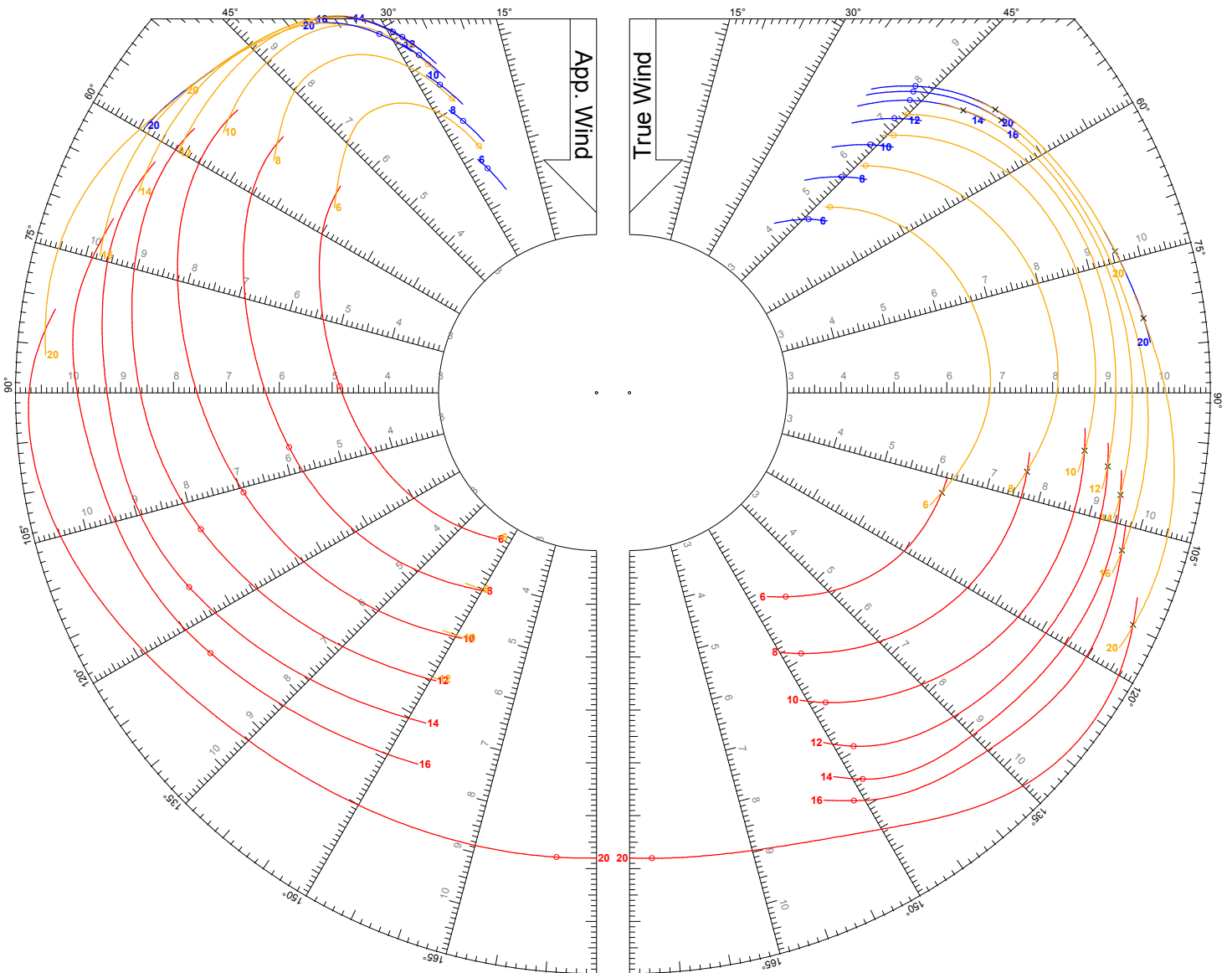




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TWS: 6, 8, 10, 12, 14, 16, 20 kts

