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1- BY 3-METER SEMISPAN WING WITH A
NONSTREAMWISE TIP IN SUBSONIC FLOW (NASA)
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SEMISPAN WING WITH A NONSTREAMWISE TIP
IN SUBSONIC FLOW

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Langley Research Center
Hampton, Virginia 23665



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SUMMARY

Previous pressure data have been presented on a 1- by 3-meter semispan wing which has streamwise tip fairings for the various sweep angles. The present report contains pressure distributions on a 1- by 3-meter semispan wing with a tip that is streamwise at 0° sweep. This tip becomes nonstreamwise as the wing is swept. At 0° sweep angle, the semispan wing has a taper ratio of 1.0 and NACA 0012 airfoil section contours. The test was conducted in the Langley V/STOL tunnel at a free-stream dynamic pressure of 2.46 kPa (51 lbf/ft²). Pressure distributions are presented for sweep angles of 10° , 20° , 30° , and 40° with an angle-of-attack range from -6° to 20° . The data are presented without analysis or discussion.

INTRODUCTION

Previous pressure data (ref. 1) have been presented on a 1- by 3-meter semispan wing with a streamwise tip fairing at sweep angles of 0° , 10° , 20° , 30° , and 40° . Recent efforts to develop three-dimensional boundary-layer codes for arbitrary wing geometry has raised interests in obtaining detailed flow-field data around the root and tip regions of finite wings. The present report provides pressure distribution data on a 1- by 3-meter semispan wing at 10° , 20° , 30° , and 40° sweep with a nonstreamwise tip fairing. The nonstreamwise tip fairing is used to provide a closer look at the detailed pressures near the tip of the wing.

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SYMBOLS

Values are presented in both SI and U.S. Customary Units. Values were obtained in U.S. Customary Units. Second symbol denotes computer printout symbol. The coefficients and symbols are defined as follows:

A	aspect ratio, b^2/S
b	span, m (ft)
C_p, C_P	pressure coefficient, $\frac{p - p_\infty}{q_\infty}$
c, C	chord normal to leading edge, m (ft)
c_n	section normal-force coefficient, $\int_0^1 (C_{p,l} - C_{p,u}) d\left(\frac{x}{c}\right)$
p	local static pressure, kPa (lbf/ft ²)
p_∞	free-stream static pressure, kPa (lbf/ft ²)
q_∞	free-stream dynamic pressure, kPa (lbf/ft ²)
S	wing area, m ² (ft ²)
U_∞	free-stream velocity, m/sec (ft/sec)
x, X	distance in chordwise direction, m (ft)
y, Y	distance in spanwise direction, m (ft)
z, Z	normal distance from x,y plane, m (ft)
α	geometric angle of attack, deg
η	semispan location, $\frac{y}{b/2}$

Λ sweep angle, deg

$\sqrt{}$, SQRT square root

Subscripts:

ℓ, l lower surface

u, U upper surface

MODEL DESCRIPTION

A semispan pressure wing of taper ratio 1.0 was constructed with NACA 0012 airfoil section contours. The NACA 0012 airfoil section was selected because of its good low- and high-speed performance characteristics and because of the availability of additional test data over a wide range of test conditions. (See refs. 2 to 4.) Coordinates of the NACA 0012 airfoil are given in reference 2 and are also presented in table I as pressure tap locations. A schematic drawing of the model and support system is shown in figure 1. The range of sweep angles, 0° to 40° , was made possible by the movement in the pitch mechanisms of the model support system with the addition of one of the two wedge blocks (i.e., 12° or 33°) at the wing root. The wing slot inserts prevented flow through the reflection plate. The wing tip was made with a semibody of revolution shape having a radius equal to one-half the thickness of the wing at a given chord location. These tip fairings did not contain static-pressure taps.

To insure sufficient available data, 60 pressure orifices were installed in each of 10 chordwise stations making a total of 600. The spanwise distributions of the pressure taps are presented in table II and were determined by the following equation for $\Lambda = 0^\circ$:

$$\eta = 0.05 + 0.95 \cos \frac{\pi(10 - k)}{20} \quad (0 \leq k \leq 9)$$

where k is the station number starting near the wing root. This distribution allowed for a concentration of pressure taps in the outboard section of the wing

where the spanwise pressure gradients are the largest. Values of wing span and aspect ratio for the wing at different sweep angles are presented in table III.

A circular reflection plate with a diameter of 3.05 meters (10 ft) was designed to simulate a full-span wing and to move the semispan model away from the tunnel-wall boundary layer and the model support system.

The model was fabricated by covering a solid aluminum spar with a fiber glass skin. The pressure tubings were embedded in the fiber glass skin and routed to a set of scanivalves attached to the sting mount below the reflection plate. A photograph of the model mounted in the Langley V/STOL tunnel at 30° sweep is shown in figure 2.

TESTS AND CORRECTIONS

The investigation was conducted in the Langley V/STOL tunnel at a free-stream dynamic pressure of 2.46 kPa (51 lbf/ft²). Pressure measurements were obtained through an angle-of-attack range from approximately -6° to 20° for each of the four sweep conditions, 10°, 20°, 30°, and 40°. A transition strip consisting of No. 80 carborundum grit was installed on the upper and lower surfaces at 0.05x/c. The grit size was selected according to reference 5.

A correction due to the blockage effects of the model and support systems was applied to the free-stream dynamic pressure by using the method described in reference 6. A correction due to the jet-boundary effects was applied to the angle of attack by using the method described in reference 7. In addition, a correction due to flow angularity of the wind tunnel and the misalignment of the model in the tunnel was applied to the angle of attack. The flow-angularity correction was obtained by plotting and matching the upper and lower surface c_n obtained from a pressure integration at the indicated angle of attack for 0° sweep. The angle correction is the offset angle from 0° to the intersection of the upper and lower surface c_n curves because the NACA 0012 airfoil is a symmetric section.

PRESENTATION OF RESULTS

The pressure data are presented as plots of pressure coefficient against the square root of x/c locations. Plotting the pressures against the square root of x/c instead of against x/c has the effect of spreading the nose pressure distribution. The pressure data are presented at sweep angles of 10° , 20° , 30° , and 40° for an angle-of-attack range of -6° to 20° . Tabulation of the pressure data is presented in tables IV to VII. The data are presented for analysis or discussion as follows:

Sweep angle, deg	α , deg	q_∞ kPa (lbf/ft ²)	Figure	Table
10	-5.68 to 19.53	2.47 (51.6)	3	IV
20	-5.88 to 17.19	2.46 (51.3)	4	V
30	-5.85 to 17.14	2.48 (51.7)	5	VI
40	-5.81 to 17.01	2.46 (51.4)	6	VII

REFERENCES

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3. Gregory, N.; and Wilby, P. G.: NPL 9615 and NACA 0012 - A Comparison of Aerodynamic Data. C.P. No. 1261, Brit. A.R.C., 1973
4. Gregory, N.; and O'Reilly, C. L.: Low-Speed Aerodynamic Characteristics of NACA 0012 Aerofoil Section, Including the Effects of Upper-Surface Roughness Simulating Hoar Frost. R. & M. No. 3726, Brit. A.R.C., 1973
5. Braslow, Albert L.; and Knox, Eugene C.: Simplified Method for Determination of Critical Height of Distributed Roughness Particles for Boundary-Layer Transition at Mach Numbers From 0 to 5. NACA TN 4363, 1958
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7. Polhamus, Edward C.: Jet-Boundary-Induced-Upwash Velocities for Swept Reflection-Plane Models Mounted Vertically in 7- by 10-Foot, Closed, Rectangular Wing Tunnels. NACA TN 1752, 1948

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TABLE I.- CHORDWISE LOCATION OF STATIC-PRESSURE TAPS

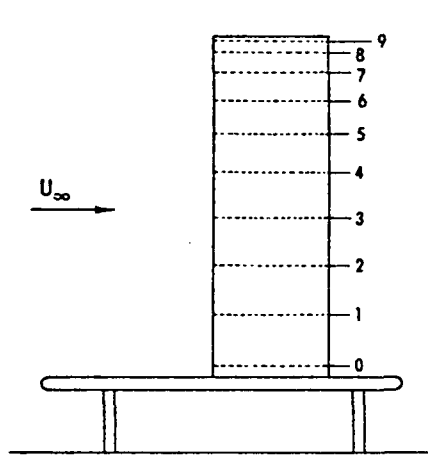
x/c	z/c for -	
	Upper surface	Lower surface
0	0	0
.001938	.007786	-.007786
.005101	.012371	-.012371
.008412	.015751	-.015751
.012003	.018643	-.018643
.015533	.021081	-.021081
.020164	.023692	-.023692
.026691	.026927	-.026927
.043449	.033474	-.033474
.068029	.040393	-.040393
.096415	.046215	-.046215
.127694	.050912	-.050912
.161629	.054573	-.054573
.197963	.057260	-.057260
.236335	.059018	-.059018
.276981	.059893	-.059893
.319422	.059933	-.059933
.363751	.059168	-.059168
.410335	.057631	-.057631
.458507	.055365	-.055365
.508984	.052366	-.052366
.561119	.048693	-.048693
.615491	.044342	-.044342
.671552	.039352	-.039352
.728190	.033838	-.033838
.785998	.027770	-.027770
.843881	.021246	-.021246
.900483	.014420	-.014420
.956240	.007242	-.007242
.99619	.001793	-.001793
1.0000	0	0

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TABLE II.- SPANWISE LOCATION OF PRESSURE ROWS



Pressure station	$\eta(\Lambda = 0^\circ)$
0	0.05
1	.1986
2	.3436
3	.4813
4	.6084
5	.7218
6	.8186
7	.8965
8	.9539
9	.9883

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TABLE III. - WING SPAN AND ASPECT RATIO FOR WING
PLANFORM AT DIFFERENT SWEEP ANGLES

Sweep, deg	b/2, m	Aspect ratio, A
10	2.98	6.03
20	2.91	5.80
30	2.83	5.37
40	2.53	4.44

TABLE IV

PRESSURE DISTRIBUTIONS AT 10° SWEEP

$$\alpha = -5.68^\circ$$

SWEEP= 9.72

SPANWISE LOCATIONS

SQPT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.000000	.12172		.12862		.13551		.20235		.20500		.37953		.38218		.51002		.59490		.64264	
.044023	.87817		.89514		.86278		.88241		.90098		.91371		.93068		.94076		.93652		.87923	
.071421	.95586		.95850		.96251		.95827		.95031		.94341		.92591		.89567		.85801		.73653	
.091717	.84620		.86641		.88506		.89037		.87180		.87021		.82883		.78799		.72698		.57898	
.109558	.80755		.78832		.79977		.78145		.77320		.71549		.69717		.63671		.57121		.41822	
.124631	.74160		.70953		.73431		.72007		.70083		.67381		.64129		.57487		.48281		.33166	
.142000	.63715		.63716		.62663		.62984		.60648		.59503		.53273		.44845		.37059		.21715	
.163374	.51624		.52640		.49884		.51641		.49745		.45761		.42555		.41090		.26707		.11409	
.205444	.37848		.34657		.35410		.34443		.33077		.26958		.25273		.19135		.12401		.00994	
.260824	.21914		.18141		.21645		.19409		.17719		.14712		.11009		.06909		.00894		.00000	
.310508	.10338		.10761		.09319		.09568		.07828		.05490		.01988		-.04473		-.11381		-.20253	
.357343	.02335		.01641		.00174		.00547		-.01640		-.06946		-.10905		-.11965		-.13815		-.23314	
.402031	.06873		.02647		.01767		.02963		.03349		.08942		.10905		.14492		.18756		.25028	
.444530	-.04245		.07723		.06473		-.06731		.07746		-.08942		.14402		.17064		.21035		.26044	
.484141	-.07959		.08741		.04077		.08157		.09438		.10160		.13793		.12642		.20493		.25344	
.526290	-.09122		.09733		.10724		.10160		.11762		.13831		.15334		.17577		.19820		.24709	
.565175	-.04174		.11414		.10539		.11271		.11694		.12625		.14314		.16731		.18953		.22995	
.603174	-.06487		.09420		.07461		.09765		.11567		.11990		.15461		.16942		.1587		.24264	
.640574	-.11312		.11715		.11452		.10445		.11249		.12202		.13535		.15651		.16233		.22402	
.677131	-.10635		.11271		.11249		.17516		.11588		.12498		.13454		.15109		.16974		.21288	
.713431	-.09583		.10949		.10096		.10399		.10632		.11215		.12078		.13640		.15692		.20192	
.749079	-.11099		.11751		.10359		.10189		.10539		.11215		.12544		.13523		.15948		.20448	
.784532	-.10609		.10432		.09909		.09093		.09476		.10189		.09373		.11262		.13687		.18676	
.819483	-.09526		.09147		.08407		.08091		.08487		.08744		.05421		.07455		.09468		.14221	
.853340	-.06305		.06197		.05321		.05135		.04995		.05974		.06430		.05750		.07567		.12375	
.884565	-.06113		.05191		.03709		.03514		.03569		.03661		.04380		.03178		.05498		.09692	
.918630	-.04435		.02563		.01221		.00327		.00774		.00886		.02284		.00931		.01333		.05582	
.948538	-.03152		.00647		.01435		.02050		.02217		.02149		.07515		.07068		.04833		.01314	
.977875	.03157		.05584		.06490		.07064		.07403		.07347		.13824		.13268		.11621		.08800	
.999093	.06202		.10551		.09666		.13214		.13455		.13824		.15001		.14694		.11901		.07292	
1.000000	.07962		.11429		.13577		.15113		.14862		.15197									

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(a) Concluded.

TEST=116
RUN= 16
POINT=279

TABLE IV. - Continued.

(b) $\alpha = -3.57^\circ$

SWEEP= 9.72

SPANWISE LOCATIONS

SGRT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.000000	.64937		.60500		.65201		.65941		.66364		.72491		.74763		.77668		.79939		.79094	
.044023	.95602		.55945		.95734		.95576		.95153		.94994		.93779		.92617		.90293		.82528	
.071421	.77410		.85497		.76807		.84641		.83426		.80837		.79834		.75344		.70959		.60077	
.091717	.74499		.68794		.70801		.69586		.68668		.66733		.63084		.57066		.52682		.39317	
.105554	.54029		.59440		.58527		.58071		.57843		.54286		.49314		.45026		.40465		.27876	
.124631	.48210		.52233		.48767		.47546		.48037		.43977		.40602		.36360		.30750		.17477	
.142000	.43065		.38145		.39463		.37409		.35676		.32027		.31799		.28013		.19256		.09769	
.163374	.33076		.28287		.27101		.28606		.27468		.23999		.23133		.20077		.08563		.00220	
.208444	.12413		.12219		.11324		.11897		.10586		.07839		.04151		.00514		-.03495		-.12874	
.260824	-.01639		.00736		-.01070		-.01664		-.01392		-.04708		-.08073		-.09455		-.14235		-.21457	
.310508	-.06351		-.10053		-.09731		-.11058		-.11934		-.15126		-.14310		-.17502		-.22253		-.27499	
.357343	-.11068		-.15918		-.15101		-.15596		-.15695		-.16784		-.16566		-.21932		-.25248		-.29949	
.402031	-.16034		-.16425		-.14443		-.16668		-.16983		-.18196		-.19858		-.22173		-.21813		-.27363	
.444930	-.18468		-.17926		-.19506		-.15454		-.18847		-.18190		-.21723		-.23296		-.25206		-.28284	
.461143	-.17547		-.20240		-.19658		-.20532		-.20555		-.21431		-.21944		-.23768		-.23925		-.27610	
.526290	-.17971		-.20622		-.20034		-.20218		-.18173		-.21660		-.20173		-.19095		-.24846		-.26509	
.565174	-.19524		-.20819		-.19765		-.19913		-.20313		-.20524		-.22084		-.23264		-.23348		-.24928	
.603118	-.16330		-.16141		-.15045		-.17721		-.18522		-.19028		-.20672		-.21262		-.21725		-.22547	
.640574	-.17742		-.19024		-.18754		-.18880		-.18438		-.18796		-.19323		-.20081		-.20798		-.22568	
.677131	-.16604		-.18145		-.17084		-.22442		-.16520		-.17405		-.17827		-.19091		-.19547		-.20840	
.713431	-.16791		-.16747		-.15351		-.15212		-.15398		-.15746		-.16303		-.17255		-.17232		-.18253	
.749079	-.15769		-.14655		-.14678		-.13726		-.13470		-.13378		-.14515		-.14910		-.15212		-.15932	
.774532	-.13454		-.13865		-.13215		-.13308		-.12481		-.12965		-.12658		-.13052		-.13749		-.15119	
.819483	-.12147		-.12100		-.11609		-.10591		-.10452		-.10382		-.10336		-.11218		-.11468		-.13308	
.853340	-.11130		-.10155		-.08741		-.08207		-.08068		-.08123		-.08123		-.08763		-.09181		-.10462	
.886565	-.09125		-.07399		-.06731		-.05952		-.05668		-.05534		-.06007		-.06314		-.06954		-.07873	
.918630	-.06258		-.04476		-.03613		-.02697		-.03084		-.02500		-.02333		-.02834		-.03753		-.05200	
.948934	-.03029		-.00468		-.00590		-.00580		.01342		.01592		.01509		.00980		-.00134		-.01331	
.977875	-.01233		.04254		.05923		.06507		.06674		.07369		.07481		.07091		.06006		.04226	
.998093	.06757		.11150		.11403		.13550		.13267		.14129		.13879		.14463		.13239		.11431	
1.000000	.08482		.12182		.13016		.13767		.14268		.15353		.15454		.15687		.14268		.10819	

(b) Concluded.

TEST=116
RUN= 16
POINT=280

TABLE IV. - Continued.

(c) $\alpha = -1.46^\circ$

SWEEP= 9.72

SPANWISE LOCATIONS

	STATION 0	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5	STATION 6	STATION 7	STATION 8	STATION 9
SORT(X/C)	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU
0.000000	.91033	.90821	.90874	.91244	.92009	.90874	.92670	.92829	.92300	.97757
.044023	.84535	.85561	.84852	.84852	.83479	.81736	.80890	.79834	.78302	.70537
.071421	.57172	.50245	.60342	.57542	.59496	.57912	.55429	.50569	.50522	.41542
.091717	.34806	.38414	.37415	.37521	.38578	.36412	.35518	.30865	.29598	.19191
.109559	.27101	.21947	.25003	.21947	.22175	.21719	.17477	.15744	.11502	.04706
.124631	.13782	.13372	.15014	.14239	.12597	.10498	.09723	.07397	.05393	-.03231
.142000	.03439	.03411	.04934	.03201	.03253	.03885	.01558	-.02090	-.03504	-.10529
.163374	-.02501	-.05234	-.04459	-.02364	-.01817	-.06378	-.03231	-.02420	-.12672	-.16184
.208444	-.12701	-.17378	-.15497	-.16190	-.17452	-.17230	-.19453	-.20991	-.23565	-.27450
.248324	-.24579	-.25149	-.22944	-.23565	-.24406	-.26460	-.27945	-.27252	-.27845	-.32276
.310508	-.26727	-.30048	-.29974	-.30024	-.24885	-.31014	-.30420	-.31830	-.32597	-.33934
.357343	-.20345	-.32350	-.32746	-.32350	-.31310	-.31607	-.31063	-.32548	-.33315	-.34577
.402031	-.29677	-.33092	-.31699	-.31137	-.31226	-.31609	-.31542	-.31901	-.31115	-.30755
.444030	-.31644	-.32530	-.31609	-.31137	-.31384	-.31362	-.31115	-.31272	-.30980	-.31272
.486143	-.31519	-.32035	-.31429	-.30912	-.29901	-.30238	-.30688	-.30890	-.29430	-.26643
.526290	-.25856	-.30643	-.30643	-.29250	-.21520	-.25430	-.25565	-.26509	-.27520	-.27879
.603118	-.29733	-.29544	-.28649	-.29649	-.29544	-.28722	-.26572	-.29017	-.27015	-.25603
.545174	-.25140	-.25666	-.25729	-.25434	-.26446	-.26404	-.26572	-.25466	-.24128	-.22336
.640574	-.26720	-.26484	-.25729	-.24760	-.23812	-.23880	-.24254	-.23559	-.21843	-.20924
.677131	-.24254	-.24591	-.23769	-.26888	-.22357	-.21894	-.21114	-.20735	-.19449	-.18459
.712431	-.23169	-.23249	-.22201	-.21450	-.21132	-.20407	-.20993	-.20459	-.18393	-.16837
.749079	-.21422	-.21040	-.20068	-.15182	-.18996	-.18764	-.18393	-.17209	-.16048	-.14190
.784532	-.14554	-.18427	-.17650	-.16437	-.15955	-.15839	-.15676	-.14940	-.13261	-.12031
.815483	-.16460	-.16094	-.15165	-.14422	-.13424	-.12835	-.11775	-.11334	-.10545	-.09732
.853340	-.14749	-.13524	-.12382	-.11659	-.10507	-.10517	-.10267	-.09849	-.08402	-.06759
.886555	-.12021	-.10239	-.08875	-.08179	-.07401	-.07511	-.07177	-.06230	-.05896	-.04170
.916630	-.08447	-.06425	-.04866	-.04142	-.03613	-.03391	-.03168	-.02695	-.01971	-.00469
.948534	-.04443	-.01887	-.00857	-.00356	.00785	.01620	.01954	.02372	.02483	.02734
.977875	.00610	.03725	.04977	.05589	.06201	.06702	.06924	.07230	.07453	.07286
.998093	.06424	.11125	.15436	.13322	.13545	.14129	.14101	.15214	.14574	.12877
1.000000	.05371	.12126	.13628	.14936	.15102	.15520	.15826	.16104	.15020	.13239

TABLE IV. - Continued.

(G, $\alpha = 0.51$)

SWEEP= 9.72

SPANWISE LOCATIONS

	STATION 0	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5	STATION 6	STATION 7	STATION 8	STATION 9
	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU
0.000000	.95449	.95350	.94184	.95244	.94449	.93919	.95085	.94555	.93600	.89199
.044023	.54206	.53775	.54412	.53563	.54040	.55843	.54730	.55790	.54624	.50912
.071421	.27738	.20261	.17026	.16602	.21480	.18935	.22806	.23973	.21958	.16973
.091717	.05994	-.04961	-.03338	-.04027	.00109	-.03762	-.02277	.02231	.00587	-.02277
.109558	-.14067	-.14094	-.20844	-.18692	-.22263	-.18829	-.18188	-.19516	-.15899	-.16357
.124631	-.23454	-.27656	-.27575	-.27941	-.26064	-.22904	-.23774	-.22630	-.22950	-.26293
.142000	-.24186	-.33802	-.34000	-.34947	-.31238	-.33207	-.29498	-.26842	-.29727	-.31558
.163274	-.31512	-.41652	-.40853	-.38242	-.35588	-.36961	-.36137	-.28078	-.35954	-.33115
.208444	-.41192	-.44633	-.44672	-.43442	-.47641	-.45181	-.43666	-.43440	-.40433	-.39592
.240824	-.45497	-.44082	-.47392	-.47740	-.46473	-.45678	-.46746	-.43194	-.42896	-.43045
.310504	-.45132	-.43852	-.51367	-.49877	-.47840	-.50075	-.46026	-.43949	-.44535	-.42076
.357343	-.45454	-.50249	-.49777	-.49131	-.46945	-.47666	-.46274	-.42921	-.42498	-.34766
.402031	-.44245	-.46546	-.46776	-.45423	-.46709	-.45220	-.44002	-.42829	-.35852	-.36739
.444930	-.44456	-.45571	-.45394	-.44070	-.42942	-.41701	-.39965	-.38702	-.36830	-.36176
.486143	-.41128	-.43528	-.43523	-.42107	-.40574	-.40348	-.38882	-.36987	-.35742	-.34010
.526290	-.39739	-.41341	-.40957	-.37642	-.36176	-.33221	-.32567	-.32025	-.32341	-.31890
.565174	-.38452	-.38843	-.38050	-.36560	-.37828	-.36347	-.34929	-.33152	-.29323	-.25632
.603118	-.33427	-.32835	-.31248	-.32793	-.33448	-.31989	-.31100	-.29175	-.26044	-.22109
.640574	-.33049	-.33533	-.32953	-.31417	-.30148	-.29535	-.28540	-.26425	-.23590	-.20417
.677131	-.30846	-.31145	-.30127	-.30571	-.27694	-.27292	-.25811	-.23315	-.20713	-.17624
.713431	-.27938	-.27309	-.25911	-.24815	-.25071	-.24326	-.22531	-.20853	-.17473	-.14280
.749079	-.26004	-.24455	-.23556	-.22294	-.21925	-.20713	-.19407	-.17636	-.14862	-.11156
.784532	-.22741	-.22111	-.20876	-.19664	-.18732	-.17623	-.16750	-.14956	-.12485	-.09105
.819483	-.20177	-.19041	-.18056	-.16634	-.15701	-.14816	-.13557	-.11483	-.09338	-.07007
.853240	-.17426	-.15833	-.14324	-.13122	-.12482	-.12395	-.10830	-.09573	-.07281	-.04375
.886545	-.14659	-.12244	-.10588	-.09536	-.09712	-.08823	-.07505	-.06387	-.04598	-.01776
.918430	-.10774	-.08120	-.06415	-.05493	-.05125	-.04179	-.03452	-.02614	-.01133	.01215
.948938	-.06397	-.03061	-.02084	-.00853	-.00155	.00572	.01047	.02360	.03227	.04149
.977875	.00419	.03719	.05422	.06204	.06316	.06735	.07684	.08243	.08717	.08717
.994093	.04846	.11314	.17485	.13520	.13548	.14386	.14833	.15419	.15308	.13520
1.000000	.05466	.12048	.13520	.15028	.14661	.15782	.16285	.16285	.16173	.13939

TABLE IV. - Continued.

(d) Concluded.

[illegible]

(2) 2 = 4.14

SWEEP= 9.72

SPANWISE LOCATIONS

STATION 0	STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU
0.000000	.79594	.78454	.76754	.77498	.78401	.80685	.81535	.81853	.83872	.84297								
.044023	.09935	.02577	.05739	.06429	.04305	.02818	.10413	.14290	.20824	.27729								
.071421	-.29317	-.41056	-.36382	-.41799	-.34197	-.33726	-.30433	-.25241	-.17313	-.12108								
.091717	-.54016	-.57415	-.60244	-.61027	-.56512	-.56619	-.47642	-.42437	-.36913	-.33248								
.109558	-.64837	-.74835	-.72126	-.76073	-.69652	-.68139	-.64562	-.61214	-.54059	-.42181								
.124631	-.66763	-.77449	-.75234	-.74789	-.74055	-.73138	-.67268	-.63048	-.55756	-.48831								
.142090	-.71126	-.84841	-.79318	-.81439	-.80843	-.76532	-.73230	-.66396	-.61305	-.53784								
.153374	-.77636	-.81382	-.83503	-.80247	-.78596	-.78596	-.69973	-.60663	-.63874	-.54747								
.208444	-.72150	-.76428	-.78733	-.71507	-.77016	-.75449	-.72064	-.68979	-.63530	-.54223								
.266824	-.66427	-.74526	-.71019	-.72069	-.71218	-.71965	-.69750	-.63430	-.58127	-.53427								
.310508	-.68830	-.71756	-.70771	-.70594	-.70596	-.70596	-.66192	-.61439	-.57334	-.50342								
.357343	-.66042	-.65332	-.64307	-.67884	-.65845	-.64749	-.60942	-.54662	-.52905	-.46460								
.402031	-.59641	-.63210	-.62058	-.62036	-.58669	-.57427	-.56727	-.54309	-.49046	-.41974								
.444930	-.57847	-.59573	-.58082	-.56862	-.55281	-.53993	-.51779	-.47283	-.44075	-.39060								
.486143	-.55202	-.57552	-.55954	-.56117	-.54806	-.53473	-.50717	-.45860	-.40167	-.34452								
.526290	-.51852	-.51757	-.51575	-.51282	-.47144	-.39941	-.39015	-.35830	-.35694	-.30543								
.565174	-.47712	-.48242	-.46928	-.46377	-.45063	-.43198	-.41164	-.37966	-.32603	-.27052								
.603118	-.41715	-.41421	-.39939	-.40528	-.40550	-.39215	-.36841	-.33620	-.28662	-.23110								
.640574	-.40431	-.40931	-.39469	-.38791	-.37244	-.35930	-.34065	-.30039	-.25017	-.20695								
.677131	-.38070	-.37477	-.36396	-.34341	-.33578	-.32328	-.29933	-.26479	-.22220	-.16902								
.712431	-.33257	-.32493	-.30992	-.30124	-.28844	-.27630	-.25342	-.22821	-.18245	-.13763								
.749079	-.31066	-.29591	-.28634	-.26694	-.25623	-.24432	-.21941	-.19346	-.15347	-.10868								
.784522	-.26453	-.25879	-.24222	-.23661	-.22284	-.21117	-.19412	-.16074	-.12152	-.08650								
.815693	-.24105	-.22941	-.21444	-.19809	-.18455	-.17078	-.15233	-.12525	-.09420	-.05918								
.853340	-.20189	-.18258	-.16774	-.15767	-.14619	-.13583	-.11904	-.10280	-.07481	-.04766								
.886565	-.17360	-.14971	-.13639	-.12100	-.11232	-.10252	-.08661	-.07089	-.05046	-.03142								
.918630	-.12604	-.09441	-.07789	-.07425	-.06501	-.05746	-.04626	-.02843	-.00847	-.00763								
.948938	-.07565	-.04066	-.03170	-.01771	-.00847	.00077	.00720	.01952	.02792	.02455								
.977875	.00348	.03788	.05411	.05082	.06613	.07201	.07900	.08096	.08152	.06753								
.998093	.00669	.10865	.18501	.13298	.13634	.14305	.14697	.14920	.14305	.11732								
1.000000	.08375	.12179	.13522	.14417	.14697	.15088	.15554	.15983	.15564	.11760								

TABLE IV. - Continued.

(f) $\alpha = 4.33$

SWEEP= 9.72

SPANWISE LOCATIONS

	STATION 0	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5	STATION 6	STATION 7	STATION 8	STATION 9
	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU
0.00000	.49237	.39724	.33943	.37130	.42389	.47169	.51524	.57845	.65334	.70062
.044023	-.55716	-.69951	-.70641	-.66923	-.70376	-.63895	-.49873	-.37603	-.19119	-.06318
.071421	-.50247	-1.10743	-1.12551	-1.14551	-1.08672	-.96402	-.85513	-.76006	-.60124	-.47483
.091717	-1.11945	-1.31405	-1.31246	-1.25587	-1.19945	-1.16161	-1.02032	-.93640	-.79352	-.62302
.105558	-1.15332	-1.38416	-1.37759	-1.42208	-1.27302	-1.23312	-1.14570	-1.04504	-.90939	-.76991
.124631	-1.20606	-1.36291	-1.34933	-1.35236	-1.34273	-1.26522	-1.17625	-1.06251	-.89419	-.77816
.142000	-1.16754	-1.34459	-1.34905	-1.36658	-1.31980	-1.23220	-1.14415	-1.03499	-.93043	-.79008
.162374	-1.17882	-1.32289	-1.32760	-1.26614	-1.23083	-1.19964	-1.10693	-.94785	-.91391	-.75569
.208444	-1.02470	-1.16524	-1.16870	-1.16680	-1.10359	-1.07324	-1.01551	-.93563	-.84033	-.72288
.260824	-.06873	-1.06845	-1.00406	-.95510	-.98739	-.97493	-.94708	-.83461	-.73632	-.65197
.310508	-.28445	-.95552	-.97669	-.95977	-.53115	-.91050	-.63511	-.76614	-.69526	-.58752
.357243	-.83524	-.88436	-.84413	-.86273	-.63560	-.80923	-.75050	-.69502	-.62904	-.52631
.402031	-.74522	-.80276	-.78469	-.75024	-.75139	-.73038	-.68452	-.62420	-.55371	-.46357
.444930	-.71547	-.74077	-.73419	-.72586	-.70914	-.67796	-.63753	-.56817	-.49949	-.41907
.486143	-.64876	-.66730	-.64813	-.67073	-.66494	-.61516	-.57743	-.52050	-.44731	-.37637
.526290	-.61877	-.63052	-.62329	-.60590	-.57359	-.46696	-.44437	-.42630	-.40422	-.33006
.565174	-.57280	-.58341	-.56845	-.55870	-.53433	-.51208	-.47924	-.42351	-.35634	-.28365
.603118	-.45155	-.45513	-.44951	-.44390	-.48496	-.45595	-.42923	-.37946	-.31056	-.23704
.640574	-.44159	-.48242	-.47712	-.45974	-.43537	-.41270	-.38346	-.33281	-.26924	-.21055
.671131	-.44215	-.43944	-.42245	-.37543	-.38612	-.36735	-.32836	-.28432	-.23873	-.17898
.712431	-.39957	-.39374	-.37843	-.36315	-.34447	-.33000	-.29918	-.25669	-.20440	-.15233
.745079	-.36502	-.34541	-.33537	-.32043	-.30605	-.28774	-.25996	-.22121	-.16984	-.12198
.784532	-.32206	-.30942	-.29445	-.28518	-.26554	-.24735	-.22401	-.18549	-.14160	-.10468
.819483	-.28191	-.26456	-.24755	-.23381	-.21584	-.19716	-.16704	-.14089	-.11358	-.09350
.853340	-.23949	-.21617	-.19882	-.18426	-.17082	-.15879	-.13779	-.11092	-.08453	-.08097
.886545	-.19406	-.16243	-.14943	-.13947	-.13080	-.11680	-.10084	-.08181	-.06362	-.06865
.918630	-.14451	-.11009	-.09805	-.08757	-.07537	-.06446	-.05130	-.03534	-.02723	-.05382
.948938	-.08461	-.04874	-.03254	-.02583	-.01239	-.00231	-.01055	-.01812	-.00804	-.03142
.977875	-.00455	-.02477	-.04527	-.05718	-.06194	-.06661	-.07341	-.07844	-.06222	-.01075
.998093	-.06647	-.10977	-.19564	-.13159	-.13456	-.14165	-.14221	-.14305	-.12823	-.08795
1.000000	-.07732	-.11946	-.12653	-.14025	-.14501	-.15200	-.15620	-.15424	-.13690	-.08823

(f) Concluded.

TEST=116
RUN= 16
POINT=294

TABLE IV. - Continued.

(g) $\alpha = 6.95^\circ$

SWEEP= 9.72

SPANWISE LOCATIONS

SQRT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.000000	-.16819		-.19045		-.35001		-.23520		-.18038		-.06540		.05064		.14205		.36750		.50792	
.044023	-1.38265		-1.71647		-1.71011		-1.63434		-1.69686		-1.48650		-1.24594		-1.02393		-.73039		-.49724	
.071421	-1.82164		-2.03492		-2.06747		-2.13612		-2.02061		-1.84416		-1.59831		-1.44411		-1.11083		-.87133	
.091717	-1.78164		-2.06614		-2.02845		-2.11440		-2.03280		-1.89715		-1.70110		-1.52730		-1.26714		-1.01757	
.109554	-1.91442		-2.06237		-2.15324		-2.15420		-1.98172		-1.88839		-1.75891		-1.57133		-1.31512		-1.07401	
.124631	-1.81107		-2.06455		-2.08144		-2.05264		-2.03891		-1.85773		-1.72048		-1.53564		-1.29636		-1.09460	
.142000	-1.80192		-1.94880		-1.94742		-1.94767		-1.95061		-1.82937		-1.65551		-1.49950		-1.28035		-1.05296	
.163374	-1.81781		-1.78178		-1.78443		-1.82708		-1.77284		-1.65368		-1.50133		-1.35721		-1.21996		-1.00721	
.208444	-1.85457		-1.55178		-1.59497		-1.57144		-1.49816		-1.43363		-1.34377		-1.21767		-1.04987		-.87164	
.260824	-1.82455		-1.32660		-1.31457		-1.34402		-1.29462		-1.22214		-1.15462		-1.02505		-.84368		-.76912	
.310502	-1.15243		-1.20745		-1.22214		-1.28327		-1.17495		-1.14469		-1.03175		-.94239		-.82001		-.69959	
.357342	-1.01213		-1.08164		-1.08724		-1.06774		-1.03671		-.99005		-.92153		-.83341		-.72097		-.59115	
.402031	-.62826		-.56397		-.54171		-.45135		-.41123		-.88779		-.82109		-.74334		-.63877		-.51526	
.444930	-.47292		-.49411		-.48164		-.46616		-.44700		-.73274		-.73815		-.63877		-.55358		-.46275	
.486143	-.74832		-.81207		-.80802		-.79449		-.77241		-.57025		-.53442		-.46321		-.43030		-.36134	
.526290	-.73026		-.73242		-.72418		-.70457		-.62907		-.58708		-.54501		-.47673		-.38690		-.29790	
.565174	-.67459		-.67121		-.65747		-.64563		-.61984		-.51986		-.47800		-.41247		-.32750		-.24886	
.603114	-.57462		-.58137		-.58755		-.55875		-.55455		-.46912		-.43002		-.36956		-.26945		-.23026	
.640574	-.56340		-.55178		-.54459		-.52366		-.50164		-.41924		-.37633		-.32179		-.25034		-.19242	
.677131	-.50633		-.50023		-.48494		-.41755		-.44651		-.37012		-.33519		-.28651		-.22060		-.17472	
.713431	-.46351		-.44651		-.42602		-.41391		-.39225		-.31888		-.28488		-.23853		-.18334		-.15027	
.749079	-.42066		-.39581		-.38316		-.36220		-.34404		-.27067		-.24366		-.20337		-.15562		-.14048	
.784532	-.35927		-.34194		-.32890		-.31376		-.29342		-.22177		-.19219		-.16051		-.12628		-.12138	
.815483	-.31702		-.29425		-.28162		-.25596		-.24342		-.17415		-.15321		-.13004		-.11077		-.08536	
.853340	-.26491		-.23547		-.21504		-.20320		-.18979		-.12557		-.10686		-.08871		-.05883		-.01946	
.886565	-.21772		-.18142		-.16662		-.15126		-.14009		-.06972		-.05855		-.05017		-.03628		-.06333	
.918630	-.15862		-.12154		-.10714		-.09513		-.08480		-.00845		-.00103		.00344		.03628		.04270	
.948538	-.09481		-.05576		-.04431		-.02839		-.01834		.06493		.07144		.13869		.11078		.02401	
.977875	-.00441		.02405		.05107		.05544		.06335		.14315		.14371		.14231		.11497			
.994093	.06422		.10539		.20254		.13617		.13673		.15096		.15264							
1.000000	.07614		.11357		.12613		.13952		.14259											

(g) Concluded.

TEST=116
RUN= 16
POINT=285

TABLE IV. - Continued.

(h) $\alpha = 9.05^\circ$

SWEEP= 9.72

SPANWISE LOCATIONS

SORT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.000000	-1.00095		-1.00043		-1.28552		-1.12124		-1.09262		-9.1191		-7.1211		-38460		-1.0744		.20364	
.044023	-2.58232		-2.76535		-2.68843		-2.72116		-2.71374		-2.51660		-2.16365		-1.78474		-1.40953		-.92674	
.071421	-2.40404		-3.02277		-2.74283		-3.14483		-2.93950		-2.71321		-2.39418		-2.11384		-1.70630		-1.28022	
.091717	-2.74182		-3.15731		-3.11064		-3.06457		-2.84174		-2.75561		-2.48460		-2.18326		-1.80858		-1.40317	
.105558	-2.68277		-2.95282		-3.11454		-2.95282		-2.86394		-2.71160		-2.53863		-2.17485		-1.85133		-1.45643	
.124631	-2.60269		-2.76722		-2.84014		-2.77612		-2.68564		-2.52033		-2.34095		-2.04901		-1.75361		-1.39603	
.142000	-2.30572		-2.60341		-2.68491		-2.63240		-2.54412		-2.39403		-2.17256		-1.92546		-1.65868		-1.30222	
.163374	-2.26276		-2.53443		-2.58420		-2.43533		-2.34461		-2.23384		-2.01789		-1.77812		-1.49670		-1.23724	
.208444	-1.81287		-1.95240		-1.68420		-1.94743		-1.89381		-1.82280		-1.71208		-1.53134		-1.32975		-1.05467	
.260824	-1.58443		-1.65834		-1.67156		-1.65100		-1.60135		-1.53779		-1.44147		-1.26619		-1.08098		-.86350	
.310508	-1.35805		-1.45846		-1.47572		-1.44752		-1.35976		-1.35606		-1.22498		-1.08942		-.94245		-.73887	
.357243	-1.24631		-1.32427		-1.30790		-1.28307		-1.23927		-1.18724		-1.08595		-.96554		-.81732		-.64751	
.402031	-1.04651		-1.13404		-1.14955		-1.13729		-1.10268		-1.05084		-.97150		-.85113		-.74474		-.59012	
.444930	-1.01027		-1.03010		-1.03100		-1.00260		-.96474		-.87683		-.82476		-.71521		-.62370		-.52633	
.486143	-.91044		-.93647		-.93047		-.91019		-.87457		-.82431		-.76165		-.66653		-.54887		-.42422	
.526290	-.84302		-.84043		-.83693		-.81054		-.73392		-.65030		-.62212		-.52042		-.46457		-.37350	
.565174	-.76514		-.76048		-.75372		-.74167		-.71588		-.67465		-.61968		-.52750		-.42348		-.32771	
.603118	-.66290		-.65848		-.62518		-.63321		-.62116		-.58332		-.53469		-.45583		-.36280		-.29071	
.640574	-.62877		-.61924		-.60974		-.58606		-.55372		-.51714		-.46767		-.39431		-.30741		-.24695	
.677131	-.57655		-.57167		-.54674		-.46145		-.43976		-.47042		-.41397		-.34695		-.26915		-.22115	
.712431	-.51754		-.49240		-.47885		-.46145		-.37197		-.41017		-.36708		-.30722		-.24223		-.20356	
.749079	-.46045		-.43293		-.41856		-.39526		-.37197		-.34402		-.30954		-.26040		-.21055		-.18423	
.784532	-.40845		-.38200		-.37784		-.35054		-.32469		-.29835		-.26645		-.22150		-.16260		-.17235	
.819483	-.36196		-.33640		-.31746		-.29576		-.28495		-.25976		-.22150		-.18772		-.16792		-.19191	
.852340	-.29108		-.26473		-.24221		-.22936		-.21400		-.19306		-.16987		-.14809		-.13329		-.21065	
.884565	-.23662		-.20004		-.18160		-.16652		-.15032		-.13496		-.11849		-.10787		-.09614		-.24528	
.918630	-.17424		-.13105		-.11439		-.10041		-.08627		-.07045		-.05994		-.05732		-.04614		-.23914	
.946938	-.10452		-.05824		-.04593		-.03386		-.02912		-.01320		-.00362		-.00677		-.05872		-.23327	
.977875	-.01121		-.03045		-.04339		-.05120		-.05706		-.06599		-.06766		-.05450		-.00099		-.17010	
.998093	-.05846		-.01143		-.04432		-.05571		-.03157		-.03715		-.03659		-.02459		-.07771		-.03392	
1.000000	-.06455		-.04441		-.04016		-.03185		-.03966		-.04720		-.04999		-.03632		-.09473		-.02164	

TABLE IV. - Continued.

(1) $\alpha = 11.16^\circ$

SWEEP= 9.72

SPARSE LOCATIONS

	STATION 0	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5	STATION 6	STATION 7	STATION 8	STATION 9
	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU
0.00000	-1.53449	-2.15365	-2.41450	-2.22543	-2.14570	-1.89569	-1.55403	-1.07360	-67050	-1.5511
.044022	-3.54257	-4.25564	-4.35744	-4.18764	-4.15616	-3.54868	-3.25012	-2.74214	-2.15259	-1.51007
.071421	-3.91646	-4.62420	-4.50332	-4.52547	-4.25972	-3.90482	-3.43975	-3.03665	-2.43492	-1.84693
.091717	-3.80524	-4.13483	-4.25442	-4.20593	-4.04255	-3.72685	-3.38148	-2.89628	-2.42009	-1.89781
.109558	-3.47224	-3.85369	-3.45712	-3.44273	-3.72360	-3.53993	-3.20481	-2.79259	-2.37318	-1.82434
.124631	-3.26057	-3.73444	-3.75515	-3.77777	-3.63324	-3.35607	-3.02768	-2.64578	-2.27042	-1.76122
.142000	-3.12281	-3.41004	-3.44491	-3.42451	-3.38443	-3.14202	-2.84290	-2.52137	-2.11751	-1.65100
.163374	-2.92827	-3.02154	-3.07816	-3.01670	-2.54901	-2.77430	-2.58495	-2.25976	-1.91573	-1.55541
.208444	-2.22244	-2.41112	-2.43942	-2.40756	-2.31575	-2.2790	-2.03832	-1.78868	-1.52366	-1.22093
.260824	-1.66760	-2.03132	-2.02844	-2.01455	-1.85593	-1.86164	-1.72169	-1.51672	-1.27899	-99660
.310508	-1.64557	-1.73945	-1.73260	-1.73506	-1.65543	-1.61595	-1.46461	-1.29041	-1.09636	-85714
.357242	-1.47452	-1.53012	-1.53704	-1.51771	-1.46604	-1.38123	-1.27155	-1.10926	-93432	-73456
.402031	-1.26140	-1.30561	-1.31457	-1.30601	-1.25374	-1.19677	-1.09198	-96066	-81104	-64522
.444930	-1.16452	-1.19471	-1.14075	-1.14875	-1.10550	-1.01223	-94419	-76954	-68442	-57174
.486143	-1.06720	-1.07801	-1.07489	-1.05278	-1.01673	-95590	-87885	-74801	-65311	-51793
.526290	-.94221	-.95545	-.94779	-.91425	-.85294	-73895	-68262	-58169	-52379	-46837
.565174	-.86044	-.84687	-.83635	-.82282	-78143	-72456	-65778	-56206	-45027	-36891
.603118	-.74506	-.74364	-.73684	-.70448	-.69159	-.64848	-.58953	-.49591	-.39406	-.29497
.640574	-.71357	-.69998	-.67997	-.65567	-.62418	-.57875	-.52212	-.43822	-.34799	-.25903
.677131	-.64574	-.62547	-.60707	-.58225	-.55487	-.51282	-.45935	-.38645	-.30890	-.23767
.713431	-.57343	-.54476	-.52311	-.50041	-.47375	-.43580	-.38342	-.32638	-.26957	-.24116
.745079	-.52171	-.48400	-.45328	-.43650	-.41049	-.37923	-.34104	-.28680	-.24722	-.23069
.784532	-.45842	-.42504	-.40554	-.38528	-.35944	-.32917	-.29541	-.24955	-.21555	-.23148
.815483	-.39875	-.36263	-.34244	-.32265	-.29937	-.27166	-.24210	-.21555	-.19639	-.34071
.853240	-.31422	-.27427	-.25250	-.23403	-.21565	-.19081	-.16457	-.15787	-.16667	-.40771
.886545	-.26335	-.21314	-.19397	-.17234	-.15787	-.14224	-.13023	-.12604	-.15759	-.43562
.918630	-.11400	-.14148	-.12046	-.10622	-.09450	-.07859	-.07133	-.08166	-.11404	-.41305
.948938	-.06431	-.06431	-.06444	-.03420	-.02248	-.01131	-.01104	-.02890	-.03231	-.29924
.977875	-.01780	-.02634	-.02456	-.05667	-.06476	-.07592	-.07759	-.05249	-.03231	-.09813
.998093	-.04491	-.02631	-.12445	-.11457	-.12250	-.13003	-.12529	-.11023	-.05110	-.09869
1.000000	-.05455	-.05740	-.10460	-.12111	-.12362	-.13450	-.13310	-.11218	-.06170	

TABLE IV. - Continued.

(i) Concluded.

[illegible]

TEST=116
RUN= 16
POINT=287

TABLE IV. - Continued.

(J) $\alpha = 13.25^\circ$

SWEEP = 9.72

SPARSE LOCATIONS

	STATION 0	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5	STATION 6	STATION 7	STATION 8	STATION 9
	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU
0.000000	-3.18579	-3.41533	-2.455780	-3.50452	-3.48729	-3.01540	-2.62472	-1.93255	-1.33114	-1.61242
.044023	-5.21455	-5.67982	-5.52004	-5.54491	-5.55830	-5.31222	-4.52025	-3.87584	-3.06105	-2.07268
.071421	-5.02654	-5.72252	-5.42244	-5.44492	-5.44492	-4.58099	-4.45549	-3.57139	-3.15425	-2.40974
.091717	-4.57670	-5.34637	-5.44627	-5.35742	-5.08924	-4.76017	-4.42682	-3.76462	-3.23264	-2.52694
.105558	-4.42662	-4.54155	-5.04465	-5.10137	-4.80163	-4.49179	-4.13488	-3.54305	-2.95272	-2.26384
.124631	-4.18475	-4.64574	-4.61724	-4.61148	-4.43679	-4.19663	-3.82721	-3.35513	-2.76663	-2.11030
.142060	-3.72363	-4.11654	-4.16513	-4.05363	-3.92330	-3.66955	-3.41471	-3.03613	-2.56663	-1.98426
.162374	-3.28638	-3.73921	-3.74563	-3.59063	-3.41546	-3.32488	-3.14886	-2.72493	-2.32159	-1.81010
.208444	-2.67452	-2.85583	-2.59780	-2.47572	-2.21204	-2.67233	-2.46693	-2.15062	-1.80100	-1.38274
.260524	-2.25158	-2.37492	-2.37443	-2.34309	-2.27695	-2.17997	-2.00540	-1.76867	-1.47425	-1.12681
.310508	-1.81438	-1.95157	-2.06142	-1.94510	-1.91536	-1.82487	-1.66025	-1.46042	-1.22259	-0.95378
.357243	-1.63459	-1.74230	-1.74927	-1.71157	-1.65577	-1.57421	-1.46380	-1.27034	-1.04453	-0.71751
.402031	-1.43459	-1.54256	-1.51019	-1.44491	-1.43059	-1.35493	-1.24604	-1.07672	-0.89881	-0.70623
.444530	-1.30426	-1.33659	-1.32551	-1.25425	-1.24604	-1.13542	-1.04782	-0.90830	-0.74529	-0.52585
.486143	-1.17876	-1.18654	-1.17821	-1.14219	-1.10110	-1.03202	-0.94216	-0.81009	-0.65905	-0.50079
.526290	-1.04963	-1.06061	-1.05324	-1.02163	-0.97474	-0.84057	-0.81641	-0.68524	-0.53849	-0.38747
.565174	-0.95456	-0.95652	-0.94120	-0.91454	-0.87725	-0.82092	-0.74447	-0.62906	-0.49713	-0.34730
.603118	-0.81645	-0.81414	-0.78822	-0.77264	-0.75993	-0.70868	-0.63465	-0.53991	-0.42937	-0.30977
.640574	-0.77772	-0.74489	-0.72520	-0.69217	-0.66485	-0.61341	-0.55384	-0.46516	-0.37706	-0.28370
.677131	-0.69772	-0.64951	-0.64897	-0.57911	-0.59516	-0.56024	-0.50243	-0.42852	-0.35695	-0.27156
.712431	-0.62872	-0.54982	-0.58142	-0.56082	-0.53143	-0.49760	-0.44510	-0.37614	-0.32495	-0.24678
.749079	-0.56782	-0.52144	-0.50132	-0.47590	-0.45233	-0.41804	-0.37208	-0.32401	-0.30301	-0.23241
.784532	-0.49666	-0.44907	-0.42340	-0.40007	-0.37804	-0.34291	-0.31095	-0.27455	-0.28318	-0.21147
.819483	-0.42254	-0.37721	-0.35544	-0.33214	-0.31421	-0.29455	-0.26564	-0.25215	-0.28832	-0.21477
.853340	-0.34211	-0.29707	-0.27385	-0.25551	-0.23809	-0.22015	-0.20140	-0.19433	-0.25875	-0.18485
.886555	-0.27050	-0.21623	-0.19552	-0.17763	-0.16116	-0.15021	-0.13762	-0.15217	-0.24672	-0.16243
.919630	-0.20000	-0.13760	-0.11217	-0.09466	-0.08155	-0.07216	-0.07021	-0.09564	-0.21147	-0.04982
.948938	-0.11776	-0.05902	-0.04055	-0.02573	-0.01501	-0.01622	-0.01616	-0.05534	-0.17539	-0.03807
.977875	-0.02411	-0.01677	-0.02403	-0.04605	-0.04999	-0.05695	-0.05192	-0.02346	-0.07359	-0.04308
.998093	-0.04241	-0.05455	-0.05421	-0.05846	-0.06666	-0.11705	-0.11425	-0.09161	-0.2313	-0.17561
1.000000	-0.05244	-0.05714	-0.04666	-0.11313	-0.11956	-0.12962	-0.12515	-0.10027	-0.03962	-0.16443

TABLE IV. - Continued.

(k) $\alpha = 15.36^\circ$

SWEEP= 9.72

SPANWISE LOCATIONS

	STATION 0	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5	STATION 6	STATION 7	STATION 8	STATION 9
	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU
0.00000	-4.56451	-5.01421	-5.44046	-5.10354	-5.05247	-4.48773	-3.93798	-3.03504	-2.18271	-1.13860
.044023	-6.40249	-7.44294	-7.49600	-7.54276	-7.49114	-6.95310	-5.90900	-5.05347	-3.95503	-2.79213
.071421	-6.50030	-7.23331	-7.54063	-7.45647	-6.94961	-6.42359	-5.72361	-5.04814	-3.94224	-2.99562
.091717	-5.66451	-6.42266	-6.77731	-6.70147	-6.36604	-5.87490	-5.36843	-4.54527	-3.76112	-2.84273
.109558	-5.45156	-6.10194	-6.13508	-6.14343	-5.91862	-5.53436	-5.15534	-4.42543	-3.63928	-2.70324
.124631	-4.44566	-5.44234	-5.57575	-5.41444	-5.30205	-4.96215	-4.58314	-4.02934	-3.31638	-2.51512
.142000	-4.53906	-4.97411	-5.13142	-5.01183	-4.80204	-4.50034	-4.10017	-3.60156	-3.00912	-2.30583
.163374	-4.60818	-4.56484	-4.44243	-4.43591	-4.30440	-3.97322	-3.66964	-3.16275	-2.66093	-2.03997
.208444	-3.04792	-3.33003	-3.42545	-3.26147	-3.27542	-3.13247	-2.57982	-2.52146	-2.09721	-1.58712
.240824	-2.54441	-2.74207	-2.74003	-2.64937	-2.62476	-2.49850	-2.29037	-2.00747	-1.65100	-1.26269
.310508	-2.14955	-2.30145	-2.34377	-2.24937	-2.20302	-2.09471	-1.90106	-1.65799	-1.36052	-1.03809
.347343	-1.47341	-1.57443	-1.57443	-1.42052	-1.35714	-1.25083	-1.00259	-1.37948	-1.12493	-0.87837
.402031	-1.60440	-1.58045	-1.47944	-1.45500	-1.35294	-1.15102	-1.38409	-1.19286	-0.96900	-0.75693
.444630	-1.45522	-1.42346	-1.44469	-1.45070	-1.35859	-1.24530	-1.14747	-1.02111	-0.78774	-0.68511
.486143	-1.30477	-1.32440	-1.32544	-1.25164	-1.23772	-1.15570	-1.04423	-0.84825	-0.60807	-0.52854
.526290	-1.17247	-1.17201	-1.15072	-1.12307	-1.04184	-0.91780	-0.80840	-0.64415	-0.54962	-0.46185
.545174	-1.03942	-1.07737	-1.01207	-0.94414	-0.84406	-0.76498	-0.68480	-0.58422	-0.46951	-0.40256
.603118	-0.84541	-0.84613	-0.83440	-0.77277	-0.73216	-0.68011	-0.60807	-0.51201	-0.42339	-0.34705
.640574	-0.84460	-0.81055	-0.80167	-0.76174	-0.63314	-0.58915	-0.52285	-0.44762	-0.38301	-0.37578
.677131	-0.75152	-0.71603	-0.68747	-0.59353	-0.56004	-0.52211	-0.47294	-0.41561	-0.38490	-0.41909
.712431	-0.64274	-0.64223	-0.61784	-0.59353	-0.56004	-0.52211	-0.39755	-0.35727	-0.35517	-0.45187
.749079	-0.61319	-0.55326	-0.53101	-0.50151	-0.47786	-0.44274	-0.38209	-0.31840	-0.34697	-0.53803
.784532	-0.52522	-0.49027	-0.46240	-0.44227	-0.41623	-0.38209	-0.34657	-0.27017	-0.33667	-0.67548
.819483	-0.45421	-0.39704	-0.34498	-0.34650	-0.32125	-0.30295	-0.27228	-0.23008	-0.33424	-0.79464
.852340	-0.35585	-0.29542	-0.27500	-0.25535	-0.23486	-0.21457	-0.20875	-0.17927	-0.31318	-0.91283
.886565	-0.28763	-0.23544	-0.19499	-0.17534	-0.16579	-0.15268	-0.14727	-0.12509	-0.24174	-0.87943
.918630	-0.20450	-0.14834	-0.12060	-0.10796	-0.09814	-0.08410	-0.08213	-0.06040	-0.21970	-0.77134
.948938	-0.12396	-0.06024	-0.03450	-0.02711	-0.01700	-0.00559	-0.01392	-0.00400	-0.03312	-0.54642
.977875	-0.02521	-0.01743	-0.03202	-0.04324	-0.04997	-0.05502	-0.04632	-0.00312	-0.00116	-0.23841
.994053	-0.04442	-0.04546	-0.11254	-0.04440	-0.05273	-0.05215	-0.10018	-0.06989	-0.00116	-0.23841
1.000000	-0.04352	-0.05540	-0.04461	-0.04419	-0.05064	-0.10299	-0.10495	-0.07213	-0.01350	-0.21344

TABLE IV. - Continued.

(1) $\alpha = 17.47^\circ$

SPEED = 9.72

SPANWISE LOCATIONS

SORT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.000000	-6.32834		-6.84401		-7.19556		-6.77542		-6.70318		-5.97362		-5.13287		-4.08947		-3.03311		-1.65710	
.044023	-8.66846		-9.72445		-9.55182		-9.57486		-9.46897		-8.82729		-7.44757		-6.33363		-4.97827		-3.45349	
.071421	-7.70512		-8.83744		-9.17037		-9.24661		-8.54798		-7.95054		-7.04202		-6.06574		-4.83744		-3.59749	
.091717	-7.36084		-8.28255		-8.34232		-8.46727		-7.83618		-7.21991		-6.47341		-5.62313		-4.51448		-3.43231	
.109558	-6.44457		-7.13554		-7.13554		-7.07194		-6.77254		-6.39354		-5.93456		-5.19672		-4.26780		-3.10025	
.124631	-5.61553		-6.47257		-6.35463		-6.43225		-6.30574		-5.87970		-5.29730		-4.59603		-3.86917		-2.68173	
.142060	-5.21314		-6.05142		-5.94227		-5.93182		-5.66353		-5.30418		-4.80266		-4.15626		-3.45956		-2.61430	
.163374	-4.76701		-5.21591		-5.24255		-5.16655		-5.02354		-4.72221		-4.27494		-3.73020		-3.08928		-2.34042	
.206444	-3.56465		-3.47372		-3.60445		-3.46090		-3.73245		-3.55625		-3.22192		-2.82557		-2.32455		-1.73972	
.260524	-2.59222		-2.10514		-2.11774		-2.06814		-2.99324		-2.83103		-2.57408		-2.23626		-1.83049		-1.37859	
.310508	-2.41432		-2.54441		-2.54441		-2.52366		-2.45500		-2.33855		-2.11572		-1.83194		-1.50211		-1.14942	
.357243	-2.11174		-2.26253		-2.14604		-2.11554		-2.07257		-1.95302		-1.77890		-1.54080		-1.24515		-96612	
.402031	-1.79234		-1.84894		-1.84894		-1.81477		-1.74581		-1.64808		-1.44720		-1.29549		-1.06170		-84597	
.444530	-1.60564		-1.62144		-1.62441		-1.54854		-1.54064		-1.37020		-1.29003		-1.10043		-85903		-74261	
.486143	-1.41404		-1.43511		-1.43511		-1.35552		-1.33087		-1.25220		-1.13060		-96061		-76873		-65299	
.526290	-1.25003		-1.26419		-1.26156		-1.22048		-1.17339		-1.03773		-98874		-74530		-64353		-53701	
.565174	-1.12102		-1.10157		-1.10427		-1.05343		-1.00739		-94107		-84458		-71570		-57651		-44678	
.603118	-9.6565		-9.5247		-9.4567		-9.0389		-8.4553		-8.2144		-73175		-62171		-51674		-45696	
.640574	-8.1014		-8.6575		-8.4558		-8.1518		-7.7041		-7.1570		-64769		-54433		-47639		-46626	
.677131	-7.2045		-7.7564		-7.3747		-6.9624		-6.4902		-5.92171		-56701		-49074		-44809		-47914	
.712431	-6.2687		-6.7650		-6.4604		-6.1548		-5.8102		-5.4193		-49259		-44093		-42301		-50842	
.745079	-5.4077		-5.7113		-5.4776		-5.2374		-4.9701		-4.5606		-4.1719		-3.8811		-4.1510		-54288	
.784532	-4.5077		-4.6771		-4.4509		-4.4093		-4.1134		-3.8322		-3.5646		-3.4901		-4.0602		-73182	
.815483	-4.4737		-4.6167		-4.3777		-3.4435		-3.2341		-3.0270		-2.9409		-3.4033		-4.0975		-98361	
.853240	-3.4644		-3.6154		-3.2366		-2.4511		-2.2558		-2.1674		-2.1451		-2.5134		-3.9308		-1.09340	
.894565	-2.6124		-2.2249		-1.8476		-1.7450		-1.6540		-1.5089		-1.5257		-2.0335		-3.9615		-1.21226	
.914630	-2.1311		-1.6471		-1.2246		-1.0376		-0.9907		-0.8114		-0.9146		-1.5285		-3.6127		-1.16483	
.948534	-1.2742		-0.7450		-0.5215		-0.3315		-0.2356		-0.1474		-0.3120		-0.0870		-2.9514		-96645	
.977775	-0.2742		-0.0415		-0.0143		-0.0005		.03900		.04709		.03544		-.01062		-.15114		-.65158	
.996563	-0.2653		.03017		.13455		.3501		.08159		.07457		.07915		.04820		-.02428		-.24563	
1.000000	.0341		.03741		.05177		.05322		.06270		.07776		.08055		.04737		-.02345		-.26440	

TABLE IV. - Continued.

(m) $\alpha = 19.53^\circ$

SWEEP= 9.72

SPARSE LOCATIONS

SORT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.000000	-8.26042		-5.91214		-9.19462		-8.60009		-7.56612		-7.68300		-6.70328		-5.27033		-3.93821		-2.40601	
.044623	-10.44144		-11.55304		-12.65142		-11.44510		-11.29192		-10.63807		-9.01193		-7.73395		-6.15663		-4.24391	
.071421	-5.43224		-10.25507		-10.94401		-10.43550		-10.34086		-9.57237		-8.45149		-7.28495		-5.78513		-4.29379	
.091717	-8.92047		-5.44243		-6.65304		-5.63182		-5.00344		-4.28651		-7.67026		-6.55574		-5.24061		-3.93609	
.109559	-7.54627		-8.26232		-8.41231		-8.28665		-7.46521		-7.42512		-6.79273		-5.88263		-4.93404		-3.66375	
.124631	-6.72504		-7.77113		-7.54623		-7.35763		-7.17216		-6.74690		-6.06243		-5.25115		-4.38688		-3.27423	
.142002	-5.67418		-6.59104		-6.76523		-6.46625		-6.47611		-6.07651		-5.53160		-4.80114		-3.96162		-2.93604	
.163374	-5.51466		-5.42317		-5.60071		-5.41654		-5.71399		-5.37763		-4.85430		-4.17700		-3.46437		-2.59005	
.206444	-4.06513		-4.40520		-4.66552		-4.31352		-4.20552		-3.95071		-3.52771		-3.13940		-2.58596		-1.94848	
.246824	-3.23457		-3.56264		-3.43374		-3.36118		-3.26534		-3.11752		-2.85199		-2.46861		-2.01710		-1.50642	
.316500	-2.64502		-2.75217		-2.66603		-2.77242		-2.67386		-2.55811		-2.32440		-2.01362		-1.63819		-1.24038	
.357343	-2.33723		-2.35451		-2.36451		-2.32634		-2.24534		-2.12699		-1.92759		-1.64863		-1.32790		-1.03353	
.402031	-1.67311		-2.03777		-2.01314		-1.97682		-1.90369		-1.78811		-1.62754		-1.38496		-1.11273		-.89693	
.444630	-1.72667		-1.74477		-1.73514		-1.70008		-1.63597		-1.47976		-1.39489		-1.18135		-.89873		-.79783	
.496143	-1.51143		-1.52220		-1.51723		-1.47705		-1.42469		-1.33755		-1.21295		-1.03372		-.82266		-.69535	
.526290	-1.39406		-1.36674		-1.34763		-1.29563		-1.23823		-1.07661		-1.04772		-.82718		-.71679		-.61589	
.565174	-1.21601		-1.18355		-1.15007		-1.11450		-1.06623		-.99128		-.89642		-.76219		-.63494		-.55554	
.603114	-1.02464		-.87755		-.93072		-.82352		-.79310		-.86297		-.77870		-.65950		-.56697		-.52166	
.640574	-.94268		-.89642		-.86890		-.82248		-.79310		-.74271		-.67855		-.59111		-.52823		-.54538	
.677131	-.87224		-.80623		-.74854		-.61186		-.68046		-.64256		-.58455		-.51468		-.49350		-.56486	
.712431	-.74532		-.70020		-.65715		-.62612		-.58810		-.54238		-.50016		-.46400		-.47869		-.63405	
.745079	-.65342		-.58147		-.53491		-.50739		-.48336		-.45817		-.42784		-.40638		-.46656		-.75932	
.794532	-.55547		-.46314		-.43070		-.42061		-.39378		-.37605		-.36112		-.37395		-.46003		-.100216	
.830483	-.45874		-.42154		-.37499		-.34246		-.30910		-.29954		-.29604		-.32660		-.48872		-.132595	
.853346	-.33447		-.30777		-.26122		-.24484		-.22163		-.20792		-.21547		-.27757		-.48258		-.147632	
.896565	-.20206		-.21911		-.17483		-.16261		-.15087		-.14779		-.15926		-.22498		-.48062		-.158037	
.918420	-.20564		-.13544		-.11227		-.09744		-.08710		-.08094		-.09493		-.17100		-.44734		-.138011	
.948538	-.14259		-.08454		-.07059		-.05186		-.03643		-.02920		-.03535		-.09744		-.36007		-.110014	
.977875	-.04323		-.02214		-.02004		-.00746		-.00327		-.01378		-.01825		-.03122		-.21539		-.71593	
.998093	-.62354		-.02044		-.15548		-.01434		-.02580		-.03977		-.04732		-.02133		-.06280		-.35876	
1.000000	-.35002		-.02444		-.00479		-.01818		-.01891		-.03594		-.04871		-.01937		-.04156		-.32578	

(m) Concluded.

162=1100
 RUN= 16
 TEST=116

TABLE V

Pressure Distributions at 20° Sweep

(a) $\alpha = -5.83^\circ$ SWEEP = 20.20

SPANWISE LOCATIONS

SORT (X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.00000	.20002		.02664		.03258		.05124		.04965		.19151		.21542		.34454		.43340		.45718	
.044023	.40414		.75244		.74434		.74434		.75473		.77704		.81636		.82164		.80708		.71222	
.071421	.44206		.45442		.45434		.45514		.45824		.45037		.43921		.41902		.75951		.59320	
.091717	.40202		.46044		.46220		.46784		.46202		.79458		.76376		.72285		.64049		.45714	
.109558	.71052		.73244		.74224		.74754		.73111		.70771		.67376		.61143		.52420		.32692	
.124631	.69506		.64344		.63110		.63024		.68019		.65679		.60403		.53567		.44142		.24021	
.142000	.54443		.56444		.61444		.60442		.60959		.57748		.53292		.46181		.33977		.11955	
.163274	.47470		.44751		.49117		.52525		.48291		.46847		.42097		.35032		.23746		.03330	
.204444	.30730		.32944		.34444		.34444		.32721		.29610		.25451		.19106		.09494		-.09768	
.240424	.14475		.20544		.20500		.20251		.20251		.15470		.10442		.05536		-.02448		-.21318	
.310504	.11315		.11414		.11114		.11114		.10564		.04004		.02454		-.01724		-.12745		-.28636	
.357243	.02951		.02744		.01444		.01144		.00234		-.00045		-.04043		-.04444		-.17240		-.31448	
.402021	.00154		.01424		.01024		.00924		.01144		-.03744		-.04941		-.11467		-.17953		-.31738	
.444430	-.03743		.04414		.04416		.04444		.02631		.02744		-.09845		-.14066		-.21071		-.33410	
.484413	-.05244		.07047		.07427		.06314		.06322		-.04344		-.11376		-.15015		-.22292		-.32429	
.524290	-.04371		.08444		.08441		.07743		.06213		-.10314		-.11376		-.13410		-.24574		-.32303	
.565174	-.08444		.09217		.09134		.09012		.10029		-.11216		-.13717		-.17173		-.21636		-.31459	
.603119	-.03442		.03734		.03144		.02613		.04424		-.10771		-.13081		-.15437		-.20564		-.29170	
.640574	-.04451		.10604		.09447		.09044		.08427		-.10411		-.12721		-.15116		-.19653		-.27665	
.677131	-.05224		.10144		.10144		.10404		.10444		-.10413		-.12573		-.14464		-.18317		-.25944	
.713421	-.08409		.04474		.04414		.04661		.05444		-.10457		-.12542		-.14647		-.18405		-.24309	
.745079	-.04424		.04424		.04214		.04214		.08241		-.10133		-.11090		-.12667		-.15434		-.20946	
.744532	-.07517		.04407		.07447		.07444		.07494		-.06341		-.09124		-.10740		-.12351		-.14504	
.816443	-.25173		.07457		.07457		.07260		.07470		-.07120		-.07944		-.04339		-.10623		-.13459	
.853240	-.27632		.04444		.04444		.04472		.05024		-.05360		-.06004		-.07040		-.08044		-.09440	
.844544	-.25132		.04444		.03704		.03704		.03544		-.03474		-.03476		-.04444		-.05436		-.06440	
.914430	-.21444		.04444		.04444		.04444		.04444		-.00711		-.01076		-.01452		-.02444		-.03416	
.944430	-.30477		.04444		.04444		.04444		.04444		.01753		.01473		.01249		.00444		.00405	
.977475	-.30456		.04444		.04444		.04444		.04444		.04723		.06443		.06751		.06444		.05444	
.994430	-.32744		.04444		.04444		.04444		.04444		.12207		.12767		.13522		.12443		.11448	
1.000000	-.32744		.04444		.04444		.04444		.04444		.13914		.14334		.14446		.13860		.11396	

TABLE V. - Continued.

(b) $\alpha = -3.75^\circ$

SWEEP= 20.20

SPARSE LOCATIONS

SORT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.000000	.60103		.54386		.47350		.55309		.59732		.65184		.63226		.65873		.64202		.63808	
.044023	.65118		.55247		.45512		.55353		.65353		.75136		.84771		.82071		.78577		.74790	
.071421	.75645		.74513		.74830		.75410		.75401		.75136		.71325		.67831		.63702		.47421	
.091717	.62646		.62172		.62661		.63755		.63014		.62904		.57426		.53433		.46140		.29294	
.105559	.52618		.56114		.54810		.57344		.52421		.51176		.44344		.40943		.33441		.14609	
.124631	.45131		.44117		.43422		.44422		.44444		.43264		.39749		.32710		.24391		.06428	
.142000	.34454		.34117		.34454		.36774		.35452		.34721		.30607		.25849		.17215		-.00154	
.162374	.27642		.25247		.25410		.26007		.24174		.24185		.20140		.16144		.06016		-.10484	
.205444	.16004		.16424		.16004		.16764		.16750		.16507		.04027		-.00114		-.07341		-.22979	
.240824	-.00119		.1724		-.00511		-.00434		-.00511		-.03413		-.06413		-.10629		-.16972		-.30939	
.310508	-.06413		-.07717		-.07417		-.07417		-.07417		-.07417		-.10726		-.13506		-.21913		-.33221	
.347243	-.11373		-.13441		-.13441		-.13134		-.13540		-.13456		-.17077		-.19405		-.24642		-.35602	
.402031	-.09166		-.14478		-.13903		-.14217		-.12454		-.13421		-.13826		-.20761		-.22697		-.33730	
.444530	-.16774		-.15213		-.14050		-.14217		-.14727		-.14659		-.19770		-.22022		-.26029		-.33707	
.495143	-.14774		-.16015		-.14405		-.14127		-.15275		-.14397		-.14622		-.19455		-.21256		-.24161	
.526200	-.15420		-.17441		-.14144		-.15335		-.15047		-.16213		-.16370		-.17969		-.23458		-.24161	
.565174	-.14241		-.14404		-.15524		-.15276		-.15447		-.19477		-.21092		-.22655		-.24766		-.29445	
.603119	-.12541		-.12529		-.13144		-.15305		-.17671		-.17482		-.21092		-.20437		-.24766		-.26435	
.640574	-.17204		-.17202		-.17523		-.16340		-.16104		-.16256		-.17414		-.14621		-.19740		-.24323	
.677131	-.14745		-.16440		-.15845		-.15249		-.15172		-.15390		-.16425		-.17122		-.18243		-.21452	
.713431	-.14194		-.15777		-.15447		-.15249		-.15172		-.15614		-.16196		-.16844		-.17406		-.19440	
.749079	-.14546		-.14707		-.14404		-.13357		-.13776		-.13706		-.13637		-.14055		-.14707		-.16382	
.784532	-.14547		-.14654		-.13162		-.13148		-.11799		-.11566		-.12194		-.12101		-.11752		-.12799	
.816483	-.24107		-.12144		-.11340		-.10412		-.10449		-.10077		-.10216		-.10077		-.09844		-.09467	
.853340	-.27170		-.06754		-.06352		-.06555		-.04125		-.08209		-.08181		-.08181		-.07483		-.05754	
.884565	-.28452		-.07511		-.04446		-.05977		-.06144		-.05921		-.05307		-.05196		-.04638		-.03131	
.916620	-.24144		-.05309		-.03444		-.02504		-.02545		-.01904		-.02015		-.01513		-.00476		-.00272	
.948934	-.24444		-.01447		-.00254		-.00244		-.00714		-.01416		-.01500		-.02253		-.02504		-.03174	
.977875	-.25714		-.03714		-.04254		-.04564		-.05533		-.05467		-.06257		-.06731		-.07233		-.07930	
.000093	-.32624		-.04402		-.14244		-.11331		-.11442		-.12139		-.12492		-.13700		-.13784		-.13366	
1.000000	-.31444		-.10144		-.11414		-.12725		-.13087		-.14146		-.14313		-.15122		-.15544		-.13617	

TABLE V. - Continued.

