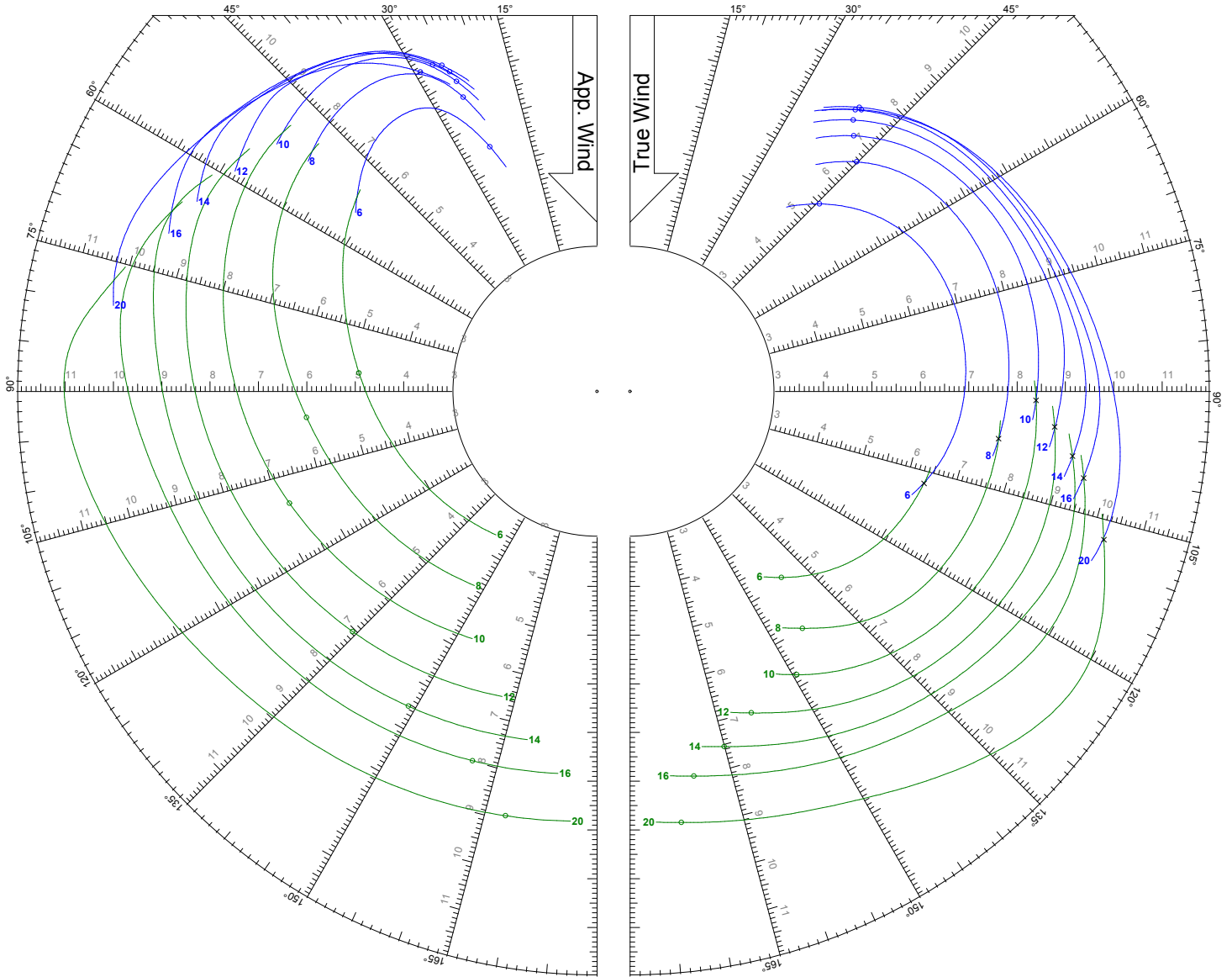




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# Speed Guide



## Polar Plot for Boat

Name **A430**  
Sail Number **SWE 1**  
Class **Arcona**  
Designer **S Qviberg**  
Builder **Arcona**  
Issued On **24/01/2013 - VPP 2011 1.02**