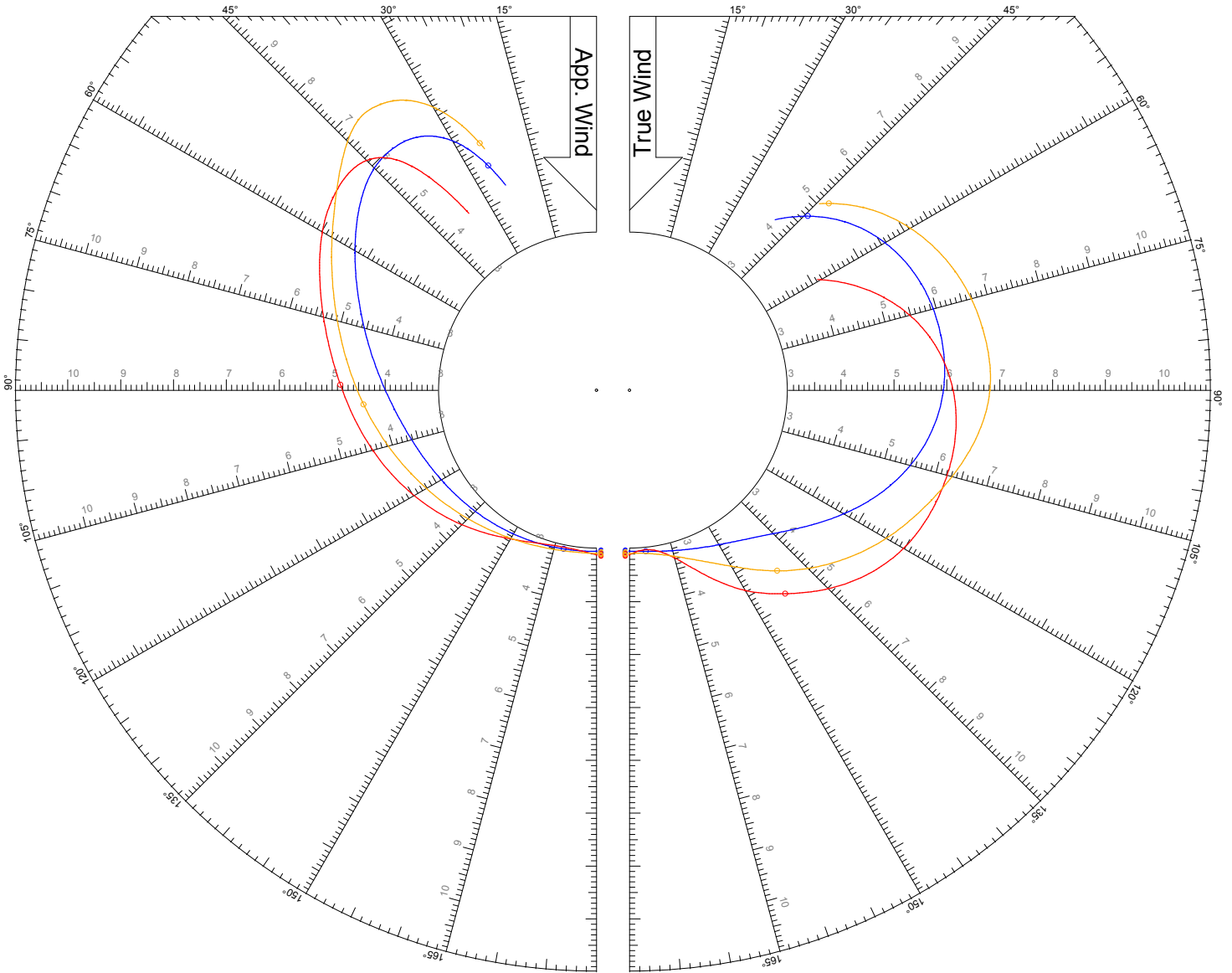
**Jib**

**Asymmetric Spinnaker on Centerline**

**Code Zero**



World Leader in Rating Technology



**TWS: 6 kts**

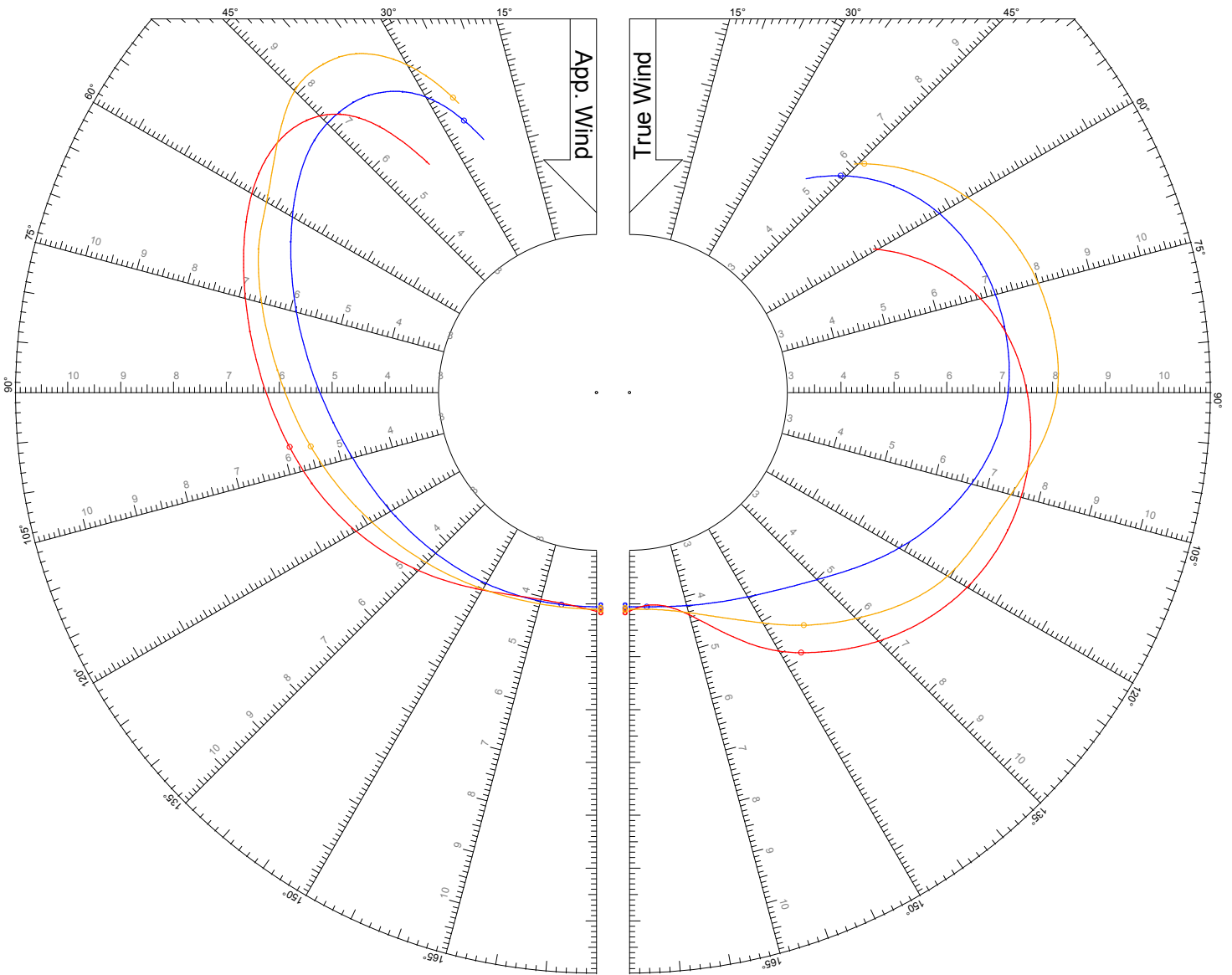
**Jib**

**Asymmetric Spinnaker on Centerline**

**Code Zero**



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**TWS: 8 kts**

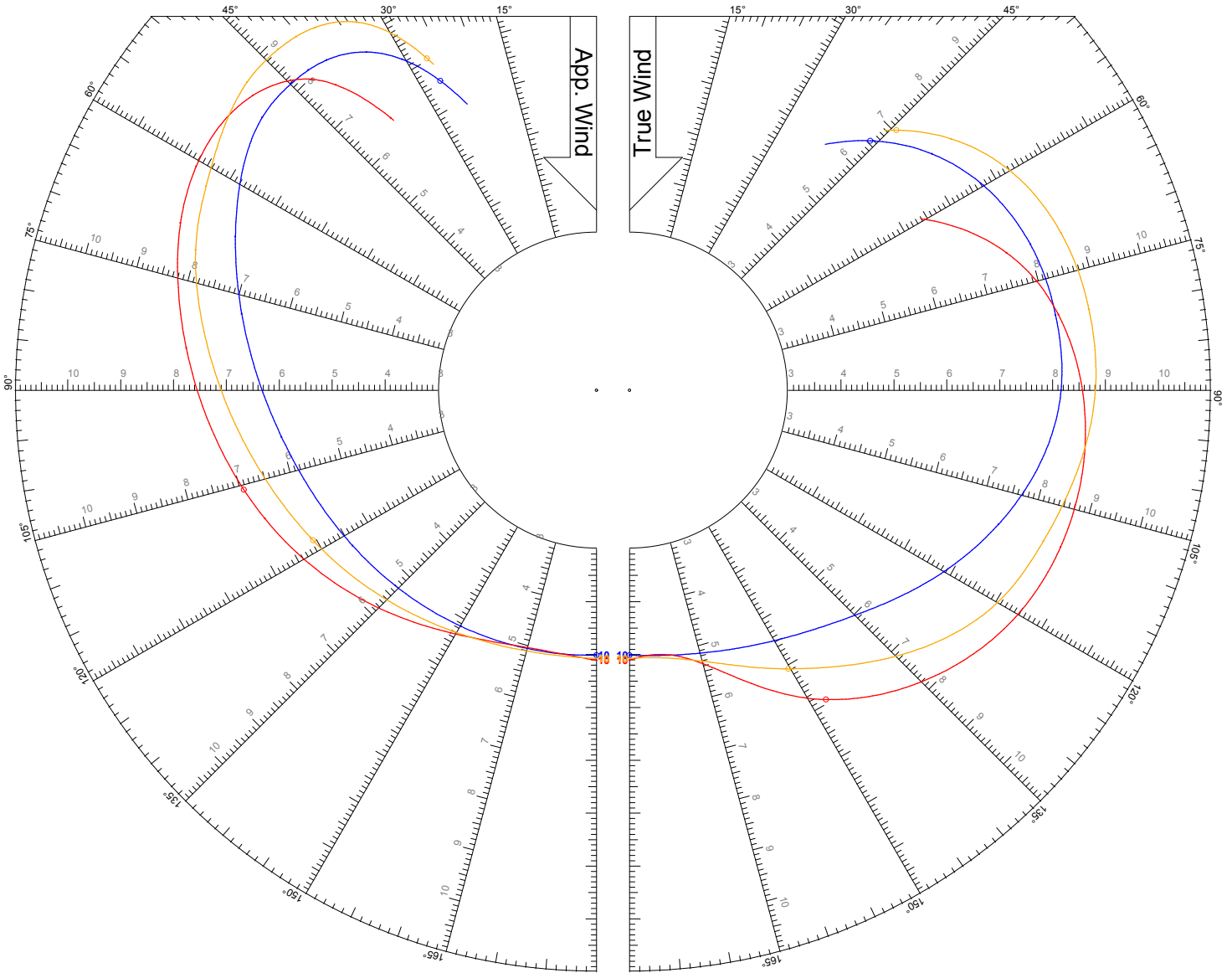
**Jib**

**Asymmetric Spinnaker on Centerline**

**Code Zero**



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**TWS: 10 kts**

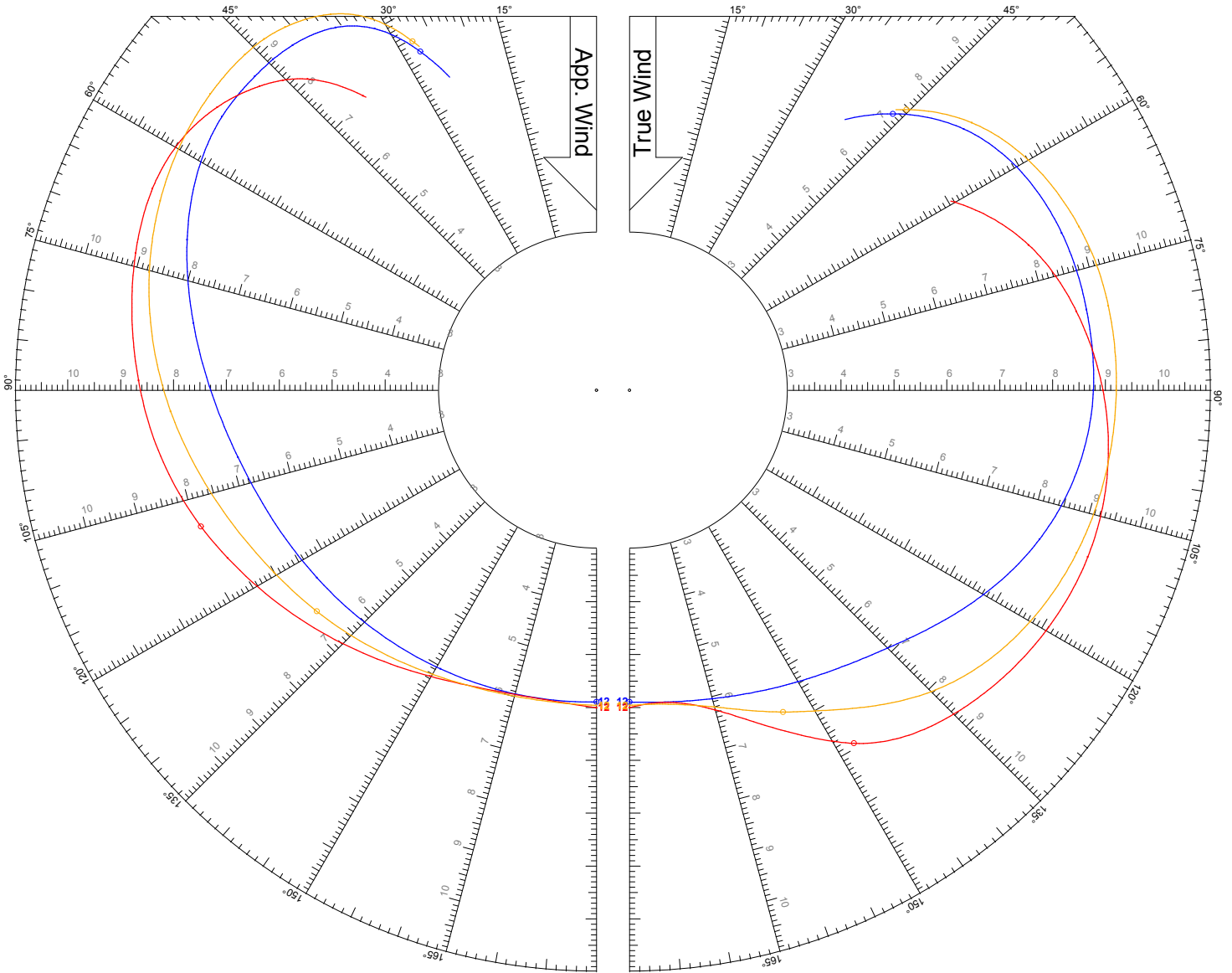
**Jib**

**Asymmetric Spinnaker on Centerline**

**Code Zero**



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**TWS: 12 kts**

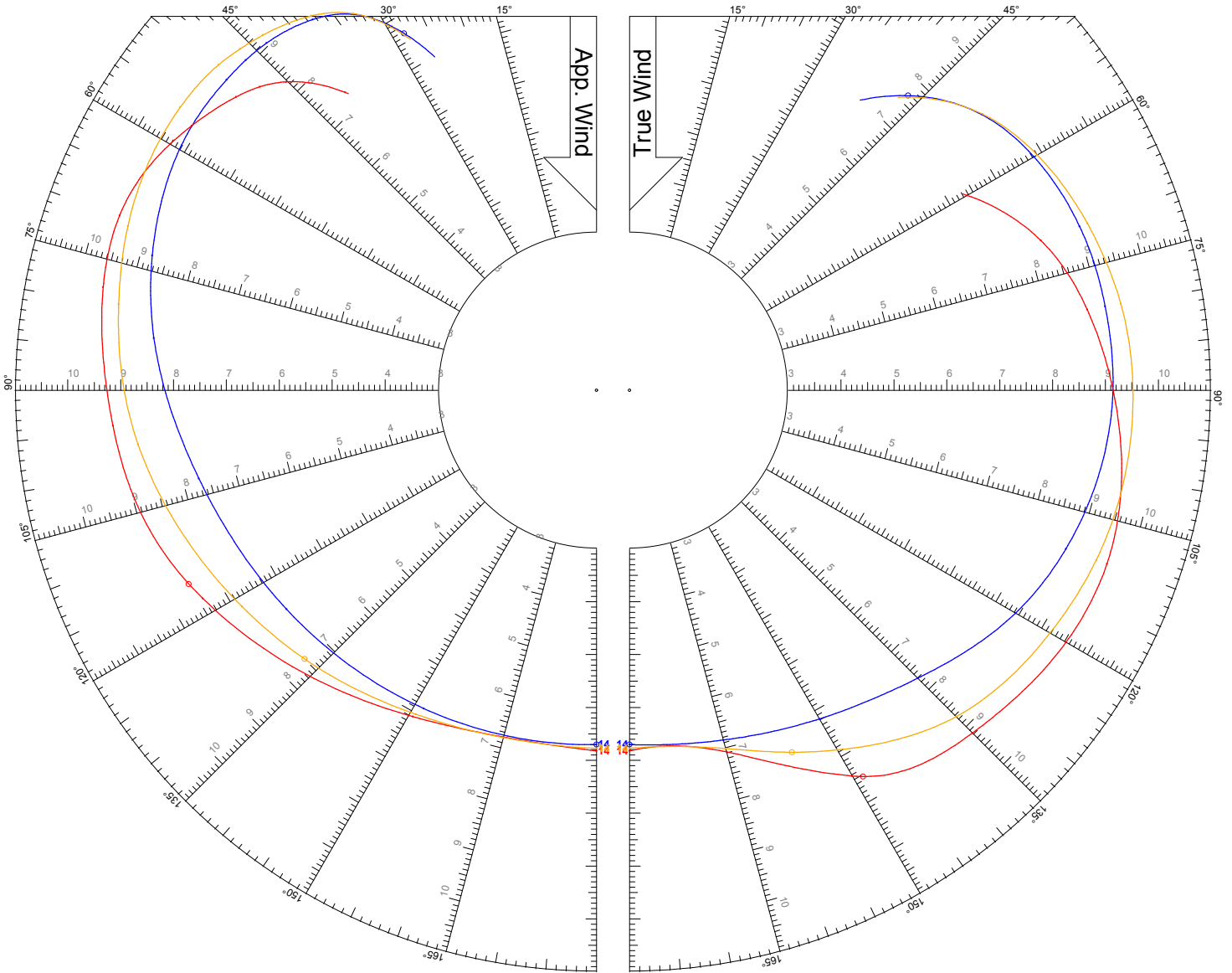
**Jib**

**Asymmetric Spinnaker on Centerline**

**Code Zero**



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**TWS: 14 kts**

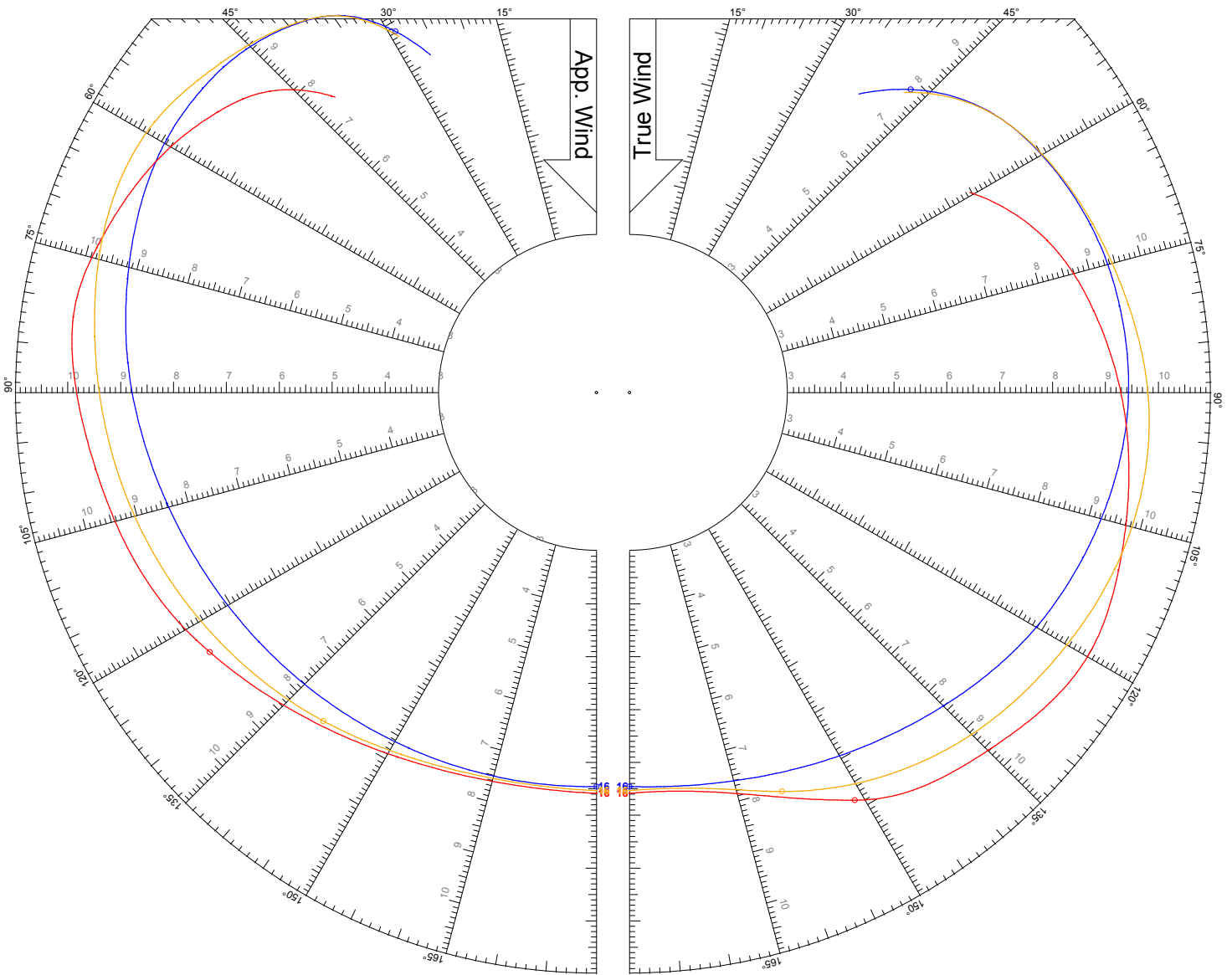
**Jib**

**Asymmetric Spinnaker on Centerline**

**Code Zero**



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**TWS: 16 kts**

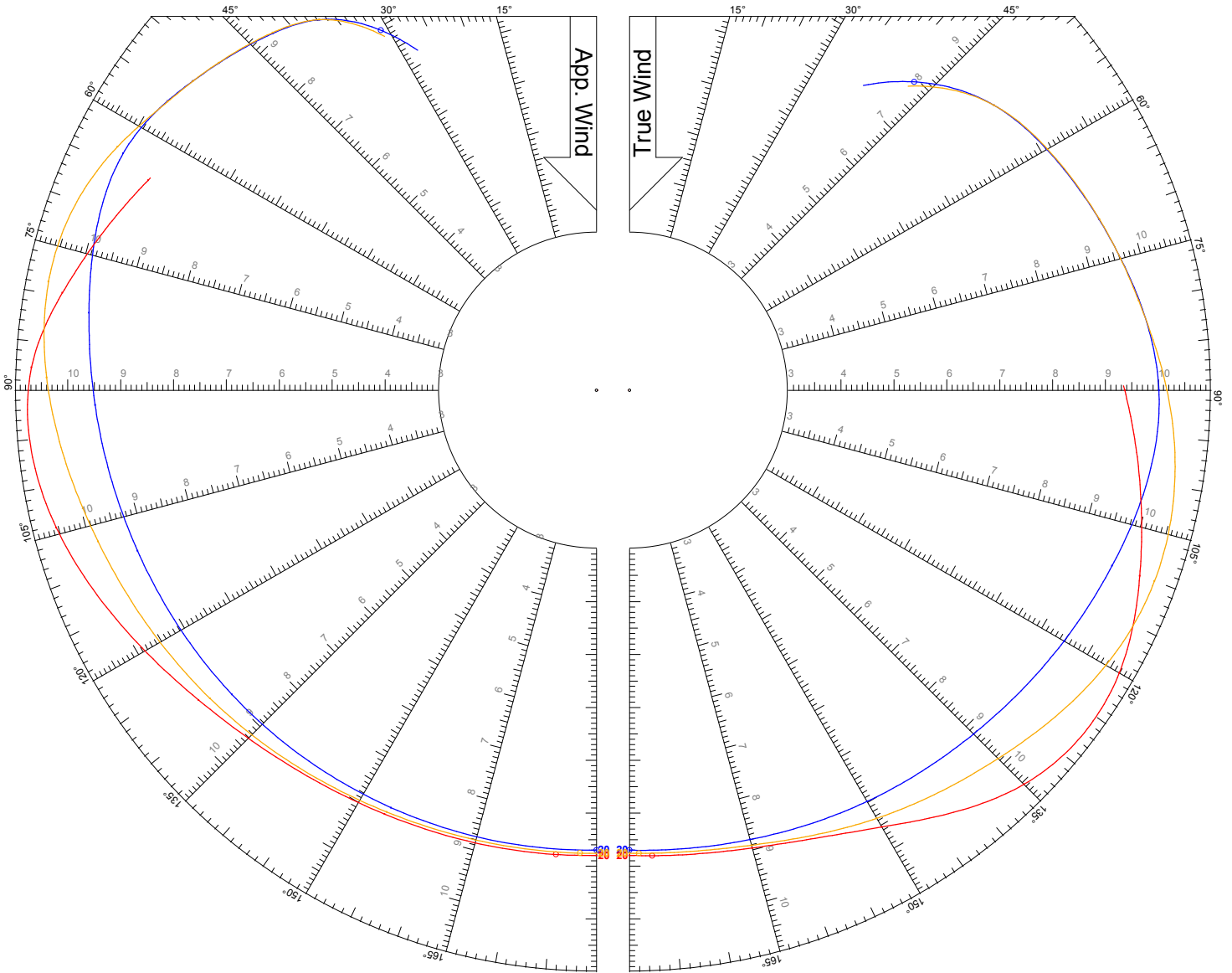
**Jib**

**Asymmetric Spinnaker on Centerline**

**Code Zero**



World Leader in Rating Technology



**TWS: 20 kts**

**Jib**

**Asymmetric Spinnaker on Centerline**

**Code Zero**



Medium Draft Keel, Best Performance



TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
46.9° (b)	5.17	3.53	10.25	25.3°	5.0°	1.00	0.94
52°	5.61	3.45	10.44	26.9°	5.4°	1.00	0.95
