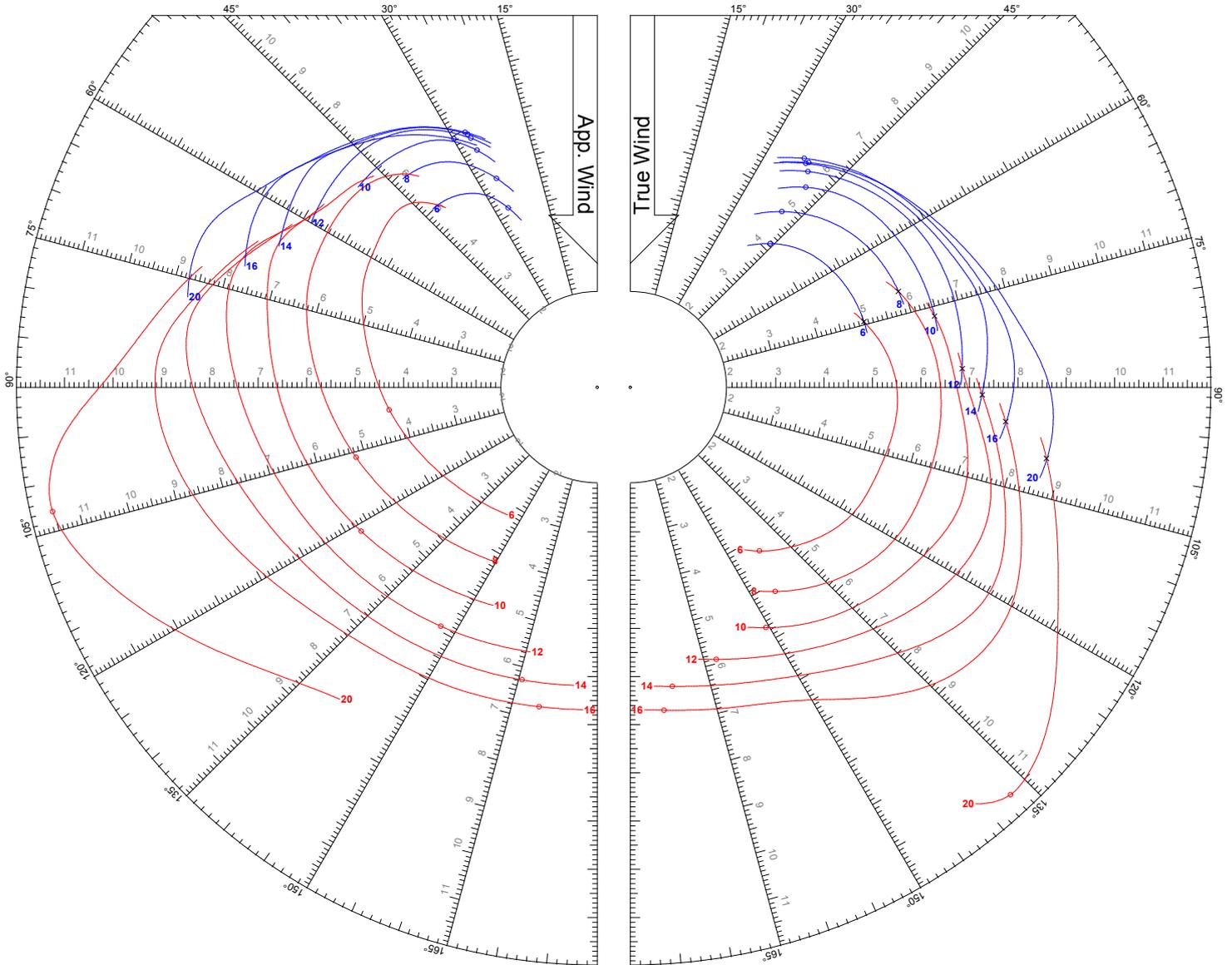




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Polar Plot for Boat

Name **J/70 ONE DESIGN**
Sail Number **USA 1**
Class
Designer **ALAN JOHNSTONE**
Builder
Issued On **4/30/2012 - VPP 2011 1.02**

