94.47
8	0.6006	4.62	-0.01	19.93	100.71	78.92	10.92	308.32
				416.2	2103.4	1648.2	3.33	95.31
9	0.5995	6.89	-0.01	19.88	100.71	78.99	10.90	308.43
				415.1	2103.4	1649.7	3.32	95.51
10	0.6000	8.95	-0.01	19.90	100.74	78.99	10.90	308.62
				415.7	2104.1	1649.7	3.32	95.85
11	0.6000	10.96	0.00	19.90	100.74	78.99	10.90	308.71
				415.7	2104.1	1649.7	3.32	96.01
12	0.5994	13.05	-0.07	19.88	100.74	79.02	10.88	308.90
				415.1	2104.1	1650.4	3.32	96.35
13	0.5990	15.14	-0.10	19.85	100.71	79.02	10.86	309.16
				414.5	2103.4	1650.4	3.31	96.82
14	0.6006	17.28	-0.13	19.93	100.71	78.92	10.89	309.07
				416.2	2103.4	1648.2	3.32	96.65
15	0.6012	19.26	-0.04	19.96	100.71	78.88	10.87	309.74
				416.8	2103.4	1647.5	3.31	97.87
16	0.5994	21.29	-0.17	19.88	100.74	79.02	10.85	309.56
				415.1	2104.1	1650.4	3.31	97.53
17	0.5994	-2.09	-0.01	19.88	100.74	79.02	10.87	309.22
				415.1	2104.1	1650.4	3.31	96.92

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 47 CONFIG 7 DHORZ(deg) 0.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
3	-0.43725	0.05007	0.01612	0.00641	-0.00095	-0.00039
4	-0.21729	0.03126	-0.00570	0.00757	-0.00120	-0.00002
5	-0.00064	0.02663	-0.01043	0.00658	-0.00131	-0.00025
6	0.20213	0.03038	-0.01712	0.00645	-0.00173	0.00007
7	0.40503	0.04016	-0.02869	0.00816	-0.00093	-0.00006
8	0.61459	0.05728	-0.02806	0.00889	-0.00137	-0.00070
9	0.79417	0.08830	-0.02647	0.00737	-0.00103	-0.00028
10	0.84602	0.14065	-0.05897	0.01000	0.00009	-0.00087
11	0.85043	0.19262	-0.10101	0.00929	0.00291	-0.00050
12	0.93082	0.24864	-0.14087	0.00914	-0.01152	0.00059
13	1.00401	0.31663	-0.19827	0.00584	-0.01294	0.00405
14	1.09055	0.38888	-0.23538	0.00527	-0.01302	0.00592
15	1.14135	0.45488	-0.25377	0.00878	0.00047	0.00330
16	1.15562	0.52022	-0.29314	0.01167	-0.01547	0.00516
17	-0.02936	0.02674	-0.01285	0.00707	-0.00025	-0.00023

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
48	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7806	-6.70	-0.01	28.70	100.64	67.30	12.48	314.96
				599.5	2102.0	1405.5	3.80	107.26
2	0.7816	-4.15	-0.02	28.75	100.64	67.23	12.48	315.09
				600.5	2102.0	1404.1	3.81	107.49
3	0.7813	-2.09	-0.02	28.72	100.61	67.23	12.46	315.31
				599.9	2101.3	1404.1	3.80	107.89
4	0.7802	0.22	-0.02	28.68	100.61	67.30	12.45	315.44
				598.9	2101.3	1405.5	3.80	108.13
5	0.7807	2.90	-0.02	28.70	100.61	67.26	12.45	315.54
				599.4	2101.3	1404.8	3.80	108.30
6	0.7809	4.95	-0.02	28.70	100.58	67.23	12.41	316.27
				599.4	2100.6	1404.1	3.78	109.61
7	0.7792	7.14	-0.01	28.63	100.61	67.37	12.40	316.23
				597.9	2101.3	1407.0	3.78	109.54
8	0.7813	9.10	-0.03	28.72	100.61	67.23	12.39	316.77
				599.9	2101.3	1404.1	3.78	110.52
9	0.7787	11.29	-0.02	28.60	100.61	67.40	12.37	316.81
				597.4	2101.3	1407.7	3.77	110.59
10	0.7794	13.40	0.00	28.63	100.58	67.33	12.36	317.09
				597.9	2100.6	1406.2	3.77	111.09
11	0.7801	15.44	-0.07	28.68	100.64	67.33	12.35	317.44
				599.0	2102.0	1406.2	3.77	111.73
12	0.7799	17.52	0.04	28.65	100.58	67.30	12.33	317.78
				598.4	2100.6	1405.5	3.76	112.34
13	0.7802	19.75	0.13	28.68	100.61	67.30	12.33	317.78
				598.9	2101.3	1405.5	3.76	112.34
14	0.7801	21.84	-0.08	28.68	100.64	67.33	12.33	317.88
				599.0	2102.0	1406.2	3.76	112.51
15	0.7816	-2.16	-0.01	28.75	100.64	67.23	12.35	317.74
				600.5	2102.0	1404.1	3.76	112.27

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 48 CONFIG 7 DHORZ(deg) 0.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.44043	0.07970	0.00558	0.00359	0.00008	-0.00015
2	-0.25212	0.04206	-0.02611	0.00629	-0.00040	0.00051
3	-0.04796	0.02925	-0.02039	0.00812	-0.00069	0.00010
4	0.20785	0.03228	-0.01930	0.00702	-0.00082	0.00027
5	0.51073	0.05315	-0.01896	0.00859	-0.00116	-0.00031
6	0.62066	0.08498	-0.03407	0.00676	0.00027	0.00039
7	0.73633	0.12642	-0.07234	0.01198	0.00127	-0.00138
8	0.7[illegible]59	0.16758	-0.07464	0.01038	-0.00244	-0.00045
9	0.82444	0.22101	-0.12222	0.00778	-0.00139	-0.00076
10	0.92288	0.28225	-0.15871	0.00972	0.00257	-0.00069
11	0.96910	0.34106	-0.20054	0.00875	-0.00193	0.00377
12	1.02844	0.40794	-0.25569	0.00835	0.00420	-0.00294
13	1.10864	0.48718	-0.28433	0.00657	0.01140	-0.00336
14	1.15381	0.55696	-0.29413	0.01255	-0.00438	0.00045
15	-0.05709	0.02956	-0.02253	0.00469	-0.00111	-0.00010

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
49	7	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8500	-6.59	-0.02	31.72	100.58	62.70	12.73	319.99
				662.4	2100.6	1309.6	3.88	116.31
2	0.8519	-4.29	-0.03	31.80	100.61	62.61	12.70	321.03
				664.2	2101.3	1307.6	3.87	118.19
3	0.8500	-2.12	-0.02	31.72	100.58	62.70	12.68	321.07
				662.4	2100.6	1309.6	3.86	118.26
4	0.8495	0.31	-0.02	31.70	100.58	62.74	12.71	320.34
				662.0	2100.6	1310.3	3.87	116.95
5	0.8495	2.89	-0.02	31.70	100.58	62.74	12.68	321.03
				662.0	2100.6	1310.3	3.86	118.19
6	0.8495	4.90	-0.02	31.70	100.58	62.74	12.68	320.92
				662.0	2100.6	1310.3	3.87	117.99
7	0.8505	7.20	-0.01	31.74	100.58	62.68	12.67	321.33
				662.9	2100.6	1309.0	3.86	118.73
8	0.8490	9.25	-0.03	31.68	100.58	62.77	12.61	322.27
				661.6	2100.6	1311.0	3.84	120.41
9	0.8489	11.24	0.05	31.68	100.61	62.80	12.62	322.21
				661.6	2101.3	1311.7	3.85	120.31
10	0.8520	13.59	0.16	31.80	100.58	62.57	12.64	322.16
				664.2	2100.6	1306.9	3.85	120.21
11	0.8505	15.71	-0.04	31.74	100.58	62.68	12.60	322.74
				662.9	2100.6	1309.0	3.84	121.26
12	0.8500	17.92	0.17	31.72	100.58	62.70	12.58	323.02
				662.4	2100.6	1309.6	3.83	121.76
13	0.8526	20.07	0.17	31.82	100.58	62.54	12.58	323.47
				664.6	2100.6	1306.2	3.83	122.57
14	0.8490	22.12	-0.05	31.68	100.58	62.77	12.55	323.58
				661.6	2100.6	1311.0	3.82	122.77
15	0.8495	-2.10	-0.01	31.70	100.58	62.74	12.59	322.74
				662.0	2100.6	1310.3	3.84	121.26

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
49	7	0.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.36443	0.09785	0.00433	-0.00317	0.00280	0.00177
2	-0.20949	0.06637	-0.02646	0.00308	0.00276	0.00135
3	-0.07625	0.04851	-0.00429	0.00654	-0.00007	0.00033
4	0.12914	0.04635	-0.00030	0.00579	-0.00181	0.00060
5	0.33961	0.06686	-0.01247	0.00911	-0.00092	-0.00059
6	0.48023	0.09463	-0.05469	0.00626	-0.00003	0.00050
7	0.65928	0.13860	-0.08989	0.00991	0.00300	-0.00105
8	0.73363	0.17970	-0.07642	0.00721	-0.00188	-0.00017
9	0.78539	0.22533	-0.09874	0.00657	0.00290	-0.00577
10	0.89843	0.29690	-0.19539	0.01192	0.01622	-0.00716
11	0.99141	0.36329	-0.24122	0.00901	-0.00195	-0.00007
12	1.05526	0.43572	-0.25548	0.01036	0.01477	-0.00504
13	1.15687	0.52137	-0.27768	0.00821	0.01281	-0.00442
14	1.19795	0.59055	-0.29688	0.01304	-0.00220	-0.00102
15	-0.07435	0.04807	-0.00463	0.00318	-0.00022	0.00026

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
50	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.5997	-6.36	-0.01	19.84	100.51	78.82	11.08	304.24
				414.4	2099.2	1646.1	3.38	87.97
22	0.6008	-4.18	-0.01	19.90	100.51	78.75	11.05	305.07
				415.6	2099.2	1644.7	3.37	89.45
23	0.5991	-2.04	-0.01	19.81	100.51	78.85	11.03	304.97
				413.8	2099.2	1646.8	3.36	89.28
24	0.5997	0.18	-0.01	19.84	100.51	78.82	11.04	304.94
				414.4	2099.2	1646.1	3.37	89.22
25	0.5998	2.51	-0.01	19.84	100.48	78.78	11.01	305.59
				414.4	2098.5	1645.4	3.36	90.39
26	0.6003	4.73	-0.01	19.87	100.51	78.78	11.00	305.91
				415.0	2099.2	1645.4	3.35	90.97
27	0.5997	6.90	-0.01	19.84	100.51	78.82	10.98	306.23
				414.4	2099.2	1646.1	3.35	91.54
28	0.5991	8.87	-0.01	19.81	100.51	78.85	10.96	306.54
				413.8	2099.2	1646.8	3.34	92.11
29	0.6007	10.85	0.01	19.90	100.54	78.78	10.99	306.38
				415.6	2099.9	1645.4	3.35	91.81
30	0.5986	12.89	0.03	19.78	100.51	78.89	10.96	306.47
				413.2	2099.2	1647.6	3.34	91.98
31	0.6012	14.99	0.00	19.93	100.54	78.75	10.98	306.86
				416.2	2099.9	1644.7	3.35	92.68
32	0.5991	17.02	0.00	19.81	100.51	78.85	10.94	306.92
				413.8	2099.2	1646.8	3.34	92.78
33	0.5997	18.10	0.00	19.84	100.51	78.82	10.95	306.96
				414.4	2099.2	1646.1	3.34	92.85
34	0.6003	-1.88	-0.01	19.87	100.51	78.78	10.97	306.64
				415.0	2099.2	1645.4	3.34	92.28

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 50 CONFIG 5 DHORZ(deg) 0.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
21	-0.41483	0.04990	0.06725	0.00701	-0.00047	-0.00051
22	-0.21490	0.03244	0.04084	0.00793	-0.00071	-0.00053
23	-0.00249	0.02792	0.01453	0.00783	-0.00115	-0.00032
24	0.20624	0.03119	-0.01023	0.00833	-0.00072	-0.00038
25	0.43663	0.04163	-0.03310	0.00885	-0.00128	-0.00061
26	0.62197	0.05824	-0.04800	0.01042	-0.00058	-0.00149
27	0.80109	0.08741	-0.06007	0.01009	-0.00099	-0.00125
28	0.82397	0.13900	-0.09752	0.01039	0.00108	-0.00108
29	0.79249	0.18934	-0.15199	0.00853	0.00277	-0.00198
30	0.78410	0.22807	-0.18352	0.00908	0.00256	-0.00497
31	0.81288	0.27664	-0.21698	0.00845	0.00021	-0.00279
32	0.86531	0.32865	-0.21493	0.00707	-0.00009	-0.00192
33	0.88777	0.35585	-0.20189	0.00837	-0.00032	-0.00165
34	-0.00046	0.02813	0.01471	0.00871	-0.00036	-0.00070

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
51	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7806	-6.65	-0.01	28.61	100.34	67.09	12.36	316.70
				597.6	2095.6	1401.3	3.77	110.39
2	0.7821	-4.38	-0.01	28.69	100.34	66.99	12.34	317.37
				599.1	2095.6	1399.1	3.76	111.60
3	0.7785	-2.13	-0.01	28.52	100.34	67.23	12.29	317.74
				595.7	2095.6	1404.1	3.74	112.27
4	0.7793	0.28	-0.01	28.57	100.37	67.20	12.33	317.22
				596.7	2096.3	1403.4	3.76	111.33
5	0.7804	2.75	-0.02	28.62	100.37	67.13	12.31	317.69
				597.7	2096.3	1402.0	3.75	112.17
6	0.7814	4.93	-0.01	28.67	100.37	67.06	12.31	317.88
				598.7	2096.3	1400.6	3.75	112.51
7	0.7799	7.09	-0.01	28.59	100.37	67.16	12.28	318.12
				597.2	2096.3	1402.7	3.74	112.94
8	0.7800	9.17	-0.01	28.59	100.34	67.13	12.26	318.53
				597.2	2095.6	1402.0	3.74	113.68
9	0.7799	11.09	0.02	28.59	100.37	67.16	12.26	318.70
				597.2	2096.3	1402.7	3.74	113.99
10	0.7799	13.42	0.12	28.59	100.37	67.16	12.25	318.72
				597.2	2096.3	1402.7	3.73	114.02
11	0.7799	15.31	-0.02	28.59	100.37	67.16	12.24	319.09
				597.2	2096.3	1402.7	3.73	114.69
12	0.7799	17.58	-0.02	28.59	100.37	67.16	12.24	319.03
				597.2	2096.3	1402.7	3.73	114.59
13	0.7804	18.60	-0.03	28.62	100.37	67.13	12.25	318.87
				597.7	2096.3	1402.0	3.73	114.29
14	0.7814	-2.00	-0.01	28.67	100.37	67.06	12.28	318.53
				598.7	2096.3	1400.6	3.74	113.68

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 51 CONFIG 5 DHORZ(deg) 0.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.44296	0.08308	0.07825	0.00086	-0.00014	0.00170
2	-0.28534	0.04770	0.05018	0.00469	0.00058	0.00010
3	-0.05050	0.03097	0.02157	0.00402	-0.00018	-0.00009
4	0.21917	0.03377	-0.00565	0.00521	-0.00003	0.00014
5	0.50183	0.05155	-0.02976	0.00784	-0.00070	-0.00059
6	0.61508	0.08394	-0.05223	0.00926	-0.00008	-0.00131
7	0.71715	0.12404	-0.09264	0.00910	0.00073	-0.00140
8	0.73668	0.16762	-0.13595	0.00580	0.00038	-0.00073
9	0.73999	0.20705	-0.17694	0.00982	0.00149	-0.00458
10	0.84459	0.26581	-0.22393	0.00863	0.01265	-0.00687
11	0.86429	0.31225	-0.22726	0.00561	-0.00227	-0.00171
12	0.91993	0.37336	-0.20634	0.00542	-0.00272	-0.00129
13	0.93618	0.39959	-0.18803	0.00372	-0.00279	-0.00060
14	-0.03530	0.03161	0.02027	0.00412	0.00002	0.00003

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
52	5	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8509	-6.54	-0.01	31.68	100.34	62.50	12.62	321.71
				661.6	2095.6	1305.4	3.85	119.40
2	0.8502	-4.25	-0.02	31.66	100.37	62.57	12.61	321.86
				661.2	2096.3	1306.8	3.85	119.67
3	0.8452	-2.01	-0.01	31.45	100.37	62.90	12.57	322.10
				656.8	2096.3	1313.7	3.83	120.11
4	0.8446	0.16	-0.01	31.43	100.37	62.93	12.60	321.52
				656.4	2096.3	1314.3	3.84	119.07
5	0.8446	2.58	-0.01	31.43	100.37	62.93	12.59	321.73
				656.4	2096.3	1314.3	3.84	119.44
6	0.8512	4.88	-0.01	31.70	100.37	62.51	12.59	322.46
				662.1	2096.3	1305.5	3.84	120.75
7	0.8502	7.17	-0.01	31.66	100.37	62.57	12.58	322.46
				661.2	2096.3	1306.8	3.84	120.75
8	0.8532	9.25	-0.01	31.78	100.37	62.37	12.58	322.91
				663.8	2096.3	1302.7	3.84	121.56
9	0.8507	11.23	0.04	31.68	100.37	62.54	12.56	323.11
				661.6	2096.3	1306.1	3.83	121.93
10	0.8504	13.51	0.15	31.65	100.34	62.54	12.54	323.28
				661.1	2095.6	1306.1	3.82	122.23
11	0.8522	15.61	0.04	31.74	100.37	62.44	12.54	323.69
				662.9	2096.3	1304.1	3.82	122.97
12	0.8512	17.82	0.10	31.70	100.37	62.51	12.53	323.59
				662.1	2096.3	1305.5	3.82	122.80
13	0.8489	18.80	0.10	31.59	100.34	62.64	12.50	323.93
				659.8	2095.6	1308.2	3.81	123.41
14	0.8502	-2.07	-0.01	31.66	100.37	62.57	12.52	323.65
				661.2	2096.3	1306.8	3.82	122.90

TABLE 3.4$_f$ (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
52	5	0.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.36740	0.10531	0.06858	-0.00616	0.00039	0.00352
2	-0.22339	0.06976	0.04790	0.00127	0.00040	0.00173
3	-0.07578	0.04898	0.04351	0.00173	0.00015	0.00080
4	0.11785	0.04578	0.02392	0.00274	-0.00073	0.00035
5	0.34466	0.06342	-0.01353	0.00586	-0.00032	-0.00037
6	0.46468	0.09406	-0.05191	0.00862	0.00021	-0.00101
7	0.62050	0.13378	-0.09978	0.00794	0.00127	-0.00127
8	0.74751	0.18395	-0.14449	0.00954	0.00033	-0.00145
9	0.75246	0.22311	-0.20057	0.01011	0.00511	-0.00351
10	0.88858	0.28982	-0.23431	0.01322	0.01683	-0.00654
11	0.91800	0.34614	-0.22772	0.00749	0.00342	-0.00277
12	0.95637	0.40148	-0.20628	0.00351	0.00625	-0.00463
13	0.97681	0.42752	-0.18918	0.00106	0.00497	-0.00447
14	-0.08211	0.05129	0.04744	0.00165	0.00011	0.00054

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 53 CONFIG 6 DHORZ(deg) OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.6012	-6.51	-0.01	19.89	100.41	78.65	10.95	307.07
				415.5	2097.1	1642.6	3.34	93.05
20	0.6011	-5.36	-0.01	19.90	100.44	78.68	10.94	307.46
				415.6	2097.8	1643.3	3.33	93.76
21	0.6011	-4.21	-0.01	19.90	100.44	78.68	10.93	307.74
				415.6	2097.8	1643.3	3.33	94.26
22	0.5994	-3.11	-0.01	19.81	100.44	78.78	10.91	307.57
				413.8	2097.8	1645.4	3.33	93.96
23	0.6011	-2.10	-0.01	19.90	100.44	78.68	10.92	307.87
				415.6	2097.8	1643.3	3.33	94.50
24	0.6015	-0.92	-0.01	19.93	100.48	78.68	10.91	308.36
				416.2	2098.5	1643.3	3.32	95.38
25	0.6011	0.21	-0.01	19.90	100.44	78.68	10.91	308.02
				415.6	2097.8	1643.3	3.33	94.77
26	0.6015	1.36	-0.02	19.93	100.48	78.68	10.92	308.16
				416.2	2098.5	1643.3	3.33	95.01
27	0.6016	2.51	-0.01	19.92	100.44	78.65	10.91	308.21
				416.1	2097.8	1642.6	3.33	95.11
28	0.6016	4.76	-0.01	19.92	100.44	78.65	10.90	308.39
				416.1	2097.8	1642.6	3.32	95.44
29	0.6011	5.74	-0.01	19.90	100.44	78.68	10.90	308.39
				415.6	2097.8	1643.3	3.32	95.44
30	0.6005	6.95	-0.02	19.87	100.44	78.72	10.89	308.38
				415.0	2097.8	1644.0	3.32	95.41
31	0.5998	8.00	-0.01	19.84	100.48	78.78	10.89	308.24
				414.4	2098.5	1645.4	3.32	95.17
32	0.6005	9.02	-0.01	19.87	100.44	78.72	10.89	308.43
				415.0	2097.8	1644.0	3.32	95.51
33	0.6015	10.93	0.02	19.93	100.48	78.68	10.90	308.39
				416.2	2098.5	1643.3	3.32	95.44
34	0.6009	12.87	0.05	19.90	100.48	78.72	10.89	308.51
				415.6	2098.5	1644.0	3.32	95.64
35	0.6009	14.90	0.00	19.90	100.48	78.72	10.87	308.92
				415.6	2098.5	1644.0	3.31	96.39
36	0.6020	16.97	0.00	19.95	100.48	78.65	10.88	308.99
				416.7	2098.5	1642.6	3.32	96.52
37	0.5998	19.06	-0.01	19.84	100.48	78.78	10.87	308.75
				414.4	2098.5	1645.4	3.31	96.08
38	0.6015	3.55	-0.01	19.93	100.48	78.68	10.88	308.88
				416.2	2098.5	1643.3	3.32	96.32
39	0.6015	-1.97	-0.01	19.93	100.48	78.68	10.89	308.73
				416.2	2098.5	1643.3	3.32	96.05