60°	6.13	3.07	10.51	29.6°	5.8°	1.00	0.96
70°	6.56	2.24	10.29	33.2°	5.7°	1.00	0.98
75°	6.69	1.73	10.08	35.1°	5.5°	1.00	0.99
80°	6.78	1.18	9.80	37.1°	5.2°	1.00	1.00
90°	6.81	0.00	9.08	41.4°	4.3°	1.00	1.00
110°	6.17	2.11	6.98	53.9°	10.5°	1.00	1.00
120°	5.98	2.99	5.99	60.1°	8.9°	1.00	1.00
135°	5.31	3.76	4.38	75.9°	6.2°	1.00	1.00
150°	4.37	3.79	3.11	105.3°	4.7°	1.00	1.00
165°	3.28	3.17	2.95	148.3°	4.3°	1.00	1.00
180°	3.11	3.11	2.89	180.0°	4.0°	1.00	1.00
142.6° (r)	4.85	3.85	3.65	88.8°	5.3°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
45.8° (b)	6.20	4.33	13.10	25.9°	10.8°	1.00	0.94
52°	6.80	4.19	13.31	28.3°	11.8°	1.00	0.95
60°	7.38	3.69	13.32	31.3°	12.4°	1.00	0.96
70°	7.86	2.69	12.99	35.4°	12.2°	1.00	0.98
75°	8.00	2.07	12.69	37.5°	11.8°	1.00	1.00
80°	8.08	1.40	12.32	39.8°	10.6°	1.00	1.00
90°	8.09	0.00	11.37	44.7°	7.8°	1.00	1.00
110°	7.61	2.60	8.96	57.0°	12.5°	1.00	1.00
120°	7.37	3.69	7.70	64.0°	11.2°	1.00	1.00
135°	6.65	4.70	5.74	80.0°	7.7°	1.00	1.00
150°	5.65	4.89	4.20	107.7°	5.1°	1.00	1.00
165°	4.35	4.21	3.96	148.5°	4.5°	1.00	1.00
180°	4.14	4.14	3.86	180.0°	4.1°	1.00	1.00
146.6° (r)	5.90	4.92	4.47	100.1°	5.5°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
45.8° (b)	7.05	4.92	15.75	27.1°	18.4°	1.00	0.93
52°	7.72	4.75	15.96	29.6°	20.0°	1.00	0.94
60°	8.31	4.15	15.88	33.1°	20.6°	1.00	0.95
70°	8.68	2.97	15.32	37.8°	19.5°	1.00	0.97
75°	8.78	2.27	14.92	40.4°	18.6°	1.00	0.99
80°	8.82	1.53	14.44	43.0°	16.6°	1.00	1.00
