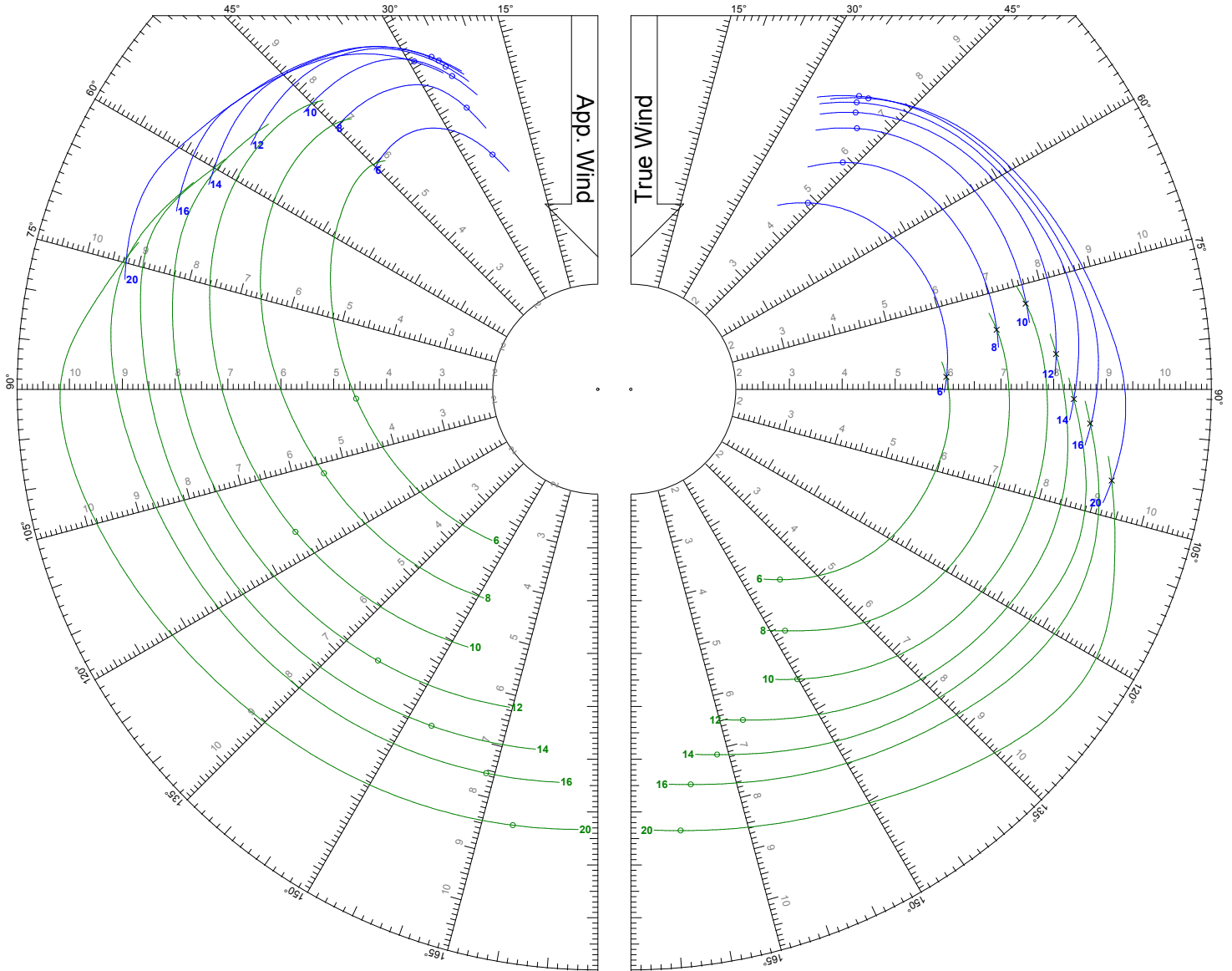




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Polar Plot for Boat

Name **XC39v19_ap2_1040**
Sail Number **ITA**
Class **ORC C/R**
Designer **FM**
Builder **Cantiere del Pardo**
Issued On **7/17/2011 - VPP 2011 1.02**

