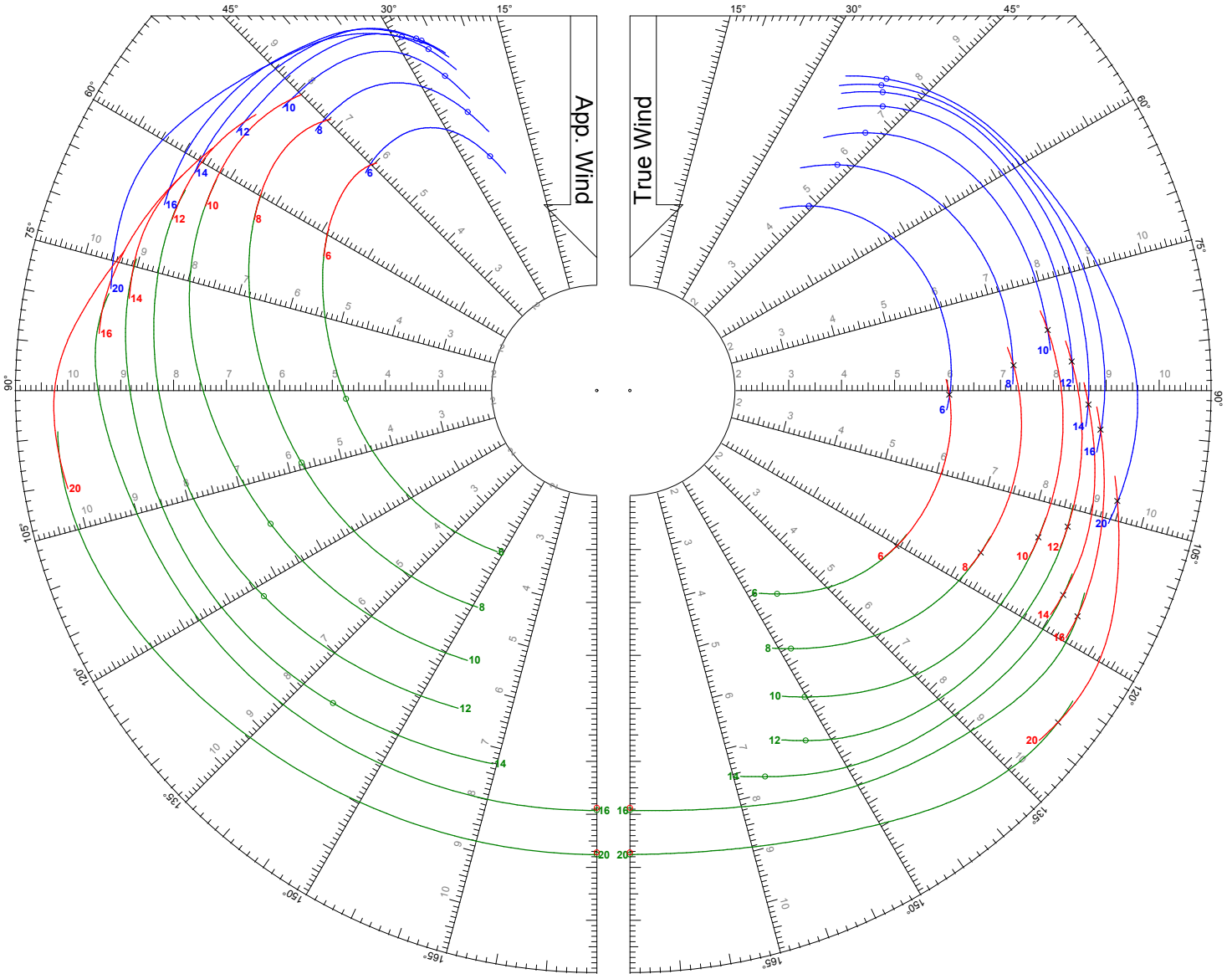




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Speed Guide



Polar Plot for Boat

Name **SCAMP**
Sail Number **B45**
Class **Beneteau First 45**
Designer **B Farr**
Builder **Beneteau yachts**
Issued On **27/06/2017 - VPP 2017 1.00**

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

Jib

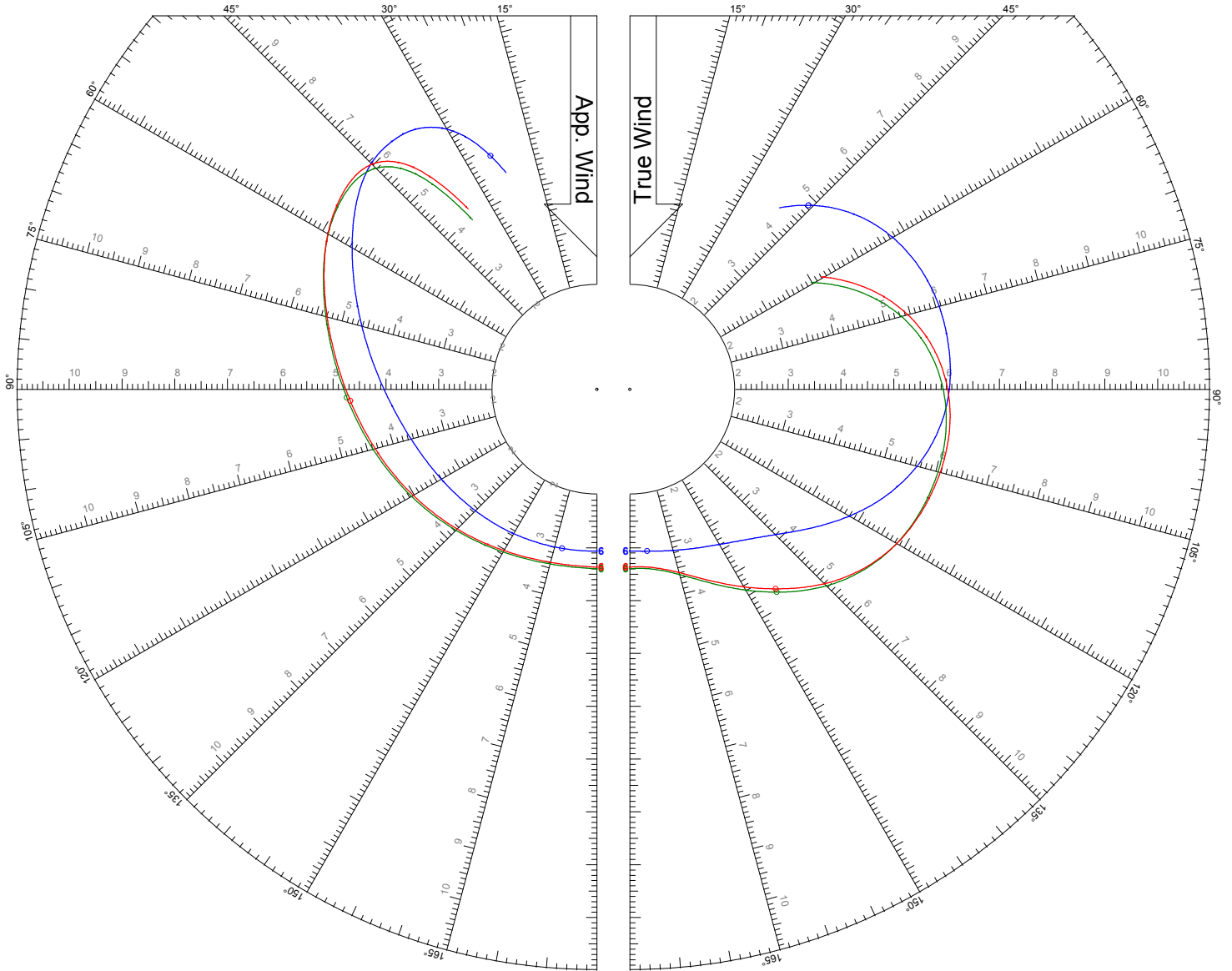
Symmetric Spinnaker

Asymmetric Spinnaker on Pole



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Speed Guide



Polar Plot for Boat	
Name	SCAMP
Sail Number	B45
Class	Beneteau First 45
Designer	B Farr
Builder	Beneteau yachts
Issued On	27/06/2017 - VPP 2017 1.00

