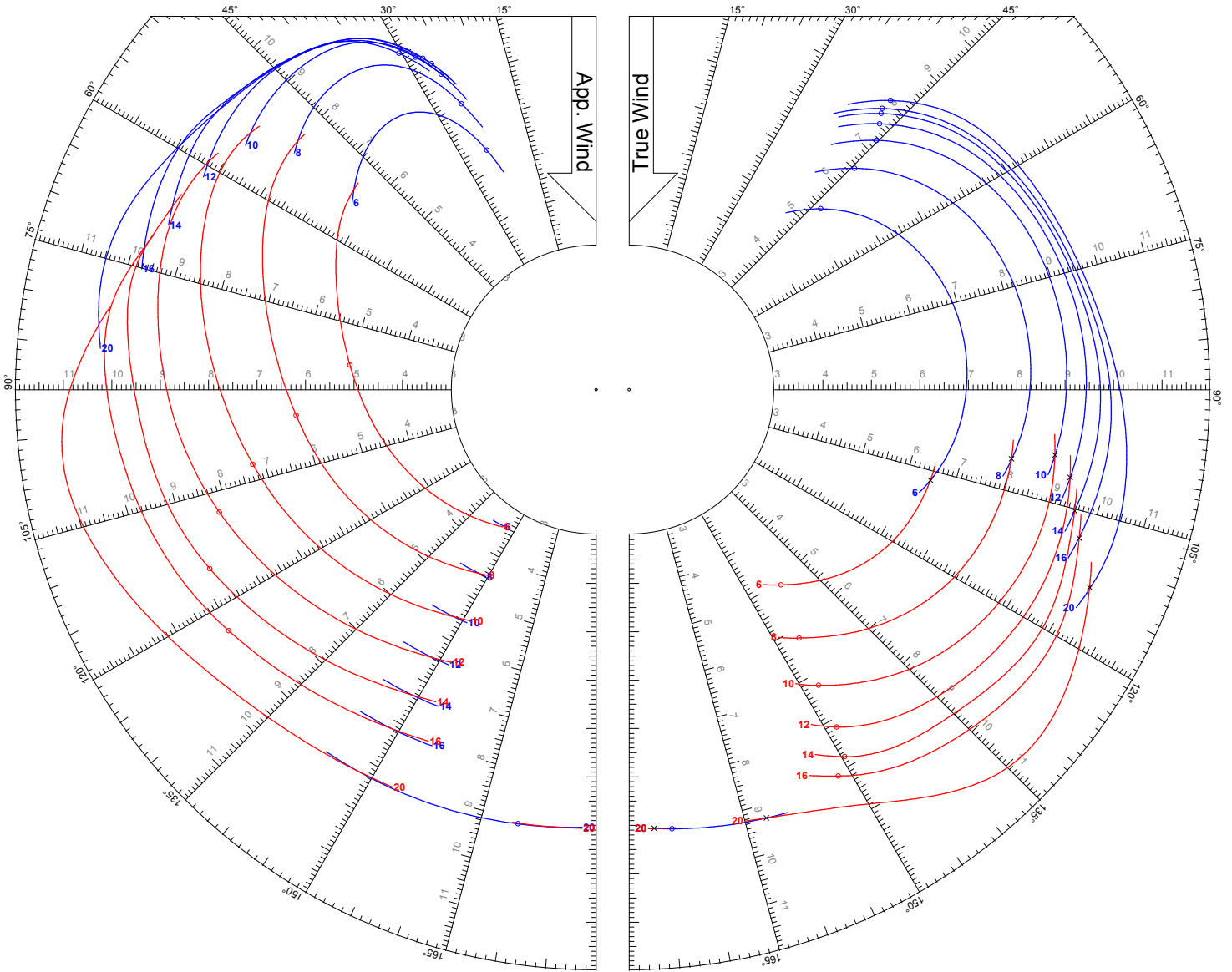




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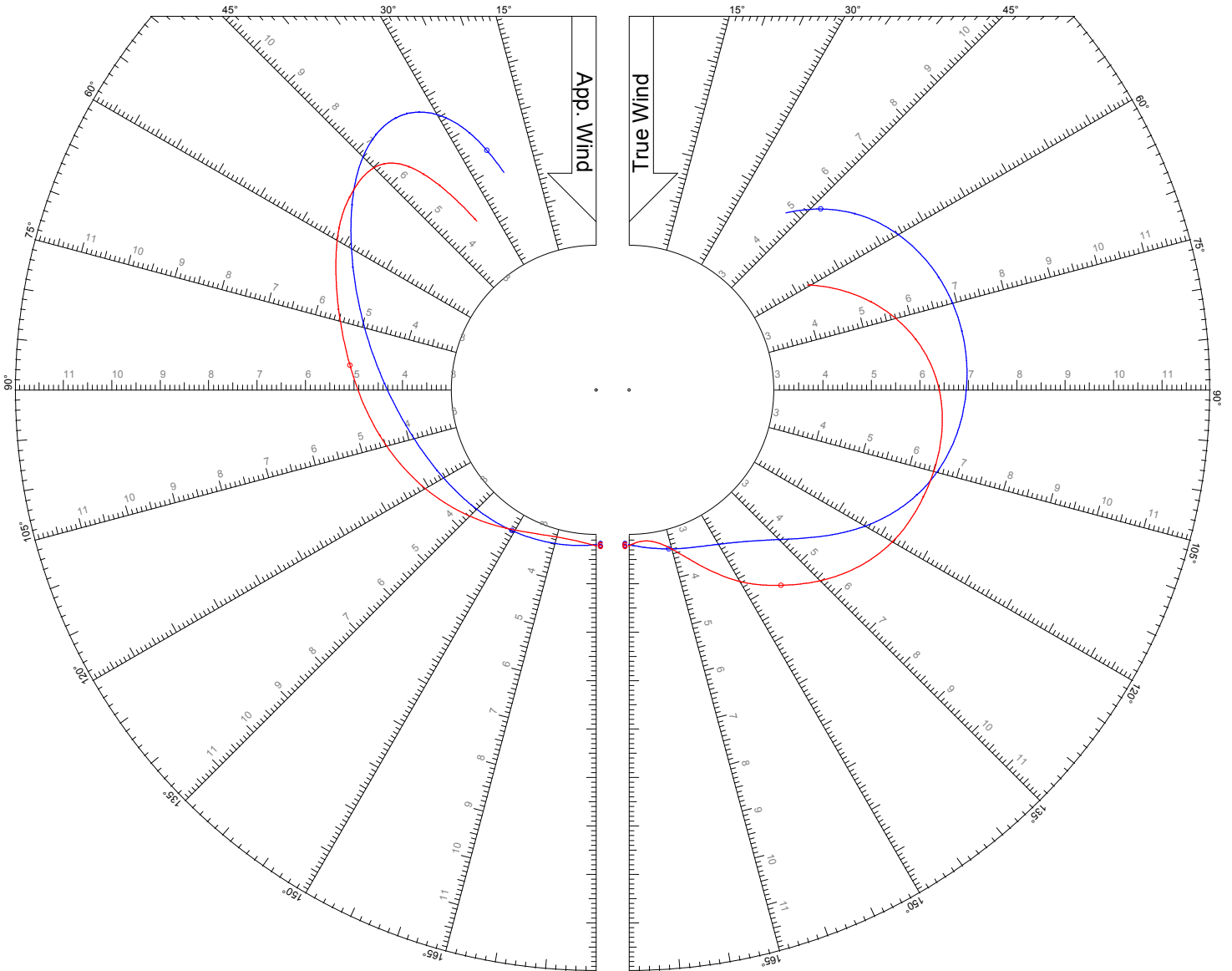
**TWS: 6, 8, 10, 12, 14, 16, 20 kts**

