Table 4.1: Test Matrix and Run Number Index

Model (Builder) Designer	Configuration	V-dist & Profile		Drag Data				Lift & Moment Data			
		Fig.	p.	Fig.	p.	*Re*	Run #	Fig.	p.	*Re*	Run #
AG12	Clean	4.1	30	4.3	31	40,000	BB05707	4.4	32	40,000	BB05706
(M. Drela, et al.)		4.2				60,000	BB05637			60,000	JB05636
Drela						80,000	TS05641	4.4	33	80,000	TS05640
						100,000	BB05639			100,000	BB05638
						150,000	JB05643	4.4	34	150,000	BM05642
						200,000	JB05645			200,000	JB05644
						300,000	JB05647	4.4	35	300,000	BB05646
AG16	Clean	4.5	36	4.7	37	40,000	BB05695	4.8	38	40,000	BB05694
(M. Drela, et al.)		4.6				60,000	TS05699			60,000	TS05698
Drela						80,000	JB05687	4.8	39	80,000	JB05686
						100,000	TS05689			100,000	TS05688
						150,000	BM05691	4.8	40	150,000	BM05690
						200,000	BM05693			200,000	BM05692
						300,000	JB05697	4.8	41	300,000	JB05696
AG24	Clean	4.9	42	4.11	43	60,000	BB05531	4.12	44	60,000	BB05530
(M. Drela, et al.)		4.10				80,000	BM05533			80,000	BM05532
Drela						100,000	BM05535	4.12	45	100,000	BM05534
						150,000	BB05537			150,000	BB05536
						200,000	BM05539	4.12	46	200,000	BM05538
						300,000	BM05541			300,000	BM05540
						400,000	BM05543	4.12	47	400,000	BM05542
AG35-r	Clean	4.13	48	4.15	49	60,000	BM05388	4.16	50	60,000	BM05387
(M. Drela, et al.)		4.14				80,000	BB05396			80,000	BM05395
Drela						100,000	BB05391	4.16	51	100,000	BB05389
						150,000	BM05393/BM05394			150,000	BM05392
						200,000	BM05398/BM05399	4.16	52	200,000	BM05397
						300,000	BB05402			300,000	BM05401
AG40d-02r	Clean	4.17	54	4.19	55	60,000	TS05712	4.20	56	60,000	JB05711
(M. Drela, et al.)	0 deg flap	4.18				80,000	BM05714			80,000	TS05713
Drela						100,000	BM05716	4.20	57	100,000	BM05715
						150,000	BB05718			150,000	BB05717
						200,000	BB05720	4.20	58	200,000	BB05719
						300,000	JB05722			300,000	JB05721
(continues)						500,000	JB05724	4.20	59	500,000	JB05723

Table 4.1: Continued

AG40d-02r (continued)	Clean -2 deg flap	4.21	60	4.22	61	60,000	JB05735	4.23	62	60,000	JB05734
						80,000	JB05749			80,000	JB05748
						100,000	BB05731	4.23	63	100,000	BB05730
						150,000	JB05751			150,000	JB05750
						200,000	BB05733	4.23	64	200,000	BB05732
						300,000	JB05730			300,000	JB05729
						450,000	JB05737	4.23	65	450,000	JB05736
	Clean 2 deg flap	4.24	66	4.25	67	60,000	TS05740	4.26	68	60,000	TS05741
						80,000	BB05823			80,000	BB05822
						100,000	TS05743	4.26	69	100,000	TS05742
						150,000	JB05821			150,000	JB05820
						200,000	BB05745	4.26	70	200,000	BB05744
						300,000	BB05747			300,000	BB05746
	Clean 4 deg flap	4.27	72	4.28	73	60,000	TS05753	4.29	74	60,000	TS05752
						80,000	BB05830			80,000	BB05829
						100,000	BM05755	4.29	75	100,000	BM05754
						150,000	BB05828			150,000	BB05827
						200,000	BB05757	4.29	76	200,000	BB05756
						300,000	JB05759			300,000	BB05758
	Clean -15 deg flap	4.30	78	4.31	79	100,000	JB05762	4.32	80	100,000	JB05761
	Clean -10 deg flap	4.33	82	4.34	83	100,000	BB05779	4.35	84	100,000	BB05778
	Clean -5 deg flap	4.36	86	4.37	87	100,000	BB05767	4.38	88	100,000	BB05766
	Clean 5 deg flap	4.39	90	4.40	91	100,000	BM05770	4.41	92	100,000	BM05769
	Clean 10 deg flap	4.42	94	4.43	95	100,000	JB05773	4.44	96	100,000	JB05772
	Clean 15 deg flap	4.45	98	4.46	99	100,000	TS05776	4.47	100	100,000	TS05775
	Clean 20 deg flap	4.48	102	4.49	103	40,000	BB05825	4.50	104	40,000	BB05824
(continues)	Clean 30 deg flap	4.51	106					4.52	107	40,000	BB05826