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

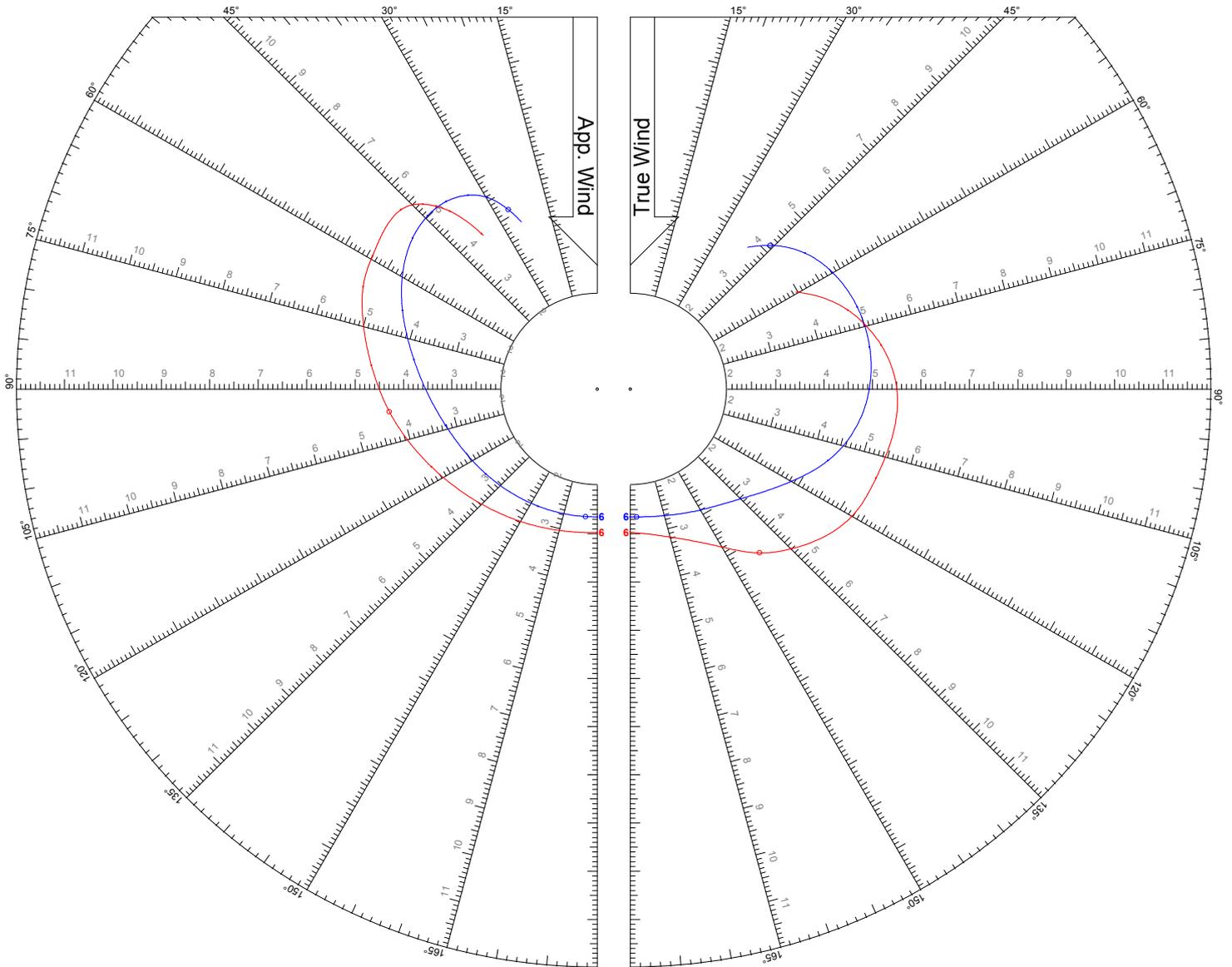
Jib

Asymmetric Spinnaker on Centerline



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Polar Plot for Boat

Name **J/70 ONE DESIGN**
Sail Number **USA 1**
Class
Designer **ALAN JOHNSTONE**
Builder
Issued On **4/30/2012 - VPP 2011 1.02**

TWS: 6 kts

Jib

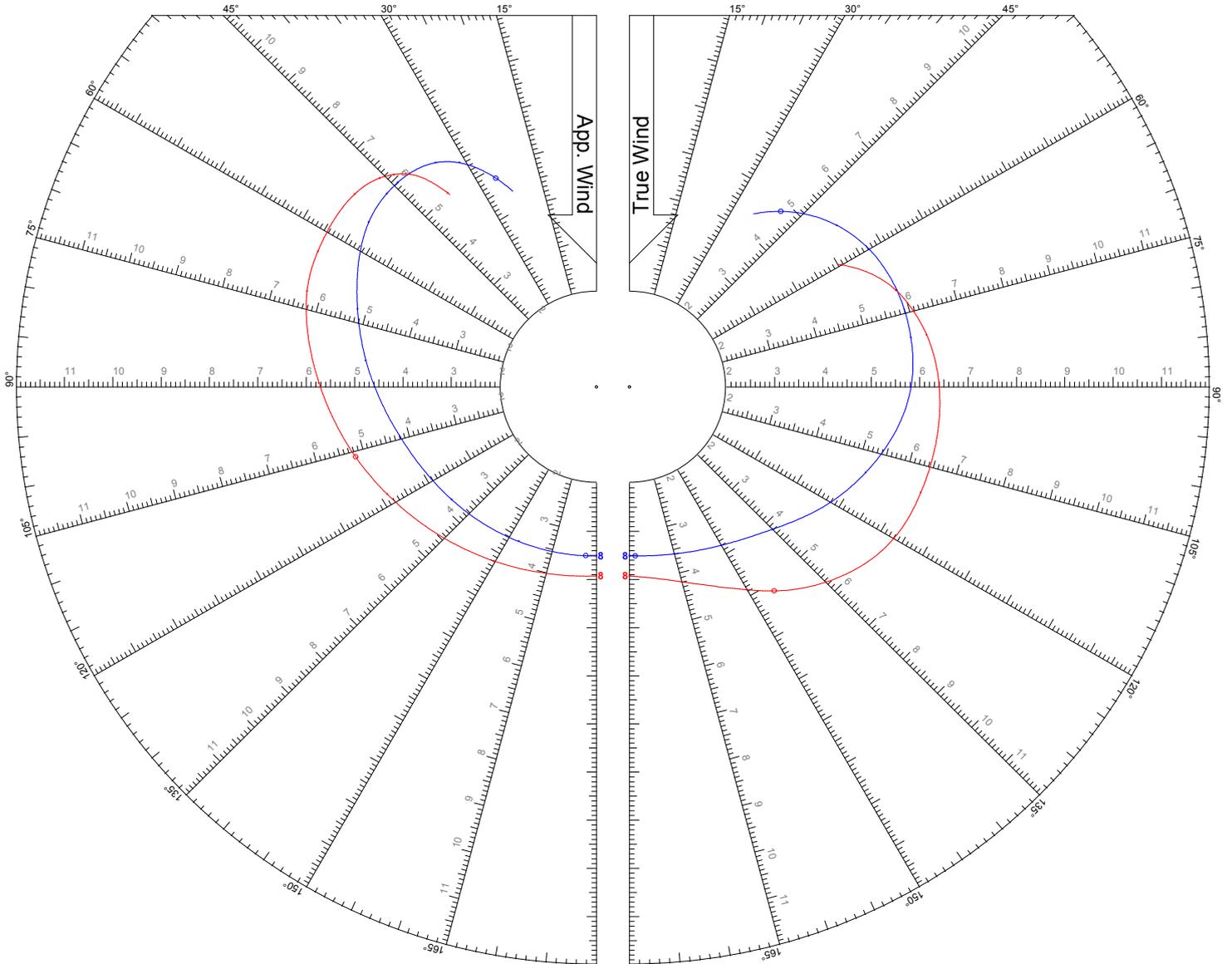
Asymmetric Spinnaker on Centerline



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Polar Plot for Boat

Name **J/70 ONE DESIGN**
Sail Number **USA 1**
Class
Designer **ALAN JOHNSTONE**
Builder
Issued On **4/30/2012 - VPP 2011 1.02**