(c) $\alpha = -1.64^\circ$

SWEEP= 20.20

SPANWISE LOCATIONS

SOPT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.000000	.81720		.61820		.82038		.82038		.82038		.85751		.82834		.82357		.80712		.71908	
.044023	.74454		.75444		.77000		.75249		.75249		.75196		.73552		.71059		.67240		.56208	
.071421	.51450		.53344		.52708		.54458		.54458		.52920		.51912		.45972		.43267		.29477	
.091717	.34444		.32471		.35470		.36437		.36437		.35442		.33985		.28363		.23324		.11868	
.105558	.24750		.22002		.23559		.24242		.24242		.21361		.19621		.17514		.09362		-.03415	
.124631	.14721		.15444		.15457		.14958		.14958		.13667		.11927		.07943		.01348		-.11933	
.142000	.16167		.03413		.04371		.05157		.05157		.04691		.04691		-.00301		-.05934		-.18253	
.162374	-.06430		-.04371		.00478		-.02224		-.02224		.01119		-.03272		-.07628		-.14818		-.24802	
.208444	-.11230		-.16230		-.14246		-.14320		-.14320		-.14544		-.17476		-.18892		-.23638		-.33701	
.260824	-.14441		-.21117		-.15215		-.20060		-.20060		-.22644		-.24731		-.25526		-.29651		-.38669	
.310508	-.24134		-.30674		-.25253		-.24430		-.24430		-.25499		-.25220		-.26769		-.30272		-.39341	
.357343	-.25450		-.30430		-.28757		-.27862		-.27862		-.28061		-.28980		-.30719		-.33850		-.36745	
.402031	-.21473		-.26130		-.26520		-.26092		-.26092		-.25204		-.25655		-.27310		-.28444		-.36626	
.444930	-.24032		-.29433		-.28641		-.24525		-.24525		-.25493		-.24205		-.29633		-.31799		-.35634	
.486143	-.27471		-.32471		-.27404		-.24377		-.24377		-.27242		-.26046		-.25473		-.25685		-.26633	
.526290	-.26317		-.28376		-.26137		-.25980		-.25980		-.25099		-.24558		-.23858		-.27603		-.29588	
.565174	-.26241		-.26440		-.26255		-.25428		-.25428		-.23927		-.24308		-.26149		-.26022		-.28053	
.603118	-.20203		-.19443		-.21428		-.24054		-.24054		-.23927		-.24308		-.23864		-.23568		-.24287	
.640574	-.24202		-.24314		-.22425		-.21558		-.21558		-.21684		-.21981		-.21409		-.20415		-.21579	
.677131	-.22573		-.21744		-.22491		-.20344		-.20344		-.20330		-.20140		-.14442		-.18511		-.18489	
.712431	-.22504		-.20442		-.15516		-.15404		-.15404		-.19420		-.19380		-.18494		-.17212		-.17072	
.745079	-.21424		-.19444		-.17435		-.17435		-.17435		-.17748		-.17329		-.16303		-.15091		-.13669	
.784532	-.19446		-.17552		-.16350		-.15627		-.15627		-.15394		-.15114		-.13878		-.11850		-.10195	
.819443	-.24414		-.15510		-.14601		-.13972		-.13972		-.13482		-.12876		-.11617		-.09869		-.07281	
.853240	-.27441		-.11072		-.10289		-.09550		-.09550		-.09395		-.08780		-.07634		-.05873		-.02882	
.886545	-.27315		-.09434		-.07578		-.07382		-.07382		-.06782		-.06572		-.05146		-.03497		-.00311	
.919630	-.27763		-.04473		-.04000		-.03581		-.03581		-.02994		-.02463		-.01401		.00528		.02848	
.948039	-.28434		-.02421		-.00534		.00137		.00137		.00646		.01059		.02429		.03631		.05503	
.977875	-.28136		.03312		.05407		.05022		.05022		.06441		.07055		.08061		.08870		.09597	
.998093	-.28554		.10471		.15116		.12138		.12138		.12557		.12781		.14317		.14792		.14652	
1.000000	-.28452		.10467		.13172		.13507		.13507		.14121		.14736		.15518		.16412		.14931	

TABLE V. - Continued.

(c) Concluded.

[illegible]

TEST=116
RUN= 19
POINT=337

TABLE V. - Continued.

(e) Concluded.

[illegible]

TEST=116
RUN= 19
COUNT=339

TABLE V. - Continued.

(g) $\alpha = 6.75^\circ$

SWEEP = 20.20

SPANWISE LOCATIONS

SORT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.000000	-23278		-24496		-42238		-31169		-34062		-22378		-14221		.05004		.18721		.31908	
.044023	-1.25414		-1.54444		-1.66592		-1.61455		-1.71147		-1.59178		-1.37887		-1.13644		-.88421		-.63423	
.071421	-1.53470		-1.84144		-1.93815		-2.07055		-1.95933		-1.78933		-1.59284		-1.52452		-1.14980		-1.01979	
.091717	-1.84247		-1.84940		-2.04049		-2.00806		-1.94344		-1.84836		-1.70935		-1.61455		-1.33703		-1.11618	
.109558	-1.77727		-1.84516		-2.04347		-2.00558		-1.97757		-1.89434		-1.79830		-1.55410		-1.37621		-1.15625	
.124631	-1.53732		-1.84516		-1.94540		-1.95808		-1.90211		-1.84815		-1.72651		-1.54039		-1.33780		-1.15854	
.142000	-1.55142		-1.80460		-1.73440		-1.55296		-1.85501		-1.74663		-1.61264		-1.51158		-1.30487		-1.13384	
.163274	-1.51245		-1.55044		-1.74263		-1.65267		-1.67940		-1.61355		-1.50609		-1.41463		-1.25640		-1.08080	
.204444	-1.32777		-1.43247		-1.44500		-1.44934		-1.45679		-1.39724		-1.32926		-1.18139		-1.05882		-.90797	
.260824	-1.13627		-1.21410		-1.23547		-1.22456		-1.19329		-1.20421		-1.14417		-1.00845		-.90421		-.80327	
.310508	-1.01342		-1.10140		-1.12531		-1.12730		-1.10348		-1.07222		-.98191		-.91417		-.80153		-.66730	
.357243	-.52055		-.54634		-1.00646		-.95143		-.97124		-.94866		-.88440		-.81964		-.70898		-.59064	
.402031	-.81752		-.86757		-.84307		-.86460		-.84748		-.82157		-.79792		-.71863		-.62424		-.50959	
.444930	-.86535		-.82514		-.81742		-.79437		-.77111		-.71750		-.70286		-.62830		-.54585		-.44989	
.486143	-.72241		-.74534		-.75152		-.74251		-.71445		-.70038		-.67605		-.59226		-.48729		-.38660	
.526290	-.67821		-.67963		-.62141		-.61681		-.58843		-.56748		-.54968		-.44877		-.41115		-.32893	
.565174	-.61738		-.61422		-.61442		-.59731		-.58104		-.55230		-.51047		-.44920		-.36109		-.26612	
.603118	-.52378		-.50448		-.50444		-.51279		-.52526		-.49251		-.46061		-.39660		-.31355		-.21763	
.640574	-.53118		-.51256		-.50772		-.48828		-.46504		-.43884		-.40440		-.34567		-.26749		-.19037	
.677131	-.48438		-.46163		-.44814		-.37588		-.41286		-.39511		-.35834		-.30764		-.23284		-.15910	
.712431	-.45141		-.41586		-.40159		-.38297		-.36598		-.34689		-.31034		-.26890		-.20582		-.14925	
.749070	-.42436		-.37901		-.36244		-.34200		-.32989		-.30405		-.27635		-.23212		-.18044		-.13808	
.784532	-.37524		-.34213		-.31662		-.29493		-.28008		-.25866		-.23282		-.19092		-.14902		-.13552	
.819483	-.24542		-.24156		-.26374		-.24842		-.23096		-.21536		-.19092		-.15493		-.12620		-.12737	
.853240	-.27631		-.22442		-.20820		-.19050		-.17583		-.16271		-.13759		-.11433		-.09823		-.10689	
.886565	-.26245		-.18540		-.15355		-.14764		-.13871		-.12056		-.10493		-.08512		-.07395		-.07953	
.918620	-.24775		-.18431		-.16649		-.09265		-.08177		-.06837		-.05441		-.03906		-.03125		-.03767	
.948938	-.24412		-.05243		-.04048		-.03013		-.01757		-.00948		-.00390		.00587		.01006		.00783	
.977875	-.21560		.02447		.03754		.05069		.05406		.06519		.07300		.07021		.06436		.05515	
.994093	-.20211		.08654		.09478		.11344		.11539		.12655		.12683		.13101		.11986		.09559	
1.000000	-.25420		.04554		.10507		.12065		.12404		.13408		.13715		.13910		.13129		.09336	

(g) Concluded.

2000
 2001
 2002
 2003
 2004
 2005

TABLE V. - Continued.

(h) $\alpha = 8.82^\circ$

SWEEP= 20.20

SPANWISE LOCATIONS

	STATION 0	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5	STATION 6	STATION 7	STATION 8	STATION 9
SOP(X/C)	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU
0.000000	-71461	-48200	-1.22863	-1.11522	-1.15622	-97465	-75901	-48799	-23773	.05033
.044023	-2.64064	-2.56412	-2.74500	-2.73175	-2.71152	-2.60982	-2.25734	-1.94798	-1.48474	-1.00979
.071421	-2.22226	-2.52397	-3.03206	-2.64537	-2.84244	-2.69981	-2.45486	-2.14179	-1.77866	-1.42670
.091717	-2.60402	-2.62613	-2.62131	-2.44367	-2.86646	-2.68330	-2.45221	-2.19131	-1.81380	-1.48261
.109558	-2.24402	-2.55004	-2.76769	-2.41366	-2.72263	-2.59942	-2.40586	-2.11944	-1.82887	-1.47854
.124631	-2.18623	-2.54321	-2.67444	-2.64953	-2.51482	-2.47988	-2.26974	-2.02887	-1.74014	-1.40820
.142000	-2.06424	-2.47344	-2.54163	-2.51344	-2.44816	-2.33460	-2.16449	-1.90335	-1.67210	-1.37832
.163274	-1.66071	-2.27043	-2.34701	-2.28587	-2.28817	-2.13415	-1.96312	-1.75531	-1.55302	-1.29602
.208444	-1.54464	-1.70441	-1.75392	-1.74741	-1.75850	-1.70462	-1.62829	-1.48012	-1.29155	-1.05408
.260824	-1.37264	-1.51443	-1.57341	-1.54547	-1.48810	-1.48761	-1.38733	-1.24715	-1.04335	-0.86126
.310504	-1.27474	-1.35446	-1.35184	-1.35740	-1.32298	-1.29304	-1.18878	-1.05208	-0.92537	-0.74552
.357347	-1.11666	-1.14977	-1.20125	-1.20125	-1.17631	-1.11893	-1.03388	-0.93185	-0.79217	-0.63702
.402031	-0.91476	-1.03441	-1.03442	-1.03170	-1.01313	-0.98369	-0.96738	-0.81950	-0.69540	-0.54706
.444930	-0.62746	-0.84744	-0.84667	-0.82205	-0.83084	-0.81927	-0.79527	-0.69766	-0.59122	-0.47187
.486143	-0.52776	-0.67785	-0.77000	-0.82111	-0.82244	-0.80840	-0.74957	-0.64784	-0.55657	-0.41141
.526290	-0.77307	-0.77105	-0.77602	-0.71646	-0.69336	-0.66301	-0.58647	-0.49384	-0.44130	-0.34347
.565174	-0.54164	-0.64802	-0.64504	-0.6164	-0.6210	-0.62557	-0.57459	-0.49323	-0.38638	-0.27529
.603118	-0.55137	-0.75422	-0.75422	-0.57522	-0.5947	-0.55079	-0.50003	-0.42419	-0.32563	-0.22325
.640574	-0.56416	-0.57735	-0.56494	-0.54527	-0.51957	-0.48941	-0.44628	-0.37321	-0.28718	-0.19924
.677131	-0.55144	-0.51893	-0.50151	-0.41846	-0.46753	-0.43694	-0.38829	-0.32818	-0.24895	-0.17800
.713431	-0.50711	-0.46147	-0.44181	-0.43058	-0.41945	-0.38611	-0.34562	-0.29062	-0.22486	-0.17922
.749079	-0.47130	-0.41771	-0.38442	-0.37815	-0.35662	-0.33181	-0.29273	-0.24358	-0.19373	-0.17150
.784532	-0.42226	-0.36445	-0.34449	-0.32620	-0.30747	-0.28243	-0.25248	-0.20778	-0.17501	-0.17876
.819483	-0.28444	-0.31144	-0.24156	-0.27424	-0.25669	-0.23422	-0.20216	-0.17220	-0.15020	-0.17735
.853340	-0.26123	-0.26026	-0.22416	-0.21322	-0.19498	-0.17454	-0.15513	-0.13156	-0.12483	-0.15878
.884565	-0.26441	-0.20021	-0.17874	-0.15850	-0.14307	-0.12735	-0.10687	-0.08919	-0.09312	-0.12342
.918630	-0.24764	-0.13225	-0.11104	-0.09761	-0.08723	-0.07123	-0.05860	-0.04878	-0.05804	-0.06161
.948938	-0.26390	-0.06263	-0.04710	-0.03447	-0.02213	-0.01118	-0.00164	0.00060	-0.01315	-0.03728
.977875	-0.26343	0.01536	0.0473	0.04398	0.0491	0.05968	0.06585	0.06361	0.04594	0.02015
.998047	-0.26343	0.04236	0.09277	0.10510	0.11183	0.12165	0.12641	0.12613	0.10847	0.07314
1.000000	-0.30783	0.04142	0.04741	0.11520	0.11912	0.12753	0.13314	0.13006	0.11099	0.06753

THE
CITY OF
NEW YORK
COUNTY OF NEW YORK

In SENATE,
January 10, 1967.

REPORT
OF THE
COMMISSIONER OF
CORRECTIONS

FOR THE YEAR ENDING
DECEMBER 31, 1966

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[illegible]

TEST=116
RUN= 19
POINT=343

TABLE V. - Continued.

(J) $\alpha = 13.03^\circ$

SWEEP = 20.20

SPANWISE LOCATIONS

SLOT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.00000	-2.74681		-3.23041		-3.72309		-3.51879		-3.50496		-3.14371		-2.75480		-2.15947		-1.53487		-82941	
.044023	-4.62424		-5.40316		-5.76774		-5.54887		-5.54091		-5.30001		-4.72329		-3.97633		-3.08838		-2.26534	
.071421	-4.32524		-5.20400		-5.51707		-5.72456		-5.47132		-4.94611		-4.60437		-4.00400		-3.19851		-2.50262	
.091717	-4.14147		-4.90030		-5.04000		-5.11340		-4.97760		-4.65306		-4.24553		-3.72096		-3.04306		-2.42069	
.109555	-3.84551		-4.55571		-4.62745		-4.82542		-4.67290		-4.41106		-4.04539		-3.53548		-2.94380		-2.30480	
.124621	-3.54762		-4.24400		-4.37184		-4.45424		-4.28335		-4.13543		-3.84944		-3.35816		-2.72421		-2.16239	
.142000	-3.27836		-3.72107		-3.84510		-3.91453		-3.81478		-3.55110		-3.30654		-3.03751		-2.57538		-2.02045	
.162374	-2.94174		-3.42700		-3.46933		-3.46841		-3.44544		-3.22678		-2.97595		-2.57675		-2.23498		-1.86217	
.206444	-2.34736		-2.61230		-2.72430		-2.64534		-2.64853		-2.55731		-2.35843		-2.10320		-1.76723		-1.37842	
.260824	-2.00566		-2.18137		-2.25533		-2.21586		-2.12813		-2.04925		-1.96413		-1.71340		-1.42378		-1.10626	
.310509	-1.67701		-1.55237		-1.50133		-1.48784		-1.48479		-1.76773		-1.62816		-1.42329		-1.18452		-91534	
.357343	-1.48715		-1.45975		-1.41420		-1.40373		-1.36336		-1.48460		-1.36945		-1.19997		-98662		-75832	
.402031	-1.22502		-1.35446		-1.34134		-1.34595		-1.32649		-1.29617		-1.19208		-1.04318		-85039		-64719	
.444930	-1.20544		-1.23325		-1.23824		-1.20520		-1.17941		-1.05493		-98571		-80876		-66235		-55283	
.484142	-1.07365		-1.10709		-1.10654		-1.09387		-1.06446		-1.00969		-95086		-80219		-61257		-42498	
.526290	-94670		-97756		-97123		-94453		-85990		-80219		-74721		-58414		-44576		-32966	
.565174	-87604		-85263		-84584		-82759		-80297		-75224		-68560		-58414		-38442		-29358	
.603118	-77773		-71316		-70576		-70257		-70915		-67031		-60643		-50370		-34112		-28891	
.640574	-67324		-69960		-68150		-66182		-63444		-59390		-53617		-44448		-30758		-24466	
.677131	-64777		-62847		-60218		-45372		-55124		-51325		-45764		-38251		-29356		-30689	
.713431	-61533		-56445		-52052		-49511		-47877		-44637		-40323		-34524		-27064		-31484	
.749079	-57441		-49447		-45707		-44042		-41984		-39014		-34688		-29730		-25755		-34688	
.784532	-51324		-43304		-40040		-37985		-35951		-33355		-30058		-26106		-21569		-35763	
.819483	-25731		-34285		-33495		-31274		-29005		-26550		-23627		-17159		-16654		-33701	
.853340	-30425		-27334		-24196		-22149		-20663		-19121		-17159		-12645		-16168		-29748	
.886565	-33421		-21297		-18925		-16626		-15336		-13878		-12252		-12645		-13766		-23720	
.912630	-32607		-14480		-11683		-10037		-08916		-07822		-07093		-08047		-04383		-17495	
.944533	-31262		-06505		-04425		-03084		-01906		-00841		-00476		-01934		-00933		-00693	
.977875	-30764		-02204		-03744		-05007		-05623		-06240		-06183		-04222		-05315		-01269	
.998042	-32167		-06127		-07472		-08789		-09153		-10162		-10386		-09405		-05707		-01633	
1.000000	-31244		-06240		-07700		-08429		-09013		-10134		-10498		-09601					

(j) Concluded.

TEST=116
RUN= 19
POINT=344

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

TABLE V. - Continued.

(k) $\alpha = 15.10^\circ$

SWEEP= 20.20

SPANWISE LOCATIONS

SQRT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.00000	-3.97786		-4.58571		-5.17230		-5.01184		-5.01078		-4.52195		-3.95448		-3.18883		-2.28184		-1.35201	
.044023	-5.71522		-7.01457		-7.46023		-7.28489		-7.27001		-6.93314		-5.93849		-5.16167		-4.08413		-2.89872	
.071421	-5.74508		-6.67810		-7.10848		-7.26576		-6.85769		-6.44063		-5.73764		-5.06178		-4.02249		-3.07725	
.091717	-5.09425		-6.17015		-6.47088		-6.45107		-6.23709		-5.78865		-5.31364		-4.57614		-3.77277		-2.87216	
.105558	-4.76127		-5.67400		-5.70975		-5.83628		-5.51615		-5.35557		-5.06837		-4.40038		-3.52555		-2.69508	
.124531	-4.28451		-4.88027		-5.16156		-5.07847		-5.01148		-4.71419		-4.38203		-4.00491		-3.34518		-2.55928	
.142000	-3.96421		-4.56371		-4.74530		-4.80687		-4.62519		-4.40405		-3.95253		-3.47364		-2.89282		-2.37806	
.163374	-3.45222		-4.05500		-4.18384		-4.14622		-4.10217		-3.84067		-3.59384		-3.08643		-2.62856		-1.97250	
.208444	-2.72220		-3.06823		-3.17774		-3.17575		-2.91103		-2.92855		-2.75058		-2.43846		-2.01730		-1.55134	
.260824	-2.23456		-2.50114		-2.55454		-2.54600		-2.46087		-2.39764		-2.20249		-1.94213		-1.59863		-1.21361	
.310502	-1.63465		-2.10741		-2.16317		-2.16516		-2.09646		-2.01631		-1.82265		-1.58668		-1.25545		-0.97709	
.357343	-1.15027		-1.75770		-1.81414		-1.80373		-1.75246		-1.66335		-1.53491		-1.33329		-1.07342		-0.80559	
.402031	-1.36244		-1.52344		-1.51174		-1.51535		-1.49276		-1.45253		-1.32824		-1.14880		-0.93411		-0.69998	
.444530	-1.30334		-1.35214		-1.36665		-1.33321		-1.30157		-1.17682		-1.11128		-0.93230		-0.74744		-0.59987	
.486143	-1.19174		-1.21524		-1.22514		-1.21298		-1.17682		-1.11038		-1.00869		-0.86157		-0.67377		-0.51015	
.526290	-1.06614		-1.06409		-1.05434		-1.02586		-0.93818		-0.87535		-0.82925		-0.71354		-0.56349		-0.44348	
.565174	-0.94720		-0.94203		-0.94864		-0.91829		-0.84437		-0.82829		-0.75104		-0.63107		-0.48142		-0.37034	
.603114	-0.81485		-0.77764		-0.76864		-0.76821		-0.77160		-0.72094		-0.64866		-0.53950		-0.41040		-0.33961	
.640574	-0.68282		-0.76014		-0.74420		-0.71819		-0.68406		-0.64082		-0.57002		-0.46743		-0.36356		-0.33516	
.677131	-0.73239		-0.67155		-0.63849		-0.51872		-0.58782		-0.54946		-0.49223		-0.41613		-0.34045		-0.32964	
.712431	-0.67000		-0.58524		-0.57514		-0.54526		-0.52264		-0.46621		-0.44090		-0.38041		-0.34047		-0.37177	
.749079	-0.61372		-0.52287		-0.45694		-0.47476		-0.44577		-0.41894		-0.37247		-0.32763		-0.31849		-0.39582	
.784532	-0.55142		-0.45704		-0.43549		-0.40850		-0.38461		-0.35379		-0.31689		-0.28139		-0.30194		-0.44136	
.816523	-0.49421		-0.38710		-0.34740		-0.32109		-0.30334		-0.28064		-0.25840		-0.24059		-0.29447		-0.46939	
.852340	-0.32745		-0.29000		-0.26323		-0.23813		-0.21796		-0.19892		-0.18540		-0.19052		-0.26389		-0.43973	
.884544	-0.27117		-0.23102		-0.19024		-0.17064		-0.15440		-0.14320		-0.12804		-0.14208		-0.22524		-0.40585	
.918630	-0.35140		-0.15104		-0.12556		-0.10512		-0.09168		-0.07712		-0.06984		-0.08860		-0.17120		-0.30757	
.948538	-0.35413		-0.07154		-0.04464		-0.02700		-0.01832		-0.01020		-0.01160		-0.03594		-0.11324		-0.23421	
.977875	-0.31320		-0.00024		0.2107		0.3282		0.03925		0.04933		0.04877		0.2610		-0.04161		-0.13534	
.998043	-0.1521		0.05772		0.05772		0.06667		0.07479		0.0374		0.08738		0.07367		0.02498		-0.05923	
1.000000	-0.21355		0.04041		0.04256		0.05540		0.06655		0.07871		0.08654		0.07927		0.03422		-0.05448	

TABLE V. - Continued.

(1) $\alpha = 17.19^\circ$

SWEEP = 20.20

SPANWISE LOCATIONS

SORT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.000000	-5.42872		-6.40526		-6.57380		-6.64680		-6.70700		-6.00412		-5.37674		-4.30700		-3.25322		-1.99420	
.044023	-7.20040		-8.74015		-9.32286		-9.15060		-9.11869		-8.78055		-7.58108		-6.44860		-5.21511		-3.77958	
.071421	-6.68352		-8.14041		-8.48557		-8.62530		-8.35158		-7.83629		-7.06004		-6.12641		-4.97692		-3.78064	
.091717	-6.23006		-7.55050		-7.80371		-8.20208		-7.50280		-6.95689		-6.47094		-5.58941		-4.51967		-3.46376	
.109558	-5.62320		-6.23753		-6.65154		-6.64047		-6.44496		-6.14931		-5.78663		-5.13290		-4.29003		-3.23139	
.124631	-4.93500		-5.80316		-6.10432		-5.95575		-5.55557		-5.73154		-5.18983		-4.49110		-3.87594		-3.05143	
.142000	-4.61136		-5.35336		-5.45885		-5.51689		-5.38644		-5.11546		-4.70320		-4.08987		-3.42145		-2.56847	
.163374	-4.07242		-4.70887		-4.50152		-4.44388		-4.75278		-4.50763		-4.17067		-3.63997		-3.04316		-2.31368	
.208444	-3.13559		-3.55435		-3.65189		-3.61582		-3.58103		-3.41357		-3.14358		-2.76199		-2.28526		-1.74128	
.260524	-2.51541		-2.86135		-2.88404		-2.87507		-2.78391		-2.72015		-2.51093		-2.18783		-1.80056		-1.34924	
.310588	-2.14181		-2.37507		-2.34377		-2.36298		-2.30319		-2.21801		-2.02722		-1.76370		-1.44489		-1.07376	
.357243	-1.53045		-1.97250		-2.02423		-2.00875		-1.53307		-1.64390		-1.69894		-1.47278		-1.17788		-.86098	
.402031	-1.54224		-1.70038		-1.64452		-1.64048		-1.53198		-1.58324		-1.44484		-1.23996		-1.06493		-.72595	
.446530	-1.41725		-1.47655		-1.50042		-1.47062		-1.43761		-1.32544		-1.24720		-1.06493		-.82636		-.62578	
.486143	-1.28248		-1.31358		-1.30554		-1.28700		-1.25384		-1.17936		-1.07760		-.91026		-.70583		-.54165	
.526290	-1.16127		-1.14217		-1.14308		-1.13956		-1.09162		-.97267		-.88312		-.79402		-.60791		-.48783	
.565174	-1.03979		-1.01561		-1.00076		-.97616		-.94477		-.85338		-.80435		-.67433		-.51715		-.42786	
.603118	-.85214		-.82556		-.82047		-.81071		-.81560		-.76787		-.69448		-.58885		-.46264		-.38374	
.640574	-.85271		-.75587		-.76829		-.73754		-.70254		-.66457		-.59818		-.50846		-.41768		-.34841	
.677131	-.77860		-.70466		-.67815		-.54537		-.61388		-.57039		-.51885		-.44907		-.39434		-.40898	
.712431	-.71492		-.63322		-.55583		-.57036		-.54372		-.50749		-.46379		-.40911		-.39252		-.47244	
.745079	-.64350		-.54512		-.50913		-.48109		-.45678		-.42617		-.39415		-.36447		-.38504		-.53367	
.784532	-.57129		-.47174		-.43084		-.40163		-.37359		-.35139		-.32217		-.31236		-.36728		-.59630	
.815483	-.30828		-.36719		-.35629		-.32505		-.30208		-.27590		-.26305		-.27170		-.35653		-.63953	
.853240	-.32410		-.26776		-.25695		-.23500		-.21398		-.19661		-.19017		-.20978		-.31654		-.59000	
.885645	-.22127		-.22127		-.18036		-.15823		-.14366		-.13105		-.13189		-.16859		-.26571		-.53509	
.918830	-.23531		-.14369		-.11115		-.09182		-.07585		-.06800		-.05772		-.10807		-.22323		-.42245	
.948538	-.34554		-.06568		-.05231		-.02802		-.02401		-.01365		-.01757		-.05343		-.15823		-.30589	
.977875	-.22141		-.06084		-.00896		-.01512		-.02016		-.02940		-.03164		-.00532		-.07615		-.19234	
.998093	-.20445		-.06312		-.03556		-.04146		-.04396		-.05040		-.05544		-.03948		-.02464		-.12039	
1.000000	-.22872		-.03508		-.04660		-.04548		-.04505		-.05740		-.05936		-.04536		-.01736		-.12095	

TABLE V. - Concluded.

(1) Concluded.

SORT(S/C)	(-1)	(2)	(-L)	CPL	CPL	CPL	CPL	CPL	CPL	CPL	CPL	CPL
0.000000	-5.42672	-6.40424	-6.97340	-6.68680	-6.70700	-6.00412	-5.37674	-4.30700	-3.25322	-1.99420		
.044023	-1.87772	-2.77772	-3.09101	-3.35594	-3.10141	-3.00327	-2.34292	-1.81234	-.96292	-.32582		
.071421	-.44270	-1.03324	-1.09474	-1.12276	-1.19087	-1.03345	-.71682	-.31866	.04397	.33914		
.091717	.17303	-.14553	-.25912	-.31202	-.25592	-.22564	.03017	.27755	.48276	.57093		
.106554	.51496	.27065	.21877	.17737	.20037	.27397	.41580	.56019	.67289	.63865		
.124631	.68567	.52244	.45202	.42203	.45543	.49454	.59988	.70125	.75231	.64335		
.142000	.80432	.67642	.65233	.64259	.64448	.68682	.73788	.78685	.78533	.61564		
.162374	.87284	.81046	.79274	.78837	.74818	.79462	.82614	.82861	.77945	.54844		
.208444	.88232	.87474	.87394	.86824	.86544	.79058	.74933	.74293	.67429	.35445		
.260824	.78245	.71204	.72244	.62141	.50545	.79058	.74933	.67350	.50955	.17210		
.310506	.68246	.71204	.72244	.62141	.50545	.79058	.74933	.67350	.50955	.17210		
.357343	.54163	.62475	.63256	.63596	.62288	.59663	.53601	.42352	.37269	.01646		
.402031	.55680	.56748	.54784	.55663	.54205	.50914	.44768	.34102	.15395	-.09999		
.444930	.45034	.46695	.48547	.47739	.46631	.43906	.37411	.26679	.07452	-.20331		
.486143	.46818	.41734	.42245	.42505	.41627	.38518	.32173	.21910	.02065	-.26532		
.525290	.36240	.34345	.37581	.37283	.35473	.32237	.25870	.14308	-.03685	-.37860		
.565174	.33131	.32322	.32897	.32216	.31602	.27446	.21143	.10603	-.07602	-.42694		
.603114	.29150	.27483	.24561	.28561	.26882	.23730	.17457	.07177	-.10731	-.46076		
.640574	.27200	.25232	.24673	.25085	.23455	.20196	.14629	.04556	-.12851	-.47813		
.677131	.24702	.21693	.22164	.21534	.20514	.17162	.11183	.01434	-.14943	-.50199		
.712431	.23052	.20074	.19783	.19194	.17692	.14747	.09386	.00756	-.15650	-.51201		
.749079	.18301	.16979	.15842	.16705	.15291	.12784	.07449	-.00667	-.17081	-.50844		
.784532	.14666	.13542	.14649	.14766	.13513	.10914	.06514	-.01487	-.16420	-.49294		
.819423	-.34111	.13435	.13308	.12761	.11507	.09113	.04713	-.02673	-.15759	-.46567		
.853340	-.31234	.12344	.11403	.11211	.10230	.08042	.04280	-.01738	-.13547	-.41155		
.886565	-.37824	.09501	.09124	.09070	.08315	.06644	.03274	-.02387	-.12306	-.35516		
.918630	-.34450	.07342	.07444	.07506	.07830	.06239	.03355	-.01389	-.10096	-.28561		
.948938	-.34707	.07533	.06886	.06644	.06239	.04973	.02843	-.01497	-.08263	-.22011		
.977875	1.21046	.06417	.04282	.05512	.05889	.05350	.04191	.01333	-.04840	-.12522		
.998093	-.30441	.04114	.04848	.02940	.05236	.05236	.05068	.03696	-.02400	-.09995		
1.000000	-.32673	.03809	.04060	.04648	.04508	.05740	.05936	.04536	-.01736	-.12095		

TEST=116
RUN= 19
POINT=346

Pressure Distributions at 30° Sweep

(a) 2 10, 100

Sweep = 30.00

SPAWNSISE LOCATIONS

SORT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.000000	.02979	-.12260	-.08185	-.07814	-.08502	.10289	.02138	.16271	.24370	.23523										
.040423	.68211	.59004	.59147	.59941	.60312	.60206	.60441	.60452	.63541	.52054										
.071421	.71269	.71534	.71653	.71005	.72447	.71640	.70827	.68623	.62482	.43532										
.091717	.48282	.67142	.69453	.69628	.70264	.68411	.67248	.62429	.53748	.33100										
.105554	.61229	.53743	.64617	.66028	.64611	.63103	.61092	.54739	.47746	.23704										
.124631	.57264	.58907	.60944	.58628	.58532	.60544	.59573	.48066	.37142	.13678										
.142000	.47424	.45204	.52044	.52316	.51459	.51174	.48934	.42672	.32480	.06016										
.162124	.42124	.41856	.50214	.50625	.48434	.46649	.43769	.36540	.20825	-.03856										
.204244	.28974	.31131	.30660	.31503	.31041	.28453	.26072	.18633	.07870	-.16653										
.240924	.18112	.15745	.19440	.20249	.19423	.16798	.12161	.06974	-.03809	-.27814										
.310509	.09587	.08244	.09532	.09879	.08562	.07474	.06085	-.00409	-.37468	-.34683										
.357343	.04074	.01845	.04146	.03630	.04623	.02365	.02006	-.05595	-.12117	-.37506										
.402031	.00741	.01241	.00403	.00449	.00831	-.00570	-.02591	-.08715	-.14464	-.37218										
.444530	-.02450	-.02424	-.02451	-.02704	-.03086	-.02442	-.06599	-.11547	-.20332	-.38434										
.426143	-.05023	-.05244	-.04482	-.03465	-.04484	-.05113	-.07544	-.12768	-.18686	-.37150										
.526290	-.06554	-.06241	-.05444	-.06576	-.04483	-.06666	-.07927	-.13330	-.20945	-.36903										
.565174	-.07343	-.07117	-.07871	-.07175	-.07470	-.08420	-.10279	-.13974	-.20943	-.35514										
.602116	-.02437	-.04714	-.03542	-.05717	-.07745	-.08209	-.10947	-.13109	-.19528	-.31671										
.540574	-.08144	-.09434	-.09239	-.07153	-.07404	-.08294	-.09329	-.13109	-.17564	-.25404										
.677131	-.07322	-.05141	-.07512	-.15532	-.07040	-.08294	-.09329	-.12137	-.16340	-.25864										
.713431	-.08373	-.05244	-.08304	-.07424	-.07377	-.08122	-.09006	-.11584	-.14357	-.21430										
.745079	-.09145	-.04074	-.07750	-.06459	-.07354	-.07567	-.08913	-.10193	-.12194	-.16451										
.784532	-.07773	-.02004	-.07144	-.06098	-.06423	-.05886	-.07540	-.08448	-.09285	-.11691										
.815433	-.07161	-.07544	-.05024	-.05214	-.04954	-.05400	-.05632	-.06772	-.07564	-.09332										
.853340	-.23551	-.05443	-.65391	-.04386	-.04856	-.04060	-.04163	-.04972	-.05112	-.05558										
.886565	.24871	-.05644	-.04024	-.03159	-.03103	-.03075	-.03298	-.03326	-.03075	-.02489										
.918630	.24142	-.02410	-.02071	-.00780	-.01011	-.00397	-.00844	-.00620	.00412	.00970										
.948934	-.24346	-.01441	.00123	.01193	.01723	.01946	.02141	.02253	.02978	.04066										
.977875	-.25004	.01645	.03219	.04222	.05194	.05672	.06229	.06452	.07233	.09017										
.998093	-.26414	.04411	.07400	.09045	.09268	.09492	.10271	.11358	.12278	.13226										
1.000000	-.25448	.04341	.08515	.09553	.10466	.11386	.11553	.12529	.13405	.13532										

(a) Concluded.

TEST=116
RUN= 21
POINT=364

TABLE VI. - Continued.

(b) $\alpha = -3.76^\circ$

SWEEP= 30.00

SPANWISE LOCATIONS

SORT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.00000	.42064		.40058		.42827		.43432		.38754		.44097		.48170		.49545		.41822			
.044023	.70917		.71124		.71816		.72081		.71869		.71181		.68854		.64833		.49863			
.071421	.66444		.67247		.66526		.67584		.65944		.63775		.59067		.51873		.31983			
.091717	.52407		.54261		.56687		.55959		.54888		.51450		.46583		.37802		.18229			
.109558	.46644		.46441		.46447		.47733		.46728		.44536		.39511		.31838		.08269			
.124631	.38414		.38701		.38877		.38415		.40973		.38187		.29737		.19003		-.02328			
.142000	.29142		.31604		.31041		.32477		.30604		.27773		.21743		.11238		-.05708			
.163374	.20419		.27414		.27175		.24804		.24392		.21423		.15485		.01508		-.18635			
.208444	.12044		.11913		.11572		.10230		.09986		.08400		-.03394		-.05849		-.26592			
.260824	.02844		.04004		.03492		.03122		-.00298		-.02553		-.07312		-.15638		-.34820			
.310503	-.01744		-.03093		-.03743		-.03743		-.05403		-.06419		-.04765		-.21843		-.39726			
.357243	-.16404		-.09714		-.09319		-.09914		-.10484		-.13284		-.16382		-.25502		-.40718			
.402031	-.11243		-.11673		-.11434		-.11534		-.12133		-.12988		-.16970		-.22685		-.37985			
.444930	-.12336		-.12903		-.13213		-.13344		-.13640		-.15330		-.19243		-.24958		-.37918			
.485143	-.14504		-.14923		-.14828		-.13415		-.14090		-.15665		-.18815		-.21358		-.36613			
.526290	-.14720		-.15013		-.14630		-.12055		-.14158		-.15215		-.18905		-.24170		-.34610			
.565174	-.15315		-.14787		-.15042		-.15231		-.15337		-.16518		-.18903		-.22307		-.31924			
.603118	-.11432		-.10546		-.12593		-.14049		-.14239		-.15970		-.17742		-.20359		-.27640			
.640574	-.13754		-.14356		-.13644		-.13057		-.13564		-.14746		-.15991		-.18713		-.25593			
.677131	-.14471		-.13606		-.21921		-.12762		-.13226		-.13986		-.14746		-.17025		-.21583			
.713431	-.13764		-.12531		-.12192		-.11936		-.12308		-.12657		-.13540		-.14284		-.16656			
.745079	-.13401		-.11942		-.11029		-.10490		-.10820		-.11564		-.11866		-.11494		-.12215			
.784532	-.12006		-.10820		-.09890		-.09378		-.09425		-.09425		-.09425		-.09401		-.09076			
.819493	-.10750		-.09727		-.08425		-.08146		-.08030		-.08006		-.08006		-.07797		-.06797			
.852374	-.07496		-.07426		-.06940		-.06271		-.06411		-.06048		-.06048		-.05742		-.04849			
.884545	-.06043		-.05434		-.05295		-.04626		-.04376		-.04515		-.04515		-.03818		-.02257			
.918430	-.05453		-.02918		-.02703		-.02145		-.01666		-.01532		-.01532		-.00835		-.00280			
.948938	-.02476		-.01448		-.00054		.00726		.01061		.01340		.01340		.02120		.03179			
.977875	-.01331		.02779		.03977		.04868		.05036		.05760		.05760		.06596		.07421			
.998093	.05414		.07153		.08263		.09771		.10440		.10356		.10356		.11777		.13281			
1.000000	-.30044		-.00434		.10650		.10774		.11248		.11777		.11777		.12668		.13615			

TABLE VI. - Continued.

(c) $\alpha = -1.67^\circ$

SWEEP= 30.00

SPANWISE LOCATIONS

	STATION 0	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5	STATION 6	STATION 7	STATION 8	STATION 9
	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU
0.000000	.62841	.63845	.64278	.66278	.67652	.56549	.68340	.66066	.64427	.52953
.044023	.64215	.65643	.66224	.65749	.64744	.64533	.63898	.59985	.55438	.40158
.071421	.65551	.66604	.67041	.66450	.65555	.47190	.43013	.39365	.35135	.18849
.091717	.66371	.67422	.67831	.67233	.66340	.32514	.27944	.25934	.19219	.00555
.129558	.68122	.69774	.71872	.72054	.70228	.18219	.15024	.14339	.10002	-.02736
.172631	.71704	.73471	.74065	.74065	.72558	.15526	.14521	.07902	-.00362	-.19217
.212600	.75452	.76254	.76252	.75259	.73536	.06212	.01738	-.01229	-.06891	-.16158
.243374	.79150	.79814	.79515	.78201	.76184	.02012	-.01047	-.04927	-.14652	-.32183
.272444	.82247	.82804	.82440	.80267	.77406	-.11818	-.13598	-.14666	-.21528	-.36761
.298524	.84524	.84957	.84305	.81562	.78233	-.16407	-.18159	-.21156	-.26828	-.42161
.310504	.86145	.86414	.85604	.82528	.78527	-.22494	-.23336	-.25640	-.30594	-.43152
.327243	.87104	.87274	.86262	.82951	.78543	-.22320	-.24946	-.26184	-.32055	-.43226
.340231	.87734	.87761	.86519	.83121	.78599	-.23706	-.24448	-.25393	-.27304	-.39043
.344530	.88144	.87938	.86584	.83228	.78526	-.23639	-.23504	-.25707	-.29148	-.37649
.348143	.88454	.88144	.86734	.83321	-.22741	-.22716	-.24021	-.22941	-.23773	-.35175
.352240	.88751	.88471	.87071	.83621	-.19815	-.20895	-.21704	-.24965	-.28991	-.32814
.356174	.89013	.88742	.87341	.83942	-.22137	-.22073	-.22727	-.22854	-.24309	-.29288
.360314	.89217	.88947	.87541	.84141	-.20112	-.20027	-.20112	-.20513	-.21272	-.24478
.3640574	.89452	.89184	.87781	.84381	-.18572	-.18572	-.19247	-.19141	-.18973	-.22327
.3677131	.89671	.89401	.88001	.84581	-.17412	-.16906	-.17327	-.16906	-.17032	-.18171
.3712431	.89857	.89587	.88181	.84781	-.16042	-.16066	-.15787	-.15159	-.14137	-.13788
.3749079	.89994	.89724	.88321	.84981	-.14346	-.14020	-.13439	-.12696	-.11185	-.09349
.3784532	.90094	.90004	.88601	.85181	-.12347	-.12115	-.11882	-.10813	-.08745	-.06444
.3819483	.90154	.90064	.88661	.85281	-.10627	-.09674	-.09488	-.08396	-.06862	-.04259
.3853340	.90184	.90094	.88691	.85311	-.08822	-.08171	-.07391	-.06276	-.04409	-.01957
.3885565	.90194	.90104	.88701	.85321	-.06520	-.05747	-.04966	-.03796	-.01929	-.00229
.3916530	.90194	.90104	.88701	-.03824	-.03211	-.02904	-.02291	-.01149	.00829	.02446
.3945938	.90184	.90094	.88691	-.01344	-.00118	.00941	.01192	.02334	.03950	.06347
.3972775	.90154	.90064	.88661	.03577	.04580	.05109	.05916	.06752	.08394	.11513
.4004042	.90144	.90054	.88651	.09257	.09981	.10845	.11151	.12292	.13629	.15105
1.000000	.90124	.90034	.88631	.16422	.11039	.11290	.12097	.12905	.14214	.16854

TABLE VI. - Continued.

(d) $\alpha = 0.42^\circ$

SWEEP = 30.00

SPANWISE LOCATIONS

SOP(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.000000	.73140		.71777		.69814		.71926		.72770		.61104		.71503		.69920		.66911		.54189	
.044022	.41474		.35477		.42254		.46199		.39672		.40569		.36669		.36029		.34815		.24732	
.071421	.16564		.14749		.11600		.10502		.11324		.09159		.14386		.08843		.08209		-.03774	
.091717	.01042		-.05410		-.05490		-.05410		-.03774		-.03721		-.03932		-.05569		-.08525		-.23464	
.105558	-.05444		-.16530		-.15984		-.16292		-.13785		-.16247		-.16748		-.17751		-.14620		-.32473	
.124631	-.16117		-.22741		-.21571		-.23084		-.22628		-.18298		-.20030		-.23768		-.27687		-.36485	
.142000	-.20075		-.27561		-.26103		-.26741		-.25328		-.30103		-.26366		-.29192		-.31744		-.35755	
.163374	-.27332		-.33944		-.30452		-.27141		-.29146		-.27323		-.26366		-.31197		-.37123		-.48245	
.208444	-.36643		-.45410		-.38224		-.34511		-.33575		-.35207		-.35034		-.35356		-.39683		-.49477	
.240824	-.33867		-.42746		-.36271		-.36221		-.33575		-.36617		-.38348		-.38175		-.40277		-.49427	
.310509	-.35106		-.45383		-.41044		-.39762		-.39481		-.41489		-.37309		-.38496		-.40969		-.47820	
.367343	-.34424		-.40411		-.34337		-.34818		-.34175		-.37730		-.37235		-.37210		-.39585		-.45668	
.402021	-.32460		-.37349		-.37721		-.36194		-.34151		-.34106		-.33724		-.33298		-.34218		-.37384	
.444630	-.33637		-.35547		-.35543		-.35319		-.34420		-.33208		-.33702		-.33680		-.34151		-.37856	
.466143	-.31442		-.34288		-.34492		-.33769		-.33163		-.32781		-.31277		-.30177		-.29144		-.31008	
.524290	-.31277		-.32741		-.32153		-.30375		-.27999		-.24313		-.27954		-.28673		-.29234		-.30154	
.565174	-.30240		-.31484		-.31482		-.30008		-.29334		-.28344		-.27944		-.26680		-.26070		-.27017	
.603119	-.24811		-.24811		-.23527		-.25480		-.26617		-.25564		-.25669		-.24427		-.22847		-.22447	
.640574	-.27229		-.27841		-.27502		-.26006		-.24953		-.24343		-.23142		-.21647		-.19773		-.19436	
.677131	-.25645		-.25444		-.24237		-.25807		-.22679		-.22089		-.20741		-.19309		-.17435		-.15645	
.717431	-.24605		-.24280		-.22841		-.21240		-.20382		-.19570		-.18502		-.16785		-.14720		-.12516	
.745079	-.23792		-.21764		-.20219		-.18874		-.18293		-.17110		-.16460		-.14767		-.11936		-.09105	
.784532	-.21774		-.20219		-.18804		-.17342		-.16275		-.15277		-.13862		-.11913		-.09012		-.05671	
.819483	-.20640		-.17467		-.15872		-.14511		-.13583		-.12632		-.11193		-.09430		-.06901		-.03397	
.853340	-.25275		-.15271		-.13994		-.11438		-.10669		-.09612		-.08416		-.06468		-.04243		-.00598	
.886665	-.27417		-.12450		-.10307		-.08433		-.08165		-.07080		-.06162		-.04521		-.01628		.01961	
.918830	-.27417		-.04334		-.07414		-.06079		-.04966		-.04048		-.02629		-.01155		.01655		.05327	
.958938	-.26599		-.05244		-.03159		-.01589		-.00988		-.00014		.00820		.02378		.04520		.08666	
.977475	-.24657		-.06101		.01884		.03314		.04454		.05454		.06316		.07651		.09040		.12571	
.984693	-.24654		.05742		.07623		.05513		.04819		.10675		.11209		.12487		.14211		.15851	
1.000000	-.20239		.04224		.07401		.04447		.10625		.11348		.12515		.13377		.14934		.15962	

(e) $\alpha = 2.53^\circ$

SPANWISE LOCATIONS

[illegible]

(e) Concluded.

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

TEST=116
RUN= 21
POINT=368

TABLE VI. - Continued.

(f) $\alpha = 4.62^\circ$

SWEEP= 30.00

SPANWISE LOCATIONS

SORT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.000000	.33475		.26411		.17269		.21739		.19433		.29970		.25615		.30873		.35599		.34643	
.044023	-.54255		-.54346		-.70346		-.70506		-.69390		-.69284		-.60840		-.51335		-.40501		-.33704	
.071421	-.74117		-.74191		-.10872		-.10714		-.10440		-.94014		-.88561		-.83194		-.72789		-.64292	
.091717	-.90845		-.90440		-.11205		-.111513		-.113627		-.105980		-.106033		-.93660		-.86331		-.82507	
.105544	-.87472		-.10440		-.11400		-.112643		-.114515		-.102950		-.107957		-.101544		-.84616		-.84664	
.124631	-.90441		-.10536		-.11702		-.117633		-.111626		-.103739		-.100483		-.91817		-.88699		-.84893	
.142006	-.92138		-.10503		-.113047		-.115478		-.111626		-.102176		-.105069		-.94512		-.92871		-.85856	
.143374	-.94154		-.10430		-.107046		-.104416		-.104278		-.100850		-.97090		-.92144		-.90991		-.88011	
.202444	-.75274		-.97607		-.94102		-.94376		-.94077		-.90992		-.88629		-.83379		-.77554		-.74423	
.240824	-.74437		-.78447		-.92453		-.81812		-.74772		-.83230		-.81439		-.72557		-.67830		-.66786	
.310504	-.75054		-.75314		-.77463		-.77707		-.77531		-.74031		-.72164		-.64328		-.64273		-.60093	
.357243	-.76486		-.76492		-.72657		-.73058		-.71627		-.64402		-.67243		-.61735		-.57730		-.53924	
.402031	-.52404		-.54601		-.60359		-.60744		-.60133		-.54420		-.56994		-.53449		-.48343		-.44503	
.444930	-.54477		-.57351		-.67529		-.57152		-.55345		-.53289		-.51076		-.47078		-.42764		-.41363	
.484143	-.50448		-.54164		-.54284		-.53409		-.53360		-.51934		-.49224		-.45926		-.40415		-.36236	
.526290	-.51211		-.51442		-.61527		-.64766		-.64119		-.43102		-.41680		-.38201		-.35197		-.33209	
.565174	-.45254		-.45355		-.45259		-.44530		-.43583		-.41522		-.39784		-.35780		-.30272		-.24870	
.603118	-.34512		-.37423		-.34682		-.36153		-.39001		-.37496		-.35653		-.31395		-.26014		-.20293	
.640574	-.34742		-.35414		-.34024		-.34861		-.35571		-.34912		-.33005		-.24297		-.23937		-.19658	
.677131	-.35052		-.37347		-.36077		-.29742		-.33019		-.31776		-.29721		-.25971		-.21670		-.17751	
.713471	-.34128		-.32044		-.30410		-.29146		-.28146		-.26699		-.24761		-.21424		-.17549		-.15285	
.749079	-.32478		-.28334		-.27943		-.26302		-.24771		-.23548		-.21587		-.18296		-.14701		-.13534	
.784032	-.30317		-.26674		-.24365		-.23011		-.22440		-.21120		-.19486		-.16638		-.13044		-.12764	
.815483	-.30012		-.24715		-.22731		-.20793		-.19766		-.18086		-.16248		-.13557		-.11013		-.10219	
.853340	-.28902		-.14444		-.14453		-.14160		-.13901		-.12725		-.10990		-.09667		-.06260		-.04581	
.884545	-.26551		-.14764		-.13453		-.11454		-.10542		-.09535		-.08051		-.05745		-.03154		-.00607	
.918530	-.26442		-.11444		-.04723		-.07464		-.06764		-.05953		-.04917		-.03406		-.00411		-.02387	
.944934	-.24230		-.07714		-.05561		-.03770		-.02446		-.01699		-.00859		-.00764		-.02407		-.06334	
.977475	-.24454		-.00364		-.02057		-.03776		-.04754		-.05394		-.06348		-.07299		-.08725		-.11662	
.994093	-.27707		-.04444		-.07607		-.09201		-.10152		-.10935		-.11154		-.12473		-.13619		-.14654	
1.000000	-.29427		-.04444		-.04654		-.10403		-.10431		-.10963		-.11434		-.11941		-.13424		-.13507	

TABLE VI. - Continued.

(f) Concluded.

SORT(X/C)	CPL	CPL	CPL	CPL	CPL	CPL	CPL	CPL	CPL
0.00000	.33475	.25411	.17804	.21739	.19533	.29970	.25615	.30873	.35599
.044023	.71846	.71177	.70513	.69931	.69033	.69364	.69849	.69364	.66046
.071421	.68139	.70947	.71504	.72402	.72581	.71840	.69901	.67501	.61605
.091717	.60992	.61758	.64423	.65459	.65459	.65280	.62804	.59154	.50246
.109558	.48204	.52530	.57112	.57776	.58384	.56755	.54355	.50603	.40572
.124531	.42853	.46424	.44413	.51328	.51726	.49451	.47138	.42019	.32975
.142000	.35872	.40980	.43251	.44806	.45432	.43877	.40104	.34738	.25809
.163374	.30112	.30814	.35212	.36293	.35781	.35080	.31989	.27325	.16746
.208444	.13456	.16454	.20724	.22074	.21827	.20273	.16415	.13239	.02432
.264024	.02472	.06747	.07664	.10412	.10040	.07749	.06149	.00404	-.29496
.310508	-.04340	-.06054	.02027	.03047	.02776	.01132	-.01664	-.07295	-.35863
.357343	-.07454	-.05501	-.03549	-.02925	-.02779	-.03341	-.05797	-.10499	-.36134
.402031	-.06212	-.08501	-.04171	-.05672	-.05484	-.06546	-.08460	-.12424	-.37257
.444930	-.14540	-.14364	-.12745	-.11246	-.11824	-.12735	-.14479	-.18775	-.41128
.486143	-.14434	-.14095	-.12207	-.11459	-.10692	-.12097	-.14394	-.14945	-.26091
.526290	-.14330	-.15414	-.13351	-.12862	-.12850	-.13284	-.15053	-.14243	-.23730
.565174	-.15065	-.15372	-.13251	-.13415	-.12650	-.14925	-.15010	-.18179	-.20028
.603118	-.12401	-.13446	-.12695	-.11449	-.11371	-.12254	-.13607	-.15960	-.20432
.640574	-.12724	-.12371	-.11145	-.10224	-.10518	-.11400	-.12783	-.15107	-.18667
.677131	-.12134	-.12461	-.11165	-.10459	-.09812	-.10194	-.11459	-.12695	-.22992
.713431	-.11434	-.11106	-.09484	-.08253	-.08929	-.05165	-.09924	-.11165	-.18755
.749079	-.12147	-.12987	-.11445	-.10778	-.10527	-.10618	-.11507	-.11825	-.16220
.784532	-.11471	-.10842	-.09544	-.08660	-.08592	-.09047	-.09544	-.10527	-.11939
.819483	-.11074	-.10163	-.08589	-.07577	-.07089	-.06998	-.07431	-.07345	-.07453
.853340	-.27104	-.08224	-.06534	-.05905	-.05290	-.05313	-.05313	-.05222	-.04493
.886565	-.27644	-.08023	-.06526	-.05072	-.04587	-.04372	-.04399	-.04022	-.02137
.919630	-.27362	-.08223	-.03214	-.02460	-.01302	-.01545	-.01652	-.01598	-.00986
.948938	-.28449	-.02497	-.00848	.00048	.01309	.01498	.01767	.02252	.03436
.977875	1.06242	.01767	.03867	.04540	.05671	.05887	.06398	.06464	.05348
.998093	-.20473	.04522	.06508	.07719	.08949	.09648	.09956	.10935	.10464
1.000000	-.25027	.06484	.04698	.10403	.10431	.10963	.11438	.11941	.13424

TEST=116
RUN= 21
POINT=369

TABLE VI. - Continued.

(g) $\alpha = 6.69^\circ$

SWEEP = 30.00

SPANWISE LOCATIONS

SORT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.00000	-1.23412		-1.31473		-1.42944		-1.42360		-1.43050		-1.27384		-1.26074		-1.14267		-1.00513		-0.9737	
0.04023	-1.22814		-1.37264		-1.47121		-1.55749		-1.60413		-1.58873		-1.32002		-1.20106		-0.96474		-0.76613	
0.07121	-1.43897		-1.64326		-1.78661		-1.83441		-1.71614		-1.78310		-1.62006		-1.49845		-1.23930		-1.09750	
0.09177	-1.57047		-1.74542		-1.84151		-1.91546		-1.66880		-1.78310		-1.64538		-1.54465		-1.33648		-1.18672	
0.10552	-1.55325		-1.73758		-1.79719		-1.83113		-1.61829		-1.78252		-1.68445		-1.52619		-1.33590		-1.20567	
0.12431	-1.48217		-1.62244		-1.74547		-1.78298		-1.67545		-1.65871		-1.52023		-1.39230		-1.28225		-1.17358	
0.14200	-1.39449		-1.54902		-1.64138		-1.65556		-1.60873		-1.65546		-1.54133		-1.42119		-1.26666		-1.13964	
0.163374	-1.37644		-1.46614		-1.53216		-1.53949		-1.54637		-1.48126		-1.39826		-1.30839		-1.21163		-1.09562	
0.208444	-1.15174		-1.25421		-1.29164		-1.33235		-1.31066		-1.28240		-1.21443		-1.11343		-1.00346		-0.89997	
0.240824	-0.82232		-1.02247		-1.06691		-1.09402		-1.07821		-1.06616		-0.99078		-0.84012		-0.75514		-0.65965	
0.210508	-0.84927		-0.94047		-0.94674		-0.94034		-0.94894		-0.94530		-0.90569		-0.74747		-0.66447		-0.57655	
0.357343	-0.83140		-0.87440		-0.88744		-0.85574		-0.88032		-0.85046		-0.81091		-0.74747		-0.66447		-0.57655	
0.402021	-0.7224		-0.74840		-0.74740		-0.77641		-0.75425		-0.74205		-0.71630		-0.64661		-0.58213		-0.49178	
0.445530	-0.68014		-0.69144		-0.69344		-0.64349		-0.64242		-0.66209		-0.59744		-0.56519		-0.49224		-0.42877	
0.485143	-0.61172		-0.64312		-0.65124		-0.60335		-0.63069		-0.61450		-0.57987		-0.53176		-0.45339		-0.36372	
0.526290	-0.59252		-0.59772		-0.59614		-0.57129		-0.51347		-0.49669		-0.47326		-0.41273		-0.37659		-0.31244	
0.555174	-0.54911		-0.54572		-0.53574		-0.52729		-0.51606		-0.49530		-0.46437		-0.41098		-0.33344		-0.25399	
0.603118	-0.44742		-0.43513		-0.42674		-0.44572		-0.45483		-0.43789		-0.40738		-0.35632		-0.29043		-0.20823	
0.640574	-0.44545		-0.44415		-0.44744		-0.43217		-0.41013		-0.39533		-0.36607		-0.32094		-0.25717		-0.20187	
0.677131	-0.44572		-0.42240		-0.40653		-0.30547		-0.37119		-0.35272		-0.32581		-0.28577		-0.23175		-0.19022	
0.713431	-0.41544		-0.37714		-0.35255		-0.33755		-0.32511		-0.31040		-0.28309		-0.24528		-0.19860		-0.18529	
0.745079	-0.37744		-0.32114		-0.30760		-0.29336		-0.28286		-0.26792		-0.24295		-0.20770		-0.17409		-0.16755	
0.784532	-0.34422		-0.30293		-0.28263		-0.26482		-0.24444		-0.23571		-0.20793		-0.17829		-0.14794		-0.15565	
0.819443	-0.30415		-0.27204		-0.24744		-0.22544		-0.20840		-0.19183		-0.17269		-0.14888		-0.12647		-0.12647	
0.853340	-0.24427		-0.21933		-0.1954		-0.17147		-0.15636		-0.14572		-0.12725		-0.10486		-0.08247		-0.07856	
0.885565	-0.25571		-0.16335		-0.13788		-0.12501		-0.11550		-0.10570		-0.09031		-0.07100		-0.05421		-0.03434	
0.918630	-0.21042		-0.12421		-0.10262		-0.08435		-0.07400		-0.06624		-0.04849		-0.03574		-0.01531		-0.00624	
0.948338	-0.24594		-0.07412		-0.05589		-0.03350		-0.01922		-0.00971		-0.00523		-0.00484		-0.02024		-0.04906	
0.977875	-0.21104		-0.00414		-0.02405		-0.03552		-0.04671		-0.05146		-0.05789		-0.06376		-0.07467		-0.09397	
0.984093	-0.27401		-0.04444		-0.04414		-0.04760		-0.04628		-0.10599		-0.10451		-0.11550		-0.11854		-0.12585	
1.000000	-0.20705		-0.04041		-0.05579		-0.04444		-0.04676		-0.10319		-0.11606		-0.11458		-0.12557		-0.11941	

TABLE VI. - Continued.

(h) $\alpha = 8.79^\circ$

SWEEP= 30.00

SPANWISE LOCATIONS

	STATION 0	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5	STATION 6	STATION 7	STATION 8	STATION 9
SOPT(X/C)	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU
0.000000	-1.92075	-1.14004	-1.35454	-1.23957	-1.31941	-1.11928	-1.98621	-1.72487	-1.46939	-1.21390
.044023	-1.97302	-2.44549	-2.64847	-2.55524	-2.72032	-2.65858	-2.25406	-1.99751	-1.65207	-1.22839
.071421	-2.17544	-2.72724	-2.77845	-2.94387	-2.64327	-2.66710	-2.44195	-2.21095	-1.81495	-1.53498
.091717	-2.20722	-2.55954	-2.72294	-2.74853	-2.67668	-2.53776	-2.39134	-2.16411	-1.86174	-1.54722
.105558	-2.17257	-2.55428	-2.62526	-2.60872	-2.60458	-2.47222	-2.34400	-2.07836	-1.80169	-1.51956
.124631	-1.84082	-2.32192	-2.45016	-2.45752	-2.46533	-2.32286	-2.12937	-1.91750	-1.73551	-1.46297
.142600	-1.87292	-2.25933	-2.38885	-2.36836	-2.33894	-2.22818	-2.07009	-1.84465	-1.61969	-1.34496
.162374	-1.76901	-2.03375	-2.06440	-2.05536	-2.15511	-1.99477	-1.85040	-1.67025	-1.52732	-1.29752
.204444	-1.44585	-1.63845	-1.64373	-1.66328	-1.65141	-1.58698	-1.48624	-1.33284	-1.22343	-1.04141
.260824	-1.21246	-1.36047	-1.40394	-1.38700	-1.35507	-1.37603	-1.27978	-1.16209	-1.01473	-0.83694
.310508	-1.07491	-1.21194	-1.22444	-1.23290	-1.22293	-1.19301	-1.09676	-0.9054	-0.74643	-0.72598
.357343	-0.85520	-1.04934	-1.07232	-1.07133	-1.04689	-1.00724	-0.95339	-0.8611	-0.74643	-0.60704
.402031	-0.84646	-0.91234	-0.91754	-0.93683	-0.91147	-0.85019	-0.84650	-0.76319	-0.65045	-0.51485
.444930	-0.86756	-0.95103	-0.95320	-0.92575	-0.81096	-0.77519	-0.70388	-0.63890	-0.53744	-0.44874
.486143	-0.72452	-0.76503	-0.74214	-0.6773	-0.74802	-0.71859	-0.67241	-0.59567	-0.52435	-0.39554
.526290	-0.76448	-0.68079	-0.67214	-0.64773	-0.57529	-0.55695	-0.53047	-0.45438	-0.39350	-0.32969
.565174	-0.63442	-0.60052	-0.63245	-0.61228	-0.59741	-0.55919	-0.51821	-0.44792	-0.34876	-0.24578
.603118	-0.52267	-0.51906	-0.50674	-0.51163	-0.52267	-0.50080	-0.45684	-0.39356	-0.30990	-0.21584
.640574	-0.53520	-0.51672	-0.50887	-0.49315	-0.47574	-0.44431	-0.40864	-0.34643	-0.27423	-0.21180
.677131	-0.50611	-0.47425	-0.44514	-0.37172	-0.41416	-0.39229	-0.35216	-0.30247	-0.24514	-0.20649
.713431	-0.47425	-0.43478	-0.40988	-0.38401	-0.36787	-0.34073	-0.30564	-0.26095	-0.21112	-0.20855
.745079	-0.42482	-0.37745	-0.35757	-0.33324	-0.31780	-0.29979	-0.26587	-0.22773	-0.19287	-0.20153
.784532	-0.34805	-0.37705	-0.31500	-0.25481	-0.27944	-0.25370	-0.22843	-0.19030	-0.16410	-0.18539
.819483	-0.37465	-0.29792	-0.26165	-0.23466	-0.22546	-0.20808	-0.17954	-0.15310	-0.13649	-0.15240
.853340	-0.25658	-0.25097	-0.21675	-0.19066	-0.17411	-0.15447	-0.13175	-0.10987	-0.09220	-0.09978
.886565	-0.24920	-0.19431	-0.16513	-0.14213	-0.12727	-0.11689	-0.09613	-0.08042	-0.06864	-0.05966
.918630	-0.24192	-0.18614	-0.11436	-0.09501	-0.07295	-0.06499	-0.04505	-0.03463	-0.02600	-0.01647
.948938	-0.24575	-0.06627	-0.05125	-0.03133	-0.02011	-0.01142	-0.00020	0.00766	0.01327	0.02785
.977875	-0.26374	-0.01454	0.01037	0.03167	0.04284	0.05437	0.06222	0.06671	0.07091	0.07848
.998093	-0.26131	0.06073	0.05530	0.08264	0.05025	0.04492	0.10314	0.10819	0.10679	0.10314
1.000000	-0.32445	0.07073	0.07007	0.06408	0.04685	0.10090	0.10651	0.11323	0.11407	0.09866

(h) Concluded.

TEST=116
RUN= 21
POINT=371

TEST=116
RUN= 21
POINT=371

TABLE VI. - Continued.

(i) $\alpha = 10.89^\circ$

SWEEP= 30.00

SPANWISE LOCATIONS

	STATION 0	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5	STATION 6	STATION 7	STATION 8	STATION 9
	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU
0.00000	-1.6740	-1.91894	-2.34807	-2.24594	-2.30245	-2.04784	-1.82239	-1.45426	-1.06544	-0.60447
.044023	-2.07402	-2.62401	-3.41503	-3.47496	-4.01794	-3.76014	-3.33259	-2.95332	-2.37619	-1.79216
.071421	-3.05517	-3.58085	-3.94262	-4.01157	-3.82167	-3.61373	-3.37715	-2.99682	-2.49660	-2.02474
.091717	-2.50258	-3.44325	-3.69755	-3.72513	-3.64981	-3.39307	-3.17028	-2.82548	-2.40165	-1.96190
.105558	-2.72428	-3.12414	-3.40411	-3.42802	-3.37147	-3.27254	-3.04169	-2.68447	-2.32397	-1.89755
.124631	-2.67572	-3.08241	-3.27855	-3.33449	-3.24066	-3.03070	-2.86456	-2.50443	-2.18015	-1.79599
.142000	-2.46770	-2.84744	-2.92444	-2.84745	-3.01055	-2.85482	-2.73440	-2.38993	-2.04137	-1.67266
.163374	-2.15359	-2.47004	-2.50434	-2.53375	-2.60153	-2.38718	-2.20122	-1.95247	-1.88061	-1.54487
.208444	-1.72632	-1.93110	-2.04341	-2.04252	-2.03298	-1.94875	-1.84512	-1.65247	-1.43407	-1.14484
.260324	-1.50514	-1.65327	-1.70545	-1.65463	-1.65073	-1.53240	-1.45452	-1.38447	-1.18609	-0.95697
.310508	-1.29637	-1.40476	-1.46836	-1.45199	-1.42167	-1.38440	-1.26549	-1.14087	-0.97434	-0.76228
.357243	-1.12042	-1.22082	-1.25118	-1.26064	-1.23778	-1.16721	-1.09315	-0.97511	-0.82477	-0.65560
.402031	-0.93276	-1.00361	-1.02482	-1.06452	-1.02722	-1.02978	-0.97247	-0.86553	-0.73377	-0.56411
.446930	-0.83637	-0.91157	-0.94228	-0.95539	-0.93683	-0.86178	-0.79965	-0.72227	-0.59592	-0.47883
.486143	-0.83056	-0.91192	-0.97320	-0.96147	-0.84071	-0.79920	-0.75137	-0.65684	-0.55960	-0.40821
.526290	-0.74175	-0.77246	-0.76378	-0.73451	-0.64127	-0.60923	-0.54990	-0.50184	-0.41994	-0.34571
.565174	-0.68048	-0.68133	-0.68662	-0.67815	-0.68715	-0.62948	-0.58038	-0.49849	-0.38739	-0.27059
.603114	-0.60940	-0.60960	-0.57149	-0.57509	-0.58715	-0.55160	-0.51097	-0.43161	-0.34104	-0.24116
.640574	-0.60452	-0.56874	-0.56620	-0.54102	-0.51426	-0.46219	-0.44198	-0.36919	-0.29343	-0.23523
.677131	-0.55203	-0.52113	-0.49044	-0.34083	-0.45870	-0.42061	-0.37892	-0.32432	-0.26697	-0.24306
.713431	-0.50129	-0.45395	-0.4460	-0.41875	-0.40499	-0.37771	-0.34041	-0.24191	-0.24738	-0.26463
.749079	-0.45065	-0.42201	-0.34263	-0.36722	-0.34903	-0.32269	-0.29331	-0.25018	-0.22476	-0.25694
.784532	-0.40556	-0.37515	-0.34134	-0.31499	-0.29424	-0.26720	-0.24132	-0.20052	-0.18723	-0.22803
.819443	-0.40266	-0.32059	-0.27486	-0.26300	-0.24342	-0.21520	-0.18862	-0.16624	-0.16088	-0.19469
.853340	-0.23725	-0.25039	-0.21936	-0.20175	-0.18655	-0.16820	-0.14751	-0.12934	-0.12627	-0.14863
.896565	-0.29931	-0.21488	-0.17547	-0.15087	-0.13409	-0.11872	-0.10530	-0.09049	-0.09244	-0.09887
.916630	-0.30222	-0.15324	-0.11936	-0.09300	-0.07119	-0.06197	-0.05163	-0.03709	-0.04212	-0.04660
.948938	-0.30099	-0.06445	-0.05107	-0.03569	-0.02116	-0.00355	0.0456	0.00428	0.00009	-0.0187
.977875	-0.28324	-0.05558	0.01723	0.03073	0.03772	0.04777	0.05280	0.05280	0.04610	0.04163
.992093	-0.23100	0.06374	0.05475	0.07347	0.08073	0.09107	0.09191	0.09554	0.08744	0.07487
1.000000	-0.24448	0.04721	0.05543	0.07734	0.08409	0.09247	0.10141	0.10727	0.09749	0.07710

(i) Concluded.

TEST=116
RUN= 21
POINT=372

TEST=116
RUN= 21
POINT=372

(j) Concluded.

TEST=116
RUN= 21
POINT=373

(k) Concluded.

TEST=116
RUN= 21
POINT=374

TABLE VI. - Continued.

(1) $\alpha = 17.14^\circ$

SWEEP= 30.00

SPANWISE LOCATIONS

SOPT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.00000	-5.31242		-6.20828		-6.85718		-6.60596		-6.77273		-6.12275		-5.50271		-4.63679		-3.50896		-2.27102	
0.04023	-6.77059		-8.22982		-8.81352		-8.82848		-8.81138		-8.47356		-7.48898		-6.49585		-5.29104		-3.83609	
0.07121	-6.40926		-7.51674		-8.20844		-8.22555		-8.02457		-7.59268		-6.84463		-6.05327		-4.92757		-3.81684	
0.09177	-5.74325		-7.05402		-7.36284		-7.72524		-7.22386		-6.44881		-6.31411		-5.62779		-4.48820		-3.45123	
0.10558	-5.00687		-5.73846		-6.16531		-6.17916		-6.10901		-5.88470		-5.38902		-4.80287		-4.22872		-3.16935	
0.12463	-4.50472		-5.35117		-5.64378		-5.69178		-5.60317		-5.37979		-4.90441		-4.31549		-3.56781		-2.99181	
0.14200	-4.20102		-4.88318		-5.11102		-5.16532		-5.04840		-4.80155		-4.44657		-3.93149		-3.30381		-2.46567	
0.163374	-3.67364		-4.28312		-4.64749		-4.47057		-4.40133		-4.21026		-3.94442		-3.52145		-2.94566		-2.25659	
0.208444	-2.84291		-3.21742		-3.33772		-3.33772		-3.30466		-3.19048		-2.93607		-2.63007		-2.17984		-1.65850	
0.240824	-2.25194		-2.53241		-2.61204		-2.57598		-2.52540		-2.46083		-2.31457		-2.03210		-1.67703		-1.24733	
0.310508	-1.90490		-2.04571		-2.14341		-2.14682		-2.10873		-2.02409		-1.86133		-1.63746		-1.33297		-97614	
0.357243	-1.61393		-1.77618		-1.81374		-1.81724		-1.77419		-1.69406		-1.56084		-1.37304		-1.08808		-78108	
0.402031	-1.35899		-1.51212		-1.52174		-1.53550		-1.50130		-1.42582		-1.29988		-1.13664		-89020		-62080	
0.444530	-1.23667		-1.31297		-1.32716		-1.32716		-1.28396		-1.21258		-1.11573		-95067		-73538		-51508	
0.46143	-1.12206		-1.17629		-1.18373		-1.18442		-1.11391		-1.04707		-95886		-81768		-62307		-44233	
0.526290	-1.00387		-1.03161		-1.02979		-1.01475		-91748		-86337		-83359		-71765		-52213		-41437	
0.565174	-92702		-91782		-90715		-86754		-85840		-79883		-72035		-61992		-47811		-36557	
0.603118	-78692		-74765		-72856		-72483		-72782		-68090		-61779		-51652		-41307		-37917	
0.640574	-76414		-70905		-70500		-67493		-63314		-58665		-53206		-45487		-37768		-41563	
0.671131	-68157		-64743		-61224		-61604		-55880		-51053		-45807		-40135		-36104		-44335	
0.713431	-65742		-57438		-53714		-50871		-47794		-43940		-39289		-35553		-35060		-47089	
0.745079	-59376		-49497		-48444		-43263		-39265		-35717		-32146		-29210		-31641		-45961	
0.784532	-53546		-44142		-39571		-35600		-32123		-29069		-26390		-24816		-28881		-43870	
0.819483	-48287		-37242		-32311		-28528		-26367		-23031		-20728		-20752		-26014		-39618	
0.853340	-42853		-30214		-26450		-21876		-19228		-17003		-14890		-115820		-21651		-32608	
0.884565	-33031		-23143		-17779		-14834		-12495		-10552		-09425		-10327		-10834		-25566	
0.918630	-34524		-16721		-12770		-09312		-07491		-05594		-04974		-06073		-10634		-11510	
0.948938	-32226		-01742		-06101		-04467		-03228		-02045		-01566		-0087		-02643		-05514	
0.977875	-35670		0.3415		-01179		-00154		-00138		0.0791		0.0157		0.0087		0.0341		-02080	
0.998093	-35625		0.3240		0.2029		0.2395		0.2226		0.3183		0.2930		0.3099		0.0534		-02643	
1.000000					0.1455		0.1551		0.2001		0.3014		0.3127		0.2480					

TABLE VI. - Concluded.

(7) Concluded.