**Jib**

**Asymmetric Spinnaker on Centerline**



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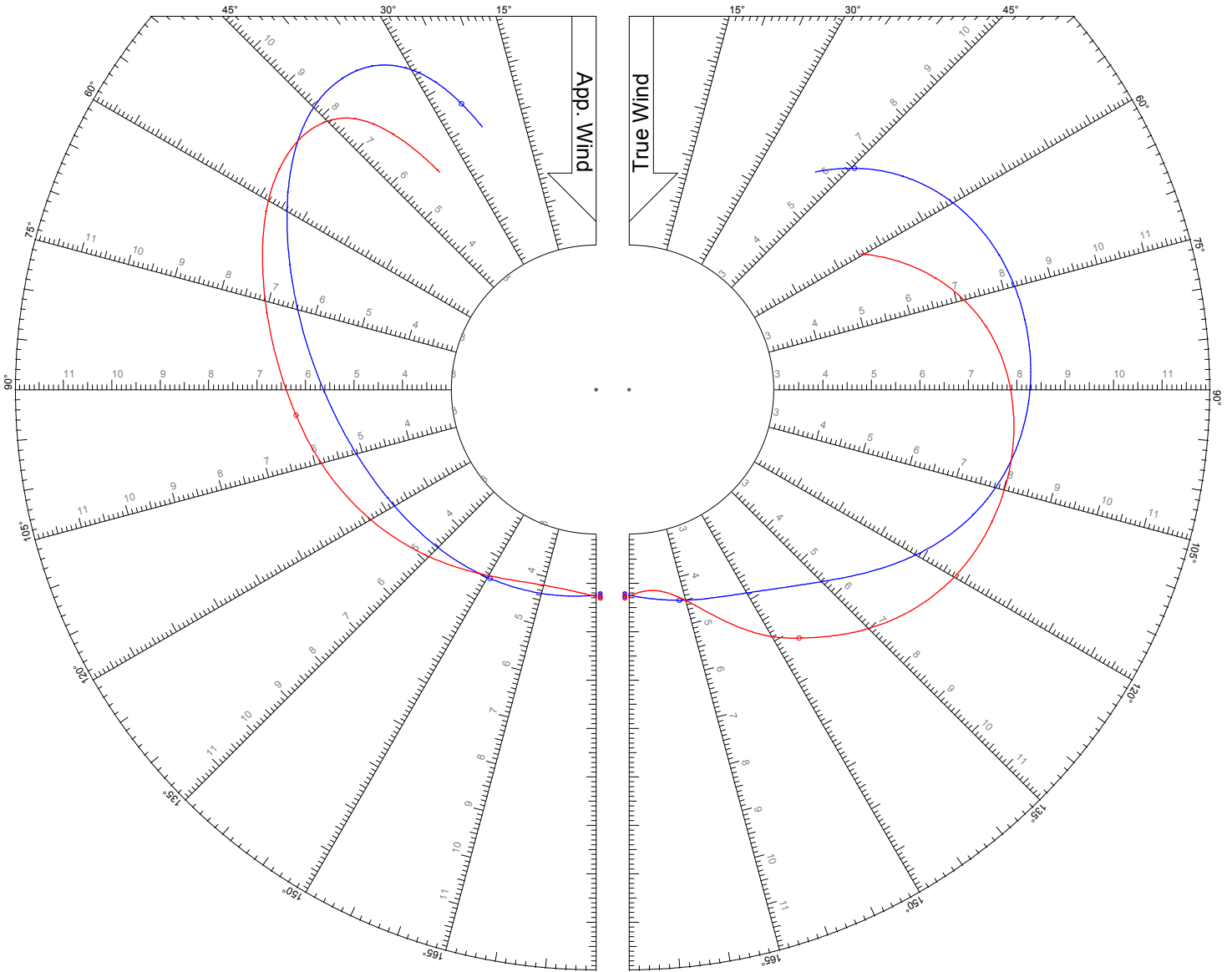
**TWS: 6 kts**

