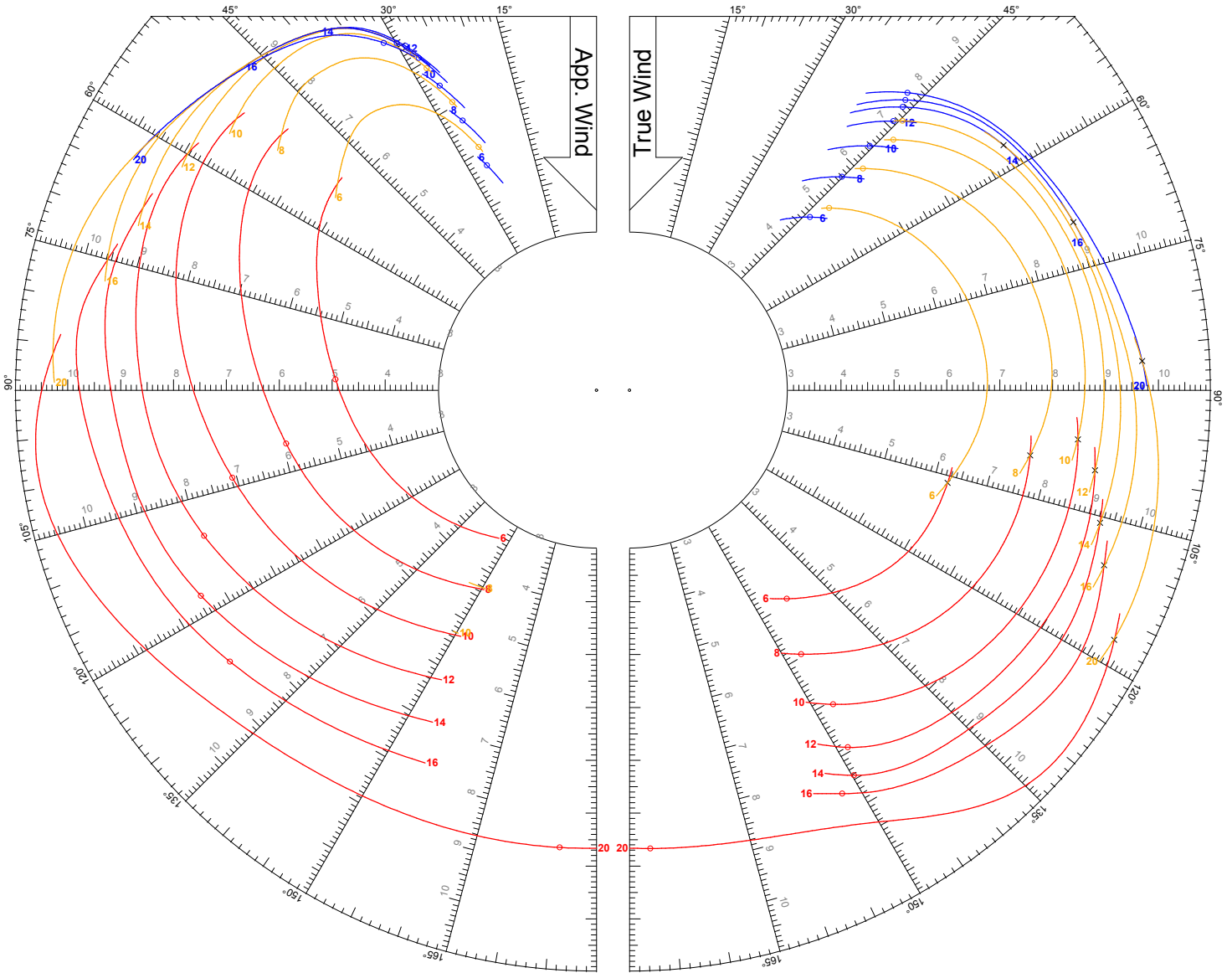




World Leader in Rating Technology



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

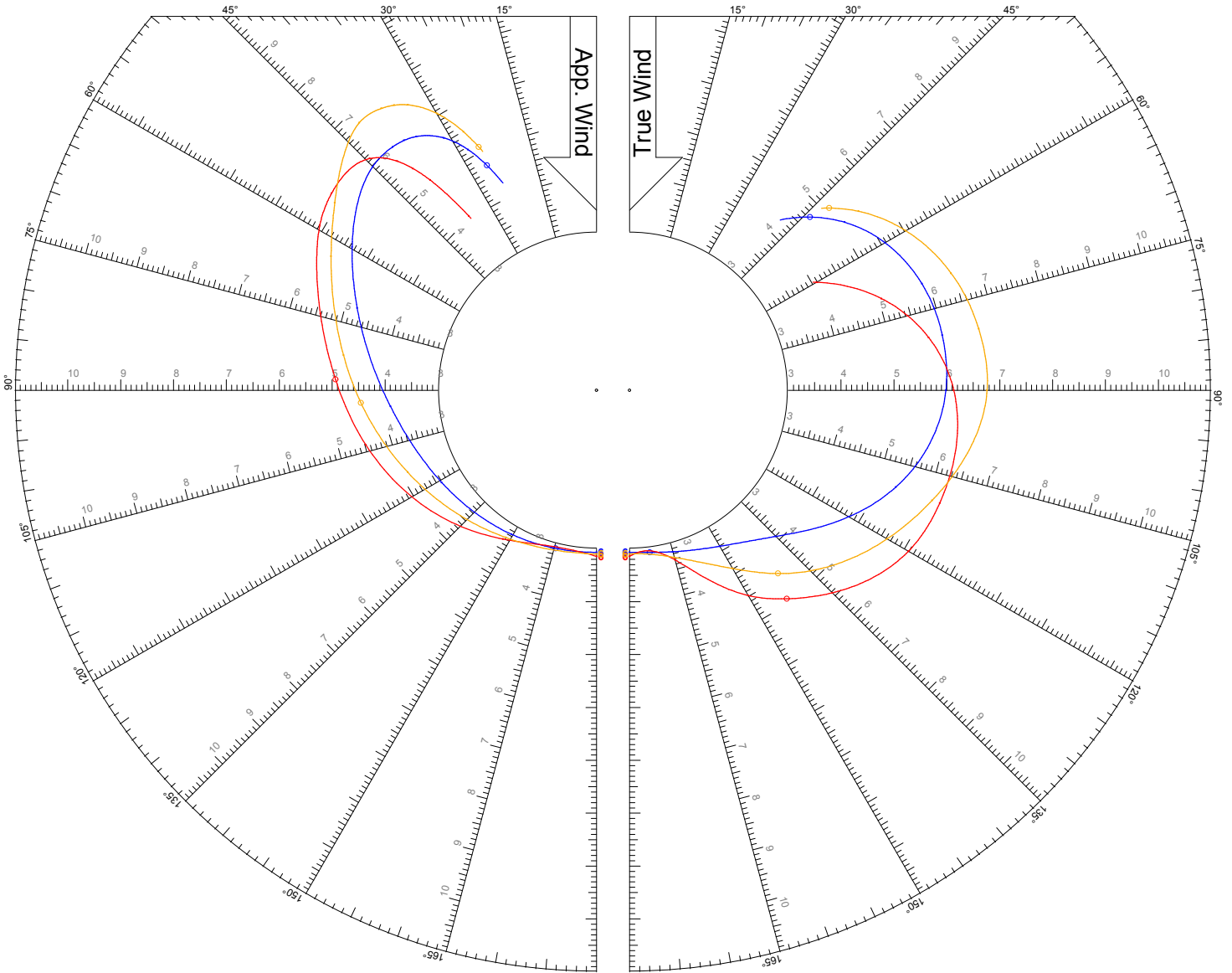
Jib

Asymmetric Spinnaker on Centerline

Code Zero



World Leader in Rating Technology



TWS: 6 kts

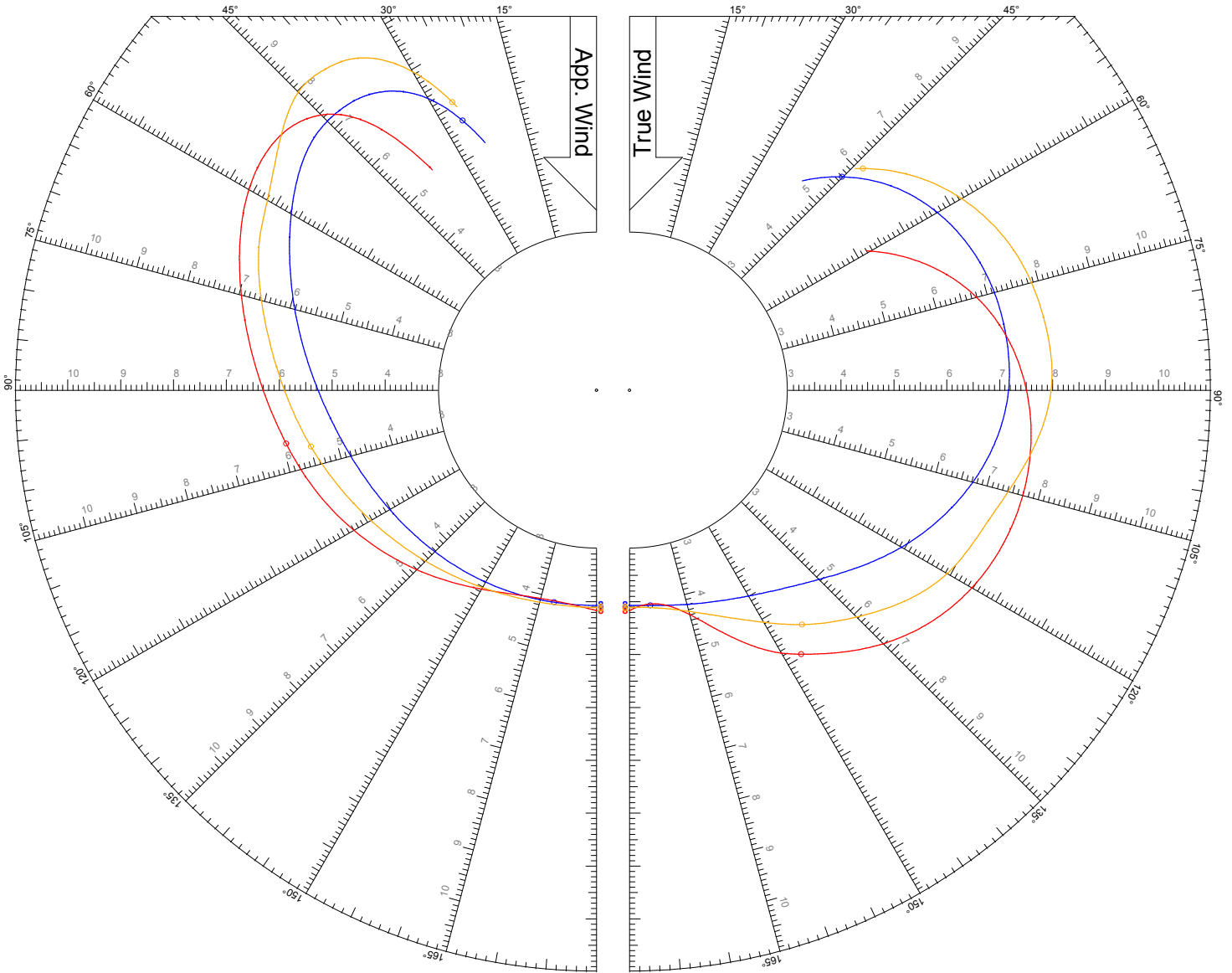
Jib

Asymmetric Spinnaker on Centerline

Code Zero



World Leader in Rating Technology



TWS: 8 kts

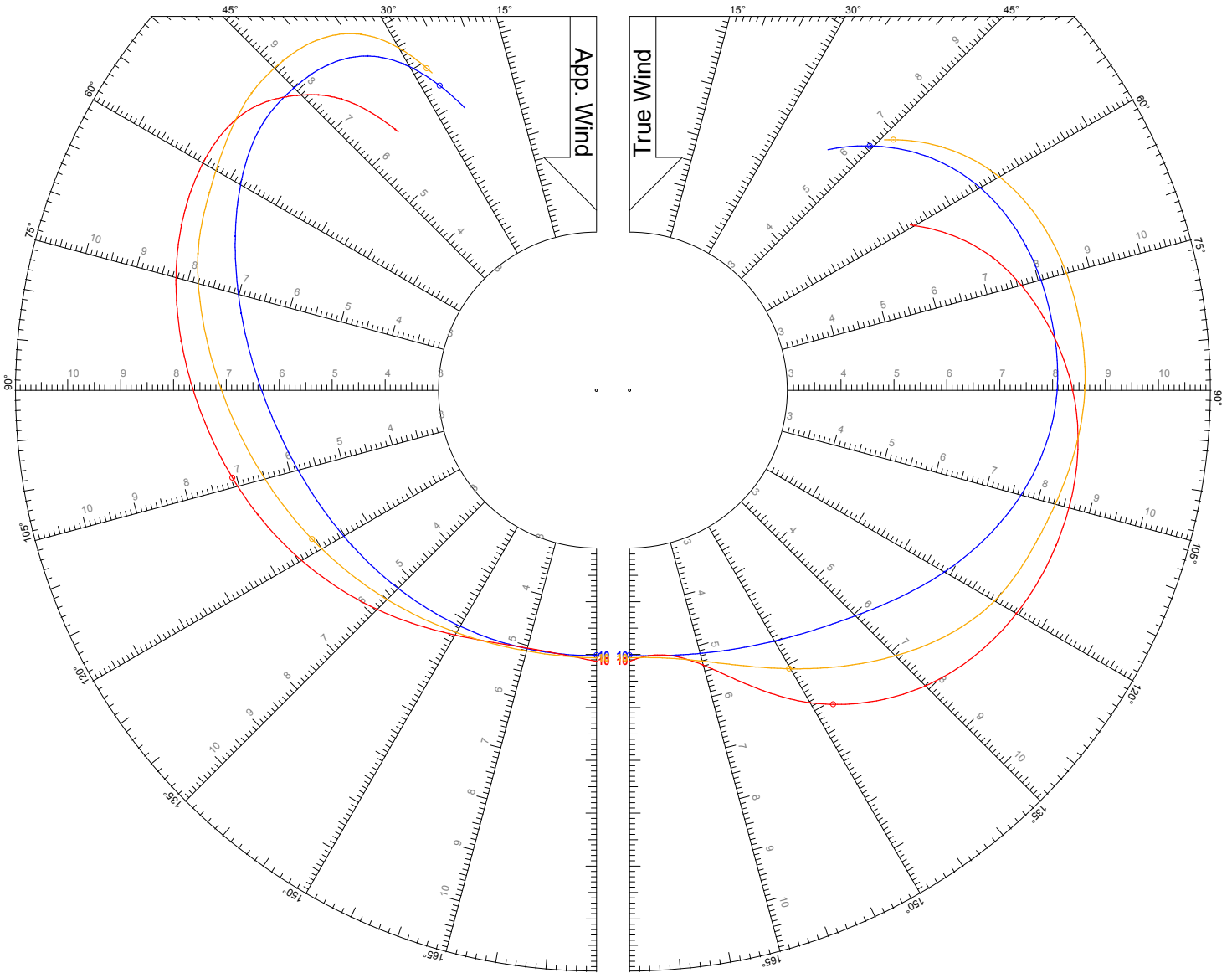
Jib

Asymmetric Spinnaker on Centerline

Code Zero



World Leader in Rating Technology



TWS: 10 kts

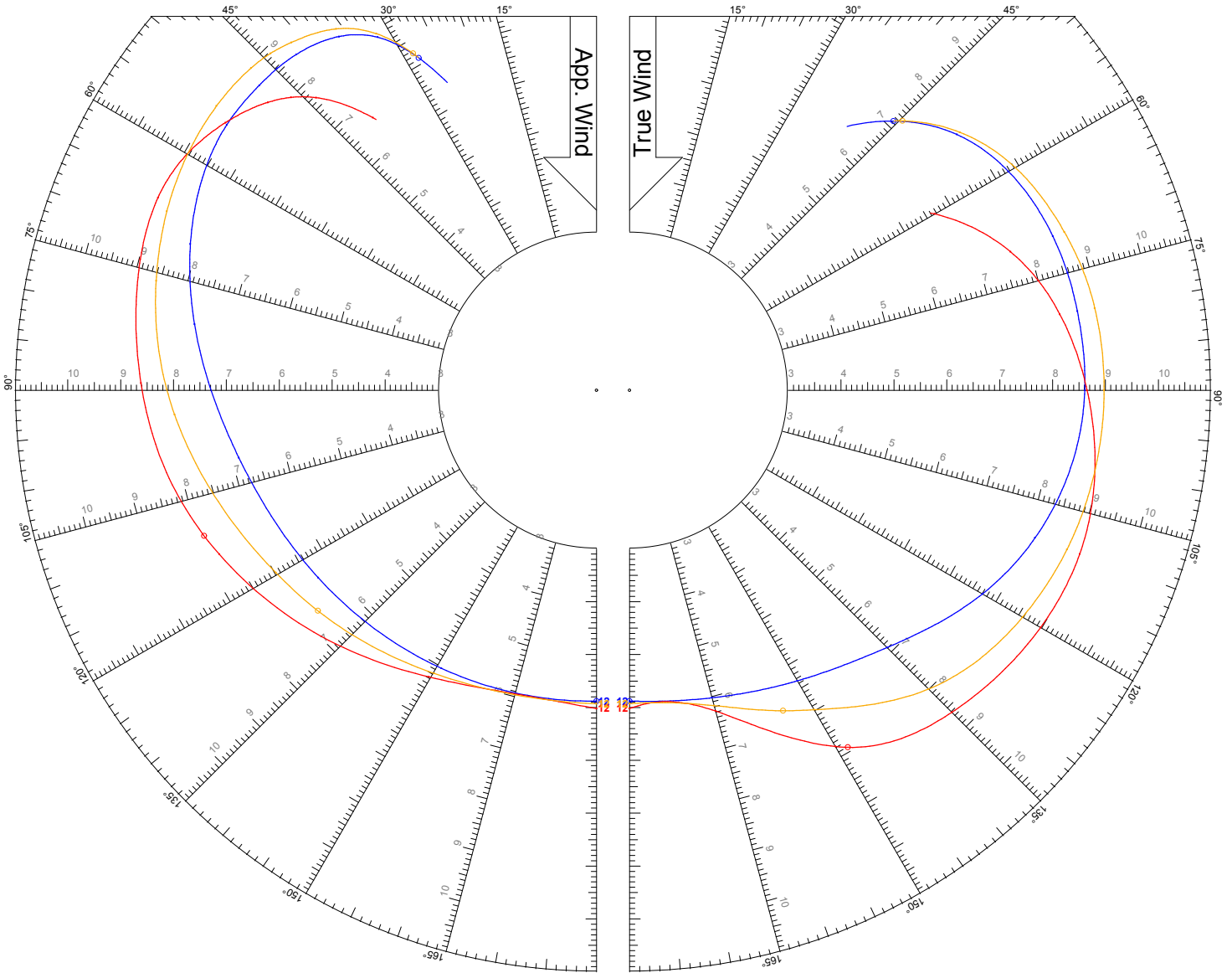
Jib

Asymmetric Spinnaker on Centerline

Code Zero



World Leader in Rating Technology



TWS: 12 kts

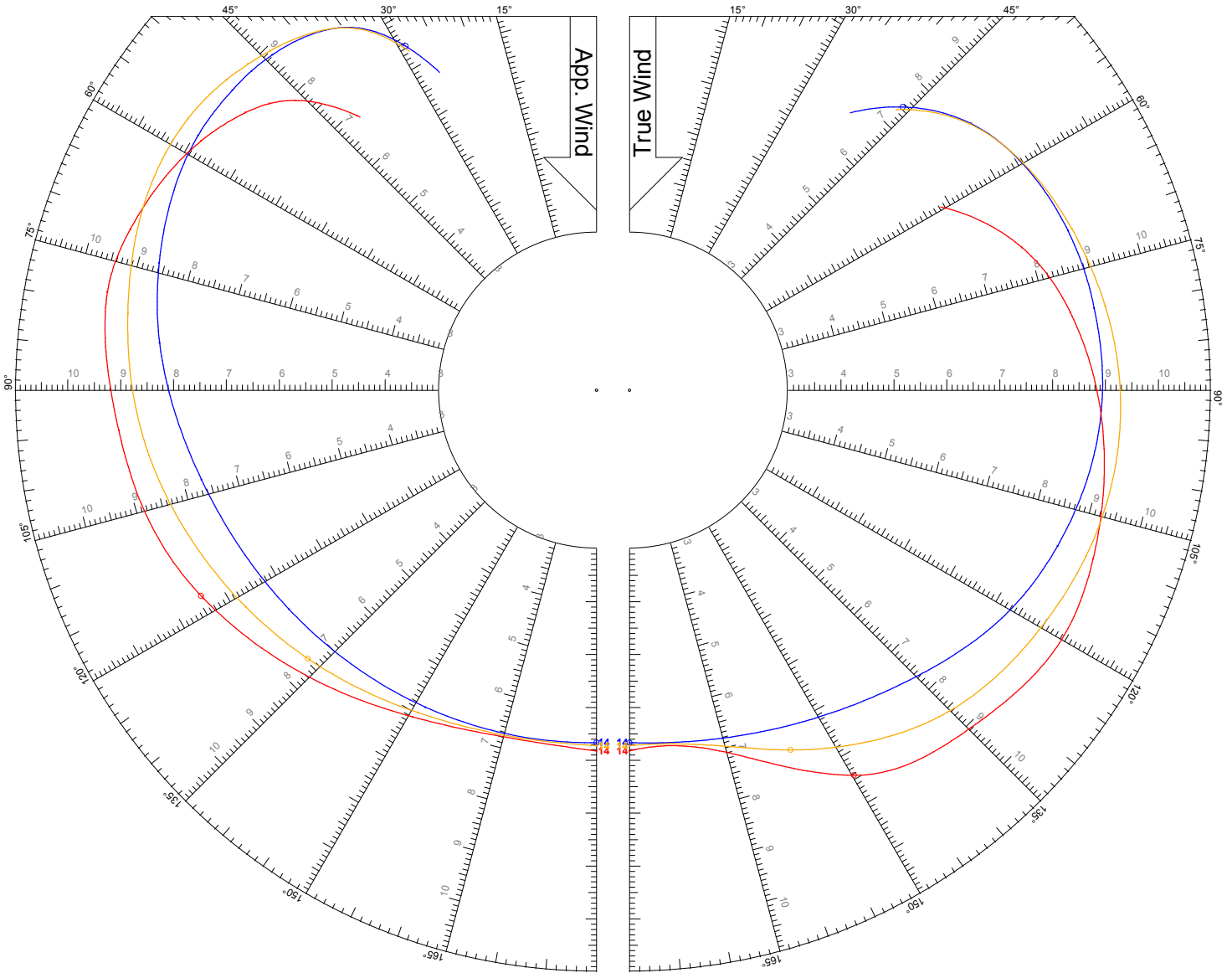
Jib

Asymmetric Spinnaker on Centerline

Code Zero



World Leader in Rating Technology



TWS: 14 kts

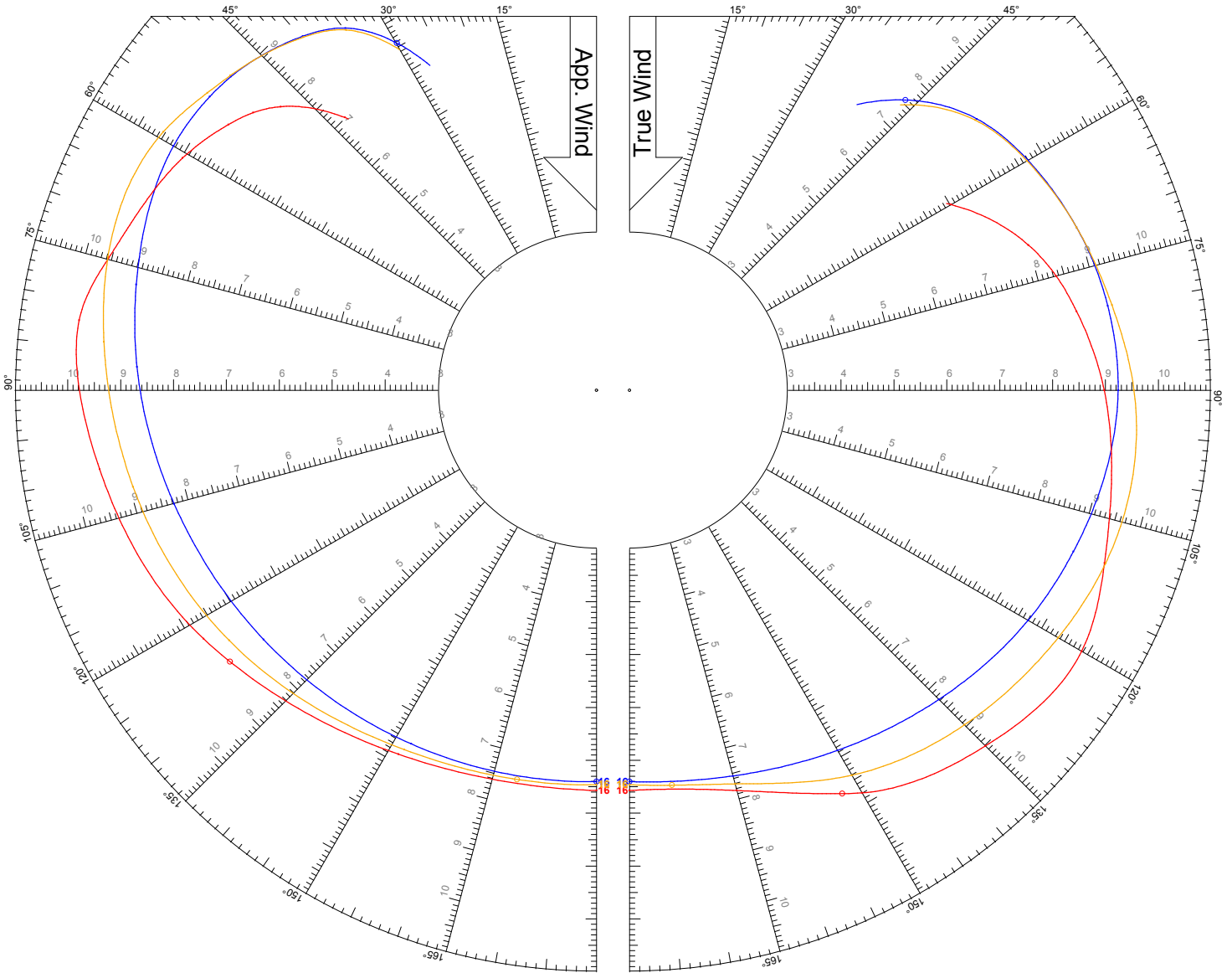
Jib

Asymmetric Spinnaker on Centerline

Code Zero



World Leader in Rating Technology



TWS: 16 kts

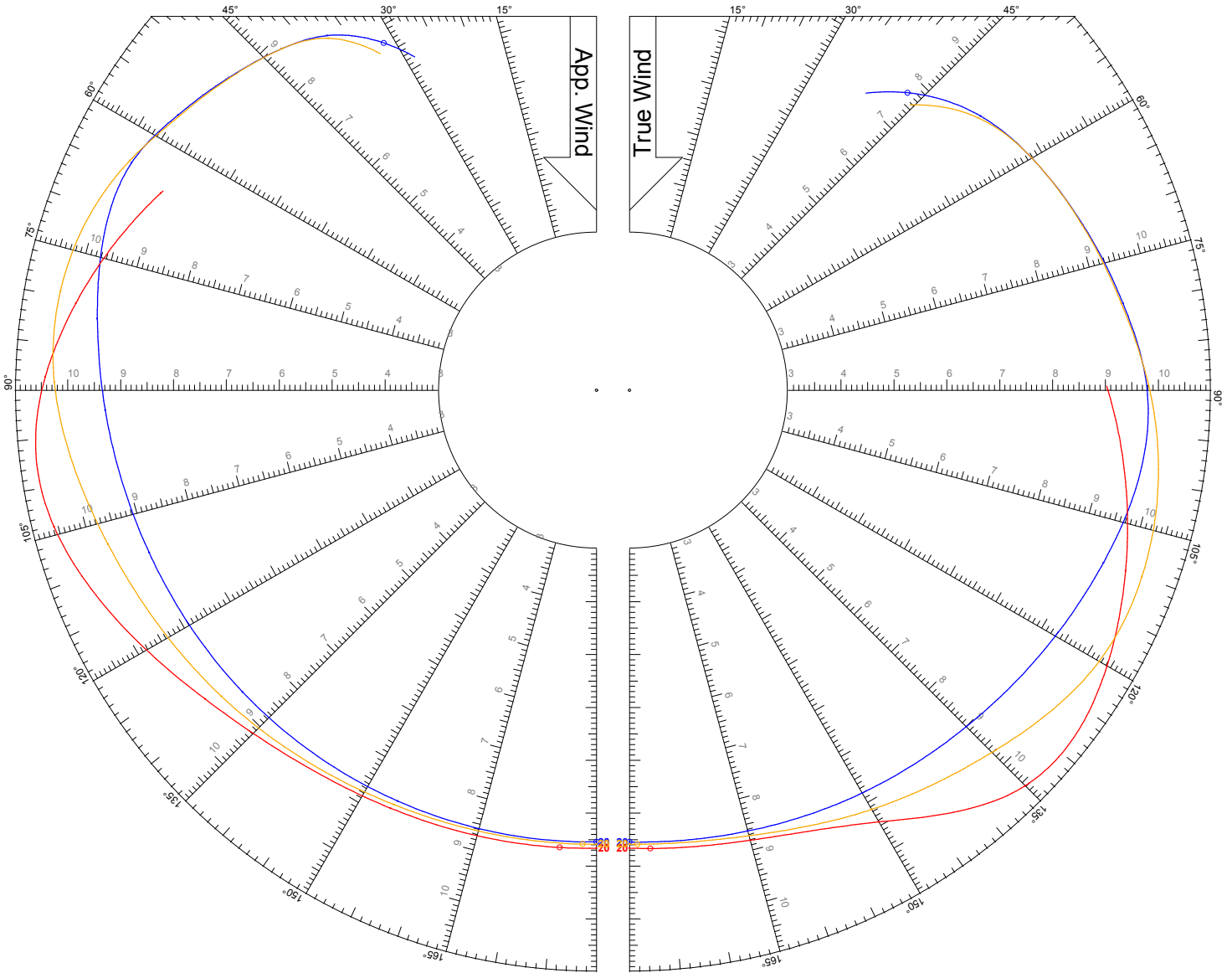
Jib

Asymmetric Spinnaker on Centerline

Code Zero



World Leader in Rating Technology



TWS: 20 kts

Jib

Asymmetric Spinnaker on Centerline

Code Zero

Shallow Draft Keel, Asymmetric Spinnaker on CL



TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	4.08	2.04	8.84	36.2°	9.6°	1.00	0.95
70°	5.07	1.73	9.11	38.2°	11.0°	1.00	0.96
75°	5.45	1.41	9.10	39.5°	11.4°	1.00	0.96
80°	5.74	1.00	9.01	40.9°	11.6°	1.00	0.96
90°	6.13	0.00	8.57	44.3°	11.6°	1.00	0.97
110°	6.24	2.13	7.02	53.8°	10.1°	1.00	1.00
120°	6.09	3.05	6.06	60.1°	8.2°	1.00	1.00
135°	5.42	3.83	4.47	76.2°	5.3°	1.00	1.00
150°	4.48	3.88	3.19	105.4°	3.5°	1.00	1.00
165°	3.32	3.21	3.03	148.5°	3.0°	1.00	1.00