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

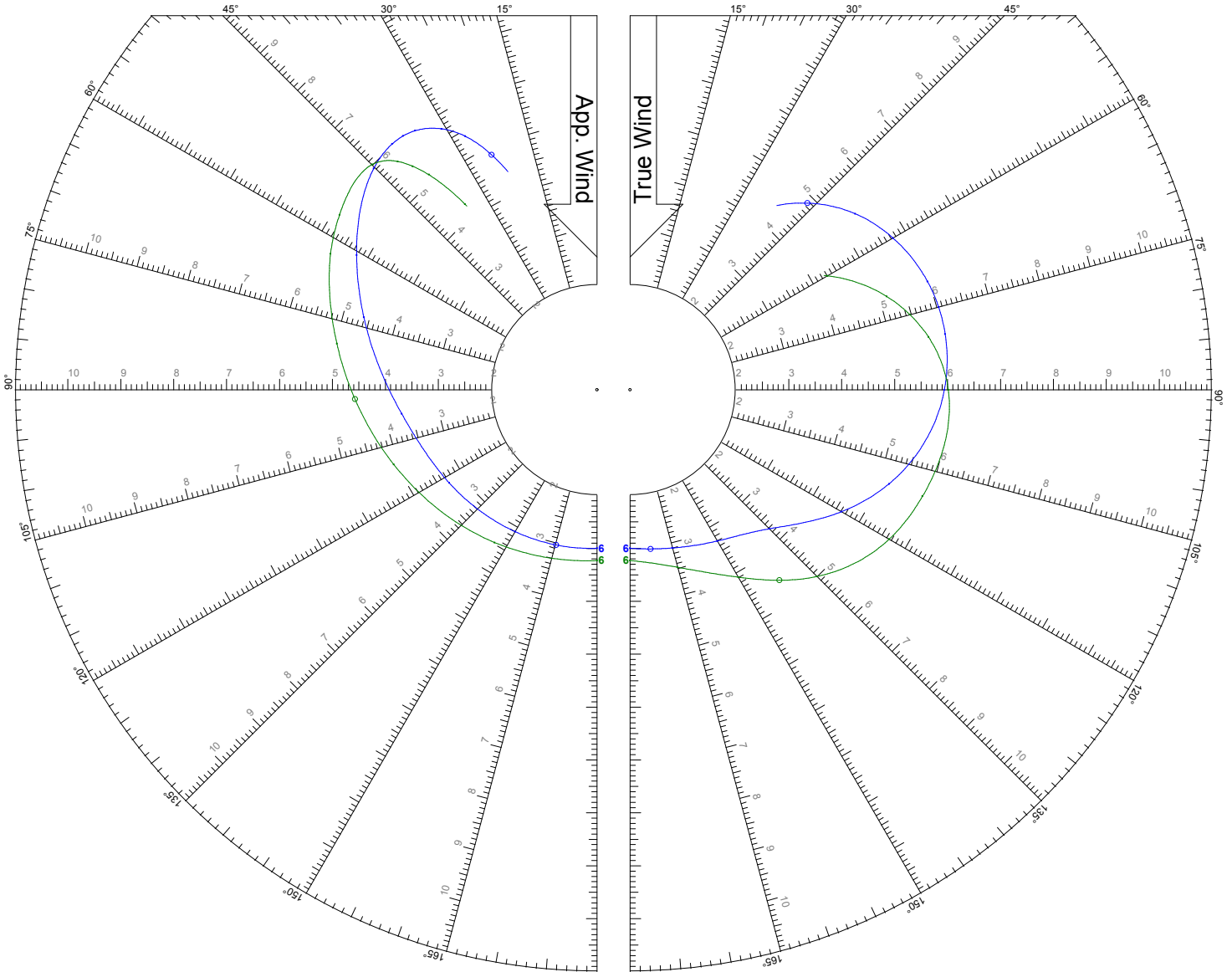
Jib

Symmetric Spinnaker



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Speed Guide



Polar Plot for Boat

Name **XC39v19_ap2_1040**
Sail Number **ITA**
Class **ORC C/R**
Designer **FM**
Builder **Cantiere del Pardo**
Issued On **7/17/2011 - VPP 2011 1.02**

TWS: 6 kts

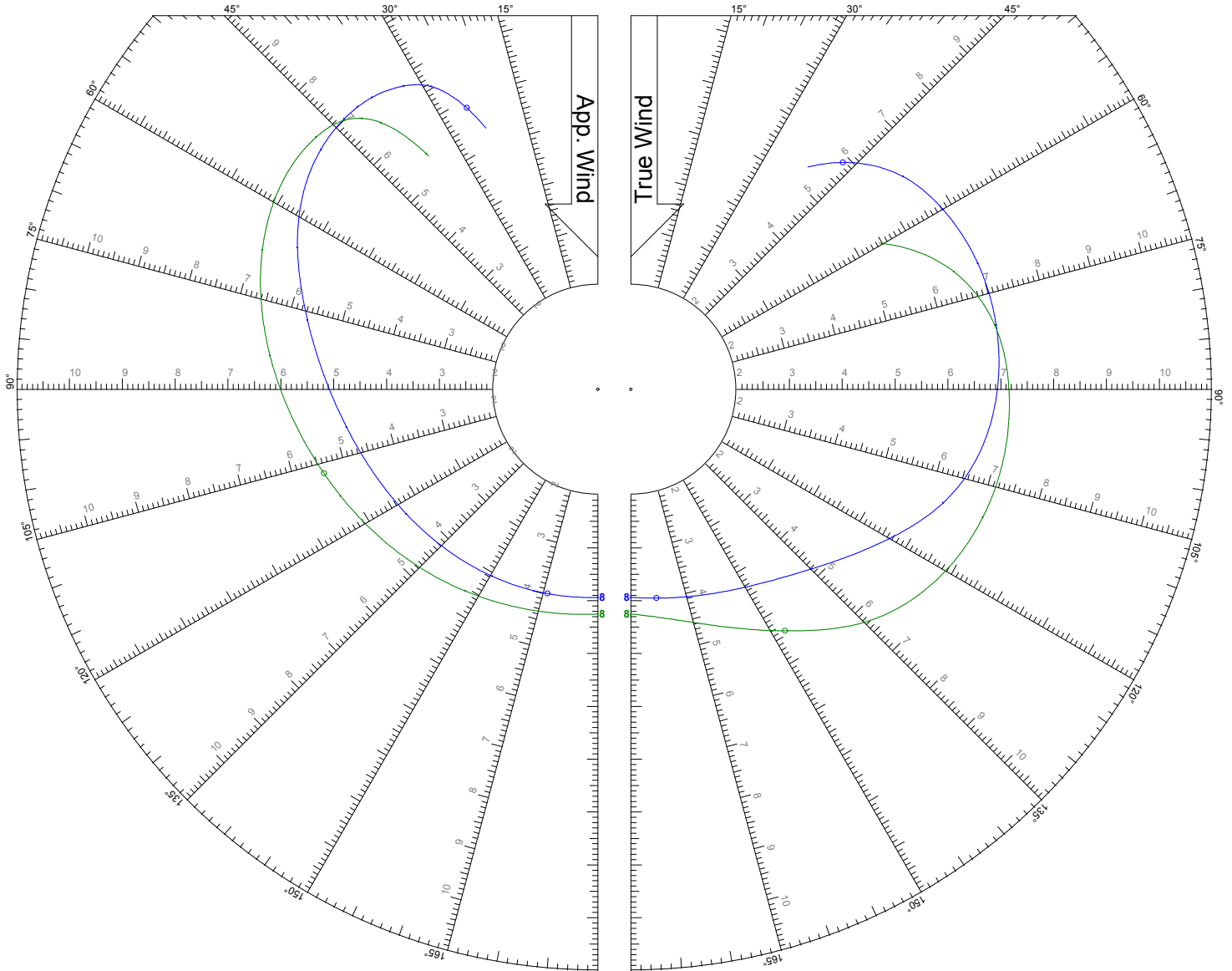
Jib

Symmetric Spinnaker



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Polar Plot for Boat

Name **XC39v19_ap2_1040**
Sail Number **ITA**
Class **ORC C/R**
Designer **FM**
Builder **Cantiere del Pardo**
Issued On **7/17/2011 - VPP 2011 1.02**

