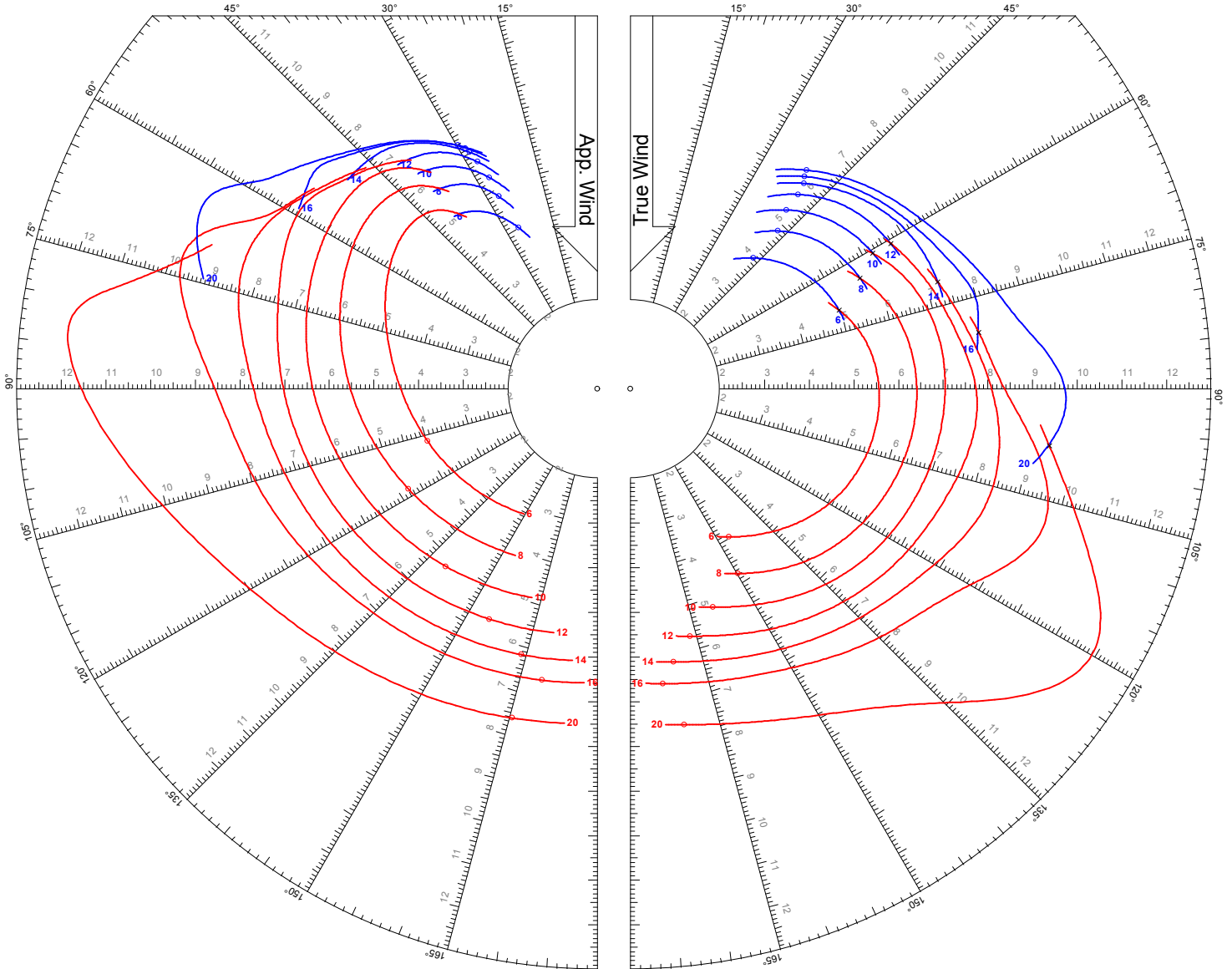




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Polar Plot for Boat

Name **W700 LD**
Sail Number
Class **Waarschip 700 LD**
Designer **Peltzer**
Builder **Waarschip**
Issued On **11/11/2010 - VPP 2010 1.11**

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

Jib

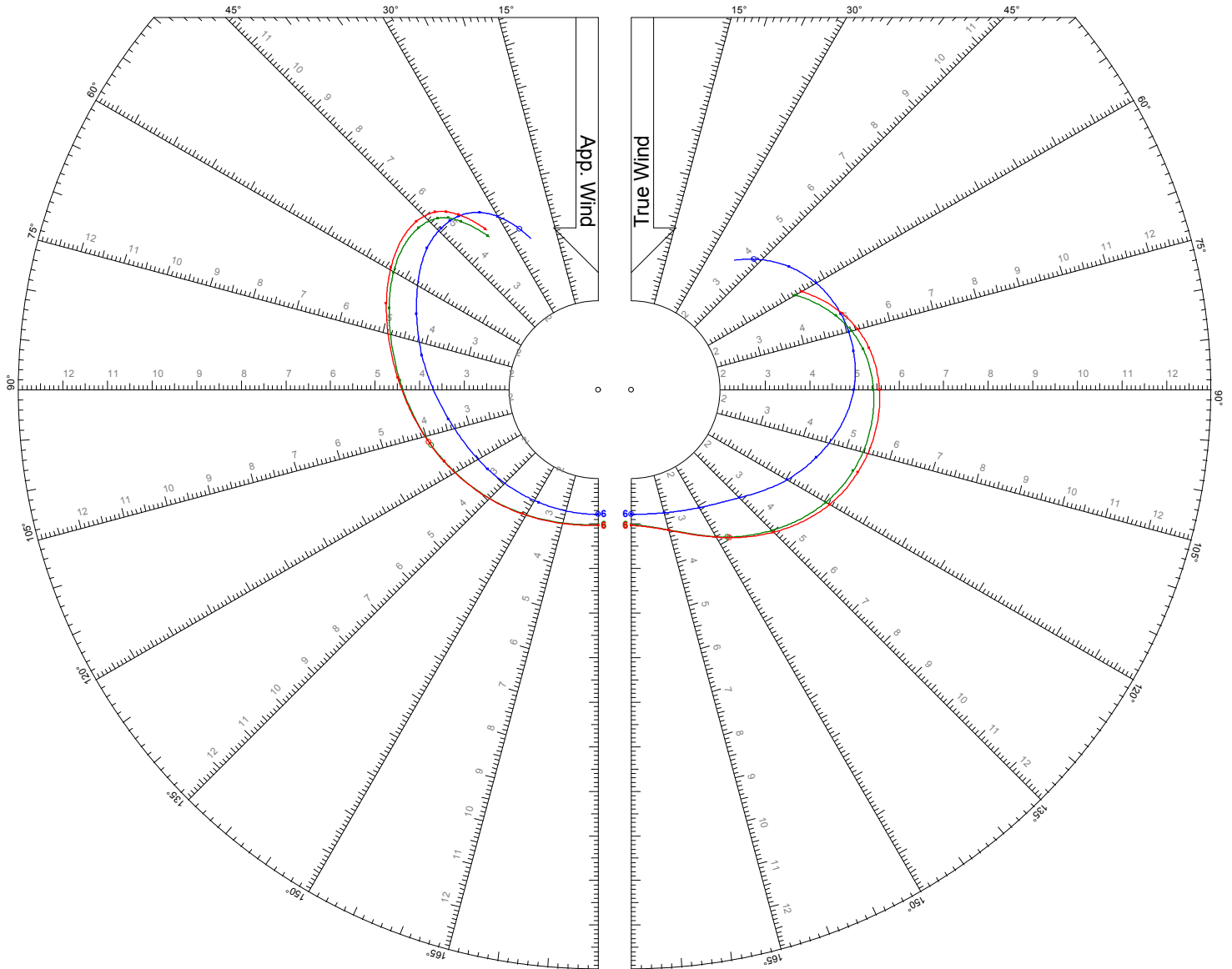
Symmetric Spinnaker

Asymmetric Spinnaker on Pole



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Polar Plot for Boat

Name **W700 LD**
Sail Number
Class **Waarschip 700 LD**
Designer **Peltzer**
Builder **Waarschip**
Issued On **11/11/2010 - VPP 2010 1.11**