**Jib**

**Asymmetric Spinnaker on Centerline**



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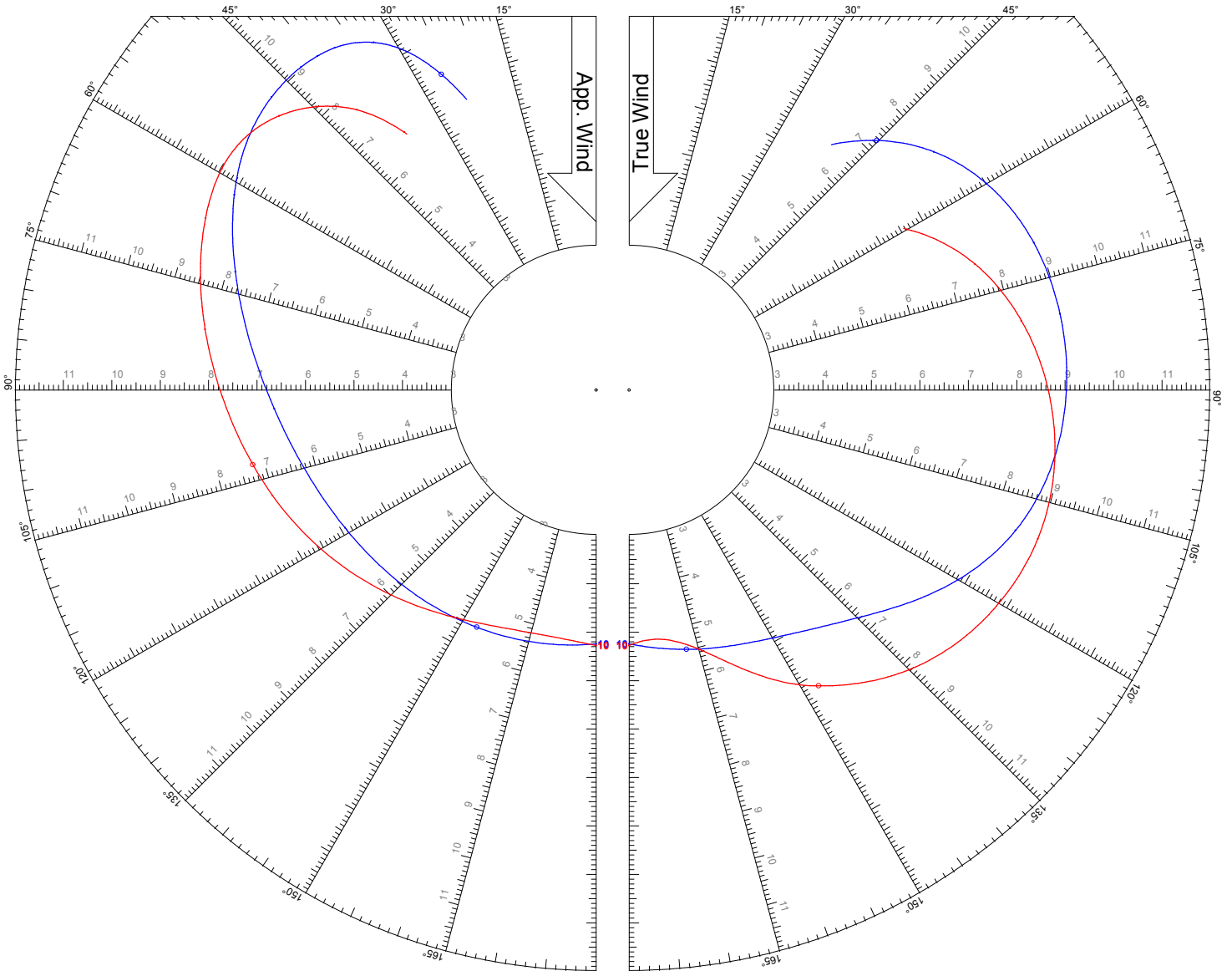
**TWS: 8 kts**

**Jib**

**Asymmetric Spinnaker on Centerline**



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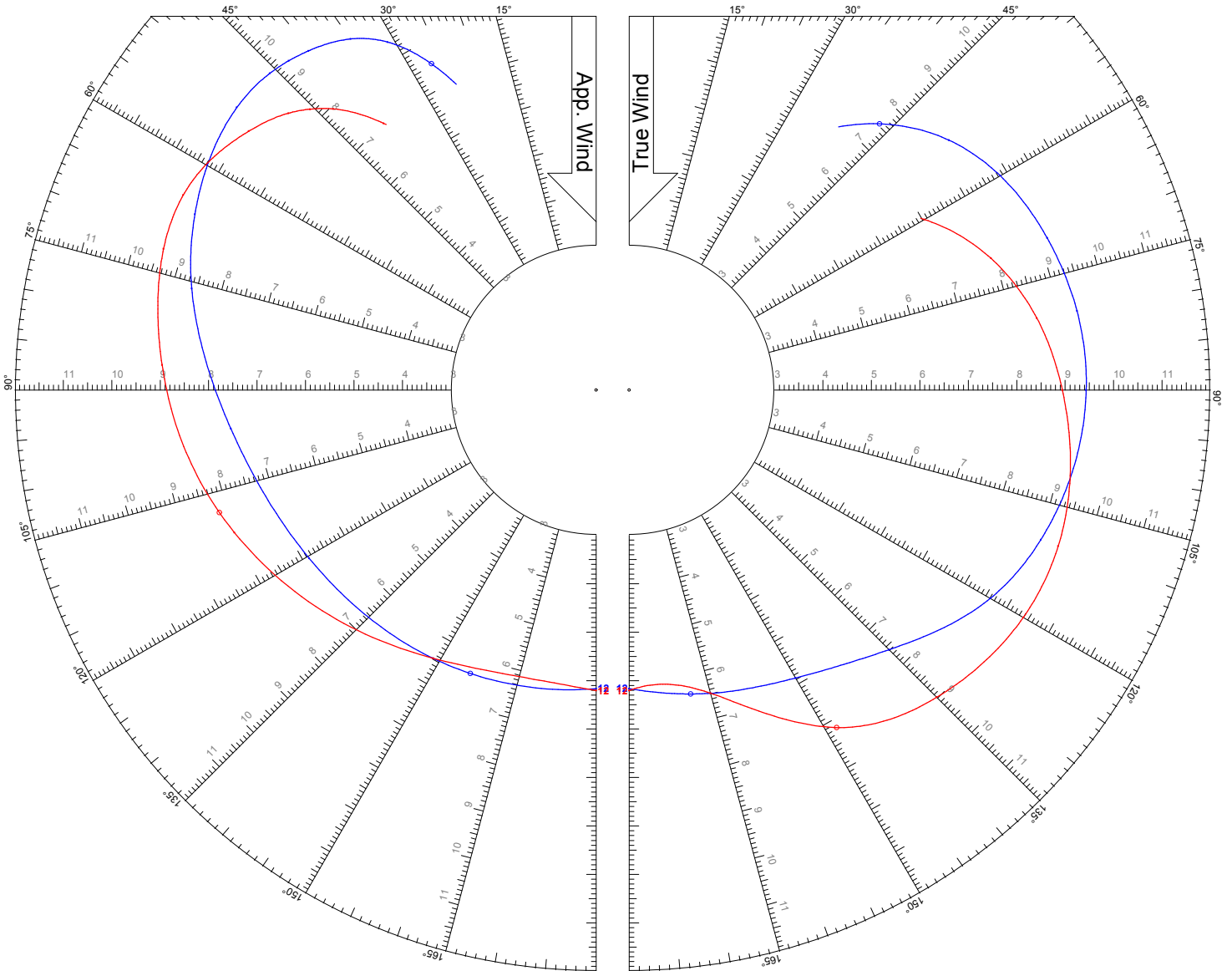
**TWS: 10 kts**