180°	3.14	3.14	2.96	180.0°	2.8°	1.00	1.00
143.0° (r)	4.94	3.94	3.70	89.7°	4.1°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	5.26	2.63	11.59	36.4°	12.9°	1.00	0.95
70°	6.39	2.18	11.77	38.8°	15.3°	1.00	0.95
75°	6.79	1.76	11.68	40.3°	15.8°	1.00	0.96
80°	7.10	1.23	11.48	42.1°	16.1°	1.00	0.96
90°	7.51	0.00	10.85	46.2°	15.8°	1.00	0.97
110°	7.67	2.62	8.92	56.9°	12.9°	1.00	1.00
120°	7.48	3.74	7.72	63.9°	11.3°	1.00	1.00
135°	6.78	4.79	5.83	80.2°	6.9°	1.00	1.00
150°	5.74	4.97	4.31	108.4°	4.0°	1.00	1.00
165°	4.39	4.24	4.07	148.8°	3.3°	1.00	1.00
180°	4.17	4.17	3.96	180.0°	2.9°	1.00	1.00
147.0° (r)	5.95	4.99	4.56	101.7°	4.4°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.23	3.11	14.07	36.5°	17.7°	1.00	0.94
70°	7.32	2.50	13.92	39.3°	22.0°	0.99	0.92
75°	7.67	1.99	13.70	41.3°	22.1°	0.98	0.92
80°	7.95	1.38	13.39	43.6°	22.1°	0.98	0.92
90°	8.38	0.00	12.59	48.3°	22.1°	1.00	0.93
110°	8.58	2.94	10.50	60.9°	16.4°	1.00	1.00
120°	8.45	4.22	9.23	68.7°	13.2°	1.00	1.00
135°	7.91	5.59	7.17	84.5°	8.8°	1.00	1.00
150°	6.83	5.91	5.49	111.8°	4.6°	1.00	1.00
165°	5.38	5.20	5.17	149.4°	3.6°	1.00	1.00
180°	5.13	5.13	5.04	180.0°	2.9°	1.00	1.00
147.0° (r)	7.08	5.94	5.74	105.1°	5.2°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.67	3.33	15.98	37.4°	21.8°	0.92	0.92
70°	7.66	2.62	15.77	41.7°	22.0°	0.90	0.87
75°	8.00	2.07	15.46	44.1°	22.1°	0.88	0.92
80°	8.26	1.44	15.08	46.7°	22.1°	0.88	0.92
90°	8.65	0.00	14.13	52.2°	22.1°	0.91	0.93
110°	9.06	3.10	11.71	65.3°	21.6°	1.00	0.99
120°	8.98	4.49	10.59	74.3°	15.7°	1.00	1.00
135°	8.62	6.09	8.51	90.3°	10.5°	1.00	1.00
150°	7.78	6.74	6.72	114.9°	5.3°	1.00	1.00
165°	6.28	6.07	6.33	150.2°	3.9°	1.00	1.00
180°	6.02	6.02	6.15	180.0°	3.0°	1.00	1.00
148.6° (r)	7.92	6.75	6.84	111.8°	5.7°	1.00	1.00

