

First 29

Hélice Bec de canard

----- 3.0 knots True Wind Speed -----									
	36.0	4.5	26.3	1.612	1.304	.8	4.56	1.00	1.00
	44.0	4.7	30.6	2.018	1.451	.9	3.32	1.00	1.00
OPT Tack	46.9	4.8	32.0	2.140	1.462	.9	3.04	1.00	1.00
	52.0	4.8	34.3	2.325	1.432	.9	2.66	1.00	1.00
	60.0	4.9	37.9	2.547	1.274	.9	2.23	1.00	1.00
	70.0	4.7	42.5	2.714	.928	.9	1.86	1.00	1.00
	80.0	4.5	47.6	2.774	.482	.8	1.58	1.00	1.00
	83.7			^ Genoa / Spinnaker v					
	90.0	4.2	52.5	2.848	0.000	.8	1.29	1.00	1.00
	105.0	3.5	62.1	2.739	-.709	.6	.96	1.00	1.00
	120.0	2.8	75.6	2.458	-1.229	.3	.64	1.00	1.00
	135.0	2.2	95.7	2.081	-1.472	.1	.36	1.00	1.00
OPT Gybe	142.6	1.9	108.7	1.891	-1.502	.1	.24	1.00	1.00
	150.0	1.8	122.9	1.706	-1.477	0.0	.16	1.00	1.00
	165.0	1.7	151.8	1.478	-1.427	0.0	.10	1.00	1.00
	180.0	1.7	180.0	1.369	-1.369	0.0	.04	1.00	1.00
----- Handicaps: ----- (seconds/mile) -----									
Optimum Tack:	2462.6	Gybe:	2397.4	60deg:	1413.2	~100:	1297.1	135:	1729.8
Linear-random:	1696.8	Circ:	1799.2	Olymp:	2259.1	W/L:	2430.0	AC92:	2192.4
BELL Versions:	1833.2		:1899.0		:2520.1		:2720.8	GPH:	722.7

----- 4.0 knots True Wind Speed -----									
	36.0	5.9	26.3	2.120	1.715	1.4	4.65	1.00	1.00
	44.0	6.2	30.7	2.633	1.894	1.5	3.41	1.00	1.00
OPT Tack	46.1	6.3	31.8	2.742	1.902	1.6	3.20	1.00	1.00
	52.0	6.4	34.6	3.003	1.849	1.6	2.76	1.00	1.00
	60.0	6.4	38.4	3.261	1.630	1.6	2.33	1.00	1.00
	70.0	6.2	43.4	3.449	1.180	1.5	1.95	1.00	1.00
	80.0	5.8	48.7	3.517	.611	1.3	1.66	1.00	1.00
	80.6			^ Genoa / Spinnaker v					
	90.0	5.5	53.8	3.627	0.000	1.4	1.35	1.00	1.00
	105.0	4.6	63.7	3.488	-.903	.9	.99	1.00	1.00
	120.0	3.7	77.2	3.162	-1.581	.5	.66	1.00	1.00
	135.0	2.9	96.7	2.719	-1.923	.2	.36	1.00	1.00
OPT Gybe	143.3	2.6	110.6	2.462	-1.973	.1	.23	1.00	1.00
	150.0	2.4	123.4	2.250	-1.949	.1	.17	1.00	1.00
	165.0	2.2	152.0	1.956	-1.889	0.0	.10	1.00	1.00
	180.0	2.3	180.0	1.814	-1.814	0.0	.04	1.00	1.00
----- Handicaps: ----- (seconds/mile) -----									
Optimum Tack:	1893.1	Gybe:	1824.2	60deg:	1104.1	~100:	1018.7	135:	1324.1
Linear-random:	1311.5	Circ:	1381.5	Olymp:	1731.8	W/L:	1858.7	AC92:	1681.4
BELL Versions:	1400.7		:1448.2		:1905.4		:2055.9	GPH:	722.7