[illegible]

REPRODUCIBILITY OF THE
PAGE IS FOUR

TEST=116
FUN= 21
FOUNT=375

TABLE VII

Pressure Distributions at 40° Sweep

(a) $\alpha = -5.81^\circ$

SWEEP = 40.00

SPANWISE LOCATIONS

	STATION 0	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5	STATION 6	STATION 7	STATION 8	STATION 9
SQRT(X/C)	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU
0.00000	-.05881	-.13096	-.18242	-.17552	-.18401	-.07419	-.07525	-.02008	-.05208	-.05738
.044023	.47279	.40276	.41709	.40435	.40223	.42558	.43566	.44043	.42239	.30090
.071421	.54601	.53434	.54017	.53858	.53381	.53646	.53593	.51524	.45104	.25209
.091717	.51099	.52585	.52479	.53274	.53699	.53062	.52107	.48075	.39958	.15235
.109558	.47905	.48317	.50104	.50928	.50562	.49004	.46805	.42087	.32788	.05760
.124631	.44423	.47172	.46951	.47722	.48134	.49050	.45431	.38972	.27840	-.00150
.142000	.38789	.40392	.41125	.42087	.41400	.41308	.39980	.34712	.24588	-.07388
.163374	.31963	.33704	.39338	.41950	.41675	.38880	.36086	.29077	.13181	-.15954
.208444	.23422	.23447	.25460	.26678	.26230	.24416	.20961	.15618	.03638	-.25715
.260824	.14648	.18252	.17109	.18550	.19420	.14375	.12511	.07291	-.04962	-.34836
.310508	.08658	.08261	.08509	.09503	.08062	.06496	.04731	-.00612	-.12965	-.40727
.357343	.03240	.02619	.02669	.03514	.03688	.02992	.00407	-.05111	-.17786	-.43709
.402031	.01399	-.00362	.00992	.01714	.01534	.00157	-.02618	-.07740	-.19452	-.42874
.444930	-.02392	-.02144	-.01896	-.01535	-.01084	-.03137	-.05958	-.11667	-.20219	-.43348
.486143	-.03656	-.03949	-.04130	-.03837	-.04107	-.04243	-.05484	-.09230	-.17850	-.40821
.526290	-.06274	-.06883	-.07447	-.06905	-.06409	-.05958	-.08282	-.14939	-.21731	-.39715
.565174	-.04939	-.06780	-.05785	-.05023	-.05214	-.05891	-.08664	-.12410	-.19670	-.35268
.603118	-.01171	-.02060	-.01256	-.03034	-.05108	-.06335	-.08050	-.11521	-.17405	-.30252
.640574	-.05806	-.07648	-.06505	-.05658	-.06166	-.06611	-.08748	-.11013	-.15627	-.26062
.677131	-.05986	-.07436	-.06885	-.24305	-.05933	-.06378	-.07711	-.10124	-.14040	-.20664
.713431	-.05986	-.08108	-.07198	-.06499	-.06382	-.07408	-.09274	-.10930	-.13262	-.16759
.749079	-.31031	-.06546	-.07175	-.06499	-.06476	-.07245	-.07828	-.09647	-.11093	-.13565
.784532	-.35392	-.07805	-.07175	-.06033	-.06429	-.06172	-.07245	-.07851	-.08458	-.10393
.819483	-.39239	-.07851	-.07222	-.06289	-.05799	-.05216	-.05496	-.06289	-.07082	-.08854
.853340	-.38423	-.06382	-.05180	-.04201	-.03446	-.03586	-.04033	-.04481	-.04704	-.05543
.886565	-.34872	-.04704	-.04201	-.03334	-.02747	-.02999	-.02747	-.02803	-.02440	-.02915
.918630	-.31769	-.04033	-.03167	-.02160	-.02132	-.01461	-.01573	-.00902	.00105	.01055
.948938	-.29616	-.03278	-.02356	-.01237	.00133	.00943	.01027	.01503	.02565	.04970
.977875	-.27394	-.00658	.00655	.01857	.03114	.03617	.04120	.04399	.05628	.09372
.998093	-.25187	.02918	.03477	.05293	.06271	.06969	.07360	.08478	.09679	.12194
1.000000	-.26780	.02862	.04008	.05656	.06243	.07332	.07807	.09065	.10350	.12138

(a) Concluded.

TEST=116
RUN= 23
POINT=401

TABLE VII. - Continued.

(b) $\alpha = -3.73^\circ$

SWEEP = 40.00

SPANWISE LOCATIONS

SQRT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.00000	.32329		.28138		.25274		.28722		.27608		.33072		.27926		.30578		.33708		.22197	
.044023	.54184		.53600		.53600		.54661		.54396		.54449		.53706		.51903		.46386		.30260	
.071421	.48083		.49993		.52009		.51531		.51425		.50417		.49940		.45007		.38111		.17105	
.091717	.40657		.40127		.44529		.43946		.43681		.43150		.41347		.37368		.27767		.05064	
.109558	.37608		.35455		.39073		.37837		.37195		.36417		.35409		.30737		.19195		.04393	
.124631	.30142		.30462		.32844		.33394		.33394		.35363		.30462		.25012		.15989		.10622	
.142000	.25791		.25882		.28081		.27348		.28035		.27485		.26432		.20294		.11958		.16897	
.163374	.17134		.16630		.25607		.26661		.26020		.23455		.20752		.16538		.01836		.23859	
.208444	.07580		.07977		.10288		.09245		.09120		.08325		.07430		.02784		.09095		.32851	
.260824	-.00372		.01317		.03877		.04200		.04796		.00895		-.00745		-.05765		-.14264		.39313	
.310508	-.04771		-.05094		-.03379		-.04348		-.04075		-.05666		-.05864		-.11257		-.21048		.43115	
.357343	-.07927		-.09542		-.07952		-.07654		-.07231		-.07703		-.09766		-.13021		-.23433		.44109	
.402031	-.08468		-.09821		-.08671		-.09212		-.09144		-.09551		-.09167		-.13995		-.22095		.41385	
.444930	-.10385		-.10430		-.08987		-.10340		-.08287		-.10160		-.11491		-.15935		-.22727		.40234	
.486143	-.10611		-.11965		-.10769		-.11355		-.10791		-.11355		-.10137		-.11852		-.21350		.36083	
.526290	-.11446		-.13183		-.12371		-.11559		-.11198		-.11175		-.13409		-.16364		-.22636		.35158	
.565174	-.12117		-.13111		-.12265		-.12244		-.12328		-.12180		-.13344		-.15482		-.20264		.31163	
.603118	-.07990		-.09683		-.07228		-.09133		-.10699		-.10995		-.12201		-.14614		-.17577		.25491	
.640574	-.11567		-.13429		-.07228		-.11440		-.10678		-.11143		-.12138		-.13640		-.16074		.22105	
.677131	-.11461		-.12963		-.11715		-.25364		-.10106		-.10297		-.10953		-.11969		-.13894		.17005	
.713431	-.12124		-.12404		-.11192		.10679		-.10376		-.10212		-.10609		-.11285		-.11728		.12870	
.749079	-.31989		-.11308		-.10725		-.09769		-.08930		-.08767		-.09070		-.09723		-.09629		.09863	
.784532	-.35323		-.10912		-.09793		-.09606		-.08837		-.08650		-.08837		-.08743		-.08487		.09513	
.819483	-.37258		-.11308		-.09356		-.08674		-.07648		-.07228		-.07088		-.07018		-.06902		.08161	
.853340	-.36975		-.09216		-.07819		-.07064		-.06253		-.05694		-.05303		-.04743		-.04184		.04827	
.886565	-.36836		-.08070		-.06756		-.05358		-.04324		-.03989		-.03541		-.03150		-.01864		.01137	
.918630	-.33844		-.06225		-.04336		-.03793		-.02982		-.02535		-.02060		-.01305		.00428		.02385	
.948938	-.30043		-.04995		-.03234		-.01808		-.00438		.00316		.00708		.01518		.03196		.06355	
.977875	-.26256		-.01564		.00029		.01118		.02291		.03297		.04107		.05001		.06705		.10755	
.998093	-.23547		.02263		.03185		.05420		.06593		.07543		.07850		.08967		.10560		.13856	
1.000000	-.25726		.02934		.04526		.05951		.06677		.07375		.08129		.09135		.10923		.13129	

(b) Concluded.

TEST#116
RUN= 23
POINT=402

TABLE VII. - Continued.

(c) $\alpha = -1.64^\circ$

SWEEP= 40.00

SPANWISE LOCATIONS

SORT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.000000	.51774		.50394		.50871		.50765		.50394		.53207		.50182		.48749		.45564		.31713	
.044023	.47422		.48589		.48218		.48642		.48802		.49332		.47634		.44238		.39249		.21842	
.071421	.30333		.33464		.34154		.35587		.35693		.35481		.34950		.30068		.23858		.02099	
.091717	.19772		.23646		.22797		.22956		.23434		.24336		.20196		.19135		.11068		-.11487	
.109558	.13932		.13245		.13016		.14895		.16040		.14253		.12832		.09441		.02522		-.18924	
.124631	.09716		.09350		.08708		.10266		.10541		.13749		.08067		.03484		-.03160		-.25339	
.142000	.03438		.03484		.04309		.05455		.05821		.05913		.05592		.01743		-.05268		-.31480	
.163374	-.02152		-.00502		.02889		.03759		.03209		.02110		-.00732		-.04398		-.15029		-.37254	
.208444	-.09819		-.10455		-.10987		-.08924		-.08675		-.09669		-.10664		-.13747		-.21529		-.41742	
.260824	-.12752		-.14070		-.13697		-.12976		-.12529		-.14244		-.16929		-.19366		-.25507		-.45023	
.310508	-.16979		-.16904		-.17103		-.16258		-.16581		-.17377		-.17178		-.18645		-.27819		-.45695	
.357343	-.19440		-.19614		-.20435		-.19987		-.19763		-.18719		-.21056		-.22175		-.29161		-.45123	
.402031	-.18948		-.20619		-.19829		-.19332		-.19129		-.19129		-.18113		-.19287		-.26691		-.41340	
.444930	-.19084		-.20619		-.21364		-.20641		-.19580		-.18858		-.20325		-.22718		-.26758		-.39512	
.486143	-.19761		-.20145		-.19625		-.19309		-.18632		-.17639		-.17097		-.18136		-.20190		-.33733	
.526290	-.19783		-.20032		-.20032		-.19242		-.19016		-.18023		-.19535		-.20822		-.24185		-.31973	
.565174	-.19327		-.20195		-.19581		-.18459		-.18417		-.17760		-.18459		-.19645		-.21635		-.28240	
.603118	-.14415		-.15325		-.13992		-.15706		-.16871		-.16426		-.17379		-.18099		-.18755		-.23138	
.640574	-.18565		-.18861		-.17675		-.15961		-.15241		-.14902		-.15198		-.15389		-.15558		-.18671	
.677131	-.17930		-.17421		-.16447		-.26695		-.15135		-.14288		-.14669		-.14330		-.14055		-.14055	
.713431	-.18290		-.17380		-.15817		-.14557		-.14208		-.13718		-.13764		-.13601		-.12645		-.11222	
.749079	-.30186		-.16050		-.15234		-.14231		-.13368		-.12645		-.12411		-.12038		-.10662		-.09332	
.784532	-.32379		-.15421		-.13718		-.11875		-.11152		-.10382		-.10055		-.09426		-.07723		-.08283	
.819483	-.33965		-.13904		-.12365		-.11268		-.10545		-.09262		-.08959		-.08003		-.06836		-.05381	
.853340	-.34804		-.12233		-.10276		-.08905		-.08150		-.07143		-.06584		-.05857		-.04598		-.01745	
.886565	-.34468		-.10611		-.08989		-.07703		-.06444		-.05885		-.05157		-.04179		-.02444		-.01163	
.918630	-.30133		-.08514		-.06276		-.04682		-.03815		-.02752		-.02081		-.00962		-.01219		.03373	
.948938	-.27812		-.06276		-.04206		-.03032		-.01829		-.00347		.00129		.01219		.03373		.06897	
.977875	-.25591		-.02423		-.00411		.01015		.01881		.03278		.03949		.04676		.06604		.10880	
.998093	-.25311		.01965		.03139		.04983		.06073		.06967		.07498		.08588		.10377		.13423	
1.000000	-.26261		.02636		.04033		.06073		.07135		.08141		.08896		.09818		.11662		.13479	

TABLE VII. - Continued.

(c) Concluded.

SORT(X/C)	CPL	CPL	CPL	CPL	CPL	CPL	CPL	CPL	CPL	CPL	CPL	CPL
0.000000	.51774	.50394	.50871	.50765	.50394	.53207	.50182	.48749	.45564	.31713		
.044023	.16376	.12014	.14667	.12754	.14463	.13723	.16121	.12218	.12065	.02371		
.071421	-.02985	-.06863	-.07960	-.08342	-.07067	-.06888	-.10307	-.05996	-.09082	-.21071		
.091717	-.22015	-.23622	-.21148	-.22066	-.22525	-.23852	-.21326	-.19311	-.24974	-.37091		
.109558	-.26964	-.28928	-.26913	-.28724	-.29744	-.28061	-.28750	-.28724	-.31147	-.42780		
.124631	-.29090	-.34964	-.31648	-.32690	-.31193	-.32614	-.30151	-.32273	-.33202	-.44418		
.142000	-.29261	-.33316	-.33846	-.35002	-.34036	-.33619	-.33259	-.32690	-.35400	-.46938		
.163374	-.36233	-.37882	-.36139	-.36518	-.36878	-.38545	-.36537	-.35475	-.40724	-.51599		
.208444	-.36612	-.40231	-.39549	-.38659	-.40269	-.38583	-.38147	-.39549	-.42581	-.53475		
.260824	-.37335	-.39145	-.39956	-.37169	-.36940	-.35215	-.35838	-.38542	-.40101	-.49438		
.310508	-.36961	-.37211	-.37523	-.37481	-.37232	-.36982	-.36587	-.36961	-.39311	-.48024		
.357343	-.37876	-.37523	-.36712	-.36899	-.36109	-.36337	-.35422	-.35984	-.38313	-.45196		
.402031	-.28003	-.35402	-.35339	-.34424	-.34611	-.33052	-.32969	-.33821	-.35693	-.41702		
.444930	-.33725	-.36361	-.35022	-.34448	-.34002	-.33066	-.32216	-.33449	-.34172	-.39443		
.486143	-.31175	-.32981	-.32556	-.30920	-.30686	-.29623	-.29453	-.29985	-.31005	-.36148		
.526290	-.30601	-.32429	-.30877	-.30325	-.29751	-.29496	-.28731	-.28518	-.29347	-.33258		
.565174	-.29134	-.30240	-.29581	-.28794	-.28072	-.30792	-.26286	-.26456	-.27137	-.30792		
.603118	-.27117	-.27764	-.26617	-.25764	-.24559	-.23765	-.23030	-.23001	-.22942	-.27205		
.640574	-.26000	-.25294	-.24647	-.23207	-.22560	-.21590	-.20855	-.19914	-.20061	-.24265		
.677131	-.25676	-.24647	-.23148	-.21972	-.21090	-.20443	-.19826	-.18679	-.18679	-.22413		
.713431	-.24647	-.22383	-.18591	-.19826	-.19414	-.17679	-.16974	-.16239	-.16004	-.19443		
.749079	-.23405	-.22176	-.20469	-.19354	-.18148	-.16714	-.15941	-.14735	-.14371	-.16191		
.784532	-.22039	-.20082	-.18262	-.16623	-.15577	-.14507	-.13324	-.12049	-.10866	-.11139		
.819483	-.25316	-.18990	-.16373	-.15167	-.14052	-.13028	-.12072	-.10639	-.09023	-.06816		
.853340	-.32439	-.16532	-.14439	-.12573	-.11845	-.10343	-.09319	-.08113	-.05996	-.02993		
.886565	-.25831	-.14153	-.11139	-.09740	-.08502	-.07076	-.06081	-.04789	-.02448	-.00485		
.918630	-.24001	-.11489	-.08314	-.06861	-.04924	-.03928	-.03013	-.01668	-.00754	-.03256		
.948938	-.24970	-.08287	-.05489	-.03901	-.02529	-.01829	-.00834	-.00269	-.02583	-.06324		
.977875	-.26180	-.03363	-.00888	-.00808	-.01722	-.02933	-.03633	-.04440	-.06458	-.10952		
.998093	-.25199	.01993	.03809	.04843	.06157	.07526	.08113	.08840	.10517	.13647		
1.000000	-.26261	.02636	.04033	.06073	.07135	.08141	.08896	.09818	.11662	.13479		

TEST=116
RUN= 23
POINT=403

TABLE VII. - Continued.

(d) $\alpha = 0.42^\circ$

SWEEP = 40.00

SPANWISE LOCATIONS

	STATION 0	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5	STATION 6	STATION 7	STATION 8	STATION 9
SORT(X/C)	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU
0.00000	.54099	.53887	.53622	.54311	.54576	.56856	.53781	.51713	.47843	.32573
.044023	.32997	.24620	.26052	.26370	.27112	.25628	.26423	.24832	.21121	.05798
.071421	.08449	.08184	.04844	.04897	.05374	.06117	.05011	.04261	.03109	.17318
.091717	.04222	.09206	.06767	.09312	.06820	.09100	.09047	.10638	.14508	.30732
.109558	.07685	.17161	.15880	.17894	.16521	.16566	.16521	.16841	.21877	.38037
.124631	.10523	.22930	.22792	.21556	.20275	.17161	.18947	.20824	.26318	.43622
.142000	.20915	.23388	.25997	.24898	.24807	.24486	.26669	.24898	.30667	.47376
.163374	.26226	.27050	.23021	.24074	.23067	.23800	.25173	.28790	.35611	.50993
.208444	.27969	.31248	.31074	.31297	.30825	.30974	.31695	.32365	.37358	.51640
.260824	.26528	.32365	.31099	.29981	.29161	.32614	.32539	.32539	.36861	.51168
.310508	.30279	.31248	.32539	.32117	.31869	.32589	.31968	.31397	.35743	.49081
.357343	.30031	.33259	.32961	.32912	.31794	.31794	.31670	.32167	.36215	.46349
.402031	.28508	.30989	.30357	.30447	.28035	.27719	.27764	.27809	.29297	.41339
.444930	.27493	.30538	.30696	.29681	.28959	.28508	.28869	.29591	.32094	.39287
.486143	.26930	.28418	.28350	.27764	.26501	.26208	.24674	.24156	.24472	.28508
.526290	.26862	.27719	.27313	.26366	.25531	.24359	.24584	.24517	.25847	.29658
.565174	.26023	.26679	.26023	.25135	.24564	.23739	.24119	.23443	.23231	.26361
.603118	.20058	.21623	.19254	.20841	.21898	.21433	.21602	.20799	.19868	.21518
.640574	.23950	.23781	.22639	.21158	.19931	.19551	.19529	.18451	.17330	.17330
.677131	.23062	.22681	.21010	.27208	.18768	.18345	.17435	.16018	.14876	.13395
.713431	.23163	.21439	.19807	.18549	.17663	.16964	.16428	.15146	.13049	.11371
.749079	.29642	.19831	.18176	.16848	.15473	.14774	.14168	.12606	.10276	.08435
.784532	.31156	.18572	.16358	.14820	.13772	.12979	.12327	.10812	.08388	.06198
.819483	.31529	.17360	.14844	.13259	.12094	.11161	.09903	.08085	.06477	.05335
.853340	.33221	.14892	.12405	.10868	.09723	.08940	.07990	.06398	.04246	.02877
.886565	.31405	.12992	.10365	.09024	.07431	.06565	.05839	.04302	.01787	.00027
.918630	.28890	.10617	.07487	.05783	.04665	.03743	.03017	.01731	.01035	.04220
.948938	.25789	.08018	.04889	.03324	.01927	.00865	.00085	.01789	.03633	.07629
.977875	.27396	.03246	.00677	.00942	.02171	.02924	.03846	.05018	.07168	.11161
.998093	.26810	.01919	.03343	.05186	.06582	.07587	.07838	.09151	.10993	.13562
1.000000	.27676	.02254	.04293	.06247	.07280	.08118	.08704	.09430	.11607	.14009

(d) Concluded.

TEST=116
RUN= 23
POINT=404

TABLE VII. - Continued.

(e) $\alpha = 2.50^\circ$

SWEEP = 40.00

SPANWISE LOCATIONS

	STATION 0	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5	STATION 6	STATION 7	STATION 8	STATION 9
	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU
SORT(X/C)										
0.000000	.43670	.40584	.36487	.36274	.37072	.44202	.38668	.39147	.37657	.25685
.044023	.00571	-.11987	-.15552	-.13051	-.17573	-.17201	-.10603	-.11242	-.11827	-.21032
.071421	-.32099	-.37793	-.41517	-.41305	-.40719	-.36090	-.36143	-.36409	-.35877	-.46945
.091717	-.36143	-.50350	-.48115	-.50350	-.52478	-.49392	-.48594	-.48754	-.47743	-.56416
.109558	-.42248	-.53550	-.57868	-.61130	-.60028	-.59476	-.55479	-.54744	-.52539	-.59568
.124631	-.43764	-.58328	-.61682	-.59476	-.61957	-.56031	-.53871	-.56904	-.57087	-.68068
.142000	-.53871	-.60947	-.63336	-.61774	-.62417	-.59339	-.59568	-.57777	-.56858	-.69308
.163374	-.51804	-.58466	-.55250	-.55985	-.57225	-.55847	-.55571	-.57179	-.60395	-.68895
.208444	-.45746	-.52975	-.56490	-.58010	-.57462	-.53872	-.53872	-.53249	-.52950	-.62397
.260824	-.44774	-.52526	-.51853	-.48687	-.51429	-.52751	-.50133	-.48663	-.51255	-.59082
.310508	-.45995	-.49361	-.50781	-.49336	-.49784	-.49161	-.47740	-.46419	-.48239	-.54047
.357343	-.41259	-.46643	-.46270	-.46020	-.46818	-.44699	-.44126	-.43976	-.44325	-.49211
.402031	-.37020	-.41274	-.41840	-.41750	-.41297	-.40641	-.39215	-.37721	-.37518	-.40573
.444930	-.38423	-.40958	-.39871	-.39057	-.38649	-.38446	-.37608	-.37065	-.37314	-.39600
.486143	-.36296	-.38853	-.38808	-.37993	-.37902	-.35594	-.34553	-.32086	-.31000	-.31860
.526290	-.34508	-.35073	-.35209	-.34530	-.33784	-.32403	-.31996	-.30864	-.30117	-.30751
.565174	-.31691	-.32880	-.33198	-.32455	-.31861	-.30608	-.29207	-.27700	-.25663	-.26045
.603118	-.26724	-.27531	-.25238	-.26384	-.27806	-.27297	-.26172	-.24665	-.22691	-.22309
.640574	-.30035	-.29314	-.28082	-.26448	-.25896	-.24601	-.24346	-.22394	-.20886	-.20993
.677131	-.28401	-.27637	-.25684	-.28889	-.24028	-.22606	-.21396	-.20228	-.18382	-.18933
.713431	-.27692	-.25704	-.24651	-.23365	-.22360	-.21354	-.19530	-.17893	-.15998	-.18080
.749079	-.28253	-.24184	-.22079	-.20465	-.19179	-.18407	-.17051	-.15413	-.13683	-.16255
.784532	-.29937	-.22149	-.19483	-.17729	-.17261	-.15788	-.15133	-.13168	-.11601	-.12864
.819483	-.28955	-.20395	-.17612	-.15671	-.15109	-.13542	-.12233	-.10970	-.08771	-.08678
.853340	-.27608	-.17317	-.14906	-.13307	-.11961	-.10896	-.09241	-.07334	-.05203	-.03381
.886565	-.28281	-.15635	-.12270	-.10307	-.08737	-.08092	-.06802	-.05091	-.02455	-.00265
.918630	-.27047	-.12158	-.08624	-.06802	-.06353	-.05091	-.04306	-.02708	-.00212	-.03013
.948938	-.28337	-.09129	-.05792	-.03885	-.02876	-.01614	-.00829	-.00405	.03069	.06434
.977875	-.24541	-.03863	-.01285	.00340	.01601	.02554	.03843	.05159	.07093	.10763
.998093	-.28968	.01125	.03002	.05188	.06588	.07233	.07737	.09026	.10819	.13369
1.000000	-.30593	.02582	.04011	.06196	.06645	.07401	.07933	.08998	.10539	.12837

(e) Concluded.

TEST=116
RUN= 23
POINT=405

TABLE VII. - Continued.

(f) $\alpha = 4.58^\circ$

SWEEP = 40.00

SPANWISE LOCATIONS

SQRT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.000000	.16453		.08624		.00368		.01966		-.01656		.08890		.05907		.10168		.14909		.10222	
.044023	-.45276		-.67273		-.71960		-.70575		-.76700		-.76540		-.67486		-.61840		-.51508		-.51135	
.071421	-.66314		-.89536		-1.00081		-1.02798		-1.00934		-.99336		-.93956		-.88471		-.75794		-.78085	
.091717	-.81919		-.97685		-.95341		-1.07538		-1.03277		-1.02372		-.99069		-.91773		-.85435		-.84902	
.109558	-.81245		-.99089		-1.05389		-1.06585		-1.09988		-1.04332		-1.02124		-.95778		-.87730		-.87270	
.124631	-.79912		-.99181		-1.04194		-1.04194		-1.05895		-.98767		-.96192		-.92099		-.85614		-.87546	
.142000	-.78716		-.97847		-1.04286		-1.04148		-1.05205		-1.04699		-1.00652		-.94398		-.86028		-.86902	
.163374	-.81567		-.92880		-.87362		-.91501		-.90903		-.87960		-.86902		-.85016		-.83499		-.84281	
.208444	-.68518		-.78723		-.82989		-.84087		-.85584		-.81792		-.80170		-.76003		-.71612		-.73109	
.260824	-.62654		-.69042		-.69416		-.70863		-.73508		-.73408		-.70888		-.66721		-.64451		-.65598	
.310508	-.57464		-.65499		-.68343		-.67495		-.67869		-.68593		-.64600		-.61107		-.57938		-.57814	
.357343	-.55119		-.60034		-.59036		-.60758		-.59585		-.58437		-.56766		-.53572		-.51626		-.51027	
.402031	-.45602		-.50133		-.51107		-.51197		-.51288		-.51809		-.50382		-.47210		-.44447		-.41819	
.444930	-.46938		-.49090		-.49226		-.49045		-.48139		-.46553		-.44469		-.42521		-.40210		-.39961	
.486143	-.43065		-.47346		-.47890		-.47641		-.47029		-.45557		-.43812		-.39214		-.35838		-.32033	
.526290	-.41932		-.42181		-.42068		-.41343		-.39508		-.37605		-.35567		-.32961		-.28057		-.30696	
.565174	-.38681		-.39574		-.39085		-.38193		-.38065		-.36004		-.34814		-.31967		-.24658		-.25571	
.603118	-.32520		-.32413		-.30522		-.32180		-.33306		-.32073		-.30225		-.27654		-.24658		-.22788	
.640574	-.35133		-.34729		-.33943		-.32626		-.31308		-.30395		-.29120		-.26039		-.22894		-.22639	
.677131	-.34623		-.32583		-.30097		-.29630		-.27271		-.26145		-.24233		-.21641		-.19856		-.21832	
.713431	-.32474		-.29407		-.27230		-.25638		-.25170		-.23718		-.21963		-.19598		-.17304		-.20230	
.749079	-.29477		-.26996		-.24655		-.23274		-.22010		-.20581		-.18428		-.16461		-.14659		-.17374	
.784532	-.31280		-.25872		-.22923		-.21518		-.20043		-.19060		-.17819		-.15314		-.12716		-.13699	
.819483	-.30952		-.23508		-.20254		-.18170		-.16953		-.15455		-.13652		-.11428		-.09579		-.09040	
.853340	-.26384		-.19816		-.16055		-.14174		-.13389		-.12069		-.10526		-.08308		-.05838		-.03228	
.886565	-.28265		-.17009		-.13164		-.11620		-.10273		-.08898		-.07101		-.05445		-.03031		-.00140	
.918630	-.28545		-.14343		-.10526		-.08954		-.07382		-.06456		-.05050		-.03480		-.00449		.00309	
.948938	-.28517		-.10582		-.06708		-.04070		-.02807		-.01544		-.00674		.01179		.03284		.06708	
.977875	-.27158		-.04440		-.00906		.00945		.01646		.02740		.03666		.04928		.06975		.10902	
.998093	-.30271		.01787		.03077		.05012		.05825		.07200		.08013		.09023		.10537		.12893	
1.000000	-.31673		.01927		.03245		.04844		.06050		.06639		.07116		.08434		.10285		.12725	

(f) Concluded.

TEST=116
RUN= 23
POINT=406

(g) Concluded.

TEST=116
RUN= 23
POINT=407

TABLE VII. - Continued.

(g) $\alpha = 6.65^\circ$

SWEEP= 40.00

SPANWISE LOCATIONS

	STATION 0	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5	STATION 6	STATION 7	STATION 8	STATION 9
SORT(X/C)	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU
0.000000	-.25195	-.44397	-.59929	-.53280	-.57163	-.46578	-.46366	-.35089	-.25461	-.14451
.044023	-1.03068	-1.38813	-1.47483	-1.51206	-1.58174	-1.54983	-1.38440	-1.22642	-1.05834	-.91898
.071421	-1.27217	-1.47642	-1.63068	-1.62962	-1.72589	-1.65196	-1.55408	-1.45408	-1.23653	-1.13334
.091717	-1.20727	-1.53281	-1.65408	-1.65887	-1.66100	-1.63440	-1.60249	-1.47217	-1.29504	-1.19983
.109558	-1.26802	-1.55646	-1.66301	-1.63591	-1.64188	-1.61984	-1.55324	-1.43612	-1.31900	-1.18030
.124631	-1.20969	-1.48159	-1.55232	-1.58998	-1.60147	-1.50915	-1.45082	-1.35667	-1.22577	-1.15734
.142000	-1.19086	-1.35437	-1.45404	-1.42280	-1.51742	-1.47378	-1.40351	-1.30614	-1.16882	-1.08890
.163374	-1.06456	-1.28272	-1.31992	-1.30063	-1.30660	-1.26711	-1.25241	-1.19224	-1.10084	-1.04986
.208444	-.94041	-1.10388	-1.13677	-1.14026	-1.15770	-1.13827	-1.08743	-1.00869	-.93742	-.86242
.260824	-.80785	-.91674	-.95013	-.94490	-.96085	-.95387	-.91799	-.83376	-.75626	-.74306
.310508	-.73708	-.80436	-.84797	-.82330	-.85743	-.84821	-.78916	-.73882	-.67229	-.61846
.357343	-.64114	-.72761	-.75352	-.74430	-.74082	-.72711	-.71017	-.65534	-.59230	-.53549
.402031	-.59758	-.63649	-.64893	-.64577	-.63423	-.62450	-.61093	-.57835	-.52428	-.45075
.444930	-.56545	-.60165	-.60369	-.59464	-.58446	-.56704	-.54984	-.51116	-.45120	-.39532
.486143	-.51591	-.54758	-.55414	-.54124	-.54305	-.52269	-.49283	-.44826	-.41478	-.35301
.526290	-.47360	-.49532	-.49916	-.47043	-.45437	-.43310	-.41568	-.37179	-.34035	-.31840
.565174	-.46248	-.47246	-.46503	-.44763	-.43277	-.41601	-.39394	-.35723	-.30227	-.26153
.603118	-.38715	-.38333	-.36487	-.37675	-.39076	-.37527	-.35850	-.31649	-.27617	-.24179
.640574	-.41346	-.39267	-.38269	-.36423	-.35574	-.33665	-.31373	-.28020	-.24094	-.24031
.677131	-.38227	-.36169	-.34238	-.32688	-.31097	-.29802	-.28126	-.24561	-.21845	-.23691
.713431	-.37985	-.33940	-.31204	-.28913	-.27160	-.25874	-.23770	-.21245	-.18720	-.22390
.749079	-.30503	-.30503	-.27651	-.25547	-.24401	-.23022	-.21619	-.18696	-.16873	-.19678
.784532	-.32490	-.28516	-.24939	-.23022	-.21712	-.19795	-.17855	-.15423	-.13109	-.15026
.819483	-.30036	-.25266	-.21642	-.19561	-.17831	-.16358	-.14979	-.12430	-.10443	-.10654
.853340	-.29754	-.22353	-.17924	-.15261	-.13439	-.12121	-.10804	-.08982	-.06431	-.04665
.886565	-.28324	-.18961	-.14420	-.11953	-.10720	-.09515	-.08281	-.06123	-.04525	-.01301
.918630	-.29754	-.15457	-.10664	-.08926	-.07692	-.05786	-.04469	-.02899	-.00208	-.02848
.948938	-.28660	-.10608	-.06067	-.04329	-.02591	-.01638	-.00993	.00885	.02791	.05763
.977875	-.31644	-.04978	-.01056	.01353	.02893	.03677	.04182	.04826	.06871	.09728
.998093	-.32624	.01549	.02949	.05218	.06142	.07095	.07207	.08383	.08999	.11324
1.000000	-.36125	.02025	.03089	.05274	.05750	.06899	.07739	.08691	.10288	.11800

TABLE VII. - Continued.

(h) $\alpha = 8.74^\circ$

SWEEP= 40.00

SPANWISE LOCATIONS

	STATION 0	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5	STATION 6	STATION 7	STATION 8	STATION 9
	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU
0.00000	-0.80856	-1.14142	-1.33944	-1.32936	-1.36917	-1.22796	-1.19345	-1.00711	-.73477	-.49799
.044023	-1.71318	-2.24991	-2.47341	-2.54455	-2.61303	-2.59551	-2.27061	-2.06675	-1.71425	-1.39465
.071421	-1.94890	-2.33113	-2.53871	-2.70593	-2.62259	-2.50845	-2.35821	-2.18939	-1.83635	-1.60966
.091717	-1.74716	-2.24247	-2.40599	-2.49093	-2.47553	-2.42457	-2.29185	-2.07790	-1.82679	-1.55445
.109558	-1.74266	-2.15017	-2.26844	-2.30923	-2.31153	-2.28036	-2.18868	-2.01861	-1.76100	-1.53547
.124631	-1.64594	-2.02870	-2.17126	-2.26844	-2.23956	-2.14192	-1.99661	-1.87284	-1.62714	-1.46533
.142000	-1.62485	-1.91135	-2.05024	-2.14650	-2.11442	-2.05116	-1.94481	-1.77887	-1.56480	-1.37915
.163374	-1.43187	-1.77429	-1.77841	-1.78483	-1.85863	-1.73762	-1.71332	-1.58222	-1.45387	-1.26960
.208444	-1.14184	-1.37811	-1.42487	-1.44576	-1.43879	-1.43332	-1.36766	-1.26072	-1.09111	-.98392
.260824	-.98616	-1.15527	-1.20054	-1.21098	-1.22391	-1.21994	-1.15279	-1.05355	-.93020	-.80361
.310508	-.90906	-.99834	-1.04808	-1.06077	-1.04783	-1.03764	-.97173	-.90010	-.79465	-.67776
.357343	-.78172	-.88469	-.91826	-.92050	-.91528	-.89438	-.84514	-.77426	-.67951	-.56386
.402031	-.68685	-.75955	-.76294	-.78416	-.77265	-.76000	-.74397	-.67443	-.59766	-.47527
.444930	-.65862	-.71733	-.71801	-.71597	-.71507	-.66043	-.63333	-.58162	-.49198	-.40550
.486143	-.60624	-.63672	-.65252	-.65162	-.63153	-.61120	-.57530	-.52246	-.45021	-.33505
.526290	-.55430	-.57620	-.58095	-.56243	-.55611	-.50350	-.48092	-.39444	-.37615	-.29689
.565174	-.51769	-.53336	-.52341	-.51981	-.50562	-.47893	-.45161	-.39867	-.33322	-.26630
.603118	-.44420	-.44335	-.42429	-.43975	-.45077	-.43298	-.40333	-.34974	-.29341	-.25211
.640574	-.47195	-.44293	-.43869	-.42027	-.39951	-.37939	-.35228	-.31098	-.26630	-.26291
.677131	-.44399	-.41010	-.38914	-.36160	-.35355	-.33831	-.30717	-.27074	-.24152	-.26481
.713431	-.42269	-.37439	-.34382	-.32912	-.31302	-.29015	-.26658	-.23275	-.21058	-.25048
.749079	-.31605	-.34172	-.30975	-.28992	-.27942	-.26191	-.23741	-.20171	-.18164	-.21781
.784532	-.33402	-.31558	-.28222	-.25841	-.23858	-.21851	-.19821	-.17278	-.15458	-.18211
.819483	-.32422	-.28315	-.24115	-.21665	-.19844	-.18328	-.16064	-.13871	-.12401	-.13148
.853340	-.29755	-.24328	-.19432	-.17305	-.15571	-.13780	-.12074	-.09835	-.08381	-.07122
.886565	-.29280	-.20831	-.15627	-.13584	-.12102	-.10899	-.09360	-.07094	-.05079	-.02561
.918630	-.29280	-.16802	-.11794	-.09276	-.07597	-.06002	-.04855	-.03552	-.01694	.00712
.948938	-.29448	-.11822	-.06982	-.04660	-.02869	-.01722	-.00827	.00236	.01719	.04181
.977875	-.30831	-.05894	-.02120	-.00443	.00983	.02241	.02940	.03946	.04869	.07245
.998093	-.33654	.00927	.01989	.03387	.04170	.04869	.05428	.06602	.07692	.09482
1.000000	-.35779	.01654	.01878	.03695	.04617	.05456	.06155	.06826	.07888	.09006

(h) Concluded.

TEST=116
RUN= 23
POINT=408

TABLE VII. - Continued.

(i) $\alpha = 10.80^\circ$

SWEEP = 40.00

SPANWISE LOCATIONS

	STATION 0	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5	STATION 6	STATION 7	STATION 8	STATION 9
	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU
0.00000	-1.46392	-2.00506	-2.25248	-2.29930	-2.32644	-2.26099	-2.15298	-1.74540	-1.30536	-.89991
.044023	-2.53182	-3.24536	-3.39062	-3.65985	-3.77904	-3.63006	-3.32038	-2.92770	-2.45467	-1.90130
.071421	-2.48606	-3.03252	-3.37252	-3.65560	-3.63751	-3.50342	-3.24589	-3.01975	-2.51054	-2.08966
.091717	-2.43073	-2.95058	-3.13734	-3.33262	-3.26132	-3.17725	-3.02933	-2.76541	-2.37220	-1.98218
.109558	-2.24000	-2.84232	-3.00129	-3.11063	-3.07756	-3.11247	-2.93972	-2.60801	-2.21428	-1.89543
.124631	-2.16374	-2.69760	-2.80649	-3.06929	-3.02242	-2.81935	-2.71368	-2.39667	-2.08563	-1.76908
.142000	-2.00248	-2.35670	-2.37462	-2.45502	-2.48350	-2.46099	-2.29789	-2.21887	-2.02269	-1.66571
.163374	-1.73922	-2.08380	-2.18212	-2.28687	-2.22300	-2.17293	-2.07966	-1.87246	-1.66112	-1.54120
.208444	-1.40941	-1.70554	-1.76786	-1.80375	-1.78880	-1.81672	-1.70804	-1.54701	-1.33513	-1.12375
.260824	-1.19754	-1.39795	-1.43334	-1.47472	-1.48021	-1.45029	-1.38199	-1.24889	-1.08636	-.89592
.310508	-1.02430	-1.14669	-1.21199	-1.25537	-1.25537	-1.23891	-1.15018	-1.04847	-.90639	-.72941
.357343	-.92060	-1.02280	-1.05894	-1.08088	-1.06692	-1.03551	-.98541	-.89393	-.75858	-.59182
.402031	-.78322	-.87148	-.88189	-.91583	-.91357	-.90226	-.84228	-.76307	-.64313	-.48765
.444930	-.74248	-.80992	-.82395	-.82780	-.81150	-.75606	-.72958	-.65037	-.53812	-.41342
.486143	-.66599	-.70627	-.72121	-.73207	-.71940	-.69246	-.65150	-.57886	-.47883	-.36907
.526290	-.62186	-.64766	-.65150	-.64087	-.58904	-.54717	-.50508	-.45823	-.39622	-.31656
.565174	-.58225	-.60178	-.60093	-.58650	-.56951	-.54723	-.50413	-.44215	-.36276	-.28571
.603118	-.50498	-.50244	-.48270	-.46692	-.50498	-.47909	-.43918	-.38271	-.31882	-.28040
.640574	-.50965	-.47972	-.47484	-.46444	-.44512	-.42220	-.38823	-.33580	-.28762	-.29590
.677131	-.48800	-.45085	-.42793	-.38271	-.39460	-.37274	-.34047	-.29483	-.26172	-.29547
.713431	-.47361	-.42028	-.39175	-.36813	-.34802	-.33024	-.29399	-.25938	-.24090	-.29095
.749079	-.33352	-.38099	-.34568	-.32556	-.30966	-.28440	-.25213	-.22219	-.20652	-.25564
.784532	-.34123	-.33890	-.30171	-.28043	-.26125	-.24020	-.21611	-.18524	-.17401	-.20933
.819483	-.33562	-.30569	-.26102	-.23412	-.21962	-.19904	-.17752	-.15226	-.14127	-.15694
.853340	-.31394	-.26767	-.21748	-.18831	-.16672	-.15326	-.12690	-.10896	-.10279	-.10054
.886565	-.30496	-.22561	-.16868	-.14653	-.13027	-.11008	-.08849	-.07587	-.06381	-.05624
.918630	-.29992	-.17457	-.11989	-.09690	-.08007	-.06381	-.05063	-.03661	-.02708	-.01698
.948938	-.29459	-.12382	-.07194	-.04727	-.03549	-.02203	-.01306	-.00212	-.00629	-.01863
.977875	-.31966	-.06777	-.03246	-.01313	.00172	.01181	.02049	.02946	.03114	.04207
.998093	-.32947	.00845	.00873	.02049	.02666	.04039	.04739	.05496	.06000	.06476
1.000000	-.34936	.02021	.01797	.02386	.03226	.03927	.04543	.05720	.06168	.06196

(i) Concluded.

TEST=116
RUN= 23
POINT=409

TABLE VII. - Continued.

(j) $\alpha = 12.87^\circ$

SWEEP= 40.00

SPANWISE LOCATIONS

	STATION 0	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5	STATION 6	STATION 7	STATION 8	STATION 9
SQRT(X/C)	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU
0.00000	-2.51990	-2.98663	-3.44805	-3.46608	-3.66762	-3.42365	-3.16112	-2.65462	-2.10516	-1.42204
.044023	-3.55412	-4.50454	-5.00627	-4.97338	-5.18129	-5.00627	-4.47696	-3.99751	-3.31121	-2.53316
.071421	-3.41516	-4.23617	-4.70608	-4.90231	-4.83124	-4.63077	-4.31679	-3.86598	-3.23696	-2.62916
.091717	-3.20089	-4.03463	-4.37831	-4.50029	-4.39528	-4.24678	-3.95508	-3.49260	-2.99776	-2.42497
.109558	-3.02456	-3.64004	-3.95786	-4.09799	-4.01281	-3.91389	-3.78933	-3.36252	-2.84046	-2.28222
.124631	-2.86885	-3.14454	-3.39641	-3.35336	-3.46602	-3.30848	-3.24437	-2.92289	-2.66827	-2.13018
.142000	-2.35000	-2.91556	-3.17293	-3.25078	-3.24895	-3.15919	-2.93480	-2.62751	-2.21261	-1.96349
.163374	-2.23001	-2.70170	-2.84504	-2.85878	-2.81848	-2.75528	-2.62202	-2.33076	-2.08439	-1.65208
.208444	-1.74801	-1.98206	-2.10331	-2.16890	-2.19176	-2.16741	-2.04218	-1.84689	-1.59496	-1.127742
.260824	-1.42252	-1.64365	-1.74006	-1.72167	-1.75397	-1.70577	-1.61284	-1.45085	-1.23618	-.97952
.310508	-1.22425	-1.39321	-1.47470	-1.47868	-1.47172	-1.43942	-1.34153	-1.20139	-1.01306	-.77826
.357343	-1.07567	-1.21282	-1.25953	-1.25804	-1.24214	-1.19841	-1.12934	-.99641	-.83442	-.62347
.402031	-.90764	-.93200	-.98073	-.92839	-.91396	-.84019	-.76539	-.88147	-.73282	-.52574
.444930	-.85215	-.92478	-.93516	-.92839	-.91396	-.84019	-.76539	-.88147	-.73282	-.52574
.486143	-.77320	-.81921	-.83410	-.83027	-.81583	-.78944	-.74973	-.70236	-.57333	-.38926
.526290	-.72853	-.73991	-.74297	-.70845	-.65341	-.60514	-.55438	-.47521	-.41452	-.34031
.565174	-.64593	-.63662	-.64064	-.64022	-.63070	-.60340	-.56214	-.49042	-.39774	-.31205
.603118	-.56574	-.56987	-.52998	-.53697	-.54903	-.51665	-.47455	-.40769	-.33850	-.31184
.640574	-.58309	-.54924	-.53654	-.50988	-.49020	-.45995	-.42165	-.36283	-.30930	-.32919
.677131	-.55453	-.50840	-.47455	-.43117	-.42800	-.39838	-.36114	-.31374	-.28010	-.33279
.713431	-.51130	-.43274	-.40197	-.38635	-.37120	-.35045	-.32015	-.28541	-.26793	-.32481
.749079	-.35395	-.40803	-.36304	-.33833	-.31851	-.29240	-.26117	-.22853	-.21897	-.27912
.784532	-.36560	-.37866	-.32900	-.29613	-.27632	-.24881	-.22410	-.19449	-.18820	-.22876
.819483	-.35721	-.33879	-.27982	-.24718	-.22433	-.19869	-.17515	-.15533	-.15230	-.18307
.853340	-.30553	-.26975	-.21301	-.19037	-.16997	-.15488	-.13755	-.12609	-.12693	-.13950
.886565	-.31783	-.23984	-.17081	-.14398	-.12245	-.10429	-.08640	-.07494	-.07466	-.09366
.918630	-.31978	-.19736	-.13084	-.10037	-.08500	-.06432	-.05174	-.04196	-.04000	-.05118
.948938	-.31894	-.14118	-.08109	-.05453	-.03665	-.02127	-.01065	-.00422	-.00366	-.01177
.977875	-.31012	-.05513	-.02162	-.01184	-.00514	-.00156	.00883	.00910	.00855	.01357
.998093	-.33665	.01274	.00799	.01916	.02195	.03033	.03647	.03983	.04206	.03899
1.000000	-.35704	.01720	-.00067	.01078	.01329	.02139	.02921	.03731	.04178	.03983

(j) Concluded.

TEST=116
RUN= 23
POINT=410

TABLE VII. - Continued.

(k) $\alpha = 14.94^\circ$

SWEEP = 40.00

SPANWISE LOCATIONS

SQRT(X/C)	STATION 0		STATION 1		STATION 2		STATION 3		STATION 4		STATION 5		STATION 6		STATION 7		STATION 8		STATION 9	
	CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU		CPU	
0.00000	-3.41727		-4.38313		-4.99063		-4.92066		-5.15073		-4.78071		-4.45416		-3.75760		-2.97940		-1.96105	
.044023	-4.66833		-5.83775		-6.47070		-6.56082		-6.75908		-6.57566		-5.80806		-5.21116		-4.28665		-3.25876	
.071421	-4.42554		-5.32566		-6.01481		-6.09963		-6.07418		-5.86638		-5.41048		-4.83160		-4.07142		-3.16016	
.091717	-3.93253		-5.02986		-5.60026		-5.79746		-5.11371		-5.24721		-5.05213		-4.47749		-3.68550		-2.86701	
.109558	-3.73666		-4.27312		-4.51572		-4.65853		-4.64022		-4.58437		-4.32072		-3.89778		-3.49681		-2.68938	
.124631	-3.13430		-3.84926		-4.21178		-4.29601		-4.32439		-4.22735		-3.79800		-3.44921		-2.94388		-2.50446	
.142000	-2.97958		-3.54350		-3.85567		-3.88588		-3.88680		-3.78518		-3.54991		-3.18464		-2.75164		-2.10120	
.163374	-2.60379		-3.18464		-3.40893		-3.43914		-3.41809		-3.31372		-3.15993		-2.81572		-2.43580		-1.89385	
.208444	-2.00967		-2.40702		-2.56297		-2.59029		-2.60768		-2.54658		-2.39212		-2.14974		-1.81448		-1.40720	
.260824	-1.64710		-1.89991		-2.00421		-2.01216		-2.02408		-1.98732		-1.85520		-1.66150		-1.39379		-1.06499	
.310508	-1.39478		-1.57503		-1.66696		-1.66647		-1.65306		-1.61978		-1.50951		-1.34511		-1.11763		-.81888	
.357343	-1.18171		-1.35058		-1.41713		-1.42458		-1.40422		-1.34859		-1.26515		-1.11614		-.90307		-.64330	
.402031	-1.01833		-1.15000		-1.15316		-1.18112		-1.18067		-1.15181		-1.06328		-.93896		-.74664		-.50516	
.444930	-.92994		-1.01111		-1.04403		-1.01652		-1.02058		-.96557		-.90244		-.78812		-.61925		-.41971	
.486143	-.84472		-.90153		-.91687		-.90875		-.88530		-.84427		-.80458		-.68982		-.53086		-.35319	
.526290	-.76558		-.80413		-.81563		-.80368		-.76941		-.68734		-.61677		-.54417		-.45646		-.34102	
.565174	-.70478		-.71789		-.72556		-.71916		-.69653		-.66100		-.60601		-.51867		-.41483		-.33130	
.603118	-.62166		-.60496		-.58212		-.57852		-.59248		-.56203		-.50937		-.43344		-.36175		-.34801	
.640574	-.63012		-.58508		-.56562		-.54553		-.51613		-.48462		-.44254		-.38142		-.33066		-.36725	
.677131	-.58233		-.53348		-.50514		-.44550		-.44931		-.41928		-.37486		-.32559		-.29958		-.36894	
.713431	-.55671		-.48028		-.45092		-.43019		-.40269		-.37240		-.33372		-.29038		-.28037		-.35539	
.749079	-.36401		-.43205		-.38662		-.35213		-.33023		-.30460		-.26848		-.23493		-.23866		-.31741	
.784532	-.36518		-.39221		-.33186		-.30250		-.27571		-.24844		-.22165		-.19718		-.20277		-.26429	
.819483	-.35912		-.34398		-.28596		-.25077		-.22141		-.19602		-.16922		-.15314		-.16270		-.21745	
.853340	-.33451		-.29624		-.23785		-.21075		-.18170		-.15991		-.13840		-.12163		-.13253		-.17164	
.886565	-.33535		-.25042		-.17863		-.14315		-.12163		-.10655		-.08727		-.07610		-.08727		-.12080	
.918630	-.33423		-.19902		-.12583		-.09817		-.07889		-.06157		-.05207		-.04453		-.05012		-.06492	
.948938	-.32585		-.13449		-.07777		-.05459		-.03950		-.02665		-.01631		-.00961		-.01548		-.02386	
.977875	-.32596		-.06105		-.03760		-.03313		-.02476		-.01638		-.00912		-.00410		-.00466		-.00075	
.998093	-.34383		.01935		.00093		.00707		.00148		.00344		.01153		.01684		.01460		.00818	
1.000000	-.35667		.02745		.00176		-.00075		.00232		.00344		.00930		.01265		.00930		.01237	

(1) $\alpha = 17.01^\circ$

SPANWISE LOCATIONS

	STATION 0	STATION 1	STATION 2	STATION 3	STATION 4	STATION 5	STATION 6	STATION 7	STATION 8	STATION 9
SQRT(X/C)	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU	CPU
0.00000	-4.75037	-5.83335	-6.51952	-6.50144	-6.69080	-6.21846	-5.74399	-4.88441	-3.86207	-2.56207
.040423	-5.90463	-7.38974	-8.10357	-8.08017	-8.31634	-8.10783	-7.30782	-6.43761	-5.28122	-3.93760
.071421	-5.24292	-6.64186	-7.36314	-7.58761	-7.59719	-7.43442	-6.76527	-5.97165	-4.89292	-3.77377
.091717	-4.88973	-6.11952	-6.747591	-6.83442	-6.23867	-5.78335	-5.84825	-5.41633	-4.44611	-3.37483
.109558	-4.15418	-5.07919	-5.50908	-5.68361	-5.59359	-5.44661	-5.07827	-4.49773	-3.86208	-3.13916
.124631	-3.82809	-4.66215	-5.02591	-5.04887	-5.11409	-4.96069	-4.59510	-4.12295	-3.44688	-2.63945
.142000	-3.43586	-4.19460	-4.50783	-4.64654	-4.61622	-4.47936	-4.20746	-3.76195	-3.18049	-2.42910
.163374	-3.03720	-3.63519	-3.90892	-3.94934	-3.92270	-3.81615	-3.62325	-3.24388	-2.78551	-2.13808
.208444	-2.36476	-2.77692	-2.93141	-2.95334	-2.94537	-2.87061	-2.68771	-2.40762	-2.01092	-1.53697
.260824	-1.88433	-2.16143	-2.27356	-2.27356	-2.27555	-2.21675	-2.09066	-1.85792	-1.53497	-1.13627
.310508	-1.54893	-1.76173	-1.86290	-1.90377	-1.87486	-1.82453	-1.69346	-1.50009	-1.21801	-0.87363
.357343	-1.31370	-1.48464	-1.57185	-1.53746	-1.53746	-1.48314	-1.38347	-1.22150	-0.97480	-0.68101
.402031	-1.15050	-1.28353	-1.328308	-1.28579	-1.27991	-1.24145	-1.15865	-1.00933	-0.80798	-0.52732
.444930	-1.04055	-1.11973	-1.15548	-1.14779	-1.11431	-1.04643	-0.98354	-0.84825	-0.65866	-0.44057
.486143	-0.92608	-0.98444	-1.00707	-1.00933	-0.98173	-0.92970	-0.86499	-0.74350	-0.58581	-0.40505
.526290	-0.83965	-0.79992	-0.84900	-0.86228	-0.80843	-0.75165	-0.65120	-0.51794	-0.48152	-0.38265
.565174	-0.78206	-0.78546	-0.77782	-0.75002	-0.72413	-0.68190	-0.61930	-0.53102	-0.42747	-0.37060
.603118	-0.68763	-0.64498	-0.63437	-0.62333	-0.62694	-0.58641	-0.53548	-0.45803	-0.38503	-0.32033
.640574	-0.67999	-0.62906	-0.61166	-0.58726	-0.55458	-0.51829	-0.46163	-0.39755	-0.35553	-0.28620
.677131	-0.62991	-0.57304	-0.53124	-0.45994	-0.46949	-0.43320	-0.38439	-0.34068	-0.27110	-0.43129
.713431	-0.60663	-0.51779	-0.46869	-0.42965	-0.40019	-0.36699	-0.32233	-0.28656	-0.29030	-0.40486
.749079	-0.38663	-0.46752	-0.41118	-0.37190	-0.33870	-0.30503	-0.27136	-0.24378	-0.25523	-0.35904
.784532	-0.39504	-0.42123	-0.35740	-0.31789	-0.28983	-0.26271	-0.22390	-0.20263	-0.22133	-0.31251
.819483	-0.36675	-0.36769	-0.29498	-0.25967	-0.22694	-0.19982	-0.17177	-0.16101	-0.18205	-0.26084
.853340	-0.35388	-0.31492	-0.24007	-0.20195	-0.16971	-0.15065	-0.12990	-0.11981	-0.13719	-0.20055
.886565	-0.35808	-0.26950	-0.18765	-0.15009	-0.12458	-0.10720	-0.09823	-0.08786	-0.10468	-0.14448
.918630	-0.35248	-0.21036	-0.13635	-0.10580	-0.09290	-0.08001	-0.06936	-0.06964	-0.07440	-0.10103
.948938	-0.33986	-0.14196	-0.08141	-0.05226	-0.03269	-0.04525	-0.04273	-0.03908	-0.04945	-0.06231
.977875	-0.35397	-0.06042	-0.03577	-0.03129	-0.03269	-0.03325	-0.02961	-0.03437	-0.03857	-0.04390
.998093	-0.36097	-0.01353	-0.00860	-0.01308	-0.01925	-0.01757	-0.02345	-0.02121	-0.03409	-0.03269
1.000000	-0.36545	-0.02585	-0.00748	-0.01673	-0.02569	-0.02037	-0.02793	-0.03493	-0.03577	-0.03633

(1) Concluded.

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RUN= 23
POINT=413

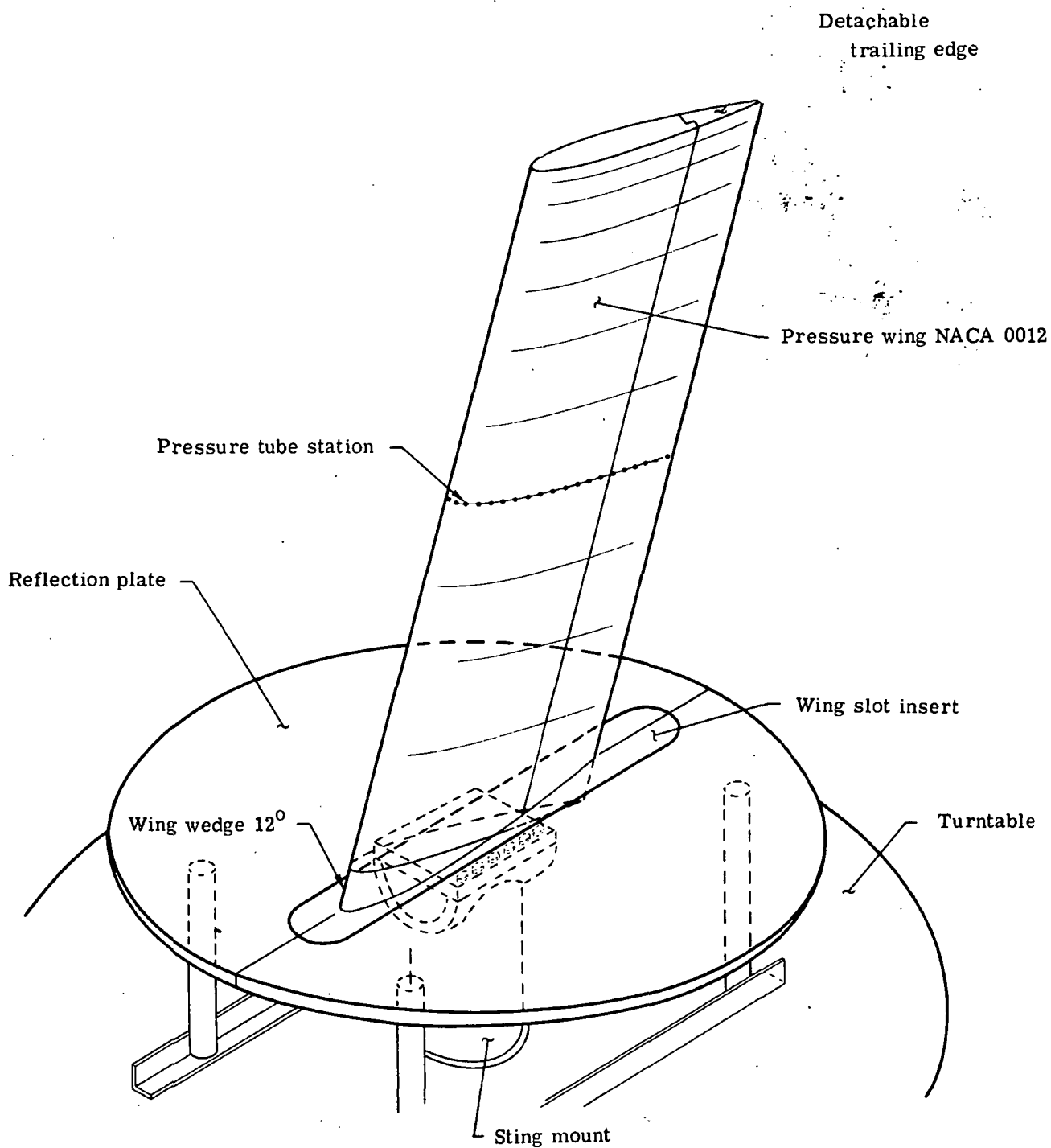


Figure 1.- Schematic drawing of semispan pressure wing model.

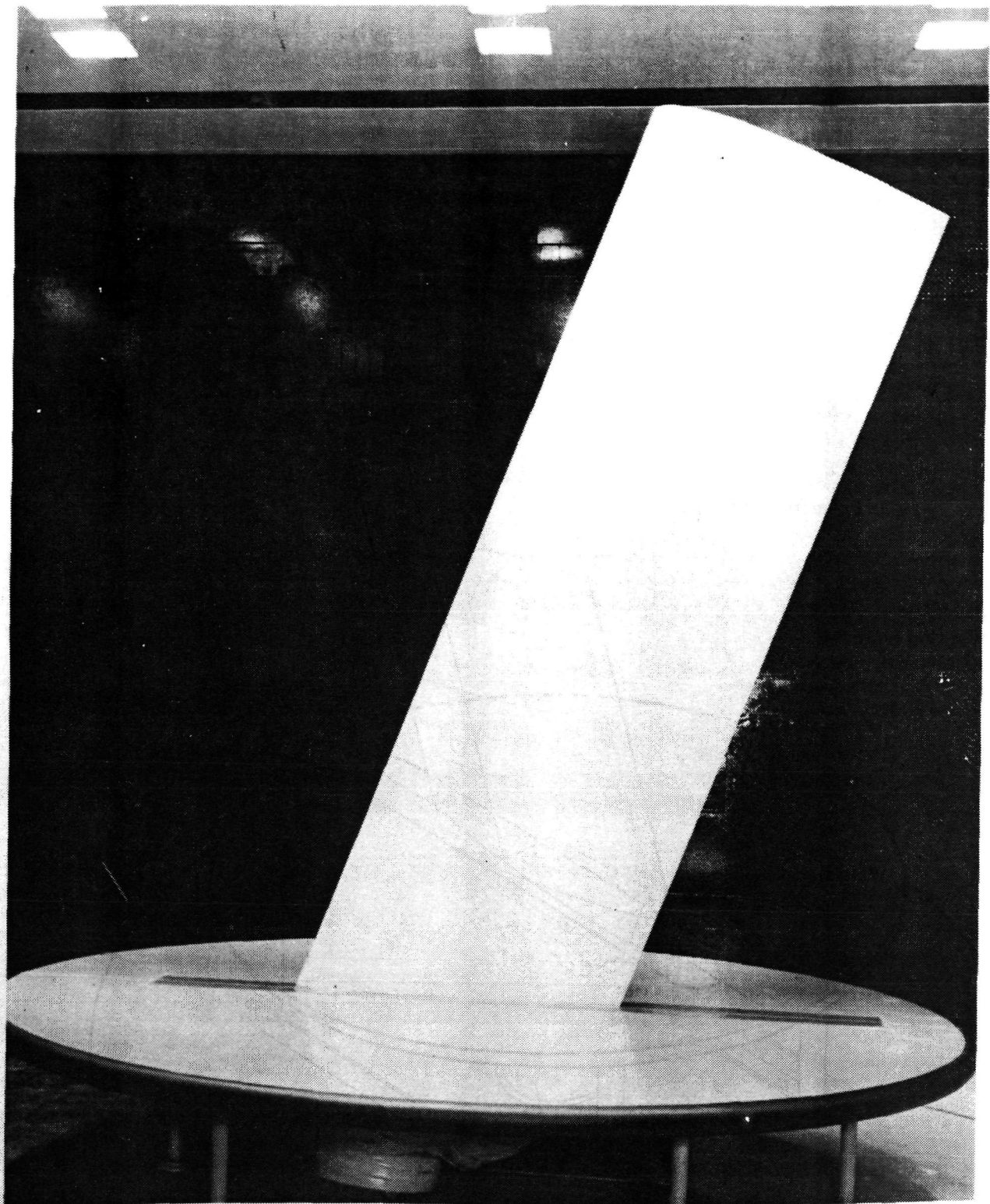
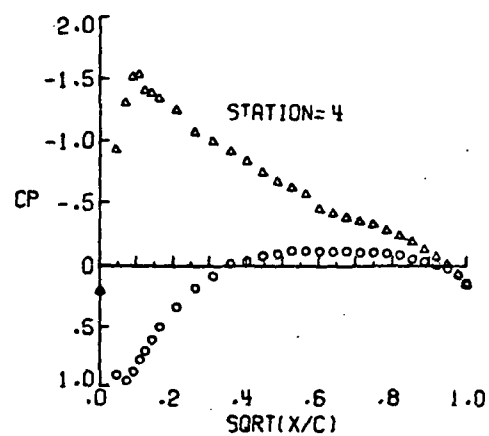
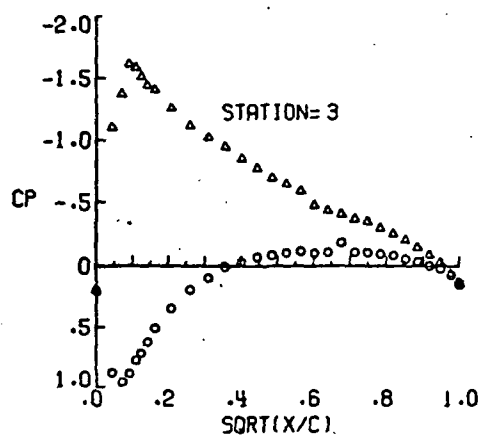
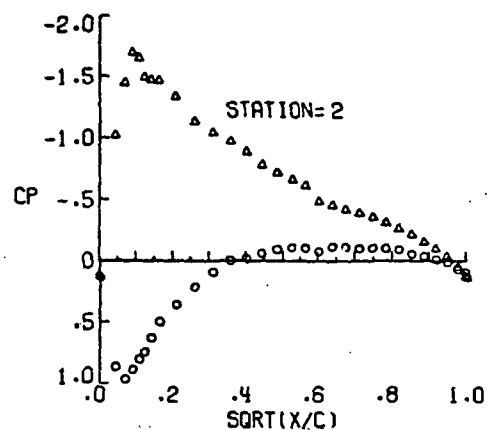
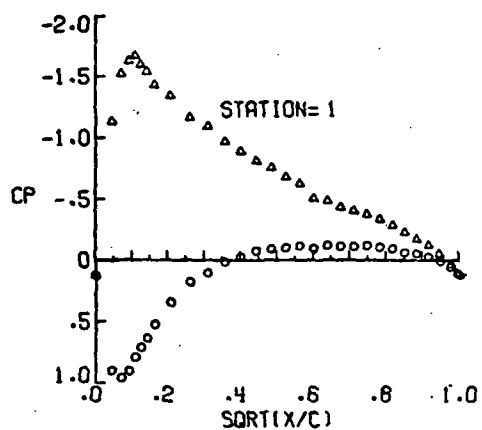
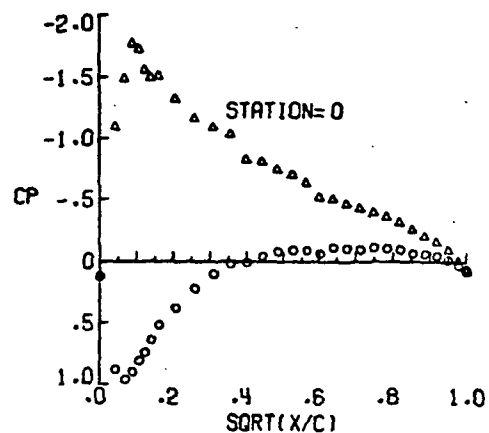
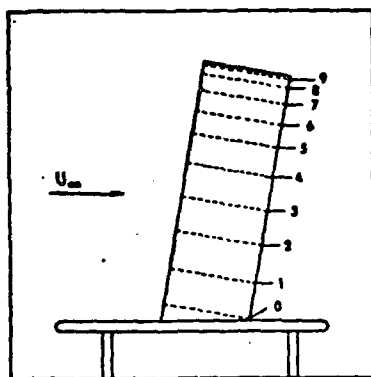


Figure 2. - 1- by 3-meter semispan wing with nonstreamwise tip installed in the Langley V/STOL tunnel at 30° sweep.

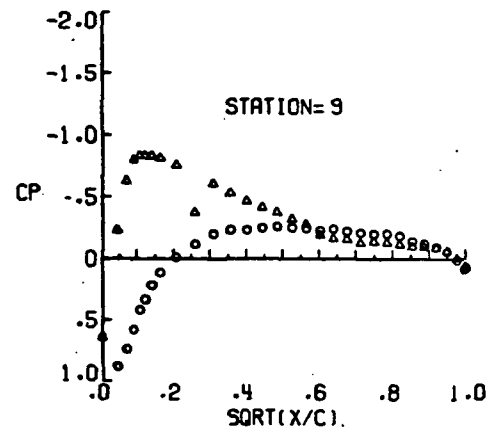
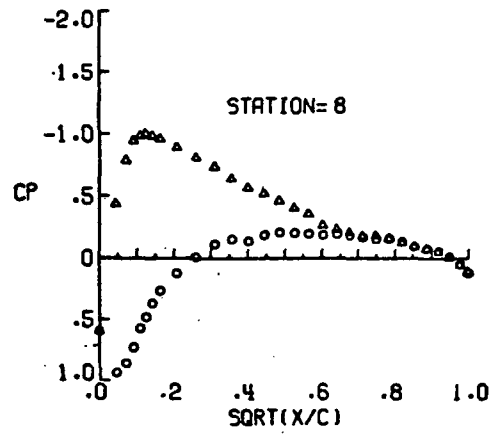
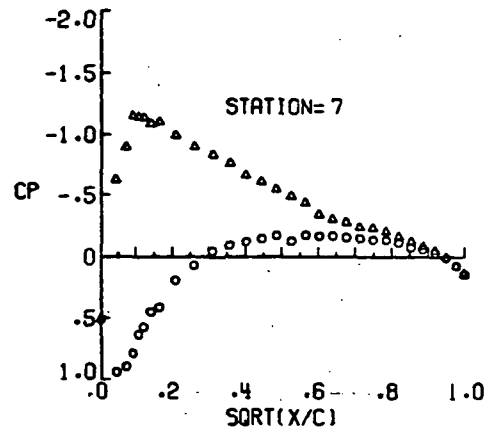
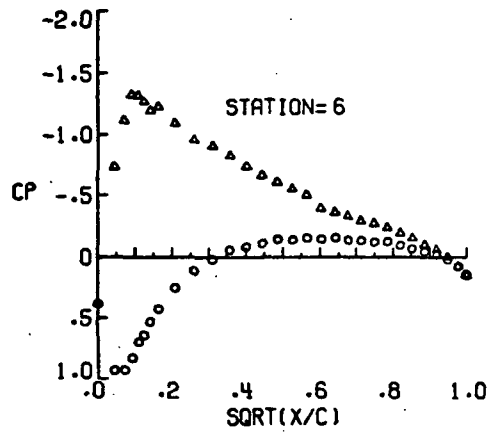
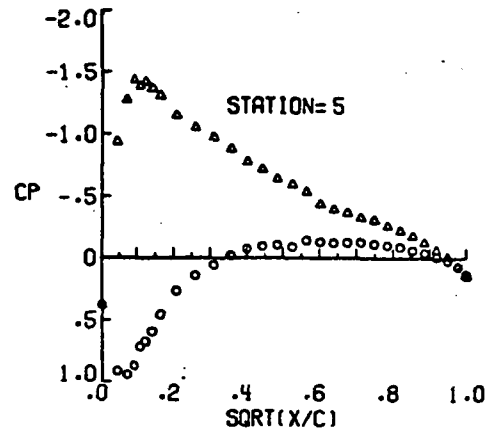
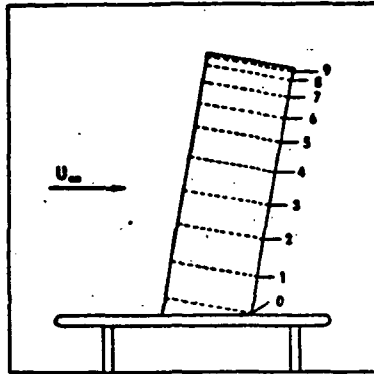
UPPER- O LOWER- Δ



(a) $\alpha = -5.87^\circ$

Figure 3 . - Pressure distributions at 0° sweep.

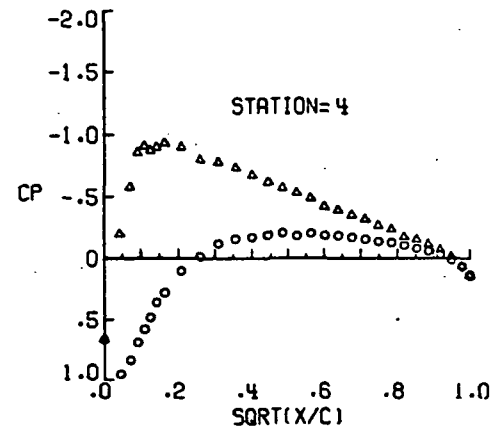
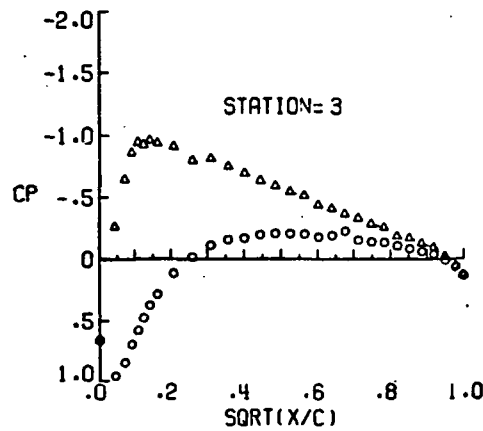
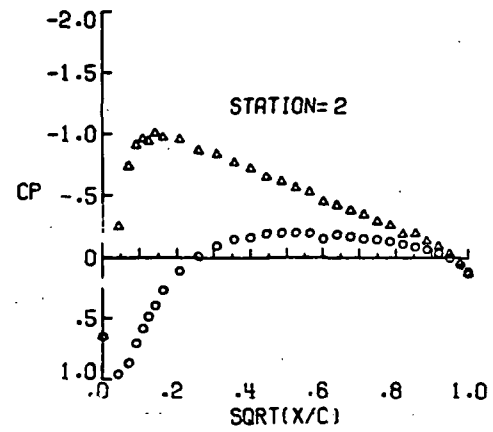
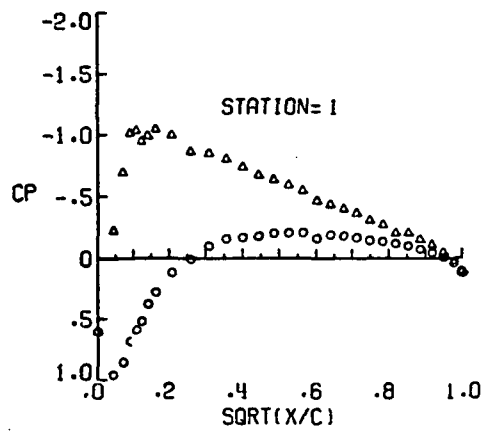
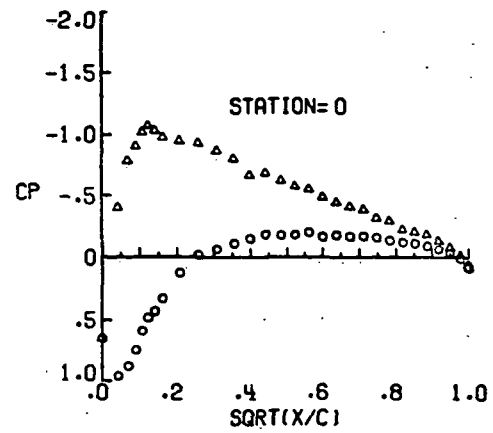
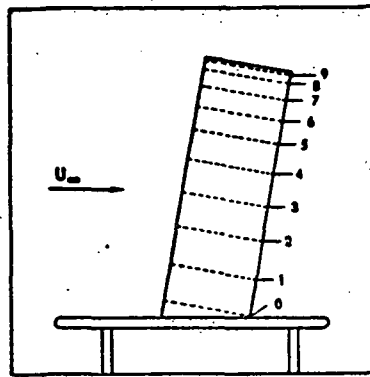
UPPER- O LOWER- Δ



(a) Concluded.

Figure 3. - Continued.