TWS: 6 kts

Jib

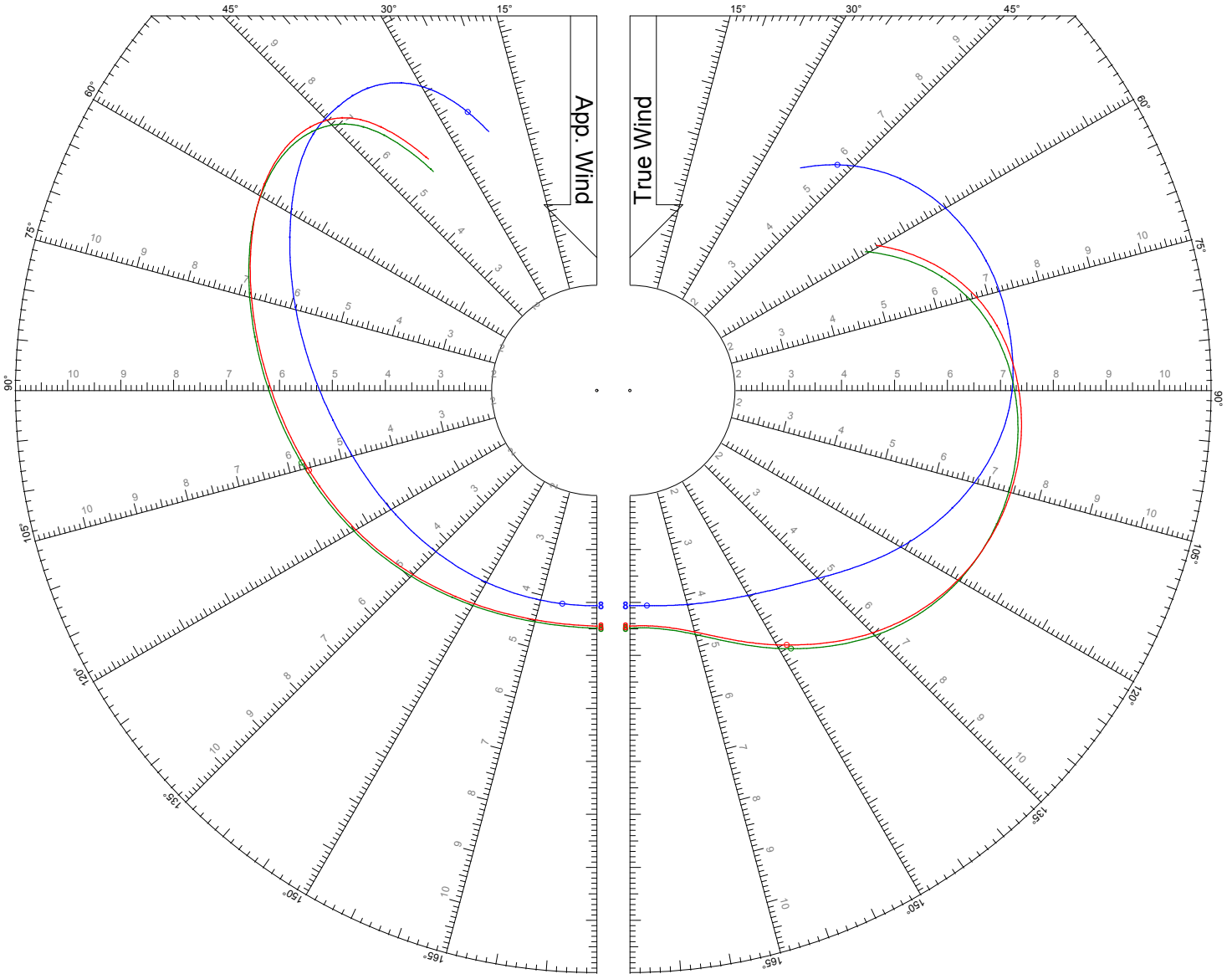
Symmetric Spinnaker

Asymmetric Spinnaker on Pole



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Speed Guide



Polar Plot for Boat	
Name	SCAMP
Sail Number	B45
Class	Beneteau First 45
Designer	B Farr
Builder	Beneteau yachts
Issued On	27/06/2017 - VPP 2017 1.00

TWS: 8 kts

Jib

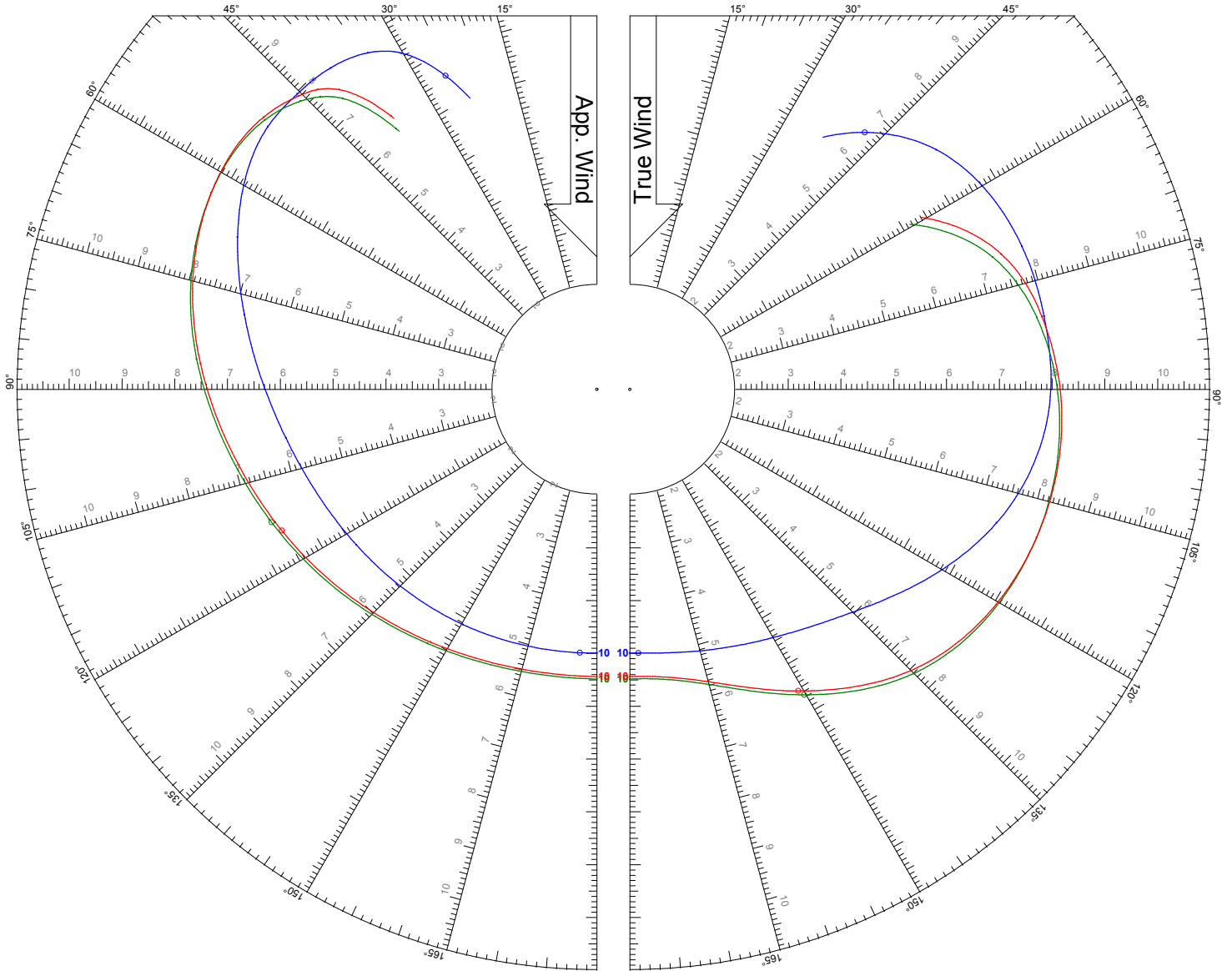
Symmetric Spinnaker

Asymmetric Spinnaker on Pole



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Speed Guide



Polar Plot for Boat

Name **SCAMP**
Sail Number **B45**
Class **Beneteau First 45**
Designer **B Farr**
Builder **Beneteau yachts**
Issued On **27/06/2017 - VPP 2017 1.00**