TWS: 8 kts

Jib

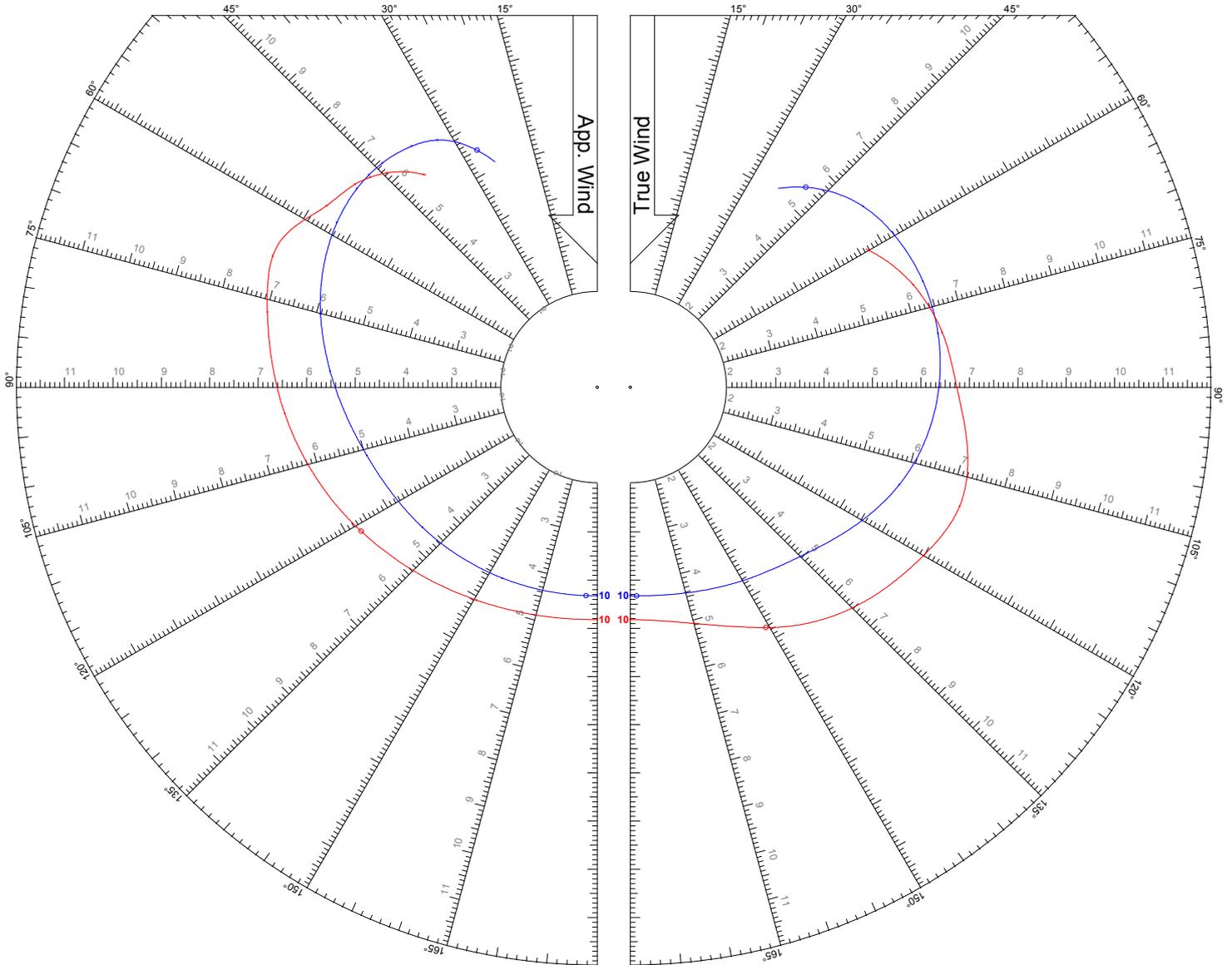
Asymmetric Spinnaker on Centerline



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Polar Plot for Boat

Name **J/70 ONE DESIGN**
Sail Number **USA 1**
Class
Designer **ALAN JOHNSTONE**
Builder
Issued On **4/30/2012 - VPP 2011 1.02**

TWS: 10 kts

Jib

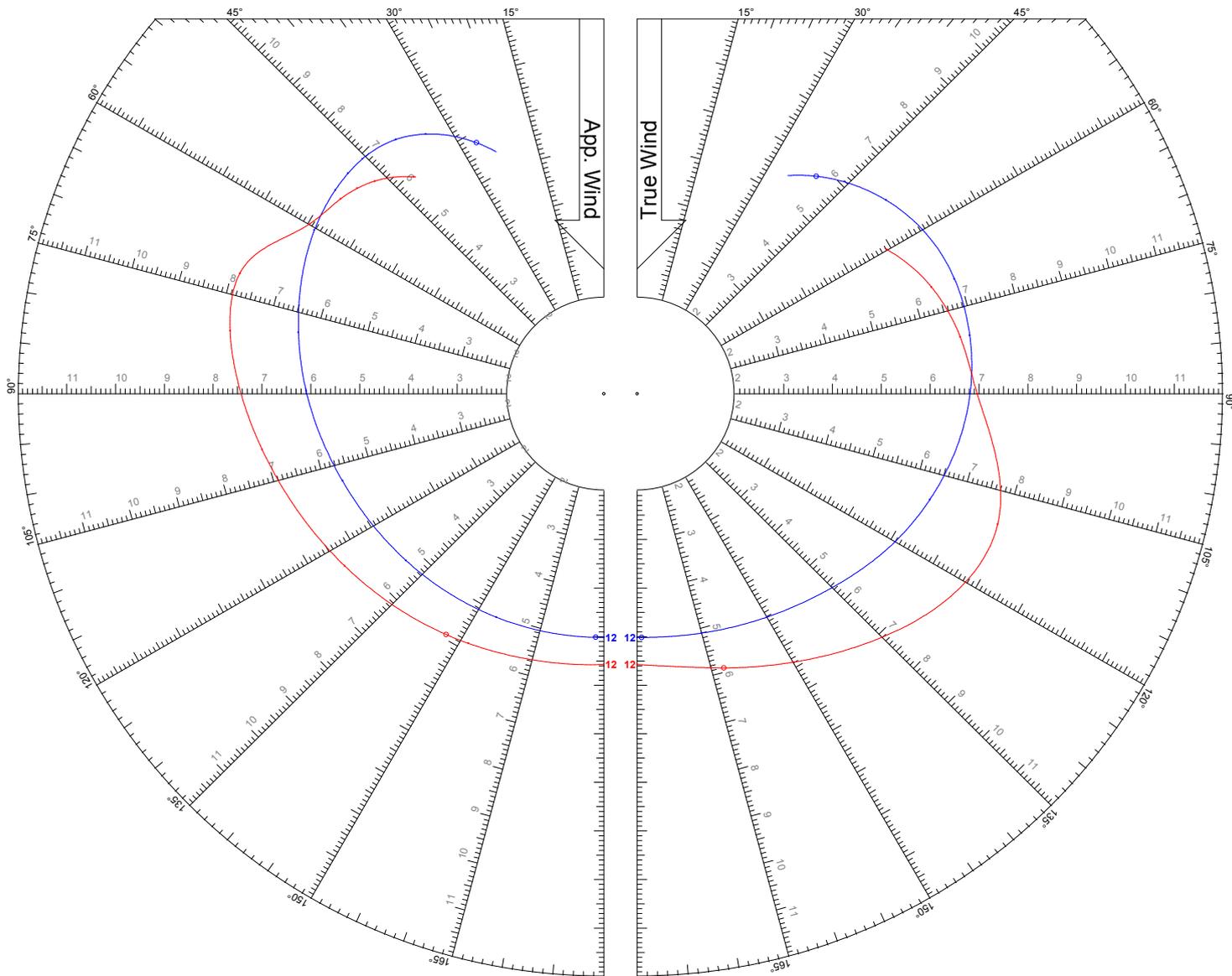
Asymmetric Spinnaker on Centerline



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Polar Plot for Boat	
Name	J/70 ONE DESIGN
Sail Number	USA 1
Class	
Designer	ALAN JOHNSTONE
Builder	
Issued On	4/30/2012 - VPP 2011 1.02

