Appendix C

Experimental Surface Pressure Data for 65° Delta Wing, M_∞ = 0.85

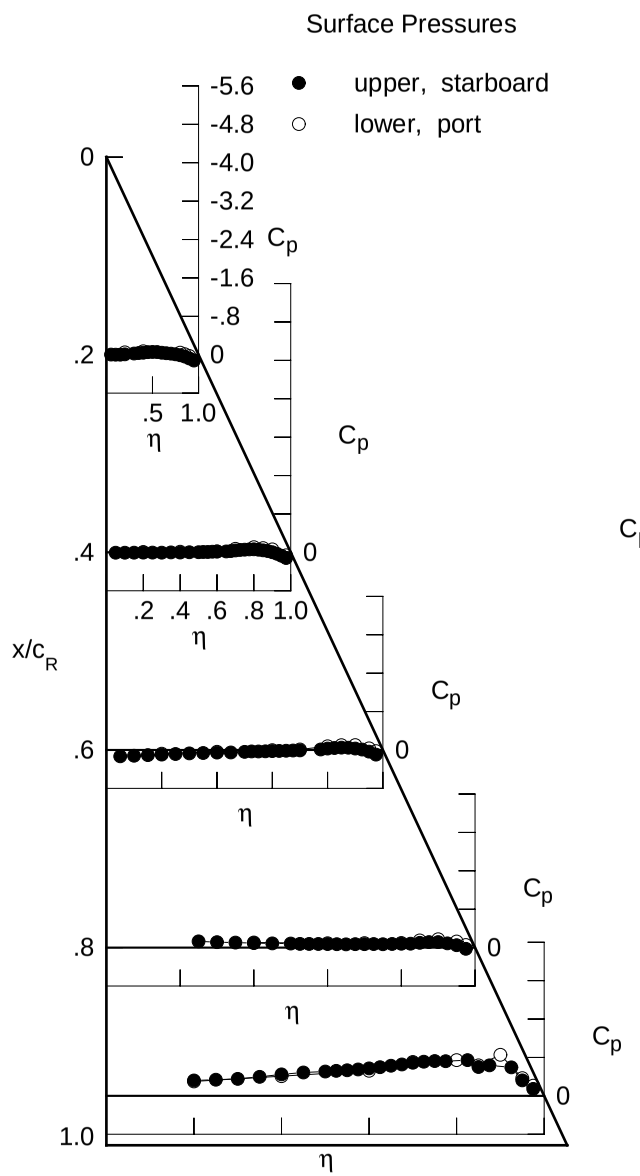
The experimental surface pressure data for the 65° delta wing at constant M_∞ = 0.85 are summarized in tables C1–C3. Because of the extensive data contained in these tables, they have not been included in the printed copy of the paper but are available electronically from the Langley Technical Report Server (LTRS). Open the files with the following Uniform Resource Locator (URL):

ftp://techreports.larc.nasa.gov/pub/techreports/larc/96/NASA-96-tm4645vol1appC.ps.Z

Table C1. Tabulations and Plots of Surface Pressure Coefficients.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.0033	0.0074	0.1321	*******	*******
0.100	-0.0007	0.0069	0.1203	*******	*******
0.150	-0.0005	0.0063	0.1072	*******	*******
0.200	-0.0078	0.0051	0.0959	*******	-0.3202
0.250	*******	0.0044	0.0839	-0.1308	-0.3361
0.300	-0.0244	0.0061	0.0712	-0.1134	-0.3537
0.350	-0.0349	0.0007	0.0634	-0.1047	-0.3959
0.400	-0.0419	0.0035	0.0546	-0.0942	-0.4471
0.450	-0.0532	-0.0027	0.0518	-0.0881	-0.4866
0.500	-0.0579	-0.0035	0.0393	-0.0852	-0.5063
0.525	*******	-0.0084	0.0307	-0.0779	-0.5210
0.550	-0.0557	-0.0079	0.0312	-0.0770	-0.5327
0.575	*******	-0.0138	0.0283	-0.0758	-0.5492
0.600	-0.0417	-0.0160	0.0234	-0.0746	-0.5723
0.625	*******	*******	0.0197	-0.0715	-0.5970
0.650	-0.0309	-0.0189	0.0163	-0.0681	-0.6269
0.675	*******	-0.0269	0.0111	-0.0724	-0.6539
0.700	-0.0226	-0.0401	0.0087	-0.0723	-0.6898
0.725	*******	-0.0501	*******	-0.0741	-0.7115
0.750	-0.0089	-0.0560	*******	-0.0706	-0.7251
0.775	*******	-0.0620	-0.0103	-0.0763	-0.7215
0.800	0.0103	-0.0638	-0.0298	-0.0807	*******
0.825	*******	-0.0553	-0.0408	-0.0812	-0.7437
0.850	0.0377	-0.0425	-0.0490	-0.1001	-0.6006
0.875	*******	-0.0277	-0.0471	-0.1154	-0.6350
0.900	0.0778	-0.0034	-0.0296	-0.1155	*******
0.925	*******	0.0287	-0.0089	-0.0888	-0.5934
0.950	0.1217	0.0704	0.0347	-0.0503	-0.3227
0.975	*******	0.1173	0.0965	0.0248	-0.1450

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	-0.0492	-0.0077	0.0774	*******	-0.3004
-0.400	-0.0723	-0.0134	0.0375	-0.1066	-0.4096
-0.600	*******	-0.0217	0.0043	-0.0909	-0.5223
-0.700	*******	-0.0747	-0.0105	-0.0932	-0.7057
-0.800	-0.0436	-0.1080	-0.0768	-0.0966	-0.7440
-0.850	-0.0111	-0.0890	-0.1001	-0.1497	-0.6350
-0.900	0.0264	-0.0621	-0.1013	-0.1748	-0.8556
-0.950	*******	*******	-0.0335	-0.1274	-0.3685
-0.975	*******	0.0610	0.0237	-0.0541	-0.2124



Sharp Radius L.E.

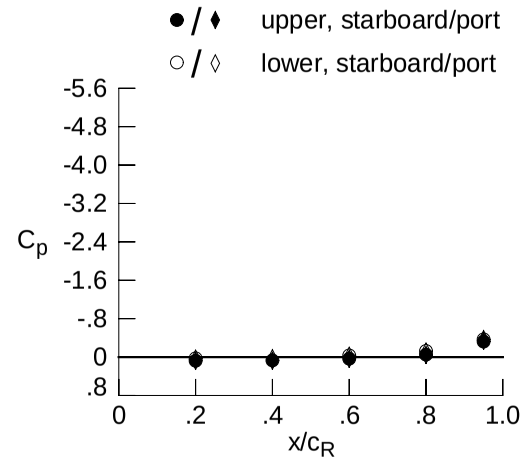
Run No. = 88 , Point No. = 1931

C_N = -0.041, C_m = 0.0125

α = -0.4 °, M_∞ = 0.850

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge

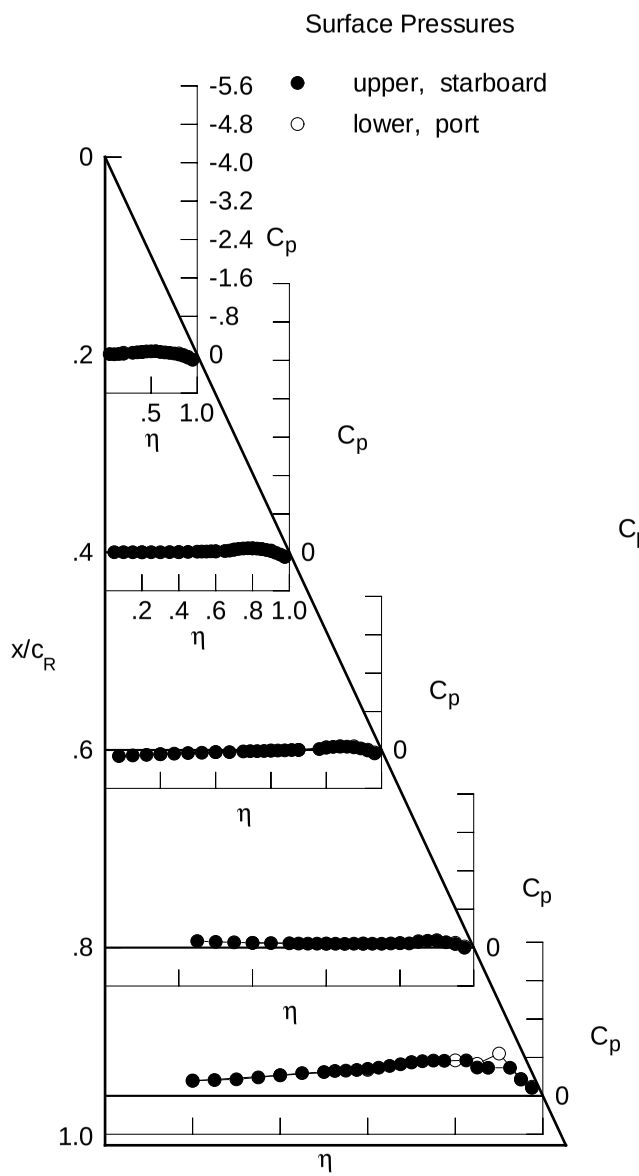


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	0.0778	0.0797	0.0313	0.0264
0.40	0.95	0.0704	0.0759	0.0227	*******
0.60	0.95	0.0347	0.0374	-0.0288	-0.0335
0.80	0.95	-0.0503	-0.0438	-0.1166	-0.1274
0.95	0.95	-0.3227	-0.3393	-0.3753	-0.3685

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.0140	-0.0032	0.1272	*******	*******
0.100	-0.0096	-0.0028	0.1137	*******	*******
0.150	-0.0157	-0.0026	0.1018	*******	*******
0.200	-0.0209	-0.0007	0.0893	*******	-0.3203
0.250	*******	-0.0035	0.0771	-0.1363	-0.3298
0.300	-0.0408	-0.0027	0.0637	-0.1189	-0.3444
0.350	-0.0504	-0.0059	0.0579	-0.1108	-0.3837
0.400	-0.0579	-0.0073	0.0456	-0.0980	-0.4304
0.450	-0.0678	-0.0099	0.0447	-0.0944	-0.4736
0.500	-0.0708	-0.0147	0.0306	-0.0906	-0.4957
0.525	*******	-0.0165	0.0248	-0.0848	-0.5185
0.550	-0.0733	-0.0170	0.0236	-0.0828	-0.5247
0.575	*******	-0.0225	0.0208	-0.0827	-0.5388
0.600	-0.0573	-0.0240	0.0147	-0.0796	-0.5617
0.625	*******	*******	0.0114	-0.0810	-0.5867
0.650	-0.0480	-0.0280	0.0082	-0.0777	-0.6234
0.675	*******	-0.0369	0.0009	-0.0813	-0.6577
0.700	-0.0387	-0.0594	0.0003	-0.0794	-0.6952
0.725	*******	-0.0728	*******	-0.0810	-0.7214
0.750	-0.0254	-0.0805	*******	-0.0801	-0.7344
0.775	*******	-0.0864	-0.0194	-0.0867	-0.7306
0.800	-0.0067	-0.0825	-0.0472	-0.0920	*******
0.825	*******	-0.0787	-0.0649	-0.0879	-0.7379
0.850	0.0215	-0.0665	-0.0692	-0.1194	-0.5898
0.875	*******	-0.0497	-0.0679	-0.1428	-0.5848
0.900	0.0603	-0.0282	-0.0550	-0.1383	*******
0.925	*******	0.0075	-0.0319	-0.1117	-0.5848
0.950	0.1057	0.0454	0.0096	-0.0751	-0.3380
0.975	*******	0.0961	0.0714	0.0022	-0.1662

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	-0.0408	-0.0026	0.0874	*******	-0.3122
-0.400	-0.0554	-0.0036	0.0432	-0.1001	-0.4275
-0.600	*******	-0.0180	0.0113	-0.0859	-0.5405
-0.700	*******	-0.0561	-0.0033	-0.0871	-0.7024
-0.800	-0.0269	-0.0866	-0.0574	-0.0943	-0.7392
-0.850	0.0057	-0.0694	-0.0786	-0.1338	-0.6663
-0.900	0.0438	-0.0385	-0.0768	-0.1549	-0.8808
-0.950	*******	*******	-0.0062	-0.1005	-0.3512
-0.975	*******	0.0849	0.0518	-0.0240	-0.1893



Sharp Radius L.E.

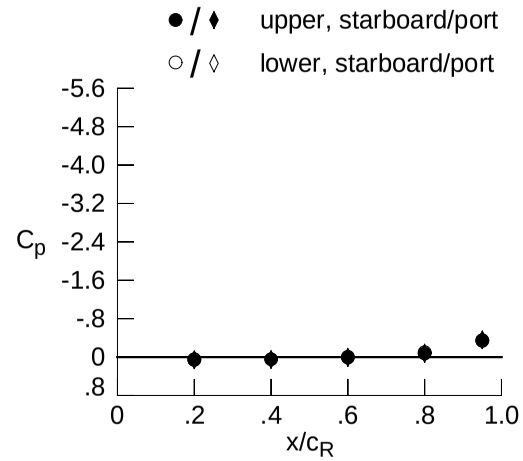
Run No. = 88 , Point No. = 1932

C_N = -0.022, C_m = 0.0102

α = 0.0 °, M_∞ = 0.850

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge



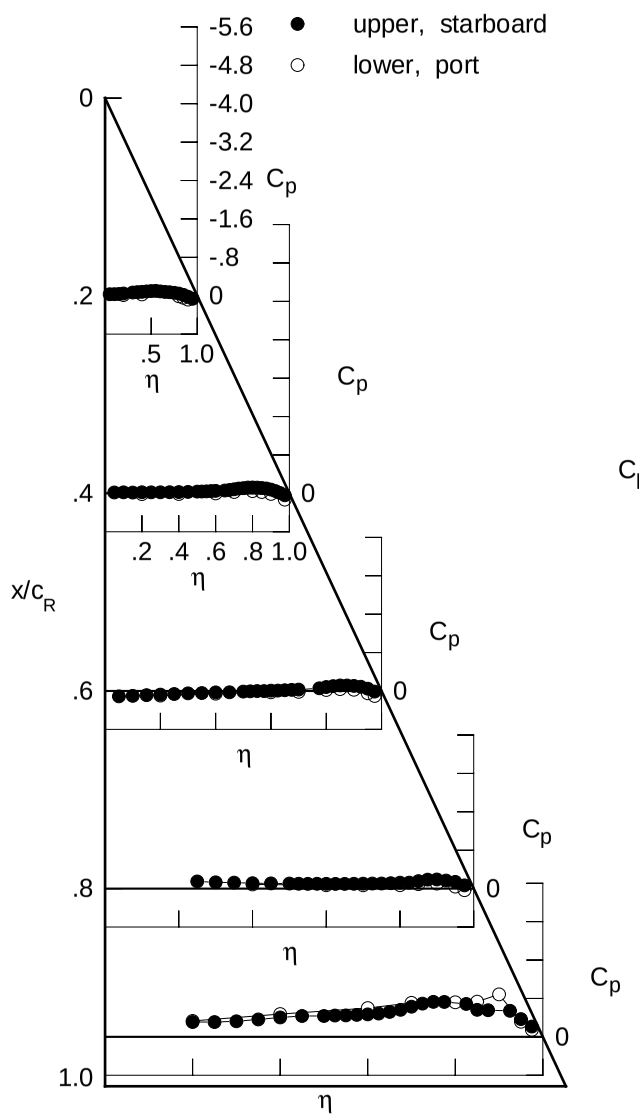
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	0.0603	0.0626	0.0491	0.0438
0.40	0.95	0.0454	0.0535	0.0451	*******
0.60	0.95	0.0096	0.0150	-0.0028	-0.0062
0.80	0.95	-0.0751	-0.0697	-0.0890	-0.1005
0.95	0.95	-0.3380	-0.3553	-0.3652	-0.3512

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.0314	-0.0183	0.1117	*******	*******
0.100	-0.0318	-0.0213	0.1018	*******	*******
0.150	-0.0360	-0.0170	0.0872	*******	*******
0.200	-0.0461	-0.0228	0.0758	*******	-0.3090
0.250	*******	-0.0214	0.0631	-0.1494	-0.3082
0.300	-0.0660	-0.0222	0.0500	-0.1314	-0.3243
0.350	-0.0747	-0.0242	0.0433	-0.1249	-0.3627
0.400	-0.0806	-0.0271	0.0300	-0.1126	-0.4036
0.450	-0.0898	-0.0304	0.0272	-0.1087	-0.4347
0.500	-0.0967	-0.0366	0.0125	-0.1057	-0.4345
0.525	*******	-0.0387	0.0070	-0.1015	-0.4442
0.550	-0.1008	-0.0415	0.0016	-0.0992	-0.4464
0.575	*******	-0.0479	0.0021	-0.1006	-0.4573
0.600	-0.0896	-0.0522	-0.0064	-0.0999	-0.4676
0.625	*******	*******	-0.0081	-0.0983	-0.4852
0.650	-0.0794	-0.0592	-0.0152	-0.0981	-0.5195
0.675	*******	-0.0700	-0.0229	-0.1011	-0.5634
0.700	-0.0726	-0.0850	-0.0284	-0.1032	-0.6281
0.725	*******	-0.1007	*******	-0.1056	-0.6921
0.750	-0.0618	-0.1077	*******	-0.1061	-0.7285
0.775	*******	-0.1214	-0.0561	-0.1126	-0.7268
0.800	-0.0453	-0.1230	-0.0824	-0.1236	*******
0.825	*******	-0.1199	-0.1010	-0.1250	-0.6855
0.850	-0.0187	-0.1122	-0.1155	-0.1557	-0.5630
0.875	*******	-0.1019	-0.1142	-0.1869	-0.5541
0.900	0.0213	-0.0789	-0.1060	-0.1904	*******
0.925	*******	-0.0470	-0.0879	-0.1678	-0.5426
0.950	0.0631	-0.0068	-0.0477	-0.1406	-0.3693
0.975	*******	0.0397	0.0129	-0.0679	-0.2140

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	-0.0135	0.0148	0.0963	*******	-0.3311
-0.400	-0.0268	0.0128	0.0563	-0.0869	-0.4742
-0.600	*******	0.0011	0.0271	-0.0706	-0.5994
-0.700	*******	-0.0292	0.0180	-0.0699	-0.7080
-0.800	0.0111	-0.0469	-0.0212	-0.0719	-0.7200
-0.850	0.0426	-0.0282	-0.0393	-0.0927	-0.7330
-0.900	0.0809	0.0112	-0.0259	-0.1048	-0.8845
-0.950	*******	*******	0.0478	-0.0413	-0.3153
-0.975	*******	0.1308	0.1043	0.0326	-0.1465

Surface Pressures



Sharp Radius L.E.

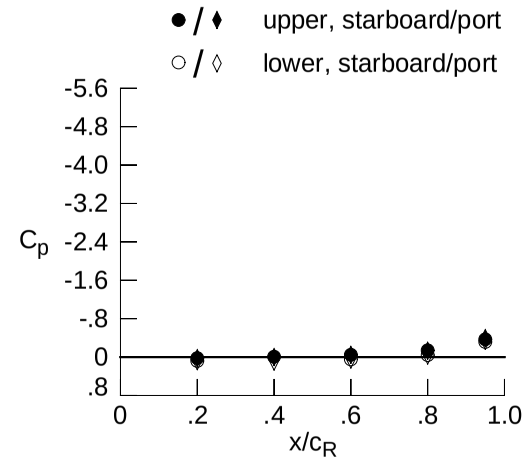
Run No. = 88 , Point No. = 1933

C_N = 0.023, C_m = -0.0009

α = 1.1 °, M_∞ = 0.851

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge



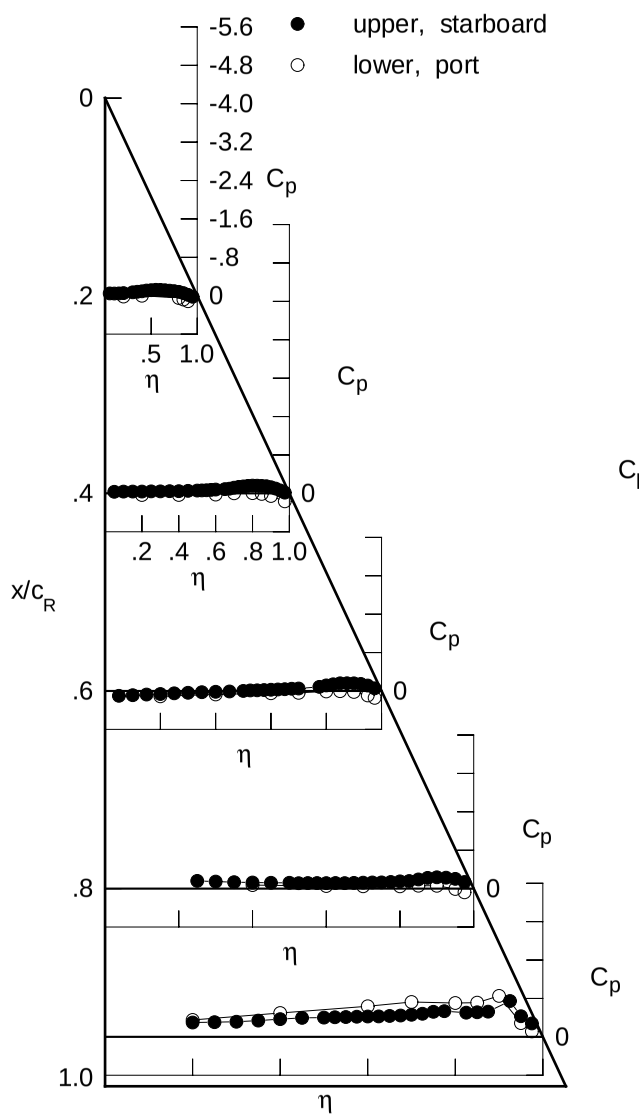
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	0.0213	0.0225	0.0854	0.0809
0.40	0.95	-0.0068	0.0001	0.0926	*******
0.60	0.95	-0.0477	-0.0468	0.0502	0.0478
0.80	0.95	-0.1406	-0.1330	-0.0332	-0.0413
0.95	0.95	-0.3693	-0.3949	-0.3390	-0.3153

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.0477	-0.0325	0.1008	*******	*******
0.100	-0.0456	-0.0364	0.0882	*******	*******
0.150	-0.0483	-0.0377	0.0744	*******	*******
0.200	-0.0544	-0.0373	0.0633	*******	-0.2984
0.250	*******	-0.0419	0.0486	-0.1605	-0.3057
0.300	-0.0712	-0.0415	0.0373	-0.1463	-0.3144
0.350	-0.0826	-0.0457	0.0254	-0.1347	-0.3384
0.400	-0.0920	-0.0456	0.0169	-0.1276	-0.3690
0.450	-0.1081	-0.0532	0.0108	-0.1212	-0.3954
0.500	-0.1149	-0.0587	-0.0009	-0.1214	-0.4009
0.525	*******	-0.0617	-0.0110	-0.1130	-0.4080
0.550	-0.1229	-0.0647	-0.0136	-0.1162	-0.4125
0.575	*******	-0.0725	-0.0195	-0.1161	-0.4195
0.600	-0.1219	-0.0790	-0.0259	-0.1143	-0.4237
0.625	*******	*******	-0.0312	-0.1171	-0.4255
0.650	-0.1142	-0.0879	-0.0369	-0.1146	-0.4356
0.675	*******	-0.0976	-0.0466	-0.1192	-0.4438
0.700	-0.1058	-0.1183	-0.0513	-0.1241	-0.4596
0.725	*******	-0.1354	*******	-0.1276	-0.4808
0.750	-0.0955	-0.1445	*******	-0.1297	-0.5215
0.775	*******	-0.1564	-0.0860	-0.1385	-0.5343
0.800	-0.0804	-0.1618	-0.1157	-0.1513	*******
0.825	*******	-0.1602	-0.1391	-0.1583	-0.5035
0.850	-0.0546	-0.1553	-0.1597	-0.1915	-0.5121
0.875	*******	-0.1490	-0.1610	-0.2238	-0.5249
0.900	-0.0181	-0.1283	-0.1592	-0.2356	*******
0.925	*******	-0.0998	-0.1466	-0.2276	-0.7466
0.950	0.0216	-0.0617	-0.1135	-0.2033	-0.4293
0.975	*******	-0.0156	-0.0550	-0.1372	-0.2793

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.0170	0.0338	0.1112	*******	-0.3517
-0.400	0.0004	0.0325	0.0718	-0.0735	-0.4964
-0.600	*******	0.0248	0.0474	-0.0548	-0.6372
-0.700	*******	-0.0015	0.0384	-0.0487	-0.7256
-0.800	0.0470	-0.0046	0.0099	-0.0477	-0.7047
-0.850	0.0788	0.0113	0.0041	-0.0611	-0.7123
-0.900	0.1146	0.0546	0.0200	-0.0589	-0.8531
-0.950	*******	*******	0.0924	0.0069	-0.2867
-0.975	*******	0.1655	0.1435	0.0765	-0.1139

Surface Pressures



Sharp Radius L.E.

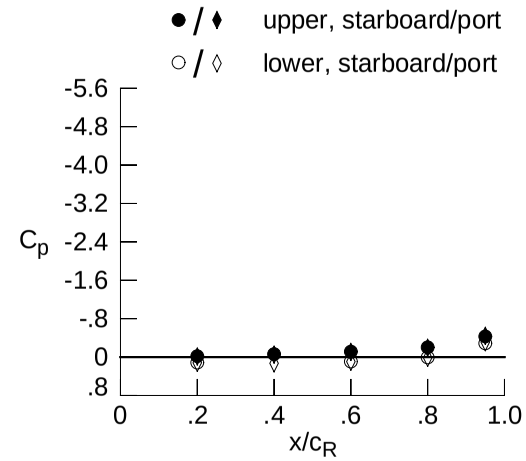
Run No. = 88 , Point No. = 1934

C_N = 0.062, C_m = -0.0061

α = 2.1 °, M_∞ = 0.851

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge



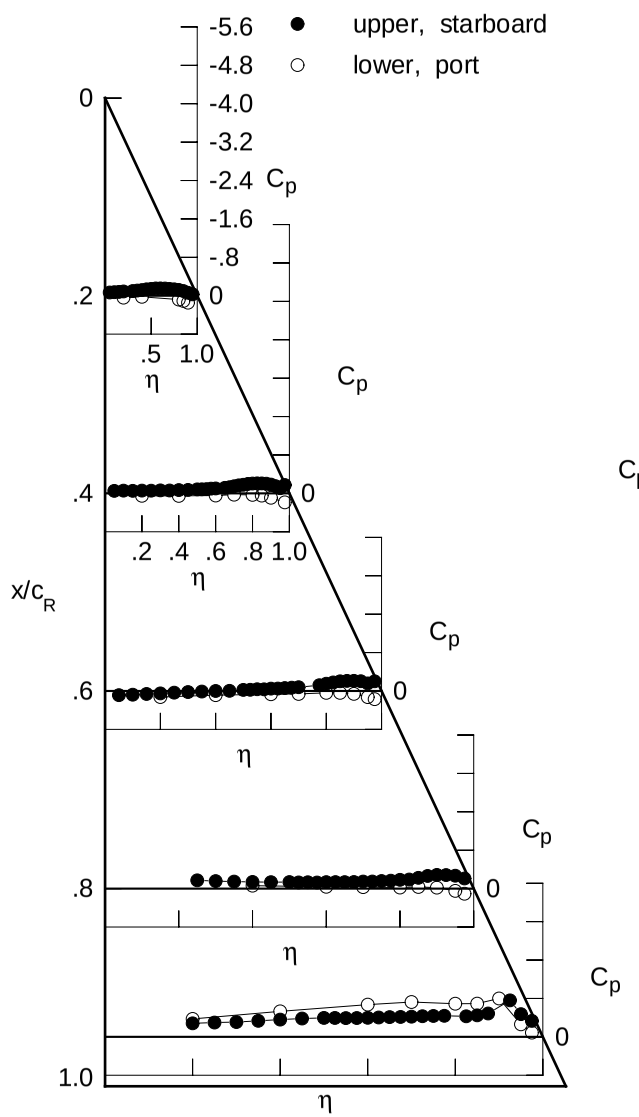
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.0181	-0.0138	0.1194	0.1146
0.40	0.95	-0.0617	-0.0520	0.1307	*******
0.60	0.95	-0.1135	-0.1074	0.0956	0.0924
0.80	0.95	-0.2033	-0.1943	0.0153	0.0069
0.95	0.95	-0.4293	-0.4428	-0.3099	-0.2867

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.0674	-0.0517	0.0868	*******	*******
0.100	-0.0737	-0.0566	0.0774	*******	*******
0.150	-0.0793	-0.0527	0.0621	*******	*******
0.200	-0.0892	-0.0577	0.0506	*******	-0.2815
0.250	*******	-0.0558	0.0351	-0.1729	-0.2980
0.300	-0.0977	-0.0621	0.0227	-0.1566	-0.3078
0.350	-0.1083	-0.0603	0.0123	-0.1461	-0.3335
0.400	-0.1179	-0.0690	0.0001	-0.1395	-0.3593
0.450	-0.1337	-0.0721	-0.0030	-0.1346	-0.3815
0.500	-0.1420	-0.0830	-0.0223	-0.1366	-0.3948
0.525	*******	-0.0849	-0.0249	-0.1291	-0.3936
0.550	-0.1519	-0.0880	-0.0363	-0.1329	-0.3904
0.575	*******	-0.0984	-0.0345	-0.1271	-0.3924
0.600	-0.1531	-0.1027	-0.0490	-0.1351	-0.3966
0.625	*******	*******	-0.0507	-0.1362	-0.4030
0.650	-0.1505	-0.1151	-0.0611	-0.1353	-0.4114
0.675	*******	-0.1277	-0.0688	-0.1375	-0.4147
0.700	-0.1419	-0.1479	-0.0781	-0.1473	-0.4204
0.725	*******	-0.1670	*******	-0.1479	-0.4293
0.750	-0.1336	-0.1793	*******	-0.1581	-0.4351
0.775	*******	-0.1970	-0.1197	-0.1658	-0.4385
0.800	-0.1208	-0.2047	-0.1515	-0.1836	*******
0.825	*******	-0.2085	-0.1780	-0.1893	-0.4276
0.850	-0.0978	-0.2070	-0.2013	-0.2252	-0.4478
0.875	*******	-0.2013	-0.2107	-0.2642	-0.4861
0.900	-0.0614	-0.1831	-0.2114	-0.2855	*******
0.925	*******	-0.1507	-0.2031	-0.2825	-0.7603
0.950	-0.0288	-0.1084	-0.1578	-0.2688	-0.4732
0.975	*******	-0.1744	-0.2016	-0.2109	-0.3325

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.0396	0.0506	0.1262	*******	-0.3733
-0.400	0.0225	0.0525	0.0870	-0.0615	-0.5311
-0.600	*******	0.0447	0.0682	-0.0380	-0.6711
-0.700	*******	0.0268	0.0613	-0.0316	-0.7253
-0.800	0.0799	0.0311	0.0391	-0.0228	-0.6900
-0.850	0.1085	0.0466	0.0388	-0.0345	-0.6923
-0.900	0.1445	0.0915	0.0597	-0.0207	-0.7994
-0.950	*******	*******	0.1277	0.0471	-0.2606
-0.975	*******	0.1872	0.1706	0.1066	-0.0883

Surface Pressures



Sharp Radius L.E.

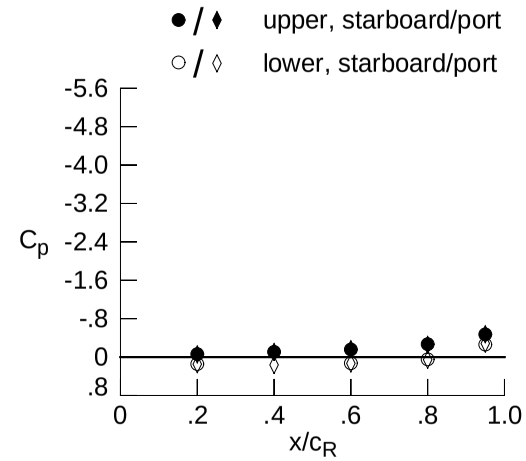
Run No. = 88 , Point No. = 1935

C_N = 0.103, C_m = -0.0129

α = 3.2 °, M_∞ = 0.851

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge



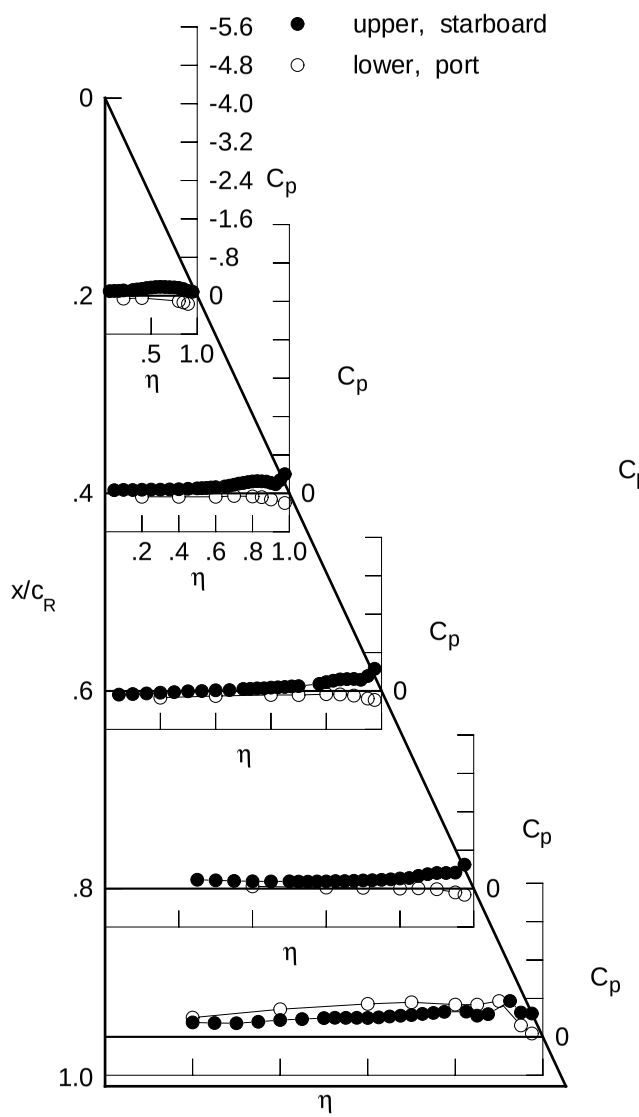
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.0614	-0.0568	0.1484	0.1445
0.40	0.95	-0.1084	-0.1068	0.1630	*******
0.60	0.95	-0.1578	-0.1647	0.1323	0.1277
0.80	0.95	-0.2688	-0.2543	0.0555	0.0471
0.95	0.95	-0.4732	-0.4759	-0.2829	-0.2606

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.0948	-0.0666	0.0759	*******	*******
0.100	-0.0999	-0.0728	0.0643	*******	*******
0.150	-0.1009	-0.0698	0.0514	*******	*******
0.200	-0.1104	-0.0761	0.0358	*******	-0.2999
0.250	*******	-0.0788	0.0242	-0.1849	-0.2876
0.300	-0.1182	-0.0774	0.0067	-0.1721	-0.2833
0.350	-0.1317	-0.0821	0.0014	-0.1604	-0.3135
0.400	-0.1415	-0.0865	-0.0147	-0.1531	-0.3507
0.450	-0.1592	-0.0960	-0.0184	-0.1500	-0.3699
0.500	-0.1703	-0.1049	-0.0418	-0.1520	-0.3906
0.525	*******	-0.1088	-0.0438	-0.1466	-0.3980
0.550	-0.1811	-0.1132	-0.0547	-0.1448	-0.3963
0.575	*******	-0.1222	-0.0556	-0.1493	-0.3970
0.600	-0.1845	-0.1289	-0.0696	-0.1499	-0.3933
0.625	*******	*******	-0.0760	-0.1574	-0.4060
0.650	-0.1818	-0.1440	-0.0832	-0.1569	-0.4238
0.675	*******	-0.1599	-0.0952	-0.1631	-0.4398
0.700	-0.1778	-0.1799	-0.1010	-0.1701	-0.4536
0.725	*******	-0.2029	*******	-0.1748	-0.4776
0.750	-0.1734	-0.2162	*******	-0.1830	-0.4976
0.775	*******	-0.2345	-0.1474	-0.1933	-0.5205
0.800	-0.1623	-0.2488	-0.1846	-0.2110	*******
0.825	*******	-0.2551	-0.2139	-0.2209	-0.5255
0.850	-0.1393	-0.2515	-0.2411	-0.2653	-0.4407
0.875	*******	-0.2457	-0.2472	-0.3012	-0.4727
0.900	-0.1017	-0.2174	-0.2506	-0.3256	*******
0.925	*******	-0.1912	-0.2329	-0.3254	-0.7471
0.950	-0.0825	-0.2754	-0.3114	-0.3325	-0.5062
0.975	*******	-0.3999	-0.4625	-0.4990	-0.4864

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.0605	0.0709	0.1399	*******	-0.4006
-0.400	0.0480	0.0721	0.1048	-0.0468	-0.5745
-0.600	*******	0.0716	0.0830	-0.0216	-0.6861
-0.700	*******	0.0547	0.0845	-0.0169	-0.7201
-0.800	0.1114	0.0650	0.0668	-0.0001	-0.6713
-0.850	0.1389	0.0793	0.0717	-0.0067	-0.6701
-0.900	0.1707	0.1265	0.0957	0.0117	-0.7459
-0.950	*******	*******	0.1584	0.0794	-0.2384
-0.975	*******	0.2008	0.1874	0.1278	-0.0692

Surface Pressures



Sharp Radius L.E.

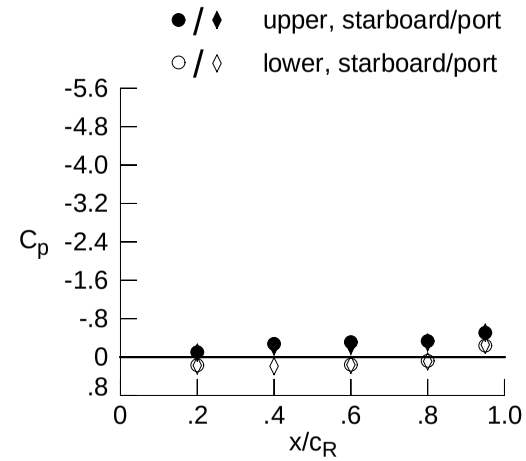
Run No. = 88 , Point No. = 1936

C_N = 0.153, C_m = -0.0243

α = 4.2 °, M_∞ = 0.851

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge



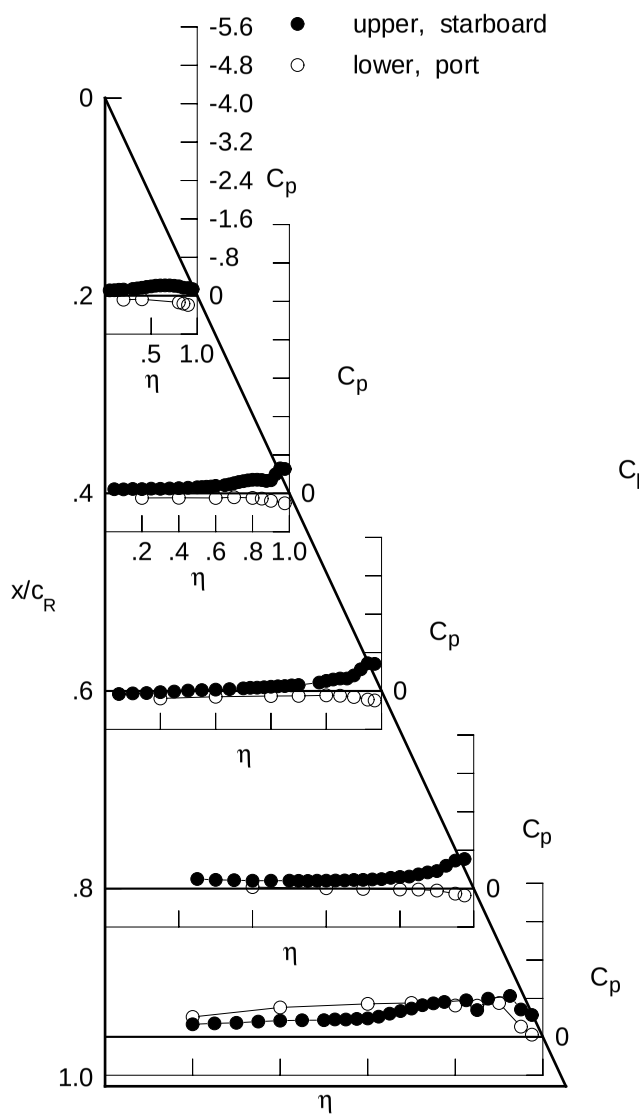
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.1017	-0.0947	0.1744	0.1707
0.40	0.95	-0.2754	-0.2221	0.1893	*******
0.60	0.95	-0.3114	-0.2390	0.1600	0.1584
0.80	0.95	-0.3325	-0.3046	0.0888	0.0794
0.95	0.95	-0.5062	-0.5111	-0.2571	-0.2384

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.1118	-0.0867	0.0631	*******	*******
0.100	-0.1144	-0.0835	0.0503	*******	*******
0.150	-0.1237	-0.0920	0.0429	*******	*******
0.200	-0.1279	-0.0888	0.0247	*******	-0.2616
0.250	*******	-0.0985	0.0116	-0.2008	-0.2803
0.300	-0.1398	-0.0952	-0.0088	-0.1823	-0.2922
0.350	-0.1531	-0.1027	-0.0183	-0.1758	-0.3179
0.400	-0.1657	-0.1087	-0.0279	-0.1651	-0.3369
0.450	-0.1821	-0.1178	-0.0387	-0.1651	-0.3456
0.500	-0.1946	-0.1273	-0.0545	-0.1658	-0.3472
0.525	*******	-0.1313	-0.0666	-0.1623	-0.3627
0.550	-0.2085	-0.1375	-0.0691	-0.1597	-0.3610
0.575	*******	-0.1426	-0.0774	-0.1650	-0.3732
0.600	-0.2140	-0.1561	-0.0877	-0.1658	-0.3834
0.625	*******	*******	-0.0980	-0.1685	-0.4203
0.650	-0.2154	-0.1703	-0.1021	-0.1707	-0.4822
0.675	*******	-0.1883	-0.1169	-0.1805	-0.5370
0.700	-0.2142	-0.2120	-0.1239	-0.1826	-0.5886
0.725	*******	-0.2362	*******	-0.1916	-0.6589
0.750	-0.2069	-0.2539	*******	-0.1973	-0.6976
0.775	*******	-0.2711	-0.1749	-0.2250	-0.7268
0.800	-0.1959	-0.2834	-0.2107	-0.2435	*******
0.825	*******	-0.2840	-0.2384	-0.2510	-0.7619
0.850	-0.1660	-0.2786	-0.2595	-0.2969	-0.5580
0.875	*******	-0.2591	-0.2588	-0.3373	-0.7953
0.900	-0.1591	-0.2733	-0.3238	-0.3658	*******
0.925	*******	-0.3975	-0.4518	-0.4761	-0.8521
0.950	-0.1373	-0.5205	-0.5775	-0.5840	-0.5698
0.975	*******	-0.5082	-0.5651	-0.6172	-0.4549

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.0820	0.0956	0.1557	*******	-0.4143
-0.400	0.0740	0.0921	0.1204	-0.0308	-0.6122
-0.600	*******	0.0959	0.1057	-0.0083	-0.6874
-0.700	*******	0.0810	0.1021	0.0062	-0.7056
-0.800	0.1385	0.0953	0.0914	0.0185	-0.6529
-0.850	0.1644	0.1098	0.0995	0.0200	-0.6493
-0.900	0.1922	0.1553	0.1255	0.0410	-0.7042
-0.950	*******	*******	0.1802	0.1051	-0.2128
-0.975	*******	0.2066	0.1976	0.1425	-0.0455

Surface Pressures



Sharp Radius L.E.

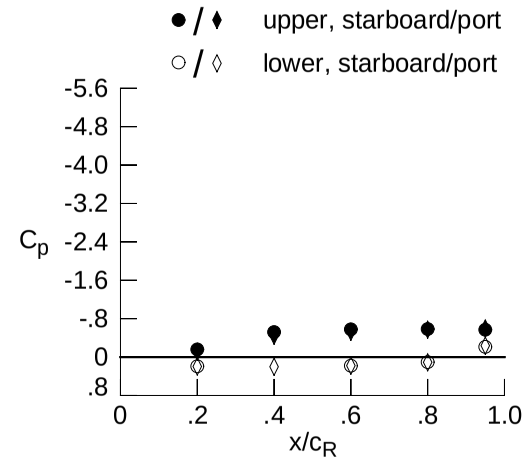
Run No. = 88 , Point No. = 1937

C_N = 0.199, C_m = -0.0335

α = 5.2 °, M_∞ = 0.851

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge



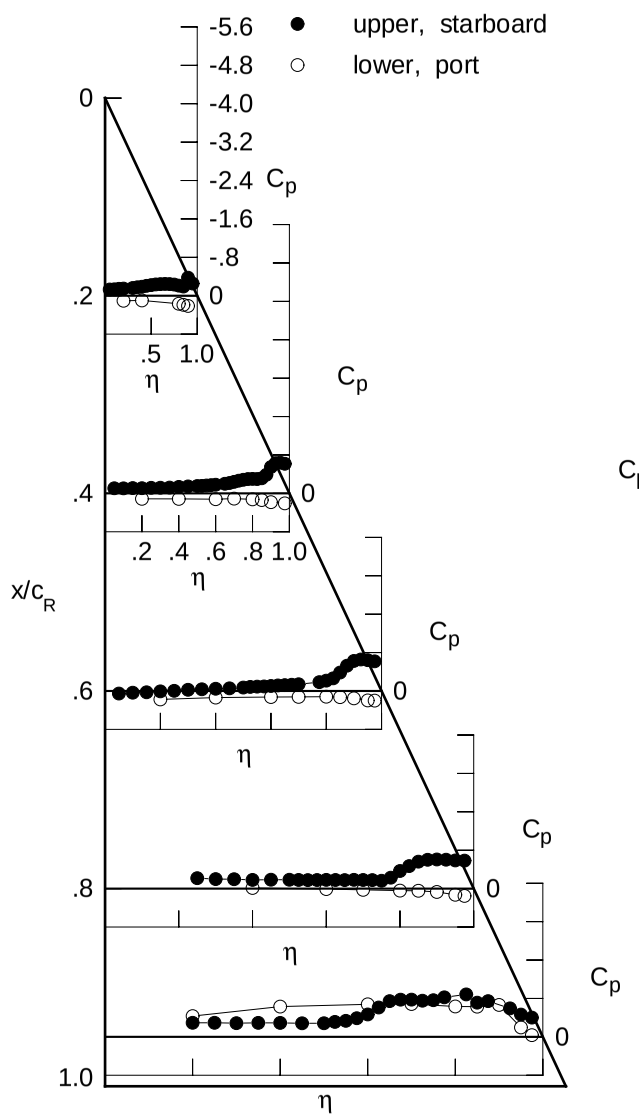
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.1591	-0.1118	0.1959	0.1922
0.40	0.95	-0.5205	-0.4447	0.2019	*******
0.60	0.95	-0.5775	-0.5271	0.1786	0.1802
0.80	0.95	-0.5840	-0.5719	0.1089	0.1051
0.95	0.95	-0.5698	-0.5979	-0.2373	-0.2128

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.1292	-0.1064	0.0536	*******	*******
0.100	-0.1334	-0.1051	0.0360	*******	*******
0.150	-0.1439	-0.1102	0.0269	*******	*******
0.200	-0.1488	-0.1081	0.0078	*******	-0.2928
0.250	*******	-0.1162	-0.0030	-0.2178	-0.2929
0.300	-0.1608	-0.1172	-0.0250	-0.1988	-0.2850
0.350	-0.1758	-0.1205	-0.0355	-0.1958	-0.2915
0.400	-0.1874	-0.1349	-0.0464	-0.1815	-0.2905
0.450	-0.2066	-0.1446	-0.0552	-0.1854	-0.2824
0.500	-0.2206	-0.1530	-0.0714	-0.1849	-0.2832
0.525	*******	-0.1548	-0.0852	-0.1808	-0.3109
0.550	-0.2352	-0.1643	-0.0904	-0.1778	-0.3333
0.575	*******	-0.1716	-0.0945	-0.1789	-0.3882
0.600	-0.2414	-0.1803	-0.1043	-0.1820	-0.4663
0.625	*******	*******	-0.1154	-0.1801	-0.6114
0.650	-0.2455	-0.1998	-0.1215	-0.1778	-0.7438
0.675	*******	-0.2160	-0.1293	-0.1836	-0.7744
0.700	-0.2427	-0.2401	-0.1403	-0.1803	-0.7752
0.725	*******	-0.2640	*******	-0.1779	-0.7529
0.750	-0.2327	-0.2831	*******	-0.1636	-0.7629
0.775	*******	-0.2988	-0.1839	-0.2279	-0.8230
0.800	-0.2107	-0.3012	-0.2155	-0.3671	*******
0.825	*******	-0.2988	-0.2629	-0.4694	-0.8840
0.850	-0.1912	-0.3145	-0.3837	-0.5614	-0.7120
0.875	*******	-0.3873	-0.5264	-0.6006	-0.7437
0.900	-0.3757	-0.5488	-0.6257	-0.6072	*******
0.925	*******	-0.6292	-0.6556	-0.6025	-0.5933
0.950	-0.2536	-0.6402	-0.6412	-0.5869	-0.4642
0.975	*******	-0.6170	-0.6176	-0.5832	-0.4009

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.1050	0.1136	0.1757	*******	-0.4323
-0.400	0.0981	0.1150	0.1378	-0.0132	-0.6304
-0.600	*******	0.1214	0.1262	0.0097	-0.6774
-0.700	*******	0.1094	0.1235	0.0256	-0.6838
-0.800	0.1674	0.1250	0.1190	0.0418	-0.6327
-0.850	0.1898	0.1390	0.1289	0.0449	-0.6287
-0.900	0.2130	0.1831	0.1537	0.0698	-0.6652
-0.950	*******	*******	0.1972	0.1277	-0.1960
-0.975	*******	0.2077	0.2010	0.1522	-0.0356

Surface Pressures



Sharp Radius L.E.

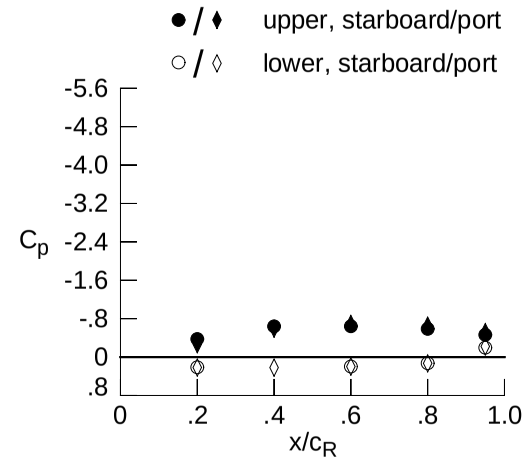
Run No. = 88 , Point No. = 1938

C_N = 0.253, C_m = -0.0440

α = 6.3 °, M_∞ = 0.850

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge

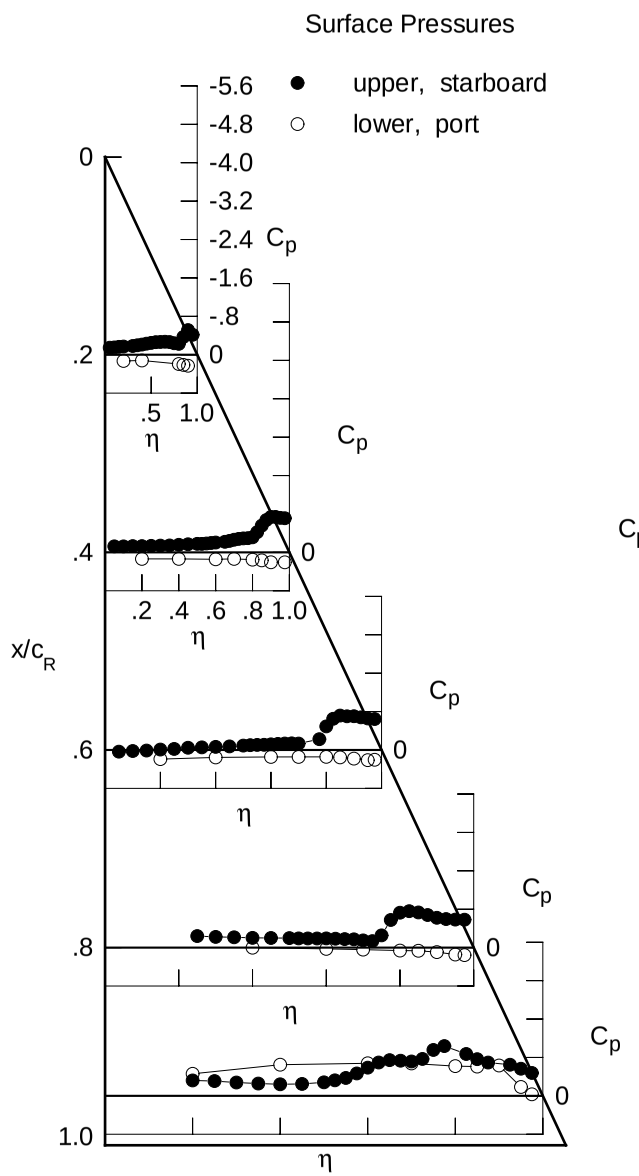


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.3757	-0.2670	0.2169	0.2130
0.40	0.95	-0.6402	-0.5920	0.2191	*******
0.60	0.95	-0.6412	-0.6923	0.1977	0.1972
0.80	0.95	-0.5869	-0.6566	0.1302	0.1277
0.95	0.95	-0.4642	-0.5212	-0.2223	-0.1960

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.1464	-0.1257	0.0348	*******	*******
0.100	-0.1522	-0.1249	0.0215	*******	*******
0.150	-0.1640	-0.1304	0.0123	*******	*******
0.200	-0.1702	-0.1303	-0.0085	*******	-0.3206
0.250	*******	-0.1364	-0.0213	-0.2407	-0.3079
0.300	-0.1816	-0.1405	-0.0464	-0.2235	-0.2774
0.350	-0.1972	-0.1440	-0.0543	-0.2154	-0.2563
0.400	-0.2113	-0.1575	-0.0651	-0.2035	-0.2410
0.450	-0.2306	-0.1688	-0.0741	-0.2007	-0.2482
0.500	-0.2465	-0.1773	-0.0908	-0.1981	-0.2816
0.525	*******	-0.1772	-0.1001	-0.1922	-0.3229
0.550	-0.2618	-0.1850	-0.1056	-0.1911	-0.3728
0.575	*******	-0.1954	-0.1084	-0.1906	-0.4667
0.600	-0.2657	-0.2049	-0.1175	-0.1917	-0.5870
0.625	*******	*******	-0.1261	-0.1858	-0.6947
0.650	-0.2702	-0.2203	-0.1345	-0.1776	-0.7441
0.675	*******	-0.2390	-0.1388	-0.1731	-0.7323
0.700	-0.2640	-0.2629	-0.1339	-0.1508	-0.7163
0.725	*******	-0.2811	*******	-0.1350	-0.7685
0.750	-0.2392	-0.2914	*******	-0.2555	-0.9561
0.775	*******	-0.2959	-0.2248	-0.5757	-1.0366
0.800	-0.2265	-0.3138	-0.4915	-0.7274	*******
0.825	*******	-0.4204	-0.6498	-0.7593	-0.8722
0.850	-0.3703	-0.5572	-0.7165	-0.7329	-0.7641
0.875	*******	-0.6745	-0.7018	-0.6795	-0.6938
0.900	-0.5134	-0.7380	-0.7031	-0.6214	*******
0.925	*******	-0.7385	-0.6801	-0.5952	-0.6480
0.950	-0.4150	-0.7193	-0.6567	-0.5838	-0.5651
0.975	*******	-0.7111	-0.6449	-0.5815	-0.4769

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.1294	0.1358	0.1906	*******	-0.4590
-0.400	0.1200	0.1363	0.1552	0.0019	-0.6486
-0.600	*******	0.1443	0.1451	0.0261	-0.6780
-0.700	*******	0.1360	0.1445	0.0419	-0.6749
-0.800	0.1934	0.1517	0.1433	0.0615	-0.6190
-0.850	0.2123	0.1662	0.1540	0.0656	-0.6098
-0.900	0.2295	0.2065	0.1799	0.0939	-0.6320
-0.950	*******	*******	0.2117	0.1438	-0.1847
-0.975	*******	0.2068	0.2041	0.1561	-0.0316



Sharp Radius L.E.

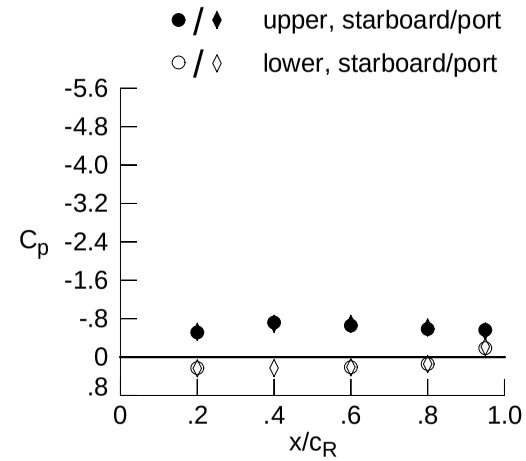
Run No. = 88 , Point No. = 1939

C_N = 0.308, C_m = -0.0551

α = 7.3 °, M_∞ = 0.851

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge

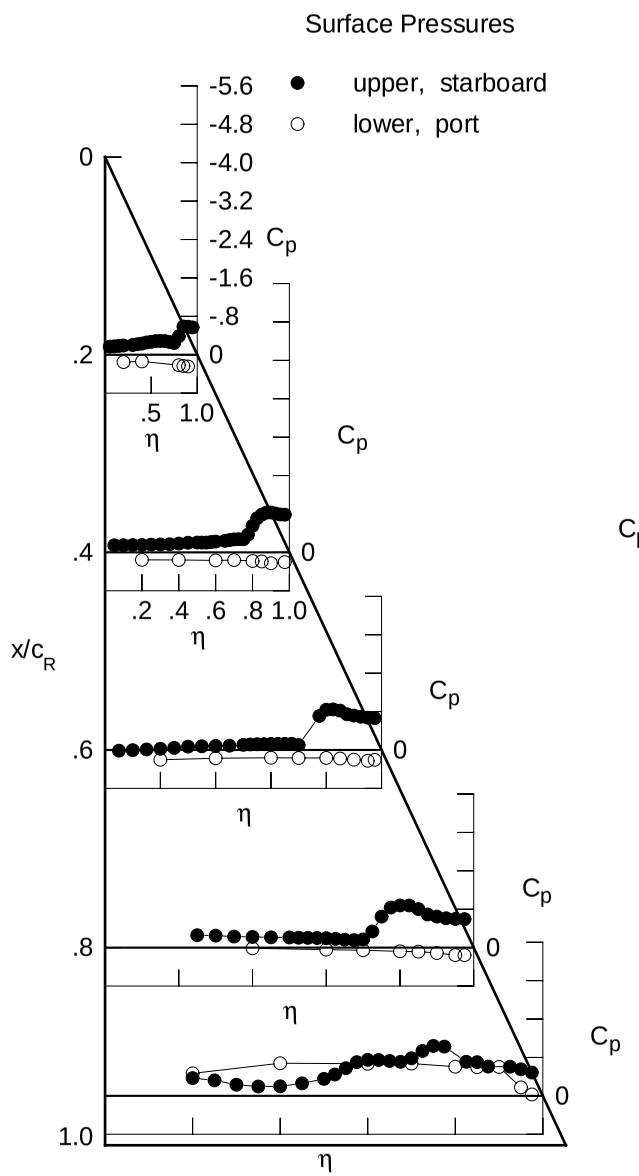


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.5134	-0.5245	0.2334	0.2295
0.40	0.95	-0.7193	-0.6940	0.2282	*******
0.60	0.95	-0.6567	-0.6933	0.2114	0.2117
0.80	0.95	-0.5838	-0.6178	0.1457	0.1438
0.95	0.95	-0.5651	-0.5369	-0.2146	-0.1847

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.1678	-0.1476	0.0142	*******	*******
0.100	-0.1743	-0.1492	0.0039	*******	*******
0.150	-0.1839	-0.1524	-0.0107	*******	*******
0.200	-0.1911	-0.1539	-0.0251	*******	-0.3695
0.250	*******	-0.1612	-0.0431	-0.2585	-0.3227
0.300	-0.2022	-0.1639	-0.0705	-0.2497	-0.2317
0.350	-0.2186	-0.1688	-0.0764	-0.2307	-0.1948
0.400	-0.2330	-0.1830	-0.0842	-0.2223	-0.1981
0.450	-0.2549	-0.2010	-0.0896	-0.2146	-0.2598
0.500	-0.2686	-0.2051	-0.1070	-0.2120	-0.3528
0.525	*******	-0.2040	-0.1152	-0.2062	-0.4438
0.550	-0.2836	-0.2041	-0.1199	-0.2043	-0.5758
0.575	*******	-0.2152	-0.1217	-0.2008	-0.7013
0.600	-0.2875	-0.2244	-0.1257	-0.1958	-0.7493
0.625	*******	*******	-0.1275	-0.1825	-0.7469
0.650	-0.2842	-0.2399	-0.1281	-0.1658	-0.7263
0.675	*******	-0.2563	-0.1277	-0.1554	-0.7088
0.700	-0.2653	-0.2709	-0.1026	-0.1701	-0.7829
0.725	*******	-0.2739	*******	-0.3370	-0.9349
0.750	-0.2441	-0.2728	*******	-0.6455	-1.0400
0.775	*******	-0.3693	-0.7081	-0.8347	-1.0255
0.800	-0.3860	-0.5527	-0.8382	-0.8782	*******
0.825	*******	-0.7107	-0.8449	-0.8773	-0.7100
0.850	-0.5881	-0.7858	-0.8202	-0.8023	-0.7012
0.875	*******	-0.8280	-0.7437	-0.6904	-0.6094
0.900	-0.5834	-0.8309	-0.7161	-0.6466	*******
0.925	*******	-0.8090	-0.6926	-0.6118	-0.6070
0.950	-0.5692	-0.7898	-0.6727	-0.5971	-0.5529
0.975	*******	-0.7854	-0.6628	-0.5944	-0.4856

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.1524	0.1558	0.2042	*******	-0.4685
-0.400	0.1390	0.1582	0.1727	0.0140	-0.6793
-0.600	*******	0.1676	0.1618	0.0419	-0.6685
-0.700	*******	0.1612	0.1673	0.0550	-0.6723
-0.800	0.2185	0.1796	0.1647	0.0780	-0.6073
-0.850	0.2344	0.1893	0.1784	0.0840	-0.5967
-0.900	0.2458	0.2274	0.2019	0.1118	-0.6012
-0.950	*******	*******	0.2244	0.1556	-0.1757
-0.975	*******	0.2034	0.2051	0.1563	-0.0286



Sharp Radius L.E.