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

Jib

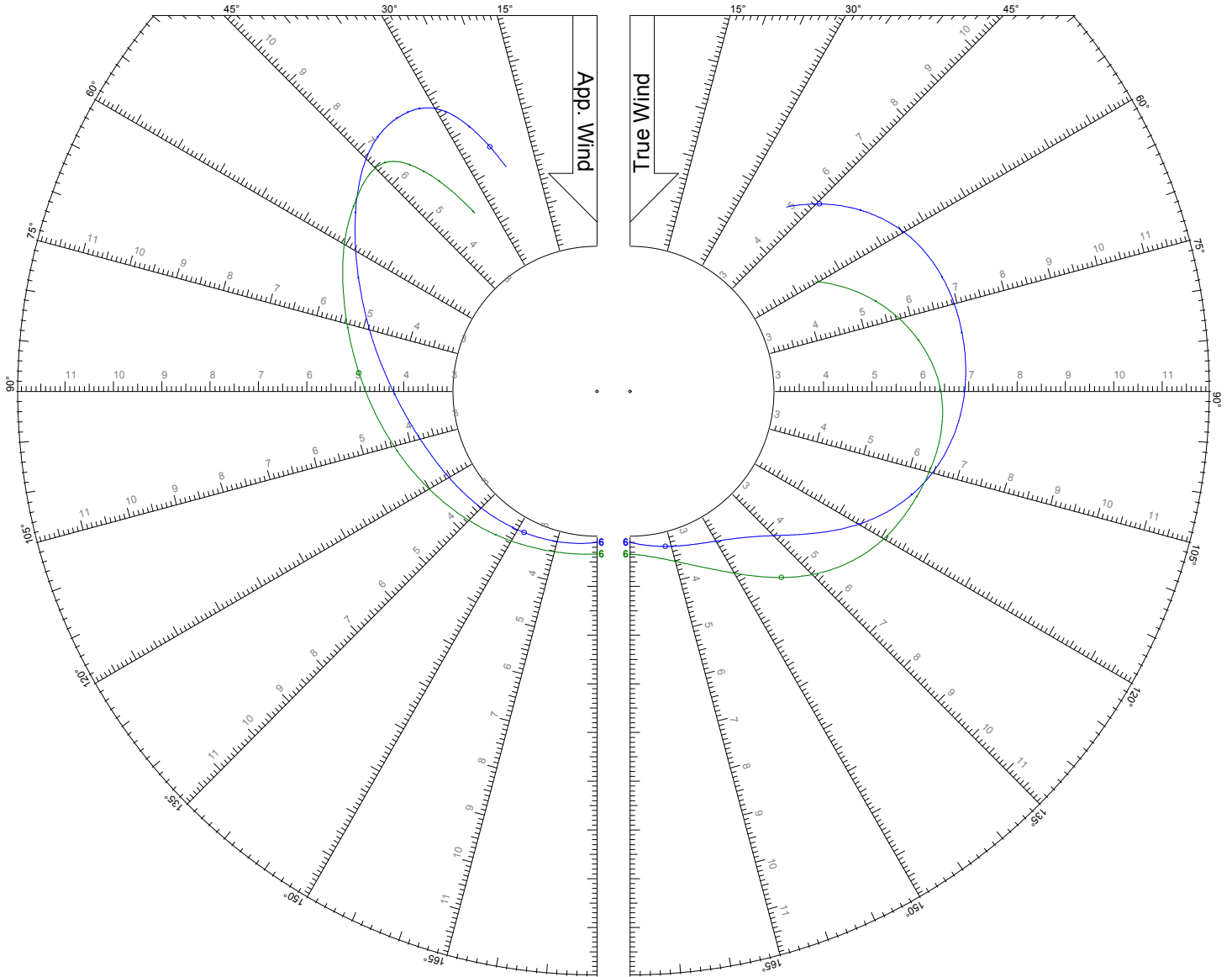
Symmetric Spinnaker



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# Speed Guide



## Polar Plot for Boat

Name **A430**  
Sail Number **SWE 1**  
Class **Arcona**  
Designer **S Qviberg**  
Builder **Arcona**  
Issued On **24/01/2013 - VPP 2011 1.02**

**TWS: 6 kts**

**Jib**

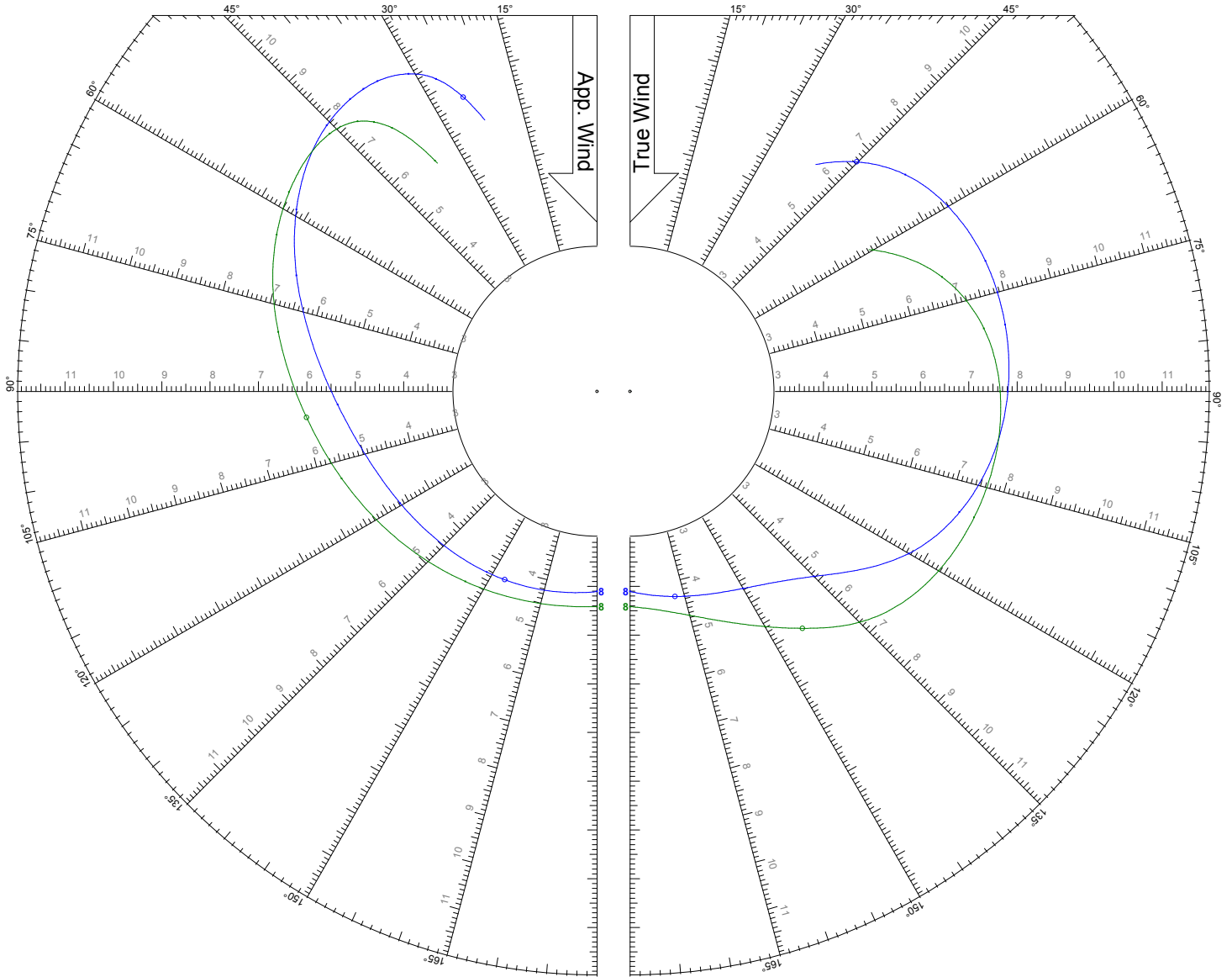
**Symmetric Spinnaker**



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# Speed Guide



Polar Plot for Boat	
Name	A430
Sail Number	SWE 1
Class	Arcona
Designer	S Qviberg
Builder	Arcona
Issued On	24/01/2013 - VPP 2011 1.02