----- 6.0 knots True Wind Speed -----

	36.0	8.8	26.4	3.051	2.468	3.2	4.91	1.00	1.00
	44.0	9.1	31.1	3.707	2.666	3.6	3.68	1.00	1.00
OPT Tack	45.0	9.2	31.6	3.774	2.669	3.6	3.58	1.00	1.00
	52.0	9.3	35.3	4.176	2.571	3.8	3.00	1.00	1.00
	60.0	9.2	39.5	4.508	2.254	3.7	2.55	1.00	1.00
	70.0	8.9	44.8	4.756	1.627	3.4	2.14	1.00	1.00

----- 77.4 ----- ^ Genoa / Spinnaker v -----

	80.0	8.5	50.0	4.942	.858	3.6	1.72	1.00	1.00
	90.0	7.9	55.7	5.042	0.000	3.1	1.46	1.00	1.00
	105.0	6.7	66.3	4.840	-1.253	2.0	1.06	1.00	1.00
	120.0	5.5	80.2	4.407	-2.204	1.1	.70	1.00	1.00
	135.0	4.3	99.4	3.853	-2.725	.4	.38	1.00	1.00
OPT Gybe	145.5	3.8	116.7	3.434	-2.832	.2	.22	1.00	1.00
	150.0	3.7	124.8	3.260	-2.823	.1	.18	1.00	1.00
	165.0	3.4	152.4	2.877	-2.779	.1	.11	1.00	1.00
	180.0	3.4	180.0	2.680	-2.680	0.0	.04	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----
 Optimum Tack: 1349.0 Gybe:1271.4 60deg: 798.7 ~100: 733.6 135: 934.3
 Linear-random: 930.6 Circ: 972.9 Olymp:1226.3 W/L:1310.2 AC92:1189.1
 BELL Versions: 983.4 :1012.8 :1314.5 :1411.1 GPH: 722.7

----- 8.0 knots True Wind Speed -----

	36.0	11.4	26.3	3.832	3.100	7.4	5.30	1.00	1.00
	44.0	11.9	31.3	4.622	3.325	8.9	3.98	1.00	1.00
OPT Tack	45.1	11.9	31.9	4.715	3.328	9.0	3.85	1.00	1.00
	52.0	12.0	35.6	5.218	3.212	9.5	3.22	1.00	1.00
	60.0	11.9	40.1	5.570	2.785	9.2	2.75	1.00	1.00
	70.0	11.4	46.1	5.783	1.978	7.8	2.35	1.00	1.00

----- 75.8 ----- ^ Genoa / Spinnaker v -----

	80.0	10.8	51.9	5.957	1.034	8.8	1.95	1.00	1.00
	90.0	10.1	58.4	6.009	0.000	6.3	1.62	1.00	1.00
	105.0	8.7	69.2	5.893	-1.525	3.5	1.15	1.00	1.00
	120.0	7.2	82.5	5.551	-2.775	1.8	.73	1.00	1.00
	135.0	5.8	101.4	4.913	-3.474	.7	.39	1.00	1.00
OPT Gybe	149.6	5.0	125.6	4.195	-3.619	.3	.20	1.00	1.00
	150.0	5.0	126.3	4.179	-3.619	.3	.19	1.00	1.00
	165.0	4.6	153.0	3.727	-3.600	.1	.12	1.00	1.00
	180.0	4.7	180.0	3.487	-3.487	0.0	.05	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----
 Optimum Tack: 1081.8 Gybe: 994.8 60deg: 646.3 ~100: 606.9 135: 732.8
 Linear-random: 749.9 Circ: 779.7 Olymp: 974.6 W/L:1038.3 AC92: 945.8
 BELL Versions: 790.6 : 811.3 :1047.9 :1110.5 GPH: 722.7

----- 10.0 knots True Wind Speed -----

	36.0	13.9	25.9	4.413	3.570	14.9	5.83	1.00	1.00
OPT Tack	43.8	14.3	30.8	5.305	3.827	17.2	4.35	1.00	1.00
	44.0	14.3	30.9	5.320	3.827	17.3	4.33	1.00	1.00
	52.0	14.2	35.8	5.827	3.587	17.5	3.61	1.00	1.00
	60.0	14.0	40.9	6.101	3.050	16.4	3.15	1.00	1.00
	70.0	13.4	47.6	6.288	2.151	14.1	2.72	1.00	1.00