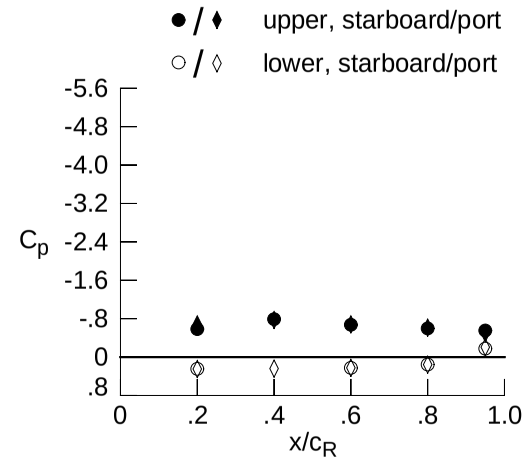
Run No. = 88 , Point No. = 1940

C_N = 0.361, C_m = -0.0640

α = 8.3 °, M_∞ = 0.851

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge



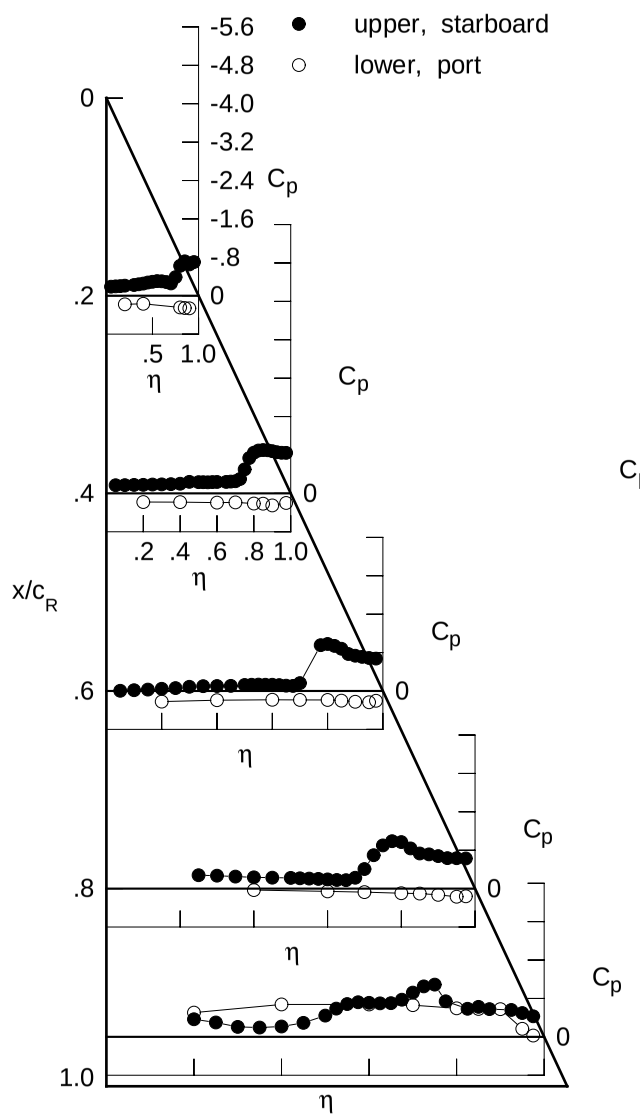
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.5834	-0.6818	0.2488	0.2458
0.40	0.95	-0.7898	-0.7717	0.2403	*******
0.60	0.95	-0.6727	-0.6824	0.2243	0.2244
0.80	0.95	-0.5971	-0.6147	0.1567	0.1556
0.95	0.95	-0.5529	-0.4969	-0.2060	-0.1757

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.1879	-0.1700	-0.0037	*******	*******
0.100	-0.1951	-0.1709	-0.0163	*******	*******
0.150	-0.2004	-0.1762	-0.0286	*******	*******
0.200	-0.2094	-0.1772	-0.0456	*******	-0.3665
0.250	*******	-0.1840	-0.0599	-0.2791	-0.2989
0.300	-0.2232	-0.1872	-0.0876	-0.2695	-0.2073
0.350	-0.2383	-0.1923	-0.1003	-0.2506	-0.1939
0.400	-0.2532	-0.2005	-0.1034	-0.2348	-0.2153
0.450	-0.2756	-0.2399	-0.1061	-0.2284	-0.2914
0.500	-0.2908	-0.2335	-0.1246	-0.2234	-0.4423
0.525	*******	-0.2326	-0.1299	-0.2155	-0.5881
0.550	-0.3046	-0.2304	-0.1330	-0.2087	-0.6832
0.575	*******	-0.2354	-0.1293	-0.2025	-0.7204
0.600	-0.3010	-0.2374	-0.1298	-0.1917	-0.7091
0.625	*******	*******	-0.1225	-0.1800	-0.6979
0.650	-0.2844	-0.2386	-0.1108	-0.1763	-0.7019
0.675	*******	-0.2458	-0.1055	-0.2261	-0.7738
0.700	-0.2557	-0.2529	-0.1639	-0.4084	-0.9218
0.725	*******	-0.2989	*******	-0.6962	-1.0511
0.750	-0.3872	-0.5003	*******	-0.9003	-1.0883
0.775	*******	-0.7361	-0.9543	-0.9878	-0.7407
0.800	-0.6229	-0.8470	-0.9795	-0.9696	*******
0.825	*******	-0.8929	-0.9395	-0.8377	-0.5851
0.850	-0.7164	-0.9023	-0.8796	-0.7318	-0.6252
0.875	*******	-0.8981	-0.7701	-0.7132	-0.5779
0.900	-0.6524	-0.8791	-0.7346	-0.6772	*******
0.925	*******	-0.8577	-0.7108	-0.6349	-0.5602
0.950	-0.7016	-0.8456	-0.6869	-0.6333	-0.4963
0.975	*******	-0.8439	-0.6742	-0.6278	-0.4277

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.1789	0.1805	0.2212	*******	-0.5045
-0.400	0.1679	0.1827	0.1923	0.0300	-0.6748
-0.600	*******	0.1927	0.1836	0.0574	-0.6746
-0.700	*******	0.1882	0.1864	0.0732	-0.6597
-0.800	0.2441	0.2117	0.1872	0.0962	-0.5944
-0.850	0.2559	0.2148	0.2015	0.1033	-0.5817
-0.900	0.2623	0.2512	0.2245	0.1296	-0.5767
-0.950	*******	*******	0.2349	0.1691	-0.1675
-0.975	*******	0.2001	0.2037	0.1597	-0.0274

Surface Pressures



Sharp Radius L.E.

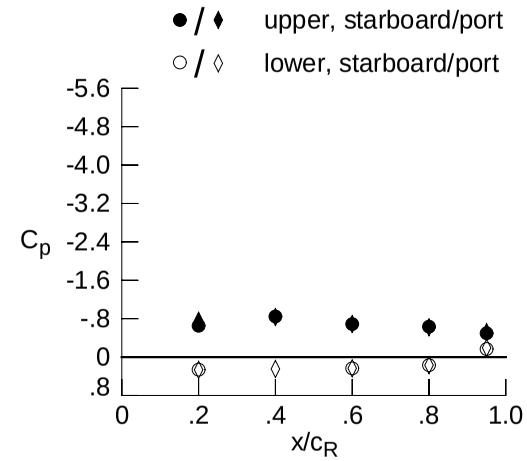
Run No. = 88 , Point No. = 1941

C_N = 0.415, C_m = -0.0725

α = 9.3 °, M_∞ = 0.851

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge



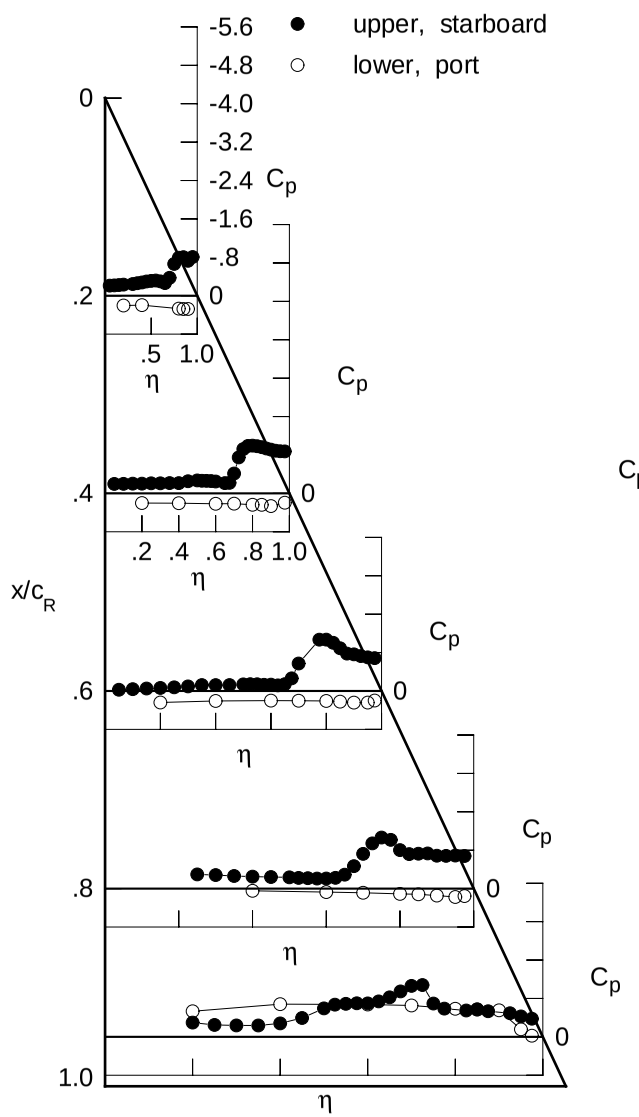
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.6524	-0.7572	0.2647	0.2623
0.40	0.95	-0.8456	-0.8333	0.2475	*******
0.60	0.95	-0.6869	-0.6886	0.2337	0.2349
0.80	0.95	-0.6333	-0.6212	0.1689	0.1691
0.95	0.95	-0.4963	-0.5213	-0.1939	-0.1675

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.2107	-0.1970	-0.0253	*******	*******
0.100	-0.2155	-0.1985	-0.0375	*******	*******
0.150	-0.2221	-0.2023	-0.0513	*******	*******
0.200	-0.2310	-0.2026	-0.0631	*******	-0.2964
0.250	*******	-0.2099	-0.0759	-0.2962	-0.2481
0.300	-0.2435	-0.2100	-0.0951	-0.2821	-0.2378
0.350	-0.2610	-0.2144	-0.1236	-0.2631	-0.2368
0.400	-0.2760	-0.2138	-0.1227	-0.2499	-0.2803
0.450	-0.2970	-0.2525	-0.1233	-0.2418	-0.3928
0.500	-0.3088	-0.2696	-0.1374	-0.2348	-0.5924
0.525	*******	-0.2626	-0.1415	-0.2228	-0.6701
0.550	-0.3168	-0.2610	-0.1401	-0.2176	-0.6883
0.575	*******	-0.2565	-0.1289	-0.2095	-0.6992
0.600	-0.2991	-0.2473	-0.1324	-0.2100	-0.6971
0.625	*******	*******	-0.1169	-0.2247	-0.7380
0.650	-0.2634	-0.2135	-0.1415	-0.2908	-0.8230
0.675	*******	-0.2194	-0.2630	-0.4679	-0.9467
0.700	-0.3736	-0.4135	-0.5723	-0.7237	-1.0614
0.725	*******	-0.7486	*******	-0.9428	-1.0796
0.750	-0.6626	-0.9230	*******	-1.0641	-0.6939
0.775	*******	-0.9879	-1.0687	-1.0160	-0.5882
0.800	-0.7921	-0.9948	-1.0696	-0.8027	*******
0.825	*******	-0.9820	-1.0040	-0.7191	-0.5487
0.850	-0.8031	-0.9628	-0.8903	-0.7272	-0.5744
0.875	*******	-0.9353	-0.7788	-0.7332	-0.5340
0.900	-0.7276	-0.9112	-0.7631	-0.6859	*******
0.925	*******	-0.8887	-0.7276	-0.6822	-0.4920
0.950	-0.8064	-0.8776	-0.7005	-0.6886	-0.4256
0.975	*******	-0.8745	-0.6843	-0.6791	-0.3778

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.2042	0.2020	0.2397	*******	-0.5326
-0.400	0.1960	0.2048	0.2082	0.0454	-0.6811
-0.600	*******	0.2170	0.2007	0.0721	-0.6734
-0.700	*******	0.2142	0.2034	0.0868	-0.6533
-0.800	0.2690	0.2374	0.2082	0.1096	-0.5846
-0.850	0.2767	0.2386	0.2221	0.1184	-0.5671
-0.900	0.2763	0.2649	0.2427	0.1449	-0.5526
-0.950	*******	*******	0.2413	0.1741	-0.1572
-0.975	*******	0.1944	0.1989	0.1548	-0.0238

Surface Pressures



Sharp Radius L.E.

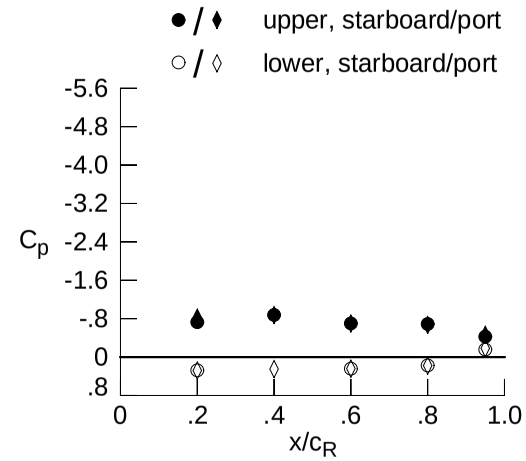
Run No. = 88 , Point No. = 1942

C_N = 0.471, C_m = -0.0822

α = 10.4 °, M_∞ = 0.851

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge

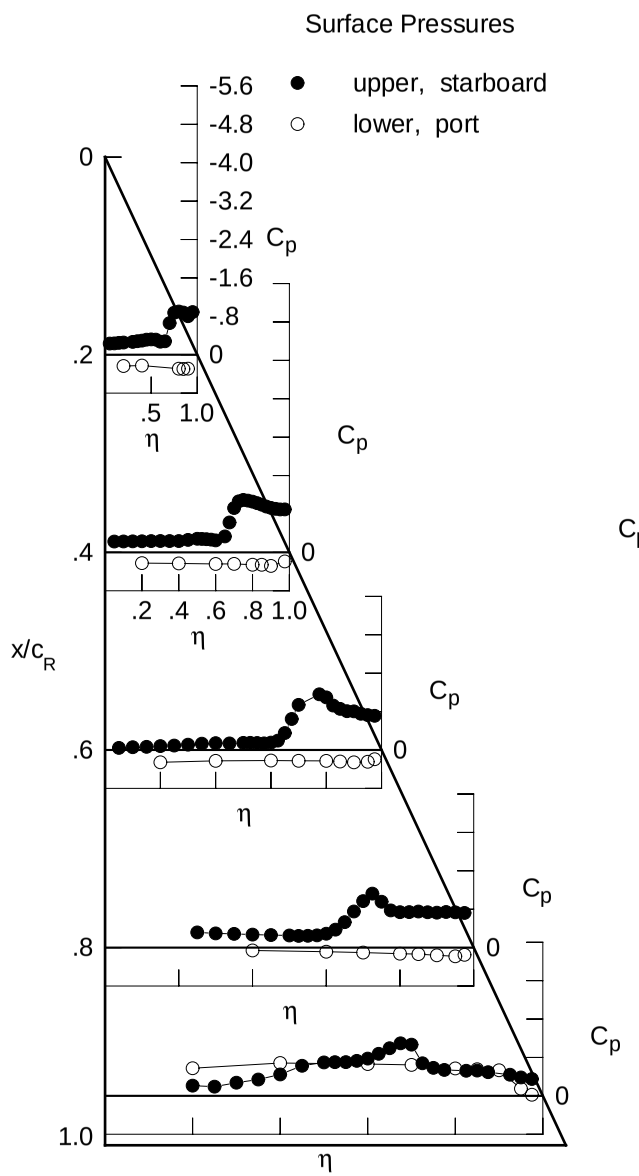


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.7276	-0.8220	0.2792	0.2763
0.40	0.95	-0.8776	-0.8744	0.2505	*******
0.60	0.95	-0.7005	-0.7004	0.2397	0.2413
0.80	0.95	-0.6886	-0.6691	0.1775	0.1741
0.95	0.95	-0.4256	-0.4646	-0.1832	-0.1572

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.2330	-0.2258	-0.0434	*******	*******
0.100	-0.2364	-0.2273	-0.0579	*******	*******
0.150	-0.2473	-0.2294	-0.0652	*******	*******
0.200	-0.2534	-0.2314	-0.0805	*******	-0.2117
0.250	*******	-0.2353	-0.0917	-0.3171	-0.1913
0.300	-0.2670	-0.2368	-0.1102	-0.2963	-0.2733
0.350	-0.2819	-0.2361	-0.1312	-0.2867	-0.3401
0.400	-0.2940	-0.2361	-0.1422	-0.2713	-0.4460
0.450	-0.3135	-0.2597	-0.1369	-0.2615	-0.6268
0.500	-0.3193	-0.2829	-0.1478	-0.2527	-0.6960
0.525	*******	-0.2802	-0.1492	-0.2443	-0.7013
0.550	-0.3145	-0.2742	-0.1456	-0.2460	-0.7026
0.575	*******	-0.2657	-0.1376	-0.2550	-0.7288
0.600	-0.2709	-0.2499	-0.1539	-0.2893	-0.7761
0.625	*******	*******	-0.1940	-0.3746	-0.8759
0.650	-0.2797	-0.3316	-0.3532	-0.5306	-0.9920
0.675	*******	-0.6235	-0.6456	-0.7530	-1.0942
0.700	-0.6592	-0.9240	-0.9399	-0.9688	-1.0668
0.725	*******	-1.0628	*******	-1.1250	-0.6781
0.750	-0.8750	-1.0929	*******	-0.9560	-0.5828
0.775	*******	-1.0785	-1.1597	-0.7755	-0.5401
0.800	-0.8997	-1.0565	-1.0958	-0.7387	*******
0.825	*******	-1.0257	-0.9257	-0.7403	-0.5225
0.850	-0.8781	-0.9935	-0.8569	-0.7517	-0.5261
0.875	*******	-0.9546	-0.8076	-0.7367	-0.4925
0.900	-0.8021	-0.9262	-0.8049	-0.7283	*******
0.925	*******	-0.9071	-0.7542	-0.7427	-0.4398
0.950	-0.8890	-0.8944	-0.7267	-0.7348	-0.3830
0.975	*******	-0.8949	-0.7119	-0.7224	-0.3513

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.2348	0.2239	0.2567	*******	-0.5751
-0.400	0.2257	0.2308	0.2266	0.0596	-0.6837
-0.600	*******	0.2413	0.2197	0.0855	-0.6626
-0.700	*******	0.2402	0.2253	0.1033	-0.6447
-0.800	0.2910	0.2576	0.2273	0.1264	-0.5716
-0.850	0.2965	0.2586	0.2408	0.1354	-0.5546
-0.900	0.2906	0.2823	0.2575	0.1600	-0.5327
-0.950	*******	*******	0.2460	0.1807	-0.1500
-0.975	*******	0.1890	0.1928	0.1494	-0.0235



Sharp Radius L.E.

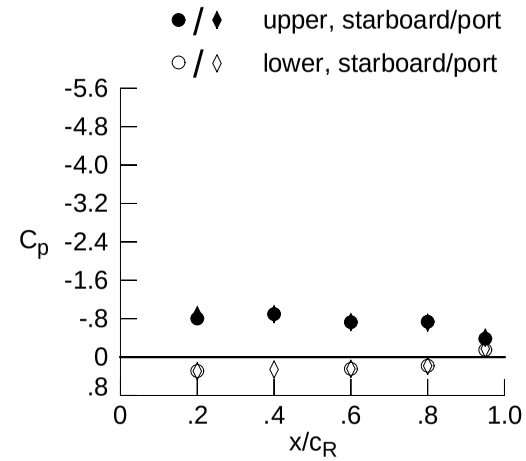
Run No. = 88 , Point No. = 1943

C_N = 0.522, C_m = -0.0883

α = 11.4 °, M_∞ = 0.851

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge



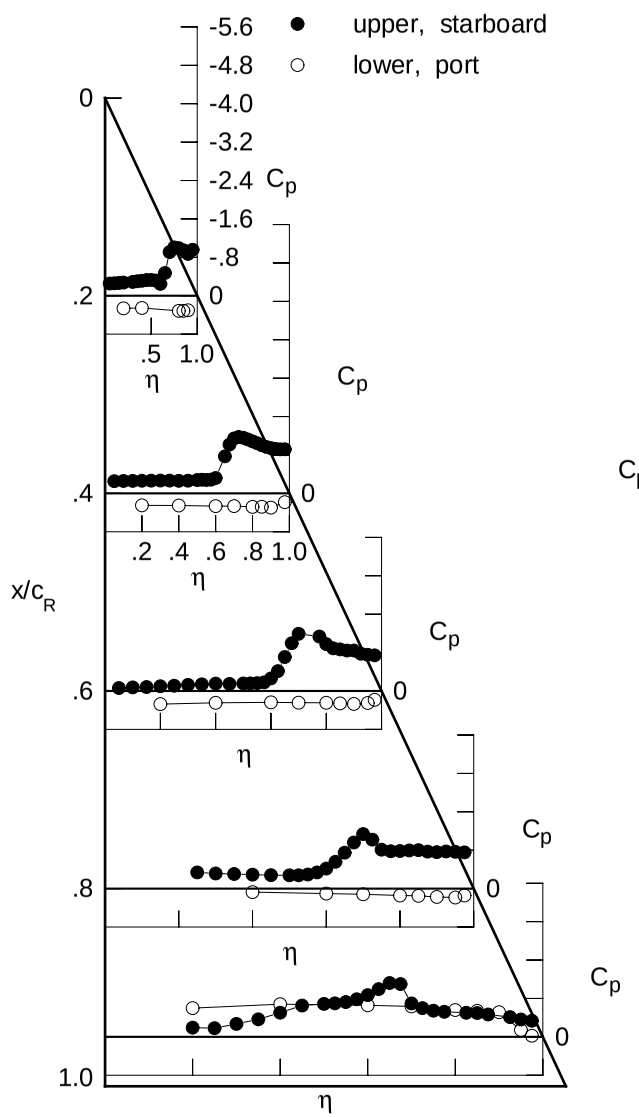
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.8021	-0.8742	0.2926	0.2906
0.40	0.95	-0.8944	-0.8947	0.2576	*******
0.60	0.95	-0.7267	-0.7278	0.2437	0.2460
0.80	0.95	-0.7348	-0.7182	0.1831	0.1807
0.95	0.95	-0.3830	-0.4067	-0.1734	-0.1500

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.2547	-0.2539	-0.0615	*******	*******
0.100	-0.2590	-0.2583	-0.0744	*******	*******
0.150	-0.2667	-0.2601	-0.0826	*******	*******
0.200	-0.2747	-0.2632	-0.0980	*******	-0.1908
0.250	*******	-0.2645	-0.1097	-0.3380	-0.1806
0.300	-0.2872	-0.2669	-0.1273	-0.3152	-0.2698
0.350	-0.3012	-0.2660	-0.1383	-0.3044	-0.3649
0.400	-0.3112	-0.2615	-0.1533	-0.2910	-0.5029
0.450	-0.3262	-0.2637	-0.1471	-0.2798	-0.6521
0.500	-0.3291	-0.2778	-0.1572	-0.2778	-0.6866
0.525	*******	-0.2844	-0.1580	-0.2774	-0.6972
0.550	-0.3174	-0.2792	-0.1634	-0.2938	-0.7252
0.575	*******	-0.2856	-0.1781	-0.3376	-0.7830
0.600	-0.2465	-0.3202	-0.2615	-0.4179	-0.8694
0.625	*******	*******	-0.4140	-0.5593	-0.9944
0.650	-0.4733	-0.7710	-0.7069	-0.7487	-1.1214
0.675	*******	-1.0159	-0.9947	-0.9605	-1.0989
0.700	-0.9098	-1.1439	-1.1913	-1.1368	-0.6957
0.725	*******	-1.1755	*******	-1.0203	-0.5981
0.750	-1.0066	-1.1582	*******	-0.8113	-0.5446
0.775	*******	-1.1234	-1.1341	-0.7795	-0.5221
0.800	-0.9903	-1.0838	-0.9760	-0.7833	*******
0.825	*******	-1.0447	-0.8890	-0.7954	-0.5020
0.850	-0.9470	-1.0034	-0.8666	-0.8015	-0.4959
0.875	*******	-0.9672	-0.8422	-0.7707	-0.4654
0.900	-0.8712	-0.9423	-0.8432	-0.7601	*******
0.925	*******	-0.9257	-0.7759	-0.7735	-0.4116
0.950	-0.9577	-0.9174	-0.7546	-0.7669	-0.3614
0.975	*******	-0.9185	-0.7421	-0.7550	-0.3353

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.2630	0.2499	0.2738	*******	-0.5984
-0.400	0.2549	0.2524	0.2464	0.0727	-0.6804
-0.600	*******	0.2657	0.2369	0.1034	-0.6565
-0.700	*******	0.2652	0.2442	0.1178	-0.6341
-0.800	0.3151	0.2820	0.2455	0.1432	-0.5586
-0.850	0.3155	0.2793	0.2584	0.1503	-0.5411
-0.900	0.3033	0.2971	0.2701	0.1736	-0.5128
-0.950	*******	*******	0.2504	0.1856	-0.1422
-0.975	*******	0.1832	0.1839	0.1427	-0.0230

Surface Pressures



Sharp Radius L.E.

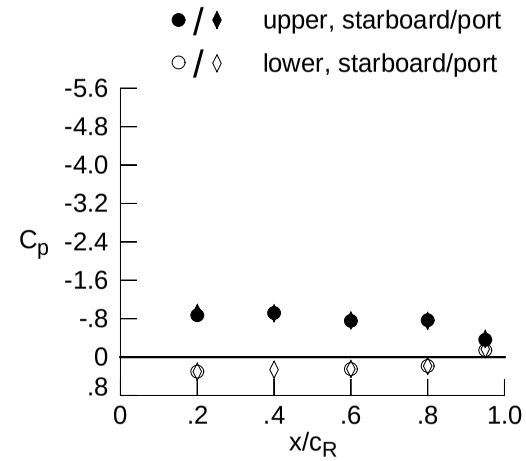
Run No. = 88 , Point No. = 1944

C_N = 0.575, C_m = -0.0956

α = 12.4 °, M_∞ = 0.851

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge



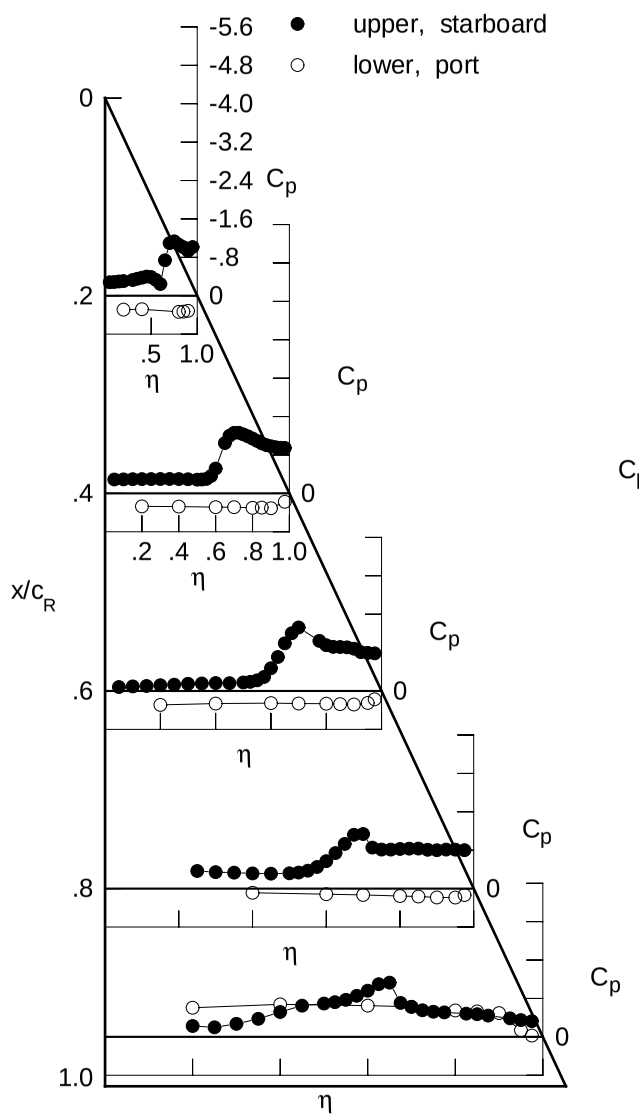
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.8712	-0.9195	0.3044	0.3033
0.40	0.95	-0.9174	-0.9133	0.2613	*******
0.60	0.95	-0.7546	-0.7655	0.2467	0.2504
0.80	0.95	-0.7669	-0.7524	0.1864	0.1856
0.95	0.95	-0.3614	-0.3799	-0.1672	-0.1422

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.2806	-0.2891	-0.0824	*******	*******
0.100	-0.2867	-0.2914	-0.0951	*******	*******
0.150	-0.2966	-0.2948	-0.1037	*******	*******
0.200	-0.3046	-0.2966	-0.1201	*******	-0.2253
0.250	*******	-0.2978	-0.1313	-0.3671	-0.1986
0.300	-0.3271	-0.2991	-0.1493	-0.3433	-0.2708
0.350	-0.3534	-0.3002	-0.1562	-0.3331	-0.3749
0.400	-0.3762	-0.2974	-0.1658	-0.3168	-0.5177
0.450	-0.3991	-0.2943	-0.1624	-0.3112	-0.6497
0.500	-0.3896	-0.2860	-0.1778	-0.3191	-0.6934
0.525	*******	-0.2885	-0.1905	-0.3345	-0.7224
0.550	-0.3306	-0.3008	-0.2216	-0.3737	-0.7711
0.575	*******	-0.3629	-0.2916	-0.4504	-0.8554
0.600	-0.2440	-0.5174	-0.4733	-0.5718	-0.9618
0.625	*******	*******	-0.7082	-0.7405	-1.0971
0.650	-0.7383	-1.0478	-0.9926	-0.9305	-1.1292
0.675	*******	-1.2006	-1.2027	-1.1213	-0.7063
0.700	-1.0960	-1.2607	-1.3231	-1.1379	-0.6249
0.725	*******	-1.2635	*******	-0.8543	-0.5538
0.750	-1.1332	-1.2285	*******	-0.8135	-0.5230
0.775	*******	-1.1888	-1.0441	-0.8126	-0.5098
0.800	-1.0642	-1.1421	-0.9537	-0.8267	*******
0.825	*******	-1.0930	-0.9189	-0.8330	-0.4829
0.850	-1.0109	-1.0418	-0.9158	-0.8347	-0.4719
0.875	*******	-1.0053	-0.9088	-0.8098	-0.4422
0.900	-0.9354	-0.9812	-0.8805	-0.7997	*******
0.925	*******	-0.9613	-0.8092	-0.8134	-0.3854
0.950	-1.0142	-0.9495	-0.7935	-0.8120	-0.3490
0.975	*******	-0.9464	-0.7830	-0.8008	-0.3271

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.2894	0.2712	0.2902	*******	-0.6061
-0.400	0.2819	0.2749	0.2622	0.0867	-0.6770
-0.600	*******	0.2870	0.2531	0.1159	-0.6503
-0.700	*******	0.2878	0.2620	0.1316	-0.6268
-0.800	0.3359	0.3018	0.2647	0.1541	-0.5495
-0.850	0.3310	0.2971	0.2733	0.1637	-0.5294
-0.900	0.3142	0.3092	0.2816	0.1844	-0.4943
-0.950	*******	*******	0.2498	0.1855	-0.1370
-0.975	*******	0.1751	0.1735	0.1332	-0.0261

Surface Pressures



Sharp Radius L.E.

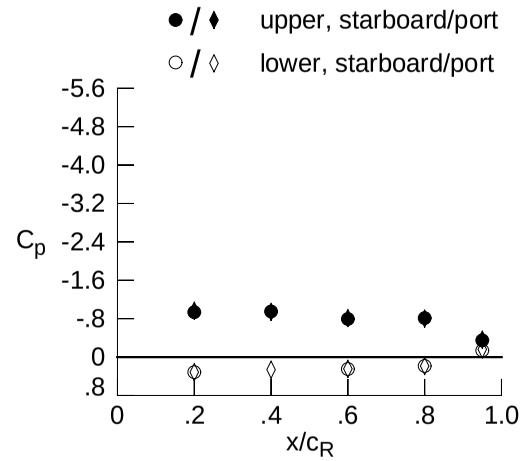
Run No. = 88 , Point No. = 1945

C_N = 0.626, C_m = -0.1014

α = 13.5 °, M_∞ = 0.851

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge



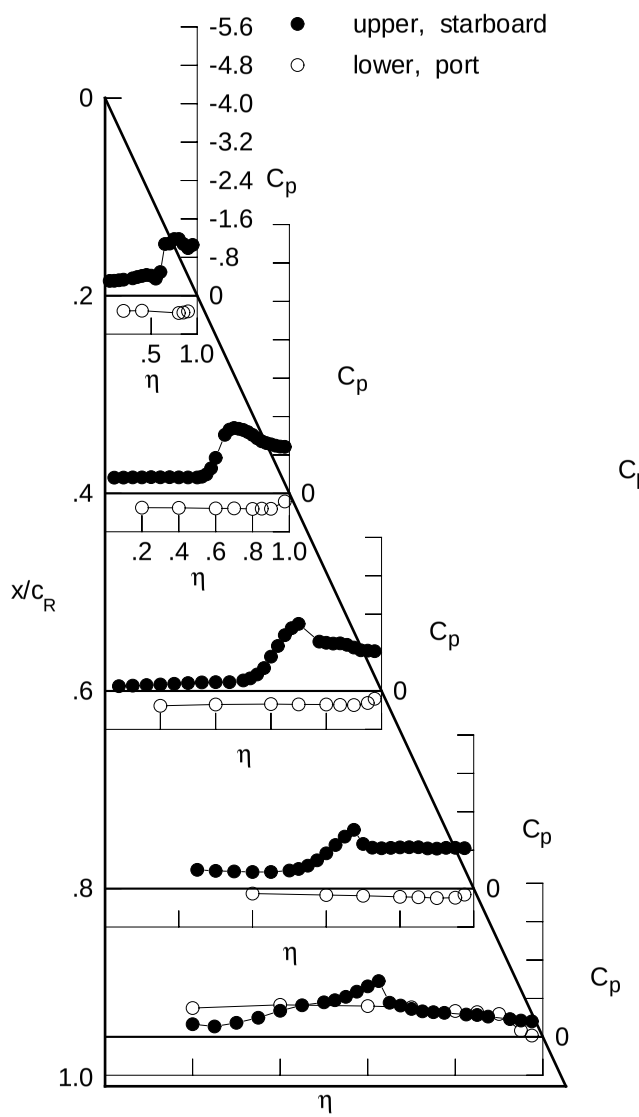
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.9354	-0.9673	0.3142	0.3142
0.40	0.95	-0.9495	-0.9415	0.2622	*******
0.60	0.95	-0.7935	-0.8132	0.2452	0.2498
0.80	0.95	-0.8120	-0.8013	0.1872	0.1855
0.95	0.95	-0.3490	-0.3642	-0.1611	-0.1370

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.3087	-0.3274	-0.0996	*******	*******
0.100	-0.3112	-0.3286	-0.1113	*******	*******
0.150	-0.3220	-0.3326	-0.1233	*******	*******
0.200	-0.3344	-0.3331	-0.1355	*******	-0.2631
0.250	*******	-0.3382	-0.1497	-0.3912	-0.2161
0.300	-0.3623	-0.3353	-0.1646	-0.3694	-0.2917
0.350	-0.3894	-0.3375	-0.1784	-0.3578	-0.3977
0.400	-0.4121	-0.3335	-0.1841	-0.3464	-0.5428
0.450	-0.4330	-0.3318	-0.1841	-0.3465	-0.6575
0.500	-0.4184	-0.3311	-0.2193	-0.3764	-0.7190
0.525	*******	-0.3476	-0.2622	-0.4093	-0.7635
0.550	-0.3563	-0.3956	-0.3440	-0.4778	-0.8335
0.575	*******	-0.5224	-0.4776	-0.5897	-0.9408
0.600	-0.4939	-0.7398	-0.7155	-0.7349	-1.0518
0.625	*******	*******	-0.9374	-0.9085	-1.1619
0.650	-1.0777	-1.2201	-1.1627	-1.0829	-0.7104
0.675	*******	-1.3282	-1.3091	-1.2247	-0.6521
0.700	-1.0866	-1.3625	-1.3981	-0.9303	-0.5815
0.725	*******	-1.3456	*******	-0.8531	-0.5311
0.750	-1.1809	-1.3206	*******	-0.8406	-0.5137
0.775	*******	-1.2767	-1.0282	-0.8489	-0.4999
0.800	-1.1813	-1.2180	-1.0038	-0.8593	*******
0.825	*******	-1.1477	-0.9871	-0.8624	-0.4649
0.850	-1.0766	-1.0846	-0.9919	-0.8623	-0.4555
0.875	*******	-1.0481	-0.9612	-0.8374	-0.4215
0.900	-0.9921	-1.0220	-0.9050	-0.8326	*******
0.925	*******	-0.9936	-0.8477	-0.8499	-0.3696
0.950	-1.0586	-0.9746	-0.8397	-0.8504	-0.3392
0.975	*******	-0.9692	-0.8289	-0.8423	-0.3222

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.3159	0.2977	0.3086	*******	-0.6002
-0.400	0.3117	0.3016	0.2817	0.1029	-0.6664
-0.600	*******	0.3138	0.2732	0.1337	-0.6411
-0.700	*******	0.3132	0.2803	0.1485	-0.6151
-0.800	0.3597	0.3249	0.2816	0.1714	-0.5384
-0.850	0.3505	0.3186	0.2905	0.1790	-0.5143
-0.900	0.3258	0.3218	0.2936	0.1978	-0.4763
-0.950	*******	*******	0.2505	0.1896	-0.1301
-0.975	*******	0.1688	0.1623	0.1246	-0.0274

Surface Pressures



Sharp Radius L.E.

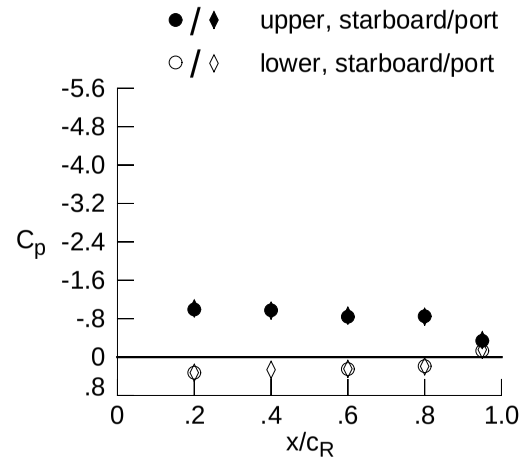
Run No. = 88 , Point No. = 1946

C_N = 0.680, C_m = -0.1105

α = 14.5 °, M_∞ = 0.850

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge

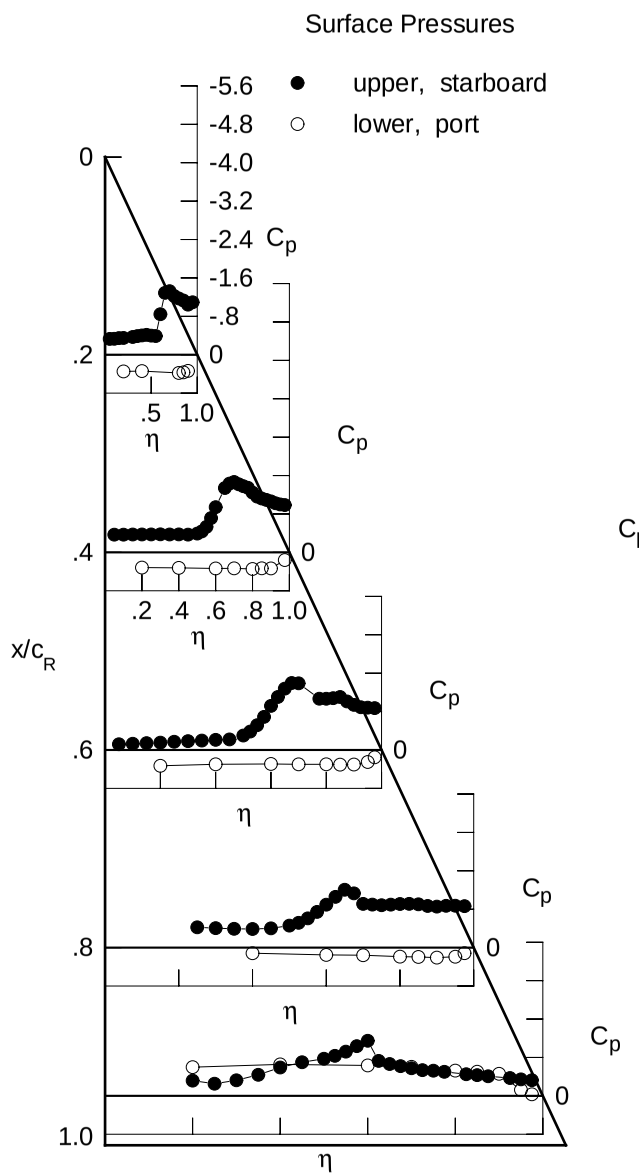


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.9921	-1.0152	0.3257	0.3258
0.40	0.95	-0.9746	-0.9677	0.2636	*******
0.60	0.95	-0.8397	-0.8656	0.2449	0.2505
0.80	0.95	-0.8504	-0.8417	0.1928	0.1896
0.95	0.95	-0.3392	-0.3534	-0.1541	-0.1301

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.3296	-0.3687	-0.1194	*******	*******
0.100	-0.3323	-0.3685	-0.1294	*******	*******
0.150	-0.3466	-0.3724	-0.1427	*******	*******
0.200	-0.3498	-0.3726	-0.1526	*******	-0.3168
0.250	*******	-0.3737	-0.1713	-0.4233	-0.2526
0.300	-0.3695	-0.3764	-0.1837	-0.4053	-0.3238
0.350	-0.3879	-0.3728	-0.1961	-0.3919	-0.4386
0.400	-0.4017	-0.3747	-0.2110	-0.3878	-0.5900
0.450	-0.4141	-0.3693	-0.2204	-0.4013	-0.6997
0.500	-0.3974	-0.3915	-0.3010	-0.4585	-0.7731
0.525	*******	-0.4365	-0.3844	-0.5169	-0.8336
0.550	-0.3897	-0.5310	-0.5164	-0.6099	-0.9207
0.575	*******	-0.7143	-0.6892	-0.7437	-1.0350
0.600	-0.8439	-0.9412	-0.9186	-0.8945	-1.1471
0.625	*******	*******	-1.1043	-1.0575	-0.7279
0.650	-1.2891	-1.3407	-1.2774	-1.2055	-0.6631
0.675	*******	-1.4327	-1.3951	-1.1305	-0.6187
0.700	-1.3237	-1.4662	-1.3886	-0.9112	-0.5754
0.725	*******	-1.4185	*******	-0.8958	-0.5349
0.750	-1.2243	-1.3794	*******	-0.8835	-0.5238
0.775	*******	-1.3453	-1.0677	-0.8948	-0.5005
0.800	-1.1722	-1.2458	-1.0676	-0.9091	*******
0.825	*******	-1.1614	-1.0796	-0.9124	-0.4506
0.850	-1.1293	-1.1225	-1.1041	-0.9025	-0.4315
0.875	*******	-1.0930	-1.0115	-0.8683	-0.4080
0.900	-1.0431	-1.0620	-0.9401	-0.8544	*******
0.925	*******	-1.0228	-0.8906	-0.8712	-0.3711
0.950	-1.0930	-0.9985	-0.8814	-0.8729	-0.3435
0.975	*******	-0.9854	-0.8723	-0.8640	-0.3253

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.3479	0.3165	0.3292	*******	-0.5974
-0.400	0.3408	0.3231	0.2984	0.1165	-0.6554
-0.600	*******	0.3352	0.2915	0.1519	-0.6333
-0.700	*******	0.3330	0.2991	0.1583	-0.6044
-0.800	0.3797	0.3463	0.2986	0.1881	-0.5254
-0.850	0.3673	0.3323	0.3056	0.1947	-0.5020
-0.900	0.3371	0.3343	0.3033	0.2082	-0.4588
-0.950	*******	*******	0.2503	0.1896	-0.1250
-0.975	*******	0.1603	0.1531	0.1160	-0.0320



Sharp Radius L.E.

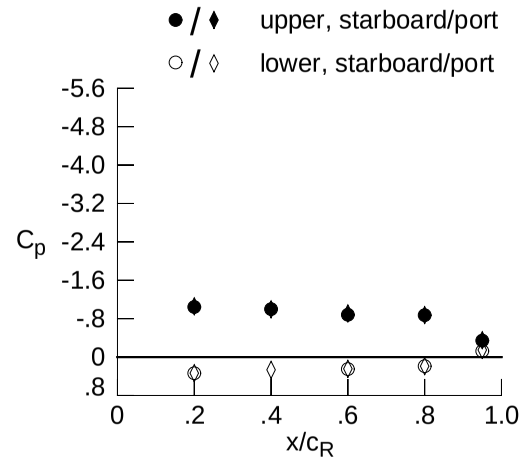
Run No. = 88 , Point No. = 1947

C_N = 0.728, C_m = -0.1124

α = 15.5 °, M_∞ = 0.851

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge



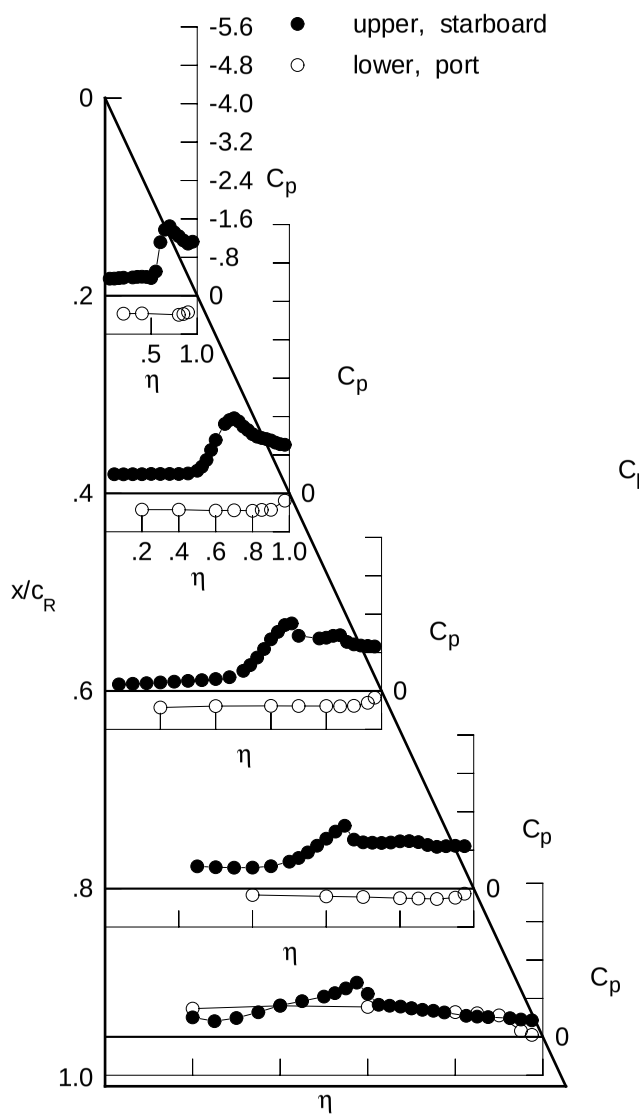
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.0431	-1.0585	0.3354	0.3371
0.40	0.95	-0.9985	-0.9949	0.2660	*******
0.60	0.95	-0.8814	-0.9115	0.2436	0.2503
0.80	0.95	-0.8729	-0.8743	0.1896	0.1896
0.95	0.95	-0.3435	-0.3520	-0.1477	-0.1250

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.3555	-0.3984	-0.1380	*******	*******
0.100	-0.3570	-0.3969	-0.1496	*******	*******
0.150	-0.3676	-0.3990	-0.1627	*******	*******
0.200	-0.3755	-0.3993	-0.1774	*******	-0.4056
0.250	*******	-0.4048	-0.1933	-0.4641	-0.3260
0.300	-0.3808	-0.4043	-0.2105	-0.4454	-0.3920
0.350	-0.3930	-0.4050	-0.2255	-0.4363	-0.5123
0.400	-0.3959	-0.4041	-0.2484	-0.4376	-0.6546
0.450	-0.3912	-0.4146	-0.2869	-0.4663	-0.7436
0.500	-0.3690	-0.4715	-0.4189	-0.5608	-0.8383
0.525	*******	-0.5553	-0.5393	-0.6382	-0.9101
0.550	-0.5044	-0.6951	-0.6963	-0.7545	-1.0091
0.575	*******	-0.9030	-0.8742	-0.8938	-1.1291
0.600	-1.1141	-1.1121	-1.0769	-1.0402	-0.8958
0.625	*******	*******	-1.2315	-1.1880	-0.6680
0.650	-1.3761	-1.4462	-1.3733	-1.3096	-0.6482
0.675	*******	-1.5269	-1.4071	-1.0206	-0.6301
0.700	-1.4480	-1.5660	-1.1491	-0.9643	-0.5947
0.725	*******	-1.4981	*******	-0.9563	-0.5629
0.750	-1.3211	-1.3920	*******	-0.9511	-0.5433
0.775	*******	-1.3185	-1.0932	-0.9600	-0.5081
0.800	-1.2397	-1.2335	-1.1097	-0.9854	*******
0.825	*******	-1.1806	-1.1489	-0.9899	-0.4388
0.850	-1.1523	-1.1536	-1.1615	-0.9691	-0.4218
0.875	*******	-1.1314	-1.0228	-0.9086	-0.4110
0.900	-1.0846	-1.1028	-0.9701	-0.8707	*******
0.925	*******	-1.0567	-0.9467	-0.8839	-0.3886
0.950	-1.1245	-1.0246	-0.9384	-0.8918	-0.3607
0.975	*******	-1.0128	-0.9272	-0.8847	-0.3437

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.3745	0.3389	0.3448	*******	-0.5878
-0.400	0.3687	0.3399	0.3148	0.1324	-0.6467
-0.600	*******	0.3593	0.3107	0.1615	-0.6228
-0.700	*******	0.3531	0.3131	0.1745	-0.5947
-0.800	0.3974	0.3631	0.3137	0.1988	-0.5152
-0.850	0.3805	0.3450	0.3193	0.2061	-0.4914
-0.900	0.3452	0.3421	0.3097	0.2160	-0.4460
-0.950	*******	*******	0.2461	0.1889	-0.1251
-0.975	*******	0.1517	0.1390	0.1052	-0.0410

Surface Pressures



Sharp Radius L.E.

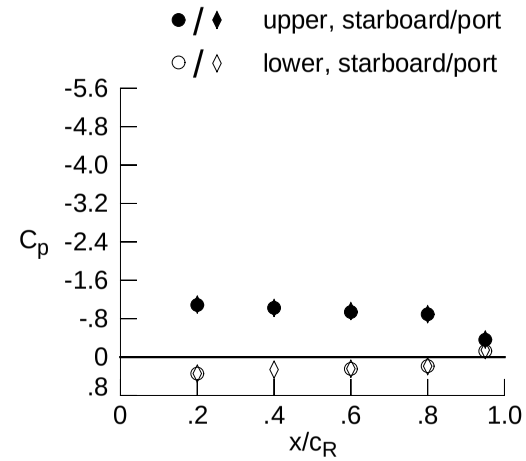
Run No. = 88 , Point No. = 1948

C_N = 0.780, C_m = -0.1185

α = 16.5 °, M_∞ = 0.851

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge



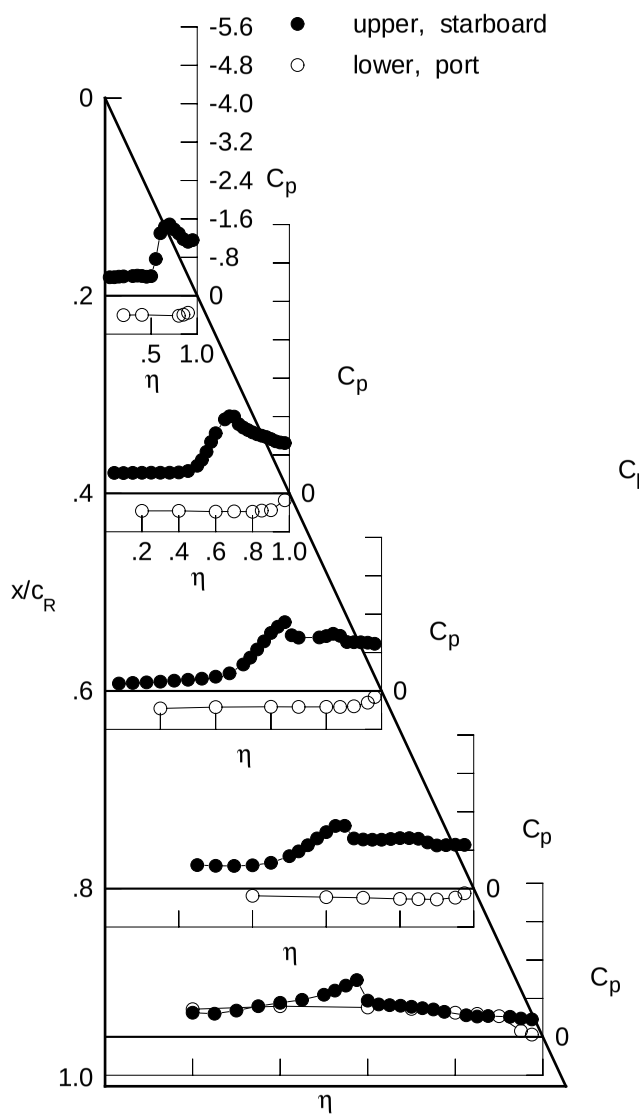
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.0846	-1.0960	0.3432	0.3452
0.40	0.95	-1.0246	-1.0230	0.2606	*******
0.60	0.95	-0.9384	-0.9585	0.2413	0.2461
0.80	0.95	-0.8918	-0.8939	0.1899	0.1889
0.95	0.95	-0.3607	-0.3672	-0.1458	-0.1251

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.3844	-0.4266	-0.1554	*******	*******
0.100	-0.3859	-0.4236	-0.1670	*******	*******
0.150	-0.3966	-0.4273	-0.1792	*******	*******
0.200	-0.4025	-0.4290	-0.1939	*******	-0.5023
0.250	*******	-0.4304	-0.2141	-0.4907	-0.4817
0.300	-0.4099	-0.4293	-0.2333	-0.4755	-0.5462
0.350	-0.4186	-0.4304	-0.2562	-0.4727	-0.6387
0.400	-0.4114	-0.4362	-0.2979	-0.4856	-0.7091
0.450	-0.3952	-0.4653	-0.3671	-0.5377	-0.7715
0.500	-0.4082	-0.5755	-0.5521	-0.6758	-0.8771
0.525	*******	-0.6971	-0.6946	-0.7761	-0.9629
0.550	-0.7649	-0.8644	-0.8637	-0.9044	-1.0676
0.575	*******	-1.0718	-1.0339	-1.0455	-1.1827
0.600	-1.3027	-1.2526	-1.2085	-1.1769	-0.7544
0.625	*******	*******	-1.3387	-1.3053	-0.6752
0.650	-1.4396	-1.5414	-1.4338	-1.3081	-0.6600
0.675	*******	-1.6057	-1.1611	-1.0448	-0.6478
0.700	-1.4847	-1.5989	-1.1108	-1.0231	-0.6268
0.725	*******	-1.4423	*******	-1.0182	-0.5969
0.750	-1.3797	-1.3710	*******	-1.0181	-0.5701
0.775	*******	-1.3191	-1.1152	-1.0333	-0.5211
0.800	-1.2962	-1.2713	-1.1435	-1.0517	*******
0.825	*******	-1.2309	-1.1910	-1.0520	-0.4494
0.850	-1.1794	-1.2006	-1.1485	-1.0387	-0.4232
0.875	*******	-1.1727	-1.0188	-0.9614	-0.4338
0.900	-1.1231	-1.1320	-1.0159	-0.8993	*******
0.925	*******	-1.0859	-1.0141	-0.9056	-0.4173
0.950	-1.1587	-1.0598	-1.0054	-0.9145	-0.3809
0.975	*******	-1.0480	-0.9830	-0.9112	-0.3632

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.4045	0.3650	0.3638	*******	-0.5757
-0.400	0.3986	0.3645	0.3363	0.1493	-0.6385
-0.600	*******	0.3805	0.3292	0.1777	-0.6119
-0.700	*******	0.3764	0.3324	0.1905	-0.5826
-0.800	0.4172	0.3831	0.3310	0.2140	-0.5022
-0.850	0.3954	0.3593	0.3329	0.2194	-0.4785
-0.900	0.3552	0.3501	0.3188	0.2257	-0.4305
-0.950	*******	*******	0.2431	0.1884	-0.1223
-0.975	*******	0.1428	0.1265	0.0965	-0.0471

Surface Pressures



Sharp Radius L.E.

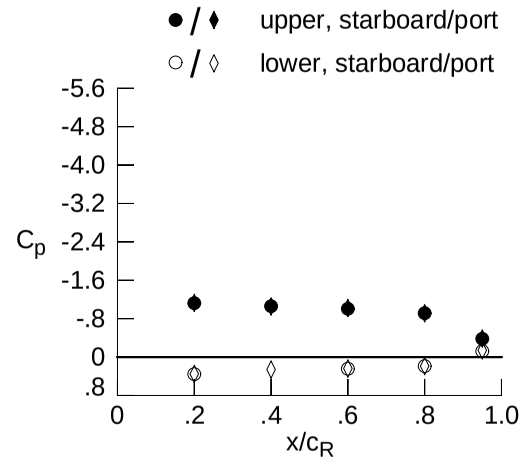
Run No. = 88 , Point No. = 1949

C_N = 0.841, C_m = -0.1324

α = 17.5 °, M_∞ = 0.850

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge

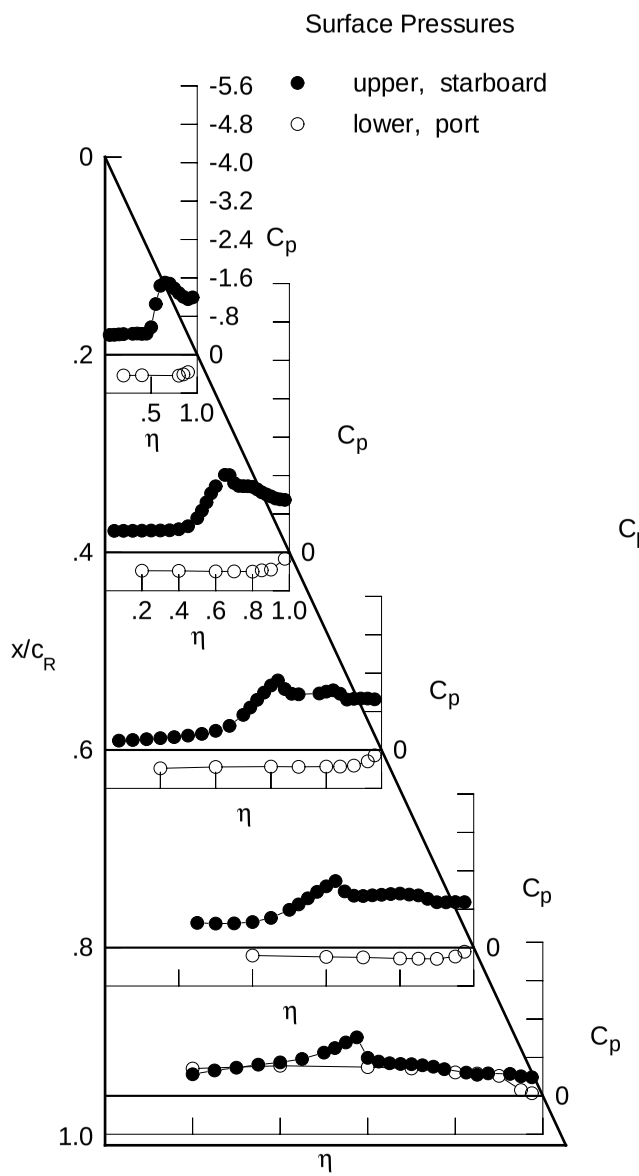


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.1231	-1.1287	0.3516	0.3552
0.40	0.95	-1.0598	-1.0555	0.2600	*******
0.60	0.95	-1.0054	-1.0244	0.2368	0.2431
0.80	0.95	-0.9145	-0.9132	0.1890	0.1884
0.95	0.95	-0.3809	-0.3879	-0.1416	-0.1223

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.4118	-0.4479	-0.1943	*******	*******
0.100	-0.4153	-0.4488	-0.2083	*******	*******
0.150	-0.4233	-0.4498	-0.2246	*******	*******
0.200	-0.4292	-0.4521	-0.2463	*******	-0.4498
0.250	*******	-0.4549	-0.2682	-0.5153	-0.5286
0.300	-0.4358	-0.4562	-0.2994	-0.5004	-0.5864
0.350	-0.4414	-0.4600	-0.3351	-0.5050	-0.6498
0.400	-0.4346	-0.4823	-0.3993	-0.5324	-0.6969
0.450	-0.4387	-0.5441	-0.5023	-0.6194	-0.7684
0.500	-0.5727	-0.7139	-0.7313	-0.7872	-0.9001
0.525	*******	-0.8685	-0.8844	-0.9002	-0.9950
0.550	-1.0559	-1.0428	-1.0447	-1.0274	-1.1120
0.575	*******	-1.2293	-1.1955	-1.1612	-1.2183
0.600	-1.4361	-1.3767	-1.3432	-1.2766	-0.7919
0.625	*******	*******	-1.4488	-1.3870	-0.7138
0.650	-1.5023	-1.6142	-1.2693	-1.1713	-0.6795
0.675	*******	-1.6093	-1.1706	-1.0817	-0.6639
0.700	-1.4806	-1.4453	-1.1601	-1.0755	-0.6596
0.725	*******	-1.3860	*******	-1.0893	-0.6372
0.750	-1.3815	-1.3795	*******	-1.1004	-0.6072
0.775	*******	-1.3776	-1.1766	-1.1163	-0.5555
0.800	-1.2851	-1.3656	-1.2149	-1.1259	*******
0.825	*******	-1.3133	-1.2431	-1.1051	-0.4839
0.850	-1.2073	-1.2509	-1.1719	-1.0878	-0.4396
0.875	*******	-1.2074	-1.0497	-1.0158	-0.4680
0.900	-1.1572	-1.1652	-1.0659	-0.9455	*******
0.925	*******	-1.1222	-1.0722	-0.9431	-0.4564
0.950	-1.1947	-1.1037	-1.0709	-0.9490	-0.4076
0.975	*******	-1.0933	-1.0550	-0.9469	-0.3864

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.4328	0.3827	0.3823	*******	-0.5687
-0.400	0.4278	0.3857	0.3543	0.1646	-0.6268
-0.600	*******	0.3971	0.3461	0.1934	-0.5988
-0.700	*******	0.3969	0.3509	0.2039	-0.5715
-0.800	0.4356	0.4015	0.3468	0.2269	-0.4878
-0.850	0.4098	0.3743	0.3452	0.2311	-0.4648
-0.900	0.3624	0.3582	0.3258	0.2342	-0.4158
-0.950	*******	*******	0.2370	0.1857	-0.1202
-0.975	*******	0.1337	0.1131	0.0857	-0.0541



Sharp Radius L.E.

