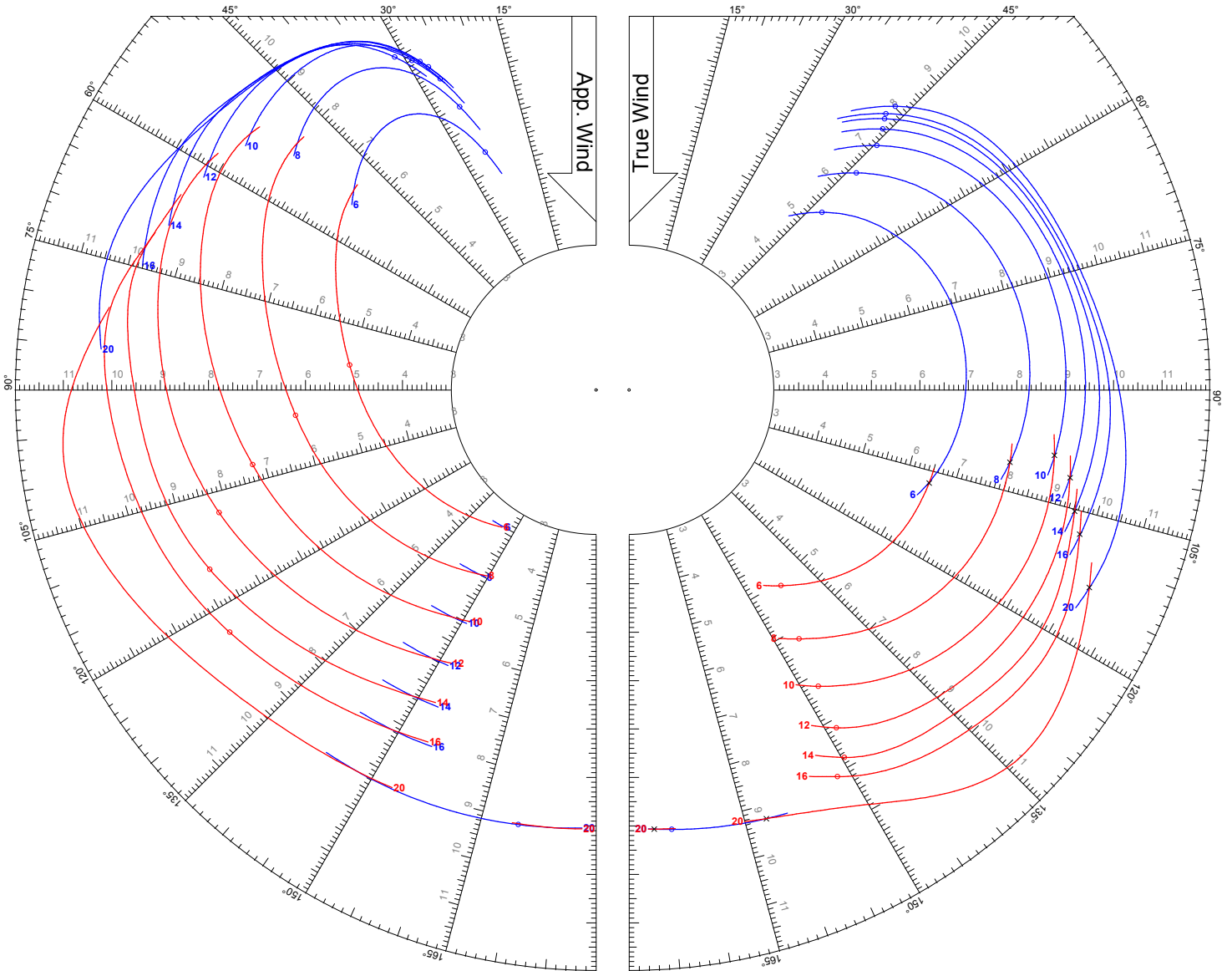




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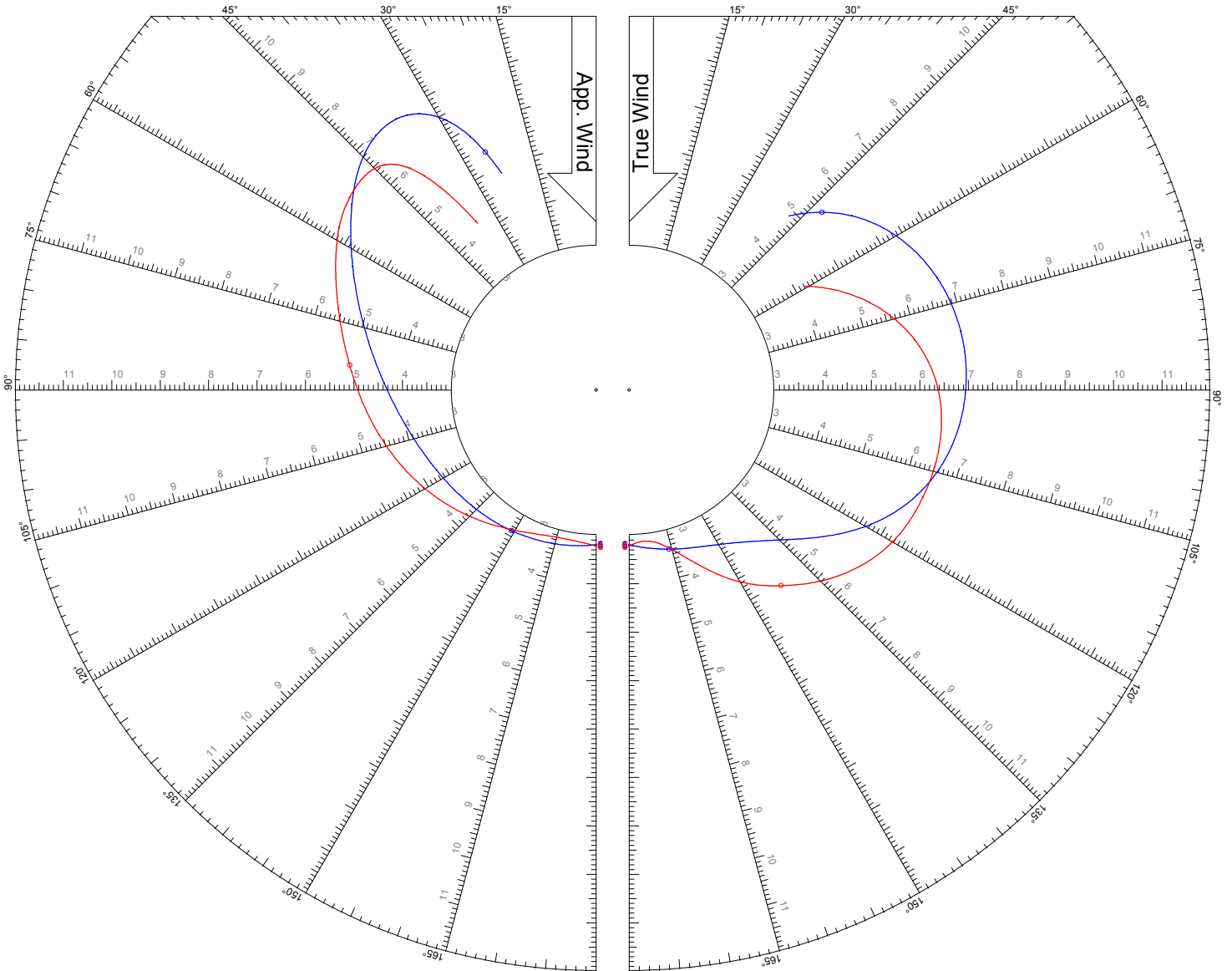
TWS: 6, 8, 10, 12, 14, 16, 20 kts