----- 73.9 ----- ^ Genoa / Spinnaker v -----

	80.0	12.6	54.1	6.451	1.120	15.5	2.25	1.00	1.00
	90.0	11.9	61.4	6.526	0.000	11.5	1.85	1.00	1.00
	105.0	10.5	73.1	6.475	-1.676	5.5	1.30	1.00	1.00
	120.0	8.9	86.6	6.229	-3.114	2.6	.81	1.00	1.00
	135.0	7.3	103.8	5.799	-4.101	1.1	.41	1.00	1.00
	150.0	6.3	127.3	5.079	-4.399	.4	.21	1.00	1.00
OPT Gybe	155.7	6.1	137.2	4.829	-4.401	.3	.18	1.00	1.00
	165.0	5.9	153.5	4.538	-4.383	.2	.13	1.00	1.00
	180.0	5.9	179.9	4.251	-4.251	.1	.05	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----
 Optimum Tack: 940.6 Gybe: 818.0 60deg: 590.1 ~100: 554.5 135: 620.7
 Linear-random: 660.0 Circ: 678.9 Olymp: 834.4 W/L: 879.3 AC92: 808.9
 BELL Versions: 684.6 : 699.5 : 889.4 : 927.9 GPH: 722.7

----- 12.0 knots True Wind Speed -----

	36.0	16.1	25.2	4.791	3.876	19.5	5.77	.87	1.00
OPT Tack	42.1	16.3	29.2	5.505	4.081	22.4	4.70	.90	1.00
	44.0	16.3	30.3	5.653	4.066	23.0	4.52	.91	1.00
	52.0	16.0	35.4	6.103	3.758	25.1	4.05	.98	1.00
	60.0	15.7	41.0	6.383	3.191	24.0	3.59	1.00	1.00
	70.0	15.1	48.4	6.596	2.256	20.9	3.09	1.00	1.00

----- 77.1 ----- ^ Genoa / Spinnaker v -----

	80.0	14.1	55.5	6.756	1.173	22.2	2.52	1.00	1.00
	90.0	13.5	63.6	6.883	0.000	17.1	2.08	1.00	1.00
	105.0	12.2	76.2	6.901	-1.786	9.2	1.46	1.00	1.00
	120.0	10.6	90.3	6.709	-3.354	3.5	.90	1.00	1.00
	135.0	8.9	107.3	6.354	-4.493	1.5	.45	1.00	1.00
	150.0	7.7	128.8	5.819	-5.040	.6	.23	1.00	1.00
OPT Gybe	162.5	7.2	149.6	5.411	-5.161	.3	.15	1.00	1.00
	165.0	7.2	153.9	5.339	-5.157	.3	.13	1.00	1.00
	180.0	7.2	179.9	5.009	-5.009	.1	.06	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----
 Optimum Tack: 882.1 Gybe: 697.5 60deg: 564.0 ~100: 522.1 135: 566.6
 Linear-random: 608.2 Circ: 621.5 Olymp: 765.6 W/L: 789.8 AC92: 735.7
 BELL Versions: 622.3 : 634.1 : 793.1 : 815.5 GPH: 722.7

----- 14.0 knots True Wind Speed -----

	36.0	18.1	24.6	5.024	4.064	23.0	5.78	.76	1.00
OPT Tack	41.2	18.2	28.1	5.612	4.223	25.2	4.84	.77	1.00
	44.0	18.2	29.9	5.825	4.190	26.0	4.56	.79	1.00
	52.0	17.8	35.2	6.245	3.845	28.0	4.11	.85	1.00
	60.0	17.1	40.8	6.525	3.263	29.3	3.84	.94	1.00
	70.0	16.4	48.5	6.780	2.319	27.8	3.44	1.00	1.00
	80.0	15.8	57.0	6.968	1.210	23.2	2.93	1.00	1.00