90°	8.81	0.00	13.33	48.6°	11.8°	1.00	1.00
110°	8.67	2.97	10.77	60.8°	15.3°	1.00	1.00
120°	8.48	4.24	9.33	68.1°	12.6°	1.00	1.00
135°	7.80	5.52	7.11	84.1°	9.4°	1.00	1.00
150°	6.73	5.83	5.36	111.1°	5.7°	1.00	1.00
165°	5.35	5.17	5.02	149.0°	4.8°	1.00	1.00
180°	5.11	5.11	4.89	180.0°	4.1°	1.00	1.00
147.6° (r)	6.93	5.85	5.57	105.8°	6.1°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.6° (b)	7.46	5.31	18.08	27.8°	22.3°	1.00	0.81
52°	8.22	5.06	18.25	31.2°	23.5°	1.00	0.81
60°	8.71	4.35	18.01	35.2°	25.3°	1.00	0.85
70°	9.05	3.09	17.32	40.6°	26.1°	1.00	0.93
75°	9.15	2.37	16.87	43.4°	24.5°	1.00	0.96
80°	9.19	1.60	16.34	46.3°	22.6°	1.00	0.99
90°	9.21	0.00	15.12	52.5°	15.8°	1.00	1.00
110°	9.22	3.15	12.38	65.6°	17.5°	1.00	1.00
120°	9.09	4.55	10.84	73.4°	14.7°	1.00	1.00
135°	8.66	6.13	8.49	88.8°	10.8°	1.00	1.00
150°	7.66	6.64	6.59	114.5°	6.4°	1.00	1.00
165°	6.26	6.05	6.17	149.8°	5.2°	1.00	1.00
180°	6.01	6.01	5.99	180.0°	4.2°	1.00	1.00
147.6° (r)	7.91	6.68	6.81	109.0°	6.9°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.4° (b)	7.67	5.57	20.27	28.3°	22.6°	1.00	0.92
52°	8.48	5.22	20.35	32.8°	25.0°	1.00	0.69
60°	8.90	4.45	20.00	37.3°	26.7°	1.00	0.73
70°	9.22	3.15	19.21	43.2°	27.7°	1.00	0.82
75°	9.33	2.42	18.73	46.2°	28.0°	1.00	0.88
80°	9.43	1.64	18.19	49.3°	27.1°	1.00	0.95
90°	9.52	0.00	16.93	55.8°	20.6°	1.00	1.00
110°	9.61	3.29	14.01	69.9°	21.9°	1.00	0.96
120°	9.53	4.77	12.39	78.2°	16.2°	1.00	1.00
135°	9.17	6.48	9.93	94.2°	11.5°	1.00	1.00