Jib

Asymmetric Spinnaker on Centerline



World Leader in Rating Technology



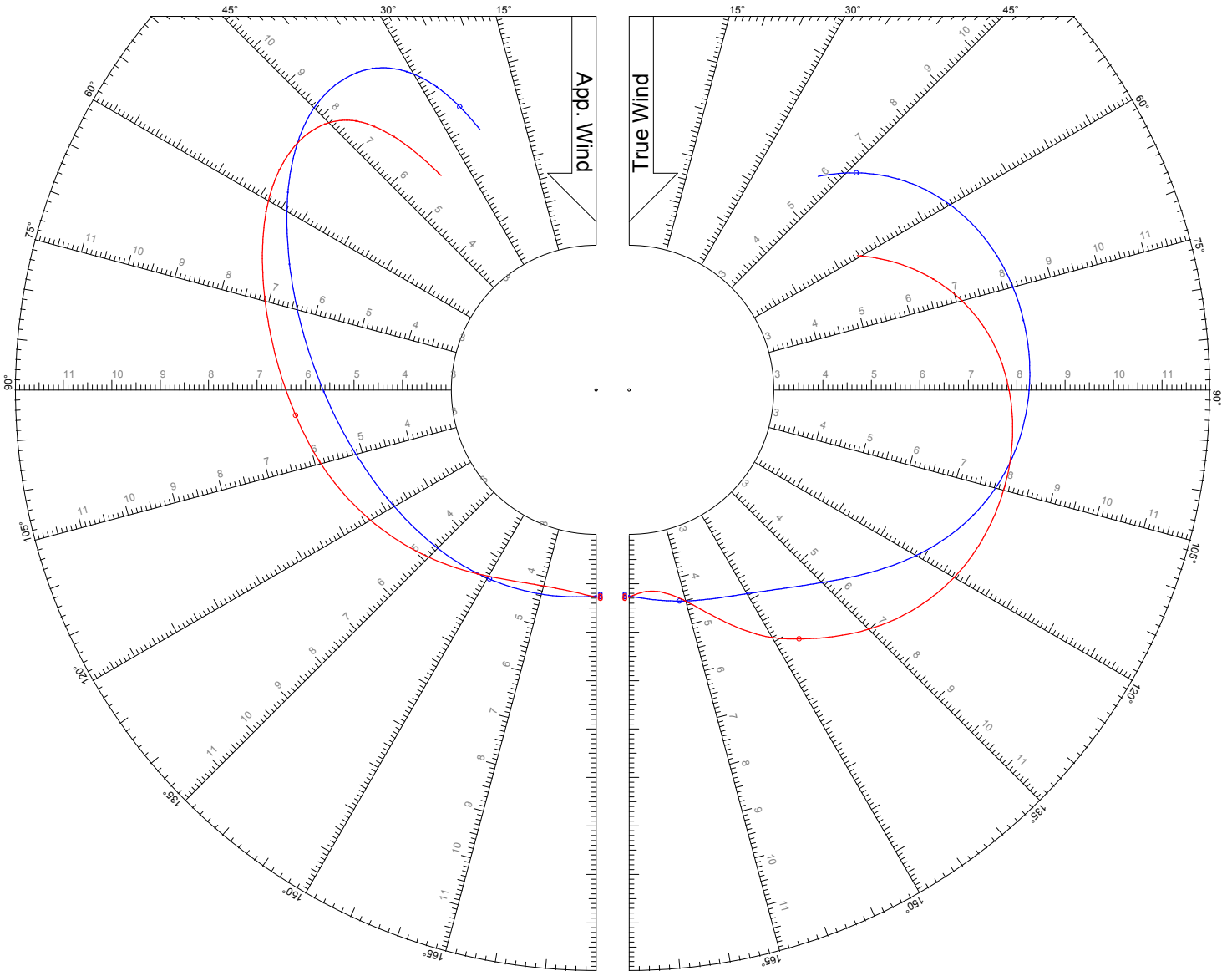
TWS: 6 kts

Jib

Asymmetric Spinnaker on Centerline



World Leader in Rating Technology