----- 83.2 ----- ^ Genoa / Spinnaker v -----

	90.0	14.8	65.2	7.137	0.000	22.9	2.28	1.00	1.00
	105.0	13.8	78.7	7.246	-1.875	13.3	1.61	1.00	1.00
	120.0	12.3	93.2	7.111	-3.556	4.8	1.00	1.00	1.00
	135.0	10.6	110.2	6.783	-4.796	1.9	.51	1.00	1.00
	150.0	9.3	130.8	6.327	-5.479	.8	.27	1.00	1.00
	165.0	8.6	154.7	5.955	-5.752	.4	.15	1.00	1.00
OPT Gybe	168.6	8.6	160.7	5.877	-5.761	.3	.13	1.00	1.00
	180.0	8.6	179.9	5.685	-5.685	.2	.06	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----
 Optimum Tack: 852.5 Gybe: 624.9 60deg: 551.7 ~100: 499.3 135: 530.8
 Linear-random: 575.9 Circ: 587.4 Olymp: 726.4 W/L: 738.7 AC92: 693.1
 BELL Versions: 584.0 : 594.9 : 738.7 : 750.9 GPH: 722.7

----- 16.0 knots True Wind Speed -----

	36.0	20.0	24.0	5.136	4.155	25.7	5.89	.66	1.00
OPT Tack	40.9	20.1	27.5	5.682	4.297	27.2	4.98	.69	.99
	44.0	20.0	29.7	5.918	4.257	27.9	4.67	.73	.97
	52.0	19.5	35.3	6.333	3.899	29.4	4.23	.83	.95
	60.0	18.8	41.1	6.614	3.307	30.3	3.94	.92	.95
	70.0	17.8	48.9	6.882	2.354	30.7	3.61	1.00	.96
	80.0	16.9	57.4	7.121	1.237	29.1	3.18	1.00	1.00

----- 87.2 ----- ^ Genoa / Spinnaker v -----

	90.0	15.9	66.3	7.317	0.000	28.4	2.44	1.00	1.00
	105.0	15.3	80.7	7.538	-1.951	17.6	1.75	1.00	1.00
	120.0	14.0	95.5	7.476	-3.738	7.1	1.10	1.00	1.00
	135.0	12.3	112.6	7.154	-5.059	2.4	.57	1.00	1.00
	150.0	11.0	132.7	6.736	-5.834	1.1	.32	1.00	1.00
	165.0	10.2	155.6	6.413	-6.194	.6	.18	1.00	1.00
OPT Gybe	171.6	10.1	166.3	6.295	-6.227	.4	.13	1.00	1.00
	180.0	10.1	179.9	6.181	-6.181	.2	.07	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----
 Optimum Tack: 837.7 Gybe: 578.1 60deg: 544.3 ~100: 482.3 135: 503.2
 Linear-random: 554.0 Circ: 565.7 Olymp: 702.4 W/L: 707.9 AC92: 666.6
 BELL Versions: 558.6 : 569.8 : 707.7 : 714.0 GPH: 722.7

----- 20.0 knots True Wind Speed -----

	36.0	23.8	23.5	5.171	4.183	26.9	6.42	.66	.89
OPT Tack	41.1	23.8	27.6	5.791	4.362	28.4	5.32	.72	.87
	44.0	23.7	29.8	6.014	4.326	29.0	5.01	.76	.86
	52.0	23.1	35.7	6.444	3.967	30.5	4.50	.86	.84
	60.0	22.3	41.9	6.737	3.369	31.1	4.17	.96	.83
	70.0	21.2	50.2	7.029	2.404	31.2	3.75	1.00	.86
	80.0	19.9	59.0	7.301	1.268	31.4	3.34	1.00	.91

