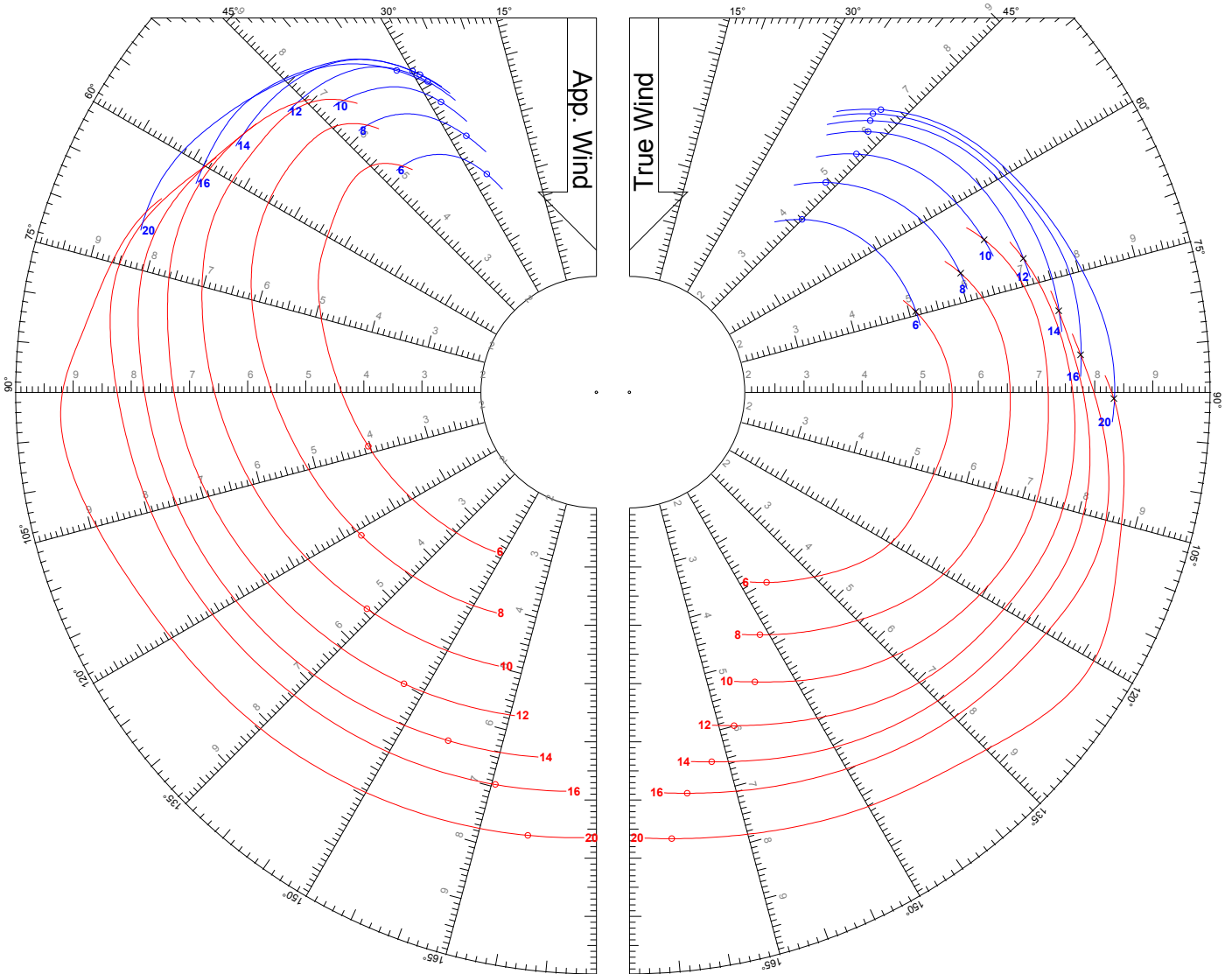




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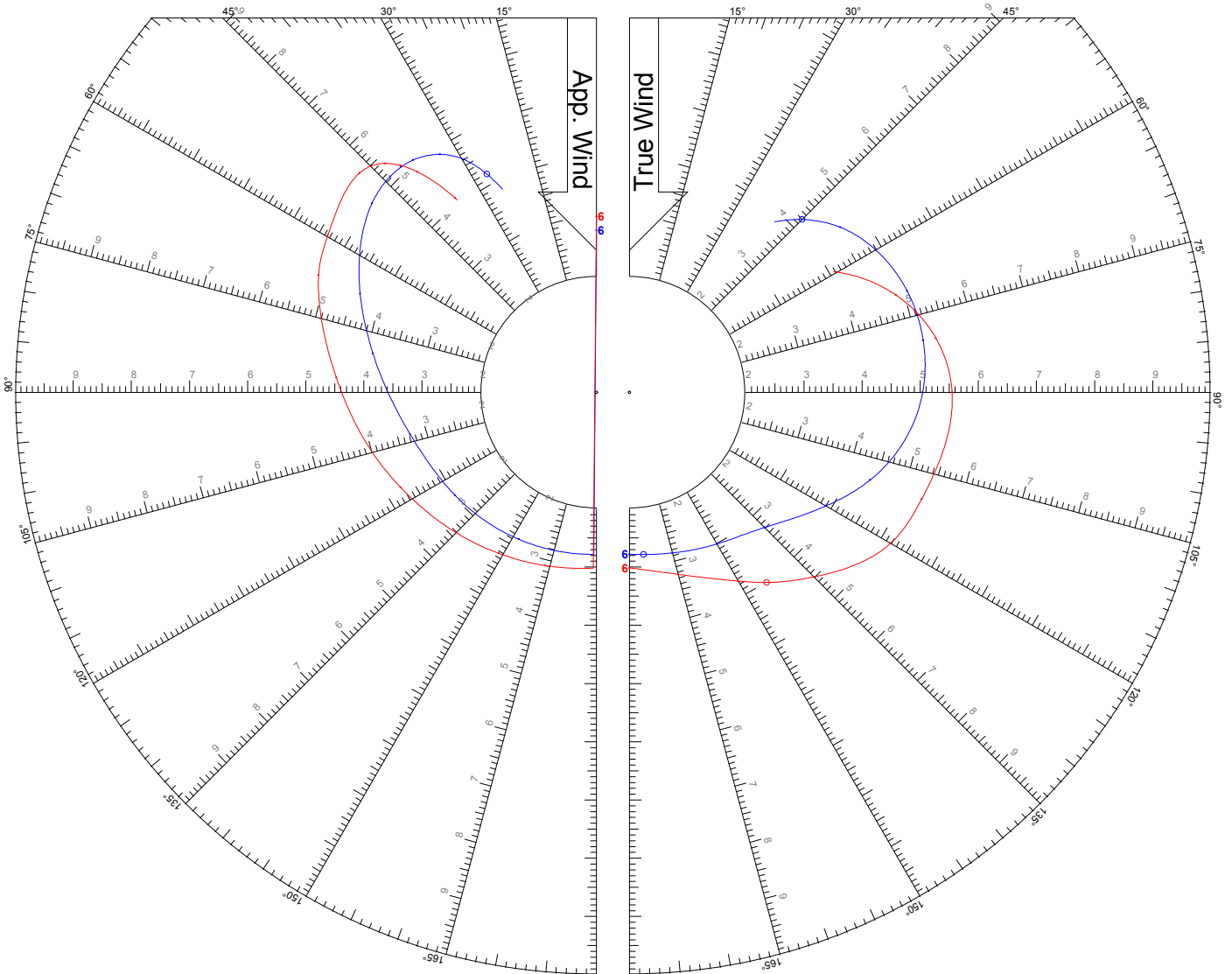
TWS:6,8,10,12,14,16,20kts

