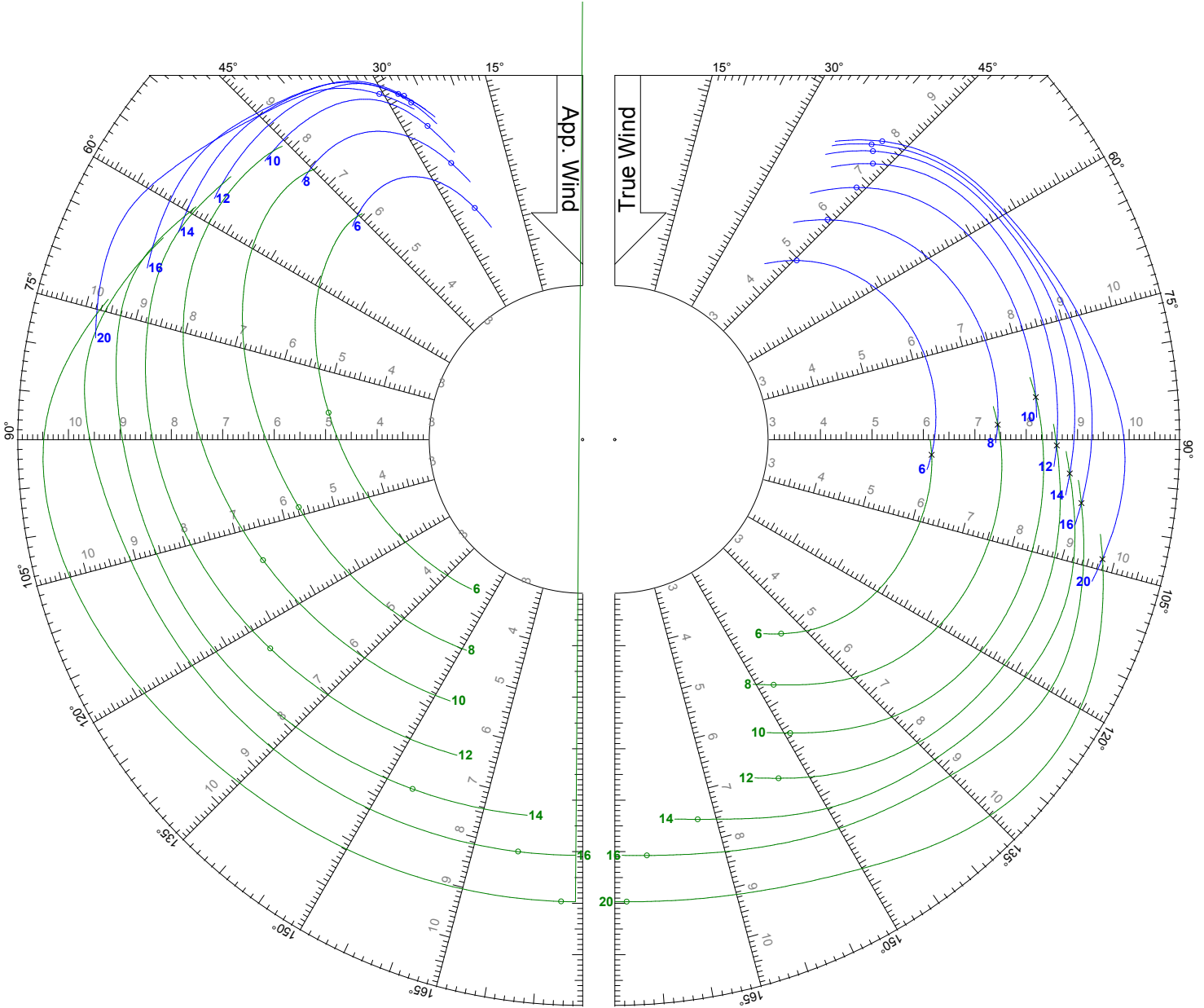




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# Speed Guide



Polar Plot for Boat	
Name	D13A_02_01
Sail Number	
Class	
Designer	
Builder	
Issued On	24/03/2014 - VPP 2014 1.00

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

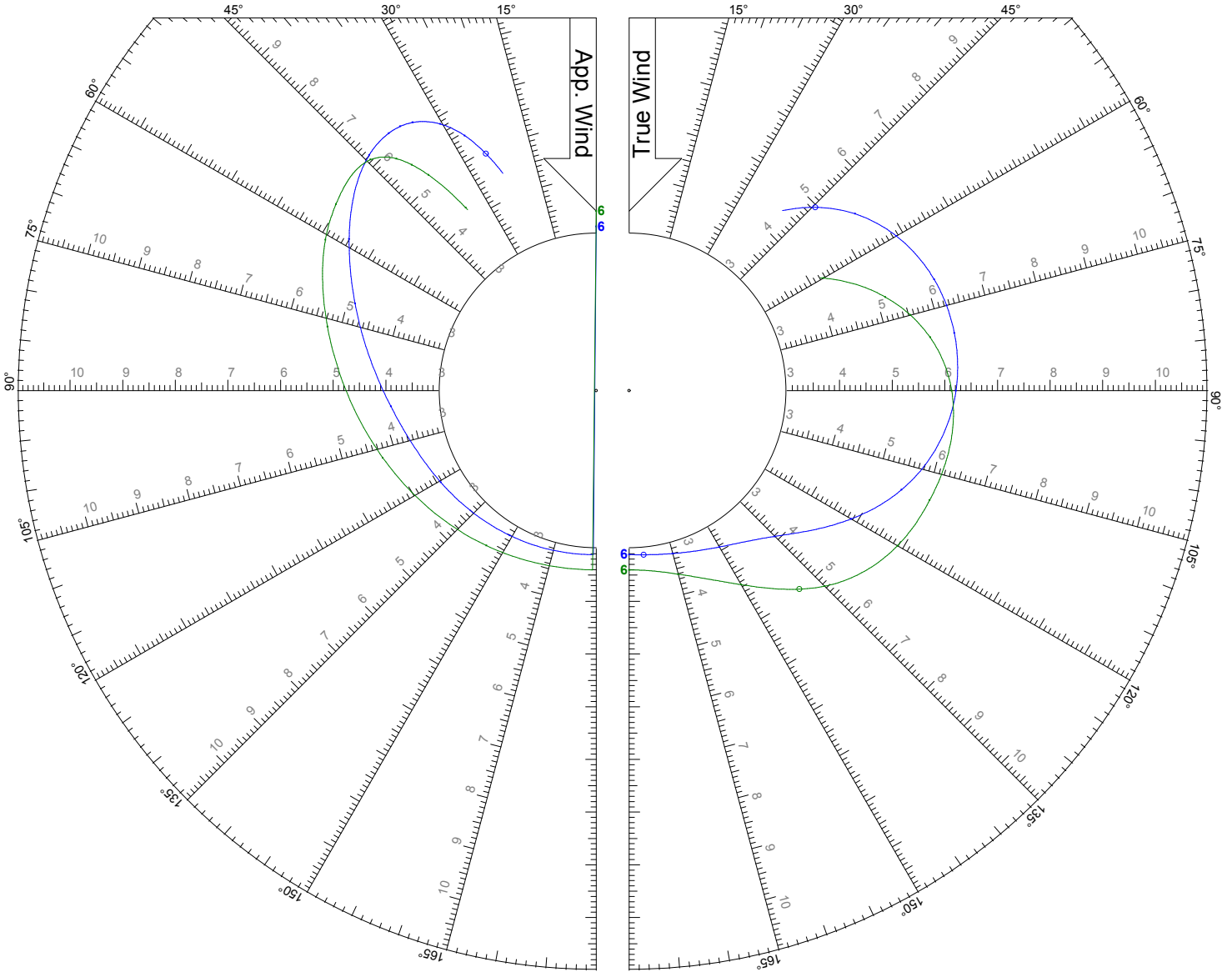
Jib

Symmetric Spinnaker



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# Speed Guide



Polar Plot for Boat	
Name	D13A_02_01
Sail Number	
Class	
Designer	
Builder	
Issued On	24/03/2014 - VPP 2014 1.00