----- 89.6 ----- ^ Genoa / Spinnaker v -----

	90.0	18.7	68.6	7.555	0.000	31.0	2.55	1.00	.92
	105.0	17.6	83.8	7.988	-2.068	26.1	1.93	1.00	1.00
	120.0	17.2	99.0	8.147	-4.073	13.1	1.26	1.00	1.00
	135.0	15.8	115.8	7.851	-5.552	3.8	.71	1.00	1.00
	150.0	14.4	135.3	7.433	-6.438	1.9	.43	1.00	1.00
	165.0	13.6	157.0	7.136	-6.892	1.0	.25	1.00	1.00
OPT Gybe	173.7	13.4	170.2	7.000	-6.957	.6	.16	1.00	1.00
	180.0	13.4	179.9	6.924	-6.924	.4	.11	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----
 Optimum Tack: 825.3 Gybe: 517.4 60deg: 534.4 ~100: 459.0 135: 458.5
 Linear-random: 523.7 Circ: 537.8 Olymp: 672.6 W/L: 671.4 AC92: 633.4
 BELL Versions: 525.2 : 539.2 : 674.5 : 673.8 GPH: 722.7

----- 24.0 knots True Wind Speed -----

	36.0	27.5	22.9	5.063	4.096	27.7	7.26	.67	.81
OPT Tack	41.8	27.5	27.9	5.859	4.367	29.6	5.67	.74	.78
	44.0	27.3	29.6	6.040	4.345	30.1	5.40	.77	.77
	52.0	26.6	35.9	6.499	4.001	31.4	4.79	.88	.75
	60.0	25.7	42.5	6.811	3.405	31.9	4.40	.98	.75
	70.0	24.4	51.3	7.132	2.439	31.8	3.89	1.00	.77
	80.0	23.0	60.4	7.431	1.290	32.2	3.45	1.00	.82

----- 84.2 ----- ^ Genoa / Spinnaker v -----

	90.0	21.7	70.6	7.740	0.000	31.7	2.61	1.00	.84
	105.0	19.5	86.3	8.294	-2.147	32.6	2.03	1.00	.99
	120.0	20.0	101.6	8.748	-4.374	19.6	1.36	1.00	1.00
	135.0	19.2	117.9	8.559	-6.052	6.9	.83	1.00	1.00
	150.0	17.9	137.0	8.107	-7.020	2.9	.54	1.00	1.00
	165.0	17.0	158.0	7.779	-7.513	1.5	.32	1.00	1.00
OPT Gybe	173.7	16.9	170.6	7.630	-7.584	1.0	.21	1.00	1.00
	180.0	16.9	179.9	7.547	-7.547	.7	.14	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----
 Optimum Tack: 824.4 Gybe: 474.7 60deg: 528.6 ~100: 443.9 135: 420.6
 Linear-random: 500.8 Circ: 518.6 Olymp: 654.3 W/L: 649.5 AC92: 612.6
 BELL Versions: 501.5 : 519.2 : 655.4 : 650.5 GPH: 722.7

----- 28.0 knots True Wind Speed -----

	36.0	31.0	21.8	4.790	3.875	28.4	8.65	.67	.74
OPT Tack	42.8	31.0	28.4	5.899	4.329	30.8	6.02	.77	.71
	44.0	30.9	29.4	6.008	4.322	31.1	5.84	.79	.70
	52.0	30.1	36.0	6.512	4.009	32.3	5.09	.90	.69
	60.0	29.0	42.8	6.849	3.424	32.8	4.63	1.00	.68
	70.0	27.6	52.0	7.201	2.463	32.7	4.05	1.00	.71
	80.0	26.1	61.5	7.526	1.307	33.1	3.57	1.00	.75

----- 80.7 ----- ^ Genoa / Spinnaker v -----

	90.0	24.7	72.1	7.888	0.000	32.6	2.68	1.00	.77
	105.0	22.4	88.3	8.523	-2.206	33.5	2.05	1.00	.91
	120.0	22.4	104.0	9.271	-4.636	25.8	1.40	1.00	1.00
	135.0	22.4	119.6	9.285	-6.565	11.9	.92	1.00	1.00
	150.0	21.3	138.1	8.822	-7.640	4.5	.63	1.00	1.00
	165.0	20.5	158.6	8.435	-8.148	2.2	.38	1.00	1.00
OPT Gybe	172.9	20.3	169.7	8.275	-8.211	1.5	.27	1.00	1.00
	180.0	20.3	179.8	8.162	-8.162	1.0	.18	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----