Jib

Asymmetric Spinnaker on Pole



World Leader in Rating Technology



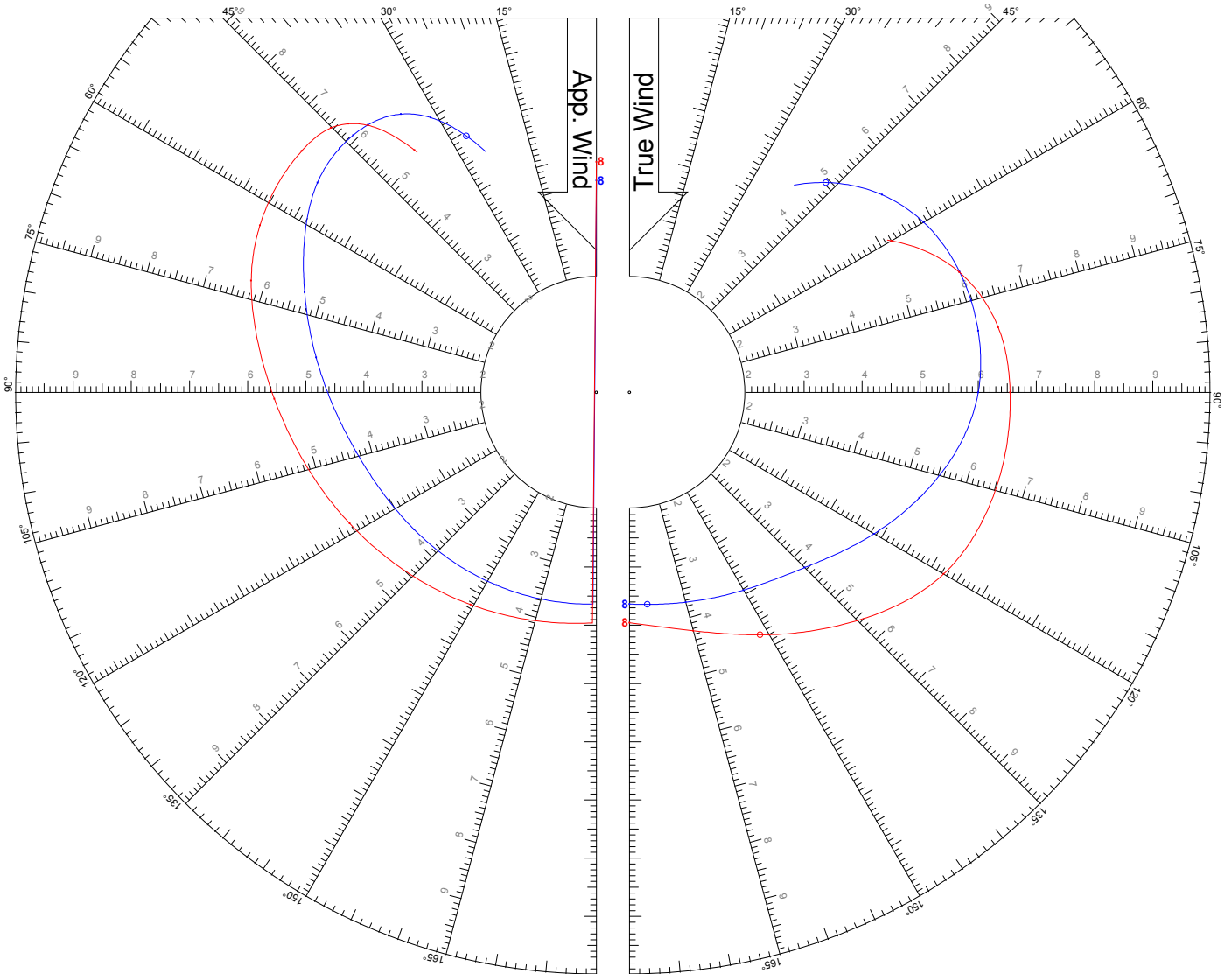
TWS:6kts

Jib

Asymmetric Spinnaker on Pole



World Leader in Rating Technology



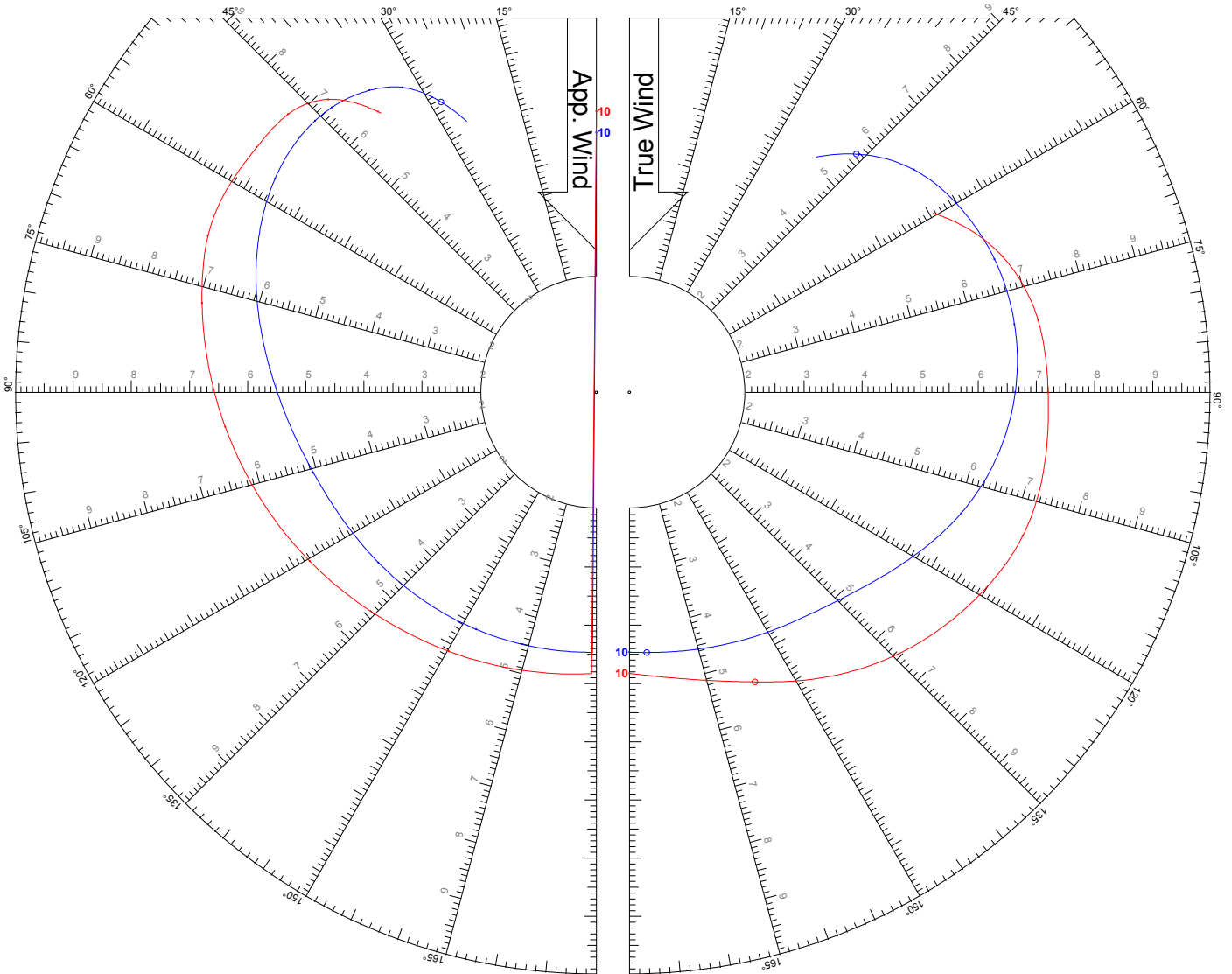
TWS:8kts

Jib

Asymmetric Spinnaker on Pole



World Leader in Rating Technology



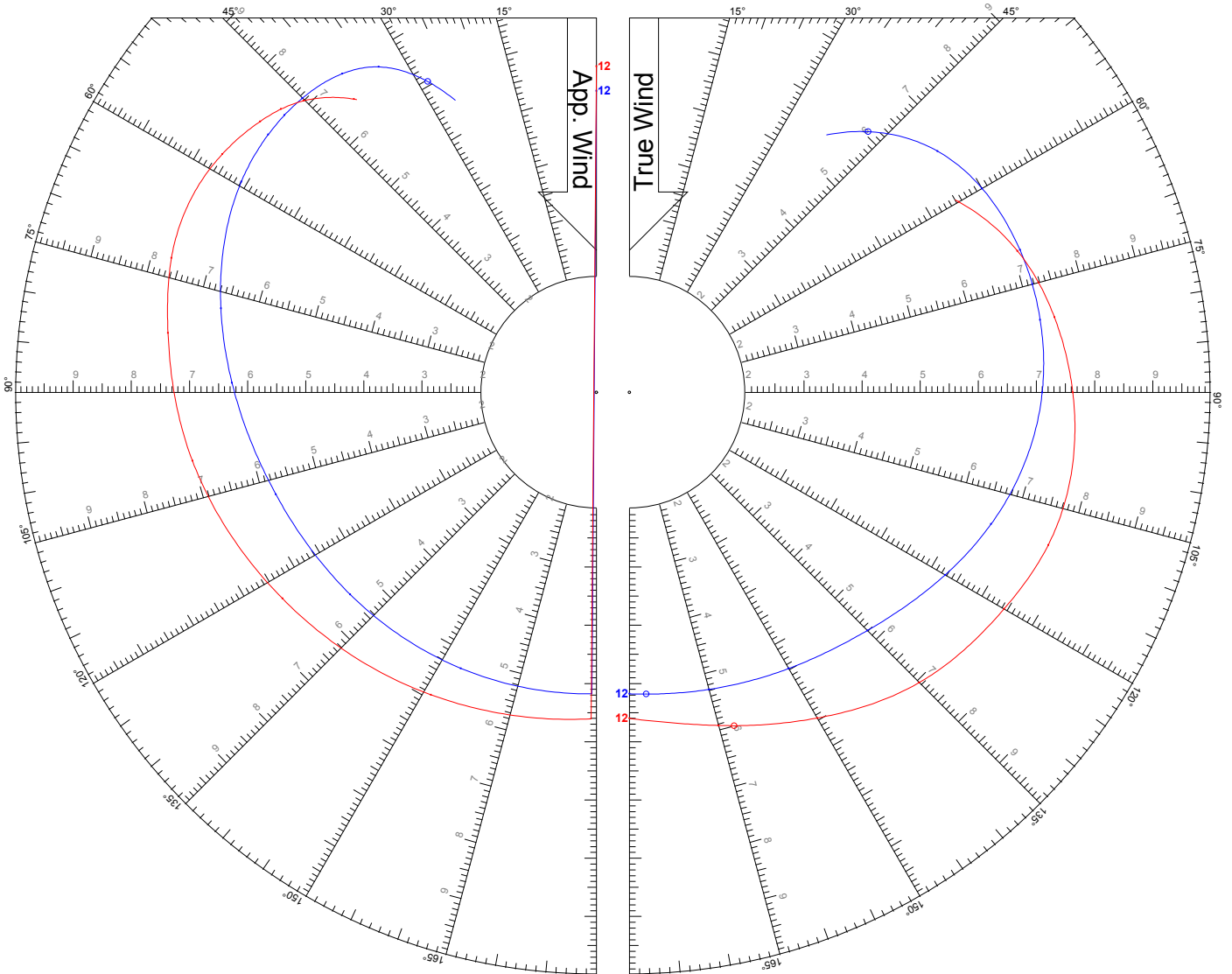
TWS:10kts

Jib

Asymmetric Spinnaker on Pole



World Leader in Rating Technology



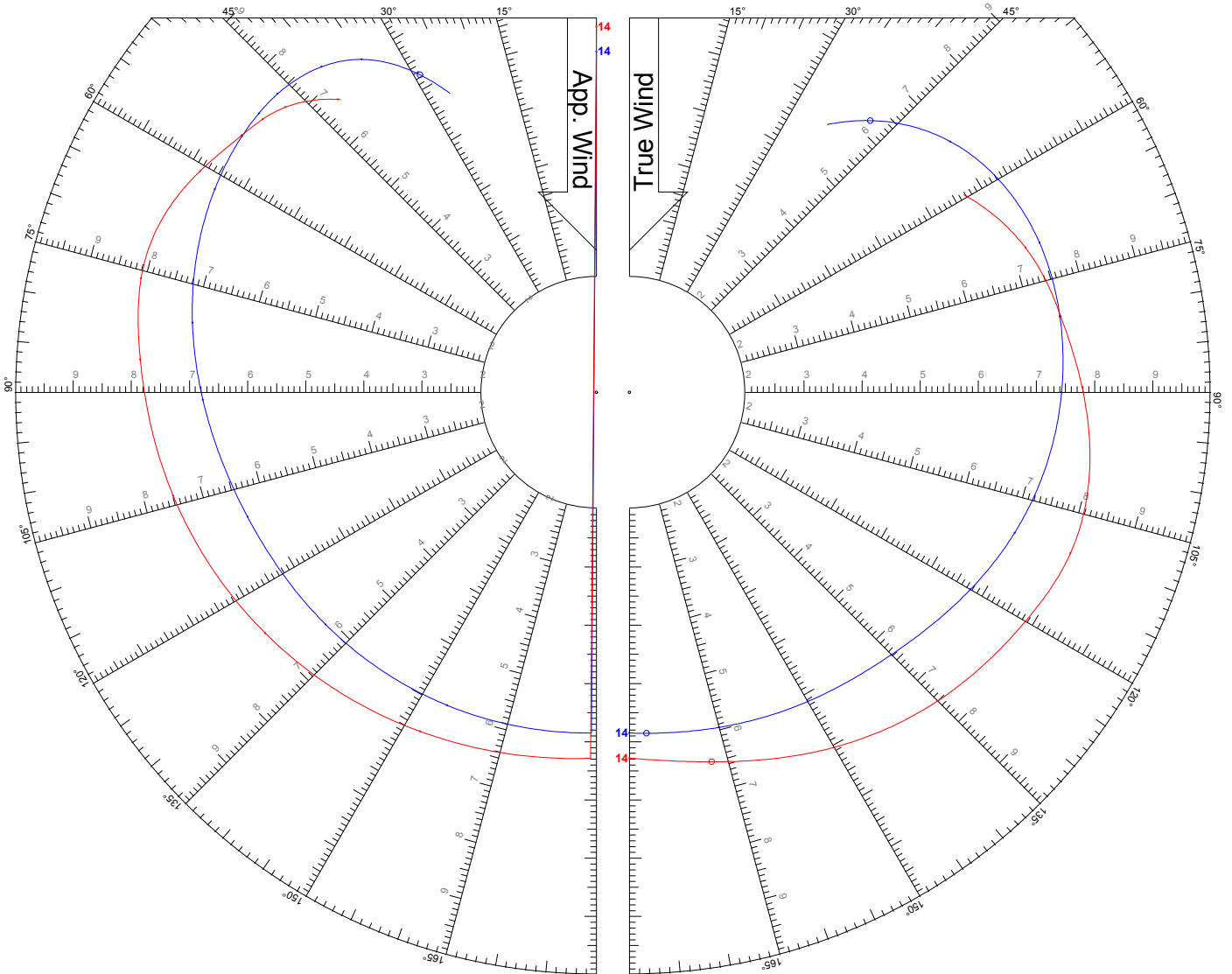
TWS:12kts

Jib

Asymmetric Spinnaker on Pole



World Leader in Rating Technology



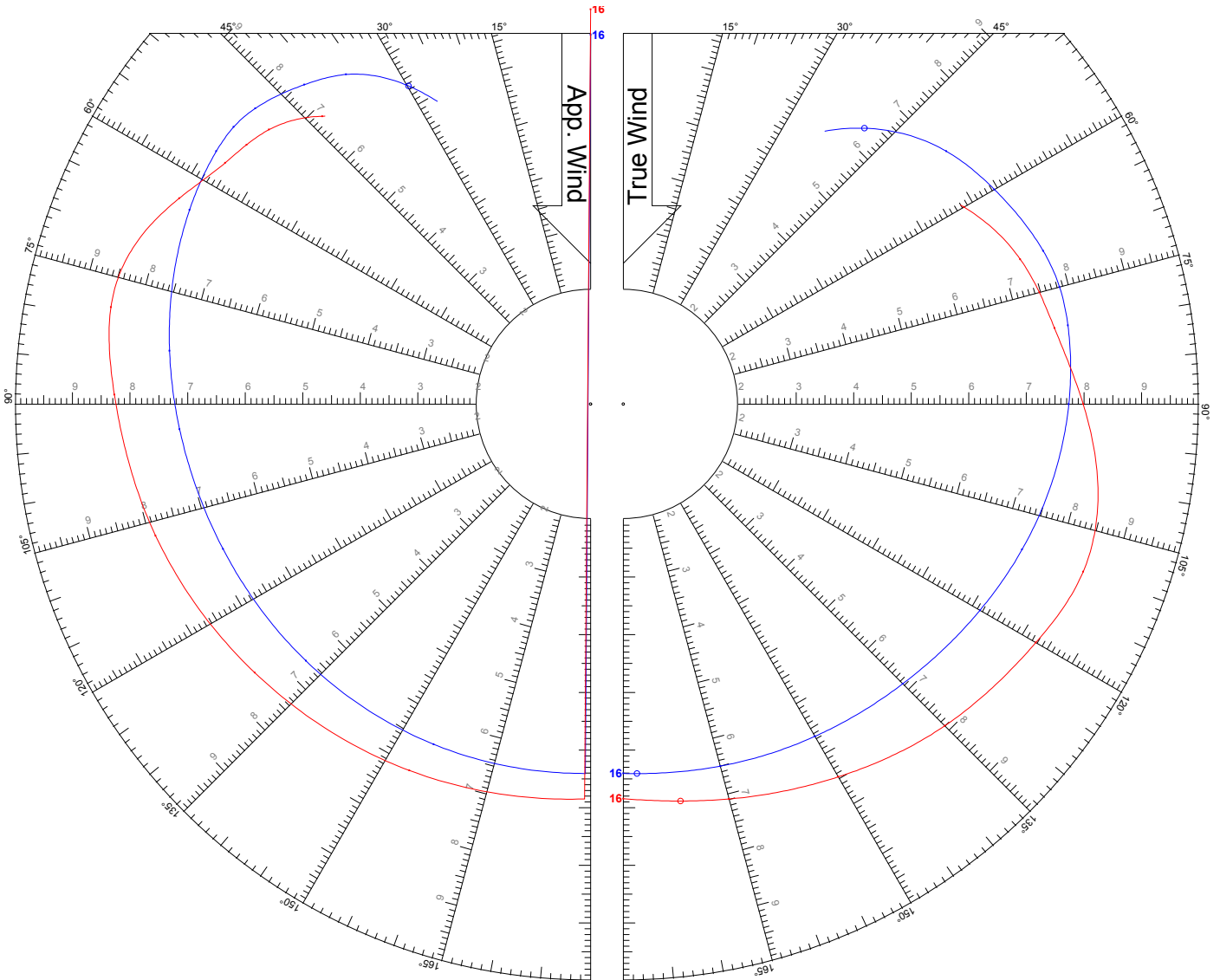
TWS:14kts

Jib

Asymmetric Spinnakeron Pole



World Leader in Rating Technology



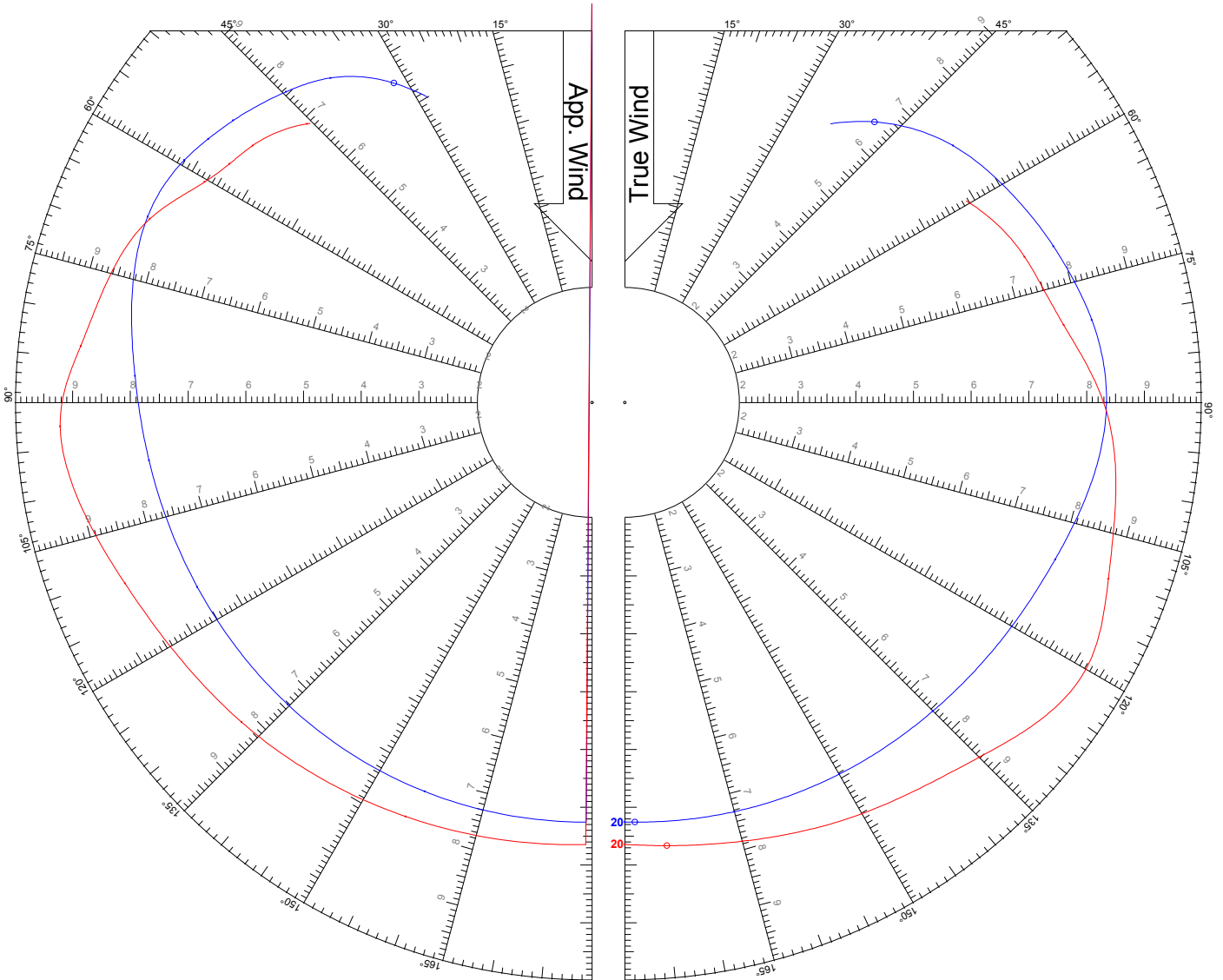
TWS:16kts

Jib

Asymmetric Spinnakeron Pole



World Leader in Rating Technology



TWS:20kts

Jib

Asymmetric Spinnaker on Pole



World Leader in Rating Technology

Polar Tables
 Boat Name:
 Sail No:
 Sail: **Best Performance**
 Issued On: **02.10.2012 - VPP 2012 1.01**

TWS = 6 Kts

| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
|------------|------|------|------|--------|-------|------|------|
| 45,0° (b) | 4,20 | 2,97 | 9,44 | 26,7° | 3,0° | 1,00 | 1,00 |
| 52° | 4,60 | 2,83 | 9,55 | 29,7° | 3,1° | 1,00 | 1,00 |
| 60° | 4,89 | 2,45 | 9,45 | 33,4° | 3,0° | 1,00 | 1,00 |
| 70° | 5,08 | 1,74 | 9,09 | 38,3° | 2,8° | 1,00 | 1,00 |
| 75° | 5,15 | 1,33 | 8,86 | 40,9° | 12,8° | 1,00 | 1,00 |
| 80° | 5,35 | 0,93 | 8,71 | 42,7° | 12,9° | 1,00 | 1,00 |
| 90° | 5,55 | 0,00 | 8,17 | 47,2° | 12,7° | 1,00 | 1,00 |
| 110° | 5,35 | 1,83 | 6,53 | 59,7° | 11,9° | 1,00 | 1,00 |