TWS: 6 kts

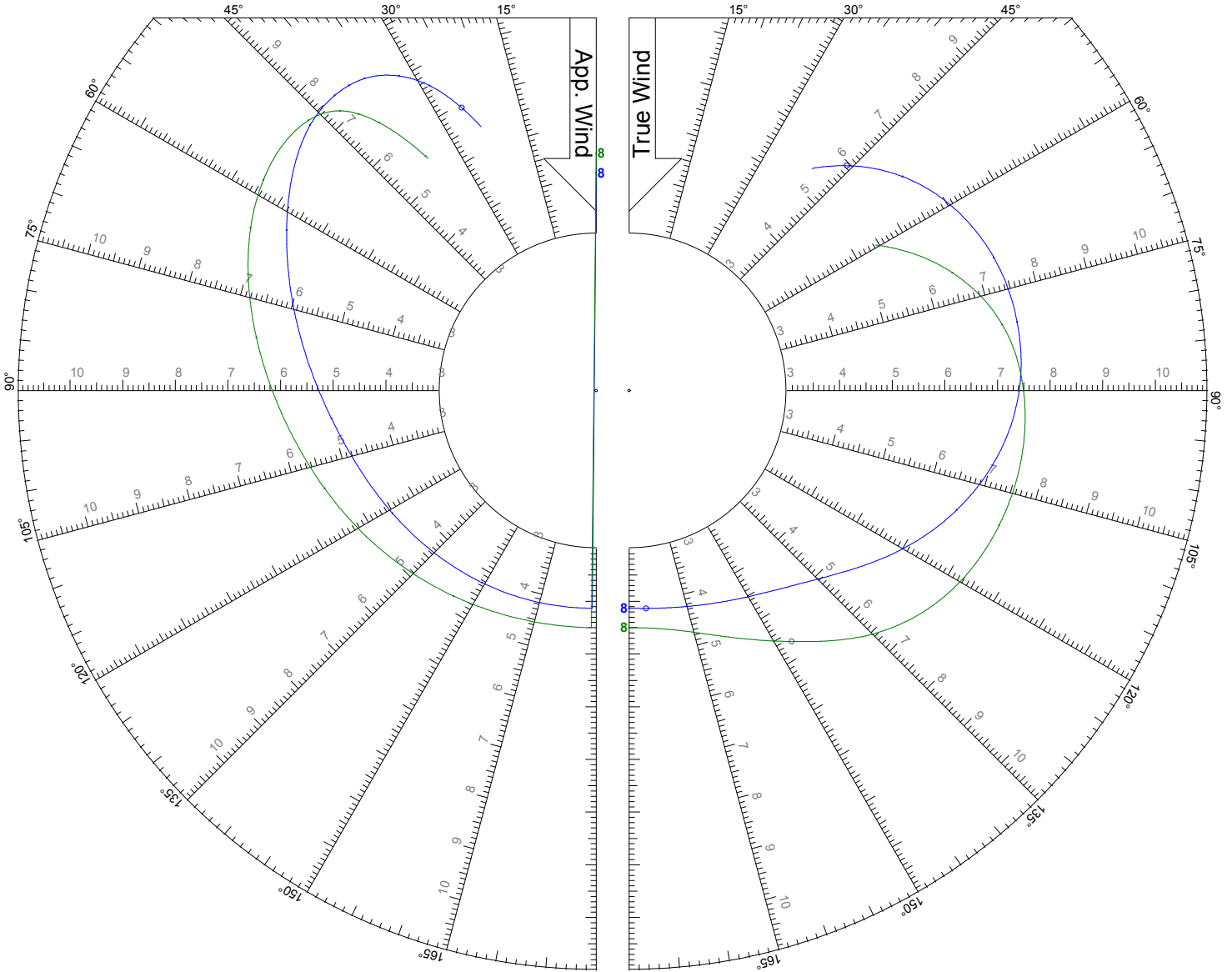
Jib

Symmetric Spinnaker



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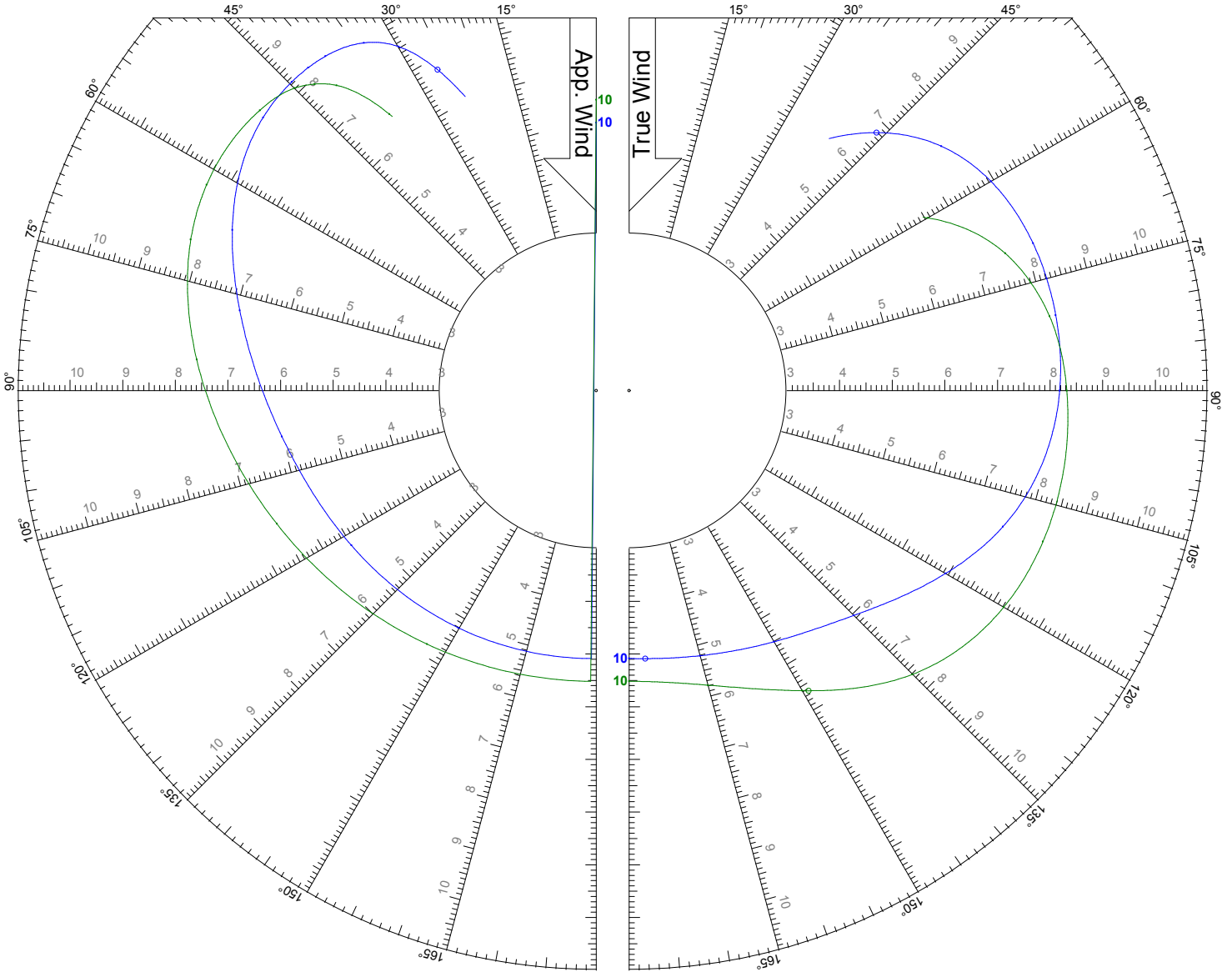
Polar Plot for Boat	
Name	D13A_02_01
Sail Number	
Class	
Designer	
Builder	
Issued On	24/03/2014 - VPP 2014 1.00