TWS: 10 kts

Jib

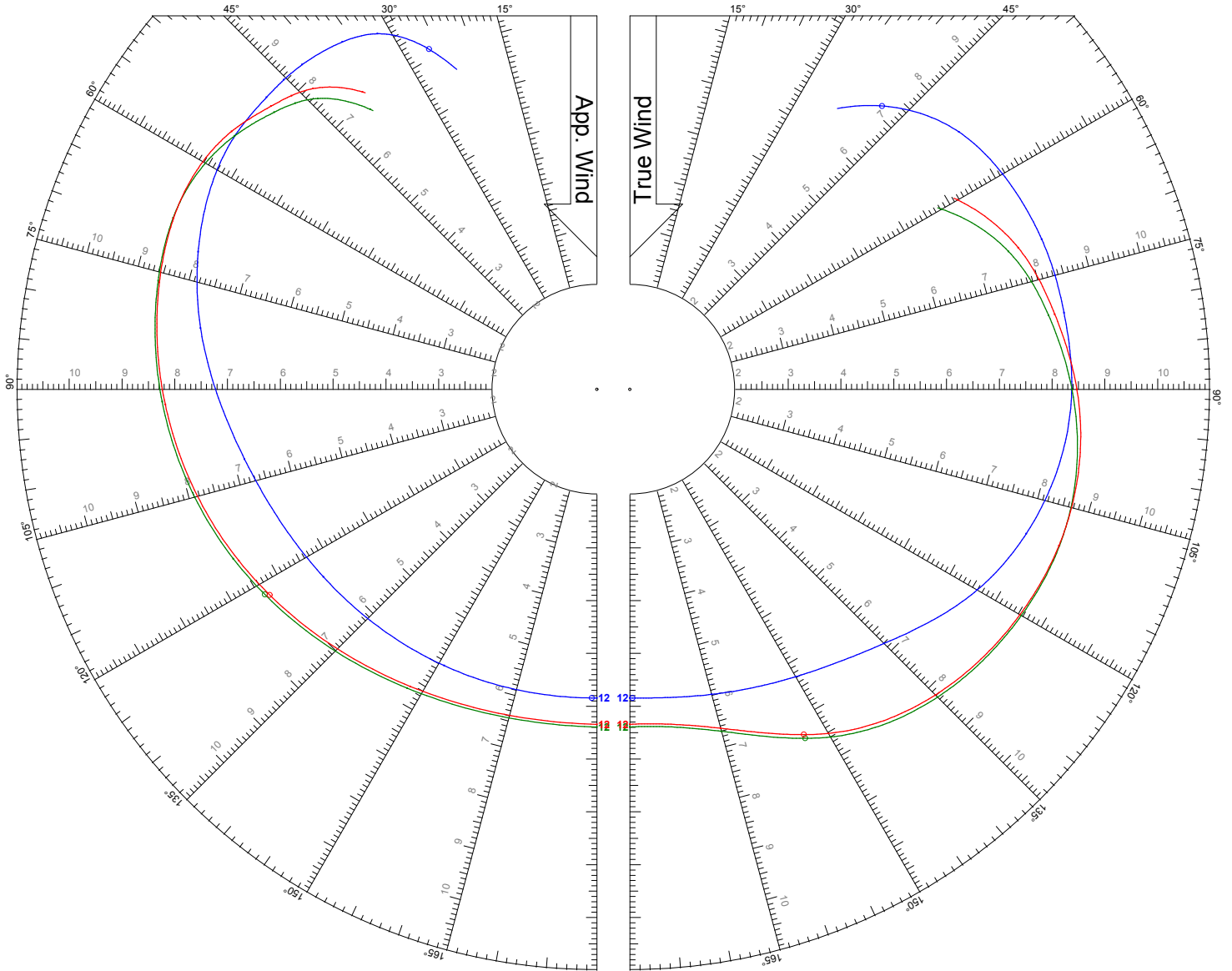
Symmetric Spinnaker

Asymmetric Spinnaker on Pole



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Speed Guide



Polar Plot for Boat

Name **SCAMP**
Sail Number **B45**
Class **Beneteau First 45**
Designer **B Farr**
Builder **Beneteau yachts**
Issued On **27/06/2017 - VPP 2017 1.00**

TWS: 12 kts

Jib

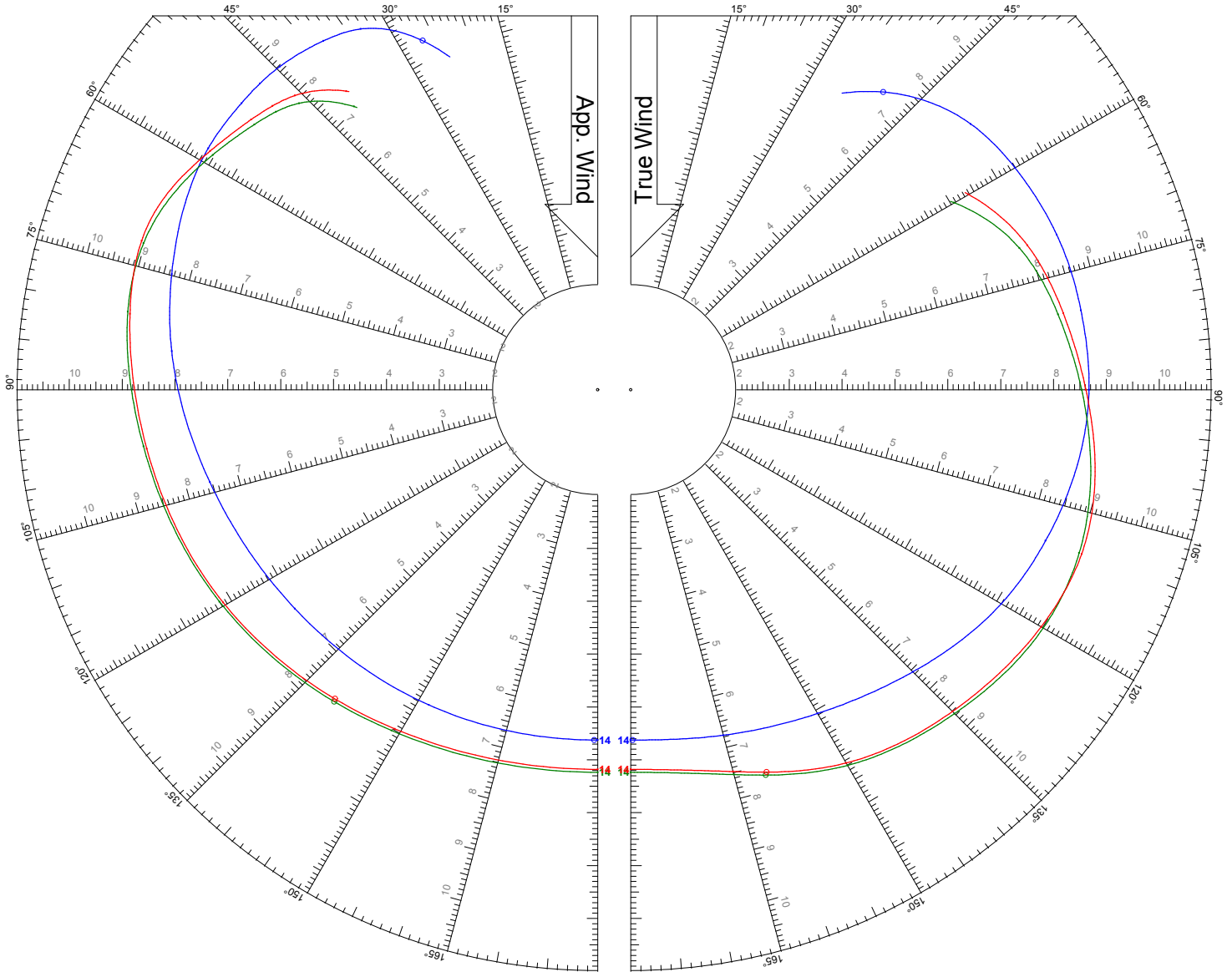
Symmetric Spinnaker

Asymmetric Spinnaker on Pole



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Speed Guide



Polar Plot for Boat	
Name	SCAMP
Sail Number	B45
Class	Beneteau First 45
Designer	B Farr
Builder	Beneteau yachts
Issued On	27/06/2017 - VPP 2017 1.00