TWS: 6 kts

Jib

Symmetric Spinnaker

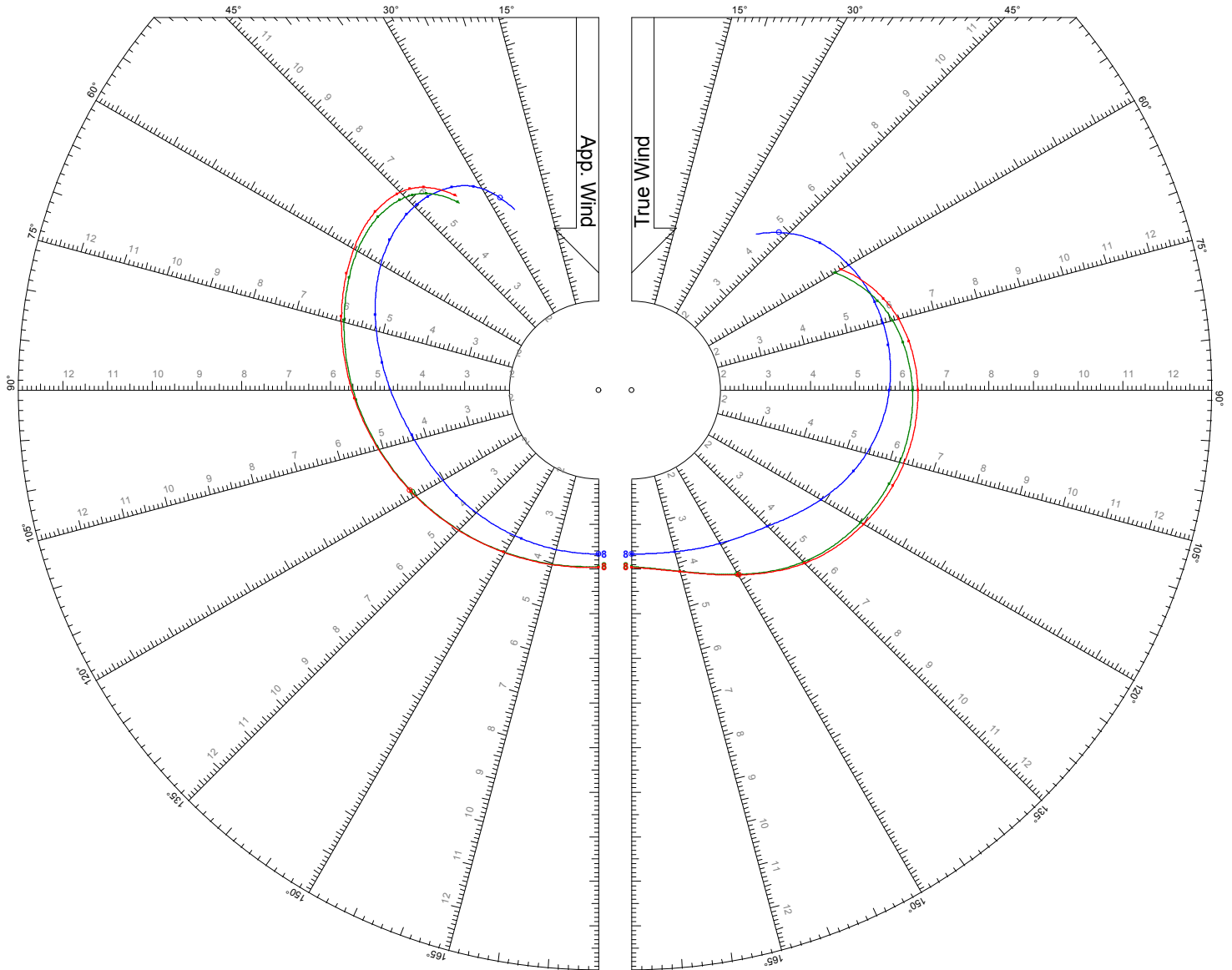
Asymmetric Spinnaker on Pole



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Polar Plot for Boat

Name **W700 LD**
Sail Number
Class **Waarschip 700 LD**
Designer **Peltzer**
Builder **Waarschip**
Issued On **11/11/2010 - VPP 2010 1.11**

TWS: 8 kts

Jib

Symmetric Spinnaker

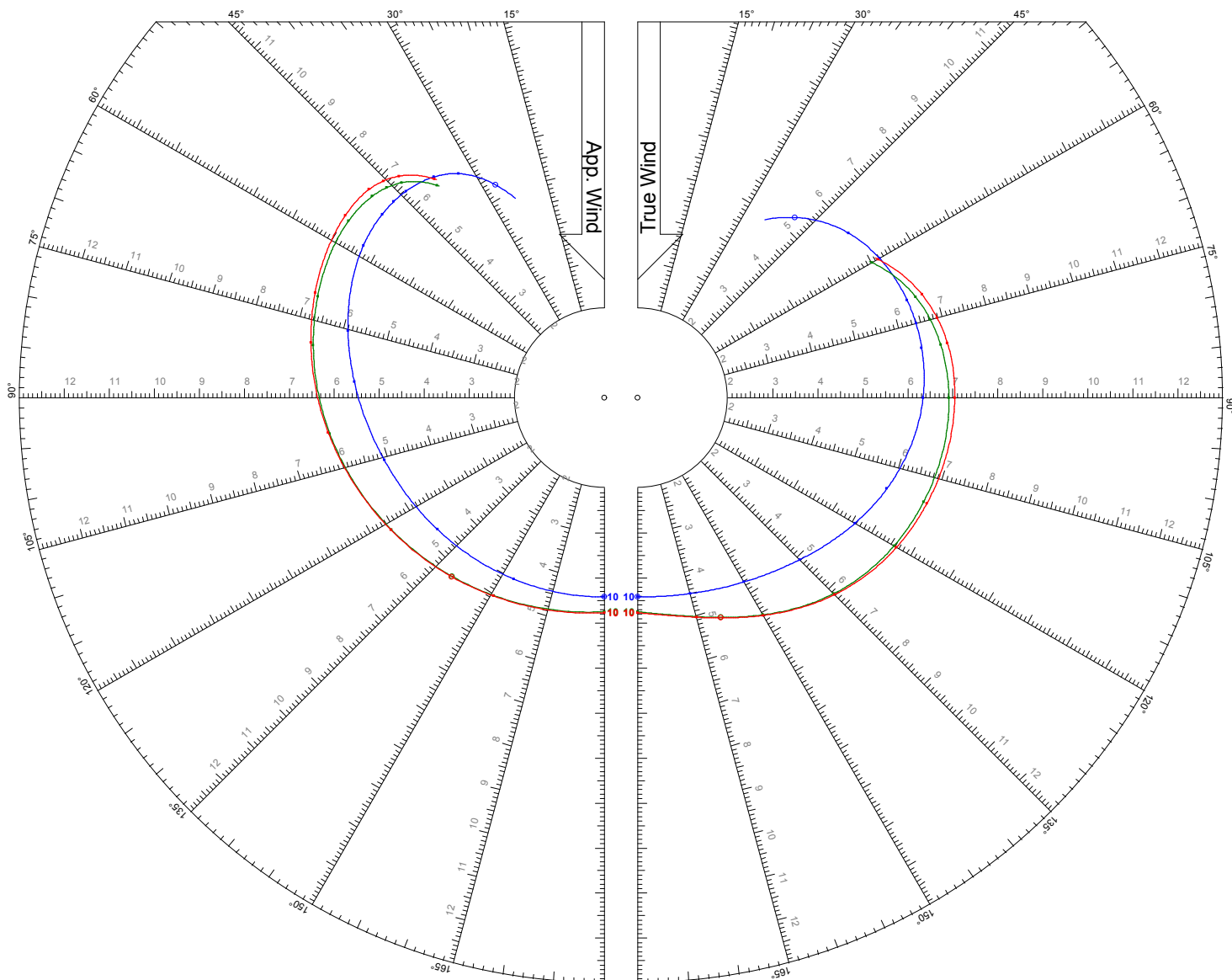
Asymmetric Spinnaker on Pole



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Polar Plot for Boat

Name **W700 LD**
Sail Number
Class **Waarschip 700 LD**
Designer **Peltzer**
Builder **Waarschip**
Issued On **11/11/2010 - VPP 2010 1.11**