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 53 CONFIG 6 DHORZ(deg) OFF

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
19	-0.34204	0.04200	-0.13392	0.00691	-0.00179	-0.00004
20	-0.23809	0.03191	-0.12316	0.00760	-0.00156	-0.00005
21	-0.14398	0.02649	-0.11652	0.00775	-0.00116	-0.00014
22	-0.03912	0.02340	-0.10472	0.00934	-0.00136	0.00018
23	0.04367	0.02334	-0.09583	0.00817	-0.00138	-0.00015
24	0.14725	0.02479	-0.08462	0.00926	-0.00134	-0.00008
25	0.24082	0.02787	-0.07476	0.00901	-0.00165	-0.00002
26	0.34376	0.03235	-0.06186	0.00842	-0.00132	0.00019
27	0.43852	0.03843	-0.05081	0.00777	-0.00135	-0.00013
28	0.61702	0.05525	-0.01613	0.00869	-0.00170	-0.00071
29	0.70106	0.06604	0.00064	0.00916	-0.00103	-0.00096
30	0.77852	0.08369	0.01771	0.00986	-0.00184	-0.00071
31	0.80012	0.10720	0.02700	0.00777	0.00131	-0.00014
32	0.76937	0.13769	0.02163	0.00740	0.00056	-0.00065
33	0.69918	0.18073	0.02454	0.00802	0.00370	-0.00332
34	0.69250	0.21584	0.03626	0.00908	0.00532	-0.00667
35	0.71295	0.25709	0.03894	0.00568	-0.00003	-0.00168
36	0.76508	0.30479	0.04148	0.00493	-0.00025	-0.00143
37	0.82050	0.35763	0.04080	0.00400	-0.00081	-0.00081
38	0.52105	0.04564	-0.03464	0.00798	-0.00158	-0.00052
39	0.04767	0.02334	-0.09635	0.00763	-0.00154	-0.00005

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 54 CONFIG 6 DHORZ(deg) OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7014	-6.47	-0.01	24.90	100.41	72.29	11.85	312.36
				520.0	2097.1	1509.9	3.61	102.58
2	0.7013	-5.22	-0.01	24.90	100.44	72.33	11.85	312.43
				520.0	2097.8	1510.6	3.61	102.71
3	0.6993	-4.14	-0.01	24.80	100.41	72.43	11.82	312.51
				517.9	2097.1	1512.7	3.60	102.85
4	0.7013	-2.99	-0.01	24.90	100.44	72.33	11.86	312.25
				520.0	2097.8	1510.6	3.62	102.38
5	0.7002	-1.83	-0.01	24.85	100.44	72.39	11.82	312.84
				519.0	2097.8	1512.0	3.60	103.45
6	0.7004	-0.85	-0.01	24.85	100.41	72.36	11.83	312.60
				518.9	2097.1	1511.3	3.61	103.01
7	0.7004	0.34	-0.02	24.85	100.41	72.36	11.82	312.73
				518.9	2097.1	1511.3	3.60	103.25
8	0.7005	1.66	-0.02	24.85	100.37	72.33	11.82	312.68
				518.9	2096.3	1510.6	3.60	103.15
9	0.7004	2.79	-0.02	24.85	100.41	72.36	11.81	312.96
				518.9	2097.1	1511.3	3.60	103.65
10	0.7009	3.89	-0.02	24.87	100.41	72.33	11.83	312.68
				519.5	2097.1	1510.6	3.61	103.15
11	0.7004	5.11	-0.01	24.85	100.41	72.36	11.81	313.09
				518.9	2097.1	1511.3	3.60	103.89
12	0.7004	6.29	-0.01	24.85	100.41	72.36	11.80	313.22
				518.9	2097.1	1511.3	3.60	104.13
13	0.6988	7.26	0.00	24.77	100.41	72.46	11.81	312.75
				517.3	2097.1	1513.4	3.60	103.28
14	0.6995	8.12	-0.01	24.79	100.37	72.39	11.79	313.11
				517.8	2096.3	1512.0	3.59	103.92
15	0.6999	9.08	-0.01	24.82	100.41	72.39	11.79	313.22
				518.4	2097.1	1512.0	3.60	104.13
16	0.6993	11.25	0.01	24.80	100.41	72.43	11.81	312.69
				517.9	2097.1	1512.7	3.60	103.18
17	0.6993	13.23	0.08	24.80	100.41	72.43	11.80	313.07
				517.9	2097.1	1512.7	3.60	103.86
18	0.6999	15.24	-0.01	24.82	100.41	72.39	11.79	313.22
				518.4	2097.1	1512.0	3.60	104.13
19	0.7000	17.27	-0.01	24.82	100.37	72.36	11.79	313.24
				518.4	2096.3	1511.3	3.59	104.16
20	0.6977	19.45	0.00	24.72	100.41	72.53	11.77	313.35
				516.2	2097.1	1514.9	3.59	104.36
21	0.6999	-1.84	-0.01	24.82	100.41	72.39	11.84	312.36
				518.4	2097.1	1512.0	3.61	102.58

TABLE 3.4 (CONTINUED)

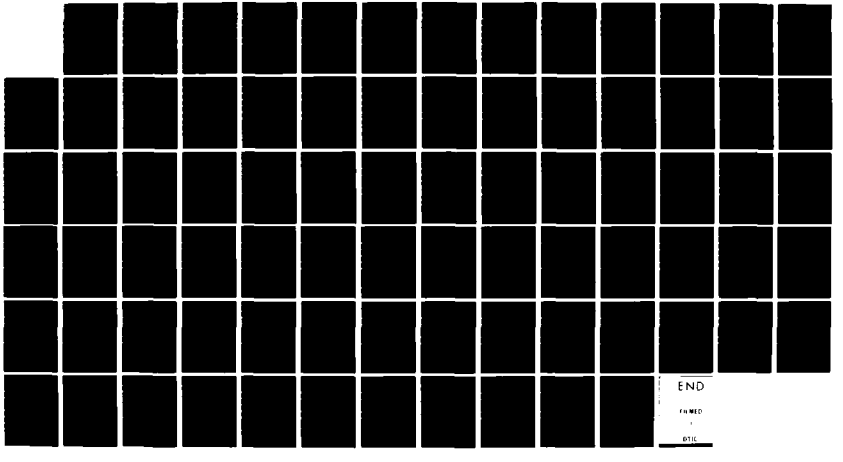
NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

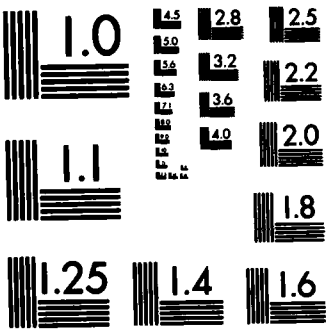
RUN 54 CONFIG 6 DHORZ(deg) OFF

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.35163	0.05231	-0.13620	0.00510	-0.00027	0.00026
2	-0.25921	0.03655	-0.12484	0.00638	-0.00026	0.00013
3	-0.17060	0.02827	-0.11762	0.00588	-0.00041	0.00009
4	-0.06257	0.02442	-0.10772	0.00677	-0.00160	0.00019
5	0.04726	0.02396	-0.09597	0.00617	-0.00093	0.00005
6	0.14539	0.02548	-0.08565	0.00689	-0.00149	0.00018
7	0.25388	0.02912	-0.07465	0.00733	-0.00116	0.00024
8	0.38231	0.03572	-0.06035	0.00672	-0.00154	0.00033
9	0.47891	0.04310	-0.04551	0.00677	-0.00162	-0.00008
10	0.57756	0.05318	-0.02552	0.00824	-0.00073	-0.00046
11	0.69867	0.07010	-0.00776	0.00844	-0.00084	-0.00081
12	0.78873	0.09041	0.00661	0.00633	0.00054	0.00011
13	0.80108	0.10830	0.01444	0.00813	0.00320	-0.00045
14	0.75450	0.12978	0.01631	0.00739	-0.00094	-0.00061
15	0.72682	0.15188	0.01505	0.00577	-0.00033	0.00016
16	0.67504	0.19374	0.02358	0.00654	-0.00040	-0.00313
17	0.73042	0.23464	0.02856	0.00606	0.01072	-0.00414
18	0.73991	0.27581	0.03558	0.00448	-0.00080	-0.00062
19	0.79944	0.32673	0.03755	0.00498	-0.00064	-0.00072
20	0.85467	0.38409	0.03707	0.00313	-0.00040	-0.00055
21	0.04802	0.02372	-0.09518	0.00423	-0.00071	0.00009

AD-A124 868 FORCE AND PRESSURE MEASUREMENTS ON A RESEARCH MODEL WITH A LOW- MID- AND.. (U) GENERAL DYNAMICS FORT WORTH TX FORT WORTH DIV R A COX DEC 82 FZA-540-VOL-2 9/9

UNCLASSIFIED N00014-82-C-0340 F/G 1/3 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 55 CONFIG 6 DHORZ(deg) OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7506	-6.56	-0.01	27.24	100.37	69.08	12.24	314.01
				568.9	2096.3	1442.7	3.73	105.54
2	0.7507	-5.48	-0.01	27.24	100.34	69.04	12.22	314.23
				568.9	2095.6	1442.0	3.73	105.94
3	0.7516	-4.28	-0.02	27.29	100.37	69.01	12.23	314.34
				569.9	2096.3	1441.3	3.73	106.14
4	0.7516	-3.26	-0.02	27.29	100.37	69.01	12.22	314.61
				569.9	2096.3	1441.3	3.72	106.62
5	0.7511	-2.01	-0.02	27.26	100.37	69.04	12.21	314.62
				569.4	2096.3	1442.0	3.72	106.65
6	0.7506	-0.81	-0.02	27.24	100.37	69.08	12.23	314.13
				568.9	2096.3	1442.7	3.73	105.77
7	0.7495	0.33	-0.02	27.19	100.37	69.14	12.19	314.76
				567.9	2096.3	1444.1	3.72	106.89
8	0.7511	1.65	-0.02	27.26	100.37	69.04	12.22	314.43
				569.4	2096.3	1442.0	3.72	106.31
9	0.7506	2.79	-0.02	27.24	100.37	69.08	12.19	314.84
				568.9	2096.3	1442.7	3.72	107.05
10	0.7492	3.87	-0.02	27.16	100.34	69.14	12.19	314.69
				567.3	2095.6	1444.1	3.71	106.78
11	0.7495	5.15	-0.02	27.19	100.37	69.14	12.18	314.90
				567.9	2096.3	1444.1	3.71	107.15
12	0.7506	6.08	-0.02	27.24	100.37	69.08	12.19	315.02
				568.9	2096.3	1442.7	3.71	107.36
13	0.7509	7.11	-0.02	27.27	100.41	69.08	12.19	315.09
				569.5	2097.1	1442.7	3.72	107.49
14	0.7500	8.09	-0.03	27.22	100.37	69.11	12.17	315.31
				568.4	2096.3	1443.4	3.71	107.89
15	0.7506	9.10	-0.02	27.24	100.37	69.08	12.18	315.28
				568.9	2096.3	1442.7	3.71	107.83
16	0.7495	11.12	0.04	27.19	100.37	69.14	12.17	315.26
				567.9	2096.3	1444.1	3.71	107.79
17	0.7500	13.32	0.09	27.22	100.37	69.11	12.18	315.03
				568.4	2096.3	1443.4	3.71	107.39
18	0.7495	15.36	0.14	27.19	100.37	69.14	12.17	315.20
				567.9	2096.3	1444.1	3.71	107.69
19	0.7495	17.45	0.20	27.19	100.37	69.14	12.18	315.07
				567.9	2096.3	1444.1	3.71	107.46
20	0.7511	19.62	0.24	27.26	100.37	69.04	12.19	315.11
				569.4	2096.3	1442.0	3.71	107.52
21	0.7502	-2.03	-0.01	27.22	100.34	69.08	12.20	314.66
				568.4	2095.6	1442.7	3.72	106.72

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 55 CONFIG 6 DHORZ(deg) OFF

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.36165	0.06119	-0.13861	0.00418	0.00059	0.00037
2	-0.29694	0.04611	-0.12869	0.00647	-0.00048	0.00015
3	-0.20411	0.03353	-0.11854	0.00626	-0.00033	0.00029
4	-0.09642	0.02677	-0.11050	0.00833	-0.00083	0.00009
5	0.02677	0.02460	-0.09807	0.00748	-0.00072	0.00017
6	0.14329	0.02623	-0.08763	0.00735	-0.00048	0.00023
7	0.25193	0.02970	-0.07681	0.00787	-0.00086	0.00027
8	0.37855	0.03658	-0.06233	0.00746	-0.00070	0.00036
9	0.50048	0.04549	-0.04492	0.00788	-0.00123	-0.00016
10	0.60512	0.05917	-0.03139	0.00961	-0.00085	-0.00078
11	0.67937	0.08005	-0.01265	0.00843	-0.00040	-0.00025
12	0.69282	0.09512	-0.00407	0.00670	0.00041	0.00024
13	0.72410	0.11470	0.00065	0.01157	-0.00010	-0.00094
14	0.71826	0.13567	0.00618	0.01004	-0.00182	-0.00043
15	0.68749	0.15464	0.01089	0.00680	0.00049	0.00094
16	0.66691	0.19333	0.01849	0.00708	0.00435	-0.00374
17	0.74044	0.24178	0.02130	0.00844	0.01257	-0.00374
18	0.80923	0.29248	0.02857	0.01038	0.01338	-0.00769
19	0.87536	0.34961	0.03111	0.00892	0.01590	-0.00979
20	0.93623	0.41284	0.03154	0.00747	0.01511	-0.01191
21	0.01891	0.02502	-0.10022	0.00467	-0.00101	0.00028

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 56 CONFIG 6 DHORZ(deg) OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7809	-6.75	-0.01	28.64	100.37	67.09	12.39	316.25
				598.2	2096.3	1401.3	3.78	109.58
2	0.7806	-5.52	-0.02	28.61	100.34	67.09	12.40	315.93
				597.6	2095.6	1401.3	3.78	109.01
3	0.7818	-4.37	-0.02	28.66	100.30	66.99	12.37	316.55
				598.6	2094.9	1399.1	3.77	110.12
4	0.7821	-3.18	-0.02	28.69	100.34	66.99	12.39	316.38
				599.1	2095.6	1399.1	3.78	109.81
5	0.7811	-1.91	-0.02	28.64	100.34	67.06	12.39	316.08
				598.1	2095.6	1400.6	3.78	109.27
6	0.7816	-0.85	-0.02	28.66	100.34	67.03	12.39	316.19
				598.6	2095.6	1399.9	3.78	109.48
7	0.7811	0.30	-0.02	28.64	100.34	67.06	12.37	316.47
				598.1	2095.6	1400.6	3.77	109.98
8	0.7806	1.62	-0.02	28.61	100.34	67.09	12.35	316.84
				597.6	2095.6	1401.3	3.76	110.65
9	0.7806	2.90	-0.02	28.61	100.34	67.09	12.35	316.81
				597.6	2095.6	1401.3	3.77	110.59
10	0.7816	3.84	-0.02	28.66	100.34	67.03	12.35	316.96
				598.6	2095.6	1399.9	3.77	110.86
11	0.7813	5.16	-0.02	28.64	100.30	67.03	12.36	316.76
				598.1	2094.9	1399.9	3.77	110.49
12	0.7806	6.02	-0.02	28.61	100.34	67.09	12.36	316.57
				597.6	2095.6	1401.3	3.77	110.15
13	0.7811	7.12	-0.02	28.64	100.34	67.06	12.35	316.98
				598.1	2095.6	1400.6	3.76	110.89
14	0.7797	8.14	-0.03	28.57	100.30	67.13	12.34	316.88
				596.6	2094.9	1402.0	3.76	110.72
15	0.7797	9.07	-0.03	28.57	100.30	67.13	12.31	317.37
				596.6	2094.9	1402.0	3.75	111.60
16	0.7797	11.18	0.02	28.57	100.30	67.13	12.33	317.11
				596.6	2094.9	1402.0	3.76	111.13
17	0.7802	13.29	0.10	28.59	100.30	67.09	12.32	317.28
				597.1	2094.9	1401.3	3.76	111.43
18	0.7797	15.31	0.01	28.57	100.30	67.13	12.31	317.41
				596.6	2094.9	1402.0	3.75	111.66
19	0.7792	17.45	0.01	28.54	100.30	67.16	12.32	317.14
				596.1	2094.9	1402.7	3.76	111.19
20	0.7802	19.57	0.00	28.59	100.30	67.09	12.31	317.59
				597.1	2094.9	1401.3	3.75	112.00
21	0.7802	-2.06	-0.01	28.59	100.30	67.09	12.34	316.81
				597.1	2094.9	1401.3	3.76	110.59

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 56 CONFIG 6 DHORZ(deg) OFF

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.34928	0.07122	-0.14262	0.00370	-0.00028	0.00061
2	-0.29100	0.05368	-0.12518	0.00447	0.00088	0.00044
3	-0.22010	0.04031	-0.11516	0.00684	0.00004	0.00019
4	-0.10480	0.02932	-0.10786	0.00776	-0.00099	0.00018
5	0.02224	0.02591	-0.09686	0.00697	-0.00110	0.00022
6	0.12956	0.02672	-0.08686	0.00683	-0.00036	0.00024
7	0.25364	0.03038	-0.07639	0.00743	-0.00117	0.00029
8	0.39307	0.03792	-0.06248	0.00757	-0.00137	0.00042
9	0.52443	0.05088	-0.04747	0.00933	-0.00135	-0.00037
10	0.56996	0.06463	-0.03291	0.01071	-0.00110	-0.00104
11	0.60782	0.08523	-0.01408	0.00754	-0.00070	0.00008
12	0.63861	0.09931	-0.00690	0.00678	-0.00041	0.00006
13	0.68782	0.12078	-0.00058	0.01043	0.00038	-0.00092
14	0.70250	0.14177	0.00348	0.01101	-0.00073	-0.00018
15	0.68209	0.15822	0.00982	0.00809	0.00031	0.00107
16	0.67135	0.19865	0.01799	0.01069	0.00342	-0.00343
17	0.75307	0.24722	0.01780	0.00909	0.01301	-0.00409
18	0.77011	0.29054	0.02175	0.00723	0.00196	-0.00101
19	0.82721	0.34567	0.02596	0.00666	0.00217	-0.00118
20	0.87933	0.40399	0.02854	0.00689	0.00002	-0.00108
21	0.00609	0.02582	-0.09828	0.00352	-0.00080	0.00017

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 57 CONFIG 6 DHORZ(deg) OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8005	-6.64	-0.01	29.51	100.34	65.79	12.44	318.17
				616.3	2095.6	1374.1	3.79	113.04
2	0.8012	-5.53	-0.02	29.53	100.30	65.73	12.44	318.29
				616.8	2094.9	1372.7	3.79	113.25
3	0.8006	-4.29	-0.02	29.51	100.30	65.76	12.42	318.57
				616.3	2094.9	1373.4	3.79	113.75
4	0.8010	-3.18	-0.02	29.53	100.34	65.76	12.44	318.32
				616.8	2095.6	1373.4	3.79	113.31
5	0.8001	-2.06	-0.02	29.48	100.30	65.79	12.44	317.97
				615.8	2094.9	1374.1	3.79	112.67
6	0.7994	-0.91	-0.02	29.46	100.34	65.86	12.43	318.12
				615.3	2095.6	1375.6	3.79	112.94
7	0.8001	0.31	-0.02	29.48	100.30	65.79	12.42	318.42
				615.8	2094.9	1374.1	3.79	113.48
8	0.8001	1.55	-0.02	29.48	100.30	65.79	12.42	318.42
				615.8	2094.9	1374.1	3.79	113.48
9	0.8005	2.87	-0.02	29.51	100.34	65.79	12.43	318.29
				616.3	2095.6	1374.1	3.79	113.25
10	0.8005	3.81	-0.02	29.51	100.34	65.79	12.41	318.79
				616.3	2095.6	1374.1	3.78	114.15
11	0.7989	5.04	-0.02	29.44	100.34	65.90	12.42	318.34
				614.8	2095.6	1376.3	3.79	113.35
12	0.8028	5.90	-0.02	29.60	100.30	65.62	12.43	318.58
				618.3	2094.9	1370.5	3.79	113.78
13	0.8022	7.12	-0.02	29.58	100.30	65.65	12.42	318.79
				617.8	2094.9	1371.2	3.79	114.15
14	0.8001	8.15	-0.03	29.48	100.30	65.79	12.42	318.36
				615.8	2094.9	1374.1	3.79	113.38
15	0.8001	9.10	-0.03	29.48	100.30	65.79	12.40	318.79
				615.8	2094.9	1374.1	3.78	114.15
16	0.7997	11.17	-0.03	29.49	100.37	65.86	12.42	318.62
				615.9	2096.3	1375.6	3.79	113.85
17	0.8001	13.35	0.04	29.48	100.30	65.79	12.43	318.31
				615.8	2094.9	1374.1	3.79	113.28
18	0.8001	15.39	-0.08	29.48	100.30	65.79	12.40	318.85
				615.8	2094.9	1374.1	3.78	114.26
19	0.8006	17.51	-0.05	29.51	100.30	65.76	12.41	318.62
				616.3	2094.9	1373.4	3.78	113.85
20	0.8001	19.58	-0.01	29.48	100.30	65.79	12.39	319.09
				615.8	2094.9	1374.1	3.78	114.69
21	0.8006	-2.03	-0.01	29.51	100.30	65.76	12.43	318.25
				616.3	2094.9	1373.4	3.79	113.18