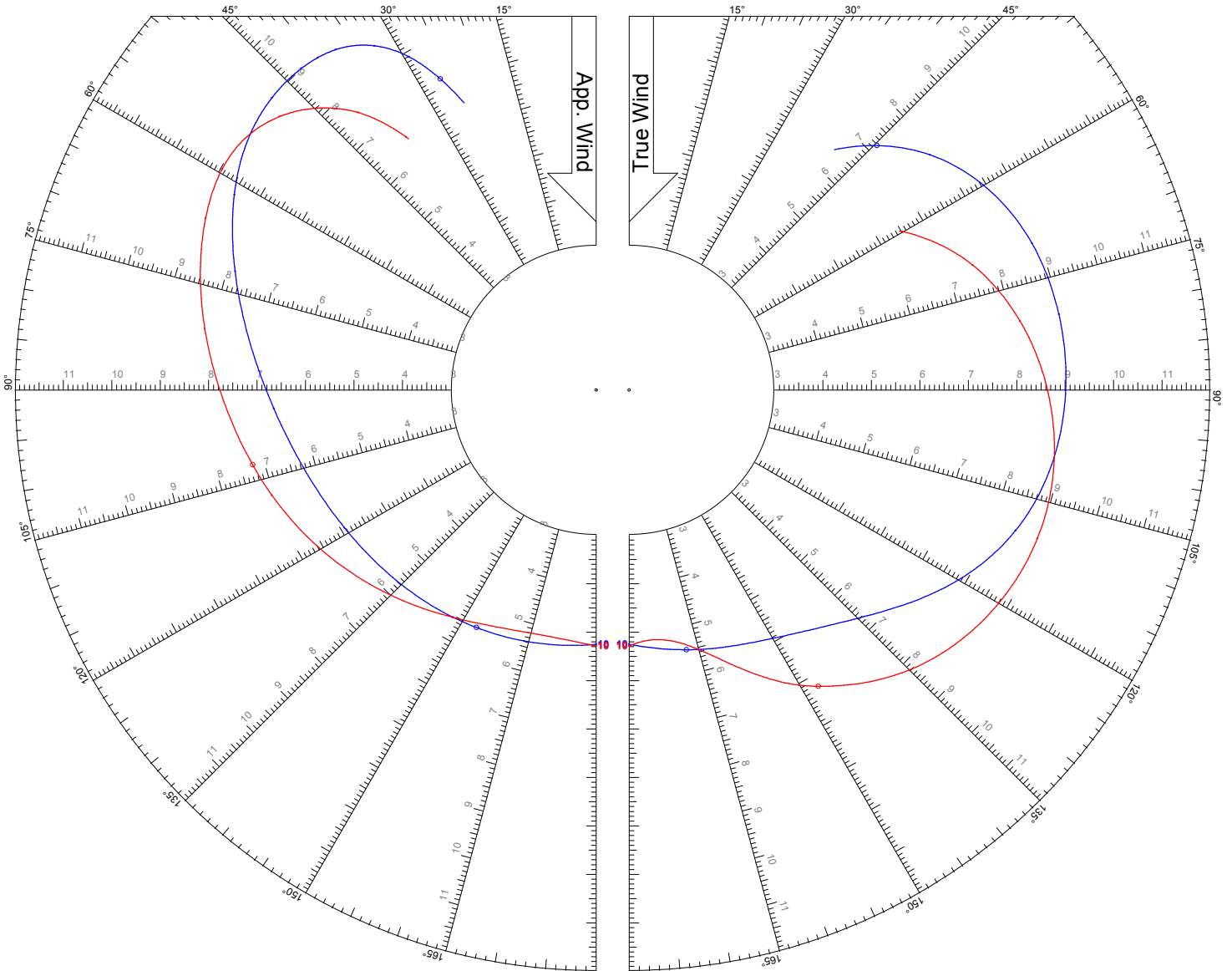
TWS: 8 kts

Jib

Asymmetric Spinnaker on Centerline



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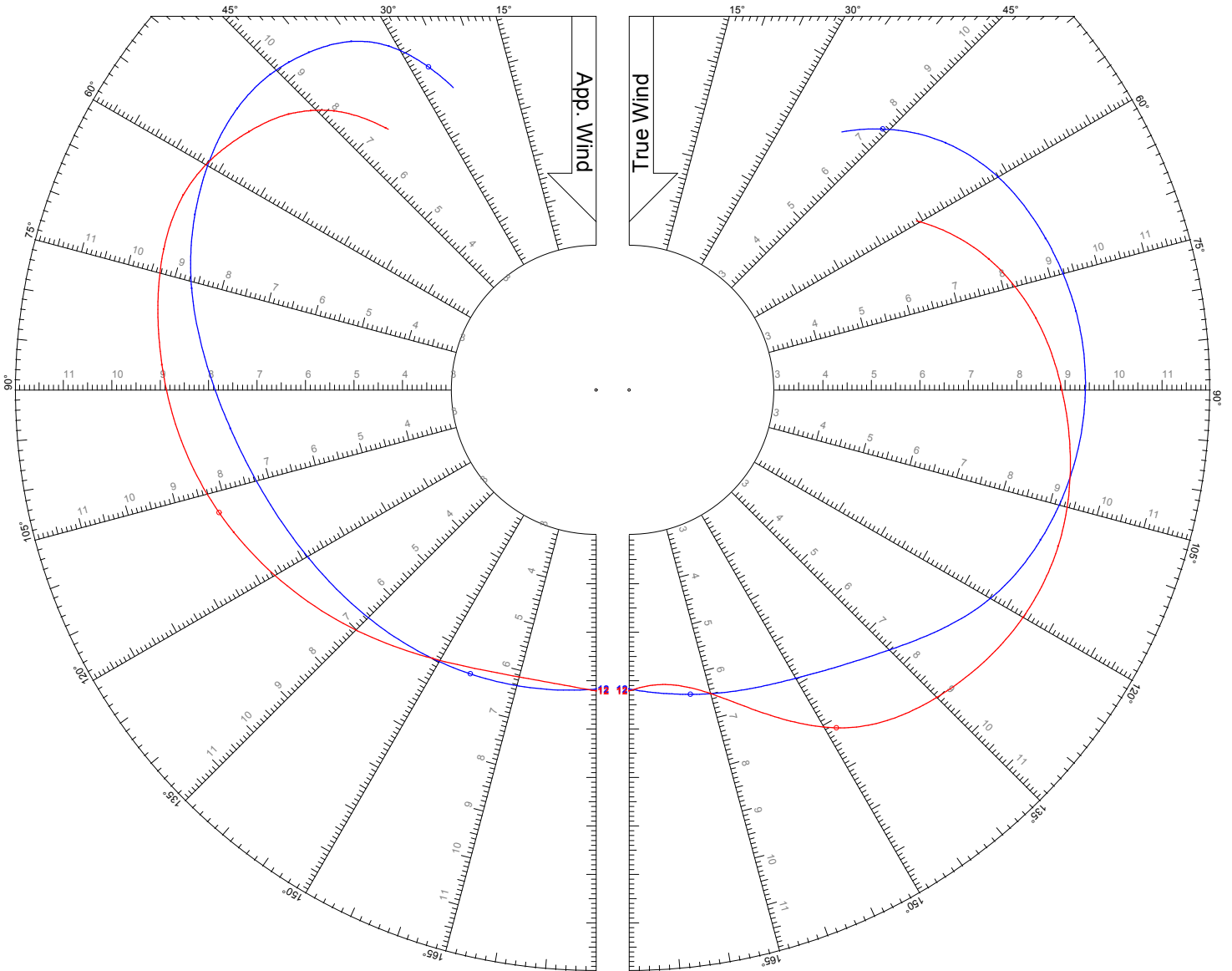
TWS: 10 kts