150°	8.42	7.29	7.92	117.9°	7.1°	1.00	1.00
165°	7.08	6.84	7.39	150.6°	5.7°	1.00	1.00
180°	6.82	6.82	7.18	180.0°	4.3°	1.00	1.00
148.8° (r)	8.54	7.31	8.02	115.4°	7.5°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.8° (b)	7.82	5.73	22.38	29.1°	23.8°	1.00	0.81
52°	8.63	5.32	22.38	34.3°	25.6°	1.00	0.84
60°	9.01	4.51	21.94	39.2°	27.1°	1.00	0.63
70°	9.32	3.19	21.09	45.5°	28.5°	0.98	0.77
75°	9.45	2.45	20.58	48.7°	29.0°	0.97	0.84
80°	9.58	1.66	20.02	51.9°	29.4°	1.00	0.87
90°	9.80	0.00	18.76	58.5°	26.4°	1.00	0.99
110°	9.84	3.37	15.66	73.8°	22.1°	0.95	0.94
120°	10.00	5.00	14.00	81.8°	18.7°	1.00	1.00
135°	9.58	6.77	11.45	98.7°	12.2°	1.00	1.00
150°	8.90	7.71	9.41	121.8°	8.0°	1.00	1.00
165°	7.86	7.59	8.65	151.4°	6.2°	1.00	1.00
180°	7.59	7.59	8.41	180.0°	4.4°	1.00	1.00
151.1° (r)	8.81	7.71	9.32	123.9°	7.8°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.7° (b)	7.94	5.83	26.39	30.9°	24.6°	1.00	0.62
52°	8.75	5.39	26.31	36.8°	26.0°	0.87	0.62
60°	9.12	4.56	25.80	42.2°	27.3°	0.87	0.68
70°	9.46	3.23	24.88	49.1°	28.5°	0.86	0.80
75°	9.62	2.49	24.33	52.6°	29.6°	1.00	0.86
80°	9.79	1.70	23.74	56.0°	29.9°	1.00	0.94
90°	10.16	0.00	22.43	63.1°	30.4°	0.96	0.93
110°	10.56	3.61	19.16	78.8°	22.0°	1.00	0.96
120°	10.69	5.35	17.33	87.7°	22.1°	0.95	0.95
135°	10.54	7.45	14.59	104.3°	15.0°	1.00	1.00
150°	9.54	8.26	12.67	127.9°	10.5°	1.00	1.00
165°	8.96	8.66	11.58	153.4°	7.8°	1.00	1.00
180°	8.80	8.80	11.20	180.0°	4.7°	1.00	1.00
177.2° (r)	8.81	8.80	11.20	175.0°	5.1°	1.00	1.00



TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
45.7° (b)	4.71	3.29	9.91	25.8°	3.5°	1.00	0.98
52°	5.17	3.18	10.07	28.1°	3.6°	1.00	1.00
60°	5.58	2.79	10.05	31.2°	3.6°	1.00	1.00
70°	5.87	2.01	9.74	35.5°	3.4°	1.00	1.00
75°	5.95	1.54	9.50	37.8°	3.2°	1.00	1.00
80°	5.98	1.04	9.19	40.2°	3.0°	1.00	1.00
90°	5.94	0.00	8.46	45.4°	2.6°	1.00	1.00
110°	5.25	1.80	6.51	60.7°	1.5°	1.00	1.00
120°	4.68	2.34	5.49	72.5°	1.0°	1.00	1.00
135°	3.84	2.71	4.32	96.1°	0.5°	1.00	1.00
150°	3.37	2.92	3.56	121.7°	0.4°	1.00	1.00
165°	3.14	3.04	3.11	149.8°	0.2°	1.00	1.00
180°	3.05	3.05	2.98	180.0°	0.0°	1.00	1.00
174.2° (r)	3.06	3.05	3.00	168.4°	0.1°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.2° (b)	5.72	4.10	12.76	25.9°	5.9°	1.00	0.97
52°	6.34	3.91	12.93	29.1°	6.5°	1.00	1.00
60°	6.77	3.38	12.81	32.7°	6.3°	1.00	1.00
70°	7.08	2.42	12.38	37.4°	5.5°	1.00	1.00
75°	7.16	1.85	12.05	39.9°	5.1°	1.00	1.00
80°	7.20	1.25	11.67	42.6°	4.7°	1.00	1.00
90°	7.16	0.00	10.75	48.3°	3.8°	1.00	1.00
110°	6.45	2.20	8.42	64.0°	2.2°	1.00	1.00
120°	5.89	2.94	7.23	75.2°	1.5°	1.00	1.00
135°	5.01	3.54	5.77	97.1°	0.9°	1.00	1.00
150°	4.47	3.87	4.76	122.1°	0.6°	1.00	1.00
165°	4.17	4.03	4.16	149.9°	0.3°	1.00	1.00
180°	4.05	4.05	3.99	180.0°	0.1°	1.00	1.00
175.4° (r)	4.07	4.05	4.00	170.7°	0.2°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.0° (b)	6.55	4.72	15.38	26.4°	10.7°	1.00	0.97
52°	7.26	4.47	15.50	29.9°	11.7°	1.00	1.00
60°	7.73	3.87	15.33	33.8°	11.3°	1.00	1.00
70°	8.07	2.76	14.78	38.9°	9.8°	1.00	1.00
75°	8.15	2.11	14.39	41.7°	8.9°	1.00	1.00
80°	8.18	1.42	13.95	44.6°	7.8°	1.00	1.00
90°	8.16	0.00	12.91	50.8°	5.5°	1.00	1.00
110°	7.42	2.54	10.26	67.2°	2.9°	1.00	1.00
120°	6.86	3.43	8.93	78.3°	2.1°	1.00	1.00
135°	6.02	4.26	7.24	99.0°	1.3°	1.00	1.00
150°	5.47	4.74	6.01	123.0°	0.9°	1.00	1.00
165°	5.15	4.97	5.25	150.3°	0.5°	1.00	1.00
180°	5.01	5.01	5.04	180.0°	0.1°	1.00	1.00
180.0° (r)	5.01	5.01	5.04	180.0°	0.1°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.6° (b)	7.22	5.23	17.77	26.5°	16.6°	1.00	0.96
52°	8.02	4.94	17.85	30.3°	17.7°	1.00	0.98
60°	8.45	4.22	17.53	34.5°	17.2°	1.00	1.00
70°	8.70	2.97	16.83	40.5°	14.8°	1.00	1.00
75°	8.75	2.27	16.39	43.6°	13.3°	1.00	1.00
80°	8.77	1.52	15.90	46.9°	11.6°	1.00	1.00
90°	8.77	0.00	14.81	53.7°	8.3°	1.00	1.00
110°	8.25	2.82	12.07	70.1°	3.7°	1.00	1.00
120°	7.73	3.86	10.62	81.0°	2.7°	1.00	1.00
135°	6.90	4.88	8.75	101.1°	1.7°	1.00	1.00
150°	6.37	5.51	7.32	124.2°	1.2°	1.00	1.00
165°	6.04	5.83	6.43	150.9°	0.7°	1.00	1.00
180°	5.90	5.90	6.16	180.0°	0.2°	1.00	1.00
180.0° (r)	5.90	5.90	6.16	180.0°	0.2°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.4° (b)	7.67	5.57	19.86	26.4°	22.6°	1.00	0.92
52°	8.46	5.21	19.78	30.6°	23.5°	1.00	0.94
60°	8.83	4.42	19.32	35.1°	23.0°	1.00	0.97
70°	9.06	3.10	18.52	41.6°	20.4°	1.00	1.00
75°	9.11	2.36	18.09	45.2°	18.2°	1.00	1.00
80°	9.13	1.59	17.61	48.9°	15.8°	1.00	1.00
90°	9.14	0.00	16.54	56.4°	11.3°	1.00	1.00
110°	8.78	3.00	13.80	73.4°	4.6°	1.00	1.00
120°	8.43	4.21	12.31	83.7°	3.3°	1.00	1.00
135°	7.70	5.45	10.27	103.0°	2.2°	1.00	1.00
150°	7.18	6.22	8.68	125.6°	1.6°	1.00	1.00
165°	6.85	6.62	7.67	151.6°	0.9°	1.00	1.00
180°	6.70	6.70	7.37	180.0°	0.3°	1.00	1.00
180.0° (r)	6.70	6.70	7.37	180.0°	0.3°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.8° (b)	7.82	5.73	21.81	26.9°	23.8°	1.00	0.81
52°	8.63	5.32	21.57	31.5°	25.6°	1.00	0.84
60°	9.00	4.50	20.87	35.8°	27.1°	1.00	0.91
70°	9.28	3.17	19.96	42.5°	25.4°	1.00	0.97
75°	9.36	2.42	19.45	46.1°	24.3°	1.00	1.00
80°	9.41	1.63	19.09	50.3°	20.9°	1.00	1.00
90°	9.44	0.00	18.16	58.7°	14.8°	1.00	1.00
110°	9.13	3.12	15.51	76.6°	5.9°	1.00	1.00
120°	8.88	4.44	14.00	86.7°	4.1°	1.00	1.00
135°	8.39	5.93	11.84	105.0°	2.8°	1.00	1.00
150°	7.94	6.87	10.07	126.8°	2.0°	1.00	1.00
165°	7.61	7.35	8.96	152.3°	1.2°	1.00	1.00
180°	7.46	7.46	8.62	180.0°	0.3°	1.00	1.00
180.0° (r)	7.46	7.46	8.62	180.0°	0.3°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.7° (b)	7.94	5.83	25.52	28.5°	24.6°	1.00	0.62
52°	8.75	5.39	25.07	33.6°	26.6°	1.00	0.65
60°	9.11	4.56	24.21	38.4°	28.1°	1.00	0.71
70°	9.45	3.23	22.90	45.0°	29.1°	1.00	0.80
75°	9.62	2.49	22.18	48.4°	29.6°	1.00	0.86
80°	9.79	1.70	21.45	51.9°	29.9°	1.00	0.94
90°	10.01	0.00	20.76	61.2°	24.2°	1.00	1.00
110°	9.71	3.32	18.84	81.4°	10.6°	1.00	1.00
120°	9.49	4.74	17.40	92.1°	6.8°	1.00	1.00
135°	9.20	6.50	15.15	109.7°	4.3°	1.00	1.00
150°	8.98	7.78	13.16	130.1°	3.0°	1.00	1.00
165°	8.80	8.50	11.83	153.9°	1.8°	1.00	1.00
180°	8.70	8.70	11.40	180.0°	0.6°	1.00	1.00
180.0° (r)	8.70	8.70	11.40	180.0°	0.6°	1.00	1.00