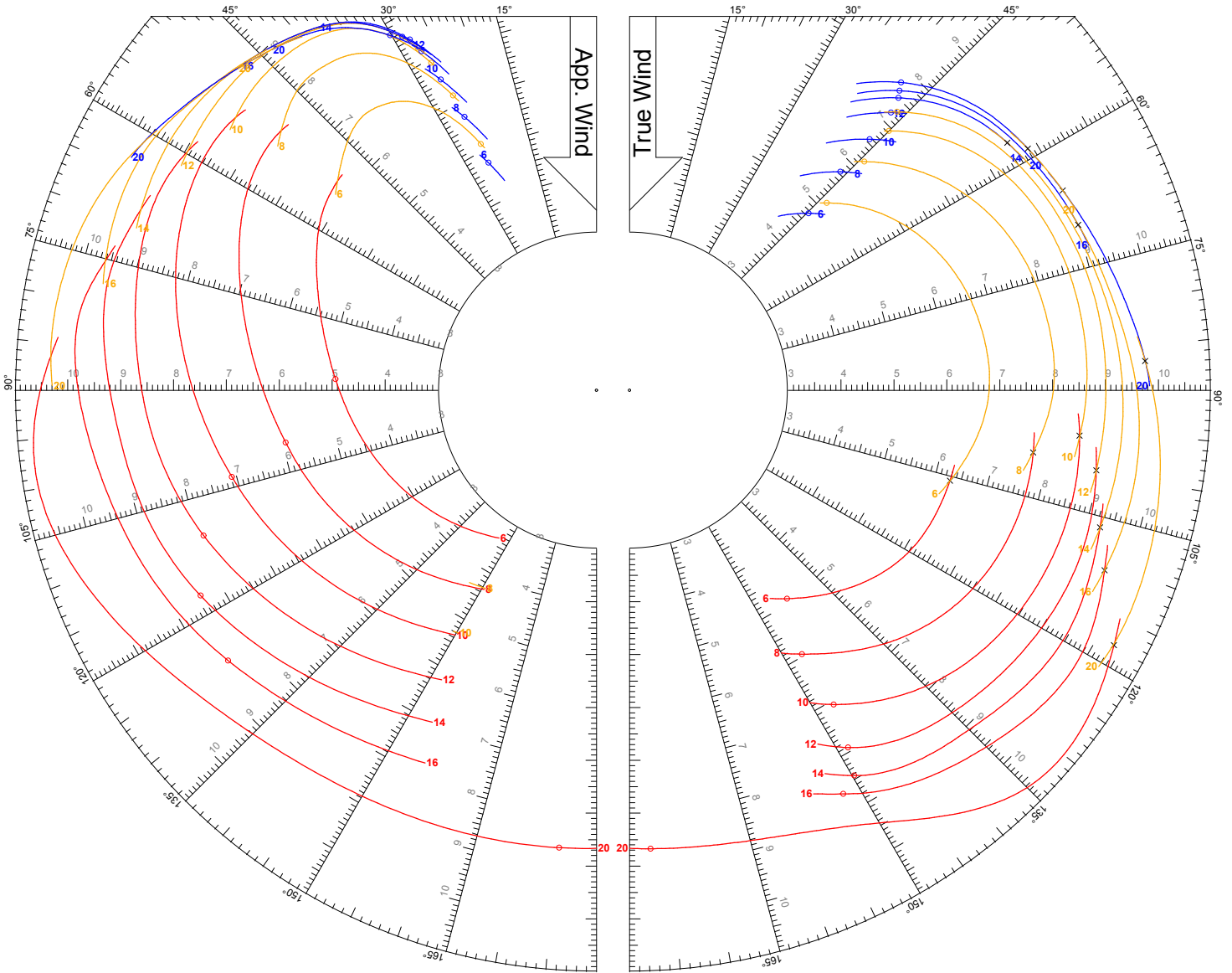
TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.89	3.45	17.85	39.0°	21.8°	0.85	0.85
70°	7.90	2.70	17.51	43.8°	22.0°	0.80	0.92
75°	8.23	2.13	17.17	46.5°	22.1°	0.80	0.92
80°	8.46	1.47	16.72	49.4°	22.1°	0.81	0.93
90°	8.84	0.00	15.67	55.7°	22.1°	0.83	0.93
110°	9.33	3.19	13.11	70.0°	22.1°	0.96	0.94
120°	9.43	4.72	11.95	78.8°	18.2°	1.00	1.00
135°	9.07	6.41	9.95	95.9°	11.5°	1.00	1.00
150°	8.41	7.28	8.13	119.1°	6.1°	1.00	1.00
165°	7.09	6.85	7.59	151.1°	4.4°	1.00	1.00
180°	6.82	6.82	7.38	180.0°	3.0°	1.00	1.00
149.8° (r)	8.43	7.28	8.15	118.7°	6.1°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.02	3.51	19.63	40.4°	21.9°	0.78	0.84
70°	8.03	2.75	19.24	45.7°	22.4°	0.78	0.80
75°	8.35	2.16	18.85	48.7°	22.4°	0.78	0.81
80°	8.59	1.49	18.36	51.9°	22.3°	0.78	0.83
90°	8.98	0.00	17.21	58.6°	22.2°	0.78	0.90
110°	9.56	3.27	14.57	73.8°	22.1°	0.90	0.94
120°	9.87	4.94	13.16	82.3°	21.9°	1.00	0.96
135°	9.52	6.73	11.44	100.2°	12.6°	1.00	1.00
150°	8.79	7.62	9.69	123.4°	7.0°	1.00	1.00
165°	7.84	7.57	8.91	151.9°	5.0°	1.00	1.00
180°	7.57	7.57	8.66	180.0°	3.1°	1.00	1.00
152.2° (r)	8.63	7.63	9.51	127.5°	6.4°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	-0.01	-0.01	18.23	57.2°	26.3°	0.78	0.62
70°	-0.01	0.00	17.95	67.9°	26.3°	0.78	0.62
75°	-0.01	0.00	17.85	73.4°	26.3°	0.78	0.62
80°	-0.01	0.00	17.77	78.9°	26.3°	0.78	0.62
90°	9.05	0.00	20.42	63.7°	22.6°	0.78	0.63
110°	9.98	3.41	17.60	79.6°	22.1°	0.80	0.94
120°	10.43	5.21	16.13	88.6°	22.1°	0.90	0.94
135°	10.58	7.48	14.35	105.4°	16.0°	1.00	1.00
150°	9.43	8.17	12.95	129.2°	9.6°	1.00	1.00
165°	8.81	8.51	12.00	154.2°	6.6°	1.00	1.00
180°	8.66	8.66	11.62	180.0°	3.4°	1.00	1.00
177.4° (r)	8.68	8.67	11.63	175.5°	3.8°	1.00	1.00