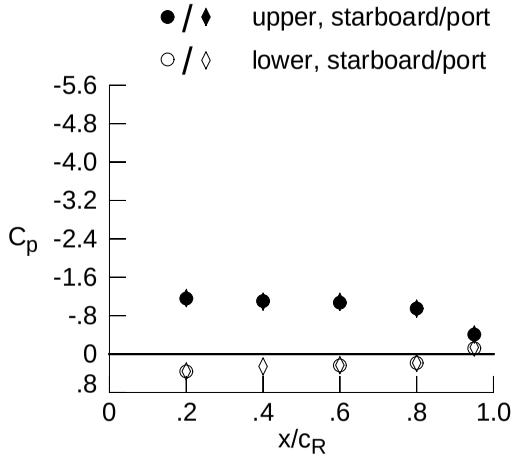
Run No. = 88 , Point No. = 1950

C_N = 0.899, C_m = -0.1429

α = 18.6 °, M_∞ = 0.851

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge

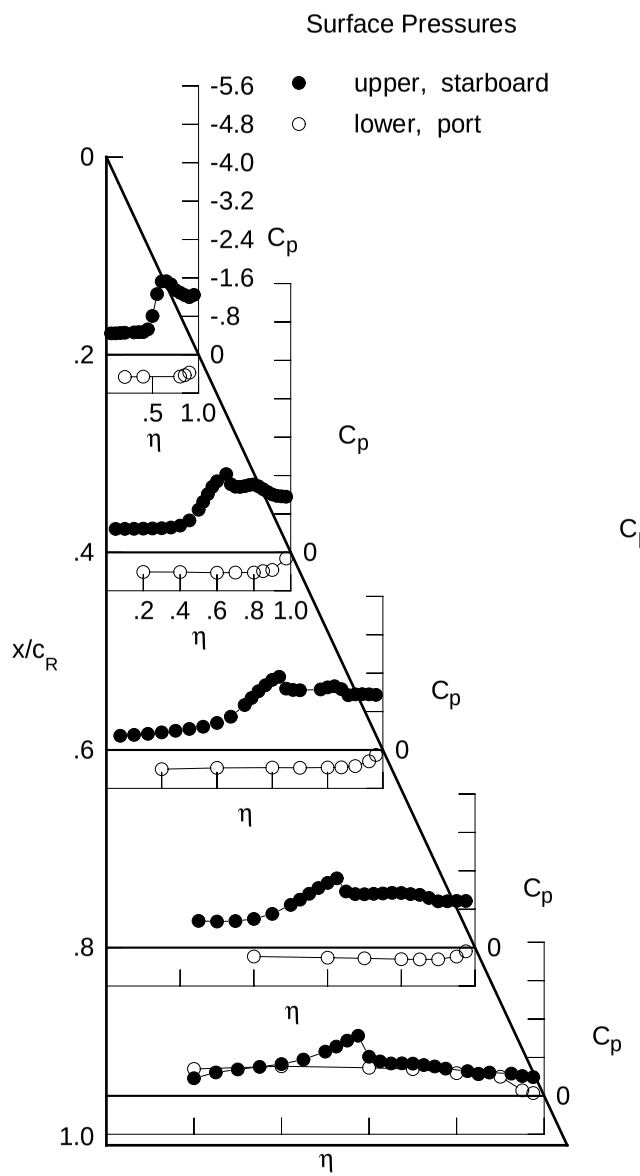


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.1572	-1.1653	0.3594	0.3624
0.40	0.95	-1.1037	-1.0935	0.2579	*******
0.60	0.95	-1.0709	-1.0897	0.2311	0.2370
0.80	0.95	-0.9490	-0.9479	0.1846	0.1857
0.95	0.95	-0.4076	-0.4099	-0.1404	-0.1202

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.4444	-0.4889	-0.2961	*******	*******
0.100	-0.4454	-0.4892	-0.3143	*******	*******
0.150	-0.4527	-0.4914	-0.3359	*******	*******
0.200	-0.4580	-0.4943	-0.3664	*******	-0.3662
0.250	*******	-0.4984	-0.4004	-0.5570	-0.4871
0.300	-0.4650	-0.5030	-0.4386	-0.5431	-0.5499
0.350	-0.4702	-0.5175	-0.4836	-0.5535	-0.6032
0.400	-0.4723	-0.5577	-0.5629	-0.5974	-0.6621
0.450	-0.5290	-0.6655	-0.6927	-0.7026	-0.7564
0.500	-0.8070	-0.8882	-0.9362	-0.8897	-0.9210
0.525	*******	-1.0522	-1.0828	-0.9993	-1.0259
0.550	-1.2635	-1.2135	-1.2241	-1.1217	-1.1506
0.575	*******	-1.3661	-1.3470	-1.2413	-1.2524
0.600	-1.5261	-1.4807	-1.4611	-1.3480	-0.8153
0.625	*******	*******	-1.5248	-1.4431	-0.7179
0.650	-1.5316	-1.6307	-1.2787	-1.1697	-0.6741
0.675	*******	-1.4199	-1.2506	-1.1154	-0.6774
0.700	-1.4660	-1.3691	-1.2442	-1.1123	-0.6709
0.725	*******	-1.3637	*******	-1.1205	-0.6419
0.750	-1.3446	-1.3780	*******	-1.1281	-0.6122
0.775	*******	-1.4029	-1.2615	-1.1409	-0.5674
0.800	-1.2909	-1.4150	-1.3038	-1.1388	*******
0.825	*******	-1.3761	-1.3277	-1.1153	-0.5143
0.850	-1.2422	-1.3157	-1.2675	-1.0996	-0.4599
0.875	*******	-1.2563	-1.1405	-1.0348	-0.4851
0.900	-1.1989	-1.2072	-1.1594	-0.9642	*******
0.925	*******	-1.1777	-1.1627	-0.9654	-0.4630
0.950	-1.2464	-1.1671	-1.1593	-0.9725	-0.4125
0.975	*******	-1.1590	-1.1484	-0.9719	-0.3900

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.4630	0.4087	0.4002	*******	-0.5599
-0.400	0.4567	0.4107	0.3739	0.1851	-0.6159
-0.600	*******	0.4251	0.3674	0.2098	-0.5850
-0.700	*******	0.4206	0.3716	0.2230	-0.5557
-0.800	0.4560	0.4206	0.3652	0.2419	-0.4732
-0.850	0.4263	0.3913	0.3623	0.2459	-0.4503
-0.900	0.3727	0.3663	0.3359	0.2442	-0.3984
-0.950	*******	*******	0.2364	0.1860	-0.1146
-0.975	*******	0.1273	0.1041	0.0771	-0.0572



Sharp Radius L.E.

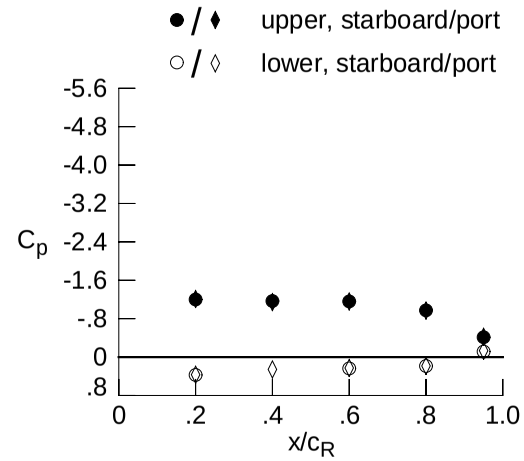
Run No. = 88 , Point No. = 1951

C_N = 0.959, C_m = -0.1538

α = 19.6 °, M_∞ = 0.850

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge



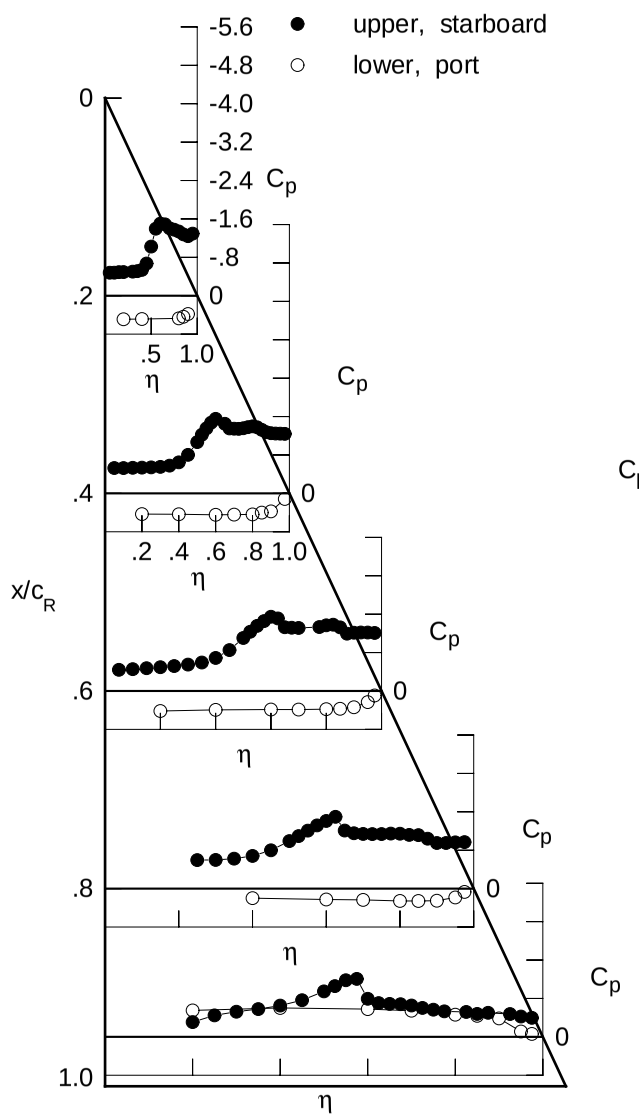
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.1989	-1.2099	0.3674	0.3727
0.40	0.95	-1.1671	-1.1444	0.2573	*******
0.60	0.95	-1.1593	-1.1590	0.2275	0.2364
0.80	0.95	-0.9725	-0.9696	0.1841	0.1860
0.95	0.95	-0.4125	-0.4234	-0.1333	-0.1146

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.4796	-0.5279	-0.4405	*******	*******
0.100	-0.4802	-0.5269	-0.4547	*******	*******
0.150	-0.4911	-0.5325	-0.4740	*******	*******
0.200	-0.4927	-0.5358	-0.4951	*******	-0.3068
0.250	*******	-0.5414	-0.5189	-0.5947	-0.4475
0.300	-0.5013	-0.5518	-0.5499	-0.5979	-0.5235
0.350	-0.5124	-0.5773	-0.5929	-0.6239	-0.5783
0.400	-0.5385	-0.6465	-0.6880	-0.6810	-0.6511
0.450	-0.6712	-0.8024	-0.8521	-0.7986	-0.7634
0.500	-1.0242	-1.0683	-1.1041	-0.9901	-0.9468
0.525	*******	-1.2216	-1.2339	-1.0944	-1.0567
0.550	-1.3957	-1.3542	-1.3558	-1.2081	-1.1789
0.575	*******	-1.4725	-1.4560	-1.3165	-1.2072
0.600	-1.5027	-1.5530	-1.5464	-1.4092	-0.7924
0.625	*******	*******	-1.5115	-1.4957	-0.7035
0.650	-1.4872	-1.4497	-1.3277	-1.2099	-0.6865
0.675	*******	-1.3531	-1.3177	-1.1532	-0.6802
0.700	-1.4055	-1.3472	-1.3129	-1.1393	-0.6529
0.725	*******	-1.3442	*******	-1.1357	-0.6027
0.750	-1.3755	-1.3570	*******	-1.1368	-0.5657
0.775	*******	-1.3789	-1.3321	-1.1460	-0.5309
0.800	-1.3382	-1.3967	-1.3678	-1.1438	*******
0.825	*******	-1.3765	-1.3805	-1.1191	-0.5180
0.850	-1.2782	-1.3241	-1.3260	-1.1143	-0.4773
0.875	*******	-1.2747	-1.1937	-1.0396	-0.5008
0.900	-1.2404	-1.2536	-1.2136	-0.9504	*******
0.925	*******	-1.2463	-1.2185	-0.9505	-0.4750
0.950	-1.2934	-1.2440	-1.2178	-0.9641	-0.4234
0.975	*******	-1.2396	-1.2086	-0.9688	-0.3957

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.4902	0.4318	0.4173	*******	-0.5507
-0.400	0.4854	0.4354	0.3937	0.1988	-0.6020
-0.600	*******	0.4467	0.3866	0.2268	-0.5777
-0.700	*******	0.4428	0.3872	0.2348	-0.5446
-0.800	0.4719	0.4384	0.3790	0.2571	-0.4617
-0.850	0.4381	0.4012	0.3710	0.2574	-0.4374
-0.900	0.3806	0.3750	0.3390	0.2517	-0.3839
-0.950	*******	*******	0.2324	0.1837	-0.1110
-0.975	*******	0.1164	0.0934	0.0684	-0.0605

Surface Pressures



Sharp Radius L.E.

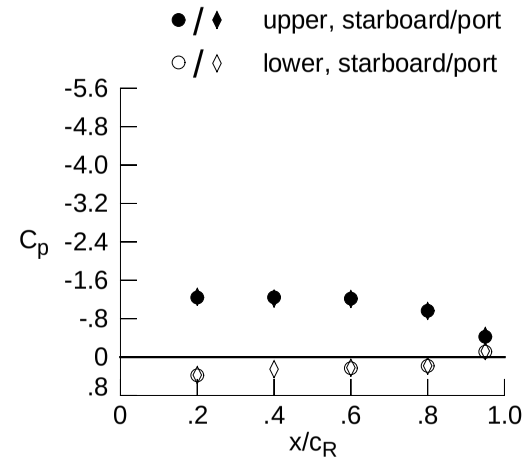
Run No. = 88 , Point No. = 1952

C_N = 1.017, C_m = -0.1656

α = 20.6 °, M_∞ = 0.850

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge

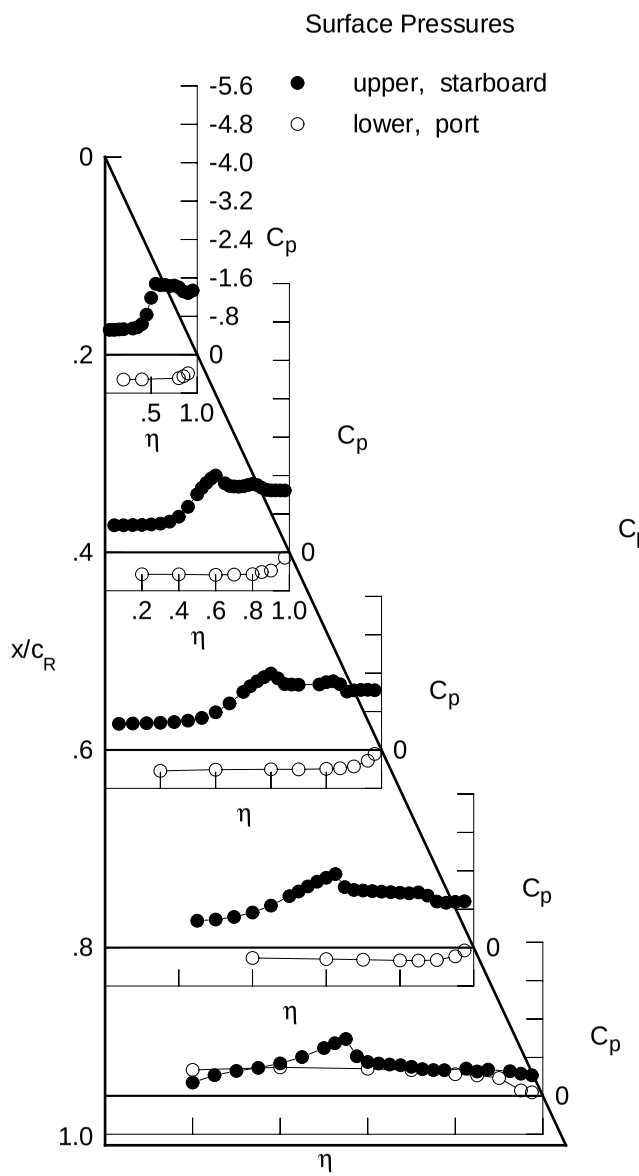


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.2404	-1.2562	0.3733	0.3806
0.40	0.95	-1.2440	-1.2201	0.2519	*******
0.60	0.95	-1.2178	-1.2092	0.2209	0.2324
0.80	0.95	-0.9641	-0.9598	0.1825	0.1837
0.95	0.95	-0.4234	-0.4407	-0.1259	-0.1110

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.5175	-0.5638	-0.5450	*******	*******
0.100	-0.5185	-0.5639	-0.5517	*******	*******
0.150	-0.5263	-0.5693	-0.5579	*******	*******
0.200	-0.5321	-0.5712	-0.5664	*******	-0.2760
0.250	*******	-0.5819	-0.5823	-0.5595	-0.4302
0.300	-0.5459	-0.5982	-0.6112	-0.5845	-0.5190
0.350	-0.5709	-0.6400	-0.6678	-0.6381	-0.5829
0.400	-0.6369	-0.7433	-0.7856	-0.7315	-0.6763
0.450	-0.8337	-0.9486	-0.9696	-0.8751	-0.8079
0.500	-1.1853	-1.2106	-1.2091	-1.0725	-0.9957
0.525	*******	-1.3414	-1.3272	-1.1697	-1.0961
0.550	-1.4775	-1.4476	-1.4304	-1.2746	-1.1838
0.575	*******	-1.5367	-1.5159	-1.3724	-0.8249
0.600	-1.4506	-1.6008	-1.5917	-1.4553	-0.7050
0.625	*******	*******	-1.4922	-1.5326	-0.6725
0.650	-1.4554	-1.4393	-1.3731	-1.2609	-0.6527
0.675	*******	-1.3845	-1.3635	-1.2014	-0.6379
0.700	-1.4303	-1.3739	-1.3590	-1.1896	-0.6047
0.725	*******	-1.3684	*******	-1.1771	-0.5556
0.750	-1.4413	-1.3777	*******	-1.1662	-0.5370
0.775	*******	-1.4026	-1.3648	-1.1554	-0.5344
0.800	-1.4033	-1.4268	-1.4119	-1.1443	*******
0.825	*******	-1.4025	-1.4309	-1.1320	-0.5692
0.850	-1.3188	-1.3471	-1.3682	-1.1502	-0.5073
0.875	*******	-1.3027	-1.2157	-1.0822	-0.5463
0.900	-1.2844	-1.2913	-1.2418	-0.9602	*******
0.925	*******	-1.2911	-1.2509	-0.9341	-0.5128
0.950	-1.3385	-1.2908	-1.2539	-0.9526	-0.4610
0.975	*******	-1.2886	-1.2450	-0.9646	-0.4279

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.5175	0.4565	0.4349	*******	-0.5404
-0.400	0.5134	0.4585	0.4108	0.2159	-0.5932
-0.600	*******	0.4687	0.4029	0.2388	-0.5647
-0.700	*******	0.4636	0.4037	0.2519	-0.5353
-0.800	0.4884	0.4550	0.3929	0.2674	-0.4505
-0.850	0.4489	0.4103	0.3818	0.2700	-0.4254
-0.900	0.3869	0.3793	0.3439	0.2587	-0.3723
-0.950	*******	*******	0.2241	0.1820	-0.1119
-0.975	*******	0.1113	0.0819	0.0594	-0.0730



Sharp Radius L.E.

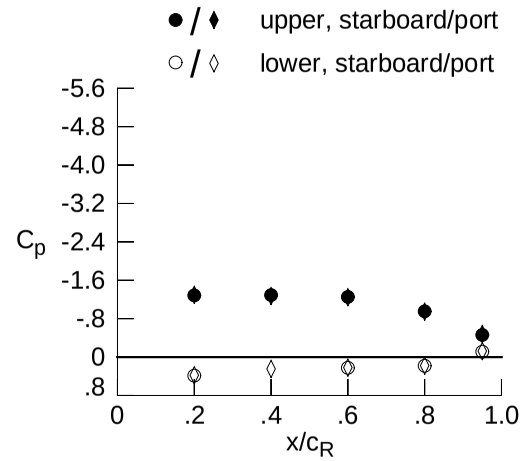
Run No. = 88 , Point No. = 1953

C_N = 1.073, C_m = -0.1773

α = 21.6 °, M_∞ = 0.850

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge



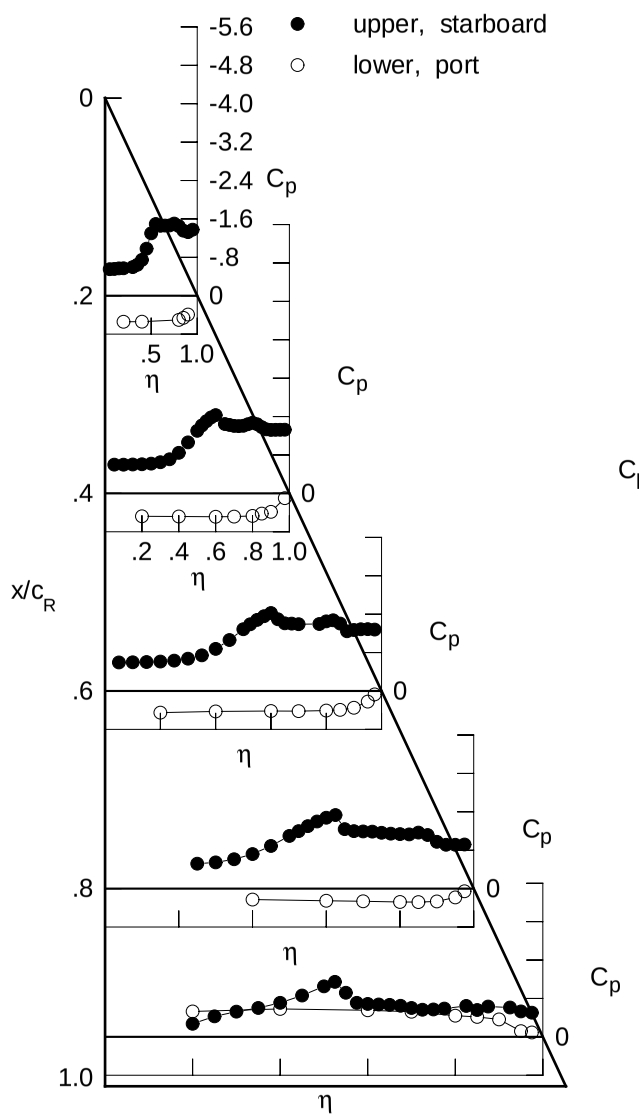
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.2844	-1.2986	0.3791	0.3869
0.40	0.95	-1.2908	-1.2715	0.2461	*******
0.60	0.95	-1.2539	-1.2476	0.2187	0.2241
0.80	0.95	-0.9526	-0.9453	0.1790	0.1820
0.95	0.95	-0.4610	-0.4811	-0.1245	-0.1119

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.5531	-0.5985	-0.5946	*******	*******
0.100	-0.5574	-0.5973	-0.5976	*******	*******
0.150	-0.5697	-0.6018	-0.6035	*******	*******
0.200	-0.5717	-0.6060	-0.6132	*******	-0.2718
0.250	*******	-0.6194	-0.6319	-0.5191	-0.4268
0.300	-0.5963	-0.6487	-0.6725	-0.5462	-0.5249
0.350	-0.6437	-0.7102	-0.7427	-0.6116	-0.6018
0.400	-0.7469	-0.8452	-0.8766	-0.7201	-0.7087
0.450	-0.9801	-1.0624	-1.0618	-0.8888	-0.8611
0.500	-1.3000	-1.3033	-1.2864	-1.0979	-1.0524
0.525	*******	-1.4146	-1.3896	-1.1977	-1.1459
0.550	-1.4941	-1.5039	-1.4806	-1.3017	-0.9184
0.575	*******	-1.5816	-1.5574	-1.3982	-0.7091
0.600	-1.4569	-1.6306	-1.6238	-1.4770	-0.6854
0.625	*******	*******	-1.4944	-1.5332	-0.6746
0.650	-1.4617	-1.4445	-1.4099	-1.2390	-0.6663
0.675	*******	-1.4254	-1.4029	-1.1976	-0.6473
0.700	-1.4637	-1.4059	-1.3914	-1.1913	-0.6019
0.725	*******	-1.4008	*******	-1.1876	-0.5645
0.750	-1.5035	-1.4082	*******	-1.1633	-0.5703
0.775	*******	-1.4408	-1.3951	-1.1446	-0.5889
0.800	-1.4502	-1.4709	-1.4507	-1.1363	*******
0.825	*******	-1.4403	-1.4726	-1.1293	-0.6439
0.850	-1.3555	-1.3799	-1.4047	-1.1675	-0.5596
0.875	*******	-1.3343	-1.2442	-1.1168	-0.6313
0.900	-1.3246	-1.3218	-1.2701	-0.9749	*******
0.925	*******	-1.3240	-1.2853	-0.9133	-0.6109
0.950	-1.3758	-1.3246	-1.2882	-0.9139	-0.5300
0.975	*******	-1.3263	-1.2794	-0.9195	-0.5034

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.5421	0.4778	0.4514	*******	-0.5288
-0.400	0.5409	0.4817	0.4264	0.2276	-0.5812
-0.600	*******	0.4872	0.4178	0.2532	-0.5533
-0.700	*******	0.4841	0.4201	0.2637	-0.5231
-0.800	0.5041	0.4694	0.4081	0.2787	-0.4408
-0.850	0.4611	0.4216	0.3938	0.2805	-0.4152
-0.900	0.3923	0.3844	0.3498	0.2669	-0.3631
-0.950	*******	*******	0.2212	0.1830	-0.1180
-0.975	*******	0.0999	0.0709	0.0552	-0.0913

Surface Pressures



Sharp Radius L.E.

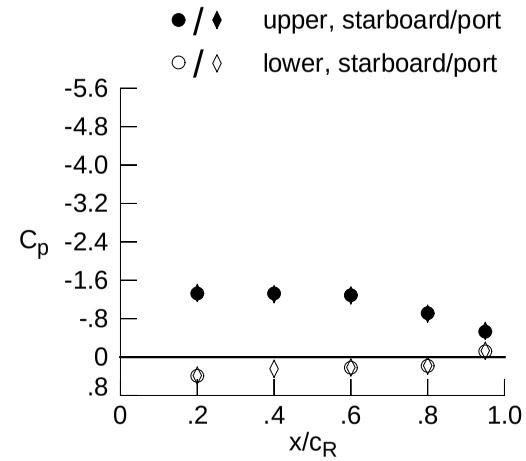
Run No. = 88 , Point No. = 1954

C_N = 1.125, C_m = -0.1864

α = 22.6 °, M_∞ = 0.850

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge

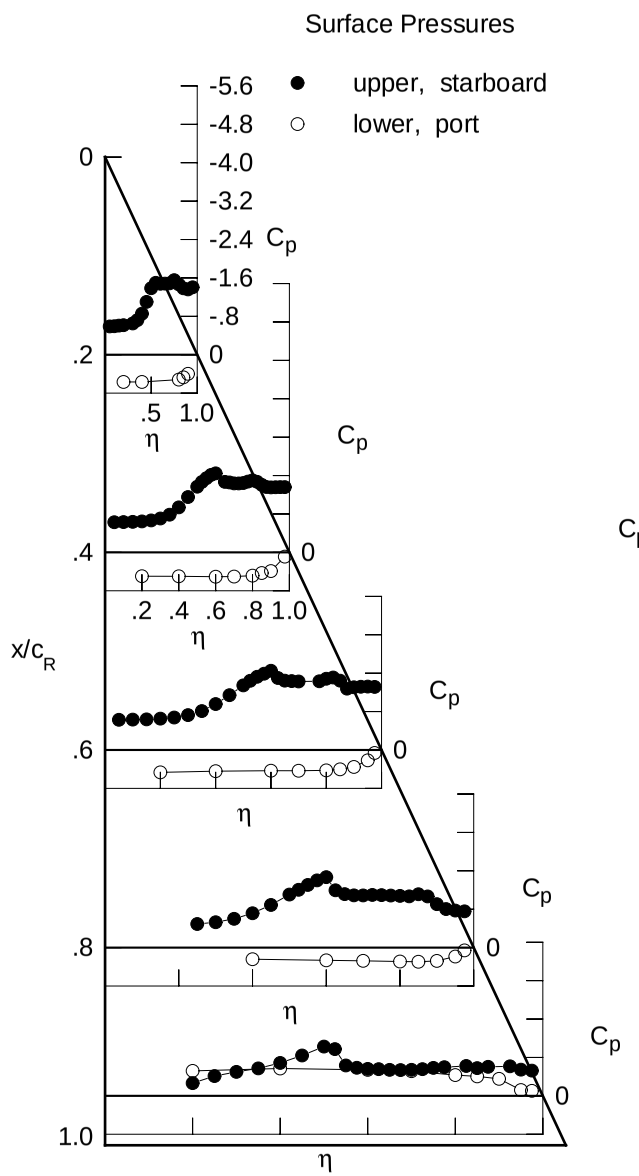


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.3246	-1.3364	0.3851	0.3923
0.40	0.95	-1.3246	-1.3104	0.2446	*******
0.60	0.95	-1.2882	-1.2859	0.2150	0.2212
0.80	0.95	-0.9139	-0.9042	0.1781	0.1830
0.95	0.95	-0.5300	-0.5462	-0.1324	-0.1180

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.5898	-0.6280	-0.6287	*******	*******
0.100	-0.5940	-0.6313	-0.6329	*******	*******
0.150	-0.6064	-0.6357	-0.6380	*******	*******
0.200	-0.6152	-0.6446	-0.6528	*******	-0.2649
0.250	*******	-0.6652	-0.6762	-0.4920	-0.4121
0.300	-0.6511	-0.7058	-0.7267	-0.5286	-0.4989
0.350	-0.7197	-0.7845	-0.8105	-0.6002	-0.5721
0.400	-0.8550	-0.9375	-0.9565	-0.7160	-0.6854
0.450	-1.1005	-1.1524	-1.1416	-0.8889	-0.8407
0.500	-1.3853	-1.3677	-1.3457	-1.1053	-1.0265
0.525	*******	-1.4670	-1.4415	-1.2046	-0.9739
0.550	-1.4986	-1.5458	-1.5250	-1.3059	-0.6326
0.575	*******	-1.6134	-1.5888	-1.4006	-0.5846
0.600	-1.4781	-1.6467	-1.6506	-1.4683	-0.5613
0.625	*******	*******	-1.5001	-1.1947	-0.5562
0.650	-1.4816	-1.4688	-1.4442	-1.1143	-0.5418
0.675	*******	-1.4571	-1.4355	-1.0889	-0.5371
0.700	-1.4876	-1.4368	-1.4276	-1.0875	-0.5426
0.725	*******	-1.4358	*******	-1.0977	-0.5562
0.750	-1.5538	-1.4450	*******	-1.0936	-0.5824
0.775	*******	-1.4744	-1.4314	-1.0851	-0.5967
0.800	-1.4658	-1.5009	-1.4839	-1.0775	*******
0.825	*******	-1.4694	-1.5099	-1.0681	-0.6226
0.850	-1.3843	-1.4072	-1.4440	-1.1120	-0.5773
0.875	*******	-1.3623	-1.2773	-1.0666	-0.6047
0.900	-1.3607	-1.3535	-1.3061	-0.9057	*******
0.925	*******	-1.3565	-1.3167	-0.8033	-0.6151
0.950	-1.4048	-1.3588	-1.3206	-0.7718	-0.5457
0.975	*******	-1.3591	-1.3132	-0.7560	-0.5252

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.5670	0.4970	0.4664	*******	-0.5196
-0.400	0.5675	0.4988	0.4419	0.2417	-0.5697
-0.600	*******	0.5070	0.4318	0.2645	-0.5410
-0.700	*******	0.5039	0.4327	0.2753	-0.5136
-0.800	0.5186	0.4848	0.4246	0.2894	-0.4324
-0.850	0.4714	0.4303	0.4035	0.2945	-0.4056
-0.900	0.3978	0.3893	0.3538	0.2768	-0.3545
-0.950	*******	*******	0.2156	0.1854	-0.1212
-0.975	*******	0.0888	0.0624	0.0577	-0.1036



Sharp Radius L.E.

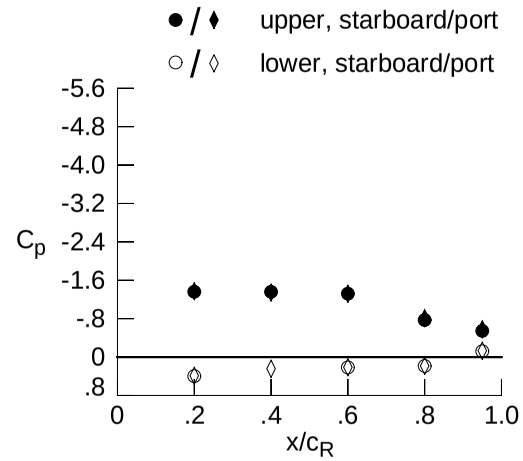
Run No. = 88 , Point No. = 1955

C_N = 1.163, C_m = -0.1901

α = 23.6 °, M_∞ = 0.851

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge



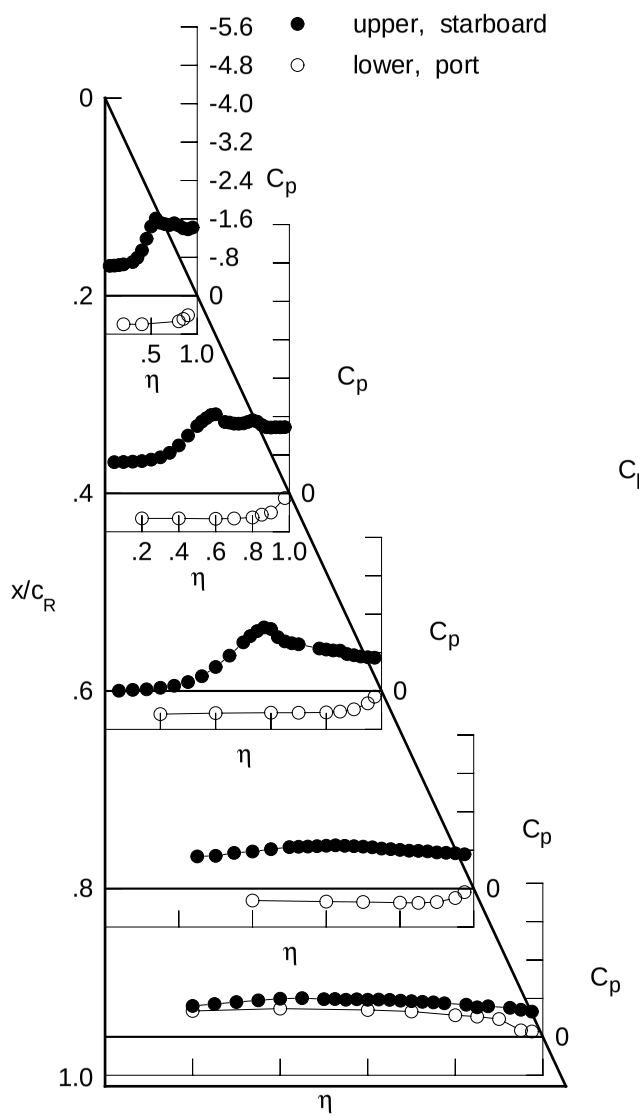
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.3607	-1.3731	0.3899	0.3978
0.40	0.95	-1.3588	-1.3466	0.2429	*******
0.60	0.95	-1.3206	-1.3206	0.2115	0.2156
0.80	0.95	-0.7718	-0.8102	0.1848	0.1854
0.95	0.95	-0.5457	-0.5798	-0.1331	-0.1212

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.6224	-0.6502	-0.0059	*******	*******
0.100	-0.6273	-0.6539	-0.0229	*******	*******
0.150	-0.6380	-0.6609	-0.0343	*******	*******
0.200	-0.6526	-0.6726	-0.0668	*******	-0.6442
0.250	*******	-0.7022	-0.1090	-0.6708	-0.6839
0.300	-0.7022	-0.7516	-0.1860	-0.6835	-0.7250
0.350	-0.7904	-0.8437	-0.3072	-0.7438	-0.7602
0.400	-0.9436	-0.9986	-0.5001	-0.7727	-0.7948
0.450	-1.1863	-1.2034	-0.7361	-0.8215	-0.8065
0.500	-1.4426	-1.4032	-1.0126	-0.8645	-0.7845
0.525	*******	-1.4953	-1.1435	-0.8717	-0.7883
0.550	-1.6081	-1.5670	-1.2472	-0.8757	-0.7724
0.575	*******	-1.6315	-1.3242	-0.8842	-0.7825
0.600	-1.5201	-1.6483	-1.2909	-0.8940	-0.7730
0.625	*******	*******	-1.1215	-0.9023	-0.7765
0.650	-1.4915	-1.4873	-1.0328	-0.8918	-0.7704
0.675	*******	-1.4747	-0.9941	-0.8844	-0.7538
0.700	-1.4736	-1.4524	-0.9734	-0.8741	-0.7435
0.725	*******	-1.4510	*******	-0.8607	-0.7299
0.750	-1.5100	-1.4583	*******	-0.8343	-0.7184
0.775	*******	-1.4882	-0.8848	-0.8225	-0.6996
0.800	-1.4634	-1.5244	-0.8633	-0.8072	*******
0.825	*******	-1.4933	-0.8443	-0.7898	-0.6698
0.850	-1.4046	-1.4250	-0.8403	-0.7860	-0.6154
0.875	*******	-1.3777	-0.7694	-0.7759	-0.6368
0.900	-1.3843	-1.3715	-0.7447	-0.7533	*******
0.925	*******	-1.3776	-0.7184	-0.7467	-0.6048
0.950	-1.4213	-1.3761	-0.7028	-0.7358	-0.5637
0.975	*******	-1.3788	-0.6930	-0.7151	-0.5256

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.5942	0.5214	0.4827	*******	-0.5389
-0.400	0.5945	0.5219	0.4620	0.2481	-0.5879
-0.600	*******	0.5297	0.4528	0.2706	-0.5596
-0.700	*******	0.5232	0.4535	0.2793	-0.5281
-0.800	0.5325	0.5024	0.4473	0.2925	-0.4499
-0.850	0.4840	0.4438	0.4299	0.2976	-0.4216
-0.900	0.4061	0.3981	0.3831	0.2803	-0.3709
-0.950	*******	*******	0.2576	0.1962	-0.1341
-0.975	*******	0.0976	0.1181	0.0729	-0.1116

Surface Pressures



Sharp Radius L.E.

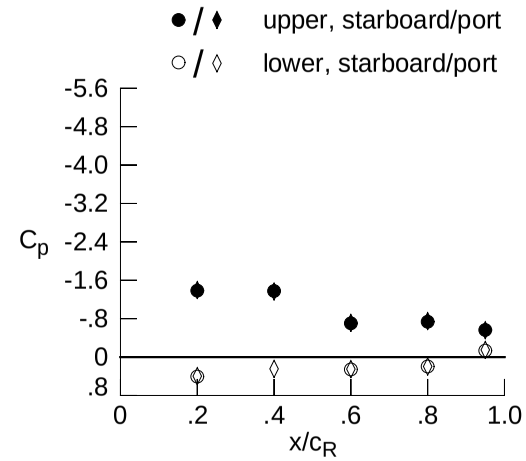
Run No. = 88 , Point No. = 1956

C_N = 1.082, C_m = -0.1729

α = 24.6 °, M_∞ = 0.851

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge

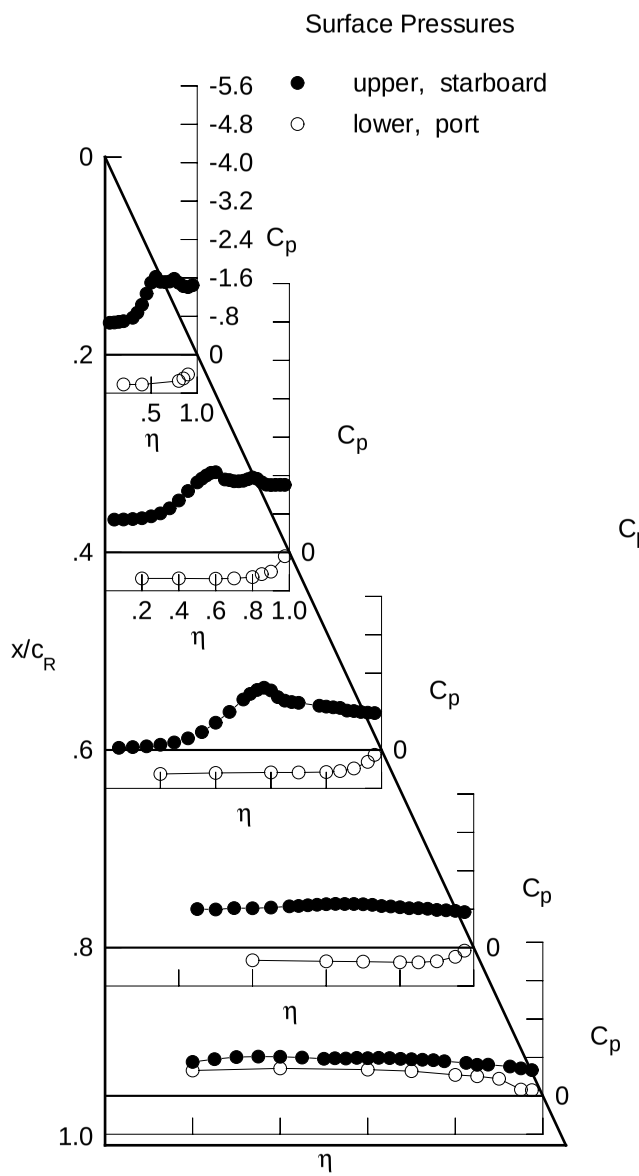


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.3843	-1.3968	0.3970	0.4061
0.40	0.95	-1.3761	-1.3675	0.2457	*******
0.60	0.95	-0.7028	-0.7128	0.2504	0.2576
0.80	0.95	-0.7358	-0.7500	0.1960	0.1962
0.95	0.95	-0.5637	-0.5598	-0.1497	-0.1341

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.6657	-0.6822	-0.0447	*******	*******
0.100	-0.6714	-0.6844	-0.0599	*******	*******
0.150	-0.6846	-0.6948	-0.0762	*******	*******
0.200	-0.6981	-0.7110	-0.1085	*******	-0.7061
0.250	*******	-0.7509	-0.1567	-0.8031	-0.7643
0.300	-0.7695	-0.8118	-0.2421	-0.7946	-0.8079
0.350	-0.8755	-0.9178	-0.3721	-0.8233	-0.8179
0.400	-1.0407	-1.0808	-0.5678	-0.8197	-0.8145
0.450	-1.2729	-1.2785	-0.7925	-0.8344	-0.7976
0.500	-1.5004	-1.4576	-1.0515	-0.8597	-0.7722
0.525	*******	-1.5350	-1.1681	-0.8678	-0.7836
0.550	-1.6221	-1.6016	-1.2503	-0.8821	-0.7775
0.575	*******	-1.6568	-1.2964	-0.8928	-0.7911
0.600	-1.5197	-1.6695	-1.2398	-0.9050	-0.7846
0.625	*******	*******	-1.1011	-0.9111	-0.7921
0.650	-1.5138	-1.5187	-1.0272	-0.9092	-0.7867
0.675	*******	-1.5058	-0.9981	-0.9092	-0.7706
0.700	-1.5250	-1.4813	-0.9822	-0.9031	-0.7630
0.725	*******	-1.4818	*******	-0.8912	-0.7520
0.750	-1.5805	-1.4918	*******	-0.8662	-0.7431
0.775	*******	-1.5248	-0.9215	-0.8578	-0.7208
0.800	-1.4978	-1.5601	-0.9033	-0.8413	*******
0.825	*******	-1.5314	-0.8885	-0.8209	-0.6861
0.850	-1.4287	-1.4595	-0.8758	-0.8209	-0.6468
0.875	*******	-1.4108	-0.8201	-0.8098	-0.6494
0.900	-1.4077	-1.4023	-0.8115	-0.7849	*******
0.925	*******	-1.4062	-0.7924	-0.7779	-0.6111
0.950	-1.4481	-1.4075	-0.7770	-0.7655	-0.5723
0.975	*******	-1.4064	-0.7686	-0.7398	-0.5359

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.6191	0.5432	0.5004	*******	-0.5281
-0.400	0.6203	0.5428	0.4785	0.2642	-0.5718
-0.600	*******	0.5485	0.4680	0.2857	-0.5462
-0.700	*******	0.5427	0.4691	0.2922	-0.5146
-0.800	0.5458	0.5156	0.4600	0.3054	-0.4364
-0.850	0.4944	0.4526	0.4394	0.3074	-0.4090
-0.900	0.4107	0.4018	0.3850	0.2846	-0.3563
-0.950	*******	*******	0.2483	0.1912	-0.1306
-0.975	*******	0.0798	0.1005	0.0632	-0.1184



Sharp Radius L.E.

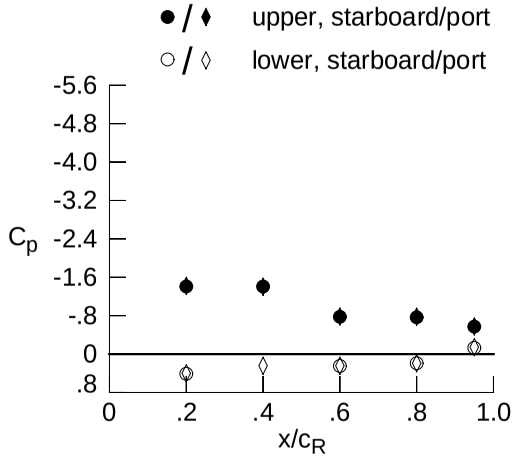
Run No. = 88 , Point No. = 1957

C_N = 1.127, C_m = -0.1764

α = 25.6 °, M_∞ = 0.851

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge

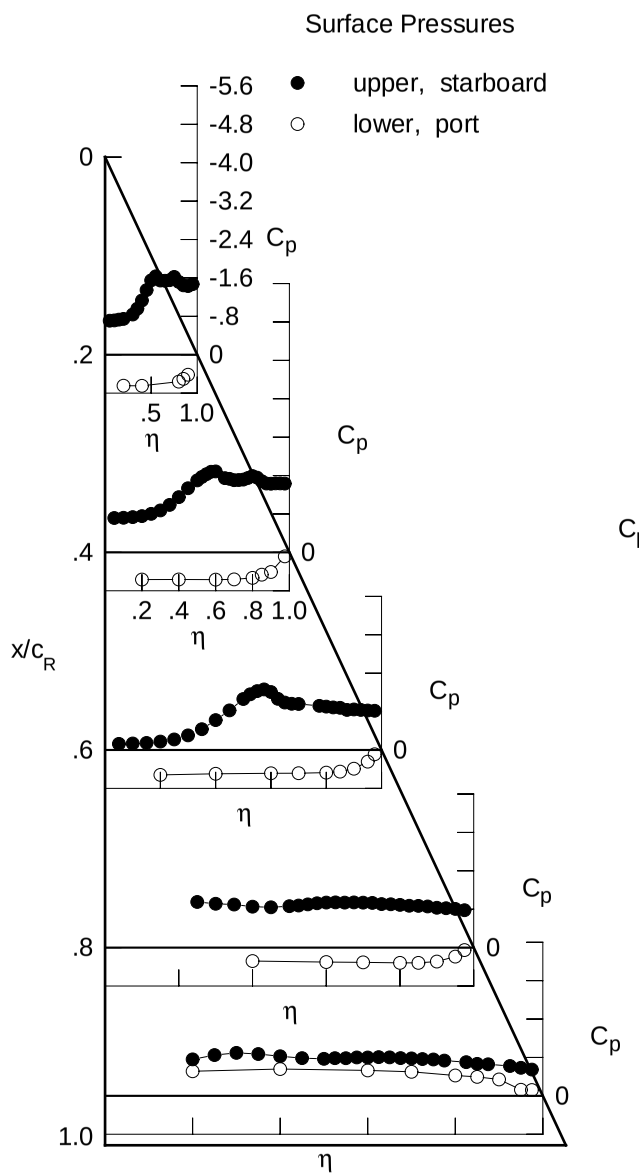


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.4077	-1.4215	0.4002	0.4107
0.40	0.95	-1.4075	-1.4028	0.2432	*******
0.60	0.95	-0.7770	-0.7840	0.2432	0.2483
0.80	0.95	-0.7655	-0.7806	0.1912	0.1912
0.95	0.95	-0.5723	-0.5772	-0.1440	-0.1306

Table C1. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.7088	-0.7161	-0.1272	*******	*******
0.100	-0.7144	-0.7205	-0.1352	*******	*******
0.150	-0.7308	-0.7348	-0.1465	*******	*******
0.200	-0.7464	-0.7555	-0.1754	*******	-0.7598
0.250	*******	-0.8028	-0.2189	-0.9514	-0.8494
0.300	-0.8379	-0.8739	-0.3040	-0.9134	-0.8954
0.350	-0.9590	-0.9887	-0.4325	-0.8978	-0.8713
0.400	-1.1304	-1.1504	-0.6227	-0.8530	-0.8247
0.450	-1.3464	-1.3363	-0.8244	-0.8403	-0.7855
0.500	-1.5488	-1.4991	-1.0614	-0.8629	-0.7708
0.525	*******	-1.5701	-1.1602	-0.8770	-0.7852
0.550	-1.6339	-1.6286	-1.2267	-0.9005	-0.7836
0.575	*******	-1.6794	-1.2619	-0.9238	-0.8000
0.600	-1.5453	-1.6864	-1.2071	-0.9385	-0.7995
0.625	*******	*******	-1.0655	-0.9428	-0.8060
0.650	-1.5408	-1.5462	-0.9878	-0.9374	-0.8014
0.675	*******	-1.5318	-0.9628	-0.9414	-0.7863
0.700	-1.5527	-1.5037	-0.9586	-0.9371	-0.7797
0.725	*******	-1.5076	*******	-0.9313	-0.7665
0.750	-1.6207	-1.5163	*******	-0.9070	-0.7574
0.775	*******	-1.5494	-0.9195	-0.9029	-0.7345
0.800	-1.5171	-1.5892	-0.9030	-0.8904	*******
0.825	*******	-1.5567	-0.8867	-0.8719	-0.7013
0.850	-1.4453	-1.4831	-0.8782	-0.8698	-0.6661
0.875	*******	-1.4340	-0.8347	-0.8574	-0.6577
0.900	-1.4305	-1.4296	-0.8443	-0.8304	*******
0.925	*******	-1.4376	-0.8341	-0.8205	-0.6213
0.950	-1.4702	-1.4368	-0.8225	-0.8067	-0.5842
0.975	*******	-1.4329	-0.8172	-0.7792	-0.5470

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.6456	0.5666	0.5193	*******	-0.5123
-0.400	0.6477	0.5651	0.4962	0.2797	-0.5584
-0.600	*******	0.5681	0.4859	0.3011	-0.5297
-0.700	*******	0.5631	0.4842	0.3071	-0.5008
-0.800	0.5604	0.5312	0.4717	0.3173	-0.4237
-0.850	0.5031	0.4646	0.4511	0.3174	-0.3952
-0.900	0.4169	0.4085	0.3907	0.2903	-0.3416
-0.950	*******	*******	0.2435	0.1868	-0.1266
-0.975	*******	0.0831	0.0896	0.0512	-0.1210



Sharp Radius L.E.

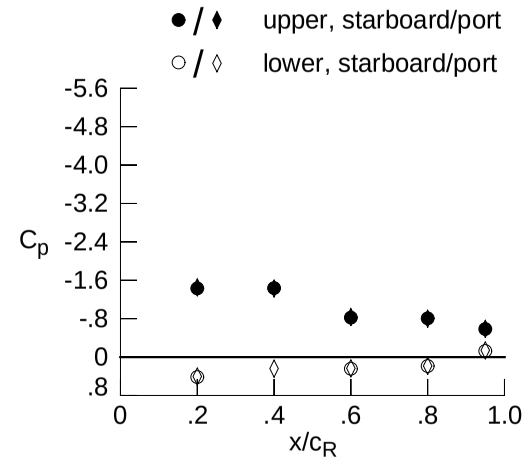
Run No. = 88 , Point No. = 1958

C_N = 1.177, C_m = -0.1878

α = 26.7 °, M_∞ = 0.851

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge



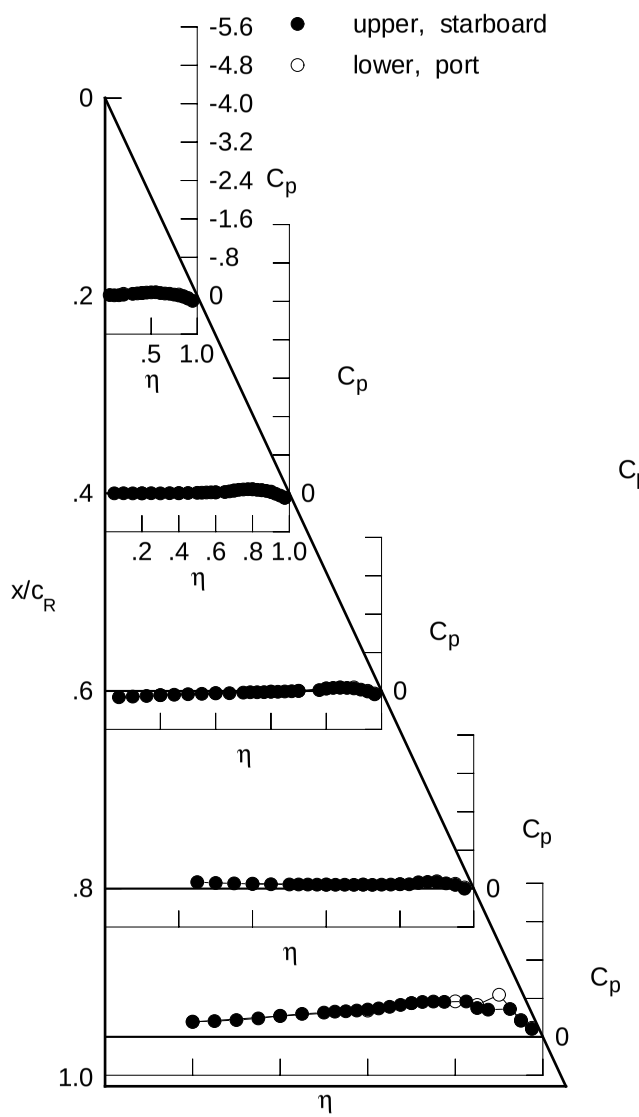
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.4305	-1.4537	0.4043	0.4169
0.40	0.95	-1.4368	-1.4293	0.2401	*******
0.60	0.95	-0.8225	-0.8350	0.2348	0.2435
0.80	0.95	-0.8067	-0.7991	0.1836	0.1868
0.95	0.95	-0.5842	-0.5893	-0.1410	-0.1266

Table C1. Concluded.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.0144	-0.0005	0.1301	*******	*******
0.100	-0.0091	-0.0025	0.1168	*******	*******
0.150	-0.0106	0.0002	0.1038	*******	*******
0.200	-0.0214	0.0002	0.0881	*******	-0.3178
0.250	*******	-0.0033	0.0783	-0.1350	-0.3280
0.300	-0.0389	-0.0001	0.0675	-0.1177	-0.3497
0.350	-0.0480	-0.0043	0.0595	-0.1086	-0.3842
0.400	-0.0572	-0.0064	0.0503	-0.0969	-0.4392
0.450	-0.0649	-0.0082	0.0466	-0.0910	-0.4787
0.500	-0.0708	-0.0111	0.0343	-0.0867	-0.5049
0.525	*******	-0.0136	0.0261	-0.0862	-0.5252
0.550	-0.0726	-0.0187	0.0263	-0.0849	-0.5325
0.575	*******	-0.0219	0.0247	-0.0821	-0.5479
0.600	-0.0561	-0.0233	0.0159	-0.0784	-0.5689
0.625	*******	*******	0.0167	-0.0797	-0.5916
0.650	-0.0458	-0.0281	0.0103	-0.0811	-0.6253
0.675	*******	-0.0418	0.0059	-0.0783	-0.6644
0.700	-0.0405	-0.0617	-0.0006	-0.0816	-0.7016
0.725	*******	-0.0734	*******	-0.0779	-0.7267
0.750	-0.0230	-0.0812	*******	-0.0823	-0.7349
0.775	*******	-0.0875	-0.0181	-0.0844	-0.7290
0.800	-0.0047	-0.0842	-0.0484	-0.0911	*******
0.825	*******	-0.0733	-0.0636	-0.0901	-0.7368
0.850	0.0206	-0.0650	-0.0670	-0.1198	-0.5999
0.875	*******	-0.0511	-0.0637	-0.1390	-0.5664
0.900	0.0598	-0.0284	-0.0538	-0.1369	*******
0.925	*******	0.0078	-0.0282	-0.1097	-0.5798
0.950	0.1072	0.0462	0.0108	-0.0776	-0.3351
0.975	*******	0.0933	0.0699	0.0011	-0.1646

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	-0.0404	-0.0014	0.0861	*******	-0.3093
-0.400	-0.0547	-0.0016	0.0421	-0.1029	-0.4325
-0.600	*******	-0.0189	0.0129	-0.0882	-0.5468
-0.700	*******	-0.0548	-0.0044	-0.0859	-0.7020
-0.800	-0.0249	-0.0869	-0.0555	-0.0930	-0.7392
-0.850	0.0082	-0.0666	-0.0758	-0.1319	-0.6645
-0.900	0.0473	-0.0365	-0.0750	-0.1538	-0.8766
-0.950	*******	*******	-0.0039	-0.1005	-0.3495
-0.975	*******	0.0873	0.0527	-0.0239	-0.1880

Surface Pressures



Sharp Radius L.E.