| 120° | 5,18 | 2,59 | 5,64 | 67,2° | 11,4° | 1,00 | 1,00 |
| 135° | 4,48 | 3,17 | 4,25 | 86,8° | 10,7° | 1,00 | 1,00 |
| 150° | 3,74 | 3,24 | 3,33 | 115,8° | 10,0° | 1,00 | 1,00 |
| 165° | 3,24 | 3,13 | 2,99 | 148,8° | 9,5° | 1,00 | 1,00 |
| 180° | 3,02 | 3,02 | 2,98 | 0,0° | 9,3° | 1,00 | 1,00 |
| 144,1° (r) | 4,03 | 3,27 | 3,61 | 103,3° | 10,3° | 1,00 | 1,00 |

TWS = 8 Kts

| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
|------------|------|------|-------|--------|-------|------|------|
| 43,1° (b) | 4,94 | 3,60 | 12,08 | 26,9° | 4,6° | 1,00 | 1,00 |
| 52° | 5,51 | 3,39 | 12,19 | 31,1° | 4,6° | 1,00 | 1,00 |
| 60° | 5,84 | 2,92 | 12,04 | 35,1° | 4,4° | 1,00 | 1,00 |
| 70° | 6,04 | 2,07 | 11,56 | 40,6° | 4,0° | 1,00 | 1,00 |
| 75° | 6,28 | 1,63 | 11,38 | 42,8° | 15,8° | 1,00 | 1,00 |
| 80° | 6,44 | 1,12 | 11,11 | 45,2° | 15,7° | 1,00 | 1,00 |
| 90° | 6,55 | 0,00 | 10,34 | 50,7° | 15,1° | 1,00 | 1,00 |
| 110° | 6,46 | 2,21 | 8,39 | 63,6° | 12,8° | 1,00 | 1,00 |
| 120° | 6,24 | 3,12 | 7,28 | 72,1° | 11,9° | 1,00 | 1,00 |
| 135° | 5,54 | 3,92 | 5,66 | 91,2° | 11,1° | 1,00 | 1,00 |
| 150° | 4,81 | 4,16 | 4,53 | 117,9° | 10,4° | 1,00 | 1,00 |
| 165° | 4,24 | 4,09 | 4,06 | 149,3° | 9,8° | 1,00 | 1,00 |
| 180° | 3,96 | 3,96 | 4,04 | 0,0° | 9,4° | 1,00 | 1,00 |
| 151,7° (r) | 4,73 | 4,16 | 4,44 | 121,3° | 10,3° | 1,00 | 1,00 |

TWS = 10 Kts

| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
|------------|------|------|-------|--------|-------|------|------|
| 43,7° (b) | 5,66 | 4,09 | 14,62 | 28,2° | 9,6° | 1,00 | 1,00 |
| 52° | 6,21 | 3,82 | 14,66 | 32,5° | 9,4° | 1,00 | 1,00 |
| 60° | 6,49 | 3,25 | 14,39 | 37,0° | 8,3° | 1,00 | 1,00 |
