



## Notice to Competitors 2

### Vic-Maui Wind Matrix and Distance

**March 7, 2016**

The Vic-Maui Wind Matrix that is used to construct the course conditions for Vic-Maui has been updated for 2016.

The daily wind observations for the 6 most recent Vic-Maui races (2004-2014) have been compiled and analyzed. The resulting wind information has been blended using a 50/50 weighting with the previous Vic-Maui Wind Matrix which was derived from the North Pacific Ocean July Pilot Chart produced by the U.S. Government. The updated Vic-Maui Wind Matrix indicates a little more reaching, a little less running and more wind at the light and heavy ends of the matrix.

Our analysis of the last 6 races shows that while the typical course stays to the east and south of the Pacific High, enough boats sail close to the rhumb line to statistically limit the deviation and make it difficult to justify using a distance other than the rhumb line distance.

In accordance with Notice of Race 7.3, time allowances will be calculated from the ORC velocity prediction program, the Vic-Maui Weather Matrix, and a course length of 2,308 nautical miles. This will result in a single time allowance for each boat for use in the 2016 Vic-Maui race.

#### 2016 Vic-Maui Wind Matrix

True Wind Angle	True Wind Speed (kts)						
	6	8	10	12	14	16	20
VMG BEAT	1.6%	1.2%	0.9%	0.4%	0.3%	0.1%	0.1%
60	1.1%	0.6%	0.6%	0.7%	0.3%	0.1%	0.4%
90	1.2%	2.1%	2.3%	1.1%	0.9%	0.1%	0.7%
110	1.0%	1.2%	1.6%	1.9%	1.5%	1.1%	2.2%
120	0.4%	0.7%	1.4%	2.7%	1.8%	0.8%	1.2%
135	0.2%	0.8%	0.7%	0.7%	0.7%	0.5%	2.0%
150	1.6%	3.9%	5.1%	5.1%	4.2%	3.6%	6.1%
VMG RUN	0.3%	1.5%	3.9%	4.0%	6.3%	6.0%	6.5%



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