TWS: 8 kts

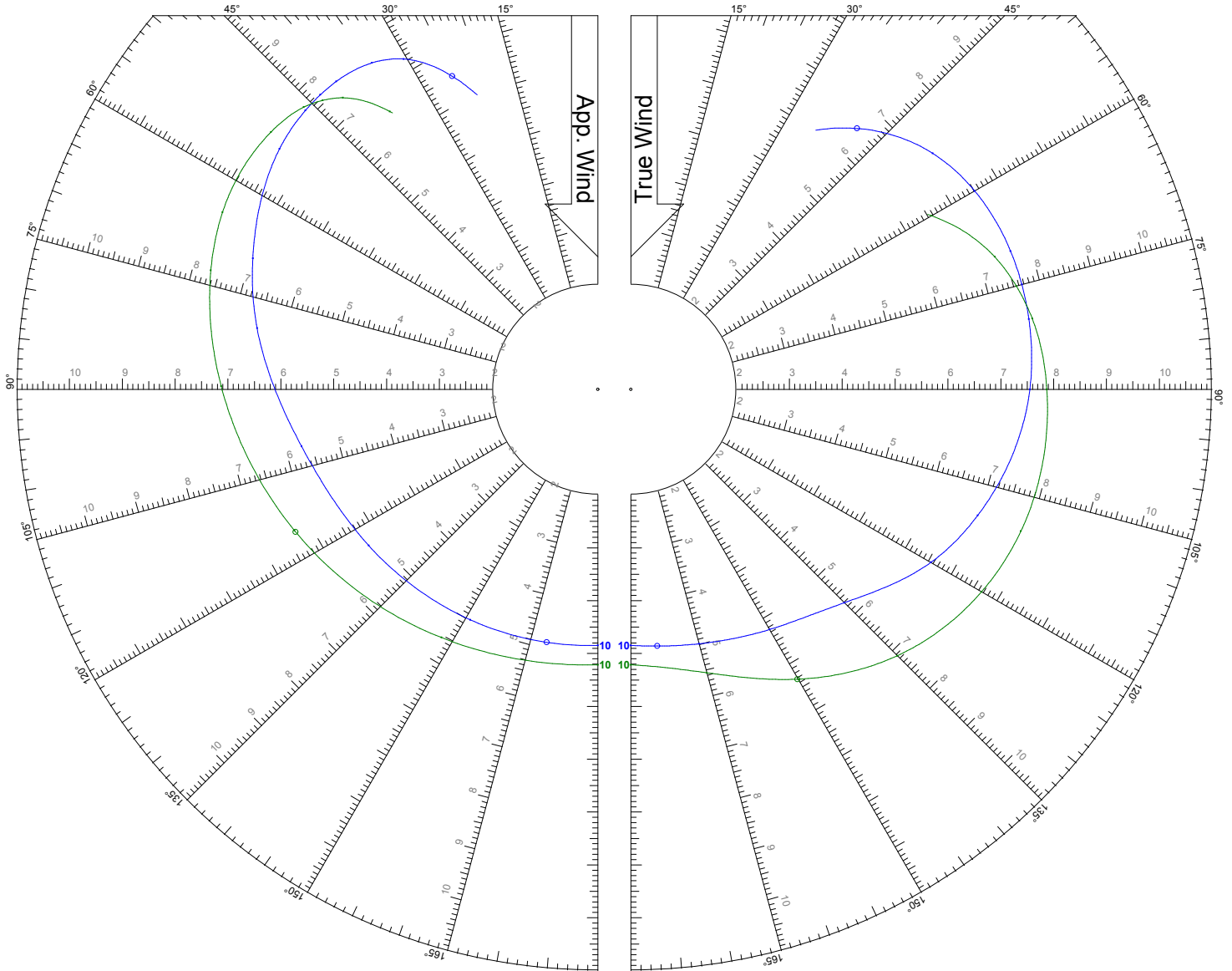
Jib

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Polar Plot for Boat

Name **XC39v19_ap2_1040**
Sail Number **ITA**
Class **ORC C/R**
Designer **FM**
Builder **Cantiere del Pardo**
Issued On **7/17/2011 - VPP 2011 1.02**

TWS: 10 kts

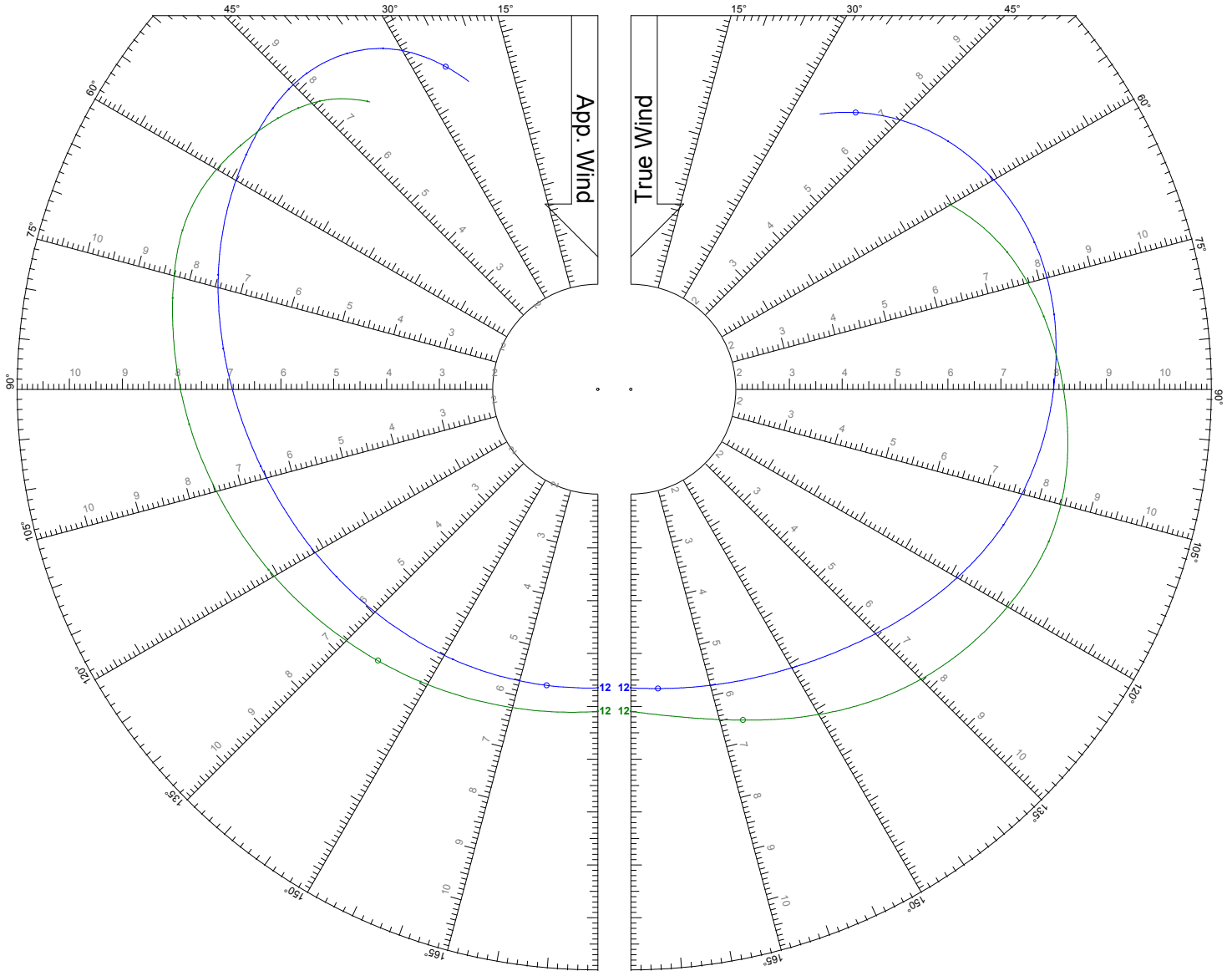
Jib

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Polar Plot for Boat

Name **XC39v19_ap2_1040**
Sail Number **ITA**
Class **ORC C/R**
Designer **FM**
Builder **Cantiere del Pardo**
Issued On **7/17/2011 - VPP 2011 1.02**