Optimum Tack: 831.6 Gybe: 438.4 60deg: 525.6 ~100: 433.1 135: 387.7
 Linear-random: 481.6 Circ: 504.0 Olymp: 643.0 W/L: 635.0 AC92: 598.5
 BELL Versions: 482.0 : 504.4 : 643.9 : 635.4 GPH: 722.7

----- 32.0 knots True Wind Speed -----

	36.0	34.3	19.5	4.235	3.426	28.5	11.53	.65	.69
OPT Tack	44.0	34.4	29.0	5.916	4.258	32.1	6.38	.79	.65
	44.0	34.4	29.0	5.919	4.258	32.1	6.37	.79	.65
	52.0	33.4	35.9	6.490	3.996	33.4	5.42	.90	.63
	60.0	32.2	42.9	6.858	3.429	33.8	4.86	1.00	.63
	70.0	30.7	52.4	7.243	2.477	33.6	4.21	1.00	.65

----- 77.4 ----- ^ Genoa / Spinnaker v -----

	80.0	29.3	62.8	7.604	1.320	33.2	3.22	1.00	.65
	90.0	27.7	73.2	8.005	0.000	33.5	2.75	1.00	.71
	105.0	25.3	89.9	8.720	-2.257	34.5	2.07	1.00	.85
	120.0	24.4	106.3	9.708	-4.854	31.4	1.41	1.00	1.00
	135.0	25.3	121.1	9.991	-7.065	17.6	.97	1.00	1.00
	150.0	24.6	138.9	9.603	-8.316	7.9	.70	1.00	1.00
	165.0	23.8	158.9	9.152	-8.840	3.1	.44	1.00	1.00
OPT Gybe	171.6	23.7	168.1	8.984	-8.887	2.2	.33	1.00	1.00
	180.0	23.7	179.8	8.815	-8.815	1.3	.21	1.00	1.00

----- Handicaps: ----- (seconds/mile) -----

Optimum Tack: 845.5 Gybe: 405.1 60deg: 524.9 ~100: 424.4 135: 360.3
 Linear-random: 464.7 Circ: 492.8 Olymp: 637.5 W/L: 625.3 AC92: 589.2
 BELL Versions: 464.9 : 493.0 : 638.0 : 625.7 GPH: 722.7

UPRIGHT MEASUREMENT TRIM

DISPLACEMENT..	3100.0	WATER DENSITY.	1025.19	FGO.....	.640
LONG. CG.....	3.259	LWL.....	7.229	FF.....	1.102
VERT. CG.....	-.230	MTmm.....	4.166	FA.....	.926
VERT. CB.....	.207	KgPmm.....	12.152	LBG.....	7.400
METACENTER....	-1.216	WETTED SURF...	16.719	HULL SURF AREA	32.442
LONG. CF.....	3.144	RM/DEG.....	52.314	LCG TOT. SURF.	3.285
VERT. CF.....	.019	MAX. DRAFT....	1.641	VCG TOT. SURF.	-.165

UPRIGHT SAILING TRIM

DISPLACEMENT..	3340.0	WATER DENSITY.	1025.19	FF.....	1.116
LONG. CG.....	3.169	LWL.....	7.365	FA.....	.882
VERT. CG.....	-.142	MTmm.....	4.591	CREW WT.....	240.000
VERT. CB.....	.189	KgPmm.....	12.659	GEAR WT.....	0.000
METACENTER....	-1.209	WETTED SURF...	17.296	SAILING LEN...	7.374
LONG. CF.....	3.052	RM/DEG.....	62.183	RATED BEAM....	2.572
VERT. CF.....	-0.000	MAX. DRAFT....	1.662	EFF. B/Tc.....	5.262
AMAX.....	.767	EFF. DRAFT....	1.602	SUNK LENGTH...	8.250
SA / (DSPL) ^2/3	19.700	SA / WS	2.503	DSPL/LSM (Eng)	234.898
RATED LENGTH..	7.345	AWP / (DSPL) ^2/3	5.619	100* VOL/LSM^3	.822