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 57 CONFIG 6 DHORZ(deg) OFF

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.32493	0.07407	-0.14117	0.00105	0.00049	0.00082
2	-0.27228	0.05882	-0.12622	0.00354	0.00166	0.00084
3	-0.19985	0.04393	-0.10816	0.00533	0.00154	0.00061
4	-0.11265	0.03378	-0.09943	0.00759	-0.00066	0.00016
5	-0.00494	0.02854	-0.09299	0.00673	-0.00124	0.00023
6	0.12384	0.02763	-0.08581	0.00745	-0.00091	0.00030
7	0.25773	0.03144	-0.07534	0.00722	-0.00125	0.00035
8	0.38638	0.03933	-0.06647	0.00793	-0.00135	0.00036
9	0.49320	0.05438	-0.04710	0.00850	-0.00148	-0.00021
10	0.53461	0.06737	-0.03119	0.01005	-0.00110	-0.00120
11	0.57172	0.08550	-0.01708	0.00679	-0.00088	0.00003
12	0.59727	0.10073	-0.00842	0.00715	-0.00054	0.00037
13	0.65748	0.12319	-0.00062	0.01014	0.00010	-0.00068
14	0.69135	0.14472	0.00323	0.01136	-0.00208	-0.00027
15	0.67971	0.16242	0.00899	0.00646	-0.00090	0.00166
16	0.68788	0.20027	0.01402	0.01153	-0.00680	-0.00483
17	0.78712	0.25388	0.01089	0.01055	0.00409	-0.00489
18	0.81263	0.30166	0.01479	0.00505	-0.00894	-0.00010
19	0.85372	0.35670	0.02033	0.00788	-0.00293	0.00054
20	0.88353	0.40872	0.02681	0.00742	-0.00037	-0.00094
21	-0.00018	0.02841	-0.09183	0.00492	-0.00127	0.00024

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 58 CONFIG 6 DHORZ(deg) OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8203	-6.60	-0.01	30.37	100.30	64.48	12.54	319.17
				634.3	2094.9	1346.6	3.82	114.83
2	0.8205	-5.45	-0.02	30.37	100.27	64.44	12.52	319.35
				634.3	2094.2	1345.9	3.82	115.16
3	0.8224	-4.21	-0.02	30.46	100.30	64.34	12.54	319.43
				636.2	2094.9	1343.7	3.82	115.30
4	0.8214	-3.07	-0.02	30.42	100.30	64.40	12.53	319.44
				635.3	2094.9	1345.1	3.82	115.33
5	0.8201	-1.96	-0.02	30.37	100.34	64.51	12.50	319.89
				634.3	2095.6	1347.3	3.81	116.14
6	0.8198	-0.84	-0.02	30.35	100.30	64.51	12.54	318.92
				633.8	2094.9	1347.3	3.82	114.39
7	0.8198	0.53	-0.02	30.35	100.30	64.51	12.51	319.58
				633.8	2094.9	1347.3	3.81	115.57
8	0.8193	1.78	-0.02	30.32	100.30	64.54	12.52	319.28
				633.3	2094.9	1348.0	3.82	115.03
9	0.8230	2.67	-0.02	30.49	100.30	64.30	12.53	319.74
				636.7	2094.9	1343.0	3.82	115.87
10	0.8214	3.79	-0.02	30.42	100.30	64.40	12.49	320.23
				635.3	2094.9	1345.1	3.81	116.75
11	0.8198	4.98	-0.02	30.35	100.30	64.51	12.50	319.71
				633.8	2094.9	1347.3	3.81	115.80
12	0.8203	5.93	-0.02	30.37	100.30	64.48	12.51	319.62
				634.3	2094.9	1346.6	3.81	115.64
13	0.8193	7.02	-0.02	30.32	100.30	64.54	12.51	319.47
				633.3	2094.9	1348.0	3.81	115.37
14	0.8198	8.15	-0.02	30.35	100.30	64.51	12.49	320.03
				633.8	2094.9	1347.3	3.81	116.38
15	0.8203	9.19	-0.02	30.37	100.30	64.48	12.50	319.80
				634.3	2094.9	1346.6	3.81	115.97
16	0.8203	11.17	-0.04	30.37	100.30	64.48	12.50	319.88
				634.3	2094.9	1346.6	3.81	116.11
17	0.8198	13.46	0.04	30.35	100.30	64.51	12.51	319.69
				633.8	2094.9	1347.3	3.81	115.77
18	0.8216	15.47	-0.09	30.41	100.27	64.37	12.50	319.99
				635.2	2094.2	1344.4	3.81	116.31
19	0.8203	17.52	-0.02	30.37	100.30	64.48	12.47	320.42
				634.3	2094.9	1346.6	3.80	117.08
20	0.8214	19.74	0.00	30.42	100.30	64.40	12.48	320.51
				635.3	2094.9	1345.1	3.80	117.25
21	0.8205	-2.12	-0.01	30.37	100.27	64.44	12.52	319.35
				634.3	2094.2	1345.9	3.82	115.16

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 58 CONFIG 6 DHORZ(deg) OFF

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.28917	0.07805	-0.14900	0.00021	0.00124	0.00115
2	-0.23566	0.06307	-0.13163	0.00265	0.00264	0.00105
3	-0.16700	0.04947	-0.11070	0.00552	0.00209	0.00053
4	-0.10159	0.03921	-0.09175	0.00700	0.00081	0.00035
5	-0.00464	0.03284	-0.08182	0.00645	-0.00107	0.00035
6	0.11600	0.03118	-0.07488	0.00728	-0.00174	0.00037
7	0.26363	0.03494	-0.06967	0.00713	-0.00163	0.00034
8	0.38036	0.04456	-0.06047	0.00661	-0.00101	0.00033
9	0.42518	0.05577	-0.04665	0.00852	-0.00165	-0.00019
10	0.48712	0.07030	-0.03064	0.00986	-0.00097	-0.00097
11	0.53289	0.08733	-0.01661	0.00821	-0.00090	0.00006
12	0.56784	0.10250	-0.00691	0.00749	-0.00071	0.00038
13	0.62222	0.12230	-0.00062	0.00870	0.00024	-0.00053
14	0.68474	0.14745	0.00355	0.01053	-0.00082	-0.00067
15	0.67655	0.16616	0.00965	0.00651	0.00023	0.00034
16	0.68390	0.20329	0.01285	0.01074	-0.00733	-0.00383
17	0.80518	0.26169	0.00756	0.01064	0.00419	-0.00462
18	0.82554	0.30942	0.01253	0.00445	-0.00962	-0.00027
19	0.84806	0.35813	0.02142	0.00827	-0.00062	-0.00036
20	0.90271	0.42123	0.02726	0.00639	-0.00001	-0.00117
21	-0.02387	0.03389	-0.08193	0.00259	-0.00086	0.00039

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 59 CONFIG 6 DHORZ(deg) OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8516	-6.48	-0.01	31.70	100.30	62.44	12.64	321.39
				662.0	2094.9	1304.1	3.85	118.83
2	0.8523	-5.44	-0.02	31.71	100.27	62.37	12.63	321.58
				662.3	2094.2	1302.7	3.85	119.17
3	0.8526	-4.35	-0.02	31.74	100.30	62.37	12.64	321.48
				662.8	2094.9	1302.7	3.85	119.00
4	0.8531	-3.24	-0.02	31.76	100.30	62.34	12.66	321.09
				663.3	2094.9	1302.0	3.86	118.29
5	0.8516	-2.06	-0.02	31.70	100.30	62.44	12.62	321.65
				662.0	2094.9	1304.1	3.85	119.30
6	0.8526	-0.99	-0.02	31.74	100.30	62.37	12.67	320.96
				662.8	2094.9	1302.7	3.86	118.06
7	0.8523	0.28	-0.02	31.71	100.27	62.37	12.62	321.78
				662.3	2094.2	1302.7	3.85	119.54
8	0.8526	1.40	-0.02	31.74	100.30	62.37	12.67	320.79
				662.8	2094.9	1302.7	3.86	117.76
9	0.8517	2.63	-0.02	31.69	100.27	62.41	12.64	321.33
				661.9	2094.2	1303.4	3.85	118.73
10	0.8533	3.68	-0.02	31.75	100.27	62.31	12.67	320.96
				663.2	2094.2	1301.3	3.86	118.06
11	0.8526	4.81	-0.02	31.74	100.30	62.37	12.63	321.58
				662.8	2094.9	1302.7	3.85	119.17
12	0.8511	5.99	-0.02	31.67	100.30	62.47	12.62	321.65
				661.5	2094.9	1304.7	3.85	119.30
13	0.8517	7.26	-0.02	31.69	100.27	62.41	12.62	321.58
				661.9	2094.2	1303.4	3.85	119.17
14	0.8521	8.32	-0.02	31.72	100.30	62.41	12.65	321.26
				662.4	2094.9	1303.4	3.86	118.60
15	0.8511	9.21	-0.04	31.67	100.30	62.47	12.63	321.48
				661.5	2094.9	1304.7	3.85	119.00
16	0.8528	11.32	-0.04	31.74	100.27	62.34	12.59	322.46
				662.8	2094.2	1302.0	3.84	120.75
17	0.8523	13.62	0.05	31.71	100.27	62.37	12.60	322.25
				662.3	2094.2	1302.7	3.84	120.38
18	0.8492	15.73	-0.10	31.59	100.27	62.57	12.58	322.16
				659.7	2094.2	1306.8	3.83	120.21
19	0.8536	17.73	-0.04	31.78	100.30	62.31	12.58	322.88
				663.7	2094.9	1301.3	3.83	121.52
20	0.8528	19.91	0.04	31.74	100.27	62.34	12.54	323.44
				662.8	2094.2	1302.0	3.82	122.53
21	0.8507	-2.10	-0.01	31.65	100.27	62.47	12.59	322.16
				661.0	2094.2	1304.7	3.84	120.21

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 59 CONFIG 6 DHORZ(deg) OFF

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.27279	0.08825	-0.14884	-0.00107	0.00186	0.00115
2	-0.21500	0.07438	-0.13388	0.00174	0.00269	0.00079
3	-0.16246	0.06230	-0.11378	0.00488	0.00166	0.00041
4	-0.10748	0.05277	-0.09231	0.00567	0.00049	0.00042
5	-0.03703	0.04564	-0.06705	0.00465	-0.00002	0.00047
6	0.03613	0.04433	-0.04443	0.00528	-0.00121	0.00041
7	0.13018	0.04501	-0.02945	0.00547	-0.00169	0.00041
8	0.21580	0.05101	-0.02014	0.00536	-0.00135	0.00063
9	0.30403	0.06256	-0.01041	0.00613	-0.00148	-0.00007
10	0.36907	0.07536	-0.00296	0.00856	-0.00105	-0.00088
11	0.43764	0.08955	0.00142	0.00697	-0.00078	-0.00007
12	0.50847	0.10709	0.00412	0.00570	-0.00005	0.00030
13	0.58788	0.13119	0.00853	0.00773	0.00042	-0.00047
14	0.66607	0.15479	0.00824	0.01012	0.00016	-0.00088
15	0.67930	0.17214	0.01108	0.01028	-0.00267	-0.00029
16	0.70205	0.21504	0.00657	0.01018	-0.00490	-0.00173
17	0.83715	0.27703	-0.00193	0.01186	0.00506	-0.00512
18	0.84503	0.32422	0.00862	0.00366	-0.01074	0.00008
19	0.87249	0.37515	0.01782	0.00962	-0.00199	-0.00038
20	0.93601	0.44075	0.03258	0.00300	0.00068	-0.00369
21	-0.03878	0.04582	-0.06788	0.00106	0.00001	0.00047

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 60 CONFIG 6 DHORZ(deg) OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8998	-6.64	-0.02	33.61	100.27	59.29	12.77	324.44
				701.9	2094.2	1238.4	3.89	124.32
2	0.9024	-5.45	-0.01	33.70	100.27	59.13	12.72	325.56
				703.9	2094.2	1235.0	3.88	126.34
3	0.9013	-4.20	-0.02	33.66	100.27	59.20	12.76	324.85
				703.1	2094.2	1236.4	3.89	125.06
4	0.8993	-3.24	-0.02	33.59	100.27	59.33	12.71	325.45
				701.5	2094.2	1239.1	3.88	126.14
5	0.9000	-2.11	-0.01	33.61	100.24	59.26	12.71	325.59
				701.9	2093.5	1237.7	3.87	126.40
6	0.8993	-0.89	-0.01	33.59	100.27	59.33	12.70	325.71
				701.5	2094.2	1239.1	3.87	126.61
7	0.9000	0.10	-0.01	33.61	100.24	59.26	12.72	325.37
				701.9	2093.5	1237.7	3.88	126.00
8	0.9011	1.37	-0.01	33.65	100.24	59.20	12.73	325.22
				702.7	2093.5	1236.4	3.88	125.73
9	0.9003	2.54	-0.01	33.63	100.27	59.26	12.70	325.82
				702.3	2094.2	1237.7	3.87	126.81
10	0.8995	3.74	-0.01	33.59	100.24	59.29	12.73	325.07
				701.5	2093.5	1238.4	3.88	125.46
11	0.9003	4.71	-0.01	33.63	100.27	59.26	12.69	326.03
				702.3	2094.2	1237.7	3.87	127.18
12	0.8998	5.91	-0.01	33.61	100.27	59.29	12.75	324.85
				701.9	2094.2	1238.4	3.88	125.06
13	0.8990	7.02	-0.01	33.57	100.24	59.33	12.72	325.21
				701.1	2093.5	1239.1	3.88	125.70
14	0.9000	8.35	-0.01	33.61	100.24	59.26	12.72	325.28
				701.9	2093.5	1237.7	3.88	125.83
15	0.8995	9.44	0.00	33.59	100.24	59.29	12.68	326.10
				701.5	2093.5	1238.4	3.86	127.31
16	0.9000	11.48	-0.04	33.61	100.24	59.26	12.67	326.29
				701.9	2093.5	1237.7	3.86	127.65
17	0.9005	13.72	-0.05	33.63	100.24	59.23	12.65	326.68
				702.3	2093.5	1237.0	3.86	128.36
18	0.8993	15.87	-0.08	33.59	100.27	59.33	12.64	326.92
				701.5	2094.2	1239.1	3.85	128.79
19	0.8995	17.98	-0.10	33.59	100.24	59.29	12.66	326.51
				701.5	2093.5	1238.4	3.86	128.05
20	0.9016	-2.15	0.00	33.66	100.24	59.17	12.64	327.09
				703.1	2093.5	1235.7	3.85	129.10

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 60 CONFIG 6 DHORZ(deg) OFF

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.35239	0.11644	-0.12272	-0.00050	0.00240	0.00105
2	-0.27536	0.10327	-0.10976	0.00167	0.00153	0.00047
3	-0.19191	0.08721	-0.09475	0.00329	0.00097	0.00059
4	-0.14714	0.07864	-0.07356	0.00358	0.00064	0.00048
5	-0.10302	0.07351	-0.03964	0.00388	-0.00001	0.00022
6	-0.04821	0.07247	-0.00243	0.00376	-0.00216	0.00018
7	0.01120	0.07545	0.01763	0.00261	-0.00040	0.00065
8	0.11434	0.08039	0.02507	0.00182	0.00083	0.00067
9	0.19701	0.08652	0.03579	0.00272	0.00054	0.00040
10	0.27651	0.09656	0.04322	0.00600	0.00114	-0.00079
11	0.33685	0.10644	0.05135	0.00538	0.00115	-0.00031
12	0.40882	0.12148	0.05313	0.00191	0.00145	0.00086
13	0.48451	0.13857	0.05016	0.00398	0.00107	0.00064
14	0.63501	0.17165	0.02543	0.00508	0.00113	-0.00005
15	0.75012	0.20154	0.00875	0.00721	0.00234	-0.00083
16	0.76323	0.24256	0.00576	0.00678	-0.00283	-0.00026
17	0.85499	0.30258	0.00699	0.01124	-0.00231	-0.00020
18	0.89637	0.35376	0.00735	-0.00626	-0.00915	0.00109
19	0.93835	0.41293	0.01711	0.01523	-0.00506	0.00061
20	-0.10572	0.07540	-0.03876	0.00064	-0.00043	0.00030

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
61	6	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.7809	1.79	-0.02	28.61	100.27	67.03	12.35	316.83
				597.6	2094.2	1399.9	3.76	110.62
4	0.7788	3.10	-0.02	28.52	100.27	67.16	12.30	317.37
				595.6	2094.2	1402.7	3.75	111.60
5	0.7799	4.06	-0.02	28.57	100.27	67.09	12.27	318.14
				596.6	2094.2	1401.3	3.74	112.98
6	0.7814	4.04	-0.02	28.64	100.27	66.99	12.29	317.99
				598.1	2094.2	1399.1	3.75	112.71
7	0.7766	5.14	-0.02	28.42	100.30	67.33	12.24	318.29
				593.6	2094.9	1406.3	3.73	113.25
8	0.7793	8.44	-0.02	28.54	100.27	67.13	12.28	317.86
				596.1	2094.2	1402.0	3.74	112.47

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 61 CONFIG 6 DHORZ(deg) OFF

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
3	0.40389	0.03925	-0.06216	0.00597	-0.00139	0.00016
4	0.54684	0.05365	-0.04518	0.00916	-0.00163	-0.00032
5	0.58712	0.06841	-0.03007	0.01054	-0.00086	-0.00098
6	0.58343	0.06798	-0.03000	0.01016	-0.00101	-0.00098
7	0.63349	0.08459	-0.01603	0.00584	-0.00035	0.00020
8	0.69673	0.14701	0.00731	0.00673	-0.00099	0.00000

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 62 CONFIG 6 DHORZ(deg) OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7809	1.89	-0.02	28.61	100.27	67.03	12.33	317.22
				597.6	2094.2	1399.9	3.76	111.33
2	0.7788	3.09	-0.02	28.52	100.27	67.16	12.30	317.33
				595.6	2094.2	1402.7	3.75	111.53
3	0.7788	6.03	-0.01	28.52	100.27	67.16	12.28	317.80
				595.6	2094.2	1402.7	3.74	112.37

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 62 CONFIG 6 DHORZ(deg) OFF

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	0.41897	0.04010	-0.06043	0.00556	-0.00136	0.00047
2	0.54591	0.05395	-0.04516	0.00825	-0.00090	-0.00022
3	0.66627	0.10138	-0.00894	0.00594	0.00053	0.00020

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 63 CONFIG 2 DHORZ(deg) OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
17	0.6000	-6.46	-0.01	19.87	100.58	78.85	11.28	300.09
				415.0	2100.6	1646.8	3.44	80.50
18	0.5996	-5.28	-0.01	19.84	100.54	78.85	11.25	300.58
				414.4	2099.9	1646.8	3.43	81.38
19	0.6006	-4.23	-0.01	19.90	100.58	78.82	11.26	300.67
				415.6	2100.6	1646.1	3.43	81.54
20	0.6007	-2.98	-0.01	19.90	100.54	78.78	11.24	301.03
				415.6	2099.9	1645.4	3.43	82.18
21	0.6011	-2.01	-0.01	19.93	100.58	78.78	11.25	301.11
				416.2	2100.6	1645.4	3.43	82.32
22	0.6000	-0.83	-0.01	19.87	100.58	78.85	11.23	301.29
				415.0	2100.6	1646.8	3.42	82.65
23	0.5997	0.26	-0.01	19.84	100.51	78.82	11.19	301.70
				414.4	2099.2	1646.1	3.41	83.39
24	0.6011	1.43	-0.01	19.93	100.58	78.78	11.21	301.87
				416.2	2100.6	1645.4	3.42	83.70
25	0.6007	2.58	-0.01	19.90	100.54	78.78	11.20	302.02
				415.6	2099.9	1645.4	3.41	83.97
26	0.6011	3.60	-0.01	19.93	100.58	78.78	11.19	302.23
				416.2	2100.6	1645.4	3.41	84.34
27	0.6001	4.69	-0.01	19.87	100.54	78.82	11.16	302.56
				415.0	2099.9	1646.1	3.40	84.94
28	0.6006	5.82	-0.01	19.90	100.58	78.82	11.19	302.24
				415.6	2100.6	1646.1	3.41	84.37
29	0.6004	7.04	-0.01	19.90	100.61	78.85	11.17	302.56
				415.6	2101.3	1646.8	3.41	84.94
30	0.5985	7.89	-0.01	19.78	100.54	78.92	11.14	302.64
				413.2	2099.9	1648.3	3.39	85.08
31	0.6000	8.91	0.00	19.87	100.58	78.85	11.15	302.79
				415.0	2100.6	1646.8	3.40	85.35
32	0.5995	10.90	0.00	19.84	100.58	78.88	11.13	303.11
				414.4	2100.6	1647.5	3.39	85.92
33	0.6006	12.94	0.02	19.90	100.58	78.82	11.14	303.29
				415.6	2100.6	1646.1	3.39	86.26
34	0.6007	15.03	0.00	19.90	100.54	78.78	11.13	303.53
				415.6	2099.9	1645.4	3.39	86.69
35	0.5995	17.00	0.02	19.84	100.58	78.88	11.11	303.67
				414.4	2100.6	1647.5	3.38	86.93
36	0.5989	19.15	0.02	19.81	100.58	78.92	11.08	304.00
				413.8	2100.6	1648.3	3.38	87.53
37	0.6000	-1.99	-0.01	19.87	100.58	78.85	11.11	303.82
				415.0	2100.6	1646.8	3.38	87.20

