



Handicapping

- **ORC IS NOT PHRF**
 - PHRF methodology does not work for ocean races
 - IRC has limitations
- ORC is math based, World Sailing supported, allows custom courses
 - Allowances are not subject to local adjustments
 - Used for major European races, Local fleet, Sydney-Hobart, more and more USA races
- Time allowances are based on proprietary Velocity Prediction Program and expected weather
- Lahaina Division has the option of an ORC Cert or estimate by Measurer, but boats without proof of ISO stability may need an ORC Cert
- Apply on-line to ORC for ORC International certificate
 - Enter your data onto www.orc.org or www.ussailing.org/competition/offshore/orc/.
 - You will receive a “Test” Certificate from ORC-Canada or US Sailing
 - Most hull forms in ORC database or available from Builder
 - Local ORC will determine measurement requirements for freeboard and incline measurement
 - Final Certificate issued after payment (fees set by national offices)
- Submit Final Certificate to Vic-Maui by June 13, 2022



BOAT Name Salient Sail Nr CAN 52082	GPH 595.0	HULL Length Overall 11.924m Maximum Beam 3.770m Displacement 7,419kg Draft 2.430m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.028% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder Yes Crew Arm Extension
GENERAL Class First 40.7 Designer Farr Builder Benetau Series 12/1997 Age 03/2002 Age Allowance 0.487% Offset File EFRST407.OFF - 11/26/16 12:39:28 PM Measurement by Haggerty - 13/02/2016		IMSL 10.700m VCGD -0.211m Sink 22.59kg/mm RL 9.721m VCGM 0.017m WS 30.08m² LSM0 10.615m Displacement/Length ratio 6.2028



2018
ORC International
Certificate

Rating Office
Portsmouth Olympic
Harbour
53 Yonge Street
Kingston, Ontario
Canada K7M 6G4



SCORING OPTIONS									
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD					
Time on Distance	578.3			644.0					
Time on Time	1.0376			1.0482					
Triple Number	Low	Medium	High	Low	Medium	High			
Time on Distance	679.9	527.3	472.6	875.6	647.5	563.6			
Time on Time	0.9928	1.2800	1.4282	0.7709	1.0425	1.1977			

TIME ALLOWANCES								
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt	
Beat VMG	965.8	803.2	713.6	677.3	661.9	654.6	649.4	
52°	640.0	538.8	494.3	478.4	472.4	469.3	468.0	
60°	608.8	517.9	482.4	467.4	460.8	457.2	454.5	
75°	586.3	504.9	473.9	457.4	445.7	438.7	432.0	
90°	592.5	506.8	472.8	454.0	438.7	425.2	407.2	
110°	620.9	512.2	468.7	445.6	425.8	408.8	390.7	
120°	640.1	525.1	474.6	449.2	426.8	405.7	372.8	
135°	706.5	573.4	498.8	465.6	443.3	420.9	378.3	
150°	836.7	664.4	561.4	497.6	466.8	445.8	404.8	
Run VMG	966.1	767.2	648.1	569.2	517.2	479.2	436.6	
Selected Courses								
Windward / Leeward	966.0	785.2	680.8	623.2	589.6	566.9	543.0	
Circular Random	817.2	660.6	577.2	529.3	500.2	481.3	457.8	
Coastal / Long Distance	966.0	738.9	615.3	546.1	510.3	482.1	437.4	
Non Spinnaker	861.3	692.0	600.7	547.5	514.9	493.6	467.0	

Certificate
Number **BC8001**
ORC Ref **CAN0000604**
Issued on **4/29/18**
VPP Ver. **2018.1.00**
Valid until **12/31/18**

Crew Weight
Default **749kg**
Maximum **749kg**
Minimum* **582kg**
*when applied by the NoR and SI
Non Manual Pwr **No**

Special Scoring

	ToD	ToT
Double H. GPH	598.2	1.0029
Double H. OSN	583.4	1.0285
Non Spin GPH	619.8	0.9621
Non Spin OSN	602.6	0.9957

Sails Limitations

Headsails	Spinnakers
6	4

Class Division Length
CDL = **10.211**

Storm Sails Areas

Heavy Weather Jib	32.85
Storm Jib (JL=10.14)	12.17
Storm Trysail	13.87

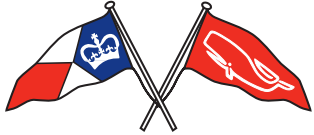
Owner
Christof Marti
863 Fredrick Rd.
North Vancouver, BC
Canada V7K 2Y5

I certify that I understand my responsibilities under ORC Rules and Regulations
Signature