Jib

Asymmetric Spinnaker on Centerline



World Leader in Rating Technology



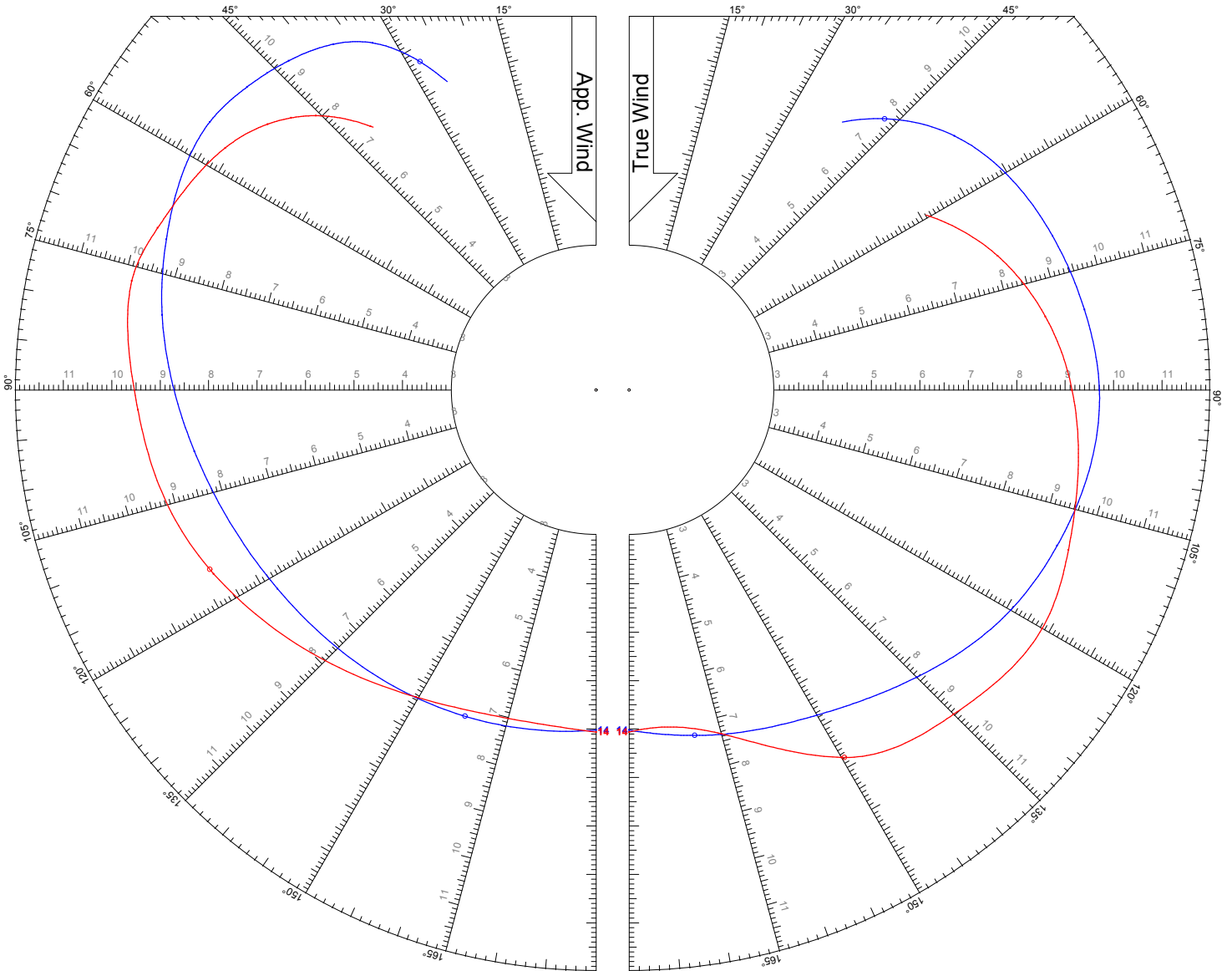
TWS: 12 kts

Jib

Asymmetric Spinnaker on Centerline



World Leader in Rating Technology



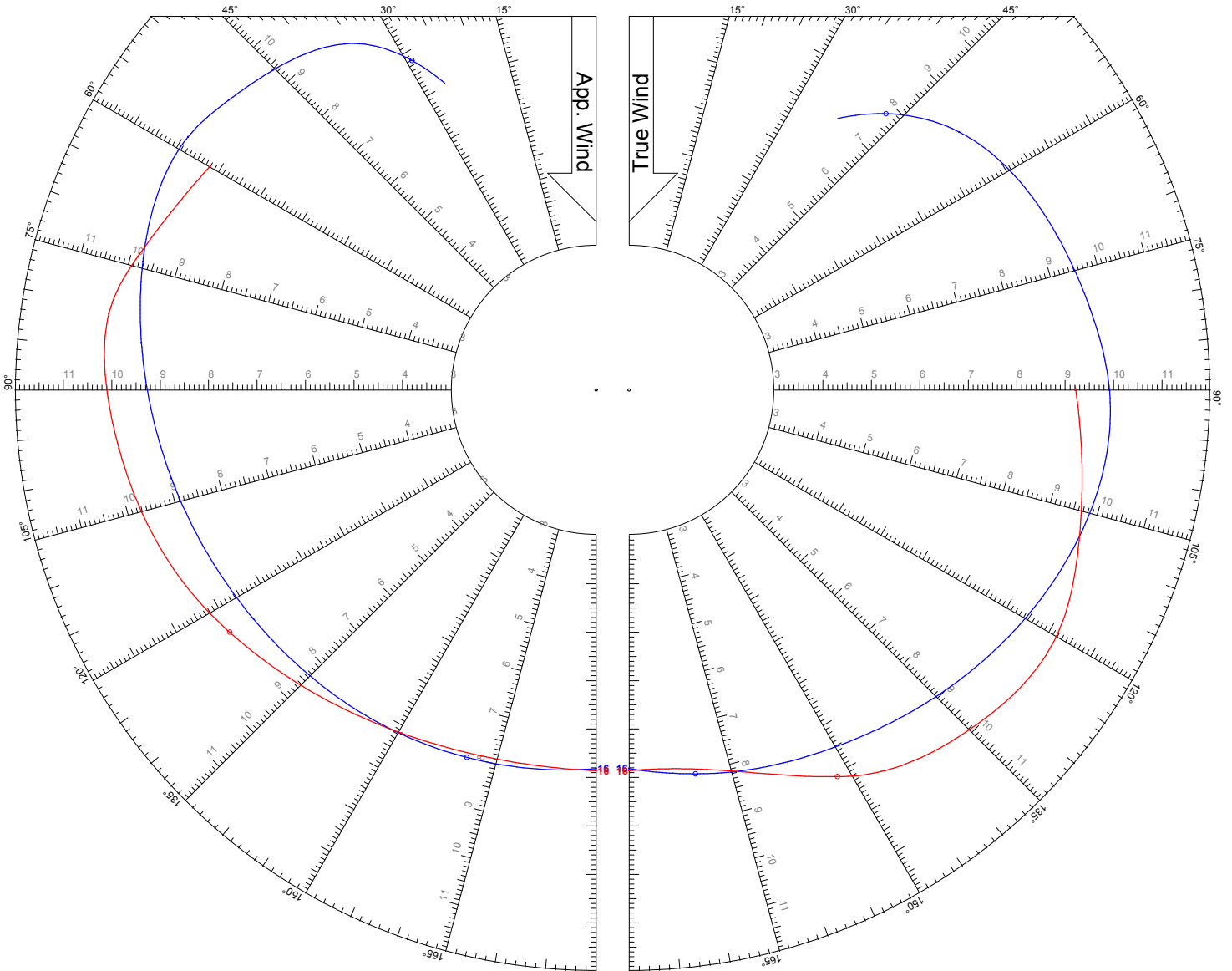
TWS: 14 kts

Jib

Asymmetric Spinnaker on Centerline



World Leader in Rating Technology



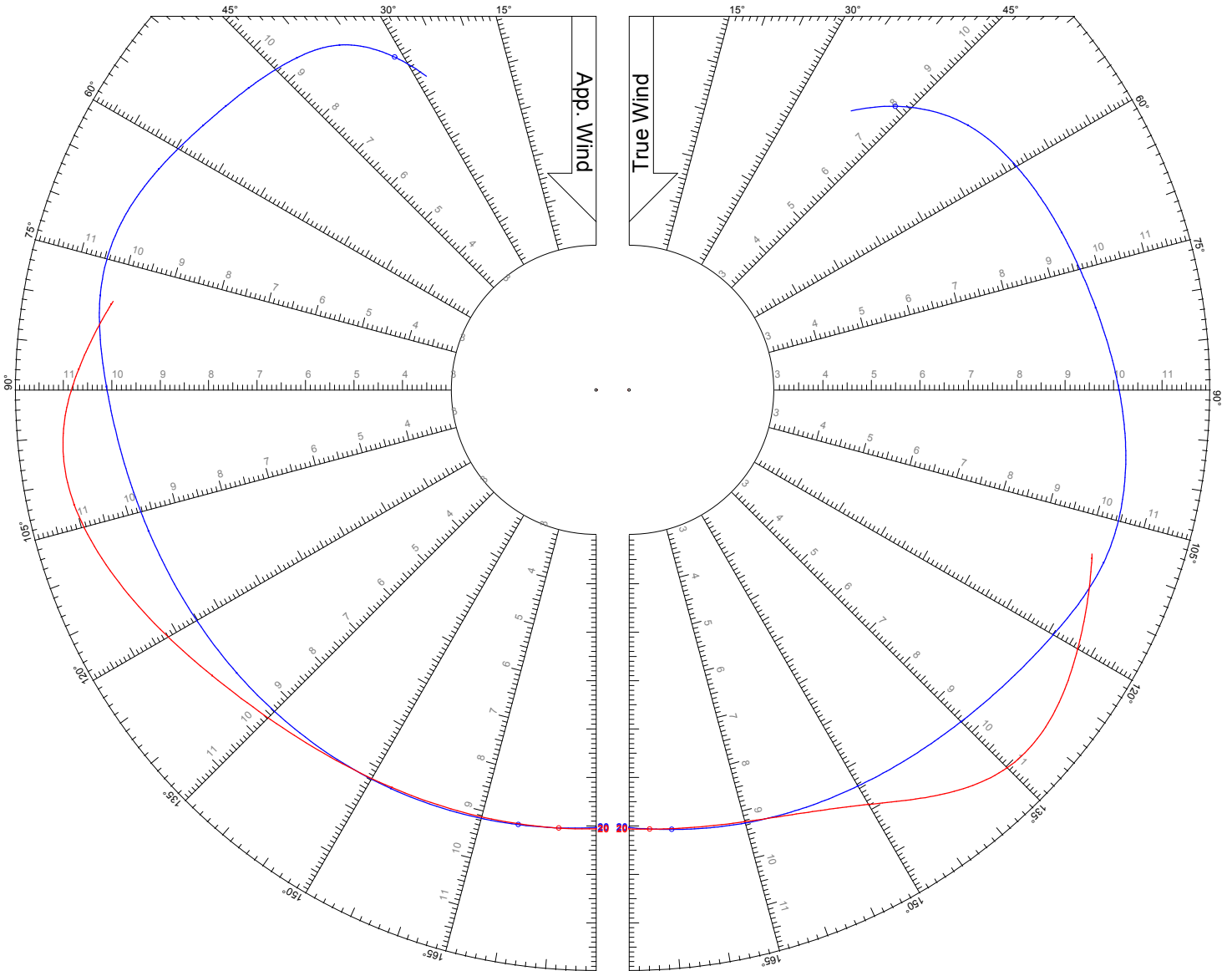
TWS: 16 kts

Jib

Asymmetric Spinnaker on Centerline



World Leader in Rating Technology



TWS: 20 kts

Jib

Asymmetric Spinnaker on Centerline

Shallow Draft Keel, Best Performance



TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
47.4° (b)	5.41	3.67	10.46	25.0°	7.6°	1.00	0.94
52°	5.84	3.59	10.64	26.4°	8.0°	1.00	0.95
60°	6.36	3.18	10.71	29.0°	8.3°	1.00	0.96
70°	6.76	2.31	10.46	32.6°	8.1°	1.00	0.99
75°	6.88	1.78	10.23	34.5°	7.8°	1.00	1.00
80°	6.95	1.21	9.94	36.5°	7.2°	1.00	1.00
90°	6.95	0.00	9.18	40.8°	5.7°	1.00	1.00
110°	6.46	2.21	7.15	52.0°	9.9°	1.00	1.00
120°	6.27	3.14	6.14	57.8°	7.9°	1.00	1.00
135°	5.58	3.95	4.45	72.5°	4.7°	1.00	1.00
150°	4.58	3.96	3.06	101.7°	2.8°	1.00	1.00
165°	3.41	3.29	2.85	147.0°	2.3°	1.00	1.00
180°	3.22	3.22	2.78	180.0°	2.0°	1.00	1.00
142.2° (r)	5.11	4.04	3.70	84.2°	3.6°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
46.3° (b)	6.49	4.48	13.33	25.7°	14.2°	1.00	0.94
52°	7.07	4.35	13.55	27.7°	15.2°	1.00	0.95
60°	7.65	3.82	13.55	30.8°	15.5°	1.00	0.96
70°	8.08	2.76	13.17	34.8°	14.9°	1.00	0.98
75°	8.20	2.12	12.85	37.0°	14.3°	1.00	1.00
80°	8.27	1.44	12.46	39.2°	13.1°	1.00	1.00
90°	8.26	0.00	11.50	44.1°	10.3°	1.00	1.00
110°	7.96	2.72	9.15	55.2°	13.5°	1.00	1.00
120°	7.74	3.87	7.87	61.6°	11.4°	1.00	1.00
135°	6.99	4.94	5.81	76.8°	6.5°	1.00	1.00