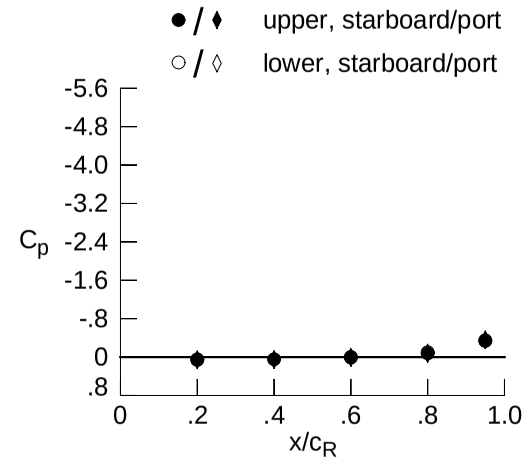
Run No. = 88 , Point No. = 1959

C_N = -0.020, C_m = 0.0069

α = 0.0 °, M_∞ = 0.851

R_{mac} = 6.0×10^6

Surface Pressures Near Leading Edge



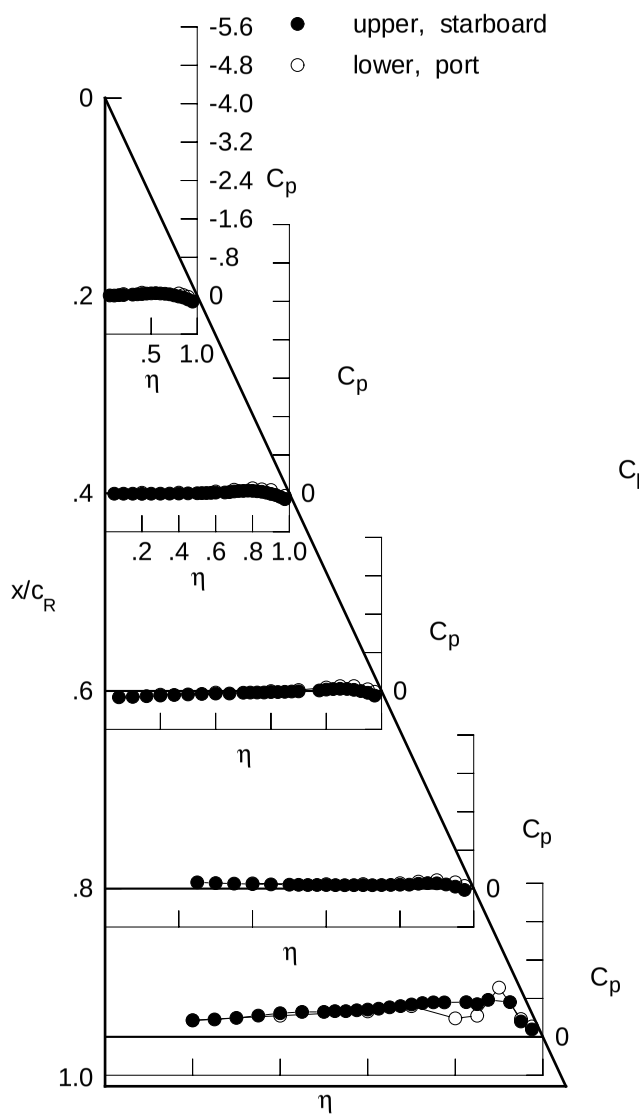
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	0.0598	0.0613	0.0498	0.0473
0.40	0.95	0.0462	0.0563	0.0475	*******
0.60	0.95	0.0108	0.0147	-0.0002	-0.0039
0.80	0.95	-0.0776	-0.0681	-0.0876	-0.1005
0.95	0.95	-0.3351	-0.3542	-0.3631	-0.3495

Table C2. Tabulations and Plots of Surface Pressure Coefficients.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.0055	0.0073	0.1313	*******	*******
0.100	-0.0032	0.0076	0.1228	*******	*******
0.150	-0.0119	0.0075	0.1092	*******	*******
0.200	-0.0147	0.0095	0.0955	*******	-0.3410
0.250	*******	0.0068	0.0830	-0.1307	-0.3622
0.300	-0.0232	0.0067	0.0720	-0.1154	-0.3941
0.350	-0.0294	0.0045	0.0617	-0.1037	-0.4428
0.400	-0.0353	0.0031	0.0535	-0.0941	-0.4923
0.450	-0.0444	-0.0002	0.0530	-0.0882	-0.5191
0.500	-0.0488	-0.0028	0.0368	-0.0814	-0.5193
0.525	*******	-0.0055	0.0338	-0.0793	-0.5351
0.550	-0.0534	-0.0069	0.0316	-0.0748	-0.5354
0.575	*******	-0.0104	0.0318	-0.0758	-0.5536
0.600	-0.0462	-0.0157	0.0228	-0.0749	-0.5677
0.625	*******	*******	0.0224	-0.0726	-0.5864
0.650	-0.0410	-0.0187	0.0174	-0.0711	-0.6153
0.675	*******	-0.0265	0.0114	-0.0721	-0.6402
0.700	-0.0295	-0.0402	0.0080	-0.0724	-0.6740
0.725	*******	-0.0496	*******	-0.0710	-0.7035
0.750	-0.0073	-0.0514	*******	-0.0741	-0.7182
0.775	*******	-0.0569	-0.0103	-0.0765	-0.7174
0.800	0.0165	-0.0529	-0.0288	-0.0820	*******
0.825	*******	-0.0442	-0.0404	-0.0826	-0.7226
0.850	0.0376	-0.0336	-0.0454	-0.1018	-0.6805
0.875	*******	-0.0144	-0.0427	-0.1142	-0.7706
0.900	0.0778	0.0109	-0.0244	-0.1102	*******
0.925	*******	0.0336	0.0017	-0.0867	-0.7228
0.950	0.1236	0.0721	0.0376	-0.0410	-0.3197
0.975	*******	0.1209	0.0967	0.0270	-0.1545

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	-0.0337	-0.0127	0.0773	*******	-0.3474
-0.400	-0.0630	-0.0152	0.0334	-0.1089	-0.4409
-0.600	*******	-0.0393	0.0024	-0.0928	-0.5300
-0.700	*******	-0.0757	-0.0198	-0.0946	-0.6394
-0.800	-0.0472	-0.1067	-0.0717	-0.1125	-0.3846
-0.850	-0.0140	-0.0842	-0.1004	-0.1452	-0.4403
-0.900	0.0213	-0.0696	-0.1013	-0.1753	-1.0254
-0.950	*******	*******	-0.0350	-0.1315	-0.3709
-0.975	*******	0.0521	0.0166	-0.0551	-0.2165

Surface Pressures



Sharp Radius L.E.

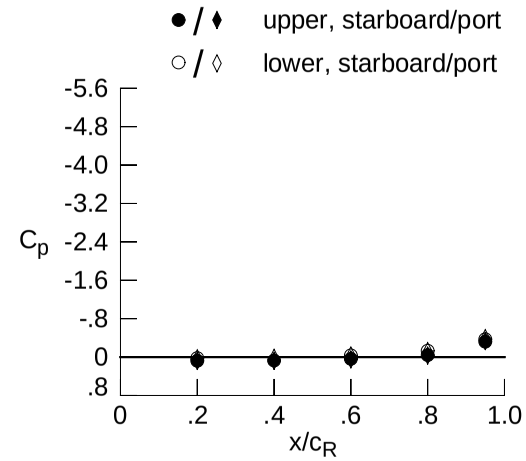
Run No. = 83 , Point No. = 1786

C_N = -0.020, C_m = -0.0031

α = -0.5 °, M_∞ = 0.849

$R_{mac} = 11.9 \times 10^6$

Surface Pressures Near Leading Edge



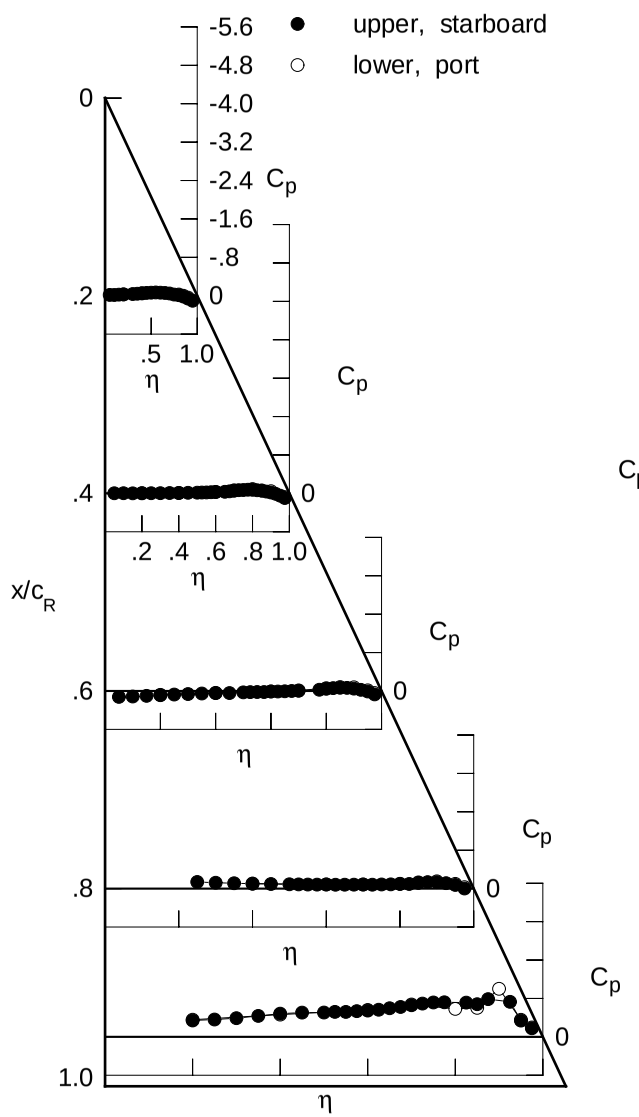
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	0.0778	0.0805	0.0250	0.0213
0.40	0.95	0.0721	0.0788	0.0147	*******
0.60	0.95	0.0376	0.0473	-0.0337	-0.0350
0.80	0.95	-0.0410	-0.0327	-0.1247	-0.1315
0.95	0.95	-0.3197	-0.3331	-0.3953	-0.3709

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.0171	-0.0023	0.1235	*******	*******
0.100	-0.0155	-0.0036	0.1152	*******	*******
0.150	-0.0224	-0.0010	0.1015	*******	*******
0.200	-0.0280	-0.0009	0.0883	*******	-0.3409
0.250	*******	-0.0036	0.0748	-0.1387	-0.3608
0.300	-0.0349	-0.0041	0.0644	-0.1227	-0.3889
0.350	-0.0416	-0.0073	0.0530	-0.1121	-0.4356
0.400	-0.0481	-0.0079	0.0451	-0.1021	-0.4829
0.450	-0.0584	-0.0123	0.0435	-0.0961	-0.5047
0.500	-0.0629	-0.0140	0.0284	-0.0904	-0.5060
0.525	*******	-0.0180	0.0237	-0.0877	-0.5198
0.550	-0.0684	-0.0190	0.0218	-0.0852	-0.5191
0.575	*******	-0.0237	0.0221	-0.0830	-0.5349
0.600	-0.0629	-0.0292	0.0111	-0.0846	-0.5475
0.625	*******	*******	0.0112	-0.0812	-0.5646
0.650	-0.0574	-0.0327	0.0065	-0.0815	-0.5960
0.675	*******	-0.0422	0.0001	-0.0825	-0.6222
0.700	-0.0467	-0.0551	-0.0047	-0.0841	-0.6580
0.725	*******	-0.0660	*******	-0.0818	-0.6924
0.750	-0.0240	-0.0692	*******	-0.0867	-0.7163
0.775	*******	-0.0759	-0.0258	-0.0888	-0.7201
0.800	-0.0110	-0.0743	-0.0460	-0.0976	*******
0.825	*******	-0.0651	-0.0594	-0.0970	-0.7131
0.850	0.0174	-0.0563	-0.0665	-0.1201	-0.6800
0.875	*******	-0.0376	-0.0647	-0.1351	-0.7858
0.900	0.0593	-0.0185	-0.0487	-0.1345	*******
0.925	*******	0.0086	-0.0242	-0.1132	-0.7295
0.950	0.1051	0.0481	0.0104	-0.0769	-0.3387
0.975	*******	0.0968	0.0712	-0.0025	-0.1781

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	-0.0275	-0.0054	0.0811	*******	-0.3569
-0.400	-0.0531	-0.0084	0.0389	-0.1045	-0.4629
-0.600	*******	-0.0296	0.0093	-0.0881	-0.5601
-0.700	*******	-0.0633	-0.0109	-0.0876	-0.6735
-0.800	-0.0248	-0.0899	-0.0577	-0.1006	-0.5826
-0.850	0.0009	-0.0600	-0.0819	-0.1298	-0.6043
-0.900	0.0389	-0.0459	-0.0771	-0.1522	-1.0007
-0.950	*******	*******	-0.0140	-0.0994	-0.3554
-0.975	*******	0.0778	0.0425	-0.0306	-0.1956

Surface Pressures



Sharp Radius L.E.

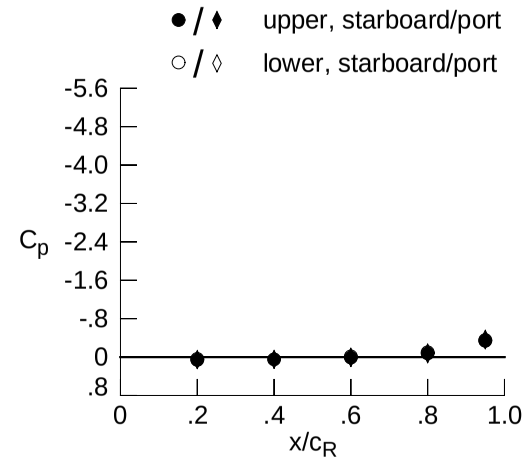
Run No. = 83 , Point No. = 1787

C_N = -0.001, C_m = -0.0064

α = 0.0 °, M_∞ = 0.849

$R_{mac} = 12.0 \times 10^6$

Surface Pressures Near Leading Edge



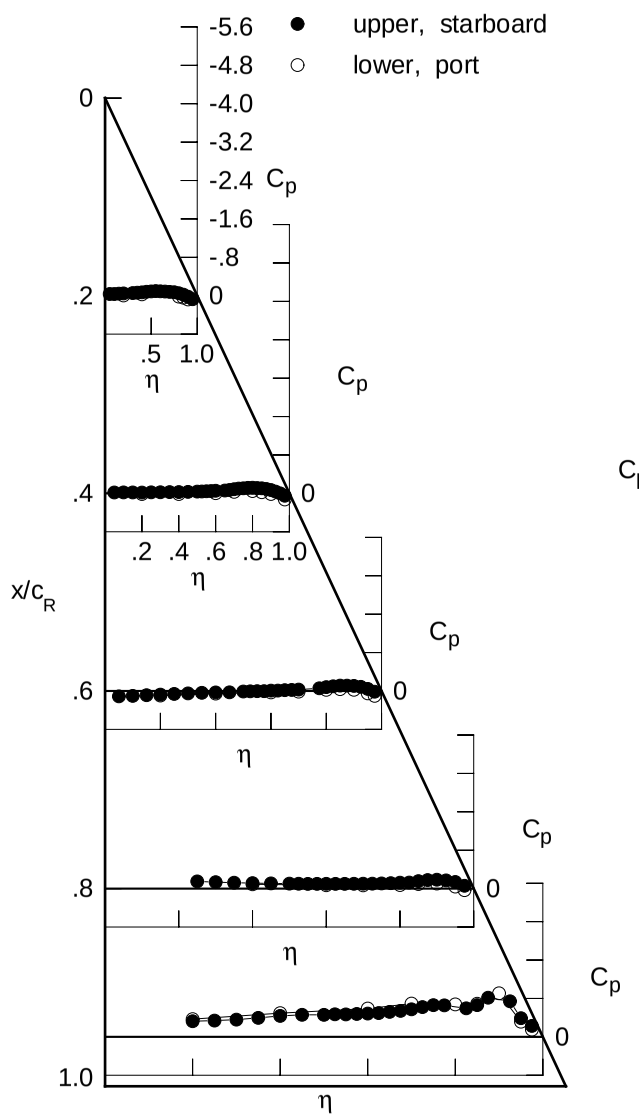
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	0.0593	0.0624	0.0429	0.0389
0.40	0.95	0.0481	0.0551	0.0401	*******
0.60	0.95	0.0104	0.0190	-0.0060	-0.0140
0.80	0.95	-0.0769	-0.0602	-0.0947	-0.0994
0.95	0.95	-0.3387	-0.3509	-0.3796	-0.3554

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.0359	-0.0187	0.1116	*******	*******
0.100	-0.0350	-0.0197	0.1024	*******	*******
0.150	-0.0435	-0.0195	0.0882	*******	*******
0.200	-0.0479	-0.0171	0.0761	*******	-0.3253
0.250	*******	-0.0216	0.0619	-0.1502	-0.3383
0.300	-0.0555	-0.0230	0.0507	-0.1346	-0.3585
0.350	-0.0631	-0.0260	0.0385	-0.1234	-0.3952
0.400	-0.0707	-0.0274	0.0300	-0.1143	-0.4360
0.450	-0.0828	-0.0312	0.0282	-0.1087	-0.4589
0.500	-0.0896	-0.0364	0.0114	-0.1040	-0.4584
0.525	*******	-0.0393	0.0076	-0.1013	-0.4699
0.550	-0.0965	-0.0437	0.0039	-0.0986	-0.4670
0.575	*******	-0.0479	0.0039	-0.0989	-0.4769
0.600	-0.0923	-0.0541	-0.0074	-0.1002	-0.4850
0.625	*******	*******	-0.0079	-0.0990	-0.4952
0.650	-0.0871	-0.0589	-0.0169	-0.0991	-0.5199
0.675	*******	-0.0706	-0.0216	-0.1009	-0.5405
0.700	-0.0804	-0.0863	-0.0286	-0.1023	-0.5739
0.725	*******	-0.1002	*******	-0.1030	-0.6198
0.750	-0.0728	-0.1055	*******	-0.1082	-0.6598
0.775	*******	-0.1152	-0.0560	-0.1138	-0.6558
0.800	-0.0523	-0.1176	-0.0798	-0.1237	*******
0.825	*******	-0.1112	-0.0978	-0.1266	-0.5942
0.850	-0.0223	-0.1054	-0.1122	-0.1557	-0.6609
0.875	*******	-0.0909	-0.1111	-0.1786	-0.8150
0.900	0.0198	-0.0698	-0.1053	-0.1853	*******
0.925	*******	-0.0371	-0.0864	-0.1716	-0.7411
0.950	0.0725	0.0002	-0.0432	-0.1388	-0.3887
0.975	*******	0.0499	0.0153	-0.0589	-0.2283

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	-0.0057	0.0137	0.0953	*******	-0.3691
-0.400	-0.0286	0.0137	0.0547	-0.0908	-0.4934
-0.600	*******	-0.0043	0.0296	-0.0703	-0.5894
-0.700	*******	-0.0320	0.0135	-0.0681	-0.6925
-0.800	0.0188	-0.0483	-0.0243	-0.0740	-0.6762
-0.850	0.0406	-0.0236	-0.0381	-0.0953	-0.6898
-0.900	0.0778	0.0127	-0.0247	-0.1052	-0.9074
-0.950	*******	*******	0.0494	-0.0422	-0.3158
-0.975	*******	0.1268	0.1014	0.0323	-0.1493

Surface Pressures



Sharp Radius L.E.

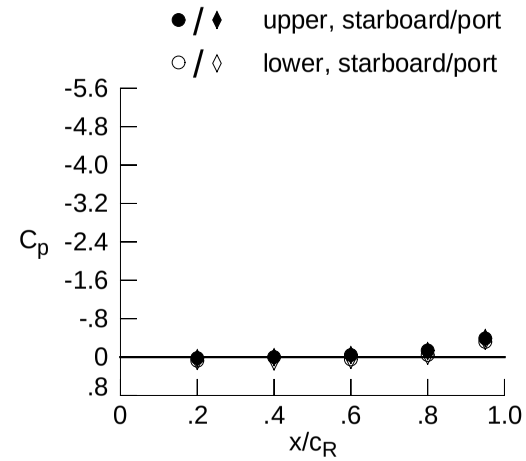
Run No. = 83 , Point No. = 1788

C_N = 0.039, C_m = -0.0119

α = 1.1 °, M_∞ = 0.849

$R_{mac} = 12.0 \times 10^6$

Surface Pressures Near Leading Edge



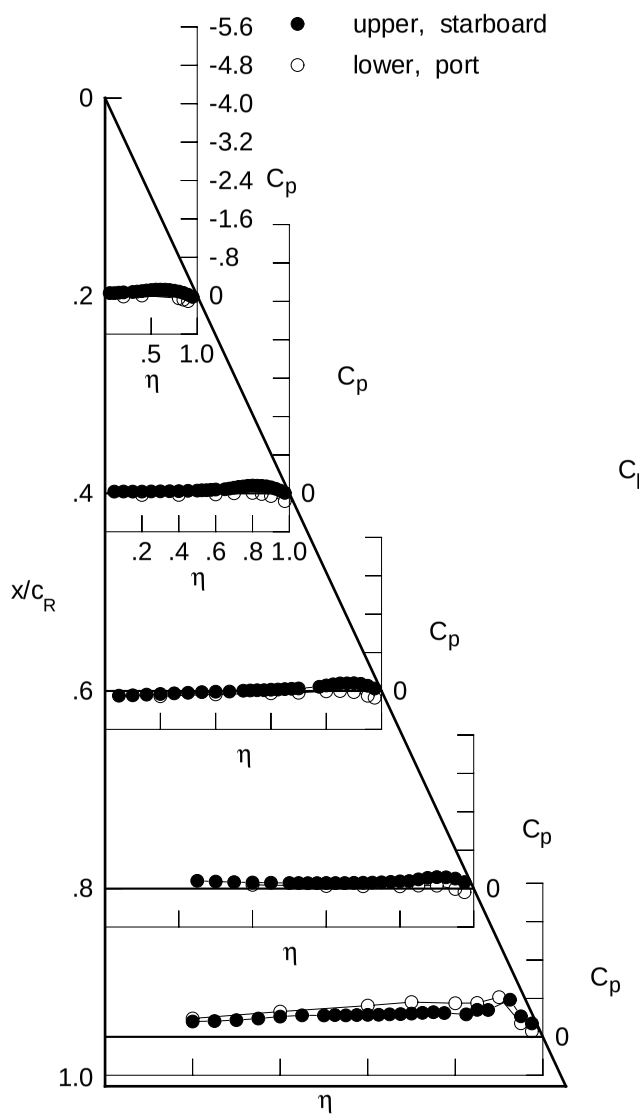
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	0.0198	0.0232	0.0820	0.0778
0.40	0.95	0.0002	0.0023	0.0896	*******
0.60	0.95	-0.0432	-0.0419	0.0590	0.0494
0.80	0.95	-0.1388	-0.1241	-0.0271	-0.0422
0.95	0.95	-0.3887	-0.3968	-0.3379	-0.3158

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.0549	-0.0371	0.0987	*******	*******
0.100	-0.0539	-0.0384	0.0907	*******	*******
0.150	-0.0628	-0.0371	0.0759	*******	*******
0.200	-0.0700	-0.0368	0.0626	*******	-0.3190
0.250	*******	-0.0401	0.0496	-0.1622	-0.3288
0.300	-0.0778	-0.0421	0.0372	-0.1465	-0.3483
0.350	-0.0864	-0.0449	0.0238	-0.1355	-0.3819
0.400	-0.0948	-0.0468	0.0152	-0.1270	-0.4220
0.450	-0.1090	-0.0537	0.0123	-0.1224	-0.4484
0.500	-0.1177	-0.0575	-0.0058	-0.1172	-0.4456
0.525	*******	-0.0636	-0.0102	-0.1168	-0.4536
0.550	-0.1273	-0.0659	-0.0151	-0.1135	-0.4474
0.575	*******	-0.0732	-0.0157	-0.1148	-0.4543
0.600	-0.1269	-0.0798	-0.0266	-0.1173	-0.4584
0.625	*******	*******	-0.0293	-0.1160	-0.4602
0.650	-0.1261	-0.0859	-0.0384	-0.1159	-0.4686
0.675	*******	-0.1002	-0.0453	-0.1209	-0.4736
0.700	-0.1184	-0.1179	-0.0528	-0.1225	-0.4841
0.725	*******	-0.1355	*******	-0.1248	-0.5001
0.750	-0.1046	-0.1443	*******	-0.1315	-0.5137
0.775	*******	-0.1575	-0.0875	-0.1400	-0.4957
0.800	-0.0866	-0.1623	-0.1156	-0.1512	*******
0.825	*******	-0.1591	-0.1387	-0.1578	-0.4683
0.850	-0.0580	-0.1561	-0.1576	-0.1930	-0.5627
0.875	*******	-0.1461	-0.1587	-0.2239	-0.5596
0.900	-0.0204	-0.1259	-0.1617	-0.2395	*******
0.925	*******	-0.0959	-0.1486	-0.2351	-0.7735
0.950	0.0240	-0.0585	-0.1091	-0.2085	-0.4281
0.975	*******	-0.0105	-0.0511	-0.1358	-0.2790

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.0162	0.0330	0.1094	*******	-0.3822
-0.400	-0.0048	0.0323	0.0706	-0.0780	-0.5260
-0.600	*******	0.0214	0.0482	-0.0541	-0.6504
-0.700	*******	-0.0026	0.0370	-0.0493	-0.7236
-0.800	0.0521	-0.0094	0.0070	-0.0481	-0.7002
-0.850	0.0814	0.0127	0.0006	-0.0630	-0.7058
-0.900	0.1122	0.0553	0.0221	-0.0614	-0.8266
-0.950	*******	*******	0.0994	0.0084	-0.2831
-0.975	*******	0.1611	0.1399	0.0740	-0.1169

Surface Pressures



Sharp Radius L.E.

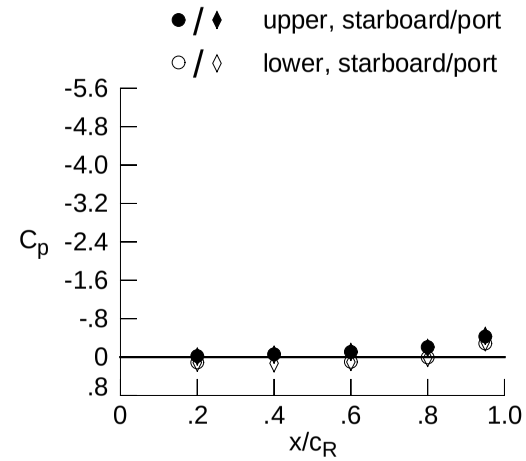
Run No. = 83 , Point No. = 1789

C_N = 0.085, C_m = -0.0217

α = 2.1 °, M_∞ = 0.849

$R_{mac} = 12.0 \times 10^6$

Surface Pressures Near Leading Edge

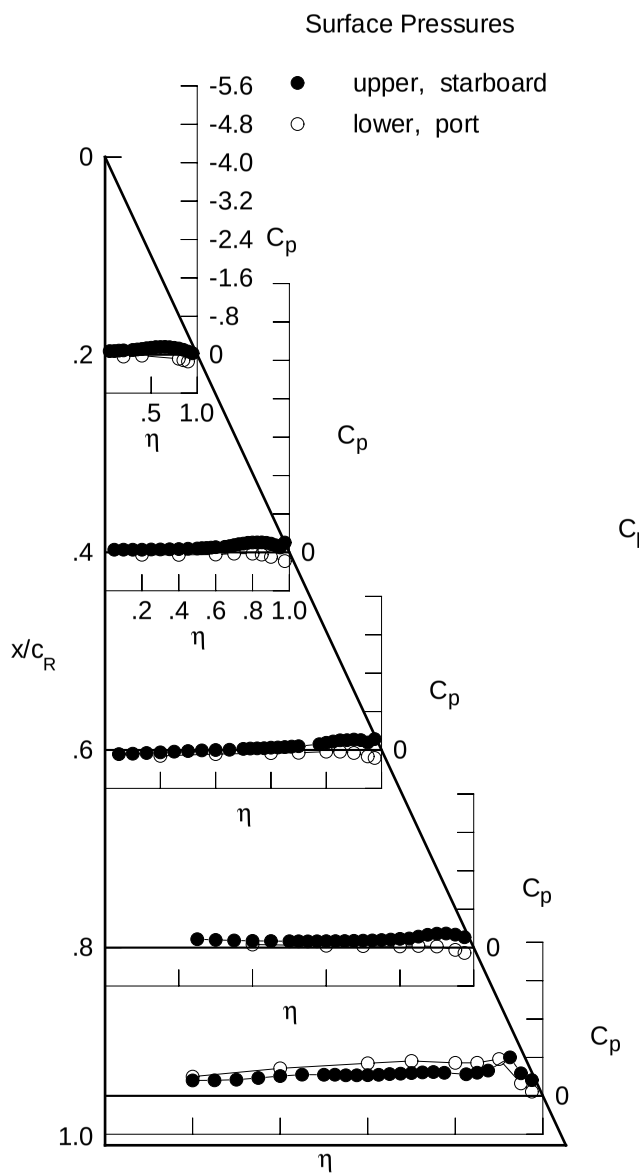


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.0204	-0.0127	0.1165	0.1122
0.40	0.95	-0.0585	-0.0509	0.1298	*******
0.60	0.95	-0.1091	-0.1072	0.1024	0.0994
0.80	0.95	-0.2085	-0.1916	0.0191	0.0084
0.95	0.95	-0.4281	-0.4414	-0.3093	-0.2831

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.0752	-0.0553	0.0864	*******	*******
0.100	-0.0758	-0.0556	0.0777	*******	*******
0.150	-0.0858	-0.0553	0.0629	*******	*******
0.200	-0.0906	-0.0548	0.0493	*******	-0.3205
0.250	*******	-0.0597	0.0351	-0.1754	-0.3235
0.300	-0.0995	-0.0611	0.0222	-0.1601	-0.3360
0.350	-0.1096	-0.0651	0.0089	-0.1491	-0.3723
0.400	-0.1195	-0.0689	0.0004	-0.1404	-0.4122
0.450	-0.1349	-0.0758	-0.0046	-0.1364	-0.4413
0.500	-0.1456	-0.0809	-0.0227	-0.1330	-0.4393
0.525	*******	-0.0879	-0.0294	-0.1318	-0.4401
0.550	-0.1580	-0.0914	-0.0333	-0.1304	-0.4282
0.575	*******	-0.0987	-0.0366	-0.1322	-0.4284
0.600	-0.1601	-0.1077	-0.0481	-0.1344	-0.4300
0.625	*******	*******	-0.0519	-0.1349	-0.4387
0.650	-0.1626	-0.1153	-0.0611	-0.1368	-0.4536
0.675	*******	-0.1293	-0.0702	-0.1419	-0.4613
0.700	-0.1568	-0.1502	-0.0785	-0.1450	-0.4743
0.725	*******	-0.1700	*******	-0.1492	-0.4882
0.750	-0.1441	-0.1822	*******	-0.1575	-0.4957
0.775	*******	-0.1994	-0.1200	-0.1676	-0.4798
0.800	-0.1295	-0.2055	-0.1495	-0.1820	*******
0.825	*******	-0.2071	-0.1768	-0.1906	-0.4494
0.850	-0.1021	-0.2077	-0.2019	-0.2294	-0.4815
0.875	*******	-0.1991	-0.2043	-0.2670	-0.5261
0.900	-0.0663	-0.1816	-0.2170	-0.2907	*******
0.925	*******	-0.1479	-0.2054	-0.2939	-0.8013
0.950	-0.0294	-0.1025	-0.1555	-0.2705	-0.4698
0.975	*******	-0.2050	-0.2276	-0.2158	-0.3274

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.0382	0.0496	0.1228	*******	-0.4004
-0.400	0.0191	0.0520	0.0859	-0.0643	-0.5728
-0.600	*******	0.0452	0.0658	-0.0395	-0.6786
-0.700	*******	0.0262	0.0583	-0.0323	-0.7267
-0.800	0.0843	0.0260	0.0356	-0.0252	-0.6869
-0.850	0.1140	0.0465	0.0356	-0.0346	-0.6882
-0.900	0.1411	0.0945	0.0621	-0.0240	-0.7667
-0.950	*******	*******	0.1334	0.0472	-0.2599
-0.975	*******	0.1824	0.1662	0.1115	-0.0873



Sharp Radius L.E.

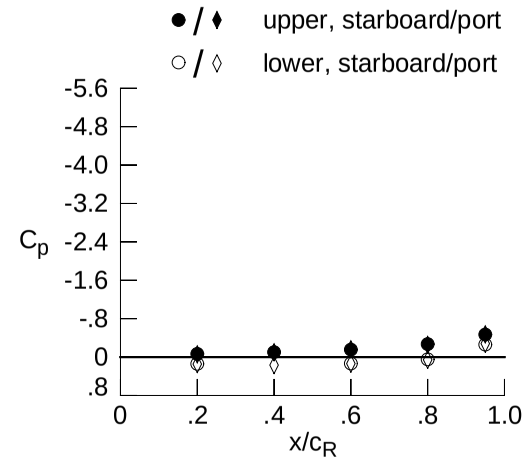
Run No. = 83 , Point No. = 1790

C_N = 0.128, C_m = -0.0292

α = 3.2 °, M_∞ = 0.849

$R_{mac} = 12.0 \times 10^6$

Surface Pressures Near Leading Edge

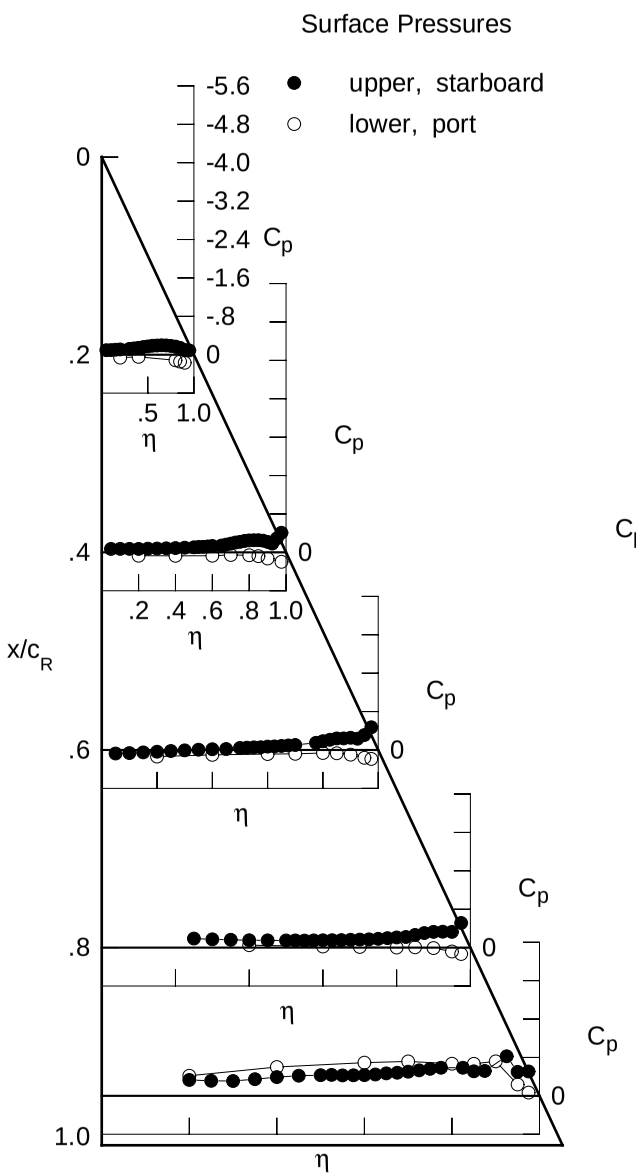


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.0663	-0.0574	0.1462	0.1411
0.40	0.95	-0.1025	-0.1007	0.1674	*******
0.60	0.95	-0.1555	-0.1625	0.1362	0.1334
0.80	0.95	-0.2705	-0.2541	0.0577	0.0472
0.95	0.95	-0.4698	-0.4746	-0.2809	-0.2599

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.0944	-0.0718	0.0735	*******	*******
0.100	-0.0959	-0.0730	0.0648	*******	*******
0.150	-0.1050	-0.0725	0.0503	*******	*******
0.200	-0.1106	-0.0718	0.0359	*******	-0.3315
0.250	*******	-0.0775	0.0218	-0.1886	-0.3130
0.300	-0.1210	-0.0801	0.0083	-0.1727	-0.3088
0.350	-0.1322	-0.0845	-0.0053	-0.1628	-0.3470
0.400	-0.1436	-0.0899	-0.0151	-0.1539	-0.3901
0.450	-0.1600	-0.0976	-0.0200	-0.1508	-0.4193
0.500	-0.1731	-0.1055	-0.0424	-0.1490	-0.4302
0.525	*******	-0.1120	-0.0480	-0.1497	-0.4367
0.550	-0.1875	-0.1159	-0.0542	-0.1468	-0.4252
0.575	*******	-0.1242	-0.0568	-0.1500	-0.4281
0.600	-0.1922	-0.1335	-0.0705	-0.1528	-0.4314
0.625	*******	*******	-0.0741	-0.1542	-0.4447
0.650	-0.1970	-0.1426	-0.0843	-0.1572	-0.4678
0.675	*******	-0.1614	-0.0947	-0.1636	-0.4816
0.700	-0.1933	-0.1818	-0.1043	-0.1670	-0.5032
0.725	*******	-0.2046	*******	-0.1726	-0.5315
0.750	-0.1832	-0.2191	*******	-0.1833	-0.5626
0.775	*******	-0.2385	-0.1498	-0.1974	-0.5854
0.800	-0.1706	-0.2495	-0.1831	-0.2119	*******
0.825	*******	-0.2524	-0.2132	-0.2219	-0.5859
0.850	-0.1428	-0.2537	-0.2411	-0.2637	-0.5113
0.875	*******	-0.2442	-0.2406	-0.3034	-0.5186
0.900	-0.1001	-0.2175	-0.2543	-0.3277	*******
0.925	*******	-0.1832	-0.2343	-0.3320	-0.8236
0.950	-0.0895	-0.2905	-0.3114	-0.3277	-0.5002
0.975	*******	-0.4091	-0.4728	-0.5136	-0.5082

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.0611	0.0696	0.1373	*******	-0.4184
-0.400	0.0442	0.0722	0.1020	-0.0505	-0.6003
-0.600	*******	0.0698	0.0851	-0.0229	-0.6914
-0.700	*******	0.0542	0.0801	-0.0143	-0.7168
-0.800	0.1156	0.0603	0.0633	-0.0017	-0.6687
-0.850	0.1431	0.0788	0.0688	-0.0065	-0.6675
-0.900	0.1672	0.1281	0.0978	0.0097	-0.7188
-0.950	*******	*******	0.1622	0.0805	-0.2365
-0.975	*******	0.1967	0.1866	0.1325	-0.0683



Sharp Radius L.E.

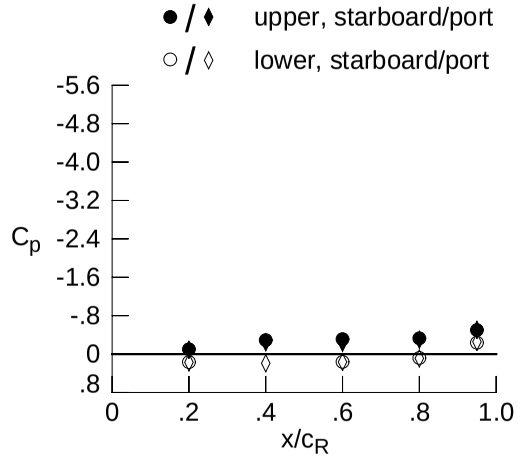
Run No. = 83 , Point No. = 1791

C_N = 0.175, C_m = -0.0382

α = 4.2 °, M_∞ = 0.849

R_{mac} = 11.9×10^6

Surface Pressures Near Leading Edge



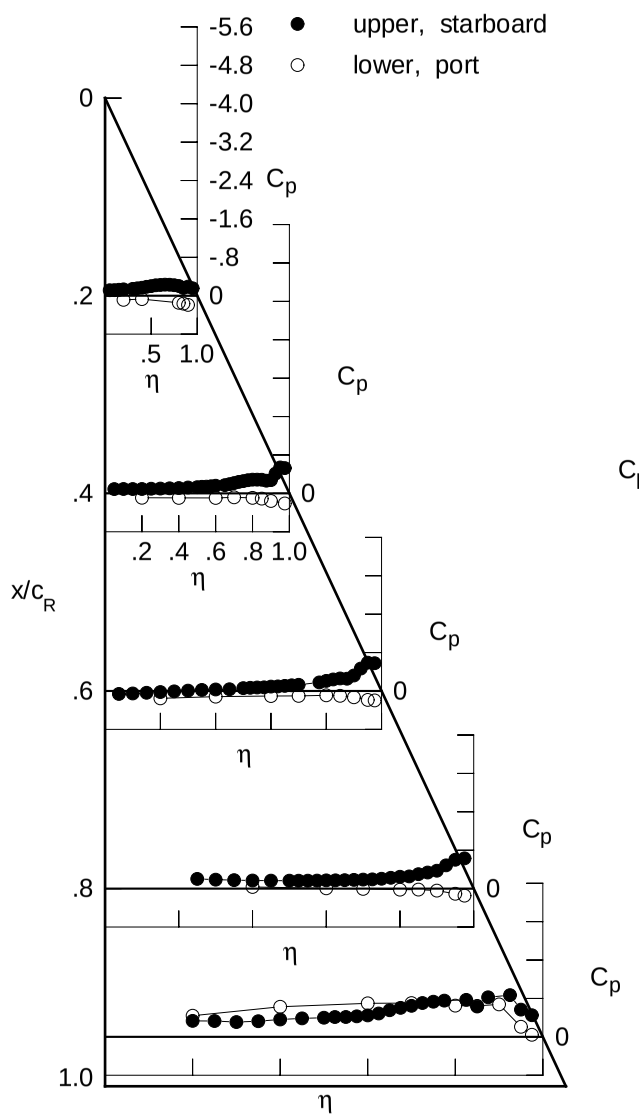
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.1001	-0.0910	0.1717	0.1672
0.40	0.95	-0.2905	-0.2447	0.1924	*******
0.60	0.95	-0.3114	-0.2347	0.1656	0.1622
0.80	0.95	-0.3277	-0.2995	0.0894	0.0805
0.95	0.95	-0.5002	-0.5061	-0.2571	-0.2365

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.1141	-0.0895	0.0618	*******	*******
0.100	-0.1159	-0.0910	0.0518	*******	*******
0.150	-0.1244	-0.0906	0.0377	*******	*******
0.200	-0.1329	-0.0913	0.0223	*******	-0.3324
0.250	*******	-0.0967	0.0084	-0.2027	-0.3296
0.300	-0.1423	-0.0998	-0.0072	-0.1867	-0.3082
0.350	-0.1545	-0.1053	-0.0219	-0.1770	-0.3259
0.400	-0.1665	-0.1109	-0.0312	-0.1689	-0.3615
0.450	-0.1858	-0.1224	-0.0361	-0.1660	-0.3846
0.500	-0.2004	-0.1286	-0.0591	-0.1656	-0.3982
0.525	*******	-0.1364	-0.0665	-0.1646	-0.4131
0.550	-0.2172	-0.1399	-0.0728	-0.1655	-0.4133
0.575	*******	-0.1482	-0.0763	-0.1669	-0.4269
0.600	-0.2241	-0.1588	-0.0916	-0.1722	-0.4467
0.625	*******	*******	-0.0955	-0.1728	-0.4864
0.650	-0.2301	-0.1712	-0.1061	-0.1759	-0.5545
0.675	*******	-0.1919	-0.1182	-0.1825	-0.6038
0.700	-0.2287	-0.2145	-0.1287	-0.1881	-0.6467
0.725	*******	-0.2384	*******	-0.1927	-0.7046
0.750	-0.2195	-0.2550	*******	-0.2055	-0.7321
0.775	*******	-0.2746	-0.1786	-0.2255	-0.7542
0.800	-0.2025	-0.2857	-0.2106	-0.2475	*******
0.825	*******	-0.2857	-0.2396	-0.2545	-0.7706
0.850	-0.1608	-0.2838	-0.2607	-0.3007	-0.6317
0.875	*******	-0.2641	-0.2553	-0.3352	-0.8242
0.900	-0.1896	-0.2761	-0.3227	-0.3730	*******
0.925	*******	-0.4127	-0.4673	-0.4845	-0.8691
0.950	-0.1549	-0.5397	-0.5900	-0.6017	-0.5672
0.975	*******	-0.5261	-0.5787	-0.6304	-0.4501

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.0855	0.0909	0.1536	*******	-0.4400
-0.400	0.0708	0.0941	0.1182	-0.0342	-0.6266
-0.600	*******	0.0951	0.1053	-0.0067	-0.6985
-0.700	*******	0.0828	0.1025	0.0057	-0.7033
-0.800	0.1470	0.0937	0.0907	0.0220	-0.6500
-0.850	0.1648	0.1098	0.1005	0.0202	-0.6450
-0.900	0.1913	0.1588	0.1310	0.0413	-0.6761
-0.950	*******	*******	0.1860	0.1075	-0.2098
-0.975	*******	0.2107	0.1966	0.1461	-0.0433

Surface Pressures



Sharp Radius L.E.

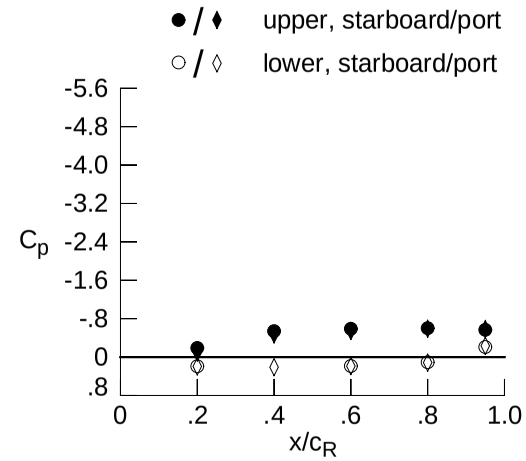
Run No. = 83 , Point No. = 1792

C_N = 0.223, C_m = -0.0468

α = 5.3 °, M_∞ = 0.849

$R_{mac} = 11.9 \times 10^6$

Surface Pressures Near Leading Edge



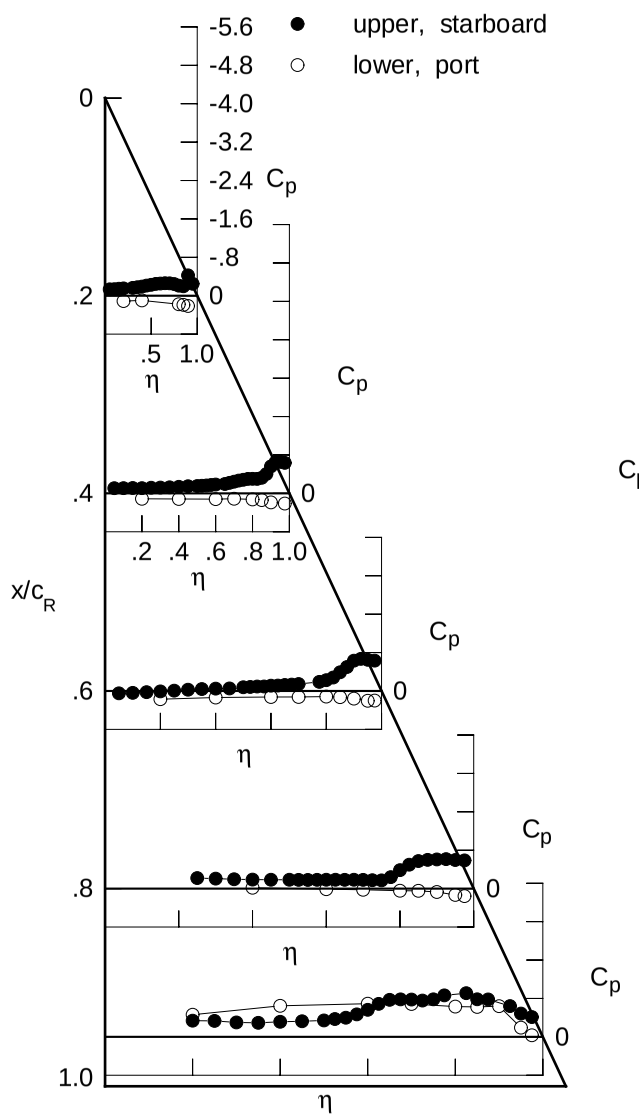
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.1896	-0.0959	0.1942	0.1913
0.40	0.95	-0.5397	-0.4722	0.2108	*******
0.60	0.95	-0.5900	-0.5420	0.1878	0.1860
0.80	0.95	-0.6017	-0.5904	0.1149	0.1075
0.95	0.95	-0.5672	-0.5837	-0.2340	-0.2098

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.1333	-0.1083	0.0488	*******	*******
0.100	-0.1358	-0.1091	0.0393	*******	*******
0.150	-0.1454	-0.1119	0.0246	*******	*******
0.200	-0.1531	-0.1088	0.0088	*******	-0.3369
0.250	*******	-0.1175	-0.0068	-0.2200	-0.3323
0.300	-0.1634	-0.1208	-0.0264	-0.2076	-0.3001
0.350	-0.1769	-0.1264	-0.0402	-0.1954	-0.2916
0.400	-0.1902	-0.1368	-0.0486	-0.1882	-0.3138
0.450	-0.2109	-0.1486	-0.0529	-0.1849	-0.3248
0.500	-0.2273	-0.1525	-0.0773	-0.1846	-0.3413
0.525	*******	-0.1586	-0.0842	-0.1820	-0.3714
0.550	-0.2466	-0.1650	-0.0925	-0.1808	-0.3987
0.575	*******	-0.1747	-0.0934	-0.1829	-0.4678
0.600	-0.2538	-0.1841	-0.1105	-0.1845	-0.5634
0.625	*******	*******	-0.1130	-0.1849	-0.6870
0.650	-0.2608	-0.1949	-0.1249	-0.1834	-0.7708
0.675	*******	-0.2193	-0.1330	-0.1850	-0.7807
0.700	-0.2584	-0.2428	-0.1450	-0.1823	-0.7766
0.725	*******	-0.2663	*******	-0.1749	-0.7557
0.750	-0.2432	-0.2834	*******	-0.1722	-0.7816
0.775	*******	-0.3014	-0.1893	-0.2390	-0.8636
0.800	-0.2098	-0.3034	-0.2250	-0.3850	*******
0.825	*******	-0.3018	-0.2801	-0.4984	-0.9096
0.850	-0.1972	-0.3247	-0.3899	-0.5743	-0.7826
0.875	*******	-0.4034	-0.4992	-0.5989	-0.7795
0.900	-0.4249	-0.5621	-0.6315	-0.6078	*******
0.925	*******	-0.6519	-0.6691	-0.6148	-0.6409
0.950	-0.2492	-0.6559	-0.6499	-0.5957	-0.4847
0.975	*******	-0.6358	-0.6321	-0.5881	-0.4124

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.1115	0.1130	0.1715	*******	-0.4607
-0.400	0.0976	0.1171	0.1364	-0.0181	-0.6464
-0.600	*******	0.1201	0.1256	0.0120	-0.6906
-0.700	*******	0.1118	0.1246	0.0238	-0.6850
-0.800	0.1772	0.1267	0.1170	0.0441	-0.6305
-0.850	0.1902	0.1403	0.1292	0.0459	-0.6232
-0.900	0.2133	0.1877	0.1593	0.0703	-0.6394
-0.950	*******	*******	0.2036	0.1313	-0.1921
-0.975	*******	0.2122	0.2002	0.1563	-0.0330

Surface Pressures



Sharp Radius L.E.

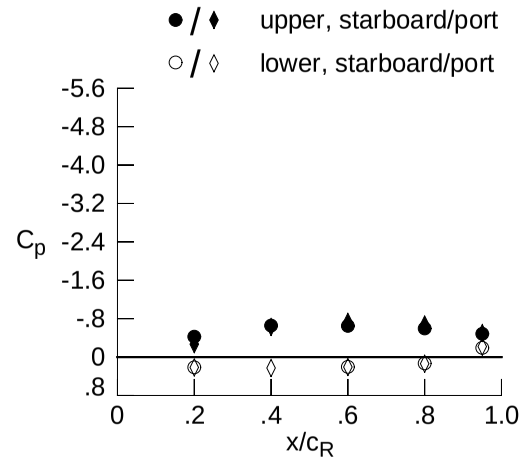
Run No. = 83 , Point No. = 1793

C_N = 0.283, C_m = -0.0621

α = 6.3 °, M_∞ = 0.848

$R_{mac} = 11.9 \times 10^6$

Surface Pressures Near Leading Edge



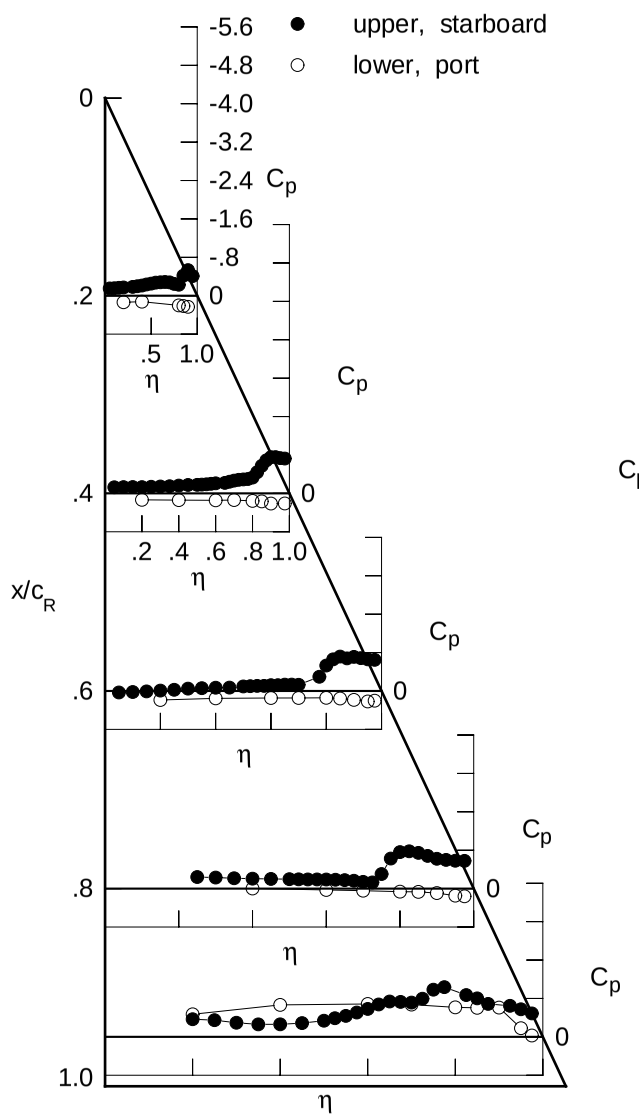
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.4249	-0.2691	0.2150	0.2133
0.40	0.95	-0.6559	-0.6264	0.2279	*******
0.60	0.95	-0.6499	-0.7341	0.2071	0.2036
0.80	0.95	-0.5957	-0.6802	0.1388	0.1313
0.95	0.95	-0.4847	-0.5011	-0.2190	-0.1921

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.1517	-0.1271	0.0313	*******	*******
0.100	-0.1558	-0.1303	0.0213	*******	*******
0.150	-0.1652	-0.1317	0.0089	*******	*******
0.200	-0.1723	-0.1305	-0.0082	*******	-0.3674
0.250	*******	-0.1379	-0.0244	-0.2415	-0.3471
0.300	-0.1843	-0.1432	-0.0487	-0.2300	-0.2934
0.350	-0.1980	-0.1491	-0.0586	-0.2162	-0.2603
0.400	-0.2123	-0.1627	-0.0681	-0.2071	-0.2612
0.450	-0.2343	-0.1753	-0.0705	-0.2018	-0.2862
0.500	-0.2519	-0.1777	-0.0941	-0.1971	-0.3362
0.525	*******	-0.1826	-0.1003	-0.1940	-0.3884
0.550	-0.2727	-0.1884	-0.1065	-0.1910	-0.4371
0.575	*******	-0.1992	-0.1060	-0.1912	-0.5061
0.600	-0.2802	-0.2097	-0.1211	-0.1898	-0.5817
0.625	*******	*******	-0.1208	-0.1847	-0.6742
0.650	-0.2861	-0.2184	-0.1320	-0.1771	-0.7361
0.675	*******	-0.2422	-0.1329	-0.1644	-0.7278
0.700	-0.2784	-0.2656	-0.1285	-0.1409	-0.7135
0.725	*******	-0.2821	*******	-0.1287	-0.7940
0.750	-0.2466	-0.2903	*******	-0.3038	-0.9825
0.775	*******	-0.2995	-0.2960	-0.6268	-1.0353
0.800	-0.2290	-0.3290	-0.5296	-0.7610	*******
0.825	*******	-0.4404	-0.6593	-0.7777	-0.8702
0.850	-0.4185	-0.5742	-0.7169	-0.7448	-0.8020
0.875	*******	-0.6878	-0.6793	-0.6814	-0.6863
0.900	-0.5339	-0.7546	-0.7107	-0.6215	*******
0.925	*******	-0.7556	-0.6842	-0.5983	-0.6461
0.950	-0.4093	-0.7346	-0.6589	-0.5808	-0.5741
0.975	*******	-0.7259	-0.6489	-0.5788	-0.4883

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.1361	0.1348	0.1879	*******	-0.4699
-0.400	0.1240	0.1407	0.1540	-0.0024	-0.6658
-0.600	*******	0.1450	0.1464	0.0278	-0.6845
-0.700	*******	0.1395	0.1459	0.0431	-0.6723
-0.800	0.2017	0.1570	0.1421	0.0635	-0.6141
-0.850	0.2144	0.1673	0.1566	0.0676	-0.6045
-0.900	0.2314	0.2124	0.1853	0.0930	-0.6098
-0.950	*******	*******	0.2187	0.1468	-0.1797
-0.975	*******	0.2108	0.2028	0.1603	-0.0280

Surface Pressures



Sharp Radius L.E.

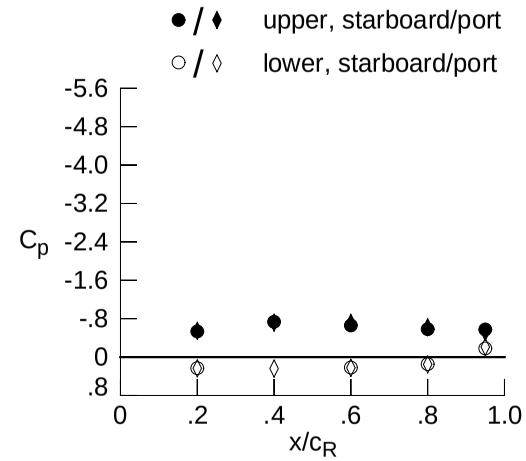
Run No. = 83 , Point No. = 1794

C_N = 0.342, C_m = -0.0750

α = 7.4 °, M_∞ = 0.849

$R_{mac} = 11.9 \times 10^6$

Surface Pressures Near Leading Edge



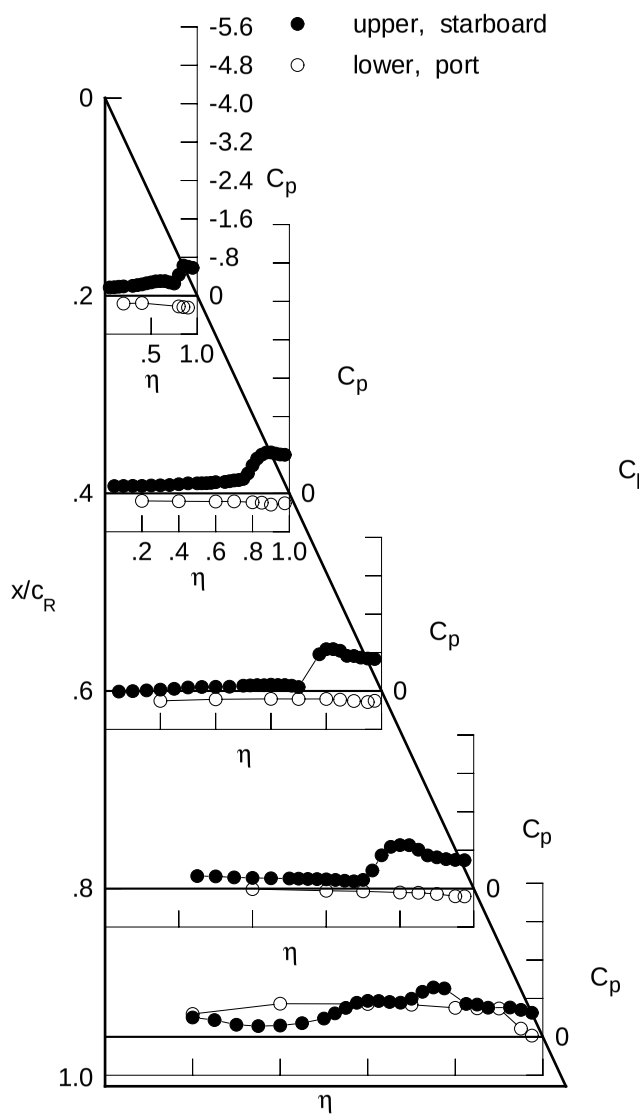
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.5339	-0.5481	0.2332	0.2314
0.40	0.95	-0.7346	-0.7183	0.2382	*******
0.60	0.95	-0.6589	-0.7155	0.2225	0.2187
0.80	0.95	-0.5808	-0.6227	0.1528	0.1468
0.95	0.95	-0.5741	-0.5228	-0.2116	-0.1797

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.1723	-0.1520	0.0126	*******	*******
0.100	-0.1769	-0.1537	0.0034	*******	*******
0.150	-0.1869	-0.1564	-0.0122	*******	*******
0.200	-0.1935	-0.1555	-0.0278	*******	-0.4032
0.250	*******	-0.1637	-0.0445	-0.2620	-0.3495
0.300	-0.2053	-0.1674	-0.0727	-0.2547	-0.2518
0.350	-0.2204	-0.1738	-0.0829	-0.2334	-0.2238
0.400	-0.2358	-0.1901	-0.0873	-0.2234	-0.2355
0.450	-0.2589	-0.2085	-0.0891	-0.2151	-0.2851
0.500	-0.2775	-0.2089	-0.1107	-0.2112	-0.3806
0.525	*******	-0.2107	-0.1159	-0.2072	-0.4890
0.550	-0.2989	-0.2117	-0.1220	-0.2014	-0.6028
0.575	*******	-0.2192	-0.1201	-0.1986	-0.7098
0.600	-0.3039	-0.2326	-0.1309	-0.1928	-0.7495
0.625	*******	*******	-0.1243	-0.1804	-0.7464
0.650	-0.3043	-0.2377	-0.1233	-0.1643	-0.7261
0.675	*******	-0.2528	-0.1096	-0.1524	-0.7109
0.700	-0.2775	-0.2697	-0.0818	-0.1818	-0.7936
0.725	*******	-0.2778	*******	-0.3780	-0.9387
0.750	-0.2540	-0.3005	*******	-0.6938	-1.0289
0.775	*******	-0.4149	-0.7639	-0.8708	-1.0088
0.800	-0.4351	-0.5826	-0.8704	-0.9060	*******
0.825	*******	-0.7247	-0.8719	-0.9045	-0.6856
0.850	-0.6286	-0.8053	-0.8377	-0.8106	-0.6717
0.875	*******	-0.8505	-0.7316	-0.6908	-0.6070
0.900	-0.6040	-0.8525	-0.7288	-0.6518	*******
0.925	*******	-0.8276	-0.6955	-0.6141	-0.6110
0.950	-0.5809	-0.8096	-0.6753	-0.5974	-0.5616
0.975	*******	-0.8039	-0.6659	-0.5919	-0.5013

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.1629	0.1569	0.2062	*******	-0.4760
-0.400	0.1530	0.1643	0.1734	0.0100	-0.6902
-0.600	*******	0.1699	0.1649	0.0444	-0.6850
-0.700	*******	0.1672	0.1671	0.0565	-0.6695
-0.800	0.2229	0.1858	0.1660	0.0818	-0.6041
-0.850	0.2369	0.1940	0.1818	0.0863	-0.5942
-0.900	0.2475	0.2343	0.2085	0.1123	-0.5903
-0.950	*******	*******	0.2313	0.1589	-0.1713
-0.975	*******	0.2063	0.2047	0.1615	-0.0257

Surface Pressures



Sharp Radius L.E.