| 70° | 6,83 | 2,33 | 13,90 | 42,5° | 21,2° | 1,00 | 1,00 |
| 75° | 7,02 | 1,82 | 13,63 | 45,1° | 21,1° | 1,00 | 1,00 |
| 80° | 7,14 | 1,24 | 13,26 | 48,0° | 19,1° | 1,00 | 1,00 |
| 90° | 7,20 | 0,00 | 12,32 | 54,2° | 16,9° | 1,00 | 1,00 |
| 110° | 7,20 | 2,46 | 10,13 | 68,1° | 14,4° | 1,00 | 1,00 |
| 120° | 6,95 | 3,48 | 8,88 | 77,3° | 12,6° | 1,00 | 1,00 |
| 135° | 6,41 | 4,53 | 7,10 | 95,3° | 11,5° | 1,00 | 1,00 |
| 150° | 5,72 | 4,96 | 5,80 | 120,4° | 10,7° | 1,00 | 1,00 |
| 165° | 5,12 | 4,95 | 5,22 | 150,3° | 10,1° | 1,00 | 1,00 |
| 180° | 4,83 | 4,83 | 5,17 | 0,0° | 9,5° | 1,00 | 1,00 |
| 156,5° (r) | 5,42 | 4,97 | 5,47 | 133,3° | 10,5° | 1,00 | 1,00 |

TWS = 12 Kts

| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
|------------|------|------|-------|--------|-------|------|------|
| 42,5° (b) | 6,07 | 4,48 | 16,98 | 28,5° | 17,5° | 1,00 | 1,00 |
| 52° | 6,73 | 4,14 | 16,99 | 33,8° | 17,0° | 1,00 | 1,00 |
| 60° | 7,00 | 3,50 | 16,64 | 38,6° | 14,9° | 1,00 | 1,00 |
| 70° | 7,15 | 2,44 | 15,93 | 45,1° | 11,3° | 1,00 | 1,00 |
| 75° | 7,29 | 1,89 | 15,57 | 48,1° | 26,5° | 0,97 | 0,92 |
| 80° | 7,42 | 1,29 | 15,17 | 51,2° | 26,6° | 0,98 | 0,95 |
| 90° | 7,62 | 0,00 | 14,22 | 57,6° | 26,7° | 1,00 | 0,99 |
| 110° | 7,67 | 2,62 | 11,83 | 72,5° | 15,6° | 1,00 | 1,00 |
| 120° | 7,44 | 3,72 | 10,49 | 82,1° | 13,5° | 1,00 | 1,00 |
| 135° | 7,05 | 4,98 | 8,61 | 99,6° | 11,9° | 1,00 | 1,00 |
| 150° | 6,46 | 5,59 | 7,17 | 123,3° | 11,0° | 1,00 | 1,00 |
| 165° | 5,92 | 5,72 | 6,46 | 151,3° | 10,4° | 1,00 | 1,00 |
| 180° | 5,60 | 5,60 | 6,40 | 0,0° | 9,6° | 1,00 | 1,00 |
| 162,5° (r) | 6,00 | 5,72 | 6,53 | 146,5° | 10,5° | 1,00 | 1,00 |