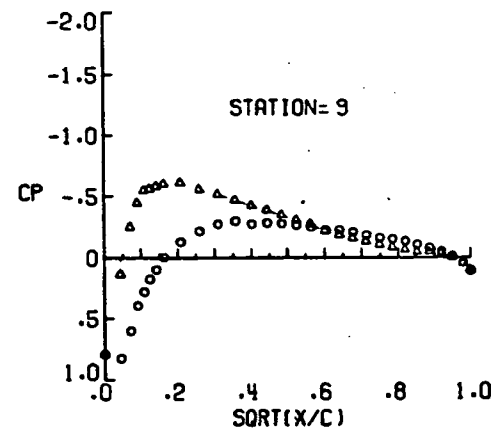
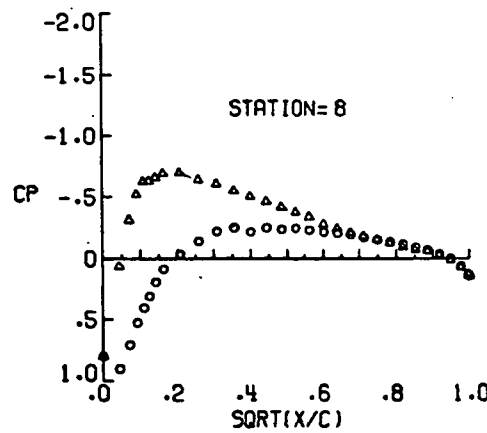
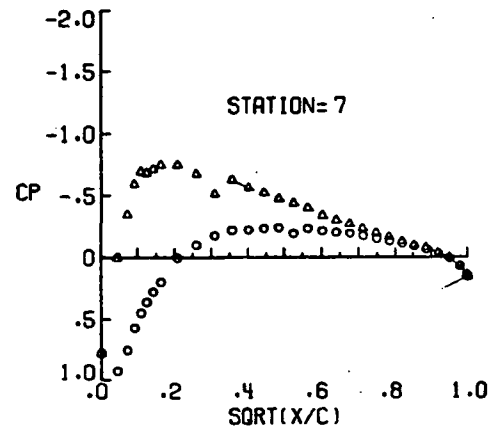
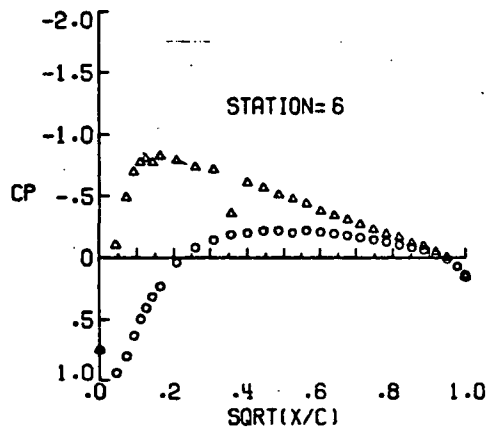
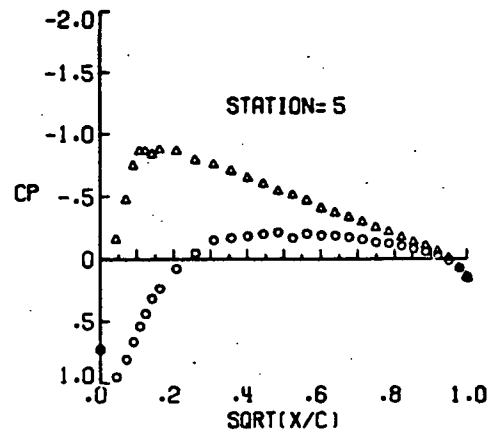
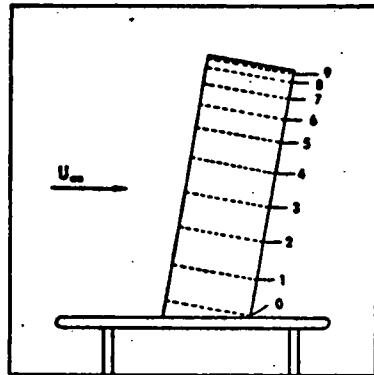
UPPER- O LOWER- Δ



(b) $\alpha = -3.76^\circ$

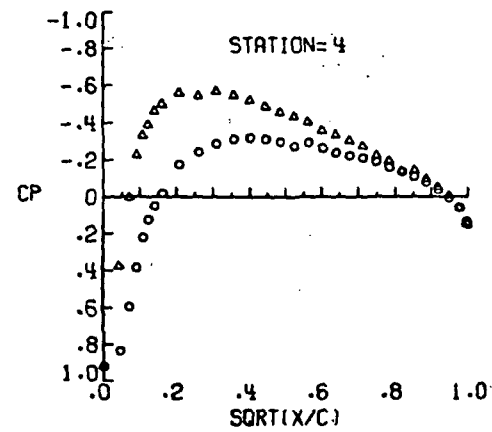
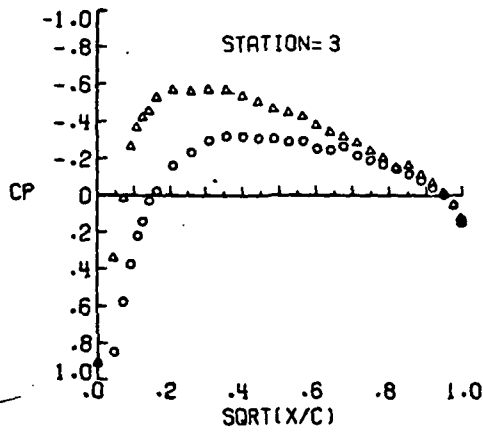
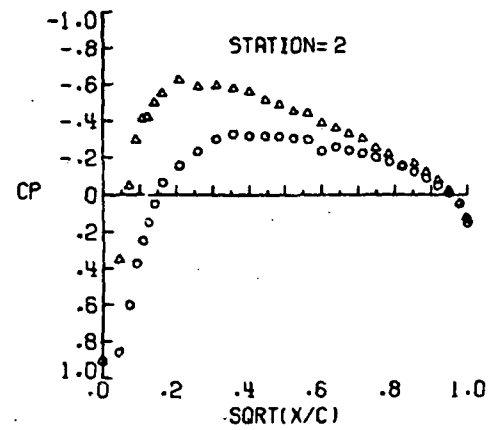
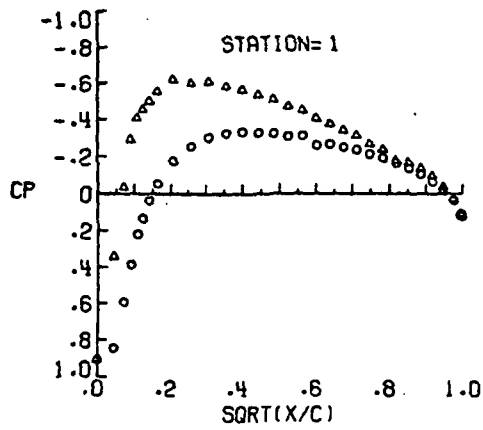
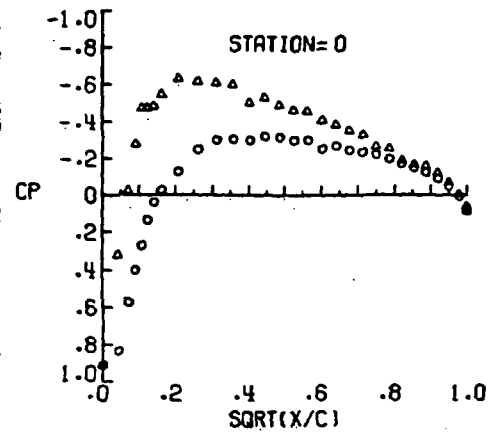
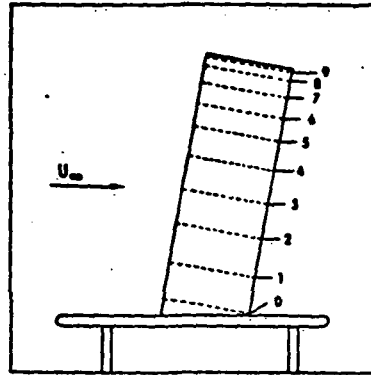
Figure 3. - Continued.

UPPER- O LOWER- Δ



(b) Concluded.
Figure 3. - Continued.

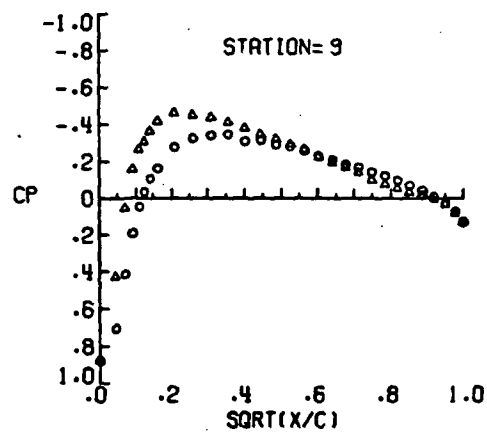
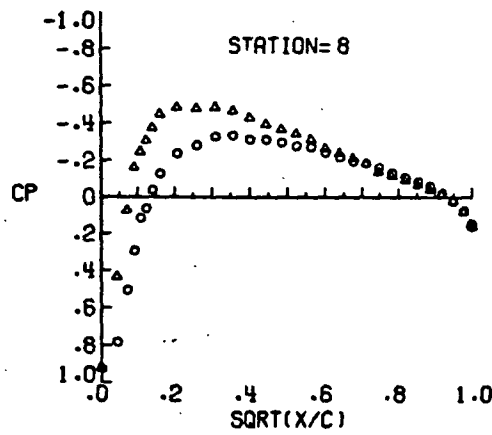
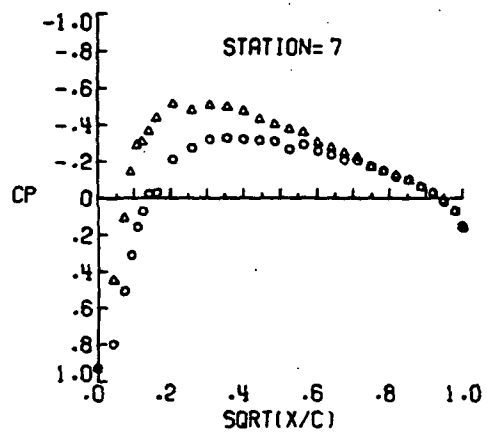
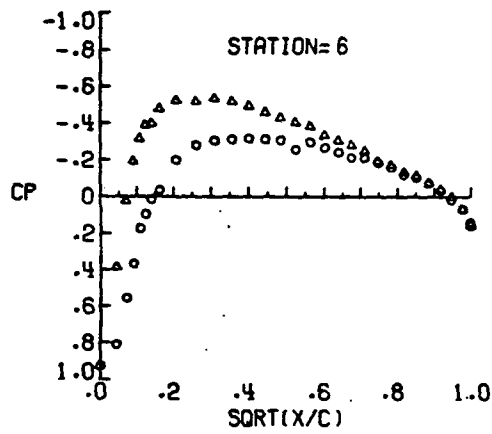
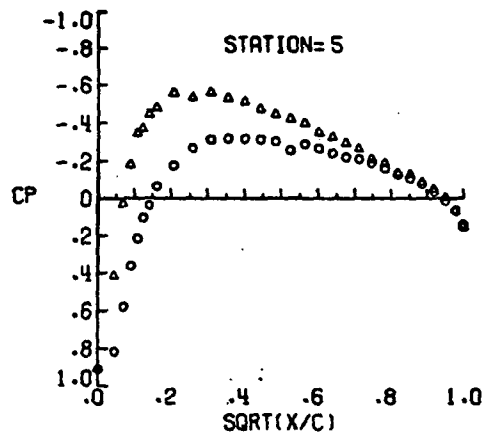
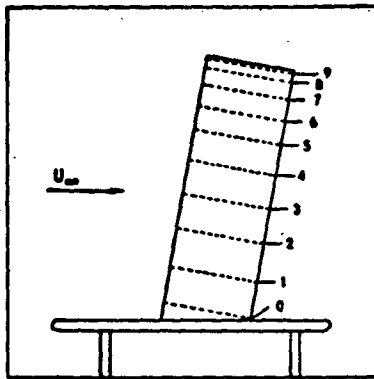
UPPER- O LOWER- Δ



(c) $\alpha = -1.66^\circ$

Figure 3. - Continued.

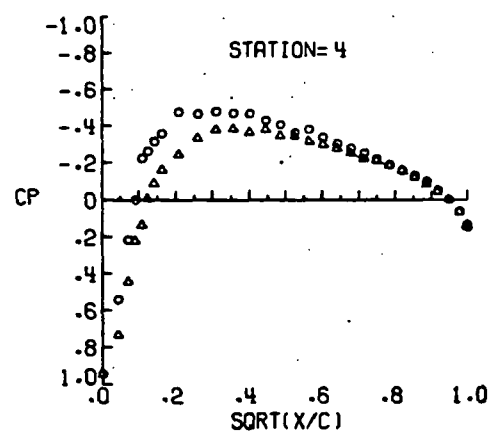
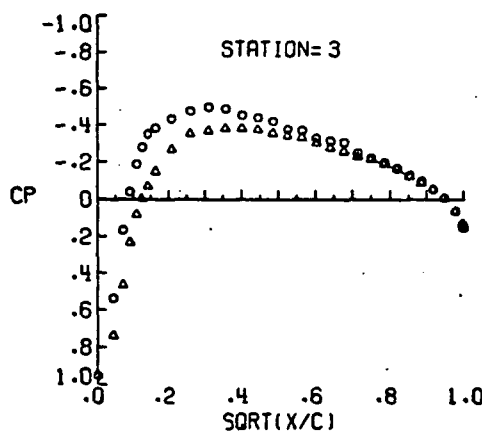
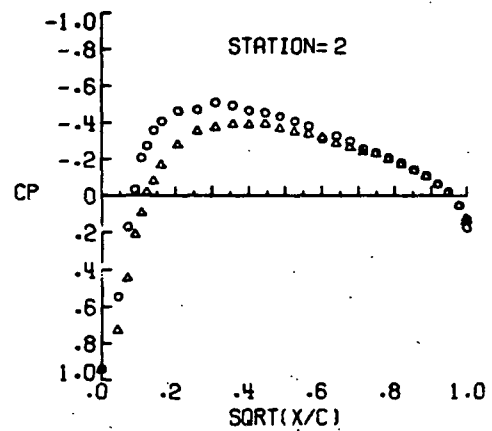
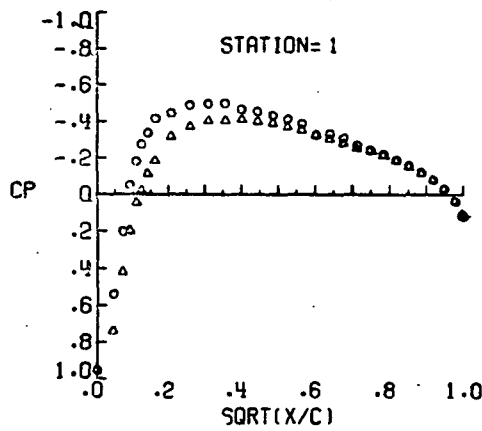
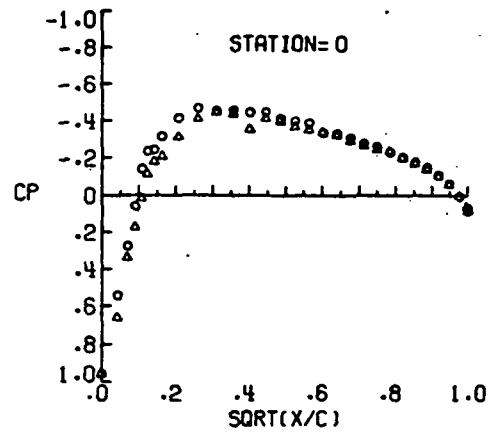
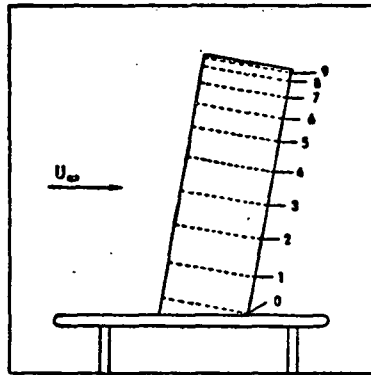
UPPER- O LOWER- Δ



(c) Concluded.

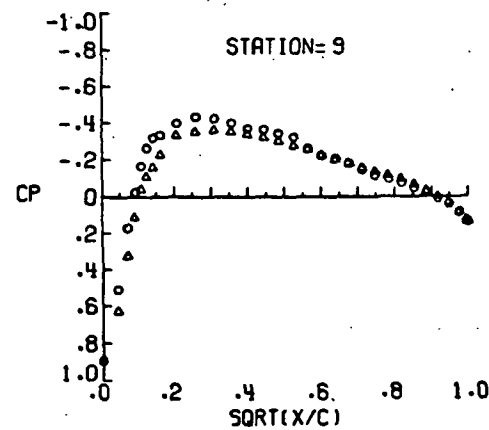
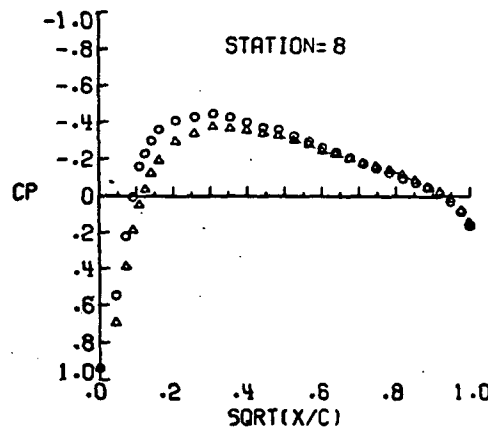
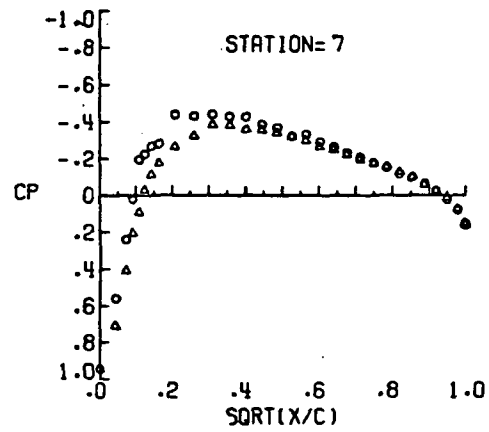
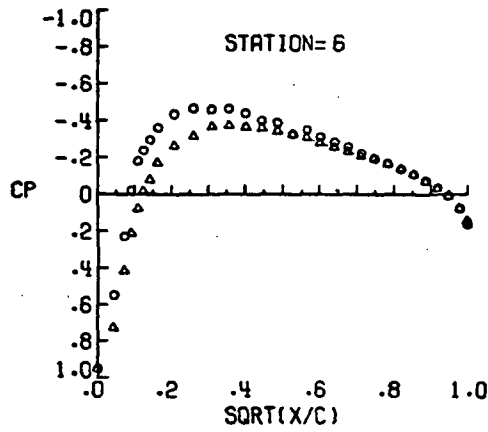
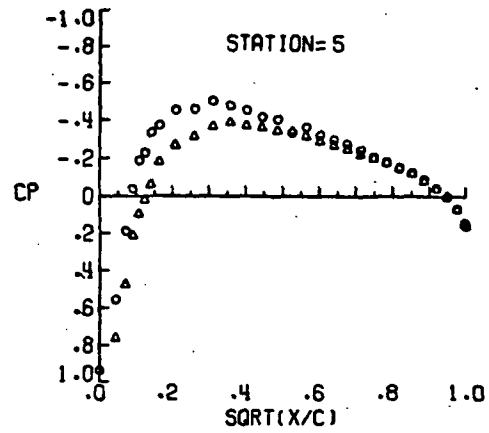
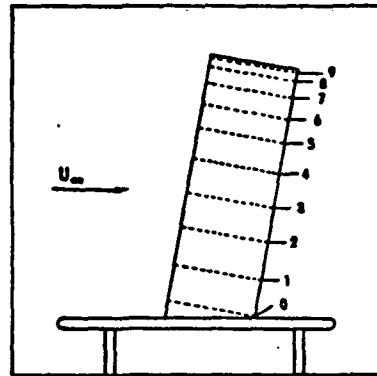
Figure 3. - Continued.

UPPER- O LOWER- Δ



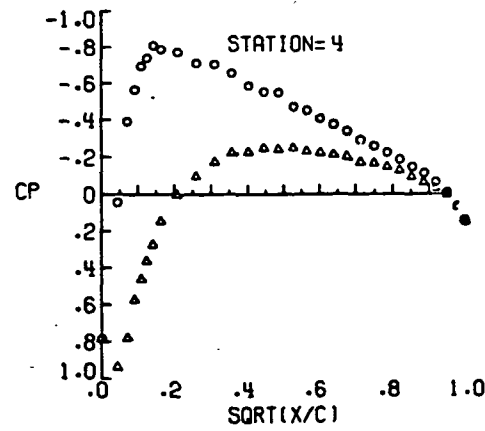
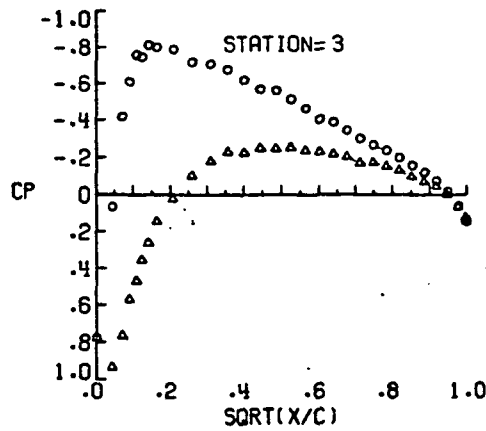
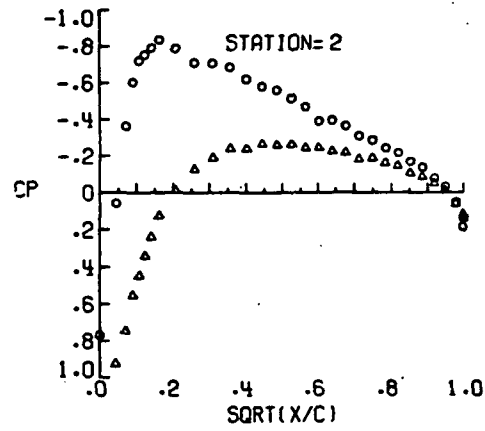
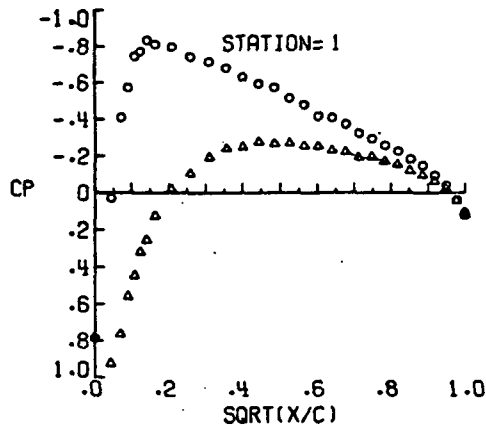
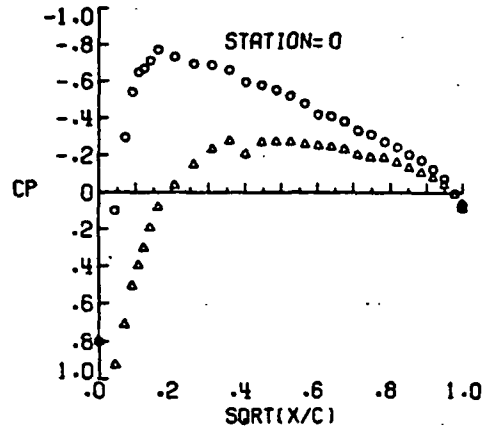
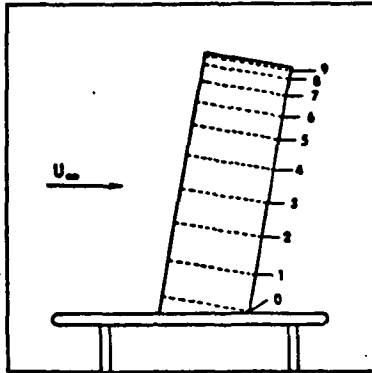
(d) $\alpha = 0.41^\circ$
Figure 3. - Continued.

UPPER- O LOWER- Δ



(d) Concluded.
Figure 3. - Continued.

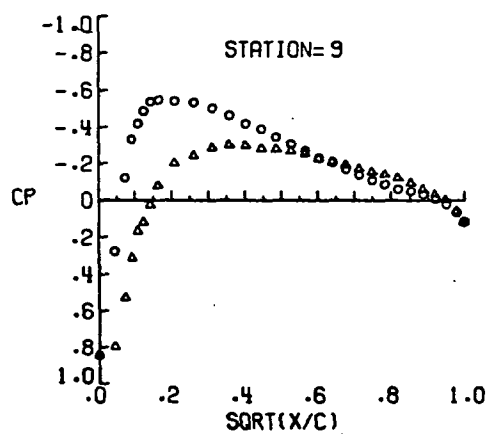
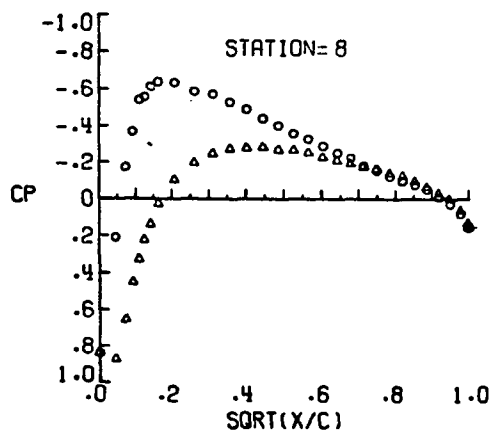
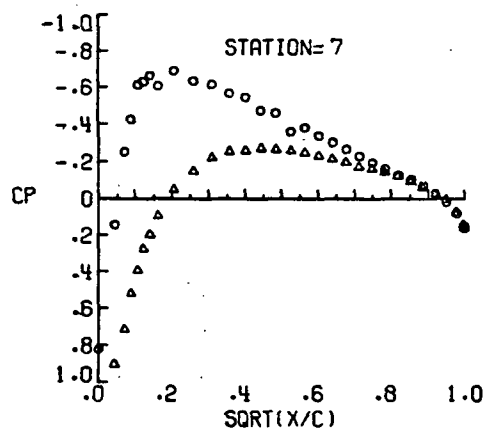
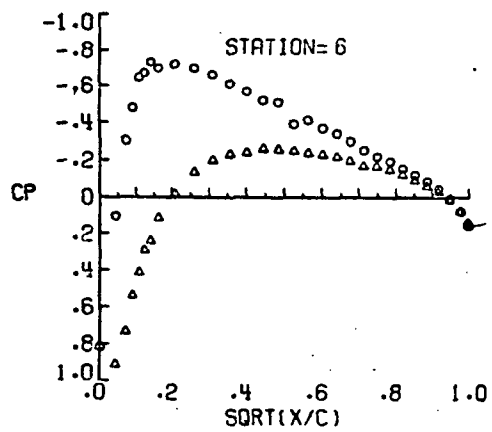
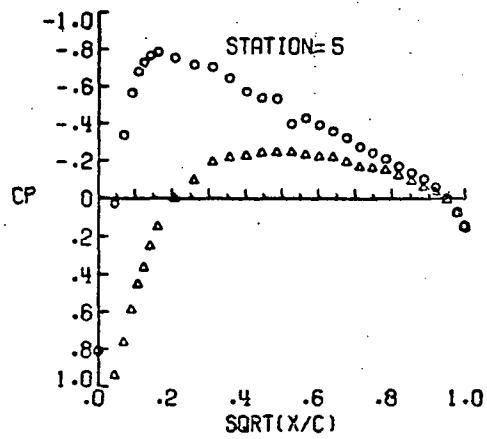
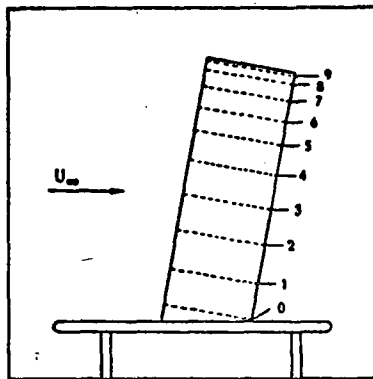
UPPER- O LOWER- Δ



(e) $\alpha = 2.53^\circ$

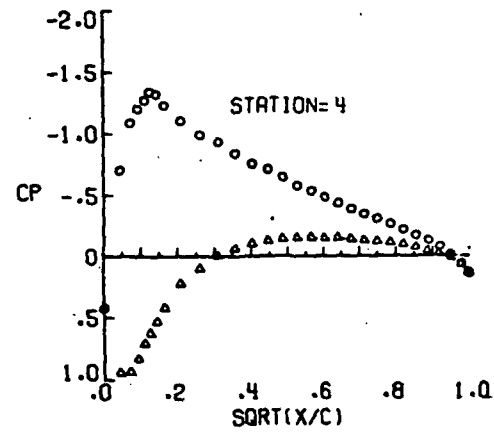
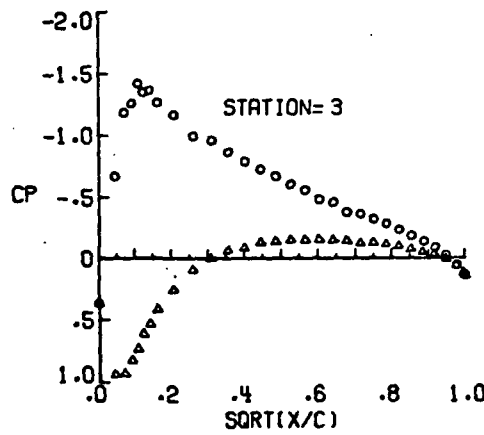
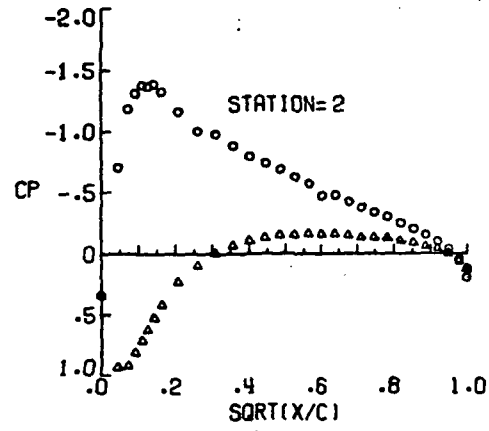
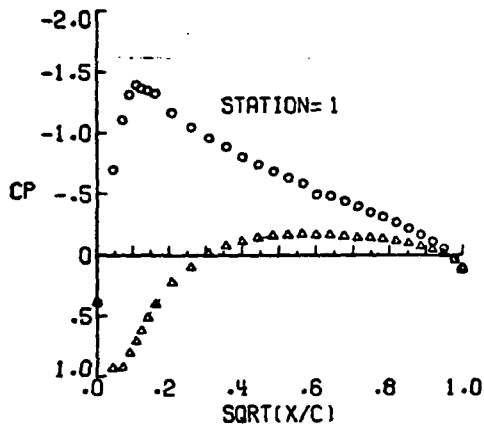
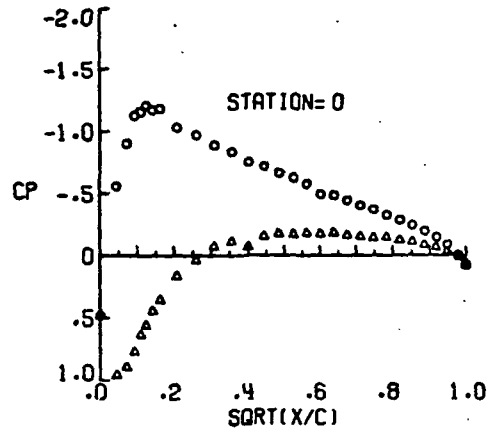
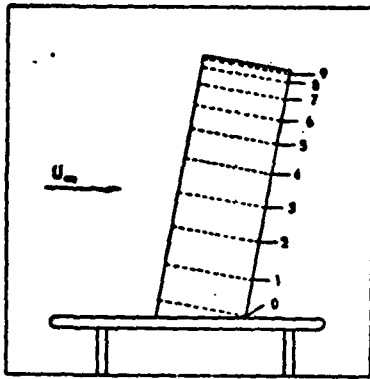
Figure 3. - Continued.

UPPER- O LOWER- Δ



(e) Concluded.
Figure 3. - Continued.

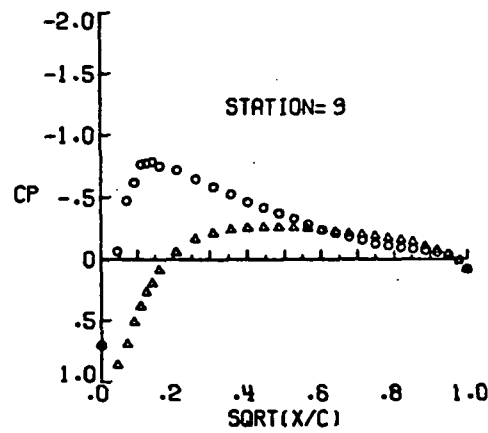
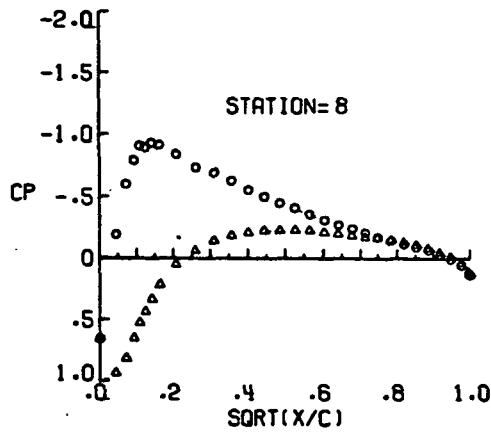
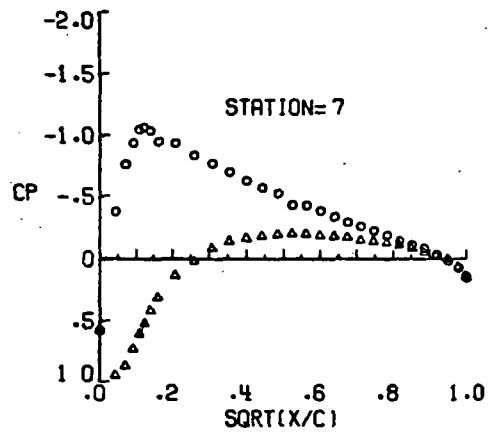
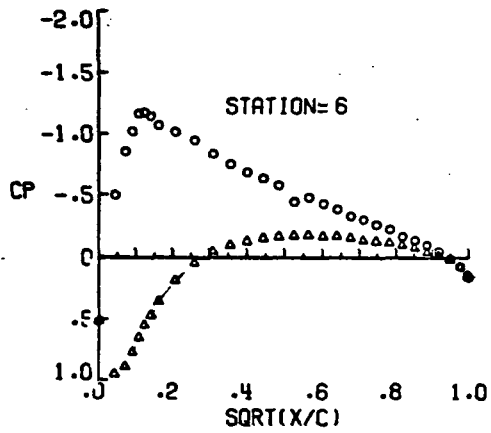
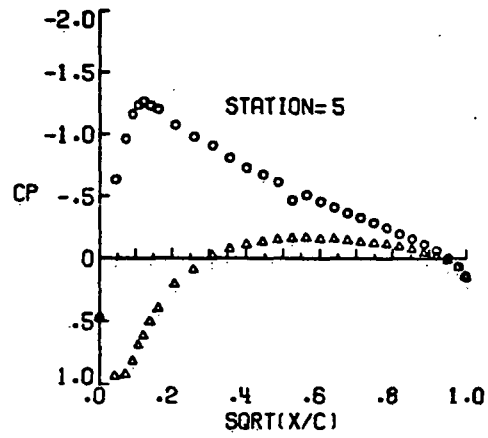
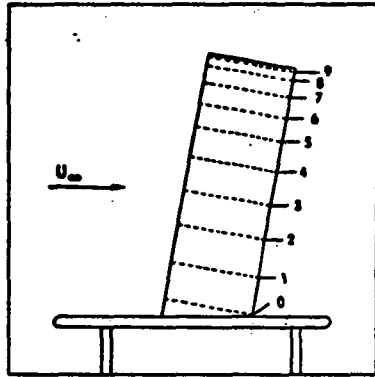
UPPER- O LOWER- Δ



(f) $\alpha = 4.63^\circ$

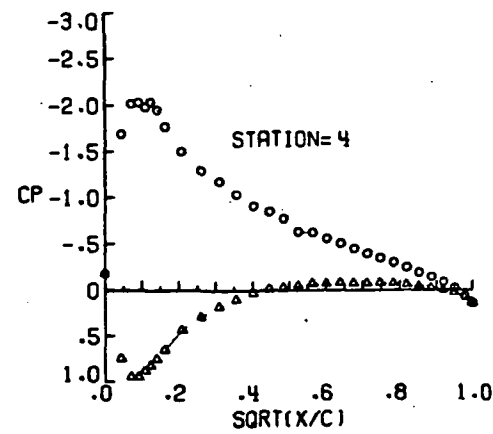
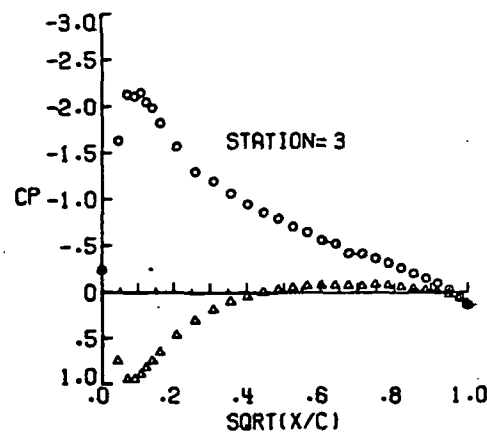
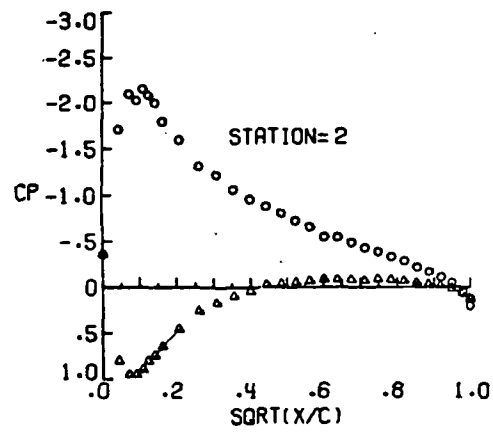
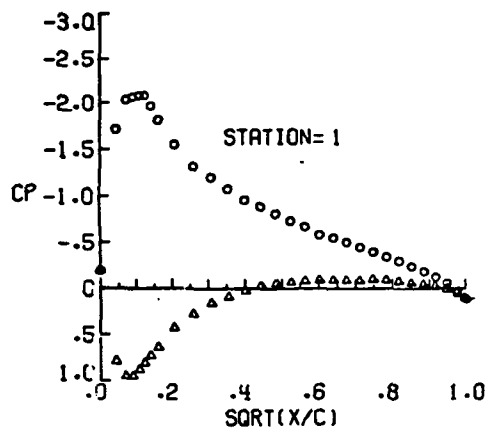
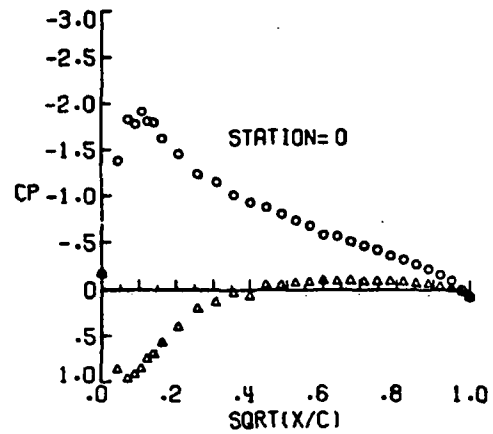
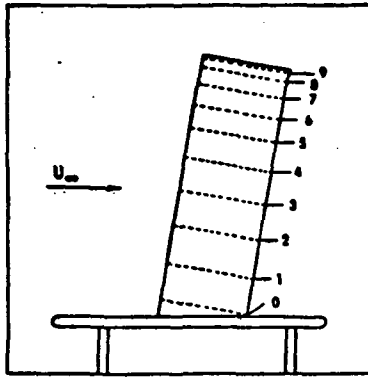
Figure 3. - Continued.

UPPER- O LOWER- Δ



(f) Concluded.
Figure 3. - Continued.

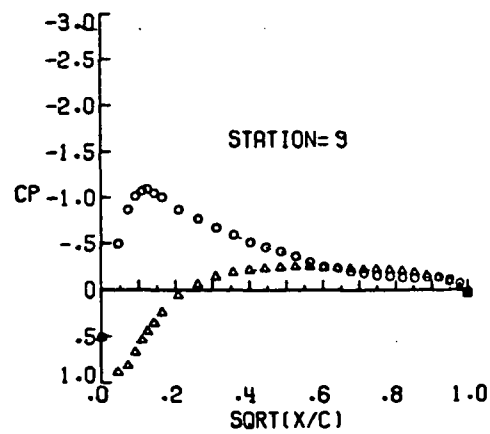
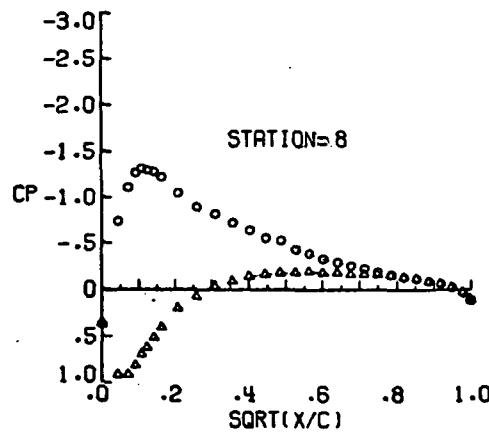
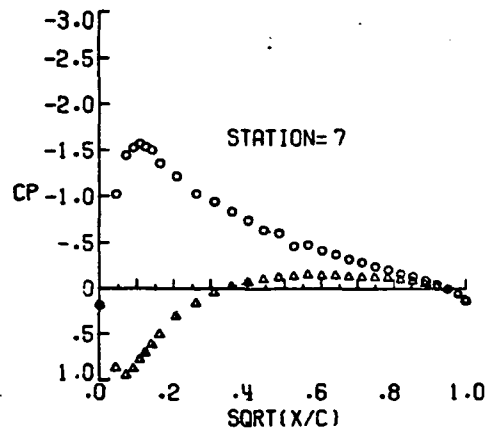
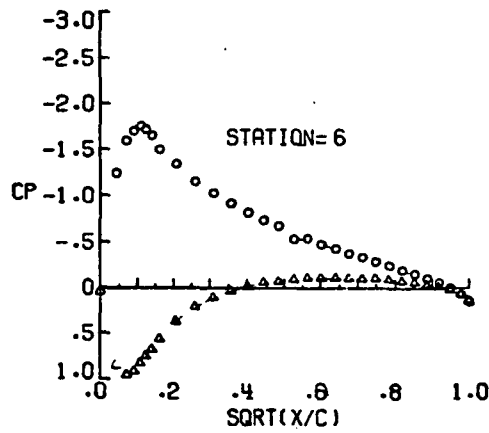
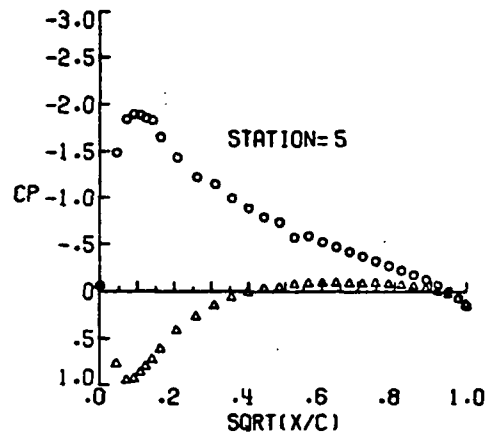
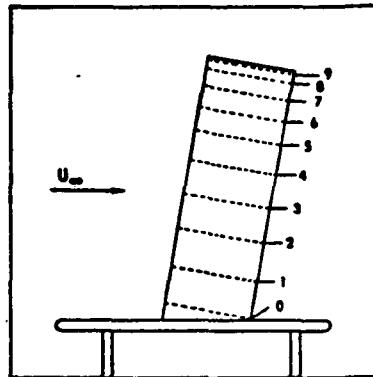
UPPER- O LOWER- Δ



(g) $\alpha = 6.75^\circ$

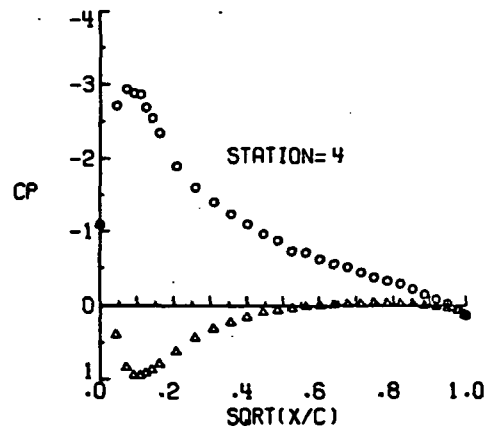
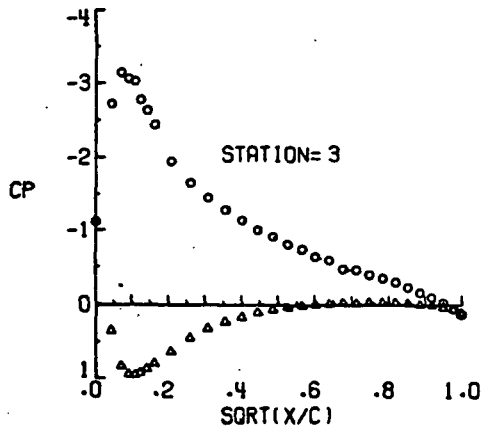
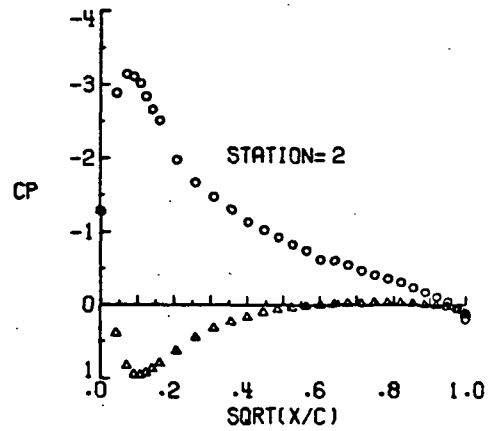
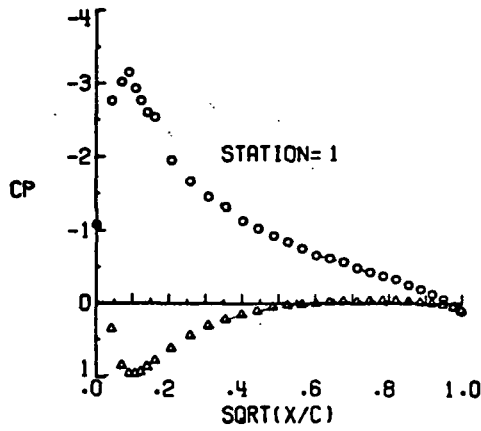
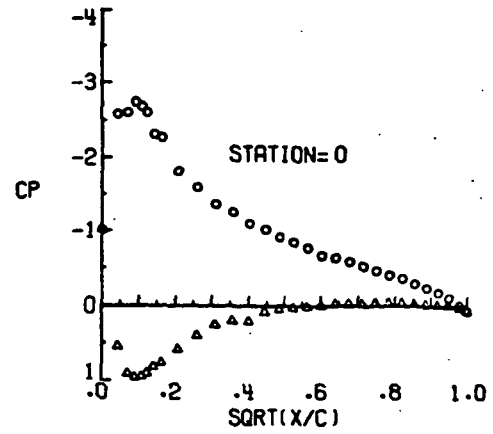
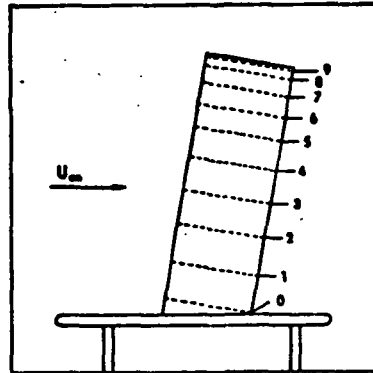
Figure 3. - Continued.

UPPER- O LOWER- Δ



(g) Concluded.
Figure 3 . - Continued.

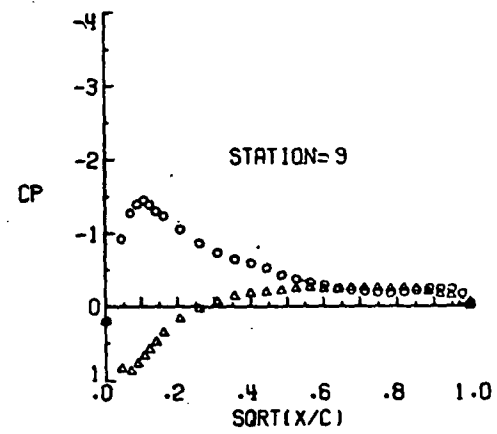
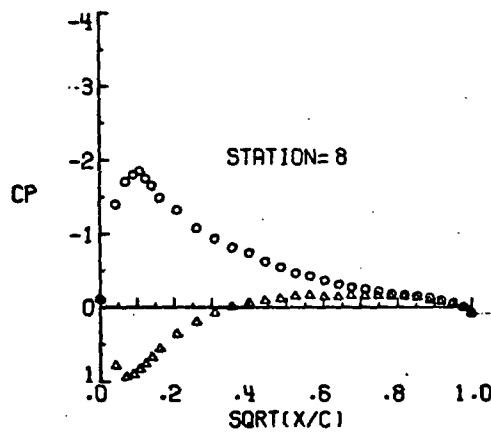
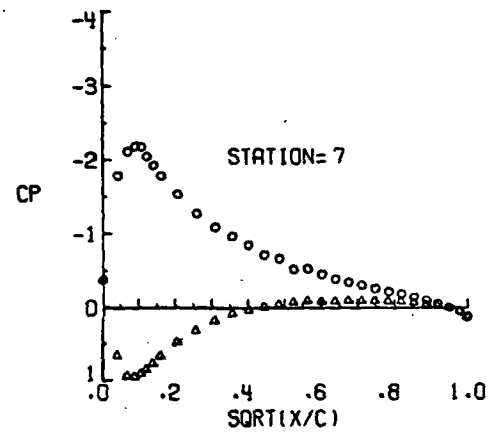
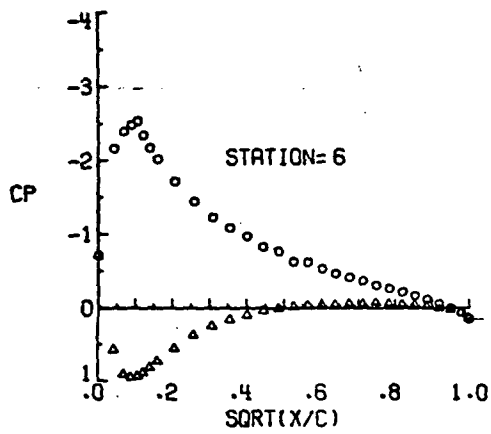
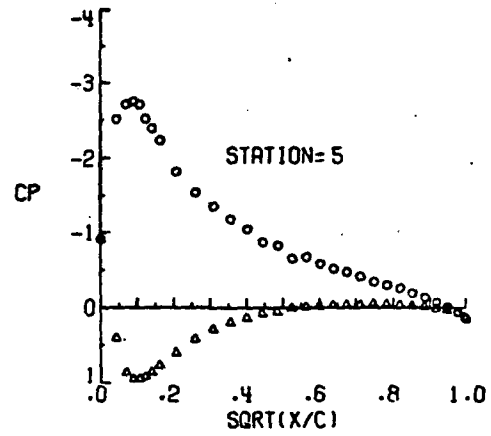
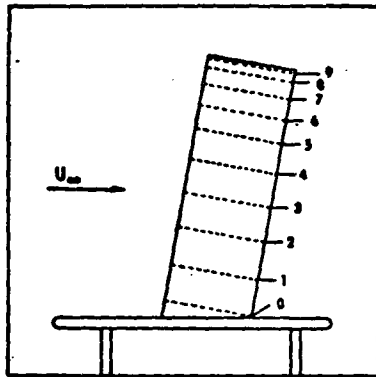
UPPER- O LOWER- Δ



(h) = 8.84°

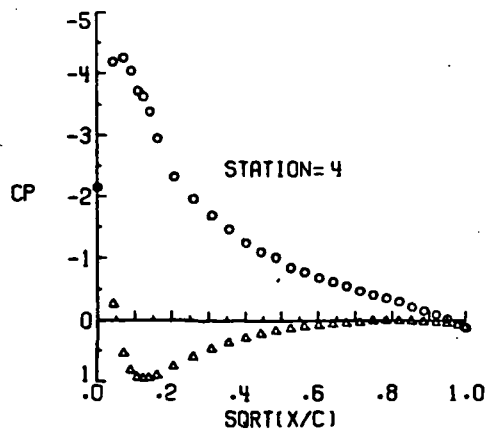
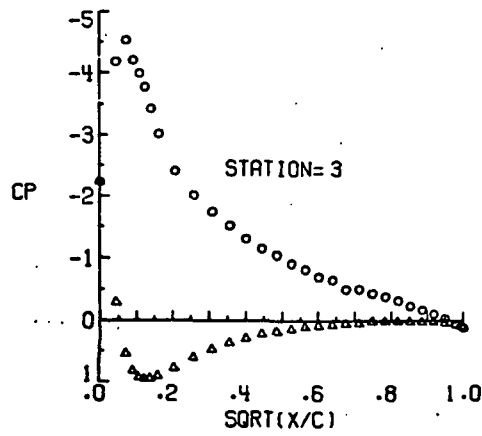
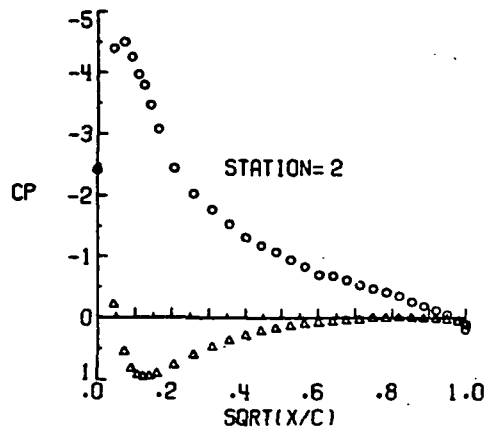
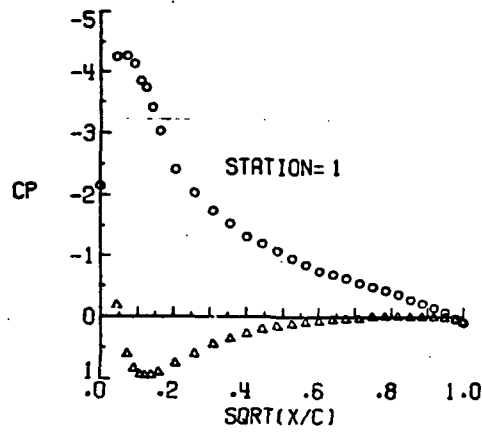
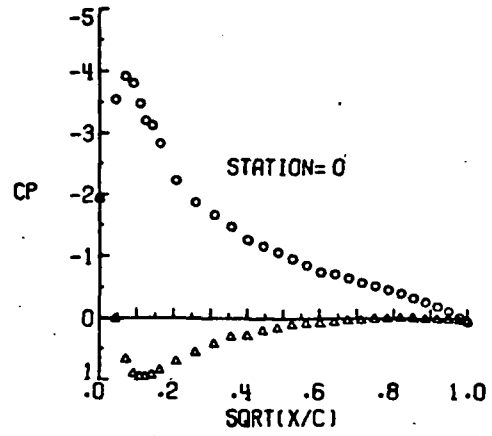
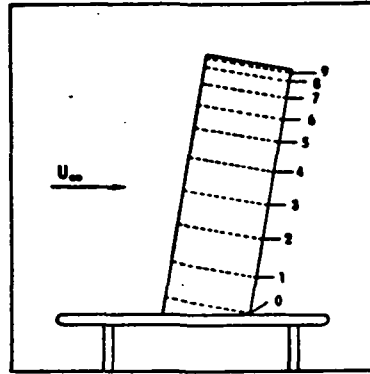
Figure 3 . - Continued.

UPPER- O LOWER- Δ



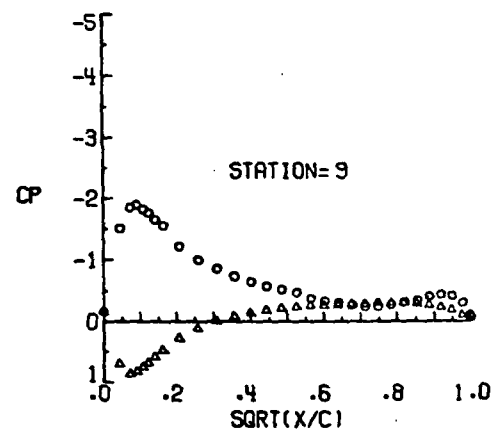
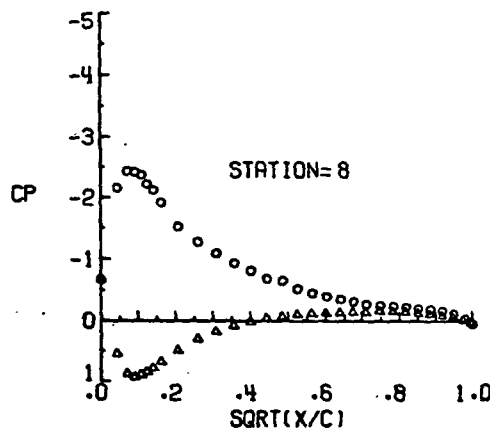
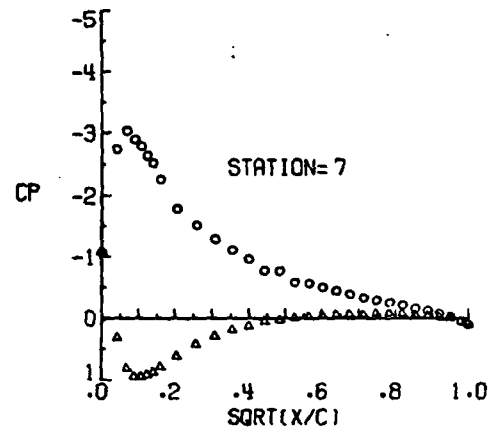
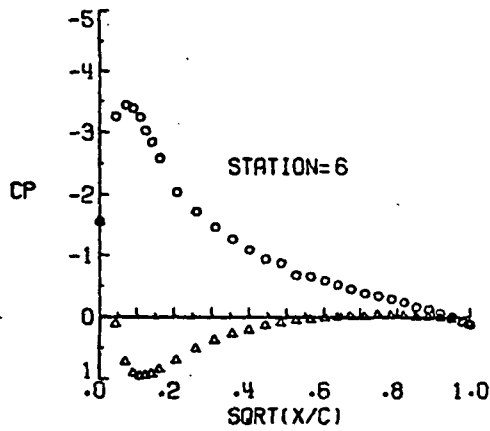
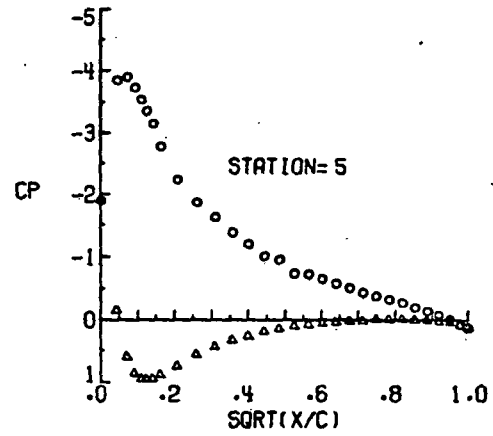
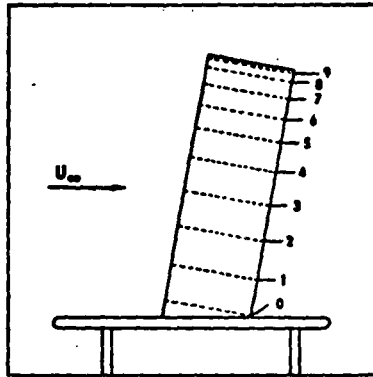
(h) Concluded.
Figure 3 . - Continued.

UPPER- O LOWER- Δ



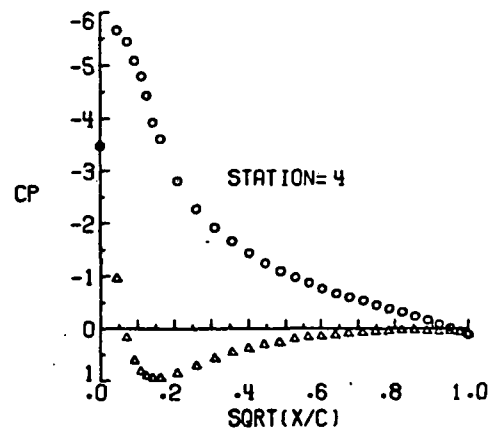
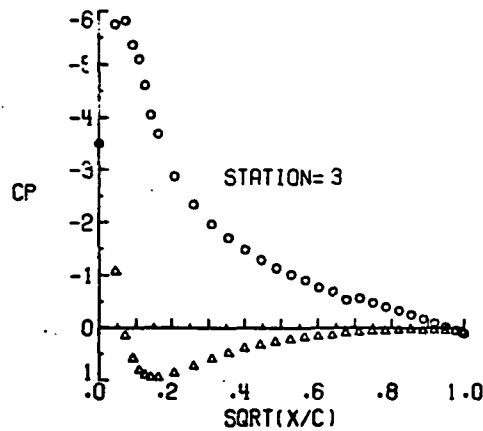
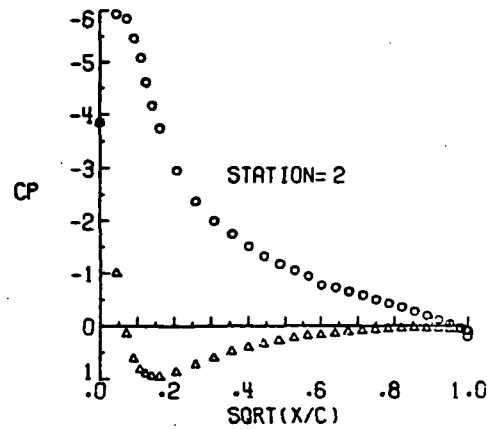
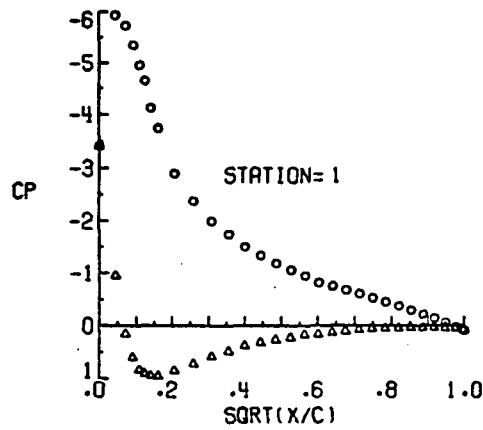
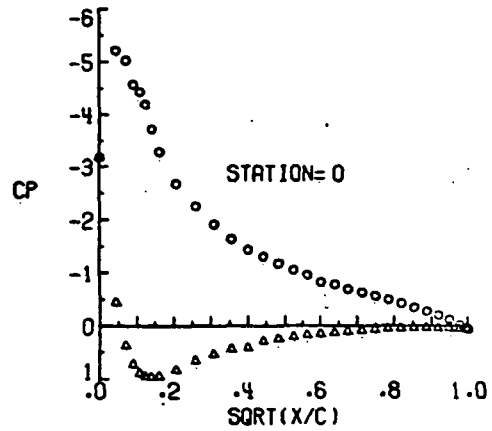
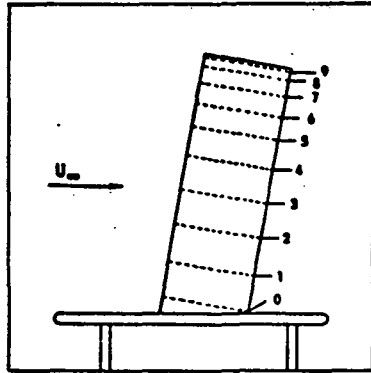
(i) $\alpha = 10.96^\circ$
Figure 3 . - Continued.

UPPER- O LOWER- Δ



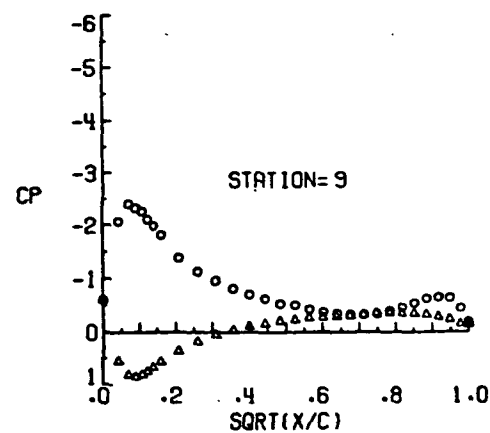
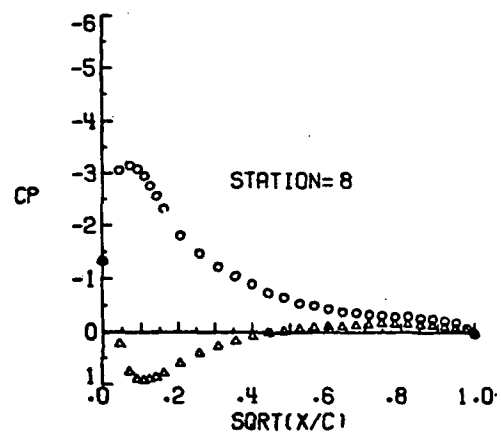
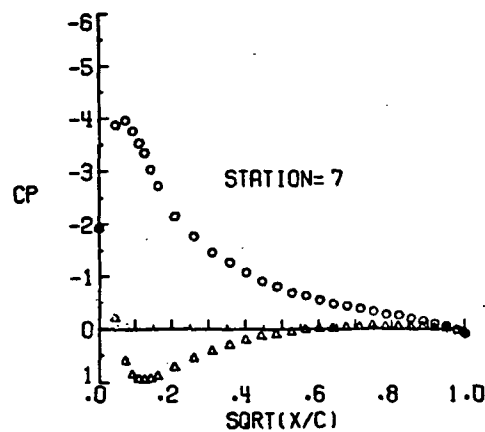
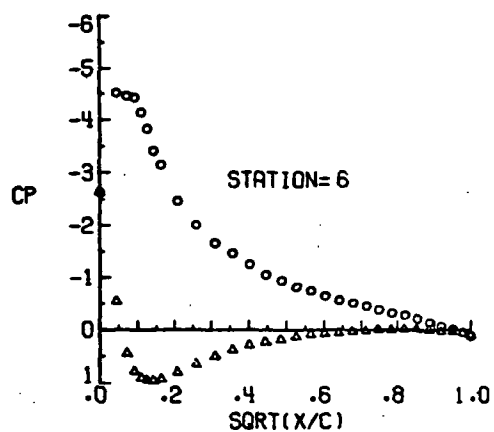
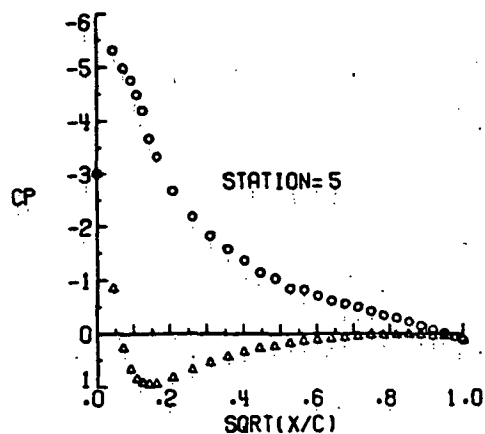
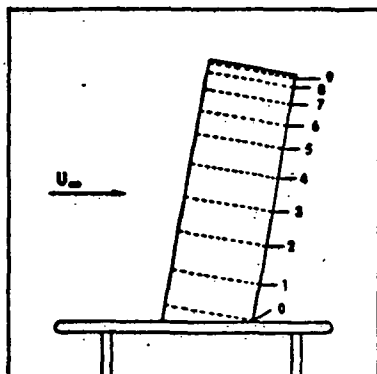
(i) Concluded.
Figure 3. - Continued.

UPPER- O LOWER- Δ



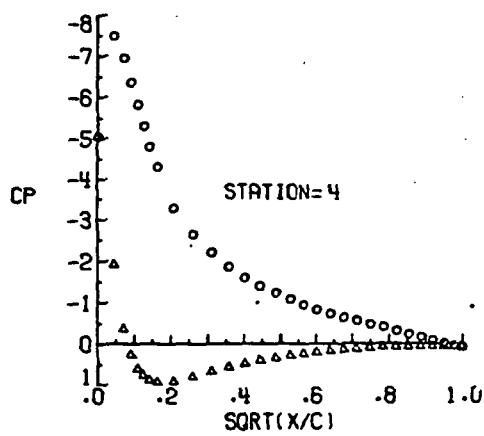
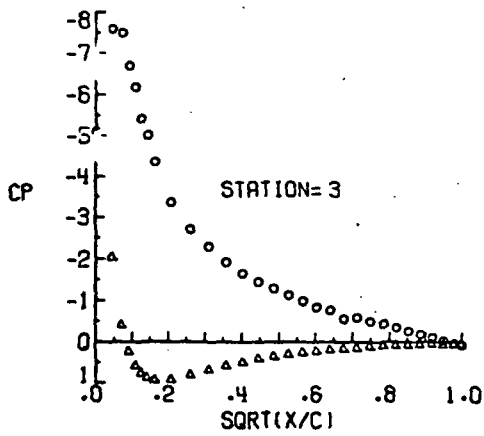
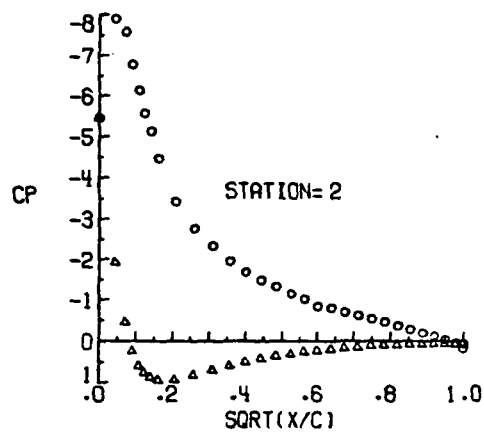
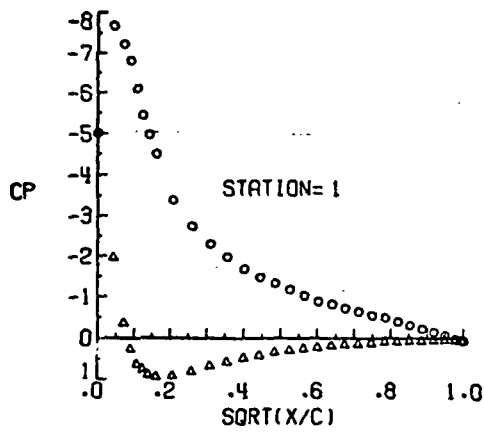
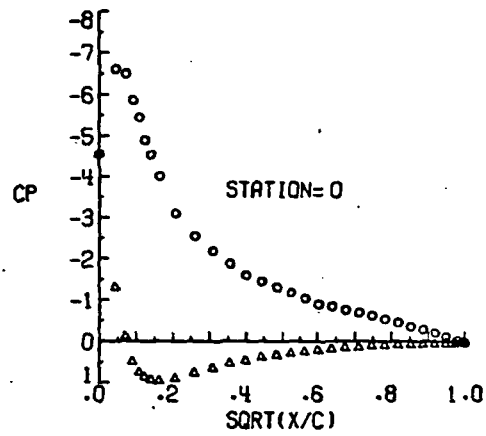
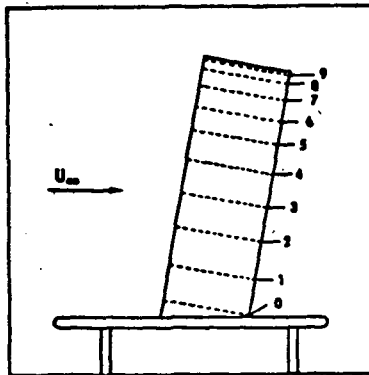
(j) $\alpha = 13.06^\circ$
Figure 3. - Continued.

UPPER- O LOWER- Δ



(j) Concluded.
Figure 3. - Continued.