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 63 CONFIG 2 DHORZ(deg) OFF

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
17	-0.35752	0.03929	-0.11636	0.00288	0.00075	0.00059
18	-0.25305	0.03163	-0.10741	0.00363	0.00123	0.00070
19	-0.16395	0.02741	-0.10058	0.00362	0.00124	0.00059
20	-0.05359	0.02452	-0.09133	0.00424	0.00137	0.00049
21	0.03035	0.02445	-0.08389	0.00440	0.00128	0.00048
22	0.13434	0.02579	-0.07292	0.00599	0.00117	0.00028
23	0.23114	0.02876	-0.06291	0.00390	0.00197	0.00047
24	0.33940	0.03337	-0.04982	0.00505	0.00148	0.00052
25	0.43323	0.03964	-0.03878	0.00506	0.00152	0.00015
26	0.51612	0.04657	-0.02571	0.00441	0.00088	-0.00004
27	0.60573	0.05525	-0.00712	0.00609	0.00114	-0.00027
28	0.69353	0.06871	0.01104	0.00609	0.00112	-0.00054
29	0.76865	0.08874	0.02564	0.00684	0.00047	-0.00079
30	0.78503	0.11048	0.03005	0.00856	-0.00119	-0.00142
31	0.77826	0.13677	0.02738	0.00822	0.00120	-0.00116
32	0.74662	0.18423	0.02801	0.00554	0.00152	-0.00005
33	0.71071	0.22028	0.04406	0.00455	0.00393	-0.00113
34	0.70345	0.25876	0.04447	0.00519	0.00244	0.00145
35	0.75903	0.30907	0.03929	0.00514	0.00362	-0.00066
36	0.81763	0.36585	0.04022	0.00277	0.00262	-0.00138
37	0.03693	0.02464	-0.08327	0.00556	0.00008	0.00034

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 64 CONFIG 2 DHORZ(deg) OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7002	-6.36	-0.01	24.85	100.44	72.39	11.98	309.56
				519.0	2097.8	1512.0	3.65	97.53
2	0.6986	-5.32	-0.02	24.77	100.44	72.50	11.93	310.19
				517.3	2097.8	1514.1	3.64	98.67
3	0.7026	-4.15	-0.02	24.98	100.51	72.29	11.97	310.54
				521.7	2099.2	1509.8	3.65	99.31
4	0.7017	-3.02	-0.01	24.93	100.48	72.33	11.95	310.68
				520.6	2098.5	1510.6	3.64	99.55
5	0.7011	-1.94	-0.01	24.90	100.48	72.36	11.94	310.62
				520.1	2098.5	1511.3	3.64	99.45
6	0.7017	-0.83	-0.02	24.93	100.48	72.33	11.94	310.75
				520.6	2098.5	1510.6	3.64	99.68
7	0.7022	0.30	-0.01	24.95	100.48	72.29	11.96	310.57
				521.1	2098.5	1509.8	3.64	99.35
8	0.7008	1.61	-0.01	24.87	100.44	72.36	11.91	311.20
				519.5	2097.8	1511.3	3.63	100.49
9	0.7010	2.76	-0.01	24.90	100.51	72.39	11.93	310.94
				520.1	2099.2	1512.0	3.64	100.02
10	0.7026	3.85	-0.01	24.98	100.51	72.29	11.96	310.66
				521.7	2099.2	1509.8	3.64	99.51
11	0.7026	4.93	0.00	24.98	100.51	72.29	11.95	310.96
				521.7	2099.2	1509.8	3.64	100.05
12	0.7017	6.11	0.00	24.93	100.48	72.33	11.93	310.94
				520.6	2098.5	1510.6	3.64	100.02
13	0.7022	7.17	-0.01	24.95	100.48	72.29	11.93	311.05
				521.1	2098.5	1509.8	3.64	100.22
14	0.7022	8.13	-0.01	24.95	100.48	72.29	11.93	311.20
				521.1	2098.5	1509.8	3.63	100.49
15	0.7006	9.19	0.01	24.87	100.48	72.39	11.93	310.83
				519.5	2098.5	1512.0	3.63	99.82
16	0.7001	11.11	0.00	24.85	100.48	72.43	11.90	311.18
				519.0	2098.5	1512.7	3.63	100.46
17	0.7026	13.21	0.09	24.98	100.51	72.29	11.93	311.31
				521.7	2099.2	1509.8	3.63	100.69
18	0.7011	15.17	0.01	24.90	100.48	72.36	11.90	311.54
				520.1	2098.5	1511.3	3.63	101.10
19	0.7010	17.32	0.01	24.90	100.51	72.39	11.90	311.54
				520.1	2099.2	1512.0	3.63	101.10
20	0.7005	19.47	0.01	24.87	100.51	72.43	11.89	311.69
				519.5	2099.2	1512.7	3.62	101.37
21	0.7005	-1.90	-0.01	24.87	100.51	72.43	11.91	311.31
				519.5	2099.2	1512.7	3.63	100.69

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 64 CONFIG 2 DHORZ(deg) OFF

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.39267	0.04429	-0.12078	0.00559	0.00016	0.00037
2	-0.29832	0.03469	-0.11099	0.00496	0.00048	0.00065
3	-0.18494	0.02878	-0.10127	0.00535	0.00123	0.00048
4	-0.08095	0.02549	-0.09203	0.00564	0.00066	0.00036
5	0.01147	0.02485	-0.08410	0.00571	0.00050	0.00034
6	0.12230	0.02689	-0.07467	0.00603	0.00117	0.00037
7	0.22920	0.03016	-0.06487	0.00464	0.00116	0.00037
8	0.35975	0.03630	-0.04930	0.00461	0.00085	0.00044
9	0.45690	0.04393	-0.03426	0.00481	0.00150	0.00035
10	0.55681	0.05509	-0.01772	0.00569	0.00165	-0.00008
11	0.65240	0.07015	-0.00234	0.00489	0.00269	-0.00022
12	0.71959	0.09016	0.01276	0.00373	0.00265	0.00030
13	0.73093	0.11311	0.01434	0.00875	0.00077	-0.00080
14	0.72777	0.13528	0.01020	0.00728	0.00126	-0.00068
15	0.73553	0.15825	0.01223	0.00527	0.00527	-0.00054
16	0.68950	0.19188	0.02449	-0.00011	0.00547	0.00338
17	0.70077	0.23214	0.03042	0.00260	0.01422	-0.00123
18	0.72076	0.27335	0.03587	0.00632	0.00285	-0.00001
19	0.78716	0.32953	0.03493	0.00722	0.00334	-0.00031
20	0.84056	0.38678	0.03575	0.00606	0.00172	-0.00066
21	0.01565	0.02487	-0.08466	0.00259	0.00137	0.00065

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 65 CONFIG 2 DHORZ(deg) OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7502	-6.65	-0.01	27.24	100.44	69.14	12.30	312.92
				569.0	2097.8	1444.1	3.75	103.59
2	0.7527	-5.47	-0.01	27.37	100.48	69.01	12.28	313.71
				571.6	2098.5	1441.2	3.74	105.00
3	0.7525	-4.38	-0.02	27.37	100.51	69.04	12.29	313.57
				571.6	2099.2	1442.0	3.75	104.76
4	0.7510	-3.12	-0.02	27.30	100.51	69.14	12.30	313.09
				570.1	2099.2	1444.1	3.75	103.89
5	0.7525	-2.06	-0.01	27.37	100.51	69.04	12.29	313.56
				571.6	2099.2	1442.0	3.75	104.73
6	0.7522	-0.65	-0.01	27.34	100.48	69.04	12.27	313.80
				571.1	2098.5	1442.0	3.74	105.17
7	0.7520	0.31	-0.01	27.34	100.51	69.08	12.27	313.93
				571.1	2099.2	1442.7	3.74	105.40
8	0.7516	1.52	-0.01	27.32	100.48	69.08	12.29	313.37
				570.5	2098.5	1442.7	3.75	104.39
9	0.7530	2.77	-0.01	27.39	100.51	69.01	12.28	313.86
				572.1	2099.2	1441.2	3.74	105.27
10	0.7530	4.09	0.00	27.39	100.51	69.01	12.24	314.72
				572.1	2099.2	1441.2	3.73	106.82
11	0.7515	5.04	0.00	27.32	100.51	69.11	12.25	314.27
				570.6	2099.2	1443.4	3.73	106.01
12	0.7511	5.99	0.00	27.29	100.48	69.11	12.27	313.63
				570.0	2098.5	1443.4	3.74	104.87
13	0.7510	7.23	-0.01	27.30	100.51	69.14	12.25	314.13
				570.1	2099.2	1444.1	3.73	105.77
14	0.7524	8.08	-0.01	27.37	100.54	69.08	12.27	314.13
				571.6	2099.9	1442.7	3.74	105.77
15	0.7515	9.08	0.00	27.32	100.51	69.11	12.24	314.36
				570.6	2099.2	1443.4	3.73	106.18
16	0.7504	11.09	0.03	27.27	100.51	69.18	12.27	313.67
				569.6	2099.2	1444.8	3.74	104.93
17	0.7516	13.18	0.07	27.32	100.48	69.08	12.25	314.17
				570.5	2098.5	1442.7	3.73	105.84
18	0.7511	14.27	0.04	27.29	100.48	69.11	12.24	314.36
				570.0	2098.5	1443.4	3.73	106.18
19	0.7511	15.25	0.02	27.29	100.48	69.11	12.23	314.47
				570.0	2098.5	1443.4	3.73	106.38
20	0.7490	17.34	0.00	27.20	100.48	69.24	12.20	314.72
				568.0	2098.5	1446.2	3.72	106.82
21	0.7527	19.57	0.01	27.37	100.48	69.01	12.25	314.43
				571.6	2098.5	1441.2	3.73	106.31
22	0.7527	-2.05	-0.01	27.37	100.48	69.01	12.23	314.73
				571.6	2098.5	1441.2	3.73	106.85

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 65 CONFIG 2 DHORZ(deg) OFF

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.40646	0.05803	-0.12114	0.00221	-0.00006	0.00094
2	-0.32790	0.04222	-0.10875	0.00350	0.00043	0.00065
3	-0.23056	0.03216	-0.10069	0.00443	0.00127	0.00068
4	-0.09632	0.02717	-0.09159	0.00538	0.00097	0.00049
5	-0.00424	0.02621	-0.08293	0.00400	0.00157	0.00053
6	0.14271	0.02792	-0.07085	0.00498	0.00188	0.00043
7	0.24245	0.03088	-0.06108	0.00453	0.00176	0.00052
8	0.36518	0.03731	-0.04811	0.00378	0.00097	0.00049
9	0.48493	0.04866	-0.03247	0.00315	0.00287	0.00030
10	0.60698	0.06763	-0.01507	0.00518	0.00297	-0.00035
11	0.62924	0.08221	-0.00275	0.00276	0.00336	0.00070
12	0.65801	0.09827	0.00188	0.00413	0.00286	0.00036
13	0.69122	0.12273	0.00460	0.00898	0.00139	-0.00077
14	0.69023	0.13949	0.00705	0.00706	0.00156	-0.00046
15	0.69388	0.15886	0.01205	0.00590	0.00327	-0.00049
16	0.66942	0.19467	0.02518	0.00006	0.00787	0.00215
17	0.70889	0.23844	0.02652	0.00389	0.01187	-0.00077
18	0.72644	0.26404	0.02949	0.00767	0.00581	-0.00169
19	0.75268	0.28713	0.03094	0.00868	0.00452	-0.00128
20	0.80152	0.33875	0.03200	0.00877	0.00214	-0.00012
21	0.86312	0.40186	0.03222	0.00765	0.00194	-0.00055
22	-0.00211	0.02566	-0.08193	0.00178	0.00089	0.00055

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 66 CONFIG 2 DHORZ(deg) OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7804	-6.62	-0.01	28.65	100.48	67.20	12.43	315.43
				598.3	2098.5	1403.4	3.79	108.10
2	0.7794	-5.54	-0.02	28.60	100.48	67.26	12.41	315.74
				597.3	2098.5	1404.8	3.78	108.67
3	0.7794	-5.54	-0.01	28.60	100.48	67.26	12.44	315.17
				597.3	2098.5	1404.8	3.79	107.63
4	0.7783	-4.44	-0.02	28.55	100.48	67.33	12.42	315.43
				596.3	2098.5	1406.3	3.79	108.10
5	0.7783	-3.09	-0.01	28.55	100.48	67.33	12.42	315.33
				596.3	2098.5	1406.3	3.79	107.93
6	0.7814	-2.06	-0.02	28.69	100.48	67.13	12.41	316.14
				599.3	2098.5	1402.0	3.78	109.38
7	0.7814	-0.85	-0.02	28.69	100.48	67.13	12.44	315.46
				599.3	2098.5	1402.0	3.79	108.16
8	0.7813	0.42	-0.02	28.69	100.51	67.16	12.44	315.63
				599.3	2099.2	1402.7	3.79	108.47
9	0.7797	1.64	-0.01	28.62	100.51	67.26	12.44	315.35
				597.8	2099.2	1404.8	3.79	107.96
10	0.7821	2.78	-0.01	28.71	100.44	67.06	12.42	315.91
				599.7	2097.8	1400.6	3.79	108.97
11	0.7835	3.88	-0.01	28.79	100.48	66.99	12.46	315.50
				601.3	2098.5	1399.1	3.80	108.23
12	0.7825	4.93	0.00	28.74	100.48	67.06	12.42	316.06
				600.3	2098.5	1400.5	3.79	109.24
13	0.7809	6.05	0.00	28.67	100.48	67.16	12.42	315.84
				598.8	2098.5	1402.7	3.79	108.84
14	0.7804	7.10	0.00	28.65	100.48	67.20	12.40	316.02
				598.3	2098.5	1403.4	3.78	109.17
15	0.7804	8.04	-0.01	28.65	100.48	67.20	12.39	316.43
				598.3	2098.5	1403.4	3.78	109.91
16	0.7802	9.13	0.00	28.65	100.51	67.23	12.43	315.61
				598.3	2099.2	1404.1	3.79	108.43
17	0.7788	11.08	0.04	28.57	100.48	67.30	12.38	316.21
				596.8	2098.5	1405.5	3.77	109.51
18	0.7797	13.34	0.05	28.62	100.51	67.26	12.41	315.95
				597.8	2099.2	1404.8	3.78	109.04
19	0.7795	15.33	0.06	28.60	100.44	67.23	12.38	316.36
				597.3	2097.8	1404.1	3.77	109.78
20	0.7785	17.49	0.00	28.55	100.44	67.30	12.34	317.03
				596.3	2097.8	1405.6	3.76	110.99
21	0.7788	19.60	0.01	28.57	100.48	67.30	12.37	316.53
				596.8	2098.5	1405.5	3.77	110.08
22	0.7816	-2.10	-0.01	28.69	100.44	67.09	12.40	316.17
				599.2	2097.8	1401.3	3.78	109.44

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 66 CONFIG 2 DHORZ(deg) OFF

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.37290	0.06307	-0.11995	0.00043	0.00074	0.00094
2	-0.31002	0.04907	-0.10592	0.00331	0.00112	0.00069
3	-0.31019	0.04892	-0.10552	0.00329	0.00069	0.00065
4	-0.24582	0.03734	-0.09559	0.00572	0.00017	0.00059
5	-0.10916	0.02876	-0.08604	0.00466	-0.00001	0.00051
6	-0.00858	0.02694	-0.07859	0.00417	0.00129	0.00067
7	0.12237	0.02780	-0.06881	0.00549	0.00136	0.00057
8	0.25164	0.03183	-0.05862	0.00525	0.00102	0.00048
9	0.37861	0.03987	-0.04784	0.00314	0.00225	0.00079
10	0.50499	0.05377	-0.03617	0.00511	0.00167	0.00032
11	0.54066	0.06951	-0.01992	0.00533	0.00303	-0.00034
12	0.56948	0.08482	-0.00737	0.00212	0.00311	0.00072
13	0.61403	0.10361	-0.00059	0.00425	0.00309	0.00032
14	0.66090	0.12457	0.00234	0.00756	0.00268	-0.00069
15	0.67082	0.14268	0.00733	0.00819	0.00048	-0.00054
16	0.68554	0.16325	0.01189	0.00762	0.00243	-0.00090
17	0.66064	0.19573	0.02321	0.00389	0.00809	0.00016
18	0.73056	0.24831	0.02227	0.00504	0.00854	-0.00032
19	0.79208	0.29982	0.02317	0.00646	0.00816	-0.00180
20	0.82326	0.35136	0.02907	0.00830	0.00205	-0.00036
21	0.87322	0.40881	0.02991	0.00720	0.00181	-0.00094
22	-0.01318	0.02649	-0.07861	0.00354	0.00064	0.00058

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 67 CONFIG 2 DHORZ(deg) OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8008	-6.60	-0.01	29.57	100.48	65.86	12.52	316.96
				617.5	2098.5	1375.5	3.82	110.86
2	0.7982	-5.48	-0.02	29.45	100.48	66.03	12.48	317.41
				615.0	2098.5	1379.1	3.80	111.66
3	0.8003	-4.21	-0.02	29.54	100.48	65.90	12.51	317.02
				617.0	2098.5	1376.3	3.81	110.96
4	0.8013	-3.30	-0.02	29.59	100.48	65.83	12.53	316.87
				617.9	2098.5	1374.8	3.82	110.69
5	0.8019	-2.08	-0.02	29.61	100.48	65.79	12.52	317.14
				618.4	2098.5	1374.1	3.82	111.19
6	0.8019	-0.81	-0.01	29.61	100.48	65.79	12.49	317.65
				618.4	2098.5	1374.1	3.81	112.10
7	0.8013	0.45	-0.02	29.59	100.48	65.83	12.53	316.92
				617.9	2098.5	1374.8	3.82	110.79
8	0.8003	1.53	-0.01	29.54	100.48	65.90	12.52	316.98
				617.0	2098.5	1376.3	3.82	110.89
9	0.8026	2.76	-0.01	29.63	100.44	65.72	12.55	316.66
				618.9	2097.8	1372.6	3.82	110.32
10	0.8013	3.87	-0.01	29.59	100.48	65.83	12.51	317.29
				617.9	2098.5	1374.8	3.81	111.46
11	0.8013	5.02	-0.01	29.59	100.48	65.83	12.50	317.37
				617.9	2098.5	1374.8	3.81	111.60
12	0.8006	6.10	0.00	29.57	100.51	65.89	12.49	317.69
				617.5	2099.2	1376.2	3.81	112.17
13	0.7999	7.12	0.00	29.51	100.44	65.90	12.47	317.69
				616.4	2097.8	1376.3	3.80	112.17
14	0.8008	8.05	0.00	29.57	100.48	65.86	12.48	317.71
				617.5	2098.5	1375.5	3.81	112.20
15	0.7997	9.12	-0.02	29.52	100.48	65.93	12.45	318.10
				616.5	2098.5	1377.0	3.80	112.91
16	0.7999	11.09	0.02	29.51	100.44	65.90	12.48	317.63
				616.4	2097.8	1376.3	3.80	112.07
17	0.8019	13.29	0.05	29.61	100.48	65.79	12.49	317.65
				618.4	2098.5	1374.1	3.81	112.10
18	0.7989	15.35	0.05	29.47	100.44	65.96	12.45	317.93
				615.4	2097.8	1377.7	3.80	112.61
19	0.7999	17.44	0.00	29.51	100.44	65.90	12.45	318.23
				616.4	2097.8	1376.3	3.79	113.14
20	0.7994	19.72	0.00	29.49	100.44	65.93	12.44	318.23
				615.9	2097.8	1377.0	3.79	113.14
21	0.8010	-2.14	-0.01	29.56	100.44	65.83	12.49	317.59
				617.4	2097.8	1374.8	3.81	112.00

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 67 CONFIG 2 DHORZ(deg) OFF

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.33498	0.06623	-0.12045	0.00101	0.00085	0.00086
2	-0.28850	0.05247	-0.10456	0.00457	0.00082	0.00046
3	-0.20824	0.04123	-0.08632	0.00546	0.00058	0.00049
4	-0.14338	0.03486	-0.07769	0.00563	0.00064	0.00052
5	-0.02330	0.02971	-0.07114	0.00462	0.00041	0.00061
6	0.11912	0.02885	-0.06456	0.00427	0.00116	0.00050
7	0.26526	0.03293	-0.05609	0.00555	0.00093	0.00060
8	0.37997	0.04152	-0.05102	0.00355	0.00209	0.00078
9	0.46349	0.05670	-0.03643	0.00447	0.00240	0.00035
10	0.50514	0.07243	-0.01910	0.00581	0.00265	-0.00029
11	0.54263	0.08901	-0.00666	0.00299	0.00264	0.00098
12	0.58652	0.10669	-0.00208	0.00351	0.00282	0.00033
13	0.64147	0.12728	0.00222	0.00513	0.00293	-0.00036
14	0.67009	0.14628	0.00609	0.00651	0.00251	-0.00070
15	0.68023	0.16373	0.01599	0.00752	-0.00282	-0.00130
16	0.66473	0.20053	0.02070	0.00325	0.00612	0.00037
17	0.73678	0.25164	0.02043	0.00368	0.00808	-0.00009
18	0.80336	0.30489	0.01965	0.00593	0.00693	-0.00099
19	0.83206	0.35571	0.02724	0.00763	0.00173	-0.00024
20	0.88642	0.41855	0.02918	0.00840	0.00135	-0.00088
21	-0.02878	0.02929	-0.07171	0.00087	0.00123	0.00091