## Medium Draft Keel, Asymmetric Spinnaker on CL



TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	4.18	2.09	8.97	35.9°	10.5°	1.00	0.96
70°	5.12	1.75	9.20	38.2°	11.3°	1.00	0.97
75°	5.48	1.42	9.18	39.5°	11.6°	1.00	0.97
80°	5.77	1.00	9.07	41.1°	11.7°	1.00	0.98
90°	6.12	0.00	8.61	44.7°	11.7°	1.00	0.99
110°	6.17	2.11	7.01	54.7°	10.5°	1.00	1.00
120°	5.98	2.99	6.03	61.4°	8.9°	1.00	1.00
135°	5.31	3.76	4.45	78.0°	6.2°	1.00	1.00
150°	4.37	3.79	3.24	107.7°	4.7°	1.00	1.00
165°	3.28	3.17	3.10	149.2°	4.3°	1.00	1.00
180°	3.11	3.11	3.04	180.0°	4.0°	1.00	1.00
142.6° (r)	4.85	3.85	3.75	91.1°	5.3°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	5.42	2.71	11.79	36.1°	12.8°	1.00	0.96
70°	6.49	2.22	11.93	38.8°	14.8°	1.00	0.97
75°	6.87	1.78	11.82	40.4°	15.3°	1.00	0.97
80°	7.16	1.24	11.61	42.3°	15.4°	1.00	0.97
90°	7.52	0.00	10.94	46.6°	15.2°	1.00	1.00
110°	7.61	2.60	8.96	57.6°	12.5°	1.00	1.00
120°	7.37	3.69	7.72	65.2°	11.2°	1.00	1.00
135°	6.65	4.70	5.84	82.0°	7.7°	1.00	1.00
150°	5.65	4.89	4.37	110.0°	5.1°	1.00	1.00
165°	4.35	4.21	4.16	149.4°	4.5°	1.00	1.00
180°	4.14	4.14	4.06	180.0°	4.1°	1.00	1.00
146.6° (r)	5.90	4.92	4.63	102.4°	5.5°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.46	3.23	14.38	36.3°	16.6°	1.00	0.96
70°	7.59	2.60	14.31	39.2°	20.2°	1.00	0.95
75°	7.97	2.06	14.06	40.9°	21.5°	1.00	0.95
80°	8.23	1.43	13.73	43.2°	21.5°	1.00	0.96
90°	8.56	0.00	12.92	48.5°	19.6°	1.00	0.98
110°	8.67	2.97	10.66	61.1°	15.3°	1.00	1.00
120°	8.48	4.24	9.33	69.1°	12.6°	1.00	1.00
135°	7.80	5.52	7.22	86.0°	9.4°	1.00	1.00
150°	6.73	5.83	5.58	113.2°	5.7°	1.00	1.00
165°	5.35	5.17	5.27	149.9°	4.8°	1.00	1.00
180°	5.11	5.11	5.14	180.0°	4.1°	1.00	1.00
147.6° (r)	6.93	5.85	5.77	107.9°	6.1°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.11	3.55	16.46	36.5°	22.3°	0.97	0.93
70°	8.03	2.75	16.16	41.0°	22.3°	0.92	0.93
75°	8.34	2.16	15.84	43.5°	22.3°	0.91	0.93
80°	8.58	1.49	15.43	46.1°	22.3°	0.92	0.93
90°	8.95	0.00	14.44	51.7°	22.3°	0.95	0.93
110°	9.22	3.15	12.14	65.7°	17.5°	1.00	1.00
120°	9.09	4.55	10.76	74.3°	14.7°	1.00	1.00
135°	8.66	6.13	8.59	90.6°	10.8°	1.00	1.00
150°	7.66	6.64	6.86	116.4°	6.4°	1.00	1.00
165°	6.26	6.05	6.47	150.6°	5.2°	1.00	1.00
180°	6.01	6.01	6.29	180.0°	4.2°	1.00	1.00
147.6° (r)	7.91	6.68	7.05	111.0°	6.9°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.37	3.69	18.36	38.1°	22.2°	0.87	0.92
70°	8.28	2.83	17.94	43.1°	22.3°	0.84	0.93
75°	8.57	2.22	17.56	45.9°	22.3°	0.84	0.93
80°	8.79	1.53	17.09	48.9°	22.3°	0.85	0.93
90°	9.14	0.00	15.99	55.1°	22.2°	0.87	0.94
110°	9.61	3.29	13.37	69.4°	21.9°	1.00	0.96
120°	9.53	4.77	12.21	79.0°	16.2°	1.00	1.00
135°	9.17	6.48	10.05	95.9°	11.5°	1.00	1.00
150°	8.42	7.29	8.22	119.6°	7.1°	1.00	1.00
165°	7.08	6.84	7.74	151.4°	5.7°	1.00	1.00
180°	6.82	6.82	7.53	180.0°	4.3°	1.00	1.00
148.8° (r)	8.54	7.31	8.32	117.2°	7.5°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.52	3.76	20.18	39.6°	22.4°	0.81	0.85
70°	8.41	2.88	19.69	45.1°	22.7°	0.81	0.81
75°	8.69	2.25	19.26	48.1°	22.6°	0.81	0.83
80°	8.91	1.55	18.74	51.3°	22.5°	0.81	0.85
90°	9.29	0.00	17.54	58.0°	22.4°	0.81	0.93
110°	9.84	3.37	14.83	73.3°	22.1°	0.95	0.94
120°	10.00	5.00	13.60	82.5°	18.7°	1.00	1.00
135°	9.58	6.77	11.57	100.3°	12.2°	1.00	1.00
150°	8.90	7.71	9.75	123.3°	8.0°	1.00	1.00
165°	7.86	7.59	9.05	152.2°	6.2°	1.00	1.00
180°	7.59	7.59	8.81	180.0°	4.4°	1.00	1.00
151.1° (r)	8.81	7.71	9.67	125.4°	7.8°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	-0.01	-0.01	18.63	57.5°	25.3°	0.81	0.62
70°	-0.01	0.00	18.36	68.1°	25.3°	0.81	0.62
75°	-0.01	0.00	18.26	73.5°	25.3°	0.81	0.62
80°	-0.01	0.00	18.19	79.0°	25.3°	0.81	0.62
90°	9.36	0.00	20.77	63.2°	22.8°	0.81	0.65
110°	10.27	3.51	17.89	79.2°	22.1°	0.84	0.94
120°	10.69	5.35	16.37	88.3°	22.1°	0.95	0.95
135°	10.54	7.45	14.60	105.9°	15.0°	1.00	1.00
150°	9.54	8.26	13.04	129.2°	10.5°	1.00	1.00
165°	8.96	8.66	12.06	154.1°	7.8°	1.00	1.00
180°	8.80	8.80	11.70	180.0°	4.7°	1.00	1.00
177.2° (r)	8.81	8.80	11.70	175.1°	5.1°	1.00	1.00