TWS: 8 kts

Jib

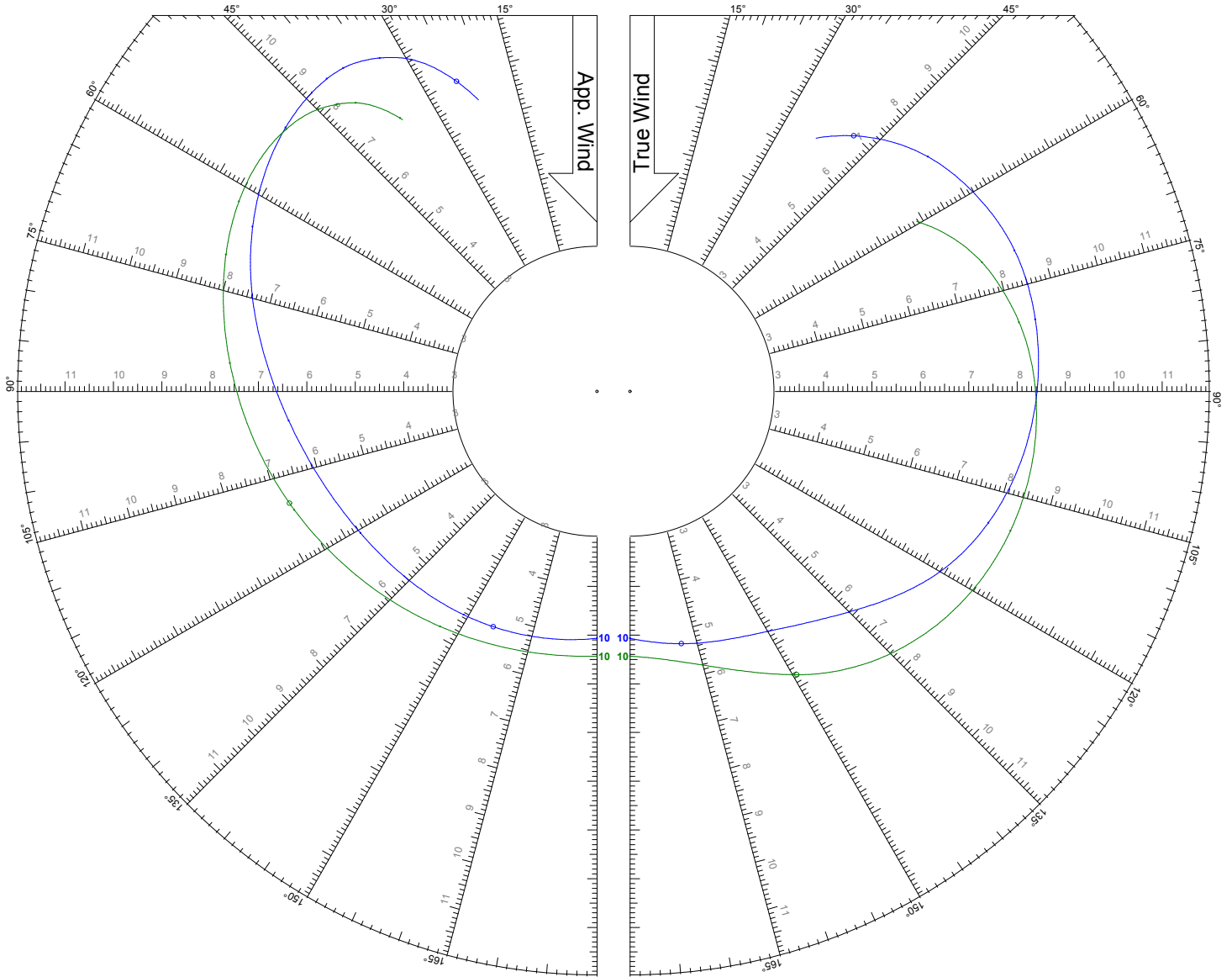
Symmetric Spinnaker



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# Speed Guide



Polar Plot for Boat	
Name	A430
Sail Number	SWE 1
Class	Arcona
Designer	S Qviberg
Builder	Arcona
Issued On	24/01/2013 - VPP 2011 1.02

TWS: 10 kts

Jib

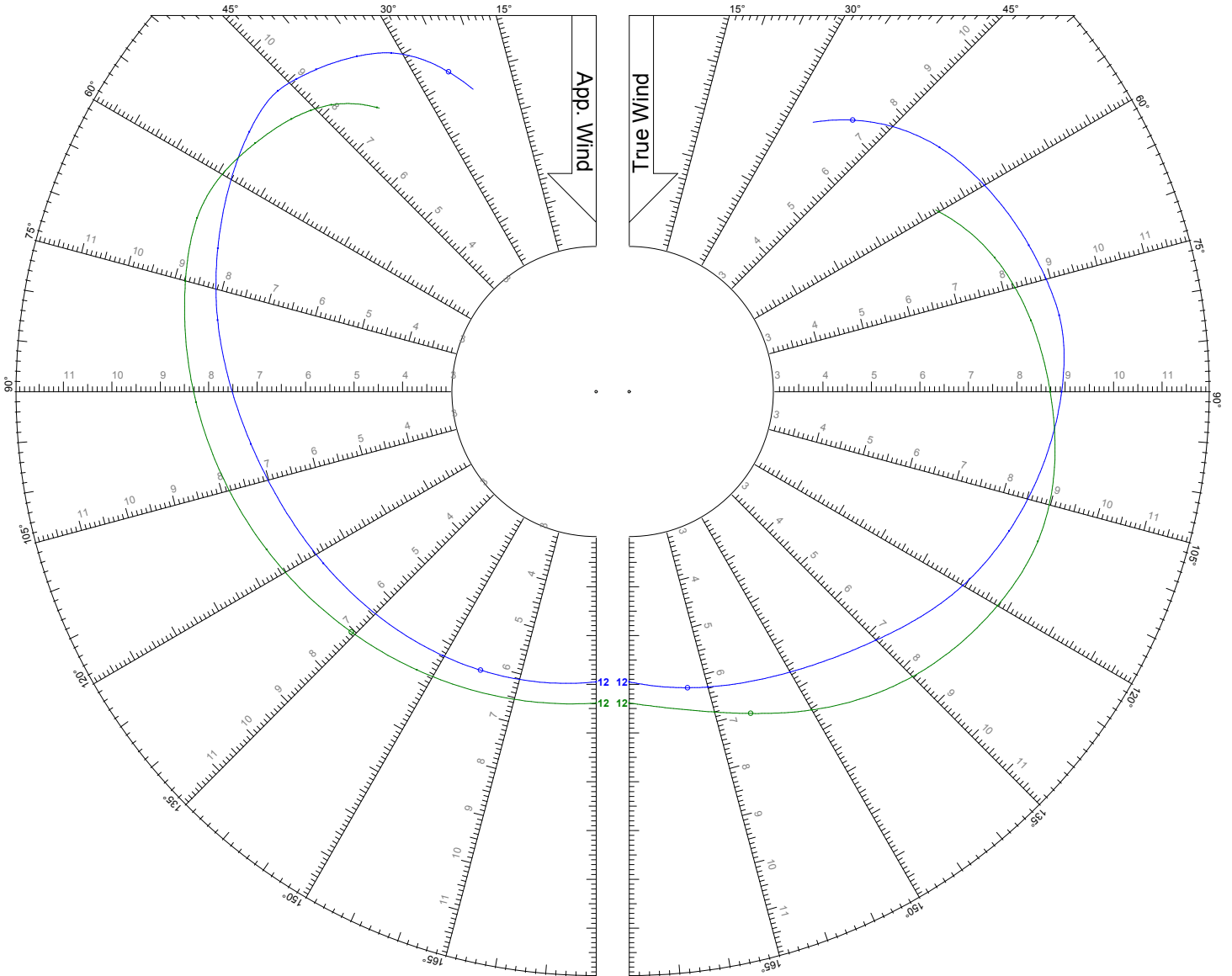
Symmetric Spinnaker



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Polar Plot for Boat	
Name	A430
Sail Number	SWE 1
Class	Arcona
Designer	S Qviberg
Builder	Arcona
Issued On	24/01/2013 - VPP 2011 1.02