TWS: 12 kts

Jib

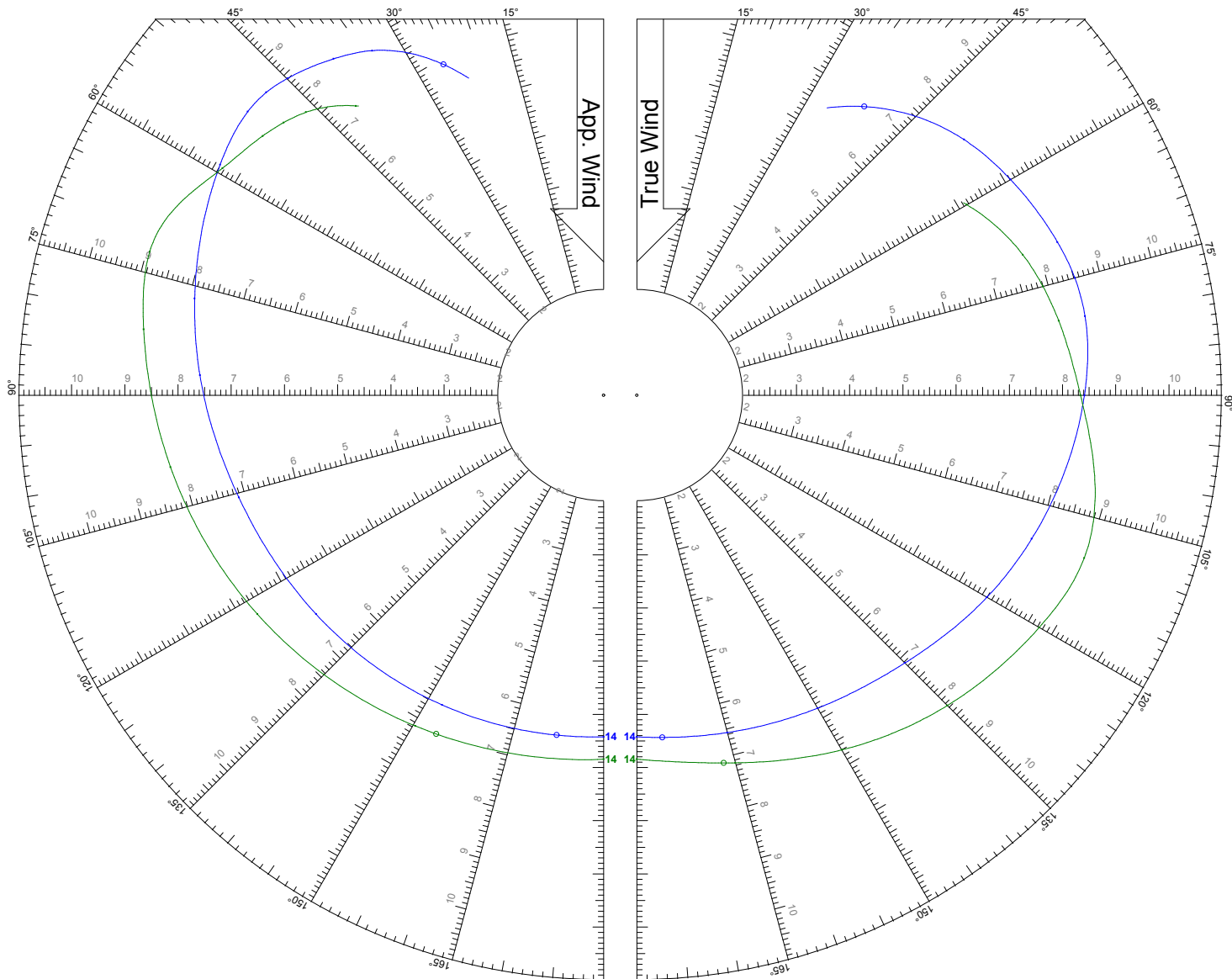
Symmetric Spinnaker



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Polar Plot for Boat

Name **XC39v19_ap2_1040**
Sail Number **ITA**
Class **ORC C/R**
Designer **FM**
Builder **Cantiere del Pardo**
Issued On **7/17/2011 - VPP 2011 1.02**

TWS: 14 kts

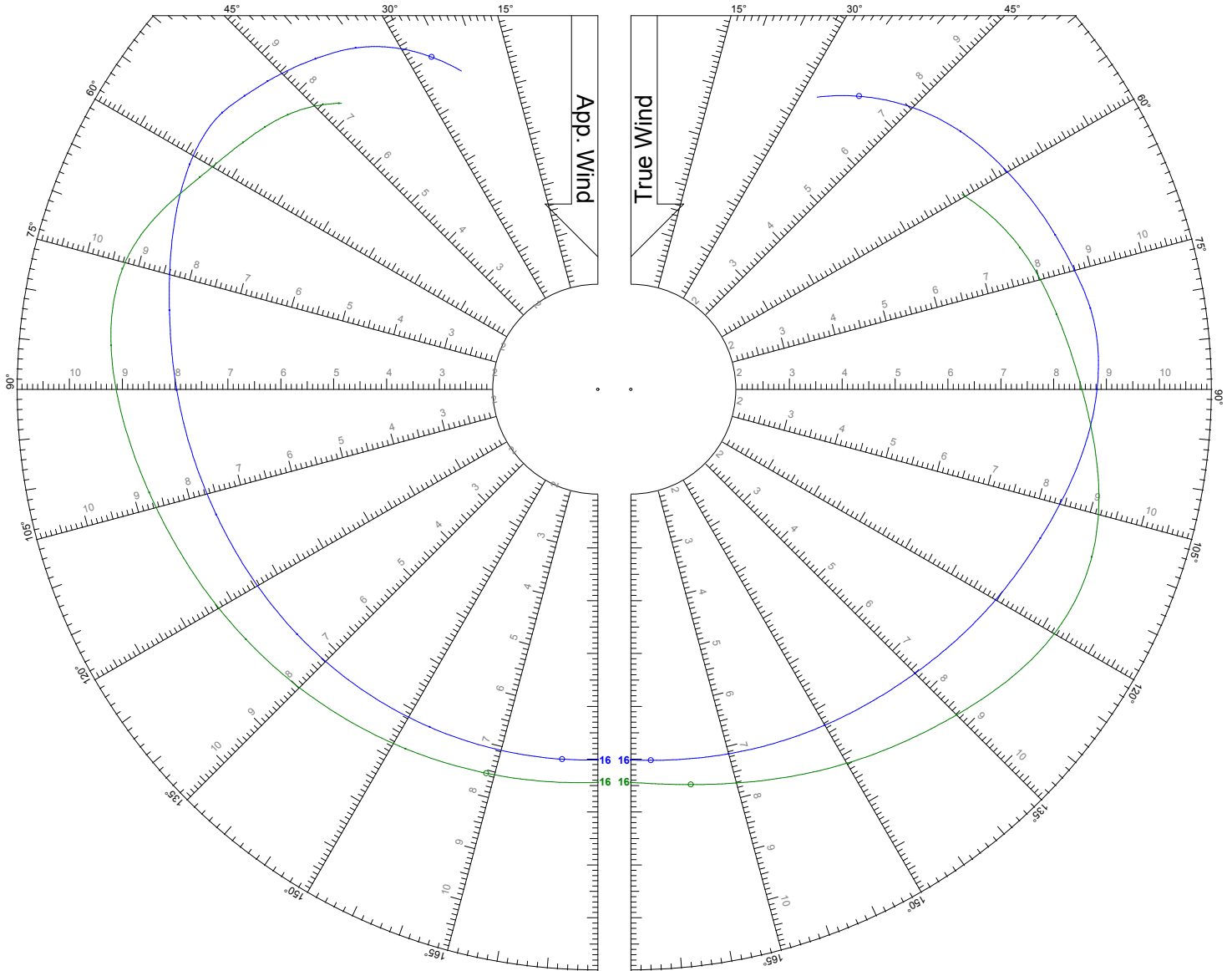
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Polar Plot for Boat