## Medium Draft Keel, Code Zero



TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
46.9° (b)	5.17	3.53	10.29	25.3°	5.0°	1.00	0.94
52°	5.61	3.45	10.47	26.9°	5.4°	1.00	0.95
60°	6.13	3.07	10.54	29.7°	5.8°	1.00	0.96
70°	6.56	2.24	10.32	33.3°	5.7°	1.00	0.98
75°	6.69	1.73	10.10	35.2°	5.5°	1.00	0.99
80°	6.78	1.18	9.82	37.2°	5.2°	1.00	1.00
90°	6.81	0.00	9.10	41.5°	4.3°	1.00	1.00
110°	6.08	2.08	6.96	54.9°	2.4°	1.00	1.00
120°	5.60	2.80	5.83	64.0°	6.8°	1.00	1.00
135°	4.77	3.37	4.32	84.0°	5.2°	1.00	1.00
150°	3.84	3.33	3.36	115.3°	4.4°	1.00	1.00
165°	3.25	3.14	3.08	149.2°	4.2°	1.00	1.00
180°	3.09	3.09	2.99	180.0°	0.0°	1.00	1.00
140.7° (r)	4.41	3.42	3.86	94.6°	4.8°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
45.8° (b)	6.20	4.33	13.11	25.6°	10.8°	1.00	0.94
52°	6.80	4.19	13.30	27.8°	11.8°	1.00	0.95
60°	7.38	3.69	13.28	30.8°	12.4°	1.00	0.96
70°	7.86	2.69	12.94	34.9°	12.2°	1.00	0.98
75°	8.00	2.07	12.64	37.1°	11.8°	1.00	1.00
80°	8.08	1.40	12.28	39.5°	10.6°	1.00	1.00
90°	8.09	0.00	11.37	44.7°	7.8°	1.00	1.00
110°	7.25	2.48	8.81	59.4°	3.3°	1.00	1.00
120°	6.94	3.47	7.53	67.5°	8.4°	1.00	1.00
135°	6.05	4.28	5.73	87.0°	6.0°	1.00	1.00
150°	5.03	4.36	4.52	116.4°	4.7°	1.00	1.00
165°	4.31	4.17	4.12	149.4°	4.3°	1.00	1.00
180°	4.10	4.10	4.00	180.0°	0.1°	1.00	1.00
143.2° (r)	5.50	4.40	4.95	101.8°	5.1°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
45.8° (b)	7.05	4.92	15.61	25.9°	18.4°	1.00	0.93
52°	7.72	4.75	15.75	28.1°	20.0°	1.00	0.94
60°	8.31	4.15	15.59	31.4°	20.6°	1.00	0.95
70°	8.68	2.97	15.02	36.2°	19.5°	1.00	0.97
75°	8.78	2.27	14.62	38.9°	18.6°	1.00	0.99
80°	8.82	1.53	14.20	41.9°	16.6°	1.00	1.00
90°	8.81	0.00	13.22	48.2°	11.8°	1.00	1.00
110°	8.33	2.85	10.52	62.5°	11.9°	1.00	1.00
120°	8.03	4.02	9.14	71.1°	10.3°	1.00	1.00
135°	7.12	5.03	7.13	90.6°	6.9°	1.00	1.00
150°	6.08	5.27	5.75	118.2°	5.2°	1.00	1.00
165°	5.30	5.12	5.23	149.9°	4.5°	1.00	1.00
180°	5.07	5.07	5.06	180.0°	0.1°	1.00	1.00
150.3° (r)	6.07	5.27	5.73	118.9°	5.2°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.6° (b)	7.46	5.31	17.77	26.0°	22.3°	1.00	0.81
52°	8.22	5.06	17.81	29.0°	23.5°	1.00	0.81
60°	8.71	4.35	17.41	32.5°	25.3°	1.00	0.85
70°	9.05	3.09	16.56	37.5°	26.1°	1.00	0.93
75°	9.15	2.37	16.15	40.7°	24.5°	1.00	0.96
80°	9.19	1.60	15.70	44.1°	22.6°	1.00	0.99
90°	9.21	0.00	14.82	51.6°	15.8°	1.00	1.00
110°	9.00	3.08	12.15	66.5°	12.8°	1.00	1.00
120°	8.75	4.37	10.68	75.6°	11.4°	1.00	1.00
135°	8.06	5.70	8.55	93.7°	8.0°	1.00	1.00
150°	7.00	6.07	7.03	120.4°	5.7°	1.00	1.00
165°	6.20	5.99	6.42	150.6°	4.7°	1.00	1.00
180°	5.96	5.96	6.20	180.0°	0.2°	1.00	1.00
154.5° (r)	6.74	6.09	6.75	129.2°	5.3°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.9° (b)	7.69	5.54	19.80	26.5°	23.7°	1.00	0.69
52°	8.48	5.22	19.72	30.2°	25.0°	1.00	0.69
60°	8.90	4.45	19.15	34.2°	26.7°	1.00	0.73
70°	9.22	3.15	18.13	39.6°	27.7°	1.00	0.82
75°	9.33	2.42	17.55	42.5°	28.0°	1.00	0.88
80°	9.43	1.64	17.03	45.9°	27.1°	1.00	0.95
90°	9.52	0.00	16.23	54.1°	20.6°	1.00	1.00
110°	9.39	3.21	13.67	70.6°	14.6°	1.00	1.00
120°	9.18	4.59	12.20	80.2°	12.2°	1.00	1.00
135°	8.73	6.17	10.01	97.6°	9.2°	1.00	1.00
150°	7.86	6.80	8.36	122.3°	6.3°	1.00	1.00
165°	7.02	6.78	7.68	151.4°	5.0°	1.00	1.00
180°	6.77	6.77	7.41	180.0°	0.3°	1.00	1.00
155.9° (r)	7.50	6.85	7.98	133.4°	5.7°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.5° (b)	7.83	5.68	21.72	27.2°	24.3°	0.98	0.62
52°	8.63	5.31	21.51	31.4°	26.1°	0.98	0.62
60°	9.01	4.51	20.87	35.8°	27.1°	1.00	0.63
70°	9.32	3.19	19.69	41.6°	28.5°	0.98	0.77
75°	9.45	2.45	19.04	44.6°	29.0°	0.97	0.84
80°	9.58	1.66	18.38	47.8°	29.4°	1.00	0.87
90°	9.80	0.00	17.35	55.6°	26.4°	1.00	0.99
110°	9.77	3.34	15.22	73.9°	16.1°	1.00	1.00
120°	9.55	4.77	13.76	84.0°	13.2°	1.00	1.00
135°	9.15	6.47	11.53	101.7°	10.4°	1.00	1.00
150°	8.55	7.40	9.78	124.5°	7.1°	1.00	1.00
165°	7.78	7.52	8.98	152.2°	5.4°	1.00	1.00
180°	7.53	7.53	8.68	180.0°	0.4°	1.00	1.00
159.1° (r)	8.08	7.55	9.16	141.0°	5.9°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.9° (b)	7.98	5.75	25.31	29.2°	24.4°	0.86	0.62
52°	8.75	5.39	25.00	33.7°	26.0°	0.87	0.62
60°	9.12	4.56	24.16	38.5°	27.3°	0.87	0.68
70°	9.46	3.23	22.85	45.0°	28.5°	0.86	0.80
75°	9.61	2.49	22.11	48.4°	29.3°	0.88	0.84
80°	9.78	1.70	21.34	51.8°	30.0°	0.92	0.85
90°	10.16	0.00	19.87	59.2°	30.4°	0.96	0.93
110°	10.56	3.61	17.96	78.2°	22.0°	1.00	0.96
120°	10.40	5.20	16.84	89.1°	16.2°	1.00	1.00
135°	9.85	6.97	14.74	107.7°	11.8°	1.00	1.00
150°	9.35	8.10	12.98	129.4°	9.0°	1.00	1.00
165°	8.91	8.61	11.88	153.8°	1.8°	1.00	1.00
180°	8.76	8.76	11.50	180.0°	0.6°	1.00	1.00
178.9° (r)	8.76	8.76	11.50	178.0°	0.7°	1.00	1.00