150°	5.90	5.11	4.13	104.4°	3.3°	1.00	1.00
165°	4.52	4.36	3.82	147.2°	2.5°	1.00	1.00
180°	4.28	4.28	3.72	180.0°	2.1°	1.00	1.00
145.7° (r)	6.22	5.14	4.53	94.9°	3.9°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
45.4° (b)	7.18	5.04	15.89	26.6°	20.0°	1.00	0.86
52°	7.88	4.85	16.10	29.3°	22.1°	1.00	0.89
60°	8.45	4.22	16.00	32.8°	23.4°	1.00	0.92
70°	8.85	3.03	15.45	37.5°	22.2°	1.00	0.96
75°	8.95	2.32	15.05	39.9°	21.0°	1.00	0.97
80°	9.01	1.56	14.57	42.5°	19.8°	1.00	1.00
90°	9.01	0.00	13.46	48.0°	15.2°	1.00	1.00
110°	8.97	3.07	10.91	59.5°	18.1°	1.00	1.00
120°	8.81	4.40	9.46	66.3°	14.1°	1.00	1.00
135°	8.17	5.78	7.16	81.1°	8.5°	1.00	1.00
150°	7.04	6.09	5.26	108.0°	4.0°	1.00	1.00
165°	5.55	5.36	4.86	147.8°	2.8°	1.00	1.00
180°	5.28	5.28	4.72	180.0°	2.1°	1.00	1.00
147.4° (r)	7.26	6.12	5.51	102.3°	4.5°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.2° (b)	7.51	5.39	18.16	27.4°	22.5°	1.00	0.73
52°	8.29	5.10	18.31	31.1°	24.1°	1.00	0.74
60°	8.79	4.40	18.08	35.1°	25.5°	1.00	0.79
70°	9.15	3.13	17.40	40.4°	26.5°	1.00	0.87
75°	9.27	2.40	16.96	43.1°	27.0°	1.00	0.92
80°	9.36	1.63	16.45	45.9°	25.4°	1.00	0.95
90°	9.42	0.00	15.25	51.9°	20.6°	1.00	1.00
110°	9.42	3.22	12.47	64.7°	22.3°	0.99	0.94
120°	9.39	4.69	10.93	72.0°	16.7°	1.00	1.00
135°	8.98	6.35	8.50	86.7°	10.4°	1.00	1.00
150°	8.04	6.96	6.45	111.4°	4.8°	1.00	1.00
165°	6.49	6.27	5.97	148.7°	1.0°	1.00	1.00
180°	6.21	6.21	5.79	180.0°	2.2°	1.00	1.00
148.5° (r)	8.18	6.98	6.60	108.0°	5.2°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.3° (b)	7.69	5.60	20.30	28.2°	23.0°	1.00	0.61
52°	8.52	5.25	20.38	32.8°	24.9°	1.00	0.63
60°	8.96	4.48	20.05	37.2°	26.5°	1.00	0.67
70°	9.30	3.18	19.27	43.0°	27.8°	1.00	0.75
75°	9.43	2.44	18.79	46.0°	28.1°	1.00	0.80
