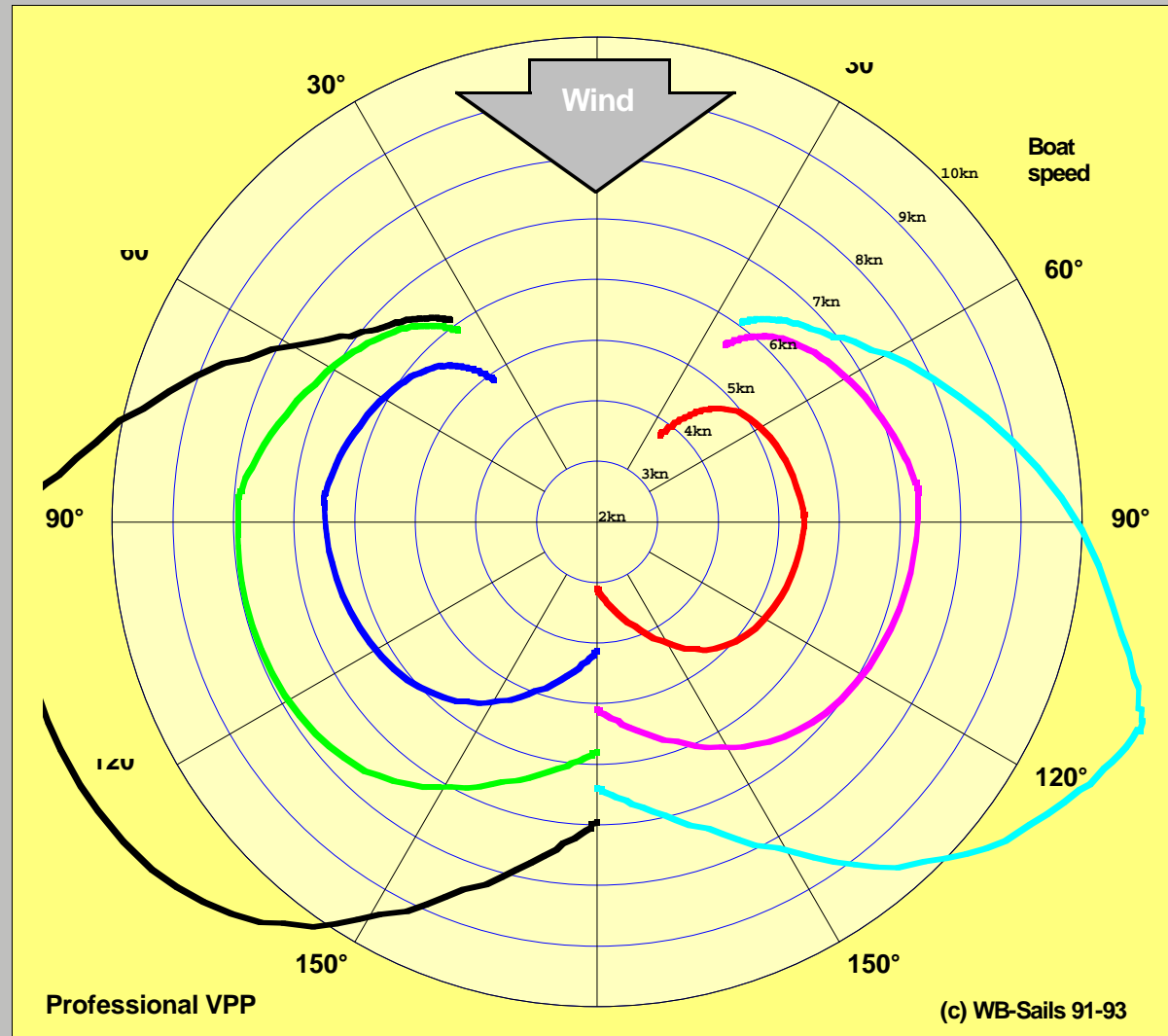


# Polar plot

SB3 (270kg crew  
at true wind speed

- 3.0 m/s
- 4.0 m/s
- 5.0 m/s
- 6.0 m/s
- 7.0 m/s
- 8.0 m/s



<b>Target speed &amp; angle</b>			
		<b>SB3 (270kg crew © WB-Sails 91-93</b>	
		03/15/08	
<b>True wind speed</b>		<b>Target angle</b>	<b>Target speed</b>
<b>3.0 m/s</b> 5.8 kn  Genoa #1	<b>Upwind</b>	True <b>44°</b> Apparent <b>22°</b>	<b>4.60 kn</b> 3.33 kn VMG
	<b>Downwind</b>	True <b>141°</b> Apparent <b>86°</b>	<b>4.75 kn</b> <b>-3.71 kn VMG</b>
<b>4.0 m/s</b> 7.8 kn  Genoa #1	<b>Upwind</b>	True <b>41°</b> Apparent <b>21°</b>	<b>5.41 kn</b> 4.10 kn VMG
	<b>Downwind</b>	True <b>154°</b> Apparent <b>124°</b>	<b>5.21 kn</b> <b>-4.70 kn VMG</b>
<b>5.0 m/s</b> 9.7 kn  Genoa #1	<b>Upwind</b>	True <b>39°</b> Apparent <b>20°</b>	<b>5.96 kn</b> 4.61 kn VMG
	<b>Downwind</b>	True <b>159°</b> Apparent <b>137°</b>	<b>5.87 kn</b> <b>-5.48 kn VMG</b>
<b>6.0 m/s</b> 11.7 kn  Genoa #1	<b>Upwind</b>	True <b>38°</b> Apparent <b>20°</b>	<b>6.10 kn</b> 4.80 kn VMG
	<b>Downwind</b>	True <b>160°</b> Apparent <b>139°</b>	<b>6.50 kn</b> <b>-6.09 kn VMG</b>
<b>7.0 m/s</b> 13.6 kn Genoa #3	<b>Upwind</b>	True <b>37°</b> Apparent <b>20°</b>	<b>6.18 kn</b> 4.92 kn VMG
	<b>Downwind</b>	True <b>135°</b> Apparent <b>248°</b>	<b>10.23 kn</b> <b>-7.23 kn VMG</b>
<b>8.0 m/s</b> 15.6 kn Genoa #3	<b>Upwind</b>	True <b>36°</b> Apparent <b>20°</b>	<b>6.12 kn</b> 4.95 kn VMG