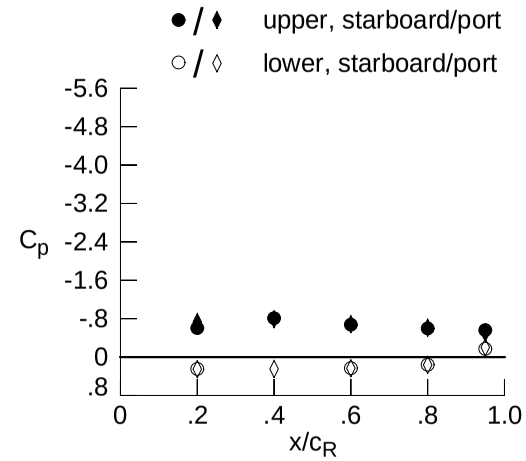
Run No. = 83 , Point No. = 1795

C_N = 0.396, C_m = -0.0824

α = 8.4 °, M_∞ = 0.849

$R_{mac} = 11.9 \times 10^6$

Surface Pressures Near Leading Edge



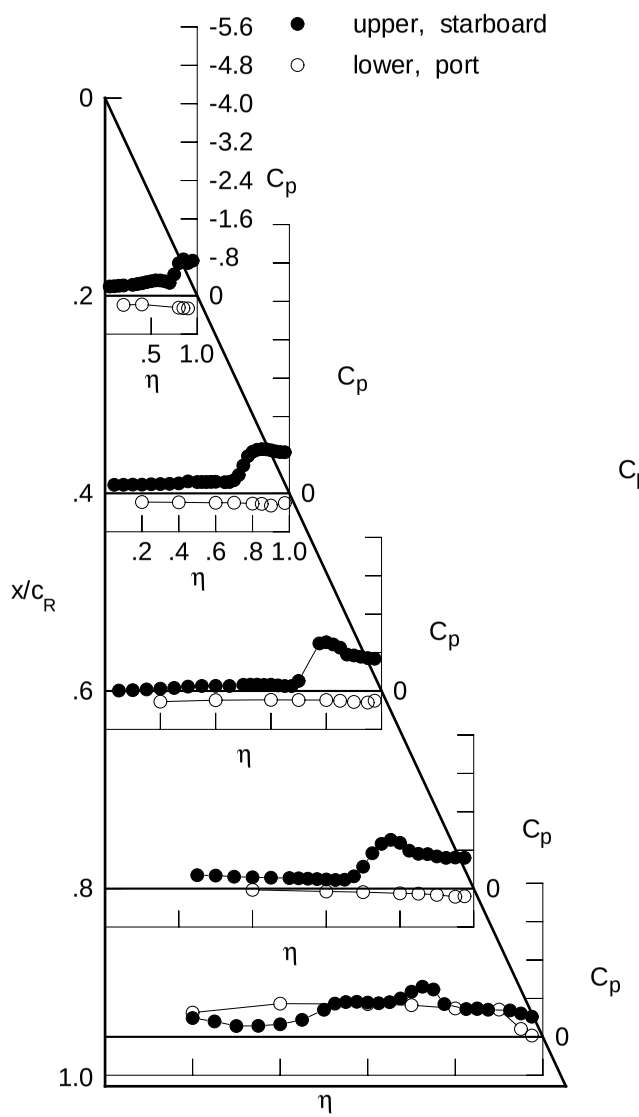
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.6040	-0.7308	0.2507	0.2475
0.40	0.95	-0.8096	-0.7890	0.2482	*******
0.60	0.95	-0.6753	-0.6866	0.2327	0.2313
0.80	0.95	-0.5974	-0.6134	0.1639	0.1589
0.95	0.95	-0.5616	-0.5034	-0.2032	-0.1713

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.1925	-0.1774	-0.0090	*******	*******
0.100	-0.1975	-0.1790	-0.0171	*******	*******
0.150	-0.2082	-0.1824	-0.0320	*******	*******
0.200	-0.2140	-0.1819	-0.0481	*******	-0.3918
0.250	*******	-0.1895	-0.0633	-0.2801	-0.3209
0.300	-0.2275	-0.1933	-0.0908	-0.2711	-0.2258
0.350	-0.2433	-0.1980	-0.1047	-0.2482	-0.2289
0.400	-0.2589	-0.2082	-0.1067	-0.2356	-0.2619
0.450	-0.2825	-0.2498	-0.1042	-0.2271	-0.3547
0.500	-0.3018	-0.2356	-0.1279	-0.2201	-0.5638
0.525	*******	-0.2379	-0.1315	-0.2142	-0.6920
0.550	-0.3204	-0.2366	-0.1329	-0.2062	-0.7251
0.575	*******	-0.2398	-0.1259	-0.1988	-0.7305
0.600	-0.3174	-0.2425	-0.1304	-0.1907	-0.7133
0.625	*******	*******	-0.1159	-0.1798	-0.6998
0.650	-0.3000	-0.2330	-0.1031	-0.1855	-0.7223
0.675	*******	-0.2378	-0.1035	-0.2564	-0.7993
0.700	-0.2677	-0.2753	-0.2094	-0.4566	-0.9398
0.725	*******	-0.3827	*******	-0.7372	-1.0438
0.750	-0.4439	-0.5812	*******	-0.9327	-0.9866
0.775	*******	-0.7741	-0.9903	-1.0157	-0.6828
0.800	-0.6777	-0.8660	-1.0153	-0.9534	*******
0.825	*******	-0.9077	-0.9697	-0.7901	-0.5790
0.850	-0.7573	-0.9213	-0.9027	-0.7246	-0.5920
0.875	*******	-0.9178	-0.7583	-0.7183	-0.5650
0.900	-0.6813	-0.8978	-0.7403	-0.6705	*******
0.925	*******	-0.8755	-0.7136	-0.6407	-0.5500
0.950	-0.7300	-0.8610	-0.6849	-0.6484	-0.4864
0.975	*******	-0.8571	-0.6715	-0.6412	-0.4195

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.1910	0.1808	0.2225	*******	-0.5045
-0.400	0.1817	0.1871	0.1919	0.0260	-0.6916
-0.600	*******	0.1959	0.1845	0.0596	-0.6823
-0.700	*******	0.1941	0.1884	0.0736	-0.6598
-0.800	0.2491	0.2134	0.1886	0.0986	-0.5921
-0.850	0.2588	0.2186	0.2045	0.1046	-0.5798
-0.900	0.2642	0.2546	0.2287	0.1302	-0.5679
-0.950	*******	*******	0.2410	0.1690	-0.1640
-0.975	*******	0.2012	0.2026	0.1593	-0.0269

Surface Pressures



Sharp Radius L.E.

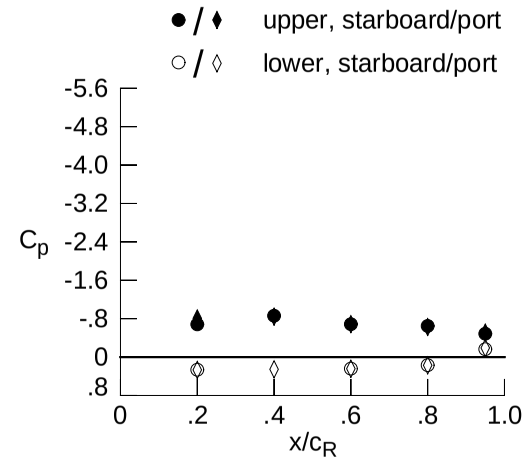
Run No. = 83 , Point No. = 1796

C_N = 0.451, C_m = -0.0901

α = 9.5 °, M_∞ = 0.848

$R_{mac} = 11.9 \times 10^6$

Surface Pressures Near Leading Edge

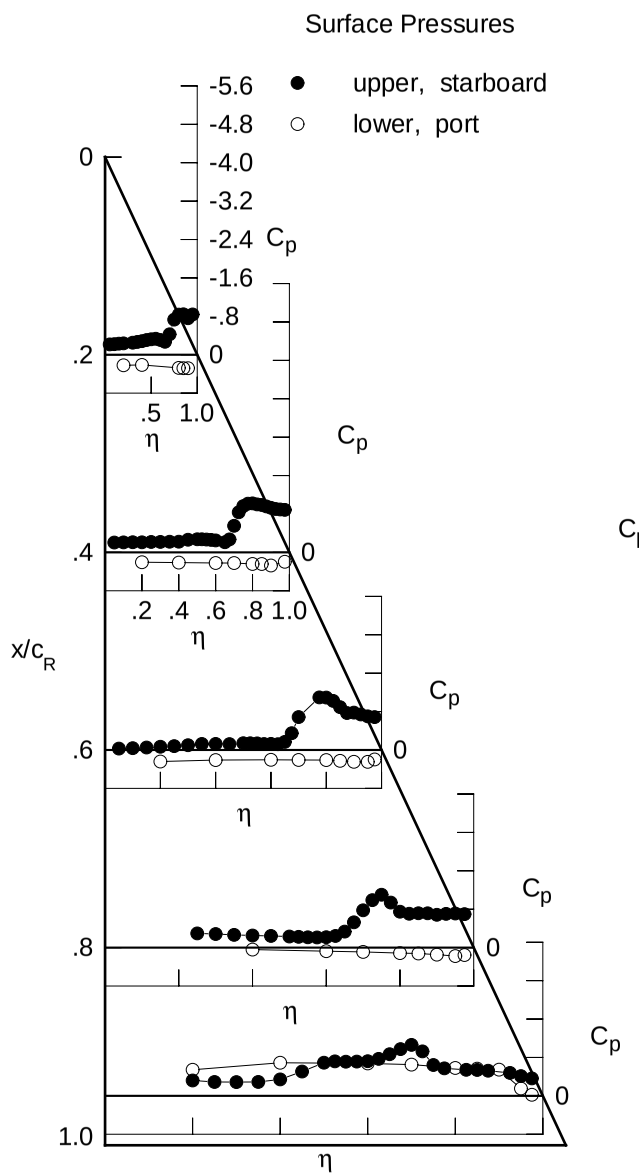


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.6813	-0.8055	0.2670	0.2642
0.40	0.95	-0.8610	-0.8433	0.2555	*******
0.60	0.95	-0.6849	-0.6859	0.2424	0.2410
0.80	0.95	-0.6484	-0.6260	0.1724	0.1690
0.95	0.95	-0.4864	-0.5115	-0.1908	-0.1640

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.2154	-0.2044	-0.0288	*******	*******
0.100	-0.2201	-0.2079	-0.0374	*******	*******
0.150	-0.2305	-0.2111	-0.0514	*******	*******
0.200	-0.2372	-0.2095	-0.0674	*******	-0.3203
0.250	*******	-0.2165	-0.0801	-0.2962	-0.2891
0.300	-0.2503	-0.2175	-0.0990	-0.2836	-0.2866
0.350	-0.2666	-0.2216	-0.1255	-0.2658	-0.2896
0.400	-0.2824	-0.2227	-0.1266	-0.2522	-0.3422
0.450	-0.3058	-0.2633	-0.1222	-0.2428	-0.5062
0.500	-0.3213	-0.2731	-0.1407	-0.2313	-0.6905
0.525	*******	-0.2729	-0.1398	-0.2245	-0.7186
0.550	-0.3328	-0.2676	-0.1373	-0.2150	-0.7112
0.575	*******	-0.2603	-0.1241	-0.2124	-0.7137
0.600	-0.3075	-0.2490	-0.1271	-0.2168	-0.7218
0.625	*******	*******	-0.1197	-0.2434	-0.7705
0.650	-0.2698	-0.2114	-0.1677	-0.3333	-0.8670
0.675	*******	-0.2705	-0.3495	-0.5274	-0.9737
0.700	-0.4258	-0.5540	-0.6857	-0.7772	-1.0617
0.725	*******	-0.8355	*******	-0.9888	-0.9263
0.750	-0.7315	-0.9643	*******	-1.1016	-0.6424
0.775	*******	-1.0144	-1.0956	-0.9383	-0.5726
0.800	-0.8359	-1.0207	-1.0924	-0.7482	*******
0.825	*******	-0.9988	-1.0225	-0.7057	-0.5424
0.850	-0.8428	-0.9871	-0.8921	-0.7159	-0.5389
0.875	*******	-0.9572	-0.7699	-0.7154	-0.5229
0.900	-0.7597	-0.9283	-0.7783	-0.6837	*******
0.925	*******	-0.9041	-0.7401	-0.7028	-0.4776
0.950	-0.8390	-0.8934	-0.7010	-0.7104	-0.4110
0.975	*******	-0.8856	-0.6848	-0.6972	-0.3630

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.2201	0.2054	0.2407	*******	-0.5429
-0.400	0.2125	0.2127	0.2101	0.0407	-0.6892
-0.600	*******	0.2213	0.2046	0.0744	-0.6754
-0.700	*******	0.2223	0.2083	0.0897	-0.6507
-0.800	0.2746	0.2412	0.2104	0.1142	-0.5806
-0.850	0.2809	0.2426	0.2261	0.1222	-0.5664
-0.900	0.2806	0.2735	0.2463	0.1464	-0.5456
-0.950	*******	*******	0.2475	0.1756	-0.1530
-0.975	*******	0.1961	0.1976	0.1541	-0.0226



Sharp Radius L.E.

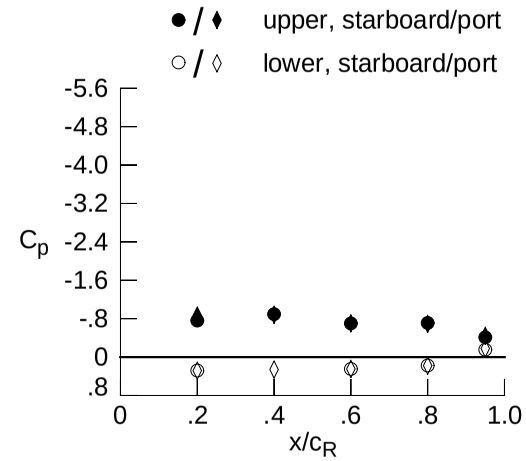
Run No. = 83 , Point No. = 1797

C_N = 0.504, C_m = -0.0963

α = 10.5 °, M_∞ = 0.848

$R_{mac} = 11.8 \times 10^6$

Surface Pressures Near Leading Edge



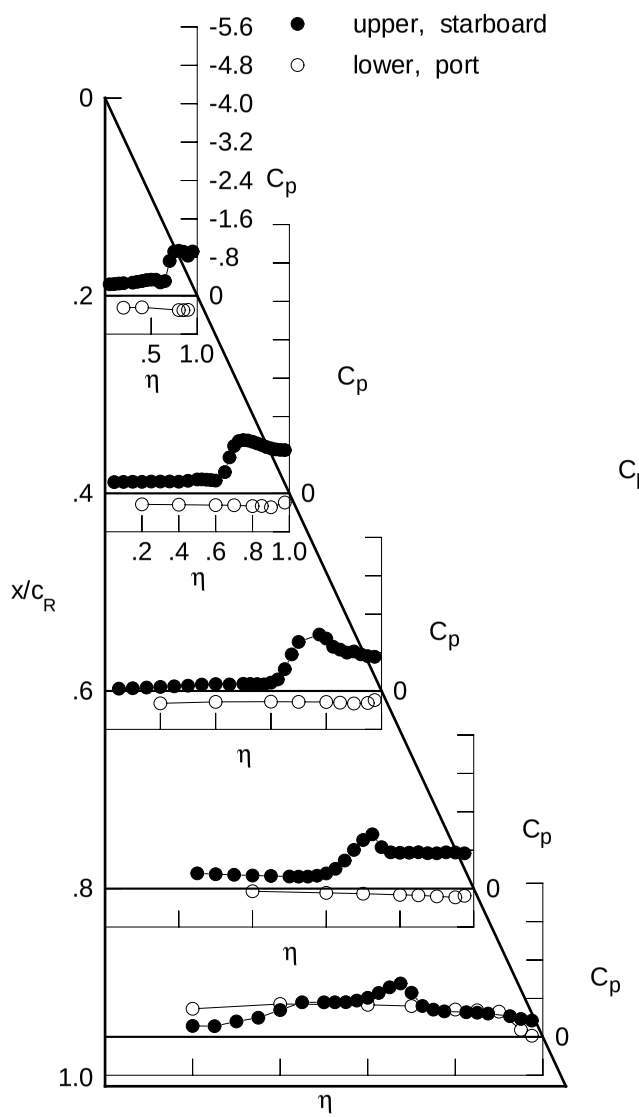
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.7597	-0.8666	0.2821	0.2806
0.40	0.95	-0.8934	-0.8819	0.2601	*******
0.60	0.95	-0.7010	-0.7038	0.2481	0.2475
0.80	0.95	-0.7104	-0.6905	0.1795	0.1756
0.95	0.95	-0.4110	-0.4419	-0.1785	-0.1530

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.2384	-0.2347	-0.0481	*******	*******
0.100	-0.2433	-0.2384	-0.0569	*******	*******
0.150	-0.2534	-0.2414	-0.0710	*******	*******
0.200	-0.2610	-0.2403	-0.0846	*******	-0.2276
0.250	*******	-0.2461	-0.0968	-0.3185	-0.2224
0.300	-0.2723	-0.2461	-0.1101	-0.3004	-0.3204
0.350	-0.2893	-0.2479	-0.1338	-0.2877	-0.3980
0.400	-0.3048	-0.2434	-0.1442	-0.2730	-0.5579
0.450	-0.3253	-0.2625	-0.1357	-0.2642	-0.7196
0.500	-0.3347	-0.2897	-0.1495	-0.2517	-0.7196
0.525	*******	-0.2913	-0.1460	-0.2495	-0.7199
0.550	-0.3335	-0.2847	-0.1441	-0.2501	-0.7224
0.575	*******	-0.2767	-0.1365	-0.2689	-0.7554
0.600	-0.2766	-0.2661	-0.1734	-0.3164	-0.8137
0.625	*******	*******	-0.2408	-0.4135	-0.9148
0.650	-0.3057	-0.4429	-0.4549	-0.5851	-1.0316
0.675	*******	-0.7507	-0.7619	-0.8066	-1.1120
0.700	-0.7243	-0.9872	-1.0216	-1.0120	-0.9189
0.725	*******	-1.0892	*******	-1.1310	-0.6421
0.750	-0.9193	-1.1107	*******	-0.8630	-0.5671
0.775	*******	-1.1012	-1.1758	-0.7559	-0.5304
0.800	-0.9370	-1.0752	-1.0920	-0.7461	*******
0.825	*******	-1.0406	-0.9207	-0.7481	-0.5129
0.850	-0.9159	-1.0077	-0.8612	-0.7587	-0.5036
0.875	*******	-0.9666	-0.7982	-0.7376	-0.4838
0.900	-0.8335	-0.9375	-0.8234	-0.7358	*******
0.925	*******	-0.9171	-0.7629	-0.7564	-0.4305
0.950	-0.9207	-0.9063	-0.7257	-0.7522	-0.3728
0.975	*******	-0.9020	-0.7117	-0.7351	-0.3395

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.2499	0.2291	0.2574	*******	-0.5844
-0.400	0.2422	0.2362	0.2276	0.0555	-0.6841
-0.600	*******	0.2451	0.2228	0.0888	-0.6669
-0.700	*******	0.2470	0.2269	0.1055	-0.6416
-0.800	0.2996	0.2657	0.2294	0.1299	-0.5689
-0.850	0.3013	0.2631	0.2441	0.1388	-0.5527
-0.900	0.2942	0.2892	0.2605	0.1619	-0.5252
-0.950	*******	*******	0.2502	0.1817	-0.1454
-0.975	*******	0.1907	0.1894	0.1496	-0.0233

Surface Pressures



Sharp Radius L.E.

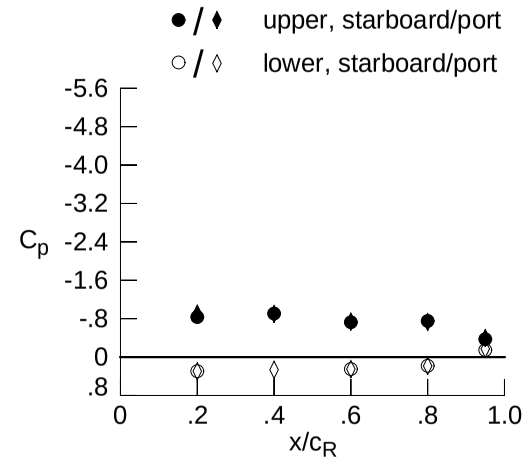
Run No. = 83 , Point No. = 1798

C_N = 0.557, C_m = -0.1038

α = 11.6 °, M_∞ = 0.848

$R_{mac} = 11.8 \times 10^6$

Surface Pressures Near Leading Edge



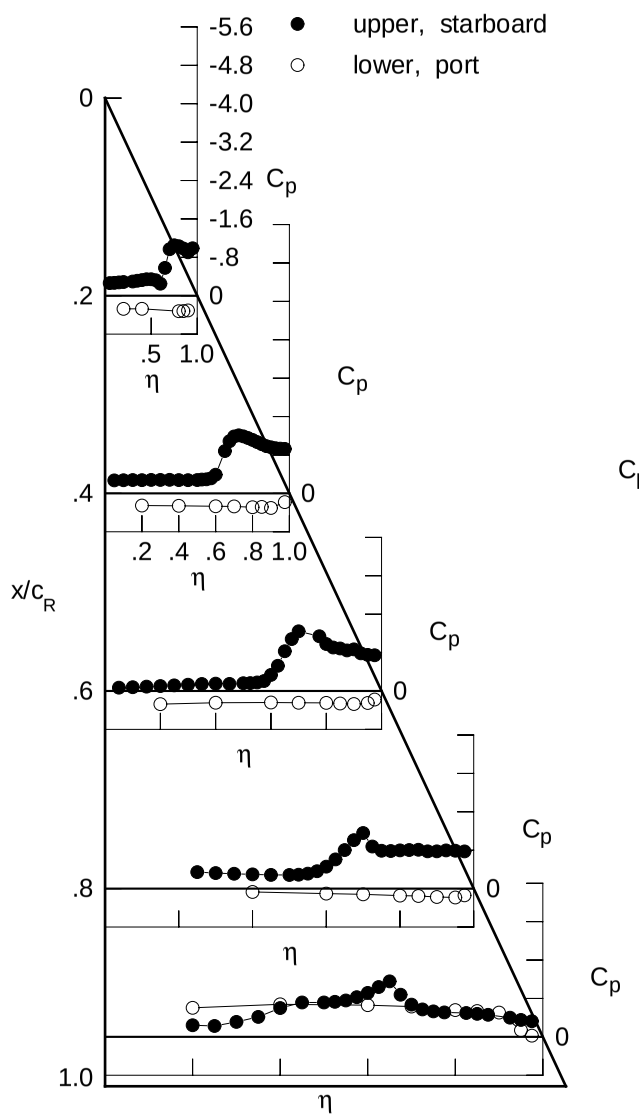
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.8335	-0.9066	0.2950	0.2942
0.40	0.95	-0.9063	-0.8992	0.2638	*******
0.60	0.95	-0.7257	-0.7401	0.2510	0.2502
0.80	0.95	-0.7522	-0.7298	0.1851	0.1817
0.95	0.95	-0.3728	-0.3970	-0.1700	-0.1454

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.2632	-0.2707	-0.0688	*******	*******
0.100	-0.2679	-0.2739	-0.0785	*******	*******
0.150	-0.2777	-0.2774	-0.0902	*******	*******
0.200	-0.2856	-0.2751	-0.1026	*******	-0.2417
0.250	*******	-0.2801	-0.1171	-0.3440	-0.2264
0.300	-0.2960	-0.2803	-0.1302	-0.3240	-0.3110
0.350	-0.3122	-0.2825	-0.1454	-0.3092	-0.4152
0.400	-0.3257	-0.2767	-0.1527	-0.2965	-0.6000
0.450	-0.3432	-0.2749	-0.1474	-0.2857	-0.7158
0.500	-0.3434	-0.2780	-0.1614	-0.2840	-0.7163
0.525	*******	-0.2881	-0.1639	-0.2893	-0.7300
0.550	-0.3226	-0.2929	-0.1775	-0.3121	-0.7575
0.575	*******	-0.3135	-0.2072	-0.3623	-0.8261
0.600	-0.2504	-0.3887	-0.3340	-0.4576	-0.9149
0.625	*******	*******	-0.5246	-0.6086	-1.0378
0.650	-0.5797	-0.8820	-0.8276	-0.8030	-1.1559
0.675	*******	-1.0867	-1.0819	-1.0093	-0.8776
0.700	-0.9690	-1.1857	-1.2432	-1.1582	-0.6709
0.725	*******	-1.2093	*******	-0.8768	-0.5708
0.750	-1.0514	-1.1880	*******	-0.7885	-0.5300
0.775	*******	-1.1538	-1.1397	-0.7835	-0.5091
0.800	-1.0313	-1.1136	-0.9782	-0.7966	*******
0.825	*******	-1.0687	-0.9059	-0.8041	-0.4971
0.850	-0.9838	-1.0250	-0.8857	-0.8096	-0.4794
0.875	*******	-0.9842	-0.8452	-0.7770	-0.4590
0.900	-0.9044	-0.9599	-0.8675	-0.7768	*******
0.925	*******	-0.9407	-0.7841	-0.7962	-0.3990
0.950	-0.9886	-0.9321	-0.7523	-0.7900	-0.3518
0.975	*******	-0.9263	-0.7438	-0.7749	-0.3254

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.2738	0.2533	0.2742	*******	-0.6049
-0.400	0.2725	0.2595	0.2451	0.0695	-0.6778
-0.600	*******	0.2689	0.2404	0.1039	-0.6598
-0.700	*******	0.2723	0.2454	0.1192	-0.6308
-0.800	0.3221	0.2892	0.2478	0.1457	-0.5574
-0.850	0.3198	0.2827	0.2610	0.1535	-0.5379
-0.900	0.3065	0.3039	0.2724	0.1744	-0.5053
-0.950	*******	*******	0.2505	0.1845	-0.1379
-0.975	*******	0.1823	0.1784	0.1399	-0.0245

Surface Pressures



Sharp Radius L.E.

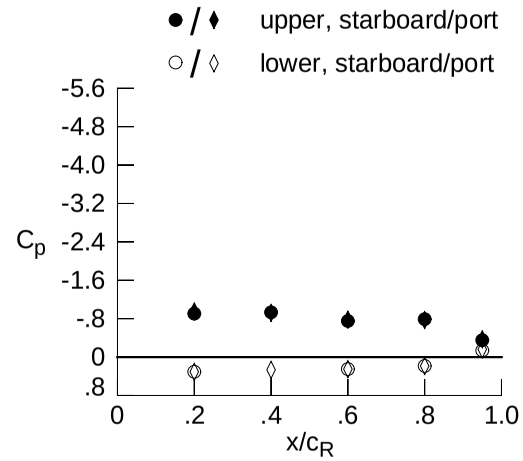
Run No. = 83 , Point No. = 1799

C_N = 0.613, C_m = -0.1107

α = 12.6 °, M_∞ = 0.849

$R_{mac} = 11.8 \times 10^6$

Surface Pressures Near Leading Edge



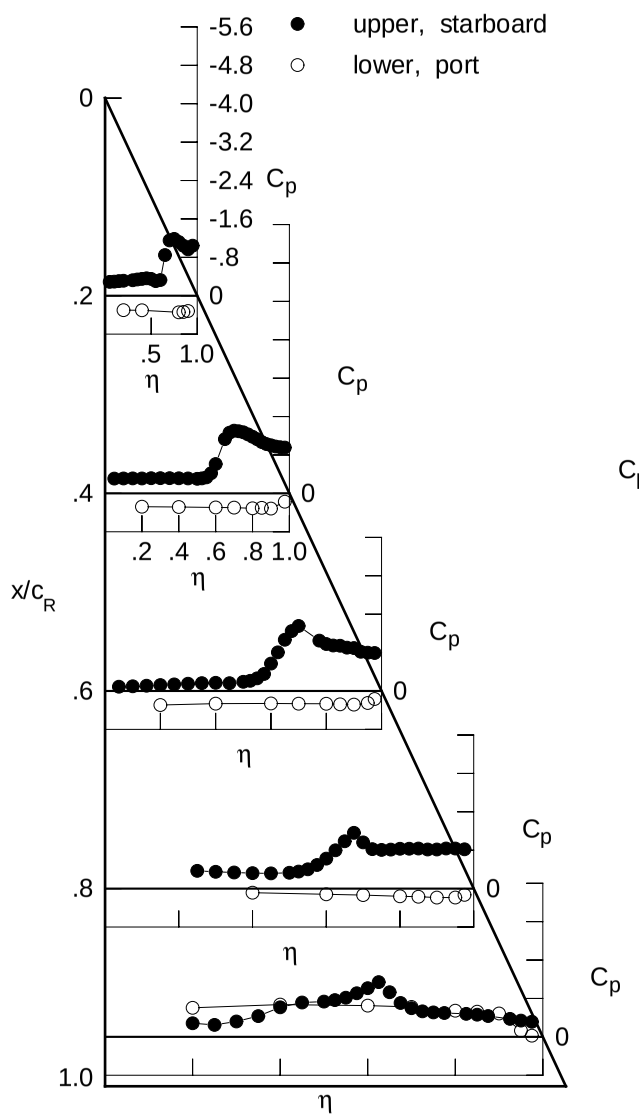
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.9044	-0.9524	0.3067	0.3065
0.40	0.95	-0.9321	-0.9210	0.2660	*******
0.60	0.95	-0.7523	-0.7820	0.2508	0.2505
0.80	0.95	-0.7900	-0.7708	0.1872	0.1845
0.95	0.95	-0.3518	-0.3715	-0.1614	-0.1379

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.2886	-0.3080	-0.0889	*******	*******
0.100	-0.2936	-0.3106	-0.0977	*******	*******
0.150	-0.3045	-0.3123	-0.1093	*******	*******
0.200	-0.3119	-0.3103	-0.1230	*******	-0.2830
0.250	*******	-0.3157	-0.1371	-0.3704	-0.2491
0.300	-0.3228	-0.3167	-0.1515	-0.3503	-0.3204
0.350	-0.3388	-0.3171	-0.1636	-0.3357	-0.4322
0.400	-0.3507	-0.3146	-0.1704	-0.3224	-0.6154
0.450	-0.3633	-0.3110	-0.1627	-0.3173	-0.7155
0.500	-0.3507	-0.3035	-0.1914	-0.3304	-0.7341
0.525	*******	-0.3118	-0.2121	-0.3555	-0.7652
0.550	-0.3042	-0.3339	-0.2634	-0.4026	-0.8155
0.575	*******	-0.4192	-0.3543	-0.4922	-0.9080
0.600	-0.3269	-0.6115	-0.5702	-0.6247	-1.0135
0.625	*******	*******	-0.8046	-0.7983	-1.1402
0.650	-0.8474	-1.1295	-1.0668	-0.9866	-0.9298
0.675	*******	-1.2638	-1.2483	-1.1620	-0.7055
0.700	-1.1522	-1.3063	-1.3546	-0.9635	-0.5965
0.725	*******	-1.2947	*******	-0.8224	-0.5314
0.750	-1.1840	-1.2727	*******	-0.8065	-0.5091
0.775	*******	-1.2300	-1.0491	-0.8126	-0.4968
0.800	-1.1196	-1.1799	-0.9785	-0.8304	*******
0.825	*******	-1.1283	-0.9476	-0.8315	-0.4795
0.850	-1.0415	-1.0698	-0.9424	-0.8348	-0.4612
0.875	*******	-1.0280	-0.9025	-0.8150	-0.4337
0.900	-0.9668	-1.0020	-0.8941	-0.8152	*******
0.925	*******	-0.9756	-0.8171	-0.8361	-0.3741
0.950	-1.0425	-0.9615	-0.7972	-0.8350	-0.3385
0.975	*******	-0.9544	-0.7915	-0.8193	-0.3144

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.3007	0.2778	0.2926	*******	-0.6051
-0.400	0.3035	0.2841	0.2636	0.0851	-0.6721
-0.600	*******	0.2937	0.2599	0.1182	-0.6507
-0.700	*******	0.2971	0.2647	0.1347	-0.6228
-0.800	0.3455	0.3115	0.2661	0.1600	-0.5445
-0.850	0.3382	0.3015	0.2781	0.1684	-0.5238
-0.900	0.3182	0.3166	0.2842	0.1861	-0.4860
-0.950	*******	*******	0.2506	0.1859	-0.1302
-0.975	*******	0.1737	0.1674	0.1297	-0.0248

Surface Pressures



Sharp Radius L.E.

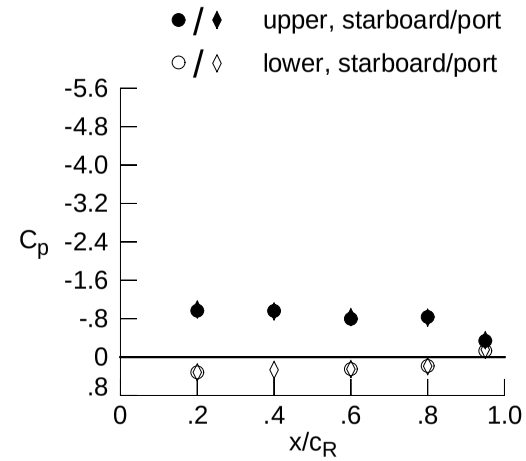
Run No. = 83 , Point No. = 1800

C_N = 0.667, C_m = -0.1168

α = 13.7 °, M_∞ = 0.848

$R_{mac} = 11.8 \times 10^6$

Surface Pressures Near Leading Edge

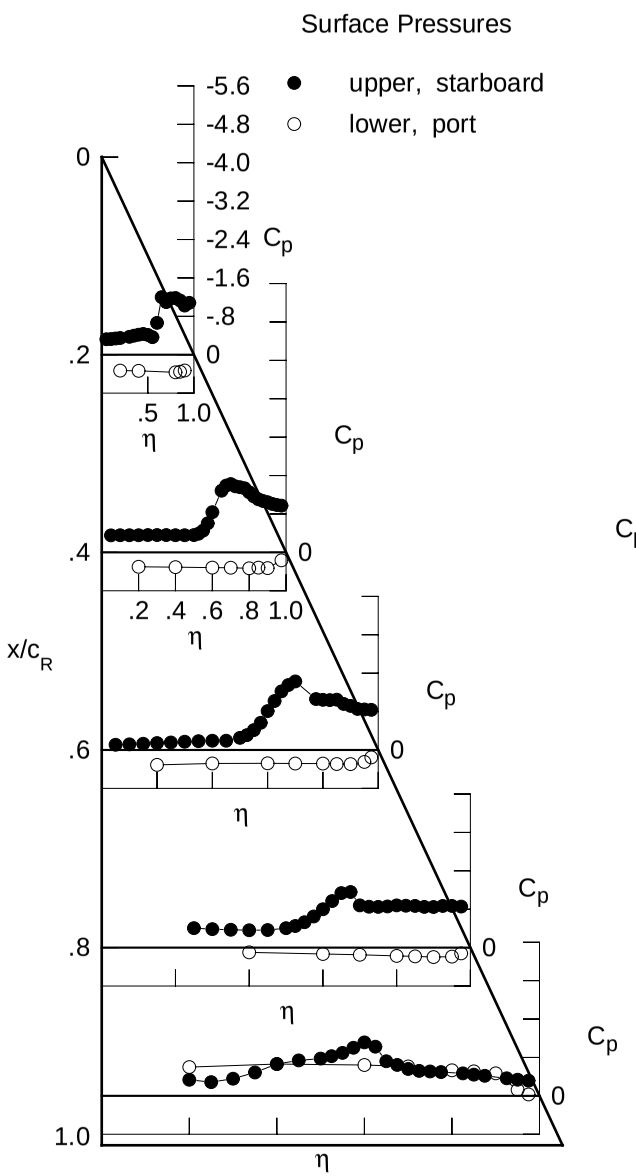


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.9668	-0.9938	0.3179	0.3182
0.40	0.95	-0.9615	-0.9517	0.2671	*******
0.60	0.95	-0.7972	-0.8326	0.2508	0.2506
0.80	0.95	-0.8350	-0.8228	0.1892	0.1859
0.95	0.95	-0.3385	-0.3523	-0.1549	-0.1302

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.3225	-0.3544	-0.1087	*******	*******
0.100	-0.3268	-0.3572	-0.1177	*******	*******
0.150	-0.3387	-0.3570	-0.1293	*******	*******
0.200	-0.3485	-0.3570	-0.1438	*******	-0.3352
0.250	*******	-0.3607	-0.1564	-0.4060	-0.2853
0.300	-0.3725	-0.3611	-0.1721	-0.3847	-0.3569
0.350	-0.3968	-0.3606	-0.1834	-0.3717	-0.4866
0.400	-0.4166	-0.3575	-0.1925	-0.3615	-0.6633
0.450	-0.4332	-0.3565	-0.1926	-0.3665	-0.7384
0.500	-0.4125	-0.3600	-0.2525	-0.4045	-0.7761
0.525	*******	-0.3889	-0.3087	-0.4507	-0.8260
0.550	-0.3654	-0.4538	-0.4132	-0.5289	-0.8945
0.575	*******	-0.6059	-0.5664	-0.6486	-1.0019
0.600	-0.6639	-0.8377	-0.8100	-0.7988	-1.1137
0.625	*******	*******	-1.0199	-0.9701	-1.0242
0.650	-1.1988	-1.2846	-1.2208	-1.1359	-0.7204
0.675	*******	-1.3911	-1.3528	-1.1586	-0.6444
0.700	-1.0964	-1.4231	-1.4281	-0.8800	-0.5603
0.725	*******	-1.3757	*******	-0.8518	-0.5202
0.750	-1.1737	-1.3572	*******	-0.8487	-0.5076
0.775	*******	-1.3354	-1.0609	-0.8579	-0.4956
0.800	-1.1818	-1.2522	-1.0448	-0.8798	*******
0.825	*******	-1.1665	-1.0389	-0.8732	-0.4678
0.850	-1.1299	-1.1056	-1.0479	-0.8686	-0.4414
0.875	*******	-1.0703	-0.9595	-0.8486	-0.4176
0.900	-1.0240	-1.0448	-0.9186	-0.8462	*******
0.925	*******	-1.0099	-0.8549	-0.8679	-0.3653
0.950	-1.0814	-0.9865	-0.8437	-0.8689	-0.3363
0.975	*******	-0.9737	-0.8360	-0.8555	-0.3156

η	x/c_R .2 $C_{p,l}$	x/c_R .4 $C_{p,l}$	x/c_R .6 $C_{p,l}$	x/c_R .8 $C_{p,l}$	x/c_R .95 $C_{p,l}$
-0.200	0.3309	0.3003	0.3107	*******	-0.5989
-0.400	0.3356	0.3081	0.2811	0.0988	-0.6623
-0.600	*******	0.3180	0.2779	0.1328	-0.6420
-0.700	*******	0.3203	0.2823	0.1488	-0.6119
-0.800	0.3668	0.3323	0.2833	0.1731	-0.5322
-0.850	0.3549	0.3187	0.2928	0.1822	-0.5107
-0.900	0.3288	0.3279	0.2947	0.1969	-0.4689
-0.950	*******	*******	0.2485	0.1870	-0.1259
-0.975	*******	0.1654	0.1545	0.1199	-0.0291



Sharp Radius L.E.

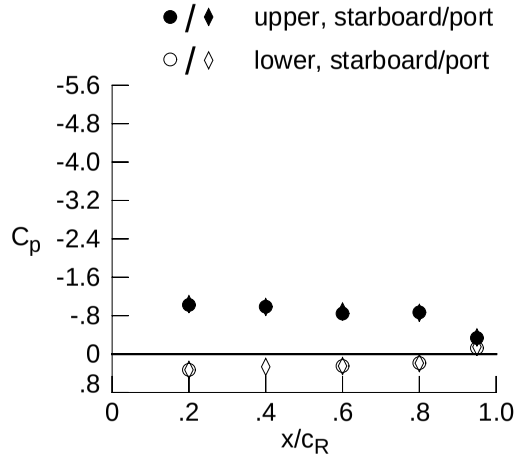
Run No. = 83 , Point No. = 1801

C_N = 0.719, C_m = -0.1218

α = 14.7 °, M_∞ = 0.848

$R_{mac} = 11.8 \times 10^6$

Surface Pressures Near Leading Edge



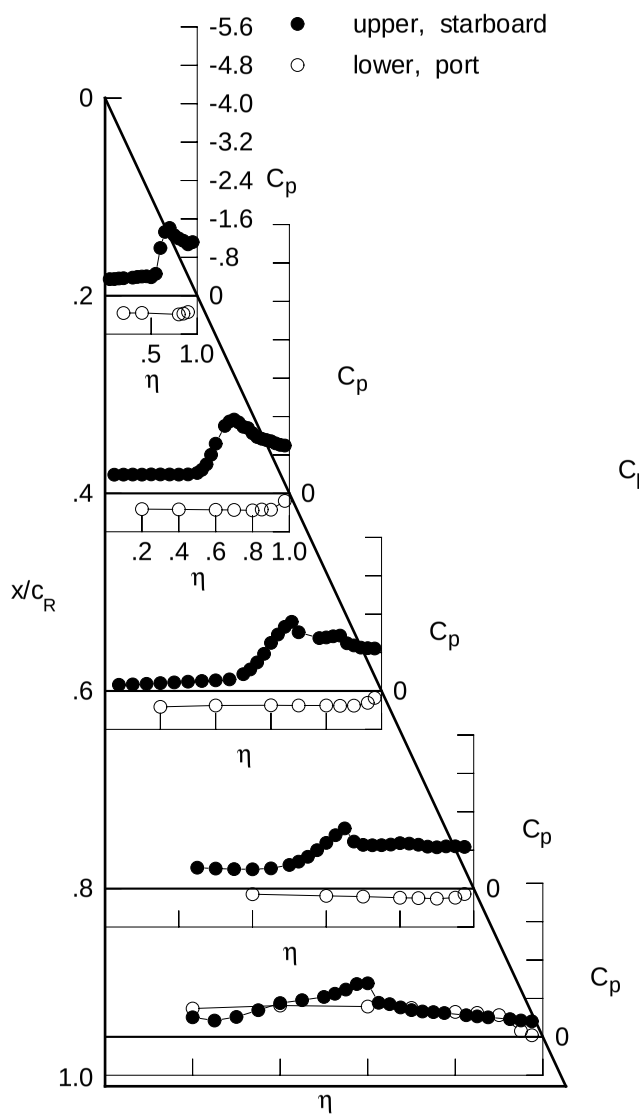
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.0240	-1.0416	0.3280	0.3288
0.40	0.95	-0.9865	-0.9804	0.2660	*******
0.60	0.95	-0.8437	-0.8887	0.2498	0.2485
0.80	0.95	-0.8689	-0.8584	0.1888	0.1870
0.95	0.95	-0.3363	-0.3485	-0.1504	-0.1259

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.3454	-0.3892	-0.1286	*******	*******
0.100	-0.3472	-0.3902	-0.1366	*******	*******
0.150	-0.3590	-0.3920	-0.1490	*******	*******
0.200	-0.3650	-0.3902	-0.1639	*******	-0.4074
0.250	*******	-0.3950	-0.1788	-0.4358	-0.3394
0.300	-0.3769	-0.3945	-0.1932	-0.4173	-0.4148
0.350	-0.3910	-0.3936	-0.2081	-0.4067	-0.5551
0.400	-0.3999	-0.3913	-0.2212	-0.4028	-0.7033
0.450	-0.4049	-0.3952	-0.2416	-0.4220	-0.7643
0.500	-0.3859	-0.4248	-0.3497	-0.4930	-0.8315
0.525	*******	-0.4902	-0.4484	-0.5618	-0.8975
0.550	-0.4565	-0.6053	-0.5952	-0.6633	-0.9851
0.575	*******	-0.8036	-0.7738	-0.8005	-1.1000
0.600	-0.9945	-1.0346	-1.0016	-0.9527	-1.1153
0.625	*******	*******	-1.1758	-1.1129	-0.7098
0.650	-1.3292	-1.4059	-1.3357	-1.2544	-0.6806
0.675	*******	-1.4978	-1.4405	-0.9802	-0.6129
0.700	-1.4122	-1.5379	-1.2232	-0.9109	-0.5572
0.725	*******	-1.4777	*******	-0.9032	-0.5278
0.750	-1.2611	-1.3869	*******	-0.9045	-0.5153
0.775	*******	-1.3603	-1.1019	-0.9174	-0.4957
0.800	-1.1925	-1.2528	-1.1153	-0.9469	*******
0.825	*******	-1.1742	-1.1391	-0.9372	-0.4504
0.850	-1.1448	-1.1375	-1.1534	-0.9146	-0.4265
0.875	*******	-1.1113	-0.9938	-0.8747	-0.4063
0.900	-1.0709	-1.0861	-0.9491	-0.8611	*******
0.925	*******	-1.0420	-0.9030	-0.8802	-0.3687
0.950	-1.1170	-1.0107	-0.8917	-0.8814	-0.3404
0.975	*******	-0.9967	-0.8848	-0.8690	-0.3230

η	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.3608	0.3281	0.3311	*******	-0.5897
-0.400	0.3587	0.3345	0.3023	0.1165	-0.6523
-0.600	*******	0.3428	0.2980	0.1513	-0.6310
-0.700	*******	0.3456	0.3023	0.1660	-0.6013
-0.800	0.3894	0.3545	0.3022	0.1905	-0.5193
-0.850	0.3728	0.3368	0.3095	0.1976	-0.4981
-0.900	0.3403	0.3396	0.3057	0.2091	-0.4523
-0.950	*******	*******	0.2470	0.1890	-0.1213
-0.975	*******	0.1577	0.1442	0.1128	-0.0327

Surface Pressures



Sharp Radius L.E.

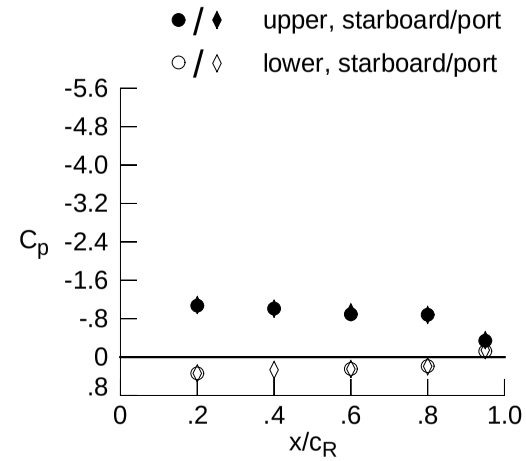
Run No. = 83 , Point No. = 1802

C_N = 0.773, C_m = -0.1280

α = 15.8 °, M_∞ = 0.847

$R_{mac} = 11.8 \times 10^6$

Surface Pressures Near Leading Edge



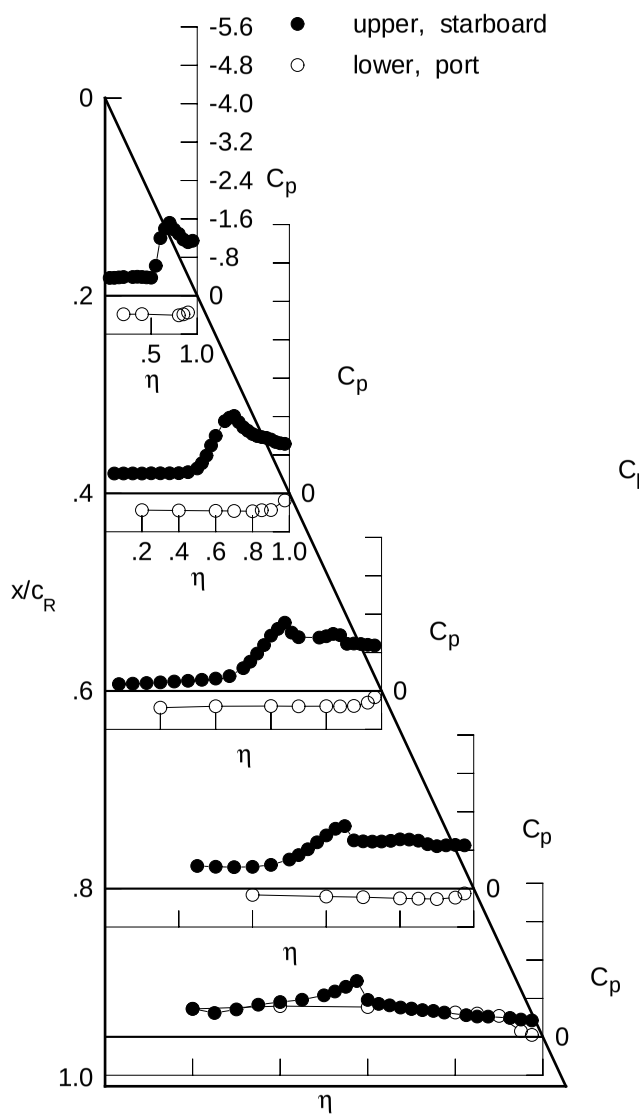
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.0709	-1.0851	0.3387	0.3403
0.40	0.95	-1.0107	-1.0087	0.2674	*******
0.60	0.95	-0.8917	-0.9342	0.2491	0.2470
0.80	0.95	-0.8814	-0.8780	0.1922	0.1890
0.95	0.95	-0.3404	-0.3526	-0.1450	-0.1213

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.3713	-0.4134	-0.1430	*******	*******
0.100	-0.3727	-0.4146	-0.1518	*******	*******
0.150	-0.3819	-0.4148	-0.1653	*******	*******
0.200	-0.3892	-0.4132	-0.1794	*******	-0.5859
0.250	*******	-0.4185	-0.1967	-0.4722	-0.4969
0.300	-0.3897	-0.4185	-0.2118	-0.4550	-0.5709
0.350	-0.3949	-0.4181	-0.2328	-0.4471	-0.6700
0.400	-0.3902	-0.4212	-0.2588	-0.4534	-0.7251
0.450	-0.3824	-0.4415	-0.3100	-0.4941	-0.7726
0.500	-0.3760	-0.5190	-0.4755	-0.6058	-0.8650
0.525	*******	-0.6280	-0.6107	-0.6984	-0.9445
0.550	-0.6241	-0.7868	-0.7791	-0.8201	-1.0424
0.575	*******	-0.9977	-0.9569	-0.9648	-1.1636
0.600	-1.1999	-1.1977	-1.1530	-1.1080	-0.7697
0.625	*******	*******	-1.2938	-1.2470	-0.6868
0.650	-1.3977	-1.5041	-1.4228	-1.3027	-0.6557
0.675	*******	-1.5757	-1.2160	-1.0051	-0.6105
0.700	-1.5188	-1.6126	-1.1200	-0.9848	-0.5811
0.725	*******	-1.4859	*******	-0.9794	-0.5567
0.750	-1.3779	-1.3758	*******	-0.9814	-0.5402
0.775	*******	-1.3040	-1.1122	-0.9953	-0.5059
0.800	-1.2889	-1.2368	-1.1400	-1.0263	*******
0.825	*******	-1.1940	-1.1884	-1.0218	-0.4511
0.850	-1.1713	-1.1729	-1.1622	-0.9981	-0.4231
0.875	*******	-1.1560	-0.9824	-0.9256	-0.4214
0.900	-1.1149	-1.1215	-0.9881	-0.8838	*******
0.925	*******	-1.0712	-0.9784	-0.9013	-0.3937
0.950	-1.1449	-1.0444	-0.9619	-0.9106	-0.3601
0.975	*******	-1.0317	-0.9476	-0.9017	-0.3413

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.3868	0.3494	0.3481	*******	-0.5812
-0.400	0.3835	0.3569	0.3184	0.1308	-0.6404
-0.600	*******	0.3641	0.3145	0.1652	-0.6208
-0.700	*******	0.3671	0.3189	0.1784	-0.5885
-0.800	0.4077	0.3728	0.3169	0.2036	-0.5070
-0.850	0.3870	0.3512	0.3217	0.2098	-0.4848
-0.900	0.3488	0.3475	0.3122	0.2173	-0.4358
-0.950	*******	*******	0.2432	0.1873	-0.1181
-0.975	*******	0.1472	0.1302	0.1007	-0.0401

Surface Pressures



Sharp Radius L.E.

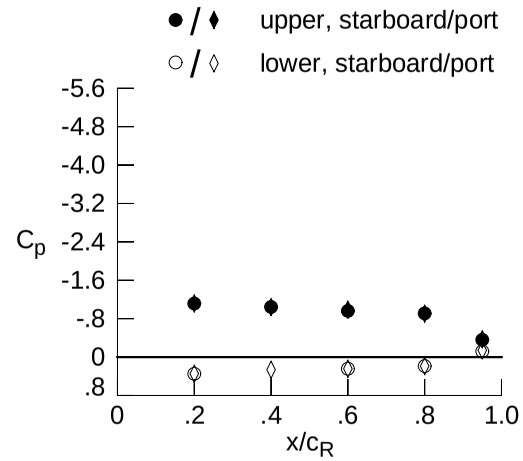
Run No. = 83 , Point No. = 1803

C_N = 0.831, C_m = -0.1375

α = 16.8 °, M_∞ = 0.849

$R_{mac} = 11.8 \times 10^6$

Surface Pressures Near Leading Edge



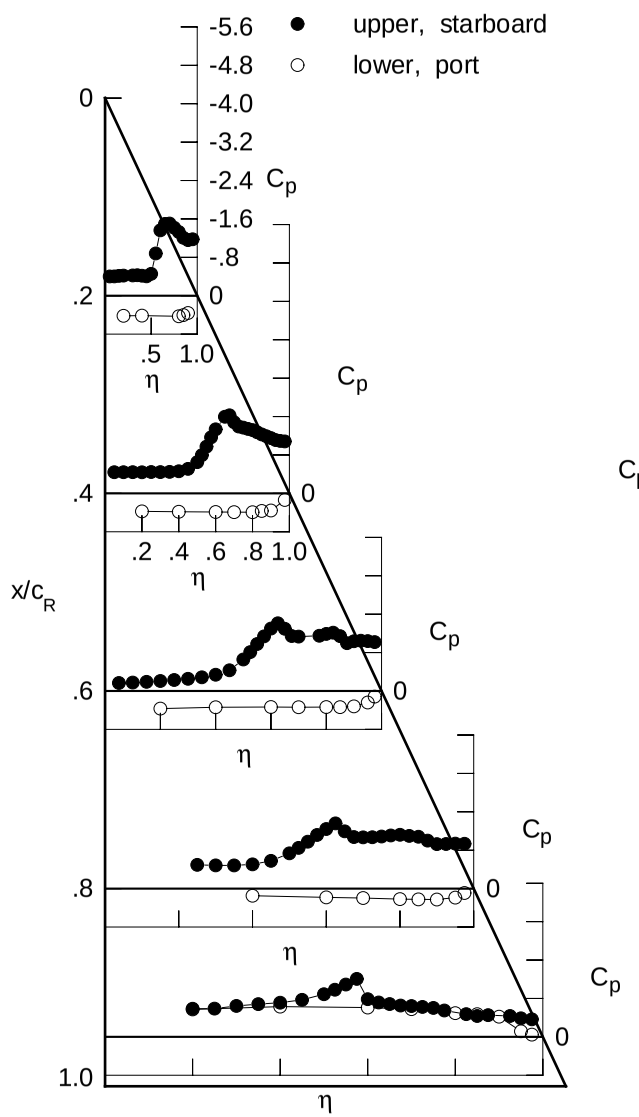
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.1149	-1.1186	0.3463	0.3488
0.40	0.95	-1.0444	-1.0410	0.2642	*******
0.60	0.95	-0.9619	-0.9899	0.2427	0.2432
0.80	0.95	-0.9106	-0.9050	0.1891	0.1873
0.95	0.95	-0.3601	-0.3712	-0.1416	-0.1181

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.4017	-0.4405	-0.1667	*******	*******
0.100	-0.4026	-0.4408	-0.1755	*******	*******
0.150	-0.4136	-0.4414	-0.1907	*******	*******
0.200	-0.4193	-0.4388	-0.2083	*******	-0.5857
0.250	*******	-0.4446	-0.2286	-0.4950	-0.5879
0.300	-0.4220	-0.4431	-0.2533	-0.4839	-0.6438
0.350	-0.4275	-0.4477	-0.2851	-0.4834	-0.6815
0.400	-0.4168	-0.4604	-0.3383	-0.5058	-0.7113
0.450	-0.4038	-0.5101	-0.4312	-0.5781	-0.7709
0.500	-0.4559	-0.6507	-0.6559	-0.7349	-0.8884
0.525	*******	-0.7957	-0.8094	-0.8485	-0.9818
0.550	-0.8806	-0.9733	-0.9786	-0.9772	-1.0898
0.575	*******	-1.1675	-1.1374	-1.1173	-1.2071
0.600	-1.3626	-1.3342	-1.3000	-1.2417	-0.7845
0.625	*******	*******	-1.4103	-1.3595	-0.7159
0.650	-1.4959	-1.5957	-1.2963	-1.1936	-0.6830
0.675	*******	-1.6264	-1.1445	-1.0746	-0.6516
0.700	-1.5037	-1.4816	-1.1326	-1.0679	-0.6415
0.725	*******	-1.3929	*******	-1.0704	-0.6234
0.750	-1.4162	-1.3693	*******	-1.0855	-0.6025
0.775	*******	-1.3434	-1.1508	-1.1072	-0.5484
0.800	-1.3282	-1.3180	-1.1890	-1.1215	*******
0.825	*******	-1.2733	-1.2145	-1.0984	-0.4724
0.850	-1.2069	-1.2277	-1.1426	-1.0810	-0.4345
0.875	*******	-1.1903	-0.9957	-0.9997	-0.4521
0.900	-1.1585	-1.1523	-1.0356	-0.9272	*******
0.925	*******	-1.1111	-1.0473	-0.9293	-0.4345
0.950	-1.1758	-1.0930	-1.0391	-0.9376	-0.3865
0.975	*******	-1.0824	-1.0185	-0.9340	-0.3651

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.4186	0.3748	0.3675	*******	-0.5710
-0.400	0.4146	0.3829	0.3395	0.1481	-0.6297
-0.600	*******	0.3882	0.3343	0.1825	-0.6102
-0.700	*******	0.3909	0.3388	0.1963	-0.5768
-0.800	0.4284	0.3929	0.3355	0.2186	-0.4937
-0.850	0.4035	0.3668	0.3368	0.2238	-0.4719
-0.900	0.3596	0.3569	0.3209	0.2268	-0.4204
-0.950	*******	*******	0.2397	0.1871	-0.1158
-0.975	*******	0.1380	0.1176	0.0913	-0.0466

Surface Pressures



Sharp Radius L.E.

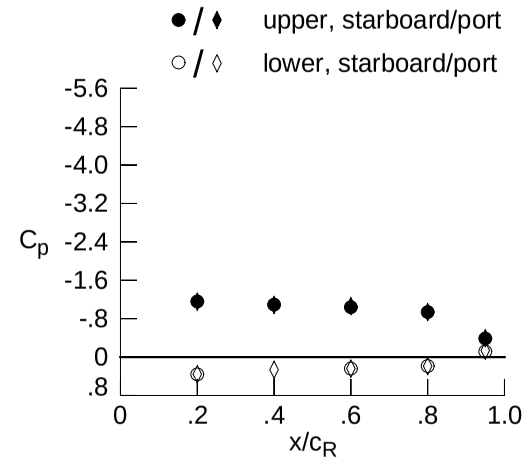
Run No. = 83 , Point No. = 1804

C_N = 0.894, C_m = -0.1498

α = 17.9 °, M_∞ = 0.848

$R_{mac} = 11.8 \times 10^6$

Surface Pressures Near Leading Edge



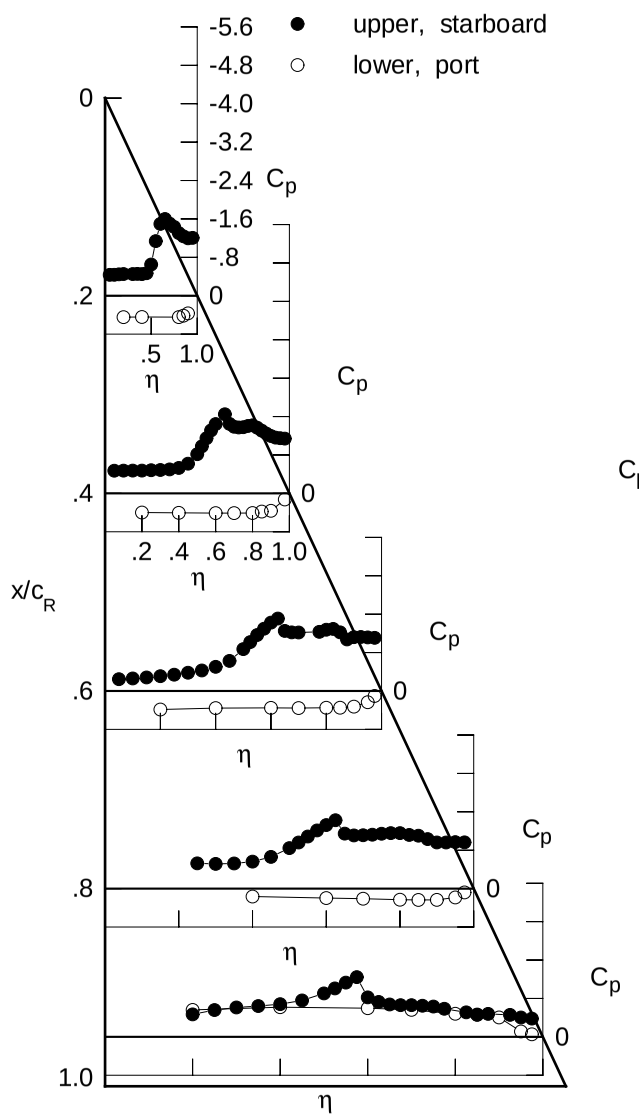
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.1585	-1.1562	0.3555	0.3596
0.40	0.95	-1.0930	-1.0872	0.2634	*******
0.60	0.95	-1.0391	-1.0624	0.2386	0.2397
0.80	0.95	-0.9376	-0.9370	0.1886	0.1871
0.95	0.95	-0.3865	-0.3939	-0.1376	-0.1158

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.4350	-0.4722	-0.2457	*******	*******
0.100	-0.4361	-0.4733	-0.2611	*******	*******
0.150	-0.4456	-0.4745	-0.2815	*******	*******
0.200	-0.4519	-0.4746	-0.3081	*******	-0.4682
0.250	*******	-0.4824	-0.3392	-0.5261	-0.5584
0.300	-0.4511	-0.4870	-0.3797	-0.5151	-0.6120
0.350	-0.4554	-0.4990	-0.4274	-0.5236	-0.6419
0.400	-0.4506	-0.5300	-0.5028	-0.5622	-0.6806
0.450	-0.4685	-0.6181	-0.6260	-0.6610	-0.7584
0.500	-0.6502	-0.8162	-0.8717	-0.8439	-0.9051
0.525	*******	-0.9789	-1.0186	-0.9605	-1.0091
0.550	-1.1376	-1.1478	-1.1655	-1.0859	-1.1297
0.575	*******	-1.3112	-1.2972	-1.2119	-1.2437
0.600	-1.4960	-1.4442	-1.4240	-1.3238	-0.8222
0.625	*******	*******	-1.5086	-1.4251	-0.7272
0.650	-1.5984	-1.6479	-1.2514	-1.1459	-0.6746
0.675	*******	-1.4476	-1.2210	-1.1082	-0.6601
0.700	-1.5024	-1.3881	-1.2186	-1.1122	-0.6599
0.725	*******	-1.3726	*******	-1.1228	-0.6481
0.750	-1.4329	-1.3785	*******	-1.1429	-0.6313
0.775	*******	-1.4041	-1.2322	-1.1563	-0.5845
0.800	-1.3050	-1.4184	-1.2759	-1.1560	*******
0.825	*******	-1.3690	-1.2924	-1.1183	-0.5100
0.850	-1.2387	-1.3065	-1.2213	-1.1023	-0.4648
0.875	*******	-1.2460	-1.0735	-1.0323	-0.4782
0.900	-1.1958	-1.1952	-1.1209	-0.9620	*******
0.925	*******	-1.1616	-1.1246	-0.9607	-0.4573
0.950	-1.2060	-1.1494	-1.1161	-0.9687	-0.4034
0.975	*******	-1.1411	-1.1073	-0.9638	-0.3800

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.4461	0.3991	0.3862	*******	-0.5612
-0.400	0.4431	0.4055	0.3570	0.1646	-0.6174
-0.600	*******	0.4110	0.3519	0.1964	-0.5966
-0.700	*******	0.4115	0.3558	0.2101	-0.5627
-0.800	0.4458	0.4094	0.3496	0.2310	-0.4805
-0.850	0.4163	0.3791	0.3489	0.2358	-0.4576
-0.900	0.3668	0.3632	0.3265	0.2347	-0.4040
-0.950	*******	*******	0.2343	0.1843	-0.1123
-0.975	*******	0.1269	0.1038	0.0793	-0.0526

Surface Pressures



Sharp Radius L.E.