**Jib**

**Asymmetric Spinnaker on Centerline**



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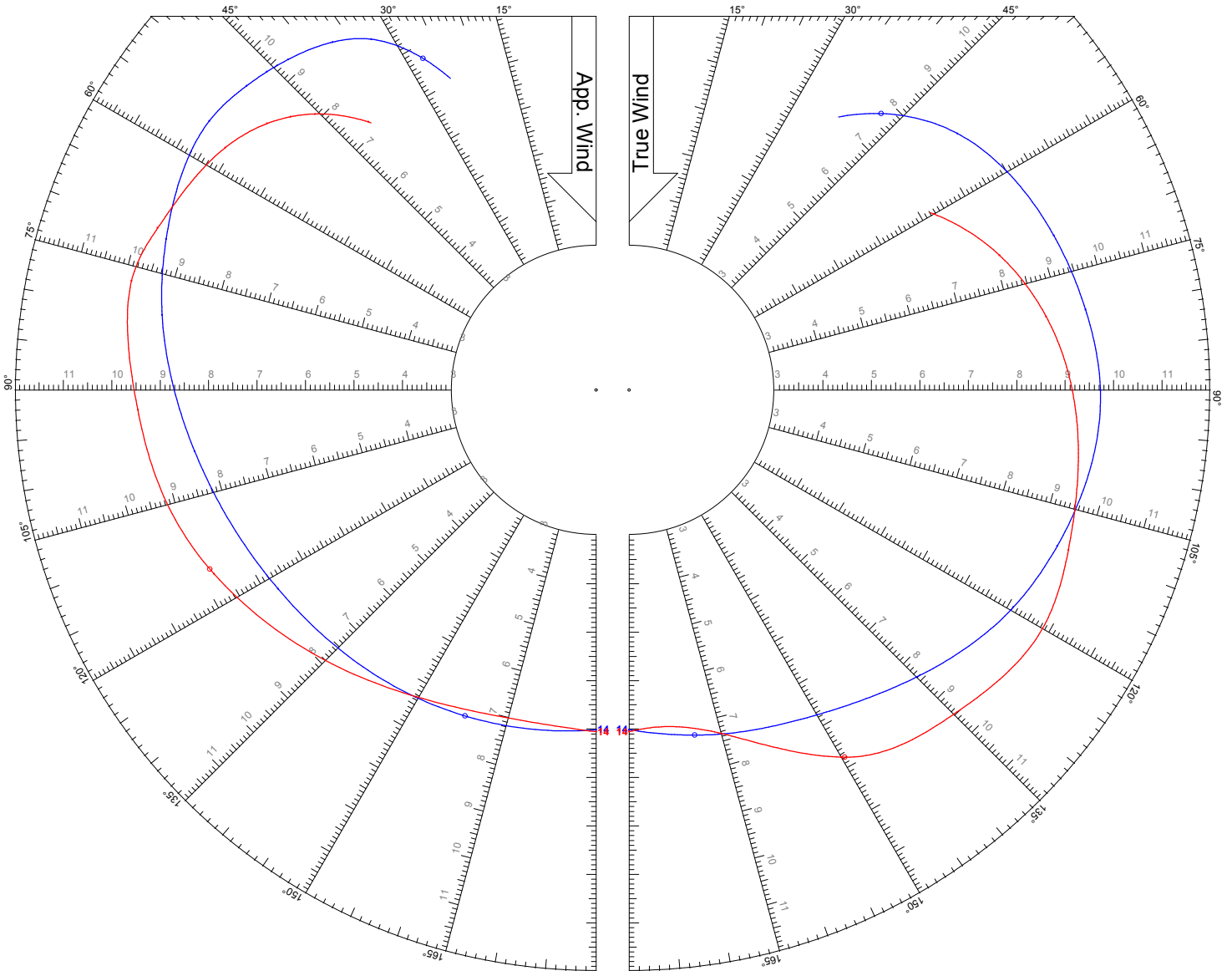
**TWS: 12 kts**