World Leader in Rating Technology



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

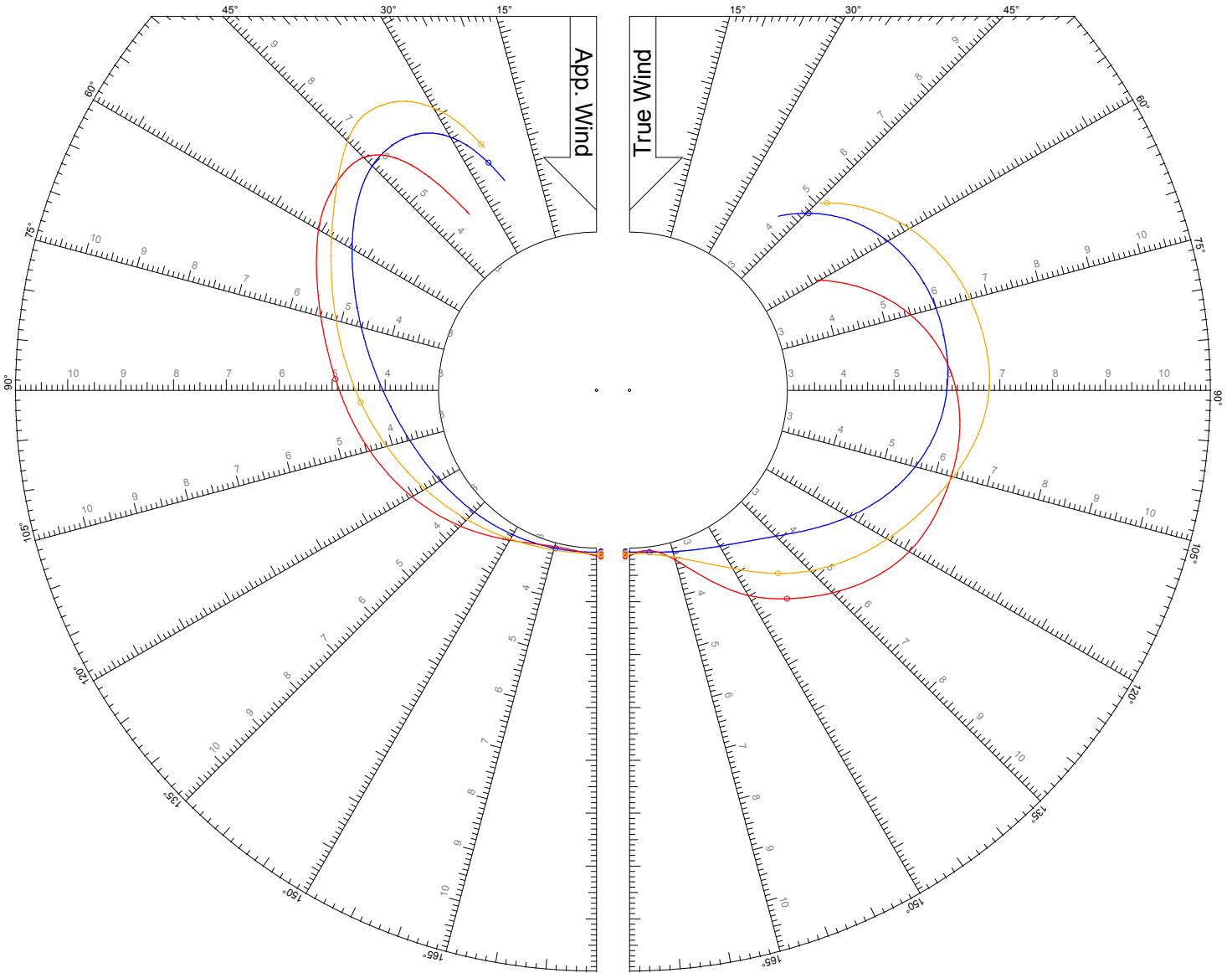
Jib

Asymmetric Spinnaker on Centerline

Code Zero



World Leader in Rating Technology



TWS: 6 kts

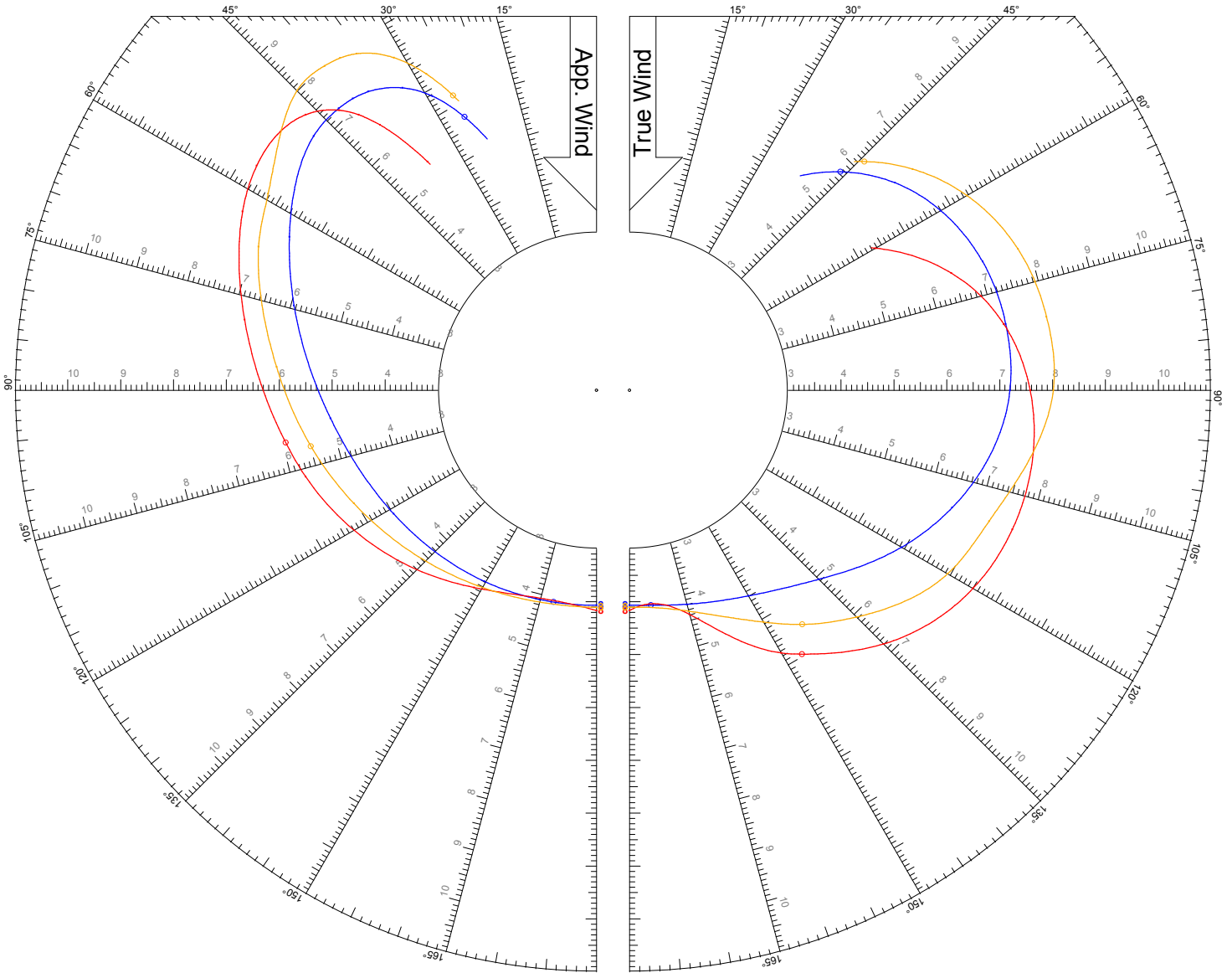
Jib

Asymmetric Spinnaker on Centerline

Code Zero



World Leader in Rating Technology



TWS: 8 kts

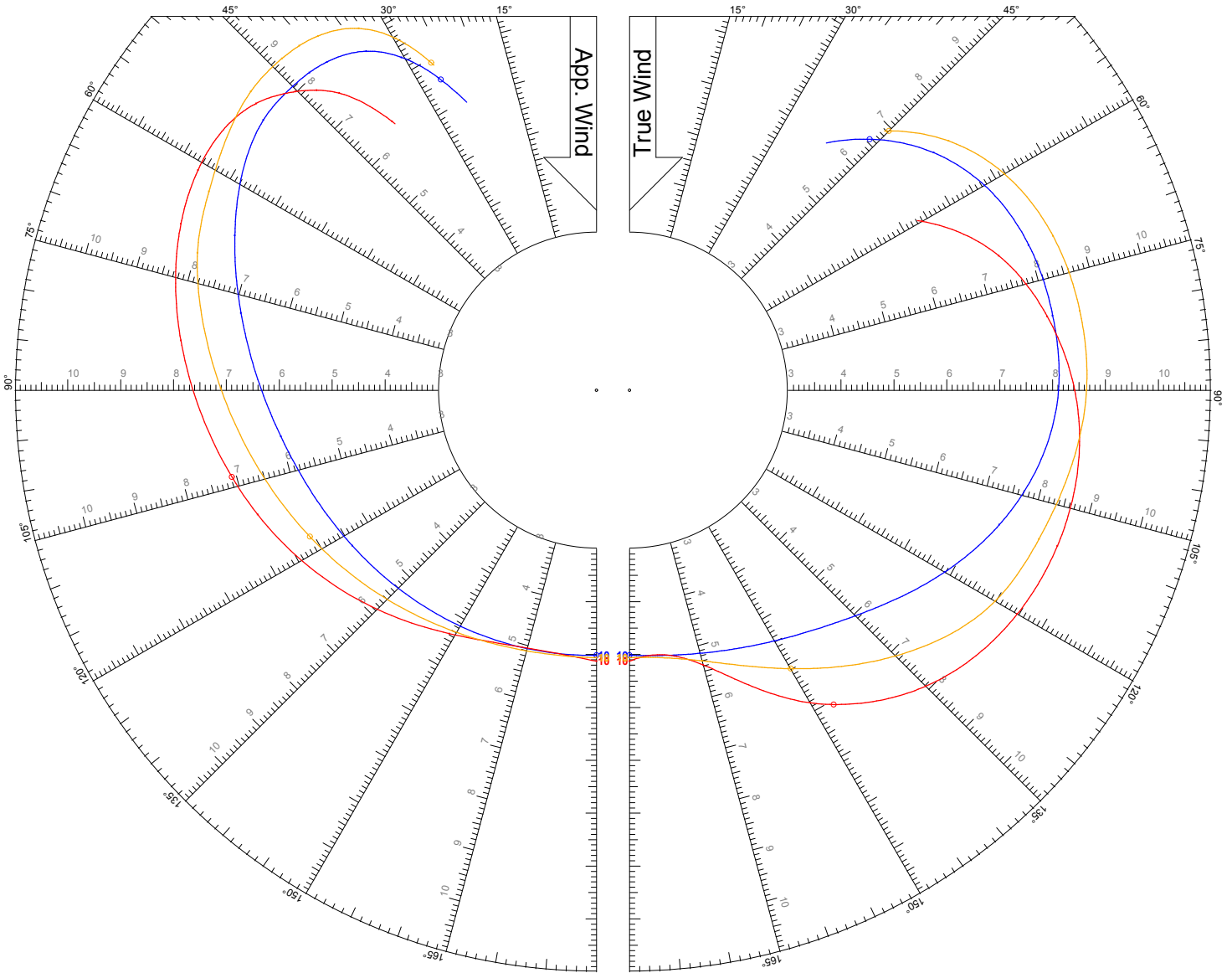
Jib

Asymmetric Spinnaker on Centerline

Code Zero



World Leader in Rating Technology



TWS: 10 kts

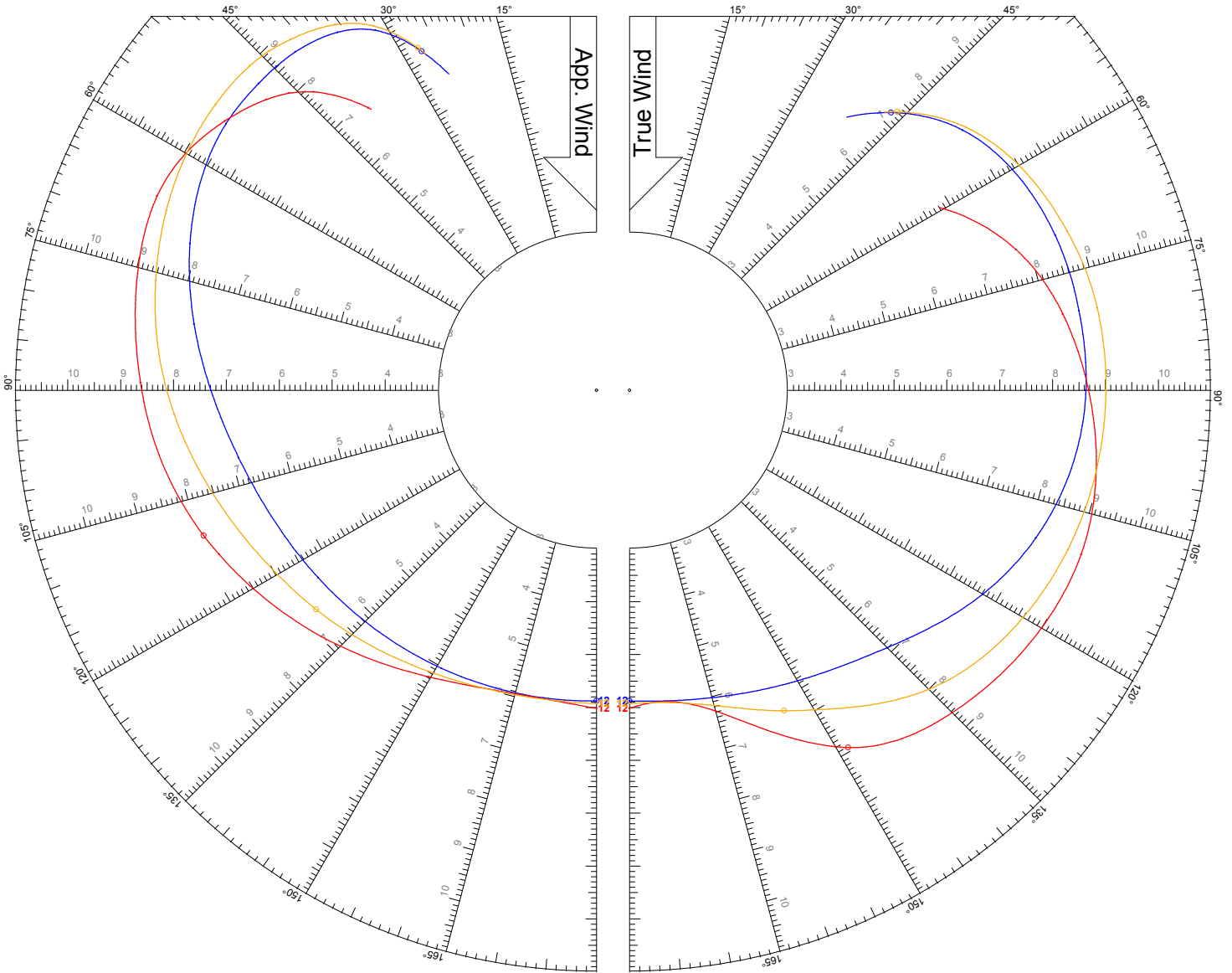
Jib

Asymmetric Spinnaker on Centerline

Code Zero



World Leader in Rating Technology



TWS: 12 kts

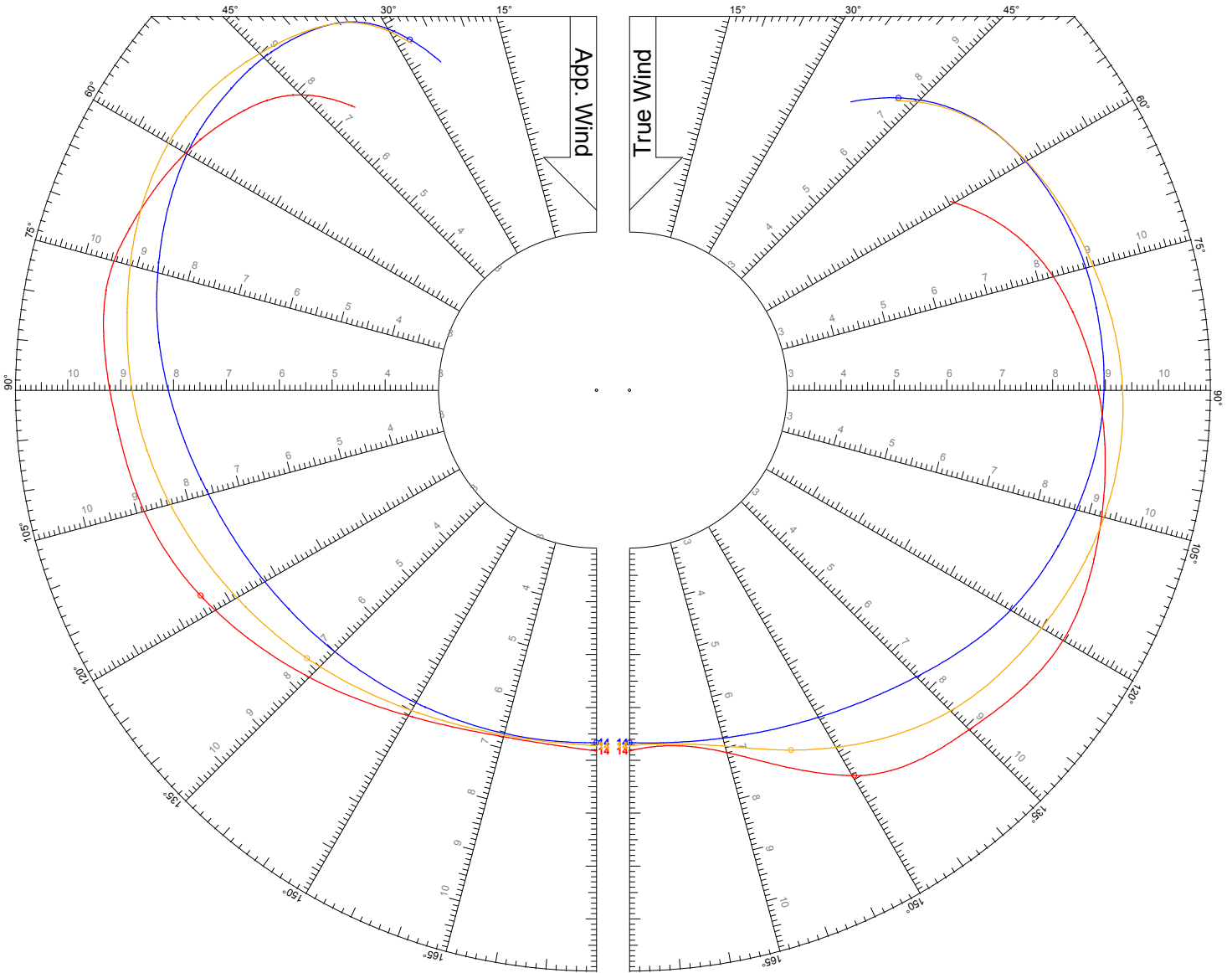
Jib

Asymmetric Spinnaker on Centerline

Code Zero



World Leader in Rating Technology



TWS: 14 kts

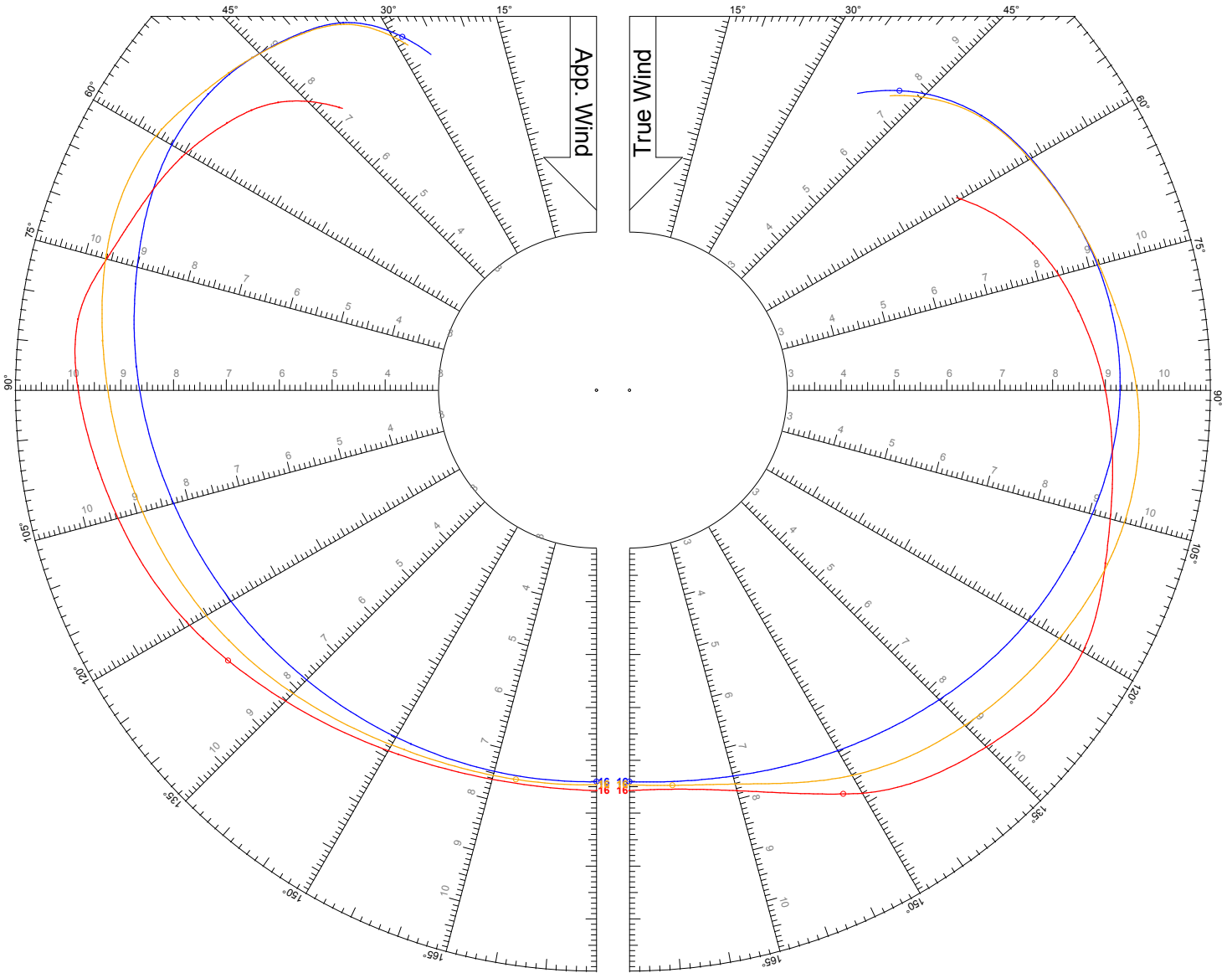
Jib

Asymmetric Spinnaker on Centerline

Code Zero



World Leader in Rating Technology



TWS: 16 kts

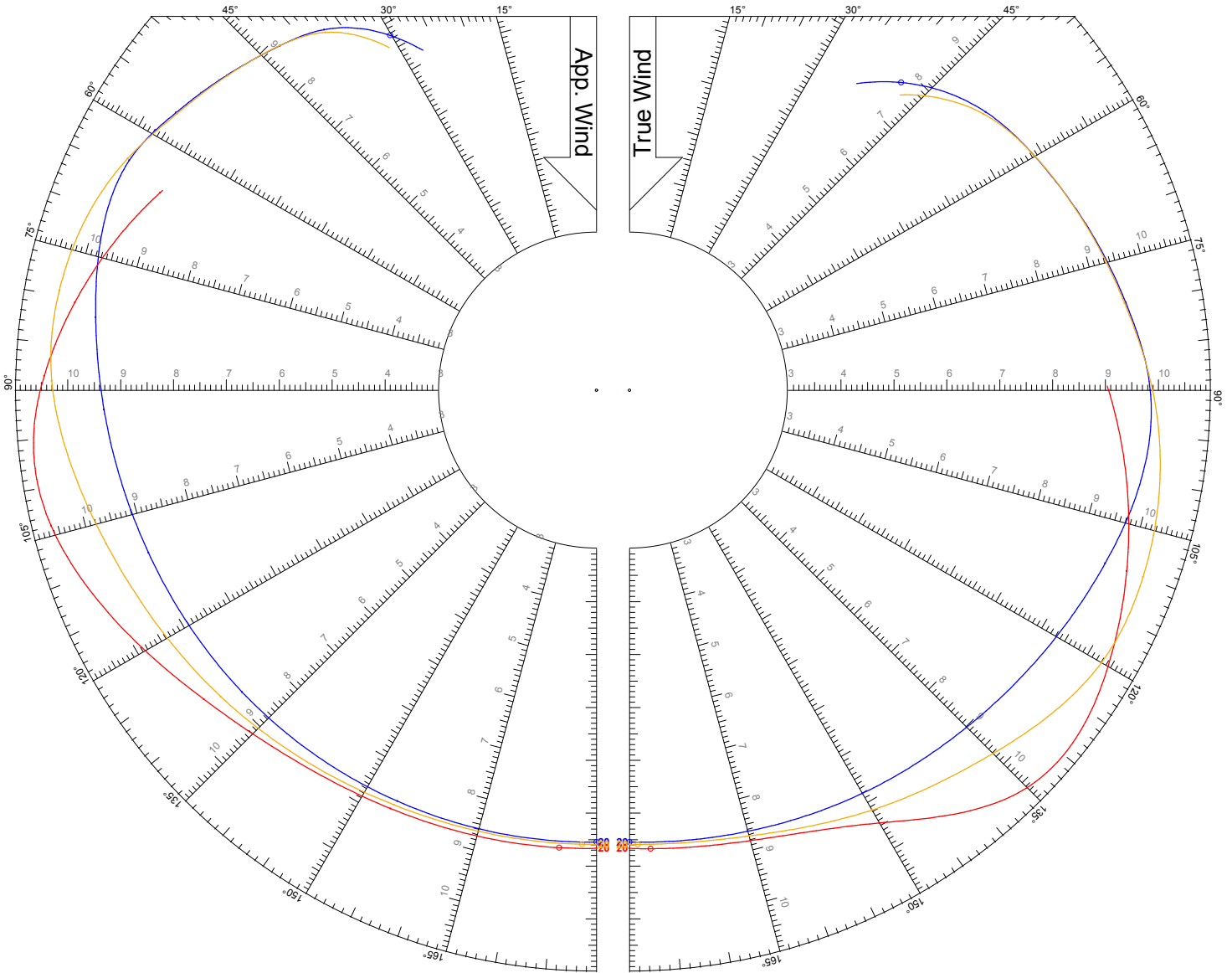
Jib

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
46.5° (b)	5.15	3.54	10.25	25.1°	5.9°	1.00	0.94
52°	5.61	3.45	10.44	26.9°	6.5°	1.00	0.95
60°	6.12	3.06	10.49	29.7°	6.9°	1.00	0.96
70°	6.53	2.23	10.27	33.3°	6.9°	1.00	0.97
75°	6.67	1.73	10.06	35.2°	6.6°	1.00	0.98
80°	6.75	1.17	9.78	37.2°	6.3°	1.00	1.00
90°	6.80	0.00	9.07	41.4°	5.0°	1.00	1.00
110°	6.27	2.14	7.04	53.2°	10.2°	1.00	1.00
120°	6.10	3.05	6.05	59.1°	8.3°	1.00	1.00
135°	5.42	3.83	4.40	74.5°	5.3°	1.00	1.00
150°	4.48	3.88	3.08	103.4°	3.5°	1.00	1.00
165°	3.32	3.21	2.92	147.9°	3.0°	1.00	1.00
180°	3.14	3.14	2.86	180.0°	2.8°	1.00	1.00
142.9° (r)	4.94	3.94	3.62	87.6°	4.2°	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°	12.2°	1.00	0.94
52°	6.79	4.18	13.31	28.3°	13.3°	1.00	0.95
60°	7.37	3.68	13.31	31.4°	14.0°	1.00	0.96
70°	7.82	2.67	12.96	35.5°	13.7°	1.00	0.98