TWS = 14 Kts

| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
|------------|------|------|-------|--------|-------|------|------|
| 41,6° (b) | 6,24 | 4,67 | 19,12 | 29,1° | 20,0° | 1,00 | 0,87 |
| 52° | 7,00 | 4,31 | 19,12 | 35,2° | 23,5° | 1,00 | 0,94 |
| 60° | 7,32 | 3,66 | 18,77 | 40,2° | 23,9° | 1,00 | 1,00 |
| 70° | 7,51 | 2,57 | 18,01 | 46,9° | 17,9° | 1,00 | 1,00 |
| 75° | 7,53 | 1,95 | 17,53 | 50,5° | 14,9° | 1,00 | 1,00 |
| 80° | 7,53 | 1,31 | 17,01 | 54,2° | 26,7° | 0,94 | 0,85 |
| 90° | 7,80 | 0,00 | 16,03 | 60,9° | 26,7° | 0,96 | 0,89 |
| 110° | 8,07 | 2,76 | 13,56 | 76,0° | 16,7° | 1,00 | 1,00 |
| 120° | 7,87 | 3,93 | 12,16 | 85,9° | 15,1° | 1,00 | 1,00 |
| 135° | 7,49 | 5,30 | 10,19 | 103,7° | 12,3° | 1,00 | 1,00 |
| 150° | 7,04 | 6,10 | 8,65 | 126,0° | 11,3° | 1,00 | 1,00 |
| 165° | 6,57 | 6,34 | 7,84 | 152,5° | 10,6° | 1,00 | 1,00 |
| 180° | 6,28 | 6,28 | 7,72 | 0,0° | 9,7° | 1,00 | 1,00 |
| 167,4° (r) | 6,50 | 6,34 | 7,79 | 156,9° | 10,5° | 1,00 | 1,00 |

TWS = 16 Kts

| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
|------------|------|------|-------|--------|-------|------|------|
| 41,2° (b) | 6,36 | 4,78 | 21,20 | 29,8° | 21,1° | 1,00 | 0,75 |
| 52° | 7,12 | 4,38 | 21,14 | 36,6° | 24,5° | 1,00 | 0,81 |
| 60° | 7,44 | 3,72 | 20,75 | 41,9° | 25,9° | 1,00 | 0,88 |
| 70° | 7,76 | 2,65 | 20,03 | 48,6° | 27,2° | 1,00 | 1,00 |
| 75° | 7,84 | 2,03 | 19,56 | 52,2° | 22,2° | 1,00 | 1,00 |
| 80° | 7,84 | 1,36 | 19,00 | 56,0° | 17,6° | 1,00 | 1,00 |
| 90° | 7,99 | 0,00 | 17,88 | 63,5° | 26,7° | 0,93 | 0,82 |
| 110° | 8,50 | 2,91 | 15,34 | 78,6° | 21,4° | 1,00 | 1,00 |
| 120° | 8,27 | 4,14 | 13,86 | 88,9° | 16,1° | 1,00 | 1,00 |
| 135° | 7,89 | 5,58 | 11,82 | 106,8° | 12,9° | 1,00 | 1,00 |
| 150° | 7,47 | 6,47 | 10,24 | 128,6° | 11,6° | 1,00 | 1,00 |
| 165° | 7,09 | 6,85 | 9,33 | 153,7° | 10,8° | 1,00 | 1,00 |
| 180° | 6,84 | 6,84 | 9,16 | 0,0° | 9,9° | 1,00 | 1,00 |
| 171,8° (r) | 6,96 | 6,88 | 9,17 | 165,6° | 10,5° | 1,00 | 1,00 |

TWS = 20 Kts

| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
|------------|------|------|-------|--------|-------|------|------|
| 41,7° (b) | 6,50 | 4,85 | 25,23 | 31,9° | 23,0° | 0,92 | 0,60 |
| 52° | 7,21 | 4,44 | 25,09 | 38,9° | 25,5° | 1,00 | 0,62 |
| 60° | 7,55 | 3,77 | 24,66 | 44,6° | 26,9° | 1,00 | 0,67 |
| 70° | 7,90 | 2,70 | 23,89 | 51,9° | 28,2° | 1,00 | 0,77 |
| 75° | 8,06 | 2,09 | 23,42 | 55,6° | 28,7° | 1,00 | 0,84 |
| 80° | 8,22 | 1,43 | 22,90 | 59,3° | 29,2° | 1,00 | 0,92 |
| 90° | 8,34 | 0,00 | 21,67 | 67,4° | 21,0° | 1,00 | 1,00 |
| 110° | 8,91 | 3,05 | 18,91 | 83,7° | 26,9° | 0,95 | 0,89 |
| 120° | 9,22 | 4,61 | 17,34 | 92,6° | 23,9° | 1,00 | 1,00 |
| 135° | 8,68 | 6,14 | 15,16 | 111,1° | 15,2° | 1,00 | 1,00 |
| 150° | 8,21 | 7,11 | 13,53 | 132,3° | 12,3° | 1,00 | 1,00 |
| 165° | 7,86 | 7,59 | 12,58 | 155,7° | 11,2° | 1,00 | 1,00 |
| 180° | 7,64 | 7,64 | 12,36 | 0,0° | 10,2° | 1,00 | 1,00 |
| 174,6° (r) | 7,70 | 7,66 | 12,36 | 171,2° | 10,6° | 1,00 | 1,00 |



World Leader in Rating Technology

| Polar Tables | |
|--------------|----------------------------|
| Boat Name: | |
| Sail No: | |
| Sail: Jib | |
| Issued On: | 02.10.2012 - VPP 2012 1.01 |

| TWS = 6 Kts | | | | | | | |
|-------------|------|------|------|--------|------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 45,0° (b) | 4,20 | 2,97 | 9,21 | 26,2° | 3,0° | 1,00 | 1,00 |
| 52° | 4,60 | 2,83 | 9,32 | 29,1° | 3,1° | 1,00 | 1,00 |
| 60° | 4,89 | 2,45 | 9,22 | 32,6° | 3,0° | 1,00 | 1,00 |
| 70° | 5,08 | 1,74 | 8,88 | 37,4° | 2,8° | 1,00 | 1,00 |
| 75° | 5,12 | 1,33 | 8,63 | 40,0° | 2,6° | 1,00 | 1,00 |
| 80° | 5,13 | 0,89 | 8,34 | 42,7° | 2,5° | 1,00 | 1,00 |
| 90° | 5,04 | 0,00 | 7,65 | 48,7° | 2,1° | 1,00 | 1,00 |
| 110° | 4,40 | 1,51 | 5,93 | 65,7° | 1,2° | 1,00 | 1,00 |
| 120° | 3,90 | 1,95 | 5,09 | 78,4° | 0,9° | 1,00 | 1,00 |
| 135° | 3,28 | 2,32 | 4,14 | 100,9° | 0,5° | 1,00 | 1,00 |
| 150° | 3,01 | 2,60 | 3,49 | 124,5° | 0,4° | 1,00 | 1,00 |
| 165° | 2,86 | 2,76 | 3,09 | 151,1° | 0,2° | 1,00 | 1,00 |
| 180° | 2,78 | 2,78 | 2,97 | 180,0° | 0,1° | 1,00 | 1,00 |
| 175,0° (r) | 2,80 | 2,79 | 2,98 | 170,3° | 0,1° | 1,00 | 1,00 |

| TWS = 8 Kts | | | | | | | |
|-------------|------|------|-------|--------|------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 43,1° (b) | 4,94 | 3,60 | 11,76 | 26,4° | 4,6° | 1,00 | 1,00 |
| 52° | 5,51 | 3,39 | 11,87 | 30,5° | 4,6° | 1,00 | 1,00 |
| 60° | 5,84 | 2,92 | 11,73 | 34,4° | 4,4° | 1,00 | 1,00 |
| 70° | 6,04 | 2,07 | 11,26 | 39,7° | 4,0° | 1,00 | 1,00 |
| 75° | 6,08 | 1,57 | 10,94 | 42,5° | 3,7° | 1,00 | 1,00 |
| 80° | 6,09 | 1,06 | 10,58 | 45,5° | 3,5° | 1,00 | 1,00 |
| 90° | 6,00 | 0,00 | 9,73 | 51,9° | 2,9° | 1,00 | 1,00 |
| 110° | 5,30 | 1,81 | 7,69 | 69,6° | 1,7° | 1,00 | 1,00 |
| 120° | 4,86 | 2,43 | 6,72 | 81,3° | 1,3° | 1,00 | 1,00 |
| 135° | 4,26 | 3,01 | 5,55 | 102,1° | 0,9° | 1,00 | 1,00 |
| 150° | 3,92 | 3,40 | 4,70 | 125,4° | 0,6° | 1,00 | 1,00 |
| 165° | 3,73 | 3,60 | 4,18 | 151,6° | 0,4° | 1,00 | 1,00 |
| 180° | 3,64 | 3,64 | 4,04 | 180,0° | 0,1° | 1,00 | 1,00 |
| 175,2° (r) | 3,65 | 3,64 | 4,04 | 170,9° | 0,2° | 1,00 | 1,00 |

| TWS = 10 Kts | | | | | | | |
|--------------|------|------|-------|--------|------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 43,7° (b) | 5,66 | 4,09 | 14,17 | 27,4° | 9,6° | 1,00 | 1,00 |
| 52° | 6,21 | 3,82 | 14,21 | 31,6° | 9,4° | 1,00 | 1,00 |
| 60° | 6,49 | 3,25 | 13,95 | 36,0° | 8,3° | 1,00 | 1,00 |
| 70° | 6,68 | 2,29 | 13,39 | 42,0° | 6,1° | 1,00 | 1,00 |
| 75° | 6,72 | 1,74 | 13,03 | 45,1° | 5,2° | 1,00 | 1,00 |
| 80° | 6,73 | 1,17 | 12,61 | 48,3° | 4,6° | 1,00 | 1,00 |
| 90° | 6,64 | 0,00 | 11,64 | 55,3° | 3,7° | 1,00 | 1,00 |
| 110° | 6,07 | 2,08 | 9,43 | 72,8° | 2,2° | 1,00 | 1,00 |
| 120° | 5,63 | 2,82 | 8,34 | 84,2° | 1,7° | 1,00 | 1,00 |
| 135° | 5,06 | 3,58 | 7,00 | 104,3° | 1,2° | 1,00 | 1,00 |
| 150° | 4,76 | 4,12 | 5,97 | 126,5° | 0,9° | 1,00 | 1,00 |
| 165° | 4,56 | 4,41 | 5,31 | 152,2° | 0,6° | 1,00 | 1,00 |
| 180° | 4,46 | 4,46 | 5,13 | 180,0° | 0,2° | 1,00 | 1,00 |
| 176,2° (r) | 4,48 | 4,47 | 5,13 | 172,8° | 0,3° | 1,00 | 1,00 |