Table 4.1: Continued

AG40d-02r (continued)	Clean, gap sealed 0 deg flap			4.53	109	100,000	BM05815	4.54	110	100,000	BM05814
						200,000	TS05799			200,000	TS05798
						300,000	BB05801	4.54	111	300,000	BB05800
	Clean, gap sealed -2 deg flap			4.55	113	100,000	JB05819	4.56	114	100,000	JB05818
						200,000	JB05795			200,000	JB05794
						300,000	BM05817			300,000	BM05816
						500,000	TS05797	4.56	115	500,000	TS05796
	Clean, gap sealed 4 deg flap			4.57	117	60,000	BB05813	4.58	118	60,000	BB05812
						100,000	JB05809			100,000	JB05808
						200,000	JB05811	4.58	119	200,000	JB05810
	Aileron Response			4.59	121	100,000					
AG455ct-02r (M. Drela, et al.) Drela	Clean -0.4 deg flap	4.60	122	4.62	123	60,000	BM05458	4.63	124	60,000	BM05456
		4.61				80,000	BB05461			80,000	BM05459
						100,000	BB05462	4.63	125	100,000	BM05460
						150,000	BM05464			150,000	BM05463
						200,000	BM05466	4.63	126	200,000	BM05465
						300,000	BB05468			300,000	BB05467
	Clean -2.4 deg flap	4.64	128	4.65	129	60,000	BM05445	4.66	130	60,000	BM05444
						80,000	BM05447			80,000	BM05446
						100,000	BM05449	4.66	131	100,000	BB05448
						150,000	BM05451			150,000	BM05450
						200,000	BB05453	4.66	132	200,000	BB05452
						300,000	BM05455			300,000	BB05454
						450,000	BM05529	4.66	133	450,000	BM05528
	Clean 1.6 deg flap	4.67	134	4.68	135	40,000	BM05471	4.69	136	40,000	BB05469
						60,000	BM05472			60,000	BB05470
						80,000	BM05474	4.69	137	80,000	BM05473
						100,000	BB05476			100,000	BB05475
						150,000	BM05478	4.69	138	150,000	BM05477
	Clean 3.6 deg flap	4.70	140	4.71	141	40,000	BM05480	4.72	142	40,000	BM05479
						60,000	BB05482			60,000	BB05481
						80,000	BB05484	4.72	143	80,000	BB05483
						100,000	BM05486			100,000	BM05485
						150,000	BM05488	4.72	144	150,000	BM05487

(continues)