TWS: 14 kts

Jib

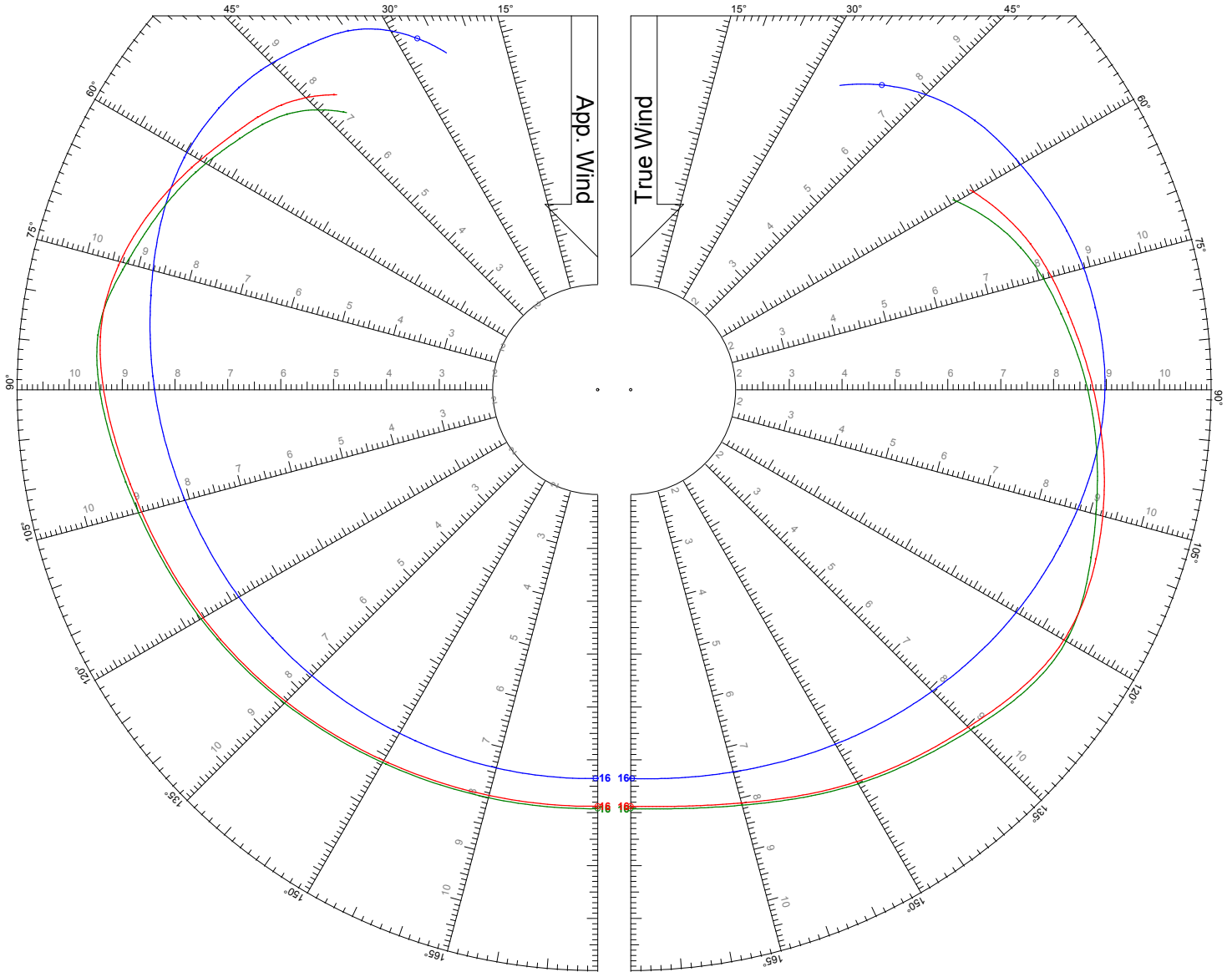
Symmetric Spinnaker

Asymmetric Spinnaker on Pole



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Speed Guide



Polar Plot for Boat

Name **SCAMP**
Sail Number **B45**
Class **Beneteau First 45**
Designer **B Farr**
Builder **Beneteau yachts**
Issued On **27/06/2017 - VPP 2017 1.00**

TWS: 16 kts

Jib

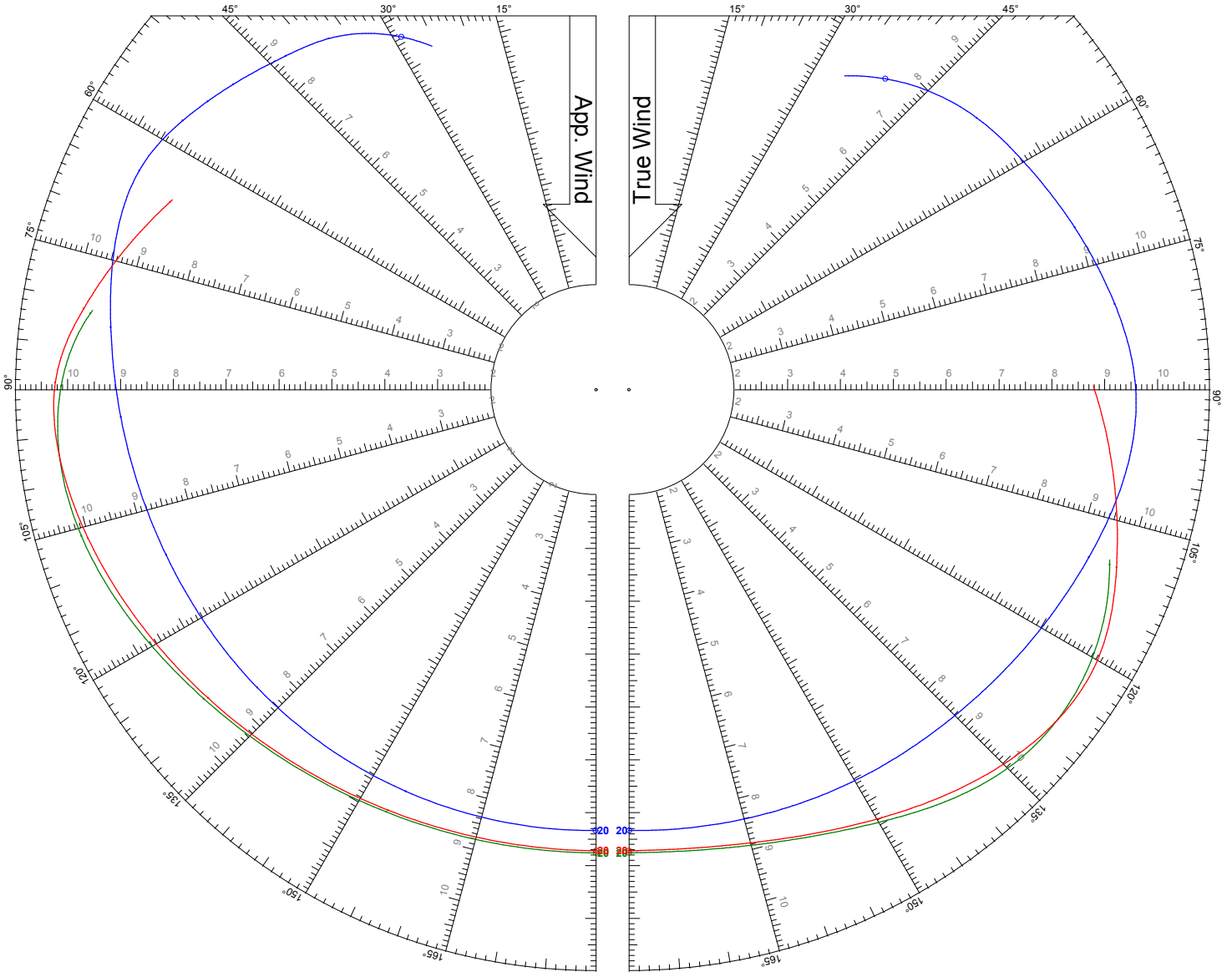
Symmetric Spinnaker

Asymmetric Spinnaker on Pole



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Speed Guide



Polar Plot for Boat	
Name	SCAMP
Sail Number	B45
Class	Beneteau First 45
Designer	B Farr
Builder	Beneteau yachts
Issued On	27/06/2017 - VPP 2017 1.00

TWS: 20 kts

Jib

Symmetric Spinnaker

Asymmetric Spinnaker on Pole



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Polar Tables

Boat Name: **SCAMP**

Sail No: **B45**

Sail: **Best Performance**

Issued On: **27/06/2017 - VPP 2017 1.00**

TWS = 6 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.2° (b)	4.86	3.48	10.07	24.5°	3.5°	1.00	0.97
52°	5.39	3.32	10.24	27.5°	3.7°	1.00	1.00
60°	5.75	2.87	10.18	30.7°	3.7°	1.00	1.00
70°	6.01	2.05	9.83	35.0°	3.4°	1.00	1.00
75°	6.07	1.57	9.57	37.3°	3.3°	1.00	1.00
80°	6.09	1.06	9.26	39.6°	3.1°	1.00	1.00
90°	6.05	0.00	8.52	44.8°	2.6°	1.00	1.00
110°	6.03	2.06	6.90	54.8°	11.3°	1.00	1.00
120°	5.84	2.92	5.92	61.4°	10.6°	1.00	1.00
135°	5.26	3.72	4.36	76.5°	8.4°	1.00	1.00
150°	4.39	3.80	3.11	105.1°	6.6°	1.00	1.00
165°	3.63	3.51	2.67	144.4°	5.9°	1.00	1.00
180°	3.40	3.40	2.60	180.0°	5.8°	1.00	1.00
144.1° (r)	4.74	3.84	3.52	91.9°	7.1°	1.00	1.00

TWS = 8 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.7° (b)	5.79	4.26	12.87	24.9°	5.9°	1.00	0.96
52°	6.49	3.99	13.04	28.9°	6.7°	1.00	1.00
60°	6.88	3.44	12.90	32.5°	6.4°	1.00	1.00
70°	7.16	2.45	12.43	37.2°	5.4°	1.00	1.00
75°	7.23	1.87	12.09	39.7°	5.0°	1.00	1.00
80°	7.25	1.26	11.70	42.4°	4.6°	1.00	1.00
90°	7.35	0.00	10.86	47.4°	15.3°	1.00	1.00
110°	7.39	2.53	8.84	58.2°	12.8°	1.00	1.00
120°	7.18	3.59	7.62	65.4°	12.0°	1.00	1.00
135°	6.54	4.63	5.73	81.1°	10.1°	1.00	1.00
150°	5.62	4.87	4.21	108.1°	7.2°	1.00	1.00
165°	4.77	4.60	3.61	145.0°	6.2°	1.00	1.00
180°	4.49	4.49	3.51	180.0°	5.8°	1.00	1.00
148.0° (r)	5.75	4.87	4.37	103.7°	7.4°	1.00	1.00