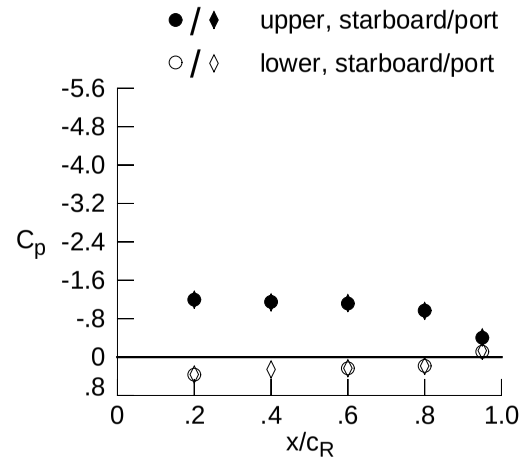
Run No. = 83 , Point No. = 1805

C_N = 0.958, C_m = -0.1634

α = 18.9 °, M_∞ = 0.849

$R_{mac} = 11.8 \times 10^6$

Surface Pressures Near Leading Edge



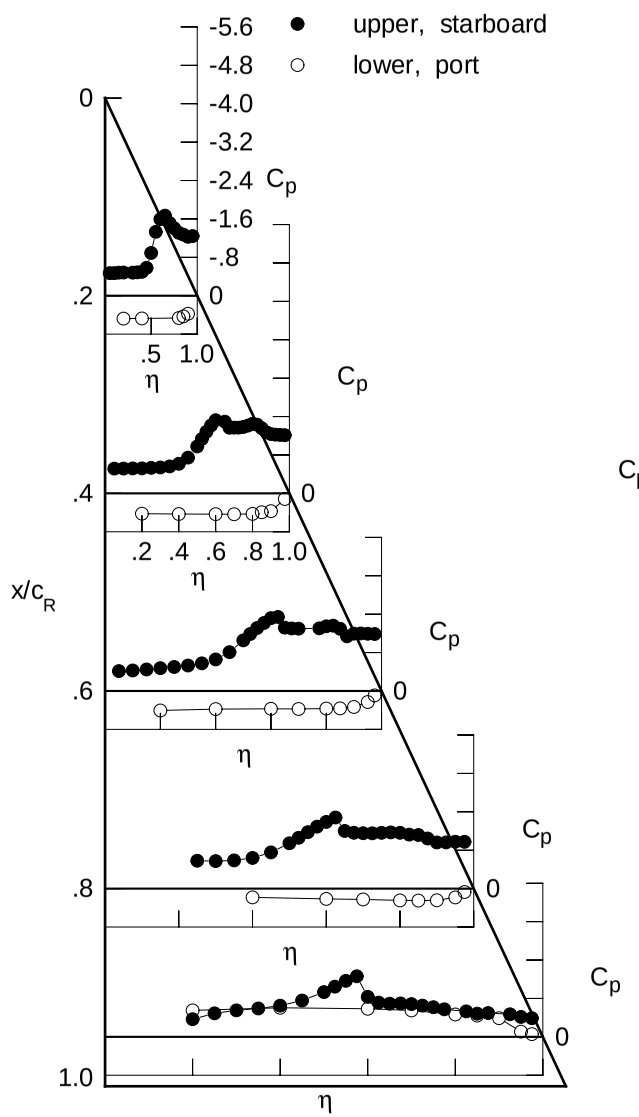
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.1958	-1.1963	0.3625	0.3668
0.40	0.95	-1.1494	-1.1402	0.2577	*******
0.60	0.95	-1.1161	-1.1251	0.2317	0.2343
0.80	0.95	-0.9687	-0.9609	0.1850	0.1843
0.95	0.95	-0.4034	-0.4112	-0.1340	-0.1123

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.4706	-0.5163	-0.4144	*******	*******
0.100	-0.4707	-0.5171	-0.4275	*******	*******
0.150	-0.4806	-0.5204	-0.4484	*******	*******
0.200	-0.4832	-0.5211	-0.4750	*******	-0.3672
0.250	*******	-0.5316	-0.4997	-0.5808	-0.4893
0.300	-0.4807	-0.5398	-0.5304	-0.5738	-0.5517
0.350	-0.4876	-0.5613	-0.5755	-0.5881	-0.5915
0.400	-0.4980	-0.6163	-0.6572	-0.6391	-0.6495
0.450	-0.5810	-0.7451	-0.8090	-0.7546	-0.7565
0.500	-0.8914	-0.9772	-1.0543	-0.9452	-0.9322
0.525	*******	-1.1341	-1.1870	-1.0594	-1.0457
0.550	-1.3307	-1.2829	-1.3110	-1.1754	-1.1673
0.575	*******	-1.4151	-1.4167	-1.2912	-1.2617
0.600	-1.5934	-1.5240	-1.5175	-1.3896	-0.8336
0.625	*******	*******	-1.5424	-1.4814	-0.7139
0.650	-1.6689	-1.4937	-1.3195	-1.2015	-0.6905
0.675	*******	-1.3670	-1.3027	-1.1636	-0.6957
0.700	-1.5152	-1.3697	-1.2982	-1.1545	-0.6826
0.725	*******	-1.3693	*******	-1.1520	-0.6502
0.750	-1.4055	-1.3832	*******	-1.1625	-0.6175
0.775	*******	-1.4121	-1.3045	-1.1712	-0.5734
0.800	-1.3103	-1.4486	-1.3474	-1.1636	*******
0.825	*******	-1.4312	-1.3606	-1.1258	-0.5300
0.850	-1.2728	-1.3569	-1.2958	-1.1171	-0.4829
0.875	*******	-1.2732	-1.1388	-1.0444	-0.4963
0.900	-1.2276	-1.2363	-1.1944	-0.9619	*******
0.925	*******	-1.2228	-1.1987	-0.9622	-0.4703
0.950	-1.2425	-1.2174	-1.1924	-0.9780	-0.4156
0.975	*******	-1.2121	-1.1869	-0.9752	-0.3880

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.4768	0.4233	0.4061	*******	-0.5510
-0.400	0.4735	0.4304	0.3779	0.1821	-0.6056
-0.600	*******	0.4338	0.3716	0.2144	-0.5849
-0.700	*******	0.4349	0.3752	0.2259	-0.5501
-0.800	0.4645	0.4280	0.3662	0.2452	-0.4661
-0.850	0.4301	0.3932	0.3622	0.2486	-0.4434
-0.900	0.3754	0.3708	0.3337	0.2430	-0.3891
-0.950	*******	*******	0.2302	0.1829	-0.1081
-0.975	*******	0.1174	0.0919	0.0700	-0.0570

Surface Pressures



Sharp Radius L.E.

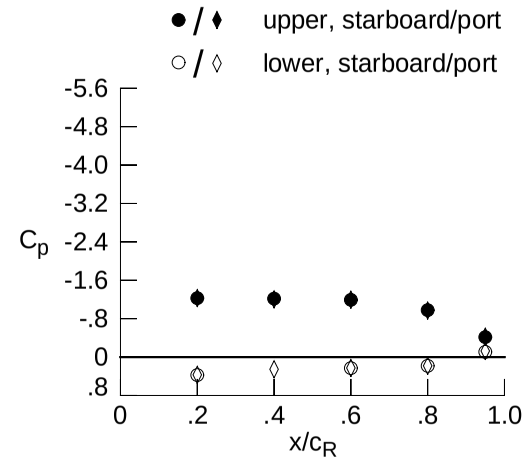
Run No. = 83 , Point No. = 1806

C_N = 1.014, C_m = -0.1710

α = 19.9 °, M_∞ = 0.848

$R_{mac} = 11.8 \times 10^6$

Surface Pressures Near Leading Edge



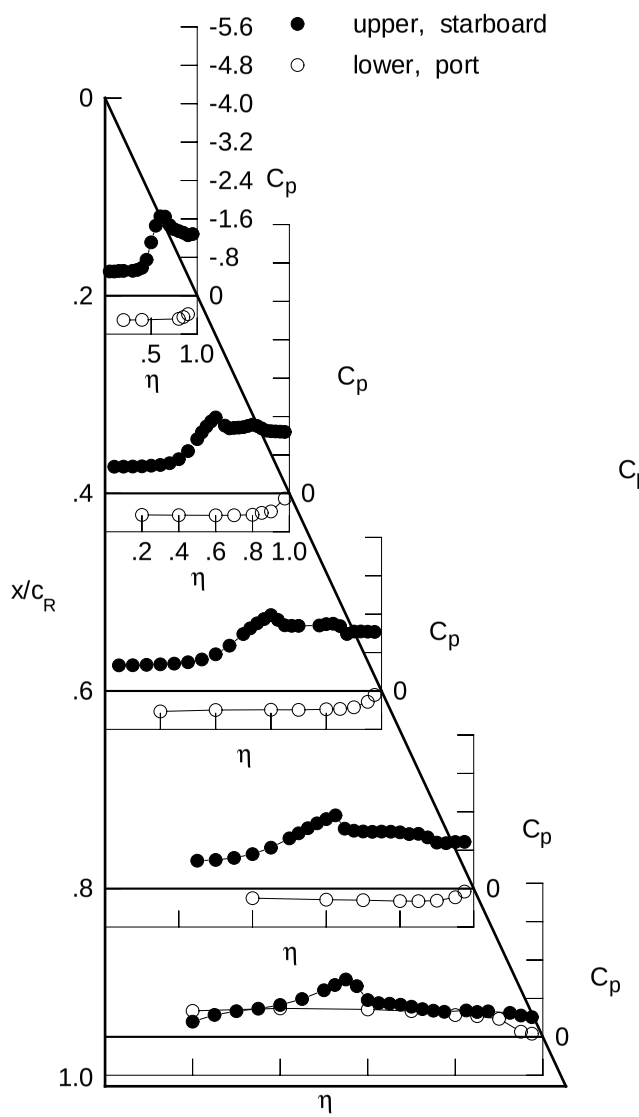
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.2276	-1.2291	0.3695	0.3754
0.40	0.95	-1.2174	-1.2032	0.2547	*******
0.60	0.95	-1.1924	-1.1966	0.2274	0.2302
0.80	0.95	-0.9780	-0.9703	0.1825	0.1829
0.95	0.95	-0.4156	-0.4256	-0.1272	-0.1081

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.5057	-0.5554	-0.5334	*******	*******
0.100	-0.5050	-0.5568	-0.5362	*******	*******
0.150	-0.5156	-0.5596	-0.5445	*******	*******
0.200	-0.5177	-0.5629	-0.5550	*******	-0.3161
0.250	*******	-0.5769	-0.5697	-0.5816	-0.4565
0.300	-0.5190	-0.5918	-0.5984	-0.5973	-0.5347
0.350	-0.5384	-0.6278	-0.6557	-0.6402	-0.5862
0.400	-0.5817	-0.7123	-0.7641	-0.7185	-0.6643
0.450	-0.7497	-0.8812	-0.9443	-0.8529	-0.7881
0.500	-1.1122	-1.1296	-1.1860	-1.0468	-0.9702
0.525	*******	-1.2714	-1.3050	-1.1522	-1.0803
0.550	-1.4582	-1.3935	-1.4098	-1.2587	-1.1954
0.575	*******	-1.4981	-1.4976	-1.3600	-1.0560
0.600	-1.6539	-1.5813	-1.5805	-1.4484	-0.7661
0.625	*******	*******	-1.4818	-1.5261	-0.7024
0.650	-1.6477	-1.4112	-1.3682	-1.2489	-0.6901
0.675	*******	-1.3540	-1.3575	-1.2064	-0.6686
0.700	-1.4703	-1.3641	-1.3569	-1.1906	-0.6284
0.725	*******	-1.3699	*******	-1.1831	-0.5776
0.750	-1.3854	-1.3794	*******	-1.1884	-0.5452
0.775	*******	-1.4051	-1.3643	-1.1855	-0.5217
0.800	-1.3456	-1.4317	-1.3930	-1.1725	*******
0.825	*******	-1.4041	-1.4010	-1.1357	-0.5498
0.850	-1.3109	-1.3527	-1.3514	-1.1415	-0.5173
0.875	*******	-1.3064	-1.1873	-1.0671	-0.5308
0.900	-1.2597	-1.2951	-1.2387	-0.9586	*******
0.925	*******	-1.2905	-1.2397	-0.9463	-0.4993
0.950	-1.2849	-1.2857	-1.2354	-0.9709	-0.4437
0.975	*******	-1.2797	-1.2301	-0.9741	-0.4097

	x/c_R .2 $C_{p,l}$	x/c_R .4 $C_{p,l}$	x/c_R .6 $C_{p,l}$	x/c_R .8 $C_{p,l}$	x/c_R .95 $C_{p,l}$
-0.200	0.5064	0.4486	0.4264	*******	-0.5411
-0.400	0.5027	0.4547	0.3970	0.1992	-0.5932
-0.600	*******	0.4578	0.3914	0.2307	-0.5714
-0.700	*******	0.4563	0.3933	0.2411	-0.5358
-0.800	0.4827	0.4457	0.3817	0.2601	-0.4535
-0.850	0.4438	0.4060	0.3744	0.2610	-0.4310
-0.900	0.3835	0.3771	0.3402	0.2510	-0.3753
-0.950	*******	*******	0.2267	0.1811	-0.1067
-0.975	*******	0.1080	0.0814	0.0615	-0.0653

Surface Pressures



Sharp Radius L.E.

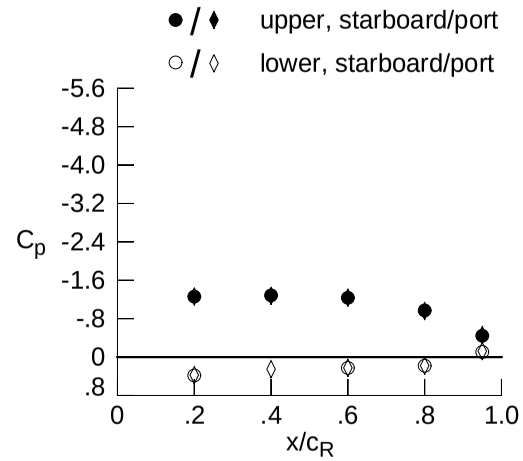
Run No. = 83 , Point No. = 1807

C_N = 1.069, C_m = -0.1795

α = 21.0 °, M_∞ = 0.848

$R_{mac} = 11.8 \times 10^6$

Surface Pressures Near Leading Edge

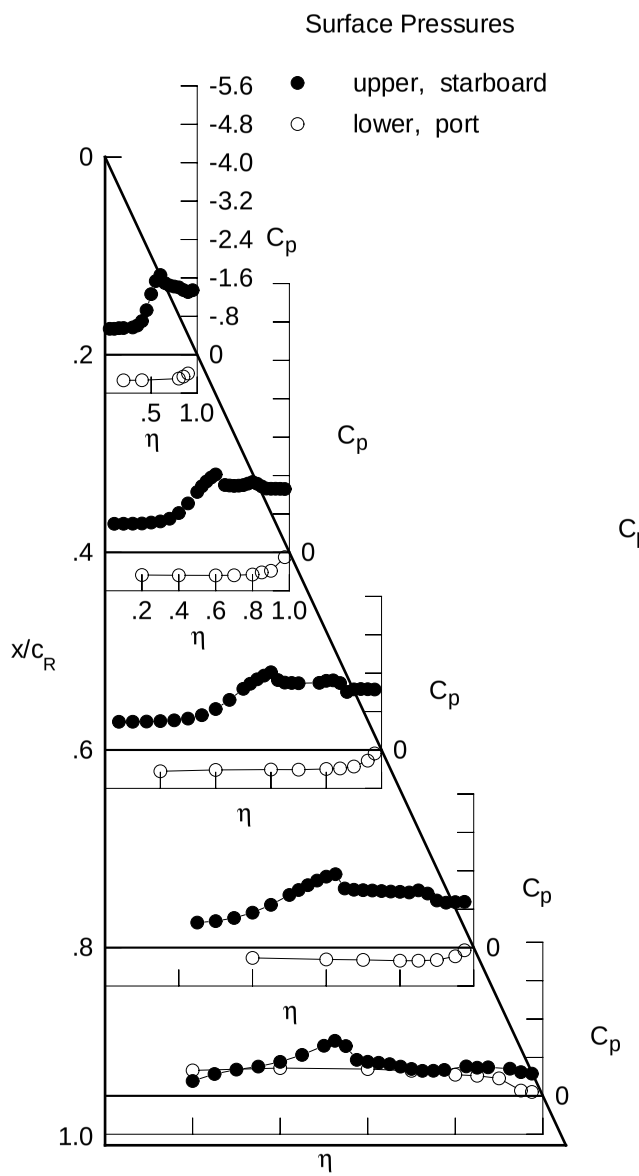


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.2597	-1.2636	0.3760	0.3835
0.40	0.95	-1.2857	-1.2743	0.2518	*******
0.60	0.95	-1.2354	-1.2390	0.2238	0.2267
0.80	0.95	-0.9709	-0.9573	0.1799	0.1811
0.95	0.95	-0.4437	-0.4588	-0.1243	-0.1067

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.5399	-0.5951	-0.5868	*******	*******
0.100	-0.5402	-0.5960	-0.5878	*******	*******
0.150	-0.5537	-0.5979	-0.5922	*******	*******
0.200	-0.5562	-0.6012	-0.6015	*******	-0.3088
0.250	*******	-0.6206	-0.6176	-0.5213	-0.4552
0.300	-0.5682	-0.6446	-0.6539	-0.5523	-0.5466
0.350	-0.6087	-0.7009	-0.7250	-0.6177	-0.6095
0.400	-0.7010	-0.8192	-0.8524	-0.7280	-0.7084
0.450	-0.9278	-1.0202	-1.0435	-0.8911	-0.8532
0.500	-1.2624	-1.2585	-1.2735	-1.0969	-1.0429
0.525	*******	-1.3766	-1.3791	-1.2003	-1.1466
0.550	-1.5346	-1.4758	-1.4721	-1.3006	-1.0371
0.575	*******	-1.5582	-1.5488	-1.3970	-0.7492
0.600	-1.6609	-1.6229	-1.6192	-1.4781	-0.7100
0.625	*******	*******	-1.4567	-1.5300	-0.6888
0.650	-1.4927	-1.4040	-1.4032	-1.2323	-0.6599
0.675	*******	-1.3930	-1.3961	-1.2055	-0.6090
0.700	-1.4420	-1.3846	-1.3907	-1.1969	-0.5603
0.725	*******	-1.3899	*******	-1.1892	-0.5209
0.750	-1.4206	-1.4015	*******	-1.1788	-0.5224
0.775	*******	-1.4318	-1.3987	-1.1677	-0.5400
0.800	-1.4034	-1.4656	-1.4409	-1.1622	*******
0.825	*******	-1.4299	-1.4508	-1.1490	-0.6140
0.850	-1.3483	-1.3737	-1.3946	-1.1927	-0.5860
0.875	*******	-1.3299	-1.2090	-1.1262	-0.5943
0.900	-1.3057	-1.3248	-1.2627	-0.9813	*******
0.925	*******	-1.3256	-1.2695	-0.9357	-0.5653
0.950	-1.3438	-1.3242	-1.2654	-0.9479	-0.4939
0.975	*******	-1.3198	-1.2599	-0.9535	-0.4626

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.5337	0.4720	0.4437	*******	-0.5297
-0.400	0.5310	0.4776	0.4159	0.2144	-0.5787
-0.600	*******	0.4798	0.4084	0.2462	-0.5578
-0.700	*******	0.4775	0.4103	0.2557	-0.5217
-0.800	0.4978	0.4619	0.3959	0.2727	-0.4397
-0.850	0.4553	0.4179	0.3852	0.2731	-0.4184
-0.900	0.3903	0.3838	0.3449	0.2583	-0.3643
-0.950	*******	*******	0.2225	0.1810	-0.1096
-0.975	*******	0.1001	0.0716	0.0550	-0.0810



Sharp Radius L.E.

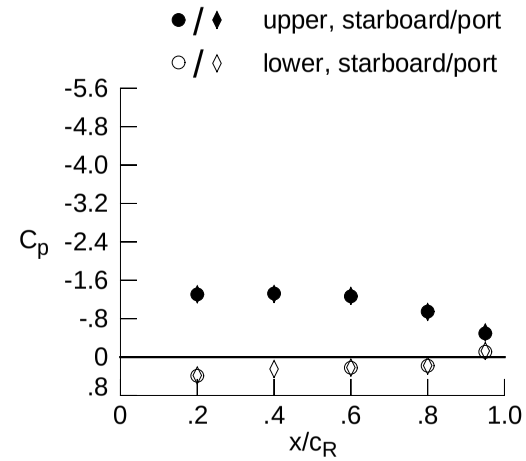
Run No. = 83 , Point No. = 1808

C_N = 1.123, C_m = -0.1894

α = 22.0 °, M_∞ = 0.849

$R_{mac} = 11.7 \times 10^6$

Surface Pressures Near Leading Edge

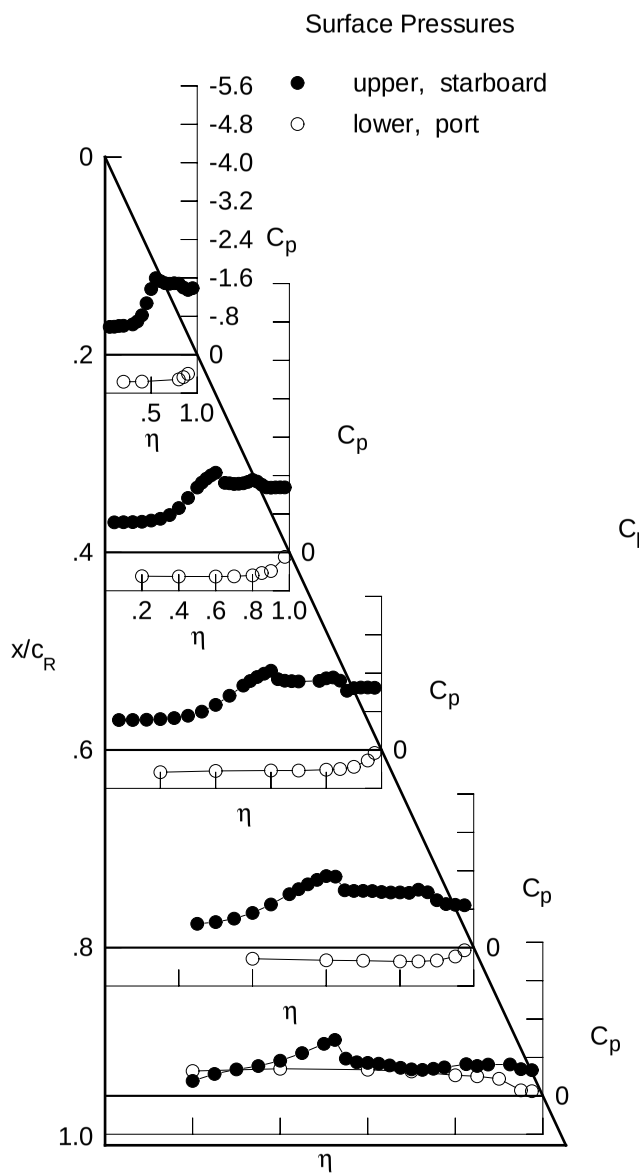


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.3057	-1.3091	0.3814	0.3903
0.40	0.95	-1.3242	-1.3135	0.2487	*******
0.60	0.95	-1.2654	-1.2747	0.2180	0.2225
0.80	0.95	-0.9479	-0.9389	0.1779	0.1810
0.95	0.95	-0.4939	-0.5142	-0.1279	-0.1096

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.5802	-0.6255	-0.6240	*******	*******
0.100	-0.5830	-0.6280	-0.6249	*******	*******
0.150	-0.5989	-0.6304	-0.6293	*******	*******
0.200	-0.6029	-0.6380	-0.6434	*******	-0.3102
0.250	*******	-0.6622	-0.6648	-0.4959	-0.4562
0.300	-0.6309	-0.6994	-0.7131	-0.5316	-0.5500
0.350	-0.6939	-0.7777	-0.7984	-0.6034	-0.6208
0.400	-0.8223	-0.9230	-0.9393	-0.7222	-0.7318
0.450	-1.0725	-1.1335	-1.1298	-0.8986	-0.8905
0.500	-1.3690	-1.3506	-1.3412	-1.1130	-1.0833
0.525	*******	-1.4530	-1.4367	-1.2176	-1.1648
0.550	-1.5951	-1.5355	-1.5196	-1.3182	-0.7751
0.575	*******	-1.6044	-1.5888	-1.4114	-0.6995
0.600	-1.5338	-1.6594	-1.6511	-1.4906	-0.6863
0.625	*******	*******	-1.4752	-1.4784	-0.6699
0.650	-1.4906	-1.4481	-1.4424	-1.1947	-0.6337
0.675	*******	-1.4396	-1.4335	-1.1807	-0.5842
0.700	-1.4783	-1.4249	-1.4274	-1.1827	-0.5521
0.725	*******	-1.4297	*******	-1.1781	-0.5408
0.750	-1.4892	-1.4393	*******	-1.1587	-0.5640
0.775	*******	-1.4681	-1.4393	-1.1482	-0.5929
0.800	-1.4808	-1.5106	-1.4930	-1.1496	*******
0.825	*******	-1.4742	-1.5102	-1.1409	-0.6601
0.850	-1.3996	-1.4087	-1.4442	-1.2062	-0.6221
0.875	*******	-1.3540	-1.2331	-1.1532	-0.6513
0.900	-1.3493	-1.3473	-1.2891	-0.9877	*******
0.925	*******	-1.3529	-1.3010	-0.9072	-0.6536
0.950	-1.3864	-1.3543	-1.3012	-0.8921	-0.5563
0.975	*******	-1.3539	-1.2957	-0.8824	-0.5352

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.5635	0.4968	0.4636	*******	-0.5170
-0.400	0.5601	0.5022	0.4366	0.2319	-0.5643
-0.600	*******	0.5035	0.4280	0.2639	-0.5438
-0.700	*******	0.5001	0.4288	0.2722	-0.5081
-0.800	0.5148	0.4789	0.4112	0.2883	-0.4279
-0.850	0.4671	0.4303	0.3972	0.2875	-0.4080
-0.900	0.3972	0.3889	0.3512	0.2691	-0.3553
-0.950	*******	*******	0.2189	0.1846	-0.1141
-0.975	*******	0.0932	0.0626	0.0554	-0.0966



Sharp Radius L.E.

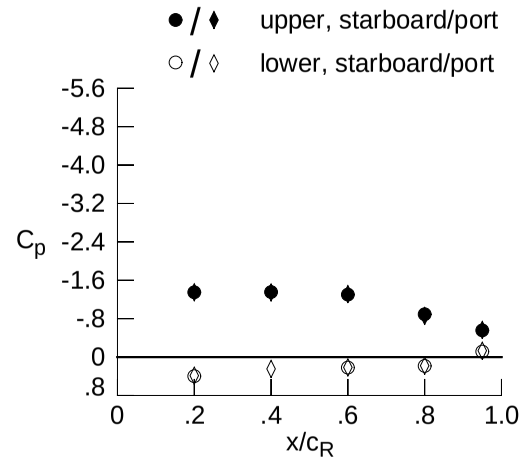
Run No. = 83 , Point No. = 1809

C_N = 1.165, C_m = -0.1920

α = 23.1 °, M_∞ = 0.849

$R_{mac} = 11.8 \times 10^6$

Surface Pressures Near Leading Edge



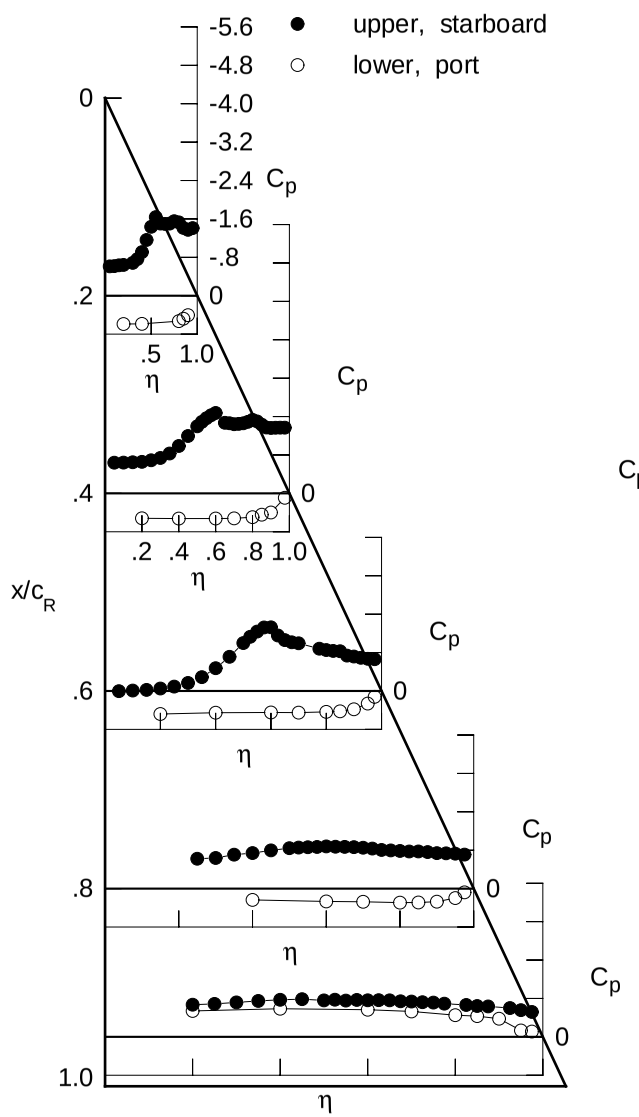
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.3493	-1.3503	0.3868	0.3972
0.40	0.95	-1.3543	-1.3475	0.2466	*******
0.60	0.95	-1.3012	-1.3125	0.2144	0.2189
0.80	0.95	-0.8921	-0.8569	0.1804	0.1846
0.95	0.95	-0.5563	-0.5662	-0.1330	-0.1141

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.6119	-0.6390	0.0043	*******	*******
0.100	-0.6166	-0.6411	-0.0086	*******	*******
0.150	-0.6335	-0.6479	-0.0222	*******	*******
0.200	-0.6413	-0.6564	-0.0514	*******	-0.6692
0.250	*******	-0.6894	-0.0914	-0.6224	-0.6865
0.300	-0.6836	-0.7372	-0.1670	-0.6387	-0.7174
0.350	-0.7623	-0.8300	-0.2881	-0.7070	-0.7477
0.400	-0.9091	-0.9872	-0.4743	-0.7405	-0.7721
0.450	-1.1616	-1.1955	-0.7118	-0.7964	-0.7852
0.500	-1.4359	-1.3966	-0.9985	-0.8425	-0.7590
0.525	*******	-1.4900	-1.1291	-0.8552	-0.7734
0.550	-1.6379	-1.5652	-1.2374	-0.8627	-0.7551
0.575	*******	-1.6272	-1.3234	-0.8680	-0.7686
0.600	-1.5028	-1.6753	-1.3265	-0.8792	-0.7615
0.625	*******	*******	-1.1560	-0.8729	-0.7639
0.650	-1.4961	-1.4705	-1.0603	-0.8696	-0.7605
0.675	*******	-1.4606	-1.0145	-0.8643	-0.7410
0.700	-1.5023	-1.4407	-0.9932	-0.8517	-0.7353
0.725	*******	-1.4482	*******	-0.8344	-0.7217
0.750	-1.5530	-1.4598	*******	-0.8056	-0.7139
0.775	*******	-1.4904	-0.8805	-0.7960	-0.6909
0.800	-1.5285	-1.5319	-0.8530	-0.7846	*******
0.825	*******	-1.4981	-0.8340	-0.7733	-0.6643
0.850	-1.4125	-1.4309	-0.8281	-0.7745	-0.6424
0.875	*******	-1.3717	-0.7365	-0.7614	-0.6338
0.900	-1.3730	-1.3622	-0.7180	-0.7394	*******
0.925	*******	-1.3675	-0.6911	-0.7354	-0.6000
0.950	-1.4091	-1.3692	-0.6702	-0.7280	-0.5562
0.975	*******	-1.3686	-0.6614	-0.7091	-0.5187

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.5893	0.5196	0.4801	*******	-0.5396
-0.400	0.5863	0.5249	0.4532	0.2355	-0.5856
-0.600	*******	0.5244	0.4480	0.2673	-0.5649
-0.700	*******	0.5209	0.4509	0.2743	-0.5292
-0.800	0.5299	0.4957	0.4355	0.2918	-0.4511
-0.850	0.4791	0.4438	0.4237	0.2890	-0.4317
-0.900	0.4049	0.3986	0.3819	0.2723	-0.3779
-0.950	*******	*******	0.2622	0.1969	-0.1325
-0.975	*******	0.0921	0.1218	0.0776	-0.1104

Surface Pressures



Sharp Radius L.E.

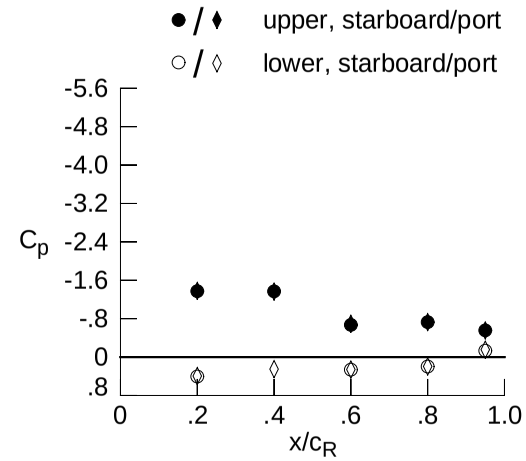
Run No. = 83 , Point No. = 1810

C_N = 1.076, C_m = -0.1733

α = 24.0 °, M_∞ = 0.849

$R_{mac} = 11.7 \times 10^6$

Surface Pressures Near Leading Edge

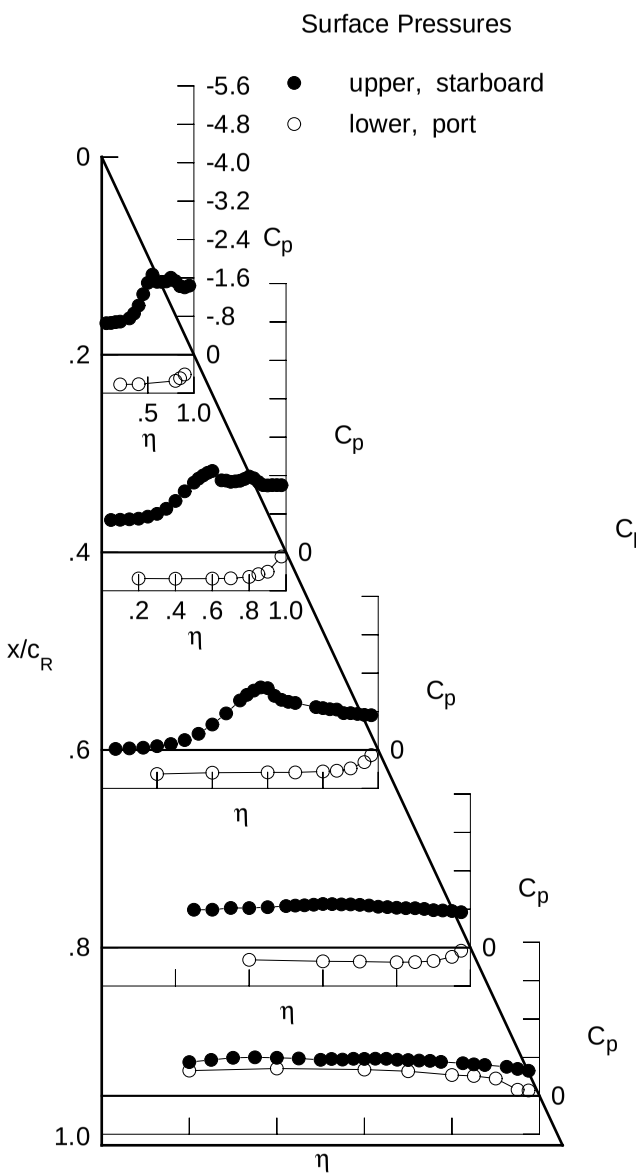


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.3730	-1.3795	0.3942	0.4049
0.40	0.95	-1.3692	-1.3649	0.2512	*******
0.60	0.95	-0.6702	-0.6951	0.2593	0.2622
0.80	0.95	-0.7280	-0.7278	0.1955	0.1969
0.95	0.95	-0.5562	-0.5560	-0.1550	-0.1325

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.6568	-0.6742	-0.0214	*******	*******
0.100	-0.6616	-0.6790	-0.0325	*******	*******
0.150	-0.6792	-0.6892	-0.0470	*******	*******
0.200	-0.6896	-0.7012	-0.0788	*******	-0.7032
0.250	*******	-0.7443	-0.1234	-0.7886	-0.7491
0.300	-0.7565	-0.8021	-0.2062	-0.7898	-0.7928
0.350	-0.8587	-0.9081	-0.3365	-0.8265	-0.8022
0.400	-1.0237	-1.0709	-0.5305	-0.8243	-0.7929
0.450	-1.2618	-1.2717	-0.7617	-0.8426	-0.7787
0.500	-1.4974	-1.4526	-1.0311	-0.8656	-0.7503
0.525	*******	-1.5359	-1.1480	-0.8753	-0.7678
0.550	-1.6682	-1.6014	-1.2368	-0.8820	-0.7554
0.575	*******	-1.6574	-1.3031	-0.8940	-0.7721
0.600	-1.5187	-1.6961	-1.2879	-0.9088	-0.7697
0.625	*******	*******	-1.1272	-0.9061	-0.7732
0.650	-1.5183	-1.5009	-1.0447	-0.8999	-0.7718
0.675	*******	-1.4953	-1.0020	-0.8998	-0.7521
0.700	-1.5270	-1.4696	-0.9791	-0.8908	-0.7453
0.725	*******	-1.4788	*******	-0.8766	-0.7352
0.750	-1.6032	-1.4922	*******	-0.8524	-0.7285
0.775	*******	-1.5296	-0.8928	-0.8442	-0.7075
0.800	-1.5336	-1.5799	-0.8716	-0.8305	*******
0.825	*******	-1.5435	-0.8488	-0.8215	-0.6790
0.850	-1.4292	-1.4659	-0.8425	-0.8210	-0.6558
0.875	*******	-1.4013	-0.7669	-0.8060	-0.6426
0.900	-1.4030	-1.3946	-0.7670	-0.7799	*******
0.925	*******	-1.4010	-0.7505	-0.7737	-0.6047
0.950	-1.4386	-1.4010	-0.7307	-0.7620	-0.5612
0.975	*******	-1.3989	-0.7241	-0.7376	-0.5224

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.6192	0.5443	0.5007	*******	-0.5252
-0.400	0.6143	0.5488	0.4737	0.2540	-0.5692
-0.600	*******	0.5467	0.4667	0.2854	-0.5472
-0.700	*******	0.5410	0.4676	0.2906	-0.5124
-0.800	0.5447	0.5112	0.4484	0.3048	-0.4335
-0.850	0.4896	0.4543	0.4327	0.3012	-0.4143
-0.900	0.4109	0.4036	0.3839	0.2786	-0.3609
-0.950	*******	*******	0.2531	0.1926	-0.1262
-0.975	*******	0.0854	0.1062	0.0652	-0.1120



Sharp Radius L.E.

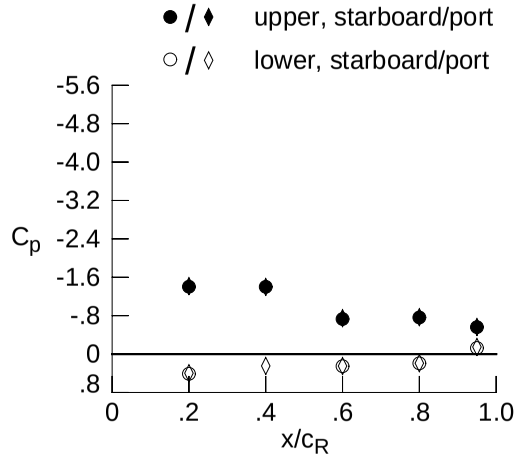
Run No. = 83 , Point No. = 1811

C_N = 1.128, C_m = -0.1781

α = 25.1 °, M_∞ = 0.849

$R_{mac} = 11.7 \times 10^6$

Surface Pressures Near Leading Edge

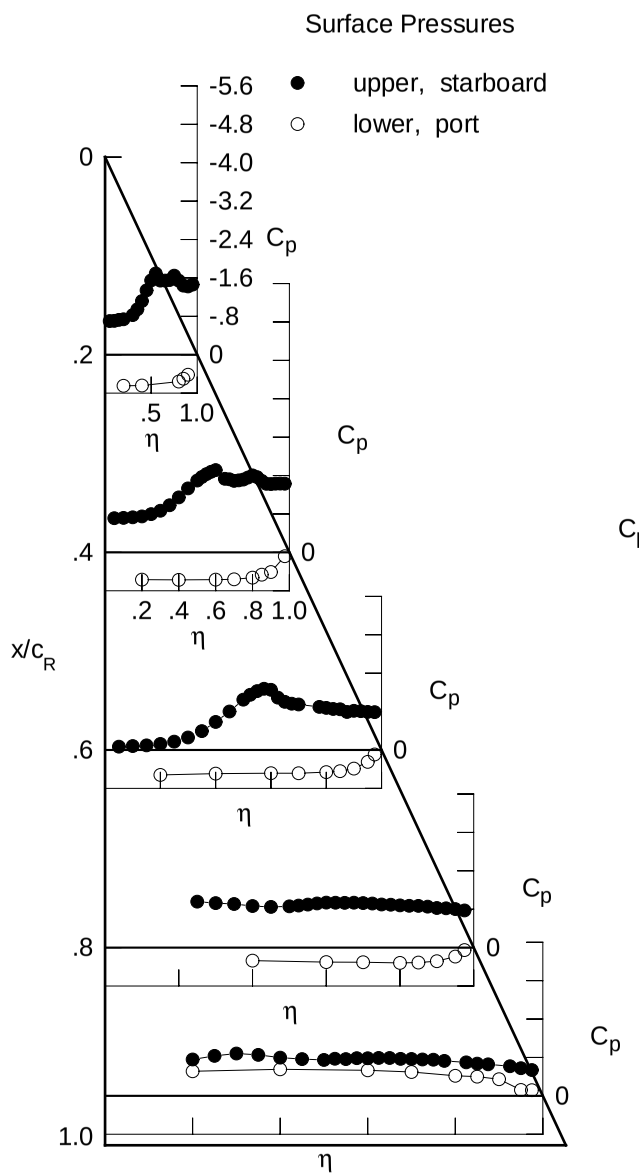


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.4030	-1.4157	0.3988	0.4109
0.40	0.95	-1.4010	-1.3985	0.2473	*******
0.60	0.95	-0.7307	-0.7481	0.2499	0.2531
0.80	0.95	-0.7620	-0.7691	0.1903	0.1926
0.95	0.95	-0.5612	-0.5637	-0.1484	-0.1262

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.7017	-0.7122	-0.0691	*******	*******
0.100	-0.7058	-0.7181	-0.0815	*******	*******
0.150	-0.7264	-0.7305	-0.0962	*******	*******
0.200	-0.7386	-0.7488	-0.1257	*******	-0.7574
0.250	*******	-0.7972	-0.1738	-0.9578	-0.8328
0.300	-0.8260	-0.8672	-0.2602	-0.9270	-0.8817
0.350	-0.9455	-0.9812	-0.3926	-0.9091	-0.8540
0.400	-1.1182	-1.1456	-0.5838	-0.8661	-0.7961
0.450	-1.3412	-1.3328	-0.8017	-0.8479	-0.7656
0.500	-1.5481	-1.4960	-1.0479	-0.8596	-0.7482
0.525	*******	-1.5696	-1.1496	-0.8760	-0.7732
0.550	-1.6924	-1.6303	-1.2263	-0.8971	-0.7656
0.575	*******	-1.6781	-1.2751	-0.9200	-0.7848
0.600	-1.5443	-1.7141	-1.2533	-0.9373	-0.7833
0.625	*******	*******	-1.0905	-0.9351	-0.7893
0.650	-1.5449	-1.5327	-1.0032	-0.9331	-0.7891
0.675	*******	-1.5224	-0.9644	-0.9359	-0.7706
0.700	-1.5561	-1.4894	-0.9483	-0.9280	-0.7683
0.725	*******	-1.4999	*******	-0.9186	-0.7572
0.750	-1.6468	-1.5168	*******	-0.8987	-0.7525
0.775	*******	-1.5582	-0.8978	-0.8932	-0.7279
0.800	-1.5429	-1.6037	-0.8766	-0.8800	*******
0.825	*******	-1.5671	-0.8542	-0.8709	-0.6973
0.850	-1.4391	-1.4904	-0.8478	-0.8697	-0.6711
0.875	*******	-1.4284	-0.7918	-0.8533	-0.6567
0.900	-1.4221	-1.4229	-0.8158	-0.8258	*******
0.925	*******	-1.4315	-0.8091	-0.8193	-0.6168
0.950	-1.4611	-1.4332	-0.7924	-0.8035	-0.5762
0.975	*******	-1.4305	-0.7881	-0.7745	-0.5378

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.6472	0.5683	0.5199	*******	-0.5118
-0.400	0.6419	0.5729	0.4929	0.2709	-0.5530
-0.600	*******	0.5682	0.4842	0.3020	-0.5320
-0.700	*******	0.5613	0.4848	0.3046	-0.4971
-0.800	0.5593	0.5266	0.4615	0.3187	-0.4180
-0.850	0.5002	0.4651	0.4417	0.3108	-0.4001
-0.900	0.4170	0.4092	0.3879	0.2829	-0.3461
-0.950	*******	*******	0.2479	0.1868	-0.1227
-0.975	*******	0.0800	0.0939	0.0514	-0.1177



Sharp Radius L.E.

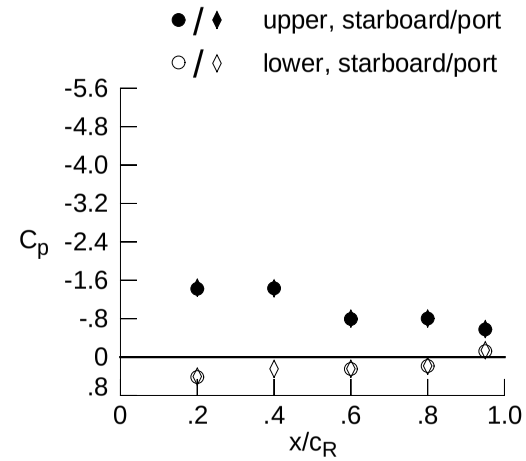
Run No. = 83 , Point No. = 1812

C_N = 1.175, C_m = -0.1847

α = 26.1 °, M_∞ = 0.849

$R_{mac} = 11.7 \times 10^6$

Surface Pressures Near Leading Edge



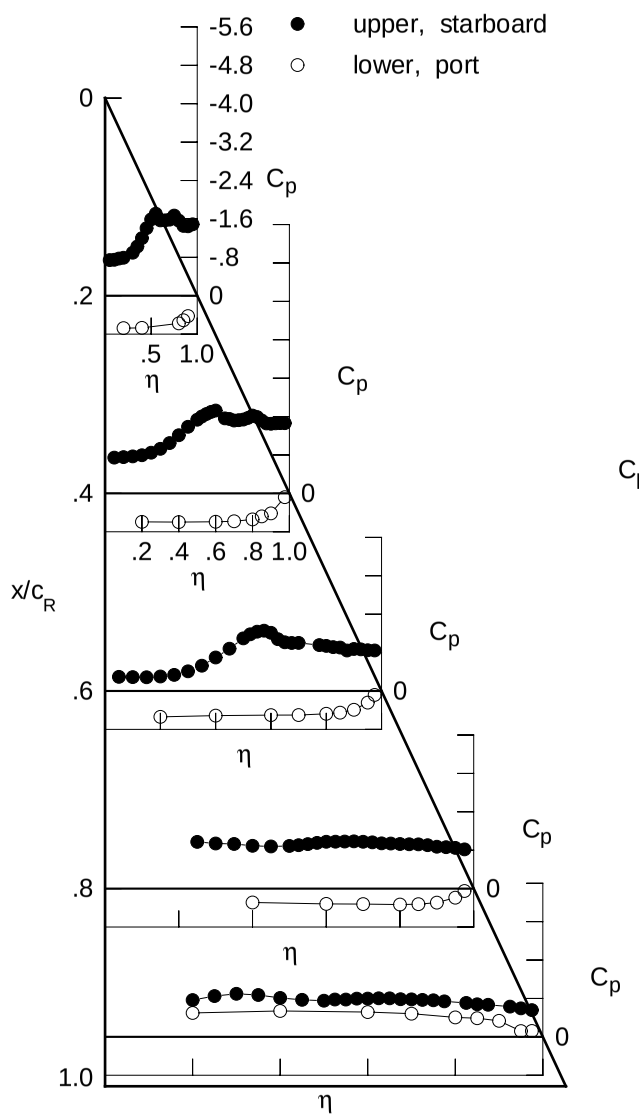
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.4221	-1.4471	0.4044	0.4170
0.40	0.95	-1.4332	-1.4324	0.2457	*******
0.60	0.95	-0.7924	-0.8021	0.2425	0.2479
0.80	0.95	-0.8035	-0.8037	0.1844	0.1868
0.95	0.95	-0.5762	-0.5832	-0.1434	-0.1227

Table C2. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.7427	-0.7451	-0.2946	*******	*******
0.100	-0.7490	-0.7553	-0.2888	*******	*******
0.150	-0.7747	-0.7702	-0.2852	*******	*******
0.200	-0.7912	-0.7947	-0.3018	*******	-0.7664
0.250	*******	-0.8473	-0.3350	-0.9733	-0.8496
0.300	-0.8961	-0.9284	-0.4097	-0.9403	-0.8970
0.350	-1.0256	-1.0481	-0.5262	-0.9308	-0.8720
0.400	-1.2003	-1.2116	-0.6972	-0.8921	-0.8107
0.450	-1.4071	-1.3869	-0.8804	-0.8782	-0.7708
0.500	-1.5901	-1.5340	-1.0960	-0.8887	-0.7524
0.525	*******	-1.6013	-1.1809	-0.9049	-0.7776
0.550	-1.7085	-1.6538	-1.2353	-0.9273	-0.7771
0.575	*******	-1.6968	-1.2558	-0.9526	-0.7957
0.600	-1.5694	-1.7254	-1.2121	-0.9759	-0.7966
0.625	*******	*******	-1.0789	-0.9779	-0.8035
0.650	-1.5705	-1.5622	-1.0145	-0.9805	-0.8024
0.675	*******	-1.5493	-0.9998	-0.9847	-0.7843
0.700	-1.5848	-1.5180	-1.0016	-0.9761	-0.7808
0.725	*******	-1.5250	*******	-0.9640	-0.7698
0.750	-1.6697	-1.5377	*******	-0.9428	-0.7617
0.775	*******	-1.5713	-0.9561	-0.9394	-0.7395
0.800	-1.5647	-1.6206	-0.9391	-0.9300	*******
0.825	*******	-1.5902	-0.9138	-0.9237	-0.7063
0.850	-1.4554	-1.5180	-0.9045	-0.9221	-0.6787
0.875	*******	-1.4568	-0.8434	-0.9045	-0.6677
0.900	-1.4464	-1.4496	-0.8749	-0.8730	*******
0.925	*******	-1.4589	-0.8675	-0.8631	-0.6294
0.950	-1.4881	-1.4629	-0.8485	-0.8485	-0.5939
0.975	*******	-1.4621	-0.8441	-0.8178	-0.5565

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.6754	0.5937	0.5395	*******	-0.4979
-0.400	0.6697	0.5984	0.5134	0.2887	-0.5390
-0.600	*******	0.5916	0.5029	0.3186	-0.5164
-0.700	*******	0.5820	0.5015	0.3221	-0.4827
-0.800	0.5760	0.5428	0.4756	0.3320	-0.4046
-0.850	0.5114	0.4788	0.4522	0.3241	-0.3879
-0.900	0.4241	0.4164	0.3917	0.2918	-0.3335
-0.950	*******	*******	0.2426	0.1886	-0.1201
-0.975	*******	0.0790	0.0821	0.0495	-0.1223

Surface Pressures



Sharp Radius L.E.

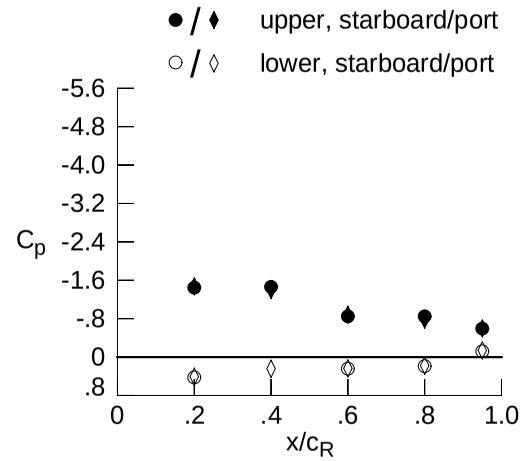
Run No. = 83 , Point No. = 1813

C_N = 1.215, C_m = -0.1936

α = 27.1 °, M_∞ = 0.848

$R_{mac} = 11.7 \times 10^6$

Surface Pressures Near Leading Edge



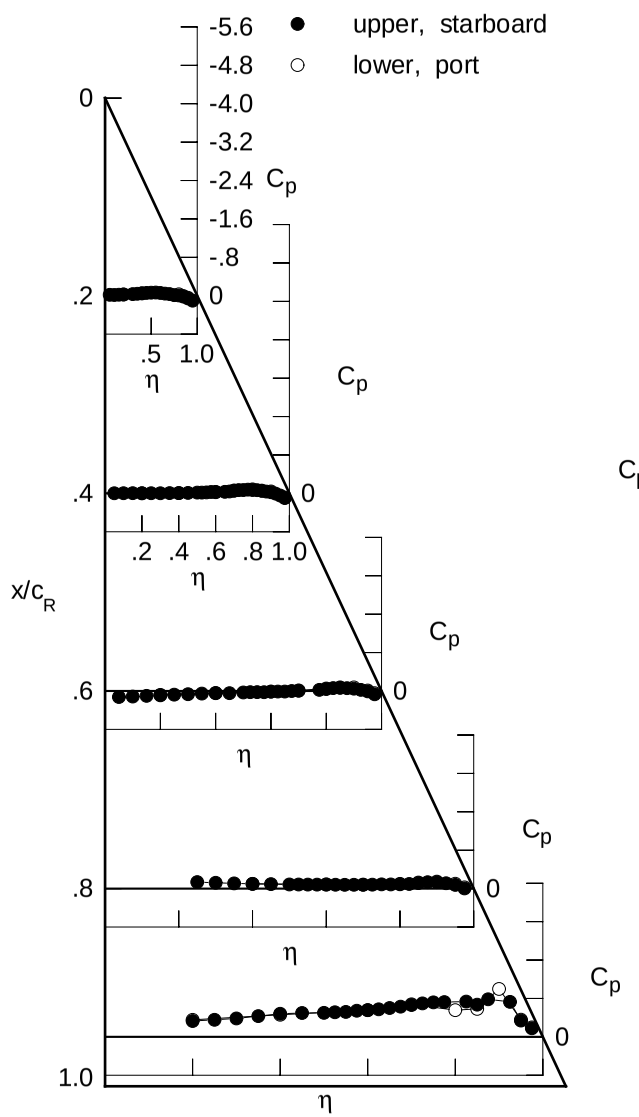
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.4464	-1.4740	0.4087	0.4241
0.40	0.95	-1.4629	-1.3977	0.2433	*******
0.60	0.95	-0.8485	-0.8859	0.2342	0.2426
0.80	0.95	-0.8485	-0.7790	0.1779	0.1886
0.95	0.95	-0.5939	-0.5984	-0.1406	-0.1201

Table C2. Concluded.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.0194	-0.0026	0.1259	*******	*******
0.100	-0.0155	-0.0034	0.1164	*******	*******
0.150	-0.0207	-0.0044	0.1019	*******	*******
0.200	-0.0256	-0.0024	0.0907	*******	-0.3297
0.250	*******	-0.0034	0.0772	-0.1358	-0.3552
0.300	-0.0335	-0.0022	0.0672	-0.1216	-0.3833
0.350	-0.0408	-0.0058	0.0544	-0.1090	-0.4316
0.400	-0.0496	-0.0065	0.0462	-0.0994	-0.4809
0.450	-0.0585	-0.0092	0.0455	-0.0940	-0.4965
0.500	-0.0636	-0.0158	0.0314	-0.0863	-0.5003
0.525	*******	-0.0163	0.0244	-0.0858	-0.5123
0.550	-0.0662	-0.0196	0.0241	-0.0840	-0.5192
0.575	*******	-0.0290	0.0252	-0.0829	-0.5436
0.600	-0.0573	-0.0305	0.0142	-0.0816	-0.5555
0.625	*******	*******	0.0121	-0.0807	-0.5733
0.650	-0.0439	-0.0323	0.0122	-0.0796	-0.6010
0.675	*******	-0.0395	0.0007	-0.0802	-0.6288
0.700	-0.0346	-0.0552	-0.0050	-0.0801	-0.6634
0.725	*******	-0.0676	*******	-0.0827	-0.6968
0.750	-0.0122	-0.0690	*******	-0.0890	-0.7182
0.775	*******	-0.0772	-0.0231	-0.0873	-0.7244
0.800	-0.0059	-0.0705	-0.0409	-0.0907	*******
0.825	*******	-0.0661	-0.0604	-0.0966	-0.7346
0.850	0.0182	-0.0539	-0.0644	-0.1162	-0.6706
0.875	*******	-0.0375	-0.0584	-0.1338	-0.7822
0.900	0.0559	-0.0243	-0.0483	-0.1346	*******
0.925	*******	0.0049	-0.0234	-0.1117	-0.7290
0.950	0.1035	0.0448	0.0077	-0.0780	-0.3389
0.975	*******	0.0977	0.0684	-0.0036	-0.1787

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	-0.0253	-0.0016	0.0818	*******	-0.3546
-0.400	-0.0504	-0.0056	0.0418	-0.0993	-0.4596
-0.600	*******	-0.0242	0.0125	-0.0897	-0.5569
-0.700	*******	-0.0596	-0.0111	-0.0831	-0.6775
-0.800	-0.0295	-0.0835	-0.0512	-0.0991	-0.5560
-0.850	0.0074	-0.0567	-0.0751	-0.1267	-0.5823
-0.900	0.0422	-0.0399	-0.0742	-0.1456	-0.9977
-0.950	*******	*******	-0.0096	-0.1015	-0.3574
-0.975	*******	0.0858	0.0458	-0.0263	-0.1965

Surface Pressures



Sharp Radius L.E.