75°	7.94	2.05	12.64	37.7°	13.2°	1.00	1.00
80°	8.01	1.39	12.26	40.0°	12.1°	1.00	1.00
90°	8.01	0.00	11.32	45.0°	9.2°	1.00	1.00
110°	7.70	2.63	9.01	56.5°	13.0°	1.00	1.00
120°	7.50	3.75	7.76	63.2°	11.4°	1.00	1.00
135°	6.79	4.80	5.77	78.7°	7.0°	1.00	1.00
150°	5.74	4.97	4.17	106.6°	4.0°	1.00	1.00
165°	4.39	4.24	3.93	148.2°	3.3°	1.00	1.00
180°	4.16	4.16	3.84	180.0°	2.9°	1.00	1.00
146.9° (r)	5.96	4.99	4.44	99.6°	4.4°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
45.0° (b)	6.94	4.90	15.69	26.8°	20.1°	1.00	0.92
52°	7.66	4.71	15.90	29.7°	21.8°	1.00	0.92
60°	8.19	4.09	15.78	33.3°	22.8°	1.00	0.94
70°	8.52	2.92	15.20	38.2°	21.3°	1.00	0.96
75°	8.61	2.23	14.79	40.8°	20.1°	1.00	0.98
80°	8.65	1.50	14.31	43.5°	18.4°	1.00	1.00
90°	8.64	0.00	13.22	49.2°	13.1°	1.00	1.00
110°	8.61	2.94	10.74	61.1°	16.6°	1.00	1.00
120°	8.47	4.23	9.33	68.2°	13.3°	1.00	1.00
135°	7.92	5.60	7.12	83.2°	9.0°	1.00	1.00
150°	6.83	5.91	5.33	110.1°	4.7°	1.00	1.00
165°	5.38	5.20	5.00	148.8°	3.6°	1.00	1.00
180°	5.13	5.13	4.87	180.0°	2.9°	1.00	1.00
147.0° (r)	7.09	5.94	5.60	103.4°	5.3°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.9° (b)	7.30	5.26	17.99	27.5°	22.9°	1.00	0.78
52°	8.08	4.97	18.13	31.4°	24.1°	1.00	0.77
60°	8.50	4.25	17.84	35.6°	25.5°	1.00	0.80
70°	8.81	3.01	17.14	41.1°	26.4°	1.00	0.88
75°	8.92	2.31	16.70	44.0°	26.3°	1.00	0.93
80°	8.98	1.56	16.19	46.9°	24.0°	1.00	0.97
90°	9.01	0.00	15.01	53.1°	17.4°	1.00	1.00
110°	9.09	3.11	12.33	66.2°	21.7°	1.00	0.98
120°	9.00	4.50	10.82	73.9°	15.8°	1.00	1.00
135°	8.63	6.10	8.49	89.0°	10.6°	1.00	1.00
150°	7.78	6.74	6.54	113.5°	5.4°	1.00	1.00
165°	6.28	6.07	6.15	149.7°	4.0°	1.00	1.00
180°	6.02	6.02	5.98	180.0°	3.0°	1.00	1.00
148.6° (r)	7.92	6.76	6.68	110.3°	5.8°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.6° (b)	7.51	5.53	20.18	28.0°	22.7°	1.00	0.87
52°	8.31	5.12	20.21	33.1°	25.1°	1.00	0.91