TWS = 10 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.5° (b)	6.59	4.86	15.52	25.8°	11.7°	1.00	0.97
52°	7.37	4.54	15.65	30.2°	12.9°	1.00	1.00
60°	7.71	3.85	15.38	34.3°	12.0°	1.00	1.00
70°	7.91	2.70	14.72	39.7°	10.0°	1.00	1.00
75°	7.95	2.06	14.30	42.5°	8.8°	1.00	1.00
80°	7.97	1.38	13.83	45.4°	7.6°	1.00	1.00
90°	8.15	0.00	12.90	50.8°	18.6°	1.00	1.00
110°	8.20	2.80	10.54	63.0°	15.7°	1.00	1.00
120°	8.08	4.04	9.19	70.4°	13.3°	1.00	1.00
135°	7.61	5.38	7.09	85.7°	11.1°	1.00	1.00
150°	6.68	5.78	5.38	111.6°	7.9°	1.00	1.00
165°	5.78	5.59	4.66	146.3°	6.4°	1.00	1.00
180°	5.49	5.49	4.51	180.0°	5.9°	1.00	1.00
150.3° (r)	6.66	5.78	5.36	112.2°	7.9°	1.00	1.00

TWS = 12 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.7° (b)	7.18	5.36	18.01	26.3°	18.5°	1.00	0.95
52°	7.91	4.87	17.99	31.7°	19.2°	1.00	0.98
60°	8.16	4.08	17.56	36.3°	18.3°	1.00	1.00
70°	8.30	2.84	16.77	42.3°	15.2°	1.00	1.00
75°	8.34	2.16	16.29	45.4°	13.4°	1.00	1.00
80°	8.35	1.45	15.77	48.5°	11.5°	1.00	1.00
90°	8.49	0.00	14.70	54.7°	22.1°	0.99	0.94
110°	8.66	2.96	12.16	68.0°	17.8°	1.00	1.00
120°	8.57	4.28	10.70	76.1°	15.3°	1.00	1.00
135°	8.24	5.83	8.49	91.6°	11.7°	1.00	1.00
150°	7.60	6.58	6.62	115.0°	8.8°	1.00	1.00
165°	6.70	6.47	5.79	147.6°	6.7°	1.00	1.00
180°	6.39	6.39	5.61	180.0°	6.0°	1.00	1.00
153.3° (r)	7.40	6.61	6.33	121.7°	8.1°	1.00	1.00

TWS = 14 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
40.3° (b)	7.38	5.63	20.20	26.6°	22.5°	1.00	0.87
52°	8.16	5.03	20.08	33.3°	25.2°	1.00	0.94
60°	8.40	4.20	19.60	38.2°	23.9°	1.00	0.96
70°	8.58	2.93	18.75	44.5°	21.4°	1.00	1.00
75°	8.63	2.23	18.25	47.8°	18.8°	1.00	1.00
80°	8.65	1.50	17.69	51.2°	16.2°	1.00	1.00
90°	8.67	0.00	16.47	58.2°	11.1°	1.00	1.00
110°	9.08	3.11	13.84	71.9°	21.6°	1.00	1.00
120°	9.01	4.51	12.29	80.6°	16.6°	1.00	1.00
135°	8.66	6.13	9.98	97.1°	12.3°	1.00	1.00
150°	8.20	7.11	8.02	119.3°	9.7°	1.00	1.00
165°	7.54	7.28	7.00	148.8°	7.1°	1.00	1.00
180°	7.24	7.24	6.76	180.0°	6.1°	1.00	1.00
160.7° (r)	7.72	7.29	7.18	139.8°	7.6°	1.00	1.00

TWS = 16 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.5° (b)	7.47	5.76	22.28	27.2°	23.7°	1.00	0.76
52°	8.27	5.09	22.07	34.8°	26.6°	1.00	0.82
60°	8.52	4.26	21.56	40.0°	27.6°	1.00	0.89
70°	8.78	3.00	20.72	46.5°	26.5°	1.00	0.96
75°	8.87	2.30	20.21	49.9°	24.9°	1.00	0.99
80°	8.93	1.55	19.63	53.4°	21.9°	1.00	1.00
90°	8.97	0.00	18.34	60.7°	15.0°	1.00	1.00
110°	9.39	3.21	15.54	75.4°	21.9°	0.99	0.94
120°	9.51	4.76	13.94	83.8°	20.4°	1.00	1.00
135°	9.10	6.43	11.53	101.1°	13.1°	1.00	1.00
150°	8.61	7.45	9.57	123.3°	10.6°	1.00	1.00
165°	8.14	7.86	8.41	150.5°	7.6°	1.00	1.00
180°	7.92	7.92	8.08	180.0°	6.2°	1.00	1.00
180.0° (r)	7.92	7.92	8.08	180.0°	6.2°	1.00	1.00

TWS = 20 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.5° (b)	7.62	5.88	26.33	28.9°	23.2°	0.85	0.60
52°	8.35	5.14	25.99	37.3°	27.5°	1.00	0.64
60°	8.62	4.31	25.43	42.9°	28.8°	1.00	0.69
70°	8.97	3.07	24.56	49.9°	30.5°	1.00	0.79
75°	9.15	2.37	24.05	53.4°	30.9°	1.00	0.85
80°	9.33	1.62	23.49	57.0°	31.4°	1.00	0.92
90°	9.59	0.00	22.18	64.4°	25.9°	1.00	1.00
110°	9.85	3.37	19.03	80.9°	22.1°	0.88	0.94
120°	10.30	5.15	17.32	89.0°	22.1°	1.00	0.95
135°	10.13	7.16	14.70	105.8°	15.9°	1.00	1.00
150°	9.45	8.18	12.73	128.2°	11.5°	1.00	1.00
165°	8.92	8.62	11.62	153.5°	9.0°	1.00	1.00
180°	8.76	8.76	11.24	180.0°	6.5°	1.00	1.00
180.0° (r)	8.76	8.76	11.24	180.0°	6.5°	1.00	1.00



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Polar Tables

Boat Name: **SCAMP**

Sail No: **B45**

Sail: **Jib**

Issued On: **27/06/2017 - VPP 2017 1.00**

TWS = 6 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.2° (b)	4.86	3.48	9.97	24.3°	3.5°	1.00	0.97
52°	5.39	3.32	10.15	27.2°	3.7°	1.00	1.00
60°	5.75	2.87	10.09	30.4°	3.7°	1.00	1.00
70°	6.01	2.05	9.75	34.6°	3.4°	1.00	1.00
75°	6.07	1.57	9.50	36.9°	3.3°	1.00	1.00
80°	6.09	1.06	9.19	39.2°	3.1°	1.00	1.00
90°	6.05	0.00	8.45	44.3°	2.6°	1.00	1.00
110°	5.39	1.84	6.50	58.8°	1.6°	1.00	1.00
120°	4.80	2.40	5.45	70.3°	1.1°	1.00	1.00
135°	3.89	2.75	4.22	94.3°	0.6°	1.00	1.00
150°	3.39	2.94	3.45	120.5°	0.4°	1.00	1.00
165°	3.16	3.05	2.98	149.1°	0.2°	1.00	1.00
180°	3.06	3.06	2.85	180.0°	0.0°	1.00	1.00
173.9° (r)	3.08	3.06	2.87	167.4°	0.1°	1.00	1.00

TWS = 8 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.7° (b)	5.79	4.26	12.73	24.6°	5.9°	1.00	0.96
52°	6.49	3.99	12.90	28.5°	6.7°	1.00	1.00
60°	6.88	3.44	12.77	32.1°	6.4°	1.00	1.00
70°	7.16	2.45	12.30	36.8°	5.4°	1.00	1.00
75°	7.23	1.87	11.97	39.3°	5.0°	1.00	1.00
80°	7.25	1.26	11.58	41.9°	4.6°	1.00	1.00
90°	7.22	0.00	10.67	47.4°	3.8°	1.00	1.00
110°	6.48	2.22	8.32	63.0°	2.2°	1.00	1.00
120°	5.91	2.95	7.12	74.1°	1.5°	1.00	1.00
135°	5.02	3.55	5.64	96.1°	0.9°	1.00	1.00
150°	4.46	3.87	4.63	121.2°	0.6°	1.00	1.00
165°	4.18	4.04	4.00	149.3°	0.3°	1.00	1.00
180°	4.06	4.06	3.82	180.0°	0.1°	1.00	1.00
175.5° (r)	4.08	4.06	3.83	170.7°	0.2°	1.00	1.00