**TWS: 8 kts**  
**Jib**  
**Symmetric Spinnaker**



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Polar Plot for Boat	
Name	D13A_02_01
Sail Number	
Class	
Designer	
Builder	
Issued On	24/03/2014 - VPP 2014 1.00

TWS: 10 kts

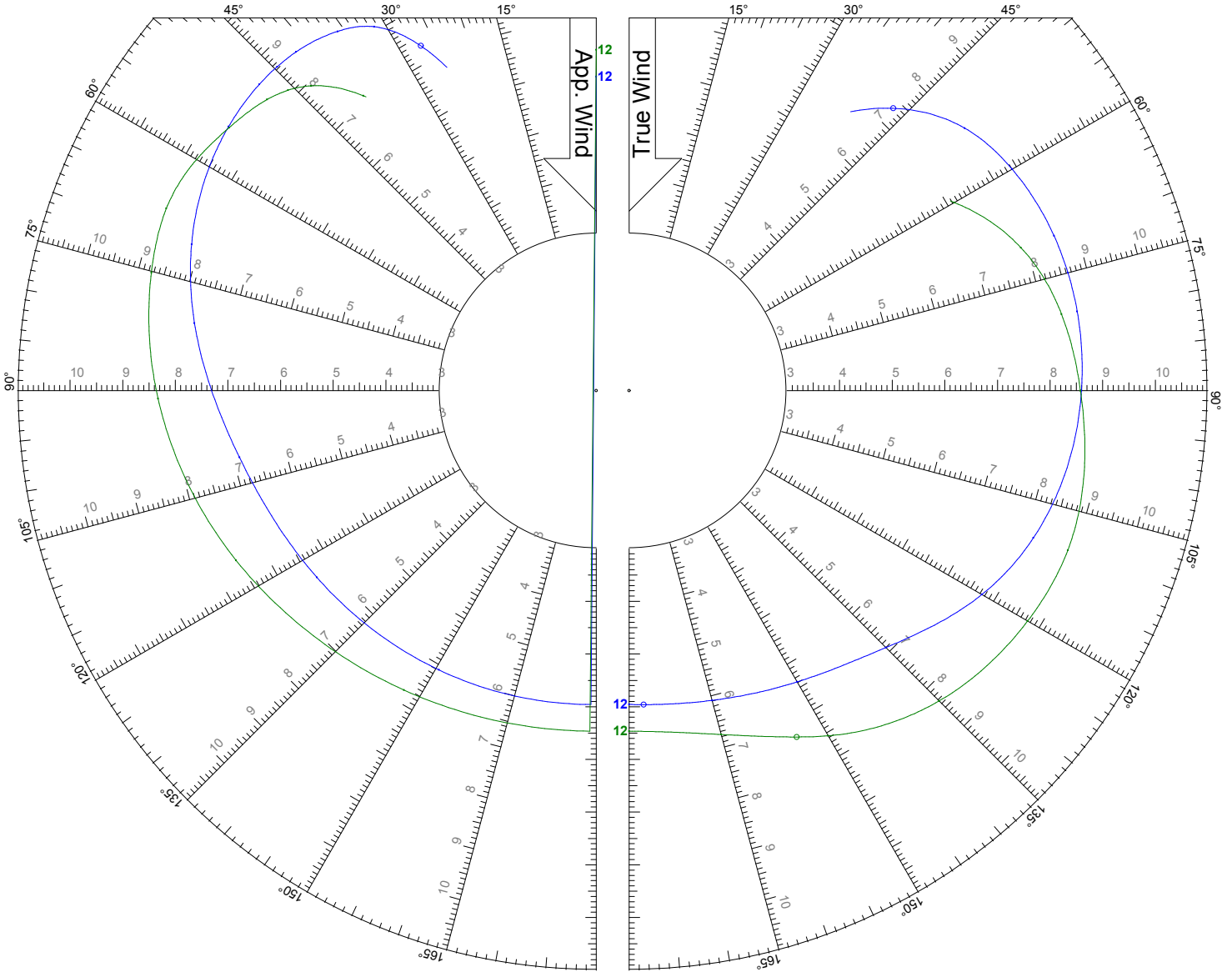
Jib

Symmetric Spinnaker



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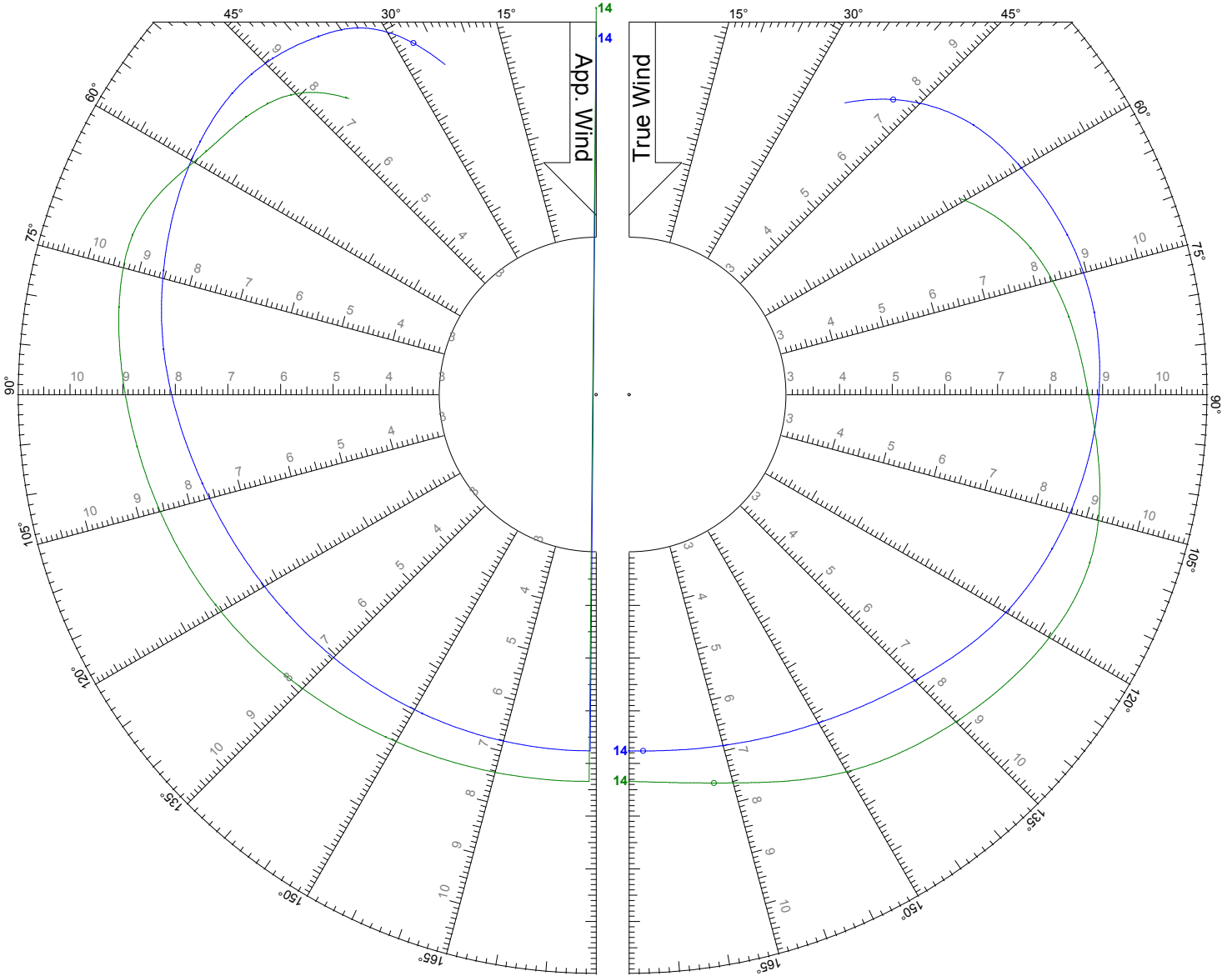
Polar Plot for Boat	
Name	D13A_02_01
Sail Number	
Class	
Designer	
Builder	
Issued On	24/03/2014 - VPP 2014 1.00

**TWS: 12 kts**  
**Jib**  
**Symmetric Spinnaker**



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Polar Plot for Boat	
Name	D13A_02_01
Sail Number	
Class	
Designer	
Builder	
Issued On	24/03/2014 - VPP 2014 1.00