80°	9.54	1.66	18.26	49.0°	28.2°	1.00	0.86
90°	9.71	0.00	17.04	55.3°	25.4°	1.00	0.97
110°	9.65	3.30	14.02	69.7°	22.3°	0.95	0.88
120°	9.85	4.92	12.45	76.8°	21.6°	1.00	1.00
135°	9.47	6.70	9.91	92.5°	11.7°	1.00	1.00
150°	8.76	7.59	7.77	115.7°	5.6°	1.00	1.00
165°	7.36	7.11	7.15	149.5°	1.4°	1.00	1.00
180°	7.06	7.06	6.94	180.0°	2.3°	1.00	1.00
149.6° (r)	8.79	7.59	7.80	114.9°	5.7°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.9° (b)	7.79	5.70	22.34	29.2°	24.4°	0.74	0.58
52°	8.65	5.32	22.39	34.3°	26.0°	0.82	0.58
60°	9.07	4.53	21.98	39.1°	27.2°	1.00	0.58
70°	9.39	3.21	21.14	45.3°	28.2°	1.00	0.65
75°	9.52	2.46	20.63	48.5°	28.8°	1.00	0.70
80°	9.66	1.68	20.07	51.7°	29.5°	1.00	0.76
90°	9.91	0.00	18.82	58.2°	30.0°	1.00	0.93
110°	9.85	3.37	15.66	73.8°	22.4°	0.91	0.85
120°	10.18	5.09	14.03	81.1°	22.2°	0.98	0.94
135°	9.92	7.02	11.40	97.0°	13.0°	1.00	1.00
150°	9.20	7.97	9.25	120.2°	6.6°	1.00	1.00
165°	8.17	7.89	8.38	150.4°	1.8°	1.00	1.00
180°	7.86	7.86	8.14	180.0°	2.4°	1.00	1.00
151.7° (r)	9.07	7.98	9.10	123.5°	6.1°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.2° (b)	8.03	5.86	26.43	31.2°	24.0°	0.49	0.58
52°	8.87	5.46	26.41	36.6°	24.9°	0.50	0.58
60°	9.23	4.61	25.88	42.0°	25.2°	0.53	0.58
70°	9.50	3.25	24.91	49.0°	26.4°	0.61	0.58
75°	9.63	2.49	24.34	52.5°	29.1°	0.80	0.58
80°	9.78	1.70	23.74	56.1°	30.2°	1.00	0.60
90°	10.11	0.00	22.41	63.2°	31.8°	1.00	0.75
110°	10.42	3.56	19.13	79.2°	24.0°	1.00	1.00
120°	10.69	5.35	17.33	87.7°	22.3°	0.90	0.88
135°	11.03	7.80	14.48	102.4°	17.2°	1.00	1.00
150°	9.88	8.56	12.46	126.7°	9.4°	1.00	1.00
165°	9.26	8.94	11.32	152.8°	2.9°	1.00	1.00
180°	9.06	9.06	10.94	180.0°	2.6°	1.00	1.00
174.5° (r)	9.12	9.07	10.96	169.8°	1.5°	1.00	1.00



TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
47.4° (b)	5.41	3.67	10.48	24.9°	7.6°	1.00	0.94
52°	5.84	3.59	10.66	26.3°	8.0°	1.00	0.95
60°	6.36	3.18	10.72	28.9°	8.3°	1.00	0.96
70°	6.76	2.31	10.47	32.5°	8.1°	1.00	0.99
75°	6.88	1.78	10.24	34.4°	7.8°	1.00	1.00
80°	6.95	1.21	9.95	36.5°	7.2°	1.00	1.00
90°	6.95	0.00	9.19	40.9°	5.7°	1.00	1.00
110°	6.33	2.16	7.10	53.2°	3.1°	1.00	1.00
120°	5.63	2.82	5.86	63.6°	1.9°	1.00	1.00
135°	4.38	3.10	4.31	89.1°	0.9°	1.00	1.00
150°	3.69	3.19	3.44	117.6°	0.5°	1.00	1.00
165°	3.40	3.29	2.93	147.5°	0.3°	1.00	1.00
180°	3.20	3.20	2.89	180.0°	0.1°	1.00	1.00
165.9° (r)	3.39	3.29	2.91	149.5°	0.2°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
46.3° (b)	6.49	4.48	13.29	25.1°	14.2°	1.00	0.94
52°	7.07	4.35	13.48	27.0°	15.2°	1.00	0.95
60°	7.65	3.82	13.45	29.9°	15.5°	1.00	0.96
70°	8.08	2.76	13.06	34.0°	14.9°	1.00	0.98
75°	8.20	2.12	12.74	36.2°	14.3°	1.00	1.00
80°	8.27	1.44	12.37	38.6°	13.1°	1.00	1.00
90°	8.26	0.00	11.45	43.8°	10.3°	1.00	1.00
110°	7.56	2.58	8.96	57.6°	4.5°	1.00	1.00
120°	6.84	3.42	7.54	68.3°	2.8°	1.00	1.00
135°	5.62	3.98	5.75	91.2°	1.4°	1.00	1.00
150°	4.86	4.21	4.61	118.2°	0.9°	1.00	1.00
165°	4.51	4.36	3.93	147.7°	0.5°	1.00	1.00
180°	4.25	4.25	3.86	180.0°	0.1°	1.00	1.00
166.6° (r)	4.48	4.36	3.89	151.0°	0.4°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
45.4° (b)	7.18	5.04	15.70	25.2°	20.0°	1.00	0.86
52°	7.88	4.85	15.81	27.5°	22.1°	1.00	0.89
60°	8.45	4.22	15.61	30.6°	23.4°	1.00	0.92
70°	8.85	3.03	15.04	35.3°	22.2°	1.00	0.96
75°	8.95	2.32	14.65	38.0°	21.0°	1.00	0.97
80°	9.01	1.56	14.20	40.8°	19.8°	1.00	1.00
90°	9.01	0.00	13.24	47.1°	15.2°	1.00	1.00
110°	8.49	2.90	10.69	61.9°	6.5°	1.00	1.00
120°	7.85	3.92	9.18	72.3°	3.9°	1.00	1.00
135°	6.67	4.71	7.20	94.2°	2.1°	1.00	1.00
150°	5.92	5.13	5.84	119.5°	1.3°	1.00	1.00
165°	5.55	5.36	4.99	148.3°	0.7°	1.00	1.00
180°	5.25	5.25	4.89	180.0°	0.1°	1.00	1.00
167.6° (r)	5.49	5.36	4.91	153.6°	0.6°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.2° (b)	7.51	5.39	17.82	25.6°	22.5°	1.00	0.73
52°	8.29	5.10	17.84	28.8°	24.1°	1.00	0.74
60°	8.79	4.40	17.45	32.3°	25.5°	1.00	0.79
70°	9.15	3.13	16.61	37.2°	26.5°	1.00	0.87
75°	9.27	2.40	16.08	39.7°	27.0°	1.00	0.92
80°	9.36	1.63	15.63	42.9°	25.4°	1.00	0.95
90°	9.42	0.00	14.68	50.1°	20.6°	1.00	1.00
110°	9.04	3.09	12.27	66.5°	8.8°	1.00	1.00
120°	8.61	4.30	10.78	76.4°	5.2°	1.00	1.00
135°	7.59	5.37	8.68	96.9°	2.8°	1.00	1.00
150°	6.87	5.95	7.12	121.2°	1.9°	1.00	1.00
165°	6.49	6.27	6.12	149.1°	1.0°	1.00	1.00
180°	6.17	6.17	6.00	180.0°	0.2°	1.00	1.00
168.6° (r)	6.41	6.28	6.01	156.4°	0.8°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.3° (b)	7.69	5.60	19.85	26.2°	23.0°	1.00	0.61
52°	8.52	5.25	19.74	30.2°	24.9°	1.00	0.63
60°	8.96	4.48	19.19	34.1°	26.5°	1.00	0.67
70°	9.30	3.18	18.17	39.4°	27.8°	1.00	0.75
75°	9.43	2.44	17.59	42.3°	28.1°	1.00	0.80
80°	9.54	1.66	16.98	45.3°	28.2°	1.00	0.86
90°	9.71	0.00	15.92	52.4°	25.4°	1.00	0.97
110°	9.40	3.22	13.80	70.7°	11.4°	1.00	1.00
120°	9.09	4.55	12.36	80.7°	7.0°	1.00	1.00
135°	8.39	5.93	10.18	99.5°	3.8°	1.00	1.00
150°	7.75	6.71	8.44	122.7°	2.5°	1.00	1.00
165°	7.36	7.11	7.32	149.9°	1.4°	1.00	1.00
180°	7.02	7.02	7.18	180.0°	0.3°	1.00	1.00
169.3° (r)	7.26	7.13	7.18	158.4°	1.1°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.9° (b)	7.79	5.70	21.76	26.9°	24.4°	0.74	0.58
52°	8.65	5.32	21.55	31.4°	26.0°	0.82	0.58
60°	9.07	4.53	20.89	35.7°	27.2°	1.00	0.58
70°	9.39	3.21	19.76	41.5°	28.2°	1.00	0.65
75°	9.52	2.46	19.10	44.5°	28.8°	1.00	0.70
80°	9.66	1.68	18.39	47.6°	29.5°	1.00	0.76
90°	9.91	0.00	16.96	54.2°	30.0°	1.00	0.93
110°	9.72	3.33	15.28	74.0°	14.5°	1.00	1.00
120°	9.44	4.72	13.92	84.5°	9.3°	1.00	1.00
135°	8.95	6.33	11.74	102.5°	5.0°	1.00	1.00
150°	8.51	7.37	9.83	124.4°	3.2°	1.00	1.00
165°	8.17	7.89	8.58	150.8°	1.8°	1.00	1.00
180°	7.82	7.82	8.41	180.0°	0.4°	1.00	1.00
170.2° (r)	8.04	7.92	8.40	160.8°	1.3°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.2° (b)	8.03	5.86	25.35	28.7°	24.0°	0.49	0.58
52°	8.87	5.46	25.09	33.7°	24.9°	0.50	0.58
60°	9.23	4.61	24.42	38.9°	25.2°	0.53	0.58
70°	9.50	3.25	23.24	45.6°	26.4°	0.61	0.58
75°	9.63	2.49	22.24	48.5°	29.1°	0.80	0.58
80°	9.78	1.70	21.36	51.8°	30.2°	1.00	0.60
90°	10.11	0.00	19.60	58.9°	31.8°	1.00	0.75
110°	10.42	3.56	17.60	78.4°	24.0°	1.00	1.00
120°	10.11	5.05	16.88	90.0°	15.6°	1.00	1.00
135°	9.69	6.85	14.92	108.3°	9.5°	1.00	1.00
150°	9.44	8.18	12.96	128.8°	5.5°	1.00	1.00
165°	9.26	8.94	11.56	153.1°	2.9°	1.00	1.00
180°	9.03	9.03	11.26	180.0°	0.7°	1.00	1.00
174.5° (r)	9.12	9.07	11.23	170.0°	1.5°	1.00	1.00