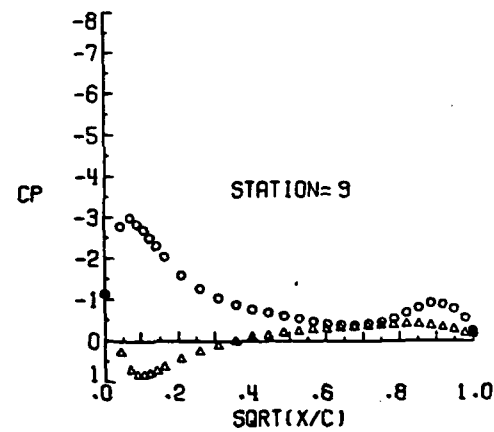
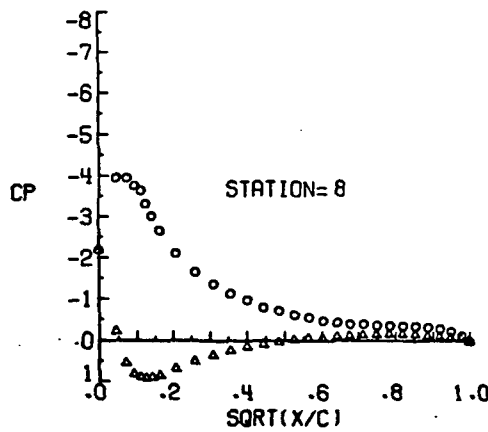
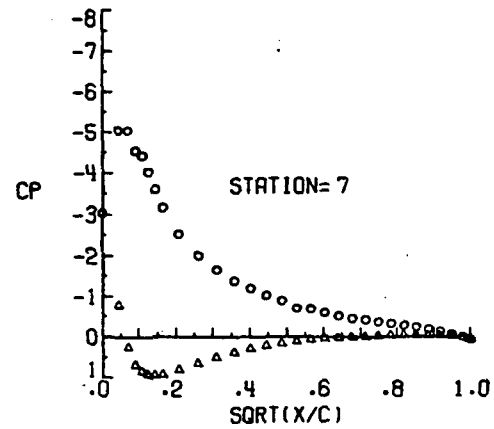
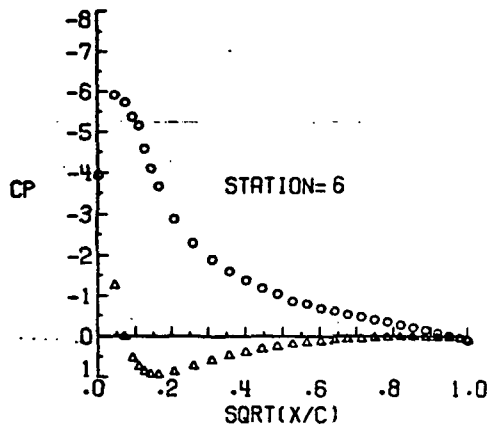
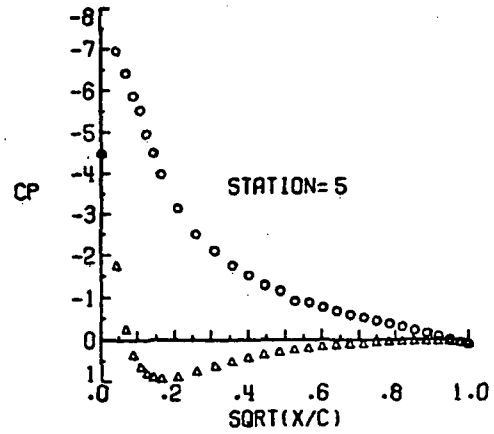
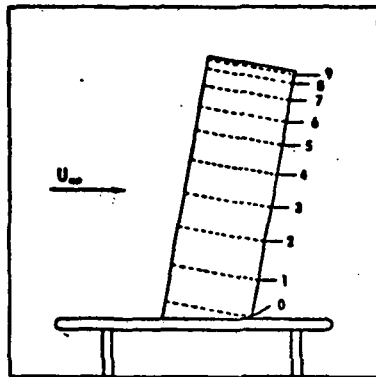
UPPER- O LOWER- Δ



(k) $\alpha = 15.16^\circ$

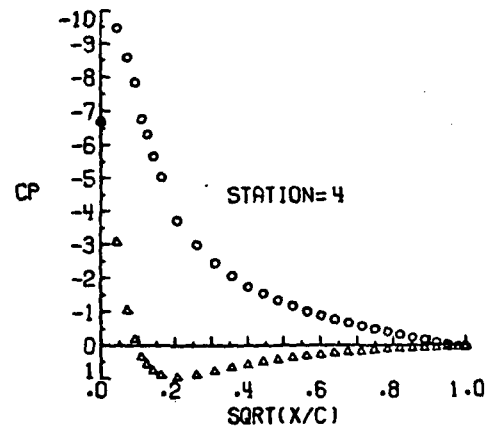
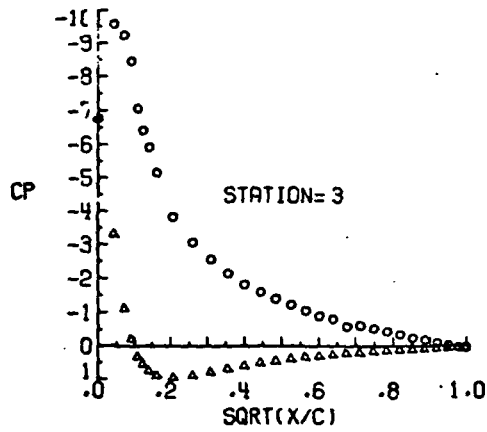
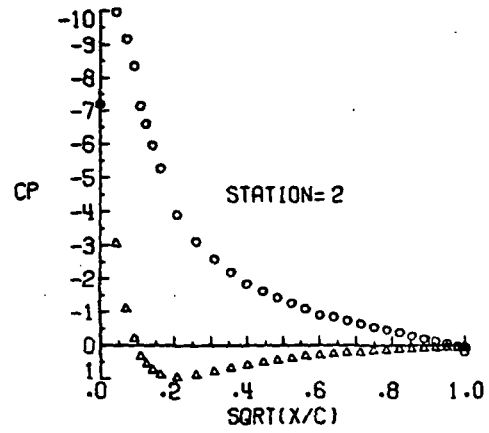
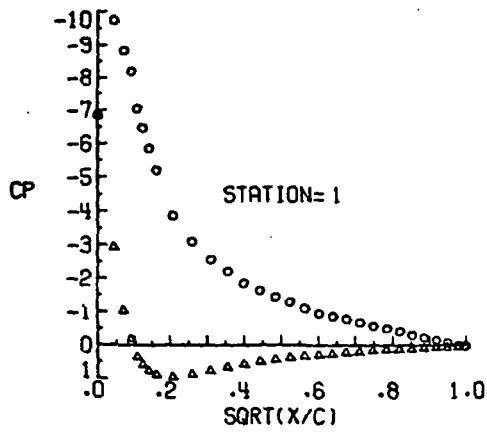
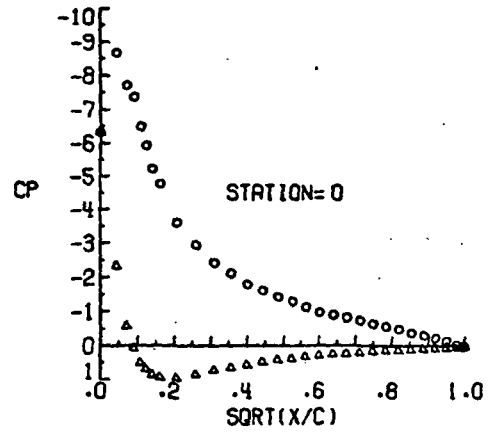
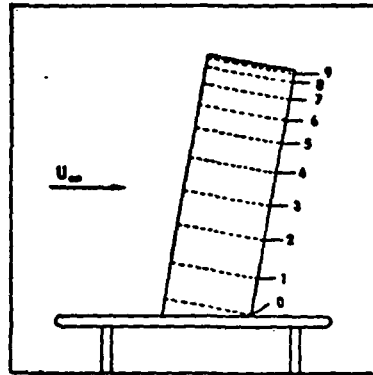
Figure 3. - Continued.

UPPER- O LOWER- Δ



(k) Concluded.
Figure . - Continued.

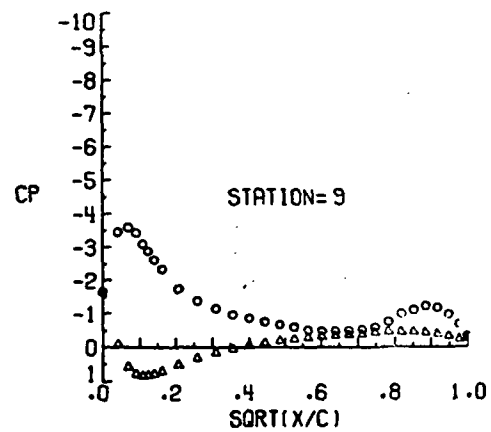
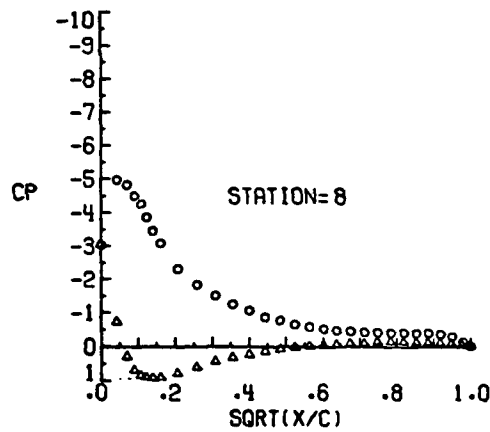
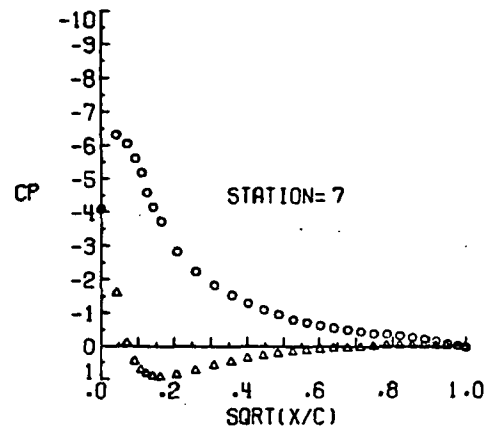
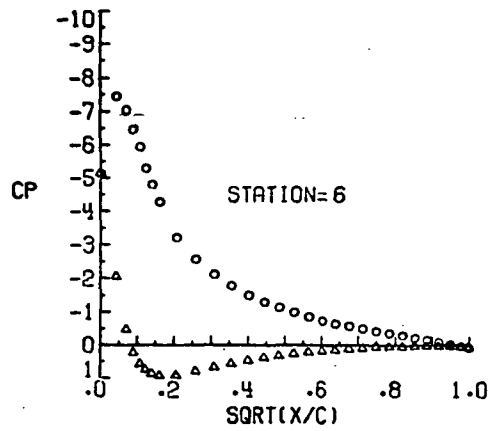
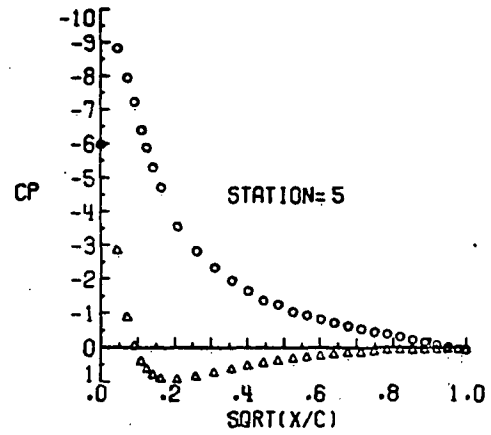
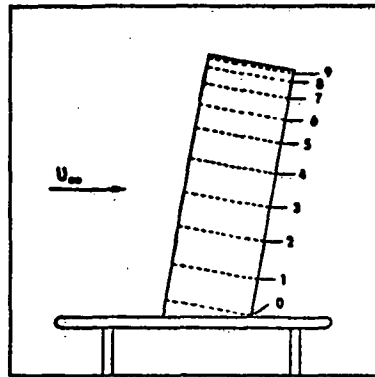
UPPER- O LOWER- Δ



(1) $\alpha = 17.26^\circ$

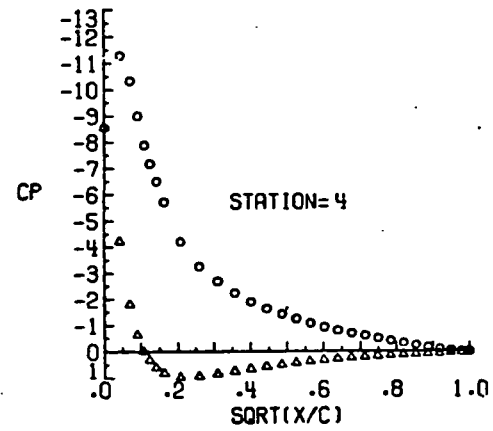
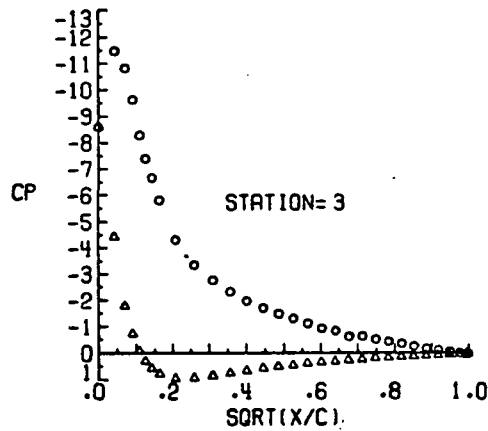
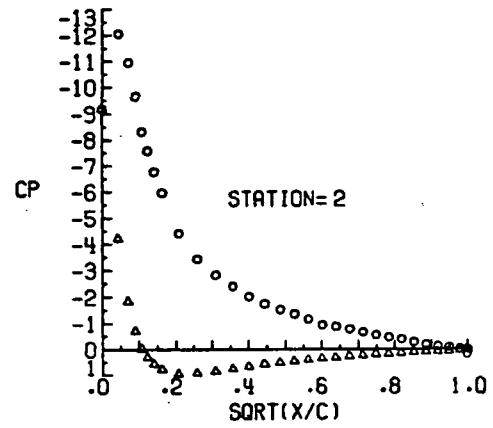
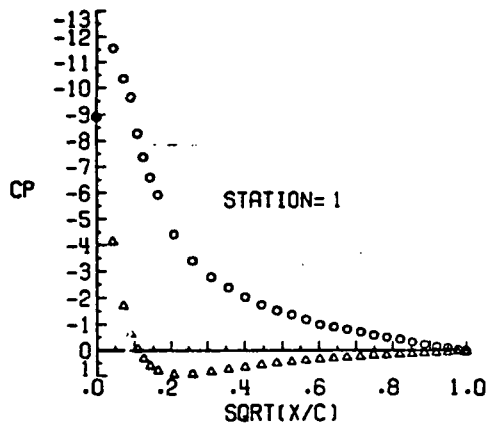
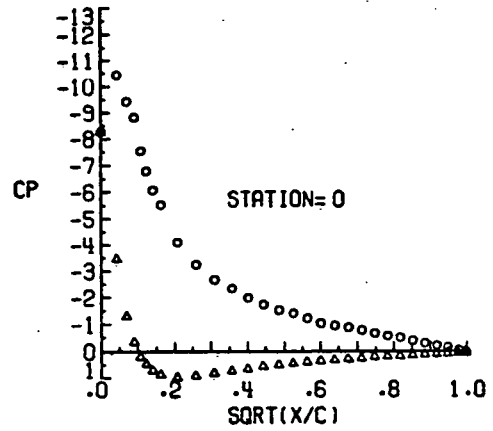
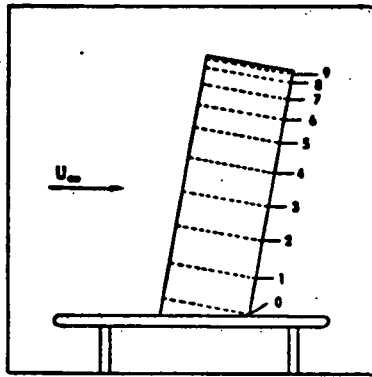
Figure 3 . - Continued.

UPPER-○ LOWER-△



(1) Concluded.
Figure 3 . - Continued.

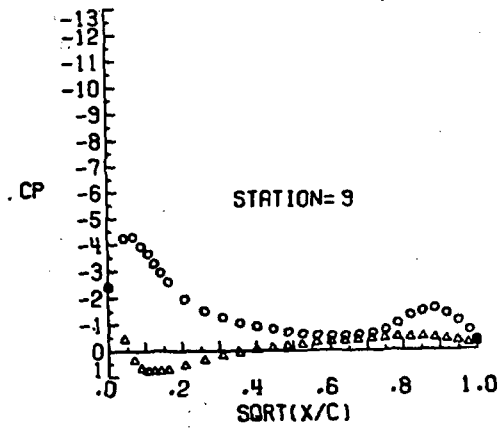
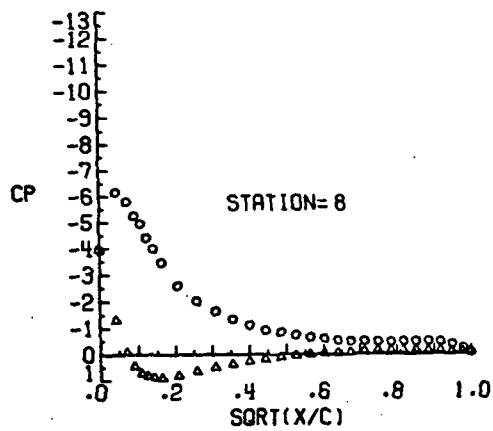
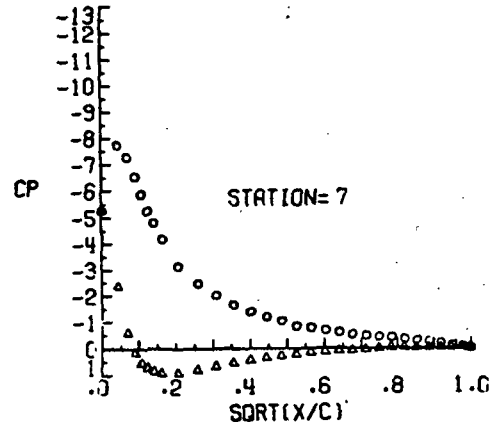
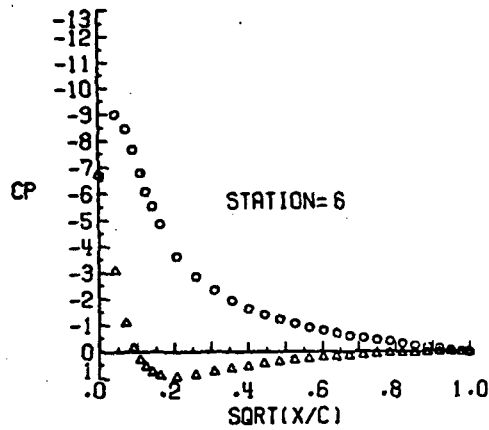
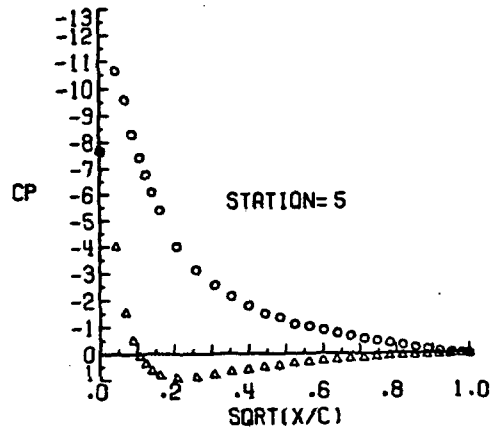
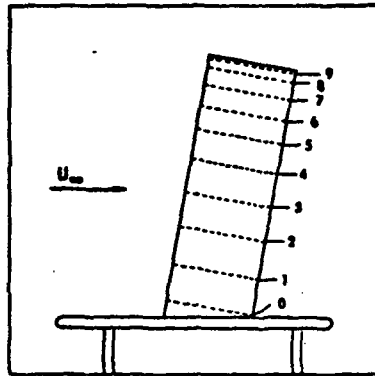
UPPER- O LOWER- Δ



(m) $\alpha = 19.32^\circ$

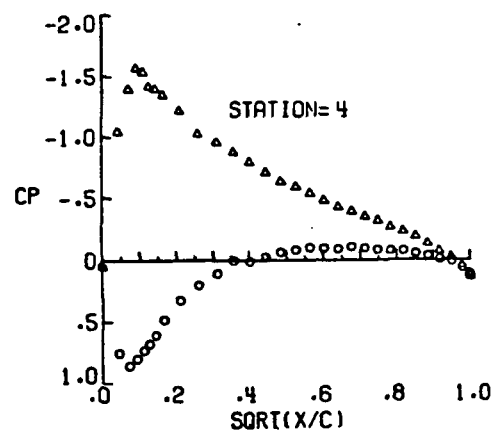
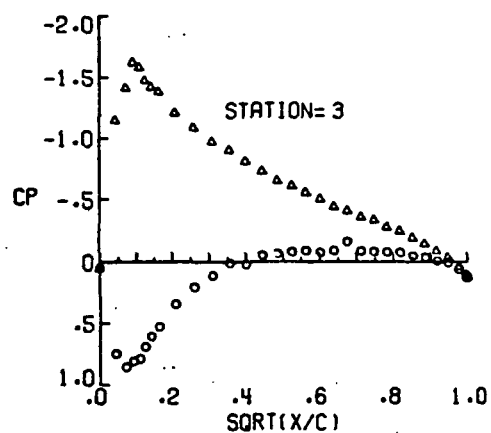
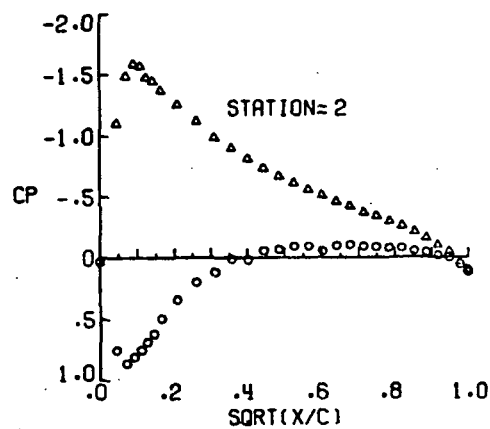
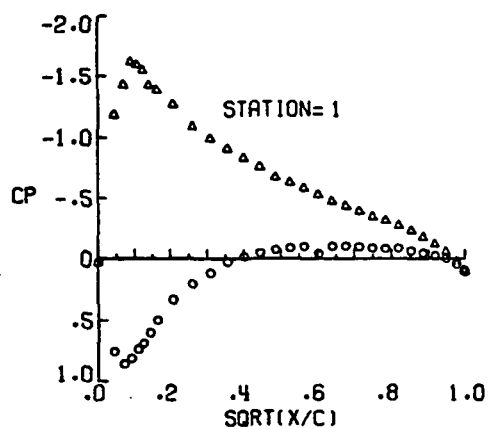
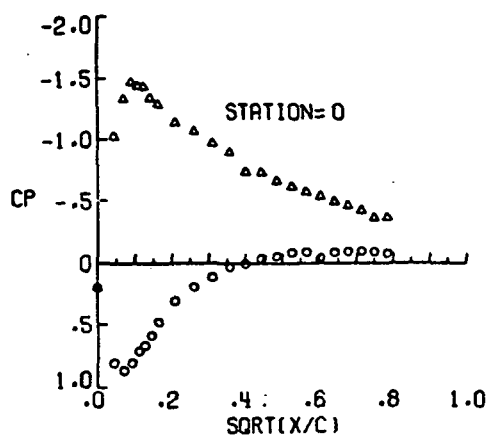
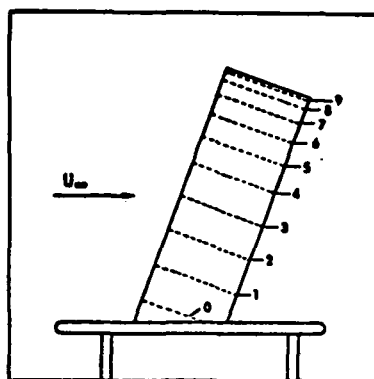
Figure 3. - Continued.

UPPER- O LOWER- Δ



(m) Concluded.
Figure 3 . - Concluded.

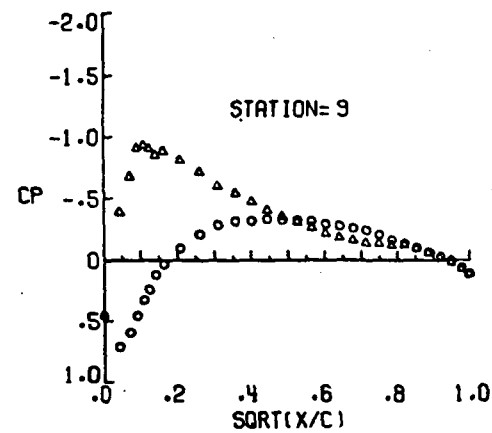
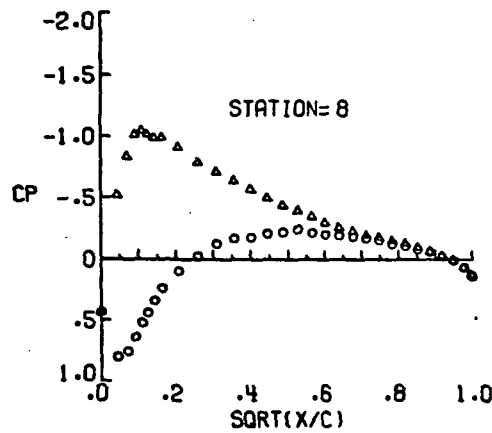
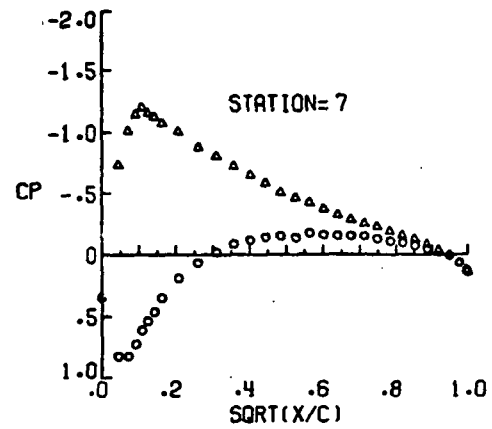
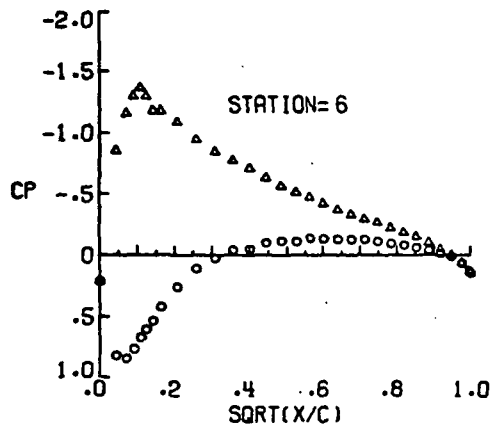
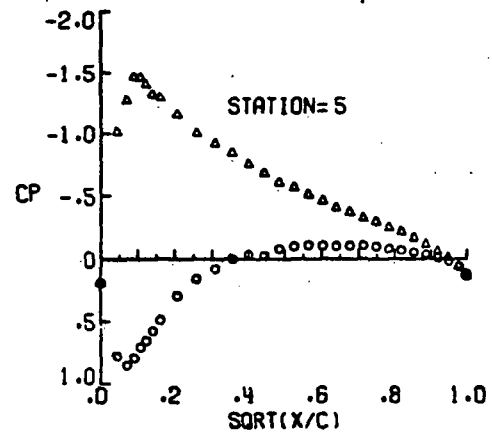
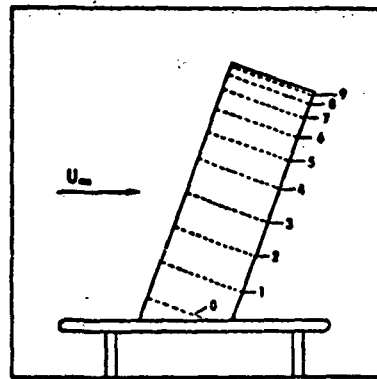
UPPER- O LOWER- Δ



(a) $\alpha = -5.67^\circ$

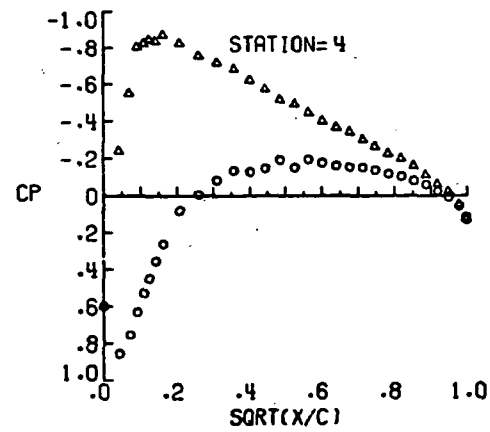
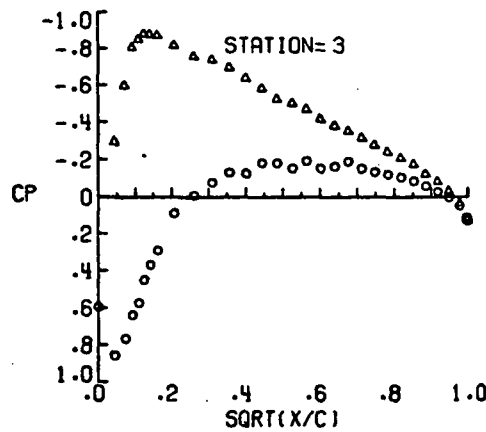
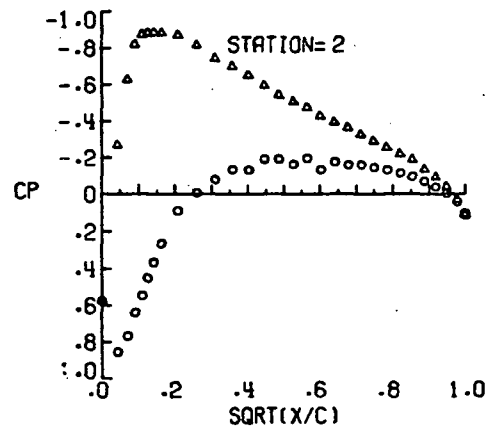
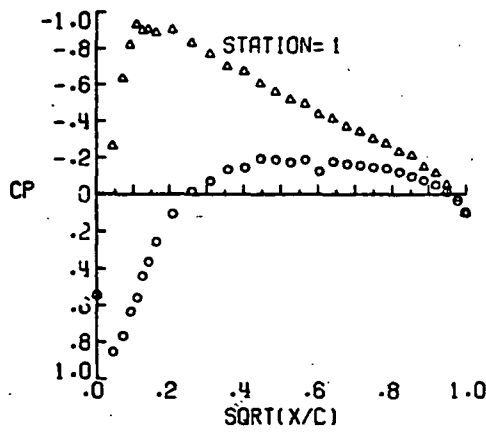
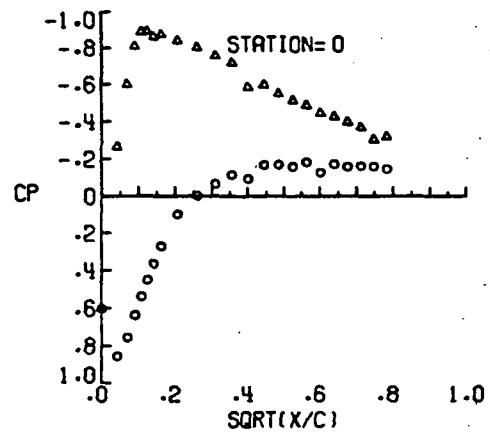
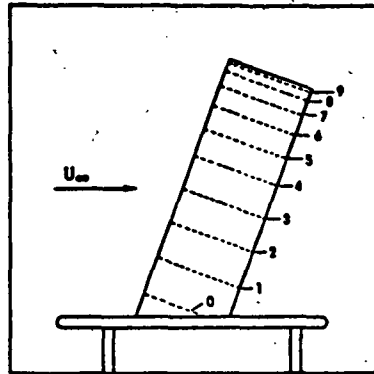
Figure 4 . - Pressure distributions at 20° sweep.

UPPER- O LOWER- Δ



(a) Concluded.
Figure 4 . - Continued.

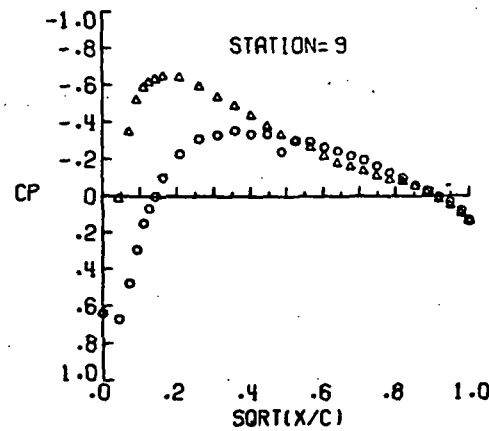
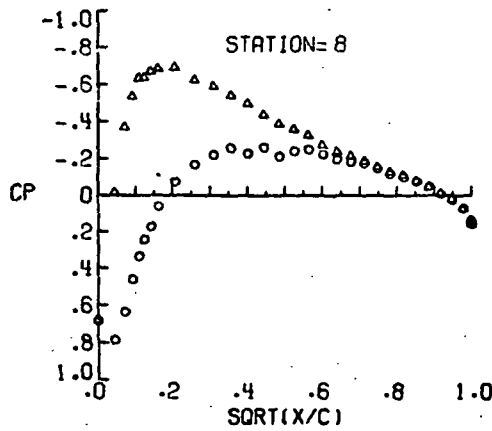
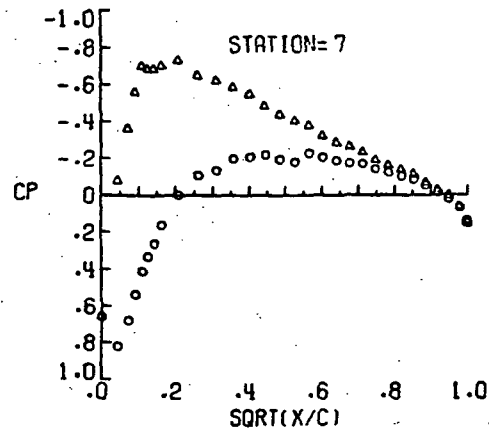
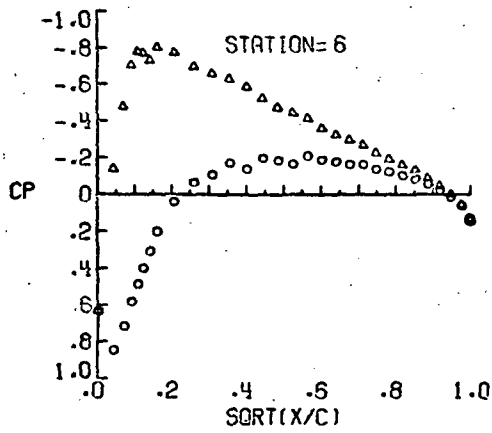
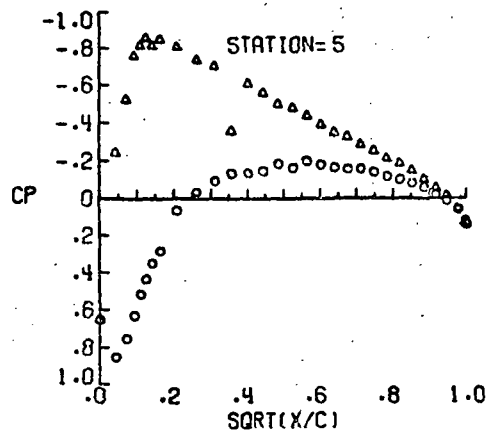
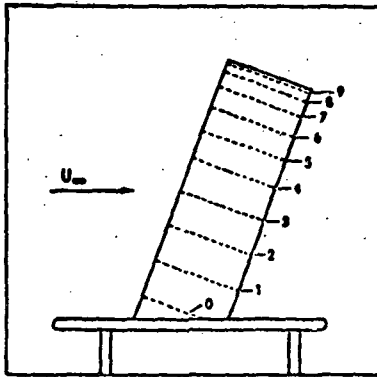
UPPER- O LOWER- Δ



(b) $\alpha = -3.75^\circ$

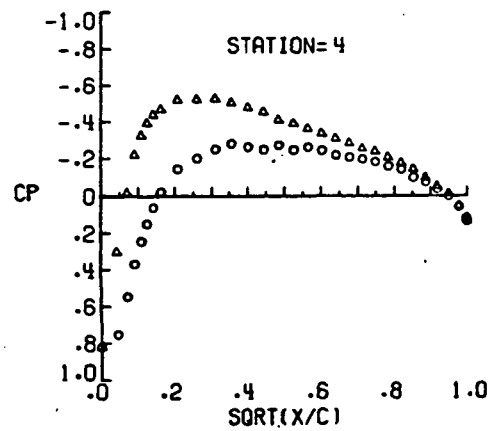
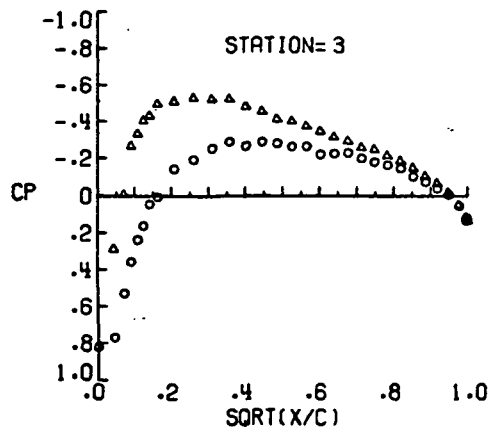
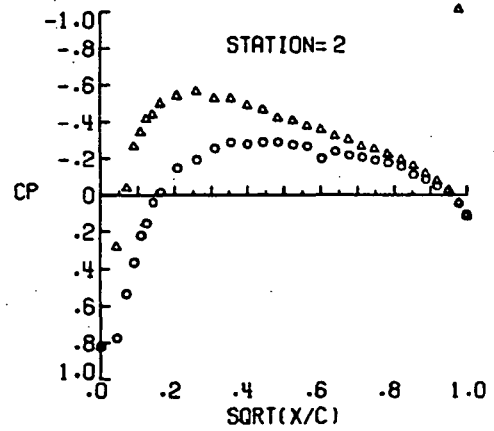
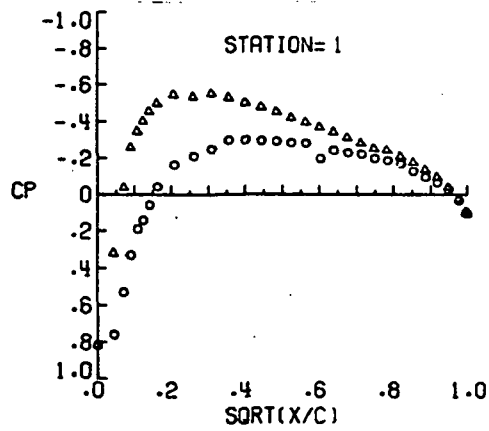
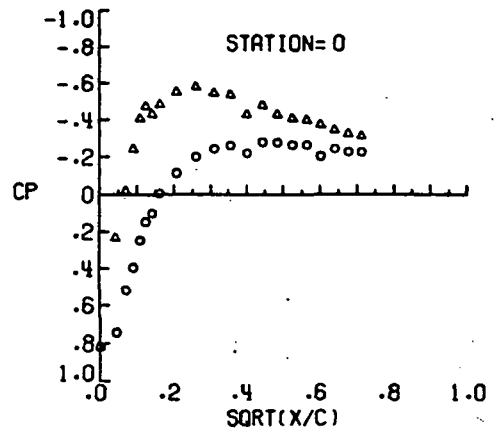
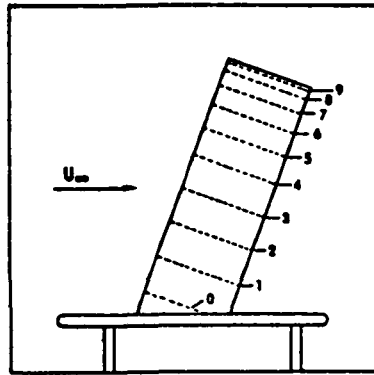
Figure 4. - Continued.

UPPER- O LOWER- Δ



(b) Concluded.
Figure 4. - Continued.

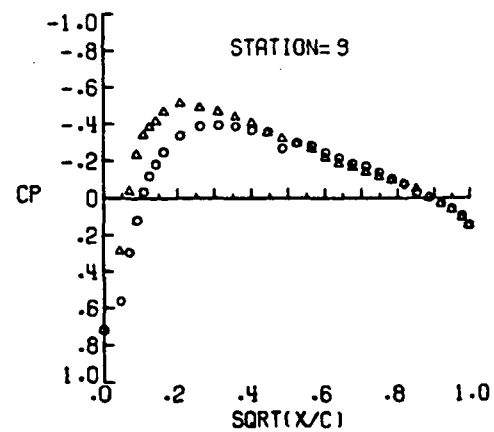
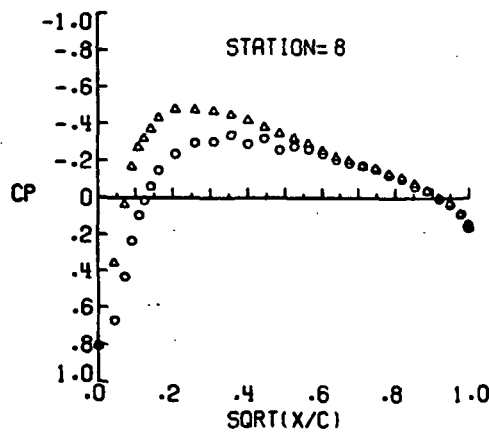
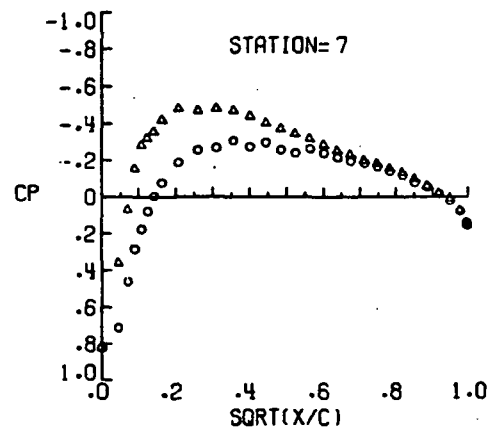
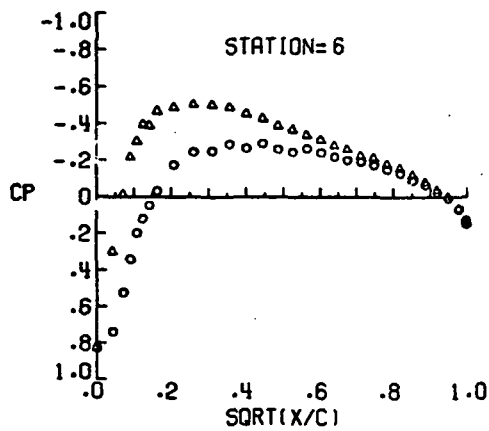
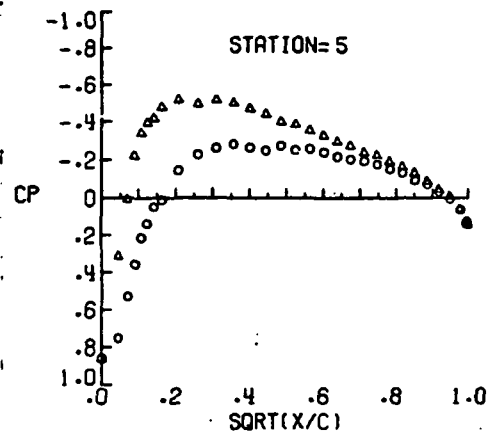
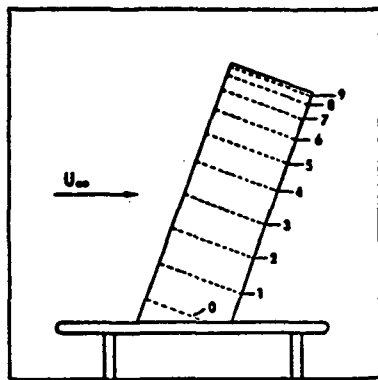
UPPER- O LOWER- Δ



(c) $\alpha = -1.64^\circ$

Figure 4. - Continued.

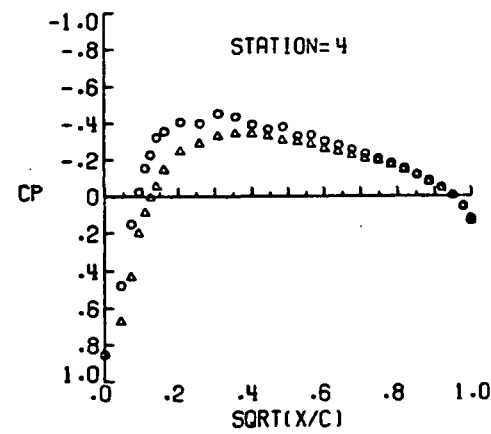
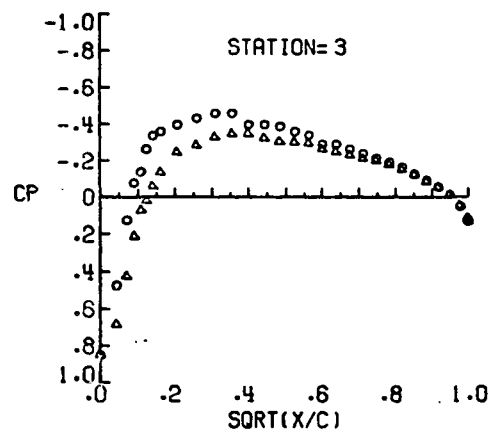
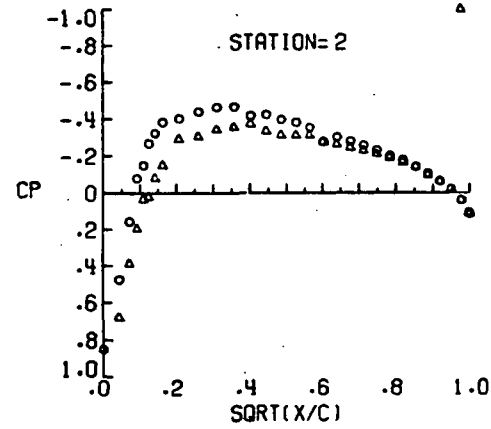
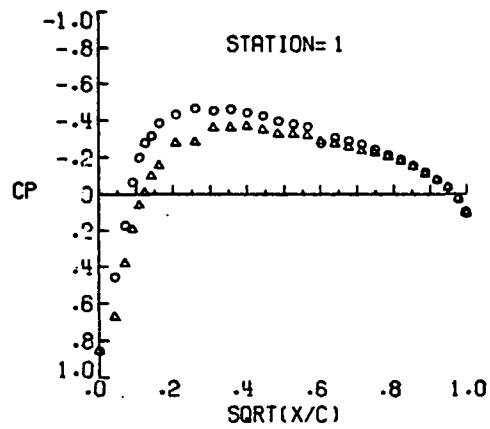
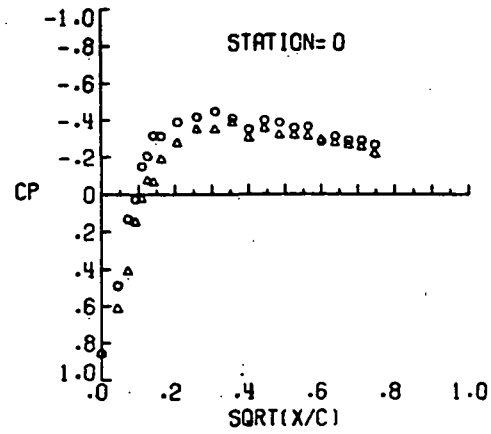
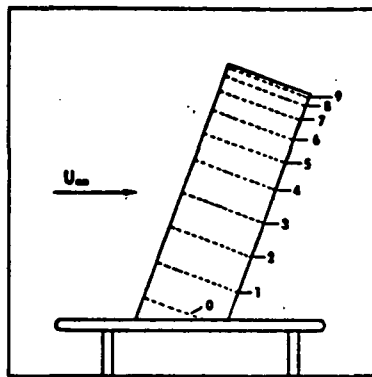
UPPER- O LOWER- Δ



(c) Concluded.

Figure 4. - Continued.

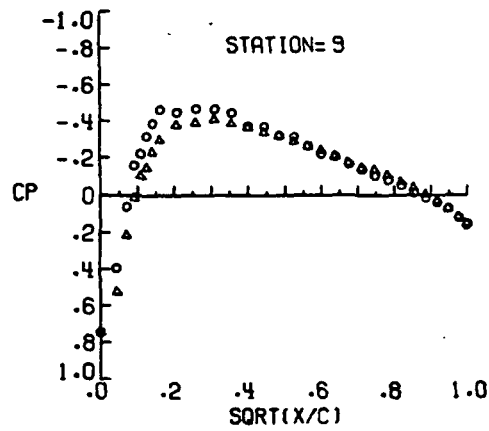
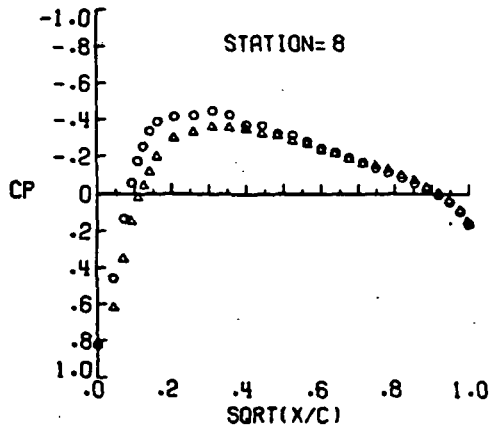
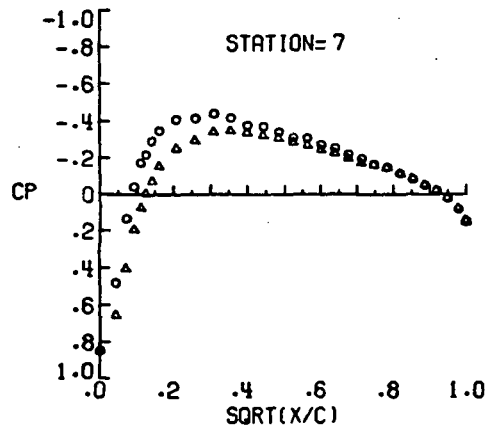
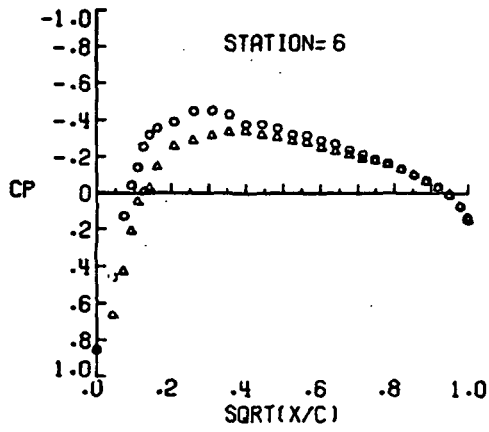
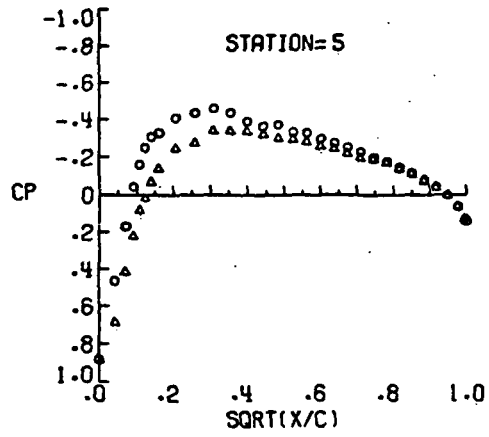
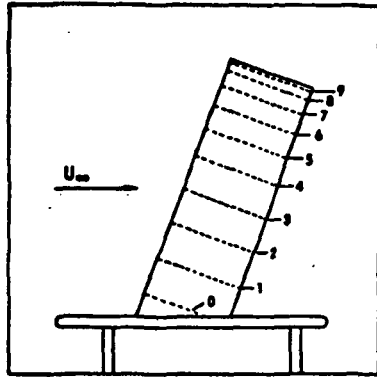
UPPER- O LOWER- Δ



(d) $\alpha = 0.44^\circ$

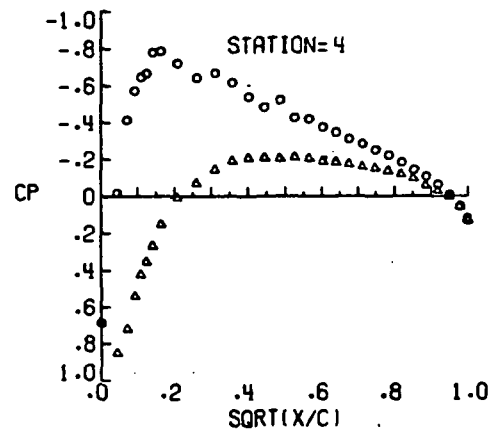
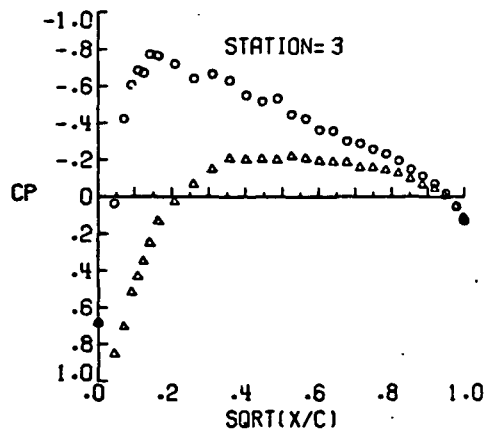
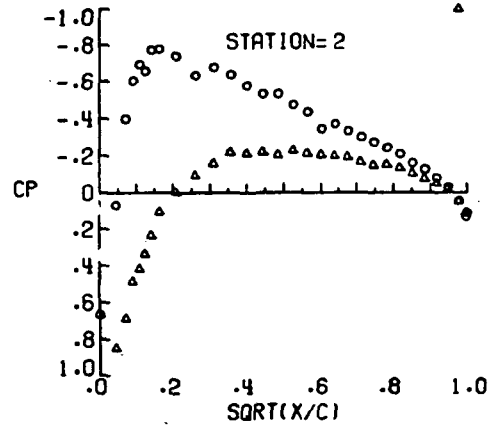
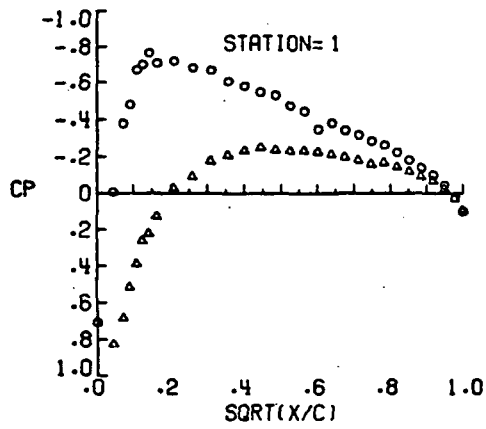
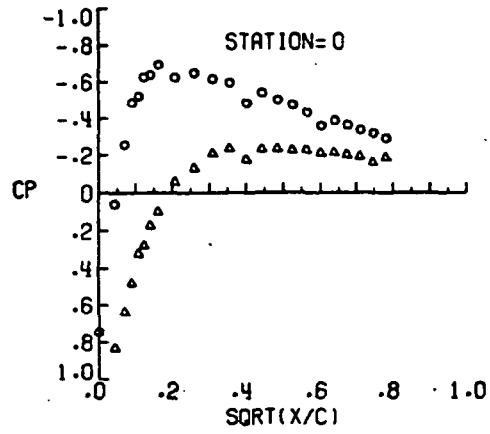
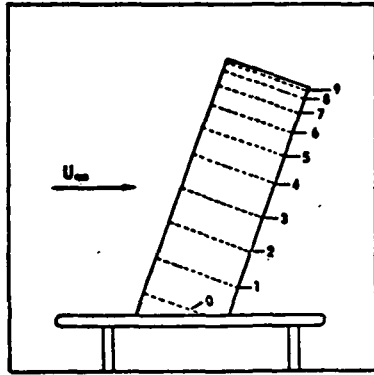
Figure 4. - Continued.

UPPER- O LOWER- Δ



(d) Concluded.
Figure 4. - Continued.

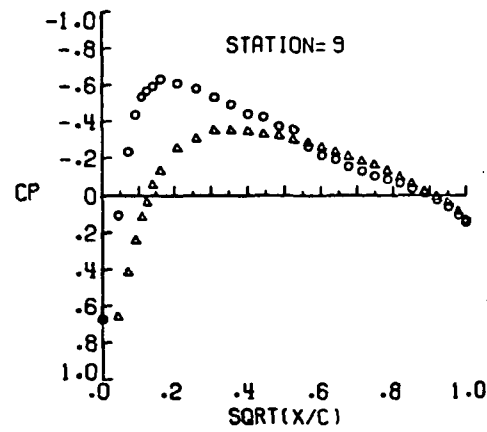
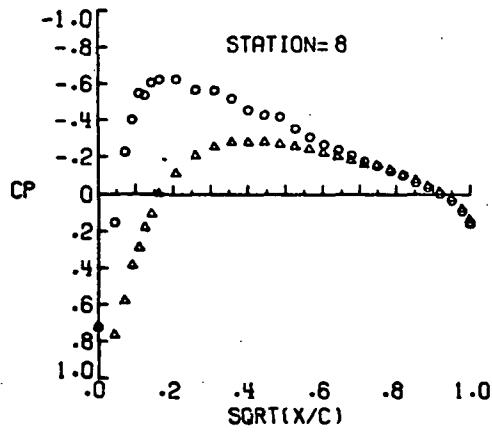
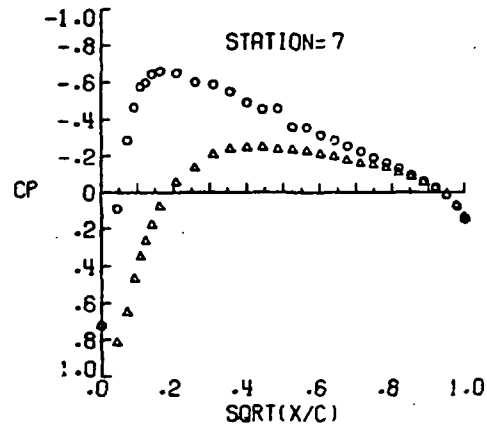
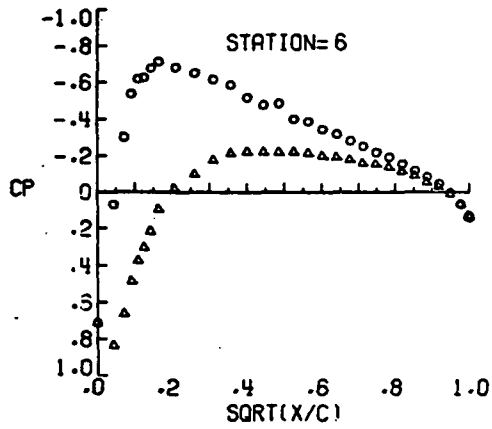
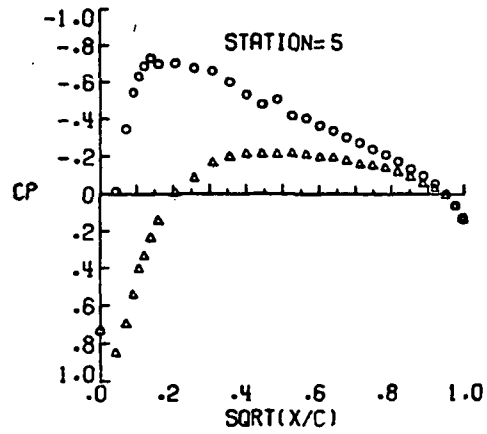
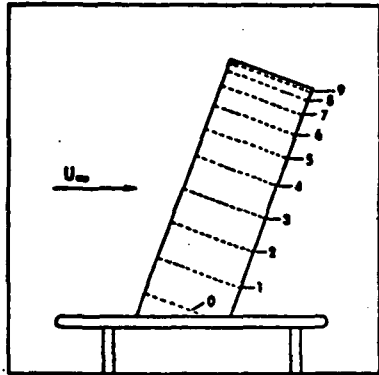
UPPER- O LOWER- Δ



(e) $\alpha = 2.53^\circ$

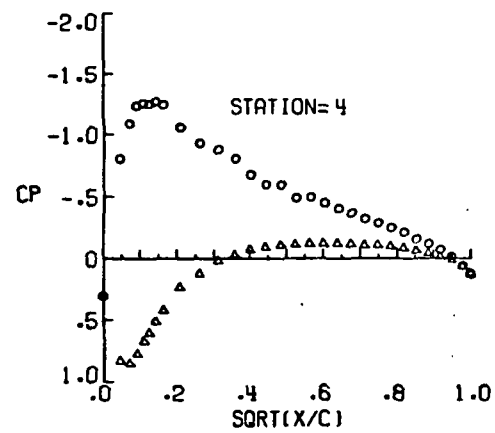
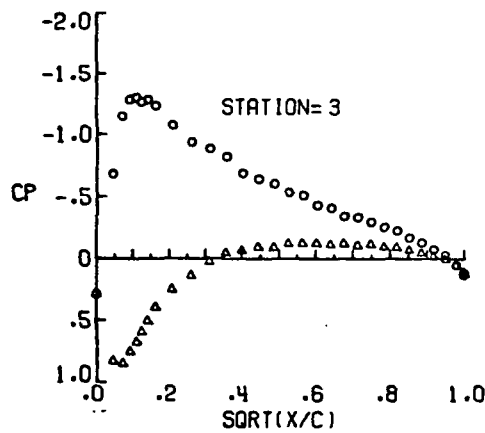
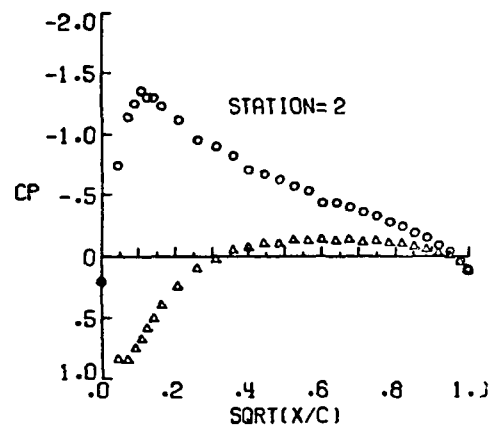
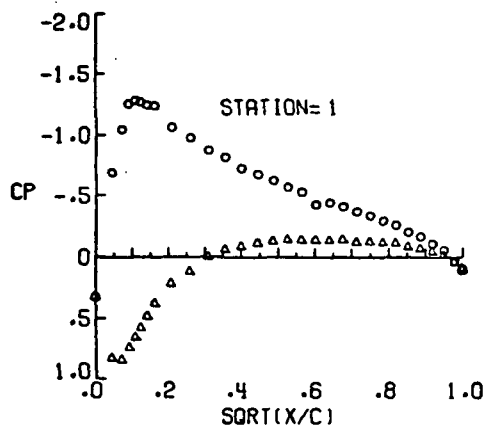
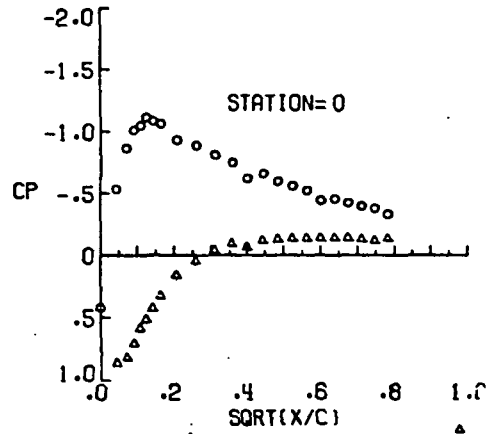
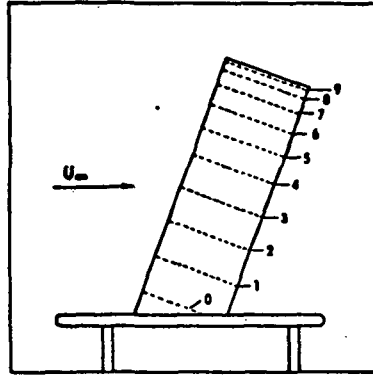
Figure 4. - Continued.

UPPER- O LOWER- Δ



(e) Concluded.
Figure 4. - Continued.

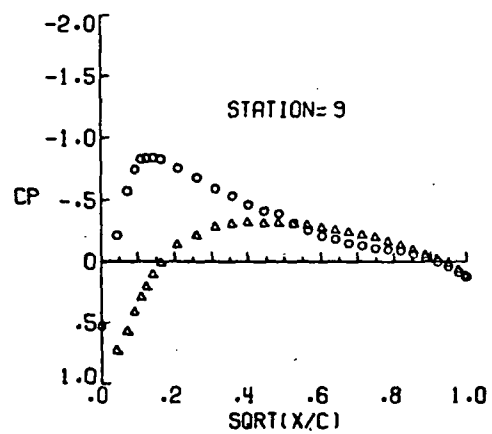
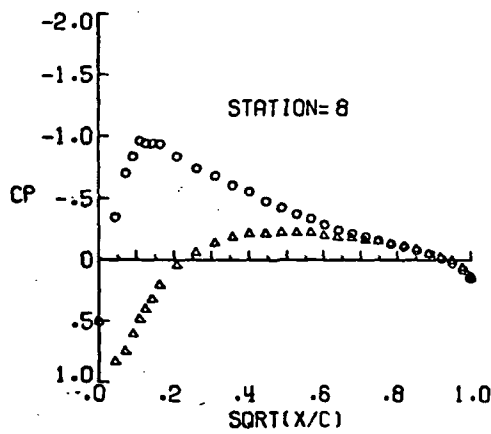
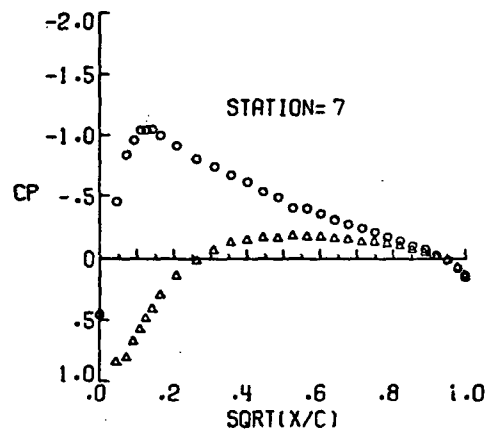
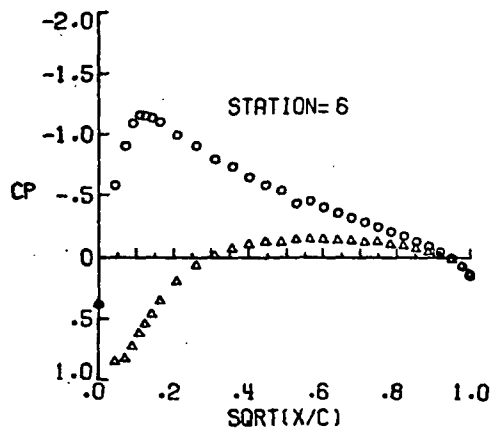
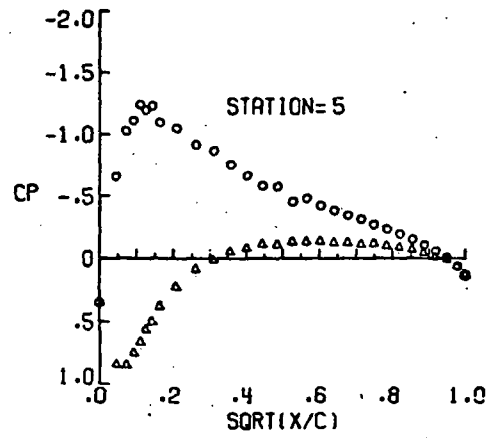
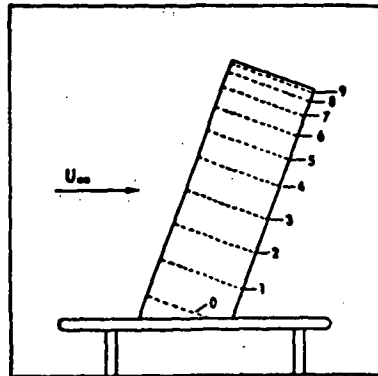
UPPER- $\circ$ LOWER- Δ



(f) $\alpha = 4.64^\circ$

Figure 4. - Continued.

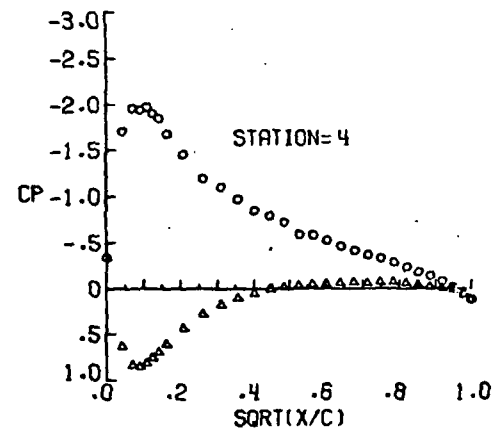
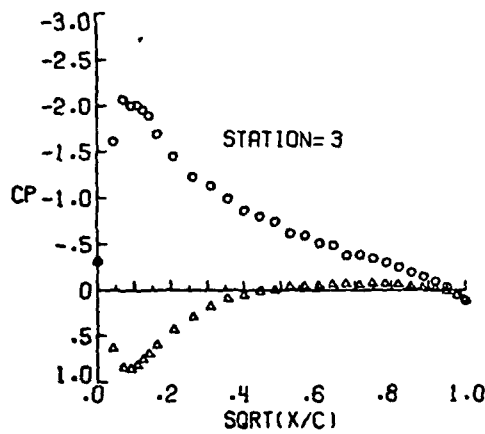
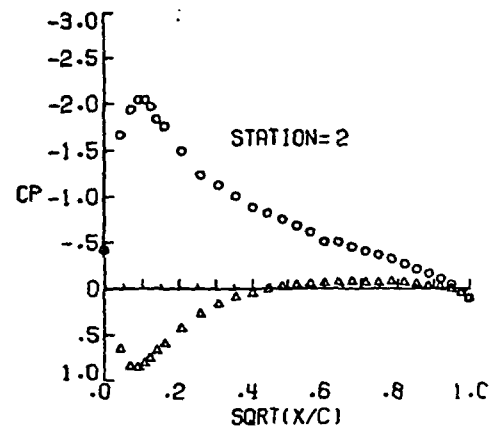
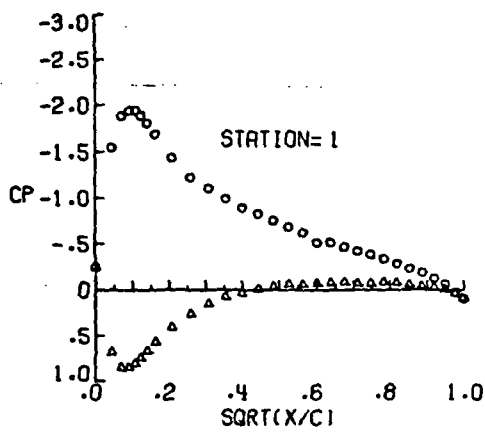
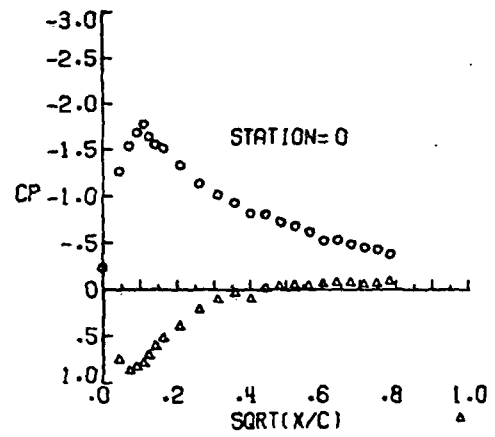
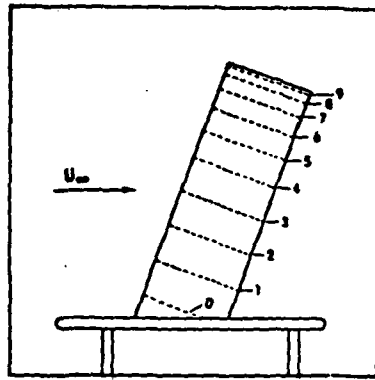
UPPER- O LOWER- Δ



(f) Concluded.

Figure 4 . - Continued.

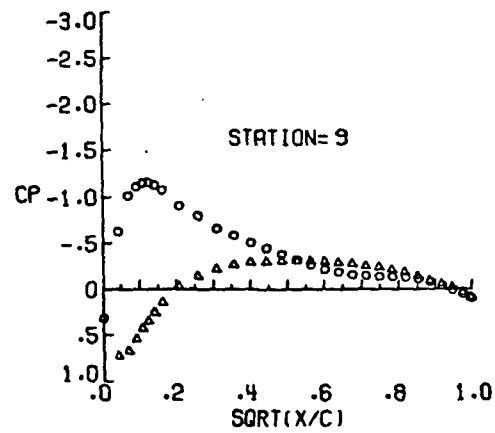
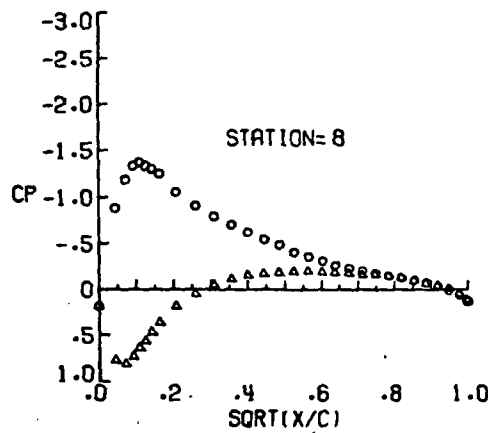
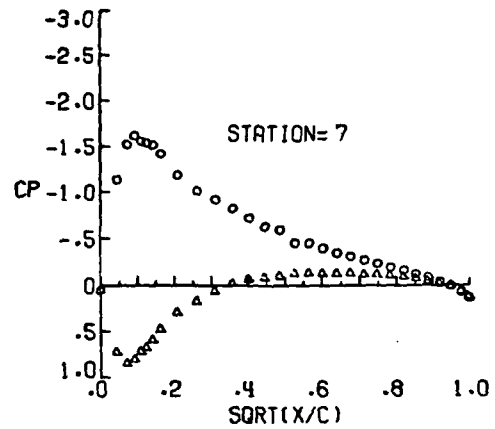
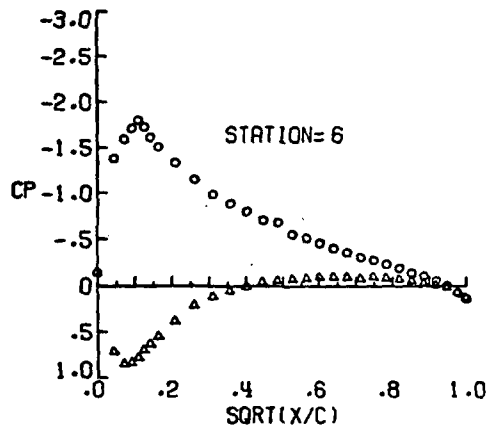
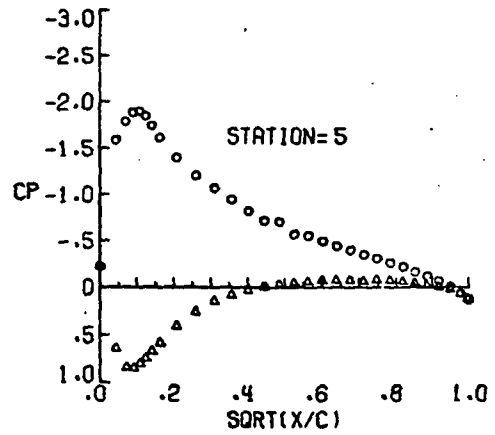
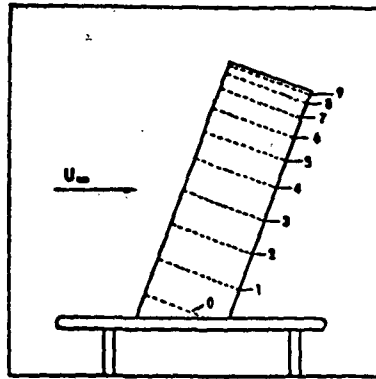
UPPER- O LOWER- Δ



(g) $\alpha = 6.74^\circ$

Figure 4. - Continued.