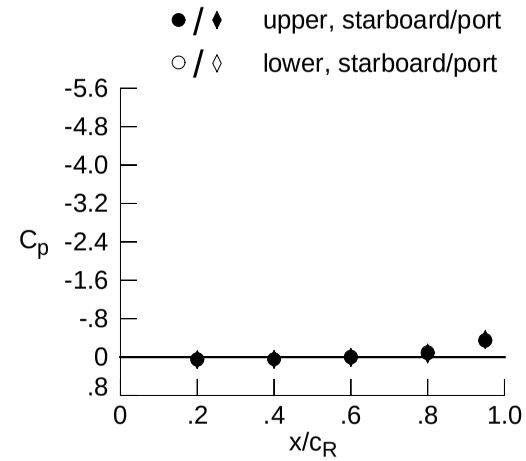
Run No. = 83 , Point No. = 1814

C_N = -0.002, C_m = -0.0055

α = 0.0 °, M_∞ = 0.849

R_{mac} = 11.7×10^6

Surface Pressures Near Leading Edge



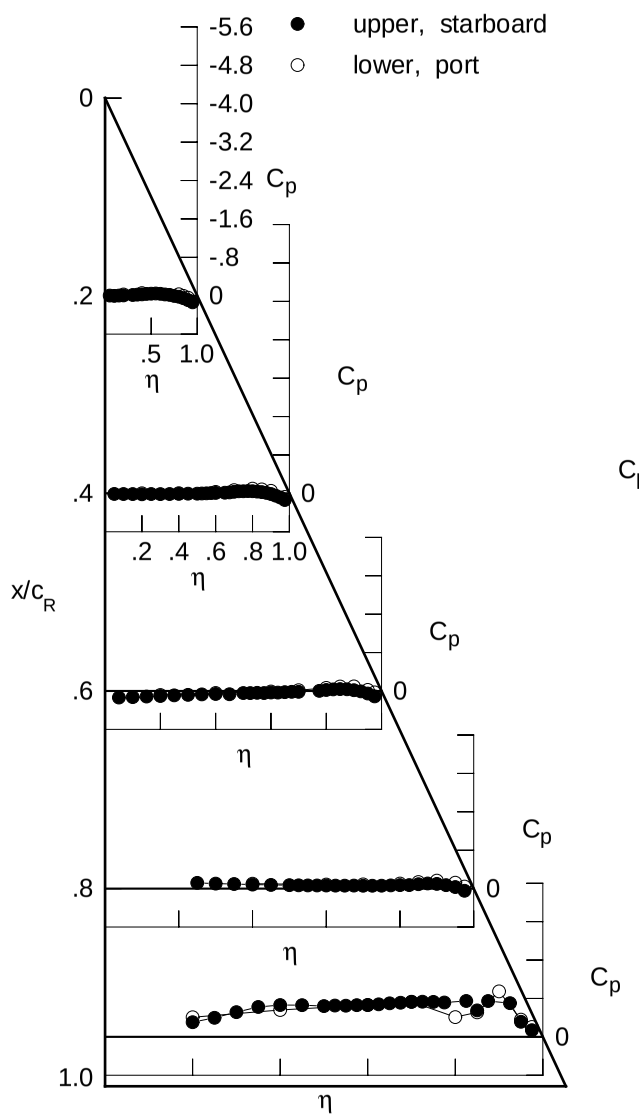
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	0.0559	0.0588	0.0476	0.0422
0.40	0.95	0.0448	0.0522	0.0415	*******
0.60	0.95	0.0077	0.0155	-0.0017	-0.0096
0.80	0.95	-0.0780	-0.0598	-0.0904	-0.1015
0.95	0.95	-0.3389	-0.3549	-0.3740	-0.3574

Table C3. Tabulations and Plots of Surface Pressure Coefficients.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.0036	0.0122	0.1365	*******	*******
0.100	0.0029	0.0133	0.1282	*******	*******
0.150	-0.0035	0.0143	0.1160	*******	*******
0.200	-0.0060	0.0189	0.1045	*******	-0.3048
0.250	*******	0.0138	0.0913	-0.1197	-0.3971
0.300	-0.0148	0.0153	0.0809	-0.1041	-0.5144
0.350	-0.0221	0.0133	0.0710	-0.0959	-0.6223
0.400	-0.0279	0.0107	0.0621	-0.0839	-0.6624
0.450	-0.0373	0.0062	0.0679	-0.0771	-0.6603
0.500	-0.0421	0.0065	0.0434	-0.0716	-0.6407
0.525	*******	0.0027	0.0440	-0.0691	-0.6521
0.550	-0.0463	-0.0008	0.0388	-0.0665	-0.6489
0.575	*******	-0.0063	0.0430	-0.0658	-0.6602
0.600	-0.0401	-0.0099	0.0320	-0.0651	-0.6634
0.625	*******	*******	0.0333	-0.0620	-0.6773
0.650	-0.0266	-0.0133	0.0246	-0.0613	-0.6986
0.675	*******	-0.0200	0.0179	-0.0633	-0.7102
0.700	-0.0174	-0.0331	0.0173	-0.0601	-0.7282
0.725	*******	-0.0430	*******	-0.0603	-0.7318
0.750	0.0040	-0.0439	*******	-0.0608	-0.7279
0.775	*******	-0.0484	-0.0027	-0.0670	-0.7149
0.800	0.0208	-0.0452	-0.0208	-0.0725	*******
0.825	*******	-0.0371	-0.0330	-0.0734	-0.7475
0.850	0.0515	-0.0265	-0.0388	-0.0922	-0.5514
0.875	*******	-0.0106	-0.0353	-0.1069	-0.7461
0.900	0.0915	0.0132	-0.0156	-0.0983	*******
0.925	*******	0.0474	0.0083	-0.0720	-0.7014
0.950	0.1378	0.0851	0.0529	-0.0330	-0.3135
0.975	*******	0.1384	0.1130	0.0450	-0.1381

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	-0.0253	-0.0018	0.0838	*******	-0.4079
-0.400	-0.0544	-0.0042	0.0415	-0.1023	-0.5595
-0.600	*******	-0.0301	0.0114	-0.0851	-0.6635
-0.700	*******	-0.0675	-0.0157	-0.0879	-0.7309
-0.800	-0.0306	-0.0981	-0.0639	-0.1057	-0.4112
-0.850	0.0033	-0.0827	-0.0924	-0.1365	-0.5103
-0.900	0.0404	-0.0527	-0.0949	-0.1661	-0.9472
-0.950	*******	*******	-0.0224	-0.1230	-0.3586
-0.975	*******	0.0746	0.0294	-0.0424	-0.2060

Surface Pressures



Sharp Radius L.E.

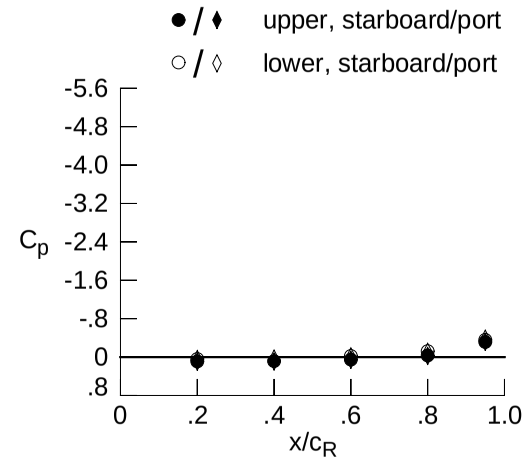
Run No. = 93 , Point No. = 2055

C_N = -0.035, C_m = 0.0118

α = -0.6 °, M_∞ = 0.850

$R_{mac} = 36.2 \times 10^6$

Surface Pressures Near Leading Edge

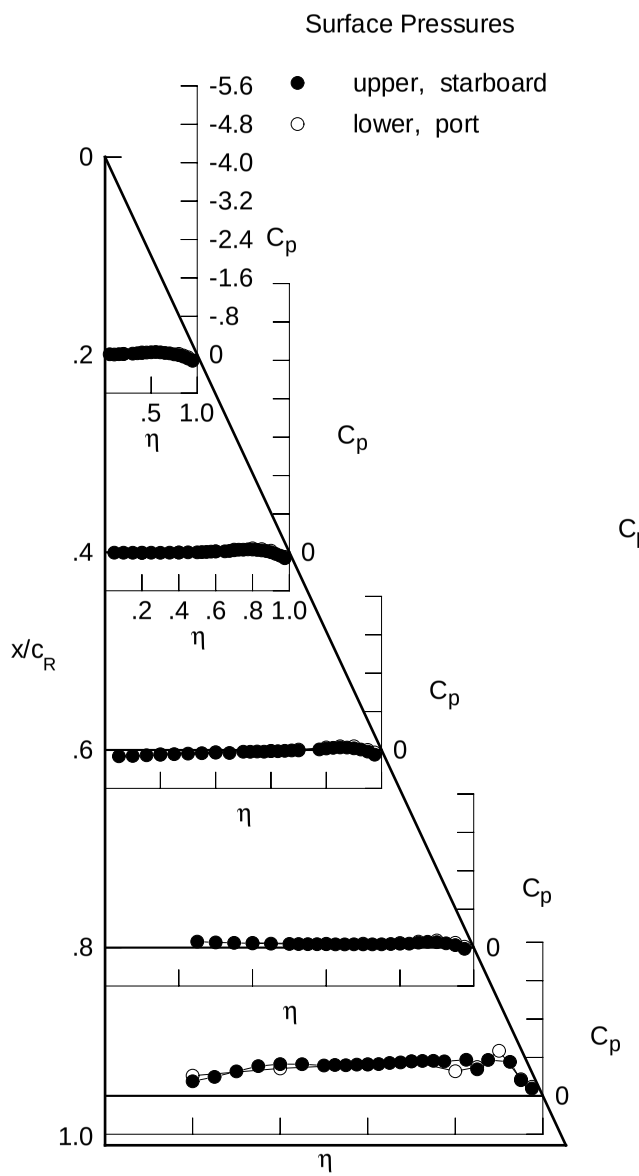


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	0.0915	0.0960	0.0406	0.0404
0.40	0.95	0.0851	0.0909	0.0306	*******
0.60	0.95	0.0529	0.0553	-0.0153	-0.0224
0.80	0.95	-0.0330	-0.0226	-0.1102	-0.1230
0.95	0.95	-0.3135	-0.3174	-0.3838	-0.3586

Table C3. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.0098	0.0061	0.1311	*******	*******
0.100	-0.0038	0.0070	0.1237	*******	*******
0.150	-0.0108	0.0078	0.1102	*******	*******
0.200	-0.0137	0.0117	0.1003	*******	-0.3032
0.250	*******	0.0070	0.0869	-0.1250	-0.3941
0.300	-0.0224	0.0087	0.0758	-0.1079	-0.5096
0.350	-0.0302	0.0067	0.0668	-0.0994	-0.6190
0.400	-0.0356	0.0034	0.0561	-0.0880	-0.6609
0.450	-0.0458	-0.0005	0.0624	-0.0828	-0.6588
0.500	-0.0514	-0.0008	0.0364	-0.0766	-0.6319
0.525	*******	-0.0053	0.0379	-0.0743	-0.6434
0.550	-0.0572	-0.0089	0.0317	-0.0721	-0.6377
0.575	*******	-0.0150	0.0360	-0.0710	-0.6505
0.600	-0.0496	-0.0191	0.0244	-0.0713	-0.6515
0.625	*******	*******	0.0254	-0.0677	-0.6619
0.650	-0.0369	-0.0214	0.0176	-0.0671	-0.6850
0.675	*******	-0.0298	0.0099	-0.0688	-0.6964
0.700	-0.0290	-0.0439	0.0091	-0.0678	-0.7188
0.725	*******	-0.0554	*******	-0.0678	-0.7273
0.750	-0.0077	-0.0555	*******	-0.0687	-0.7299
0.775	*******	-0.0627	-0.0115	-0.0753	-0.7185
0.800	0.0091	-0.0591	-0.0311	-0.0813	*******
0.825	*******	-0.0510	-0.0447	-0.0825	-0.7512
0.850	0.0388	-0.0412	-0.0525	-0.1041	-0.5530
0.875	*******	-0.0275	-0.0508	-0.1214	-0.7479
0.900	0.0792	-0.0035	-0.0344	-0.1138	*******
0.925	*******	0.0314	-0.0099	-0.0900	-0.7083
0.950	0.1260	0.0690	0.0337	-0.0524	-0.3265
0.975	*******	0.1219	0.0985	0.0252	-0.1529

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	-0.0182	0.0061	0.0897	*******	-0.4199
-0.400	-0.0472	0.0030	0.0467	-0.0981	-0.5714
-0.600	*******	-0.0216	0.0187	-0.0798	-0.6584
-0.700	*******	-0.0567	-0.0080	-0.0815	-0.7175
-0.800	-0.0173	-0.0837	-0.0524	-0.0959	-0.5126
-0.850	0.0167	-0.0669	-0.0764	-0.1246	-0.5997
-0.900	0.0525	-0.0344	-0.0765	-0.1486	-0.9381
-0.950	*******	*******	-0.0018	-0.1003	-0.3455
-0.975	*******	0.0938	0.0522	-0.0186	-0.1889



Sharp Radius L.E.

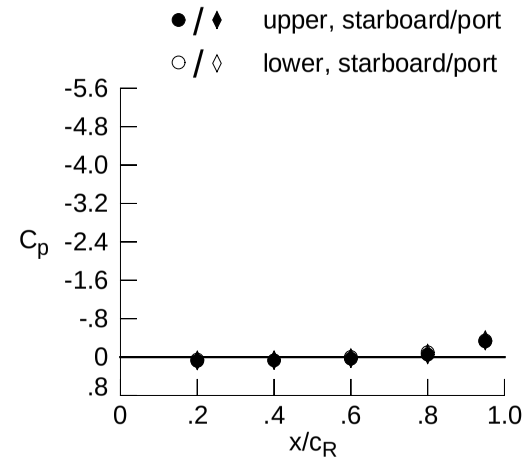
Run No. = 93 , Point No. = 2056

C_N = -0.022, C_m = 0.0094

α = -0.2 °, M_∞ = 0.849

$R_{mac} = 36.3 \times 10^6$

Surface Pressures Near Leading Edge



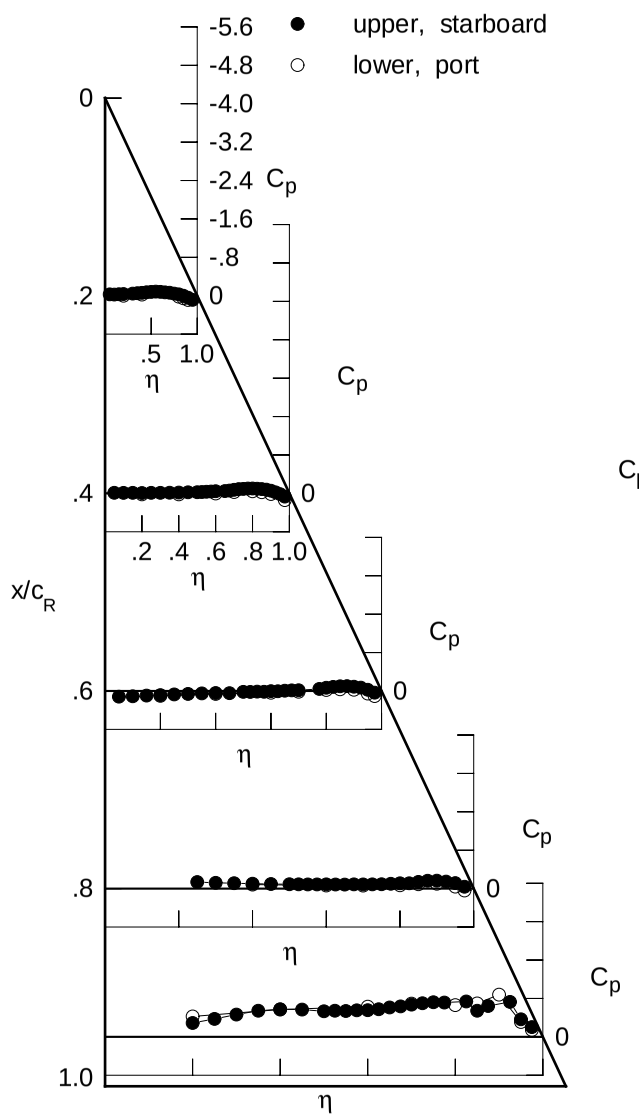
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	0.0792	0.0839	0.0540	0.0525
0.40	0.95	0.0690	0.0755	0.0507	*******
0.60	0.95	0.0337	0.0382	0.0058	-0.0018
0.80	0.95	-0.0524	-0.0410	-0.0865	-0.1003
0.95	0.95	-0.3265	-0.3311	-0.3683	-0.3455

Table C3. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.0291	-0.0123	0.1181	*******	*******
0.100	-0.0242	-0.0107	0.1103	*******	*******
0.150	-0.0315	-0.0109	0.0958	*******	*******
0.200	-0.0351	-0.0074	0.0861	*******	-0.2889
0.250	*******	-0.0116	0.0721	-0.1367	-0.3734
0.300	-0.0442	-0.0111	0.0614	-0.1209	-0.4639
0.350	-0.0529	-0.0139	0.0506	-0.1126	-0.5436
0.400	-0.0600	-0.0168	0.0427	-0.1023	-0.5747
0.450	-0.0718	-0.0223	0.0453	-0.0959	-0.5681
0.500	-0.0789	-0.0236	0.0187	-0.0914	-0.5325
0.525	*******	-0.0284	0.0200	-0.0894	-0.5440
0.550	-0.0855	-0.0338	0.0138	-0.0874	-0.5385
0.575	*******	-0.0386	0.0171	-0.0870	-0.5526
0.600	-0.0809	-0.0448	0.0041	-0.0885	-0.5551
0.625	*******	*******	0.0053	-0.0853	-0.5748
0.650	-0.0706	-0.0479	-0.0056	-0.0839	-0.6123
0.675	*******	-0.0586	-0.0130	-0.0885	-0.6347
0.700	-0.0628	-0.0744	-0.0152	-0.0870	-0.6713
0.725	*******	-0.0884	*******	-0.0888	-0.6996
0.750	-0.0441	-0.0929	*******	-0.0908	-0.7210
0.775	*******	-0.1012	-0.0426	-0.1005	-0.7144
0.800	-0.0291	-0.1017	-0.0668	-0.1114	*******
0.825	*******	-0.0965	-0.0851	-0.1116	-0.7369
0.850	-0.0001	-0.0899	-0.0973	-0.1398	-0.5441
0.875	*******	-0.0778	-0.1007	-0.1639	-0.6424
0.900	0.0404	-0.0549	-0.0887	-0.1654	*******
0.925	*******	-0.0215	-0.0696	-0.1466	-0.7283
0.950	0.0853	0.0172	-0.0256	-0.1153	-0.3657
0.975	*******	0.0668	0.0351	-0.0394	-0.2029

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.0001	0.0207	0.1015	*******	-0.4248
-0.400	-0.0239	0.0205	0.0616	-0.0842	-0.5690
-0.600	*******	0.0022	0.0368	-0.0648	-0.6290
-0.700	*******	-0.0278	0.0158	-0.0628	-0.6919
-0.800	0.0188	-0.0434	-0.0211	-0.0696	-0.6610
-0.850	0.0529	-0.0237	-0.0355	-0.0910	-0.6960
-0.900	0.0889	0.0139	-0.0253	-0.1019	-0.8789
-0.950	*******	*******	0.0534	-0.0415	-0.3096
-0.975	*******	0.1405	0.1066	0.0394	-0.1442

Surface Pressures



Sharp Radius L.E.

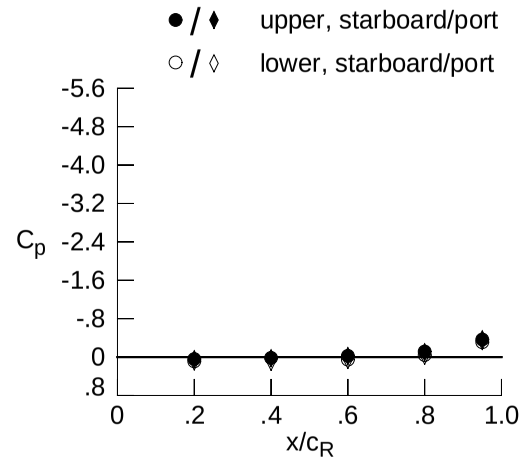
Run No. = 93 , Point No. = 2057

C_N = 0.019, C_m = 0.0034

α = 0.8 °, M_∞ = 0.849

$R_{mac} = 36.3 \times 10^6$

Surface Pressures Near Leading Edge



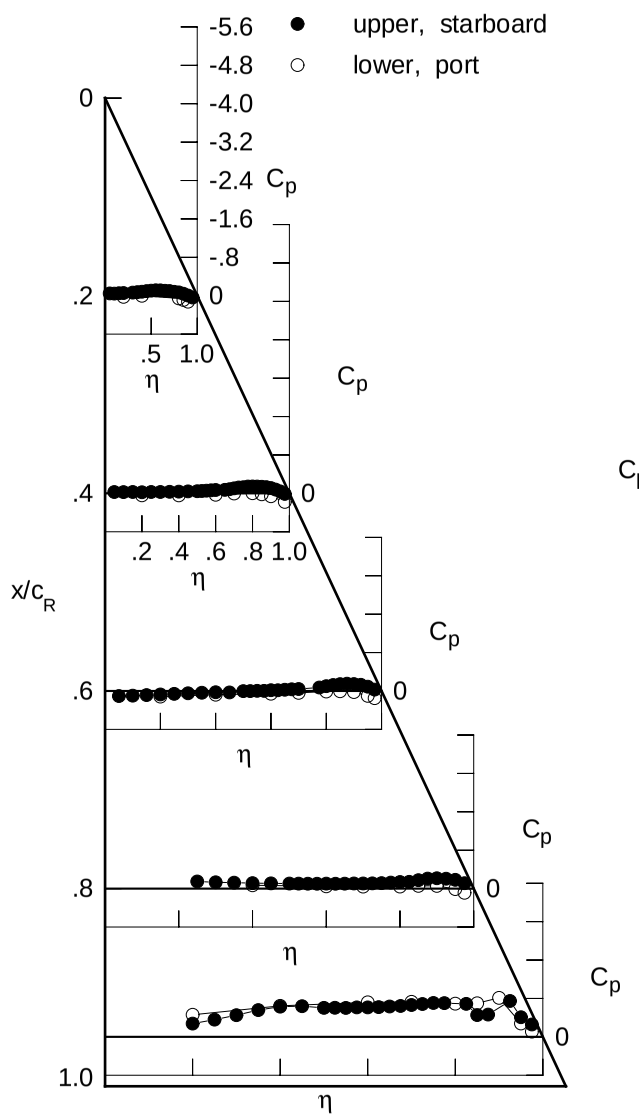
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	0.0404	0.0440	0.0906	0.0889
0.40	0.95	0.0172	0.0237	0.0988	*******
0.60	0.95	-0.0256	-0.0213	0.0598	0.0534
0.80	0.95	-0.1153	-0.1016	-0.0283	-0.0415
0.95	0.95	-0.3657	-0.3716	-0.3328	-0.3096

Table C3. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.0483	-0.0281	0.1056	*******	*******
0.100	-0.0439	-0.0265	0.0978	*******	*******
0.150	-0.0517	-0.0290	0.0853	*******	*******
0.200	-0.0560	-0.0232	0.0731	*******	-0.2759
0.250	*******	-0.0292	0.0597	-0.1487	-0.3581
0.300	-0.0649	-0.0290	0.0477	-0.1318	-0.4508
0.350	-0.0747	-0.0327	0.0368	-0.1244	-0.5576
0.400	-0.0829	-0.0357	0.0265	-0.1141	-0.6289
0.450	-0.0962	-0.0417	0.0300	-0.1096	-0.6387
0.500	-0.1054	-0.0444	0.0035	-0.1055	-0.6037
0.525	*******	-0.0497	0.0025	-0.1040	-0.6057
0.550	-0.1137	-0.0560	-0.0030	-0.1027	-0.6024
0.575	*******	-0.0637	-0.0023	-0.1019	-0.6137
0.600	-0.1121	-0.0706	-0.0160	-0.1038	-0.6136
0.625	*******	*******	-0.0151	-0.1017	-0.6189
0.650	-0.1030	-0.0732	-0.0256	-0.1031	-0.6324
0.675	*******	-0.0868	-0.0352	-0.1070	-0.6429
0.700	-0.0977	-0.1050	-0.0408	-0.1074	-0.6636
0.725	*******	-0.1225	*******	-0.1099	-0.6839
0.750	-0.0815	-0.1283	*******	-0.1143	-0.7058
0.775	*******	-0.1420	-0.0724	-0.1259	-0.7023
0.800	-0.0697	-0.1441	-0.1000	-0.1374	*******
0.825	*******	-0.1424	-0.1237	-0.1419	-0.6868
0.850	-0.0418	-0.1377	-0.1420	-0.1760	-0.4536
0.875	*******	-0.1294	-0.1520	-0.2090	-0.4640
0.900	-0.0039	-0.1103	-0.1441	-0.2157	*******
0.925	*******	-0.0792	-0.1291	-0.2064	-0.7476
0.950	0.0380	-0.0414	-0.0894	-0.1833	-0.4089
0.975	*******	0.0110	-0.0288	-0.1132	-0.2580

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.0233	0.0412	0.1167	*******	-0.4597
-0.400	0.0006	0.0414	0.0774	-0.0700	-0.6456
-0.600	*******	0.0288	0.0567	-0.0483	-0.7192
-0.700	*******	0.0023	0.0393	-0.0424	-0.7294
-0.800	0.0553	-0.0030	0.0116	-0.0434	-0.6911
-0.850	0.0882	0.0191	0.0056	-0.0578	-0.6995
-0.900	0.1238	0.0601	0.0226	-0.0569	-0.8123
-0.950	*******	*******	0.1016	0.0099	-0.2783
-0.975	*******	0.1773	0.1500	0.0867	-0.1087

Surface Pressures



Sharp Radius L.E.

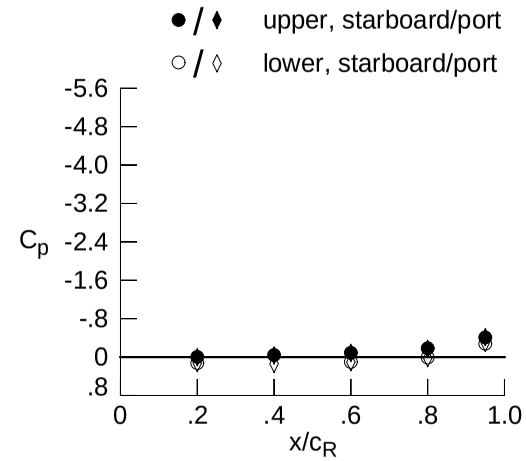
Run No. = 93 , Point No. = 2058

C_N = 0.063, C_m = -0.0056

α = 1.9 °, M_∞ = 0.850

$R_{mac} = 36.2 \times 10^6$

Surface Pressures Near Leading Edge



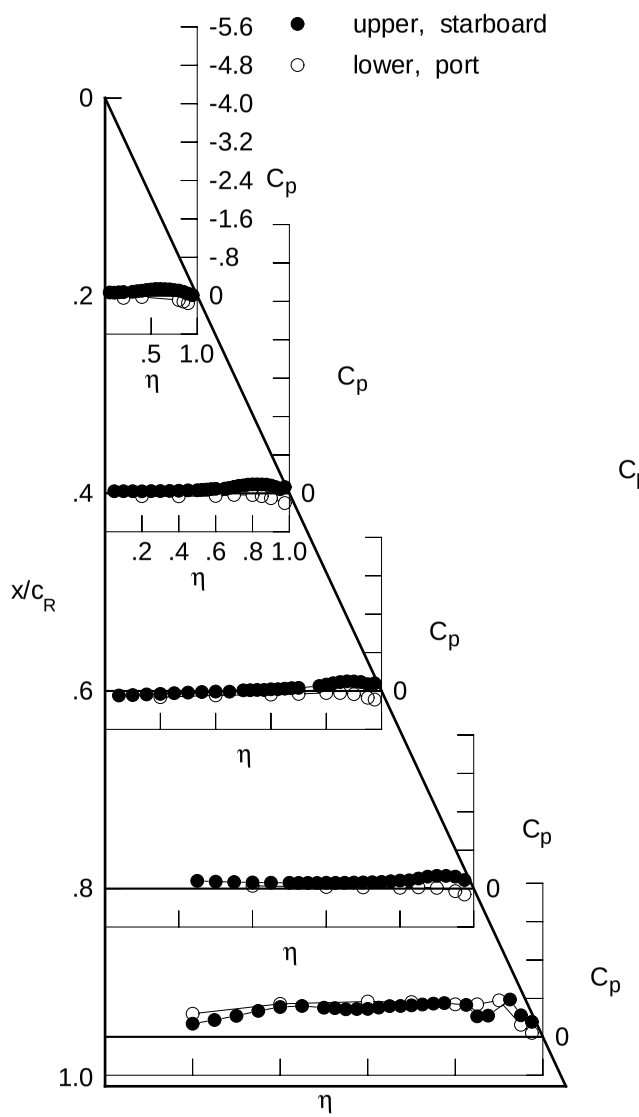
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.0039	0.0026	0.1257	0.1238
0.40	0.95	-0.0414	-0.0349	0.1401	*******
0.60	0.95	-0.0894	-0.0863	0.1065	0.1016
0.80	0.95	-0.1833	-0.1698	0.0220	0.0099
0.95	0.95	-0.4089	-0.4158	-0.2975	-0.2783

Table C3. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.0668	-0.0440	0.0943	*******	*******
0.100	-0.0632	-0.0448	0.0853	*******	*******
0.150	-0.0713	-0.0444	0.0720	*******	*******
0.200	-0.0758	-0.0422	0.0607	*******	-0.2736
0.250	*******	-0.0471	0.0467	-0.1620	-0.3511
0.300	-0.0823	-0.0477	0.0338	-0.1448	-0.4371
0.350	-0.0947	-0.0515	0.0218	-0.1373	-0.5407
0.400	-0.1037	-0.0555	0.0122	-0.1280	-0.6211
0.450	-0.1194	-0.0632	0.0148	-0.1234	-0.6431
0.500	-0.1294	-0.0646	-0.0135	-0.1209	-0.6075
0.525	*******	-0.0733	-0.0163	-0.1191	-0.5985
0.550	-0.1400	-0.0794	-0.0218	-0.1195	-0.5746
0.575	*******	-0.0884	-0.0210	-0.1184	-0.5802
0.600	-0.1402	-0.0954	-0.0356	-0.1225	-0.5821
0.625	*******	*******	-0.0371	-0.1205	-0.6086
0.650	-0.1364	-0.0999	-0.0483	-0.1224	-0.6401
0.675	*******	-0.1156	-0.0588	-0.1266	-0.6435
0.700	-0.1332	-0.1364	-0.0649	-0.1286	-0.6561
0.725	*******	-0.1557	*******	-0.1330	-0.6734
0.750	-0.1180	-0.1648	*******	-0.1398	-0.6921
0.775	*******	-0.1825	-0.1029	-0.1534	-0.7034
0.800	-0.1078	-0.1876	-0.1333	-0.1676	*******
0.825	*******	-0.1881	-0.1617	-0.1733	-0.6652
0.850	-0.0814	-0.1867	-0.1855	-0.2105	-0.4269
0.875	*******	-0.1822	-0.2006	-0.2498	-0.4417
0.900	-0.0447	-0.1632	-0.1985	-0.2663	*******
0.925	*******	-0.1320	-0.1865	-0.2656	-0.7775
0.950	-0.0117	-0.0858	-0.1404	-0.2494	-0.4492
0.975	*******	-0.1315	-0.1598	-0.1797	-0.3128

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.0446	0.0584	0.1297	*******	-0.4819
-0.400	0.0261	0.0608	0.0922	-0.0576	-0.6870
-0.600	*******	0.0528	0.0750	-0.0332	-0.7362
-0.700	*******	0.0320	0.0606	-0.0260	-0.7236
-0.800	0.0896	0.0344	0.0423	-0.0178	-0.6776
-0.850	0.1216	0.0576	0.0415	-0.0271	-0.6779
-0.900	0.1555	0.0998	0.0651	-0.0163	-0.7598
-0.950	*******	*******	0.1406	0.0528	-0.2510
-0.975	*******	0.2020	0.1791	0.1213	-0.0820

Surface Pressures



Sharp Radius L.E.

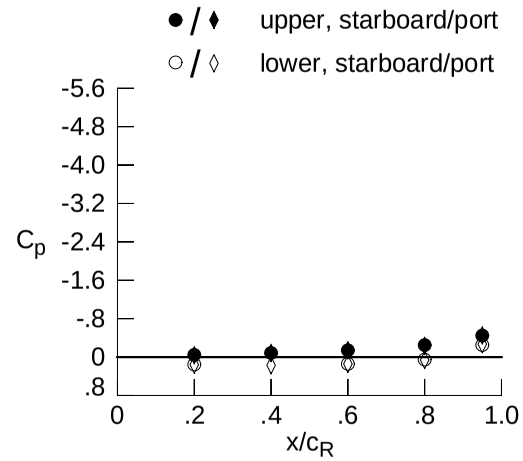
Run No. = 93 , Point No. = 2059

C_N = 0.103, C_m = -0.0119

α = 3.0 °, M_∞ = 0.850

$R_{mac} = 36.3 \times 10^6$

Surface Pressures Near Leading Edge



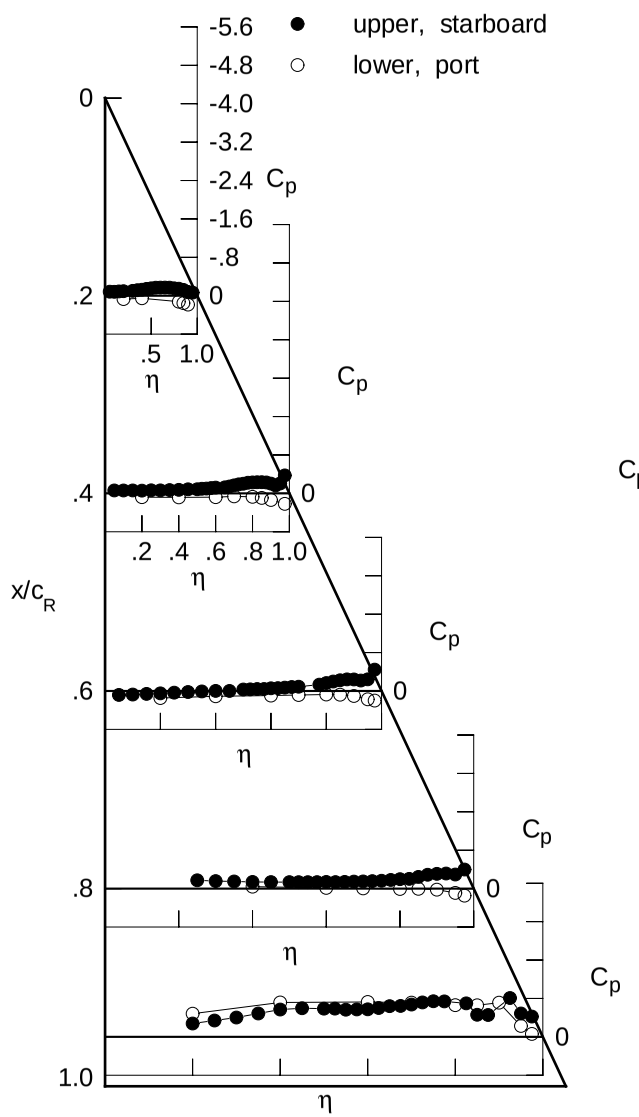
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.0447	-0.0384	0.1576	0.1555
0.40	0.95	-0.0858	-0.0840	0.1706	*******
0.60	0.95	-0.1404	-0.1423	0.1426	0.1406
0.80	0.95	-0.2494	-0.2319	0.0618	0.0528
0.95	0.95	-0.4492	-0.4521	-0.2696	-0.2510

Table C3. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.0843	-0.0610	0.0826	*******	*******
0.100	-0.0817	-0.0603	0.0747	*******	*******
0.150	-0.0895	-0.0606	0.0607	*******	*******
0.200	-0.0947	-0.0566	0.0497	*******	-0.2779
0.250	*******	-0.0638	0.0354	-0.1734	-0.3401
0.300	-0.1018	-0.0627	0.0214	-0.1571	-0.4023
0.350	-0.1152	-0.0688	0.0097	-0.1489	-0.4861
0.400	-0.1250	-0.0740	-0.0017	-0.1390	-0.5687
0.450	-0.1427	-0.0848	-0.0006	-0.1361	-0.5959
0.500	-0.1547	-0.0854	-0.0301	-0.1352	-0.5873
0.525	*******	-0.0961	-0.0333	-0.1342	-0.5880
0.550	-0.1670	-0.1004	-0.0407	-0.1340	-0.5659
0.575	*******	-0.1107	-0.0405	-0.1353	-0.5710
0.600	-0.1687	-0.1198	-0.0557	-0.1395	-0.5732
0.625	*******	*******	-0.0588	-0.1360	-0.6011
0.650	-0.1697	-0.1256	-0.0697	-0.1399	-0.6391
0.675	*******	-0.1433	-0.0822	-0.1468	-0.6437
0.700	-0.1679	-0.1666	-0.0892	-0.1497	-0.6724
0.725	*******	-0.1881	*******	-0.1557	-0.7167
0.750	-0.1545	-0.2011	*******	-0.1637	-0.7416
0.775	*******	-0.2213	-0.1320	-0.1811	-0.7385
0.800	-0.1468	-0.2281	-0.1648	-0.1969	*******
0.825	*******	-0.2317	-0.1972	-0.2029	-0.6972
0.850	-0.1214	-0.2326	-0.2235	-0.2442	-0.4601
0.875	*******	-0.2270	-0.2413	-0.2887	-0.4550
0.900	-0.0803	-0.2034	-0.2397	-0.3078	*******
0.925	*******	-0.1645	-0.2173	-0.3141	-0.8091
0.950	-0.0651	-0.2065	-0.2423	-0.2936	-0.4863
0.975	*******	-0.3741	-0.4451	-0.3975	-0.4222

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.0697	0.0792	0.1470	*******	-0.4823
-0.400	0.0532	0.0836	0.1107	-0.0412	-0.7161
-0.600	*******	0.0792	0.0957	-0.0150	-0.7262
-0.700	*******	0.0628	0.0841	-0.0050	-0.7128
-0.800	0.1238	0.0717	0.0734	0.0071	-0.6601
-0.850	0.1536	0.0944	0.0779	0.0039	-0.6573
-0.900	0.1848	0.1379	0.1044	0.0216	-0.7122
-0.950	*******	*******	0.1733	0.0894	-0.2274
-0.975	*******	0.2182	0.2004	0.1466	-0.0605

Surface Pressures



Sharp Radius L.E.

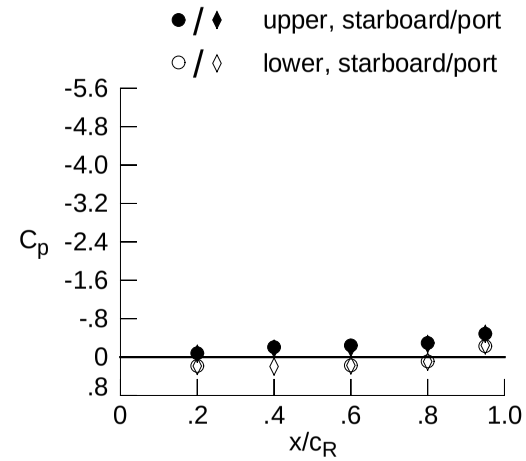
Run No. = 93 , Point No. = 2060

C_N = 0.149, C_m = -0.0204

α = 4.0 °, M_∞ = 0.847

$R_{mac} = 36.2 \times 10^6$

Surface Pressures Near Leading Edge

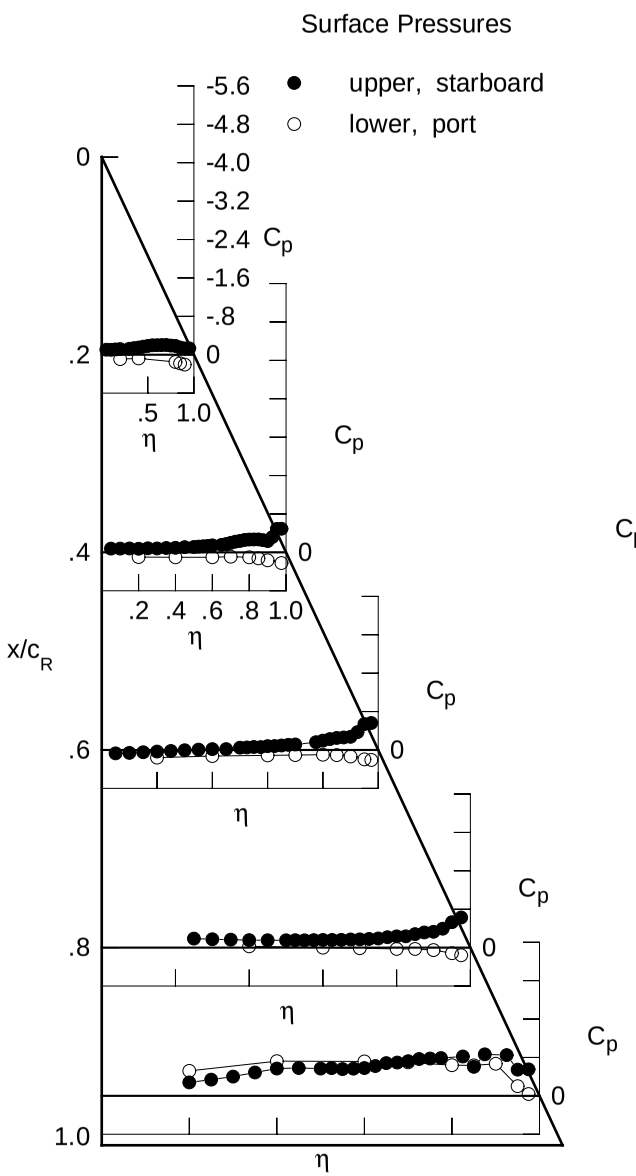


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.0803	-0.0707	0.1861	0.1848
0.40	0.95	-0.2065	-0.1755	0.1968	*******
0.60	0.95	-0.2423	-0.1919	0.1736	0.1733
0.80	0.95	-0.2936	-0.2717	0.0952	0.0894
0.95	0.95	-0.4863	-0.4850	-0.2438	-0.2274

Table C3. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.1050	-0.0785	0.0703	*******	*******
0.100	-0.1027	-0.0783	0.0604	*******	*******
0.150	-0.1104	-0.0812	0.0472	*******	*******
0.200	-0.1174	-0.0749	0.0331	*******	-0.2803
0.250	*******	-0.0845	0.0211	-0.1883	-0.3378
0.300	-0.1240	-0.0816	0.0054	-0.1741	-0.4012
0.350	-0.1372	-0.0911	-0.0072	-0.1657	-0.4867
0.400	-0.1496	-0.0951	-0.0179	-0.1562	-0.5687
0.450	-0.1678	-0.1088	-0.0176	-0.1536	-0.5802
0.500	-0.1822	-0.1121	-0.0482	-0.1531	-0.5682
0.525	*******	-0.1198	-0.0528	-0.1540	-0.5778
0.550	-0.1966	-0.1272	-0.0621	-0.1522	-0.5576
0.575	*******	-0.1345	-0.0601	-0.1558	-0.5666
0.600	-0.1987	-0.1461	-0.0798	-0.1602	-0.5793
0.625	*******	*******	-0.0817	-0.1599	-0.6206
0.650	-0.2011	-0.1557	-0.0940	-0.1618	-0.6817
0.675	*******	-0.1738	-0.1068	-0.1694	-0.6938
0.700	-0.2031	-0.1987	-0.1146	-0.1719	-0.7219
0.725	*******	-0.2229	*******	-0.1811	-0.7674
0.750	-0.1900	-0.2372	*******	-0.1903	-0.7772
0.775	*******	-0.2583	-0.1615	-0.2170	-0.7873
0.800	-0.1826	-0.2670	-0.1952	-0.2342	*******
0.825	*******	-0.2691	-0.2274	-0.2356	-0.8200
0.850	-0.1505	-0.2700	-0.2511	-0.2810	-0.6045
0.875	*******	-0.2540	-0.2606	-0.3160	-0.8650
0.900	-0.1313	-0.2352	-0.2745	-0.3294	*******
0.925	*******	-0.3170	-0.3720	-0.3942	-0.8490
0.950	-0.1328	-0.4879	-0.5402	-0.5295	-0.5455
0.975	*******	-0.4923	-0.5627	-0.6281	-0.5524

	x/c_R .2 $C_{p,l}$	x/c_R .4 $C_{p,l}$	x/c_R .6 $C_{p,l}$	x/c_R .8 $C_{p,l}$	x/c_R .95 $C_{p,l}$
-0.200	0.0913	0.0978	0.1595	*******	-0.5196
-0.400	0.0768	0.1030	0.1262	-0.0269	-0.7226
-0.600	*******	0.1018	0.1125	0.0006	-0.7165
-0.700	*******	0.0894	0.1060	0.0119	-0.6982
-0.800	0.1511	0.1025	0.0985	0.0276	-0.6384
-0.850	0.1794	0.1248	0.1075	0.0284	-0.6343
-0.900	0.2059	0.1657	0.1348	0.0511	-0.6687
-0.950	*******	*******	0.1950	0.1162	-0.2013
-0.975	*******	0.2226	0.2077	0.1595	-0.0375



Sharp Radius L.E.

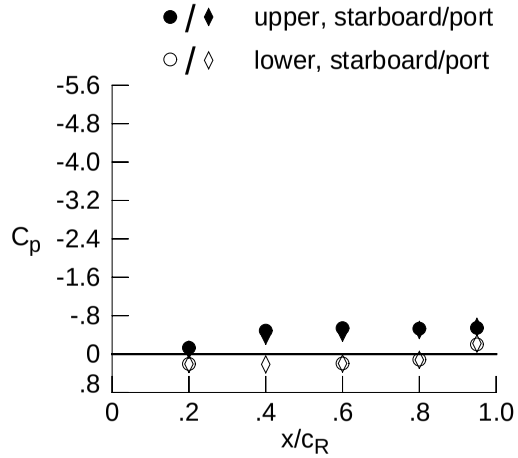
Run No. = 93 , Point No. = 2061

C_N = 0.198, C_m = -0.0310

α = 5.1 °, M_∞ = 0.850

R_{mac} = 36.0×10^6

Surface Pressures Near Leading Edge



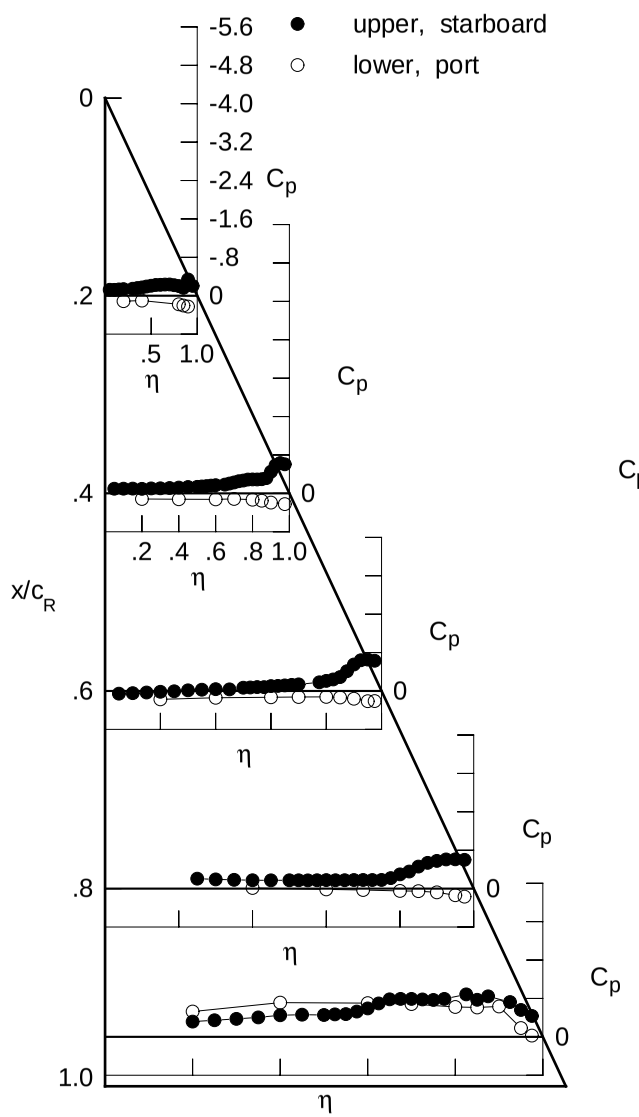
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.1313	-0.0905	0.2068	0.2059
0.40	0.95	-0.4879	-0.3823	0.2143	*******
0.60	0.95	-0.5402	-0.4449	0.1958	0.1950
0.80	0.95	-0.5295	-0.5010	0.1206	0.1162
0.95	0.95	-0.5455	-0.5680	-0.2218	-0.2013

Table C3. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.1242	-0.0972	0.0558	*******	*******
0.100	-0.1228	-0.0972	0.0455	*******	*******
0.150	-0.1308	-0.0992	0.0323	*******	*******
0.200	-0.1376	-0.0946	0.0169	*******	-0.3178
0.250	*******	-0.1032	0.0060	-0.2074	-0.3454
0.300	-0.1452	-0.1057	-0.0139	-0.1923	-0.3746
0.350	-0.1601	-0.1121	-0.0264	-0.1836	-0.4049
0.400	-0.1727	-0.1208	-0.0377	-0.1743	-0.4499
0.450	-0.1921	-0.1327	-0.0336	-0.1730	-0.4614
0.500	-0.2082	-0.1357	-0.0678	-0.1738	-0.4554
0.525	*******	-0.1440	-0.0725	-0.1734	-0.4682
0.550	-0.2237	-0.1509	-0.0819	-0.1721	-0.4733
0.575	*******	-0.1618	-0.0802	-0.1742	-0.5265
0.600	-0.2271	-0.1707	-0.1013	-0.1775	-0.5923
0.625	*******	*******	-0.1057	-0.1747	-0.6964
0.650	-0.2325	-0.1821	-0.1157	-0.1752	-0.7817
0.675	*******	-0.2049	-0.1274	-0.1791	-0.7906
0.700	-0.2341	-0.2275	-0.1372	-0.1801	-0.7904
0.725	*******	-0.2529	*******	-0.1791	-0.7788
0.750	-0.2191	-0.2669	*******	-0.1807	-0.7688
0.775	*******	-0.2880	-0.1805	-0.2192	-0.7907
0.800	-0.2019	-0.2905	-0.2103	-0.2970	*******
0.825	*******	-0.2895	-0.2398	-0.3558	-0.8845
0.850	-0.1635	-0.2950	-0.2893	-0.4590	-0.7723
0.875	*******	-0.3180	-0.4121	-0.5371	-0.8438
0.900	-0.3384	-0.4511	-0.5515	-0.5779	*******
0.925	*******	-0.5860	-0.6398	-0.6079	-0.7250
0.950	-0.2051	-0.6314	-0.6541	-0.6105	-0.5603
0.975	*******	-0.6058	-0.6294	-0.6001	-0.4351

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.1134	0.1171	0.1745	*******	-0.5268
-0.400	0.1013	0.1224	0.1413	-0.0135	-0.7129
-0.600	*******	0.1250	0.1314	0.0159	-0.7024
-0.700	*******	0.1157	0.1254	0.0289	-0.6831
-0.800	0.1786	0.1321	0.1228	0.0481	-0.6225
-0.850	0.2036	0.1529	0.1350	0.0527	-0.6124
-0.900	0.2254	0.1923	0.1616	0.0776	-0.6331
-0.950	*******	*******	0.2129	0.1376	-0.1833
-0.975	*******	0.2239	0.2107	0.1671	-0.0267

Surface Pressures



Sharp Radius L.E.

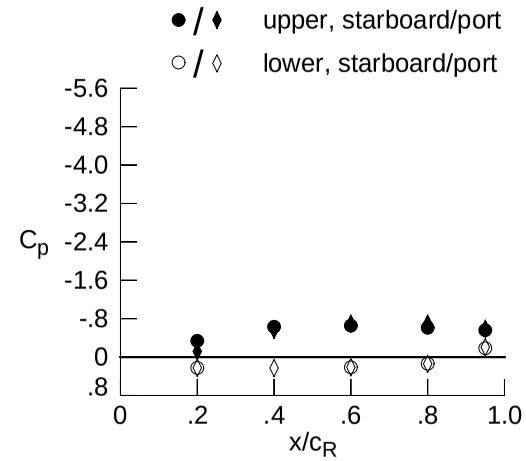
Run No. = 93 , Point No. = 2062

C_N = 0.252, C_m = -0.0434

α = 6.1 °, M_∞ = 0.849

$R_{mac} = 36.2 \times 10^6$

Surface Pressures Near Leading Edge



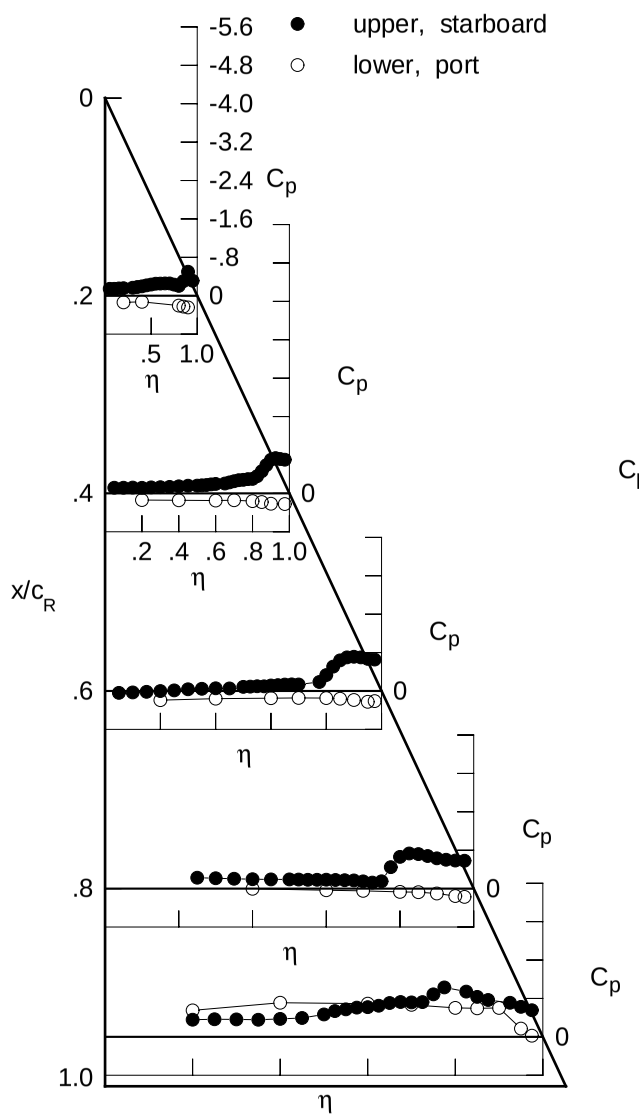
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.3384	-0.1183	0.2251	0.2254
0.40	0.95	-0.6314	-0.5667	0.2287	*******
0.60	0.95	-0.6541	-0.6990	0.2122	0.2129
0.80	0.95	-0.6105	-0.6995	0.1411	0.1376
0.95	0.95	-0.5603	-0.5911	-0.2071	-0.1833

Table C3. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.1438	-0.1174	0.0394	*******	*******
0.100	-0.1437	-0.1176	0.0302	*******	*******
0.150	-0.1516	-0.1206	0.0177	*******	*******
0.200	-0.1570	-0.1160	0.0019	*******	-0.3571
0.250	*******	-0.1245	-0.0118	-0.2274	-0.3662
0.300	-0.1663	-0.1286	-0.0353	-0.2160	-0.3633
0.350	-0.1819	-0.1353	-0.0459	-0.2054	-0.3561
0.400	-0.1950	-0.1474	-0.0559	-0.1957	-0.3735
0.450	-0.2161	-0.1600	-0.0531	-0.1920	-0.3930
0.500	-0.2325	-0.1612	-0.0859	-0.1920	-0.4667
0.525	*******	-0.1676	-0.0906	-0.1891	-0.5370
0.550	-0.2502	-0.1733	-0.0983	-0.1843	-0.5728
0.575	*******	-0.1872	-0.0966	-0.1839	-0.6089
0.600	-0.2529	-0.1968	-0.1142	-0.1857	-0.6184
0.625	*******	*******	-0.1217	-0.1800	-0.6483
0.650	-0.2562	-0.2044	-0.1337	-0.1756	-0.7052
0.675	*******	-0.2286	-0.1379	-0.1707	-0.7258
0.700	-0.2557	-0.2529	-0.1351	-0.1513	-0.7174
0.725	*******	-0.2743	*******	-0.1253	-0.7239
0.750	-0.2315	-0.2823	*******	-0.1529	-0.8853
0.775	*******	-0.2967	-0.1876	-0.4473	-1.0294
0.800	-0.2052	-0.3019	-0.3309	-0.6617	*******
0.825	*******	-0.3579	-0.5069	-0.7318	-0.9425
0.850	-0.3032	-0.4610	-0.6377	-0.7192	-0.8330
0.875	*******	-0.5888	-0.7003	-0.6789	-0.7678
0.900	-0.5001	-0.7003	-0.7132	-0.6315	*******
0.925	*******	-0.7347	-0.7001	-0.6019	-0.7093
0.950	-0.3116	-0.7157	-0.6691	-0.5850	-0.6250
0.975	*******	-0.7019	-0.6543	-0.5807	-0.5545

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.1383	0.1392	0.1915	*******	-0.5513
-0.400	0.1270	0.1440	0.1599	0.0033	-0.7106
-0.600	*******	0.1495	0.1505	0.0339	-0.6910
-0.700	*******	0.1430	0.1449	0.0465	-0.6670
-0.800	0.2052	0.1617	0.1479	0.0683	-0.6035
-0.850	0.2263	0.1805	0.1615	0.0746	-0.5940
-0.900	0.2436	0.2162	0.1878	0.1015	-0.6022
-0.950	*******	*******	0.2254	0.1546	-0.1720
-0.975	*******	0.2221	0.2110	0.1724	-0.0236

Surface Pressures



Sharp Radius L.E.

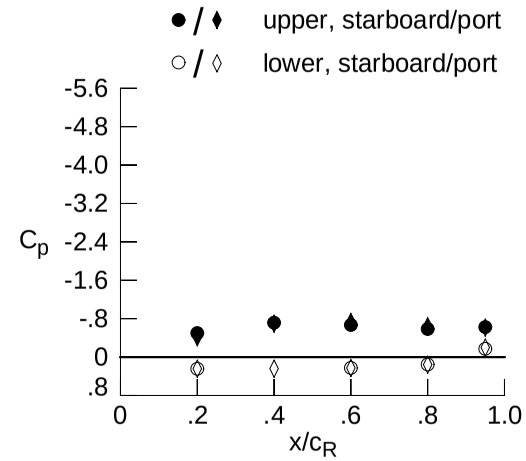
Run No. = 93 , Point No. = 2063

C_N = 0.311, C_m = -0.0568

α = 7.1 °, M_∞ = 0.851

$R_{mac} = 36.0 \times 10^6$

Surface Pressures Near Leading Edge



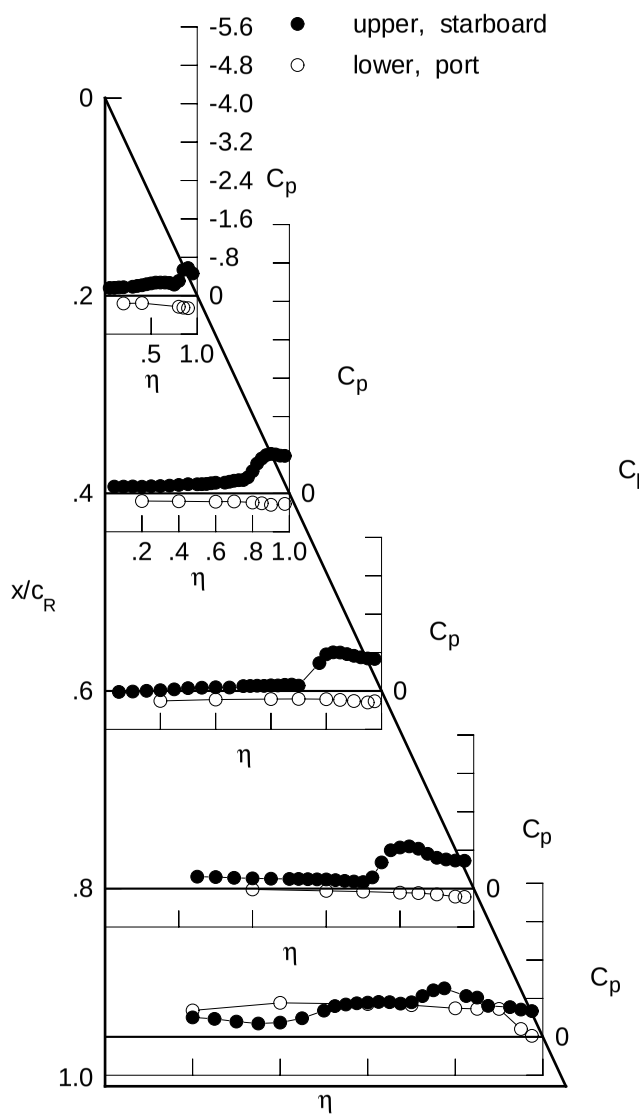
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.5001	-0.4128	0.2419	0.2436
0.40	0.95	-0.7157	-0.6968	0.2410	*******
0.60	0.95	-0.6691	-0.7333	0.2270	0.2254
0.80	0.95	-0.5850	-0.6441	0.1580	0.1546
0.95	0.95	-0.6250	-0.6149	-0.1991	-0.1720

Table C3. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.1615	-0.1407	0.0203	*******	*******
0.100	-0.1630	-0.1409	0.0120	*******	*******
0.150	-0.1722	-0.1441	-0.0030	*******	*******
0.200	-0.1772	-0.1381	-0.0161	*******	-0.4050
0.250	*******	-0.1481	-0.0336	-0.2490	-0.3743
0.300	-0.1869	-0.1523	-0.0592	-0.2409	-0.3176
0.350	-0.2036	-0.1610	-0.0682	-0.2249	-0.2774
0.400	-0.2178	-0.1750	-0.0779	-0.2137	-0.2967
0.450	-0.2393	-0.1913	-0.0719	-0.2061	-0.3869
0.500	-0.2567	-0.1894	-0.1020	-0.2016	-0.5459
0.525	*******	-0.1923	-0.1037	-0.2014	-0.6408
0.550	-0.2732	-0.1962	-0.1094	-0.1969	-0.6735
0.575	*******	-0.2105	-0.1062	-0.1931	-0.6993
0.600	-0.2746	-0.2214	-0.1175	-0.1915	-0.7128
0.625	*******	*******	-0.1152	-0.1765	-0.7274
0.650	-0.2740	-0.2234	-0.1283	-0.1612	-0.7224
0.675	*******	-0.2427	-0.1326	-0.1480	-0.6917
0.700	-0.2665	-0.2632	-0.1108	-0.1359	-0.7199
0.725	*******	-0.2745	*******	-0.2337	-0.8490
0.750	-0.2309	-0.2785	*******	-0.5458	-0.9699
0.775	*******	-0.3348	-0.5810	-0.7989	-1.0101
0.800	-0.3083	-0.4622	-0.7635	-0.8566	*******
0.825	*******	-0.6204	-0.8051	-0.8798	-0.8501
0.850	-0.5393	-0.7266	-0.8005	-0.8311	-0.8176
0.875	*******	-0.7977	-0.7681	-0.7247	-0.6453
0.900	-0.5765	-0.8232	-0.7327	-0.6424	*******
0.925	*******	-0.8100	-0.7009	-0.6068	-0.6192
0.950	-0.4635	-0.7858	-0.6769	-0.5851	-0.5684
0.975	*******	-0.7812	-0.6672	-0.5804	-0.5366

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.1611	0.1596	0.2076	*******	-0.5499
-0.400	0.1539	0.1651	0.1786	0.0168	-0.7080
-0.600	*******	0.1737	0.1690	0.0470	-0.6828
-0.700	*******	0.1688	0.1658	0.0618	-0.6599
-0.800	0.2299	0.1905	0.1710	0.0845	-0.5947
-0.850	0.2482	0.2066	0.1864	0.0930	-0.5831
-0.900	0.2592	0.2383	0.2100	0.1209	-0.5820
-0.950	*******	*******	0.2389	0.1664	-0.1630
-0.975	*******	0.2203	0.2141	0.1734	-0.0208

Surface Pressures



Sharp Radius L.E.