TWS: 12 kts

Jib

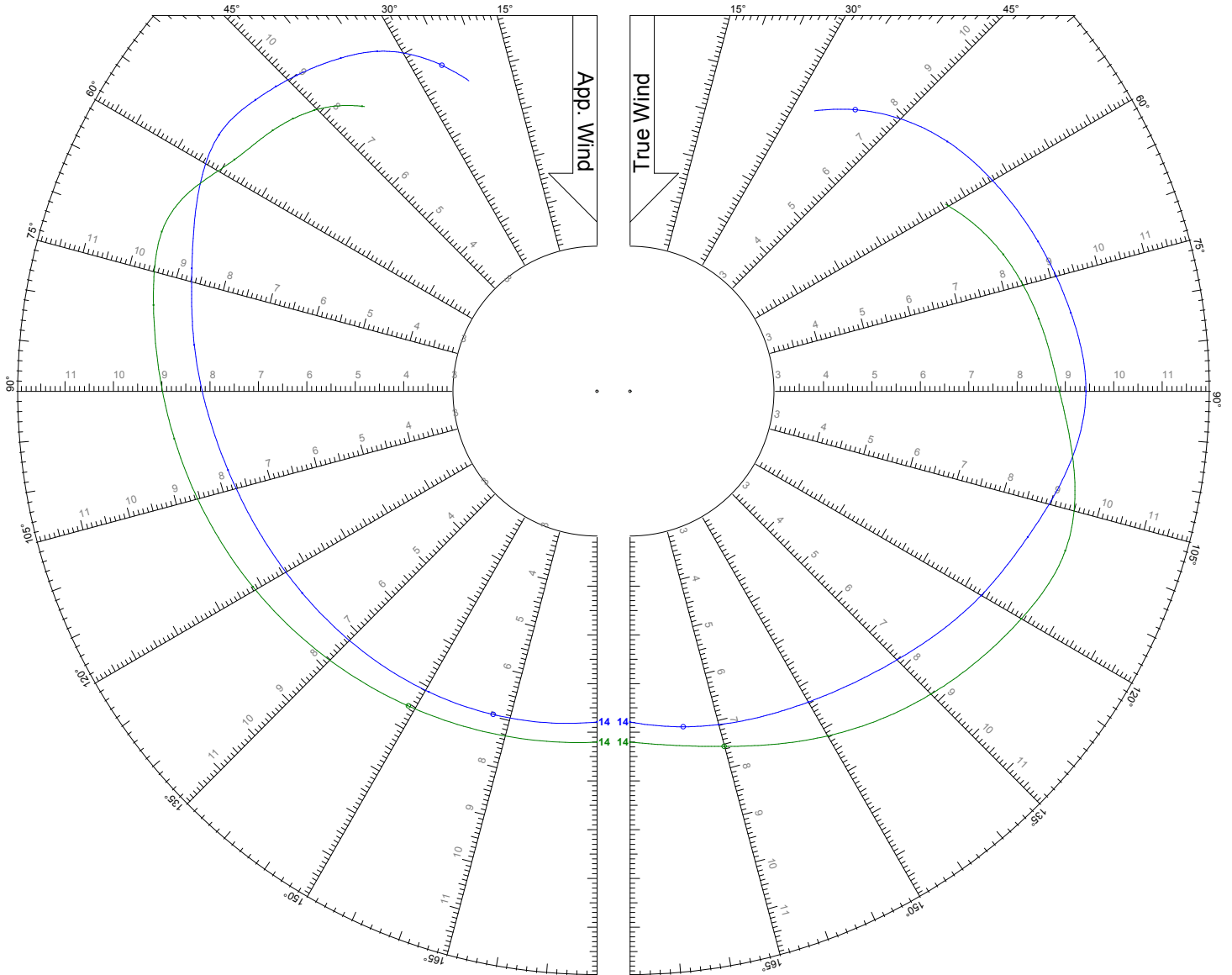
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Polar Plot for Boat	
Name	A430
Sail Number	SWE 1
Class	Arcona
Designer	S Qviberg
Builder	Arcona
Issued On	24/01/2013 - VPP 2011 1.02

TWS: 14 kts

Jib

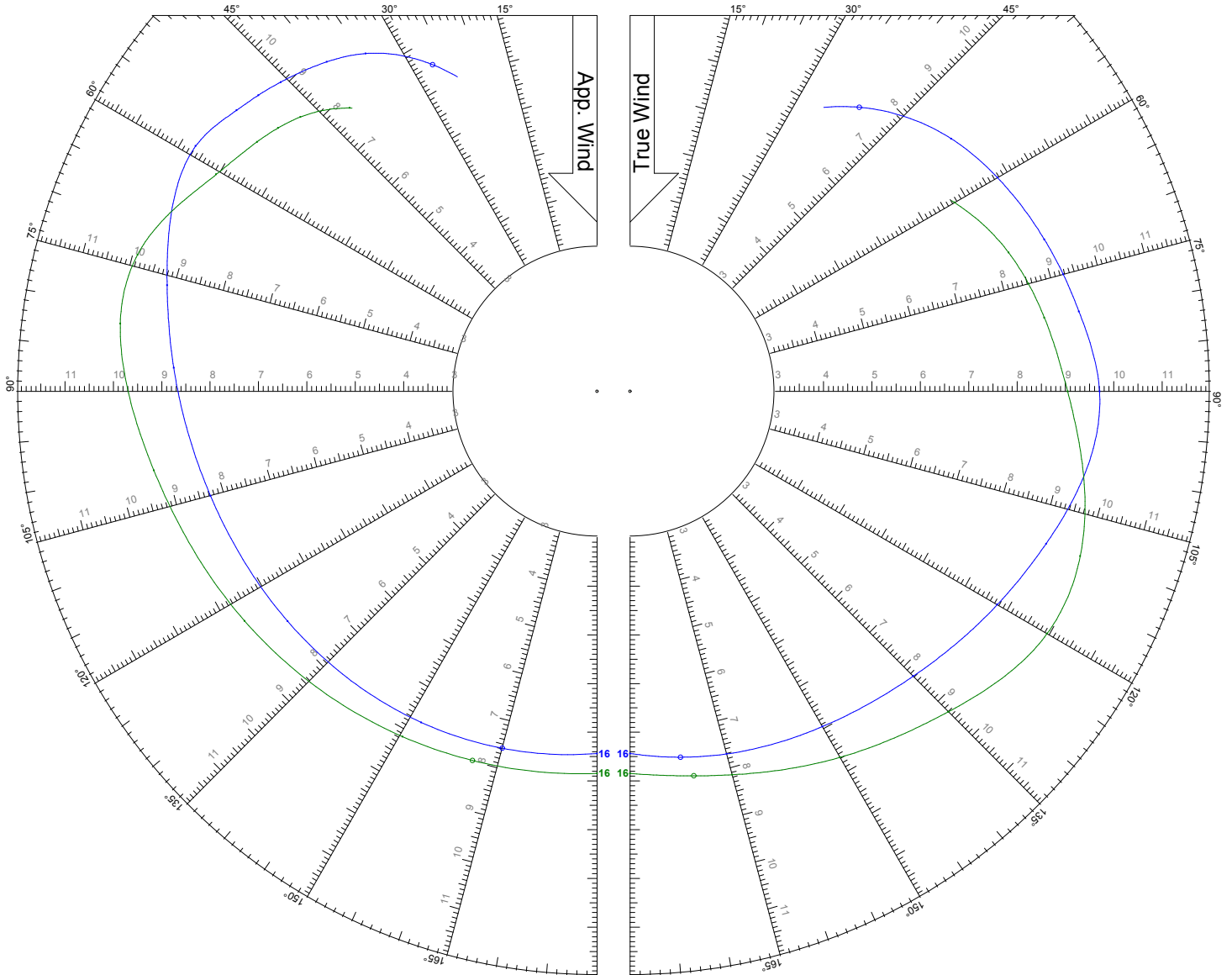
Symmetric Spinnaker



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Polar Plot for Boat	
Name	A430
Sail Number	SWE 1
Class	Arcona
Designer	S Qviberg
Builder	Arcona
Issued On	24/01/2013 - VPP 2011 1.02