Shallow Draft Keel, Asymmetric Spinnaker on CL



TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	4.28	2.14	9.09	35.7°	9.4°	1.00	0.95
70°	5.28	1.81	9.36	37.7°	11.0°	1.00	0.96
75°	5.67	1.47	9.36	39.0°	11.5°	1.00	0.96
80°	5.98	1.04	9.26	40.3°	11.8°	1.00	0.96
90°	6.38	0.00	8.82	43.7°	11.8°	1.00	0.97
110°	6.46	2.21	7.21	53.1°	9.9°	1.00	1.00
120°	6.27	3.14	6.21	59.5°	7.9°	1.00	1.00
135°	5.58	3.95	4.55	75.2°	4.7°	1.00	1.00
150°	4.58	3.96	3.23	104.9°	2.8°	1.00	1.00
165°	3.41	3.29	3.04	148.2°	2.3°	1.00	1.00
180°	3.22	3.22	2.97	180.0°	2.0°	1.00	1.00
142.2° (r)	5.11	4.04	3.83	87.3°	3.6°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	5.53	2.77	11.91	35.7°	13.7°	1.00	0.95
70°	6.69	2.29	12.09	38.1°	16.2°	1.00	0.95
75°	7.11	1.84	12.00	39.6°	17.0°	1.00	0.95
80°	7.44	1.29	11.80	41.2°	17.5°	1.00	0.96
90°	7.84	0.00	11.14	45.3°	17.0°	1.00	0.97
110°	7.96	2.72	9.15	56.0°	13.5°	1.00	1.00
120°	7.74	3.87	7.91	63.0°	11.4°	1.00	1.00
135°	6.99	4.94	5.95	79.3°	6.5°	1.00	1.00
150°	5.90	5.11	4.35	107.4°	3.3°	1.00	1.00
165°	4.52	4.36	4.08	148.4°	2.5°	1.00	1.00
180°	4.28	4.28	3.97	180.0°	2.1°	1.00	1.00
145.7° (r)	6.22	5.14	4.73	97.9°	3.9°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.53	3.27	14.35	35.5°	20.7°	1.00	0.93
70°	7.54	2.58	14.20	38.9°	22.4°	0.96	0.90
75°	7.90	2.04	13.98	41.0°	22.4°	0.95	0.89
80°	8.19	1.42	13.67	43.1°	22.4°	0.95	0.89
90°	8.63	0.00	12.84	47.8°	22.4°	0.97	0.92
110°	8.97	3.07	10.72	59.6°	18.1°	1.00	1.00
120°	8.81	4.40	9.43	67.4°	14.1°	1.00	1.00
135°	8.17	5.78	7.32	83.5°	8.5°	1.00	1.00
150°	7.04	6.09	5.54	110.7°	4.0°	1.00	1.00
165°	5.55	5.36	5.18	149.0°	2.8°	1.00	1.00
180°	5.28	5.28	5.04	180.0°	2.1°	1.00	1.00
147.4° (r)	7.26	6.12	5.77	105.1°	4.5°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.94	3.47	16.35	36.9°	22.3°	0.92	0.85
70°	7.90	2.70	16.09	41.3°	22.7°	0.89	0.79
75°	8.24	2.13	15.78	43.7°	22.8°	0.89	0.79
80°	8.53	1.48	15.41	46.3°	22.6°	0.90	0.80
90°	8.93	0.00	14.44	51.8°	22.6°	0.92	0.81
110°	9.42	3.22	11.95	64.3°	22.3°	0.99	0.94
120°	9.39	4.69	10.79	72.9°	16.7°	1.00	1.00
135°	8.98	6.35	8.67	88.9°	10.4°	1.00	1.00
150°	8.04	6.96	6.79	113.9°	4.8°	1.00	1.00
165°	6.49	6.27	6.36	149.7°	3.3°	1.00	1.00
180°	6.21	6.21	6.17	180.0°	2.2°	1.00	1.00
148.5° (r)	8.18	6.98	6.94	110.6°	5.2°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.17	3.58	18.22	38.5°	22.8°	0.85	0.78
70°	8.09	2.77	17.86	43.5°	22.9°	0.85	0.71
75°	8.44	2.18	17.52	46.2°	22.9°	0.85	0.72
80°	8.72	1.52	17.09	49.1°	22.8°	0.85	0.74
90°	9.14	0.00	16.01	55.2°	22.5°	0.85	0.80
110°	9.65	3.30	13.37	69.3°	22.3°	0.95	0.88
120°	9.85	4.92	11.93	77.3°	21.6°	1.00	1.00
135°	9.47	6.70	10.09	94.6°	11.7°	1.00	1.00
150°	8.76	7.59	8.18	117.9°	5.6°	1.00	1.00
165°	7.35	7.10	7.61	150.6°	3.8°	1.00	1.00
180°	7.06	7.06	7.38	180.0°	2.3°	1.00	1.00
149.6° (r)	8.79	7.59	8.21	117.1°	5.7°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	-0.01	-0.01	15.14	57.6°	24.5°	0.85	0.62
70°	-0.01	0.00	14.95	68.2°	24.5°	0.85	0.62
75°	-0.01	0.00	14.87	73.6°	24.5°	0.85	0.62
80°	-0.01	0.00	14.81	79.1°	24.5°	0.85	0.62
90°	9.22	0.00	17.62	58.5°	22.6°	0.85	0.65
110°	9.85	3.37	14.84	73.3°	22.4°	0.91	0.85
120°	10.18	5.09	13.36	81.7°	22.2°	0.98	0.94
135°	9.92	7.02	11.57	99.0°	13.0°	1.00	1.00
150°	9.20	7.97	9.73	122.1°	6.6°	1.00	1.00
165°	8.14	7.87	8.91	151.4°	4.4°	1.00	1.00
180°	7.86	7.86	8.64	180.0°	2.4°	1.00	1.00
151.7° (r)	9.07	7.98	9.58	125.3°	6.1°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	-0.01	-0.01	17.65	55.3°	33.6°	0.85	0.62
70°	-0.01	0.00	17.18	66.4°	33.6°	0.85	0.62
75°	-0.01	0.00	17.00	72.2°	33.6°	0.85	0.62
80°	-0.01	0.00	16.86	78.1°	33.6°	0.85	0.62
90°	-0.01	0.00	16.75	90.0°	33.6°	0.85	0.62
110°	10.16	3.48	17.93	79.7°	22.6°	0.85	0.73
120°	10.69	5.35	16.38	88.4°	22.3°	0.90	0.88
135°	11.03	7.80	14.44	104.4°	17.2°	1.00	1.00
150°	9.88	8.56	13.00	128.2°	9.4°	1.00	1.00
165°	9.23	8.91	11.97	153.6°	6.1°	1.00	1.00
180°	9.06	9.06	11.57	180.0°	2.6°	1.00	1.00
177.3° (r)	9.08	9.07	11.57	175.3°	3.2°	1.00	1.00