Table 4.1: Continued

AG455ct-02r (continued)	Clean -15.4 deg flap	4.73	146	4.74	147	60,000 100,000	BB05502 BM05504	4.75	148	60,000 100,000	BM05501 BM05503
	Clean -10.4 deg flap	4.76	150	4.77	151	60,000 100,000	BM05506 BB05508	4.78	152	60,000 100,000	BM05505 BM05507
	Clean -5.4 deg flap	4.79	154	4.80	155	60,000 100,000	BB05511/BM05513 BB05515	4.81	156	60,000 100,000	BB05510 BB05514
	Clean 4.6 deg flap	4.82	158	4.83	159	60,000 100,000	BM05517 BM05519	4.84	160	60,000 100,000	BM05516 BM05518
	Clean 9.6 deg flap	4.85	162	4.86	163	60,000 100,000	BM05521 BB05523	4.87	164	60,000 100,000	BM05520 BB05522
	Clean 14.6 deg flap	4.88	166	4.89	167	60,000 100,000	BB05525 BM05527	4.90	168	60,000 100,000	BB05524 BM05526
	Clean, gap sealed -0.4 deg flap			4.91	169	60,000 100,000	BM05494 BM05496	4.92	170	60,000 100,000	BM05493 BM05495
	Clean, gap sealed -2.4 deg flap			4.93	171	100,000 300,000	BB05498 BM05500	4.94	172	100,000 300,000	BB05497 BB05499
	Clean, gap sealed 3.6 deg flap			4.95	173	40,000 60,000	BB05490 BM05492	4.96	174	40,000 60,000	BM05489 BB05491
	Aileron Response			4.97 4.98	175 176	60,000 100,000					
CAL1215j (T. Lampe) Lyon	Clean	4.99 4.100	178	4.101	179	100,000 200,000 300,000 400,000 500,000	BM05557 BM05562 BB05564 BM05566 BM05568	4.102 4.102 4.102	180 181 182	100,000 200,000 300,000 400,000 500,000	BM05556 BM05558 BB05563 BM05565 BM05567
CAL2263m (C. Greaves) Lyon	Clean	4.103 4.104	184	4.105	185	60,000 100,000 200,000 300,000 400,000 500,000	BB05416/BM05417 BM05439 BB05422 BB05424 BB05428 BB05441	4.106 4.106 4.106	186 187 188	60,000 100,000 200,000 300,000 400,000 500,000	BB05415 BM05438 BB05421 BB05423 BB05427 BB05440
CAL4014l (J. Thomas) Lyon	Clean	4.107 4.108	190	4.109	191	100,000 200,000 300,000 400,000 500,000	BB05545 BM05547/BM05548 BM05550 BB05555 BB05553	4.110 4.110 4.110	192 193 194	100,000 200,000 300,000 400,000 500,000	BB05544 BB05546 BM05549 BB05554 BB05552

Table 4.1: Continued

E387 (E) (Y. Tinel) Eppler	Clean	4.111 4.112	196	4.113	197	60,000 100,000 200,000 300,000 460,000	BB05385 BM05374 BM05376 BB05381 BM05384	4.114 4.114 4.114	198 199 200	100,000 200,000 300,000 400,000 500,000	BM05372 BM05373 BM05378 BM05379 BM05383
Flat Plate (C. Goudeseune & M. Goudeseune)	Baseline	4.115	202					4.116 4.116 4.116	203 204 205	40,000 60,000 80,000 100,000 120,000	RD06131 JB06129 RD06132 RD06133 KT06135
	Serrations A	4.117	206					4.118 4.118 4.118	207 208 209	40,000 60,000 80,000 100,000 120,000	JB06153 JB06152 JB06151 JB06154 JB06155
	Serrations B	4.119	210					4.120 4.120 4.120	211 212 213	40,000 60,000 80,000 100,000 120,000	PG06168 RD06163 RD06164 PG06165 PG06166
	Serrations C	4.121	214					4.122 4.122 4.122	215 216 217	40,000 60,000 80,000 100,000 120,000	RD06157 RD06158 RD06159 RD06160 RD06161
	Serrations D	4.123	218					4.124 4.124 4.124	219 220 221	40,000 60,000 80,000 100,000 120,000	KT06142 KT06145 KT06144 KT06146 RD06147
	Square Wave	4.125	222					4.126 4.126 4.126	223 224 225	40,000 60,000 80,000 100,000 120,000	PG06169 PG06170 PG06171 PG06172 PG06173

(continues)