TWS: 16 kts

Jib

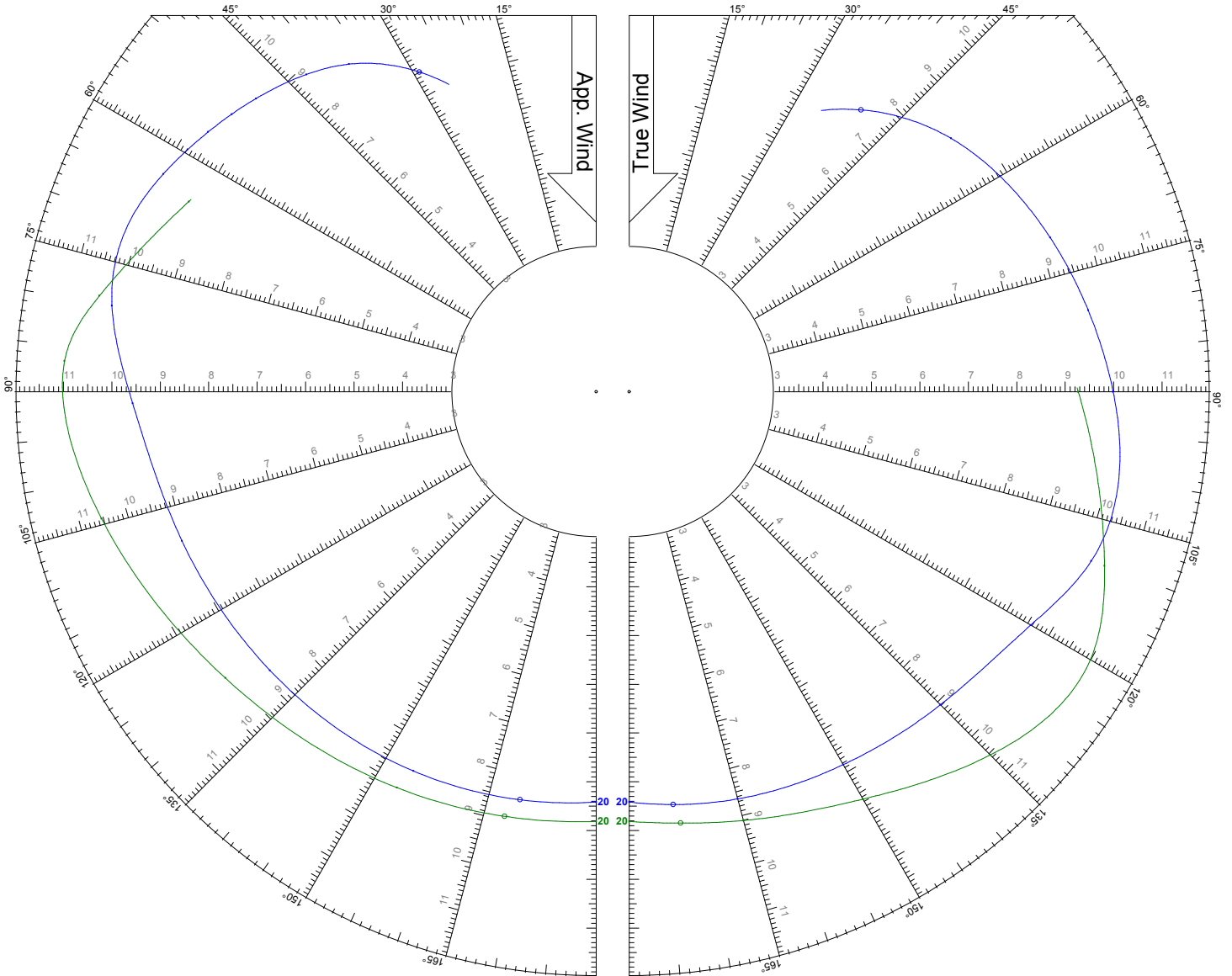
Symmetric Spinnaker



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Polar Plot for Boat	
Name	A430
Sail Number	SWE 1
Class	Arcona
Designer	S Qviberg
Builder	Arcona
Issued On	24/01/2013 - VPP 2011 1.02

TWS: 20 kts

Jib

Symmetric Spinnaker





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**Polar Tables**

Boat Name: **A430**

Sail No: **SWE 1**

Sail: **Best Performance**

Issued On: **24/01/2013 - VPP 2011 1.02**

**TWS = 6 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
45.5° (b)	5.49	3.85	10.60	23.8°	5.5°	1.00	1.00
52°	6.04	3.72	10.82	25.9°	5.9°	1.00	1.00
60°	6.54	3.27	10.86	28.6°	5.9°	1.00	1.00
70°	6.87	2.35	10.55	32.3°	5.3°	1.00	1.00
75°	6.94	1.80	10.28	34.3°	4.9°	1.00	1.00
80°	6.97	1.21	9.95	36.4°	4.5°	1.00	1.00
90°	6.92	0.00	9.16	40.9°	3.8°	1.00	1.00
110°	6.31	2.16	7.06	53.0°	11.8°	1.00	1.00
120°	6.05	3.03	6.03	59.6°	11.2°	1.00	1.00
135°	5.32	3.76	4.38	75.8°	9.3°	1.00	1.00
150°	4.31	3.73	3.13	106.5°	7.5°	1.00	1.00
165°	3.61	3.49	2.68	144.6°	7.0°	1.00	1.00
180°	3.34	3.34	2.66	180.0°	6.7°	1.00	1.00
140.7° (r)	4.94	3.82	3.81	85.6°	8.4°	1.00	1.00

**TWS = 8 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.9° (b)	6.64	4.71	13.54	24.6°	14.4°	1.00	1.00
52°	7.22	4.45	13.69	27.4°	14.9°	1.00	1.00
60°	7.59	3.80	13.50	30.9°	13.9°	1.00	1.00
70°	7.82	2.67	12.96	35.5°	11.6°	1.00	1.00
75°	7.86	2.03	12.58	37.9°	10.1°	1.00	1.00
80°	7.87	1.37	12.16	40.4°	8.6°	1.00	1.00
90°	7.81	0.00	11.18	45.7°	5.6°	1.00	1.00
110°	7.57	2.59	8.94	57.3°	13.3°	1.00	1.00
120°	7.36	3.68	7.70	64.1°	12.2°	1.00	1.00
135°	6.70	4.74	5.75	79.5°	10.6°	1.00	1.00
150°	5.57	4.83	4.22	108.7°	8.2°	1.00	1.00
165°	4.76	4.60	3.62	145.1°	7.2°	1.00	1.00
180°	4.42	4.42	3.58	180.0°	6.8°	1.00	1.00
143.8° (r)	6.03	4.86	4.75	95.1°	9.1°	1.00	1.00