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 68 CONFIG 2 DHORZ(deg) OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8222	-6.56	-0.01	30.49	100.44	64.44	12.58	318.81
				636.9	2097.8	1345.8	3.84	114.19
2	0.8206	-5.47	-0.02	30.42	100.44	64.54	12.58	318.73
				635.4	2097.8	1348.0	3.83	114.05
3	0.8206	-4.24	-0.02	30.42	100.44	64.54	12.56	319.03
				635.4	2097.8	1348.0	3.83	114.59
4	0.8217	-3.21	-0.02	30.47	100.44	64.47	12.58	318.79
				636.4	2097.8	1346.5	3.84	114.15
5	0.8204	-2.11	-0.02	30.43	100.48	64.58	12.58	318.79
				635.5	2098.5	1348.7	3.83	114.15
6	0.8206	-0.91	-0.02	30.42	100.44	64.54	12.59	318.43
				635.4	2097.8	1348.0	3.84	113.51
7	0.8212	0.41	-0.02	30.45	100.44	64.51	12.55	319.32
				635.9	2097.8	1347.3	3.83	115.10
8	0.8206	1.73	-0.01	30.42	100.44	64.54	12.58	318.73
				635.4	2097.8	1348.0	3.83	114.05
9	0.8222	2.85	-0.01	30.49	100.44	64.44	12.56	319.32
				636.9	2097.8	1345.8	3.83	115.10
10	0.8201	3.79	-0.01	30.40	100.44	64.58	12.57	318.87
				634.9	2097.8	1348.7	3.83	114.29
11	0.8212	4.89	-0.01	30.45	100.44	64.51	12.56	319.17
				635.9	2097.8	1347.3	3.83	114.83
12	0.8206	6.06	-0.01	30.42	100.44	64.54	12.55	319.28
				635.4	2097.8	1348.0	3.83	115.03
13	0.8196	7.14	-0.01	30.38	100.44	64.61	12.57	318.70
				634.5	2097.8	1349.4	3.83	113.99
14	0.8187	8.09	0.00	30.33	100.41	64.65	12.57	318.53
				633.5	2097.1	1350.2	3.83	113.68
15	0.8206	9.12	-0.02	30.42	100.44	64.54	12.56	319.09
				635.4	2097.8	1348.0	3.83	114.69
16	0.8192	11.21	0.02	30.35	100.41	64.61	12.56	318.85
				633.9	2097.1	1349.4	3.83	114.26
17	0.8203	13.39	0.05	30.40	100.41	64.54	12.56	318.98
				634.9	2097.1	1348.0	3.83	114.49
18	0.8190	15.42	0.05	30.36	100.44	64.65	12.57	318.72
				634.0	2097.8	1350.2	3.83	114.02
19	0.8224	17.62	0.00	30.49	100.41	64.40	12.54	319.54
				636.8	2097.1	1345.1	3.82	115.50
20	0.8203	19.75	0.01	30.40	100.41	64.54	12.52	319.80
				634.9	2097.1	1348.0	3.82	115.97
21	0.8203	-2.03	-0.01	30.40	100.41	64.54	12.54	319.37
				634.9	2097.1	1348.0	3.82	115.20

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 68 CONFIG 2 DHORZ(deg) OFF

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.29809	0.07034	-0.12895	0.00116	0.00022	0.00094
2	-0.24597	0.05721	-0.10849	0.00541	0.00053	0.00040
3	-0.18176	0.04620	-0.09207	0.00631	-0.00007	0.00031
4	-0.10539	0.03953	-0.07669	0.00613	-0.00004	0.00066
5	-0.02881	0.03411	-0.06290	0.00451	0.00092	0.00052
6	0.09756	0.03203	-0.05369	0.00342	0.00207	0.00073
7	0.24546	0.03614	-0.05245	0.00467	0.00136	0.00055
8	0.36952	0.04801	-0.04526	0.00320	0.00163	0.00057
9	0.41865	0.06162	-0.02877	0.00418	0.00235	0.00013
10	0.46243	0.07371	-0.01801	0.00700	0.00257	-0.00044
11	0.49968	0.08972	-0.00418	0.00297	0.00242	0.00096
12	0.54676	0.10771	0.00095	0.00466	0.00286	0.00031
13	0.60947	0.12793	0.00395	0.00807	0.00273	-0.00053
14	0.65041	0.14848	0.00701	0.00679	0.00355	-0.00071
15	0.66064	0.16694	0.01677	0.00772	-0.00323	-0.00153
16	0.67080	0.20614	0.01957	0.00459	0.00508	0.00028
17	0.74875	0.25821	0.01681	0.00603	0.00913	-0.00047
18	0.81348	0.31121	0.01626	0.00672	0.00669	-0.00090
19	0.84100	0.36562	0.02654	0.00706	0.00155	-0.00062
20	0.89865	0.42543	0.03085	0.00691	0.00182	-0.00089
21	-0.01930	0.03362	-0.06161	0.00269	0.00043	0.00070

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 69 CONFIG 2 DHORZ(deg) OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8505	-6.46	-0.02	31.68	100.41	62.57	12.67	320.81
				661.7	2097.1	1306.8	3.86	117.79
2	0.8500	-5.35	-0.02	31.66	100.41	62.60	12.70	320.12
				661.3	2097.1	1307.5	3.87	116.54
3	0.8510	-4.24	-0.02	31.70	100.41	62.54	12.70	320.32
				662.1	2097.1	1306.2	3.87	116.91
4	0.8505	-2.99	-0.02	31.68	100.41	62.57	12.67	320.88
				661.7	2097.1	1306.8	3.86	117.92
5	0.8505	-1.95	-0.02	31.68	100.41	62.57	12.68	320.61
				661.7	2097.1	1306.8	3.87	117.42
6	0.8500	-0.85	-0.02	31.66	100.41	62.60	12.66	321.06
				661.3	2097.1	1307.5	3.86	118.23
7	0.8495	0.38	-0.02	31.64	100.41	62.64	12.66	320.88
				660.8	2097.1	1308.2	3.86	117.92
8	0.8497	1.44	-0.01	31.64	100.37	62.60	12.66	320.81
				660.8	2096.3	1307.5	3.86	117.79
9	0.8495	2.51	-0.01	31.64	100.41	62.64	12.65	321.13
				660.8	2097.1	1308.2	3.86	118.36
10	0.8500	3.78	-0.01	31.66	100.41	62.60	12.67	320.81
				661.3	2097.1	1307.5	3.86	117.79
11	0.8510	4.84	-0.01	31.70	100.41	62.54	12.68	320.66
				662.1	2097.1	1306.2	3.87	117.52
12	0.8505	5.99	-0.01	31.68	100.41	62.57	12.67	320.77
				661.7	2097.1	1306.8	3.86	117.72
13	0.8510	7.17	0.00	31.70	100.41	62.54	12.65	321.26
				662.1	2097.1	1306.2	3.86	118.60
14	0.8510	8.12	0.00	31.70	100.41	62.54	12.65	321.37
				662.1	2097.1	1306.2	3.86	118.80
15	0.8490	9.24	0.00	31.62	100.41	62.67	12.64	321.33
				660.4	2097.1	1308.9	3.85	118.73
16	0.8500	11.26	0.01	31.66	100.41	62.60	12.63	321.59
				661.3	2097.1	1307.5	3.85	119.20
17	0.8510	13.41	0.06	31.70	100.41	62.54	12.64	321.44
				662.1	2097.1	1306.2	3.85	118.93
18	0.8485	15.62	0.06	31.60	100.41	62.70	12.65	321.03
				659.9	2097.1	1309.6	3.86	118.19
19	0.8493	17.69	-0.02	31.64	100.44	62.67	12.62	321.67
				660.9	2097.8	1308.9	3.85	119.34
20	0.8492	19.90	0.04	31.62	100.37	62.64	12.61	321.77
				660.3	2096.3	1308.2	3.84	119.51
21	0.8495	-1.98	-0.01	31.64	100.41	62.64	12.64	321.37
				660.8	2097.1	1308.2	3.85	118.80

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 69 CONFIG 2 DHORZ(deg) OFF

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.24039	0.07664	-0.14599	0.00390	0.00066	0.00044
2	-0.17451	0.06419	-0.13298	0.00675	-0.00001	0.00011
3	-0.10648	0.05465	-0.11540	0.00733	-0.00010	0.00020
4	-0.02516	0.04728	-0.09247	0.00670	0.00011	0.00044
5	0.03903	0.04379	-0.06987	0.00619	0.00020	0.00047
6	0.10088	0.04280	-0.04466	0.00487	0.00073	0.00064
7	0.17222	0.04644	-0.02125	0.00376	0.00176	0.00079
8	0.22528	0.05425	-0.00633	0.00309	0.00249	0.00085
9	0.28572	0.06446	0.00452	0.00298	0.00263	0.00049
10	0.34527	0.07934	0.01744	0.00577	0.00250	-0.00032
11	0.40123	0.09287	0.02314	0.00308	0.00224	0.00101
12	0.46959	0.10976	0.02159	0.00433	0.00236	0.00038
13	0.55012	0.13154	0.01973	0.00585	0.00283	-0.00052
14	0.62189	0.15271	0.01595	0.00684	0.00356	-0.00082
15	0.63812	0.17214	0.01583	0.00724	0.00225	-0.00123
16	0.68577	0.21416	0.01469	0.00756	0.00372	-0.00035
17	0.76838	0.26839	0.01243	0.00526	0.00967	0.00013
18	0.84169	0.32742	0.01104	0.00820	0.00898	-0.00060
19	0.85767	0.37578	0.02481	0.00954	0.00045	-0.00005
20	0.93116	0.44513	0.03237	0.01060	0.00268	-0.00300
21	0.03062	0.04280	-0.07197	0.00356	0.00016	0.00045

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 70 CONFIG 2 DHORZ(deg) OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.9005	-6.55	-0.01	33.68	100.41	59.33	12.81	323.93
				703.4	2097.1	1239.2	3.91	123.41
2	0.8992	-5.18	-0.02	33.62	100.37	59.40	12.80	324.03
				702.1	2096.3	1240.5	3.90	123.58
3	0.9012	-4.17	-0.02	33.70	100.37	59.27	12.78	324.51
				703.8	2096.3	1237.8	3.90	124.45
4	0.9007	-2.91	-0.02	33.68	100.37	59.30	12.78	324.62
				703.4	2096.3	1238.5	3.89	124.65
5	0.9007	-1.84	-0.02	33.68	100.37	59.30	12.83	323.54
				703.4	2096.3	1238.5	3.91	122.70
6	0.8992	-0.83	-0.02	33.62	100.37	59.40	12.79	324.23
				702.1	2096.3	1240.5	3.90	123.95
7	0.8997	0.40	-0.01	33.64	100.37	59.36	12.80	324.10
				702.5	2096.3	1239.8	3.90	123.71
8	0.9000	1.49	-0.01	33.66	100.41	59.36	12.79	324.29
				703.0	2097.1	1239.8	3.90	124.05
9	0.9000	2.53	-0.01	33.66	100.41	59.36	12.80	324.14
				703.0	2097.1	1239.8	3.90	123.78
10	0.9010	3.65	0.00	33.70	100.41	59.30	12.78	324.70
				703.8	2097.1	1238.5	3.89	124.79
11	0.9020	4.77	0.00	33.74	100.41	59.23	12.79	324.66
				704.6	2097.1	1237.1	3.90	124.72
12	0.9020	6.11	0.00	33.74	100.41	59.23	12.79	324.62
				704.6	2097.1	1237.1	3.90	124.65
13	0.8995	7.03	0.00	33.64	100.41	59.40	12.80	324.14
				702.6	2097.1	1240.5	3.90	123.78
14	0.8990	8.13	0.00	33.62	100.41	59.43	12.78	324.36
				702.2	2097.1	1241.2	3.90	124.18
15	0.8997	9.33	-0.01	33.64	100.37	59.36	12.77	324.64
				702.5	2096.3	1239.8	3.89	124.69
16	0.8997	11.58	-0.04	33.64	100.37	59.36	12.80	324.10
				702.5	2096.3	1239.8	3.90	123.71
17	0.8992	13.73	0.06	33.62	100.37	59.40	12.79	324.29
				702.1	2096.3	1240.5	3.90	124.05
18	0.8997	15.98	-0.04	33.64	100.37	59.36	12.74	325.26
				702.5	2096.3	1239.8	3.88	125.80
19	0.8992	17.99	-0.05	33.62	100.37	59.40	12.75	324.96
				702.1	2096.3	1240.5	3.89	125.26
20	0.9000	-1.89	-0.01	33.66	100.41	59.36	12.77	324.77
				703.0	2097.1	1239.8	3.89	124.92

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 70 CONFIG 2 DHORZ(deg) OFF

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.32243	0.10410	-0.11807	0.00385	-0.00039	0.00013
2	-0.20957	0.08841	-0.11223	0.00482	0.00028	0.00020
3	-0.13810	0.08096	-0.10312	0.00636	0.00022	0.00016
4	-0.05268	0.07338	-0.08093	0.00540	0.00042	0.00073
5	-0.00289	0.07157	-0.04953	0.00449	0.00066	0.00074
6	0.04163	0.07022	-0.01969	0.00439	0.00004	0.00057
7	0.07384	0.07767	0.01895	0.00305	-0.00125	0.00065
8	0.13417	0.08450	0.03442	0.00205	0.00269	0.00089
9	0.20726	0.09236	0.03858	0.00249	0.00282	0.00042
10	0.28379	0.10307	0.04563	0.00478	0.00327	-0.00042
11	0.35282	0.11543	0.05419	0.00130	0.00375	0.00058
12	0.42518	0.13172	0.05777	0.00392	0.00333	0.00042
13	0.47328	0.14375	0.05922	0.00265	0.00361	0.00054
14	0.56438	0.16536	0.04785	0.00553	0.00408	-0.00013
15	0.66022	0.19380	0.03224	0.00609	0.00246	0.00057
16	0.77523	0.24866	0.01293	0.01047	-0.00467	-0.00237
17	0.83747	0.30193	0.00925	0.01025	0.01046	-0.00043
18	0.88387	0.36067	0.02208	0.01503	-0.00021	0.00005
19	0.92662	0.41589	0.02625	0.01086	-0.00022	0.00130
20	-0.00389	0.06996	-0.05430	0.00193	0.00096	0.00068

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
71	2	OFF

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7793	1.89	-0.01	28.57	100.37	67.20	12.44	314.88
				596.7	2096.3	1403.4	3.79	107.12
2	0.7790	3.06	-0.01	28.57	100.44	67.26	12.41	315.67
				596.8	2097.8	1404.8	3.78	108.53
3	0.7823	6.02	0.00	28.71	100.41	67.02	12.40	316.17
				599.7	2097.1	1399.8	3.78	109.44

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 71 CONFIG 2 DHORZ(deg) OFF

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	0.41324	0.04133	-0.04484	0.00408	0.00174	0.00049
2	0.52622	0.05564	-0.03351	0.00649	0.00182	-0.00002
3	0.61920	0.10307	-0.00189	0.00418	0.00357	0.00000

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 72 CONFIG 1 DHORZ(deg) 0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.6004	-6.48	-0.01	19.90	100.61	78.85	11.07	304.82
				415.6	2101.3	1646.8	3.37	89.01
20	0.5998	-5.33	-0.01	19.87	100.64	78.92	11.03	305.63
				415.0	2102.0	1648.3	3.36	90.46
21	0.5970	-4.13	-0.01	19.73	100.64	79.09	10.99	305.71
				412.1	2102.0	1651.8	3.35	90.60
22	0.5970	-3.19	-0.01	19.73	100.64	79.09	10.98	305.78
				412.1	2102.0	1651.8	3.35	90.73
23	0.5987	-1.90	-0.01	19.82	100.64	78.99	11.00	305.91
				413.9	2102.0	1649.7	3.35	90.97
24	0.6004	0.26	-0.01	19.90	100.61	78.85	11.00	306.30
				415.6	2101.3	1646.8	3.35	91.67
25	0.6009	2.60	-0.01	19.93	100.64	78.85	11.01	306.28
				416.2	2102.0	1646.8	3.36	91.64
26	0.6014	4.93	-0.01	19.96	100.64	78.82	11.03	306.12
				416.8	2102.0	1646.1	3.36	91.34
27	0.5981	6.96	-0.01	19.79	100.64	79.02	10.95	306.75
				413.3	2102.0	1650.4	3.34	92.48
28	0.5976	9.02	-0.01	19.76	100.64	79.06	10.94	306.84
				412.7	2102.0	1651.1	3.34	92.65
29	0.5980	10.88	-0.02	19.79	100.68	79.06	10.96	306.58
				413.3	2102.7	1651.1	3.34	92.18
30	0.5992	12.92	-0.01	19.85	100.64	78.95	10.97	306.62
				414.5	2102.0	1649.0	3.35	92.25
31	0.5976	15.05	0.00	19.76	100.64	79.06	10.94	306.92
				412.7	2102.0	1651.1	3.33	92.78
32	0.5976	17.13	0.00	19.76	100.64	79.06	10.95	306.73
				412.7	2102.0	1651.1	3.34	92.45
33	0.5998	19.24	0.00	19.87	100.64	78.92	10.96	307.12
				415.0	2102.0	1648.3	3.34	93.15
34	0.6002	21.39	0.00	19.90	100.68	78.92	10.97	307.14
				415.6	2102.7	1648.2	3.34	93.19
35	0.5997	-1.98	0.00	19.88	100.68	78.95	10.98	306.75
				415.1	2102.7	1649.0	3.35	92.48

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 72 CONFIG 1 DHORZ(deg) 0.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
19	-0.45880	0.04755	0.03099	0.00375	0.00001	0.00041
20	-0.33130	0.03774	0.01840	0.00312	-0.00057	0.00063
21	-0.22645	0.03150	0.00716	0.00321	0.00035	0.00078
22	-0.13223	0.02795	-0.00114	0.00384	0.00018	0.00085
23	-0.01153	0.02653	0.00093	0.00471	0.00065	0.00007
24	0.19092	0.03014	-0.00474	0.00355	0.00018	0.00041
25	0.42320	0.04106	-0.01559	0.00467	0.00068	0.00016
26	0.63079	0.05996	-0.01299	0.00527	0.00097	-0.00043
27	0.78900	0.09086	-0.01432	0.00585	-0.00039	-0.00064
28	0.80729	0.14726	-0.05234	0.00826	-0.00156	-0.00102
29	0.79457	0.19345	-0.09504	0.00765	-0.00261	0.00028
30	0.77028	0.23552	-0.13032	0.00614	0.00114	0.00071
31	0.83492	0.29578	-0.18622	0.00701	0.00209	-0.00060
32	0.93409	0.36530	-0.21752	0.00713	0.00210	-0.00045
33	1.01423	0.43569	-0.24668	0.00727	0.00037	-0.00075
34	1.08864	0.51181	-0.28086	0.00725	0.00082	-0.00134
35	-0.02260	0.02656	0.00041	0.00257	0.00035	0.00009

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
73	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7787	-6.90	-0.01	28.57	100.51	67.33	12.38	316.31
				596.8	2099.2	1406.3	3.77	109.68
2	0.7828	-4.16	-0.01	28.77	100.51	67.06	12.40	316.57
				600.8	2099.2	1400.5	3.78	110.15
3	0.7837	-1.93	-0.01	28.81	100.54	67.02	12.40	316.77
				601.8	2099.9	1399.8	3.78	110.52
4	0.7806	0.27	-0.01	28.68	100.54	67.23	12.38	316.73
				598.9	2099.9	1404.1	3.77	110.45
5	0.7801	2.90	-0.01	28.65	100.54	67.26	12.37	316.77
				598.4	2099.9	1404.8	3.77	110.52
6	0.7827	5.15	0.00	28.77	100.54	67.09	12.39	316.87
				600.8	2099.9	1401.3	3.78	110.69
7	0.7813	7.07	0.00	28.69	100.51	67.16	12.37	317.05
				599.3	2099.2	1402.7	3.77	111.02
8	0.7813	9.23	-0.02	28.69	100.51	67.16	12.36	317.11
				599.3	2099.2	1402.7	3.77	111.13
9	0.7799	11.13	0.00	28.65	100.58	67.30	12.36	317.11
				598.4	2100.6	1405.5	3.77	111.13
10	0.7801	13.24	0.01	28.65	100.54	67.26	12.35	317.32
				598.4	2099.9	1404.8	3.76	111.50
11	0.7821	15.42	-0.01	28.74	100.54	67.13	12.36	317.50
				600.3	2099.9	1402.0	3.77	111.83
12	0.7806	17.65	-0.01	28.68	100.54	67.23	12.33	317.78
				598.9	2099.9	1404.1	3.76	112.34
13	0.7794	19.73	-0.01	28.63	100.58	67.33	12.32	317.78
				597.9	2100.6	1406.2	3.76	112.34
14	0.7795	21.87	0.01	28.63	100.54	67.30	12.33	317.61
				597.9	2099.9	1405.5	3.76	112.03
15	0.7827	-2.09	-0.01	28.77	100.54	67.09	12.37	317.33
				600.8	2099.9	1401.3	3.77	111.53