Table 4.1: Continued

Flat Plate (continued)	Small Holes	4.127	226					4.128	227	40,000	KT06182
										60,000	KT06183
								4.128	228	100,000	KT06184
	Large Holes	4.129	230					4.130	231	60,000	RD06175
										100,000	RD06176
	Small Cubes	4.131	232					4.132	233	40,000	KT06186
										60,000	KT06187
								4.132	234	100,000	KT06188
	Large Cubes	4.133	236					4.134	237	40,000	PG06179
										60,000	PG06178
								4.134	238	100,000	PG06180
MA409 (R. Cooney) Achterberg	Clean	4.135	240	4.137	241	40,000	06269RD	4.138	242	40,000	06268RD
		4.136				60,000	06265RD			60,000	06264RD
						100,000	06267RD	4.138	243	100,000	06266RD
						200,000	06271RD			200,000	06270RD
						300,000	06274RD	4.138	244	300,000	06273RD
NACA 43012A (M. Nankivil)	Clean	4.139	246	4.141	247	60,000	BB05887	4.142	248	60,000	BB05886
		4.140				100,000	JB05890			100,000	JB05889
						200,000	TS05892/BM05893	4.142	249	200,000	TS05891
						300,000	BB05897			300,000	BB05896
						400,000	JB05899	4.142	250	400,000	JB05898
						500,000	JB05901			500,000	JB05900
S1223 (Y. Tinel) Selig	Clean	4.143	252					4.145	253	80,000	RD06080
		4.144								100,000	RD06081
								4.145	254	120,000	RD06082
										140,000	PG06083
								4.145	255	160,000	PG06084
										180,000	PG06085
								4.145	256	200,000	PG06086
										250,000	KT06087
	Gurney flap h/c = 4.17%							4.146	257	160,000	PG06121
										180,000	PG06120
								4.146	258	200,000	JB06118
(continues)										250,000	JB06119

Table 4.1: Continued

S1223 (continued)	Gurney flap h/c = 3.12%							4.147	259	140,000	PG06113
										160,000	JB06117
								4.147	260	180,000	JB06116
										200,000	JB06114
								4.147	261	250,000	JB06115
	Gurney flap h/c = 2.08%							4.148	263	160,000	KT06099
										180,000	KT06098
								4.148	264	200,000	JB06097
										250,000	JB06096
	Gurney flap h/c = 1.56%							4.149	265	160,000	RD06092
										180,000	RD06093
								4.149	266	200,000	RD06094
										250,000	JB06095
	Gurney flap h/c = 1.04%							4.150	267	160,000	KT06091
										180,000	KT06090
								4.150	268	200,000	KT06089
										250,000	PG06088
	u.s.t. t/c = 0.11%							4.151	269	160,000	06557RD
										180,000	06558RD
	u.s.t. t/c = 0.19%							4.152	271	160,000	06555RD
										180,000	06556RD
S8064 (T. Lampe) Selig	Clean	4.153	272	4.155	273	100,000	JB05614	4.156	274	100,000	BB05616
		4.154				200,000	BB05617			200,000	JB05615
						300,000	TS05619	4.156	275	300,000	BB05618
						400,000	BM05622			400,000	BM05621
						500,000	BM05624	4.156	276	500,000	BM05623
S9000 (T. Akers) Selig	Clean 0 deg flap	4.157	278	4.159	279	60,000	BM05781	4.160	280	60,000	BM05780
		4.158				100,000	JB05784			100,000	JB05783
						200,000	TS05786	4.160	281	200,000	TS05785
						300,000	BB05788			300,000	BB05787
						400,000	BM05790/BM05791	4.160	282	400,000	BB05789
						500,000	BM05793			500,000	BM05792

(continues)

Table 4.1: Continued

S9000 (continued)	Clean 2.5 deg flap	4.161	284	4.162	285	60,000	JB05840	4.163	286	60,000	JB05839
						100,000	TS05842/BB05843			100,000	TS05841
						200,000	JB05838	4.163	287	200,000	BM05837
						300,000	BB05846			300,000	BB05845
						400,000	JB05848	4.163	288	400,000	BB05847
						500,000	JB05850			500,000	JB05849
	Clean 5 deg flap	4.164	290	4.165	291	60,000	TS05853/TS05854	4.166	292	60,000	JB05851
						100,000	BM05856			100,000	BM05855
						200,000	BB05858	4.166	293	200,000	BM05857
						300,000	BB05860			300,000	BB05859
						400,000	TS05881	4.166	294	400,000	BM05880
						500,000	BM05884			500,000	BM05883