TWS: 12 kts

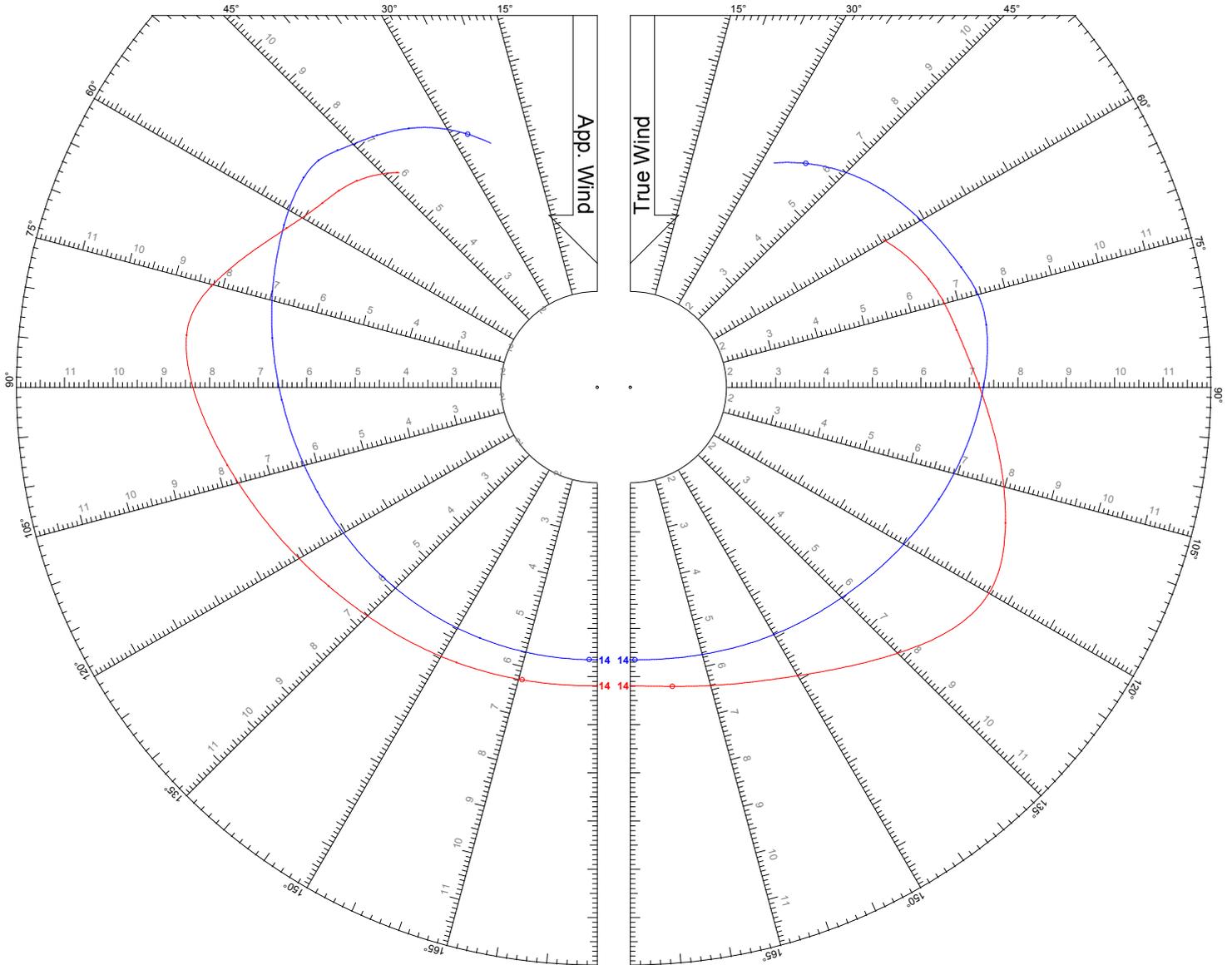
Jib

Asymmetric Spinnaker on Centerline



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Polar Plot for Boat

Name **J/70 ONE DESIGN**
Sail Number **USA 1**
Class
Designer **ALAN JOHNSTONE**
Builder
Issued On **4/30/2012 - VPP 2011 1.02**

TWS: 14 kts

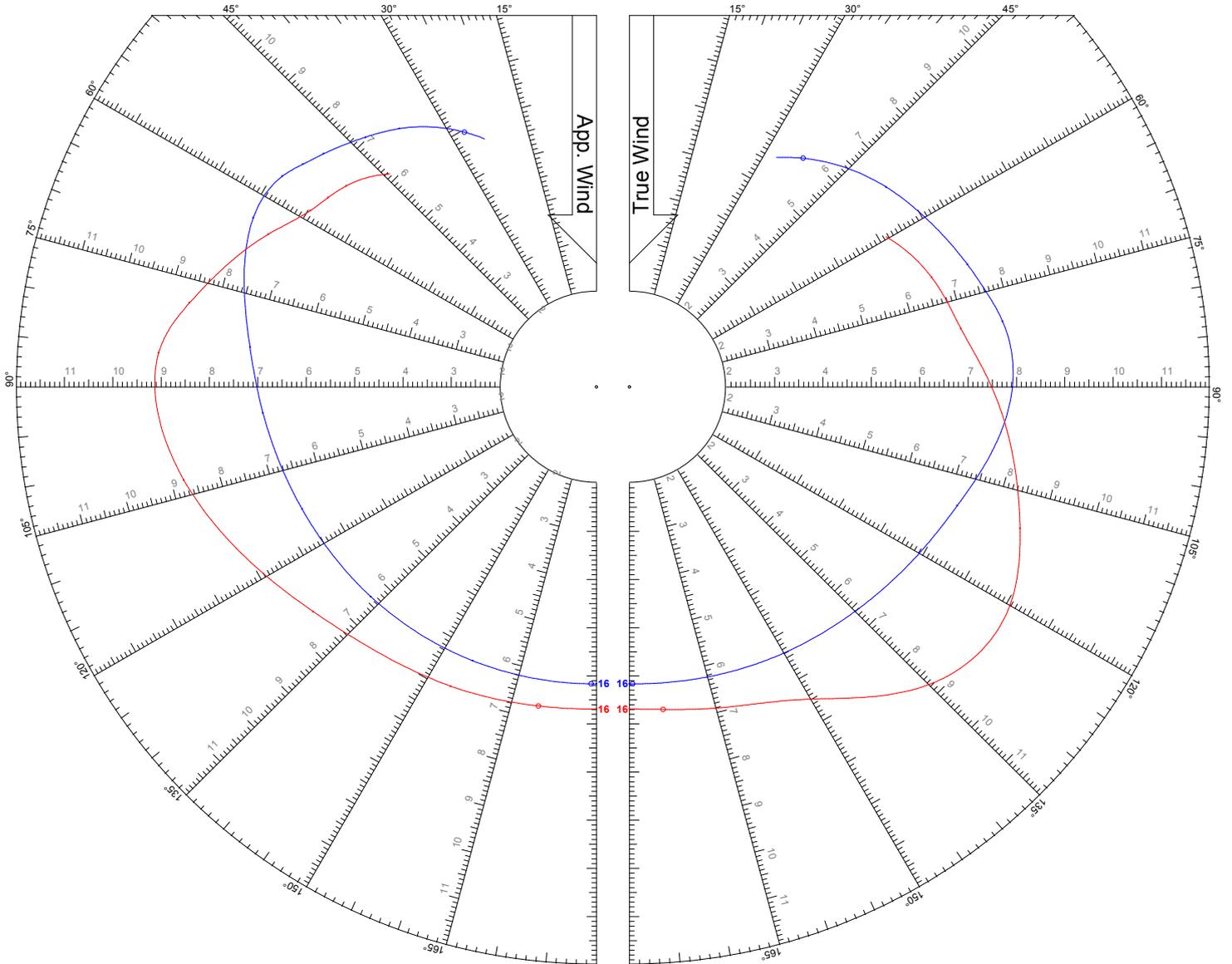
Jib

Asymmetric Spinnaker on Centerline



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Polar Plot for Boat

Name **J/70 ONE DESIGN**
Sail Number **USA 1**
Class
Designer **ALAN JOHNSTONE**
Builder
Issued On **4/30/2012 - VPP 2011 1.02**