**Jib**

**Asymmetric Spinnaker on Centerline**



World Leader in Rating Technology



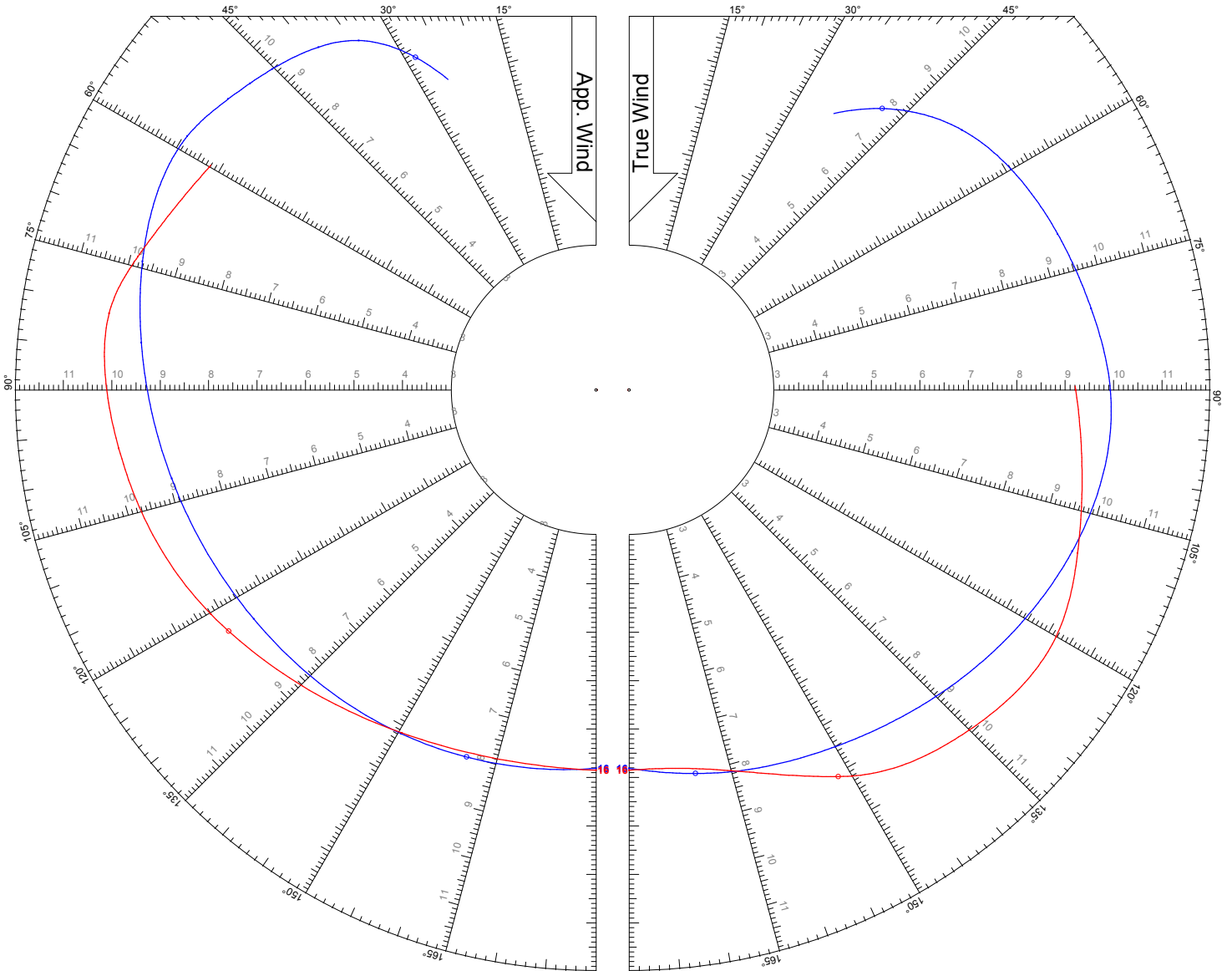
**TWS: 14 kts**

**Jib**

**Asymmetric Spinnaker on Centerline**



World Leader in Rating Technology



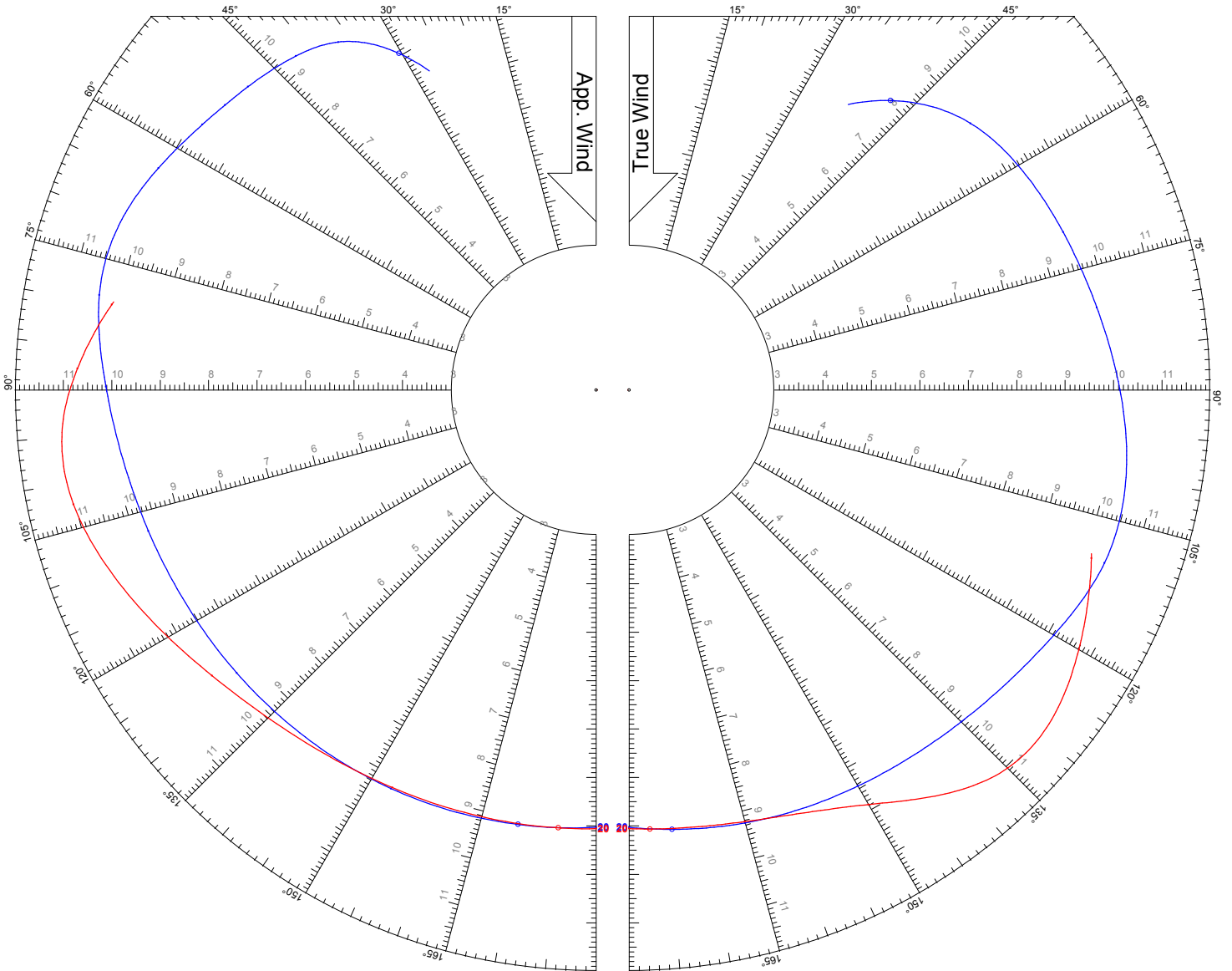
**TWS: 16 kts**

**Jib**

**Asymmetric Spinnaker on Centerline**



World Leader in Rating Technology



**TWS: 20 kts**

**Jib**

**Asymmetric Spinnaker on Centerline**



## Medium Draft Keel, Best Performance



TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
46.6° (b)	5.44	3.74	10.51	24.5°	7.8°	1.00	0.95
52°	5.91	3.64	10.71	26.2°	8.4°	1.00	0.95
60°	6.42	3.21	10.75	28.9°	8.7°	1.00	0.97
70°	6.80	2.33	10.50	32.5°	8.4°	1.00	0.99
75°	6.91	1.79	10.26	34.4°	8.0°	1.00	1.00
80°	6.97	1.21	9.96	36.4°	7.4°	1.00	1.00
90°	6.96	0.00	9.19	40.8°	5.8°	1.00	1.00
110°	6.46	2.21	7.16	52.0°	10.0°	1.00	1.00
120°	6.27	3.14	6.14	57.8°	7.9°	1.00	1.00
135°	5.57	3.94	4.45	72.6°	4.7°	1.00	1.00
150°	4.57	3.95	3.07	101.9°	2.8°	1.00	1.00
165°	3.40	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	4.03	3.70	84.3°	3.6°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
45.5° (b)	6.52	4.57	13.41	25.2°	14.8°	1.00	0.94
52°	7.16	4.41	13.63	27.5°	15.8°	1.00	0.95
60°	7.72	3.86	13.61	30.6°	16.2°	1.00	0.97
70°	8.13	2.78	13.21	34.7°	15.6°	1.00	0.99
75°	8.24	2.13	12.88	36.9°	14.6°	1.00	1.00
80°	8.29	1.44	12.48	39.1°	13.4°	1.00	1.00
90°	8.27	0.00	11.51	44.0°	10.5°	1.00	1.00
110°	7.97	2.73	9.16	55.1°	13.7°	1.00	1.00
120°	7.74	3.87	7.88	61.6°	11.4°	1.00	1.00
135°	6.98	4.94	5.81	76.8°	6.5°	1.00	1.00
150°	5.89	5.10	4.13	104.6°	3.3°	1.00	1.00
165°	4.51	4.35	3.83	147.3°	2.5°	1.00	1.00
180°	4.27	4.27	3.73	180.0°	2.1°	1.00	1.00
145.6° (r)	6.22	5.13	4.53	94.9°	4.0°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.8° (b)	7.25	5.15	15.99	26.1°	21.9°	1.00	0.88
52°	7.99	4.92	16.19	29.1°	23.4°	1.00	0.89
60°	8.52	4.26	16.05	32.6°	24.4°	1.00	0.93
70°	8.89	3.04	15.48	37.4°	23.0°	1.00	0.96
75°	8.98	2.32	15.07	39.9°	21.7°	1.00	0.98
80°	9.03	1.57	14.59	42.5°	20.4°	1.00	1.00
90°	9.02	0.00	13.47	47.9°	15.5°	1.00	1.00
110°	8.98	3.07	10.92	59.4°	18.4°	1.00	1.00
120°	8.81	4.40	9.46	66.3°	14.3°	1.00	1.00
135°	8.17	5.78	7.16	81.2°	8.5°	1.00	1.00
150°	7.03	6.09	5.26	108.1°	4.0°	1.00	1.00
165°	5.54	5.35	4.87	147.9°	2.9°	1.00	1.00
180°	5.28	5.28	4.72	180.0°	2.1°	1.00	1.00
147.4° (r)	7.25	6.11	5.51	102.3°	4.5°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.3° (b)	7.54	5.49	18.24	26.8°	23.6°	1.00	0.73