SAILING TRIM WITH HEEL

HEEL ANGLE	DWL @FF	DWL @FA	RTNG ARM	LONG C.B.	WET SURF.	SAILNG LEN.	EFF. B/Tc
0.0	-.036	.028	-0.000	3.17	17.30	7.374	5.26
2.0	-.036	.027	.037	3.17	17.29	7.373	5.26
10.0	-.036	-.001	.182	3.17	17.20	7.365	5.10
20.0	-.043	-.141	.401	3.21	16.44	7.298	4.56
40.0	-.076	-.369	.526	3.25	15.50	7.069	4.10
60.0	-.174	-.684	.583	3.255	13.82		
90.0	-.408	-.987	.337	3.241	12.61		
120.0	-.629	-1.052	-.078	3.235	13.37		
150.0	-.773	-.891	-.425	3.219	15.11		
170.0	-.824	-.754	-.387	3.175	19.99		

NOTES

1. Long. positions are relative to dig. file origin (+Fwd,-Aft)
2. Vertical positions are relative to DWL (+Below -Abv), except DWL @FF and DWL @FA which locate the DWL relative to the LWL (positive=DWL Below LWL negative=DWL Above LWL)
3. Metacenter ht. is relative to the Center of Flotation, (CF)
4. Dimensions are in currently selected system units

MASTER FILE: 029M11

FILE DATE: 23 Oct 1997
BOAT NAME:
MODIFIER:
DIG_FILE: 01BB2C1D
SERVICE CODE: G
DESIGNER:
STOCK MODEL: first 29 helice ca

HOME:
WORK:
CUSTOMER CODE:

2. SPAR INFO

DT	DTT	DL	DLT	TL	HBIS	HBI	SFJ
.087 0, .5	.087	.136 0,160	.136	0	1.08	1.09	0
DTY	DTTY	DLY	DLTY	TLY	HBIYS		
0	0	0	0	0	0		

3. APPENDAGES INFO

TK	HK	CRK	CTK	TRK	TTK	SK	XTEK	CAK	LCBk
1.66	1.215	1.3	.92	.17	.15	32	2.815	.66	.433
TR	HR	CRR	CTR	TRR	TTR	SR	XTER	CAr	LCBr
1.1	1.1	.5	.35	.07	.06	7	-.74	.682	.421
VOLK	WSK	CBXK	CBZK	VOLR	WSR	CBXR	CBZR	ECMA	XTEC
.143	2.697	3.658	1.005	.021	.935	-.498	.504	0	0

4. PROP INSTALLATION INFO

TYPE	PSA	PSL	PSD	SHL	SHD	PHL	PHD	PRD	PIPA
1	17	.55	.025	.08	.05	.08	.05	.36	.003

5. SAIL INFO

SPL	SMW	SL	I	J	LP	P	E	BAD	RGF
3.61	6.5	10.68	10.65	3.61	5.42	9.12	3.28	1.28	1
PY	EY	YRGF	BADY	EB	YSF	YSMG	YSD	ISPIN	
0	0	0	0	0	0	0	0	10.65	
IGENK	GENKLP	GENKPL	GENKMW	GenkSA	SpinSA	EffWdrd	ActWdrd	TriWdrd	
0	0	0	0	0	32.558	43.293	48.516	34.18	

6. FLOTATION INFO

FGO	LBG	FFS	FAS	FF	FA	RMC	BDK	HEELIM	WATER
.64	7.4	1.08	.91	1.102	.926	52.2926	3.01	0	1025.19
DSPL	LCG	VCG	CW	XCW	ZCW	GW	XGW	YGW	ZGW
3100	3.259	-.23	240	2	1	0	0	0	0

300
-1