TWS: 16 kts

Jib

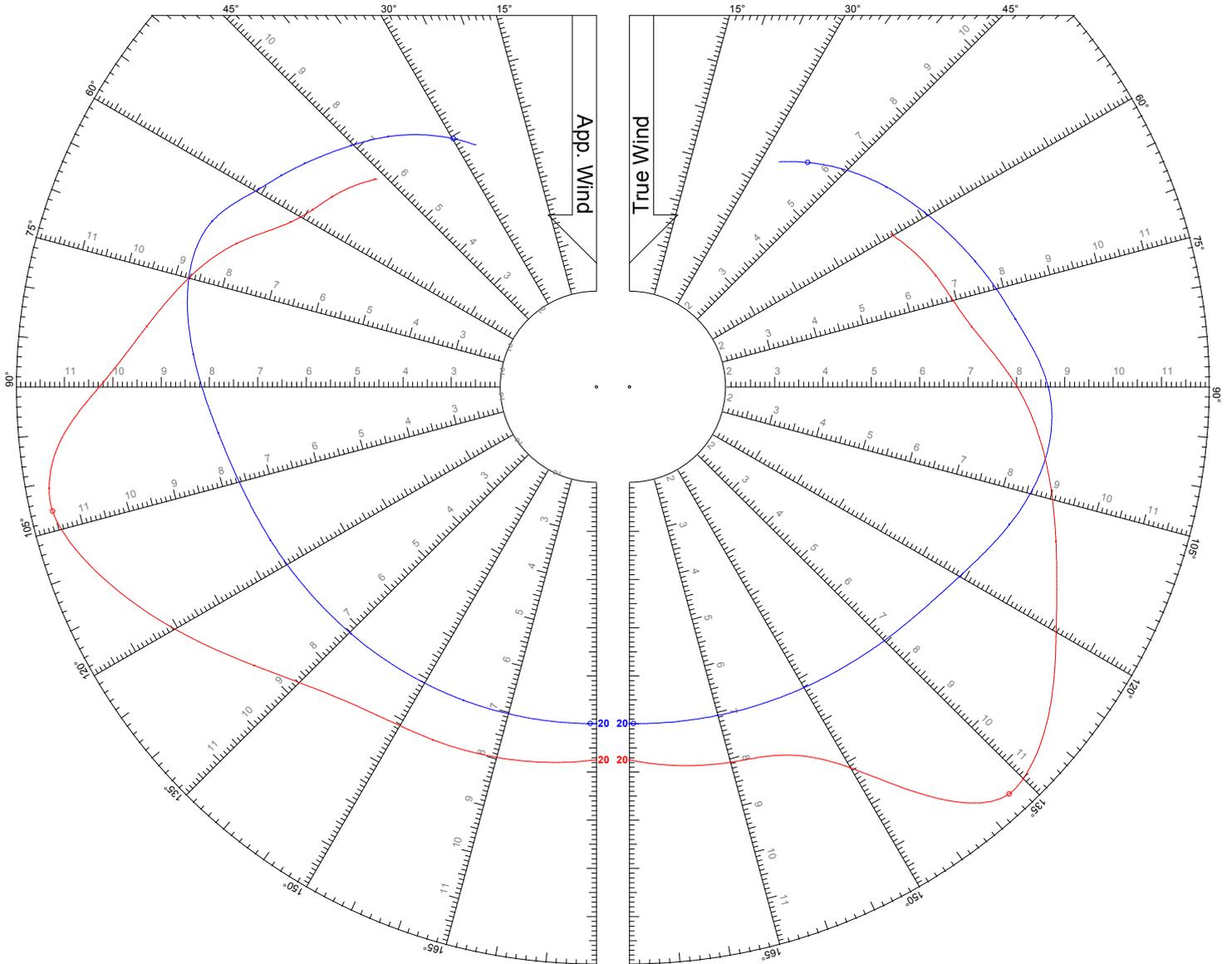
Asymmetric Spinnaker on Centerline



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Polar Plot for Boat	
Name	J/70 ONE DESIGN
Sail Number	USA 1
Class	
Designer	ALAN JOHNSTONE
Builder	
Issued On	4/30/2012 - VPP 2011 1.02

TWS: 20 kts

Jib

Asymmetric Spinnaker on Centerline



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Polar Tables							
Boat Name: J/70 ONE DESIGN							
Sail No: USA 1							
Sail: Best Performance							
Issued On: 4/30/2012 - VPP 2011 1.02							

TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.1° (b)	4.15	2.98	9.43	26.3°	3.0°	1.00	1.00
52°	4.58	2.82	9.53	29.8°	3.1°	1.00	1.00
60°	4.83	2.41	9.39	33.6°	3.0°	1.00	1.00
70°	4.98	1.70	9.02	38.7°	2.8°	1.00	1.00
75°	5.05	1.31	8.78	41.3°	15.5°	1.00	1.00
80°	5.26	0.91	8.64	43.2°	15.6°	1.00	1.00
90°	5.50	0.00	8.14	47.5°	15.5°	1.00	1.00
110°	5.40	1.85	6.56	59.3°	14.1°	1.00	1.00
120°	5.28	2.64	5.67	66.3°	12.9°	1.00	1.00
135°	4.69	3.32	4.27	84.0°	12.1°	1.00	1.00
150°	3.78	3.28	3.32	115.2°	11.7°	1.00	1.00
165°	3.18	3.07	3.04	149.3°	11.5°	1.00	1.00
180°	2.97	2.97	3.03	180.0°	11.5°	1.00	1.00
141.9° (r)	4.32	3.40	3.72	96.2°	11.8°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
40.7° (b)	4.80	3.64	12.06	25.6°	4.5°	1.00	1.00
52°	5.45	3.35	12.14	31.3°	4.5°	1.00	1.00
60°	5.72	2.86	11.94	35.5°	4.3°	1.00	1.00
70°	5.88	2.01	11.43	41.1°	3.9°	1.00	1.00
75°	6.08	1.57	11.23	43.5°	21.8°	1.00	1.00
80°	6.24	1.08	10.96	45.9°	22.2°	1.00	1.00
90°	6.40	0.00	10.25	51.3°	17.5°	1.00	1.00
110°	6.41	2.19	8.37	64.0°	15.9°	1.00	1.00
120°	6.31	3.15	7.30	71.6°	14.6°	1.00	1.00
135°	5.74	4.06	5.66	89.2°	12.5°	1.00	1.00
150°	4.87	4.21	4.50	117.3°	11.8°	1.00	1.00
165°	4.19	4.05	4.10	149.6°	11.6°	1.00	1.00
180°	3.93	3.93	4.07	180.0°	11.5°	1.00	1.00
144.8° (r)	5.19	4.24	4.81	106.3°	12.0°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.2° (b)	5.51	4.15	14.60	26.8°	11.8°	1.00	1.00
52°	6.10	3.75	14.57	32.7°	11.2°	1.00	1.00
60°	6.30	3.15	14.24	37.5°	9.0°	1.00	1.00
70°	6.43	2.20	13.61	43.7°	5.6°	1.00	1.00
75°	6.45	1.67	13.23	46.9°	4.9°	1.00	1.00
80°	6.54	1.14	12.86	50.0°	23.3°	0.95	0.85
90°	6.74	0.00	12.06	56.0°	23.4°	0.95	0.92
110°	7.23	2.47	10.14	67.9°	17.3°	1.00	1.00
120°	6.99	3.49	8.89	77.1°	15.7°	1.00	1.00
135°	6.48	4.58	7.10	94.8°	13.0°	1.00	1.00
150°	5.75	4.98	5.78	120.2°	12.0°	1.00	1.00
165°	5.07	4.90	5.27	150.6°	11.7°	1.00	1.00
180°	4.82	4.82	5.18	180.0°	11.5°	1.00	1.00
150.7° (r)	5.72	4.98	5.74	121.5°	12.0°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.4° (b)	5.79	4.47	16.88	26.8°	19.7°	1.00	0.91
52°	6.47	3.98	16.78	34.3°	21.9°	1.00	0.96
60°	6.75	3.37	16.45	39.2°	20.8°	1.00	1.00
70°	6.91	2.36	15.77	45.7°	13.9°	1.00	1.00
75°	6.93	1.79	15.33	49.1°	10.5°	1.00	1.00
80°	6.92	1.20	14.85	52.7°	7.3°	1.00	1.00
90°	6.96	0.00	13.87	59.9°	23.3°	0.85	0.93
110°	7.85	2.69	11.88	71.6°	24.1°	1.00	0.92
120°	7.76	3.88	10.54	80.4°	16.8°	1.00	1.00
135°	7.09	5.01	8.60	99.3°	14.0°	1.00	1.00
150°	6.38	5.53	7.22	123.8°	12.2°	1.00	1.00
165°	5.84	5.64	6.54	151.6°	11.7°	1.00	1.00
180°	5.57	5.57	6.43	180.0°	11.5°	1.00	1.00
162.5° (r)	5.92	5.64	6.60	146.9°	11.8°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
38.0° (b)	5.89	4.64	18.99	27.0°	20.8°	1.00	0.76
52°	6.63	4.08	18.82	35.9°	22.7°	1.00	0.81
60°	6.93	3.46	18.47	41.0°	23.1°	1.00	0.86
70°	7.27	2.49	17.85	47.5°	23.3°	1.00	0.95
75°	7.43	1.92	17.47	50.7°	21.8°	1.00	1.00
80°	7.46	1.30	16.97	54.3°	15.9°	1.00	1.00
90°	7.29	0.00	15.78	62.5°	6.5°	1.00	1.00
110°	8.24	2.82	13.60	75.3°	23.8°	0.89	1.00
120°	8.55	4.27	12.22	82.7°	23.8°	0.98	1.00
135°	7.80	5.52	10.12	102.0°	15.2°	1.00	1.00
150°	6.91	5.98	8.73	126.7°	12.5°	1.00	1.00
165°	6.41	6.19	7.99	153.0°	11.8°	1.00	1.00
180°	6.19	6.19	7.81	180.0°	11.6°	1.00	1.00
172.0° (r)	6.26	6.20	7.84	165.7°	11.7°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
37.1° (b)	5.95	4.75	21.06	27.3°	21.5°	1.00	0.65
52°	6.74	4.15	20.84	37.2°	23.2°	1.00	0.69
60°	7.05	3.52	20.46	42.6°	23.5°	1.00	0.74
70°	7.43	2.54	19.81	49.4°	23.6°	1.00	0.82
75°	7.63	1.98	19.43	52.7°	23.6°	1.00	0.88
80°	7.83	1.36	19.00	56.0°	23.7°	1.00	0.94
90°	7.91	0.00	17.85	63.7°	14.0°	1.00	1.00
110°	8.59	2.94	15.36	78.3°	23.8°	0.83	1.00
120°	9.08	4.54	13.90	85.5°	23.8°	0.91	1.00
135°	8.75	6.18	11.60	102.8°	15.9°	1.00	1.00
150°	7.49	6.48	10.23	128.5°	12.8°	1.00	1.00
165°	6.91	6.67	9.50	154.2°	12.0°	1.00	1.00
180°	6.69	6.69	9.31	180.0°	11.6°	1.00	1.00
174.0° (r)	6.73	6.70	9.33	169.7°	11.7°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
38.3° (b)	5.94	4.66	24.93	29.8°	24.2°	0.54	0.60
52°	6.74	4.15	24.73	39.6°	24.9°	0.67	0.60
60°	7.13	3.56	24.36	45.3°	24.9°	0.84	0.60
70°	7.61	2.60	23.71	52.4°	24.2°	1.00	0.62
75°	7.85	2.03	23.30	56.0°	24.2°	1.00	0.67
80°	8.10	1.41	22.85	59.6°	24.2°	1.00	0.72
90°	8.66	0.00	21.79	66.6°	24.1°	1.00	0.86
110°	9.38	3.21	18.96	82.3°	23.8°	0.72	1.00
120°	10.19	5.09	17.32	89.4°	23.8°	0.80	1.00
135°	11.51	8.14	14.39	100.6°	23.8°	0.98	1.00
150°	9.14	7.91	12.92	129.3°	14.4°	1.00	1.00
165°	8.07	7.80	12.38	155.3°	12.3°	1.00	1.00
180°	7.75	7.75	12.25	180.0°	11.7°	1.00	1.00
137.1° (r)	11.53	8.45	13.96	102.9°	19.0°	1.00	1.00



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Polar Tables							
Boat Name: J/70 ONE DESIGN							
Sail No: USA 1							
Sail: Jib							
Issued On: 4/30/2012 - VPP 2011 1.02							

TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
44.1° (b)	4.15	2.98	8.93	25.2°	3.0°	1.00	1.00
52°	4.58	2.82	9.04	28.5°	3.1°	1.00	1.00
60°	4.83	2.41	8.92	32.0°	3.0°	1.00	1.00
70°	4.98	1.70	8.57	36.8°	2.8°	1.00	1.00
75°	5.02	1.30	8.32	39.4°	2.6°	1.00	1.00
80°	5.02	0.87	8.04	42.1°	2.5°	1.00	1.00
90°	4.93	0.00	7.37	47.9°	2.1°	1.00	1.00
110°	4.34	1.48	5.70	64.4°	1.3°	1.00	1.00
120°	3.83	1.92	4.86	77.0°	0.9°	1.00	1.00
135°	3.22	2.28	3.92	99.5°	0.6°	1.00	1.00
150°	2.90	2.51	3.30	124.0°	0.4°	1.00	1.00
165°	2.72	2.63	2.93	151.1°	0.3°	1.00	1.00
180°	2.65	2.65	2.82	180.0°	0.1°	1.00	1.00
177.1° (r)	2.66	2.65	2.82	174.4°	0.1°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
40.7° (b)	4.80	3.64	11.37	24.6°	4.5°	1.00	1.00
52°	5.45	3.35	11.47	30.0°	4.5°	1.00	1.00
60°	5.72	2.86	11.29	33.9°	4.3°	1.00	1.00
70°	5.88	2.01	10.81	39.2°	3.9°	1.00	1.00
75°	5.91	1.53	10.50	42.1°	3.6°	1.00	1.00
80°	5.91	1.03	10.14	45.0°	3.4°	1.00	1.00
90°	5.82	0.00	9.33	51.4°	2.8°	1.00	1.00
110°	5.20	1.78	7.37	68.5°	1.7°	1.00	1.00
120°	4.80	2.40	6.42	79.7°	1.3°	1.00	1.00
135°	4.18	2.96	5.25	100.7°	0.9°	1.00	1.00
150°	3.80	3.29	4.43	124.6°	0.7°	1.00	1.00
165°	3.59	3.47	3.94	151.4°	0.5°	1.00	1.00
180°	3.51	3.51	3.79	180.0°	0.1°	1.00	1.00
178.0° (r)	3.51	3.51	3.79	176.1°	0.2°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.2° (b)	5.51	4.15	13.67	25.4°	11.8°	1.00	1.00
52°	6.10	3.75	13.65	31.0°	11.2°	1.00	1.00
60°	6.30	3.15	13.36	35.7°	9.0°	1.00	1.00
70°	6.43	2.20	12.80	41.8°	5.6°	1.00	1.00
75°	6.45	1.67	12.43	44.9°	4.9°	1.00	1.00
80°	6.45	1.12	12.03	48.1°	4.4°	1.00	1.00
90°	6.37	0.00	11.11	55.0°	3.5°	1.00	1.00
110°	5.91	2.02	9.01	72.0°	2.2°	1.00	1.00
120°	5.52	2.76	7.95	83.0°	1.7°	1.00	1.00
135°	4.96	3.51	6.62	103.0°	1.2°	1.00	1.00
150°	4.63	4.01	5.61	125.6°	1.0°	1.00	1.00
165°	4.42	4.27	4.99	151.8°	0.6°	1.00	1.00
180°	4.33	4.33	4.80	180.0°	0.2°	1.00	1.00
178.3° (r)	4.33	4.33	4.80	176.7°	0.3°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.4° (b)	5.79	4.47	15.58	24.5°	19.7°	1.00	0.91
52°	6.47	3.98	15.32	31.1°	21.9°	1.00	0.96
60°	6.75	3.37	15.00	35.8°	20.8°	1.00	1.00
70°	6.91	2.36	14.56	43.0°	13.9°	1.00	1.00
75°	6.93	1.79	14.24	46.7°	10.5°	1.00	1.00
80°	6.92	1.20	13.85	50.5°	7.3°	1.00	1.00
90°	6.82	0.00	12.86	58.0°	4.4°	1.00	1.00
110°	6.38	2.18	10.61	75.6°	2.6°	1.00	1.00
120°	6.10	3.05	9.49	86.2°	2.1°	1.00	1.00
135°	5.65	3.99	8.02	105.2°	1.6°	1.00	1.00
150°	5.31	4.60	6.88	127.3°	1.3°	1.00	1.00
165°	5.10	4.93	6.16	152.6°	0.9°	1.00	1.00
180°	5.02	5.02	5.93	180.0°	0.3°	1.00	1.00
178.9° (r)	5.02	5.02	5.93	178.0°	0.3°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
38.0° (b)	5.89	4.64	17.44	24.6°	20.8°	1.00	0.76
52°	6.63	4.08	17.07	32.5°	22.7°	1.00	0.81
60°	6.93	3.46	16.61	37.2°	23.1°	1.00	0.86
70°	7.27	2.49	15.89	43.2°	23.3°	1.00	0.95
75°	7.43	1.92	15.57	46.6°	21.8°	1.00	1.00
80°	7.46	1.30	15.42	51.2°	15.9°	1.00	1.00
90°	7.29	0.00	14.62	60.1°	6.5°	1.00	1.00
110°	6.78	2.32	12.22	78.6°	3.2°	1.00	1.00
120°	6.52	3.26	11.05	89.3°	2.5°	1.00	1.00
135°	6.17	4.36	9.47	107.6°	2.0°	1.00	1.00
150°	5.92	5.13	8.19	128.8°	1.6°	1.00	1.00
165°	5.74	5.54	7.38	153.4°	1.1°	1.00	1.00
180°	5.65	5.65	7.12	180.0°	0.4°	1.00	1.00
179.0° (r)	5.65	5.65	7.12	178.2°	0.4°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
37.1° (b)	5.95	4.75	19.25	24.9°	21.5°	1.00	0.65
52°	6.74	4.15	18.77	33.8°	23.2°	1.00	0.69
60°	7.05	3.52	18.27	38.8°	23.5°	1.00	0.74
70°	7.43	2.54	17.50	45.1°	23.6°	1.00	0.82
75°	7.63	1.98	17.07	48.3°	23.6°	1.00	0.88
80°	7.83	1.36	16.59	51.5°	23.7°	1.00	0.94
90°	7.91	0.00	16.16	60.7°	14.0°	1.00	1.00
110°	7.21	2.47	13.86	80.8°	3.8°	1.00	1.00
120°	6.92	3.46	12.63	91.7°	3.0°	1.00	1.00
135°	6.59	4.66	10.96	109.9°	2.4°	1.00	1.00
150°	6.38	5.53	9.61	130.6°	1.9°	1.00	1.00
165°	6.24	6.02	8.72	154.3°	1.4°	1.00	1.00
180°	6.17	6.17	8.43	180.0°	0.5°	1.00	1.00
179.4° (r)	6.17	6.17	8.43	178.9°	0.5°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
38.3° (b)	5.94	4.66	21.26	26.4°	24.2°	0.54	0.60
52°	6.74	4.15	21.13	35.3°	24.9°	0.67	0.60
60°	7.13	3.56	21.01	40.9°	24.9°	0.84	0.60
70°	7.61	2.60	20.66	48.3°	24.2°	1.00	0.62
75°	7.85	2.03	20.18	51.7°	24.2°	1.00	0.67
80°	8.10	1.41	19.67	55.2°	24.2°	1.00	0.72
90°	8.66	0.00	18.56	62.2°	24.1°	1.00	0.86
110°	8.36	2.86	17.13	82.9°	7.0°	1.00	1.00
120°	7.88	3.94	15.80	94.5°	4.3°	1.00	1.00
135°	7.45	5.27	13.98	112.9°	3.4°	1.00	1.00
150°	7.21	6.25	12.52	133.3°	2.7°	1.00	1.00
165°	7.06	6.82	11.56	155.9°	1.9°	1.00	1.00
180°	6.99	6.99	11.25	180.0°	0.8°	1.00	1.00
179.3° (r)	7.00	6.99	11.25	178.9°	0.8°	1.00	1.00