Not Used for Vic-Maui

Input to Time Allowance Calculation

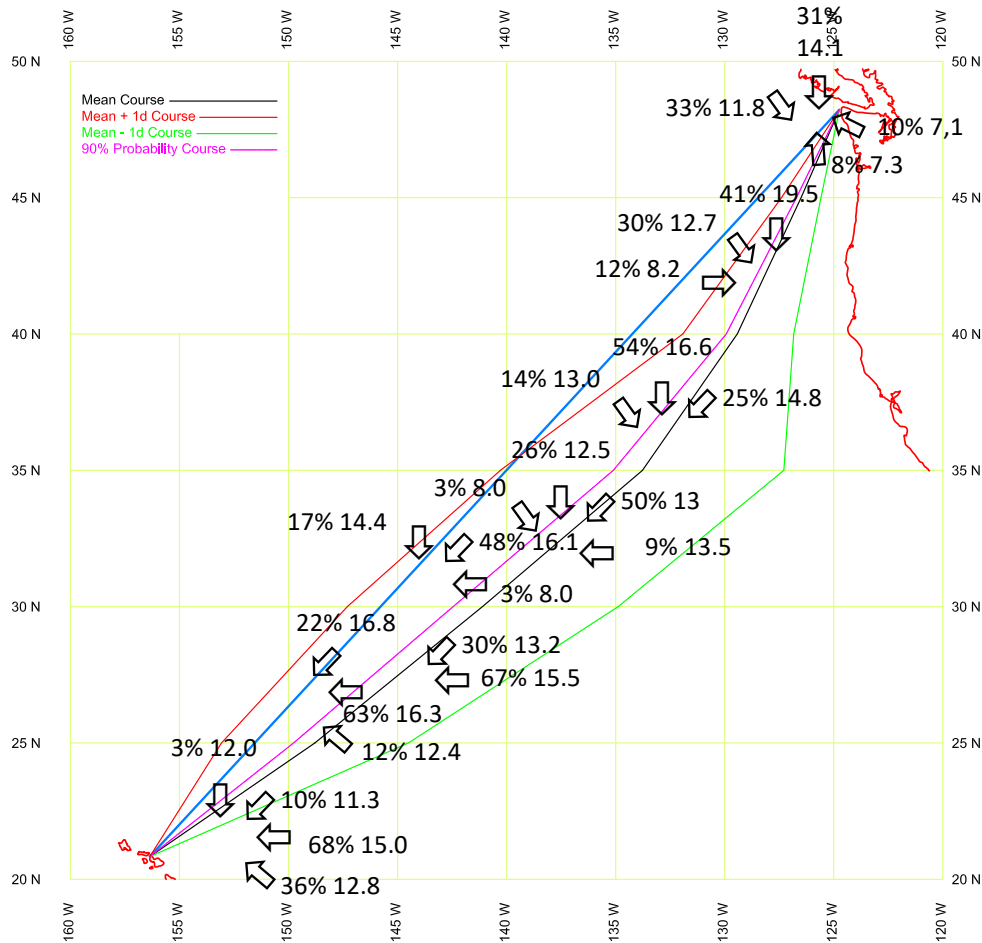
These are your boat's speed target Polars



VIC MAUI
INTERNATIONAL YACHT RACE

Expected Weather

VIC-MAUI— MEAN COURSES 2006 TO 2014





VIC MAUI
INTERNATIONAL YACHT RACE

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%
RUN	0.3%	1.5%	3.9%	4.0%	6.3%	6.0%	6.5%

Boat VPP x Wind

	True Wind Angle			True Wind Speed (kts)			
	6	8	10	12	14	16	20
VMG							
BEAT	15.5	9.6	6.4	2.7	2.0	0.7	0.6
60	6.7	3.1	2.9	3.3	1.4	0.5	1.8
90	7.1	10.6	10.9	5.0	3.9	0.4	2.9
110	6.2	6.1	7.5	8.5	6.4	4.5	8.6
120	2.6	3.7	6.6	12.1	7.7	3.2	4.5
135	1.4	4.6	3.5	3.3	3.1	2.1	7.6
150	13.4	25.9	28.6	25.4	19.6	16.0	24.7
RUN	2.9	11.5	25.3	22.8	32.6	28.8	28.4

Vic Maui Time Allowance

517.5



Time Allowance

- Time allowance is the sum of performance matrix cells
 - Good for Vic-Maui only
- Expressed as seconds to sail 1 mile averaged over historical wind over the course
- Time on Distance allows boats to monitor performance and corrected time to leader
 - Correction is simply Handicap x 2308 n.miles
- Handicap = Your T.A. – T.A. of scratch boat
 - Just like PHRF