| TWS = 12 Kts | | | | | | | |
|--------------|------|------|-------|--------|-------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 42,5° (b) | 6,07 | 4,48 | 16,26 | 26,9° | 17,5° | 1,00 | 1,00 |
| 52° | 6,73 | 4,14 | 16,24 | 32,0° | 17,0° | 1,00 | 1,00 |
| 60° | 7,00 | 3,50 | 15,93 | 37,0° | 14,9° | 1,00 | 1,00 |
| 70° | 7,15 | 2,44 | 15,31 | 43,7° | 11,3° | 1,00 | 1,00 |
| 75° | 7,17 | 1,86 | 14,92 | 47,2° | 9,4° | 1,00 | 1,00 |
| 80° | 7,17 | 1,25 | 14,49 | 50,8° | 7,4° | 1,00 | 1,00 |
| 90° | 7,10 | 0,00 | 13,49 | 58,2° | 4,6° | 1,00 | 1,00 |
| 110° | 6,62 | 2,26 | 11,13 | 76,1° | 2,7° | 1,00 | 1,00 |
| 120° | 6,27 | 3,13 | 9,97 | 87,0° | 2,1° | 1,00 | 1,00 |
| 135° | 5,78 | 4,09 | 8,47 | 106,1° | 1,6° | 1,00 | 1,00 |
| 150° | 5,48 | 4,74 | 7,30 | 128,0° | 1,2° | 1,00 | 1,00 |
| 165° | 5,28 | 5,10 | 6,55 | 153,0° | 0,8° | 1,00 | 1,00 |
| 180° | 5,18 | 5,18 | 6,33 | 180,0° | 0,2° | 1,00 | 1,00 |
| 176,8° (r) | 5,19 | 5,18 | 6,33 | 174,2° | 0,4° | 1,00 | 1,00 |

| TWS = 14 Kts | | | | | | | |
|--------------|------|------|-------|--------|-------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 41,6° (b) | 6,24 | 4,67 | 18,19 | 27,2° | 20,0° | 1,00 | 0,87 |
| 52° | 7,00 | 4,31 | 17,93 | 32,3° | 23,5° | 1,00 | 0,94 |
| 60° | 7,32 | 3,66 | 17,45 | 36,9° | 23,9° | 1,00 | 1,00 |
| 70° | 7,51 | 2,57 | 16,96 | 44,7° | 17,9° | 1,00 | 1,00 |
| 75° | 7,53 | 1,95 | 16,62 | 48,6° | 14,9° | 1,00 | 1,00 |
| 80° | 7,52 | 1,31 | 16,22 | 52,7° | 11,9° | 1,00 | 1,00 |
| 90° | 7,43 | 0,00 | 15,26 | 60,8° | 6,6° | 1,00 | 1,00 |
| 110° | 7,05 | 2,41 | 12,83 | 79,0° | 3,2° | 1,00 | 1,00 |
| 120° | 6,77 | 3,39 | 11,62 | 89,7° | 2,6° | 1,00 | 1,00 |
| 135° | 6,37 | 4,50 | 9,99 | 108,2° | 2,0° | 1,00 | 1,00 |
| 150° | 6,13 | 5,31 | 8,68 | 129,3° | 1,6° | 1,00 | 1,00 |
| 165° | 5,96 | 5,75 | 7,83 | 153,6° | 1,1° | 1,00 | 1,00 |
| 180° | 5,85 | 5,85 | 7,58 | 180,0° | 0,3° | 1,00 | 1,00 |
| 177,1° (r) | 5,86 | 5,85 | 7,58 | 174,9° | 0,5° | 1,00 | 1,00 |

| TWS = 16 Kts | | | | | | | |
|--------------|------|------|-------|--------|-------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 41,2° (b) | 6,36 | 4,78 | 20,08 | 27,7° | 21,1° | 1,00 | 0,75 |
| 52° | 7,12 | 4,38 | 19,69 | 33,4° | 24,5° | 1,00 | 0,81 |
| 60° | 7,44 | 3,72 | 19,06 | 38,1° | 25,9° | 1,00 | 0,88 |
| 70° | 7,76 | 2,65 | 18,04 | 44,3° | 27,2° | 1,00 | 1,00 |
| 75° | 7,84 | 2,03 | 17,96 | 49,0° | 22,2° | 1,00 | 1,00 |
| 80° | 7,84 | 1,36 | 17,73 | 53,7° | 17,6° | 1,00 | 1,00 |
| 90° | 7,74 | 0,00 | 16,93 | 62,8° | 10,3° | 1,00 | 1,00 |
| 110° | 7,37 | 2,52 | 14,54 | 81,6° | 3,9° | 1,00 | 1,00 |
| 120° | 7,15 | 3,58 | 13,28 | 92,2° | 3,1° | 1,00 | 1,00 |
| 135° | 6,86 | 4,85 | 11,55 | 110,2° | 2,5° | 1,00 | 1,00 |
| 150° | 6,65 | 5,76 | 10,14 | 130,9° | 2,0° | 1,00 | 1,00 |
| 165° | 6,50 | 6,28 | 9,22 | 154,5° | 1,3° | 1,00 | 1,00 |
| 180° | 6,41 | 6,41 | 8,94 | 180,0° | 0,4° | 1,00 | 1,00 |
| 177,9° (r) | 6,41 | 6,41 | 8,94 | 176,3° | 0,6° | 1,00 | 1,00 |

| TWS = 20 Kts | | | | | | | |
|--------------|------|------|-------|--------|-------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 41,7° (b) | 6,50 | 4,85 | 23,47 | 29,3° | 23,0° | 0,92 | 0,60 |
| 52° | 7,21 | 4,44 | 23,14 | 35,5° | 25,5° | 1,00 | 0,62 |
| 60° | 7,55 | 3,77 | 22,37 | 40,6° | 26,9° | 1,00 | 0,67 |
| 70° | 7,90 | 2,70 | 21,19 | 47,4° | 28,2° | 1,00 | 0,77 |
| 75° | 8,06 | 2,09 | 20,52 | 50,9° | 28,7° | 1,00 | 0,84 |
| 80° | 8,22 | 1,43 | 19,83 | 54,6° | 29,2° | 1,00 | 0,92 |
| 90° | 8,34 | 0,00 | 19,59 | 64,8° | 21,0° | 1,00 | 1,00 |
| 110° | 7,93 | 2,71 | 17,94 | 85,6° | 6,6° | 1,00 | 1,00 |
| 120° | 7,74 | 3,87 | 16,65 | 96,4° | 4,6° | 1,00 | 1,00 |
| 135° | 7,55 | 5,34 | 14,81 | 114,0° | 3,6° | 1,00 | 1,00 |
| 150° | 7,42 | 6,43 | 13,27 | 133,8° | 2,8° | 1,00 | 1,00 |
| 165° | 7,33 | 7,08 | 12,25 | 156,1° | 1,9° | 1,00 | 1,00 |
| 180° | 7,26 | 7,26 | 11,93 | 180,0° | 0,7° | 1,00 | 1,00 |
| 178,6° (r) | 7,26 | 7,26 | 11,93 | 177,8° | 0,8° | 1,00 | 1,00 |



World Leader in Rating Technology

Polar Tables

Boat Name:
Sail No:
Sail: **Asymmetric Spinnaker on CL**
Issued On: **02.10.2012 - VPP 2012 1.01**

| TWS = 6 Kts | | | | | | | |
|-------------|------|------|------|--------|-------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 60° | 3,96 | 1,98 | 8,51 | 35,8° | 12,2° | 1,00 | 1,00 |
| 70° | 4,73 | 1,62 | 8,64 | 38,7° | 12,6° | 1,00 | 1,00 |
| 75° | 5,00 | 1,29 | 8,56 | 40,4° | 12,7° | 1,00 | 1,00 |
| 80° | 5,20 | 0,90 | 8,40 | 42,3° | 12,8° | 1,00 | 1,00 |
| 90° | 5,38 | 0,00 | 7,87 | 46,9° | 12,5° | 1,00 | 1,00 |
| 110° | 5,27 | 1,80 | 6,32 | 59,0° | 11,9° | 1,00 | 1,00 |
| 120° | 5,13 | 2,57 | 5,46 | 66,4° | 11,4° | 1,00 | 1,00 |
| 135° | 4,45 | 3,15 | 4,10 | 86,1° | 10,7° | 1,00 | 1,00 |
| 150° | 3,64 | 3,15 | 3,25 | 116,8° | 9,9° | 1,00 | 1,00 |
| 165° | 3,14 | 3,03 | 2,97 | 149,5° | 9,5° | 1,00 | 1,00 |
| 180° | 2,93 | 2,93 | 2,97 | 180,0° | 9,2° | 1,00 | 1,00 |
| 141,8° (r) | 4,10 | 3,22 | 3,62 | 98,4° | 10,3° | 1,00 | 1,00 |