	<b>Downwind</b>	True <b>135°</b> Apparent <b>64°</b>	<b>11.69 kn</b> <b>-8.27 kn VMG</b>

<b>Sailing times &amp; sec/mile</b>				
Course diameter		2.0 nm		03/15/08
<b>SB3 (270kg crew © WB-Sails -92</b>				
True wind speed	Olympic course		Circular Random	
	Elapsed time	Sec/mile	Elapsed time	Sec/mile
<b>3.0 m/s</b>	02:53:12	960 sec/mi	01:25:24	816 sec/mi
<b>4.0 m/s</b>	02:22:33	790 sec/mi	01:10:08	670 sec/mi
<b>5.0 m/s</b>	02:06:58	704 sec/mi	01:01:21	586 sec/mi
<b>6.0 m/s</b>	01:52:36	624 sec/mi	00:55:50	533 sec/mi
<b>7.0 m/s</b>	01:49:12	605 sec/mi	00:50:56	486 sec/mi
<b>8.0 m/s</b>	01:41:45	564 sec/mi	00:51:11	489 sec/mi
<b>IMS General purpose handicap</b>				
<b>602 sec/mi</b>				
True wind speed	Americas Cup course		Windward/leeward	
	Elapsed time	Sec/mile	Elapsed time	Sec/mile
<b>3.0 m/s</b>	05:23:36	971 sec/mi		0 sec/mi
<b>4.0 m/s</b>	04:22:09	786 sec/mi		0 sec/mi
<b>5.0 m/s</b>	03:50:21	691 sec/mi		0 sec/mi
<b>6.0 m/s</b>	03:34:19	643 sec/mi		0 sec/mi
<b>7.0 m/s</b>	03:11:12	574 sec/mi		0 sec/mi
<b>8.0 m/s</b>	03:07:23	562 sec/mi		0 sec/mi
True wind speed	Globe Challenge/Jules Verne		Windward/leeward	
	Elapsed time	Sec/mile	Elapsed time	Sec/mile
<b>3.0 m/s</b>	223 days 15 h	805 sec/mi		0 sec/mi
<b>4.0 m/s</b>	182 days 9 h	657 sec/mi		0 sec/mi
<b>5.0 m/s</b>	160 days 12 h	578 sec/mi		0 sec/mi
<b>6.0 m/s</b>	148 days 7 h	534 sec/mi		0 sec/mi
<b>7.0 m/s</b>	127 days 8 h	458 sec/mi		0 sec/mi
<b>8.0 m/s</b>	131 days 11 h	473 sec/mi		0 sec/mi