TWS = 10 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
42.5° (b)	6.59	4.86	15.28	25.1°	11.7°	1.00	0.97
52°	7.37	4.54	15.39	29.4°	12.9°	1.00	1.00
60°	7.71	3.85	15.12	33.4°	12.0°	1.00	1.00
70°	7.91	2.70	14.48	38.9°	10.0°	1.00	1.00
75°	7.95	2.06	14.08	41.8°	8.8°	1.00	1.00
80°	7.97	1.38	13.63	44.8°	7.6°	1.00	1.00
90°	7.98	0.00	12.64	50.9°	5.2°	1.00	1.00
110°	7.39	2.53	10.10	66.6°	2.8°	1.00	1.00
120°	6.83	3.41	8.77	77.6°	2.1°	1.00	1.00
135°	5.97	4.22	7.09	98.5°	1.3°	1.00	1.00
150°	5.43	4.70	5.86	122.4°	0.9°	1.00	1.00
165°	5.13	4.95	5.08	149.9°	0.5°	1.00	1.00
180°	5.00	5.00	4.86	180.0°	0.1°	1.00	1.00
178.1° (r)	5.00	5.00	4.86	176.2°	0.2°	1.00	1.00

TWS = 12 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.7° (b)	7.18	5.36	17.58	24.9°	18.5°	1.00	0.95
52°	7.91	4.87	17.48	30.0°	19.2°	1.00	0.98
60°	8.16	4.08	17.03	34.5°	18.3°	1.00	1.00
70°	8.30	2.84	16.31	40.9°	15.2°	1.00	1.00
75°	8.34	2.16	15.88	44.2°	13.4°	1.00	1.00
80°	8.35	1.45	15.41	47.6°	11.5°	1.00	1.00
90°	8.37	0.00	14.39	54.4°	7.8°	1.00	1.00
110°	7.99	2.73	11.80	70.5°	3.5°	1.00	1.00
120°	7.60	3.80	10.41	80.8°	2.6°	1.00	1.00
135°	6.81	4.81	8.57	100.9°	1.7°	1.00	1.00
150°	6.28	5.44	7.16	124.0°	1.2°	1.00	1.00
165°	5.98	5.78	6.25	150.7°	0.7°	1.00	1.00
180°	5.84	5.84	5.98	180.0°	0.2°	1.00	1.00
179.5° (r)	5.84	5.84	5.98	179.0°	0.2°	1.00	1.00

TWS = 14 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
40.3° (b)	7.38	5.63	19.55	24.6°	22.5°	1.00	0.87
52°	8.16	5.03	19.18	30.4°	25.2°	1.00	0.94
60°	8.40	4.20	18.66	35.4°	23.9°	1.00	0.96
70°	8.58	2.93	17.86	42.1°	21.4°	1.00	1.00
75°	8.63	2.23	17.47	45.8°	18.8°	1.00	1.00
80°	8.65	1.50	17.04	49.6°	16.2°	1.00	1.00
90°	8.67	0.00	16.06	57.3°	11.1°	1.00	1.00
110°	8.35	2.86	13.47	74.4°	4.3°	1.00	1.00
120°	8.10	4.05	12.05	84.5°	3.2°	1.00	1.00
135°	7.55	5.34	10.08	103.1°	2.2°	1.00	1.00
150°	7.07	6.12	8.49	125.4°	1.6°	1.00	1.00
165°	6.77	6.53	7.48	151.5°	1.0°	1.00	1.00
180°	6.63	6.63	7.17	180.0°	0.3°	1.00	1.00
179.7° (r)	6.63	6.63	7.17	179.4°	0.3°	1.00	1.00

TWS = 16 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.5° (b)	7.47	5.76	21.44	24.9°	23.7°	1.00	0.76
52°	8.27	5.09	20.89	31.5°	26.6°	1.00	0.82
60°	8.52	4.26	20.16	36.2°	27.6°	1.00	0.89
70°	8.78	3.00	19.23	42.8°	26.5°	1.00	0.96
75°	8.87	2.30	18.79	46.6°	24.9°	1.00	0.99
80°	8.93	1.55	18.43	50.8°	21.9°	1.00	1.00
90°	8.97	0.00	17.64	59.4°	15.0°	1.00	1.00
110°	8.64	2.96	15.16	77.7°	5.3°	1.00	1.00
120°	8.42	4.21	13.71	87.9°	3.8°	1.00	1.00
135°	8.07	5.70	11.65	105.7°	2.8°	1.00	1.00
150°	7.74	6.70	9.90	127.0°	2.0°	1.00	1.00
165°	7.48	7.23	8.76	152.2°	1.2°	1.00	1.00
180°	7.35	7.35	8.41	180.0°	0.4°	1.00	1.00
179.8° (r)	7.35	7.35	8.41	179.7°	0.4°	1.00	1.00

TWS = 20 Kts

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.5° (b)	7.62	5.88	25.12	26.6°	23.2°	0.85	0.60
52°	8.35	5.14	24.30	33.7°	27.5°	1.00	0.64
60°	8.62	4.31	23.39	38.7°	28.8°	1.00	0.69
70°	8.97	3.07	22.05	45.1°	30.5°	1.00	0.79
75°	9.15	2.37	21.36	48.5°	30.9°	1.00	0.85
80°	9.33	1.62	20.63	52.0°	31.4°	1.00	0.92
90°	9.59	0.00	19.99	61.3°	25.9°	1.00	1.00
110°	9.26	3.17	18.44	82.2°	10.6°	1.00	1.00
120°	9.01	4.51	17.09	93.0°	6.5°	1.00	1.00
135°	8.72	6.16	14.96	110.8°	4.2°	1.00	1.00
150°	8.54	7.39	13.08	131.0°	3.0°	1.00	1.00
165°	8.41	8.12	11.79	154.4°	1.9°	1.00	1.00
180°	8.34	8.34	11.37	180.0°	0.6°	1.00	1.00
180.0° (r)	8.34	8.34	11.37	179.9°	0.6°	1.00	1.00



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Polar Tables							
Boat Name: SCAMP							
Sail No: B45							
Sail: Symmetric Spinnaker							
Issued On: 27/06/2017 - VPP 2017 1.00							

TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	4.04	2.02	8.78	36.1°	11.5°	1.00	0.96
70°	4.98	1.70	9.02	38.5°	12.1°	1.00	0.97
75°	5.33	1.38	9.00	39.9°	12.3°	1.00	0.97
80°	5.60	0.97	8.89	41.4°	12.4°	1.00	0.97
90°	5.94	0.00	8.42	45.2°	12.4°	1.00	0.99
110°	6.00	2.05	6.86	55.3°	11.5°	1.00	1.00
120°	5.84	2.92	5.90	62.0°	10.8°	1.00	1.00
135°	5.26	3.72	4.39	77.8°	8.4°	1.00	1.00
150°	4.39	3.80	3.18	106.7°	6.6°	1.00	1.00
165°	3.63	3.51	2.76	145.3°	5.9°	1.00	1.00
180°	3.40	3.40	2.70	180.0°	5.8°	1.00	1.00
144.1° (r)	4.74	3.84	3.58	93.6°	7.1°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	5.22	2.61	11.54	36.4°	13.6°	1.00	0.96
70°	6.27	2.15	11.68	39.1°	15.4°	1.00	0.97
75°	6.65	1.72	11.57	40.8°	15.7°	1.00	0.97
80°	6.93	1.20	11.36	42.8°	15.9°	1.00	0.97
90°	7.27	0.00	10.69	47.2°	15.7°	1.00	1.00
110°	7.37	2.52	8.76	58.5°	13.1°	1.00	1.00
120°	7.18	3.59	7.58	65.9°	12.0°	1.00	1.00
135°	6.54	4.63	5.73	82.3°	10.1°	1.00	1.00
150°	5.62	4.87	4.30	109.7°	7.2°	1.00	1.00
165°	4.77	4.60	3.74	145.9°	6.2°	1.00	1.00
180°	4.49	4.49	3.64	180.0°	5.8°	1.00	1.00
148.0° (r)	5.75	4.87	4.45	105.3°	7.4°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.23	3.11	14.09	36.6°	16.9°	1.00	0.96
70°	7.32	2.50	13.96	39.4°	21.4°	1.00	0.95
75°	7.62	1.97	13.69	41.5°	22.0°	1.00	0.94
80°	7.83	1.36	13.34	44.0°	21.9°	1.00	0.95
90°	8.10	0.00	12.48	49.5°	20.7°	1.00	0.99
110°	8.20	2.80	10.35	62.9°	15.7°	1.00	1.00
120°	8.08	4.04	9.10	70.9°	13.3°	1.00	1.00
135°	7.61	5.38	7.09	86.8°	11.1°	1.00	1.00
150°	6.68	5.78	5.49	113.1°	7.9°	1.00	1.00
165°	5.78	5.59	4.82	147.1°	6.4°	1.00	1.00
180°	5.49	5.49	4.67	180.0°	5.9°	1.00	1.00
150.3° (r)	6.66	5.78	5.47	113.7°	7.9°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.82	3.41	16.10	36.9°	22.6°	0.96	0.91
70°	7.63	2.61	15.77	41.7°	22.5°	0.94	0.85
75°	7.88	2.04	15.42	44.4°	22.5°	0.94	0.85
80°	8.06	1.40	14.99	47.3°	22.4°	0.94	0.86
90°	8.38	0.00	14.01	53.3°	22.3°	0.96	0.90
110°	8.66	2.96	11.81	67.7°	17.8°	1.00	1.00
120°	8.57	4.28	10.50	76.5°	15.3°	1.00	1.00
135°	8.24	5.83	8.49	92.8°	11.7°	1.00	1.00
150°	7.60	6.58	6.75	116.3°	8.8°	1.00	1.00
165°	6.70	6.47	5.98	148.3°	6.7°	1.00	1.00
180°	6.39	6.39	5.80	180.0°	6.0°	1.00	1.00
153.3° (r)	7.40	6.61	6.48	123.0°	8.1°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.07	3.53	17.98	38.5°	22.4°	0.87	0.88
70°	7.83	2.68	17.51	43.9°	22.5°	0.86	0.84
75°	8.05	2.08	17.11	47.0°	22.2°	0.86	0.85
80°	8.21	1.43	16.63	50.2°	22.2°	0.87	0.85
90°	8.53	0.00	15.56	56.7°	22.3°	0.90	0.86
110°	9.03	3.09	13.06	71.4°	22.0°	1.00	0.95
120°	9.01	4.51	11.98	80.9°	16.6°	1.00	1.00
135°	8.66	6.13	9.97	98.3°	12.3°	1.00	1.00
150°	8.20	7.11	8.16	120.5°	9.7°	1.00	1.00
165°	7.54	7.28	7.21	149.5°	7.1°	1.00	1.00
180°	7.24	7.24	6.99	180.0°	6.1°	1.00	1.00
160.7° (r)	7.72	7.29	7.39	140.7°	7.6°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.12	3.56	19.73	40.1°	23.1°	0.85	0.74
70°	7.86	2.69	19.19	46.1°	22.9°	0.85	0.70
75°	8.09	2.09	18.76	49.3°	22.8°	0.85	0.71
80°	8.27	1.44	18.24	52.7°	22.7°	0.85	0.73
90°	8.65	0.00	17.09	59.6°	22.8°	0.85	0.82
110°	9.27	3.17	14.54	75.0°	22.1°	0.94	0.93
120°	9.51	4.76	13.25	84.0°	20.4°	1.00	1.00
135°	9.10	6.43	11.49	102.2°	13.1°	1.00	1.00
150°	8.61	7.45	9.72	124.5°	10.6°	1.00	1.00
165°	8.14	7.86	8.65	151.2°	7.6°	1.00	1.00
180°	7.92	7.92	8.33	180.0°	6.2°	1.00	1.00
180.0° (r)	7.92	7.92	8.33	180.0°	6.2°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	-0.01	-0.01	18.33	57.2°	26.7°	0.85	0.62
70°	-0.01	0.00	18.04	67.9°	26.7°	0.85	0.62
75°	-0.01	0.00	17.93	73.3°	26.7°	0.85	0.62
80°	-0.01	0.00	17.85	78.9°	26.7°	0.85	0.62
90°	-0.01	0.00	17.78	90.0°	26.7°	0.85	0.62
110°	9.68	3.31	17.59	80.7°	22.3°	0.85	0.89
120°	10.12	5.06	16.18	89.8°	22.1°	0.93	0.94
135°	10.13	7.16	14.48	107.1°	15.9°	1.00	1.00
150°	9.45	8.18	12.89	129.4°	11.5°	1.00	1.00
165°	8.92	8.62	11.91	154.1°	9.0°	1.00	1.00
180°	8.76	8.76	11.56	180.0°	6.5°	1.00	1.00
180.0° (r)	8.76	8.76	11.56	180.0°	6.5°	1.00	1.00



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Polar Tables							
Boat Name: SCAMP							
Sail No: B45							
Sail: Asymmetric Spinnaker on CL							
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TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	4.24	2.12	8.92	35.3°	11.3°	1.00	0.97
70°	5.10	1.75	9.10	37.9°	11.8°	1.00	0.98
75°	5.43	1.40	9.05	39.3°	12.0°	1.00	0.98
80°	5.68	0.99	8.92	41.0°	12.1°	1.00	0.99
90°	5.98	0.00	8.43	44.8°	12.0°	1.00	1.00
110°	5.98	2.04	6.83	55.2°	11.1°	1.00	1.00
120°	5.78	2.89	5.86	62.2°	10.4°	1.00	1.00
135°	5.13	3.63	4.34	78.9°	7.9°	1.00	1.00
150°	4.26	3.69	3.18	108.3°	6.4°	1.00	1.00
165°	3.24	3.13	3.03	149.1°	6.0°	1.00	1.00
180°	3.07	3.07	2.96	180.0°	5.8°	1.00	1.00
143.4° (r)	4.65	3.73	3.61	93.6°	6.9°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	5.45	2.73	11.69	35.7°	13.0°	1.00	0.97
70°	6.41	2.19	11.75	38.7°	14.8°	1.00	0.98
75°	6.75	1.75	11.62	40.5°	15.2°	1.00	0.98
80°	7.00	1.22	11.39	42.4°	15.3°	1.00	0.99
90°	7.30	0.00	10.70	47.0°	14.9°	1.00	1.00
110°	7.33	2.51	8.72	58.5°	12.5°	1.00	1.00
120°	7.08	3.54	7.52	66.3°	11.6°	1.00	1.00
135°	6.39	4.52	5.69	83.4°	9.3°	1.00	1.00
150°	5.46	4.73	4.30	111.1°	6.9°	1.00	1.00
165°	4.28	4.13	4.07	149.4°	6.2°	1.00	1.00
180°	4.07	4.07	3.97	180.0°	5.8°	1.00	1.00
147.3° (r)	5.65	4.75	4.50	105.0°	7.2°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.47	3.23	14.25	36.1°	16.2°	1.00	0.97
70°	7.48	2.56	14.16	39.5°	18.2°	1.00	0.97
75°	7.75	2.01	13.86	41.6°	19.2°	1.00	0.97
80°	7.91	1.37	13.48	44.2°	19.0°	1.00	0.98
90°	8.13	0.00	12.62	49.9°	17.3°	1.00	1.00
110°	8.16	2.79	10.33	62.9°	14.8°	1.00	1.00
120°	8.00	4.00	9.05	71.1°	12.5°	1.00	1.00
135°	7.46	5.27	7.04	87.6°	10.6°	1.00	1.00
150°	6.47	5.60	5.51	114.5°	7.5°	1.00	1.00
165°	5.23	5.05	5.19	150.1°	6.6°	1.00	1.00
180°	5.01	5.01	5.05	180.0°	5.9°	1.00	1.00
147.6° (r)	6.66	5.63	5.69	109.3°	7.8°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.23	3.61	16.41	36.1°	22.2°	0.99	0.93
70°	7.87	2.69	15.91	41.1°	22.4°	0.96	0.89
75°	8.06	2.09	15.51	43.9°	22.3°	0.96	0.90
80°	8.21	1.43	15.05	46.8°	22.3°	0.96	0.91
90°	8.49	0.00	14.05	52.8°	22.1°	0.99	0.94
110°	8.61	2.95	11.82	67.8°	16.2°	1.00	1.00
120°	8.49	4.25	10.50	76.7°	13.8°	1.00	1.00
135°	8.15	5.76	8.43	93.0°	11.2°	1.00	1.00
150°	7.34	6.36	6.78	117.8°	8.1°	1.00	1.00
165°	6.09	5.88	6.39	150.9°	7.0°	1.00	1.00
180°	5.85	5.85	6.21	180.0°	6.0°	1.00	1.00
148.2° (r)	7.51	6.38	6.91	113.9°	8.5°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.44	3.72	18.25	37.8°	22.4°	0.92	0.85
70°	8.02	2.74	17.63	43.5°	22.4°	0.90	0.82
75°	8.19	2.12	17.18	46.6°	22.4°	0.91	0.83
80°	8.33	1.45	16.68	49.8°	22.4°	0.93	0.81
90°	8.64	0.00	15.60	56.4°	22.2°	0.94	0.85
110°	9.04	3.09	13.22	71.4°	19.2°	1.00	1.00
120°	8.91	4.46	11.96	81.2°	15.4°	1.00	1.00
135°	8.57	6.06	9.90	98.4°	11.7°	1.00	1.00
150°	7.96	6.89	8.19	121.5°	8.9°	1.00	1.00
165°	6.88	6.64	7.65	151.8°	7.5°	1.00	1.00
180°	6.63	6.63	7.44	180.0°	6.1°	1.00	1.00
150.0° (r)	7.96	6.89	8.19	121.5°	8.9°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.57	3.78	20.02	39.3°	22.7°	0.85	0.82
70°	8.11	2.77	19.31	45.5°	22.6°	0.85	0.79
75°	8.29	2.15	18.80	48.8°	22.7°	0.85	0.81
80°	8.44	1.47	18.29	52.2°	22.4°	0.85	0.84
90°	8.79	0.00	17.15	59.2°	22.3°	0.87	0.86
110°	9.39	3.21	14.57	74.5°	21.9°	0.99	0.94
120°	9.39	4.70	13.47	84.4°	16.6°	1.00	1.00
135°	8.98	6.35	11.44	102.4°	12.3°	1.00	1.00
150°	8.34	7.22	9.75	125.4°	9.9°	1.00	1.00
165°	7.58	7.33	8.97	152.6°	8.1°	1.00	1.00
180°	7.36	7.36	8.73	180.0°	6.2°	1.00	1.00
174.4° (r)	7.41	7.38	8.74	169.8°	6.8°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	-0.01	-0.01	18.33	57.4°	25.7°	0.85	0.62
70°	-0.01	0.00	18.06	68.0°	25.7°	0.85	0.62
75°	-0.01	0.00	17.96	73.5°	25.7°	0.85	0.62
80°	-0.01	0.00	17.88	79.0°	25.7°	0.85	0.62
90°	8.88	0.00	20.37	64.1°	22.5°	0.85	0.64
110°	9.85	3.37	17.59	80.0°	22.1°	0.88	0.94
120°	10.30	5.15	16.14	89.1°	22.1°	1.00	0.95
135°	9.93	7.02	14.47	107.4°	14.6°	1.00	1.00
150°	8.94	7.75	13.03	130.7°	11.3°	1.00	1.00
165°	8.46	8.17	12.11	154.9°	9.8°	1.00	1.00
180°	8.33	8.33	11.77	180.0°	6.5°	1.00	1.00
178.0° (r)	8.34	8.34	11.77	176.6°	6.9°	1.00	1.00