| TWS = 8 Kts | | | | | | | |
|-------------|------|------|-------|--------|-------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 60° | 5,02 | 2,51 | 11,09 | 36,3° | 14,6° | 1,00 | 1,00 |
| 70° | 5,87 | 2,01 | 11,11 | 39,7° | 15,5° | 1,00 | 1,00 |
| 75° | 6,13 | 1,59 | 10,94 | 41,8° | 15,6° | 1,00 | 1,00 |
| 80° | 6,29 | 1,09 | 10,67 | 44,2° | 15,5° | 1,00 | 1,00 |
| 90° | 6,41 | 0,00 | 9,91 | 49,8° | 15,0° | 1,00 | 1,00 |
| 110° | 6,40 | 2,19 | 8,10 | 62,6° | 12,8° | 1,00 | 1,00 |
| 120° | 6,19 | 3,10 | 7,03 | 71,2° | 11,9° | 1,00 | 1,00 |
| 135° | 5,50 | 3,89 | 5,45 | 90,5° | 11,1° | 1,00 | 1,00 |
| 150° | 4,69 | 4,06 | 4,41 | 118,7° | 10,3° | 1,00 | 1,00 |
| 165° | 4,11 | 3,97 | 4,02 | 150,1° | 9,7° | 1,00 | 1,00 |
| 180° | 3,83 | 3,83 | 4,03 | 180,0° | 9,3° | 1,00 | 1,00 |
| 147,1° (r) | 4,83 | 4,06 | 4,55 | 112,8° | 10,5° | 1,00 | 1,00 |

| TWS = 10 Kts | | | | | | | |
|--------------|------|------|-------|--------|-------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 60° | 5,92 | 2,96 | 13,51 | 36,9° | 16,8° | 1,00 | 1,00 |
| 70° | 6,68 | 2,28 | 13,23 | 40,8° | 19,5° | 1,00 | 1,00 |
| 75° | 6,89 | 1,78 | 12,95 | 43,4° | 19,4° | 1,00 | 1,00 |
| 80° | 7,01 | 1,22 | 12,64 | 46,5° | 17,8° | 1,00 | 1,00 |
| 90° | 7,10 | 0,00 | 11,75 | 52,8° | 16,8° | 1,00 | 1,00 |
| 110° | 7,16 | 2,45 | 9,70 | 66,9° | 14,4° | 1,00 | 1,00 |
| 120° | 6,92 | 3,46 | 8,53 | 76,4° | 12,6° | 1,00 | 1,00 |
| 135° | 6,37 | 4,50 | 6,83 | 94,8° | 11,5° | 1,00 | 1,00 |
| 150° | 5,57 | 4,83 | 5,64 | 121,3° | 10,7° | 1,00 | 1,00 |
| 165° | 4,98 | 4,81 | 5,16 | 151,0° | 10,0° | 1,00 | 1,00 |
| 180° | 4,69 | 4,69 | 5,13 | 180,0° | 9,5° | 1,00 | 1,00 |
| 155,8° (r) | 5,31 | 4,84 | 5,39 | 132,6° | 10,4° | 1,00 | 1,00 |

| TWS = 12 Kts | | | | | | | |
|--------------|------|------|-------|--------|-------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 60° | 6,37 | 3,19 | 15,31 | 37,1° | 23,7° | 1,00 | 0,89 |
| 70° | 6,99 | 2,39 | 14,70 | 41,8° | 25,8° | 0,97 | 0,92 |
| 75° | 7,18 | 1,86 | 14,28 | 44,5° | 26,5° | 0,98 | 0,94 |
| 80° | 7,32 | 1,27 | 13,83 | 47,6° | 26,6° | 0,98 | 0,96 |
| 90° | 7,54 | 0,00 | 12,83 | 54,0° | 26,7° | 1,00 | 0,99 |
| 110° | 7,62 | 2,61 | 11,22 | 71,3° | 15,6° | 1,00 | 1,00 |
| 120° | 7,41 | 3,70 | 10,02 | 81,2° | 13,6° | 1,00 | 1,00 |
| 135° | 7,00 | 4,95 | 8,26 | 99,2° | 11,8° | 1,00 | 1,00 |
| 150° | 6,32 | 5,47 | 6,97 | 123,9° | 10,9° | 1,00 | 1,00 |
| 165° | 5,76 | 5,56 | 6,37 | 151,9° | 10,3° | 1,00 | 1,00 |
| 180° | 5,44 | 5,44 | 6,35 | 180,0° | 9,6° | 1,00 | 1,00 |
| 160,6° (r) | 5,91 | 5,58 | 6,47 | 143,5° | 10,5° | 1,00 | 1,00 |

| TWS = 14 Kts | | | | | | | |
|--------------|------|------|-------|--------|-------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 60° | 6,54 | 3,27 | 17,00 | 38,7° | 24,3° | 0,93 | 0,82 |
| 70° | 7,13 | 2,44 | 16,28 | 43,9° | 26,5° | 0,93 | 0,83 |
| 75° | 7,30 | 1,89 | 15,84 | 47,1° | 26,6° | 0,94 | 0,84 |
| 80° | 7,42 | 1,29 | 15,34 | 50,5° | 26,7° | 0,94 | 0,85 |
| 90° | 7,72 | 0,00 | 14,31 | 57,3° | 26,7° | 0,96 | 0,89 |
| 110° | 8,03 | 2,75 | 12,76 | 74,8° | 16,8° | 1,00 | 1,00 |
| 120° | 7,84 | 3,92 | 11,50 | 85,1° | 15,2° | 1,00 | 1,00 |
| 135° | 7,44 | 5,26 | 9,76 | 103,5° | 12,2° | 1,00 | 1,00 |
| 150° | 6,91 | 5,99 | 8,39 | 126,5° | 11,2° | 1,00 | 1,00 |
| 165° | 6,41 | 6,19 | 7,71 | 153,0° | 10,5° | 1,00 | 1,00 |
| 180° | 6,13 | 6,13 | 7,62 | 180,0° | 9,7° | 1,00 | 1,00 |
| 167,3° (r) | 6,35 | 6,19 | 7,66 | 157,2° | 10,4° | 1,00 | 1,00 |

| TWS = 16 Kts | | | | | | | |
|--------------|------|------|-------|--------|-------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 60° | 6,65 | 3,33 | 18,67 | 40,0° | 25,0° | 0,89 | 0,73 |
| 70° | 7,21 | 2,46 | 17,87 | 45,9° | 26,6° | 0,90 | 0,75 |
| 75° | 7,35 | 1,90 | 17,37 | 49,4° | 26,7° | 0,90 | 0,75 |
| 80° | 7,49 | 1,30 | 16,85 | 53,0° | 26,7° | 0,90 | 0,76 |
| 90° | 7,91 | 0,00 | 15,82 | 60,0° | 26,7° | 0,93 | 0,81 |
| 110° | 8,46 | 2,89 | 13,88 | 77,0° | 22,5° | 1,00 | 1,00 |
| 120° | 8,24 | 4,12 | 13,03 | 88,2° | 16,1° | 1,00 | 1,00 |
| 135° | 7,82 | 5,53 | 11,31 | 106,9° | 12,7° | 1,00 | 1,00 |
| 150° | 7,35 | 6,36 | 9,92 | 129,1° | 11,5° | 1,00 | 1,00 |
| 165° | 6,95 | 6,71 | 9,14 | 154,1° | 10,7° | 1,00 | 1,00 |
| 180° | 6,69 | 6,69 | 9,03 | 180,0° | 9,9° | 1,00 | 1,00 |
| 170,5° (r) | 6,83 | 6,74 | 9,03 | 163,6° | 10,5° | 1,00 | 1,00 |

| TWS = 20 Kts | | | | | | | |
|--------------|------|------|-------|--------|-------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 60° | 6,69 | 3,35 | 21,90 | 42,4° | 25,8° | 0,83 | 0,61 |
| 70° | 7,21 | 2,47 | 20,97 | 49,3° | 26,7° | 0,83 | 0,63 |
| 75° | 7,37 | 1,91 | 20,42 | 53,1° | 26,7° | 0,83 | 0,63 |
| 80° | 7,61 | 1,32 | 19,89 | 56,8° | 26,8° | 0,83 | 0,65 |
| 90° | 8,21 | 0,00 | 18,84 | 64,1° | 26,7° | 0,86 | 0,74 |
| 110° | 8,84 | 3,02 | 16,20 | 81,9° | 27,1° | 0,93 | 0,93 |
| 120° | 9,16 | 4,58 | 15,44 | 92,1° | 23,6° | 1,00 | 1,00 |
| 135° | 8,55 | 6,05 | 14,40 | 111,6° | 14,8° | 1,00 | 1,00 |
| 150° | 8,07 | 6,99 | 13,10 | 132,9° | 12,1° | 1,00 | 1,00 |
| 165° | 7,71 | 7,45 | 12,31 | 156,1° | 11,1° | 1,00 | 1,00 |
| 180° | 7,50 | 7,50 | 12,14 | 180,0° | 10,2° | 1,00 | 1,00 |
| 174,6° (r) | 7,56 | 7,52 | 12,13 | 171,4° | 10,6° | 1,00 | 1,00 |