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Polar Tables							
Boat Name: J/70 ONE DESIGN							
Sail No: USA 1							
Sail: Asymmetric Spinnaker on CL							
Issued On: 4/30/2012 - VPP 2011 1.02							

TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	4.01	2.00	8.28	34.6°	14.4°	1.00	1.00
70°	4.78	1.64	8.40	37.2°	15.2°	1.00	1.00
75°	5.05	1.31	8.33	38.7°	15.5°	1.00	1.00
80°	5.26	0.91	8.19	40.4°	15.6°	1.00	1.00
90°	5.50	0.00	7.71	44.4°	15.5°	1.00	1.00
110°	5.40	1.85	6.18	55.7°	14.1°	1.00	1.00
120°	5.28	2.64	5.34	62.4°	12.9°	1.00	1.00
135°	4.69	3.32	3.95	79.5°	12.1°	1.00	1.00
150°	3.78	3.28	2.95	111.4°	11.7°	1.00	1.00
165°	3.18	3.07	2.66	147.6°	11.5°	1.00	1.00
180°	2.97	2.97	2.64	180.0°	11.5°	1.00	1.00
141.9° (r)	4.32	3.40	3.39	91.6°	11.8°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	5.07	2.53	10.76	35.2°	16.4°	1.00	1.00
70°	5.87	2.01	10.70	38.2°	18.9°	1.00	1.00
75°	6.08	1.57	10.40	39.8°	21.8°	1.00	1.00
80°	6.24	1.08	10.12	42.0°	22.2°	1.00	1.00
90°	6.40	0.00	9.57	48.0°	17.5°	1.00	1.00
110°	6.41	2.19	7.77	60.2°	15.9°	1.00	1.00
120°	6.31	3.15	6.77	67.7°	14.6°	1.00	1.00
135°	5.74	4.06	5.18	85.0°	12.5°	1.00	1.00
150°	4.87	4.21	4.00	113.8°	11.8°	1.00	1.00
165°	4.19	4.05	3.58	148.0°	11.6°	1.00	1.00
180°	3.93	3.93	3.55	180.0°	11.5°	1.00	1.00
144.8° (r)	5.19	4.24	4.32	102.4°	12.0°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	5.68	2.84	12.71	35.8°	22.2°	1.00	0.83
70°	6.21	2.13	12.29	40.4°	23.0°	0.96	0.79
75°	6.40	1.66	11.99	42.9°	23.3°	0.96	0.79
80°	6.54	1.14	11.63	45.6°	23.3°	0.95	0.85
90°	6.74	0.00	10.80	51.4°	23.4°	0.95	0.92
110°	7.23	2.47	9.29	64.2°	17.3°	1.00	1.00
120°	6.99	3.49	8.12	73.4°	15.7°	1.00	1.00
135°	6.48	4.58	6.44	91.2°	13.0°	1.00	1.00
150°	5.75	4.98	5.14	117.1°	12.0°	1.00	1.00
165°	5.07	4.90	4.62	149.1°	11.7°	1.00	1.00
180°	4.82	4.82	4.54	180.0°	11.5°	1.00	1.00
150.7° (r)	5.72	4.98	5.10	118.6°	12.0°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	5.92	2.96	14.37	37.6°	22.4°	0.89	0.78
70°	6.42	2.19	13.85	42.9°	23.1°	0.87	0.77
75°	6.59	1.70	13.46	45.7°	23.3°	0.85	0.85
80°	6.72	1.17	13.07	48.8°	23.3°	0.85	0.86
90°	6.96	0.00	12.17	55.1°	23.3°	0.85	0.93
110°	7.85	2.69	10.35	66.9°	24.1°	1.00	0.92
120°	7.76	3.88	9.52	76.8°	16.8°	1.00	1.00
135°	7.09	5.01	7.73	96.2°	14.0°	1.00	1.00
150°	6.38	5.53	6.42	121.3°	12.2°	1.00	1.00
165°	5.84	5.64	5.75	150.4°	11.7°	1.00	1.00
180°	5.57	5.57	5.65	180.0°	11.5°	1.00	1.00
162.5° (r)	5.92	5.64	5.82	145.5°	11.8°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.07	3.04	15.97	39.2°	22.5°	0.81	0.76
70°	6.55	2.24	15.35	45.0°	23.1°	0.79	0.79
75°	6.71	1.74	14.93	48.2°	23.3°	0.78	0.85
80°	6.84	1.19	14.50	51.5°	23.3°	0.78	0.86
90°	7.21	0.00	13.59	58.0°	23.2°	0.78	0.93
110°	8.24	2.82	11.62	70.5°	23.8°	0.89	1.00
120°	8.55	4.27	10.45	78.5°	23.8°	0.98	1.00
135°	7.80	5.52	9.03	99.2°	15.2°	1.00	1.00
150°	6.91	5.98	7.77	124.7°	12.5°	1.00	1.00
165°	6.41	6.19	7.07	152.0°	11.8°	1.00	1.00
180°	6.19	6.19	6.90	180.0°	11.6°	1.00	1.00
172.0° (r)	6.26	6.20	6.94	165.2°	11.7°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.18	3.09	17.54	40.6°	22.5°	0.75	0.75
70°	6.65	2.27	16.81	46.8°	23.1°	0.71	0.85
75°	6.80	1.76	16.38	50.3°	23.2°	0.71	0.86
80°	6.96	1.21	15.90	53.7°	23.1°	0.70	0.92
90°	7.49	0.00	15.05	60.2°	23.2°	0.72	0.92
110°	8.59	2.94	12.93	73.6°	23.8°	0.83	1.00
120°	9.08	4.54	11.72	81.3°	23.8°	0.91	1.00
135°	8.75	6.18	10.31	100.1°	15.9°	1.00	1.00
150°	7.49	6.48	9.11	126.8°	12.8°	1.00	1.00
165°	6.91	6.67	8.44	153.3°	12.0°	1.00	1.00
180°	6.69	6.69	8.28	180.0°	11.6°	1.00	1.00
174.0° (r)	6.73	6.70	8.29	169.4°	11.7°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.29	3.14	20.56	43.0°	22.4°	0.63	0.81
70°	6.74	2.31	19.75	49.9°	22.9°	0.62	0.86
75°	6.93	1.79	19.27	53.6°	22.9°	0.60	0.91
80°	7.19	1.25	18.83	57.1°	22.8°	0.60	0.93
90°	8.01	0.00	17.97	63.5°	23.3°	0.64	0.93
110°	9.38	3.21	15.62	77.8°	23.8°	0.72	1.00
120°	10.19	5.09	14.28	85.1°	23.8°	0.80	1.00
135°	11.51	8.14	12.04	97.4°	23.8°	0.98	1.00
150°	9.14	7.91	11.46	127.9°	14.4°	1.00	1.00
165°	8.07	7.80	11.06	154.7°	12.3°	1.00	1.00
180°	7.75	7.75	10.96	180.0°	11.7°	1.00	1.00
137.1° (r)	11.53	8.45	12.15	100.0°	19.0°	1.00	1.00