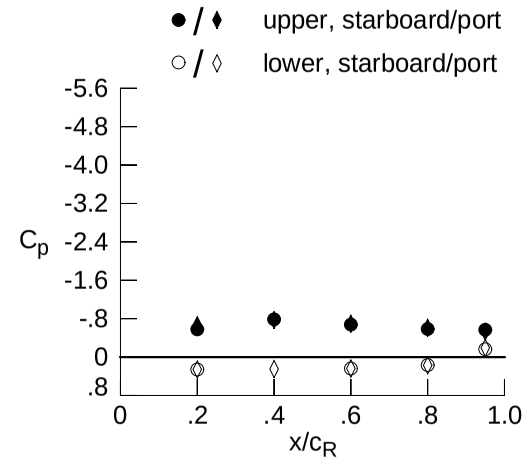
Run No. = 93 , Point No. = 2064

C_N = 0.363, C_m = -0.0646

α = 8.2 °, M_∞ = 0.849

$R_{mac} = 36.0 \times 10^6$

Surface Pressures Near Leading Edge



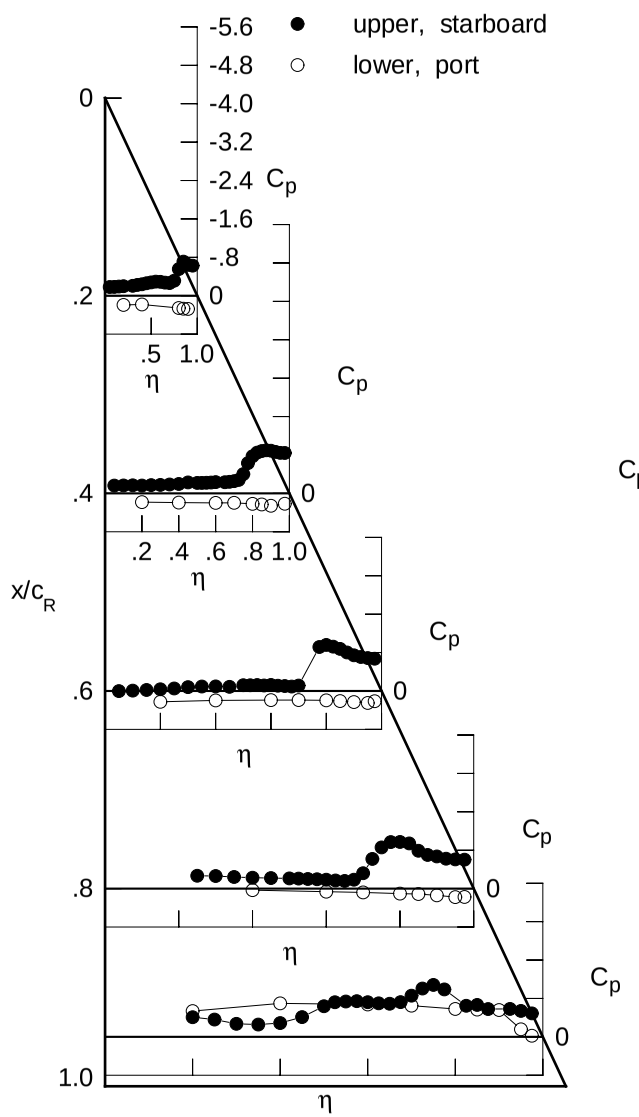
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.5765	-0.6658	0.2579	0.2592
0.40	0.95	-0.7858	-0.7726	0.2493	*******
0.60	0.95	-0.6769	-0.6970	0.2372	0.2389
0.80	0.95	-0.5851	-0.6112	0.1705	0.1664
0.95	0.95	-0.5684	-0.5309	-0.1920	-0.1630

Table C3. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.1815	-0.1624	0.0024	*******	*******
0.100	-0.1833	-0.1644	-0.0072	*******	*******
0.150	-0.1908	-0.1680	-0.0209	*******	*******
0.200	-0.1981	-0.1631	-0.0351	*******	-0.4090
0.250	*******	-0.1724	-0.0520	-0.2680	-0.3602
0.300	-0.2061	-0.1760	-0.0797	-0.2624	-0.2716
0.350	-0.2248	-0.1845	-0.0927	-0.2420	-0.2564
0.400	-0.2382	-0.1963	-0.0952	-0.2275	-0.2875
0.450	-0.2599	-0.2277	-0.0868	-0.2200	-0.4109
0.500	-0.2776	-0.2179	-0.1197	-0.2124	-0.6378
0.525	*******	-0.2177	-0.1196	-0.2091	-0.7207
0.550	-0.2938	-0.2205	-0.1237	-0.2006	-0.7363
0.575	*******	-0.2253	-0.1145	-0.1949	-0.7430
0.600	-0.2898	-0.2344	-0.1254	-0.1856	-0.7217
0.625	*******	*******	-0.1095	-0.1697	-0.6988
0.650	-0.2728	-0.2321	-0.1029	-0.1597	-0.6899
0.675	*******	-0.2412	-0.0922	-0.1854	-0.7228
0.700	-0.2638	-0.2544	-0.1125	-0.3207	-0.8578
0.725	*******	-0.2799	*******	-0.6186	-1.0063
0.750	-0.3131	-0.4017	*******	-0.8582	-1.0815
0.775	*******	-0.6293	-0.9161	-0.9697	-0.9878
0.800	-0.5555	-0.7728	-0.9594	-0.9724	*******
0.825	*******	-0.8489	-0.9233	-0.9417	-0.6472
0.850	-0.7103	-0.8814	-0.8764	-0.7885	-0.6649
0.875	*******	-0.8979	-0.8026	-0.7015	-0.5794
0.900	-0.6432	-0.8886	-0.7432	-0.6706	*******
0.925	*******	-0.8641	-0.7081	-0.6230	-0.5820
0.950	-0.6262	-0.8439	-0.6855	-0.6092	-0.5400
0.975	*******	-0.8413	-0.6718	-0.6034	-0.4887

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.1917	0.1827	0.2258	*******	-0.5367
-0.400	0.1824	0.1921	0.1966	0.0322	-0.6973
-0.600	*******	0.1987	0.1901	0.0640	-0.6742
-0.700	*******	0.1969	0.1894	0.0796	-0.6496
-0.800	0.2561	0.2188	0.1951	0.1042	-0.5805
-0.850	0.2702	0.2314	0.2104	0.1128	-0.5683
-0.900	0.2750	0.2587	0.2308	0.1401	-0.5586
-0.950	*******	*******	0.2492	0.1766	-0.1568
-0.975	*******	0.2160	0.2136	0.1736	-0.0234

Surface Pressures



Sharp Radius L.E.

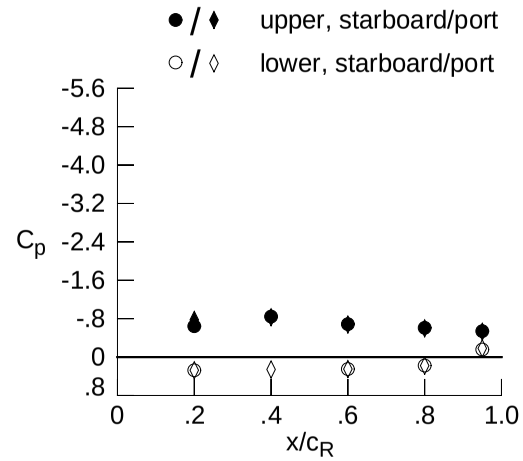
Run No. = 93 , Point No. = 2065

C_N = 0.421, C_m = -0.0747

α = 9.2 °, M_∞ = 0.850

$R_{mac} = 36.0 \times 10^6$

Surface Pressures Near Leading Edge

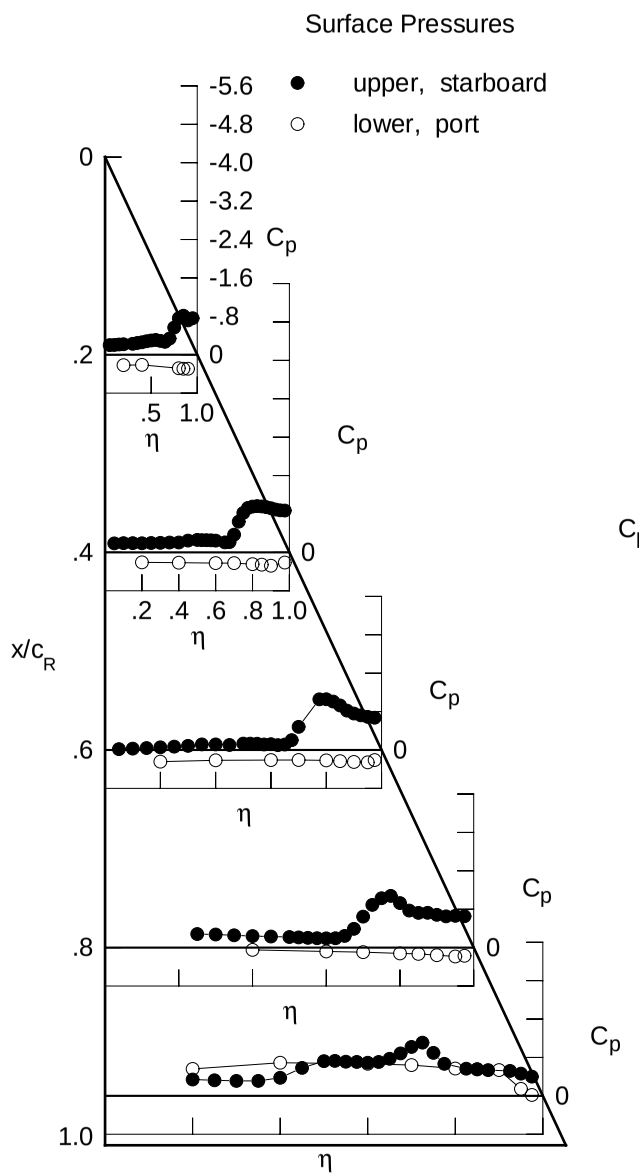


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.6432	-0.7750	0.2747	0.2750
0.40	0.95	-0.8439	-0.8294	0.2585	*******
0.60	0.95	-0.6855	-0.6792	0.2495	0.2492
0.80	0.95	-0.6092	-0.5992	0.1793	0.1766
0.95	0.95	-0.5400	-0.5285	-0.1813	-0.1568

Table C3. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.2006	-0.1871	-0.0174	*******	*******
0.100	-0.2034	-0.1920	-0.0281	*******	*******
0.150	-0.2125	-0.1921	-0.0403	*******	*******
0.200	-0.2186	-0.1898	-0.0551	*******	-0.3401
0.250	*******	-0.1952	-0.0692	-0.2830	-0.3243
0.300	-0.2270	-0.1986	-0.0859	-0.2727	-0.3116
0.350	-0.2452	-0.2044	-0.1157	-0.2567	-0.3116
0.400	-0.2590	-0.2055	-0.1164	-0.2407	-0.3757
0.450	-0.2811	-0.2452	-0.1037	-0.2310	-0.5822
0.500	-0.2965	-0.2591	-0.1326	-0.2209	-0.7224
0.525	*******	-0.2542	-0.1318	-0.2128	-0.7280
0.550	-0.3077	-0.2534	-0.1306	-0.2042	-0.7112
0.575	*******	-0.2509	-0.1147	-0.1956	-0.7066
0.600	-0.2891	-0.2450	-0.1205	-0.1931	-0.6896
0.625	*******	*******	-0.1006	-0.1950	-0.7056
0.650	-0.2691	-0.2079	-0.1124	-0.2441	-0.7716
0.675	*******	-0.2135	-0.2045	-0.3913	-0.8839
0.700	-0.3377	-0.3692	-0.4817	-0.6456	-1.0195
0.725	*******	-0.6398	*******	-0.8902	-1.1081
0.750	-0.5664	-0.8214	*******	-1.0286	-0.8952
0.775	*******	-0.9254	-1.0553	-1.0780	-0.6676
0.800	-0.7599	-0.9537	-1.0570	-0.9279	*******
0.825	*******	-0.9637	-1.0087	-0.7723	-0.5659
0.850	-0.8125	-0.9566	-0.9273	-0.7241	-0.5508
0.875	*******	-0.9414	-0.8197	-0.7258	-0.5361
0.900	-0.7151	-0.9191	-0.7592	-0.6833	*******
0.925	*******	-0.8919	-0.7219	-0.6513	-0.5194
0.950	-0.7606	-0.8763	-0.6896	-0.6625	-0.4626
0.975	*******	-0.8715	-0.6721	-0.6538	-0.3996

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.2178	0.2079	0.2436	*******	-0.5607
-0.400	0.2116	0.2148	0.2153	0.0472	-0.6896
-0.600	*******	0.2235	0.2105	0.0803	-0.6678
-0.700	*******	0.2244	0.2088	0.0945	-0.6410
-0.800	0.2820	0.2458	0.2171	0.1208	-0.5688
-0.850	0.2924	0.2562	0.2329	0.1307	-0.5549
-0.900	0.2916	0.2782	0.2500	0.1576	-0.5370
-0.950	*******	*******	0.2574	0.1847	-0.1452
-0.975	*******	0.2116	0.2103	0.1695	-0.0184



Sharp Radius L.E.

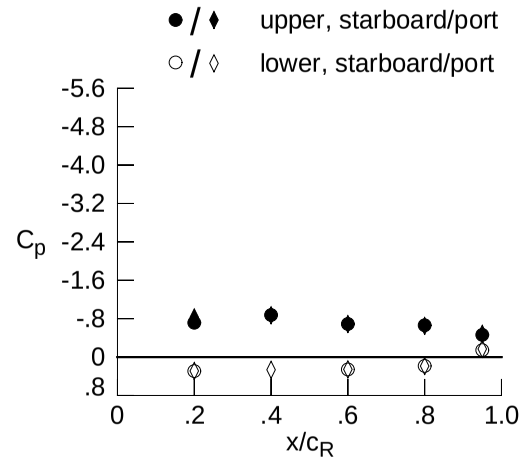
Run No. = 93 , Point No. = 2066

C_N = 0.476, C_m = -0.0832

α = 10.3 °, M_∞ = 0.849

$R_{mac} = 35.9 \times 10^6$

Surface Pressures Near Leading Edge



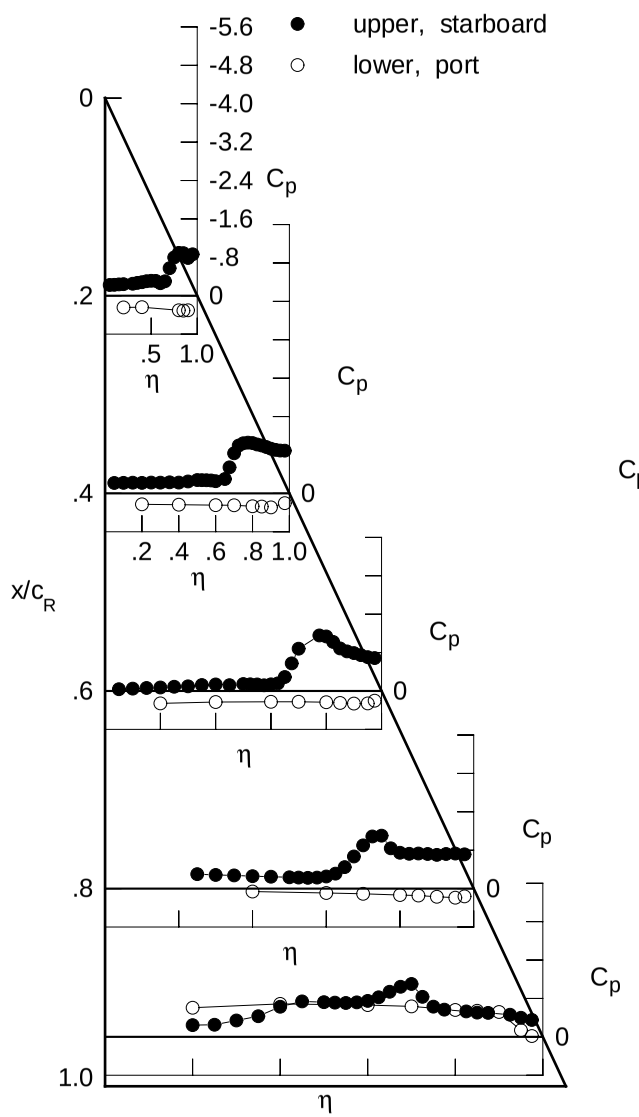
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.7151	-0.8271	0.2897	0.2916
0.40	0.95	-0.8763	-0.8715	0.2652	*******
0.60	0.95	-0.6896	-0.6878	0.2563	0.2574
0.80	0.95	-0.6625	-0.6487	0.1869	0.1847
0.95	0.95	-0.4626	-0.4855	-0.1688	-0.1452

Table C3. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.2242	-0.2169	-0.0369	*******	*******
0.100	-0.2273	-0.2191	-0.0485	*******	*******
0.150	-0.2363	-0.2221	-0.0621	*******	*******
0.200	-0.2406	-0.2183	-0.0727	*******	-0.2443
0.250	*******	-0.2249	-0.0883	-0.3012	-0.2518
0.300	-0.2495	-0.2230	-0.0972	-0.2845	-0.3409
0.350	-0.2675	-0.2304	-0.1241	-0.2751	-0.4295
0.400	-0.2813	-0.2251	-0.1362	-0.2595	-0.6272
0.450	-0.3021	-0.2481	-0.1207	-0.2482	-0.7380
0.500	-0.3113	-0.2777	-0.1447	-0.2362	-0.7222
0.525	*******	-0.2749	-0.1391	-0.2302	-0.7127
0.550	-0.3086	-0.2737	-0.1357	-0.2249	-0.7056
0.575	*******	-0.2687	-0.1187	-0.2294	-0.7188
0.600	-0.2609	-0.2533	-0.1385	-0.2528	-0.7486
0.625	*******	*******	-0.1582	-0.3121	-0.8242
0.650	-0.3004	-0.2991	-0.2901	-0.4481	-0.9391
0.675	*******	-0.5425	-0.5754	-0.6697	-1.0433
0.700	-0.5737	-0.8351	-0.8811	-0.9011	-1.1013
0.725	*******	-0.9965	*******	-1.0863	-0.8337
0.750	-0.7973	-1.0442	*******	-1.1036	-0.6284
0.775	*******	-1.0568	-1.1564	-0.8400	-0.5663
0.800	-0.8927	-1.0482	-1.1357	-0.7471	*******
0.825	*******	-1.0182	-1.0217	-0.7254	-0.5298
0.850	-0.8875	-0.9976	-0.8862	-0.7309	-0.5051
0.875	*******	-0.9655	-0.8251	-0.7212	-0.4995
0.900	-0.7865	-0.9305	-0.7895	-0.7036	*******
0.925	*******	-0.9062	-0.7475	-0.7215	-0.4604
0.950	-0.8633	-0.8922	-0.7045	-0.7302	-0.3975
0.975	*******	-0.8897	-0.6853	-0.7146	-0.3516

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.2440	0.2284	0.2585	*******	-0.6068
-0.400	0.2387	0.2361	0.2305	0.0610	-0.6863
-0.600	*******	0.2454	0.2253	0.0910	-0.6618
-0.700	*******	0.2476	0.2251	0.1078	-0.6342
-0.800	0.3033	0.2686	0.2341	0.1340	-0.5600
-0.850	0.3100	0.2753	0.2495	0.1443	-0.5435
-0.900	0.3029	0.2918	0.2625	0.1694	-0.5177
-0.950	*******	*******	0.2593	0.1887	-0.1381
-0.975	*******	0.2041	0.2027	0.1619	-0.0171

Surface Pressures



Sharp Radius L.E.

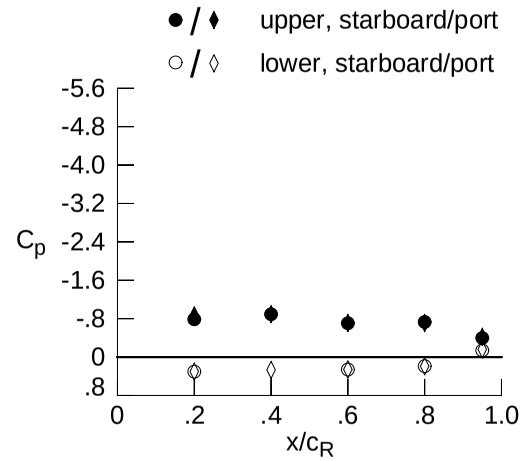
Run No. = 93 , Point No. = 2067

C_N = 0.522, C_m = -0.0858

α = 11.3 °, M_∞ = 0.849

$R_{mac} = 36.0 \times 10^6$

Surface Pressures Near Leading Edge



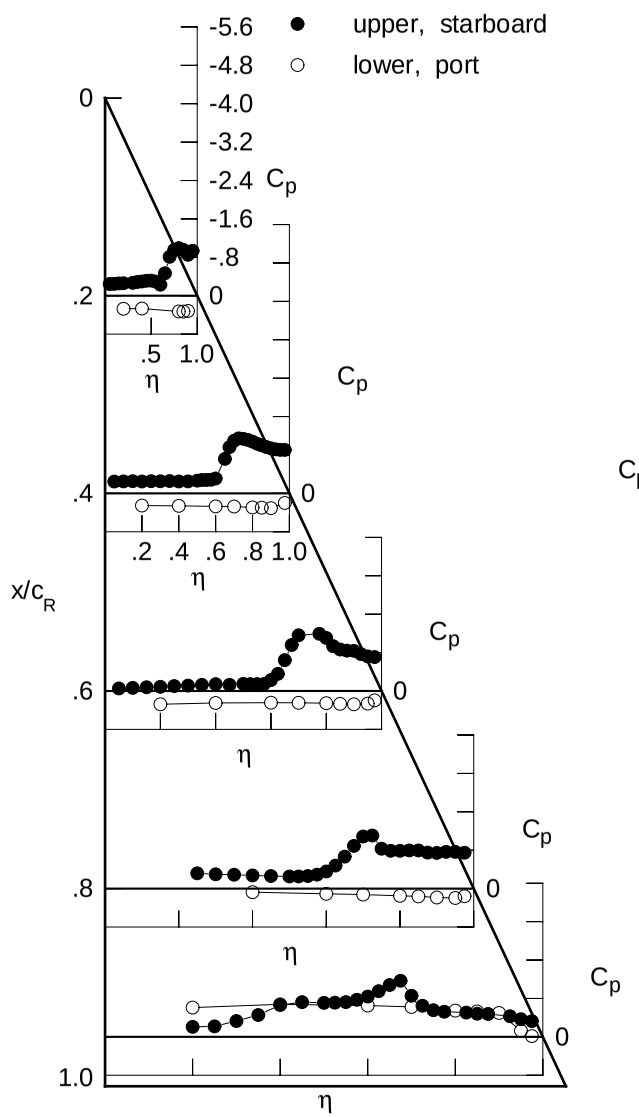
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.7865	-0.8701	0.3013	0.3029
0.40	0.95	-0.8922	-0.8948	0.2669	*******
0.60	0.95	-0.7045	-0.7109	0.2575	0.2593
0.80	0.95	-0.7302	-0.7085	0.1901	0.1887
0.95	0.95	-0.3975	-0.4213	-0.1619	-0.1381

Table C3. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.2443	-0.2460	-0.0532	*******	*******
0.100	-0.2468	-0.2498	-0.0651	*******	*******
0.150	-0.2568	-0.2539	-0.0773	*******	*******
0.200	-0.2603	-0.2473	-0.0874	*******	-0.2078
0.250	*******	-0.2533	-0.1026	-0.3190	-0.2185
0.300	-0.2688	-0.2519	-0.1124	-0.2984	-0.3299
0.350	-0.2861	-0.2565	-0.1277	-0.2896	-0.4545
0.400	-0.2967	-0.2483	-0.1422	-0.2746	-0.6630
0.450	-0.3122	-0.2494	-0.1279	-0.2621	-0.7228
0.500	-0.3140	-0.2651	-0.1487	-0.2530	-0.7083
0.525	*******	-0.2785	-0.1434	-0.2538	-0.7122
0.550	-0.2963	-0.2791	-0.1442	-0.2628	-0.7240
0.575	*******	-0.2842	-0.1456	-0.2913	-0.7719
0.600	-0.2296	-0.3108	-0.2272	-0.3578	-0.8394
0.625	*******	*******	-0.3568	-0.4797	-0.9512
0.650	-0.4676	-0.7186	-0.6427	-0.6663	-1.0798
0.675	*******	-0.9635	-0.9579	-0.8907	-1.1678
0.700	-0.8105	-1.0965	-1.1608	-1.0859	-0.8562
0.725	*******	-1.1460	*******	-1.1064	-0.6478
0.750	-0.9555	-1.1372	*******	-0.8316	-0.5553
0.775	*******	-1.1137	-1.1915	-0.7883	-0.5236
0.800	-0.9917	-1.0777	-1.1046	-0.7881	*******
0.825	*******	-1.0333	-0.9331	-0.7953	-0.5059
0.850	-0.9562	-1.0008	-0.8643	-0.7950	-0.4818
0.875	*******	-0.9654	-0.8403	-0.7507	-0.4770
0.900	-0.8531	-0.9375	-0.8359	-0.7438	*******
0.925	*******	-0.9172	-0.7704	-0.7659	-0.4287
0.950	-0.9372	-0.9067	-0.7196	-0.7655	-0.3669
0.975	*******	-0.9053	-0.7064	-0.7479	-0.3281

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.2717	0.2535	0.2768	*******	-0.6097
-0.400	0.2673	0.2603	0.2494	0.0744	-0.6777
-0.600	*******	0.2714	0.2442	0.1081	-0.6519
-0.700	*******	0.2737	0.2462	0.1239	-0.6236
-0.800	0.3283	0.2936	0.2545	0.1501	-0.5466
-0.850	0.3296	0.2978	0.2681	0.1614	-0.5284
-0.900	0.3170	0.3091	0.2773	0.1849	-0.4980
-0.950	*******	*******	0.2630	0.1951	-0.1290
-0.975	*******	0.2001	0.1962	0.1581	-0.0160

Surface Pressures



Sharp Radius L.E.

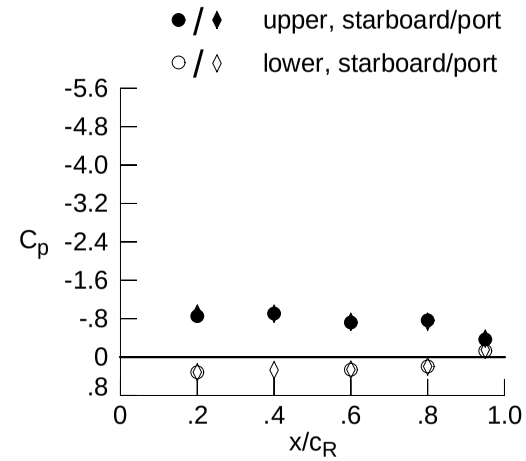
Run No. = 93 , Point No. = 2068

C_N = 0.574, C_m = -0.0924

α = 12.3 °, M_∞ = 0.849

$R_{mac} = 36.0 \times 10^6$

Surface Pressures Near Leading Edge



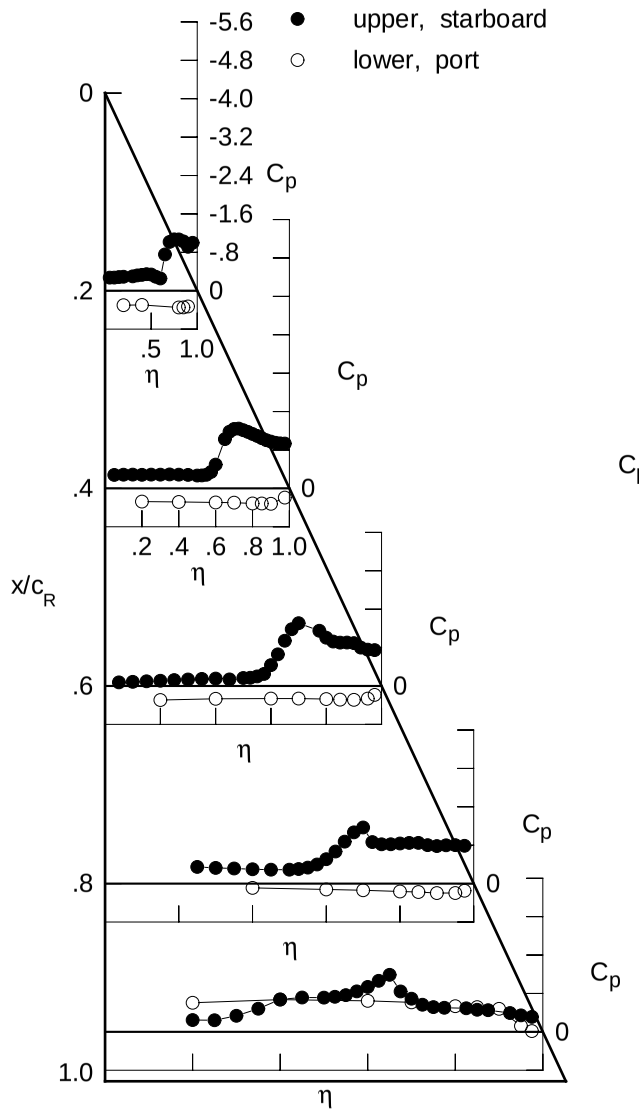
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.8531	-0.9097	0.3151	0.3170
0.40	0.95	-0.9067	-0.9052	0.2702	*******
0.60	0.95	-0.7196	-0.7356	0.2606	0.2630
0.80	0.95	-0.7655	-0.7380	0.1960	0.1951
0.95	0.95	-0.3669	-0.3872	-0.1522	-0.1290

Table C3. Continued.

η	x/c_R .2 Cp,u	x/c_R .4 Cp,u	x/c_R .6 Cp,u	x/c_R .8 Cp,u	x/c_R .95 Cp,u
0.050	-0.2727	-0.2801	-0.0755	*******	*******
0.100	-0.2734	-0.2851	-0.0862	*******	*******
0.150	-0.2844	-0.2865	-0.0978	*******	*******
0.200	-0.2908	-0.2822	-0.1086	*******	-0.2459
0.250	*******	-0.2866	-0.1234	-0.3477	-0.2417
0.300	-0.2993	-0.2860	-0.1351	-0.3273	-0.3343
0.350	-0.3195	-0.2907	-0.1469	-0.3155	-0.4812
0.400	-0.3303	-0.2855	-0.1545	-0.2988	-0.6759
0.450	-0.3445	-0.2810	-0.1366	-0.2902	-0.7155
0.500	-0.3374	-0.2675	-0.1661	-0.2904	-0.7126
0.525	*******	-0.2700	-0.1714	-0.3041	-0.7306
0.550	-0.2916	-0.2830	-0.1988	-0.3339	-0.7648
0.575	*******	-0.3423	-0.2512	-0.3986	-0.8429
0.600	-0.2551	-0.4955	-0.4340	-0.5090	-0.9356
0.625	*******	*******	-0.6590	-0.6690	-1.0628
0.650	-0.7557	-1.0254	-0.9423	-0.8743	-1.1882
0.675	*******	-1.1796	-1.1825	-1.0677	-0.8413
0.700	-1.0168	-1.2379	-1.3079	-1.1696	-0.6905
0.725	*******	-1.2456	*******	-0.8657	-0.5651
0.750	-1.0707	-1.2123	*******	-0.8194	-0.5151
0.775	*******	-1.1761	-1.1507	-0.8200	-0.5016
0.800	-1.0689	-1.1336	-1.0054	-0.8364	*******
0.825	*******	-1.0925	-0.9257	-0.8477	-0.4914
0.850	-1.0276	-1.0465	-0.9031	-0.8489	-0.4601
0.875	*******	-1.0040	-0.9046	-0.8018	-0.4513
0.900	-0.9156	-0.9742	-0.8931	-0.7827	*******
0.925	*******	-0.9497	-0.7993	-0.7986	-0.3921
0.950	-0.9987	-0.9372	-0.7564	-0.8013	-0.3436
0.975	*******	-0.9333	-0.7471	-0.7879	-0.3124

	Cp,l	Cp,l	Cp,l	Cp,l	Cp,l
-0.200	0.3014	0.2753	0.2929	*******	-0.6060
-0.400	0.2958	0.2828	0.2669	0.0891	-0.6711
-0.600	*******	0.2935	0.2623	0.1216	-0.6457
-0.700	*******	0.2974	0.2622	0.1385	-0.6142
-0.800	0.3491	0.3148	0.2725	0.1637	-0.5344
-0.850	0.3470	0.3151	0.2851	0.1752	-0.5155
-0.900	0.3280	0.3214	0.2885	0.1965	-0.4789
-0.950	*******	*******	0.2634	0.1956	-0.1224
-0.975	*******	0.1923	0.1858	0.1479	-0.0163

Surface Pressures



Sharp Radius L.E.

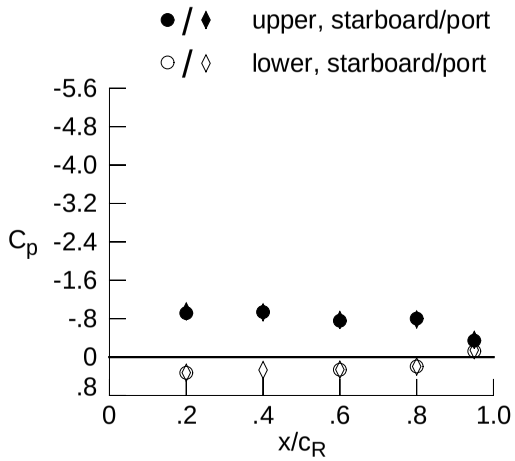
Run No. = 93 , Point No. = 2069

C_N = 0.628, C_m = -0.1001

α = 13.4 °, M_∞ = 0.849

$R_{mac} = 35.9 \times 10^6$

Surface Pressures Near Leading Edge

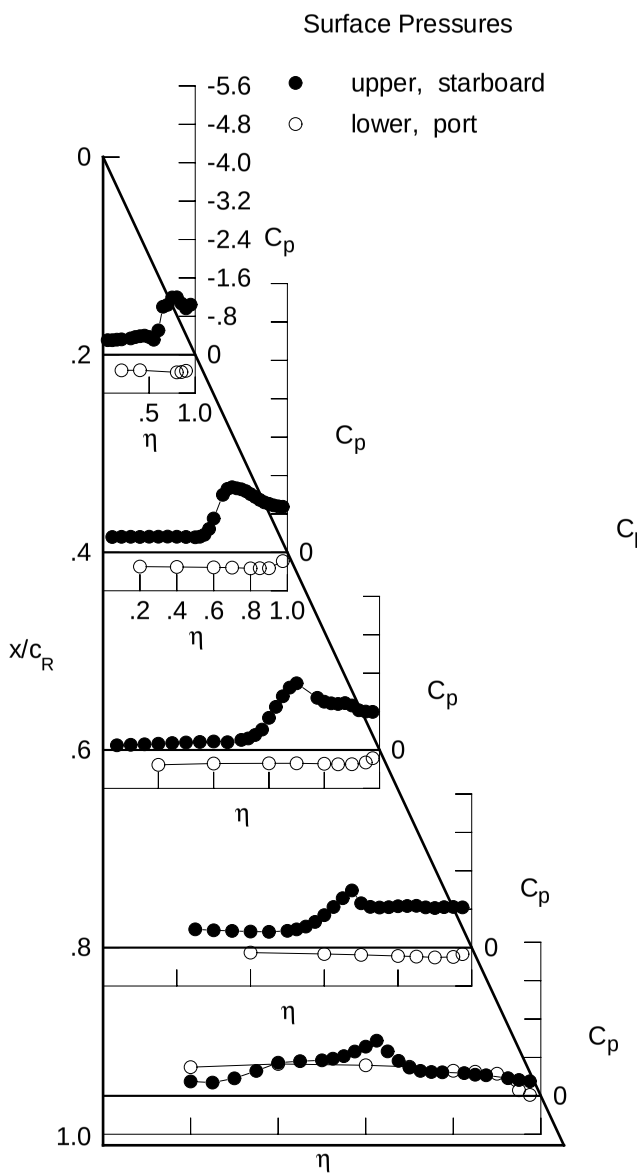


x/cR	η	Cp,u starb'd	Cp,u port	Cp,l starb'd	Cp,l port
0.20	0.90	-0.9156	-0.9532	0.3255	0.3280
0.40	0.95	-0.9372	-0.9327	0.2699	*******
0.60	0.95	-0.7564	-0.7734	0.2610	0.2634
0.80	0.95	-0.8013	-0.7847	0.1960	0.1956
0.95	0.95	-0.3436	-0.3595	-0.1445	-0.1224

Table C3. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.3031	-0.3197	-0.0973	*******	*******
0.100	-0.3024	-0.3242	-0.1081	*******	*******
0.150	-0.3135	-0.3252	-0.1185	*******	*******
0.200	-0.3204	-0.3214	-0.1301	*******	-0.2993
0.250	*******	-0.3265	-0.1444	-0.3809	-0.2762
0.300	-0.3404	-0.3261	-0.1561	-0.3609	-0.3651
0.350	-0.3682	-0.3286	-0.1669	-0.3481	-0.5195
0.400	-0.3856	-0.3252	-0.1771	-0.3343	-0.6903
0.450	-0.3977	-0.3209	-0.1614	-0.3292	-0.7220
0.500	-0.3685	-0.3144	-0.2099	-0.3494	-0.7398
0.525	*******	-0.3256	-0.2402	-0.3803	-0.7739
0.550	-0.3118	-0.3676	-0.3116	-0.4381	-0.8269
0.575	*******	-0.4880	-0.4246	-0.5355	-0.9229
0.600	-0.5072	-0.7054	-0.6694	-0.6759	-1.0247
0.625	*******	*******	-0.8976	-0.8465	-1.1486
0.650	-0.9991	-1.1993	-1.1185	-1.0300	-0.9262
0.675	*******	-1.3221	-1.2989	-1.1915	-0.7287
0.700	-1.0403	-1.3567	-1.3893	-0.9242	-0.5892
0.725	*******	-1.3345	*******	-0.8487	-0.5198
0.750	-1.1925	-1.3146	*******	-0.8353	-0.4965
0.775	*******	-1.2752	-1.0867	-0.8424	-0.4906
0.800	-1.1961	-1.2139	-1.0059	-0.8625	*******
0.825	*******	-1.1557	-0.9721	-0.8670	-0.4738
0.850	-1.0661	-1.0946	-0.9584	-0.8714	-0.4399
0.875	*******	-1.0421	-0.9766	-0.8388	-0.4284
0.900	-0.9667	-1.0107	-0.9270	-0.8246	*******
0.925	*******	-0.9796	-0.8271	-0.8432	-0.3681
0.950	-1.0425	-0.9591	-0.8003	-0.8471	-0.3303
0.975	*******	-0.9499	-0.7939	-0.8383	-0.3043

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.3259	0.2964	0.3092	*******	-0.5973
-0.400	0.3232	0.3044	0.2821	0.1040	-0.6640
-0.600	*******	0.3131	0.2784	0.1324	-0.6367
-0.700	*******	0.3177	0.2777	0.1509	-0.6053
-0.800	0.3673	0.3336	0.2871	0.1747	-0.5226
-0.850	0.3612	0.3302	0.2981	0.1870	-0.5015
-0.900	0.3353	0.3303	0.2972	0.2045	-0.4608
-0.950	*******	*******	0.2598	0.1941	-0.1168
-0.975	*******	0.1828	0.1713	0.1348	-0.0189



Sharp Radius L.E.

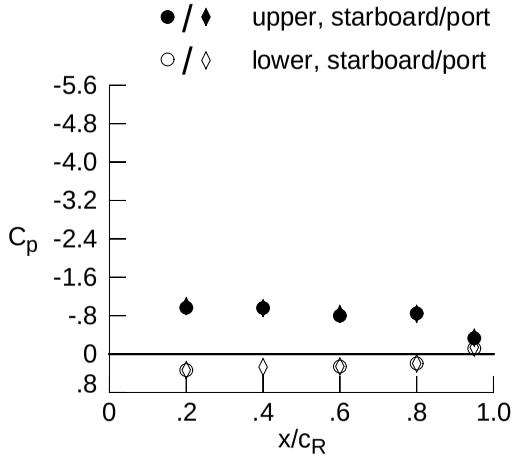
Run No. = 93 , Point No. = 2070

C_N = 0.683, C_m = -0.1087

α = 14.4 °, M_∞ = 0.850

$R_{mac} = 35.9 \times 10^6$

Surface Pressures Near Leading Edge

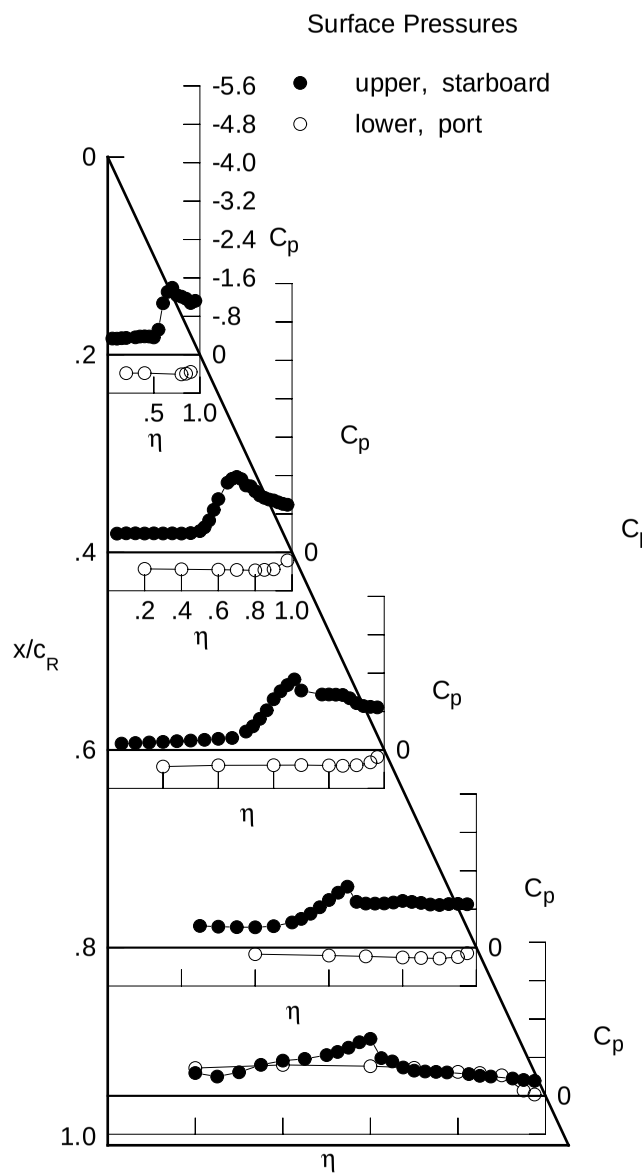


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-0.9667	-0.9992	0.3323	0.3353
0.40	0.95	-0.9591	-0.9575	0.2698	*******
0.60	0.95	-0.8003	-0.8359	0.2578	0.2598
0.80	0.95	-0.8471	-0.8395	0.1953	0.1941
0.95	0.95	-0.3303	-0.3440	-0.1398	-0.1168

Table C3. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.3366	-0.3907	-0.1327	*******	*******
0.100	-0.3341	-0.3970	-0.1445	*******	*******
0.150	-0.3442	-0.3965	-0.1558	*******	*******
0.200	-0.3495	-0.3927	-0.1682	*******	-0.4753
0.250	*******	-0.3959	-0.1836	-0.4524	-0.4014
0.300	-0.3620	-0.3933	-0.1962	-0.4363	-0.4914
0.350	-0.3793	-0.3957	-0.2115	-0.4267	-0.6454
0.400	-0.3828	-0.3921	-0.2319	-0.4235	-0.7334
0.450	-0.3795	-0.4017	-0.2502	-0.4461	-0.7694
0.500	-0.3606	-0.4433	-0.3833	-0.5237	-0.8489
0.525	*******	-0.5213	-0.4928	-0.5985	-0.9146
0.550	-0.5210	-0.6663	-0.6490	-0.7052	-1.0030
0.575	*******	-0.8855	-0.8264	-0.8409	-1.1165
0.600	-1.0717	-1.1093	-1.0569	-0.9921	-1.1871
0.625	*******	*******	-1.2222	-1.1443	-0.7867
0.650	-1.3089	-1.4519	-1.3522	-1.2694	-0.7165
0.675	*******	-1.5322	-1.4695	-0.9533	-0.5901
0.700	-1.3944	-1.5714	-1.2383	-0.9176	-0.5249
0.725	*******	-1.5257	*******	-0.9169	-0.5074
0.750	-1.2398	-1.3942	*******	-0.9199	-0.4988
0.775	*******	-1.3769	-1.1555	-0.9392	-0.4876
0.800	-1.2093	-1.2734	-1.1561	-0.9724	*******
0.825	*******	-1.1866	-1.1517	-0.9518	-0.4533
0.850	-1.1661	-1.1368	-1.1456	-0.9309	-0.4169
0.875	*******	-1.1010	-1.0778	-0.8972	-0.4024
0.900	-1.0774	-1.0814	-0.9751	-0.8876	*******
0.925	*******	-1.0426	-0.9152	-0.9068	-0.3609
0.950	-1.1223	-1.0102	-0.8984	-0.9112	-0.3305
0.975	*******	-0.9920	-0.8869	-0.9031	-0.3122

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.3843	0.3447	0.3463	*******	-0.5791
-0.400	0.3830	0.3526	0.3198	0.1363	-0.6438
-0.600	*******	0.3610	0.3176	0.1648	-0.6173
-0.700	*******	0.3663	0.3148	0.1826	-0.5835
-0.800	0.4089	0.3755	0.3227	0.2057	-0.4990
-0.850	0.3948	0.3648	0.3299	0.2159	-0.4754
-0.900	0.3582	0.3528	0.3173	0.2274	-0.4269
-0.950	*******	*******	0.2564	0.1966	-0.1100
-0.975	*******	0.1678	0.1482	0.1165	-0.0281



Sharp Radius L.E.

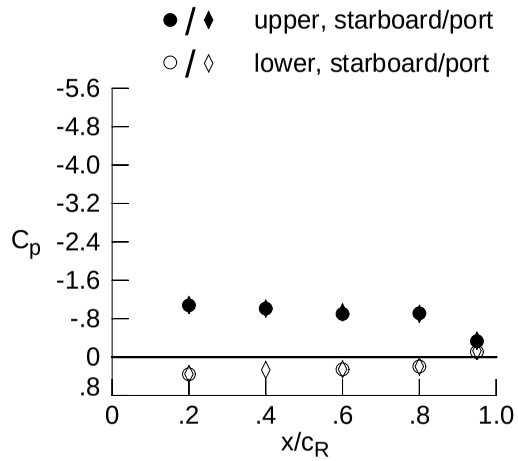
Run No. = 93 , Point No. = 2071

C_N = 0.787, C_m = -0.1198

α = 16.5 °, M_∞ = 0.849

$R_{mac} = 36.0 \times 10^6$

Surface Pressures Near Leading Edge



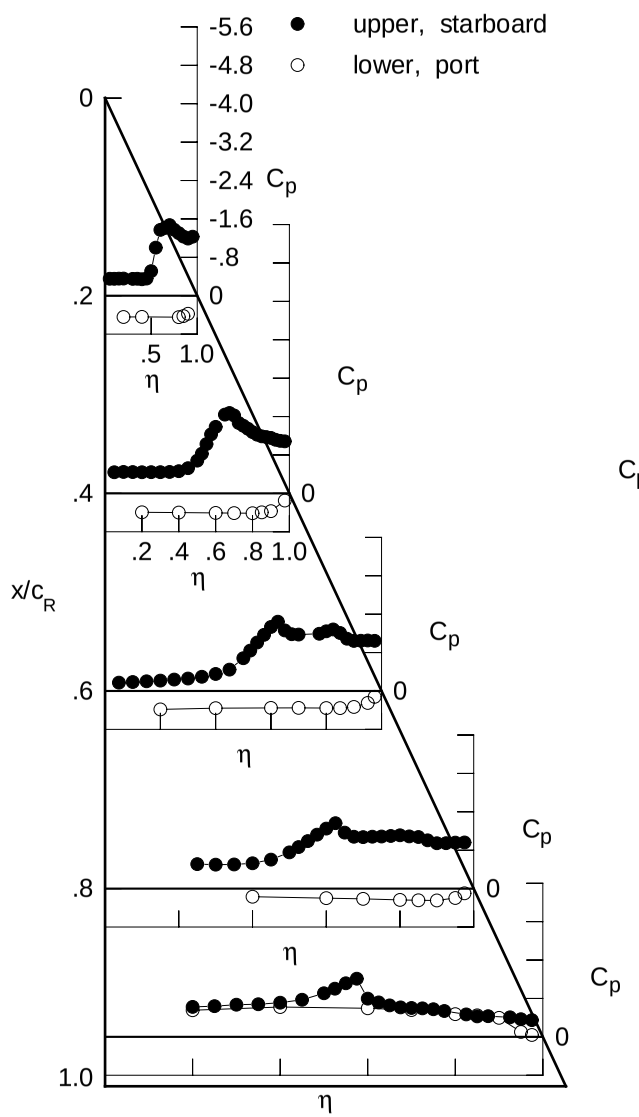
x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.0774	-1.0839	0.3527	0.3582
0.40	0.95	-1.0102	-1.0122	0.2686	*******
0.60	0.95	-0.8984	-0.9339	0.2530	0.2564
0.80	0.95	-0.9112	-0.8980	0.1960	0.1966
0.95	0.95	-0.3305	-0.3414	-0.1299	-0.1100

Table C3. Continued.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.3532	-0.4399	-0.1736	*******	*******
0.100	-0.3524	-0.4466	-0.1866	*******	*******
0.150	-0.3564	-0.4436	-0.2020	*******	*******
0.200	-0.3577	-0.4396	-0.2160	*******	-0.6237
0.250	*******	-0.4418	-0.2375	-0.5103	-0.6388
0.300	-0.3509	-0.4414	-0.2596	-0.4991	-0.6696
0.350	-0.3537	-0.4461	-0.2963	-0.5034	-0.6796
0.400	-0.3436	-0.4620	-0.3546	-0.5278	-0.7112
0.450	-0.3579	-0.5246	-0.4448	-0.6041	-0.7725
0.500	-0.5117	-0.6813	-0.6827	-0.7548	-0.9079
0.525	*******	-0.8262	-0.8405	-0.8653	-1.0029
0.550	-1.0016	-1.0273	-1.0099	-0.9908	-1.1159
0.575	*******	-1.2294	-1.1696	-1.1238	-1.2114
0.600	-1.3716	-1.3859	-1.3339	-1.2508	-0.7960
0.625	*******	*******	-1.4431	-1.3632	-0.7180
0.650	-1.4117	-1.6405	-1.2613	-1.1660	-0.6554
0.675	*******	-1.6743	-1.1826	-1.0808	-0.6132
0.700	-1.4711	-1.6234	-1.1752	-1.0730	-0.6012
0.725	*******	-1.4668	*******	-1.0818	-0.5936
0.750	-1.3745	-1.4092	*******	-1.0853	-0.5755
0.775	*******	-1.3462	-1.1924	-1.0972	-0.5387
0.800	-1.3031	-1.2770	-1.2428	-1.1116	*******
0.825	*******	-1.2225	-1.2816	-1.0882	-0.4672
0.850	-1.2331	-1.1878	-1.2080	-1.0755	-0.4266
0.875	*******	-1.1724	-1.0891	-1.0062	-0.4300
0.900	-1.1901	-1.1554	-1.0432	-0.9458	*******
0.925	*******	-1.1169	-1.0468	-0.9460	-0.4074
0.950	-1.2295	-1.0943	-1.0520	-0.9585	-0.3671
0.975	*******	-1.0836	-1.0446	-0.9617	-0.3478

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.4429	0.3947	0.3838	*******	-0.5543
-0.400	0.4409	0.4000	0.3583	0.1685	-0.6211
-0.600	*******	0.4075	0.3532	0.1988	-0.5949
-0.700	*******	0.4110	0.3524	0.2133	-0.5586
-0.800	0.4468	0.4136	0.3559	0.2353	-0.4730
-0.850	0.4237	0.3950	0.3566	0.2434	-0.4484
-0.900	0.3762	0.3701	0.3329	0.2467	-0.3959
-0.950	*******	*******	0.2496	0.1949	-0.1027
-0.975	*******	0.1494	0.1215	0.0978	-0.0394

Surface Pressures



Sharp Radius L.E.

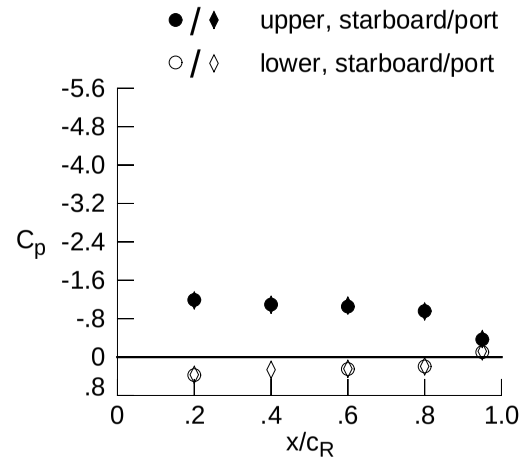
Run No. = 93 , Point No. = 2072

C_N = 0.903, C_m = -0.1390

α = 18.5 °, M_∞ = 0.849

$R_{mac} = 35.9 \times 10^6$

Surface Pressures Near Leading Edge

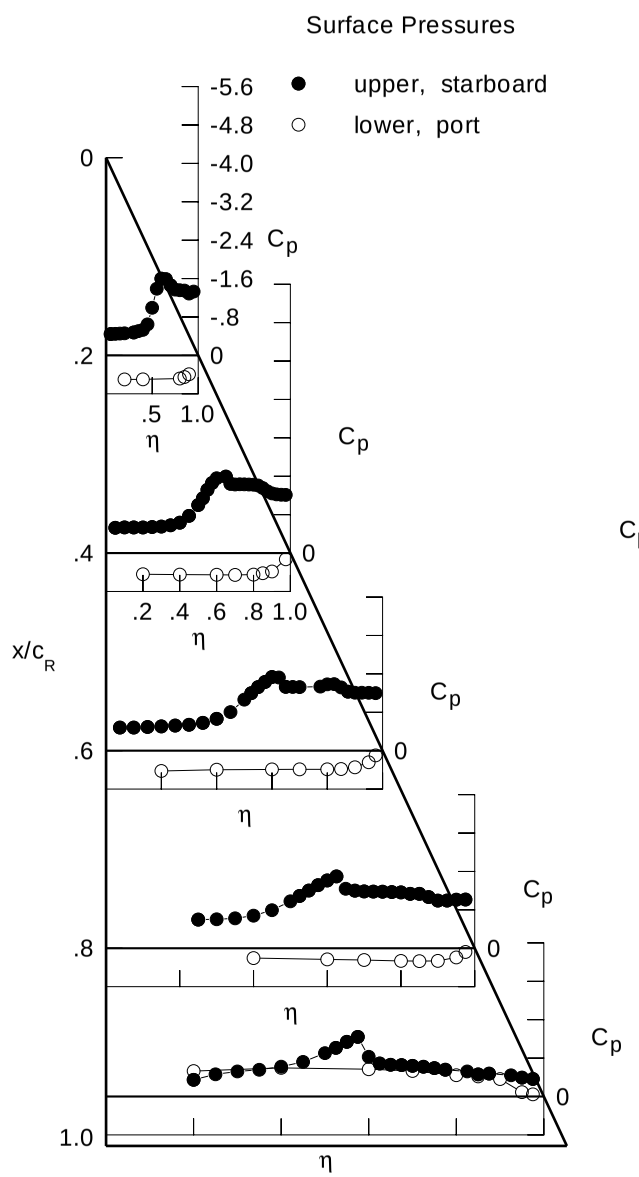


x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.1901	-1.1817	0.3678	0.3762
0.40	0.95	-1.0943	-1.0900	0.2642	*******
0.60	0.95	-1.0520	-1.0750	0.2431	0.2496
0.80	0.95	-0.9585	-0.9519	0.1932	0.1949
0.95	0.95	-0.3671	-0.3754	-0.1212	-0.1027

Table C3. Concluded.

η	x/c_R .2 $C_{p,u}$	x/c_R .4 $C_{p,u}$	x/c_R .6 $C_{p,u}$	x/c_R .8 $C_{p,u}$	x/c_R .95 $C_{p,u}$
0.050	-0.4451	-0.5257	-0.4803	*******	*******
0.100	-0.4484	-0.5335	-0.4807	*******	*******
0.150	-0.4542	-0.5330	-0.4931	*******	*******
0.200	-0.4603	-0.5324	-0.5047	*******	-0.3483
0.250	*******	-0.5419	-0.5226	-0.5978	-0.4622
0.300	-0.4778	-0.5514	-0.5395	-0.6036	-0.5222
0.350	-0.5055	-0.5778	-0.5793	-0.6238	-0.5571
0.400	-0.5317	-0.6322	-0.6629	-0.6791	-0.6211
0.450	-0.6468	-0.7745	-0.8033	-0.7934	-0.7209
0.500	-0.9917	-1.0000	-1.0624	-0.9785	-0.9030
0.525	*******	-1.1403	-1.1968	-1.0901	-1.0134
0.550	-1.3891	-1.3176	-1.3239	-1.2031	-1.1394
0.575	*******	-1.4590	-1.4309	-1.3152	-1.2424
0.600	-1.5987	-1.5584	-1.5344	-1.4125	-0.8268
0.625	*******	*******	-1.5238	-1.4971	-0.6879
0.650	-1.5908	-1.5924	-1.3291	-1.2398	-0.6610
0.675	*******	-1.4434	-1.3271	-1.2008	-0.6547
0.700	-1.4590	-1.4276	-1.3236	-1.1850	-0.6390
0.725	*******	-1.4330	*******	-1.1809	-0.6199
0.750	-1.3701	-1.4311	*******	-1.1785	-0.5922
0.775	*******	-1.4273	-1.3335	-1.1709	-0.5576
0.800	-1.3572	-1.4230	-1.3809	-1.1639	*******
0.825	*******	-1.4075	-1.3866	-1.1345	-0.5228
0.850	-1.3507	-1.3545	-1.3174	-1.1342	-0.4605
0.875	*******	-1.2864	-1.2282	-1.0678	-0.4765
0.900	-1.2883	-1.2426	-1.2067	-0.9938	*******
0.925	*******	-1.2222	-1.2065	-0.9946	-0.4420
0.950	-1.3293	-1.2143	-1.2047	-1.0119	-0.3939
0.975	*******	-1.2111	-1.1979	-1.0153	-0.3659

	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$	$C_{p,l}$
-0.200	0.5010	0.4417	0.4232	*******	-0.5303
-0.400	0.4993	0.4488	0.3973	0.2041	-0.5963
-0.600	*******	0.4530	0.3916	0.2314	-0.5691
-0.700	*******	0.4563	0.3899	0.2447	-0.5319
-0.800	0.4827	0.4494	0.3890	0.2634	-0.4437
-0.850	0.4514	0.4204	0.3835	0.2679	-0.4184
-0.900	0.3924	0.3846	0.3471	0.2626	-0.3629
-0.950	*******	*******	0.2427	0.1906	-0.0912
-0.975	*******	0.1308	0.0994	0.0771	-0.0452



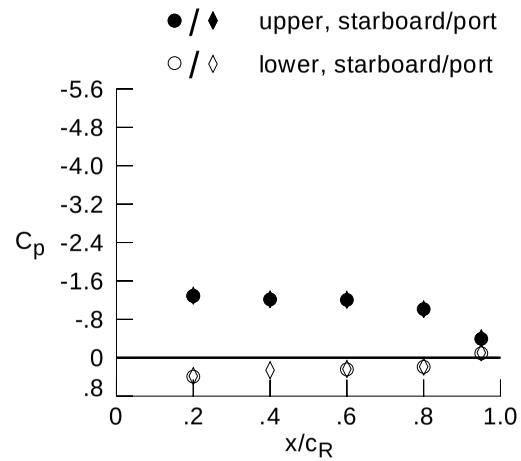
Sharp Radius L.E.

Run No. = 93 , Point No. = 2073

C_N = 1.029, C_m = -0.1672

α = 20.6 °, M_∞ = 0.848

R_{mac} = 35.9×10^6



x/c_R	η	$C_{p,u}$ starb'd	$C_{p,u}$ port	$C_{p,l}$ starb'd	$C_{p,l}$ port
0.20	0.90	-1.2883	-1.2912	0.3822	0.3924
0.40	0.95	-1.2143	-1.2158	0.2588	*******
0.60	0.95	-1.2047	-1.2036	0.2346	0.2427
0.80	0.95	-1.0119	-1.0080	0.1882	0.1906
0.95	0.95	-0.3939	-0.4052	-0.1075	-0.0912