TWS: 10 kts

Jib

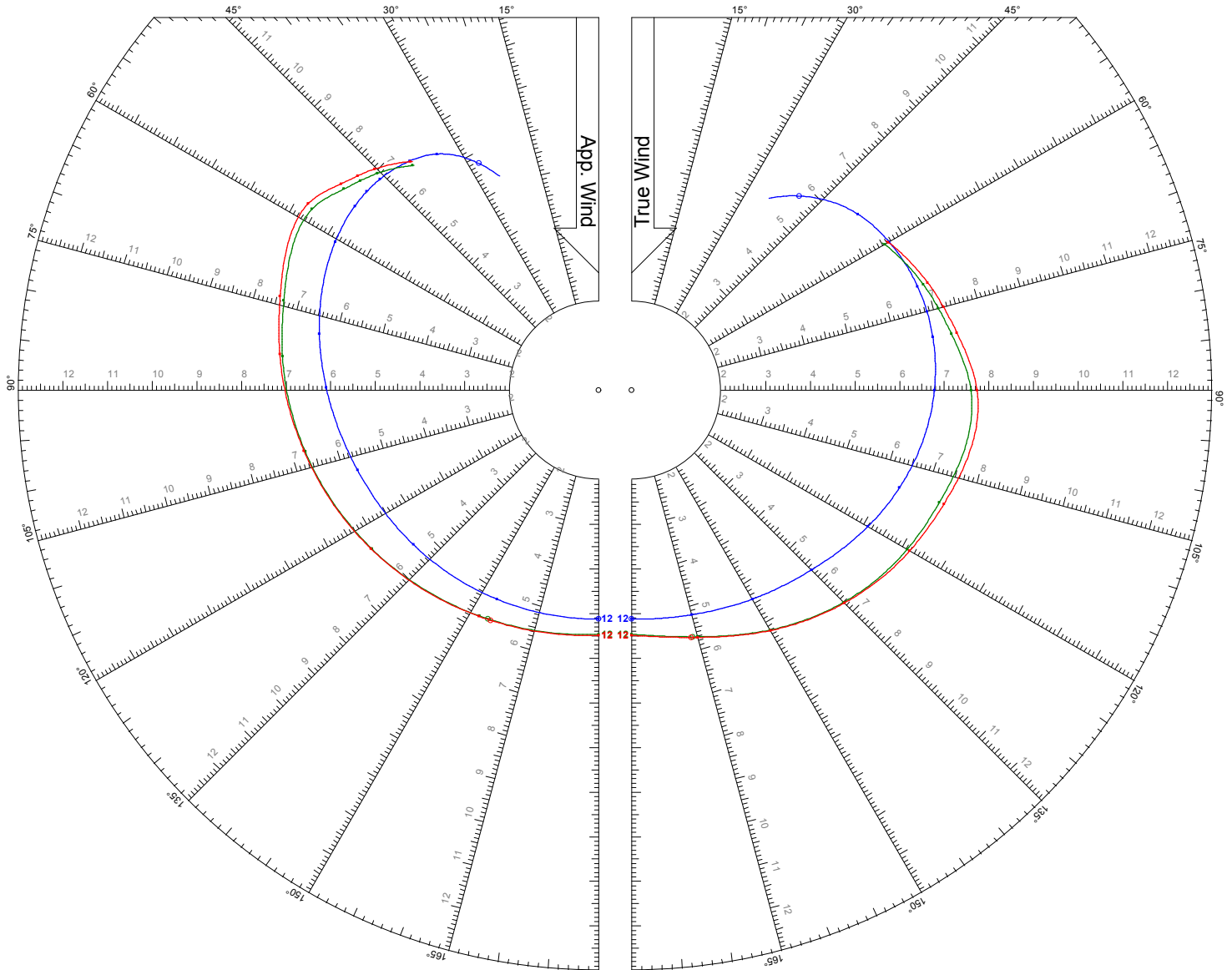
Symmetric Spinnaker

Asymmetric Spinnaker on Pole



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Polar Plot for Boat	
Name	W700 LD
Sail Number	
Class	Waarschip 700 LD
Designer	Peltzer
Builder	Waarschip
Issued On	11/11/2010 - VPP 2010 1.11

TWS: 12 kts

Jib

Symmetric Spinnaker

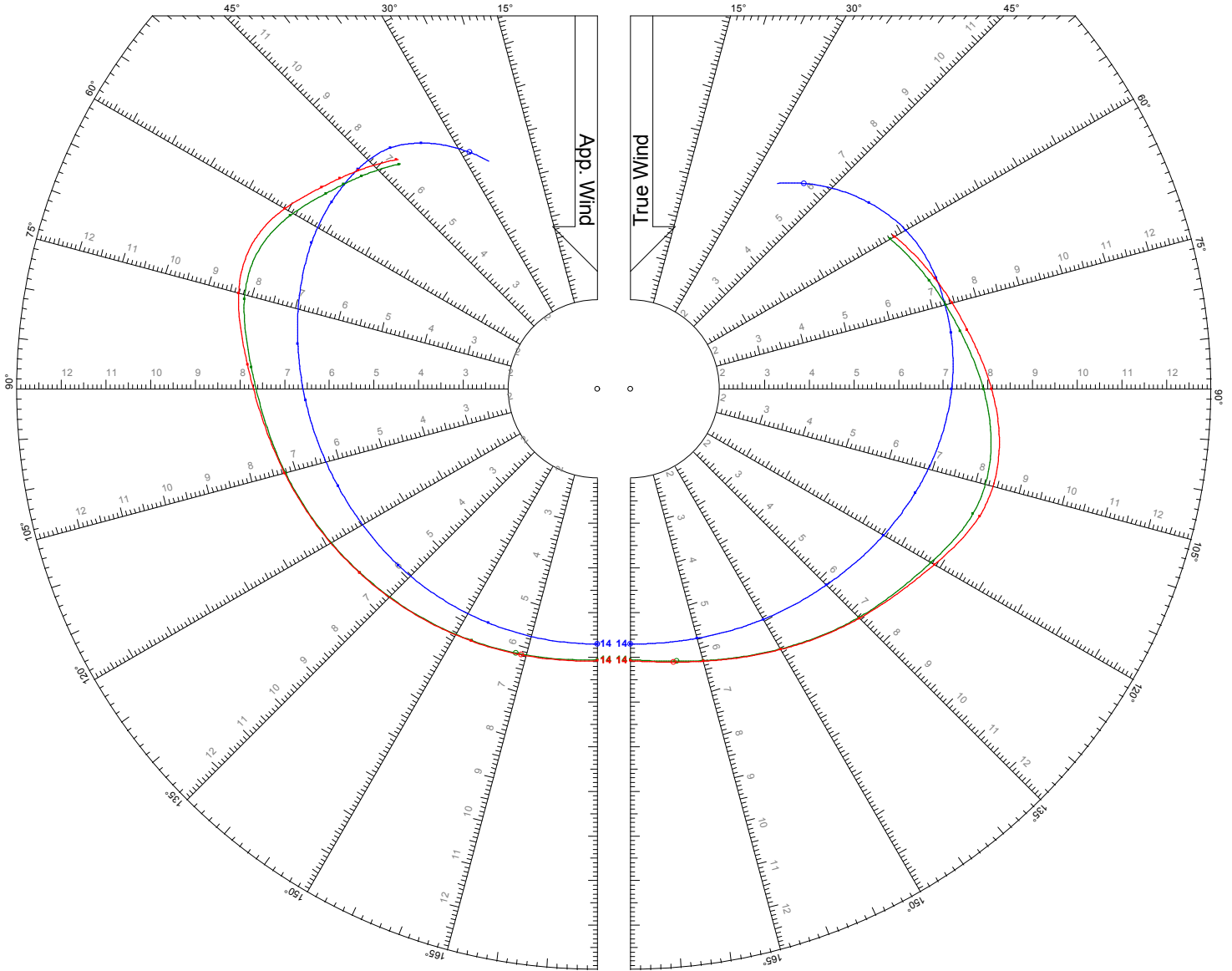
Asymmetric Spinnaker on Pole



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Polar Plot for Boat

Name **W700 LD**
 Sail Number
 Class **Waarschip 700 LD**
 Designer **Peltzer**
 Builder **Waarschip**
 Issued On **11/11/2010 - VPP 2010 1.11**