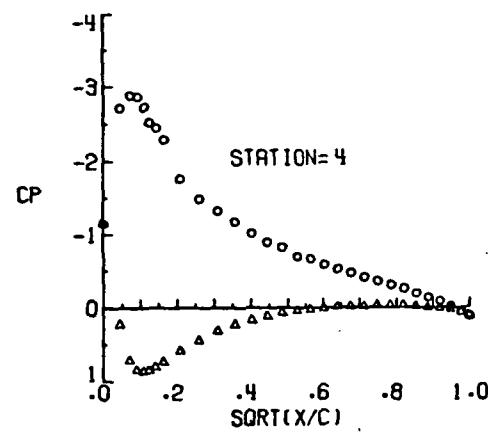
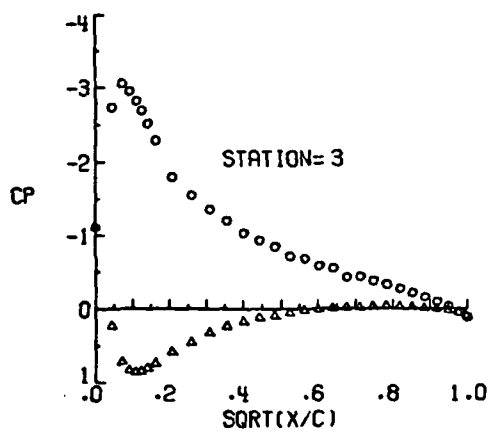
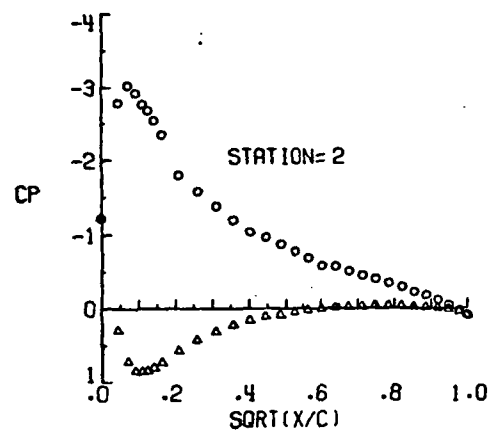
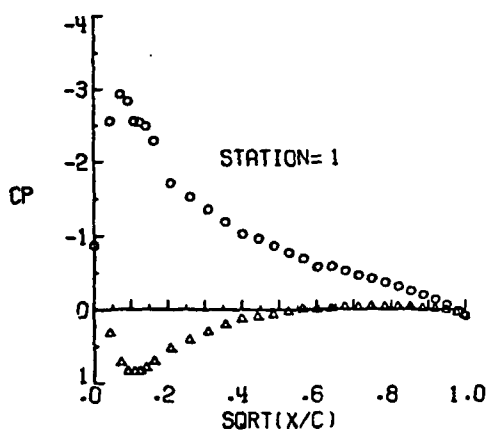
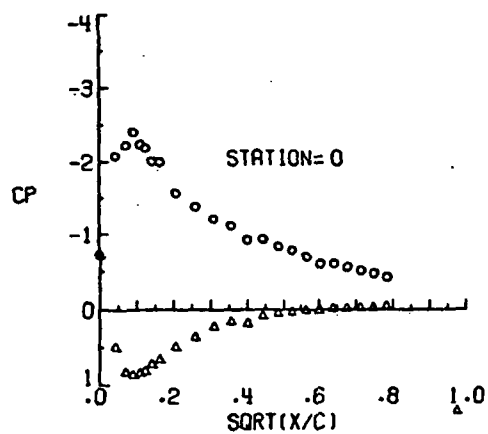
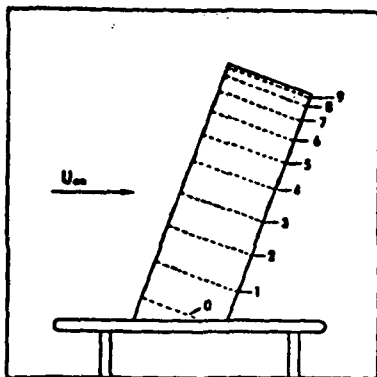
UPPER- O LOWER- Δ



(g) Concluded.

Figure 4. - Continued.

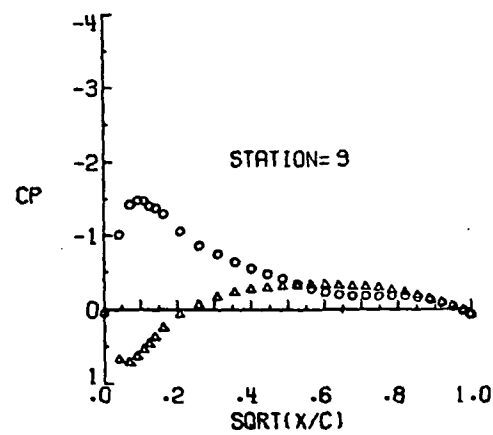
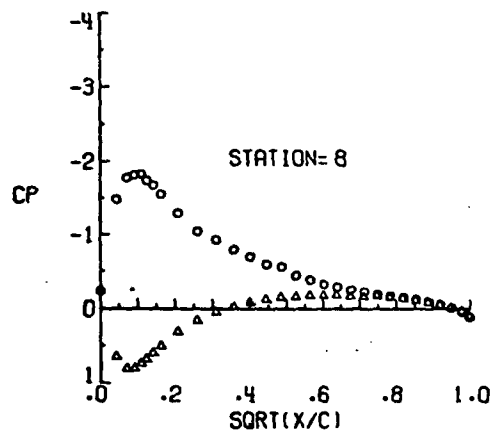
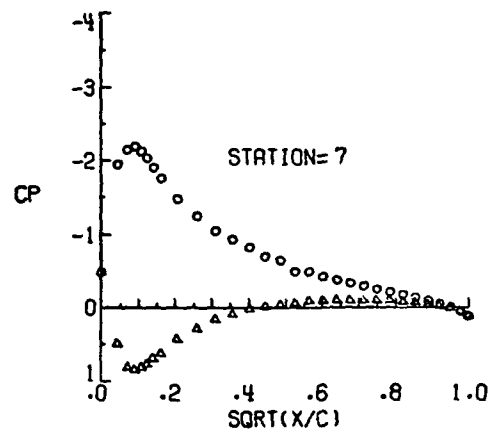
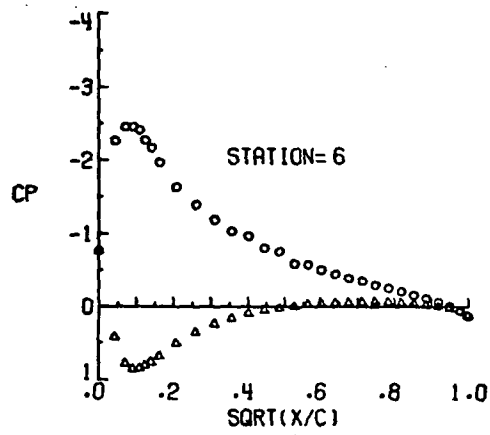
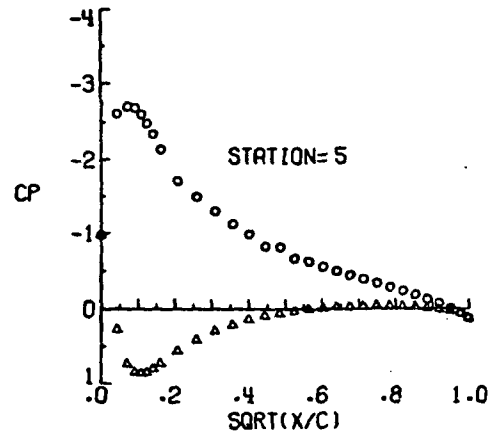
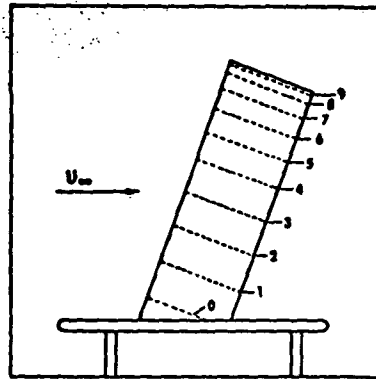
UPPER- O LOWER- Δ



(h) $\alpha = 8.81^\circ$

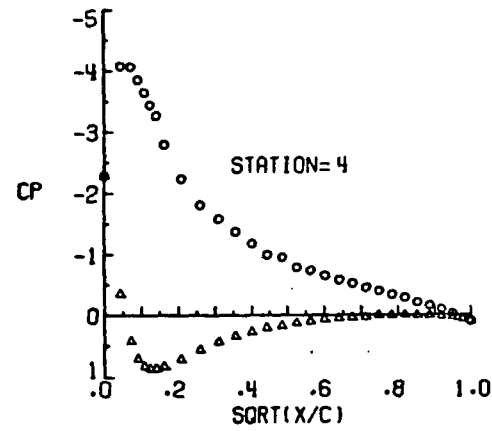
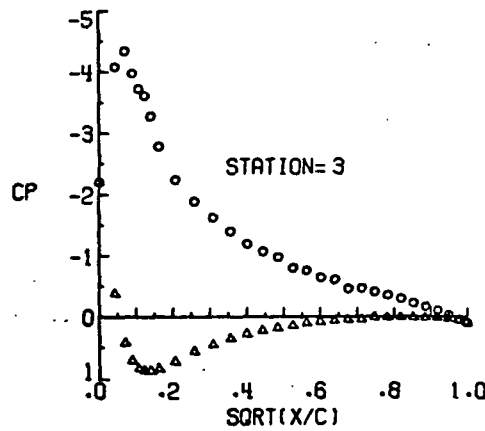
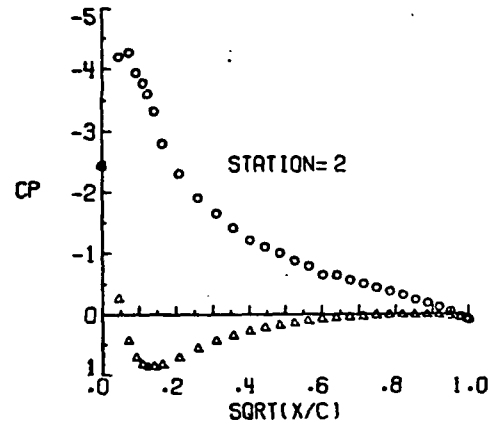
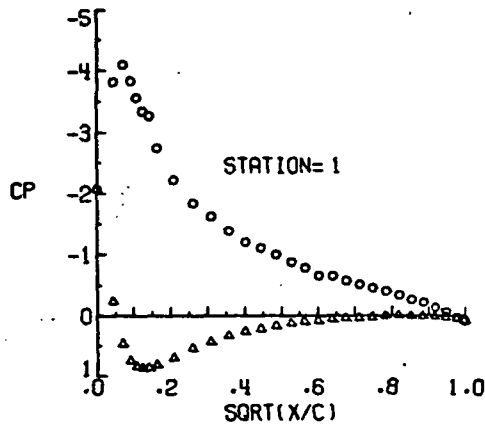
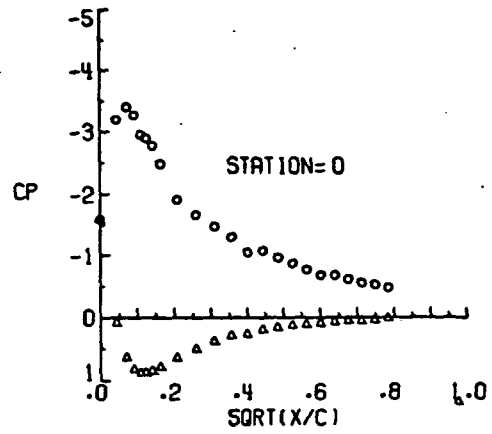
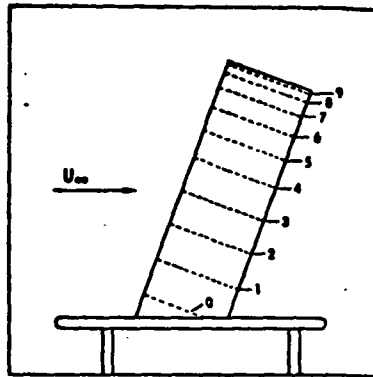
Figure 4. - Continued.

UPPER- O LOWER- Δ



(h) Concluded.
Figure 4 . - Continued.

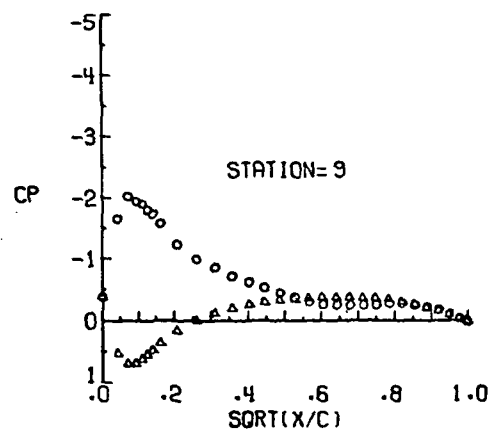
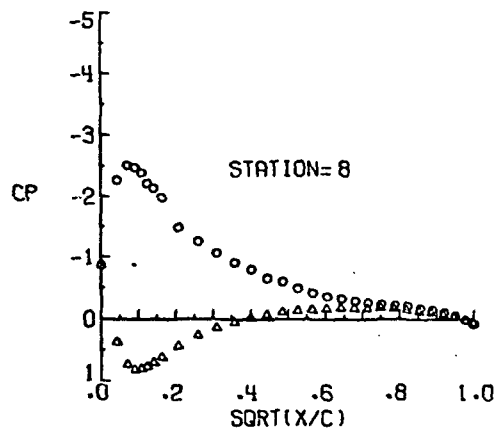
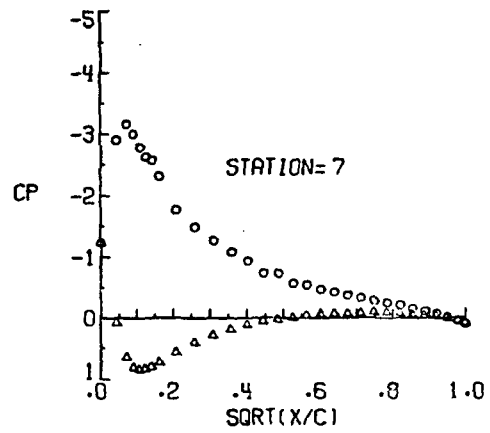
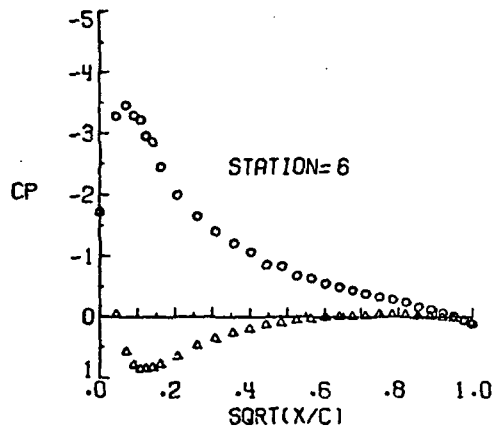
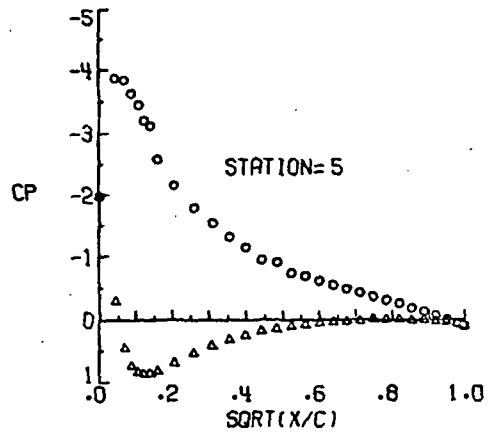
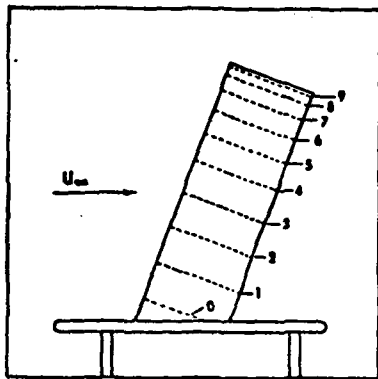
UPPER- O LOWER- Δ



(i) $\alpha = 10.93^\circ$

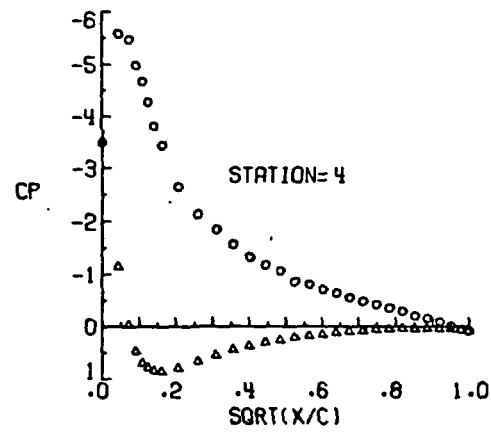
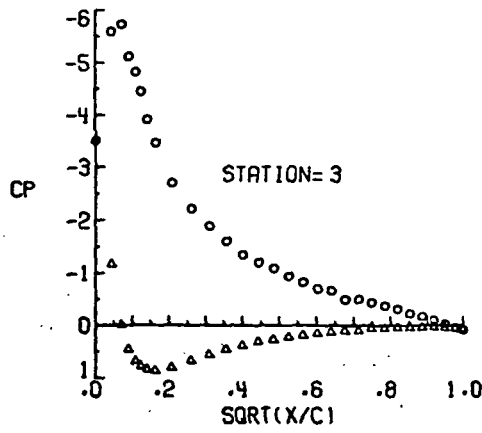
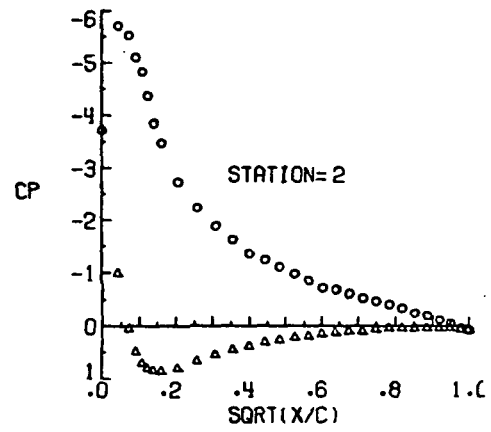
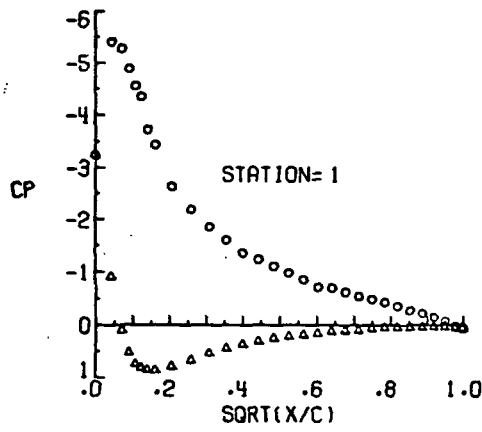
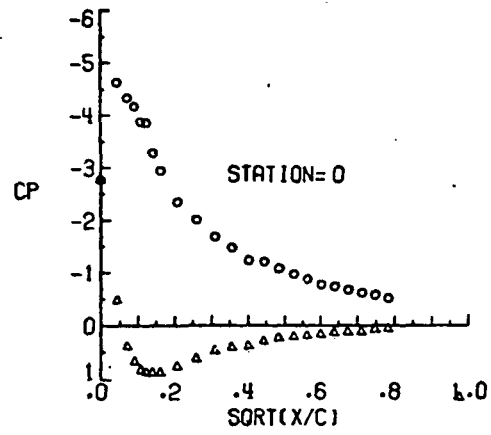
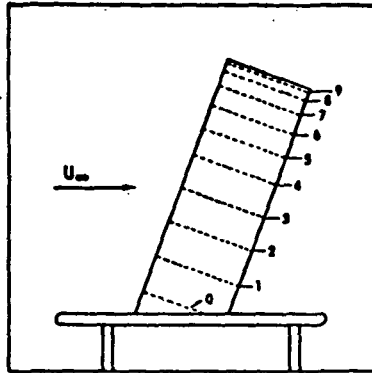
Figure 4. - Continued.

UPPER- O LOWER- Δ



(i) Concluded.
Figure 4 . - Continued.

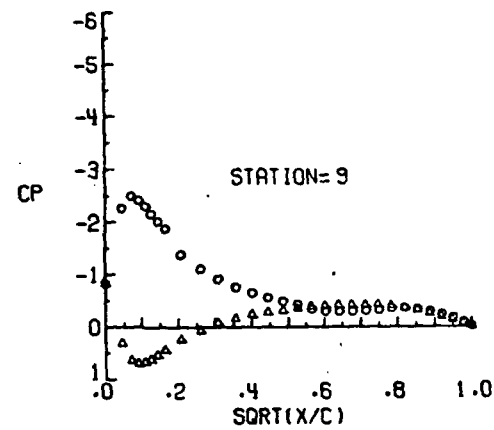
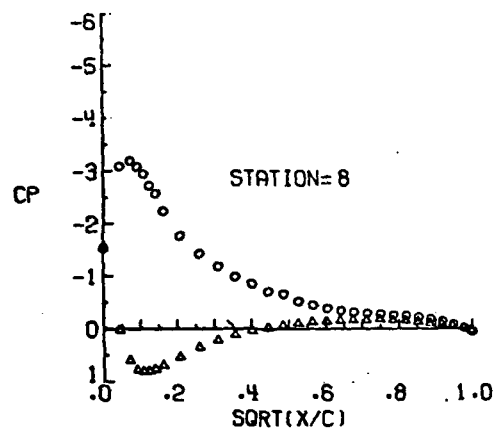
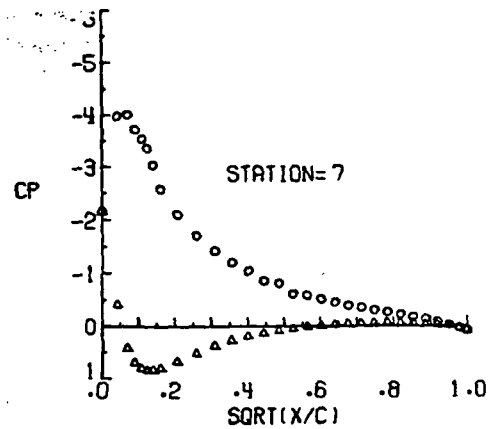
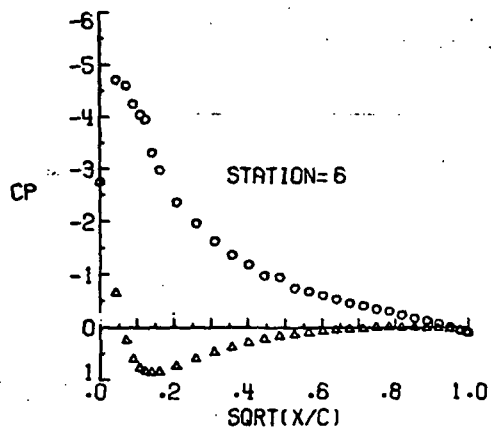
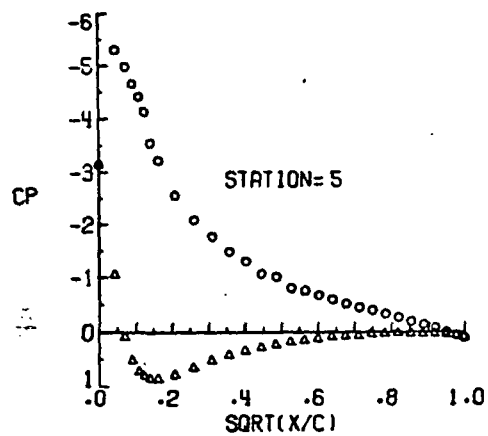
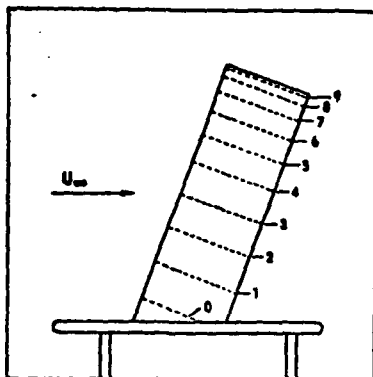
UPPER- O LOWER- Δ



(j) $\alpha = 13.02^\circ$

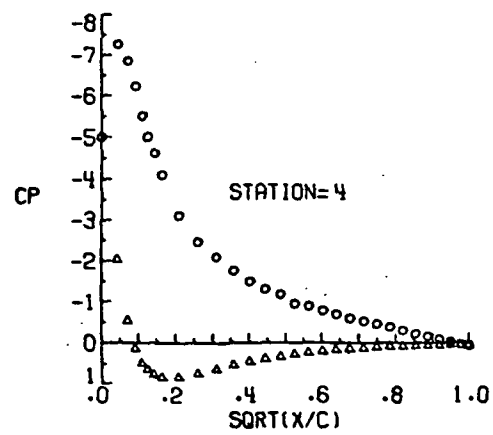
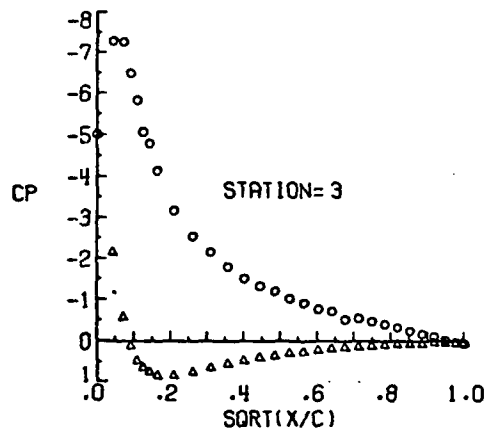
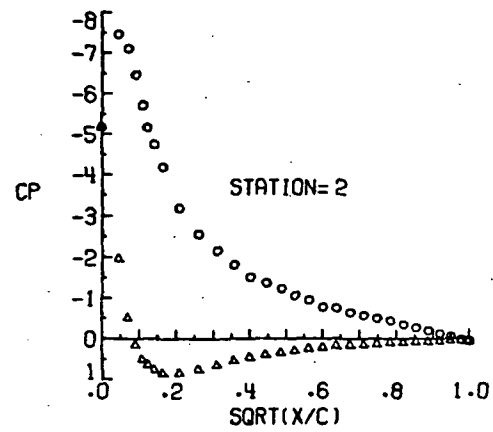
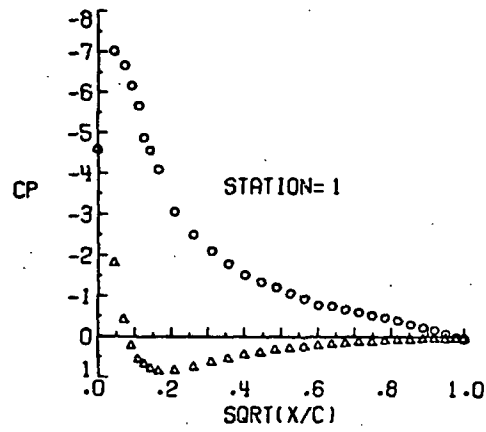
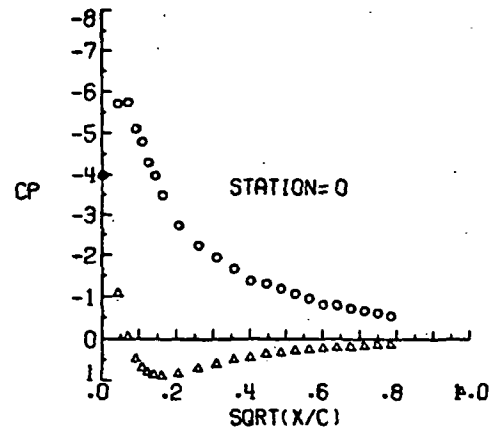
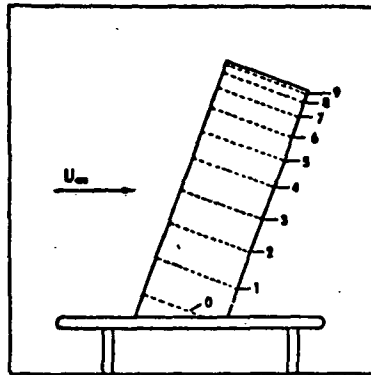
Figure 4. - Continued.

UPPER- O LOWER- Δ



(j) Concluded.
Figure 4. - Continued.

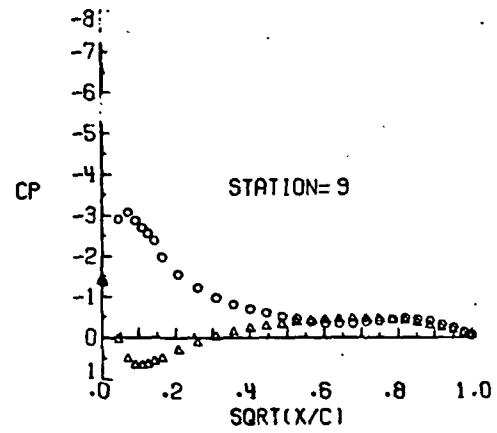
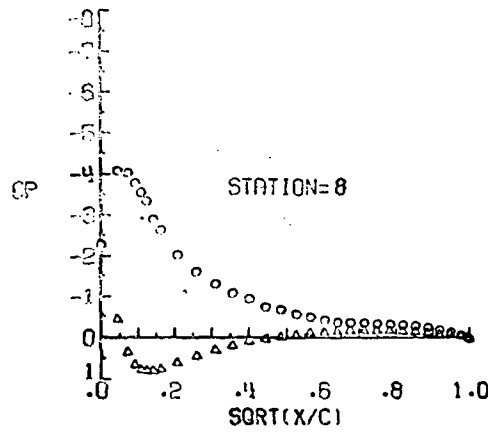
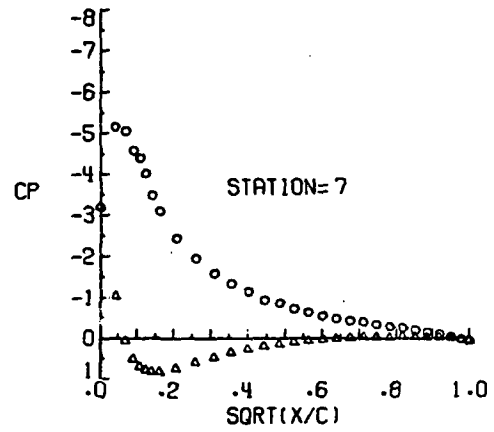
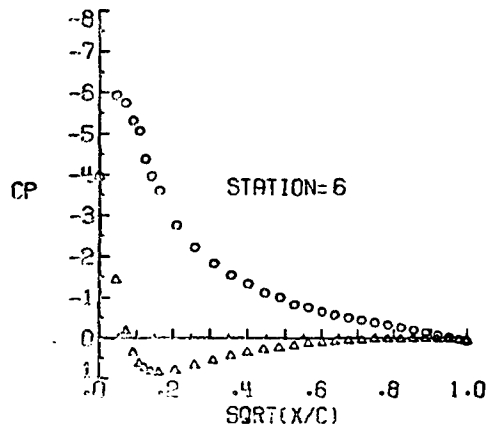
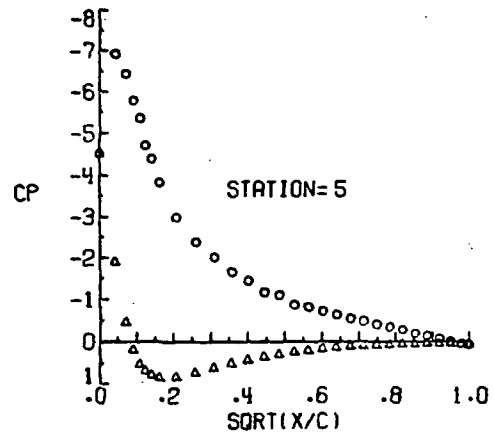
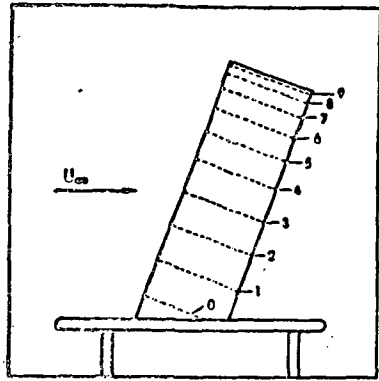
UPPER- O LOWER- Δ



(k) $\alpha = 15.09^\circ$

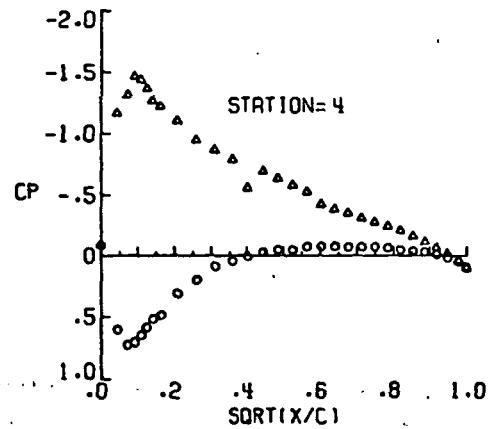
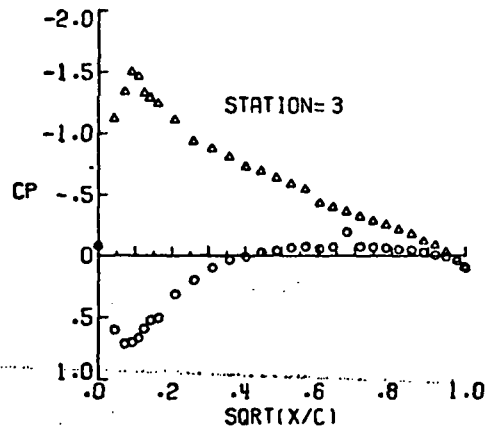
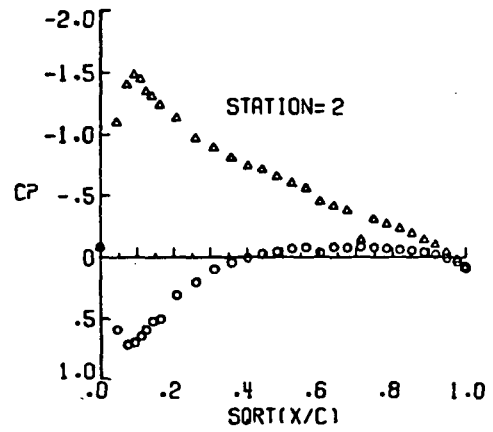
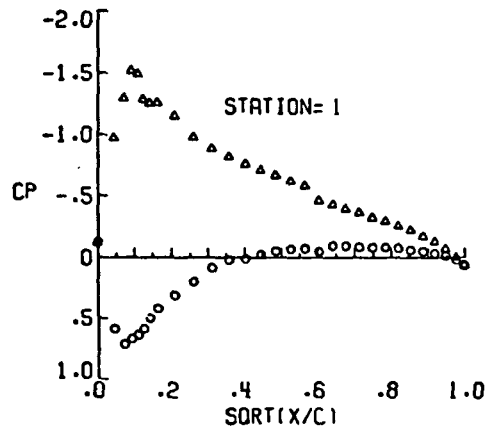
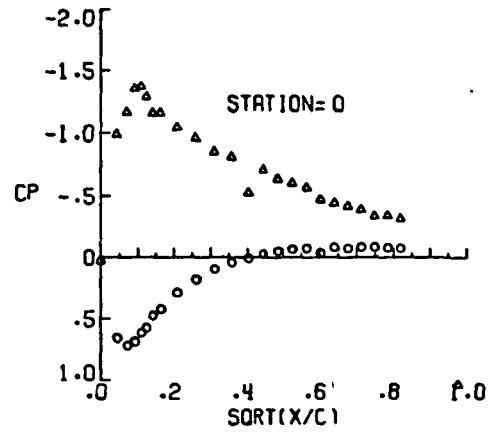
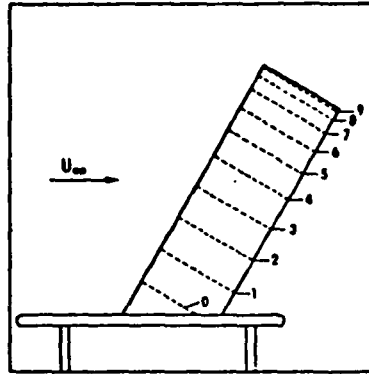
Figure 4. - Continued.

UPPER- O LOWER- Δ



(k) Concluded.
Figure 4. - Concluded.

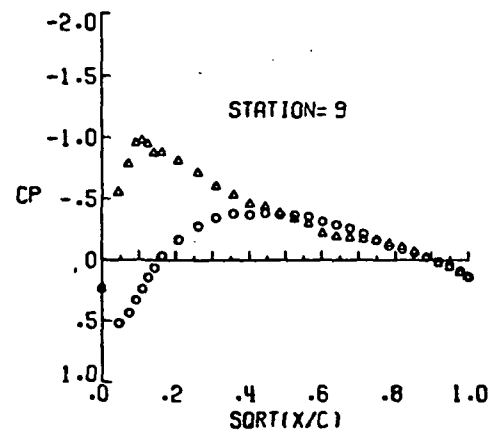
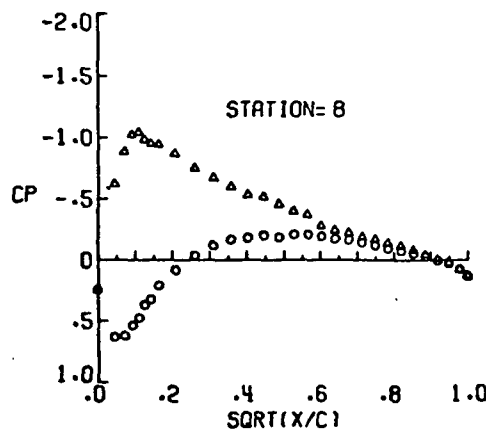
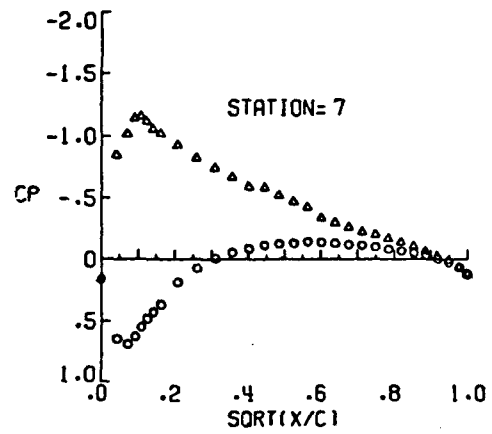
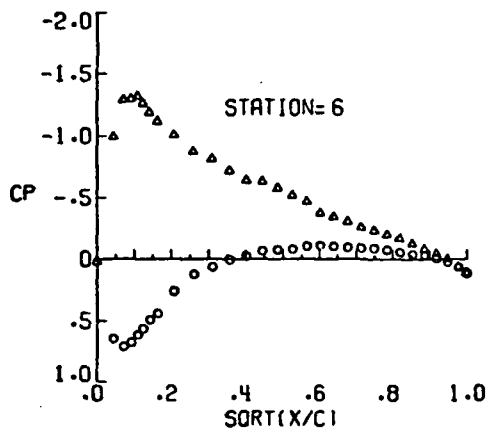
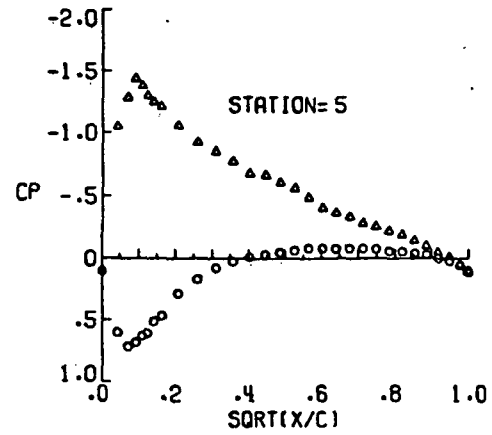
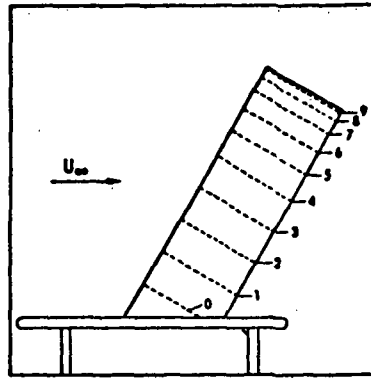
UPPER- O LOWER- Δ



(a) $\alpha = -5.84^\circ$

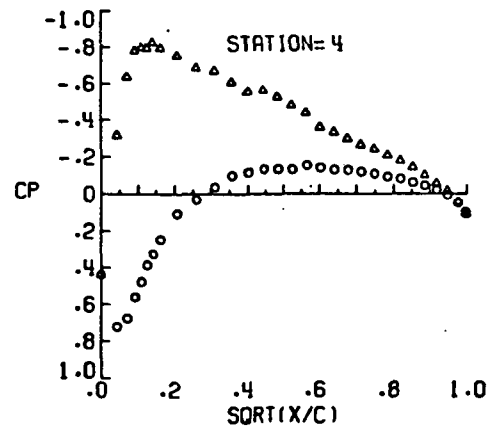
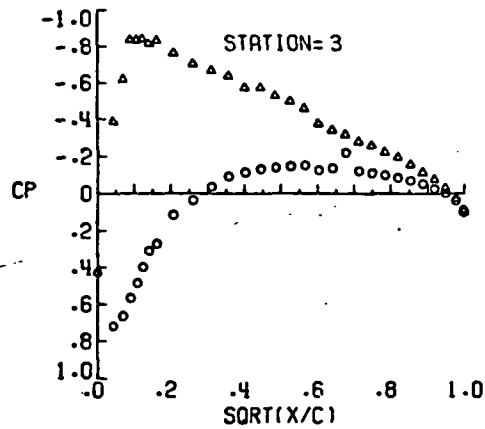
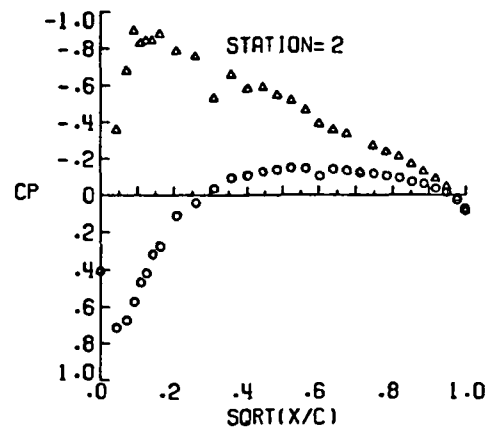
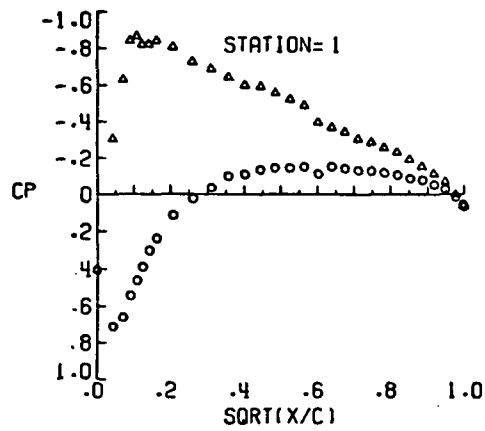
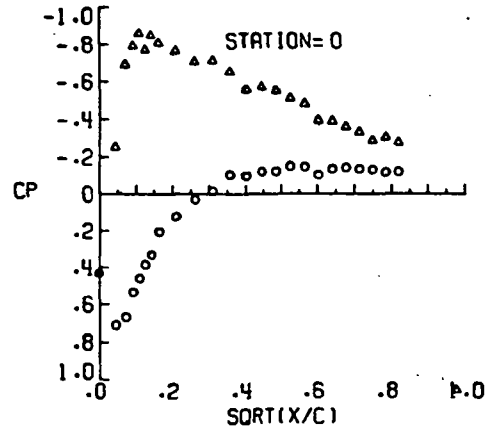
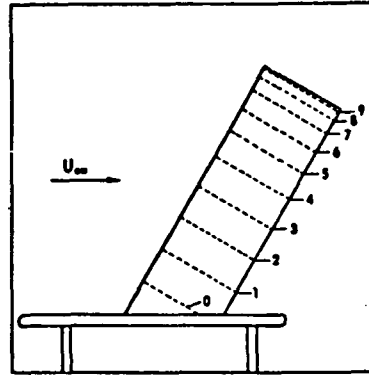
Figure 5. - Pressure distributions at 30° sweep.

UPPER- $\circ$ LOWER- Δ



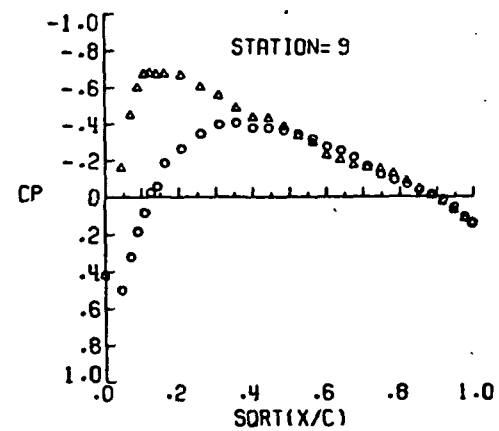
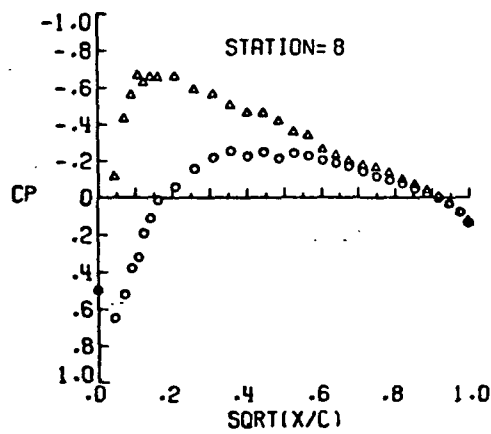
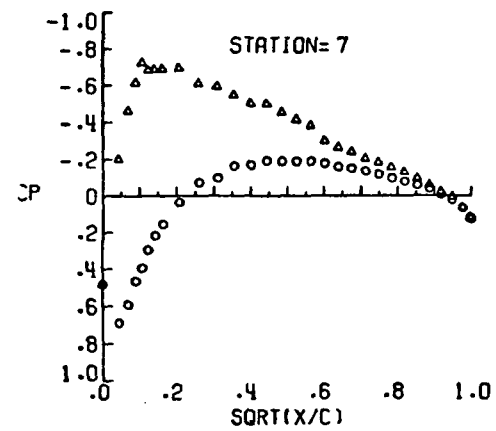
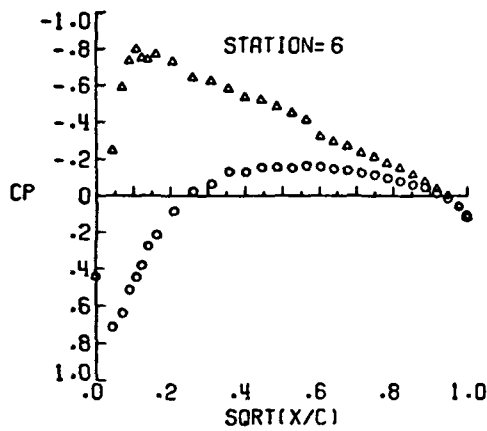
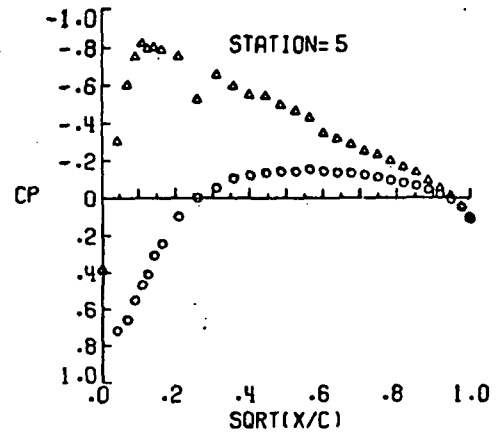
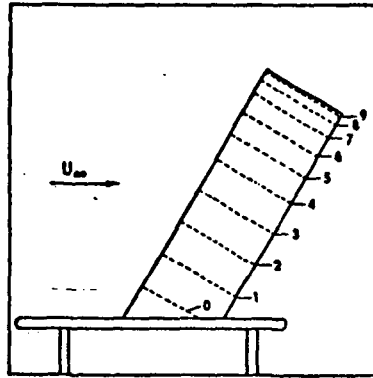
(a) Concluded.
Figure 5. - Continued.

UPPER- O LOWER- Δ



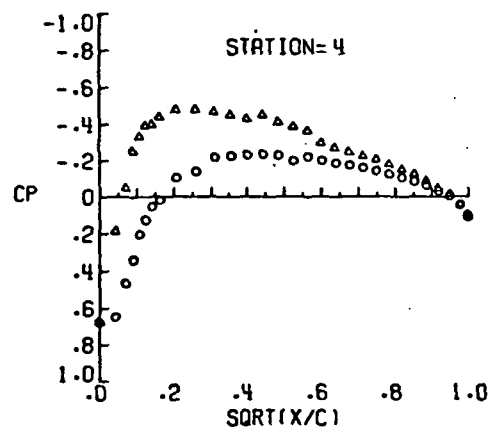
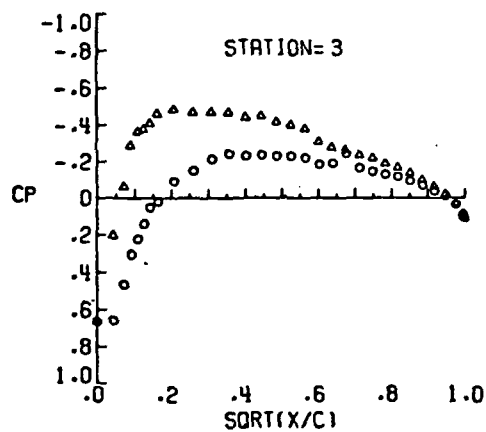
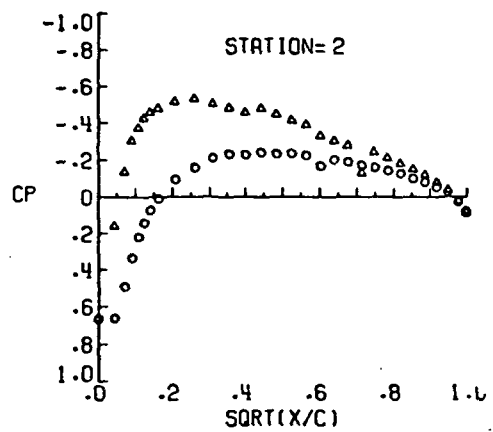
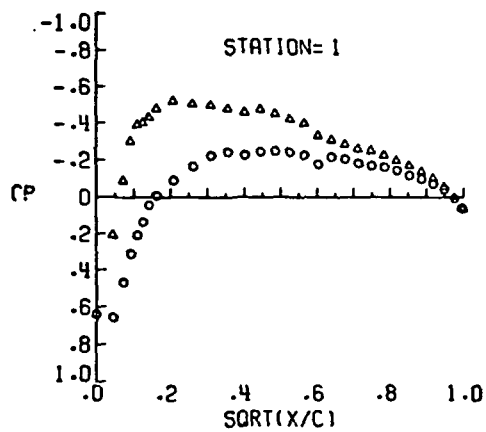
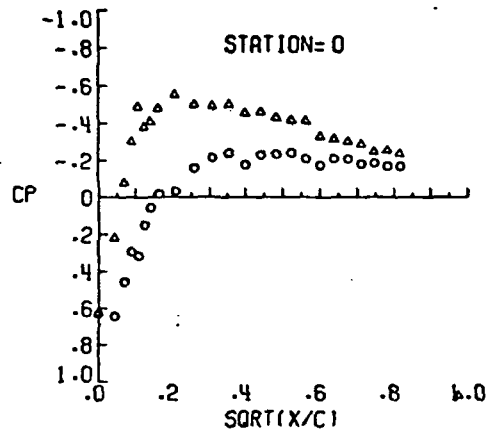
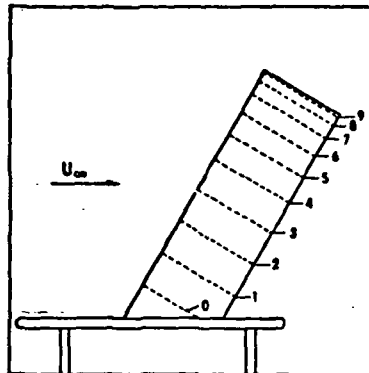
(b) $\alpha = -3.76^\circ$
Figure 5.- Continued.

UPPER- O LOWER- Δ



(b) Concluded.
Figure 5. - Continued.

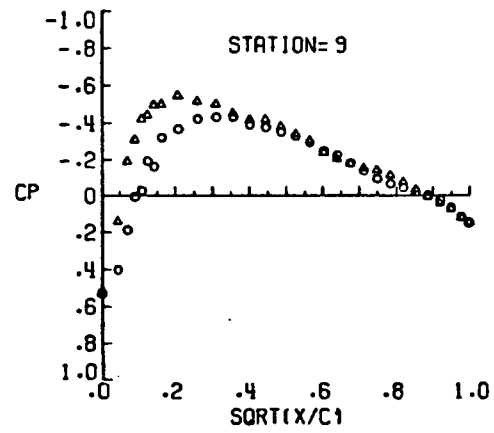
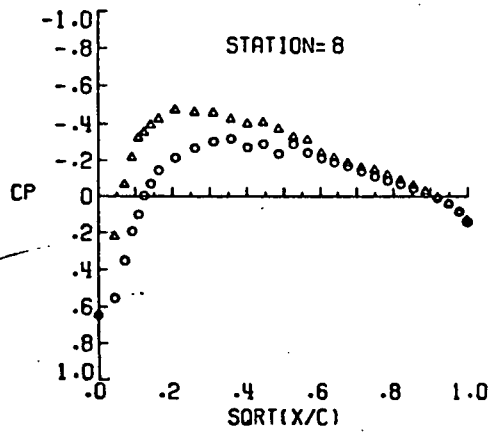
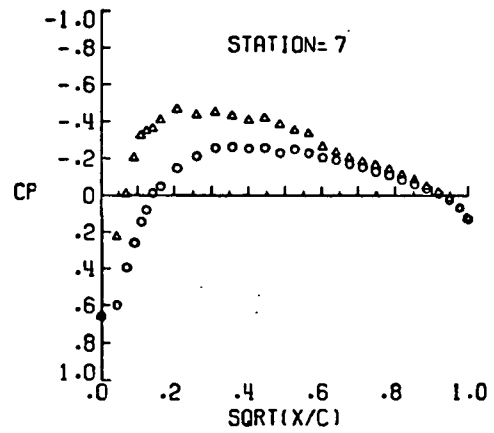
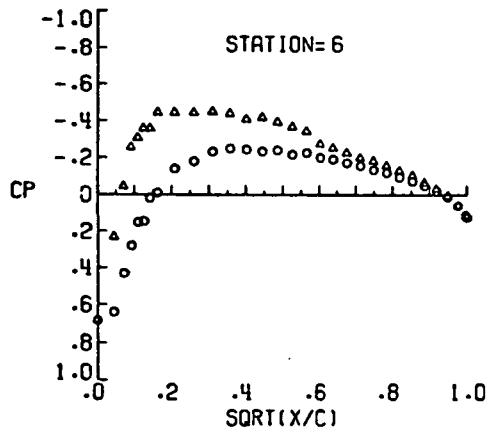
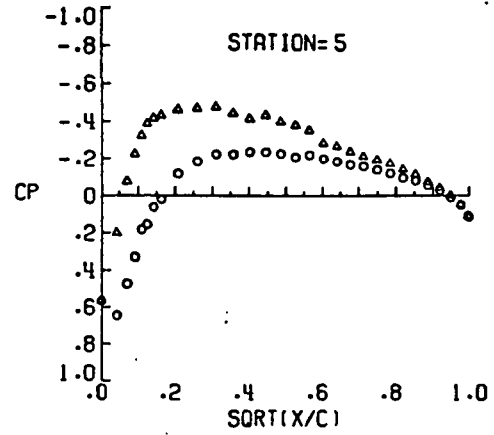
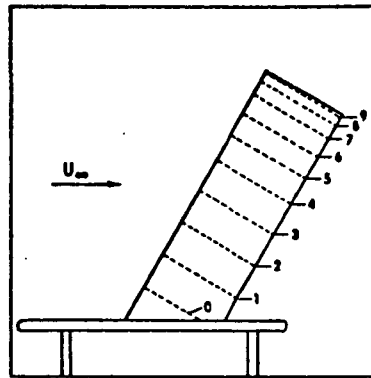
UPPER- O LOWER- Δ



(c) $\alpha = -1.67^\circ$

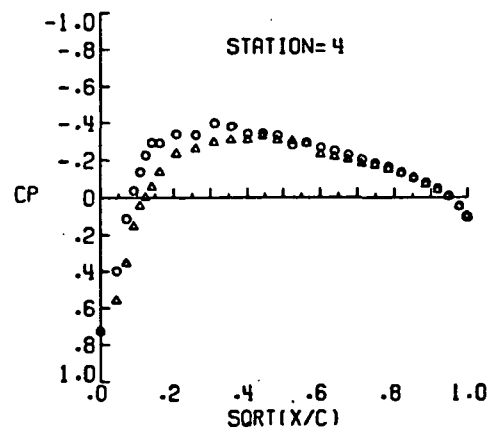
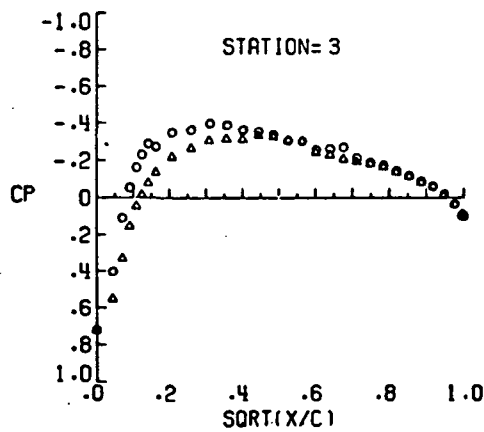
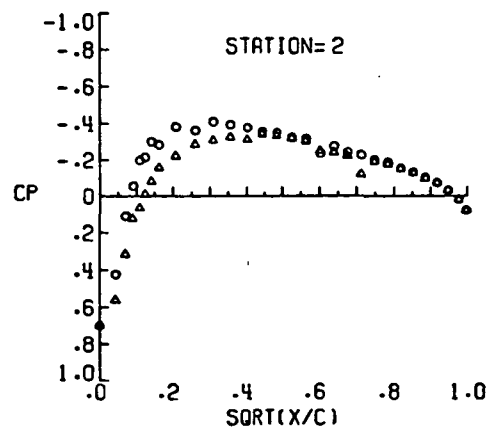
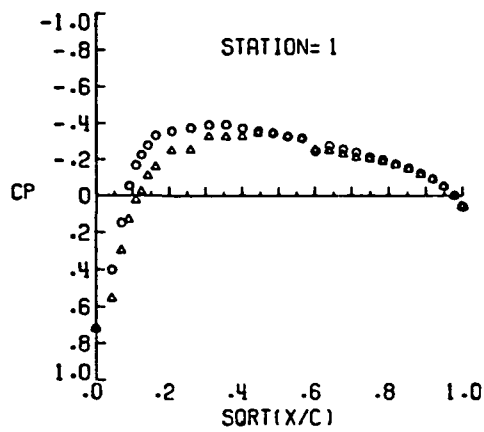
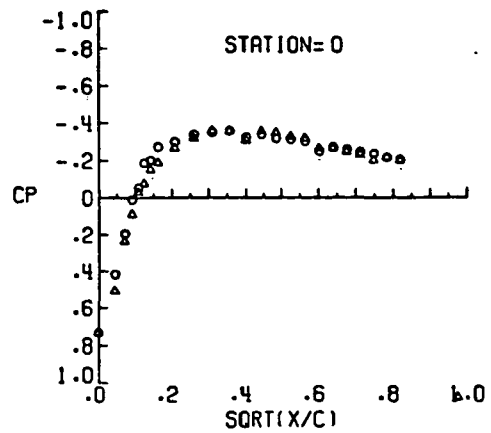
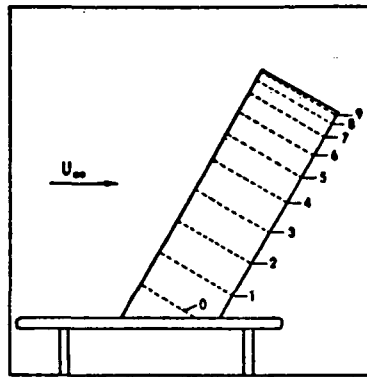
Figure 5. - Continued.

UPPER- $\circ$ LOWER- Δ



(c) Concluded.
Figure 5. - Continued.

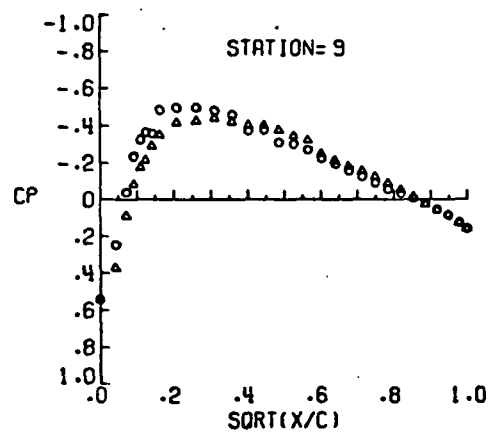
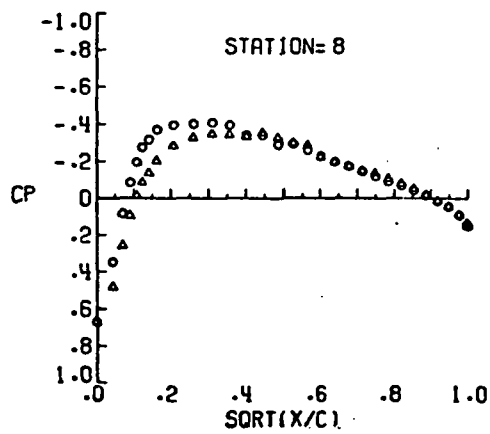
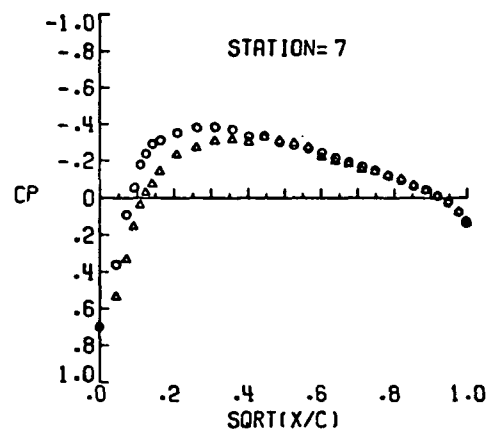
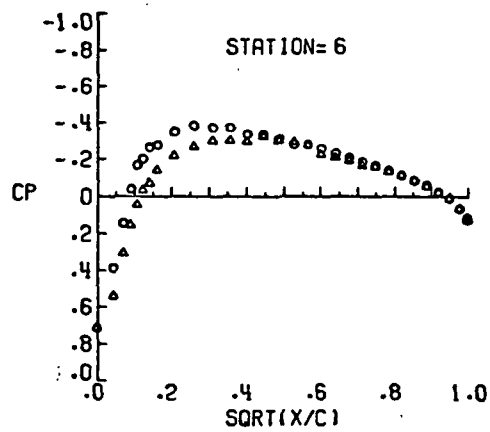
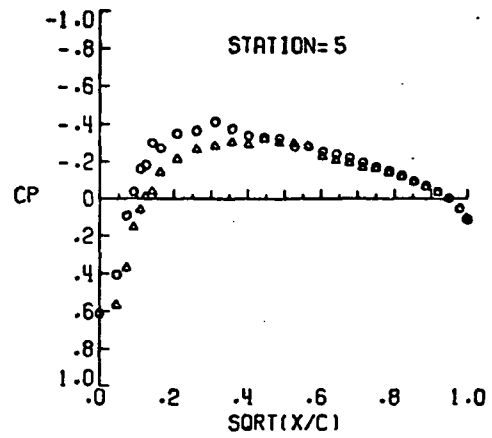
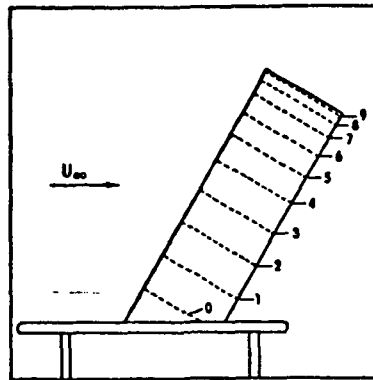
UPPER- O LOWER- Δ



(d) $\alpha = 0.41^\circ$

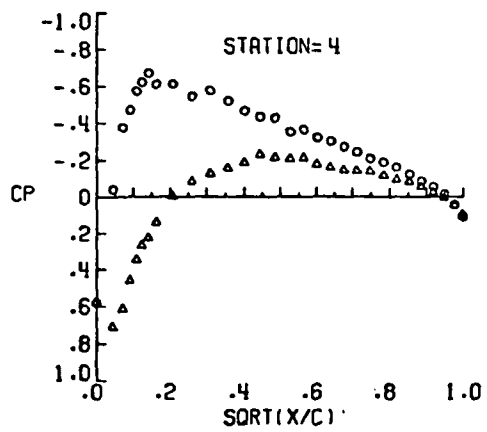
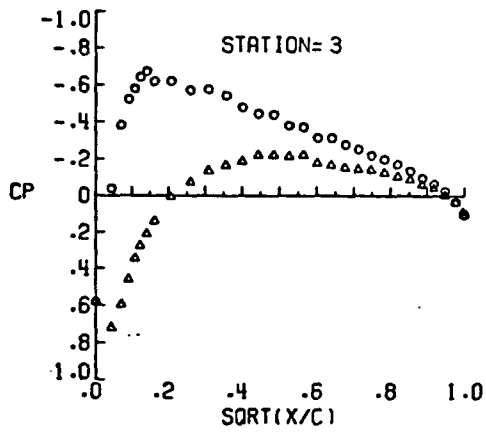
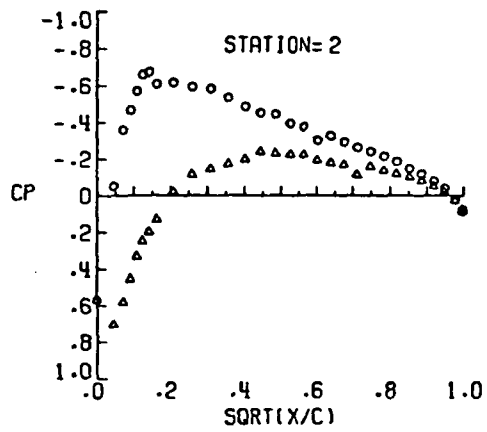
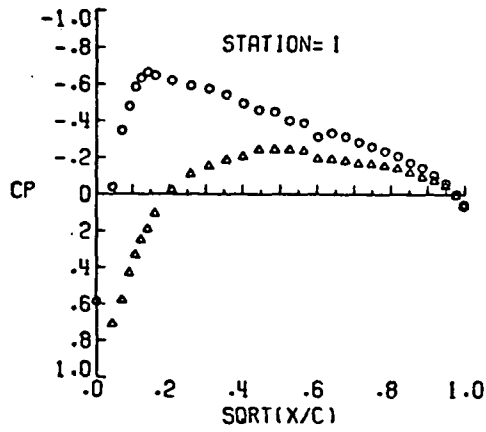
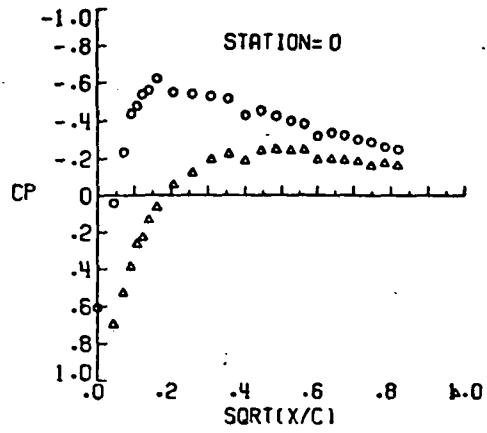
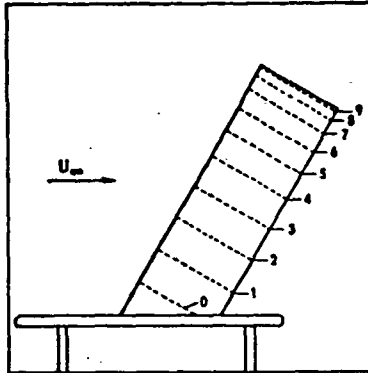
Figure 5. - Continued.

UPPER- O LOWER- Δ



(d) Concluded.
Figure 5. - Continued.

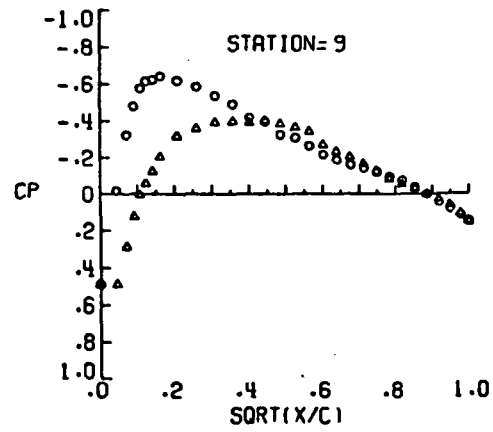
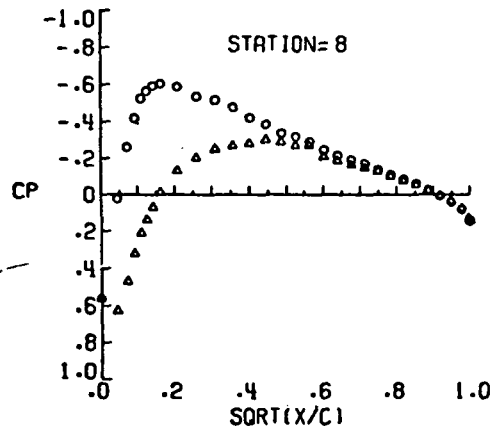
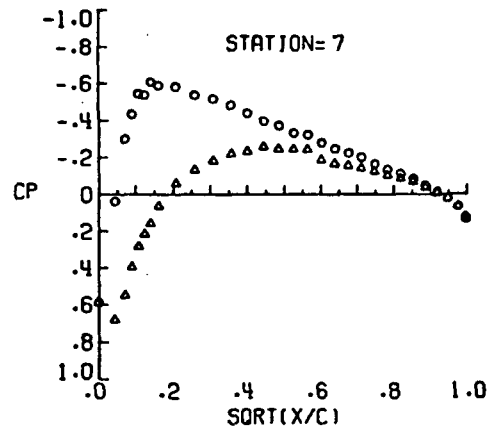
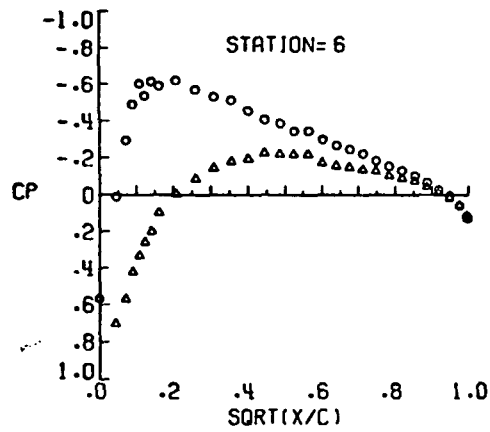
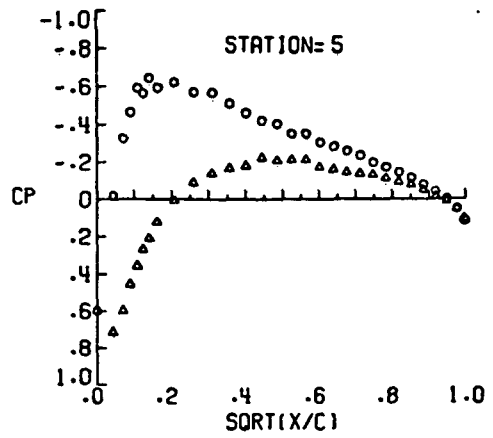
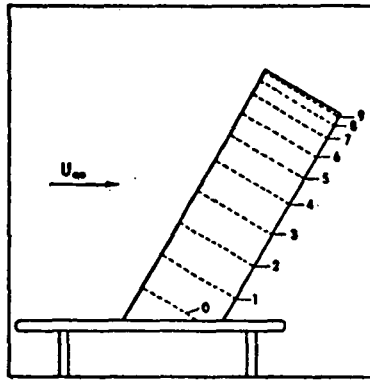
UPPER- O LOWER- Δ



(e) $\alpha = 2.52^\circ$

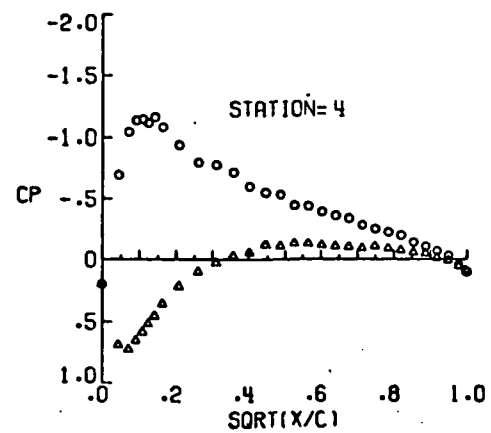
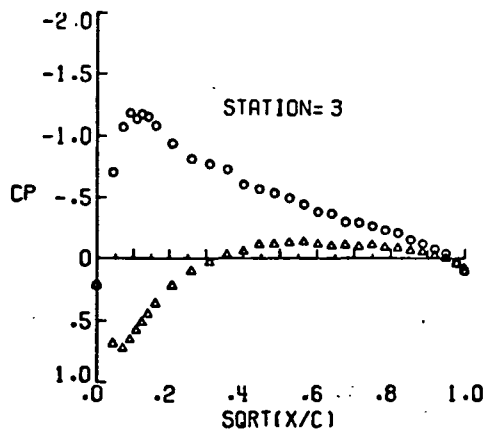
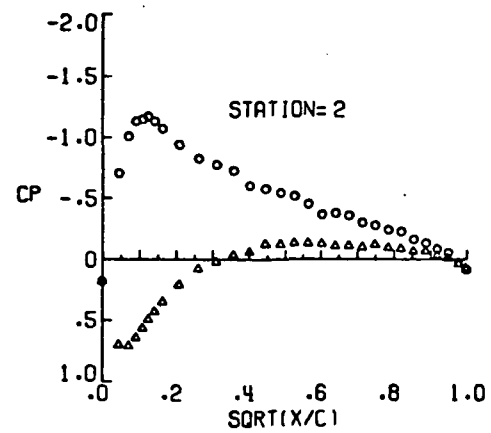
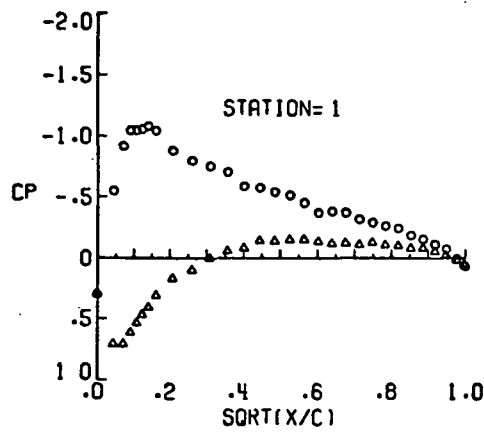
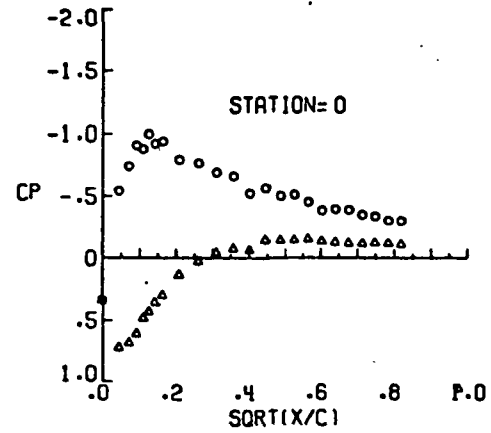
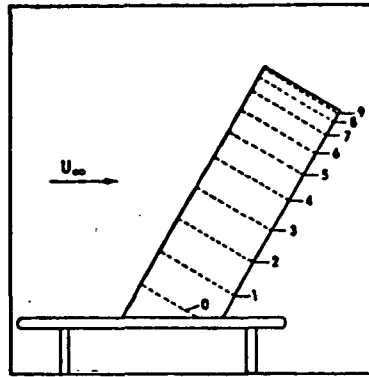
Figure 5. - Continued.