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Polar Tables							
Boat Name: SCAMP							
Sail No: B45							
Sail: Asymmetric Spinnaker on Pole							
Issued On: 27/06/2017 - VPP 2017 1.00							

TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	4.25	2.12	8.93	35.3°	11.3°	1.00	0.97
70°	5.12	1.75	9.12	37.8°	11.9°	1.00	0.98
75°	5.45	1.41	9.08	39.3°	12.1°	1.00	0.98
80°	5.71	0.99	8.95	40.9°	12.3°	1.00	0.98
90°	6.02	0.00	8.47	44.7°	12.2°	1.00	1.00
110°	6.03	2.06	6.87	54.9°	11.3°	1.00	1.00
120°	5.84	2.92	5.89	61.8°	10.6°	1.00	1.00
135°	5.21	3.68	4.36	78.2°	8.1°	1.00	1.00
150°	4.32	3.74	3.18	107.6°	6.5°	1.00	1.00
165°	3.59	3.47	2.77	145.5°	5.9°	1.00	1.00
180°	3.37	3.37	2.70	180.0°	5.8°	1.00	1.00
143.8° (r)	4.68	3.78	3.58	94.0°	6.9°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	5.46	2.73	11.71	35.7°	13.2°	1.00	0.97
70°	6.43	2.20	11.78	38.6°	15.1°	1.00	0.97
75°	6.78	1.76	11.66	40.4°	15.5°	1.00	0.98
80°	7.04	1.22	11.43	42.3°	15.6°	1.00	0.98
90°	7.35	0.00	10.74	46.8°	15.3°	1.00	1.00
110°	7.39	2.53	8.76	58.2°	12.8°	1.00	1.00
120°	7.16	3.58	7.55	65.8°	11.8°	1.00	1.00
135°	6.47	4.58	5.71	82.7°	9.6°	1.00	1.00
150°	5.54	4.80	4.30	110.3°	7.0°	1.00	1.00
165°	4.72	4.56	3.74	146.2°	6.1°	1.00	1.00
180°	4.45	4.45	3.64	180.0°	5.8°	1.00	1.00
148.3° (r)	5.64	4.80	4.42	106.8°	7.2°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.48	3.24	14.28	36.1°	16.5°	1.00	0.96
70°	7.49	2.56	14.14	39.3°	19.7°	1.00	0.96
75°	7.76	2.01	13.82	41.3°	20.8°	1.00	0.96
80°	7.93	1.38	13.45	43.9°	20.6°	1.00	0.97
90°	8.15	0.00	12.59	49.7°	18.6°	1.00	1.00
110°	8.20	2.80	10.35	62.8°	15.2°	1.00	1.00
120°	8.05	4.03	9.08	70.9°	12.8°	1.00	1.00
135°	7.53	5.32	7.06	87.2°	10.8°	1.00	1.00
150°	6.59	5.71	5.49	113.6°	7.7°	1.00	1.00
165°	5.73	5.53	4.82	147.3°	6.4°	1.00	1.00
180°	5.44	5.44	4.67	180.0°	5.9°	1.00	1.00
150.8° (r)	6.54	5.71	5.43	115.3°	7.6°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.17	3.59	16.38	36.2°	22.2°	0.97	0.93
70°	7.83	2.68	15.90	41.2°	22.3°	0.95	0.87
75°	8.03	2.08	15.51	44.0°	22.3°	0.95	0.87
80°	8.18	1.42	15.05	47.0°	22.3°	0.95	0.89
90°	8.47	0.00	14.04	52.9°	22.2°	0.97	0.93
110°	8.65	2.96	11.83	67.7°	16.7°	1.00	1.00
120°	8.53	4.27	10.49	76.5°	14.6°	1.00	1.00
135°	8.18	5.79	8.46	93.0°	11.4°	1.00	1.00
150°	7.52	6.51	6.74	116.7°	8.5°	1.00	1.00
165°	6.64	6.42	5.97	148.5°	6.7°	1.00	1.00
180°	6.34	6.34	5.79	180.0°	6.0°	1.00	1.00
153.2° (r)	7.32	6.54	6.48	123.1°	7.9°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.38	3.69	18.22	37.9°	22.4°	0.90	0.86
70°	7.99	2.73	17.61	43.5°	22.5°	0.88	0.83
75°	8.17	2.11	17.17	46.7°	22.4°	0.89	0.83
80°	8.31	1.44	16.67	49.9°	22.4°	0.89	0.85
90°	8.61	0.00	15.60	56.5°	22.2°	0.93	0.83
110°	9.08	3.11	13.06	71.0°	21.6°	1.00	1.00
120°	8.97	4.48	11.96	81.0°	15.9°	1.00	1.00
135°	8.61	6.09	9.94	98.3°	11.9°	1.00	1.00
150°	8.15	7.06	8.14	120.6°	9.4°	1.00	1.00
165°	7.48	7.22	7.20	149.6°	7.1°	1.00	1.00
180°	7.18	7.18	6.97	180.0°	6.1°	1.00	1.00
160.4° (r)	7.68	7.23	7.38	140.4°	7.5°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.49	3.74	19.99	39.4°	22.8°	0.85	0.78
70°	8.05	2.75	19.27	45.6°	23.0°	0.85	0.74
75°	8.24	2.13	18.82	48.9°	22.6°	0.85	0.77
80°	8.40	1.46	18.29	52.4°	22.4°	0.85	0.79
90°	8.76	0.00	17.14	59.3°	22.4°	0.86	0.85
110°	9.37	3.20	14.54	74.6°	22.1°	0.97	0.94
120°	9.47	4.73	13.45	84.1°	17.3°	1.00	1.00
135°	9.03	6.38	11.47	102.3°	12.6°	1.00	1.00
150°	8.56	7.41	9.68	124.5°	10.3°	1.00	1.00
165°	8.09	7.82	8.62	151.2°	7.5°	1.00	1.00
180°	7.88	7.88	8.30	180.0°	6.2°	1.00	1.00
180.0° (r)	7.88	7.88	8.30	180.0°	6.2°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	-0.01	-0.01	18.08	56.8°	28.0°	0.85	0.62
70°	-0.01	0.00	17.76	67.6°	28.0°	0.85	0.62
75°	-0.01	0.00	17.64	73.1°	28.0°	0.85	0.62
80°	-0.01	0.00	17.55	78.7°	28.0°	0.85	0.62
90°	8.81	0.00	20.25	64.2°	23.4°	0.85	0.62
110°	9.82	3.36	17.59	80.1°	22.0°	0.86	0.95
120°	10.23	5.12	16.17	89.4°	22.1°	0.97	0.95
135°	10.02	7.08	14.47	107.3°	15.3°	1.00	1.00
150°	9.38	8.12	12.85	129.4°	11.4°	1.00	1.00
165°	8.87	8.57	11.86	154.1°	8.8°	1.00	1.00
180°	8.72	8.72	11.50	180.0°	6.5°	1.00	1.00
180.0° (r)	8.72	8.72	11.50	180.0°	6.5°	1.00	1.00