World Leader in Rating Technology

Polar Tables

Boat Name:
Sail No:
Sail: **Asymmetric Spinnaker on Pole**
Issued On: **02.10.2012 - VPP 2012 1.01**

| TWS = 6 Kts | | | | | | | |
|-------------|------|------|------|--------|-------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 60° | 4,13 | 2,06 | 8,65 | 35,2° | 12,2° | 1,00 | 1,00 |
| 70° | 4,88 | 1,67 | 8,75 | 38,1° | 12,7° | 1,00 | 1,00 |
| 75° | 5,15 | 1,33 | 8,67 | 39,7° | 12,8° | 1,00 | 1,00 |
| 80° | 5,35 | 0,93 | 8,52 | 41,5° | 12,9° | 1,00 | 1,00 |
| 90° | 5,55 | 0,00 | 7,98 | 46,0° | 12,7° | 1,00 | 1,00 |
| 110° | 5,35 | 1,83 | 6,36 | 58,4° | 11,9° | 1,00 | 1,00 |
| 120° | 5,18 | 2,59 | 5,48 | 65,9° | 11,4° | 1,00 | 1,00 |
| 135° | 4,48 | 3,17 | 4,11 | 85,6° | 10,7° | 1,00 | 1,00 |
| 150° | 3,74 | 3,24 | 3,20 | 115,1° | 10,0° | 1,00 | 1,00 |
| 165° | 3,24 | 3,13 | 2,88 | 148,5° | 9,5° | 1,00 | 1,00 |
| 180° | 3,02 | 3,02 | 2,88 | 180,0° | 9,3° | 1,00 | 1,00 |
| 144,1° (r) | 4,03 | 3,27 | 3,48 | 102,4° | 10,3° | 1,00 | 1,00 |

| TWS = 8 Kts | | | | | | | |
|-------------|------|------|-------|--------|-------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 60° | 5,20 | 2,60 | 11,24 | 35,7° | 14,7° | 1,00 | 1,00 |
| 70° | 6,04 | 2,06 | 11,23 | 39,1° | 15,6° | 1,00 | 1,00 |
| 75° | 6,28 | 1,63 | 11,05 | 41,2° | 15,8° | 1,00 | 1,00 |
| 80° | 6,44 | 1,12 | 10,77 | 43,6° | 15,7° | 1,00 | 1,00 |
| 90° | 6,55 | 0,00 | 10,00 | 49,1° | 15,1° | 1,00 | 1,00 |
| 110° | 6,46 | 2,21 | 8,12 | 62,3° | 12,8° | 1,00 | 1,00 |
| 120° | 6,24 | 3,12 | 7,04 | 70,8° | 11,9° | 1,00 | 1,00 |
| 135° | 5,54 | 3,92 | 5,45 | 90,1° | 11,1° | 1,00 | 1,00 |
| 150° | 4,81 | 4,16 | 4,35 | 117,3° | 10,4° | 1,00 | 1,00 |
| 165° | 4,24 | 4,09 | 3,91 | 149,1° | 9,8° | 1,00 | 1,00 |
| 180° | 3,96 | 3,96 | 3,90 | 180,0° | 9,4° | 1,00 | 1,00 |
| 151,7° (r) | 4,73 | 4,16 | 4,27 | 120,8° | 10,3° | 1,00 | 1,00 |

| TWS = 10 Kts | | | | | | | |
|--------------|------|------|-------|--------|-------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 60° | 6,11 | 3,05 | 13,66 | 36,4° | 17,0° | 1,00 | 1,00 |
| 70° | 6,83 | 2,33 | 13,27 | 40,0° | 21,2° | 1,00 | 1,00 |
| 75° | 7,02 | 1,82 | 12,97 | 42,6° | 21,1° | 1,00 | 1,00 |
| 80° | 7,14 | 1,24 | 12,67 | 45,8° | 19,1° | 1,00 | 1,00 |
| 90° | 7,20 | 0,00 | 11,81 | 52,4° | 16,9° | 1,00 | 1,00 |
| 110° | 7,20 | 2,46 | 9,71 | 66,7° | 14,4° | 1,00 | 1,00 |
| 120° | 6,95 | 3,48 | 8,54 | 76,1° | 12,6° | 1,00 | 1,00 |
| 135° | 6,41 | 4,53 | 6,82 | 94,4° | 11,5° | 1,00 | 1,00 |
| 150° | 5,72 | 4,96 | 5,57 | 120,0° | 10,7° | 1,00 | 1,00 |
| 165° | 5,12 | 4,95 | 5,03 | 150,2° | 10,1° | 1,00 | 1,00 |
| 180° | 4,83 | 4,83 | 5,00 | 180,0° | 9,5° | 1,00 | 1,00 |
| 156,5° (r) | 5,42 | 4,97 | 5,26 | 133,0° | 10,5° | 1,00 | 1,00 |

| TWS = 12 Kts | | | | | | | |
|--------------|------|------|-------|--------|-------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 60° | 6,54 | 3,27 | 15,40 | 36,6° | 24,4° | 1,00 | 0,88 |
| 70° | 7,10 | 2,43 | 14,77 | 41,5° | 25,8° | 0,96 | 0,91 |
| 75° | 7,29 | 1,89 | 14,34 | 44,2° | 26,5° | 0,97 | 0,92 |
| 80° | 7,42 | 1,29 | 13,90 | 47,2° | 26,6° | 0,98 | 0,95 |
| 90° | 7,62 | 0,00 | 12,88 | 53,7° | 26,7° | 1,00 | 0,99 |
| 110° | 7,67 | 2,62 | 11,24 | 71,1° | 15,6° | 1,00 | 1,00 |
| 120° | 7,44 | 3,72 | 10,03 | 81,1° | 13,5° | 1,00 | 1,00 |
| 135° | 7,05 | 4,98 | 8,25 | 98,9° | 11,9° | 1,00 | 1,00 |
| 150° | 6,46 | 5,59 | 6,89 | 122,9° | 11,0° | 1,00 | 1,00 |
| 165° | 5,92 | 5,72 | 6,23 | 151,2° | 10,4° | 1,00 | 1,00 |
| 180° | 5,60 | 5,60 | 6,19 | 180,0° | 9,6° | 1,00 | 1,00 |
| 162,5° (r) | 6,00 | 5,72 | 6,29 | 146,4° | 10,5° | 1,00 | 1,00 |

| TWS = 14 Kts | | | | | | | |
|--------------|------|------|-------|--------|-------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 60° | 6,71 | 3,36 | 17,09 | 38,2° | 24,8° | 0,92 | 0,81 |
| 70° | 7,25 | 2,48 | 16,36 | 43,6° | 26,5° | 0,93 | 0,81 |
| 75° | 7,41 | 1,92 | 15,91 | 46,8° | 26,6° | 0,93 | 0,83 |
| 80° | 7,53 | 1,31 | 15,40 | 50,2° | 26,7° | 0,94 | 0,85 |
| 90° | 7,80 | 0,00 | 14,35 | 57,1° | 26,7° | 0,96 | 0,89 |
| 110° | 8,07 | 2,76 | 12,78 | 74,6° | 16,7° | 1,00 | 1,00 |
| 120° | 7,87 | 3,93 | 11,51 | 85,0° | 15,1° | 1,00 | 1,00 |
| 135° | 7,49 | 5,30 | 9,74 | 103,1° | 12,3° | 1,00 | 1,00 |
| 150° | 7,04 | 6,10 | 8,31 | 125,8° | 11,3° | 1,00 | 1,00 |
| 165° | 6,57 | 6,34 | 7,57 | 152,5° | 10,6° | 1,00 | 1,00 |
| 180° | 6,28 | 6,28 | 7,47 | 180,0° | 9,7° | 1,00 | 1,00 |
| 167,4° (r) | 6,50 | 6,34 | 7,52 | 156,9° | 10,5° | 1,00 | 1,00 |

| TWS = 16 Kts | | | | | | | |
|--------------|------|------|-------|--------|-------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 60° | 6,83 | 3,42 | 18,76 | 39,6° | 25,4° | 0,89 | 0,72 |
| 70° | 7,34 | 2,51 | 17,95 | 45,6° | 26,6° | 0,89 | 0,74 |
| 75° | 7,48 | 1,94 | 17,45 | 49,1° | 26,7° | 0,90 | 0,75 |
| 80° | 7,60 | 1,32 | 16,91 | 52,7° | 26,7° | 0,90 | 0,76 |
| 90° | 7,99 | 0,00 | 15,86 | 59,8° | 26,7° | 0,93 | 0,82 |
| 110° | 8,50 | 2,91 | 14,00 | 76,9° | 21,4° | 1,00 | 1,00 |
| 120° | 8,27 | 4,14 | 13,04 | 88,0° | 16,1° | 1,00 | 1,00 |
| 135° | 7,89 | 5,58 | 11,28 | 106,5° | 12,9° | 1,00 | 1,00 |
| 150° | 7,47 | 6,47 | 9,84 | 128,6° | 11,6° | 1,00 | 1,00 |
| 165° | 7,09 | 6,85 | 9,02 | 153,7° | 10,8° | 1,00 | 1,00 |
| 180° | 6,84 | 6,84 | 8,87 | 180,0° | 9,9° | 1,00 | 1,00 |
| 171,8° (r) | 6,96 | 6,88 | 8,87 | 165,6° | 10,5° | 1,00 | 1,00 |

| TWS = 20 Kts | | | | | | | |
|--------------|------|------|-------|--------|-------|------|------|
| TWA | BTV | VMG | AWS | AWA | Heel | Reef | Flat |
| 60° | 6,90 | 3,45 | 21,93 | 41,8° | 26,9° | 0,83 | 0,60 |
| 70° | 7,37 | 2,52 | 21,07 | 48,9° | 26,7° | 0,83 | 0,62 |
| 75° | 7,52 | 1,95 | 20,51 | 52,7° | 26,8° | 0,83 | 0,63 |
| 80° | 7,72 | 1,34 | 19,95 | 56,5° | 26,7° | 0,83 | 0,66 |
| 90° | 8,29 | 0,00 | 18,88 | 63,9° | 26,7° | 0,86 | 0,75 |
| 110° | 8,91 | 3,05 | 16,29 | 81,8° | 26,9° | 0,95 | 0,89 |
| 120° | 9,22 | 4,61 | 15,39 | 91,8° | 23,9° | 1,00 | 1,00 |
| 135° | 8,68 | 6,14 | 14,33 | 111,2° | 15,2° | 1,00 | 1,00 |
| 150° | 8,21 | 7,11 | 13,00 | 132,5° | 12,3° | 1,00 | 1,00 |
| 165° | 7,86 | 7,59 | 12,17 | 155,8° | 11,2° | 1,00 | 1,00 |
| 180° | 7,64 | 7,64 | 12,00 | 180,0° | 10,2° | 1,00 | 1,00 |
| 174,6° (r) | 7,70 | 7,66 | 11,99 | 171,3° | 10,6° | 1,00 | 1,00 |