UPPER- O LOWER- Δ



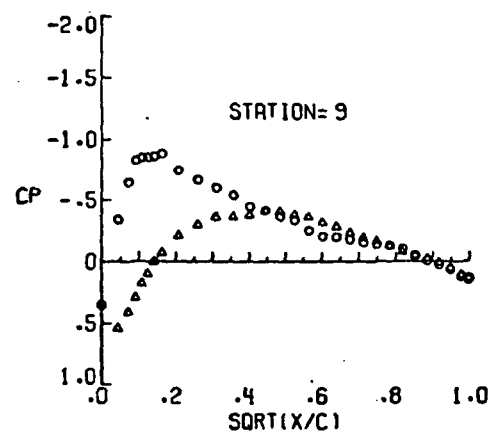
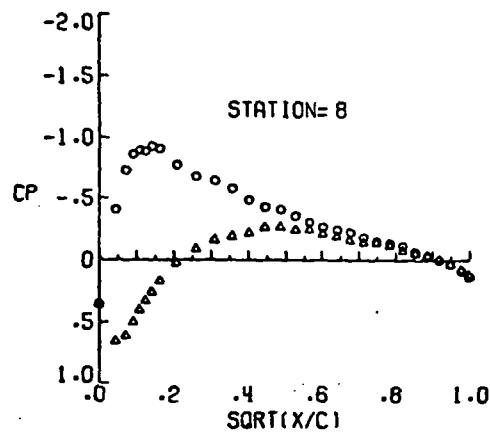
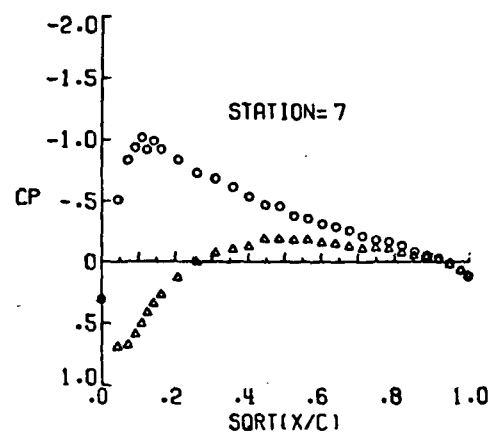
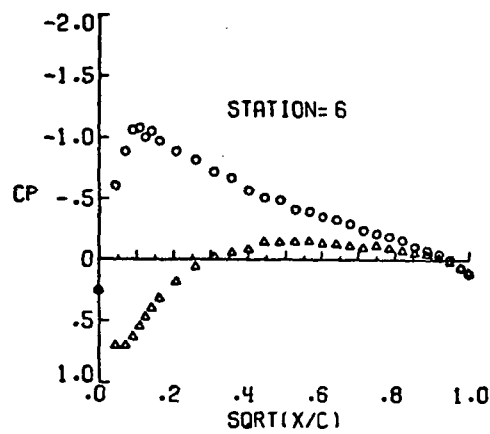
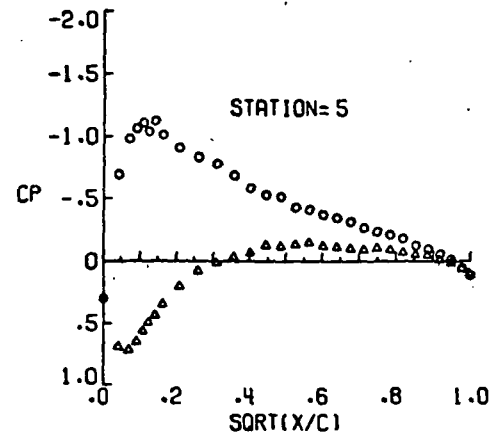
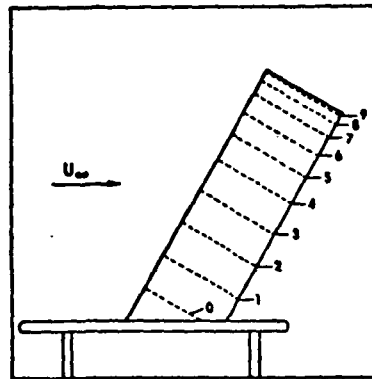
(e) Concluded.
Figure 5. - Continued.

UPPER- O LOWER- Δ



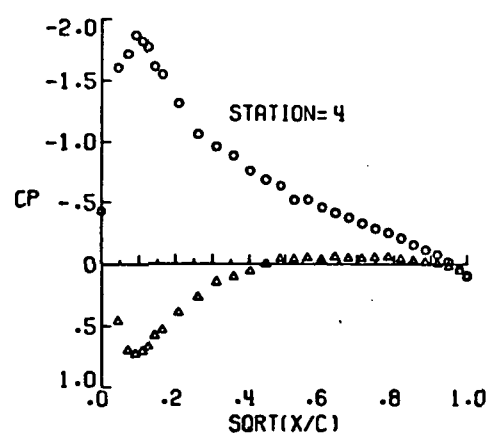
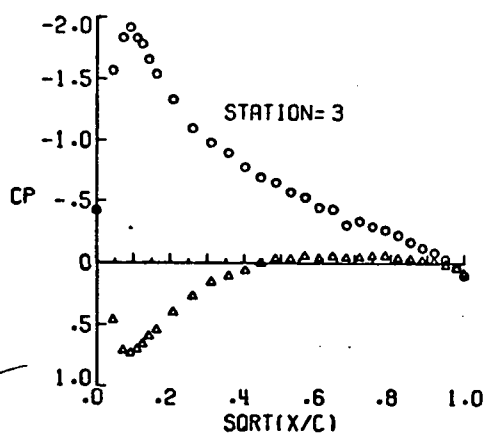
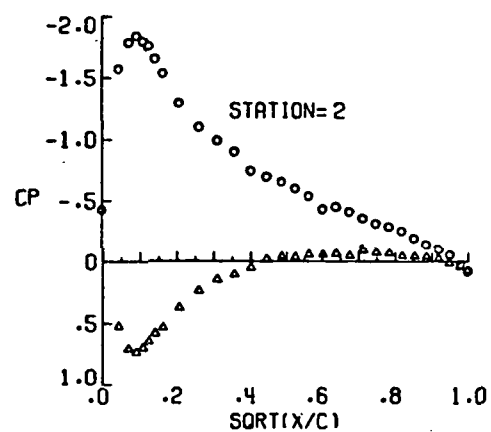
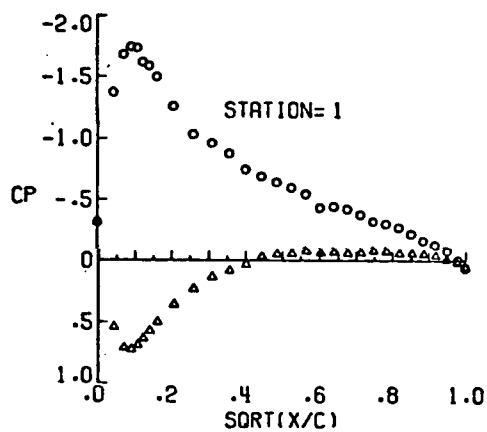
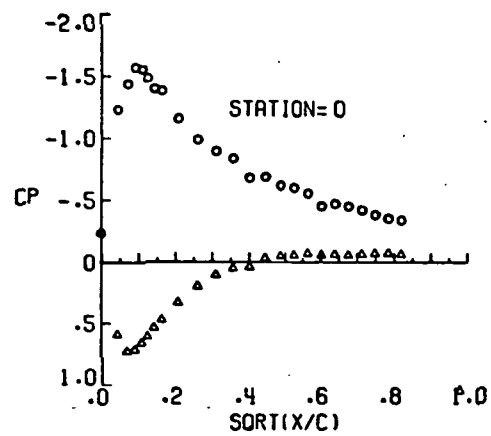
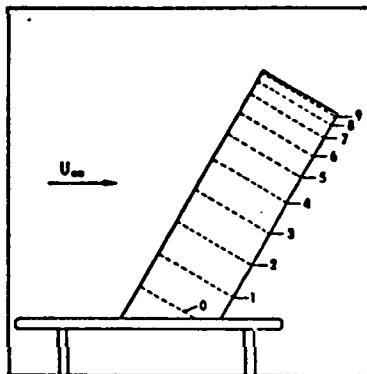
(f) $\alpha = 4.61^\circ$
Figure 5. - Continued.

UPPER- ○ LOWER- △



(f) Concluded.
Figure 5. - Continued.

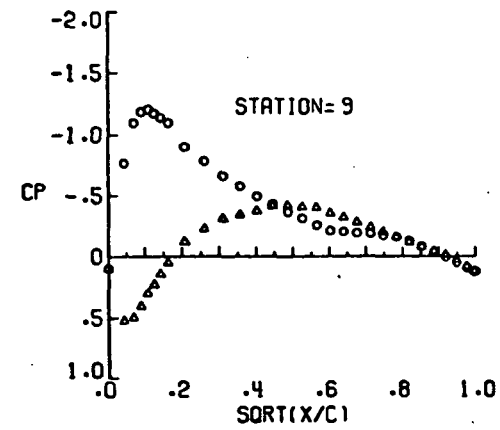
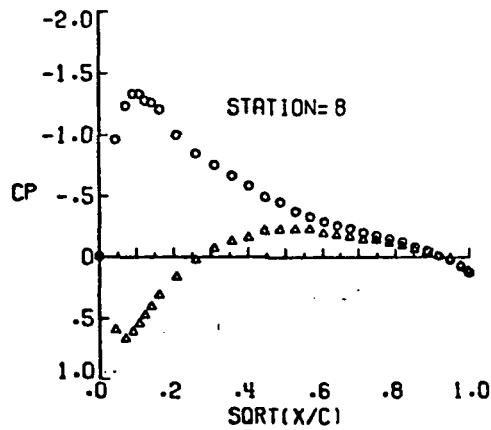
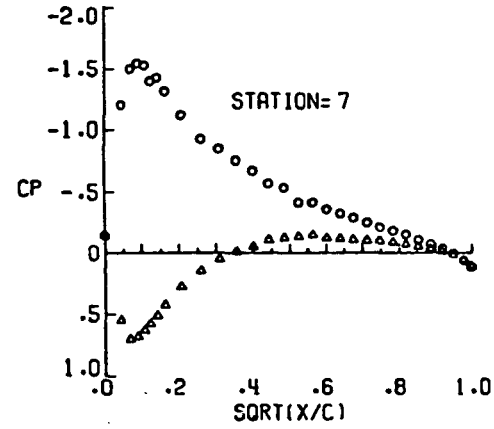
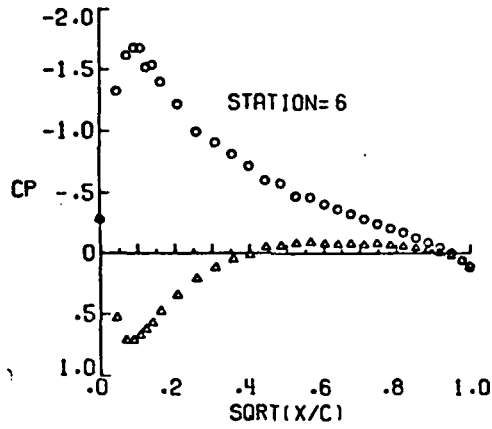
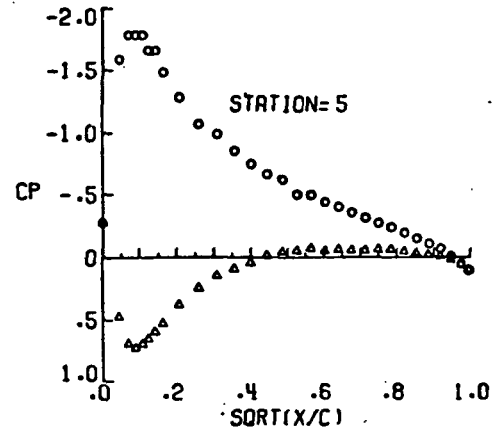
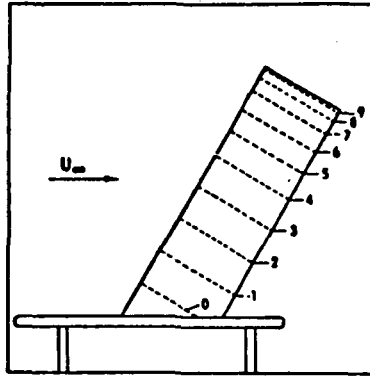
UPPER- O LOWER- Δ



(g) $\alpha = 6.68^\circ$

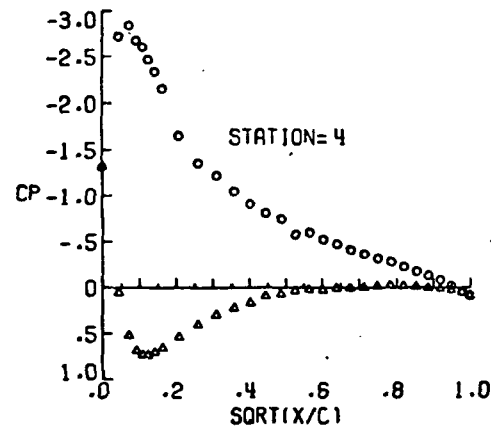
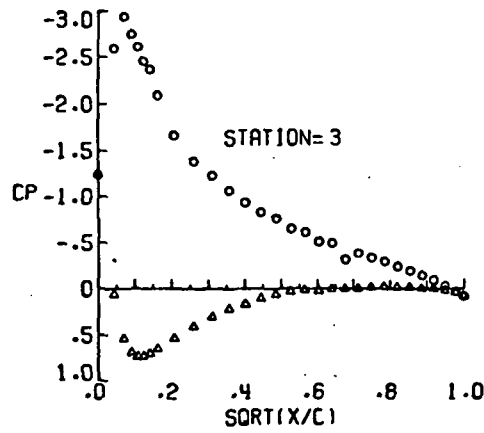
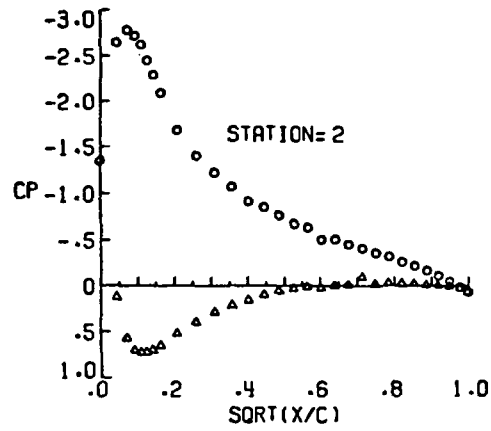
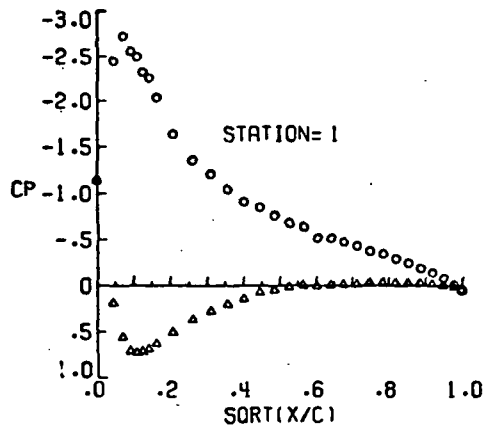
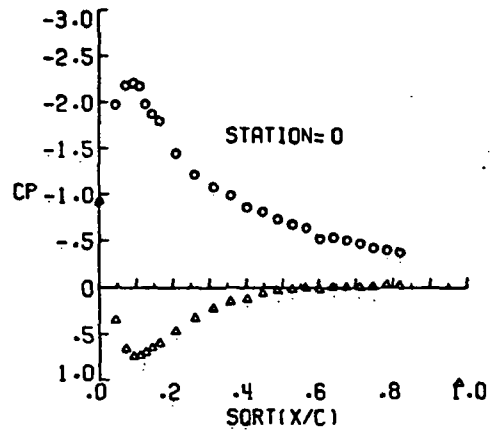
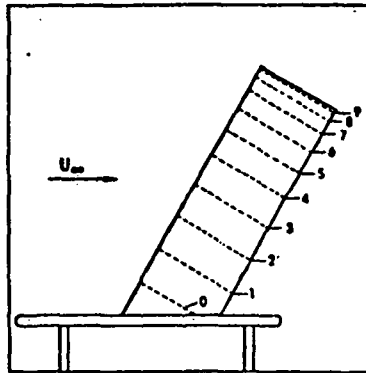
Figure 5. - Continued.

UPPER- O LOWER- Δ



(g) Concluded.
Figure 5. - Continued.

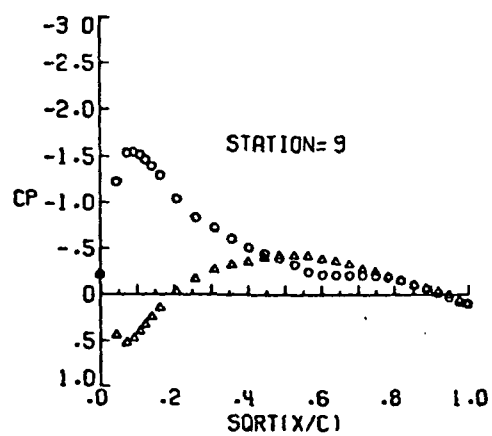
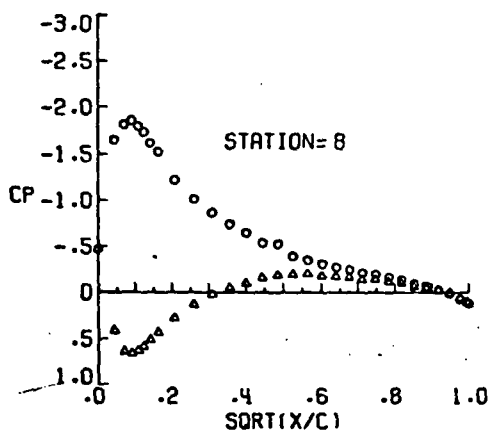
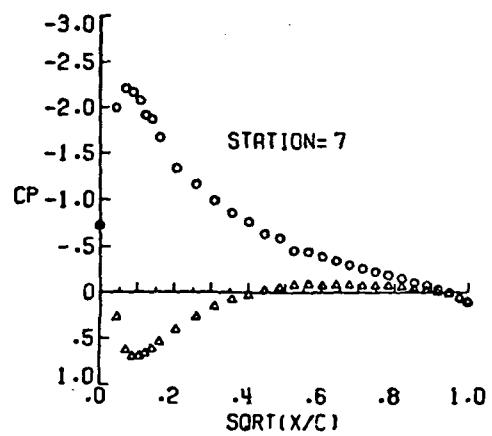
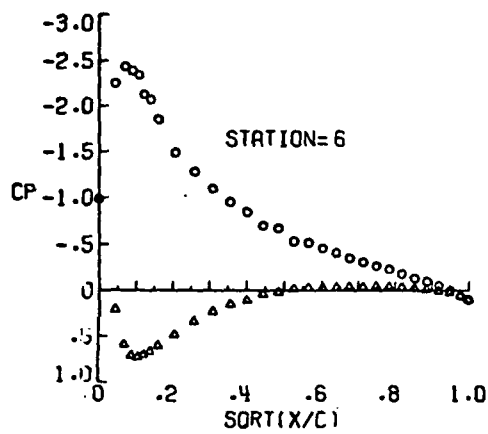
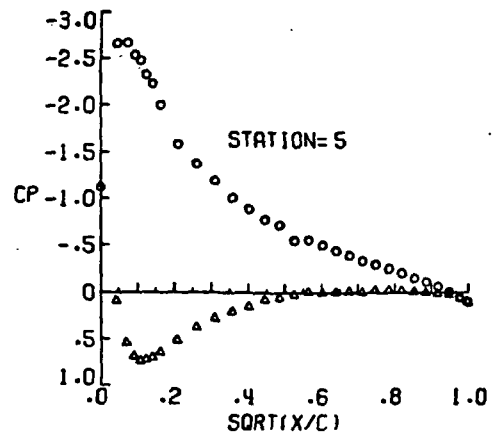
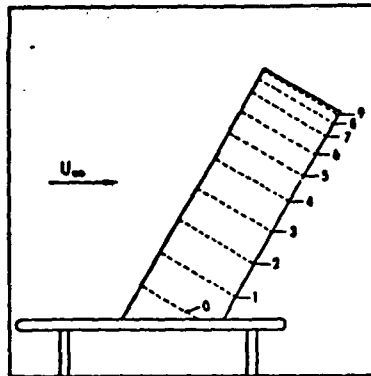
UPPER- O LOWER- Δ



(h) $\alpha = 8.78^\circ$

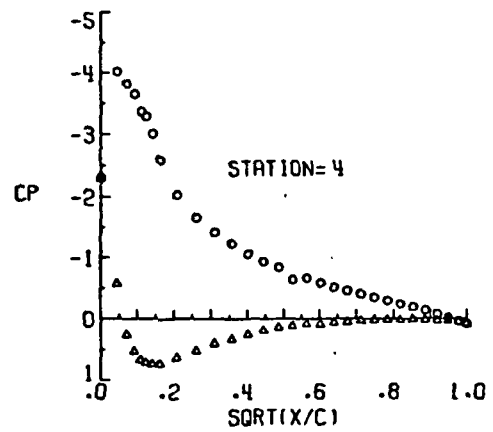
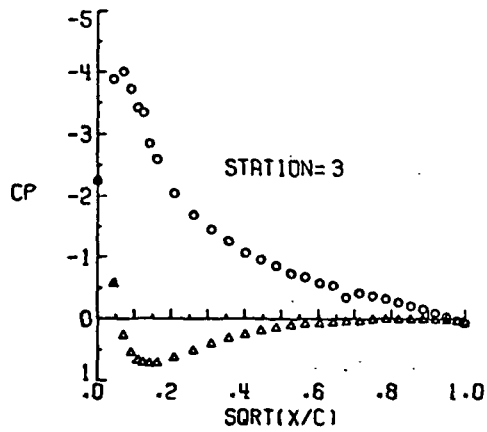
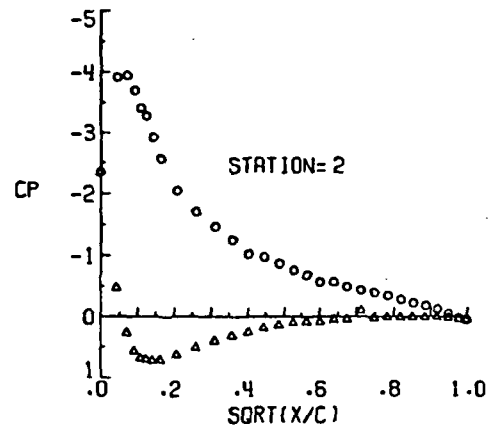
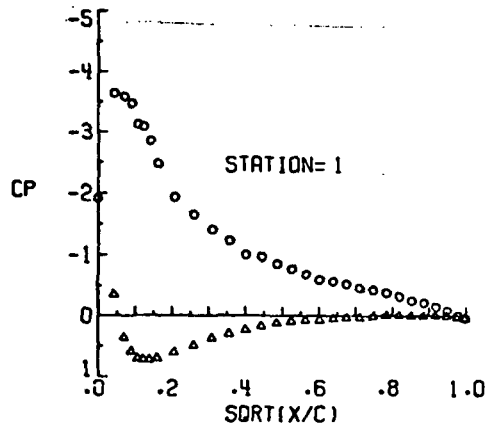
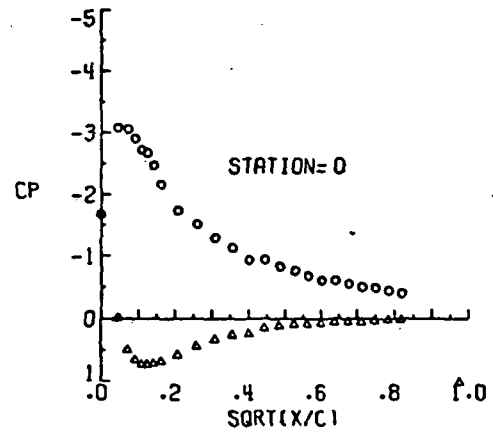
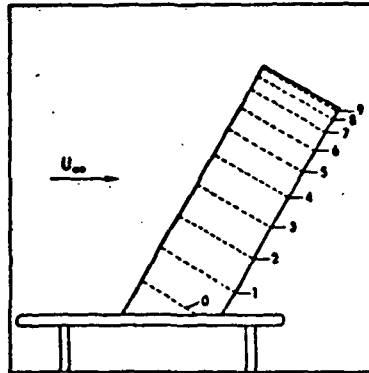
Figure 5. - Continued.

UPPER- O LOWER- Δ



(h) Concluded.
Figure 5. - Continued.

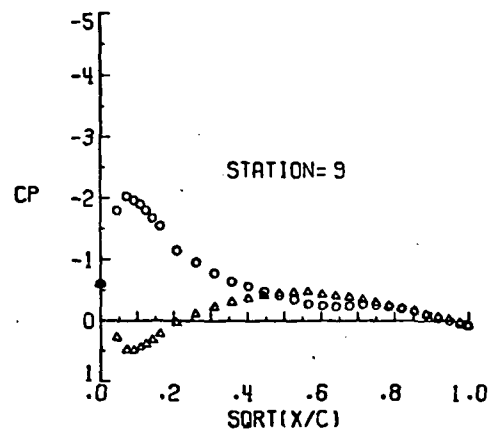
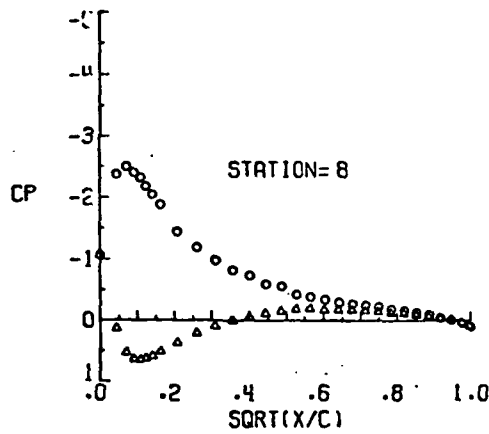
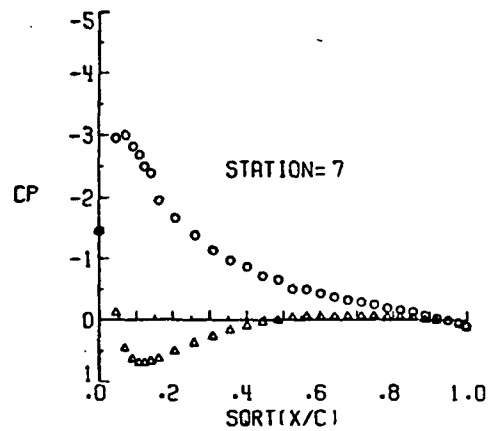
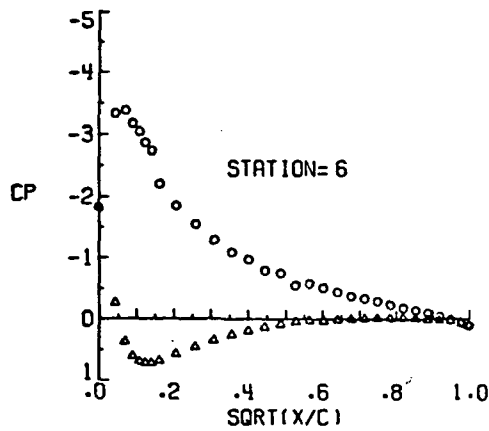
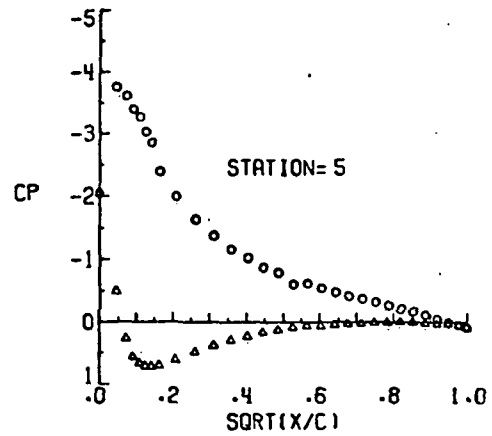
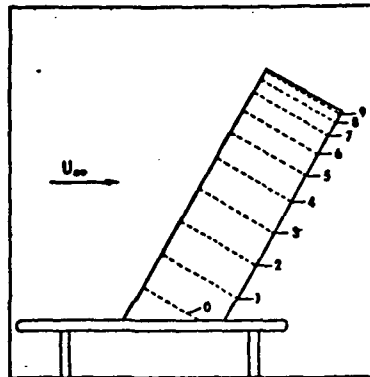
UPPER- O LOWER- Δ



(i) $\alpha = 10.89^\circ$

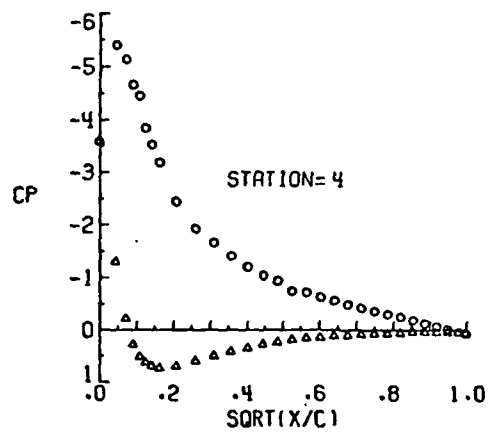
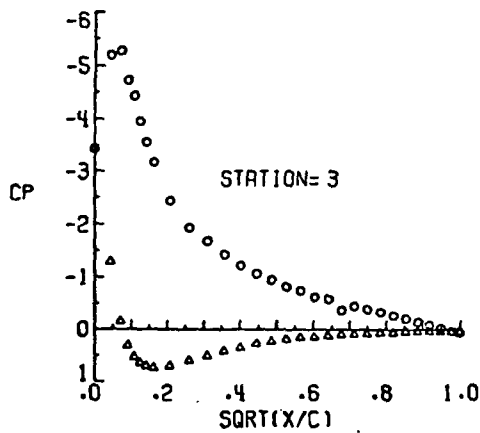
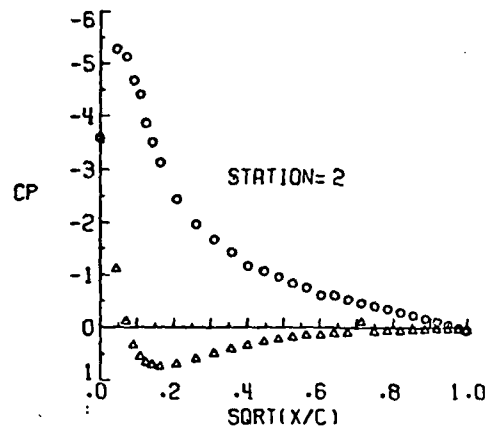
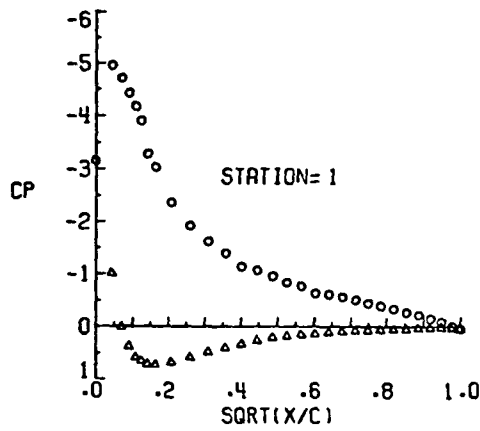
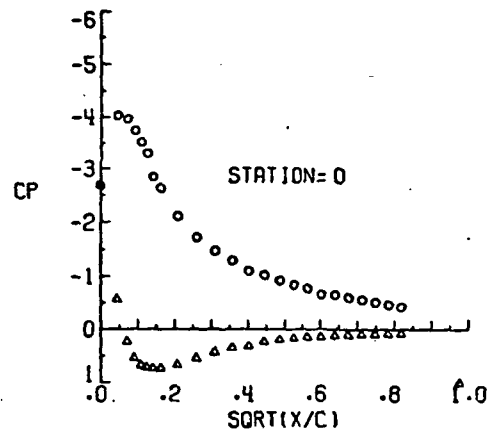
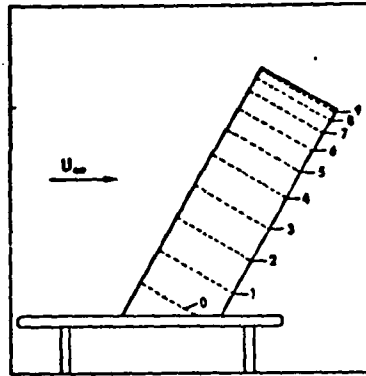
Figure 5. - Continued.

UPPER-○ LOWER-△



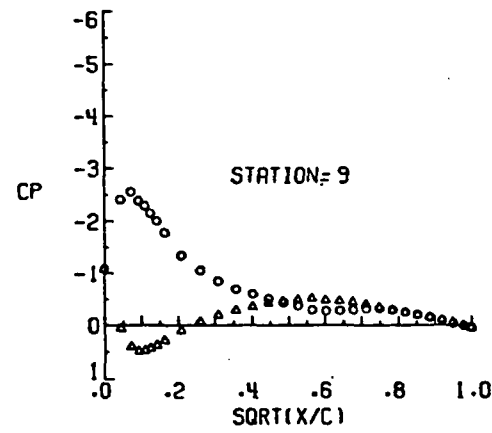
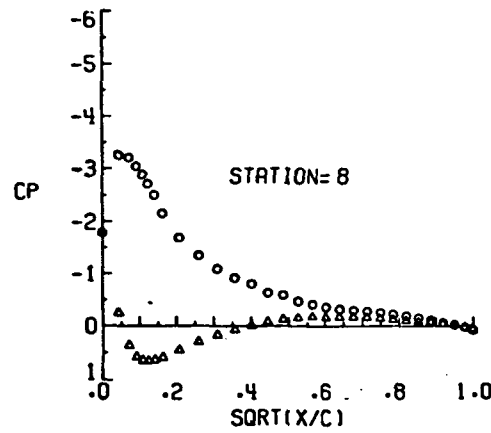
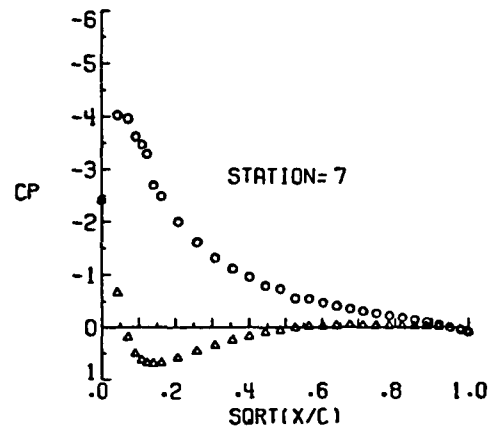
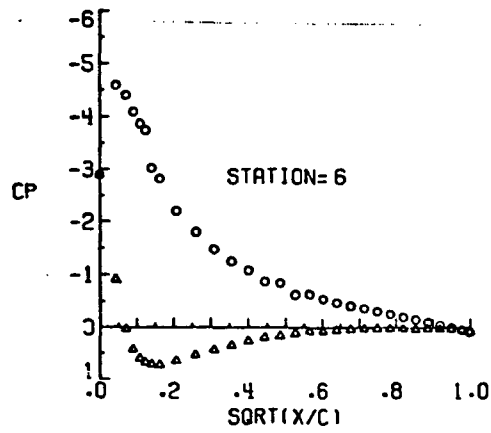
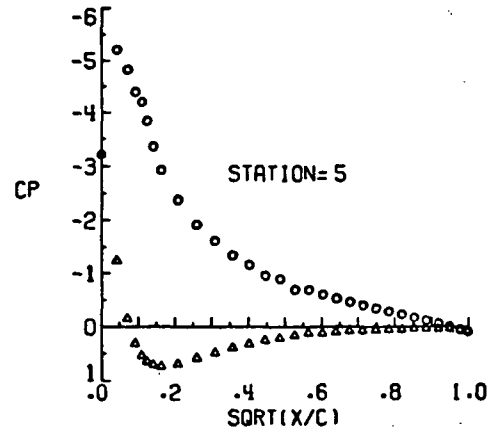
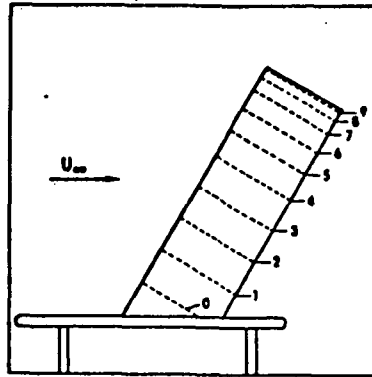
(i) Concluded.
Figure 5. - Continued.

UPPER- O LOWER- Δ



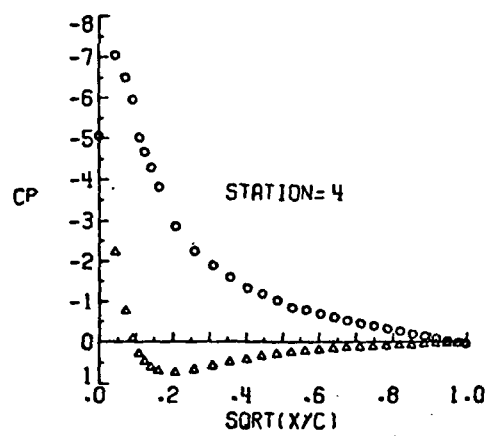
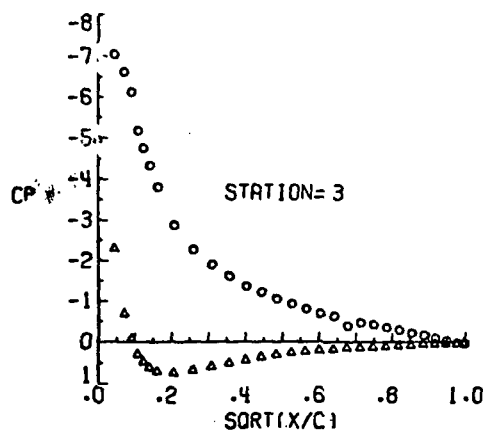
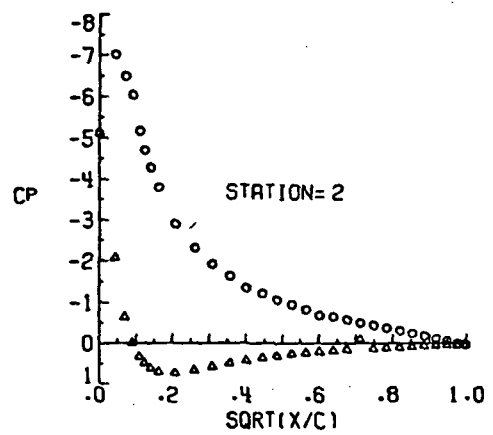
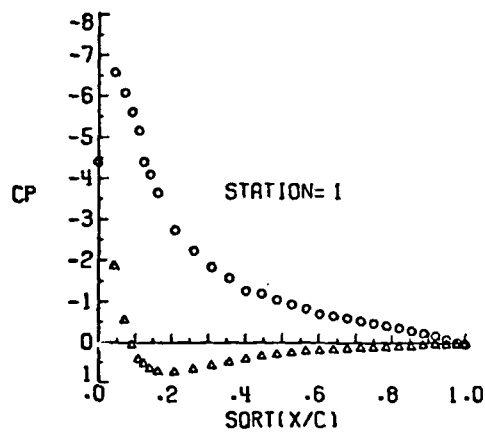
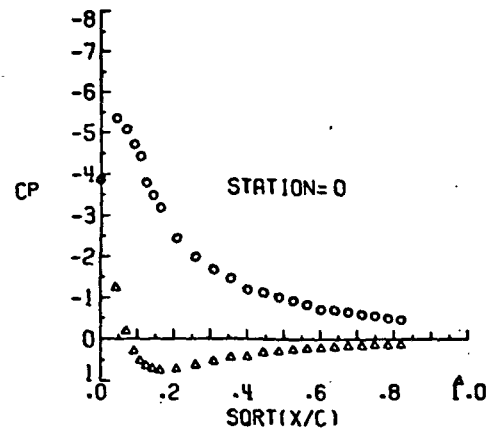
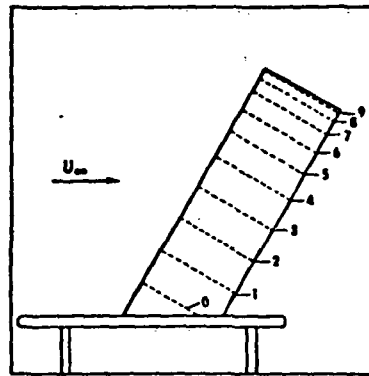
(j) $\alpha = 12.95^\circ$
Figure 5. - Continued.

UPPER- O LOWER- Δ



(j) Concluded.
Figure 5. - Continued.

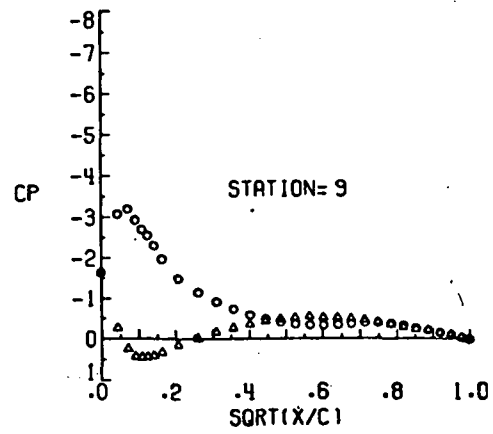
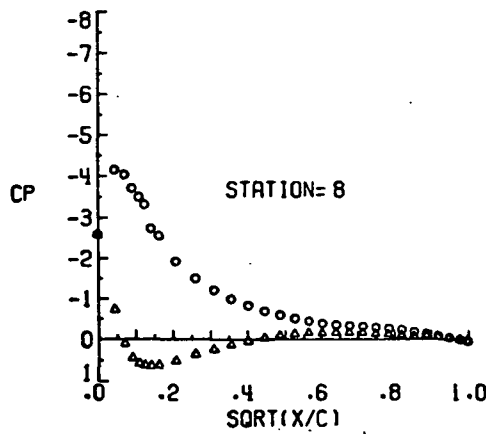
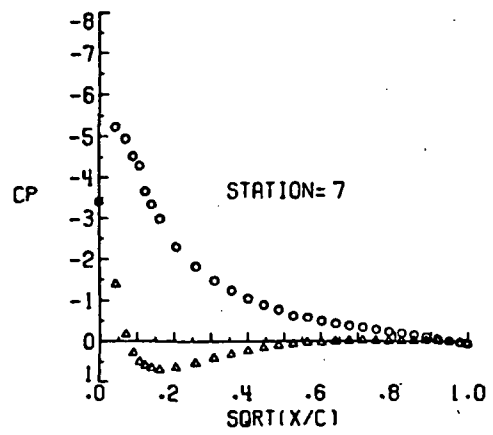
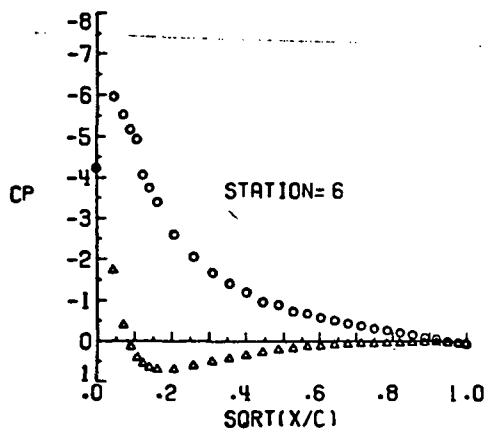
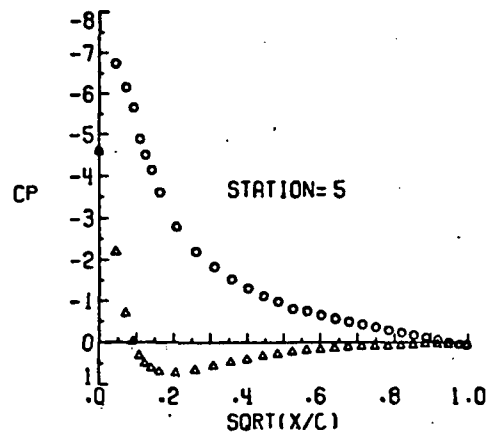
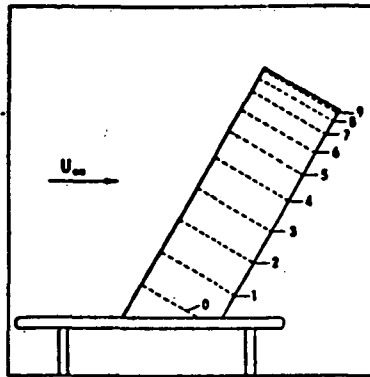
UPPER- O LOWER- Δ



(k) $\alpha = 15.06^\circ$

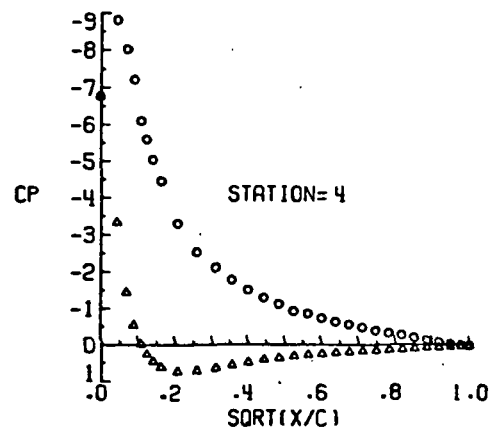
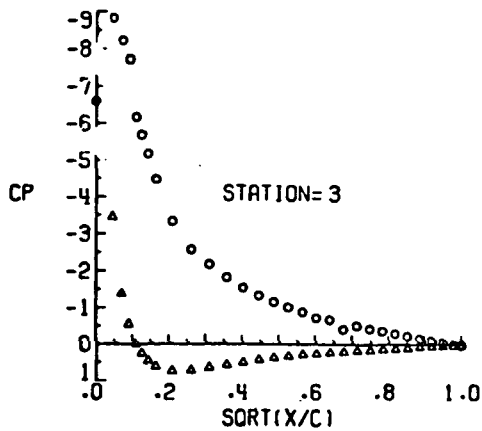
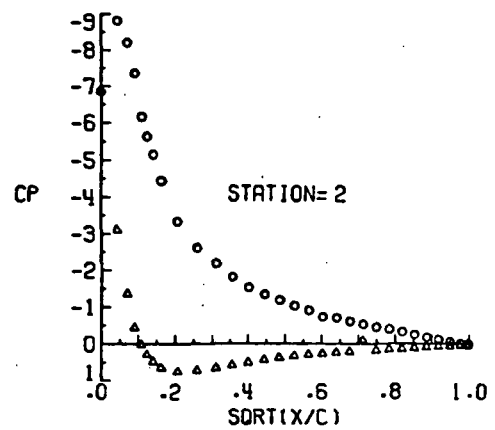
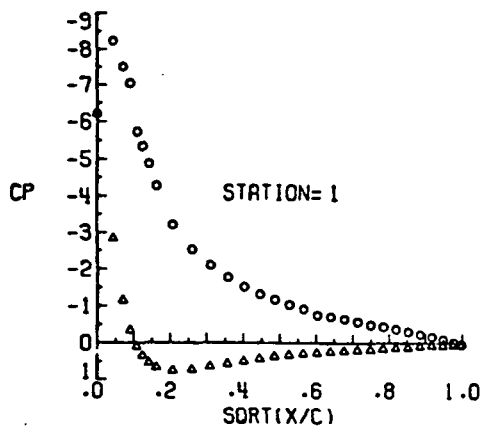
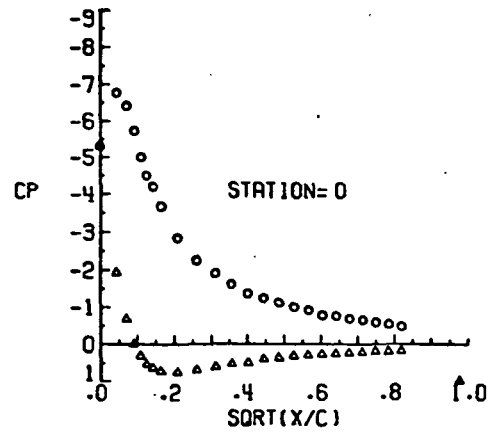
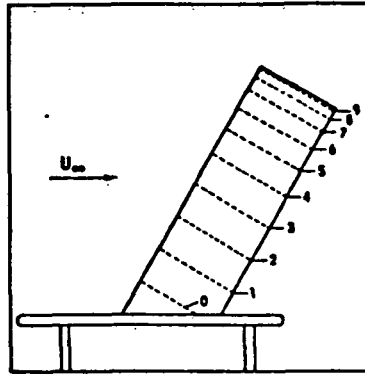
Figure 5. - Continued.

UPPER- O LOWER- Δ



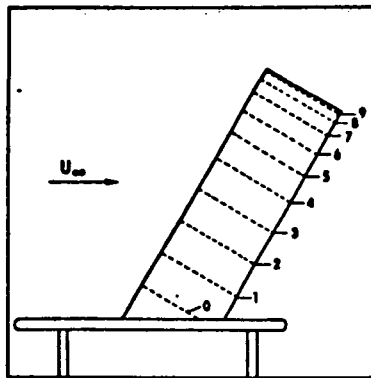
(k) Concluded.
Figure 5. - Continued.

UPPER- O LOWER- Δ

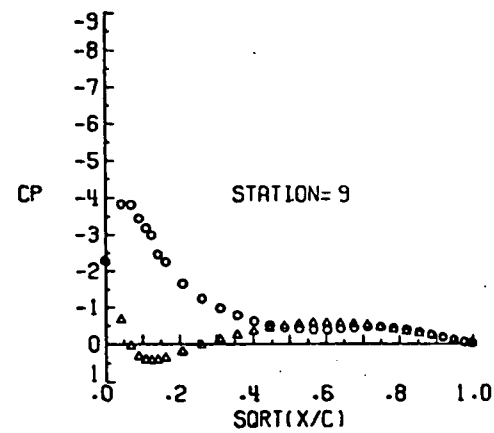
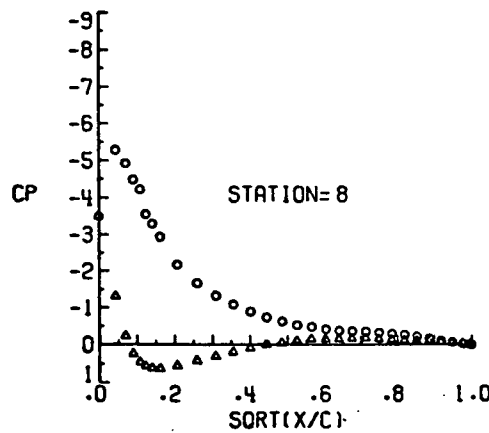
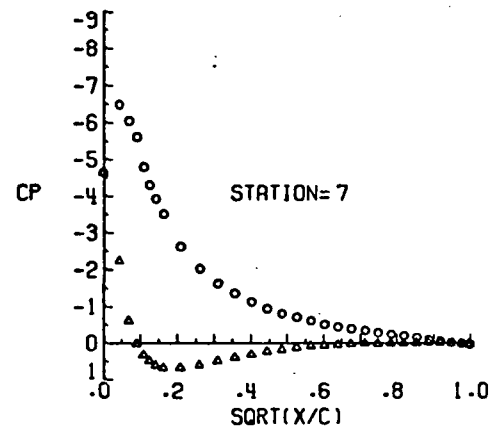
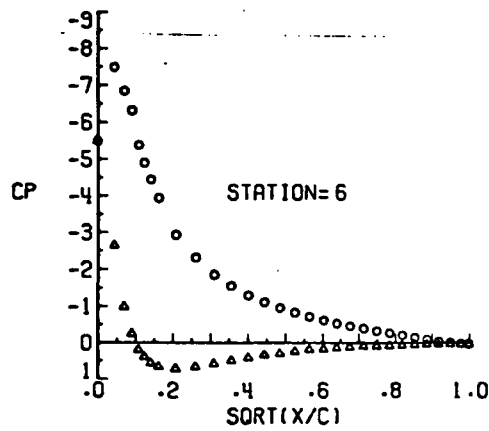
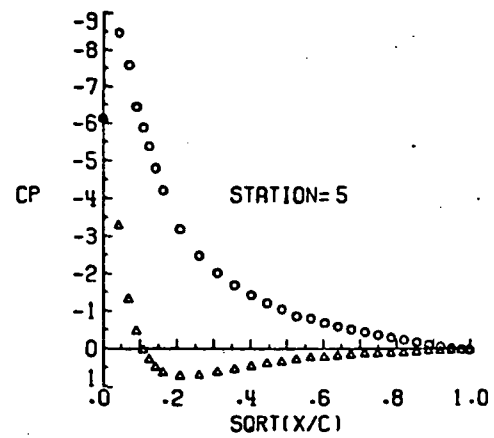


(1) $\alpha = 17.13^\circ$

Figure 5. - Continued.



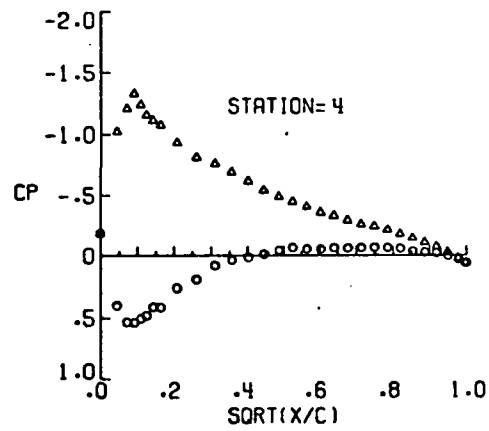
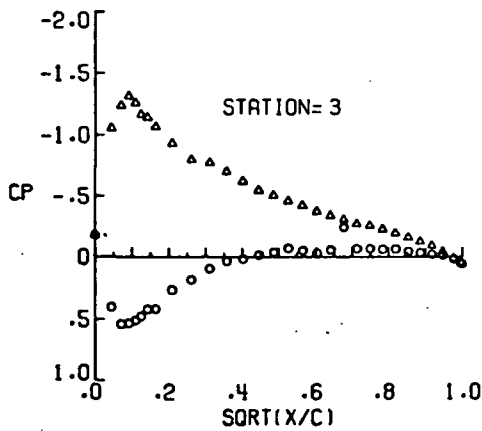
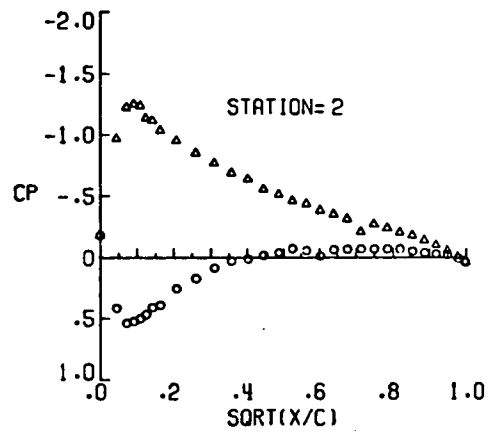
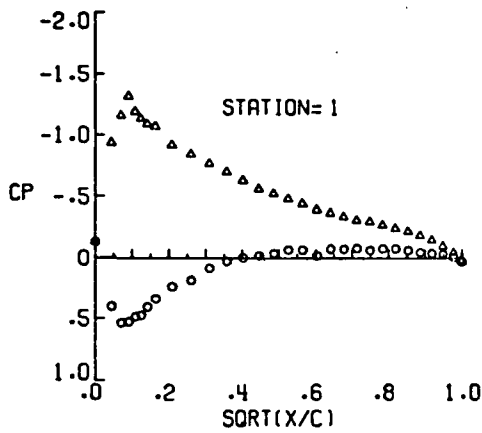
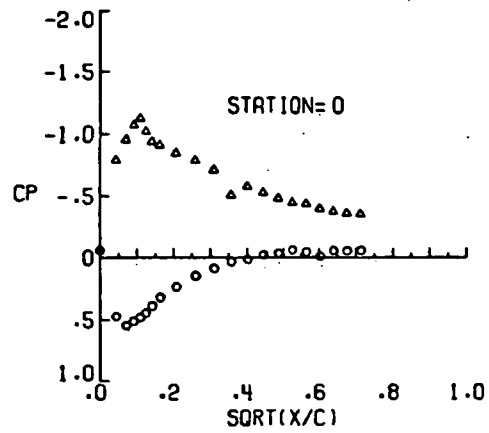
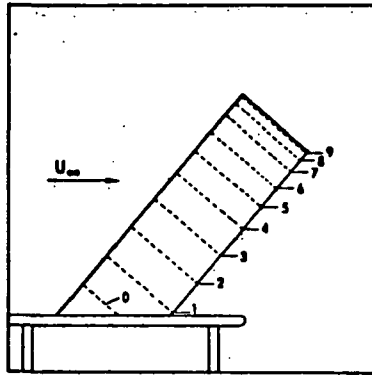
UPPER- O LOWER- Δ



(1) Concluded.

Figure 5. - Concluded.

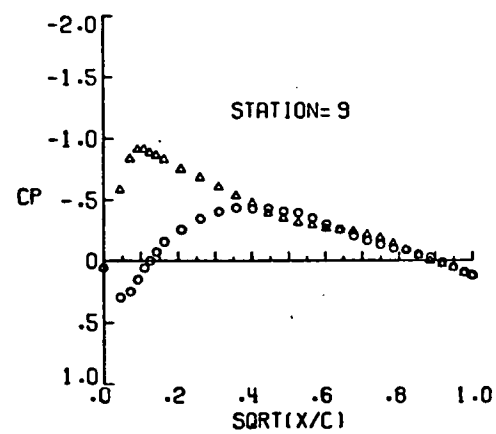
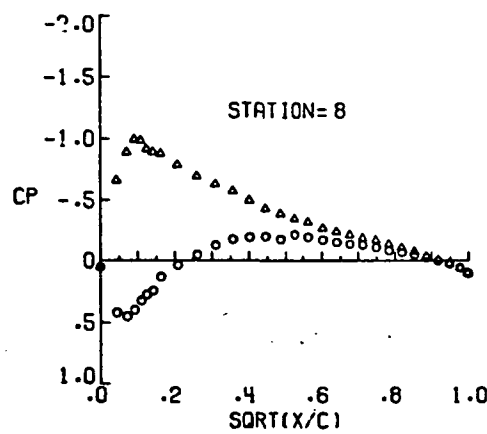
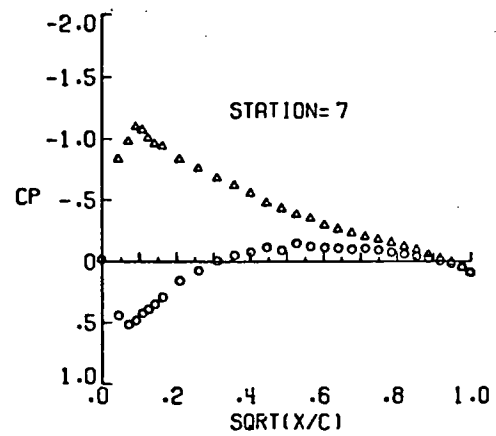
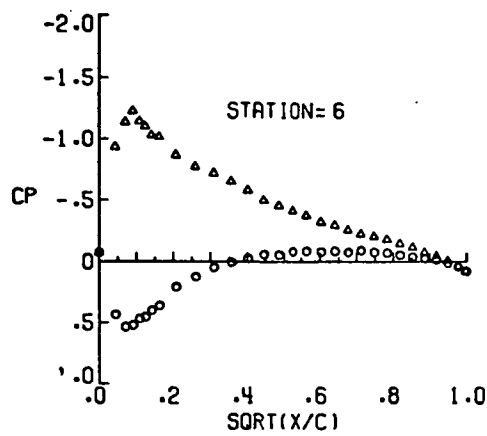
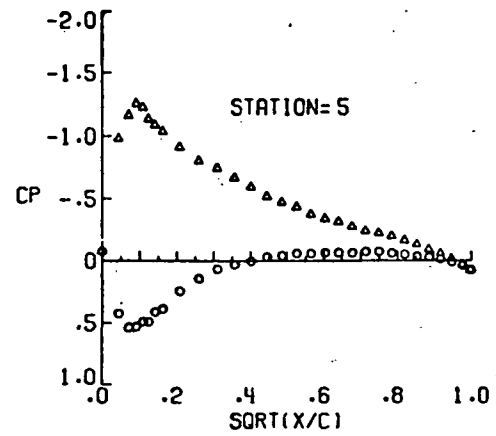
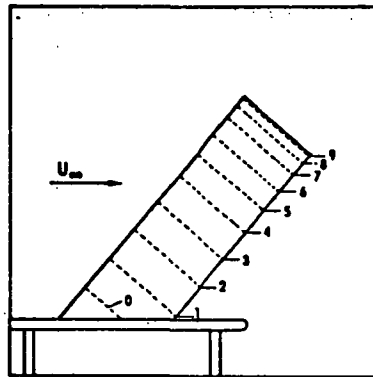
UPPER- O LOWER- Δ



(a) $\alpha = -5.81^\circ$

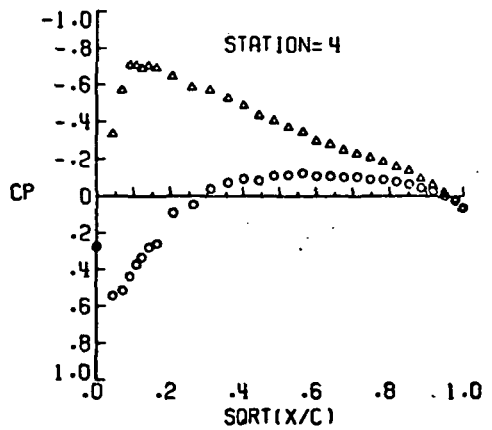
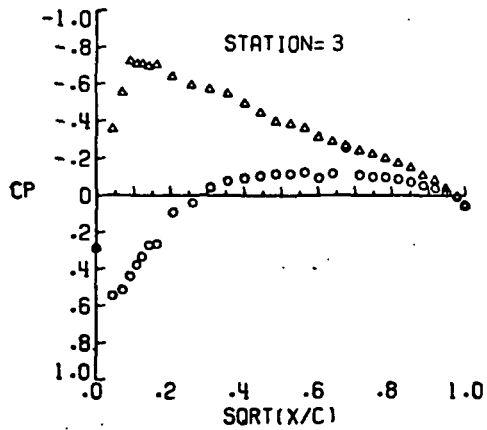
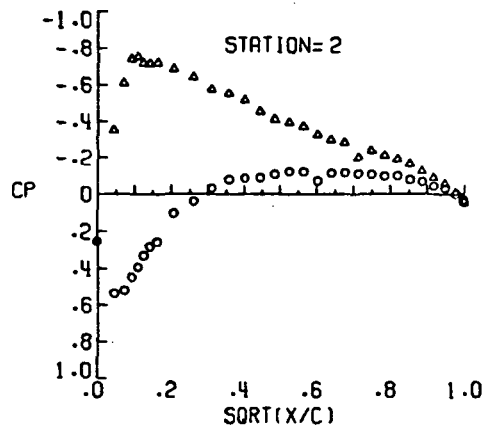
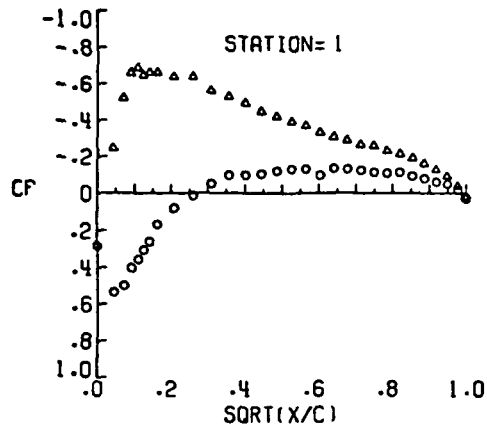
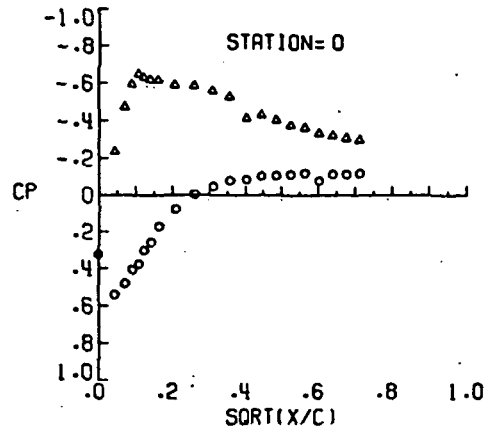
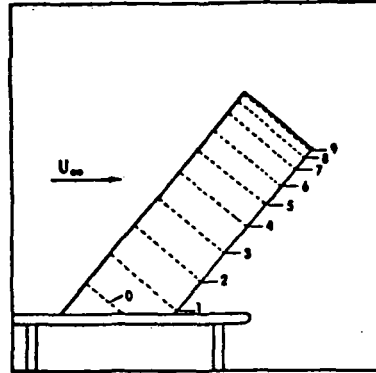
Figure 6. - Pressure distributions at 40° sweep.

UPPER- O LOWER- Δ



(a) Concluded.
Figure 6. - Continued.

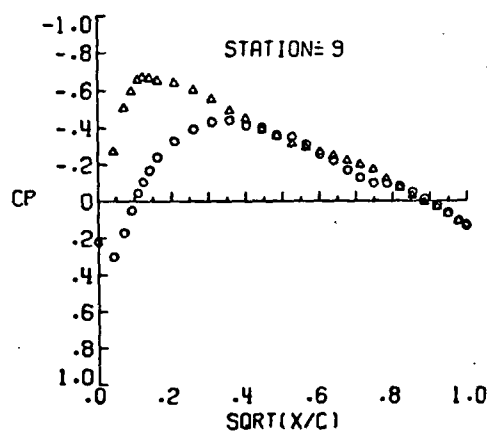
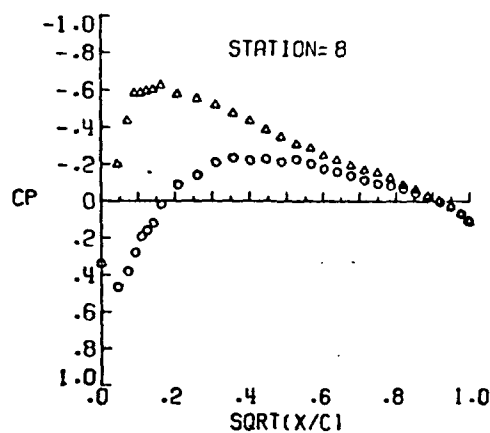
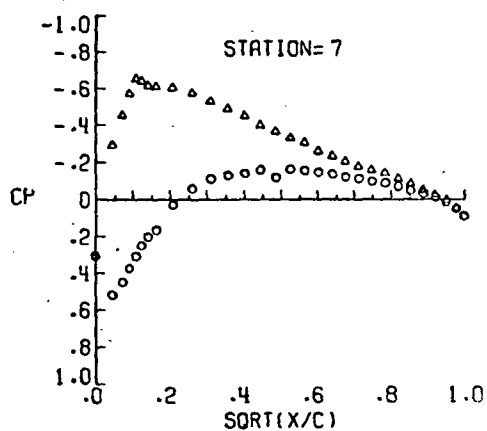
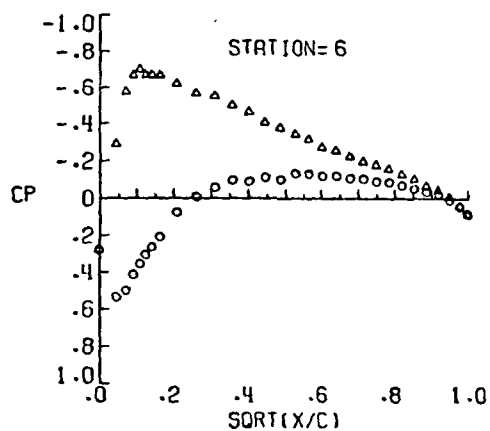
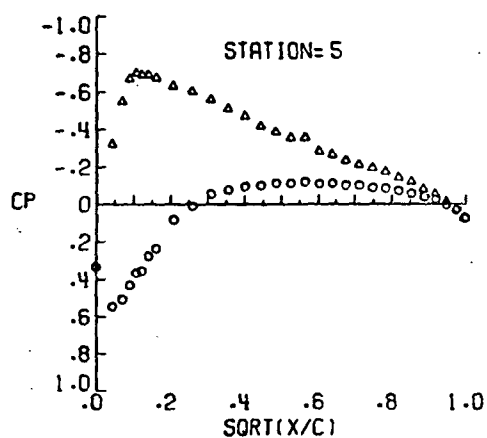
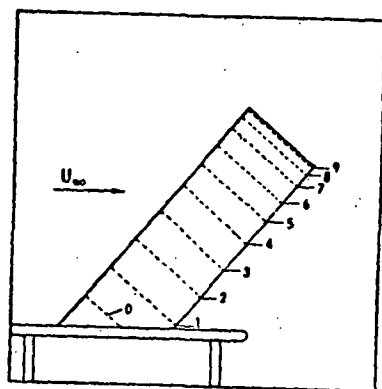
UPPER- O LOWER- Δ



(b) $\alpha = -3.73^\circ$

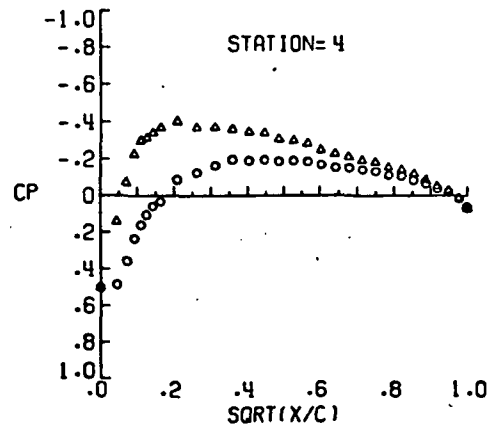
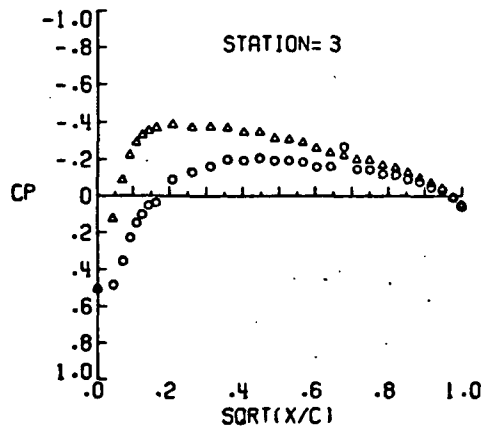
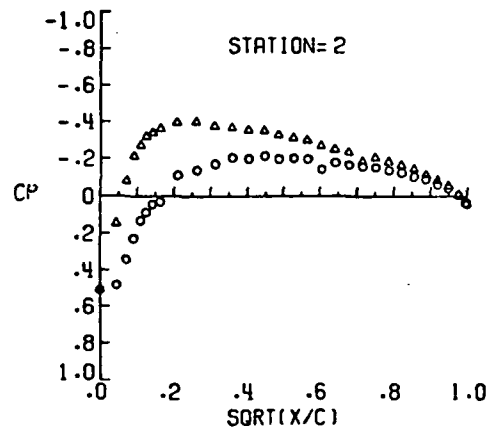
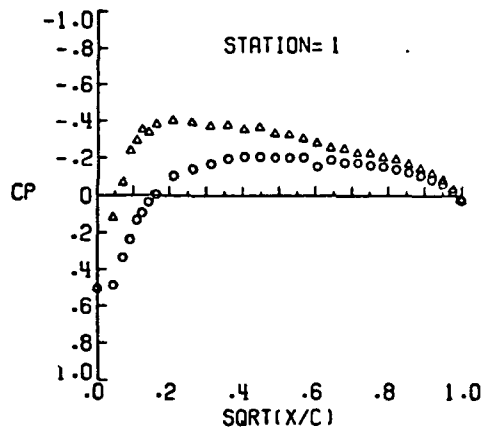
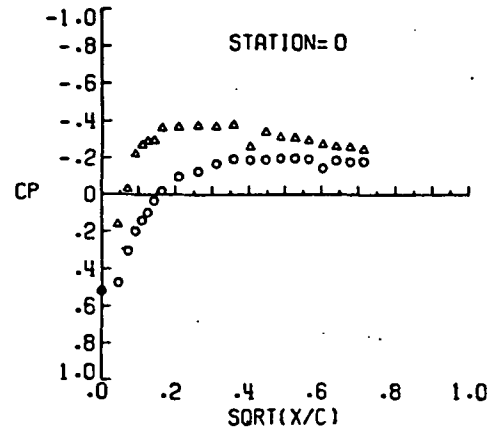
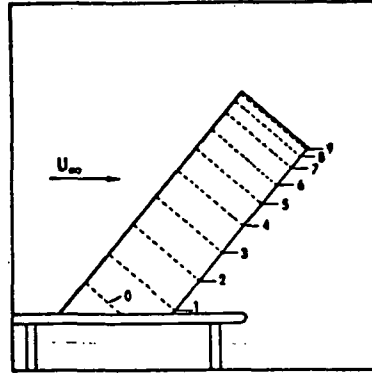
Figure 6. - Continued.

UPPER- O LOWER- Δ



(b) Concluded.
Figure 6 . - Continued.

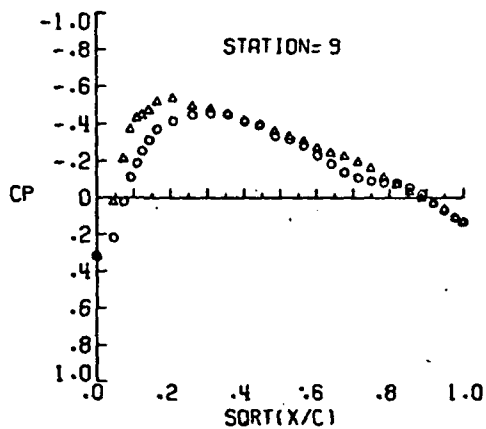
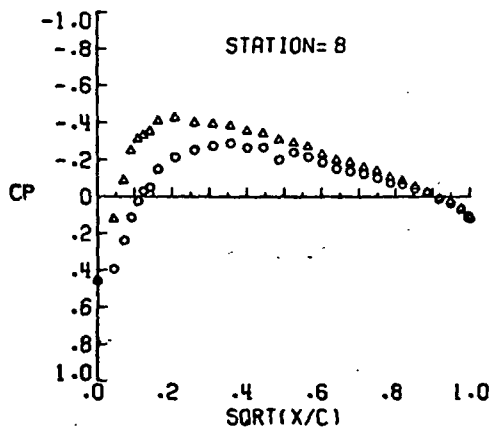
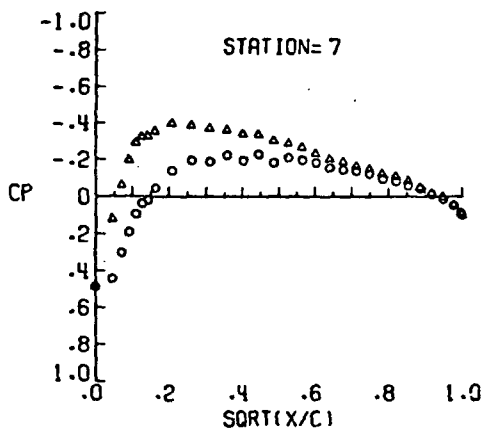
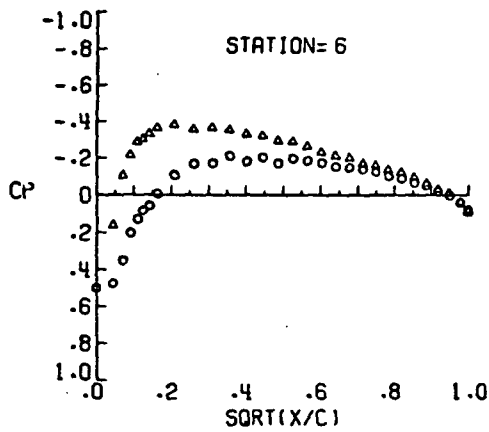
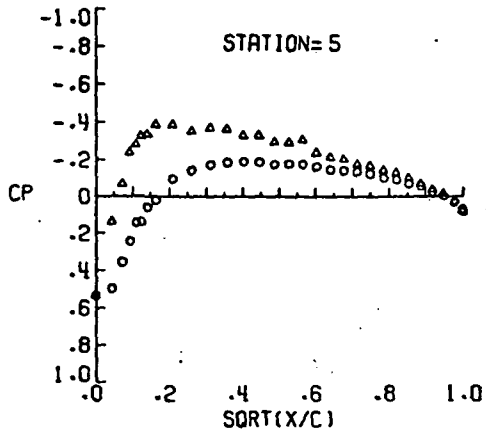
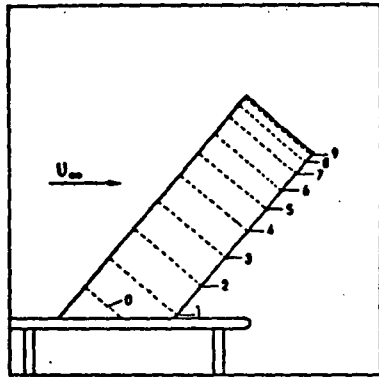
UPPER- O LOWER- Δ



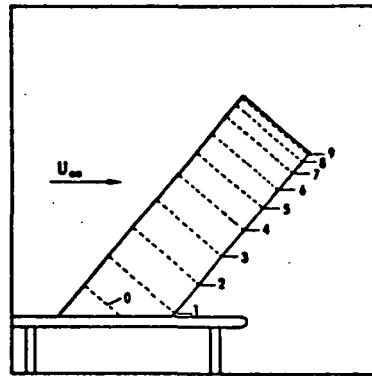
(c) $\alpha = -1.64^\circ$

Figure 6. - Continued.