TWS: 14 kts

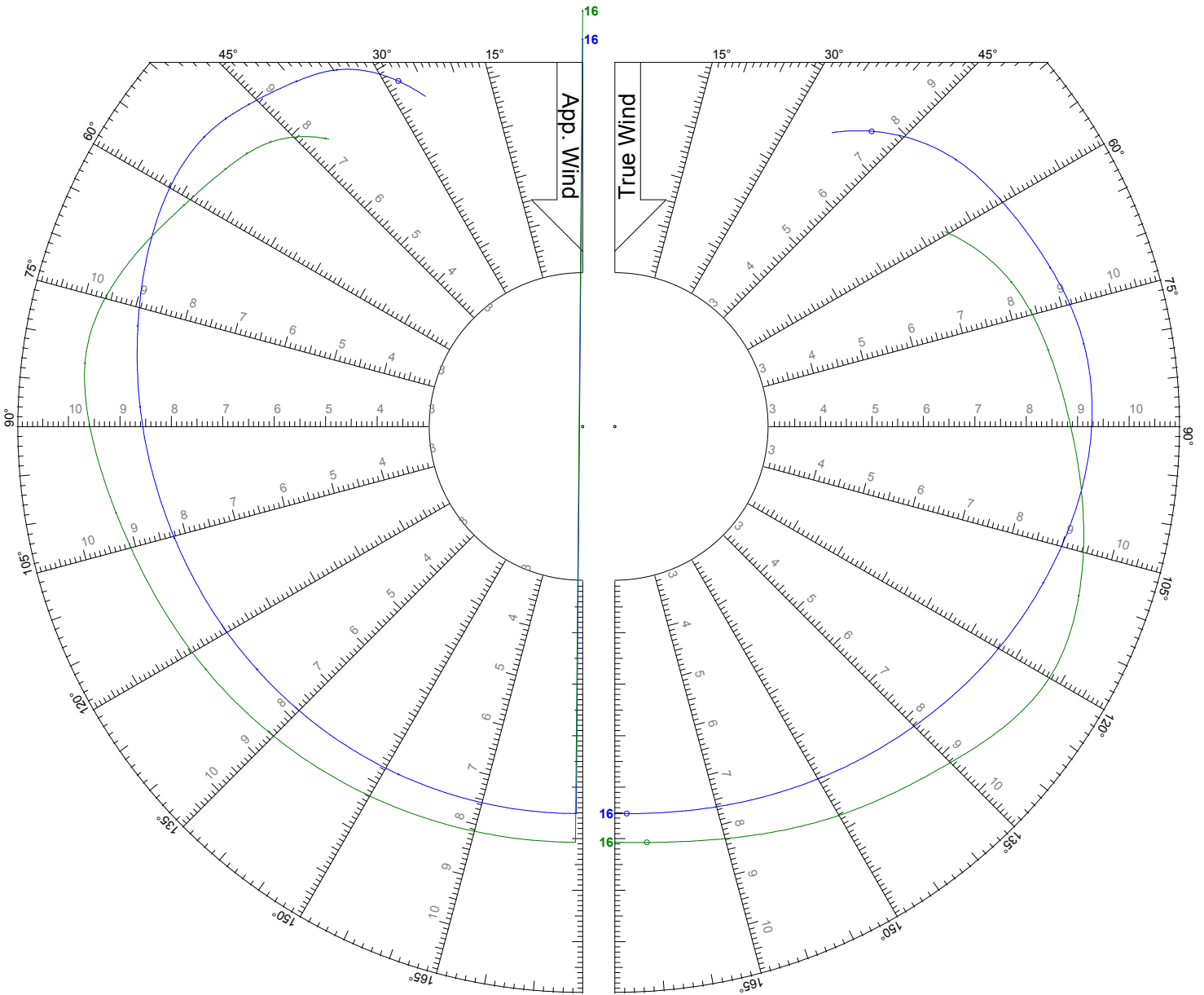
Jib

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# Speed Guide



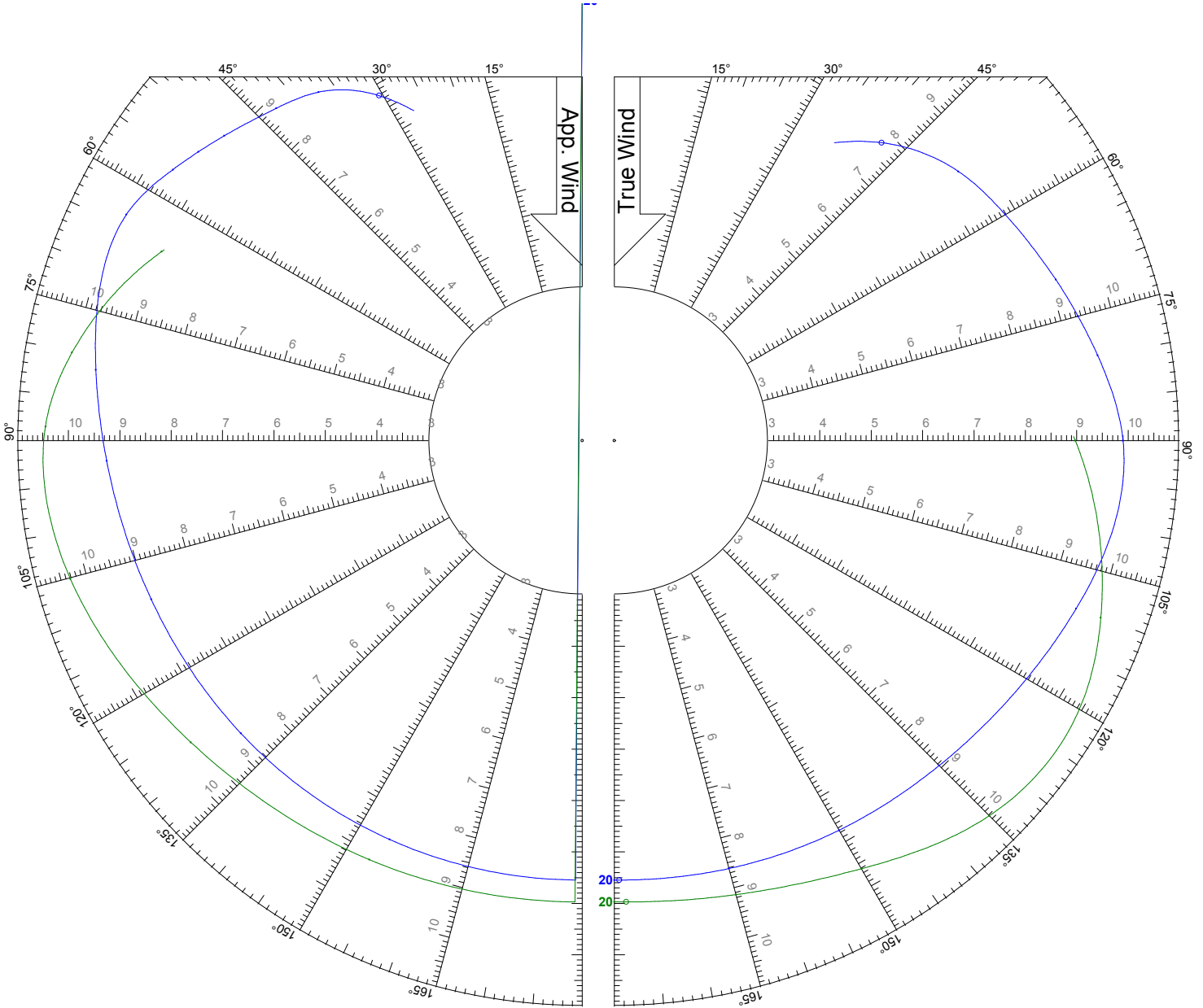
Polar Plot for Boat	
Name	D13A_02_01
Sail Number	
Class	
Designer	
Builder	
Issued On	24/03/2014 - VPP 2014 1.00

**TWS: 16 kts**  
**Jib**  
**Symmetric Spinnaker**



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Polar Plot for Boat	
Name	D13A_02_01
Sail Number	
Class	
Designer	
Builder	
Issued On	24/03/2014 - VPP 2014 1.00

TWS: 20 kts

Jib

Symmetric Spinnaker





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**Polar Tables**

Boat Name: **D13A\_02\_01**

Sail No:

Sail: **Best Performance**

Issued On: **24/03/2014 - VPP 2014 1.00**

TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
45.5° (b)	4.96	3.48	10.12	25.0°	3.6°	1.00	0.96
52°	5.45	3.35	10.29	27.3°	3.8°	1.00	0.97
60°	5.86	2.93	10.27	30.4°	3.9°	1.00	1.00
70°	6.17	2.11	9.97	34.4°	3.7°	1.00	1.00
75°	6.25	1.62	9.72	36.6°	3.5°	1.00	1.00
80°	6.28	1.09	9.41	38.9°	3.3°	1.00	1.00
90°	6.21	0.00	8.64	44.0°	2.8°	1.00	1.00
110°	6.08	2.08	6.93	54.5°	11.7°	1.00	1.00
120°	5.89	2.94	5.95	60.9°	11.1°	1.00	1.00
135°	5.25	3.71	4.36	76.6°	9.1°	1.00	1.00
150°	4.25	3.68	3.15	107.5°	7.4°	1.00	1.00
165°	3.61	3.48	2.68	144.6°	6.8°	1.00	1.00
180°	3.40	3.40	2.60	0.0°	6.6°	1.00	1.00
139.4° (r)	4.97	3.77	3.93	84.0°	8.4°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.1° (b)	5.94	4.27	12.95	25.5°	6.7°	1.00	0.95
52°	6.59	4.06	13.13	28.7°	7.4°	1.00	0.97
60°	7.05	3.52	13.04	32.1°	7.6°	1.00	1.00
70°	7.38	2.52	12.60	36.6°	6.3°	1.00	1.00
75°	7.46	1.93	12.27	39.0°	5.5°	1.00	1.00
80°	7.49	1.30	11.87	41.6°	5.0°	1.00	1.00
90°	7.50	0.00	10.96	46.9°	15.8°	1.00	1.00
110°	7.48	2.56	8.89	57.7°	13.4°	1.00	1.00
120°	7.26	3.63	7.66	64.8°	12.1°	1.00	1.00
135°	6.54	4.62	5.73	81.1°	10.5°	1.00	1.00
150°	5.49	4.75	4.25	109.8°	8.1°	1.00	1.00
165°	4.75	4.59	3.63	145.2°	7.1°	1.00	1.00
180°	4.50	4.50	3.50	0.0°	6.6°	1.00	1.00
147.0° (r)	5.68	4.76	4.48	103.4°	8.4°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.9° (b)	6.79	4.90	15.62	26.3°	13.5°	1.00	0.95
52°	7.53	4.64	15.79	29.9°	14.5°	1.00	0.97
60°	7.94	3.97	15.57	33.8°	14.4°	1.00	1.00
70°	8.17	2.79	14.92	39.0°	11.9°	1.00	1.00
75°	8.22	2.13	14.49	41.8°	10.4°	1.00	1.00
80°	8.23	1.43	14.01	44.6°	8.8°	1.00	1.00
90°	8.32	0.00	13.01	50.2°	20.0°	1.00	0.98
110°	8.37	2.86	10.62	62.2°	15.8°	1.00	1.00
120°	8.22	4.11	9.24	69.6°	13.2°	1.00	1.00
135°	7.62	5.39	7.09	85.6°	11.2°	1.00	1.00
150°	6.58	5.70	5.42	112.6°	8.9°	1.00	1.00
165°	5.79	5.59	4.66	146.2°	7.4°	1.00	1.00
180°	5.52	5.52	4.48	0.0°	6.7°	1.00	1.00
149.1° (r)	6.64	5.70	5.49	110.7°	9.1°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.1° (b)	7.34	5.36	18.07	27.0°	20.8°	1.00	0.92
52°	8.09	4.98	18.14	31.4°	22.0°	1.00	0.94
60°	8.40	4.20	17.76	35.8°	21.1°	1.00	0.97
70°	8.59	2.94	16.98	41.6°	18.2°	1.00	1.00
75°	8.63	2.23	16.50	44.6°	15.8°	1.00	1.00
80°	8.65	1.50	15.96	47.8°	13.4°	1.00	1.00
90°	8.60	0.00	14.76	54.4°	8.7°	1.00	1.00
110°	8.87	3.03	12.24	67.1°	17.3°	1.00	1.00
120°	8.75	4.37	10.75	75.2°	15.0°	1.00	1.00
135°	8.33	5.89	8.49	91.0°	11.8°	1.00	1.00
150°	7.57	6.55	6.63	115.2°	10.0°	1.00	1.00
165°	6.76	6.53	5.75	147.3°	7.8°	1.00	1.00
180°	6.46	6.46	5.54	0.0°	6.8°	1.00	1.00
154.2° (r)	7.30	6.57	6.29	123.7°	9.2°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.9° (b)	7.52	5.60	20.23	27.5°	22.2°	1.00	0.78
52°	8.31	5.11	20.20	33.1°	24.6°	1.00	0.83
60°	8.61	4.30	19.76	37.8°	26.0°	1.00	0.90
70°	8.86	3.03	18.96	43.9°	24.2°	1.00	0.96
75°	8.94	2.31	18.46	47.1°	22.8°	1.00	1.00
80°	8.98	1.56	17.89	50.4°	19.1°	1.00	1.00
90°	8.93	0.00	16.60	57.5°	12.4°	1.00	1.00
110°	9.32	3.19	13.91	71.0°	21.8°	1.00	0.97
120°	9.22	4.61	12.33	79.6°	16.2°	1.00	1.00
135°	8.78	6.21	9.96	96.4°	12.5°	1.00	1.00
150°	8.26	7.16	7.99	118.9°	10.7°	1.00	1.00
165°	7.63	7.37	6.92	148.4°	8.4°	1.00	1.00
180°	7.34	7.34	6.66	0.0°	7.0°	1.00	1.00
167.7° (r)	7.54	7.37	6.82	154.0°	8.0°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.1° (b)	7.60	5.73	22.30	28.1°	22.8°	1.00	0.67
52°	8.42	5.18	22.20	34.6°	25.7°	1.00	0.72
60°	8.71	4.35	21.71	39.7°	26.8°	1.00	0.78
70°	9.01	3.08	20.88	46.1°	27.8°	1.00	0.89
75°	9.16	2.37	20.39	49.3°	27.5°	1.00	0.94
80°	9.26	1.61	19.83	52.6°	25.2°	1.00	0.98
90°	9.27	0.00	18.49	59.9°	17.1°	1.00	1.00
110°	9.60	3.28	15.59	74.6°	22.0°	0.95	0.94
120°	9.76	4.88	13.97	82.8°	18.5°	1.00	1.00
135°	9.23	6.52	11.50	100.5°	13.4°	1.00	1.00
150°	8.72	7.55	9.51	122.7°	11.2°	1.00	1.00
165°	8.28	8.00	8.28	150.0°	9.0°	1.00	1.00
180°	8.07	8.07	7.93	0.0°	7.1°	1.00	1.00
175.6° (r)	8.10	8.07	7.95	171.1°	7.5°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.9° (b)	7.78	5.79	26.31	30.5°	24.5°	0.83	0.57
52°	8.50	5.23	26.11	37.1°	25.6°	0.92	0.57
60°	8.79	4.39	25.55	42.7°	27.4°	1.00	0.60
70°	9.14	3.13	24.67	49.6°	29.3°	1.00	0.69
75°	9.34	2.42	24.17	53.1°	30.0°	1.00	0.76
80°	9.55	1.66	23.61	56.5°	30.4°	1.00	0.83
90°	9.90	0.00	22.32	63.7°	28.3°	1.00	0.97
110°	10.08	3.45	19.07	80.2°	22.0°	0.85	0.94
120°	10.45	5.23	17.33	88.5°	22.0°	0.94	0.96
135°	10.32	7.30	14.65	105.1°	16.1°	1.00	1.00
150°	9.61	8.33	12.62	127.6°	12.2°	1.00	1.00
165°	9.14	8.83	11.42	153.0°	10.5°	1.00	1.00
180°	8.97	8.97	11.03	0.0°	7.5°	1.00	1.00
178.5° (r)	8.98	8.97	11.03	177.3°	7.7°	1.00	1.00



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**Polar Tables**

Boat Name: **D13A\_02\_01**

Sail No:

Sail: **Jib**

Issued On: **24/03/2014 - VPP 2014 1.00**

TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
45.5° (b)	4.96	3.48	10.04	24.8°	3.6°	1.00	0.96
52°	5.45	3.35	10.22	27.1°	3.8°	1.00	0.97
60°	5.86	2.93	10.20	30.1°	3.9°	1.00	1.00
70°	6.17	2.11	9.90	34.1°	3.7°	1.00	1.00
75°	6.25	1.62	9.65	36.3°	3.5°	1.00	1.00
80°	6.28	1.09	9.34	38.6°	3.3°	1.00	1.00
90°	6.21	0.00	8.58	43.6°	2.8°	1.00	1.00
110°	5.51	1.88	6.56	58.0°	1.6°	1.00	1.00
120°	4.87	2.44	5.47	69.6°	1.1°	1.00	1.00
135°	3.91	2.77	4.20	93.8°	0.6°	1.00	1.00
150°	3.43	2.97	3.42	119.9°	0.4°	1.00	1.00
165°	3.20	3.09	2.95	148.7°	0.2°	1.00	1.00
180°	3.11	3.11	2.81	180.0°	0.1°	1.00	1.00
174.9° (r)	3.13	3.12	2.82	169.2°	0.1°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.1° (b)	5.94	4.27	12.83	25.2°	6.7°	1.00	0.95
52°	6.59	4.06	13.01	28.3°	7.4°	1.00	0.97
60°	7.05	3.52	12.91	31.6°	7.6°	1.00	1.00
70°	7.38	2.52	12.49	36.2°	6.3°	1.00	1.00
75°	7.46	1.93	12.16	38.6°	5.5°	1.00	1.00
80°	7.49	1.30	11.77	41.2°	5.0°	1.00	1.00
90°	7.41	0.00	10.82	46.7°	4.0°	1.00	1.00
110°	6.63	2.27	8.39	62.1°	2.3°	1.00	1.00
120°	6.01	3.00	7.14	73.3°	1.6°	1.00	1.00
135°	5.06	3.58	5.61	95.4°	0.9°	1.00	1.00
150°	4.52	3.91	4.58	120.5°	0.7°	1.00	1.00
165°	4.24	4.10	3.96	148.9°	0.4°	1.00	1.00
180°	4.13	4.13	3.77	180.0°	0.1°	1.00	1.00
175.6° (r)	4.15	4.13	3.78	170.7°	0.2°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.9° (b)	6.79	4.90	15.38	25.5°	13.5°	1.00	0.95
52°	7.53	4.64	15.51	28.9°	14.5°	1.00	0.97
60°	7.94	3.97	15.27	32.7°	14.4°	1.00	1.00
70°	8.17	2.79	14.66	38.1°	11.9°	1.00	1.00
75°	8.22	2.13	14.27	41.0°	10.4°	1.00	1.00
80°	8.23	1.43	13.82	44.0°	8.8°	1.00	1.00
90°	8.18	0.00	12.78	50.2°	5.6°	1.00	1.00
110°	7.56	2.58	10.17	65.7°	2.9°	1.00	1.00
120°	6.94	3.47	8.78	76.8°	2.1°	1.00	1.00
135°	6.04	4.27	7.04	97.7°	1.3°	1.00	1.00
150°	5.50	4.77	5.80	121.7°	1.0°	1.00	1.00
165°	5.21	5.03	5.03	149.4°	0.6°	1.00	1.00
180°	5.08	5.08	4.79	180.0°	0.1°	1.00	1.00
176.5° (r)	5.10	5.09	4.80	172.8°	0.3°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.1° (b)	7.34	5.36	17.58	25.3°	20.8°	1.00	0.92
52°	8.09	4.98	17.54	29.2°	22.0°	1.00	0.94
60°	8.40	4.20	17.13	33.6°	21.1°	1.00	0.97
70°	8.59	2.94	16.41	39.8°	18.2°	1.00	1.00
75°	8.63	2.23	16.01	43.1°	15.8°	1.00	1.00
80°	8.65	1.50	15.56	46.6°	13.4°	1.00	1.00
90°	8.60	0.00	14.51	53.7°	8.7°	1.00	1.00
110°	8.18	2.80	11.85	69.6°	3.6°	1.00	1.00
120°	7.74	3.87	10.41	79.9°	2.6°	1.00	1.00
135°	6.90	4.88	8.51	100.0°	1.8°	1.00	1.00
150°	6.38	5.53	7.08	123.2°	1.3°	1.00	1.00
165°	6.09	5.88	6.18	150.2°	0.8°	1.00	1.00
180°	5.96	5.96	5.89	180.0°	0.2°	1.00	1.00
177.3° (r)	5.97	5.96	5.90	174.6°	0.3°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.9° (b)	7.52	5.60	19.61	25.5°	22.2°	1.00	0.78
52°	8.31	5.11	19.35	30.3°	24.6°	1.00	0.83
60°	8.61	4.30	18.71	34.5°	26.0°	1.00	0.90
70°	8.86	3.03	17.88	40.8°	24.2°	1.00	0.96
75°	8.94	2.31	17.43	44.3°	22.8°	1.00	1.00
80°	8.98	1.56	17.08	48.3°	19.1°	1.00	1.00
90°	8.93	0.00	16.15	56.4°	12.4°	1.00	1.00
110°	8.56	2.93	13.50	73.5°	4.3°	1.00	1.00
120°	8.27	4.13	12.03	83.5°	3.2°	1.00	1.00
135°	7.67	5.42	9.99	102.2°	2.3°	1.00	1.00
150°	7.19	6.23	8.40	124.7°	1.7°	1.00	1.00
165°	6.90	6.66	7.38	151.0°	1.1°	1.00	1.00
180°	6.76	6.76	7.06	180.0°	0.3°	1.00	1.00
177.8° (r)	6.77	6.76	7.07	175.6°	0.4°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.1° (b)	7.60	5.73	21.56	26.0°	22.8°	1.00	0.67
52°	8.42	5.18	21.12	31.6°	25.7°	1.00	0.72
60°	8.71	4.35	20.40	36.1°	26.8°	1.00	0.78
70°	9.01	3.08	19.28	42.0°	27.8°	1.00	0.89
75°	9.16	2.37	18.73	45.3°	27.5°	1.00	0.94
80°	9.26	1.61	18.32	49.2°	25.2°	1.00	0.98
90°	9.27	0.00	17.64	58.3°	17.1°	1.00	1.00
110°	8.87	3.03	15.17	76.8°	5.4°	1.00	1.00
120°	8.62	4.31	13.67	87.0°	3.9°	1.00	1.00
135°	8.23	5.82	11.54	104.8°	2.8°	1.00	1.00
150°	7.90	6.84	9.79	126.2°	2.1°	1.00	1.00
165°	7.64	7.38	8.65	151.8°	1.4°	1.00	1.00
180°	7.51	7.51	8.29	180.0°	0.4°	1.00	1.00
178.2° (r)	7.52	7.51	8.29	176.6°	0.5°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.9° (b)	7.78	5.79	24.79	27.8°	24.5°	0.83	0.57
52°	8.50	5.23	24.51	33.9°	25.6°	0.92	0.57
60°	8.79	4.39	23.77	38.9°	27.4°	1.00	0.60
70°	9.14	3.13	22.38	45.2°	29.3°	1.00	0.69
75°	9.34	2.42	21.63	48.4°	30.0°	1.00	0.76
80°	9.55	1.66	20.89	51.8°	30.4°	1.00	0.83
90°	9.90	0.00	19.74	59.9°	28.3°	1.00	0.97
110°	9.56	3.27	18.37	81.1°	11.3°	1.00	1.00
120°	9.26	4.63	16.98	92.0°	6.7°	1.00	1.00
135°	8.94	6.32	14.80	109.8°	4.3°	1.00	1.00
150°	8.75	7.58	12.92	130.3°	3.2°	1.00	1.00
165°	8.62	8.32	11.64	154.0°	2.1°	1.00	1.00
180°	8.55	8.55	11.21	180.0°	0.7°	1.00	1.00
179.4° (r)	8.55	8.55	11.21	178.9°	0.7°	1.00	1.00



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**Polar Tables**

Boat Name: **D13A\_02\_01**

Sail No:

Sail: **Symmetric Spinnaker**

Issued On: **24/03/2014 - VPP 2014 1.00**

**TWS = 6 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	4.27	2.13	8.92	35.1°	11.7°	1.00	0.96
70°	5.18	1.77	9.14	37.5°	12.3°	1.00	0.97
75°	5.53	1.43	9.11	38.8°	12.5°	1.00	0.97
80°	5.81	1.01	9.00	40.3°	12.6°	1.00	0.98
90°	6.13	0.00	8.51	43.9°	12.6°	1.00	0.99
110°	6.08	2.08	6.87	54.3°	11.7°	1.00	1.00
120°	5.89	2.94	5.89	60.9°	11.1°	1.00	1.00
135°	5.25	3.71	4.34	77.2°	9.1°	1.00	1.00
150°	4.25	3.68	3.17	108.4°	7.4°	1.00	1.00
165°	3.61	3.48	2.74	145.3°	6.8°	1.00	1.00
180°	3.40	3.40	2.67	180.0°	6.6°	1.00	1.00
139.4° (r)	4.97	3.77	3.92	84.7°	8.4°	1.00	1.00

**TWS = 8 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	5.50	2.75	11.70	35.4°	14.1°	1.00	0.96
70°	6.54	2.24	11.81	38.1°	15.5°	1.00	0.97
75°	6.92	1.79	11.71	39.7°	15.9°	1.00	0.97
80°	7.20	1.25	11.49	41.6°	16.0°	1.00	0.98
90°	7.50	0.00	10.78	46.0°	15.8°	1.00	1.00
110°	7.48	2.56	8.76	57.4°	13.4°	1.00	1.00
120°	7.26	3.63	7.56	64.8°	12.1°	1.00	1.00
135°	6.54	4.62	5.68	81.7°	10.5°	1.00	1.00
150°	5.49	4.75	4.28	110.8°	8.1°	1.00	1.00
165°	4.75	4.59	3.71	145.9°	7.1°	1.00	1.00
180°	4.50	4.50	3.59	180.0°	6.6°	1.00	1.00
147.0° (r)	5.68	4.76	4.49	104.3°	8.4°	1.00	1.00

**TWS = 10 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.55	3.28	14.27	35.7°	17.0°	1.00	0.96
70°	7.61	2.60	14.09	38.4°	21.6°	1.00	0.95
75°	7.90	2.05	13.80	40.5°	22.1°	1.00	0.93
80°	8.11	1.41	13.44	42.9°	22.0°	1.00	0.94
90°	8.32	0.00	12.57	48.6°	20.0°	1.00	0.98
110°	8.37	2.86	10.35	61.6°	15.8°	1.00	1.00
120°	8.22	4.11	9.08	69.5°	13.2°	1.00	1.00
135°	7.62	5.39	7.02	86.1°	11.2°	1.00	1.00
150°	6.58	5.70	5.45	113.6°	8.9°	1.00	1.00
165°	5.79	5.59	4.75	146.9°	7.4°	1.00	1.00
180°	5.52	5.52	4.60	180.0°	6.7°	1.00	1.00
149.1° (r)	6.64	5.70	5.52	111.6°	9.1°	1.00	1.00

**TWS = 12 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.13	3.57	16.23	36.2°	22.1°	0.95	0.92
70°	7.93	2.71	15.83	40.8°	22.2°	0.92	0.88
75°	8.17	2.12	15.46	43.3°	22.2°	0.91	0.93
80°	8.34	1.45	15.02	46.1°	22.2°	0.92	0.93
90°	8.58	0.00	13.99	52.2°	22.1°	0.94	0.93
110°	8.87	3.03	11.82	66.4°	17.3°	1.00	1.00
120°	8.75	4.37	10.47	75.0°	15.0°	1.00	1.00
135°	8.33	5.89	8.39	91.6°	11.8°	1.00	1.00
150°	7.57	6.55	6.65	116.2°	10.0°	1.00	1.00
165°	6.76	6.53	5.86	147.9°	7.8°	1.00	1.00
180°	6.46	6.46	5.68	180.0°	6.8°	1.00	1.00
154.2° (r)	7.30	6.57	6.35	124.7°	9.2°	1.00	1.00

**TWS = 14 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.37	3.69	18.01	37.7°	22.1°	0.85	0.92
70°	8.12	2.78	17.49	42.9°	22.2°	0.83	0.93
75°	8.34	2.16	17.07	45.9°	22.1°	0.83	0.93
80°	8.49	1.47	16.57	49.0°	22.1°	0.84	0.93
90°	8.73	0.00	15.45	55.6°	22.1°	0.86	0.93
110°	9.32	3.19	13.05	69.7°	21.8°	1.00	0.97
120°	9.22	4.61	11.92	79.5°	16.2°	1.00	1.00
135°	8.78	6.21	9.83	97.1°	12.5°	1.00	1.00
150°	8.26	7.16	8.01	119.8°	10.7°	1.00	1.00
165°	7.63	7.37	7.05	149.0°	8.4°	1.00	1.00
180°	7.34	7.34	6.82	180.0°	7.0°	1.00	1.00
167.7° (r)	7.54	7.37	6.96	154.5°	8.0°	1.00	1.00

**TWS = 16 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.50	3.75	19.77	39.2°	22.4°	0.82	0.81
70°	8.21	2.81	19.16	45.0°	22.5°	0.82	0.78
75°	8.41	2.18	18.69	48.2°	22.5°	0.82	0.80
80°	8.56	1.49	18.14	51.6°	22.4°	0.82	0.82
90°	8.87	0.00	16.96	58.5°	22.2°	0.82	0.89
110°	9.60	3.28	14.48	73.3°	22.0°	0.95	0.94
120°	9.76	4.88	13.32	82.6°	18.5°	1.00	1.00
135°	9.23	6.52	11.32	101.1°	13.4°	1.00	1.00
150°	8.72	7.55	9.52	123.7°	11.2°	1.00	1.00
165°	8.28	8.00	8.43	150.6°	9.0°	1.00	1.00
180°	8.07	8.07	8.12	180.0°	7.1°	1.00	1.00
175.6° (r)	8.10	8.07	8.13	171.3°	7.5°	1.00	1.00

**TWS = 20 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	-0.01	-0.01	17.93	57.2°	26.5°	0.82	0.60
70°	-0.01	0.00	17.65	67.9°	26.5°	0.82	0.60
75°	-0.01	0.00	17.54	73.4°	26.5°	0.82	0.60
80°	-0.01	0.00	17.47	78.9°	26.5°	0.82	0.60
90°	8.97	0.00	20.15	63.6°	22.4°	0.82	0.63
110°	10.08	3.45	17.41	78.8°	22.0°	0.85	0.94
120°	10.45	5.23	15.96	88.1°	22.0°	0.94	0.96
135°	10.32	7.30	14.23	106.0°	16.1°	1.00	1.00
150°	9.61	8.33	12.62	128.6°	12.2°	1.00	1.00
165°	9.14	8.83	11.58	153.6°	10.5°	1.00	1.00
180°	8.97	8.97	11.26	180.0°	7.5°	1.00	1.00
178.5° (r)	8.98	8.97	11.26	177.4°	7.7°	1.00	1.00