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 73 CONFIG 1 DHORZ(deg) 0.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.48178	0.07623	0.02524	0.00306	0.00063	0.00050
2	-0.27256	0.04019	-0.00896	0.00235	0.00049	0.00111
3	-0.03206	0.02918	-0.00576	0.00378	0.00022	0.00054
4	0.20327	0.03239	-0.00093	0.00131	0.00192	0.00071
5	0.49225	0.05463	-0.00383	0.00367	0.00126	0.00022
6	0.58643	0.09048	-0.02704	0.00066	0.00355	0.00094
7	0.69043	0.12753	-0.06176	0.00557	0.00289	-0.00084
8	0.70636	0.17028	-0.08559	0.00564	-0.00274	-0.00045
9	0.70353	0.20763	-0.11483	0.00356	0.00198	-0.00024
10	0.78542	0.26397	-0.15785	0.00635	0.00295	-0.00040
11	0.87814	0.32881	-0.19141	0.00620	0.00078	0.00009
12	0.97351	0.40320	-0.22521	0.00738	0.00075	-0.00046
13	1.06026	0.47855	-0.25851	0.00773	0.00006	-0.00061
14	1.14332	0.55966	-0.28599	0.00548	0.00066	-0.00149
15	-0.06381	0.02954	-0.00628	0.00235	0.00058	0.00049

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
74	1	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8494	-6.49	-0.01	31.67	100.51	62.70	12.53	323.77
				661.4	2099.2	1309.6	3.82	123.11
2	0.8496	-4.28	-0.02	31.67	100.48	62.67	12.52	323.97
				661.4	2098.5	1308.9	3.82	123.48
3	0.8494	-2.03	-0.02	31.67	100.51	62.70	12.52	324.01
				661.4	2099.2	1309.6	3.82	123.54
4	0.8519	0.23	-0.01	31.77	100.51	62.54	12.53	324.10
				663.6	2099.2	1306.2	3.82	123.71
5	0.8519	2.64	0.00	31.77	100.51	62.54	12.55	323.65
				663.6	2099.2	1306.2	3.83	122.90
6	0.8497	5.00	0.00	31.69	100.54	62.70	12.53	323.97
				661.9	2099.9	1309.6	3.82	123.48
7	0.8494	7.12	0.00	31.67	100.51	62.70	12.52	323.95
				661.4	2099.2	1309.6	3.82	123.44
8	0.8491	9.16	-0.03	31.64	100.48	62.70	12.52	323.93
				660.9	2098.5	1309.6	3.82	123.41
9	0.8489	11.27	-0.06	31.65	100.51	62.74	12.50	324.29
				661.0	2099.2	1310.3	3.81	124.05
10	0.8494	13.47	-0.12	31.67	100.51	62.70	12.51	324.23
				661.4	2099.2	1309.6	3.81	123.95
11	0.8499	15.62	-0.04	31.69	100.51	62.67	12.50	324.44
				661.9	2099.2	1308.9	3.81	124.32
12	0.8479	17.96	-0.04	31.61	100.51	62.80	12.49	324.29
				660.1	2099.2	1311.7	3.81	124.05
13	0.8514	20.02	0.00	31.75	100.51	62.57	12.51	324.44
				663.2	2099.2	1306.9	3.81	124.32
14	0.8484	22.22	0.00	31.63	100.51	62.77	12.43	325.63
				660.6	2099.2	1311.0	3.79	126.47
15	0.8499	-2.00	-0.01	31.69	100.51	62.67	12.53	323.78
				661.9	2099.2	1308.9	3.82	123.14

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 74 CONFIG 1 DHORZ(deg) 0.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.33266	0.08493	0.01126	0.00239	0.00040	0.00065
2	-0.17193	0.05929	-0.01795	0.00251	-0.00058	0.00131
3	-0.01019	0.04603	-0.00450	0.00390	0.00073	0.00066
4	0.13587	0.04900	0.01839	0.00133	0.00126	0.00092
5	0.27319	0.06814	0.00814	0.00166	0.00305	0.00020
6	0.44165	0.09754	-0.03205	0.00012	0.00283	0.00149
7	0.60131	0.13556	-0.06872	0.00730	0.00386	-0.00115
8	0.65763	0.17423	-0.08607	0.00691	-0.00241	-0.00017
9	0.73491	0.22353	-0.13193	0.00786	-0.00602	0.00009
10	0.83706	0.28503	-0.17160	0.01051	-0.00871	0.00272
11	0.90195	0.34742	-0.19127	0.01172	-0.00062	0.00014
12	1.00206	0.42665	-0.22789	0.01174	-0.00145	-0.00022
13	1.11728	0.51461	-0.25617	0.00675	0.00103	-0.00087
14	1.19332	0.59651	-0.29247	0.01009	0.00093	-0.00169
15	-0.00449	0.04604	-0.00258	0.00105	0.00049	0.00086

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
75	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.6001	-6.71	-0.01	19.96	101.02	79.19	11.26	301.64
				416.9	2109.8	1653.9	3.43	83.29
4	0.5998	-4.35	-0.01	19.93	100.95	79.16	11.19	302.75
				416.3	2108.4	1653.2	3.41	85.28
5	0.6013	-2.10	-0.01	20.02	100.98	79.09	11.20	303.18
				418.1	2109.1	1651.8	3.41	86.05
6	0.6019	0.10	-0.01	20.05	100.98	79.06	11.18	303.76
				418.7	2109.1	1651.1	3.41	87.10
7	0.6002	2.42	0.00	19.96	100.98	79.16	11.15	303.91
				416.9	2109.1	1653.2	3.40	87.37
8	0.6003	4.57	0.00	19.96	100.95	79.12	11.13	304.28
				416.9	2108.4	1652.5	3.39	88.04
9	0.6002	6.86	0.00	19.96	100.98	79.16	11.12	304.58
				416.9	2109.1	1653.2	3.39	88.58
10	0.6003	8.84	0.00	19.96	100.95	79.12	11.10	304.86
				416.9	2108.4	1652.5	3.38	89.08
11	0.5986	10.85	0.01	19.88	100.98	79.26	11.08	305.01
				415.2	2109.1	1655.4	3.38	89.35
12	0.6001	12.90	0.04	19.96	101.02	79.19	11.09	305.22
				416.9	2109.8	1653.9	3.38	89.72
13	0.6002	15.07	-0.02	19.96	100.98	79.16	11.08	305.44
				416.9	2109.1	1653.2	3.38	90.13
14	0.6002	17.19	-0.02	19.96	100.98	79.16	11.08	305.52
				416.9	2109.1	1653.2	3.38	90.26
15	0.6002	19.32	-0.16	19.96	100.98	79.16	11.06	305.74
				416.9	2109.1	1653.2	3.37	90.66
16	0.6023	-2.07	-0.01	20.08	101.02	79.06	11.08	306.15
				419.3	2109.8	1651.1	3.38	91.40

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 75 CONFIG 1 DHORZ(deg) -10.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
3	-0.60767	0.09389	0.22970	0.00282	0.00005	0.00068
4	-0.37747	0.06984	0.21477	0.00366	0.00051	0.00074
5	-0.15994	0.05571	0.21209	0.00289	0.00116	0.00052
6	0.04036	0.05006	0.21525	0.00207	0.00121	0.00052
7	0.24728	0.05142	0.21448	0.00231	0.00089	0.00030
8	0.44150	0.05856	0.21495	0.00213	0.00120	0.00002
9	0.64181	0.08359	0.21094	0.00385	0.00021	-0.00027
10	0.71039	0.13297	0.14124	0.00582	0.00299	-0.00030
11	0.72847	0.18078	0.06879	0.00389	0.00653	0.00130
12	0.73743	0.21946	0.02959	0.00096	0.01319	0.00277
13	0.84950	0.28097	-0.04825	0.00374	0.00052	0.00309
14	0.93135	0.34156	-0.09443	0.00814	0.00007	0.00105
15	0.97451	0.40160	-0.11580	0.01273	-0.01517	0.00455
16	-0.17262	0.05586	0.21216	0.00181	0.00074	0.00052

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
76	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7813	-6.83	-0.01	28.81	100.92	67.43	12.63	312.84
				601.7	2107.7	1408.4	3.85	103.45
2	0.7814	-4.45	-0.02	28.81	100.88	67.40	12.57	313.89
				601.7	2107.0	1407.6	3.83	105.34
3	0.7783	-2.23	-0.01	28.67	100.88	67.60	12.54	313.97
				598.7	2107.0	1411.9	3.82	105.47
4	0.7794	0.25	-0.01	28.71	100.88	67.54	12.55	314.01
				599.7	2107.0	1410.5	3.83	105.54
5	0.7804	2.64	0.00	28.76	100.88	67.47	12.57	313.78
				600.7	2107.0	1409.1	3.83	105.14
6	0.7809	4.97	0.00	28.79	100.88	67.43	12.53	314.69
				601.2	2107.0	1408.4	3.82	106.78
7	0.7797	7.07	-0.01	28.74	100.92	67.54	12.53	314.49
				600.3	2107.7	1410.5	3.82	106.41
8	0.7792	9.05	-0.04	28.72	100.92	67.57	12.51	314.90
				599.8	2107.7	1411.2	3.81	107.15
9	0.7804	11.13	-0.04	28.76	100.88	67.47	12.46	315.91
				600.7	2107.0	1409.1	3.80	108.97
10	0.7820	13.29	-0.07	28.83	100.88	67.36	12.48	315.86
				602.2	2107.0	1406.9	3.80	108.87
11	0.7794	15.49	-0.06	28.71	100.88	67.54	12.47	315.54
				599.7	2107.0	1410.5	3.80	108.30
12	0.7834	17.55	0.08	29.00	101.22	67.50	12.52	316.04
				605.6	2114.0	1409.7	3.82	109.21
13	0.7788	19.67	-0.02	28.69	100.88	67.57	12.42	316.47
				599.2	2107.0	1411.2	3.79	109.98
14	0.7799	21.83	-0.04	28.74	100.88	67.50	12.41	316.77
				600.2	2107.0	1409.8	3.78	110.52
15	0.7814	-2.26	-0.01	28.81	100.88	67.40	12.42	316.96
				601.7	2107.0	1407.6	3.79	110.86

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 76 CONFIG 1 DHORZ(deg) -10.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.57324	0.12255	0.20718	0.00064	0.00119	0.00123
2	-0.41886	0.08132	0.20253	0.00433	0.00038	0.00073
3	-0.19878	0.06101	0.20101	0.00308	0.00096	0.00050
4	0.06943	0.05563	0.20952	0.00256	0.00151	0.00065
5	0.32846	0.06741	0.21398	0.00160	0.00275	0.00041
6	0.44162	0.08932	0.20762	0.00054	0.00244	0.00073
7	0.57382	0.12307	0.13744	0.00706	0.00169	-0.00050
8	0.63148	0.15897	0.07728	0.00307	-0.00467	0.00132
9	0.65861	0.19345	0.01867	0.00593	-0.00403	0.00042
10	0.76435	0.24738	-0.02946	0.00653	-0.00388	0.00294
11	0.86354	0.30920	-0.06623	0.00708	-0.00234	0.00270
12	0.88649	0.36139	-0.07476	0.00879	0.00865	-0.00253
13	0.95600	0.42881	-0.09305	0.01300	0.00036	-0.00065
14	1.03805	0.50102	-0.13002	0.01501	-0.00136	-0.00135
15	-0.20417	0.06074	0.20194	0.00021	0.00108	0.00065

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
77	1	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8508	-6.59	-0.01	31.85	100.88	62.84	12.82	319.11
				665.1	2107.0	1312.5	3.91	114.73
2	0.8510	-4.32	-0.02	31.85	100.85	62.81	12.79	319.67
				665.1	2106.2	1311.8	3.90	115.74
3	0.8495	-2.07	-0.01	31.78	100.85	62.91	12.77	319.84
				663.8	2106.2	1313.9	3.89	116.04
4	0.8500	0.23	-0.01	31.80	100.85	62.88	12.78	319.76
				664.2	2106.2	1313.2	3.89	115.90
5	0.8493	2.40	0.00	31.78	100.88	62.94	12.77	319.99
				663.8	2107.0	1314.6	3.89	116.31
6	0.8490	4.76	0.00	31.76	100.85	62.94	12.74	320.36
				663.3	2106.2	1314.6	3.88	116.98
7	0.8505	7.00	0.01	31.82	100.85	62.84	12.76	320.31
				664.6	2106.2	1312.5	3.89	116.88
8	0.8493	9.14	-0.05	31.78	100.88	62.94	12.74	320.44
				663.8	2107.0	1314.6	3.88	117.12
9	0.8505	11.33	-0.07	31.82	100.85	62.84	12.76	320.29
				664.6	2106.2	1312.5	3.89	116.85
10	0.8488	13.41	-0.02	31.76	100.88	62.98	12.73	320.59
				663.4	2107.0	1315.3	3.88	117.39
11	0.8515	15.75	-0.22	31.86	100.85	62.78	12.74	320.73
				665.5	2106.2	1311.1	3.88	117.65
12	0.8525	17.81	-0.04	31.91	100.85	62.71	12.72	321.32
				666.4	2106.2	1309.8	3.88	118.70
13	0.8470	19.94	-0.07	31.68	100.85	63.07	12.68	321.32
				661.6	2106.2	1317.3	3.87	118.70
14	0.8505	22.16	0.18	31.82	100.85	62.84	12.71	321.21
				664.6	2106.2	1312.5	3.87	118.50
15	0.8498	-2.11	-0.01	31.81	100.88	62.91	12.74	320.55
				664.3	2107.0	1313.9	3.88	117.32

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
77	1	-10.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.42356	0.13346	0.17904	0.00095	0.00101	0.00097
2	-0.28654	0.09938	0.18646	0.00424	0.00005	0.00070
3	-0.13744	0.07879	0.21220	0.00290	0.00063	0.00039
4	0.02659	0.07171	0.22209	0.00131	0.00212	0.00031
5	0.14029	0.07797	0.24493	0.00074	0.00249	0.00066
6	0.29862	0.09551	0.19220	-0.00041	0.00249	0.00115
7	0.47979	0.12878	0.11630	0.00352	0.00374	-0.00022
8	0.59503	0.16703	0.06771	0.00536	-0.00310	0.00220
9	0.68832	0.21101	-0.00355	0.00665	-0.00724	0.00088
10	0.72960	0.25694	-0.01555	0.00845	0.00141	0.00058
11	0.87721	0.33284	-0.05928	0.00898	-0.01668	0.00505
12	0.91201	0.38777	-0.05731	0.01974	-0.00003	-0.00128
13	0.98317	0.45404	-0.07195	0.01966	-0.00270	-0.00052
14	1.07454	0.53486	-0.10794	-0.01576	0.00964	-0.00248
15	-0.13927	0.07882	0.20918	0.00136	0.00034	0.00038

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
78	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.6024	-6.40	-0.01	20.08	100.98	79.02	11.11	305.44
				419.3	2109.1	1650.4	3.38	90.13
4	0.6024	-4.06	-0.01	20.08	100.98	79.02	11.11	305.50
				419.3	2109.1	1650.4	3.38	90.23
5	0.6008	-1.96	-0.01	19.99	100.98	79.12	11.05	306.15
				417.5	2109.1	1652.5	3.37	91.40
6	0.6008	0.28	-0.01	19.99	100.98	79.12	11.04	306.38
				417.5	2109.1	1652.5	3.37	91.81
7	0.6002	2.57	-0.01	19.96	100.98	79.16	11.02	306.71
				416.9	2109.1	1653.2	3.36	92.41
8	0.6007	4.80	-0.01	19.99	101.02	79.16	11.04	306.38
				417.5	2109.8	1653.2	3.37	91.81
9	0.5997	6.92	-0.02	19.93	100.98	79.19	11.01	306.71
				416.3	2109.1	1653.9	3.36	92.41
10	0.5997	9.00	-0.01	19.93	100.98	79.19	11.01	306.75
				416.3	2109.1	1653.9	3.36	92.48
11	0.5997	10.96	0.00	19.93	100.98	79.19	11.00	307.01
				416.3	2109.1	1653.9	3.35	92.95
12	0.6007	-1.89	-0.01	19.99	101.02	79.16	11.01	307.03
				417.5	2109.8	1653.2	3.36	92.99

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 78 CONFIG 1 DHORZ(deg) 10.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
3	-0.30486	0.04154	-0.19679	0.00720	-0.00033	-0.00009
4	-0.07736	0.03178	-0.21878	0.00848	0.00029	-0.00014
5	0.13583	0.03259	-0.23425	0.00823	0.00016	-0.00005
6	0.35432	0.04175	-0.24636	0.00834	0.00047	0.00017
7	0.56825	0.05931	-0.25215	0.00750	0.00083	0.00027
8	0.76796	0.08488	-0.25002	0.00903	0.00058	0.00009
9	0.93068	0.12363	-0.23974	0.00932	-0.00042	0.00017
10	0.93944	0.18184	-0.26311	0.01194	0.00092	-0.00079
11	0.91182	0.23702	-0.29689	0.00798	0.00480	0.00045
12	0.14199	0.03305	-0.23581	0.00661	0.00030	0.00001

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
79	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7809	-6.55	-0.02	28.79	100.88	67.43	12.59	313.44
				601.2	2107.0	1408.4	3.84	104.53
2	0.7809	-4.35	-0.02	28.79	100.88	67.43	12.53	314.57
				601.2	2107.0	1408.4	3.82	106.55
3	0.7794	-1.96	-0.02	28.71	100.88	67.54	12.52	314.61
				599.7	2107.0	1410.5	3.82	106.62
4	0.7808	0.43	-0.02	28.79	100.92	67.47	12.52	314.81
				601.3	2107.7	1409.1	3.82	106.99
5	0.7808	3.04	-0.01	28.79	100.92	67.47	12.50	315.20
				601.3	2107.7	1409.1	3.81	107.69
6	0.7801	5.03	-0.01	28.74	100.85	67.47	12.50	315.11
				600.2	2106.2	1409.1	3.81	107.52
7	0.7788	7.17	-0.02	28.69	100.88	67.57	12.49	315.09
				599.2	2107.0	1411.2	3.81	107.49
8	0.7799	9.28	-0.01	28.74	100.88	67.50	12.46	315.84
				600.2	2107.0	1409.8	3.80	108.84
9	0.7813	11.20	0.03	28.81	100.92	67.43	12.48	315.80
				601.7	2107.7	1408.4	3.80	108.77
10	0.7788	-2.00	-0.01	28.69	100.88	67.57	12.43	316.28
				599.2	2107.0	1411.2	3.79	109.64

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 79 CONFIG 1 DHORZ(deg) 10.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.30352	0.06517	-0.21744	0.00615	0.00046	0.00056
2	-0.14746	0.04181	-0.24288	0.00913	-0.00031	-0.00005
3	0.11014	0.03653	-0.26158	0.00783	0.00046	0.00009
4	0.37830	0.04769	-0.26430	0.00676	0.00087	0.00043
5	0.65987	0.08091	-0.25780	0.00653	0.00215	-0.00009
6	0.72561	0.11552	-0.25176	0.00497	0.00325	0.00091
7	0.81053	0.16045	-0.26674	0.01423	0.00163	-0.00182
8	0.81430	0.20676	-0.27389	0.00863	0.00174	-0.00055
9	0.81205	0.25402	-0.30331	0.00626	0.00761	-0.00054
10	0.11609	0.03648	-0.27011	0.00504	0.00070	0.00024

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
80	1	10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8493	-6.44	-0.02	31.78	100.88	62.94	12.80	319.47
				663.8	2107.0	1314.6	3.90	115.37
2	0.8498	-4.11	-0.02	31.81	100.88	62.91	12.81	319.24
				664.3	2107.0	1313.9	3.90	114.96
3	0.8500	-1.82	-0.02	31.80	100.85	62.88	12.79	319.54
				664.2	2106.2	1313.2	3.90	115.50
4	0.8508	0.43	-0.02	31.85	100.88	62.84	12.79	319.69
				665.1	2107.0	1312.5	3.90	115.77
5	0.8513	2.80	-0.01	31.87	100.88	62.81	12.78	319.97
				665.6	2107.0	1311.8	3.90	116.27
6	0.8513	4.97	-0.02	31.87	100.88	62.81	12.77	320.14
				665.6	2107.0	1311.8	3.89	116.58
7	0.8493	7.22	0.00	31.78	100.88	62.94	12.76	320.21
				663.8	2107.0	1314.6	3.89	116.71
8	0.8513	9.29	-0.03	31.87	100.88	62.81	12.75	320.59
				665.6	2107.0	1311.8	3.89	117.39
9	0.8490	11.36	0.03	31.76	100.85	62.94	12.72	320.77
				663.3	2106.2	1314.6	3.88	117.72
10	0.8518	-1.83	-0.02	31.89	100.88	62.78	12.75	320.70
				666.0	2107.0	1311.2	3.88	117.59

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
80	1	10.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.18778	0.07988	-0.23308	0.00732	0.00027	-0.00016
2	-0.00433	0.06135	-0.27103	0.01000	-0.00005	-0.00068
3	0.16247	0.05753	-0.27670	0.00928	0.00043	0.00000
4	0.31226	0.06856	-0.25895	0.00661	0.00241	0.00007
5	0.44784	0.09502	-0.25747	0.00770	0.00291	-0.00054
6	0.56281	0.12589	-0.24272	0.00540	0.00192	0.00145
7	0.70968	0.16703	-0.25301	0.01108	0.00370	-0.00165
8	0.74389	0.21154	-0.26490	0.00929	-0.00150	0.00024
9	0.81759	0.26618	-0.30143	0.00692	0.00623	-0.00077
10	0.16129	0.05788	-0.27532	0.00648	0.00051	-0.00023