60°	8.66	4.33	19.81	37.7°	26.6°	1.00	0.69
70°	8.96	3.06	19.03	43.8°	27.7°	1.00	0.77
75°	9.08	2.35	18.55	46.8°	28.0°	1.00	0.83
80°	9.19	1.59	18.03	49.9°	28.5°	1.00	0.91
90°	9.33	0.00	16.82	56.3°	23.2°	1.00	1.00
110°	9.35	3.20	13.92	70.9°	22.1°	0.95	0.94
120°	9.47	4.73	12.37	78.5°	18.7°	1.00	1.00
135°	9.08	6.42	9.93	94.7°	11.6°	1.00	1.00
150°	8.42	7.29	7.92	117.9°	6.1°	1.00	1.00
165°	7.09	6.85	7.38	150.6°	4.5°	1.00	1.00
180°	6.82	6.82	7.18	180.0°	3.0°	1.00	1.00
149.8° (r)	8.44	7.29	7.94	117.4°	6.2°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.0° (b)	7.63	5.66	22.26	28.8°	23.9°	1.00	0.75
52°	8.44	5.20	22.22	34.6°	25.9°	1.00	0.79
60°	8.76	4.38	21.75	39.6°	26.8°	1.00	0.84
70°	9.05	3.10	20.91	46.0°	28.0°	0.93	0.79
75°	9.19	2.38	20.41	49.2°	28.7°	0.97	0.80
80°	9.31	1.62	19.86	52.5°	29.4°	0.98	0.85
90°	9.59	0.00	18.65	59.1°	27.8°	1.00	0.96
110°	9.62	3.29	15.60	74.6°	16.6°	1.00	1.00
120°	9.90	4.95	13.99	82.2°	22.0°	1.00	0.95
135°	9.54	6.75	11.45	98.9°	12.7°	1.00	1.00
150°	8.80	7.62	9.46	122.3°	7.0°	1.00	1.00
165°	7.84	7.57	8.67	151.5°	5.0°	1.00	1.00
180°	7.57	7.57	8.43	180.0°	3.1°	1.00	1.00
152.1° (r)	8.64	7.64	9.29	126.3°	6.5°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.4° (b)	7.76	5.82	26.33	30.2°	21.3°	0.64	0.60
52°	8.55	5.26	26.15	37.1°	22.9°	0.81	0.60
60°	8.85	4.43	25.60	42.6°	27.4°	0.88	0.62
70°	9.18	3.14	24.70	49.5°	29.0°	1.00	0.74
75°	9.36	2.42	24.17	53.0°	29.6°	1.00	0.80
80°	9.53	1.65	23.60	56.6°	29.9°	1.00	0.87
90°	9.89	0.00	22.31	63.7°	30.2°	0.93	0.93
110°	10.33	3.53	19.12	79.5°	22.1°	0.98	0.95
120°	10.45	5.22	17.33	88.5°	22.1°	0.89	0.94
135°	10.63	7.52	14.57	104.0°	16.2°	1.00	1.00
150°	9.45	8.18	12.73	128.2°	9.7°	1.00	1.00
165°	8.82	8.52	11.71	153.8°	6.7°	1.00	1.00
180°	8.67	8.67	11.33	180.0°	3.4°	1.00	1.00
177.4° (r)	8.68	8.67	11.34	175.3°	3.9°	1.00	1.00



TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
45.3° (b)	4.76	3.35	9.89	25.3°	3.9°	1.00	0.97
52°	5.24	3.23	10.05	27.7°	4.1°	1.00	0.99
60°	5.64	2.82	10.03	30.8°	4.2°	1.00	1.00
70°	5.92	2.03	9.72	35.0°	3.9°	1.00	1.00
75°	6.00	1.55	9.47	37.3°	3.7°	1.00	1.00
80°	6.03	1.05	9.17	39.6°	3.5°	1.00	1.00
90°	6.00	0.00	8.45	44.7°	2.9°	1.00	1.00
110°	5.36	1.83	6.51	59.3°	1.7°	1.00	1.00
120°	4.79	2.39	5.47	70.8°	1.1°	1.00	1.00
135°	3.91	2.76	4.25	94.5°	0.5°	1.00	1.00
150°	3.41	2.95	3.48	120.7°	0.3°	1.00	1.00
165°	3.16	3.05	3.03	149.3°	0.2°	1.00	1.00
180°	3.06	3.06	2.90	180.0°	0.0°	1.00	1.00
172.9° (r)	3.09	3.06	2.92	165.5°	0.1°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.0° (b)	5.74	4.13	12.68	25.5°	7.2°	1.00	0.97
52°	6.37	3.92	12.84	28.8°	7.8°	1.00	0.99
60°	6.79	3.40	12.73	32.3°	7.7°	1.00	1.00
70°	7.11	2.43	12.29	37.0°	6.8°	1.00	1.00
75°	7.19	1.86	11.97	39.5°	6.2°	1.00	1.00
80°	7.22	1.25	11.59	42.1°	5.6°	1.00	1.00
90°	7.19	0.00	10.69	47.7°	4.4°	1.00	1.00
110°	6.49	2.22	8.36	63.2°	2.4°	1.00	1.00
120°	5.94	2.97	7.17	74.2°	1.7°	1.00	1.00
135°	5.06	3.58	5.68	96.0°	0.9°	1.00	1.00
150°	4.49	3.89	4.67	121.2°	0.6°	1.00	1.00
165°	4.19	4.05	4.05	149.5°	0.3°	1.00	1.00
180°	4.07	4.07	3.88	180.0°	0.1°	1.00	1.00
174.4° (r)	4.09	4.07	3.90	168.5°	0.2°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.7° (b)	6.57	4.75	15.25	26.0°	12.3°	1.00	0.96
52°	7.30	4.49	15.38	29.5°	13.4°	1.00	1.00
60°	7.75	3.88	15.19	33.3°	13.0°	1.00	1.00
70°	8.03	2.75	14.61	38.6°	11.4°	1.00	1.00
75°	8.10	2.10	14.22	41.4°	10.4°	1.00	1.00
80°	8.13	1.41	13.77	44.4°	9.2°	1.00	1.00
90°	8.11	0.00	12.76	50.5°	6.8°	1.00	1.00
110°	7.44	2.54	10.17	66.6°	3.3°	1.00	1.00
120°	6.88	3.44	8.83	77.6°	2.3°	1.00	1.00
135°	6.03	4.27	7.14	98.3°	1.4°	1.00	1.00
150°	5.48	4.74	5.91	122.4°	0.9°	1.00	1.00
165°	5.15	4.98	5.14	150.0°	0.5°	1.00	1.00
180°	5.01	5.01	4.92	180.0°	0.1°	1.00	1.00
180.0° (r)	5.01	5.01	4.92	180.0°	0.1°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.3° (b)	7.21	5.25	17.58	25.9°	18.6°	1.00	0.95
52°	7.99	4.92	17.61	29.9°	19.6°	1.00	0.97
60°	8.36	4.18	17.23	34.1°	19.5°	1.00	1.00
70°	8.57	2.93	16.52	40.2°	16.6°	1.00	1.00
75°	8.61	2.23	16.09	43.5°	14.9°	1.00	1.00
80°	8.63	1.50	15.62	46.8°	13.2°	1.00	1.00
90°	8.63	0.00	14.56	53.6°	9.7°	1.00	1.00
110°	8.17	2.80	11.91	69.9°	4.2°	1.00	1.00
120°	7.71	3.86	10.49	80.5°	2.9°	1.00	1.00
135°	6.89	4.87	8.63	100.7°	1.9°	1.00	1.00
150°	6.35	5.50	7.21	123.9°	1.3°	1.00	1.00
165°	6.02	5.82	6.31	150.7°	0.7°	1.00	1.00
180°	5.88	5.88	6.05	180.0°	0.2°	1.00	1.00
180.0° (r)	5.88	5.88	6.05	180.0°	0.2°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.6° (b)	7.51	5.53	19.59	26.0°	22.7°	1.00	0.87
52°	8.31	5.12	19.40	30.3°	25.1°	1.00	0.91
60°	8.65	4.32	18.89	34.8°	24.9°	1.00	0.95
70°	8.87	3.03	18.05	41.2°	23.1°	1.00	1.00
75°	8.94	2.31	17.66	44.9°	20.5°	1.00	1.00
80°	8.96	1.56	17.23	48.7°	17.8°	1.00	1.00
90°	8.97	0.00	16.22	56.4°	12.8°	1.00	1.00
110°	8.63	2.95	13.60	73.5°	5.3°	1.00	1.00
120°	8.32	4.16	12.14	83.7°	3.7°	1.00	1.00
135°	7.67	5.42	10.13	102.7°	2.4°	1.00	1.00
150°	7.14	6.19	8.55	125.3°	1.7°	1.00	1.00
165°	6.81	6.58	7.55	151.5°	1.0°	1.00	1.00
180°	6.67	6.67	7.25	180.0°	0.3°	1.00	1.00
180.0° (r)	6.67	6.67	7.25	180.0°	0.3°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.0° (b)	7.63	5.66	21.48	26.5°	23.9°	1.00	0.75
52°	8.44	5.20	21.18	31.5°	25.9°	1.00	0.79
60°	8.76	4.38	20.50	36.1°	26.8°	1.00	0.84
70°	9.05	3.10	19.44	42.2°	27.3°	1.00	0.93
75°	9.16	2.37	19.00	45.9°	25.7°	1.00	0.96
80°	9.23	1.60	18.53	49.8°	23.9°	1.00	1.00
90°	9.28	0.00	17.77	58.5°	16.6°	1.00	1.00
110°	8.95	3.06	15.26	76.7°	7.1°	1.00	1.00
120°	8.71	4.36	13.80	87.0°	4.6°	1.00	1.00
135°	8.28	5.85	11.69	105.0°	3.1°	1.00	1.00
150°	7.87	6.82	9.94	126.7°	2.2°	1.00	1.00
165°	7.55	7.30	8.83	152.2°	1.3°	1.00	1.00
180°	7.40	7.40	8.49	180.0°	0.3°	1.00	1.00
180.0° (r)	7.40	7.40	8.49	180.0°	0.3°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.4° (b)	7.76	5.82	25.17	28.1°	21.3°	0.64	0.60
52°	8.55	5.26	24.82	34.5°	22.9°	0.81	0.60
60°	8.85	4.42	23.81	38.8°	27.6°	1.00	0.65
70°	9.18	3.14	22.49	45.3°	29.0°	1.00	0.74
75°	9.36	2.42	21.78	48.6°	29.6°	1.00	0.80
80°	9.53	1.65	21.06	52.2°	29.9°	1.00	0.87
90°	9.85	0.00	20.03	60.6°	27.2°	1.00	0.98
110°	9.57	3.27	18.49	81.4°	12.1°	1.00	1.00
120°	9.32	4.66	17.13	92.2°	8.1°	1.00	1.00
135°	9.01	6.37	14.97	110.0°	4.9°	1.00	1.00
150°	8.80	7.62	13.05	130.4°	3.3°	1.00	1.00
165°	8.64	8.34	11.75	154.1°	2.0°	1.00	1.00
180°	8.55	8.55	11.33	180.0°	0.6°	1.00	1.00
180.0° (r)	8.55	8.55	11.33	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°	4.16	2.08	8.90	35.9°	9.7°	1.00	0.96
70°	5.13	1.75	9.16	38.0°	11.1°	1.00	0.96
75°	5.50	1.42	9.15	39.2°	11.5°	1.00	0.96
80°	5.80	1.01	9.04	40.7°	11.7°	1.00	0.97
90°	6.18	0.00	8.60	44.1°	11.7°	1.00	0.97
110°	6.27	2.14	7.03	53.6°	10.2°	1.00	1.00
120°	6.10	3.05	6.07	59.9°	8.3°	1.00	1.00
135°	5.42	3.83	4.47	76.2°	5.3°	1.00	1.00
150°	4.48	3.88	3.19	105.5°	3.5°	1.00	1.00
165°	3.32	3.21	3.03	148.6°	3.0°	1.00	1.00
180°	3.14	3.14	2.96	180.0°	2.8°	1.00	1.00
142.9° (r)	4.94	3.94	3.70	89.6°	4.2°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	5.37	2.69	11.67	36.0°	13.0°	1.00	0.95
70°	6.48	2.22	11.83	38.5°	15.4°	1.00	0.96
75°	6.88	1.78	11.74	40.0°	16.0°	1.00	0.96
80°	7.19	1.25	11.54	41.8°	16.3°	1.00	0.96
90°	7.58	0.00	10.89	45.9°	16.0°	1.00	0.98
110°	7.70	2.63	8.94	56.7°	13.0°	1.00	1.00
120°	7.50	3.75	7.73	63.8°	11.4°	1.00	1.00
135°	6.79	4.80	5.83	80.1°	7.0°	1.00	1.00
150°	5.74	4.97	4.32	108.5°	4.0°	1.00	1.00
165°	4.39	4.24	4.07	148.8°	3.3°	1.00	1.00
180°	4.16	4.16	3.97	180.0°	2.9°	1.00	1.00
146.9° (r)	5.96	4.99	4.57	101.5°	4.4°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.39	3.19	14.18	36.1°	18.0°	1.00	0.95
70°	7.43	2.54	14.00	38.9°	22.2°	0.98	0.92
75°	7.76	2.01	13.75	41.0°	22.3°	0.97	0.92
80°	8.02	1.39	13.43	43.3°	22.2°	0.97	0.92
90°	8.42	0.00	12.60	48.1°	22.3°	1.00	0.93
110°	8.61	2.94	10.51	60.8°	16.6°	1.00	1.00
120°	8.47	4.23	9.23	68.6°	13.3°	1.00	1.00
135°	7.92	5.60	7.17	84.4°	9.0°	1.00	1.00
150°	6.83	5.91	5.49	111.8°	4.7°	1.00	1.00
165°	5.38	5.20	5.18	149.5°	3.6°	1.00	1.00
180°	5.13	5.13	5.04	180.0°	2.9°	1.00	1.00
147.0° (r)	7.09	5.94	5.74	105.0°	5.3°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.86	3.43	16.11	36.9°	22.2°	0.92	0.92
70°	7.78	2.66	15.82	41.3°	22.2°	0.87	0.92
75°	8.09	2.09	15.51	43.8°	22.3°	0.87	0.92
80°	8.32	1.44	15.10	46.5°	22.3°	0.88	0.93
90°	8.68	0.00	14.14	52.1°	22.2°	0.90	0.93
110°	9.09	3.11	11.72	65.2°	21.7°	1.00	0.98
120°	9.00	4.50	10.59	74.2°	15.8°	1.00	1.00
135°	8.63	6.10	8.51	90.2°	10.6°	1.00	1.00
150°	7.78	6.74	6.72	114.8°	5.4°	1.00	1.00
165°	6.28	6.07	6.34	150.2°	4.0°	1.00	1.00
180°	6.02	6.02	6.15	180.0°	3.0°	1.00	1.00
148.6° (r)	7.92	6.76	6.84	111.7°	5.8°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.09	3.55	17.96	38.5°	22.3°	0.83	0.90
70°	8.01	2.74	17.57	43.4°	22.2°	0.79	0.92
75°	8.30	2.15	17.20	46.2°	22.2°	0.80	0.92
80°	8.51	1.48	16.74	49.3°	22.2°	0.80	0.93
90°	8.86	0.00	15.67	55.5°	22.2°	0.83	0.93
110°	9.35	3.20	13.11	69.9°	22.1°	0.95	0.94
120°	9.47	4.73	11.91	78.6°	18.7°	1.00	1.00
135°	9.08	6.42	9.94	95.9°	11.6°	1.00	1.00
150°	8.42	7.29	8.13	119.1°	6.1°	1.00	1.00
165°	7.09	6.85	7.59	151.1°	4.5°	1.00	1.00
180°	6.82	6.82	7.38	180.0°	3.0°	1.00	1.00
149.8° (r)	8.44	7.29	8.15	118.6°	6.2°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.23	3.62	19.75	39.9°	22.4°	0.78	0.83
70°	8.12	2.78	19.29	45.4°	22.6°	0.78	0.78
75°	8.40	2.17	18.87	48.5°	22.6°	0.78	0.79
80°	8.62	1.50	18.37	51.7°	22.5°	0.78	0.81
90°	9.00	0.00	17.24	58.5°	22.0°	0.78	0.88
110°	9.58	3.28	14.57	73.7°	22.1°	0.89	0.94
120°	9.90	4.95	13.15	82.2°	22.0°	1.00	0.95
135°	9.54	6.75	11.43	100.0°	12.7°	1.00	1.00
150°	8.80	7.62	9.68	123.3°	7.0°	1.00	1.00
165°	7.84	7.57	8.91	151.9°	5.0°	1.00	1.00
180°	7.57	7.57	8.66	180.0°	3.1°	1.00	1.00
152.1° (r)	8.64	7.64	9.52	127.2°	6.5°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	-0.01	-0.01	18.11	57.0°	27.3°	0.78	0.62
70°	-0.01	0.00	17.81	67.8°	27.3°	0.78	0.62
75°	-0.01	0.00	17.69	73.3°	27.3°	0.78	0.62
80°	-0.01	0.00	17.61	78.8°	27.3°	0.78	0.62
90°	9.06	0.00	20.36	63.6°	23.1°	0.78	0.62
110°	10.01	3.42	17.59	79.5°	22.1°	0.79	0.94
120°	10.45	5.22	16.12	88.5°	22.1°	0.89	0.94
135°	10.63	7.52	14.32	105.2°	16.2°	1.00	1.00
150°	9.45	8.18	12.93	129.2°	9.7°	1.00	1.00
165°	8.82	8.52	11.99	154.2°	6.7°	1.00	1.00
180°	8.67	8.67	11.62	180.0°	3.4°	1.00	1.00
177.4° (r)	8.68	8.67	11.62	175.4°	3.9°	1.00	1.00