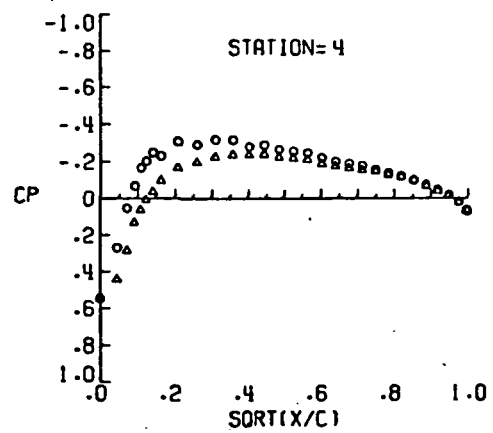
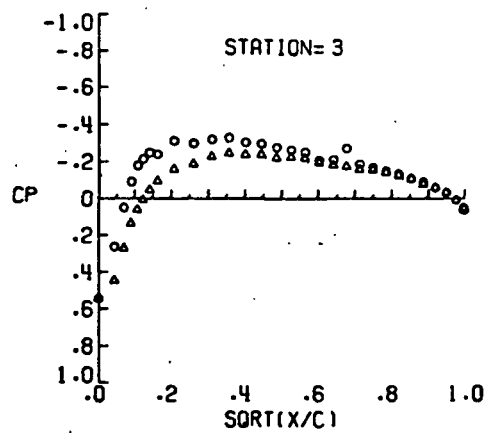
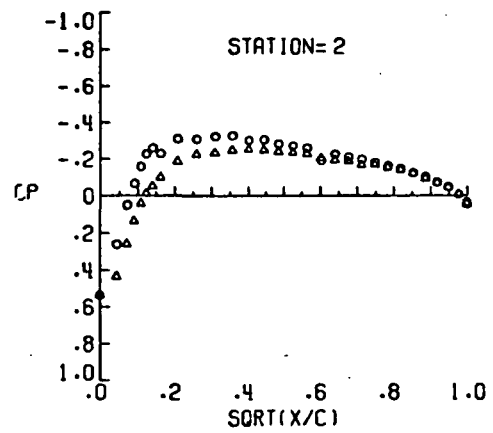
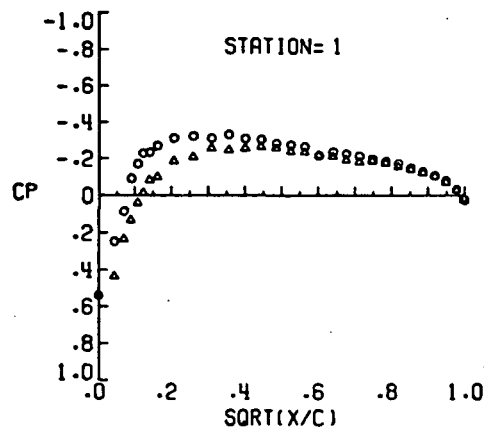
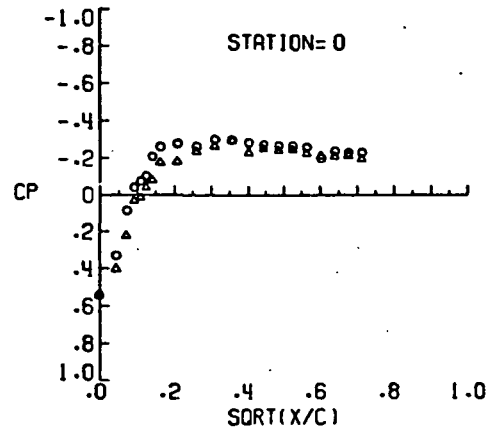
UPPER- O LOWER- Δ



(c) Concluded.
Figure 6. - Continued.



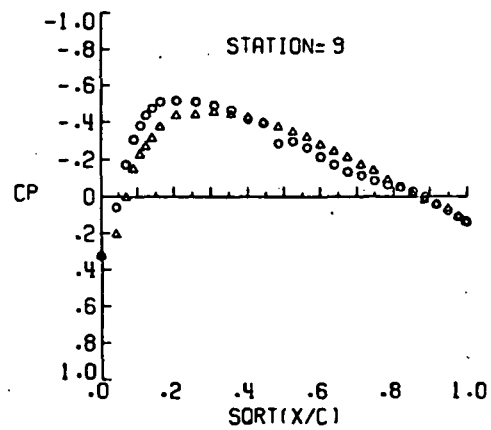
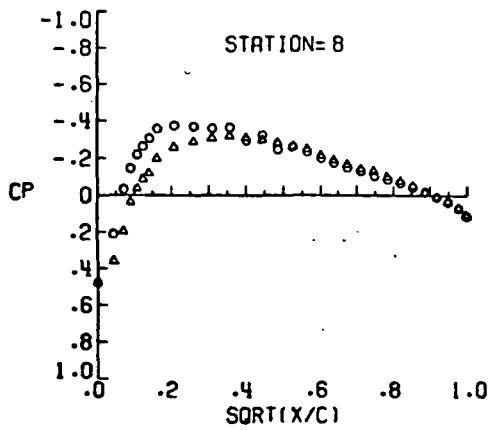
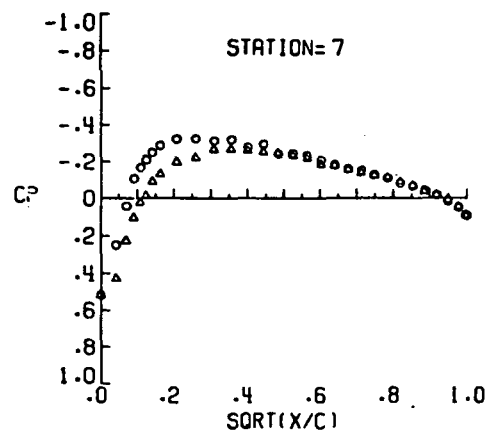
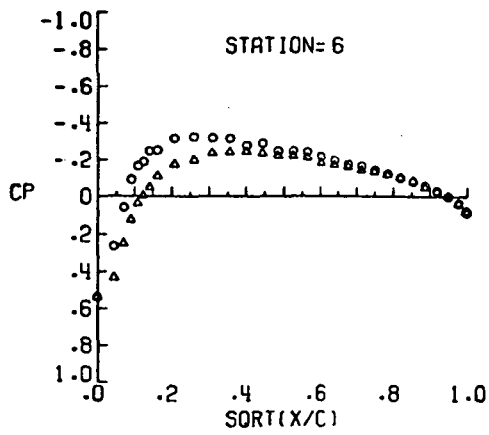
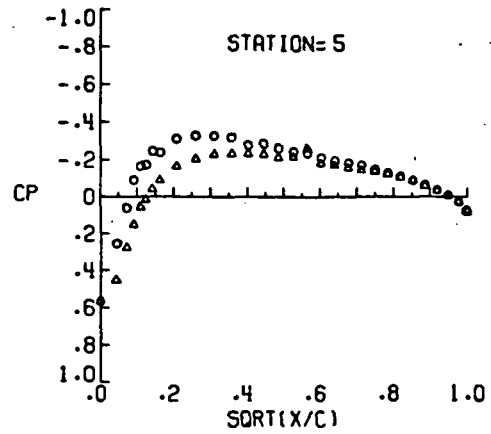
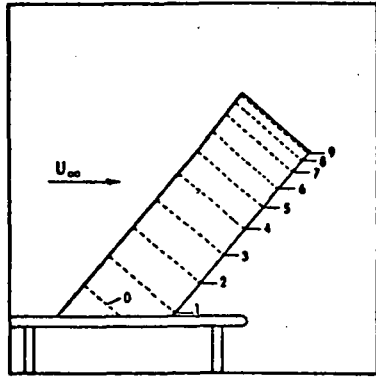
UPPER- O LOWER- Δ



(d) $\alpha = 0.42^\circ$

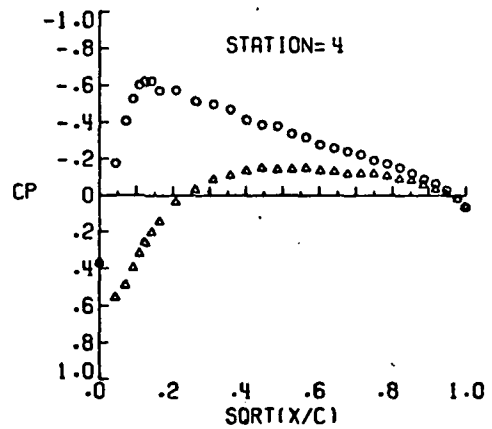
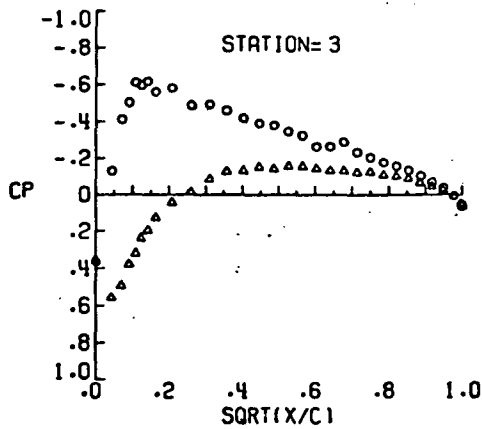
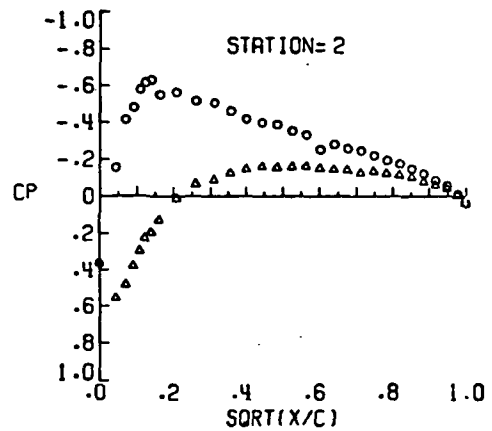
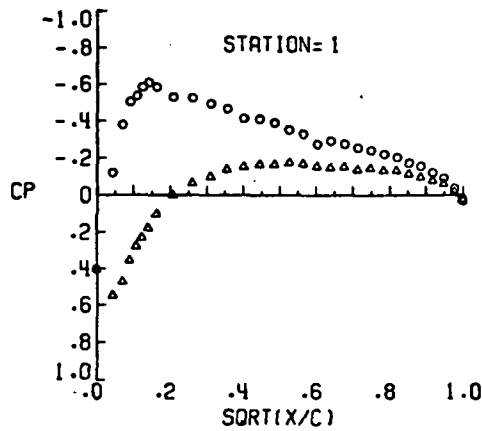
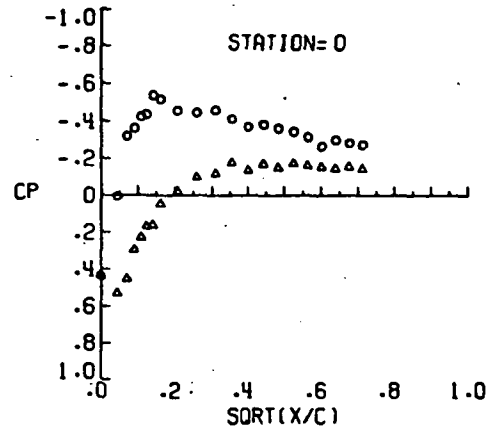
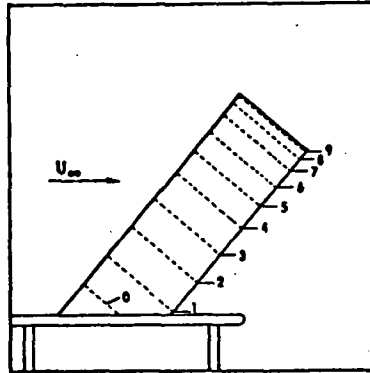
Figure 6. - Continued.

UPPER- O LOWER- Δ



(d) Concluded.
Figure 4. - Continued.

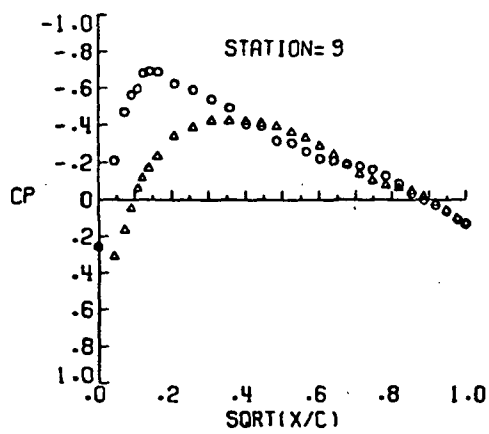
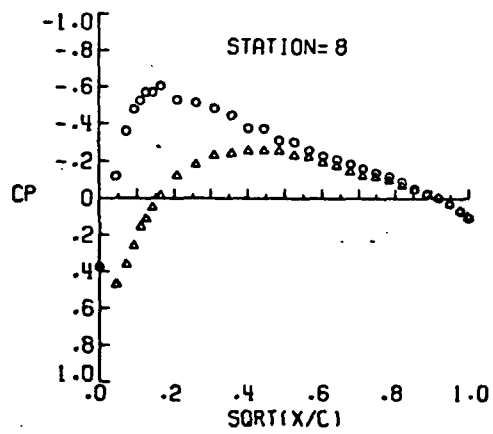
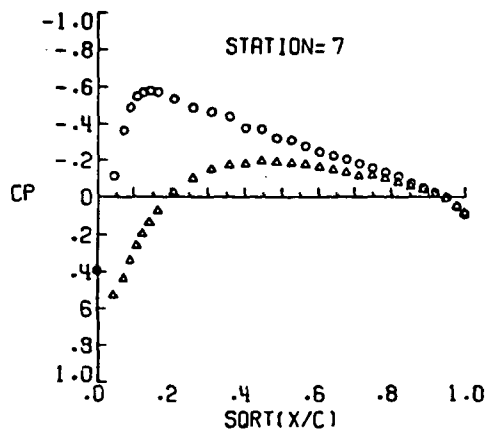
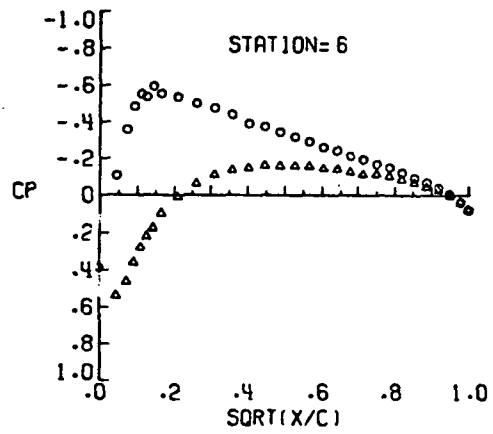
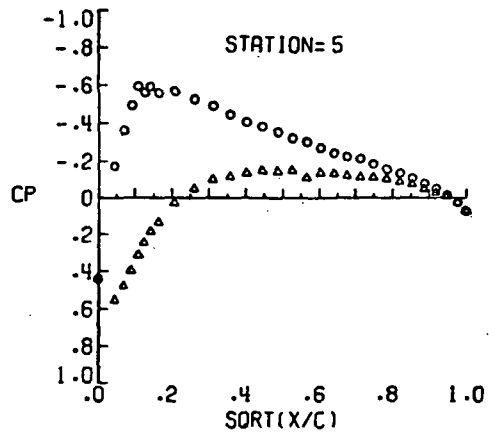
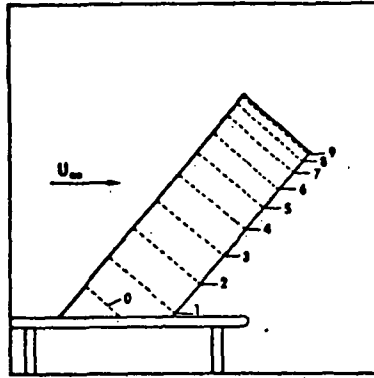
UPPER- O LOWER- Δ



(e) $\alpha = 2.50^\circ$

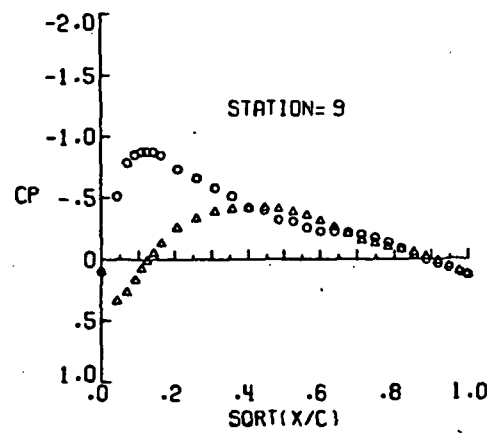
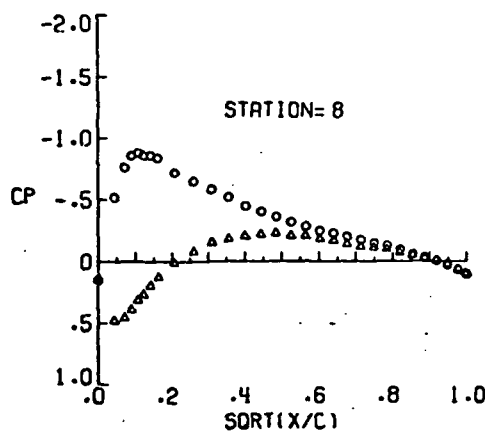
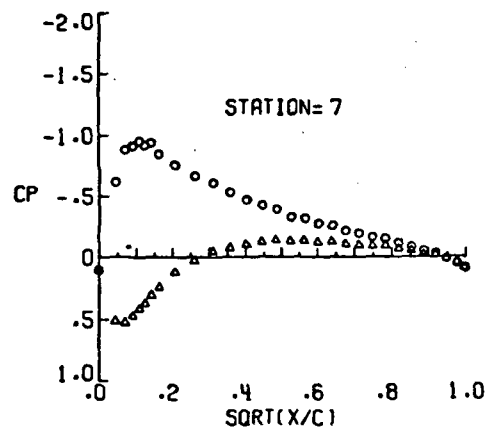
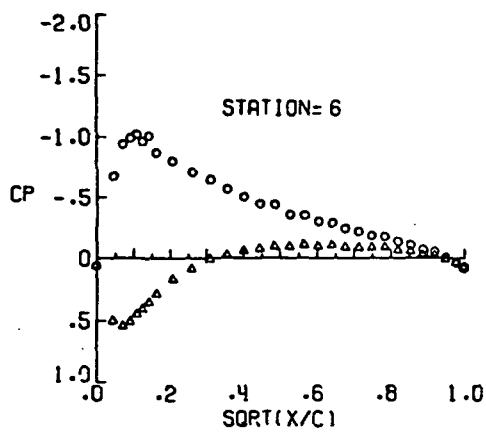
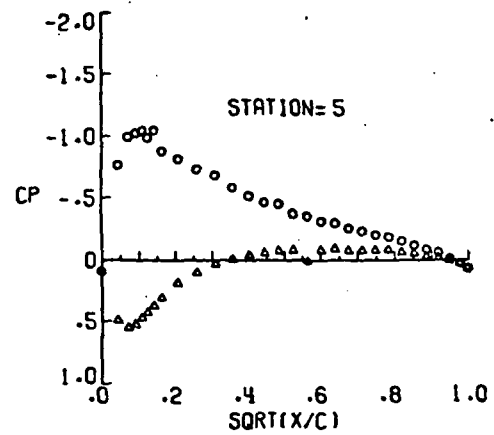
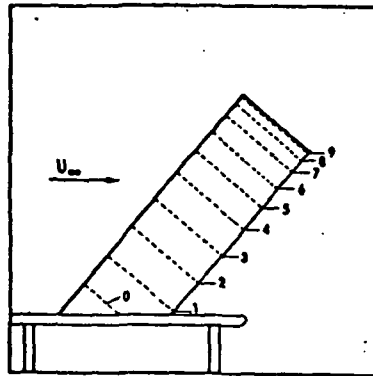
Figure 6. - Continued.

UPPER- O LOWER- Δ



(e) Concluded.
Figure 6. - Continued.

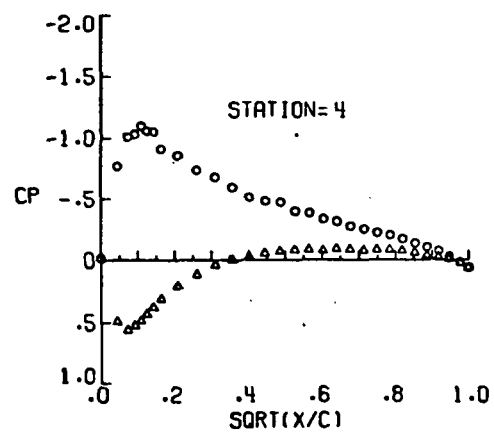
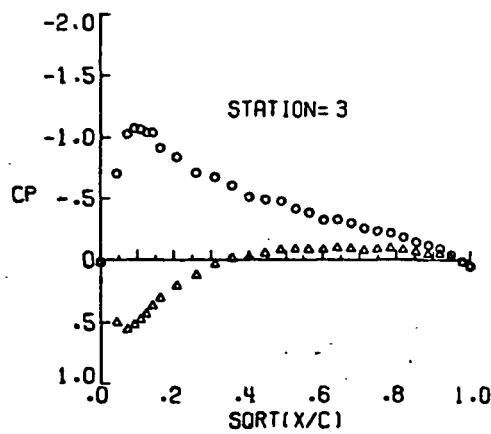
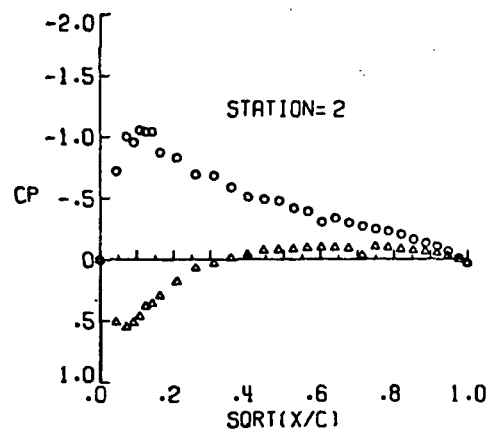
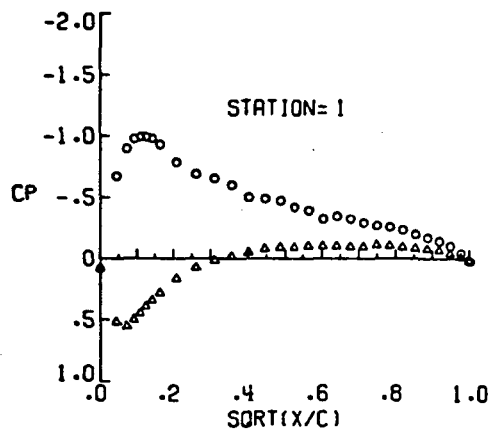
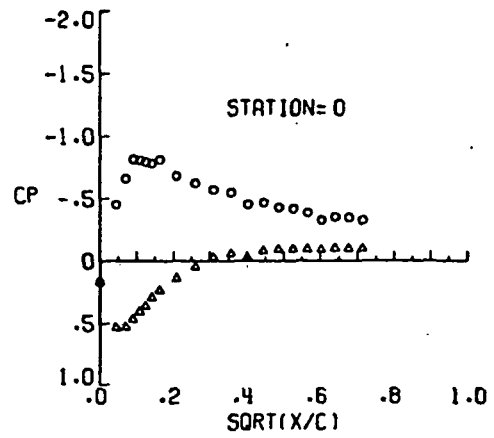
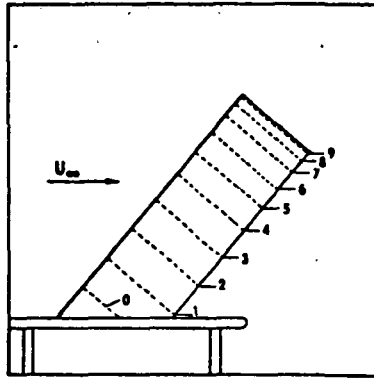
UPPER- O LOWER- Δ



(f) Concluded.
Figure 6. - Continued.

3

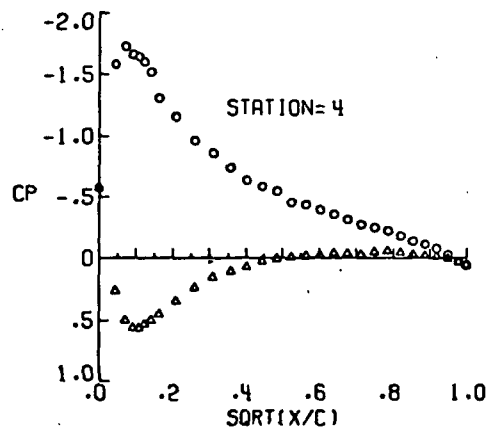
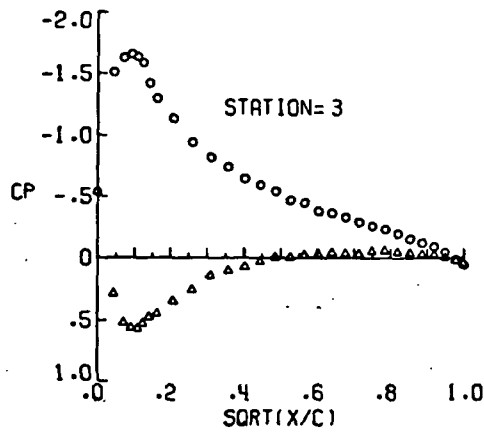
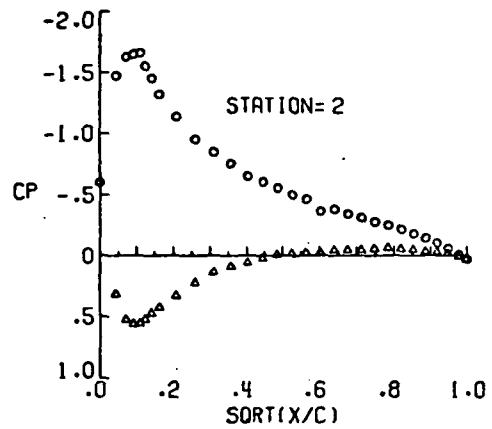
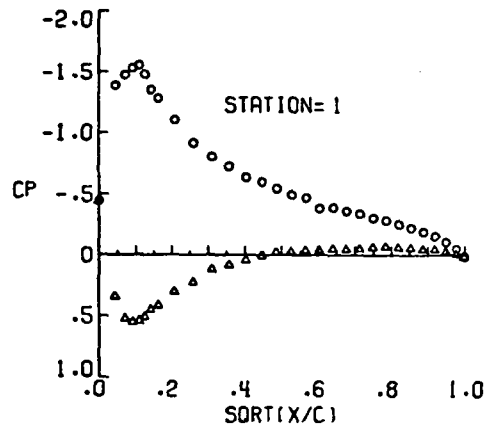
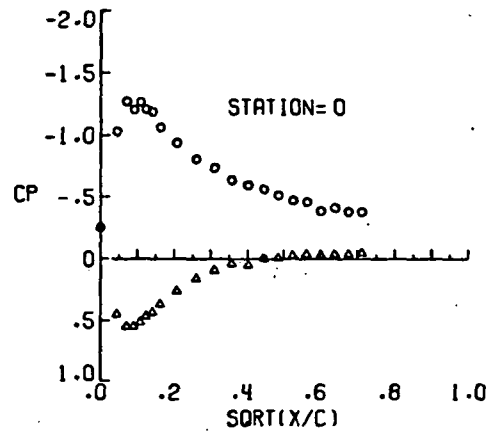
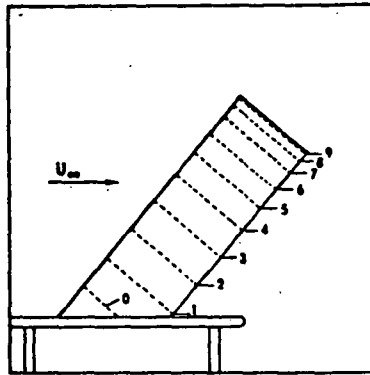
UPPER- O LOWER- Δ



(f) $\alpha = 4.57^\circ$

Figure 6. - Continued.

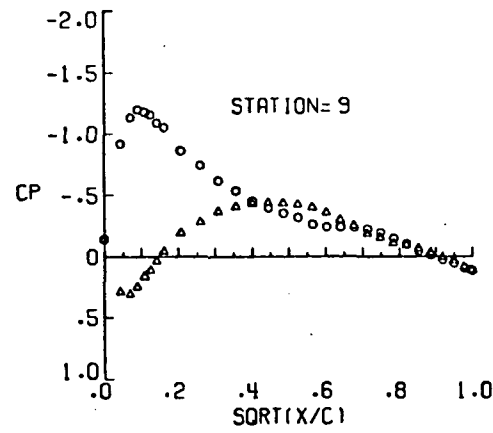
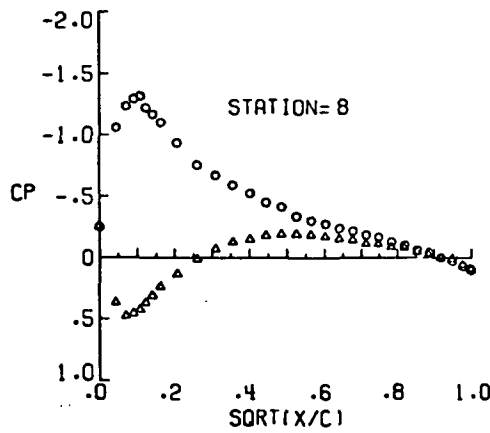
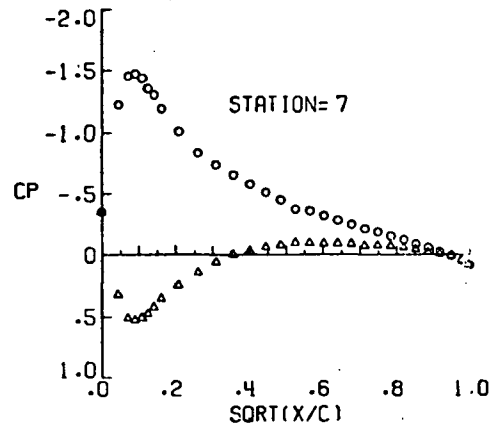
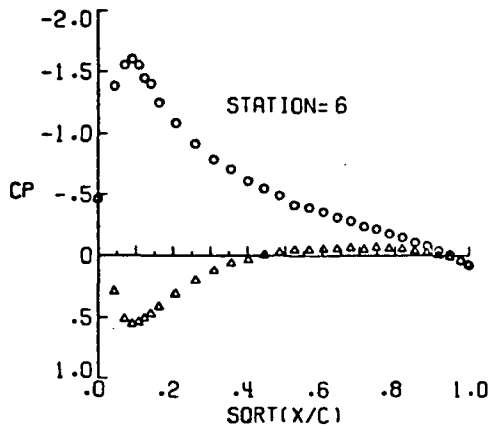
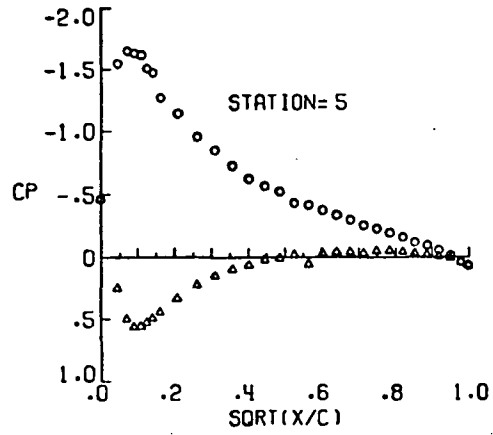
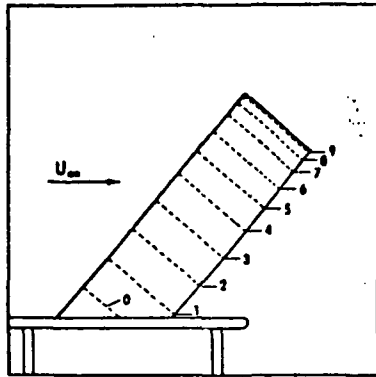
UPPER- O LOWER- Δ



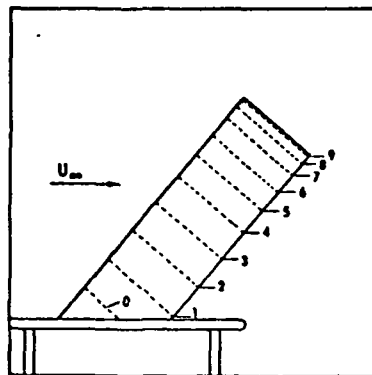
(g) $\alpha = 6.65^\circ$

Figure 6. - Continued.

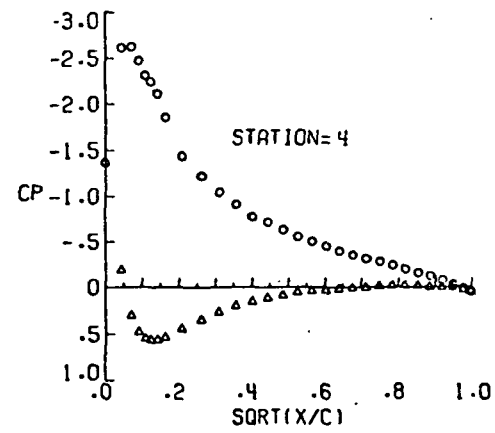
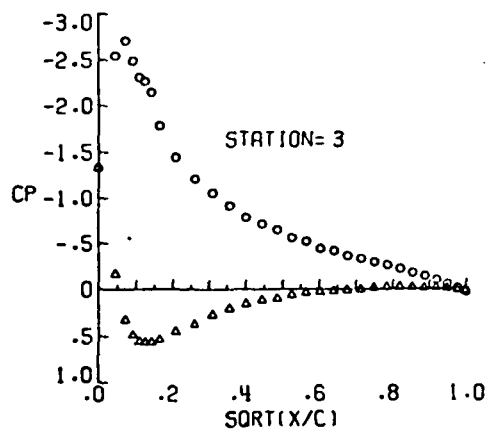
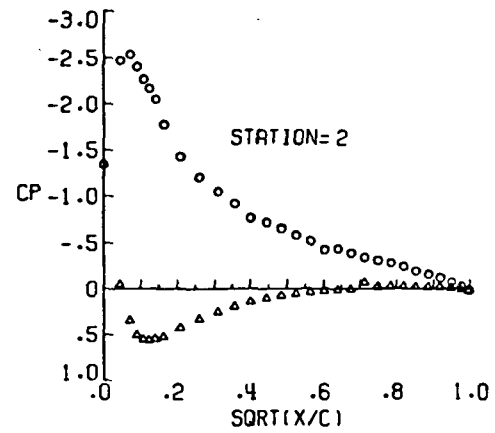
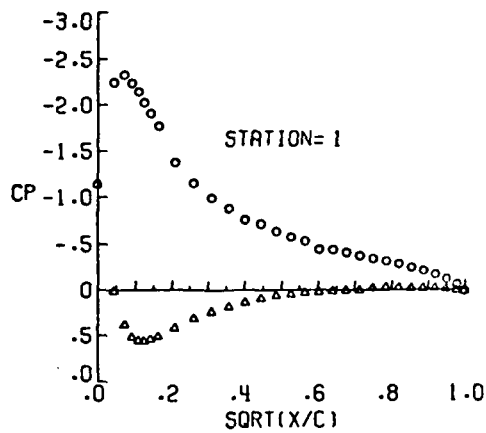
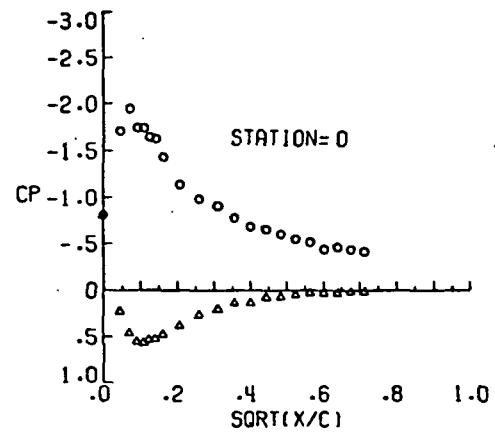
UPPER- O LOWER- Δ



(g) Concluded.
Figure . - Continued.



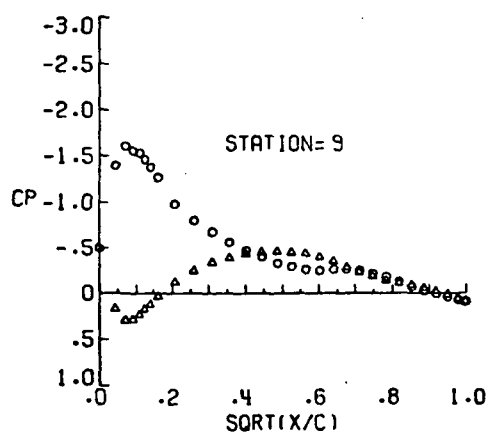
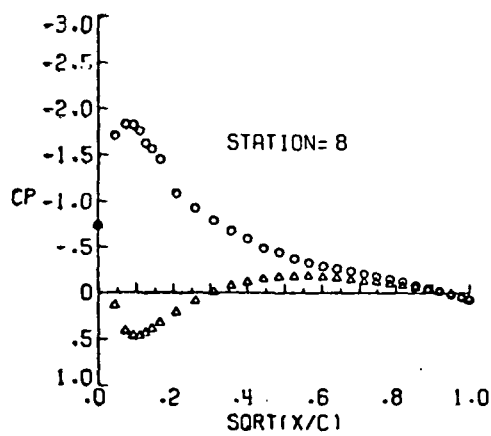
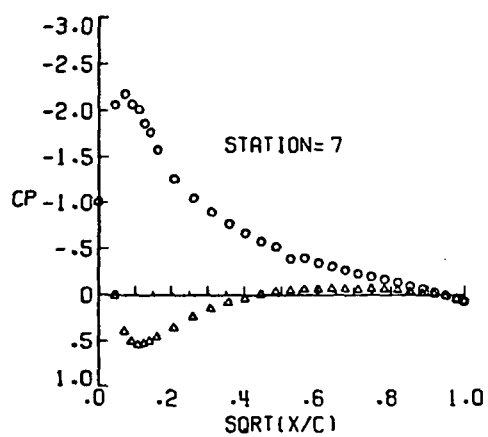
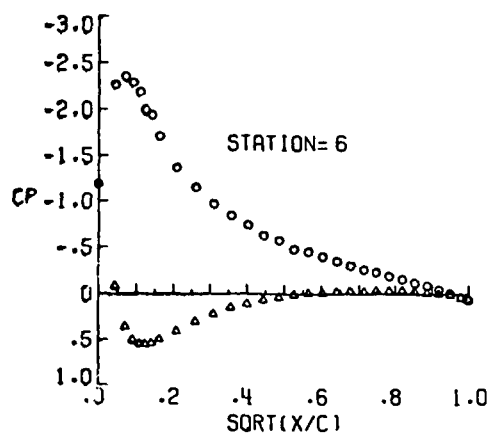
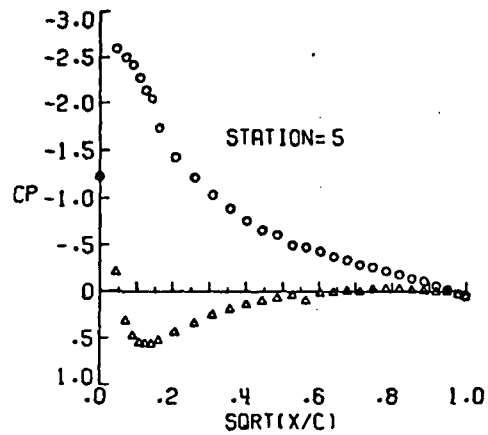
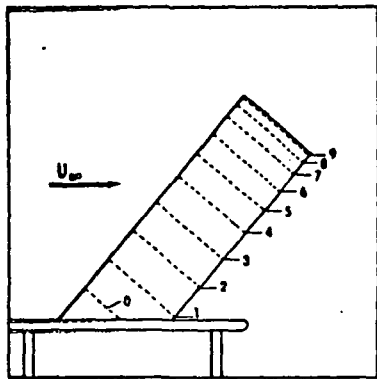
UPPER- O LOWER- Δ



(h) $\alpha = 8.73^\circ$

Figure 6. - Continued.

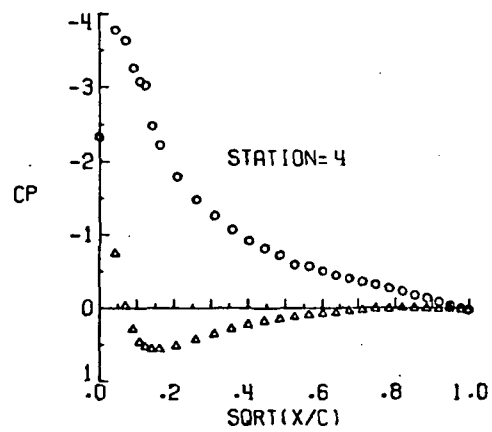
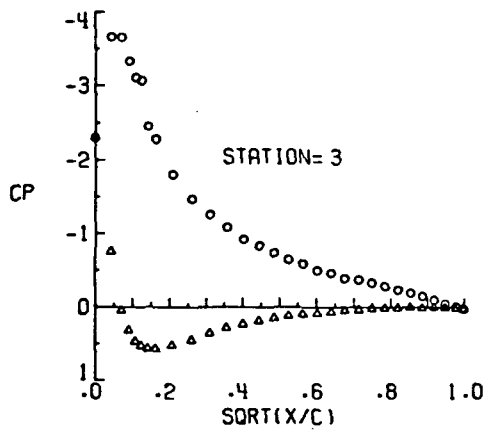
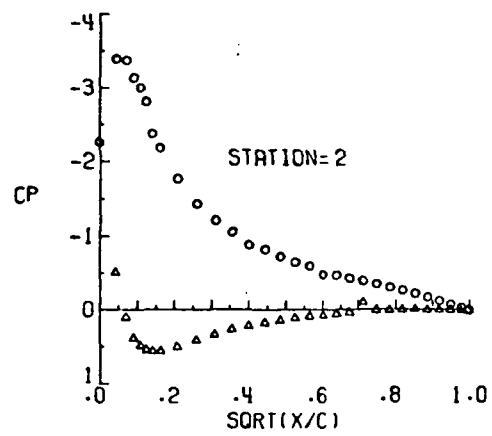
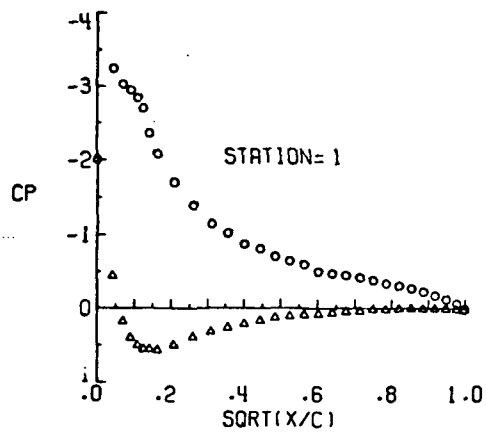
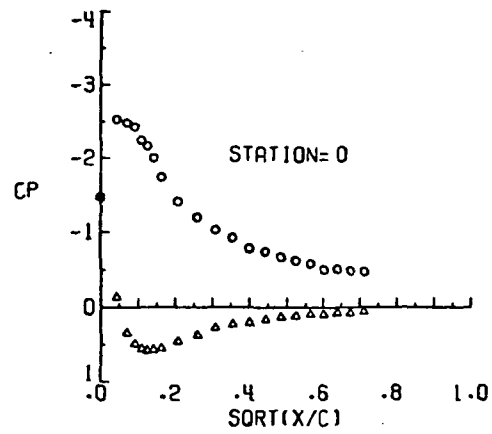
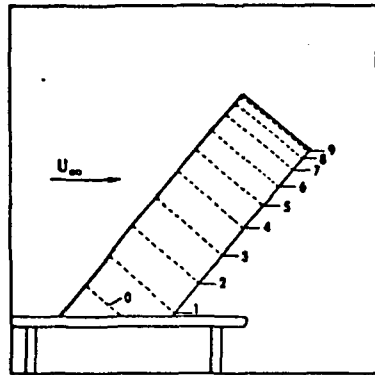
UPPER- O LOWER- Δ



(h) Concluded.

Figure 6. - Continued.

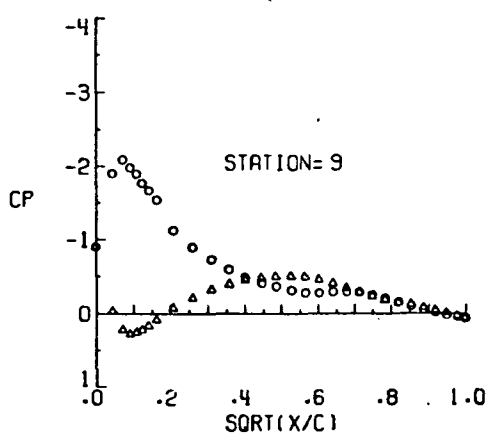
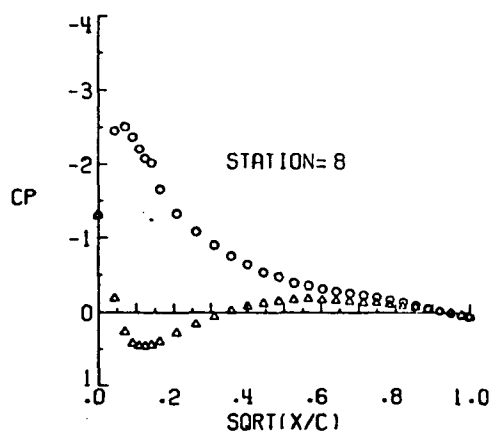
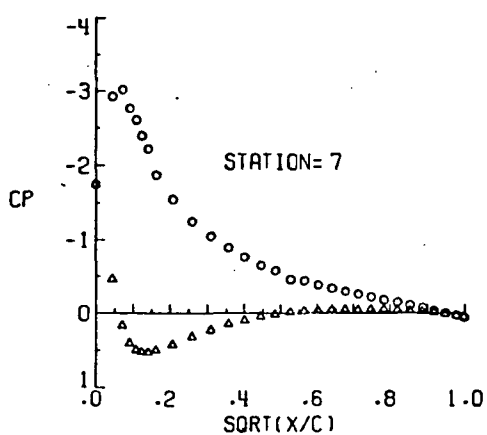
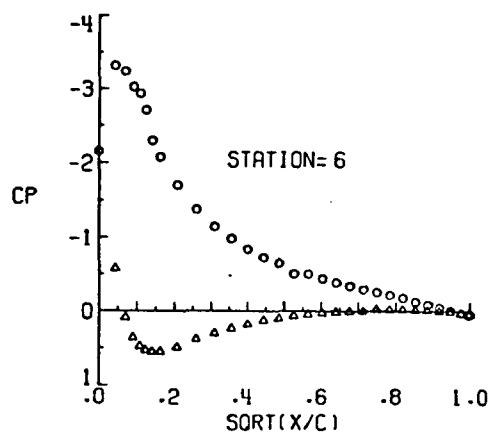
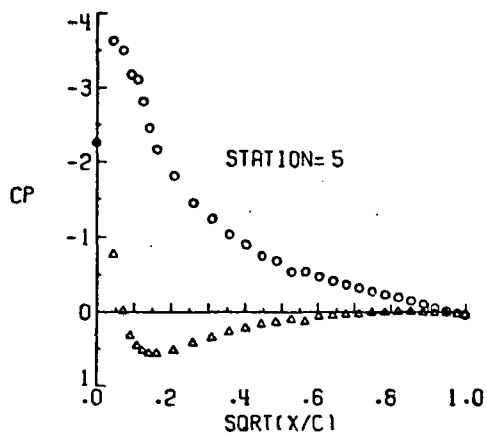
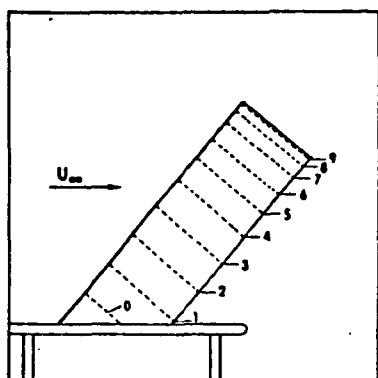
UPPER- O LOWER- Δ



(i) $\alpha = 10.79^\circ$

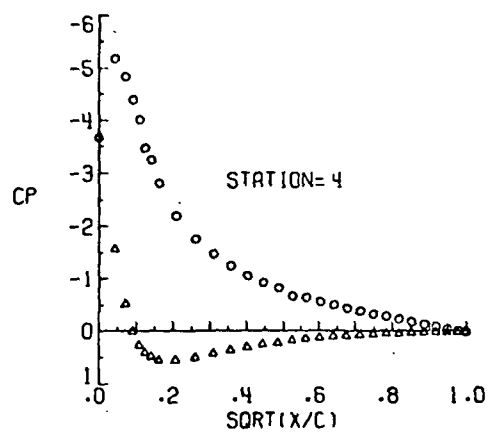
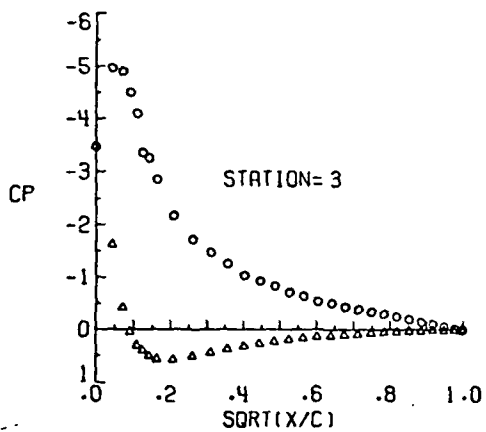
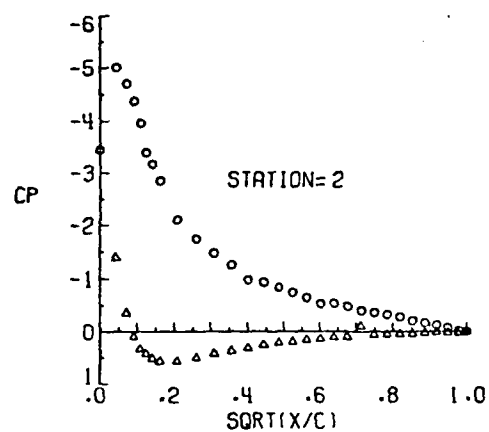
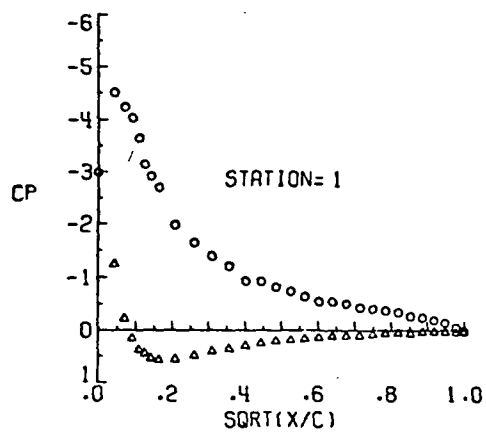
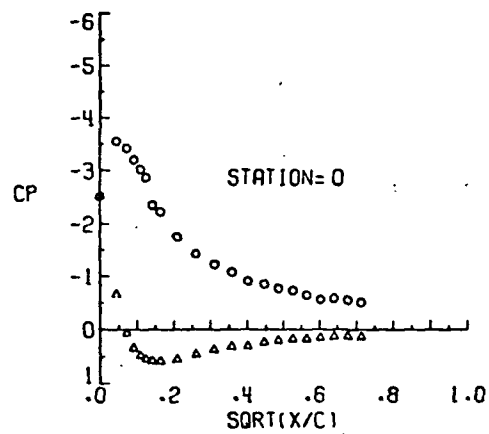
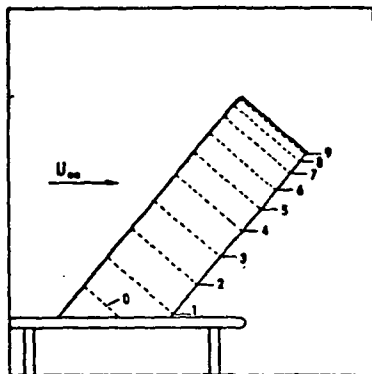
Figure 6. - Continued.

UPPER- O LOWER- Δ



(i) Concluded.
Figure 6. - Continued.

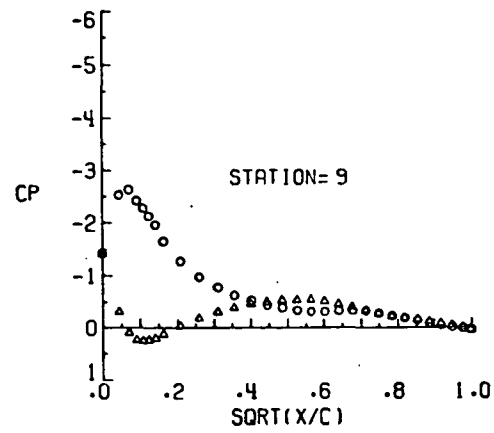
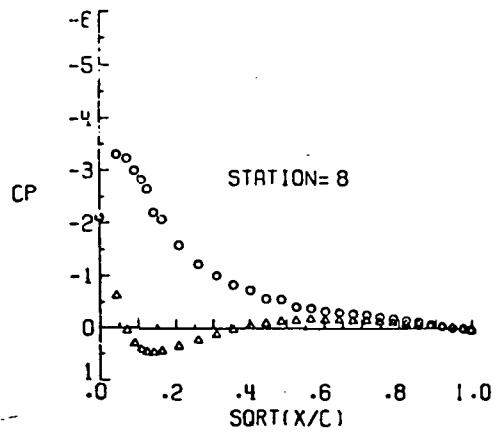
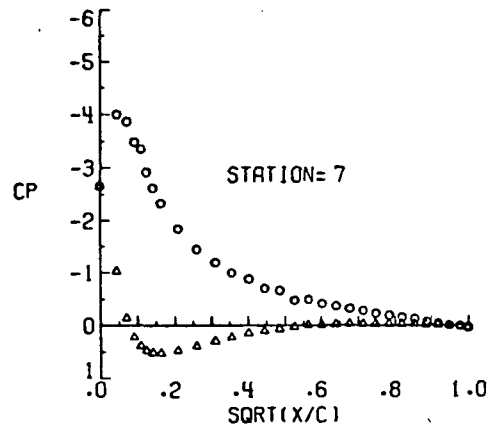
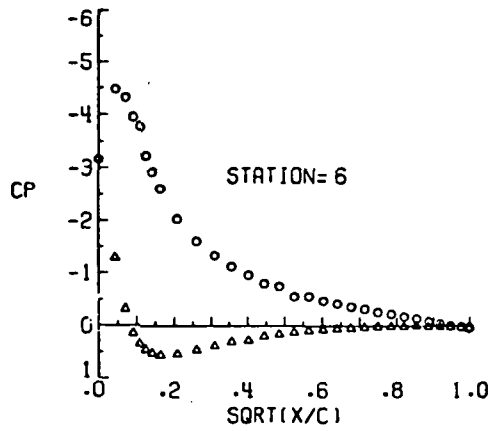
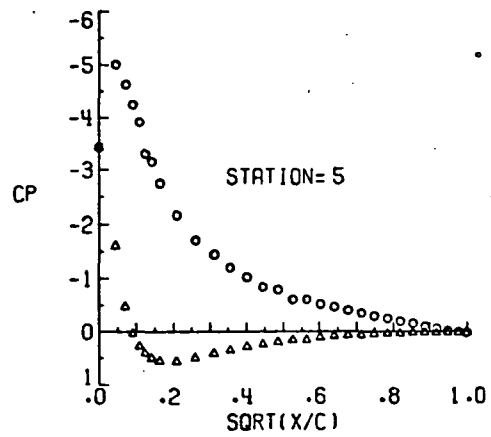
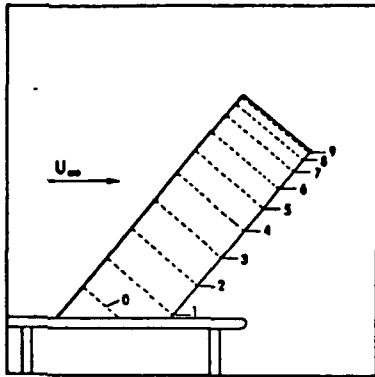
UPPER- O LOWER- Δ



(j) $\alpha = 12.87^\circ$

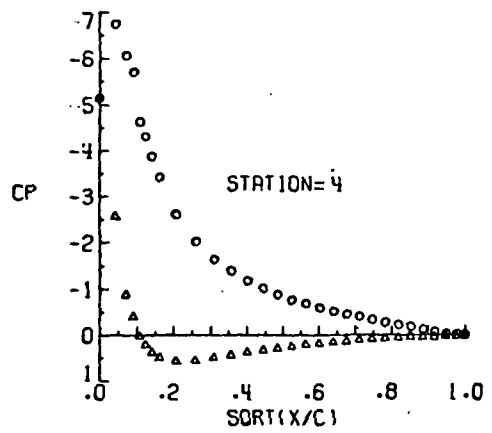
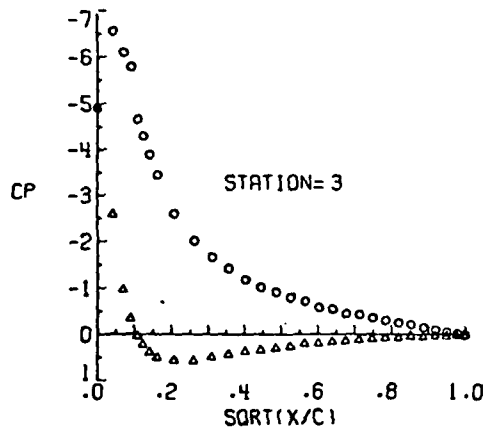
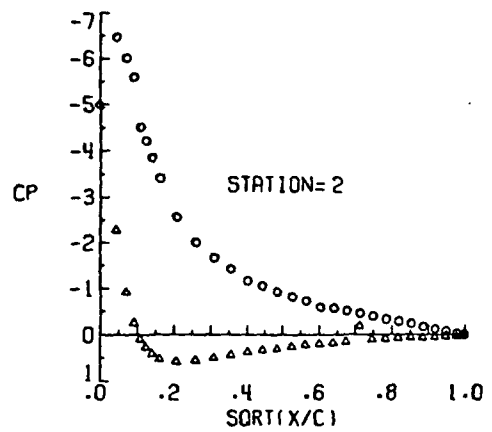
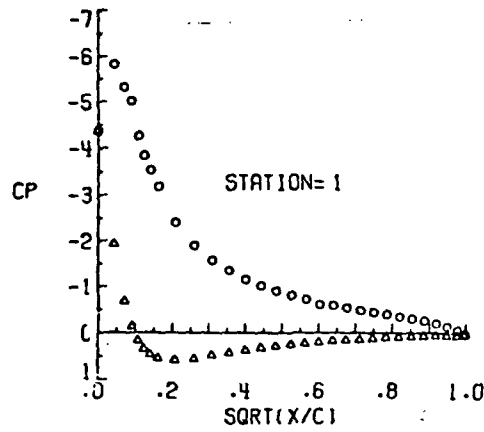
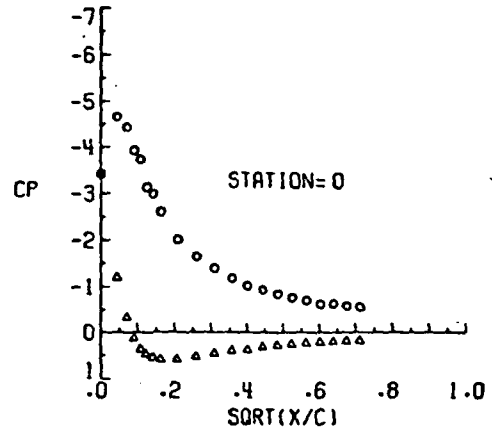
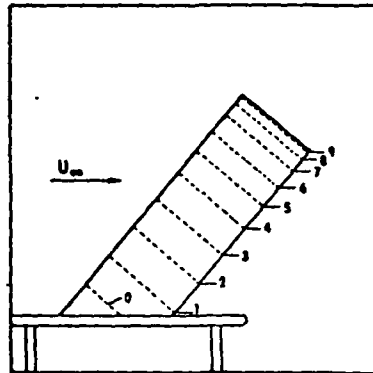
Figure 6. - Continued.

UPPER- O LOWER- Δ



(j) Concluded.
Figure 6. - Continued.

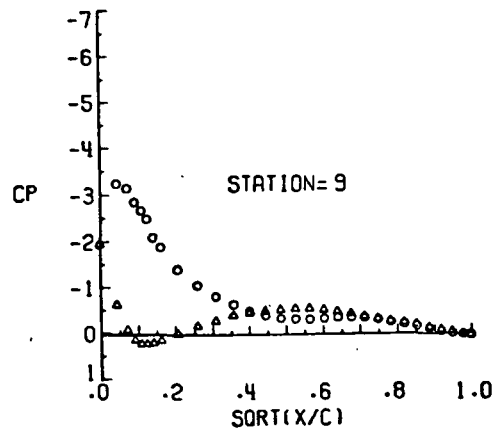
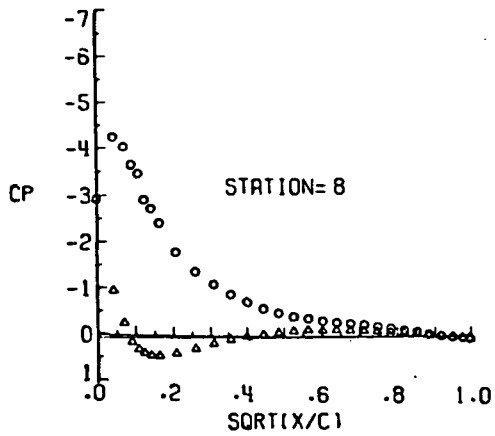
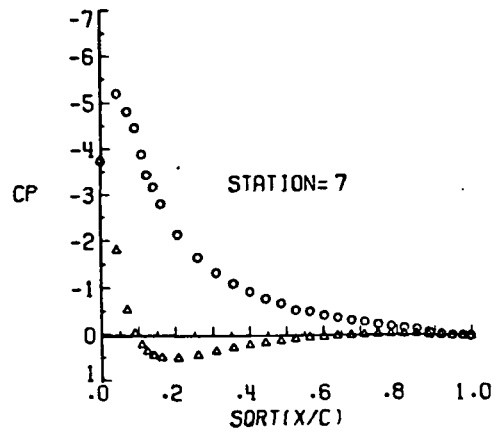
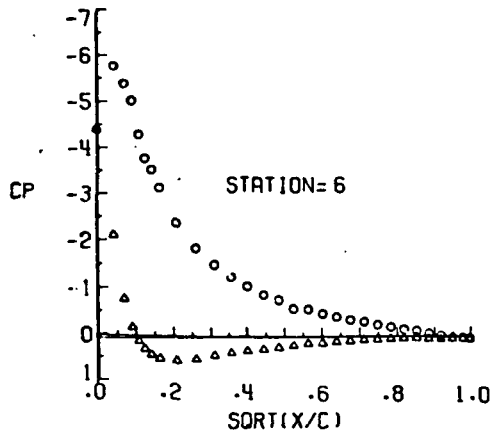
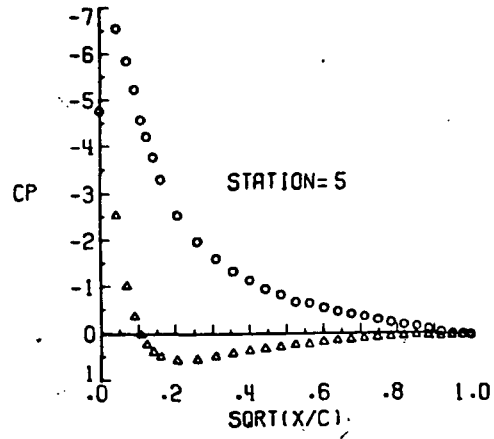
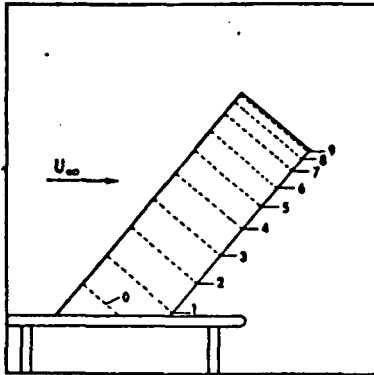
UPPER-○ LOWER-△



(k) $\alpha = 14.94^\circ$

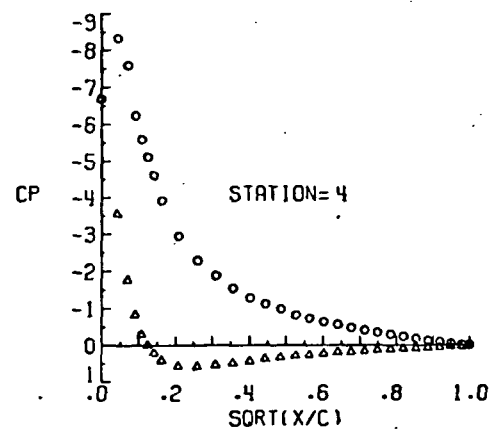
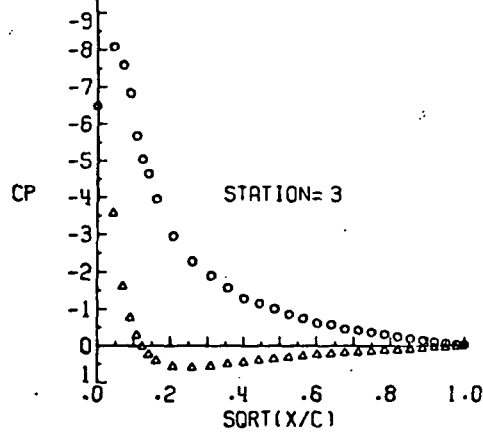
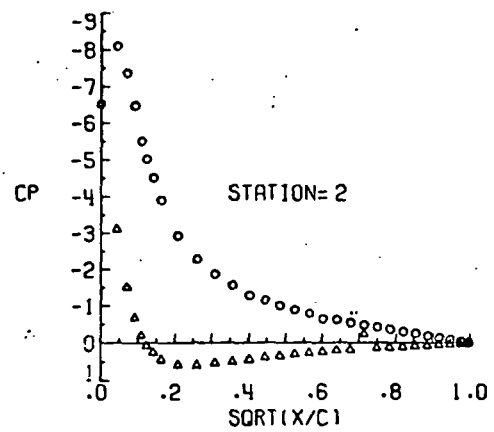
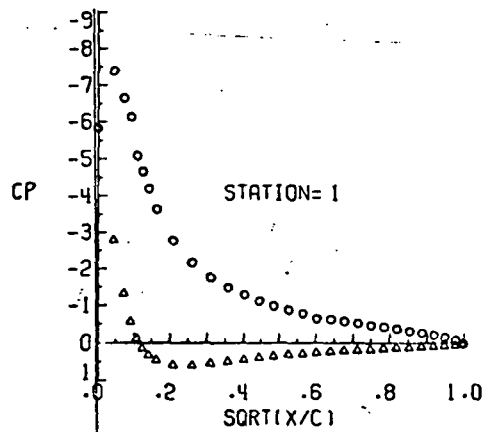
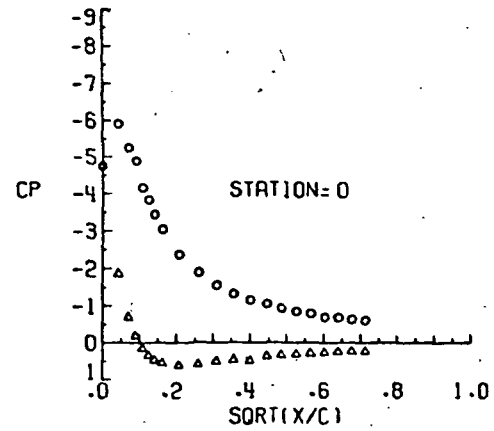
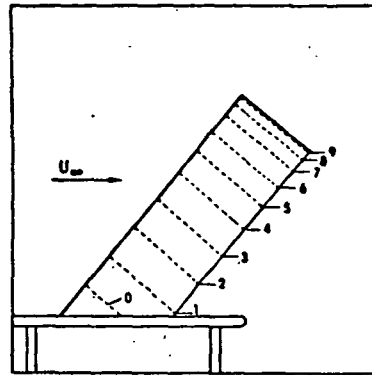
Figure 6. - Continued.

UPPER- O LOWER- Δ



(k) Concluded.
Figure 6. - Continued.

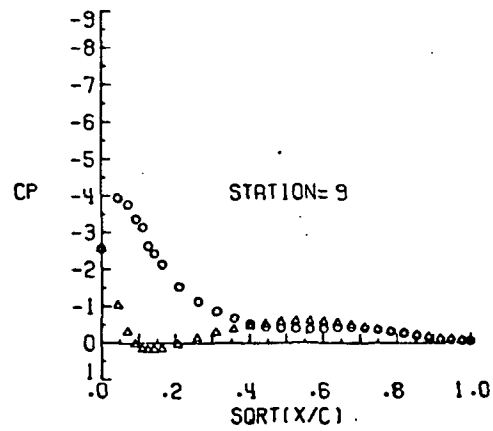
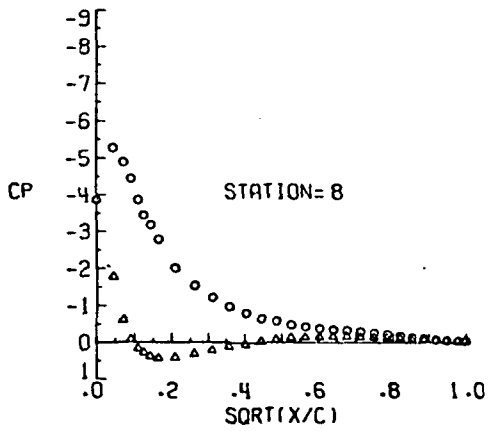
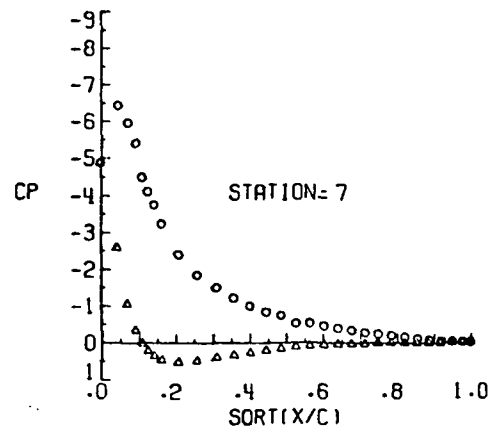
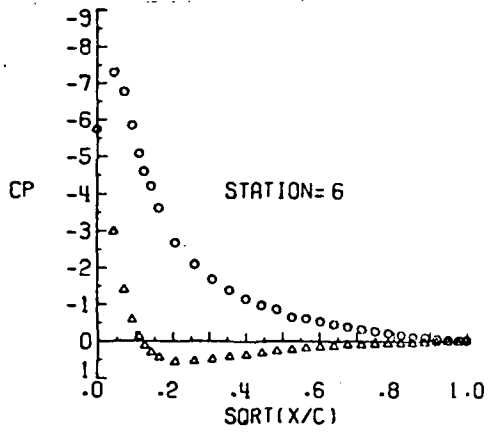
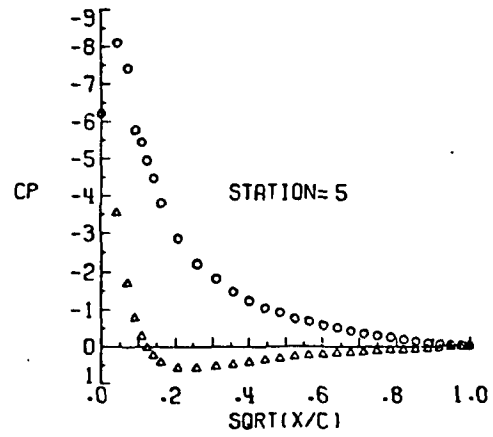
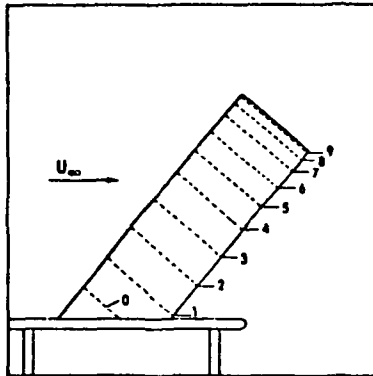
UPPER- O LOWER- Δ



(1) $\alpha = 17.01^\circ$

Figure 6. - Continued.

UPPER- O LOWER- Δ



(1) Concluded.

Figure 6. - Concluded.

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				6. Performing Organization Code	
7. Author(s) Long P. Yip and Gary L. Shubert				8. Performing Organization Report No.	
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15. Supplementary Notes Long P. Yip, Langley Research Center, Hampton, Va. Gary L. Shubert, JIAFS, George Washington University, Hampton, Va.					
16. Abstract Previous pressure data have been presented on a 1- by 3-meter semispan wing which has streamwise tip fairings for the various sweep angles. The present report contains pressure distributions on a 1- by 3-meter semispan wing with a tip that is streamwise at 0° sweep. This tip becomes nonstreamwise as the wing is swept. At 0° sweep angle, the semispan wing has a taper ratio of 1.0 and NACA 0012 airfoil section contours. The test was conducted in the Langley V/STOL tunnel at a free-stream dynamic pressure of 2.46 kPa (51 lbf/ft ²). Pressure distributions are presented for sweep angles of 10°, 20°, 30°, and 40° with an angle-of-attack range from -6° to 20°. The data are presented without analysis or discussion.					
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