52°	8.38	5.16	18.38	31.0°	25.2°	1.00	0.75
60°	8.84	4.42	18.12	35.0°	26.6°	1.00	0.79
70°	9.18	3.14	17.42	40.3°	27.4°	1.00	0.87
75°	9.30	2.41	16.98	43.1°	27.8°	1.00	0.92
80°	9.39	1.63	16.47	45.9°	26.2°	1.00	0.95
90°	9.43	0.00	15.26	51.8°	21.1°	1.00	1.00
110°	9.42	3.22	12.47	64.7°	22.3°	0.99	0.94
120°	9.39	4.70	10.93	71.9°	16.9°	1.00	1.00
135°	8.97	6.35	8.50	86.7°	10.5°	1.00	1.00
150°	8.03	6.95	6.45	111.5°	4.8°	1.00	1.00
165°	6.48	6.26	5.98	148.7°	1.0°	1.00	1.00
180°	6.20	6.20	5.80	180.0°	2.2°	1.00	1.00
148.4° (r)	8.18	6.97	6.61	108.0°	5.2°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.4° (b)	7.72	5.70	20.38	27.6°	24.1°	1.00	0.61
52°	8.60	5.29	20.45	32.6°	26.1°	1.00	0.63
60°	9.01	4.50	20.08	37.1°	27.5°	1.00	0.67
70°	9.33	3.19	19.29	43.0°	28.7°	1.00	0.75
75°	9.45	2.45	18.81	46.0°	29.0°	1.00	0.80
80°	9.56	1.66	18.28	49.0°	29.1°	1.00	0.86
90°	9.73	0.00	17.05	55.2°	26.2°	1.00	0.97
110°	9.65	3.30	14.02	69.7°	22.3°	0.95	0.88
120°	9.85	4.93	12.46	76.8°	21.8°	1.00	1.00
135°	9.47	6.70	9.91	92.5°	11.7°	1.00	1.00
150°	8.75	7.58	7.77	115.7°	5.7°	1.00	1.00
165°	7.35	7.10	7.15	149.6°	1.4°	1.00	1.00
180°	7.05	7.05	6.95	180.0°	2.3°	1.00	1.00
149.6° (r)	8.79	7.58	7.81	114.9°	5.8°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.0° (b)	7.81	5.81	22.43	28.5°	25.4°	0.73	0.58
52°	8.72	5.37	22.45	34.2°	27.1°	0.82	0.58
60°	9.11	4.55	22.02	39.0°	28.2°	0.99	0.58
70°	9.41	3.22	21.16	45.3°	29.0°	1.00	0.65
75°	9.55	2.47	20.64	48.5°	29.8°	1.00	0.70
80°	9.68	1.68	20.09	51.7°	30.3°	1.00	0.76
90°	9.93	0.00	18.83	58.2°	30.7°	1.00	0.92
110°	9.85	3.37	15.66	73.8°	22.4°	0.91	0.84
120°	10.18	5.09	14.03	81.1°	22.2°	0.98	0.94
135°	9.93	7.02	11.40	97.0°	13.1°	1.00	1.00
150°	9.20	7.97	9.26	120.2°	6.6°	1.00	1.00
165°	8.16	7.88	8.39	150.4°	1.8°	1.00	1.00
180°	7.85	7.85	8.15	180.0°	2.4°	1.00	1.00
151.6° (r)	9.07	7.98	9.11	123.3°	6.2°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.1° (b)	8.05	5.97	26.53	30.4°	24.9°	0.49	0.58
52°	8.94	5.51	26.46	36.6°	26.0°	0.50	0.58
60°	9.27	4.63	25.91	42.0°	26.1°	0.53	0.58
70°	9.53	3.26	24.93	48.9°	27.1°	0.61	0.58
75°	9.66	2.50	24.36	52.5°	30.1°	0.80	0.58
80°	9.80	1.70	23.75	56.0°	30.9°	1.00	0.59
90°	10.13	0.00	22.42	63.1°	32.5°	1.00	0.74
110°	10.44	3.57	19.14	79.2°	24.6°	1.00	1.00
120°	10.72	5.36	17.34	87.6°	22.2°	0.87	0.94
135°	11.04	7.81	14.48	102.4°	17.4°	1.00	1.00
150°	9.88	8.56	12.46	126.6°	9.5°	1.00	1.00
165°	9.25	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
174.4° (r)	9.11	9.07	10.97	169.8°	1.5°	1.00	1.00



TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
46.6° (b)	5.44	3.74	10.53	24.4°	7.8°	1.00	0.95
52°	5.91	3.64	10.72	26.1°	8.4°	1.00	0.95
60°	6.42	3.21	10.76	28.7°	8.7°	1.00	0.97
70°	6.80	2.33	10.50	32.4°	8.4°	1.00	0.99
75°	6.91	1.79	10.26	34.3°	8.0°	1.00	1.00
80°	6.97	1.21	9.96	36.4°	7.4°	1.00	1.00
90°	6.96	0.00	9.20	40.9°	5.8°	1.00	1.00
110°	6.32	2.16	7.10	53.2°	3.1°	1.00	1.00
120°	5.62	2.81	5.85	63.8°	2.0°	1.00	1.00
135°	4.37	3.09	4.31	89.2°	0.9°	1.00	1.00
150°	3.68	3.19	3.44	117.7°	0.5°	1.00	1.00
165°	3.40	3.28	2.93	147.6°	0.3°	1.00	1.00
180°	3.19	3.19	2.89	180.0°	0.1°	1.00	1.00
165.9° (r)	3.38	3.28	2.92	149.6°	0.2°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
45.5° (b)	6.52	4.57	13.36	24.5°	14.8°	1.00	0.94
52°	7.16	4.41	13.55	26.7°	15.8°	1.00	0.95
60°	7.72	3.86	13.50	29.7°	16.2°	1.00	0.97
70°	8.13	2.78	13.09	33.8°	15.6°	1.00	0.99
75°	8.24	2.13	12.77	36.1°	14.6°	1.00	1.00
80°	8.29	1.44	12.39	38.5°	13.4°	1.00	1.00
90°	8.27	0.00	11.45	43.8°	10.5°	1.00	1.00
110°	7.56	2.58	8.96	57.6°	4.6°	1.00	1.00
120°	6.83	3.41	7.53	68.3°	2.9°	1.00	1.00
135°	5.61	3.97	5.75	91.4°	1.4°	1.00	1.00
150°	4.85	4.20	4.62	118.3°	0.9°	1.00	1.00
165°	4.50	4.35	3.93	147.8°	0.5°	1.00	1.00
180°	4.25	4.25	3.87	180.0°	0.1°	1.00	1.00
166.6° (r)	4.47	4.35	3.90	151.1°	0.4°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.8° (b)	7.25	5.15	15.76	24.5°	21.9°	1.00	0.88
52°	7.99	4.92	15.87	27.1°	23.4°	1.00	0.89
60°	8.52	4.26	15.63	30.2°	24.4°	1.00	0.93
70°	8.89	3.04	15.04	35.1°	23.0°	1.00	0.96
75°	8.98	2.32	14.64	37.8°	21.7°	1.00	0.98
80°	9.03	1.57	14.20	40.7°	20.4°	1.00	1.00
90°	9.02	0.00	13.24	47.0°	15.5°	1.00	1.00
110°	8.49	2.90	10.69	61.9°	6.7°	1.00	1.00
120°	7.84	3.92	9.18	72.4°	3.9°	1.00	1.00
135°	6.66	4.71	7.20	94.2°	2.1°	1.00	1.00
150°	5.91	5.12	5.84	119.6°	1.3°	1.00	1.00
165°	5.54	5.35	4.99	148.3°	0.7°	1.00	1.00
180°	5.24	5.24	4.90	180.0°	0.1°	1.00	1.00
167.5° (r)	5.48	5.35	4.92	153.6°	0.6°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.3° (b)	7.54	5.49	17.88	24.8°	23.6°	1.00	0.73
52°	8.38	5.16	17.87	28.4°	25.2°	1.00	0.75
60°	8.84	4.42	17.44	31.9°	26.6°	1.00	0.79
70°	9.18	3.14	16.57	36.9°	27.4°	1.00	0.87
75°	9.30	2.41	16.04	39.5°	27.8°	1.00	0.92
80°	9.39	1.63	15.59	42.7°	26.2°	1.00	0.95
90°	9.43	0.00	14.66	49.9°	21.1°	1.00	1.00
110°	9.04	3.09	12.27	66.5°	9.0°	1.00	1.00
120°	8.61	4.30	10.78	76.4°	5.2°	1.00	1.00
135°	7.58	5.36	8.68	96.9°	2.9°	1.00	1.00
150°	6.87	5.95	7.12	121.2°	1.9°	1.00	1.00
165°	6.48	6.26	6.13	149.1°	1.0°	1.00	1.00
180°	6.16	6.16	6.01	180.0°	0.2°	1.00	1.00
168.6° (r)	6.40	6.28	6.02	156.4°	0.8°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.4° (b)	7.72	5.70	19.90	25.4°	24.1°	1.00	0.61
52°	8.60	5.29	19.74	29.8°	26.1°	1.00	0.63
60°	9.01	4.50	19.17	33.7°	27.5°	1.00	0.67
70°	9.33	3.19	18.12	39.1°	28.7°	1.00	0.75
75°	9.45	2.45	17.54	41.9°	29.0°	1.00	0.80
80°	9.56	1.66	16.92	44.9°	29.1°	1.00	0.86
90°	9.73	0.00	15.86	52.2°	26.2°	1.00	0.97
110°	9.41	3.22	13.80	70.7°	11.6°	1.00	1.00
120°	9.09	4.55	12.35	80.7°	7.1°	1.00	1.00
135°	8.38	5.93	10.18	99.5°	3.8°	1.00	1.00
150°	7.75	6.71	8.45	122.8°	2.5°	1.00	1.00
165°	7.35	7.10	7.33	150.0°	1.4°	1.00	1.00
180°	7.01	7.01	7.19	180.0°	0.3°	1.00	1.00
169.2° (r)	7.25	7.13	7.19	158.4°	1.1°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.0° (b)	7.81	5.81	21.81	26.0°	25.4°	0.73	0.58
52°	8.72	5.37	21.54	31.0°	27.1°	0.82	0.58
60°	9.11	4.55	20.85	35.3°	28.2°	0.99	0.58
70°	9.41	3.22	19.70	41.2°	29.0°	1.00	0.65
75°	9.55	2.47	19.01	44.2°	29.8°	1.00	0.70
80°	9.68	1.68	18.32	47.3°	30.3°	1.00	0.76
90°	9.93	0.00	16.88	53.9°	30.7°	1.00	0.92
110°	9.73	3.33	15.26	74.0°	14.8°	1.00	1.00
120°	9.44	4.72	13.92	84.5°	9.4°	1.00	1.00
135°	8.95	6.33	11.74	102.6°	5.1°	1.00	1.00
150°	8.50	7.36	9.84	124.5°	3.3°	1.00	1.00
165°	8.16	7.88	8.59	150.8°	1.8°	1.00	1.00
180°	7.81	7.81	8.42	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
42.1° (b)	8.05	5.97	25.41	27.7°	24.9°	0.49	0.58
52°	8.94	5.51	25.06	33.4°	26.0°	0.50	0.58
60°	9.27	4.63	24.36	38.6°	26.1°	0.53	0.58
70°	9.53	3.26	23.16	45.4°	27.1°	0.61	0.58
75°	9.66	2.50	22.12	48.1°	30.1°	0.80	0.58
80°	9.80	1.70	21.26	51.5°	30.9°	1.00	0.59
90°	10.13	0.00	19.50	58.7°	32.5°	1.00	0.74
110°	10.44	3.57	17.52	78.2°	24.6°	1.00	1.00
120°	10.12	5.06	16.86	90.0°	15.9°	1.00	1.00
135°	9.69	6.85	14.91	108.3°	9.6°	1.00	1.00
150°	9.44	8.18	12.96	128.8°	5.5°	1.00	1.00
165°	9.25	8.94	11.57	153.1°	2.9°	1.00	1.00
180°	9.03	9.03	11.26	180.0°	0.7°	1.00	1.00
174.4° (r)	9.11	9.07	11.23	169.9°	1.5°	1.00	1.00