**TWS = 10 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.4° (b)	6.99	5.24	15.93	24.5°	18.0°	1.00	0.84
52°	7.82	4.81	16.04	29.4°	21.9°	1.00	0.91
60°	8.18	4.09	15.77	33.3°	23.6°	1.00	0.97
70°	8.46	2.89	15.15	38.3°	20.4°	1.00	1.00
75°	8.50	2.20	14.71	41.0°	17.6°	1.00	1.00
80°	8.51	1.48	14.21	43.9°	14.9°	1.00	1.00
90°	8.41	0.00	13.07	49.9°	9.8°	1.00	1.00
110°	8.37	2.86	10.62	62.2°	15.7°	1.00	1.00
120°	8.17	4.08	9.22	69.9°	13.1°	1.00	1.00
135°	7.61	5.38	7.09	85.6°	11.2°	1.00	1.00
150°	6.71	5.81	5.37	111.3°	9.0°	1.00	1.00
165°	5.81	5.62	4.63	146.0°	7.5°	1.00	1.00
180°	5.43	5.43	4.57	180.0°	6.9°	1.00	1.00
149.3° (r)	6.76	5.82	5.42	109.8°	9.1°	1.00	1.00

**TWS = 12 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.7° (b)	7.23	5.57	18.16	24.9°	20.0°	1.00	0.71
52°	8.13	5.01	18.17	31.4°	23.8°	1.00	0.77
60°	8.47	4.23	17.81	35.7°	25.1°	1.00	0.82
70°	8.78	3.00	17.12	41.2°	26.2°	1.00	0.91
75°	8.91	2.31	16.70	44.0°	26.6°	1.00	0.96
80°	9.01	1.57	16.21	46.8°	24.3°	1.00	1.00
90°	8.93	0.00	14.96	53.4°	15.0°	1.00	1.00
110°	8.98	3.07	12.28	66.6°	17.1°	1.00	1.00
120°	8.78	4.39	10.76	75.0°	14.9°	1.00	1.00
135°	8.26	5.84	8.49	91.5°	11.8°	1.00	1.00
150°	7.54	6.53	6.64	115.5°	10.0°	1.00	1.00
165°	6.80	6.57	5.71	147.0°	8.0°	1.00	1.00
180°	6.39	6.39	5.61	180.0°	7.0°	1.00	1.00
159.2° (r)	7.06	6.60	5.96	134.3°	8.5°	1.00	1.00

**TWS = 14 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
38.9° (b)	7.42	5.78	20.32	25.6°	21.7°	1.00	0.60
52°	8.33	5.13	20.22	33.1°	24.9°	1.00	0.65
60°	8.65	4.33	19.80	37.8°	26.1°	1.00	0.70
70°	8.98	3.07	19.04	43.7°	27.1°	1.00	0.78
75°	9.12	2.36	18.58	46.7°	27.4°	1.00	0.83
80°	9.25	1.61	18.07	49.7°	27.6°	1.00	0.90
90°	9.42	0.00	16.88	56.1°	22.6°	1.00	1.00
110°	9.57	3.27	14.00	70.0°	25.0°	1.00	1.00
120°	9.34	4.67	12.35	79.1°	16.1°	1.00	1.00
135°	8.79	6.22	9.96	96.4°	12.3°	1.00	1.00
150°	8.17	7.07	8.04	119.5°	10.7°	1.00	1.00
165°	7.55	7.29	6.99	148.8°	8.5°	1.00	1.00
180°	7.20	7.20	6.80	180.0°	7.2°	1.00	1.00
165.1° (r)	7.55	7.29	6.98	148.9°	8.5°	1.00	1.00

**TWS = 16 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.1° (b)	7.51	5.83	22.34	26.9°	23.8°	0.82	0.60
52°	8.42	5.19	22.20	34.6°	26.6°	0.92	0.60
60°	8.77	4.39	21.75	39.6°	26.8°	1.00	0.60
70°	9.11	3.12	20.95	45.9°	27.6°	1.00	0.68
75°	9.27	2.40	20.46	49.0°	27.9°	1.00	0.72
80°	9.42	1.64	19.93	52.2°	28.2°	1.00	0.78
90°	9.70	0.00	18.71	58.8°	28.5°	1.00	0.94
110°	9.90	3.39	15.67	73.6°	26.8°	0.97	0.94
120°	9.95	4.98	13.99	82.0°	17.7°	1.00	1.00
135°	9.30	6.58	11.49	100.1°	13.1°	1.00	1.00
150°	8.68	7.52	9.53	122.9°	11.1°	1.00	1.00
165°	8.15	7.87	8.40	150.4°	9.1°	1.00	1.00
180°	7.85	7.85	8.15	180.0°	7.3°	1.00	1.00
170.5° (r)	8.00	7.89	8.21	161.3°	8.3°	1.00	1.00

**TWS = 20 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.6° (b)	7.50	5.78	26.22	29.1°	23.6°	0.48	0.60
52°	8.43	5.19	26.05	37.2°	27.8°	0.55	0.60
60°	8.84	4.42	25.59	42.6°	27.6°	0.64	0.60
70°	9.24	3.16	24.74	49.4°	28.3°	0.80	0.60
75°	9.43	2.44	24.22	52.9°	28.6°	0.90	0.60
80°	9.62	1.67	23.65	56.4°	29.0°	1.00	0.61
90°	9.99	0.00	22.36	63.5°	29.3°	1.00	0.75
110°	10.44	3.57	19.14	79.2°	26.7°	0.90	0.85
120°	10.99	5.50	17.35	86.7°	26.8°	0.97	0.93
135°	10.54	7.45	14.59	104.3°	15.9°	1.00	1.00
150°	9.65	8.36	12.60	127.5°	12.1°	1.00	1.00
165°	9.10	8.79	11.45	153.1°	10.5°	1.00	1.00
180°	8.81	8.81	11.19	180.0°	7.7°	1.00	1.00
173.2° (r)	8.91	8.85	11.20	167.7°	8.9°	1.00	1.00



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Polar Tables	
Boat Name:	<b>A430</b>
Sail No:	<b>SWE 1</b>
Sail:	<b>Jib</b>
Issued On:	<b>24/01/2013 - VPP 2011 1.02</b>

TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
45.5° (b)	5.49	3.85	10.50	23.5°	5.5°	1.00	1.00
52°	6.04	3.72	10.73	25.6°	5.9°	1.00	1.00
60°	6.54	3.27	10.77	28.2°	5.9°	1.00	1.00
70°	6.87	2.35	10.46	31.9°	5.3°	1.00	1.00
75°	6.94	1.80	10.20	33.9°	4.9°	1.00	1.00
80°	6.97	1.21	9.88	36.0°	4.5°	1.00	1.00
90°	6.92	0.00	9.09	40.4°	3.8°	1.00	1.00
110°	6.20	2.12	6.94	53.0°	2.3°	1.00	1.00
120°	5.45	2.73	5.69	64.0°	1.5°	1.00	1.00
135°	4.19	2.96	4.18	89.9°	0.7°	1.00	1.00
150°	3.55	3.07	3.35	118.0°	0.5°	1.00	1.00
165°	3.29	3.18	2.86	147.7°	0.3°	1.00	1.00
180°	3.10	3.10	2.81	180.0°	0.1°	1.00	1.00
167.1° (r)	3.26	3.18	2.82	152.1°	0.2°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.9° (b)	6.64	4.71	13.33	23.7°	14.4°	1.00	1.00
52°	7.22	4.45	13.45	26.4°	14.9°	1.00	1.00
60°	7.59	3.80	13.27	29.8°	13.9°	1.00	1.00
70°	7.82	2.67	12.75	34.5°	11.6°	1.00	1.00
75°	7.86	2.03	12.40	37.1°	10.1°	1.00	1.00
80°	7.87	1.37	12.00	39.7°	8.6°	1.00	1.00
90°	7.81	0.00	11.06	45.1°	5.6°	1.00	1.00
110°	7.25	2.48	8.68	58.4°	3.0°	1.00	1.00
120°	6.65	3.33	7.34	68.3°	2.1°	1.00	1.00
135°	5.37	3.80	5.57	92.1°	1.1°	1.00	1.00
150°	4.67	4.04	4.49	118.7°	0.8°	1.00	1.00
165°	4.35	4.20	3.84	148.0°	0.5°	1.00	1.00
180°	4.11	4.11	3.77	180.0°	0.1°	1.00	1.00
167.5° (r)	4.31	4.21	3.79	153.3°	0.4°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.4° (b)	6.99	5.24	15.59	23.2°	18.0°	1.00	0.84
52°	7.82	4.81	15.54	27.3°	21.9°	1.00	0.91
60°	8.18	4.09	15.16	30.6°	23.6°	1.00	0.97
70°	8.46	2.89	14.59	36.1°	20.4°	1.00	1.00
75°	8.50	2.20	14.24	39.2°	17.6°	1.00	1.00
80°	8.51	1.48	13.83	42.4°	14.9°	1.00	1.00
90°	8.41	0.00	12.83	49.0°	9.8°	1.00	1.00
110°	7.88	2.70	10.28	64.0°	3.7°	1.00	1.00
120°	7.40	3.70	8.87	73.8°	2.6°	1.00	1.00
135°	6.40	4.53	6.99	94.6°	1.6°	1.00	1.00
150°	5.69	4.93	5.69	120.0°	1.1°	1.00	1.00
165°	5.35	5.17	4.88	148.5°	0.7°	1.00	1.00
180°	5.07	5.07	4.78	180.0°	0.1°	1.00	1.00
168.4° (r)	5.29	5.18	4.79	155.7°	0.6°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.7° (b)	7.23	5.57	17.70	23.4°	20.0°	1.00	0.71
52°	8.13	5.01	17.47	28.8°	23.8°	1.00	0.77
60°	8.47	4.23	16.96	32.6°	25.1°	1.00	0.82
70°	8.78	3.00	16.09	37.6°	26.2°	1.00	0.91
75°	8.91	2.31	15.59	40.1°	26.6°	1.00	0.96
80°	9.01	1.57	15.21	43.5°	24.3°	1.00	1.00
90°	8.93	0.00	14.44	51.8°	15.0°	1.00	1.00
110°	8.35	2.85	11.88	68.7°	4.5°	1.00	1.00
120°	7.95	3.98	10.42	78.7°	3.1°	1.00	1.00
135°	7.21	5.10	8.43	97.9°	2.0°	1.00	1.00
150°	6.64	5.75	6.92	121.3°	1.5°	1.00	1.00
165°	6.27	6.06	5.99	149.3°	0.9°	1.00	1.00
180°	5.95	5.95	5.87	180.0°	0.2°	1.00	1.00
168.8° (r)	6.19	6.07	5.87	157.0°	0.8°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
38.9° (b)	7.42	5.78	19.72	23.8°	21.7°	1.00	0.60
52°	8.33	5.13	19.32	30.2°	24.9°	1.00	0.65
60°	8.65	4.33	18.71	34.4°	26.1°	1.00	0.70
70°	8.98	3.07	17.72	39.8°	27.1°	1.00	0.78
75°	9.12	2.36	17.16	42.6°	27.4°	1.00	0.83
80°	9.25	1.61	16.57	45.5°	27.6°	1.00	0.90
90°	9.42	0.00	15.72	53.2°	22.6°	1.00	1.00
110°	8.75	2.99	13.50	72.6°	5.9°	1.00	1.00
120°	8.38	4.19	12.01	82.9°	3.8°	1.00	1.00
135°	7.80	5.52	9.93	101.3°	2.6°	1.00	1.00
150°	7.37	6.38	8.27	123.6°	1.9°	1.00	1.00
165°	7.08	6.84	7.19	150.2°	1.2°	1.00	1.00
180°	6.79	6.79	7.00	180.0°	0.3°	1.00	1.00
170.9° (r)	6.97	6.89	6.99	161.8°	0.9°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.1° (b)	7.51	5.83	21.17	24.4°	23.8°	0.82	0.60
52°	8.42	5.19	20.88	31.2°	26.6°	0.92	0.60
60°	8.77	4.39	20.41	35.9°	26.8°	1.00	0.60
70°	9.11	3.12	19.34	41.8°	27.6°	1.00	0.68
75°	9.27	2.40	18.73	44.9°	27.9°	1.00	0.72
80°	9.42	1.64	18.08	48.0°	28.2°	1.00	0.78
90°	9.70	0.00	16.70	54.5°	28.5°	1.00	0.94
110°	9.15	3.13	15.08	75.5°	8.9°	1.00	1.00
120°	8.77	4.38	13.62	86.3°	4.8°	1.00	1.00
135°	8.27	5.85	11.49	104.5°	3.2°	1.00	1.00
150°	7.95	6.88	9.72	125.9°	2.4°	1.00	1.00
165°	7.71	7.45	8.55	151.5°	1.5°	1.00	1.00
180°	7.44	7.44	8.33	180.0°	0.4°	1.00	1.00
172.1° (r)	7.59	7.51	8.31	164.8°	1.0°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.6° (b)	7.50	5.78	23.84	26.2°	23.6°	0.48	0.60
52°	8.43	5.19	23.35	32.8°	27.8°	0.55	0.60
60°	8.84	4.42	22.90	38.0°	27.6°	0.64	0.60
70°	9.24	3.16	22.09	44.8°	28.3°	0.80	0.60
75°	9.43	2.44	21.64	48.4°	28.6°	0.90	0.60
80°	9.62	1.67	21.11	52.1°	29.0°	1.00	0.61
90°	9.99	0.00	19.58	59.3°	29.3°	1.00	0.75
110°	10.15	3.47	17.79	78.8°	18.2°	1.00	1.00
120°	9.57	4.79	16.76	90.9°	10.2°	1.00	1.00
135°	9.08	6.42	14.69	109.2°	5.2°	1.00	1.00
150°	8.83	7.65	12.82	129.9°	3.6°	1.00	1.00
165°	8.65	8.35	11.56	153.9°	2.3°	1.00	1.00
180°	8.42	8.42	11.29	180.0°	0.7°	1.00	1.00
173.9° (r)	8.52	8.47	11.27	169.2°	1.4°	1.00	1.00



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**Polar Tables**

Boat Name: **A430**  
 Sail No: **SWE 1**  
 Sail: **Symmetric Spinnaker**  
 Issued On: **24/01/2013 - VPP 2011 1.02**