Medium Draft Keel, Code Zero



TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
46.5° (b)	5.15	3.54	10.22	25.0°	5.9°	1.00	0.94
52°	5.61	3.45	10.40	26.7°	6.5°	1.00	0.95
60°	6.12	3.06	10.46	29.4°	6.9°	1.00	0.96
70°	6.53	2.23	10.23	33.0°	6.9°	1.00	0.97
75°	6.67	1.73	10.02	34.9°	6.6°	1.00	0.98
80°	6.75	1.17	9.75	36.9°	6.3°	1.00	1.00
90°	6.80	0.00	9.04	41.2°	5.0°	1.00	1.00
110°	6.10	2.09	6.93	54.2°	2.6°	1.00	1.00
120°	5.63	2.81	5.82	63.3°	5.6°	1.00	1.00
135°	4.83	3.41	4.29	82.4°	4.0°	1.00	1.00
150°	3.89	3.37	3.29	113.9°	3.2°	1.00	1.00
165°	3.27	3.16	2.99	148.6°	2.9°	1.00	1.00
180°	3.09	3.09	2.92	180.0°	0.0°	1.00	1.00
141.0° (r)	4.46	3.47	3.80	93.4°	3.5°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
45.8° (b)	6.20	4.33	13.00	25.4°	12.2°	1.00	0.94
52°	6.79	4.18	13.19	27.6°	13.3°	1.00	0.95
60°	7.37	3.68	13.16	30.5°	14.0°	1.00	0.96
70°	7.82	2.67	12.80	34.6°	13.7°	1.00	0.98
75°	7.94	2.05	12.49	36.8°	13.2°	1.00	1.00
80°	8.01	1.39	12.12	39.2°	12.1°	1.00	1.00
90°	8.01	0.00	11.23	44.5°	9.2°	1.00	1.00
110°	7.24	2.48	8.74	59.0°	3.7°	1.00	1.00
120°	6.95	3.47	7.50	67.0°	7.2°	1.00	1.00
135°	6.07	4.29	5.68	86.1°	4.8°	1.00	1.00
150°	5.06	4.39	4.44	115.3°	3.5°	1.00	1.00
165°	4.33	4.18	4.02	148.9°	3.1°	1.00	1.00
180°	4.11	4.11	3.91	180.0°	0.1°	1.00	1.00
143.6° (r)	5.50	4.43	4.86	101.4°	3.9°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
45.0° (b)	6.94	4.90	15.41	25.2°	20.1°	1.00	0.92
52°	7.66	4.71	15.53	27.8°	21.8°	1.00	0.92
60°	8.19	4.09	15.31	31.0°	22.8°	1.00	0.94
70°	8.52	2.92	14.72	36.0°	21.3°	1.00	0.96
75°	8.61	2.23	14.34	38.8°	20.1°	1.00	0.98
80°	8.65	1.50	13.91	41.8°	18.4°	1.00	1.00
90°	8.64	0.00	12.98	48.3°	13.1°	1.00	1.00
110°	8.24	2.82	10.41	62.5°	11.6°	1.00	1.00
120°	7.98	3.99	9.08	71.0°	9.1°	1.00	1.00
135°	7.11	5.03	7.07	90.0°	5.7°	1.00	1.00
150°	6.08	5.27	5.66	117.6°	3.9°	1.00	1.00
165°	5.30	5.12	5.12	149.5°	3.2°	1.00	1.00
180°	5.06	5.06	4.96	180.0°	0.1°	1.00	1.00
149.9° (r)	6.09	5.27	5.66	117.4°	3.9°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.9° (b)	7.30	5.26	17.53	25.5°	22.9°	1.00	0.78
52°	8.08	4.97	17.53	29.0°	24.1°	1.00	0.77
60°	8.50	4.25	17.10	32.6°	25.5°	1.00	0.80
70°	8.81	3.01	16.24	37.7°	26.4°	1.00	0.88
75°	8.92	2.31	15.75	40.5°	26.3°	1.00	0.93
80°	8.98	1.56	15.35	44.0°	24.0°	1.00	0.97
90°	9.01	0.00	14.51	51.6°	17.4°	1.00	1.00
110°	8.82	3.02	11.99	66.9°	12.7°	1.00	1.00
120°	8.59	4.30	10.56	75.9°	10.9°	1.00	1.00
135°	8.00	5.66	8.48	93.5°	6.8°	1.00	1.00
150°	6.98	6.05	6.94	119.9°	4.4°	1.00	1.00
165°	6.17	5.96	6.30	150.4°	3.5°	1.00	1.00
180°	5.93	5.93	6.09	180.0°	0.2°	1.00	1.00
154.2° (r)	6.73	6.06	6.66	128.3°	4.1°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.1° (b)	7.50	5.48	19.53	26.1°	23.6°	1.00	0.64
52°	8.29	5.11	19.40	30.3°	25.1°	1.00	0.65
60°	8.66	4.33	18.81	34.4°	26.6°	1.00	0.69
70°	8.96	3.06	17.79	39.9°	27.7°	1.00	0.77
75°	9.08	2.35	17.23	42.8°	28.0°	1.00	0.83
80°	9.19	1.59	16.60	45.8°	28.5°	1.00	0.91
90°	9.33	0.00	15.78	53.8°	23.2°	1.00	1.00
110°	9.21	3.15	13.48	70.9°	14.8°	1.00	1.00
120°	9.00	4.50	12.06	80.6°	12.0°	1.00	1.00
135°	8.58	6.07	9.94	97.9°	7.9°	1.00	1.00
150°	7.80	6.75	8.26	122.0°	5.0°	1.00	1.00
165°	6.97	6.73	7.56	151.2°	3.7°	1.00	1.00
180°	6.72	6.72	7.30	180.0°	0.3°	1.00	1.00
155.8° (r)	7.46	6.81	7.87	133.1°	4.4°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.9° (b)	7.61	5.57	21.37	27.0°	24.4°	0.95	0.62
52°	8.41	5.18	21.13	31.5°	26.1°	0.96	0.62
60°	8.74	4.37	20.42	36.0°	26.8°	0.90	0.77
70°	9.05	3.10	19.34	41.9°	28.0°	0.93	0.79
75°	9.19	2.38	18.72	45.0°	28.7°	0.97	0.80
80°	9.31	1.62	18.04	48.2°	29.4°	0.98	0.85
90°	9.59	0.00	16.91	55.5°	27.8°	1.00	0.96
110°	9.62	3.29	15.00	74.0°	16.6°	1.00	1.00
120°	9.39	4.69	13.59	84.2°	13.2°	1.00	1.00
135°	8.96	6.34	11.46	102.0°	9.2°	1.00	1.00
150°	8.41	7.29	9.71	124.6°	5.8°	1.00	1.00
165°	7.71	7.45	8.86	152.0°	4.1°	1.00	1.00
180°	7.46	7.46	8.56	180.0°	0.4°	1.00	1.00
173.8° (r)	7.52	7.47	8.59	168.3°	0.7°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.5° (b)	7.70	5.59	24.85	29.1°	24.4°	0.84	0.62
52°	8.49	5.23	24.50	33.8°	26.3°	0.85	0.62
60°	8.85	4.43	23.73	38.7°	27.4°	0.88	0.62
70°	9.17	3.14	22.44	45.3°	28.5°	0.86	0.76
75°	9.34	2.42	21.72	48.7°	29.3°	0.89	0.77
80°	9.50	1.65	20.99	52.2°	29.8°	0.89	0.84
90°	9.89	0.00	19.54	59.6°	30.2°	0.93	0.93
110°	10.33	3.53	17.69	78.5°	22.1°	0.98	0.95
120°	10.31	5.15	16.59	89.0°	16.8°	1.00	1.00
135°	9.72	6.87	14.60	107.8°	11.5°	1.00	1.00
150°	9.17	7.94	12.91	129.6°	7.6°	1.00	1.00
165°	8.73	8.43	11.81	154.0°	1.9°	1.00	1.00
180°	8.59	8.59	11.44	180.0°	0.6°	1.00	1.00
179.0° (r)	8.59	8.59	11.44	178.2°	0.7°	1.00	1.00