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 81 CONFIG 4 DHORZ(deg) 0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
21	0.6001	-6.59	-0.01	19.96	101.02	79.19	11.18	303.20
				416.9	2109.8	1653.9	3.41	86.09
22	0.5996	-4.15	-0.01	19.93	101.02	79.22	11.18	303.18
				416.3	2109.8	1654.6	3.41	86.05
23	0.6018	-2.05	-0.01	20.05	101.02	79.09	11.17	303.94
				418.7	2109.8	1651.8	3.40	87.43
24	0.5985	0.20	-0.01	19.88	101.02	79.29	11.12	304.12
				415.2	2109.8	1656.1	3.39	87.74
25	0.5994	2.54	-0.01	19.94	101.05	79.26	11.11	304.64
				416.4	2110.5	1655.3	3.39	88.68
26	0.5989	4.65	-0.01	19.91	101.05	79.29	11.10	304.84
				415.8	2110.5	1656.1	3.38	89.05
27	0.5983	7.02	-0.01	19.88	101.05	79.33	11.09	304.84
				415.2	2110.5	1656.8	3.38	89.05
28	0.5990	8.95	-0.01	19.91	101.02	79.26	11.08	305.18
				415.8	2109.8	1655.3	3.38	89.65
29	0.6001	10.89	0.00	19.96	101.02	79.19	11.08	305.37
				416.9	2109.8	1653.9	3.38	89.99
30	0.6011	12.87	0.05	20.02	101.05	79.16	11.09	305.65
				418.1	2110.5	1653.2	3.38	90.50
31	0.5989	14.97	0.09	19.91	101.05	79.29	11.04	306.06
				415.8	2110.5	1656.1	3.37	91.24
32	0.5994	17.02	0.01	19.94	101.05	79.26	11.04	306.28
				416.4	2110.5	1655.3	3.36	91.64
33	0.6011	18.06	0.01	20.02	101.05	79.16	11.05	306.49
				418.1	2110.5	1653.2	3.37	92.01
34	0.5989	-2.17	-0.01	19.91	101.05	79.29	11.02	306.45
				415.8	2110.5	1656.1	3.36	91.94

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 81 CONFIG 4 DHORZ(deg) 0.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
21	-0.46706	0.04941	0.08147	0.00428	0.00036	0.00027
22	-0.21627	0.03256	0.05097	0.00681	0.00103	-0.00006
23	-0.02135	0.02810	0.02738	0.00554	0.00182	-0.00016
24	0.20007	0.03097	0.00236	0.00631	0.00094	-0.00026
25	0.42758	0.04096	-0.02190	0.00632	0.00150	-0.00047
26	0.61547	0.05651	-0.03666	0.00895	0.00101	-0.00116
27	0.80137	0.09117	-0.05161	0.01097	0.00066	-0.00156
28	0.82381	0.14262	-0.09619	0.01248	0.00073	-0.00205
29	0.81775	0.19192	-0.15643	0.00683	0.00490	0.00101
30	0.80350	0.22972	-0.18881	0.00240	0.01290	0.00079
31	0.83898	0.28194	-0.22177	0.00526	0.01474	-0.00338
32	0.86530	0.33346	-0.21068	0.00719	0.00260	-0.00016
33	0.88286	0.36018	-0.19703	0.00781	0.00253	-0.00086
34	-0.03491	0.02786	0.02990	0.00336	0.00062	0.00003

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
82	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7801	-6.73	-0.01	28.77	100.95	67.54	12.68	311.74
				600.8	2108.4	1410.5	3.87	101.47
2	0.7795	-4.37	-0.02	28.74	100.95	67.57	12.65	312.27
				600.3	2108.4	1411.2	3.86	102.41
3	0.7827	-2.04	-0.01	28.89	100.95	67.36	12.64	312.92
				603.3	2108.4	1406.9	3.85	103.59
4	0.7814	0.53	-0.01	28.84	100.98	67.47	12.63	313.07
				602.3	2109.1	1409.1	3.85	103.86
5	0.7809	2.80	-0.01	28.81	100.98	67.50	12.60	313.65
				601.8	2109.1	1409.8	3.84	104.90
6	0.7801	5.07	0.00	28.77	100.95	67.54	12.59	313.46
				600.8	2108.4	1410.5	3.84	104.56
7	0.7783	7.14	0.00	28.69	100.98	67.67	12.56	313.84
				599.3	2109.1	1413.3	3.83	105.24
8	0.7790	9.09	0.00	28.72	100.95	67.60	12.54	314.23
				599.8	2108.4	1411.9	3.82	105.94
9	0.7801	11.09	0.04	28.77	100.95	67.54	12.57	313.99
				600.8	2108.4	1410.5	3.83	105.51
10	0.7811	13.22	0.05	28.81	100.95	67.47	12.54	314.61
				601.8	2108.4	1409.1	3.82	106.62
11	0.7814	15.52	0.08	28.84	100.98	67.47	12.54	314.72
				602.3	2109.1	1409.1	3.82	106.82
12	0.7790	17.57	0.11	28.72	100.95	67.60	12.51	314.90
				599.8	2108.4	1411.9	3.81	107.15
13	0.7795	18.50	0.00	28.74	100.95	67.57	12.50	315.14
				600.3	2108.4	1411.2	3.81	107.59
14	0.7794	-2.07	-0.01	28.74	100.98	67.60	12.48	315.52
				600.3	2109.1	1411.9	3.81	108.26

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 82 CONFIG 4 DHORZ(deg) 0.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.46960	0.07700	0.09397	-0.00065	0.00038	0.00154
2	-0.30770	0.04400	0.06846	0.00671	0.00063	-0.00012
3	-0.05564	0.03086	0.03712	0.00464	0.00134	-0.00005
4	0.24276	0.03453	0.00878	0.00479	0.00164	0.00001
5	0.49747	0.05505	-0.01846	0.00500	0.00201	-0.00028
6	0.59830	0.08897	-0.04522	0.00470	0.00418	0.00007
7	0.70073	0.12841	-0.08806	0.01110	0.00297	-0.00174
8	0.74748	0.16910	-0.13044	0.00788	0.00241	-0.00134
9	0.73756	0.20773	-0.19077	0.00482	0.00691	-0.00098
10	0.81837	0.26162	-0.22225	0.00633	0.00819	-0.00057
11	0.89782	0.32551	-0.23165	0.00696	0.00959	-0.00206
12	0.93608	0.38012	-0.20863	0.00690	0.01072	-0.00330
13	0.92678	0.39953	-0.18293	0.00852	0.00160	-0.00007
14	-0.06389	0.03069	0.03897	0.00310	0.00155	-0.00013

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
83	4	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8518	-6.57	-0.01	31.89	100.88	62.78	12.67	322.14
				666.0	2107.0	1311.2	3.86	120.18
2	0.8503	-4.21	-0.02	31.83	100.88	62.88	12.63	322.79
				664.7	2107.0	1313.2	3.85	121.36
3	0.8502	-1.96	-0.02	31.83	100.92	62.91	12.64	322.61
				664.8	2107.7	1313.9	3.85	121.02
4	0.8503	0.32	-0.01	31.83	100.88	62.88	12.62	323.03
				664.7	2107.0	1313.2	3.85	121.79
5	0.8512	2.70	0.00	31.87	100.92	62.84	12.63	322.96
				665.6	2107.7	1312.5	3.85	121.66
6	0.8507	4.85	0.00	31.85	100.92	62.88	12.62	323.09
				665.2	2107.7	1313.2	3.85	121.89
7	0.8502	7.28	0.01	31.83	100.92	62.91	12.61	323.18
				664.8	2107.7	1313.9	3.85	122.06
8	0.8503	9.16	-0.02	31.83	100.88	62.88	12.59	323.63
				664.7	2107.0	1313.2	3.84	122.87
9	0.8512	11.28	0.01	31.87	100.92	62.84	12.58	323.95
				665.6	2107.7	1312.5	3.84	123.44
10	0.8497	13.38	0.03	31.81	100.92	62.94	12.59	323.59
				664.3	2107.7	1314.6	3.84	122.80
11	0.8508	15.59	0.07	31.85	100.88	62.84	12.58	323.89
				665.1	2107.0	1312.5	3.83	123.34
12	0.8513	17.72	0.09	31.87	100.88	62.81	12.55	324.51
				665.6	2107.0	1311.8	3.83	124.45
13	0.8497	18.78	-0.02	31.81	100.92	62.94	12.56	324.33
				664.3	2107.7	1314.6	3.83	124.12
14	0.8532	-1.94	-0.01	31.96	100.92	62.71	12.61	323.56
				667.4	2107.7	1309.8	3.85	122.74

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 83 CONFIG 4 DHORZ(deg) 0.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.34170	0.09509	0.07211	-0.00185	-0.00103	0.00258
2	-0.17380	0.06275	0.04900	0.00377	-0.00130	0.00129
3	-0.01456	0.04921	0.04208	0.00524	0.00112	0.00021
4	0.14417	0.05000	0.03841	0.00313	0.00211	0.00008
5	0.28109	0.06919	0.01328	0.00309	0.00343	-0.00004
6	0.43178	0.09606	-0.03481	0.00545	0.00286	-0.00032
7	0.61596	0.13938	-0.09454	0.00784	0.00451	-0.00131
8	0.67764	0.17692	-0.15662	0.00845	-0.00064	-0.00019
9	0.76533	0.22711	-0.20361	0.00802	0.00338	-0.00126
10	0.83761	0.28321	-0.22377	0.01001	0.00535	-0.00162
11	0.93024	0.34934	-0.22916	0.00957	0.00985	-0.00109
12	0.96962	0.40661	-0.20575	0.01000	0.00944	-0.00237
13	0.96009	0.42790	-0.17827	0.01165	0.00019	-0.00089
14	-0.01095	0.05124	0.04337	0.00259	0.00113	0.00023

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
84	4	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.5965	-6.49	-0.01	19.83	101.25	79.60	11.32	299.93
				414.1	2114.7	1662.4	3.45	80.20
4	0.5994	-4.25	-0.01	19.97	101.22	79.40	11.31	300.88
				417.0	2114.0	1658.2	3.45	81.91
5	0.6004	-2.10	-0.01	20.02	101.25	79.36	11.30	301.48
				418.2	2114.7	1657.5	3.44	82.99
6	0.6009	0.18	-0.01	20.05	101.25	79.32	11.28	302.06
				418.8	2114.7	1656.7	3.44	84.03
7	0.5999	2.48	0.00	19.99	101.22	79.36	11.23	302.75
				417.6	2114.0	1657.5	3.42	85.28
8	0.5998	4.64	0.00	19.99	101.25	79.40	11.23	302.77
				417.6	2114.7	1658.2	3.42	85.31
9	0.5994	6.86	0.00	19.97	101.22	79.40	11.20	303.12
				417.0	2114.0	1658.2	3.41	85.95
10	0.5998	8.90	0.01	19.99	101.25	79.40	11.19	303.48
				417.6	2114.7	1658.2	3.41	86.59
11	0.6008	10.87	0.02	20.05	101.29	79.36	11.21	303.53
				418.8	2115.4	1657.5	3.42	86.69
12	0.5994	12.87	0.07	19.97	101.22	79.40	11.16	303.94
				417.0	2114.0	1658.2	3.40	87.43
13	0.6004	14.92	0.09	20.02	101.25	79.36	11.18	303.91
				418.2	2114.7	1657.5	3.41	87.37
14	0.6008	17.04	0.07	20.05	101.29	79.36	11.18	304.06
				418.8	2115.4	1657.5	3.41	87.63
15	0.6009	19.07	0.01	20.05	101.25	79.32	11.17	304.27
				418.8	2114.7	1656.7	3.40	88.01
16	0.5999	21.46	0.03	19.99	101.22	79.36	11.14	304.66
				417.6	2114.0	1657.5	3.39	88.71
17	0.6009	-2.06	-0.01	20.05	101.25	79.32	11.14	305.07
				418.8	2114.7	1656.7	3.39	89.45

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 84 CONFIG 4 DHORZ(deg) -10.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
3	-0.52350	0.09432	0.26094	0.00944	0.00093	-0.00114
4	-0.30702	0.07663	0.28715	0.00315	-0.00081	0.00092
5	-0.13720	0.06562	0.29464	0.00135	0.00065	0.00085
6	0.08009	0.05940	0.29884	0.00419	0.00066	0.00015
7	0.28594	0.05996	0.29449	0.00311	0.00138	0.00010
8	0.48635	0.06505	0.28039	0.00501	0.00147	-0.00061
9	0.66209	0.09003	0.26526	0.00580	0.00040	-0.00092
10	0.69755	0.13825	0.21908	0.00720	0.00325	-0.00147
11	0.69741	0.18445	0.15929	0.00331	0.00676	-0.00018
12	0.68984	0.21883	0.12366	0.00245	0.01481	-0.00122
13	0.72035	0.26379	0.07759	0.00397	0.01364	-0.00272
14	0.77145	0.31476	0.05769	0.00458	0.00841	-0.00363
15	0.80883	0.36326	0.05792	0.00263	0.00134	-0.00041
16	0.86316	0.42618	0.06596	0.00253	0.00191	-0.00189
17	-0.13702	0.06485	0.29508	0.00162	0.00022	0.00080

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 85 CONFIG 4 DHORZ(deg) -10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7789	-6.69	-0.01	28.75	101.08	67.70	12.63	312.81
				600.4	2111.2	1414.0	3.85	103.39
2	0.7797	-4.48	-0.01	28.80	101.12	67.67	12.62	313.18
				601.5	2111.9	1413.3	3.85	104.06
3	0.7794	-2.12	-0.01	28.77	101.08	67.67	12.61	313.37
				600.9	2111.2	1413.3	3.84	104.39
4	0.7808	0.29	-0.01	28.85	101.12	67.60	12.59	313.97
				602.5	2111.9	1411.9	3.84	105.47
5	0.7823	2.77	0.00	28.92	101.12	67.50	12.59	314.25
				604.0	2111.9	1409.8	3.84	105.98
6	0.7802	4.88	0.00	28.82	101.12	67.64	12.58	314.12
				602.0	2111.9	1412.6	3.84	105.74
7	0.7802	7.04	0.00	28.82	101.12	67.64	12.54	314.87
				602.0	2111.9	1412.6	3.82	107.09
8	0.7808	9.14	0.00	28.85	101.12	67.60	12.56	314.72
				602.5	2111.9	1411.9	3.83	106.82
9	0.7804	11.08	0.03	28.82	101.08	67.60	12.52	315.17
				601.9	2111.2	1411.9	3.82	107.63
10	0.7813	13.28	0.06	28.87	101.12	67.57	12.53	315.24
				603.0	2111.9	1411.2	3.82	107.76
11	0.7797	15.39	0.11	28.80	101.12	67.67	12.49	315.76
				601.5	2111.9	1413.3	3.81	108.70
12	0.7808	17.47	0.13	28.85	101.12	67.60	12.50	315.84
				602.5	2111.9	1411.9	3.81	108.84
13	0.7802	19.69	0.01	28.82	101.12	67.64	12.48	316.02
				602.0	2111.9	1412.6	3.81	109.17
14	0.7804	21.71	0.02	28.82	101.08	67.60	12.47	316.19
				601.9	2111.2	1411.9	3.80	109.48
15	0.7808	-2.04	-0.01	28.85	101.12	67.60	12.47	316.38
				602.5	2111.9	1411.9	3.80	109.81

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 85 CONFIG 4 DHORZ(deg) -10.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.51566	0.12060	0.23640	0.00134	0.00072	0.00071
2	-0.37977	0.08612	0.24514	0.00400	0.00054	0.00049
3	-0.14819	0.06855	0.24762	0.00342	0.00153	0.00006
4	0.11393	0.06428	0.26796	0.00219	0.00176	0.00040
5	0.38274	0.07768	0.27107	0.00256	0.00296	0.00000
6	0.45674	0.09861	0.28333	0.00199	0.00363	0.00065
7	0.55217	0.12864	0.25471	0.00654	0.00270	-0.00094
8	0.59694	0.16481	0.19391	0.00438	0.00110	-0.00070
9	0.60712	0.19817	0.14087	0.00468	0.00571	-0.00133
10	0.69262	0.24684	0.09978	0.00281	0.00883	-0.00031
11	0.76989	0.29914	0.07386	0.00637	0.01233	-0.00275
12	0.83741	0.35657	0.06045	0.00437	0.01191	-0.00370
13	0.86260	0.40837	0.06761	0.00628	0.00159	-0.00071
14	0.90728	0.46292	0.08260	0.00360	0.00120	-0.00107
15	-0.13560	0.06753	0.24934	0.00310	0.00146	-0.00010

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
86	4	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8497	-6.60	-0.01	31.86	101.08	63.04	12.85	318.83
				665.5	2111.2	1316.7	3.92	114.22
2	0.8497	-4.26	-0.01	31.86	101.08	63.04	12.82	319.48
				665.5	2111.2	1316.7	3.91	115.40
3	0.8502	-2.02	-0.01	31.88	101.08	63.01	12.83	319.28
				665.9	2111.2	1316.0	3.91	115.03
4	0.8520	0.23	0.00	31.97	101.12	62.91	12.83	319.65
				667.7	2111.9	1314.0	3.91	115.70
5	0.8507	2.58	0.00	31.91	101.08	62.98	12.83	319.47
				666.4	2111.2	1315.3	3.91	115.37
6	0.8497	4.80	-0.01	31.86	101.08	63.04	12.79	320.10
				665.5	2111.2	1316.7	3.90	116.51
7	0.8492	7.07	0.01	31.84	101.08	63.08	12.78	320.29
				665.0	2111.2	1317.4	3.89	116.85
8	0.8512	9.17	-0.01	31.93	101.08	62.95	12.81	319.84
				666.8	2111.2	1314.7	3.90	116.04
9	0.8517	11.30	0.03	31.95	101.08	62.91	12.81	319.89
				667.2	2111.2	1314.0	3.90	116.14
10	0.8499	13.42	0.03	31.86	101.05	63.01	12.74	321.00
				665.4	2110.5	1316.0	3.88	118.13
11	0.8504	15.61	0.09	31.88	101.05	62.98	12.77	320.49
				665.9	2110.5	1315.3	3.89	117.22
12	0.8517	17.82	0.11	31.95	101.08	62.91	12.76	320.88
				667.2	2111.2	1314.0	3.89	117.92
13	0.8499	19.88	0.01	31.86	101.05	63.01	12.72	321.50
				665.4	2110.5	1316.0	3.88	119.03
14	0.8507	22.15	0.25	31.91	101.08	62.98	12.72	321.59
				666.4	2111.2	1315.3	3.88	119.20
15	0.8507	-2.03	-0.01	31.91	101.08	62.98	12.72	321.50
				666.4	2111.2	1315.3	3.88	119.03

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 86 CONFIG 4 DHORZ(deg) -10.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.39445	0.13639	0.22684	0.00111	0.00062	0.00120
2	-0.24419	0.10351	0.23545	0.00214	-0.00061	0.00102
3	-0.09049	0.08600	0.25185	0.00220	0.00058	0.00025
4	0.04481	0.08062	0.27582	0.00261	0.00240	-0.00027
5	0.16928	0.09111	0.29133	0.00041	0.00259	0.00055
6	0.30233	0.10980	0.29483	0.00232	0.00181	0.00073
7	0.45807	0.13919	0.27008	0.00347	0.00438	-0.00055
8	0.54321	0.17337	0.19617	0.00461	0.00088	-0.00021
9	0.63828	0.21812	0.14023	0.00546	0.00472	-0.00118
10	0.71632	0.26769	0.10939	0.00748	0.00510	-0.00135
11	0.80691	0.32462	0.08331	0.01064	0.01183	-0.00186
12	0.86953	0.38422	0.06915	0.00790	0.01016	-0.00312
13	0.90709	0.43851	0.08108	0.01159	0.00107	-0.00242
14	0.96006	0.50455	0.09366	-0.01628	0.01238	-0.00523
15	-0.09134	0.08560	0.25047	0.00164	0.00077	0.00027

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
87	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
19	0.5988	-6.56	-0.01	19.94	101.22	79.43	11.17	303.63
				416.4	2114.0	1658.9	3.40	86.86
20	0.6001	-4.28	-0.01	19.99	101.19	79.33	11.11	305.16
				417.6	2113.3	1656.8	3.39	89.62
21	0.6016	-2.05	-0.01	20.08	101.22	79.26	11.12	305.59
				419.4	2114.0	1655.3	3.39	90.39
22	0.6016	0.26	-0.01	20.08	101.22	79.26	11.12	305.42
				419.4	2114.0	1655.3	3.39	90.09
23	0.6010	2.64	-0.01	20.05	101.22	79.29	11.10	305.78
				418.8	2114.0	1656.0	3.38	90.73
24	0.5999	4.65	-0.01	19.99	101.22	79.36	11.07	306.09
				417.6	2114.0	1657.5	3.37	91.30
25	0.5998	6.95	-0.01	19.99	101.25	79.40	11.07	306.19
				417.6	2114.7	1658.2	3.37	91.47
26	0.5993	8.90	-0.01	19.97	101.25	79.43	11.05	306.43
				417.0	2114.7	1658.9	3.37	91.91
27	0.5988	10.85	-0.01	19.94	101.22	79.43	11.03	306.64
				416.4	2114.0	1658.9	3.36	92.28
28	0.6004	12.98	0.02	20.02	101.25	79.36	11.07	306.36
				418.2	2114.7	1657.5	3.37	91.77
29	0.5994	14.91	0.08	19.97	101.22	79.40	11.04	306.49
				417.0	2114.0	1658.2	3.37	92.01
30	0.5998	17.10	0.13	19.99	101.25	79.40	11.04	306.77
				417.6	2114.7	1658.2	3.37	92.51
31	0.5993	19.21	0.18	19.97	101.25	79.43	11.02	306.98
				417.0	2114.7	1658.9	3.36	92.89
32	0.5999	21.36	0.23	19.99	101.22	79.36	11.04	306.73
				417.6	2114.0	1657.5	3.37	92.45
33	0.6015	-1.99	-0.01	20.08	101.25	79.29	11.08	306.43
				419.4	2114.7	1656.0	3.38	91.91