Medium Draft Keel, Asymmetric Spinaker on CL



TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	4.33	2.16	9.13	35.5°	9.5°	1.00	0.95
70°	5.31	1.82	9.39	37.6°	11.1°	1.00	0.96
75°	5.70	1.47	9.38	38.8°	11.6°	1.00	0.96
80°	6.01	1.04	9.28	40.2°	11.9°	1.00	0.96
90°	6.40	0.00	8.83	43.6°	11.9°	1.00	0.97
110°	6.46	2.21	7.21	53.1°	10.0°	1.00	1.00
120°	6.27	3.14	6.21	59.5°	7.9°	1.00	1.00
135°	5.57	3.94	4.55	75.3°	4.7°	1.00	1.00
150°	4.57	3.95	3.23	105.1°	2.8°	1.00	1.00
165°	3.40	3.29	3.05	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	4.03	3.83	87.4°	3.6°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	5.60	2.80	11.96	35.5°	13.8°	1.00	0.95
70°	6.74	2.30	12.13	37.9°	16.4°	1.00	0.96
75°	7.16	1.85	12.03	39.4°	17.2°	1.00	0.96
80°	7.48	1.30	11.82	41.0°	17.7°	1.00	0.96
90°	7.87	0.00	11.16	45.1°	17.2°	1.00	0.97
110°	7.97	2.73	9.15	55.9°	13.7°	1.00	1.00
120°	7.74	3.87	7.91	63.0°	11.4°	1.00	1.00
135°	6.98	4.94	5.95	79.4°	6.5°	1.00	1.00
150°	5.89	5.10	4.36	107.6°	3.3°	1.00	1.00
165°	4.51	4.35	4.09	148.5°	2.5°	1.00	1.00
180°	4.27	4.27	3.98	180.0°	2.1°	1.00	1.00
145.6° (r)	6.22	5.13	4.74	97.9°	4.0°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.63	3.32	14.42	35.2°	21.1°	1.00	0.94
70°	7.60	2.60	14.23	38.7°	22.6°	0.96	0.90
75°	7.94	2.06	14.00	40.8°	22.5°	0.95	0.88
80°	8.22	1.43	13.68	43.0°	22.5°	0.95	0.88
90°	8.65	0.00	12.85	47.7°	22.5°	0.97	0.92
110°	8.98	3.07	10.71	59.5°	18.4°	1.00	1.00
120°	8.81	4.40	9.43	67.4°	14.3°	1.00	1.00
135°	8.17	5.78	7.31	83.6°	8.5°	1.00	1.00
150°	7.03	6.09	5.55	110.8°	4.0°	1.00	1.00
165°	5.54	5.35	5.19	149.0°	2.9°	1.00	1.00
180°	5.28	5.28	5.04	180.0°	2.1°	1.00	1.00
147.4° (r)	7.25	6.11	5.78	105.1°	4.5°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.04	3.52	16.41	36.7°	22.6°	0.92	0.85
70°	7.95	2.72	16.12	41.2°	22.7°	0.89	0.78
75°	8.27	2.14	15.80	43.6°	22.8°	0.89	0.78
80°	8.54	1.48	15.44	46.3°	22.4°	0.90	0.79
90°	8.94	0.00	14.44	51.8°	22.6°	0.92	0.80
110°	9.42	3.22	11.95	64.3°	22.3°	0.99	0.94
120°	9.39	4.70	10.78	72.9°	16.9°	1.00	1.00
135°	8.97	6.35	8.67	88.9°	10.5°	1.00	1.00
150°	8.03	6.95	6.80	114.0°	4.8°	1.00	1.00
165°	6.48	6.26	6.37	149.8°	3.3°	1.00	1.00
180°	6.20	6.20	6.17	180.0°	2.2°	1.00	1.00
148.4° (r)	8.18	6.97	6.94	110.6°	5.2°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.26	3.63	18.28	38.2°	23.2°	0.85	0.78
70°	8.13	2.78	17.88	43.4°	23.1°	0.85	0.70
75°	8.46	2.19	17.53	46.2°	23.0°	0.85	0.71
80°	8.74	1.52	17.09	49.0°	22.9°	0.85	0.73
90°	9.15	0.00	16.01	55.2°	22.6°	0.85	0.79
110°	9.65	3.30	13.37	69.3°	22.3°	0.95	0.88
120°	9.85	4.93	11.92	77.3°	21.8°	1.00	1.00
135°	9.47	6.70	10.09	94.6°	11.7°	1.00	1.00
150°	8.75	7.58	8.18	117.9°	5.7°	1.00	1.00
165°	7.34	7.09	7.61	150.6°	3.8°	1.00	1.00
180°	7.05	7.05	7.39	180.0°	2.3°	1.00	1.00
149.6° (r)	8.79	7.58	8.22	117.1°	5.8°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	-0.01	-0.01	15.10	57.5°	25.0°	0.85	0.62
70°	-0.01	0.00	14.89	68.2°	25.0°	0.85	0.62
75°	-0.01	0.00	14.81	73.6°	25.0°	0.85	0.62
80°	-0.01	0.00	14.75	79.0°	25.0°	0.85	0.62
90°	9.22	0.00	17.61	58.4°	22.7°	0.85	0.64
110°	9.85	3.37	14.84	73.3°	22.4°	0.91	0.84
120°	10.18	5.09	13.36	81.7°	22.2°	0.98	0.94
135°	9.93	7.02	11.57	99.0°	13.1°	1.00	1.00
150°	9.20	7.97	9.73	122.1°	6.6°	1.00	1.00
165°	8.14	7.86	8.92	151.4°	4.4°	1.00	1.00
180°	7.85	7.85	8.65	180.0°	2.4°	1.00	1.00
151.6° (r)	9.07	7.98	9.59	125.1°	6.2°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	-0.01	-0.01	17.55	55.1°	34.2°	0.85	0.62
70°	-0.01	0.00	17.06	66.3°	34.2°	0.85	0.62
75°	-0.01	0.00	16.87	72.1°	34.2°	0.85	0.62
80°	-0.01	0.00	16.73	78.0°	34.2°	0.85	0.62
90°	-0.01	0.00	16.62	90.0°	34.2°	0.85	0.62
110°	10.15	3.47	17.92	79.7°	22.6°	0.85	0.72
120°	10.72	5.36	16.36	88.2°	22.2°	0.87	0.94
135°	11.04	7.81	14.42	104.4°	17.4°	1.00	1.00
150°	9.88	8.56	13.00	128.2°	9.5°	1.00	1.00
165°	9.22	8.91	11.97	153.6°	6.2°	1.00	1.00
180°	9.06	9.06	11.57	180.0°	2.6°	1.00	1.00
177.3° (r)	9.07	9.06	11.58	175.2°	3.2°	1.00	1.00