Name **XC39v19_ap2_1040**
Sail Number **ITA**
Class **ORC C/R**
Designer **FM**
Builder **Cantiere del Pardo**
Issued On **7/17/2011 - VPP 2011 1.02**

TWS: 16 kts

Jib

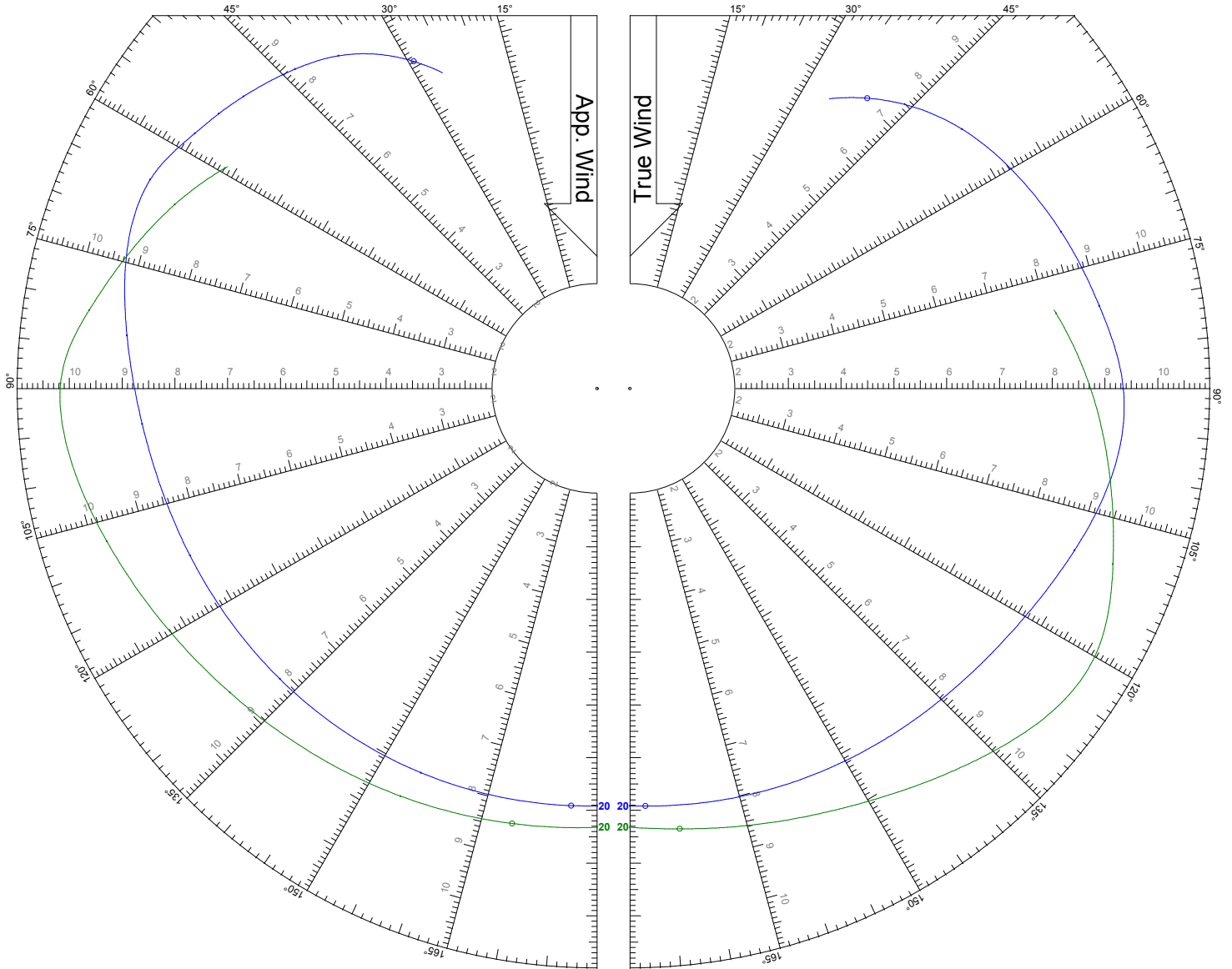
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Polar Plot for Boat	
Name	XC39v19_ap2_1040
Sail Number	ITA
Class	ORC C/R
Designer	FM
Builder	Cantiere del Pardo
Issued On	7/17/2011 - VPP 2011 1.02

TWS: 20 kts

Jib

Symmetric Spinnaker



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Polar Tables	
Boat Name: XC39v19_ap2_1040	
Sail No: ITA	
Sail: Best Performance	
Issued On: 7/17/2011 - VPP 2011 1.02	

TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.5° (b)	4.87	3.53	10.10	24.2°	4.3°	1.00	1.00
52°	5.40	3.33	10.25	27.5°	4.4°	1.00	1.00
60°	5.74	2.87	10.16	30.7°	4.3°	1.00	1.00
70°	5.98	2.05	9.82	35.1°	4.0°	1.00	1.00
75°	6.04	1.56	9.55	37.4°	3.8°	1.00	1.00
80°	6.05	1.05	9.23	39.8°	3.5°	1.00	1.00
90°	6.01	0.00	8.49	44.9°	12.9°	1.00	1.00
110°	5.88	2.01	6.82	55.8°	11.9°	1.00	1.00
120°	5.65	2.83	5.83	63.0°	11.3°	1.00	1.00
135°	4.99	3.53	4.31	80.0°	9.8°	1.00	1.00
150°	4.09	3.54	3.20	110.2°	8.1°	1.00	1.00
165°	3.48	3.36	2.79	146.2°	7.5°	1.00	1.00
180°	3.23	3.23	2.77	180.0°	7.3°	1.00	1.00
141.9° (r)	4.58	3.60	3.70	92.3°	8.8°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.1° (b)	5.87	4.29	12.93	25.0°	9.9°	1.00	1.00
52°	6.54	4.02	13.08	28.8°	10.2°	1.00	1.00
60°	6.81	3.41	12.84	32.6°	9.3°	1.00	1.00
70°	6.98	2.39	12.29	37.7°	7.4°	1.00	1.00
75°	7.02	1.82	11.93	40.4°	6.3°	1.00	1.00
80°	7.02	1.22	11.52	43.1°	5.3°	1.00	1.00
90°	7.15	0.00	10.73	48.2°	15.9°	1.00	1.00
110°	7.09	2.42	8.69	59.9°	13.5°	1.00	1.00
120°	6.88	3.44	7.50	67.5°	12.2°	1.00	1.00
135°	6.24	4.41	5.69	84.1°	10.8°	1.00	1.00
150°	5.27	4.56	4.33	112.5°	8.8°	1.00	1.00
165°	4.57	4.41	3.78	146.8°	7.8°	1.00	1.00
180°	4.25	4.25	3.75	180.0°	7.4°	1.00	1.00
147.4° (r)	5.42	4.57	4.50	107.1°	9.1°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
40.9° (b)	6.53	4.94	15.54	24.9°	19.0°	1.00	1.00
52°	7.25	4.46	15.55	30.4°	18.7°	1.00	1.00
60°	7.51	3.76	15.22	34.7°	16.8°	1.00	1.00
70°	7.65	2.61	14.52	40.3°	13.5°	1.00	1.00
75°	7.66	1.98	14.08	43.3°	11.7°	1.00	1.00
80°	7.71	1.34	13.65	46.2°	25.9°	1.00	1.00
90°	7.87	0.00	12.73	51.8°	21.2°	1.00	1.00
110°	7.85	2.69	10.39	64.7°	15.7°	1.00	1.00
120°	7.66	3.83	9.06	72.9°	13.1°	1.00	1.00
135°	7.13	5.04	7.07	89.5°	11.4°	1.00	1.00
150°	6.33	5.48	5.51	115.0°	9.7°	1.00	1.00
165°	5.55	5.36	4.85	147.8°	8.2°	1.00	1.00
180°	5.21	5.21	4.79	180.0°	7.5°	1.00	1.00
150.1° (r)	6.32	5.48	5.50	115.2°	9.7°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.1° (b)	6.75	5.24	17.75	25.2°	22.7°	1.00	0.87
52°	7.62	4.69	17.74	32.2°	26.6°	1.00	0.96
60°	7.93	3.97	17.38	36.7°	26.3°	1.00	1.00
70°	8.13	2.78	16.64	42.7°	21.0°	1.00	1.00
75°	8.15	2.11	16.16	45.8°	18.1°	1.00	1.00
80°	8.13	1.41	15.62	49.2°	15.2°	1.00	1.00
90°	8.19	0.00	14.53	55.7°	26.9°	0.95	1.00
110°	8.42	2.88	12.07	69.1°	17.1°	1.00	1.00
120°	8.23	4.11	10.63	77.9°	15.0°	1.00	1.00
135°	7.76	5.49	8.52	94.9°	11.9°	1.00	1.00
150°	7.11	6.15	6.84	118.7°	10.5°	1.00	1.00
165°	6.47	6.25	5.99	148.8°	8.6°	1.00	1.00
180°	6.09	6.09	5.91	180.0°	7.6°	1.00	1.00
161.3° (r)	6.61	6.26	6.12	141.0°	9.0°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
38.2° (b)	6.91	5.43	19.89	25.8°	24.1°	1.00	0.74
52°	7.80	4.80	19.78	33.9°	27.7°	1.00	0.82
60°	8.11	4.05	19.37	38.7°	28.8°	1.00	0.88
70°	8.41	2.88	18.64	44.9°	29.7°	1.00	0.99
75°	8.52	2.21	18.18	48.1°	26.4°	1.00	1.00
80°	8.55	1.49	17.63	51.5°	22.0°	1.00	1.00
90°	8.41	0.00	16.33	59.0°	14.0°	1.00	1.00
110°	8.95	3.06	13.80	72.5°	23.3°	1.00	1.00
120°	8.73	4.37	12.25	81.9°	16.1°	1.00	1.00
135°	8.25	5.83	10.04	99.5°	12.5°	1.00	1.00
150°	7.70	6.67	8.28	122.3°	10.9°	1.00	1.00
165°	7.16	6.91	7.33	150.4°	9.1°	1.00	1.00
180°	6.84	6.84	7.16	180.0°	7.7°	1.00	1.00
166.7° (r)	7.10	6.91	7.27	153.7°	8.9°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
37.9° (b)	7.03	5.55	21.97	26.6°	25.2°	1.00	0.64
52°	7.92	4.88	21.79	35.4°	28.5°	1.00	0.71
60°	8.23	4.11	21.34	40.5°	29.6°	1.00	0.76
70°	8.55	2.92	20.56	47.0°	30.3°	1.00	0.86
75°	8.69	2.25	20.09	50.3°	30.5°	1.00	0.92
80°	8.83	1.53	19.57	53.6°	30.5°	1.00	1.00
90°	8.82	0.00	18.27	61.1°	19.4°	1.00	1.00
110°	9.28	3.17	15.51	75.8°	26.9°	0.96	1.00
120°	9.25	4.63	13.91	84.8°	17.8°	1.00	1.00
135°	8.71	6.16	11.61	102.9°	13.4°	1.00	1.00
150°	8.17	7.08	9.81	125.4°	11.4°	1.00	1.00
165°	7.71	7.45	8.78	151.9°	9.8°	1.00	1.00
180°	7.44	7.44	8.56	180.0°	7.9°	1.00	1.00
171.4° (r)	7.56	7.48	8.60	163.8°	8.9°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.3° (b)	7.11	5.50	25.90	29.3°	29.2°	0.65	0.60
52°	7.99	4.92	25.70	37.8°	30.5°	0.80	0.60
60°	8.33	4.17	25.22	43.4°	31.1°	0.97	0.60
70°	8.69	2.97	24.38	50.4°	31.2°	1.00	0.67
75°	8.86	2.29	23.88	54.0°	31.4°	1.00	0.72
80°	9.03	1.57	23.33	57.6°	31.5°	1.00	0.79
90°	9.35	0.00	22.08	64.9°	31.7°	1.00	0.96
110°	9.74	3.33	19.02	81.2°	26.9°	0.86	1.00
120°	10.17	5.08	17.32	89.4°	26.9°	0.95	1.00
135°	9.73	6.88	14.81	107.3°	16.0°	1.00	1.00
150°	9.04	7.83	12.99	129.6°	12.3°	1.00	1.00
165°	8.58	8.29	11.92	154.3°	10.8°	1.00	1.00
180°	8.32	8.32	11.68	180.0°	8.3°	1.00	1.00
173.6° (r)	8.40	8.35	11.69	169.0°	9.5°	1.00	1.00



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Polar Tables							
Boat Name: XC39v19_ap2_1040							
Sail No: ITA							
Sail: Jib							
Issued On: 7/17/2011 - VPP 2011 1.02							

TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.5° (b)	4.87	3.53	9.97	23.8°	4.3°	1.00	1.00
52°	5.40	3.33	10.12	27.1°	4.4°	1.00	1.00
60°	5.74	2.87	10.04	30.3°	4.3°	1.00	1.00
70°	5.98	2.05	9.70	34.5°	4.0°	1.00	1.00
75°	6.04	1.56	9.44	36.8°	3.8°	1.00	1.00
80°	6.05	1.05	9.12	39.2°	3.5°	1.00	1.00
90°	5.94	0.00	8.34	44.6°	2.9°	1.00	1.00
110°	5.21	1.78	6.37	59.9°	1.7°	1.00	1.00
120°	4.61	2.31	5.35	71.7°	1.2°	1.00	1.00
135°	3.72	2.63	4.17	95.9°	0.7°	1.00	1.00
150°	3.30	2.86	3.43	121.2°	0.5°	1.00	1.00
165°	3.10	2.99	2.98	149.4°	0.3°	1.00	1.00
180°	3.00	3.00	2.87	180.0°	0.1°	1.00	1.00
172.7° (r)	3.03	3.01	2.88	165.0°	0.2°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.1° (b)	5.87	4.29	12.71	24.4°	9.9°	1.00	1.00
52°	6.54	4.02	12.85	28.1°	10.2°	1.00	1.00
60°	6.81	3.41	12.63	31.9°	9.3°	1.00	1.00
70°	6.98	2.39	12.09	37.0°	7.4°	1.00	1.00
75°	7.02	1.82	11.75	39.7°	6.3°	1.00	1.00
80°	7.02	1.22	11.35	42.5°	5.3°	1.00	1.00
90°	6.93	0.00	10.44	48.4°	4.1°	1.00	1.00
110°	6.29	2.15	8.18	63.8°	2.4°	1.00	1.00
120°	5.65	2.82	6.99	75.6°	1.7°	1.00	1.00
135°	4.81	3.40	5.58	97.4°	1.0°	1.00	1.00
150°	4.32	3.74	4.62	122.1°	0.7°	1.00	1.00
165°	4.06	3.93	4.04	149.9°	0.5°	1.00	1.00
180°	3.94	3.94	3.89	180.0°	0.1°	1.00	1.00
173.0° (r)	3.98	3.95	3.90	165.8°	0.3°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
40.9° (b)	6.53	4.94	15.11	23.4°	19.0°	1.00	1.00
52°	7.25	4.46	15.07	28.7°	18.7°	1.00	1.00
60°	7.51	3.76	14.76	33.1°	16.8°	1.00	1.00
70°	7.65	2.61	14.13	39.0°	13.5°	1.00	1.00
75°	7.66	1.98	13.74	42.2°	11.7°	1.00	1.00
80°	7.65	1.33	13.30	45.4°	9.8°	1.00	1.00
90°	7.55	0.00	12.31	52.2°	5.9°	1.00	1.00
110°	6.98	2.39	9.87	68.4°	3.0°	1.00	1.00
120°	6.55	3.28	8.62	78.9°	2.2°	1.00	1.00
135°	5.71	4.04	7.02	99.9°	1.5°	1.00	1.00
150°	5.25	4.55	5.85	123.4°	1.1°	1.00	1.00
165°	4.99	4.82	5.13	150.4°	0.7°	1.00	1.00
180°	4.85	4.85	4.93	180.0°	0.2°	1.00	1.00
174.1° (r)	4.88	4.86	4.94	168.3°	0.4°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.1° (b)	6.75	5.24	17.13	23.2°	22.7°	1.00	0.87
52°	7.62	4.69	16.82	28.9°	26.6°	1.00	0.96
60°	7.93	3.97	16.37	33.2°	26.3°	1.00	1.00
70°	8.13	2.78	15.82	40.1°	21.0°	1.00	1.00
75°	8.15	2.11	15.46	43.7°	18.1°	1.00	1.00
80°	8.13	1.41	15.04	47.5°	15.2°	1.00	1.00
90°	8.00	0.00	14.05	55.3°	9.6°	1.00	1.00
110°	7.50	2.57	11.54	72.4°	3.6°	1.00	1.00
120°	7.13	3.56	10.23	82.9°	2.7°	1.00	1.00
135°	6.54	4.63	8.48	101.9°	1.9°	1.00	1.00
150°	6.09	5.27	7.14	124.8°	1.4°	1.00	1.00
165°	5.80	5.60	6.31	151.2°	0.9°	1.00	1.00
180°	5.65	5.65	6.08	180.0°	0.3°	1.00	1.00
174.8° (r)	5.69	5.66	6.09	170.0°	0.5°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
38.2° (b)	6.91	5.43	19.11	23.5°	24.1°	1.00	0.74
52°	7.80	4.80	18.62	30.3°	27.7°	1.00	0.82
60°	8.11	4.05	17.99	34.5°	28.8°	1.00	0.88
70°	8.41	2.88	17.00	40.1°	29.7°	1.00	0.99
75°	8.52	2.21	16.74	44.1°	26.4°	1.00	1.00
80°	8.55	1.49	16.48	48.6°	22.0°	1.00	1.00
90°	8.41	0.00	15.67	57.5°	14.0°	1.00	1.00
110°	7.90	2.70	13.22	75.9°	4.5°	1.00	1.00
120°	7.60	3.80	11.86	86.3°	3.3°	1.00	1.00
135°	7.12	5.04	10.00	104.8°	2.4°	1.00	1.00
150°	6.79	5.88	8.51	126.5°	1.8°	1.00	1.00
165°	6.57	6.34	7.54	152.0°	1.2°	1.00	1.00
180°	6.42	6.42	7.27	180.0°	0.4°	1.00	1.00
175.8° (r)	6.45	6.43	7.27	172.0°	0.6°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
37.9° (b)	7.03	5.55	21.02	24.1°	25.2°	1.00	0.64
52°	7.92	4.88	20.37	31.5°	28.5°	1.00	0.71
60°	8.23	4.11	19.65	36.0°	29.6°	1.00	0.76
70°	8.55	2.92	18.56	42.0°	30.3°	1.00	0.86
75°	8.69	2.25	17.96	45.2°	30.5°	1.00	0.92
80°	8.83	1.53	17.34	48.5°	30.5°	1.00	1.00
90°	8.82	0.00	17.08	58.9°	19.4°	1.00	1.00
110°	8.24	2.82	14.90	78.8°	5.9°	1.00	1.00
120°	7.97	3.98	13.51	89.4°	4.1°	1.00	1.00
135°	7.60	5.38	11.57	107.4°	3.0°	1.00	1.00
150°	7.34	6.36	9.98	128.5°	2.3°	1.00	1.00
165°	7.14	6.90	8.94	153.1°	1.5°	1.00	1.00
180°	7.01	7.01	8.63	180.0°	0.5°	1.00	1.00
176.9° (r)	7.03	7.02	8.63	174.4°	0.7°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.3° (b)	7.11	5.50	23.52	25.4°	29.2°	0.65	0.60
52°	7.99	4.92	23.20	33.0°	30.5°	0.80	0.60
60°	8.33	4.17	22.76	38.3°	31.1°	0.97	0.60
70°	8.69	2.97	21.64	45.3°	31.2°	1.00	0.67
75°	8.86	2.29	20.96	48.8°	31.4°	1.00	0.72
80°	9.03	1.57	20.24	52.4°	31.5°	1.00	0.79
90°	9.35	0.00	18.75	60.1°	31.7°	1.00	0.96
110°	8.97	3.07	18.01	82.7°	12.7°	1.00	1.00
120°	8.65	4.32	16.79	93.8°	7.8°	1.00	1.00
135°	8.34	5.90	14.83	111.7°	4.7°	1.00	1.00
150°	8.15	7.06	13.13	132.0°	3.4°	1.00	1.00
165°	8.01	7.74	11.99	155.1°	2.3°	1.00	1.00
180°	7.91	7.91	11.64	180.0°	0.8°	1.00	1.00
177.9° (r)	7.92	7.92	11.64	176.4°	1.0°	1.00	1.00