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 87 CONFIG 3 DHORZ(deg) 0.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
19	-0.46523	0.05120	0.03784	0.00392	0.00018	0.00093
20	-0.24310	0.03536	0.03052	0.00547	-0.00011	0.00081
21	-0.03121	0.02972	0.02268	0.00483	0.00058	0.00069
22	0.18109	0.03182	0.01866	0.00362	0.00148	0.00065
23	0.40787	0.04169	0.01682	0.00523	0.00138	0.00017
24	0.58526	0.05616	0.01966	0.00633	0.00088	-0.00080
25	0.75842	0.08761	0.02456	0.00607	0.00005	-0.00036
26	0.78488	0.13825	0.00476	0.00961	-0.00143	-0.00116
27	0.76308	0.18656	-0.03020	0.00782	-0.00001	-0.00013
28	0.73630	0.22545	-0.02659	0.00661	0.00370	-0.00261
29	0.79105	0.27086	-0.02878	0.00756	0.01547	-0.00202
30	0.82988	0.32206	0.00071	0.00325	0.01751	-0.00479
31	0.88065	0.37600	0.02485	0.00258	0.02015	-0.00672
32	0.91955	0.43314	0.04464	0.00092	0.02122	-0.00963
33	-0.03260	0.02963	0.02274	0.00355	0.00064	0.00072

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
88	3	0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7785	-6.77	-0.02	28.75	101.15	67.77	12.70	311.54
				600.5	2112.6	1415.5	3.87	101.10
2	0.7792	-4.42	-0.02	28.78	101.12	67.70	12.65	312.51
				601.0	2111.9	1414.0	3.86	102.85
3	0.7801	-2.14	-0.02	28.82	101.15	67.67	12.64	313.02
				602.0	2112.6	1413.3	3.85	103.76
4	0.7785	0.24	-0.01	28.75	101.15	67.77	12.60	313.44
				600.5	2112.6	1415.5	3.84	104.53
5	0.7827	2.82	-0.01	28.94	101.15	67.50	12.63	313.67
				604.5	2112.6	1409.8	3.85	104.93
6	0.7811	5.07	0.00	28.87	101.15	67.60	12.58	314.34
				603.0	2112.6	1411.9	3.84	106.14
7	0.7787	7.16	-0.01	28.75	101.12	67.74	12.56	314.34
				600.5	2111.9	1414.8	3.83	106.14
8	0.7797	9.11	-0.03	28.80	101.12	67.67	12.54	314.79
				601.5	2111.9	1413.3	3.82	106.95
9	0.7806	11.16	0.01	28.85	101.15	67.64	12.55	314.87
				602.5	2112.6	1412.6	3.83	107.09
10	0.7785	13.33	0.09	28.75	101.15	67.77	12.51	315.28
				600.5	2112.6	1415.5	3.81	107.83
11	0.7799	15.52	0.09	28.82	101.19	67.70	12.54	315.03
				602.0	2113.3	1414.0	3.82	107.39
12	0.7787	17.55	0.09	28.75	101.12	67.74	12.51	315.29
				600.5	2111.9	1414.8	3.81	107.86
13	0.7792	19.74	0.06	28.78	101.12	67.70	12.50	315.46
				601.0	2111.9	1414.0	3.81	108.16
14	0.7789	21.83	0.26	28.78	101.19	67.77	12.52	315.24
				601.1	2113.3	1415.5	3.82	107.76
15	0.7785	-2.12	-0.01	28.75	101.15	67.77	12.49	315.67
				600.5	2112.6	1415.5	3.81	108.53

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 88 CONFIG 3 DHORZ(deg) 0.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.46852	0.08128	0.02013	0.00604	0.00153	-0.00008
2	-0.30681	0.04869	0.02751	0.00860	0.00084	-0.00030
3	-0.08187	0.03497	0.02593	0.00643	0.00173	-0.00026
4	0.17784	0.03595	0.02704	0.00524	0.00163	-0.00008
5	0.47171	0.05696	0.02665	0.00547	0.00202	-0.00032
6	0.56818	0.08857	0.01678	0.00358	0.00339	0.00042
7	0.67555	0.12768	-0.00545	0.01121	0.00210	-0.00147
8	0.69697	0.16633	-0.03630	0.00789	-0.00330	-0.00054
9	0.69375	0.20393	-0.05504	0.00553	0.00226	-0.00083
10	0.76927	0.25341	-0.05871	0.00636	0.01257	-0.00217
11	0.82790	0.30818	-0.02105	0.00580	0.01034	-0.00218
12	0.85367	0.35543	0.01971	0.00553	0.00867	-0.00281
13	0.88066	0.40830	0.04627	0.00469	0.00469	-0.00211
14	0.93010	0.46731	0.06272	-0.00342	0.01341	-0.00974
15	-0.08556	0.03451	0.02961	0.00434	0.00156	-0.00013

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 89 CONFIG 3 DHORZ(deg) 0.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8508	-6.50	-0.02	31.93	101.15	63.02	12.90	318.19
				666.9	2112.6	1316.1	3.93	113.08
2	0.8515	-4.21	-0.02	31.95	101.12	62.95	12.90	318.25
				667.3	2111.9	1314.7	3.93	113.18
3	0.8505	-1.98	-0.02	31.91	101.12	63.01	12.86	318.91
				666.4	2111.9	1316.0	3.92	114.36
4	0.8505	0.34	-0.01	31.91	101.12	63.01	12.88	318.47
				666.4	2111.9	1316.0	3.93	113.58
5	0.8510	2.75	0.00	31.93	101.12	62.98	12.92	317.89
				666.9	2111.9	1315.4	3.94	112.54
6	0.8507	5.02	-0.01	31.91	101.08	62.98	12.85	318.99
				666.4	2111.2	1315.3	3.92	114.52
7	0.8490	7.16	0.00	31.85	101.12	63.11	12.85	318.83
				665.1	2111.9	1318.1	3.92	114.22
8	0.8515	9.25	-0.01	31.95	101.12	62.95	12.83	319.65
				667.3	2111.9	1314.7	3.91	115.70
9	0.8508	11.29	0.03	31.93	101.15	63.02	12.83	319.59
				666.9	2112.6	1316.1	3.91	115.60
10	0.8502	13.49	-0.01	31.88	101.08	63.01	12.79	320.21
				665.9	2111.2	1316.0	3.90	116.71
11	0.8515	15.61	0.07	31.95	101.12	62.95	12.82	319.86
				667.3	2111.9	1314.7	3.91	116.07
12	0.8512	17.72	0.02	31.93	101.08	62.95	12.77	320.76
				666.8	2111.2	1314.7	3.89	117.69
13	0.8502	19.82	0.01	31.88	101.08	63.01	12.77	320.64
				665.9	2111.2	1316.0	3.89	117.49
14	0.8500	-2.03	-0.01	31.89	101.12	63.04	12.80	320.04
				666.0	2111.9	1316.7	3.90	116.41

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 89 CONFIG 3 DHORZ(deg) 0.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.31375	0.09816	-0.02488	0.00880	0.00147	-0.00125
2	-0.16371	0.06984	-0.01972	0.00989	0.00047	-0.00149
3	-0.01183	0.05540	0.01053	0.00861	0.00113	-0.00098
4	0.12930	0.05488	0.04536	0.00549	0.00190	-0.00028
5	0.25349	0.07246	0.06091	0.00517	0.00348	-0.00086
6	0.41051	0.09978	0.03564	0.00284	0.00227	0.00070
7	0.57515	0.13542	0.00179	0.00782	0.00302	-0.00103
8	0.65737	0.17773	-0.03985	0.00896	-0.00020	-0.00126
9	0.71383	0.21958	-0.06911	0.00565	0.00482	-0.00122
10	0.78294	0.27230	-0.06069	0.00890	0.00088	-0.00040
11	0.85697	0.32877	-0.02131	0.00658	0.00926	-0.00072
12	0.86507	0.37496	0.02532	0.00723	0.00296	-0.00051
13	0.91660	0.43454	0.04863	0.00541	0.00139	-0.00112
14	-0.02250	0.05429	0.01160	0.00589	0.00095	-0.00091

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 90 CONFIG 3 DHORZ(deg) -10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
3	0.5999	-6.57	0.00	19.99	101.22	79.36	11.02	307.11
				417.6	2114.0	1657.5	3.36	93.12
4	0.6012	-4.24	-0.01	20.05	101.19	79.26	11.03	307.27
				418.7	2113.3	1655.3	3.36	93.42
5	0.5988	-2.02	0.00	19.94	101.22	79.43	10.98	307.63
				416.4	2114.0	1658.9	3.35	94.06
6	0.5994	0.21	0.00	19.97	101.22	79.40	11.00	307.50
				417.0	2114.0	1658.2	3.35	93.83
7	0.6005	2.47	-0.01	20.02	101.22	79.33	11.00	307.80
				418.2	2114.0	1656.8	3.35	94.37
8	0.6010	4.68	0.00	20.05	101.22	79.29	11.01	307.67
				418.8	2114.0	1656.0	3.36	94.13
9	0.6005	6.82	-0.01	20.02	101.22	79.33	10.98	308.12
				418.2	2114.0	1656.8	3.35	94.94
10	0.6009	8.87	0.00	20.05	101.25	79.32	10.99	308.08
				418.8	2114.7	1656.7	3.35	94.87
11	0.5999	10.84	0.02	19.99	101.22	79.36	10.99	307.83
				417.6	2114.0	1657.5	3.35	94.43
12	0.5994	12.85	0.06	19.97	101.22	79.40	10.98	307.91
				417.0	2114.0	1658.2	3.35	94.57
13	0.5994	14.86	0.09	19.97	101.22	79.40	10.99	307.76
				417.0	2114.0	1658.2	3.35	94.30
14	0.5988	16.89	0.01	19.94	101.22	79.43	10.96	308.17
				416.4	2114.0	1658.9	3.34	95.04
15	0.5999	19.07	0.02	19.99	101.22	79.36	10.98	307.95
				417.6	2114.0	1657.5	3.35	94.64
16	0.6010	21.18	0.03	20.05	101.22	79.29	10.97	308.49
				418.8	2114.0	1656.0	3.35	95.61
17	0.5999	-2.05	0.00	19.99	101.22	79.36	10.98	308.12
				417.6	2114.0	1657.5	3.35	94.94

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 90 CONFIG 3 DHORZ(deg) -10.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
3	-0.51268	0.09808	0.12621	-0.00325	-0.00080	0.00230
4	-0.29672	0.07986	0.13902	-0.00376	-0.00059	0.00258
5	-0.10213	0.07013	0.15030	-0.00412	-0.00096	0.00262
6	0.09324	0.06681	0.16464	-0.00412	-0.00020	0.00226
7	0.29332	0.06864	0.18772	-0.00087	-0.00012	0.00163
8	0.47552	0.07735	0.21671	0.00161	0.00099	0.00036
9	0.63407	0.09710	0.23834	0.00302	0.00017	0.00032
10	0.66675	0.14144	0.22203	0.00470	0.00101	-0.00013
11	0.66730	0.18343	0.17228	0.00324	0.00745	0.00071
12	0.65254	0.21521	0.14692	0.00089	0.01340	0.00102
13	0.68970	0.25795	0.12269	0.00197	0.01409	-0.00222
14	0.71831	0.30110	0.12652	0.00342	0.00284	-0.00004
15	0.77646	0.35558	0.11722	0.00268	0.00282	0.00000
16	0.82798	0.41174	0.11062	-0.00201	0.00385	-0.00023
17	-0.11667	0.06992	0.14962	-0.00488	-0.00098	0.00238

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
91	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.7783	-6.82	0.00	28.72	101.08	67.74	12.62	312.87
				599.9	2111.2	1414.8	3.85	103.49
2	0.7789	-4.55	0.00	28.75	101.08	67.70	12.58	313.91
				600.4	2111.2	1414.0	3.83	105.37
3	0.7797	-2.19	-0.01	28.80	101.12	67.67	12.59	313.97
				601.5	2111.9	1413.3	3.84	105.47
4	0.7789	0.27	-0.01	28.75	101.08	67.70	12.55	314.51
				600.4	2111.2	1414.0	3.82	106.45
5	0.7782	2.62	0.00	28.73	101.12	67.77	12.51	315.07
				600.0	2111.9	1415.5	3.81	107.46
6	0.7787	5.03	0.00	28.75	101.12	67.74	12.54	314.62
				600.5	2111.9	1414.8	3.82	106.65
7	0.7782	7.08	0.00	28.73	101.12	67.77	12.51	315.24
				600.0	2111.9	1415.5	3.81	107.76
8	0.7794	9.06	-0.02	28.77	101.08	67.67	12.48	315.84
				600.9	2111.2	1413.3	3.80	108.84
9	0.7785	11.02	0.01	28.72	101.05	67.70	12.50	315.17
				599.9	2110.5	1414.0	3.81	107.63
10	0.7787	13.14	0.03	28.75	101.12	67.74	12.48	315.76
				600.5	2111.9	1414.8	3.81	108.70
11	0.7776	15.39	0.09	28.70	101.12	67.81	12.46	316.02
				599.5	2111.9	1416.2	3.80	109.17
12	0.7773	17.47	-0.01	28.68	101.08	67.81	12.45	316.08
				598.9	2111.2	1416.2	3.80	109.27
13	0.7778	19.47	0.01	28.70	101.08	67.77	12.44	316.43
				599.4	2111.2	1415.5	3.79	109.91
14	0.7773	21.87	0.02	28.68	101.08	67.81	12.42	316.72
				598.9	2111.2	1416.2	3.79	110.42
15	0.7787	-2.14	-0.01	28.75	101.12	67.74	12.44	316.61
				600.5	2111.9	1414.8	3.79	110.22
16	0.7797	-6.80	0.00	28.80	101.12	67.67	12.48	316.02
				601.5	2111.9	1413.3	3.80	109.17

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 91 CONFIG 3 DHORZ(deg) -10.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.52227	0.12976	0.12099	-0.00749	-0.00085	0.00346
2	-0.38308	0.09315	0.12965	-0.00639	-0.00176	0.00343
3	-0.15653	0.07489	0.13690	-0.00308	-0.00008	0.00230
4	0.12387	0.07111	0.13860	-0.00072	0.00184	0.00128
5	0.37691	0.08191	0.14607	-0.00083	0.00172	0.00083
6	0.49786	0.11115	0.16435	0.00114	0.00312	0.00030
7	0.57323	0.14111	0.17131	0.00106	0.00186	0.00041
8	0.56880	0.16750	0.19490	-0.00541	-0.00227	0.00316
9	0.58168	0.19680	0.14856	0.00199	0.00240	0.00006
10	0.65404	0.24199	0.13052	0.00270	0.00506	-0.00038
11	0.74029	0.29509	0.11855	0.00563	0.01107	-0.00191
12	0.77186	0.34290	0.11456	0.00617	0.00088	0.00022
13	0.83140	0.39750	0.09866	0.00450	0.00201	0.00012
14	0.89376	0.46377	0.09052	0.00045	0.00187	0.00013
15	-0.14361	0.07457	0.13698	-0.00433	-0.00021	0.00243
16	-0.52241	0.13026	0.11968	-0.01005	-0.00095	0.00377

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN	CONFIG	DHORZ(deg)
92	3	-10.0

SEQ	MACH	ALPHA (deg)	BETA (deg)	Q (kPa) (PSF)	PT (kPa) (PSF)	P (kPa) (PSF)	REPX (1/m) (1/ft)	TEMP (K) (F)
1	0.8497	-6.65	-0.01	31.86	101.08	63.04	12.84	319.02
				665.5	2111.2	1316.7	3.91	114.56
2	0.8504	-4.36	-0.01	31.88	101.05	62.98	12.78	320.29
				665.9	2110.5	1315.3	3.89	116.85
3	0.8517	-1.86	-0.01	31.95	101.08	62.91	12.80	320.14
				667.2	2111.2	1314.0	3.90	116.58
4	0.8502	0.21	-0.01	31.88	101.08	63.01	12.82	319.50
				665.9	2111.2	1316.0	3.91	115.43
5	0.8499	2.54	-0.01	31.86	101.05	63.01	12.80	319.91
				665.4	2110.5	1316.0	3.90	116.17
6	0.8502	5.01	0.00	31.88	101.08	63.01	12.81	319.76
				665.9	2111.2	1316.0	3.90	115.90
7	0.8514	7.01	0.01	31.92	101.05	62.91	12.80	320.03
				666.7	2110.5	1314.0	3.90	116.38
8	0.8517	9.18	-0.02	31.95	101.08	62.91	12.80	320.23
				667.2	2111.2	1314.0	3.90	116.75
9	0.8494	11.27	0.03	31.84	101.05	63.04	12.74	320.96
				665.0	2110.5	1316.7	3.88	118.06
10	0.8509	13.37	0.02	31.90	101.05	62.94	12.76	320.85
				666.3	2110.5	1314.6	3.89	117.86
11	0.8496	15.66	0.09	31.84	101.02	63.01	12.73	321.11
				664.9	2109.8	1316.0	3.88	118.33
12	0.8506	17.70	-0.03	31.88	101.02	62.94	12.72	321.35
				665.8	2109.8	1314.6	3.88	118.76
13	0.8504	20.03	-0.02	31.88	101.05	62.98	12.73	321.29
				665.9	2110.5	1315.3	3.88	118.66
14	0.8514	22.09	0.20	31.92	101.05	62.91	12.68	322.46
				666.7	2110.5	1314.0	3.86	120.75
15	0.8514	-2.05	0.00	31.92	101.05	62.91	12.73	321.41
				666.7	2110.5	1314.0	3.88	118.87

TABLE 3.4 (CONTINUED)

NASA/ARC TEST 441-14 FORCE DATA (STABILITY AXIS)

RUN 92 CONFIG 3 DHORZ(deg) -10.0

SEQ	C_L	C_D	C_m	C_Y	C_l	C_n
1	-0.39958	0.14448	0.11591	-0.00684	-0.00063	0.00334
2	-0.25005	0.11238	0.12125	-0.00545	-0.00173	0.00318
3	-0.06985	0.09111	0.14128	-0.00480	-0.00051	0.00265
4	0.07205	0.08564	0.15588	-0.00075	0.00111	0.00116
5	0.20561	0.09753	0.15784	0.00087	0.00244	0.00106
6	0.35468	0.12085	0.14973	-0.00010	0.00218	0.00132
7	0.47782	0.14872	0.15798	-0.00257	0.00320	0.00122
8	0.53590	0.17897	0.18164	0.00054	-0.00077	0.00149
9	0.61164	0.21619	0.14327	0.00205	0.00523	-0.00040
10	0.69083	0.26535	0.12744	0.00422	0.00360	0.00001
11	0.78709	0.32365	0.10187	0.01082	0.01070	-0.00225
12	0.82217	0.37236	0.09489	0.00680	-0.00004	0.00100
13	0.93218	0.44957	0.08452	0.00619	0.00082	0.00075
14	0.97390	0.50827	0.07797	-0.00091	0.00869	-0.00747
15	-0.08653	0.09290	0.14126	-0.00728	-0.00096	0.00285

LIST OF ABBREVIATIONS

SYMBOLS

CONFIG	Model configuration
C_l	Rolling moment coefficient (stability axis)
C_L	Lift coefficient
C_D	Drag coefficient
C_m	Pitching moment coefficient
C_n	Yawing moment coefficient (stability axis)
C_Y	Side force coefficient (stability axis)
P	Freestream static pressure
PT	Total pressure
Q	Freestream dynamic pressure
REPX	Reynolds number per unit length / 10^6
SEQ	Run sequence number
TEMP	Freestream total temperature
α, ALPHA	Angle of attack (referenced to the body)
β, BETA	Angle of sideslip
δ_H, DHORZ	Horizontal tail deflection angle

NOMENCLATURE

ARC	Ames Research Center
BL	Buttock line
B_{3M}	Model 603E body with two-place canopy
FS	Fuselage station
H_7	Horizontal T-Tail
H_{7a}	Horizontal mid-tail
H_{7b}	Horizontal low-tail
N_6	Flow-through engine nacelle
PSF	lbf/ft2

LIST OF ABBREVIATIONS (cont'd)

NOMENCLATURE

R_2	Vertical tail rudder
SS	Span station
V_3	Vertical tail
WL	Waterline
W_9	Baseline steel wing
W_{10}	Modified aluminum wing

DISTRIBUTION LIST

Office of Naval Research
800 North Quincy Street
Arlington, Virginia 22217
R.E. Whitehead, Scientific Officer 1
M. Thomas, Administrative Contracting Officer 1

Director
Naval Research Laboratory
Washington, D.C. 20375
Code 2627 6

Office of Naval Research
Detachment, Chicago
536 South Clark Street
Chicago, Illinois 60605 1

Defense Technical Information Center
Bldg. 5, Cameron Station
Alexandria, Virginia 22314 12

NASA/Ames Research Center
Aerodynamics Research Branch
Moffett Field, California 94035
R. M. Hicks, M.S. 227-8 1

Naval Air Systems Command
Washington, D.C. 20361
D. G. Kirkpatrick 1