TWS: 14 kts

Jib

Symmetric Spinnaker

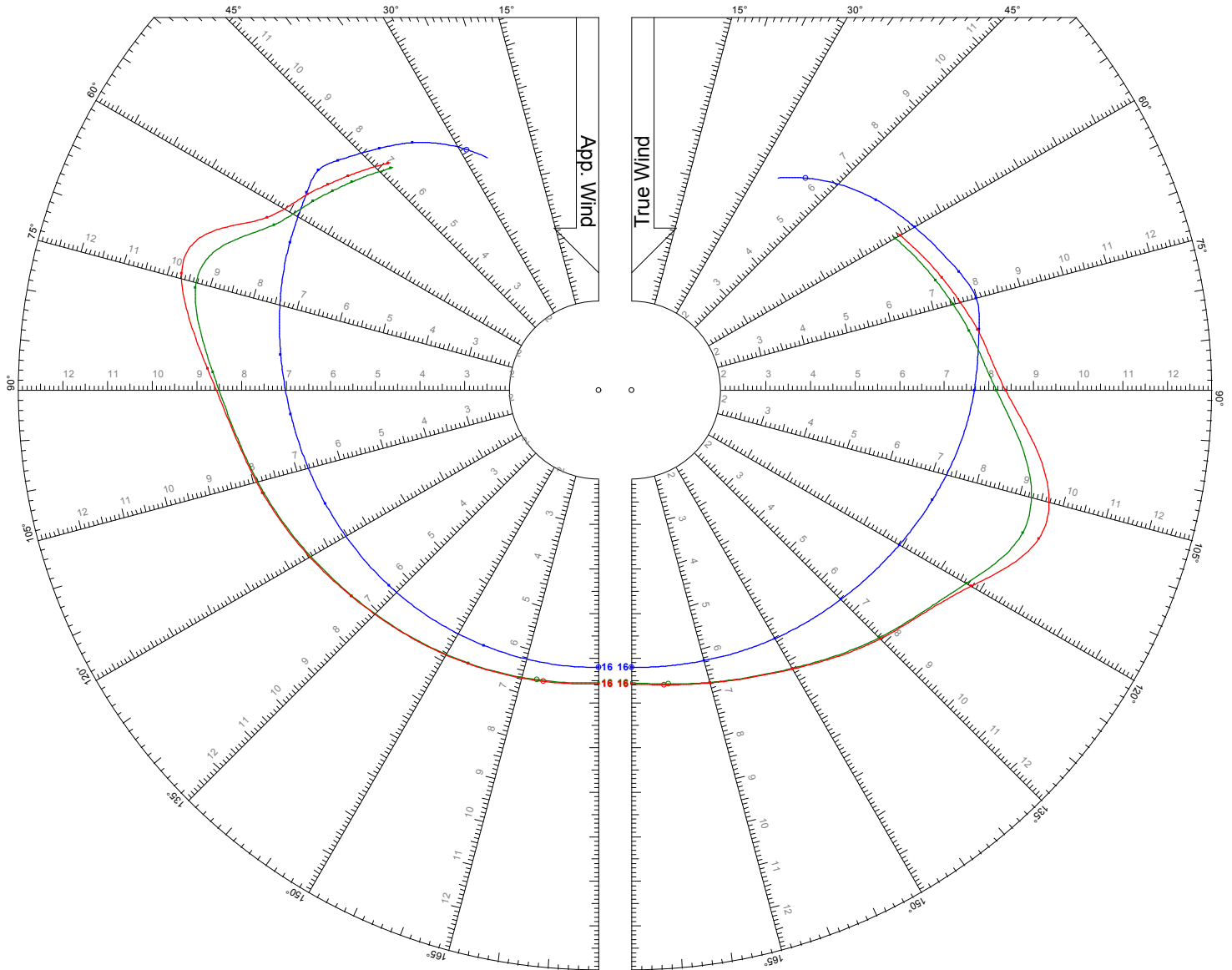
Asymmetric Spinnaker on Pole



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Polar Plot for Boat	
Name	W700 LD
Sail Number	
Class	Waarschip 700 LD
Designer	Peltzer
Builder	Waarschip
Issued On	11/11/2010 - VPP 2010 1.11

TWS: 16 kts

Jib

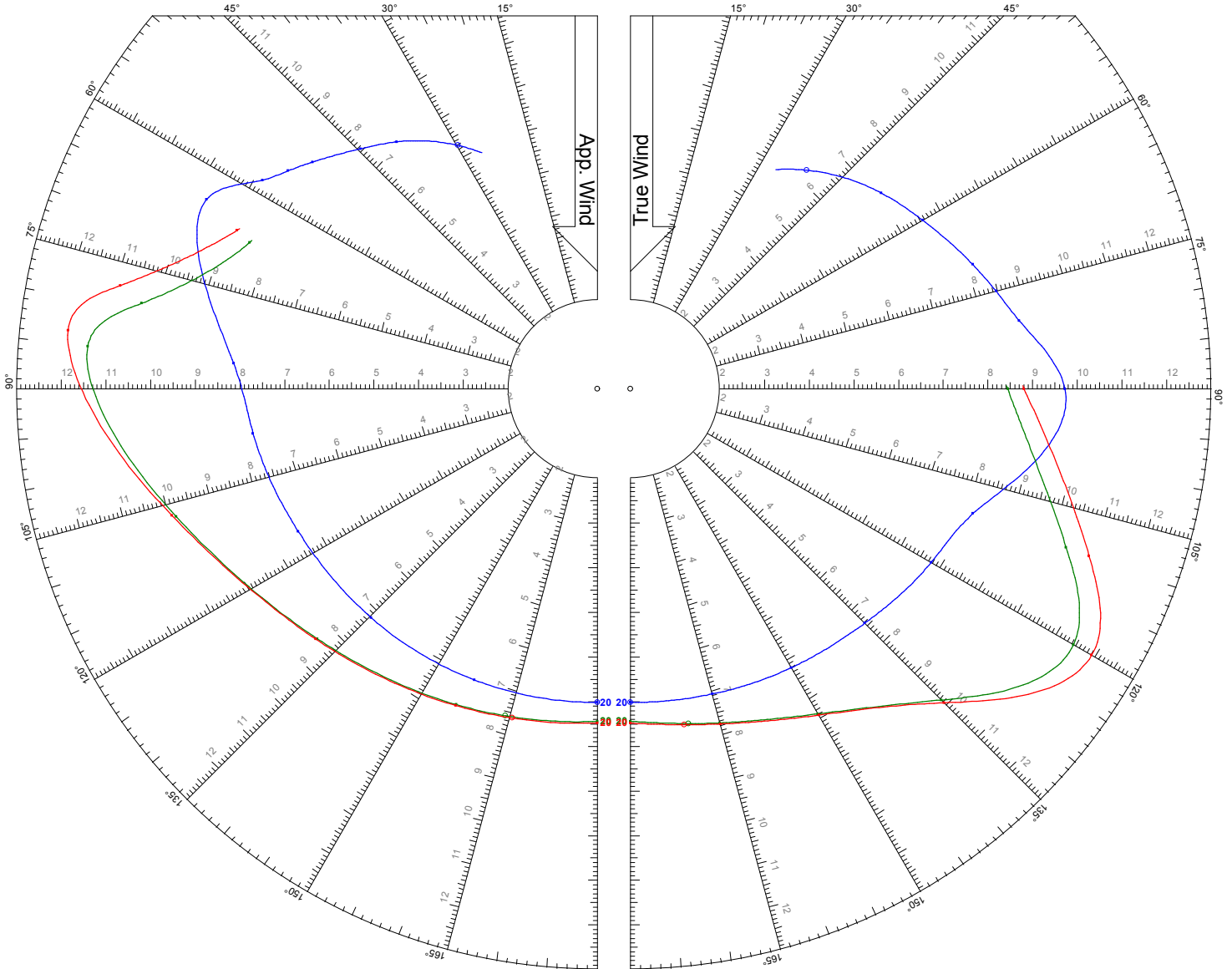
Symmetric Spinnaker

Asymmetric Spinnaker on Pole



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Polar Plot for Boat	
Name	W700 LD
Sail Number	
Class	Waarschip 700 LD
Designer	Peltzer
Builder	Waarschip
Issued On	11/11/2010 - VPP 2010 1.11

TWS: 20 kts

Jib

Symmetric Spinnaker

Asymmetric Spinnaker on Pole



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Polar Tables							
Boat Name: W700 LD							
Sail No:							
Sail: Best Performance							
Issued On: 11/11/2010 - VPP 2010 1.11							

TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.1° (b)	4.02	2.94	9.35	26.0°	2.4°	1.00	1.00
52°	4.49	2.77	9.45	30.0°	2.4°	1.00	1.00
60°	4.79	2.39	9.36	33.7°	2.4°	1.00	1.00
70°	5.03	1.72	9.05	38.5°	2.8°	1.00	1.00
75°	5.25	1.36	8.94	40.4°	2.9°	1.00	1.00
80°	5.41	0.94	8.75	42.5°	3.0°	1.00	1.00
90°	5.56	0.00	8.18	47.2°	2.9°	1.00	1.00
110°	5.43	1.86	6.57	59.1°	2.3°	1.00	1.00
120°	5.18	2.59	5.64	67.2°	1.9°	1.00	1.00
135°	4.58	3.24	4.26	85.4°	1.2°	1.00	1.00
150°	3.81	3.30	3.30	114.8°	0.6°	1.00	1.00
165°	3.26	3.15	2.98	148.5°	0.2°	1.00	1.00
180°	3.04	3.04	2.97	180.0°	0.1°	1.00	1.00
144.0° (r)	4.13	3.35	3.60	101.6°	0.8°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.1° (b)	4.84	3.54	12.00	27.1°	3.3°	1.00	1.00
52°	5.36	3.30	12.06	31.5°	3.4°	1.00	1.00
60°	5.62	2.81	11.85	35.8°	3.2°	1.00	1.00
70°	6.00	2.05	11.53	40.7°	4.4°	1.00	1.00
75°	6.19	1.60	11.31	43.1°	4.7°	1.00	1.00
80°	6.31	1.09	11.01	45.7°	4.6°	1.00	1.00
90°	6.41	0.00	10.25	51.3°	4.2°	1.00	1.00
110°	6.26	2.14	8.30	64.9°	3.1°	1.00	1.00
120°	6.05	3.02	7.22	73.5°	2.4°	1.00	1.00
135°	5.54	3.92	5.66	91.1°	1.5°	1.00	1.00
150°	4.77	4.13	4.54	118.3°	0.8°	1.00	1.00
165°	4.20	4.06	4.09	149.6°	0.4°	1.00	1.00
180°	3.97	3.97	4.03	180.0°	0.1°	1.00	1.00
145.8° (r)	5.00	4.14	4.77	109.9°	1.0°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.0° (b)	5.31	4.01	14.44	27.0°	4.5°	1.00	1.00
52°	5.95	3.66	14.44	33.1°	4.5°	1.00	1.00
60°	6.20	3.10	14.16	37.7°	4.3°	1.00	1.00
70°	6.72	2.30	13.83	42.8°	16.8°	1.00	1.00
75°	6.88	1.78	13.53	45.6°	17.6°	1.00	1.00
80°	6.99	1.21	13.16	48.5°	16.0°	1.00	1.00
90°	7.07	0.00	12.25	54.7°	12.5°	1.00	1.00
110°	6.88	2.35	10.02	69.8°	3.9°	1.00	1.00
120°	6.69	3.35	8.82	78.9°	3.0°	1.00	1.00
135°	6.24	4.41	7.12	96.7°	1.9°	1.00	1.00
150°	5.58	4.83	5.87	121.7°	1.0°	1.00	1.00
165°	5.04	4.87	5.29	150.7°	0.5°	1.00	1.00
180°	4.77	4.77	5.23	180.0°	0.1°	1.00	1.00
159.3° (r)	5.22	4.89	5.44	139.5°	0.7°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
40.8° (b)	5.75	4.36	16.78	27.8°	10.7°	1.00	1.00
52°	6.42	3.95	16.74	34.4°	10.1°	1.00	1.00
60°	6.66	3.33	16.38	39.4°	7.5°	1.00	1.00
70°	7.05	2.41	15.86	45.3°	24.0°	1.00	0.81
75°	7.23	1.87	15.53	48.3°	24.2°	1.00	0.82
80°	7.40	1.28	15.15	51.3°	24.6°	1.00	0.85
90°	7.73	0.00	14.28	57.2°	25.2°	1.00	0.96
110°	7.51	2.57	11.78	73.2°	5.4°	1.00	1.00
120°	7.27	3.63	10.47	83.1°	3.7°	1.00	1.00
135°	6.78	4.80	8.65	101.3°	2.3°	1.00	1.00
150°	6.21	5.38	7.31	124.9°	1.3°	1.00	1.00
165°	5.73	5.53	6.63	152.1°	0.7°	1.00	1.00
180°	5.49	5.49	6.51	180.0°	0.2°	1.00	1.00
166.5° (r)	5.69	5.53	6.60	154.9°	0.7°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
40.2° (b)	6.03	4.61	19.01	28.4°	17.3°	1.00	0.91
52°	6.78	4.17	18.94	35.6°	21.2°	1.00	0.96
60°	7.12	3.56	18.61	40.7°	20.1°	1.00	1.00
70°	7.28	2.49	17.85	47.5°	11.9°	1.00	1.00
75°	7.45	1.93	17.48	50.7°	25.3°	1.00	0.66
80°	7.65	1.33	17.08	53.8°	25.6°	0.99	0.70
90°	8.08	0.00	16.17	60.0°	26.3°	1.00	0.80
110°	8.60	2.94	13.70	73.8°	18.6°	1.00	1.00
120°	7.98	3.99	12.16	85.4°	4.7°	1.00	1.00
135°	7.30	5.16	10.24	104.7°	2.7°	1.00	1.00
150°	6.73	5.83	8.84	127.6°	1.6°	1.00	1.00
165°	6.31	6.09	8.08	153.3°	0.9°	1.00	1.00
180°	6.08	6.08	7.92	180.0°	0.3°	1.00	1.00
171.0° (r)	6.18	6.11	7.95	164.0°	0.7°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.3° (b)	6.15	4.76	21.12	28.7°	18.4°	1.00	0.77
52°	6.94	4.27	21.00	36.9°	22.1°	1.00	0.83
60°	7.32	3.66	20.65	42.1°	23.4°	1.00	0.88
70°	7.79	2.67	20.05	48.6°	24.6°	1.00	0.97
75°	7.99	2.07	19.65	51.9°	20.7°	1.00	1.00
80°	7.90	1.37	19.03	55.9°	13.1°	1.00	1.00
90°	8.37	0.00	18.06	62.4°	26.5°	0.92	0.81
110°	9.70	3.32	15.62	74.3°	27.4°	0.98	1.00
120°	9.20	4.60	13.91	85.0°	11.9°	1.00	1.00
135°	7.92	5.60	11.81	106.7°	3.2°	1.00	1.00
150°	7.21	6.24	10.40	129.7°	1.9°	1.00	1.00
165°	6.79	6.55	9.61	154.5°	1.1°	1.00	1.00
180°	6.58	6.58	9.42	180.0°	0.4°	1.00	1.00
173.7° (r)	6.64	6.60	9.43	169.3°	0.7°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
38.8° (b)	6.29	4.90	25.21	29.8°	21.3°	0.97	0.60
52°	7.13	4.39	25.03	39.0°	23.1°	1.00	0.62
60°	7.56	3.78	24.66	44.6°	24.3°	1.00	0.67
70°	8.15	2.79	24.04	51.4°	25.5°	1.00	0.74
75°	8.47	2.19	23.65	54.8°	26.0°	1.00	0.79
80°	8.83	1.53	23.22	58.0°	26.4°	1.00	0.85
90°	9.72	0.00	22.24	64.1°	27.1°	1.00	0.98
110°	10.92	3.74	19.23	77.7°	28.1°	0.90	0.88
120°	11.92	5.96	17.43	83.7°	28.1°	0.94	1.00
135°	10.09	7.13	14.71	106.0°	4.6°	1.00	1.00
150°	8.43	7.30	13.38	131.6°	2.5°	1.00	1.00
165°	7.76	7.50	12.66	155.9°	1.5°	1.00	1.00
180°	7.48	7.48	12.52	180.0°	0.6°	1.00	1.00
128.4° (r)	12.33	7.66	15.67	90.4°	23.4°	1.00	1.00



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Polar Tables							
Boat Name: W700 LD							
Sail No:							
Sail: Jib							
Issued On: 11/11/2010 - VPP 2010 1.11							

TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.1° (b)	4.02	2.94	8.91	25.1°	2.4°	1.00	1.00
52°	4.49	2.77	9.03	28.9°	2.4°	1.00	1.00
60°	4.79	2.39	8.95	32.4°	2.4°	1.00	1.00
70°	5.00	1.71	8.64	37.1°	2.2°	1.00	1.00
75°	5.04	1.31	8.40	39.6°	2.2°	1.00	1.00
80°	5.06	0.88	8.12	42.2°	2.0°	1.00	1.00
90°	4.98	0.00	7.45	48.0°	1.8°	1.00	1.00
110°	4.41	1.51	5.79	64.2°	1.1°	1.00	1.00
120°	4.03	2.01	4.96	75.3°	0.8°	1.00	1.00
135°	3.42	2.42	3.95	97.3°	0.5°	1.00	1.00
150°	3.05	2.64	3.28	122.4°	0.4°	1.00	1.00
165°	2.85	2.75	2.89	150.2°	0.3°	1.00	1.00
180°	2.79	2.79	2.76	180.0°	0.1°	1.00	1.00
180.0° (r)	2.79	2.79	2.76	180.0°	0.1°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
43.1° (b)	4.84	3.54	11.41	26.2°	3.3°	1.00	1.00
52°	5.36	3.30	11.49	30.4°	3.4°	1.00	1.00
60°	5.62	2.81	11.29	34.5°	3.2°	1.00	1.00
70°	5.79	1.98	10.83	39.8°	3.0°	1.00	1.00
75°	5.83	1.51	10.52	42.7°	2.8°	1.00	1.00
80°	5.84	1.01	10.18	45.6°	2.7°	1.00	1.00
90°	5.77	0.00	9.37	52.0°	2.3°	1.00	1.00
110°	5.28	1.81	7.47	68.4°	1.5°	1.00	1.00
120°	4.89	2.45	6.51	79.4°	1.2°	1.00	1.00
135°	4.30	3.04	5.31	100.0°	0.8°	1.00	1.00
150°	3.96	3.43	4.43	123.5°	0.6°	1.00	1.00
165°	3.74	3.61	3.90	150.6°	0.4°	1.00	1.00
180°	3.67	3.67	3.73	180.0°	0.1°	1.00	1.00
180.0° (r)	3.67	3.67	3.73	180.0°	0.1°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
41.0° (b)	5.31	4.01	13.69	26.2°	4.5°	1.00	1.00
52°	5.95	3.66	13.71	31.9°	4.5°	1.00	1.00
60°	6.20	3.10	13.44	36.4°	4.3°	1.00	1.00
70°	6.37	2.18	12.87	42.3°	3.8°	1.00	1.00
75°	6.40	1.66	12.51	45.4°	3.6°	1.00	1.00
80°	6.41	1.11	12.11	48.6°	3.3°	1.00	1.00
90°	6.34	0.00	11.19	55.5°	2.8°	1.00	1.00
110°	5.89	2.01	9.10	72.5°	1.8°	1.00	1.00
120°	5.57	2.78	8.06	83.2°	1.5°	1.00	1.00
135°	5.08	3.59	6.69	102.5°	1.1°	1.00	1.00
150°	4.72	4.09	5.67	125.4°	0.8°	1.00	1.00
165°	4.50	4.34	5.03	151.6°	0.6°	1.00	1.00
180°	4.42	4.42	4.82	180.0°	0.2°	1.00	1.00
180.0° (r)	4.42	4.42	4.82	180.0°	0.2°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
40.8° (b)	5.75	4.36	15.81	26.7°	10.7°	1.00	1.00
52°	6.42	3.95	15.77	33.0°	10.1°	1.00	1.00
60°	6.66	3.33	15.46	37.9°	7.5°	1.00	1.00
70°	6.81	2.33	14.83	44.4°	5.0°	1.00	1.00
75°	6.84	1.77	14.43	47.7°	4.5°	1.00	1.00
80°	6.85	1.19	13.98	51.1°	4.1°	1.00	1.00
90°	6.78	0.00	12.98	58.5°	3.3°	1.00	1.00
110°	6.38	2.18	10.73	76.0°	2.2°	1.00	1.00
120°	6.10	3.05	9.61	86.7°	1.8°	1.00	1.00
135°	5.69	4.02	8.13	105.4°	1.4°	1.00	1.00
150°	5.40	4.68	6.96	127.2°	1.1°	1.00	1.00
165°	5.20	5.03	6.21	152.5°	0.8°	1.00	1.00
180°	5.13	5.13	5.96	180.0°	0.3°	1.00	1.00
180.0° (r)	5.13	5.13	5.96	180.0°	0.3°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
40.2° (b)	6.03	4.61	17.70	26.5°	17.3°	1.00	0.91
52°	6.78	4.17	17.41	32.7°	21.2°	1.00	0.96
60°	7.12	3.56	17.07	37.6°	20.1°	1.00	1.00
70°	7.28	2.49	16.65	45.4°	11.9°	1.00	1.00
75°	7.29	1.89	16.30	49.3°	8.0°	1.00	1.00
80°	7.28	1.26	15.86	53.1°	5.3°	1.00	1.00
90°	7.19	0.00	14.77	60.9°	4.0°	1.00	1.00
110°	6.78	2.32	12.37	79.0°	2.6°	1.00	1.00
120°	6.54	3.27	11.20	89.6°	2.1°	1.00	1.00
135°	6.20	4.38	9.61	107.9°	1.7°	1.00	1.00
150°	5.95	5.15	8.33	129.1°	1.3°	1.00	1.00
165°	5.77	5.58	7.51	153.5°	1.0°	1.00	1.00
180°	5.70	5.70	7.23	180.0°	0.4°	1.00	1.00
180.0° (r)	5.70	5.70	7.23	180.0°	0.4°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
39.3° (b)	6.15	4.76	19.59	26.7°	18.4°	1.00	0.77
52°	6.94	4.27	19.18	33.8°	22.1°	1.00	0.83
60°	7.32	3.66	18.65	38.4°	23.4°	1.00	0.88
70°	7.79	2.67	17.83	44.2°	24.6°	1.00	0.97
75°	7.99	2.07	17.70	48.3°	20.7°	1.00	1.00
80°	7.90	1.37	17.57	53.5°	13.1°	1.00	1.00
90°	7.67	0.00	16.60	62.5°	4.9°	1.00	1.00
110°	7.17	2.45	14.03	81.3°	3.0°	1.00	1.00
120°	6.92	3.46	12.80	92.1°	2.5°	1.00	1.00
135°	6.62	4.68	11.13	110.1°	2.0°	1.00	1.00
150°	6.42	5.56	9.77	130.8°	1.6°	1.00	1.00
165°	6.27	6.05	8.88	154.5°	1.2°	1.00	1.00
180°	6.21	6.21	8.58	180.0°	0.5°	1.00	1.00
180.0° (r)	6.21	6.21	8.58	180.0°	0.5°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
38.8° (b)	6.29	4.90	23.05	27.4°	21.3°	0.97	0.60
52°	7.13	4.39	22.62	35.8°	23.1°	1.00	0.62
60°	7.56	3.78	22.01	40.8°	24.3°	1.00	0.67
70°	8.15	2.79	21.08	47.0°	25.5°	1.00	0.74
75°	8.47	2.19	20.55	50.1°	26.0°	1.00	0.79
80°	8.83	1.53	20.01	53.2°	26.4°	1.00	0.85
90°	9.72	0.00	18.86	59.0°	27.1°	1.00	0.98
110°	8.16	2.79	17.41	83.9°	4.1°	1.00	1.00
120°	7.77	3.88	16.04	95.3°	3.3°	1.00	1.00
135°	7.42	5.24	14.22	113.4°	2.8°	1.00	1.00
150°	7.20	6.24	12.76	133.6°	2.2°	1.00	1.00
165°	7.07	6.83	11.79	156.1°	1.6°	1.00	1.00
180°	7.02	7.02	11.46	180.0°	0.7°	1.00	1.00
180.0° (r)	7.02	7.02	11.46	180.0°	0.7°	1.00	1.00



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Polar Tables							
Boat Name: W700 LD							
Sail No:							
Sail: Symmetric Spinnaker							
Issued On: 11/11/2010 - VPP 2010 1.11							

TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	4.25	2.13	8.62	34.7°	2.3°	1.00	1.00
70°	4.88	1.67	8.65	38.0°	2.7°	1.00	1.00
75°	5.11	1.32	8.55	39.7°	2.8°	1.00	1.00
80°	5.27	0.92	8.38	41.7°	2.9°	1.00	1.00
90°	5.43	0.00	7.84	46.2°	2.8°	1.00	1.00
110°	5.29	1.81	6.29	57.8°	2.1°	1.00	1.00
120°	5.03	2.52	5.38	65.8°	1.7°	1.00	1.00
135°	4.45	3.15	4.03	83.7°	1.1°	1.00	1.00
150°	3.80	3.29	3.04	111.4°	0.5°	1.00	1.00
165°	3.25	3.14	2.67	146.6°	0.2°	1.00	1.00
180°	3.02	3.02	2.65	180.0°	0.1°	1.00	1.00
146.8° (r)	3.94	3.30	3.20	104.6°	0.6°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	5.27	2.63	11.16	35.8°	3.5°	1.00	1.00
70°	5.86	2.01	11.02	40.0°	4.1°	1.00	1.00
75°	6.05	1.57	10.82	42.3°	4.3°	1.00	1.00
80°	6.17	1.07	10.53	44.8°	4.3°	1.00	1.00
90°	6.29	0.00	9.81	50.2°	4.0°	1.00	1.00
110°	6.13	2.10	7.93	63.4°	2.8°	1.00	1.00
120°	5.92	2.96	6.88	71.9°	2.3°	1.00	1.00
135°	5.43	3.84	5.34	89.0°	1.5°	1.00	1.00
150°	4.76	4.12	4.18	115.3°	0.8°	1.00	1.00
165°	4.19	4.05	3.67	147.8°	0.4°	1.00	1.00
180°	3.95	3.95	3.61	180.0°	0.1°	1.00	1.00
150.0° (r)	4.75	4.12	4.18	115.4°	0.8°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.01	3.00	13.46	37.2°	5.7°	1.00	1.00
70°	6.57	2.25	13.04	41.4°	12.9°	1.00	1.00
75°	6.73	1.74	12.72	43.9°	13.7°	1.00	1.00
80°	6.83	1.19	12.38	46.9°	12.7°	1.00	1.00
90°	6.91	0.00	11.63	53.5°	7.5°	1.00	1.00
110°	6.76	2.31	9.53	68.3°	3.6°	1.00	1.00
120°	6.57	3.29	8.38	77.2°	2.8°	1.00	1.00
135°	6.15	4.35	6.70	94.5°	1.8°	1.00	1.00
150°	5.56	4.82	5.40	119.0°	1.0°	1.00	1.00
165°	5.03	4.86	4.77	149.2°	0.5°	1.00	1.00
180°	4.75	4.75	4.70	180.0°	0.1°	1.00	1.00
159.3° (r)	5.21	4.87	4.93	137.3°	0.7°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.54	3.27	15.13	36.6°	21.6°	1.00	0.95
70°	6.95	2.38	14.45	41.8°	23.5°	1.00	0.85
75°	7.11	1.84	14.04	44.6°	24.1°	1.00	0.86
80°	7.27	1.26	13.61	47.4°	24.5°	1.00	0.89
90°	7.60	0.00	12.65	53.1°	25.1°	1.00	0.99
110°	7.33	2.51	11.16	71.9°	4.7°	1.00	1.00
120°	7.12	3.56	9.90	81.5°	3.5°	1.00	1.00
135°	6.71	4.75	8.11	99.2°	2.2°	1.00	1.00
150°	6.20	5.37	6.72	122.6°	1.3°	1.00	1.00
165°	5.71	5.52	6.00	150.7°	0.7°	1.00	1.00
180°	5.46	5.46	5.87	180.0°	0.2°	1.00	1.00
166.1° (r)	5.69	5.52	5.97	152.9°	0.7°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.72	3.36	16.83	38.1°	23.3°	1.00	0.72
70°	7.11	2.43	16.04	43.9°	24.5°	0.98	0.71
75°	7.30	1.89	15.58	46.8°	24.9°	0.97	0.75
80°	7.49	1.30	15.10	49.8°	25.3°	0.97	0.78
90°	7.90	0.00	14.06	55.8°	25.9°	0.95	0.92
110°	8.16	2.79	12.68	73.3°	11.4°	1.00	1.00
120°	7.76	3.88	11.47	84.2°	4.3°	1.00	1.00
135°	7.23	5.11	9.58	102.8°	2.6°	1.00	1.00
150°	6.71	5.81	8.13	125.6°	1.6°	1.00	1.00
165°	6.29	6.08	7.33	152.2°	0.9°	1.00	1.00
180°	6.05	6.05	7.17	180.0°	0.3°	1.00	1.00
170.3° (r)	6.18	6.09	7.21	162.0°	0.7°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.82	3.41	18.42	39.6°	23.4°	0.93	0.69
70°	7.24	2.48	17.56	45.7°	24.5°	0.90	0.72
75°	7.45	1.93	17.06	48.7°	25.3°	0.91	0.73
80°	7.67	1.33	16.59	51.9°	25.5°	0.92	0.75
90°	8.17	0.00	15.52	58.3°	25.8°	0.90	0.88
110°	9.32	3.19	13.07	71.0°	27.3°	0.98	1.00
120°	8.65	4.32	13.02	85.1°	7.2°	1.00	1.00
135°	7.84	5.54	11.04	105.0°	3.1°	1.00	1.00
150°	7.19	6.23	9.58	128.0°	1.9°	1.00	1.00
165°	6.77	6.54	8.75	153.5°	1.1°	1.00	1.00
180°	6.55	6.55	8.56	180.0°	0.4°	1.00	1.00
172.9° (r)	6.63	6.58	8.58	167.4°	0.7°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	-0.01	-0.01	15.43	54.3°	36.8°	0.90	0.60
70°	-0.01	0.00	14.92	65.6°	36.8°	0.90	0.60
75°	-0.01	0.00	14.73	71.5°	36.8°	0.90	0.60
80°	-0.01	0.00	14.58	77.6°	36.8°	0.90	0.60
90°	8.44	0.00	18.27	62.5°	27.6°	0.90	0.63
110°	10.38	3.55	15.60	74.6°	28.7°	0.90	0.88
120°	11.45	5.72	14.23	80.9°	28.0°	0.94	1.00
135°	9.84	6.96	13.77	104.8°	4.4°	1.00	1.00
150°	8.40	7.27	12.34	130.2°	2.5°	1.00	1.00
165°	7.74	7.48	11.59	155.1°	1.5°	1.00	1.00
180°	7.44	7.44	11.45	180.0°	0.6°	1.00	1.00
170.2° (r)	7.60	7.49	11.47	163.7°	1.2°	1.00	1.00



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Polar Tables							
Boat Name: W700 LD							
Sail No:							
Sail: Asymmetric Spinnaker on CL							
Issued On: 11/11/2010 - VPP 2010 1.11							

TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	4.33	2.16	8.68	34.4°	2.4°	1.00	1.00
70°	4.97	1.70	8.72	37.6°	2.8°	1.00	1.00
75°	5.21	1.35	8.63	39.3°	3.0°	1.00	1.00
80°	5.38	0.93	8.46	41.2°	3.1°	1.00	1.00
90°	5.54	0.00	7.92	45.6°	3.0°	1.00	1.00
110°	5.43	1.86	6.36	56.7°	2.3°	1.00	1.00
120°	5.18	2.59	5.44	64.4°	1.9°	1.00	1.00
135°	4.58	3.24	4.05	81.8°	1.2°	1.00	1.00
150°	3.81	3.30	3.04	111.1°	0.6°	1.00	1.00
165°	3.21	3.10	2.69	147.0°	0.2°	1.00	1.00
180°	3.03	3.03	2.64	180.0°	0.1°	1.00	1.00
144.0° (r)	4.13	3.35	3.36	97.7°	0.8°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	5.35	2.67	11.22	35.6°	3.7°	1.00	1.00
70°	5.96	2.04	11.09	39.6°	4.5°	1.00	1.00
75°	6.16	1.59	10.89	41.9°	4.8°	1.00	1.00
80°	6.28	1.09	10.61	44.3°	4.9°	1.00	1.00
90°	6.41	0.00	9.88	49.6°	4.4°	1.00	1.00
110°	6.26	2.14	7.99	62.6°	3.1°	1.00	1.00
120°	6.05	3.02	6.92	70.8°	2.4°	1.00	1.00
135°	5.54	3.92	5.34	87.8°	1.5°	1.00	1.00
150°	4.76	4.12	4.18	115.3°	0.8°	1.00	1.00
165°	4.16	4.01	3.70	148.1°	0.4°	1.00	1.00
180°	3.96	3.96	3.60	180.0°	0.1°	1.00	1.00
145.8° (r)	5.00	4.14	4.42	106.5°	1.0°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.10	3.05	13.49	36.8°	8.4°	1.00	1.00
70°	6.68	2.29	12.93	40.2°	18.6°	1.00	1.00
75°	6.85	1.77	12.55	42.4°	20.5°	1.00	1.00
80°	6.97	1.21	12.23	45.3°	19.4°	1.00	1.00
90°	7.07	0.00	11.59	52.4°	12.5°	1.00	1.00
110°	6.88	2.35	9.58	67.6°	3.9°	1.00	1.00
120°	6.69	3.35	8.40	76.4°	3.0°	1.00	1.00
135°	6.24	4.41	6.69	93.7°	1.9°	1.00	1.00
150°	5.55	4.81	5.40	119.1°	1.1°	1.00	1.00
165°	4.98	4.81	4.81	149.4°	0.5°	1.00	1.00
180°	4.76	4.76	4.68	180.0°	0.1°	1.00	1.00
156.4° (r)	5.28	4.83	5.07	131.7°	0.8°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.57	3.28	15.14	36.5°	21.8°	1.00	0.88
70°	6.98	2.39	14.47	41.7°	23.6°	1.00	0.78
75°	7.14	1.85	14.06	44.5°	24.1°	1.00	0.78
80°	7.31	1.27	13.62	47.2°	24.6°	1.00	0.81
90°	7.63	0.00	12.66	52.9°	25.2°	1.00	0.91
110°	7.51	2.57	11.20	71.0°	5.4°	1.00	1.00
120°	7.27	3.63	9.92	80.7°	3.7°	1.00	1.00
135°	6.78	4.80	8.10	98.7°	2.3°	1.00	1.00
150°	6.18	5.35	6.73	122.7°	1.3°	1.00	1.00
165°	5.67	5.48	6.04	150.9°	0.7°	1.00	1.00
180°	5.48	5.48	5.85	180.0°	0.2°	1.00	1.00
170.9° (r)	5.55	5.48	5.91	162.4°	0.5°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.74	3.37	16.84	38.0°	23.4°	1.00	0.65
70°	7.15	2.44	16.05	43.8°	24.6°	0.98	0.65
75°	7.33	1.90	15.57	46.7°	24.7°	0.94	0.74
80°	7.53	1.31	15.12	49.7°	25.3°	0.96	0.72
90°	7.94	0.00	14.07	55.6°	25.8°	0.94	0.86
110°	8.60	2.94	12.38	70.6°	18.6°	1.00	1.00
120°	7.98	3.99	11.49	83.1°	4.7°	1.00	1.00
135°	7.30	5.16	9.56	102.4°	2.7°	1.00	1.00
150°	6.69	5.79	8.14	125.8°	1.6°	1.00	1.00
165°	6.25	6.04	7.37	152.3°	0.9°	1.00	1.00
180°	6.07	6.07	7.15	180.0°	0.3°	1.00	1.00
176.4° (r)	6.08	6.07	7.16	173.4°	0.4°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.85	3.42	18.43	39.5°	23.5°	0.93	0.63
70°	7.28	2.49	17.58	45.6°	24.4°	0.90	0.66
75°	7.49	1.94	17.10	48.7°	25.1°	0.91	0.67
80°	7.72	1.34	16.58	51.8°	25.5°	0.90	0.71
90°	8.21	0.00	15.47	58.0°	26.5°	0.91	0.80
110°	9.41	3.22	13.05	70.5°	27.5°	0.96	0.98
120°	9.20	4.60	12.87	82.5°	11.9°	1.00	1.00
135°	7.92	5.60	11.02	104.5°	3.2°	1.00	1.00
150°	7.15	6.20	9.60	128.1°	1.9°	1.00	1.00
165°	6.73	6.50	8.78	153.6°	1.1°	1.00	1.00
180°	6.57	6.57	8.54	180.0°	0.4°	1.00	1.00
178.4° (r)	6.57	6.57	8.54	177.1°	0.5°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	-0.01	-0.01	15.93	55.3°	33.5°	0.90	0.60
70°	-0.01	0.00	15.51	66.5°	33.5°	0.90	0.60
75°	-0.01	0.00	15.35	72.2°	33.5°	0.90	0.60
80°	-0.01	0.00	15.23	78.1°	33.5°	0.90	0.60
90°	-0.01	0.00	15.13	90.0°	33.5°	0.90	0.60
110°	10.48	3.58	15.66	74.3°	28.5°	0.90	0.81
120°	11.62	5.81	14.21	80.0°	28.0°	0.91	1.00
135°	10.09	7.13	13.70	103.8°	4.6°	1.00	1.00
150°	8.32	7.21	12.39	130.4°	2.5°	1.00	1.00
165°	7.67	7.41	11.64	155.2°	1.5°	1.00	1.00
180°	7.46	7.46	11.42	180.0°	0.6°	1.00	1.00
128.4° (r)	12.33	7.66	13.42	86.8°	23.4°	1.00	1.00