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Polar Tables							
Boat Name: XC39v19_ap2_1040							
Sail No: ITA							
Sail: Symmetric Spinnaker							
Issued On: 7/17/2011 - VPP 2011 1.02							

TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	4.31	2.15	8.88	34.8°	12.1°	1.00	1.00
70°	5.16	1.76	9.05	37.3°	12.7°	1.00	1.00
75°	5.48	1.42	9.00	38.7°	12.9°	1.00	1.00
80°	5.73	0.99	8.87	40.3°	13.1°	1.00	1.00
90°	6.01	0.00	8.37	44.1°	12.9°	1.00	1.00
110°	5.88	2.01	6.70	55.1°	11.9°	1.00	1.00
120°	5.65	2.83	5.73	62.3°	11.3°	1.00	1.00
135°	4.99	3.53	4.24	79.6°	9.8°	1.00	1.00
150°	4.09	3.54	3.16	110.2°	8.1°	1.00	1.00
165°	3.48	3.36	2.77	146.4°	7.5°	1.00	1.00
180°	3.23	3.23	2.76	180.0°	7.3°	1.00	1.00
141.9° (r)	4.58	3.60	3.65	92.1°	8.8°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	5.52	2.76	11.59	35.0°	15.0°	1.00	1.00
70°	6.50	2.22	11.69	37.9°	16.1°	1.00	1.00
75°	6.80	1.76	11.52	39.7°	16.4°	1.00	1.00
80°	6.99	1.21	11.24	41.9°	16.4°	1.00	1.00
90°	7.15	0.00	10.47	46.9°	15.9°	1.00	1.00
110°	7.09	2.42	8.48	59.0°	13.5°	1.00	1.00
120°	6.88	3.44	7.34	66.8°	12.2°	1.00	1.00
135°	6.24	4.41	5.57	83.8°	10.8°	1.00	1.00
150°	5.27	4.56	4.27	112.6°	8.8°	1.00	1.00
165°	4.57	4.41	3.75	146.9°	7.8°	1.00	1.00
180°	4.25	4.25	3.73	180.0°	7.4°	1.00	1.00
147.4° (r)	5.42	4.57	4.44	107.1°	9.1°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.57	3.28	14.10	35.2°	18.8°	1.00	1.00
70°	7.33	2.51	13.55	37.9°	25.8°	1.00	1.00
75°	7.55	1.95	13.19	40.0°	26.7°	1.00	1.00
80°	7.71	1.34	12.84	42.8°	25.9°	1.00	1.00
90°	7.87	0.00	12.12	49.5°	21.2°	1.00	1.00
110°	7.85	2.69	10.03	63.6°	15.7°	1.00	1.00
120°	7.66	3.83	8.81	72.3°	13.1°	1.00	1.00
135°	7.13	5.04	6.91	89.3°	11.4°	1.00	1.00
150°	6.33	5.48	5.43	115.1°	9.7°	1.00	1.00
165°	5.55	5.36	4.82	148.0°	8.2°	1.00	1.00
180°	5.21	5.21	4.77	180.0°	7.5°	1.00	1.00
150.1° (r)	6.32	5.48	5.42	115.4°	9.7°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.98	3.49	15.75	35.3°	26.6°	0.97	0.93
70°	7.58	2.59	15.16	40.2°	26.8°	0.92	0.93
75°	7.78	2.01	14.76	43.0°	26.8°	0.92	0.96
80°	7.93	1.38	14.29	45.8°	26.8°	0.92	1.00
90°	8.19	0.00	13.27	51.9°	26.9°	0.95	1.00
110°	8.42	2.88	11.55	67.9°	17.1°	1.00	1.00
120°	8.23	4.11	10.24	77.2°	15.0°	1.00	1.00
135°	7.76	5.49	8.30	94.8°	11.9°	1.00	1.00
150°	7.11	6.15	6.72	119.0°	10.5°	1.00	1.00
165°	6.47	6.25	5.95	149.0°	8.6°	1.00	1.00
180°	6.09	6.09	5.88	180.0°	7.6°	1.00	1.00
161.3° (r)	6.61	6.26	6.06	141.2°	9.0°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.16	3.58	17.49	37.0°	26.8°	0.92	0.80
70°	7.72	2.64	16.81	42.6°	26.9°	0.91	0.77
75°	7.90	2.05	16.36	45.7°	26.9°	0.91	0.78
80°	8.05	1.40	15.85	48.9°	26.9°	0.92	0.80
90°	8.34	0.00	14.74	55.5°	27.0°	0.93	0.83
110°	8.95	3.06	12.65	70.5°	23.3°	1.00	1.00
120°	8.73	4.37	11.71	81.3°	16.1°	1.00	1.00
135°	8.25	5.83	9.76	99.5°	12.5°	1.00	1.00
150°	7.70	6.67	8.13	122.6°	10.9°	1.00	1.00
165°	7.16	6.91	7.27	150.6°	9.1°	1.00	1.00
180°	6.84	6.84	7.13	180.0°	7.7°	1.00	1.00
166.7° (r)	7.10	6.91	7.22	154.0°	8.9°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	7.30	3.65	19.11	38.4°	26.7°	0.82	0.85
70°	7.84	2.68	18.34	44.5°	26.9°	0.82	0.84
75°	8.02	2.08	17.85	47.8°	26.9°	0.82	0.86
80°	8.18	1.42	17.31	51.2°	26.7°	0.82	0.87
90°	8.53	0.00	16.12	58.0°	26.9°	0.82	0.96
110°	9.28	3.17	13.70	73.3°	26.9°	0.96	1.00
120°	9.25	4.63	13.16	84.3°	17.8°	1.00	1.00
135°	8.71	6.16	11.25	103.1°	13.4°	1.00	1.00
150°	8.17	7.08	9.64	125.8°	11.4°	1.00	1.00
165°	7.71	7.45	8.71	152.1°	9.8°	1.00	1.00
180°	7.44	7.44	8.53	180.0°	7.9°	1.00	1.00
171.4° (r)	7.56	7.48	8.55	163.9°	8.9°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	-0.01	-0.01	17.39	56.7°	28.8°	0.82	0.60
70°	-0.01	0.00	17.07	67.5°	28.8°	0.82	0.60
75°	-0.01	0.00	16.94	73.0°	28.8°	0.82	0.60
80°	8.20	1.42	20.27	55.3°	27.9°	0.82	0.60
90°	8.73	0.00	19.17	62.9°	27.1°	0.82	0.69
110°	9.74	3.33	16.46	79.0°	26.9°	0.86	1.00
120°	10.17	5.08	15.10	88.5°	26.9°	0.95	1.00
135°	9.73	6.88	14.18	107.7°	16.0°	1.00	1.00
150°	9.04	7.83	12.74	130.2°	12.3°	1.00	1.00
165°	8.58	8.29	11.82	154.6°	10.8°	1.00	1.00
180°	8.32	8.32	11.64	180.0°	8.3°	1.00	1.00
173.6° (r)	8.40	8.35	11.63	169.1°	9.5°	1.00	1.00