**TWS = 6 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	4.49	2.25	9.09	34.2°	11.9°	1.00	1.00
70°	5.41	1.85	9.30	36.5°	12.4°	1.00	1.00
75°	5.76	1.49	9.27	37.8°	12.6°	1.00	1.00
80°	6.05	1.05	9.16	39.2°	12.8°	1.00	1.00
90°	6.42	0.00	8.71	42.5°	12.7°	1.00	1.00
110°	6.31	2.16	6.99	52.6°	11.8°	1.00	1.00
120°	6.05	3.03	5.96	59.4°	11.2°	1.00	1.00
135°	5.32	3.76	4.34	76.1°	9.3°	1.00	1.00
150°	4.31	3.73	3.14	107.2°	7.5°	1.00	1.00
165°	3.61	3.49	2.72	145.1°	7.0°	1.00	1.00
180°	3.34	3.34	2.71	180.0°	6.7°	1.00	1.00
140.7° (r)	4.94	3.82	3.80	86.1°	8.4°	1.00	1.00

**TWS = 8 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	5.80	2.90	11.90	34.4°	14.6°	1.00	1.00
70°	6.87	2.35	12.04	37.1°	15.7°	1.00	1.00
75°	7.20	1.86	11.89	38.8°	16.1°	1.00	1.00
80°	7.43	1.29	11.63	40.7°	16.2°	1.00	1.00
90°	7.65	0.00	10.87	45.3°	15.8°	1.00	1.00
110°	7.57	2.59	8.79	56.8°	13.3°	1.00	1.00
120°	7.36	3.68	7.59	63.9°	12.2°	1.00	1.00
135°	6.70	4.74	5.69	79.8°	10.6°	1.00	1.00
150°	5.57	4.83	4.23	109.4°	8.2°	1.00	1.00
165°	4.76	4.60	3.67	145.7°	7.2°	1.00	1.00
180°	4.42	4.42	3.65	180.0°	6.8°	1.00	1.00
143.8° (r)	6.03	4.86	4.73	95.7°	9.1°	1.00	1.00

**TWS = 10 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.93	3.46	14.53	34.7°	17.5°	1.00	1.00
70°	7.74	2.65	14.02	37.3°	24.7°	1.00	0.99
75°	7.98	2.06	13.63	39.3°	25.9°	0.99	0.99
80°	8.17	1.42	13.22	41.6°	26.3°	1.00	1.00
90°	8.38	0.00	12.53	48.0°	21.1°	1.00	1.00
110°	8.37	2.86	10.33	61.5°	15.7°	1.00	1.00
120°	8.17	4.08	9.04	69.7°	13.1°	1.00	1.00
135°	7.61	5.38	7.00	85.9°	11.2°	1.00	1.00
150°	6.71	5.81	5.36	112.0°	9.0°	1.00	1.00
165°	5.81	5.62	4.69	146.6°	7.5°	1.00	1.00
180°	5.43	5.43	4.64	180.0°	6.9°	1.00	1.00
149.3° (r)	6.76	5.82	5.42	110.6°	9.1°	1.00	1.00

**TWS = 12 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.38	3.69	16.30	35.2°	24.2°	0.96	0.91
70°	8.03	2.75	15.68	39.6°	25.9°	0.94	0.86
75°	8.24	2.13	15.24	42.1°	26.5°	0.95	0.87
80°	8.42	1.46	14.78	44.9°	26.6°	0.95	0.88
90°	8.69	0.00	13.71	50.7°	26.6°	0.97	0.93
110°	8.98	3.07	11.84	65.8°	17.1°	1.00	1.00
120°	8.78	4.39	10.45	74.7°	14.9°	1.00	1.00
135°	8.26	5.84	8.36	91.8°	11.8°	1.00	1.00
150°	7.54	6.53	6.63	116.2°	10.0°	1.00	1.00
165°	6.80	6.57	5.78	147.6°	8.0°	1.00	1.00
180°	6.39	6.39	5.71	180.0°	7.0°	1.00	1.00
159.2° (r)	7.06	6.60	6.00	134.9°	8.5°	1.00	1.00

**TWS = 14 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.60	3.80	18.06	36.7°	24.8°	0.90	0.81
70°	8.21	2.81	17.29	41.8°	26.5°	0.89	0.79
75°	8.41	2.18	16.83	44.7°	26.6°	0.90	0.80
80°	8.58	1.49	16.31	47.8°	26.6°	0.90	0.82
90°	8.88	0.00	15.15	54.1°	26.7°	0.92	0.85
110°	9.57	3.27	12.80	67.9°	25.0°	1.00	1.00
120°	9.34	4.67	11.91	78.8°	16.1°	1.00	1.00
135°	8.79	6.22	9.79	96.8°	12.3°	1.00	1.00
150°	8.17	7.07	8.01	120.2°	10.7°	1.00	1.00
165°	7.55	7.29	7.06	149.3°	8.5°	1.00	1.00
180°	7.20	7.20	6.91	180.0°	7.2°	1.00	1.00
165.1° (r)	7.55	7.29	7.06	149.4°	8.5°	1.00	1.00

**TWS = 16 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.74	3.87	19.77	38.2°	25.2°	0.85	0.74
70°	8.33	2.85	18.91	43.8°	26.6°	0.85	0.74
75°	8.53	2.21	18.39	46.9°	26.6°	0.85	0.76
80°	8.70	1.51	17.82	50.2°	26.7°	0.85	0.78
90°	9.04	0.00	16.62	57.0°	26.7°	0.87	0.80
110°	9.90	3.39	14.02	71.3°	26.8°	0.97	0.94
120°	9.95	4.98	13.36	81.7°	17.7°	1.00	1.00
135°	9.30	6.58	11.26	100.6°	13.1°	1.00	1.00
150°	8.68	7.52	9.49	123.7°	11.1°	1.00	1.00
165°	8.15	7.87	8.48	150.9°	9.1°	1.00	1.00
180°	7.85	7.85	8.28	180.0°	7.3°	1.00	1.00
170.5° (r)	8.00	7.89	8.32	161.6°	8.3°	1.00	1.00

**TWS = 20 Kts**

TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	-0.01	-0.01	16.95	55.3°	33.5°	0.85	0.60
70°	-0.01	0.00	16.50	66.4°	33.5°	0.85	0.60
75°	-0.01	0.00	16.32	72.2°	33.5°	0.85	0.60
80°	-0.01	0.00	16.20	78.1°	33.5°	0.85	0.60
90°	9.27	0.00	19.68	61.9°	26.8°	0.85	0.61
110°	10.44	3.57	16.86	77.2°	26.7°	0.90	0.85
120°	10.99	5.50	15.32	85.8°	26.8°	0.97	0.93
135°	10.54	7.45	14.13	105.0°	15.9°	1.00	1.00
150°	9.65	8.36	12.53	128.3°	12.1°	1.00	1.00
165°	9.10	8.79	11.54	153.6°	10.5°	1.00	1.00
180°	8.81	8.81	11.34	180.0°	7.7°	1.00	1.00
173.2° (r)	8.91	8.85	11.34	167.9°	8.9°	1.00	1.00