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Polar Tables							
Boat Name: W700 LD							
Sail No:							
Sail: Asymmetric Spinnaker on Pole							
Issued On: 11/11/2010 - VPP 2010 1.11							

TWS = 6 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	4.41	2.21	8.75	34.1°	2.4°	1.00	1.00
70°	5.03	1.72	8.76	37.4°	2.8°	1.00	1.00
75°	5.25	1.36	8.66	39.1°	2.9°	1.00	1.00
80°	5.41	0.94	8.48	41.1°	3.0°	1.00	1.00
90°	5.56	0.00	7.93	45.5°	2.9°	1.00	1.00
110°	5.40	1.85	6.35	56.9°	2.2°	1.00	1.00
120°	5.13	2.57	5.42	64.9°	1.7°	1.00	1.00
135°	4.51	3.19	4.04	82.9°	1.1°	1.00	1.00
150°	3.81	3.30	3.04	111.1°	0.5°	1.00	1.00
165°	3.26	3.15	2.66	146.5°	0.2°	1.00	1.00
180°	3.04	3.04	2.63	180.0°	0.1°	1.00	1.00
146.3° (r)	3.98	3.31	3.23	103.2°	0.7°	1.00	1.00

TWS = 8 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	5.43	2.71	11.28	35.3°	3.7°	1.00	1.00
70°	6.00	2.05	11.12	39.5°	4.4°	1.00	1.00
75°	6.19	1.60	10.91	41.8°	4.7°	1.00	1.00
80°	6.31	1.09	10.63	44.2°	4.6°	1.00	1.00
90°	6.41	0.00	9.89	49.6°	4.2°	1.00	1.00
110°	6.23	2.13	7.97	62.8°	2.9°	1.00	1.00
120°	6.00	3.00	6.90	71.3°	2.2°	1.00	1.00
135°	5.47	3.87	5.34	88.6°	1.4°	1.00	1.00
150°	4.77	4.13	4.17	115.1°	0.8°	1.00	1.00
165°	4.20	4.06	3.66	147.7°	0.4°	1.00	1.00
180°	3.97	3.97	3.59	180.0°	0.1°	1.00	1.00
149.8° (r)	4.78	4.13	4.18	114.7°	0.8°	1.00	1.00

TWS = 10 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.16	3.08	13.55	36.6°	8.2°	1.00	1.00
70°	6.72	2.30	13.03	40.4°	16.8°	1.00	1.00
75°	6.88	1.78	12.69	42.8°	17.6°	1.00	1.00
80°	6.99	1.21	12.38	45.9°	16.0°	1.00	1.00
90°	7.04	0.00	11.67	52.9°	9.1°	1.00	1.00
110°	6.84	2.34	9.56	67.8°	3.6°	1.00	1.00
120°	6.64	3.32	8.39	76.8°	2.8°	1.00	1.00
135°	6.18	4.37	6.69	94.3°	1.8°	1.00	1.00
150°	5.58	4.83	5.39	118.9°	1.0°	1.00	1.00
165°	5.04	4.87	4.76	149.1°	0.5°	1.00	1.00
180°	4.77	4.77	4.67	180.0°	0.1°	1.00	1.00
159.3° (r)	5.22	4.89	4.92	137.3°	0.7°	1.00	1.00

TWS = 12 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.64	3.32	15.19	36.3°	22.0°	1.00	0.89
70°	7.05	2.41	14.50	41.4°	24.0°	1.00	0.81
75°	7.23	1.87	14.12	44.2°	24.2°	1.00	0.82
80°	7.40	1.28	13.68	47.0°	24.6°	1.00	0.85
90°	7.73	0.00	12.72	52.5°	25.2°	1.00	0.96
110°	7.44	2.54	11.19	71.4°	4.6°	1.00	1.00
120°	7.19	3.59	9.91	81.2°	3.4°	1.00	1.00
135°	6.74	4.76	8.11	99.1°	2.2°	1.00	1.00
150°	6.21	5.38	6.71	122.5°	1.3°	1.00	1.00
165°	5.73	5.53	5.99	150.7°	0.7°	1.00	1.00
180°	5.49	5.49	5.84	180.0°	0.2°	1.00	1.00
166.5° (r)	5.69	5.53	5.95	153.6°	0.7°	1.00	1.00

TWS = 14 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.83	3.42	16.90	37.8°	23.4°	1.00	0.67
70°	7.25	2.48	16.14	43.5°	24.8°	1.00	0.64
75°	7.45	1.93	15.69	46.4°	25.3°	1.00	0.66
80°	7.65	1.33	15.21	49.4°	25.6°	0.99	0.70
90°	8.08	0.00	14.18	55.3°	26.3°	1.00	0.80
110°	8.31	2.84	12.75	72.7°	10.7°	1.00	1.00
120°	7.85	3.93	11.48	83.8°	4.2°	1.00	1.00
135°	7.25	5.13	9.57	102.7°	2.6°	1.00	1.00
150°	6.73	5.83	8.12	125.5°	1.6°	1.00	1.00
165°	6.31	6.09	7.31	152.1°	0.9°	1.00	1.00
180°	6.08	6.08	7.14	180.0°	0.3°	1.00	1.00
171.0° (r)	6.18	6.11	7.18	163.3°	0.7°	1.00	1.00

TWS = 16 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	6.94	3.47	18.52	39.3°	23.8°	0.95	0.61
70°	7.39	2.53	17.64	45.3°	24.8°	0.91	0.68
75°	7.62	1.97	17.18	48.3°	25.2°	0.91	0.70
80°	7.86	1.37	16.68	51.4°	25.7°	0.91	0.73
90°	8.37	0.00	15.59	57.5°	26.5°	0.92	0.81
110°	9.70	3.32	13.19	69.4°	27.4°	0.98	1.00
120°	8.77	4.39	13.06	84.6°	6.0°	1.00	1.00
135°	7.87	5.56	11.03	104.8°	3.1°	1.00	1.00
150°	7.21	6.24	9.57	127.9°	1.9°	1.00	1.00
165°	6.79	6.55	8.73	153.4°	1.1°	1.00	1.00
180°	6.58	6.58	8.53	180.0°	0.4°	1.00	1.00
173.7° (r)	6.64	6.60	8.54	168.8°	0.7°	1.00	1.00

TWS = 20 Kts							
TWA	BTV	VMG	AWS	AWA	Heel	Reef	Flat
60°	-0.01	-0.01	15.20	53.7°	38.2°	0.90	0.60
70°	-0.01	0.00	14.65	65.2°	38.2°	0.90	0.60
75°	-0.01	0.00	14.43	71.2°	38.2°	0.90	0.60
80°	-0.01	0.00	14.27	77.4°	38.2°	0.90	0.60
90°	8.81	0.00	18.44	61.4°	27.6°	0.90	0.63
110°	10.92	3.74	15.85	72.8°	28.1°	0.90	0.88
120°	11.92	5.96	14.30	79.0°	28.1°	0.94	1.00
135°	9.93	7.02	13.74	104.4°	4.4°	1.00	1.00
150°	8.43	7.30	12.32	130.0°	2.5°	1.00	1.00
165°	7.76	7.50	11.56	155.0°	1.5°	1.00	1.00
180°	7.48	7.48	11.41	180.0°	0.6°	1.00	1.00
170.9° (r)	7.61	7.52	11.43	164.9°	1.2°	1.00	1.00