

BOAT Name PROMETEO Sail Nr URU-5555	GPH 641,8	HULL Length Overall 9,312m Maximum Beam 3,108m Displacement 3.911kg Draft 1,996m IMS Reg. Division Performance Dynamic Allowance 0,039% Fwd Accommodation No Hull Construction Solid Carbon Rudder No Crew Arm Extension IMSL 8,907m VCGD -0,139m Sink 14,45kg/mm RL 8,254m VCGM -0,307m WS 19,88m² LSM0 8,762m Displacement/Length ratio 5,8140
GENERAL Class IRC 305 Designer PGYD Builder AST. ROSENDO Series 03/2012 Age 03/2012 Age Allowance 0,130% Offset File URU5555.off - 28/12/2013 09:25:20 Measurement by J. C. Maculan - 19/06/2015		



World Leader in Rating Technology

2016
ORC International
Certificate

Rating Office
PATRICIO D. GUTIERREZ
C. GRIERSON Y
COSTANERASUR
Y.C.A



SCORING OPTIONS						
	OFFSHORE COASTAL / LONG DISTANCE			INSHORE WINDWARD / LEEWARD		
Time On Distance	622,2			690,1		
Time On Time	0,9644			0,9781		
Performance Line	PLT 0,954	PLD 162,8	PLT 0,797	PLD 182,2		
	Low 0,9128	Medium 1,1878				
Triple Number	0,9128	1,1878	1,3532	0,7063	0,9701	1,1385

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1104,2	912,7	803,3	735,0	703,0	686,4	670,4
52°	721,3	603,2	544,2	517,7	503,8	497,1	491,1
60°	678,9	571,9	527,9	505,9	491,1	481,7	473,4
75°	643,7	550,8	516,1	495,7	477,3	460,3	441,1
90°	647,2	549,6	508,9	493,0	477,5	459,3	422,7
110°	652,3	543,9	504,7	477,2	452,0	438,2	414,5
120°	670,8	554,7	510,6	483,3	455,0	427,3	395,4
135°	737,8	599,5	532,0	501,3	476,1	449,3	395,3
150°	871,1	692,7	586,9	529,2	501,2	477,7	428,5
Run VMG	1005,9	800,2	676,4	597,7	542,8	510,4	464,2

Selected Courses							
Windward / Leeward	1055,0	856,5	739,8	666,3	622,9	598,4	567,3
Circular Random	887,6	715,6	622,8	567,9	533,2	509,5	477,3
Ocean for PCS	883,2	705,6	608,1	549,9	512,2	485,4	445,7
Non Spinnaker	948,1	758,4	654,6	592,7	553,6	527,2	492,6

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	43,2°	41,8°	41,5°	39,4°	38,0°	37,1°	36,2°
Beat VMG	3,26	3,94	4,48	4,90	5,12	5,25	5,37
52°	4,99	5,97	6,62	6,95	7,15	7,24	7,33
60°	5,30	6,29	6,82	7,12	7,33	7,47	7,60
75°	5,59	6,54	6,98	7,26	7,54	7,82	8,16
90°	5,56	6,55	7,07	7,30	7,54	7,84	8,52
110°	5,52	6,62	7,13	7,54	7,96	8,22	8,68
120°	5,37	6,49	7,05	7,45	7,91	8,43	9,10
135°	4,88	6,00	6,77	7,18	7,56	8,01	9,11
150°	4,13	5,20	6,13	6,80	7,18	7,54	8,40
Run VMG	3,58	4,50	5,32	6,02	6,63	7,05	7,75
Gybe Angles	145,8°	150,1°	151,4°	159,3°	180,0°	180,0°	180,0°

Certificate
Number **555501**
ORC Ref **ARG00001514**
Issued On **15/01/2016**
VPP Ver. **2016 1.00**
Valid until **31/12/2016**

Crew Weight
Declared **570kg**
Default* **570kg**
Non Manual Pwr **No**

Special Scoring
ToD ToT
Non Spin GPH **675,6 0,8881**
Non Spin OSN **653,4 0,9183**
N/S Perf. Line **82,6 0,757**

Sails Limitations
Headsails **6**
Spinnakers **3**

Class Division Length
CDL = **8,581**

Storm Sails Areas
Heavy Weather Jib **17,96**
Storm Jib (JL=7,50) **6,65**
Storm Trysail **8,02**

Owner
HARRY GIURIA

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

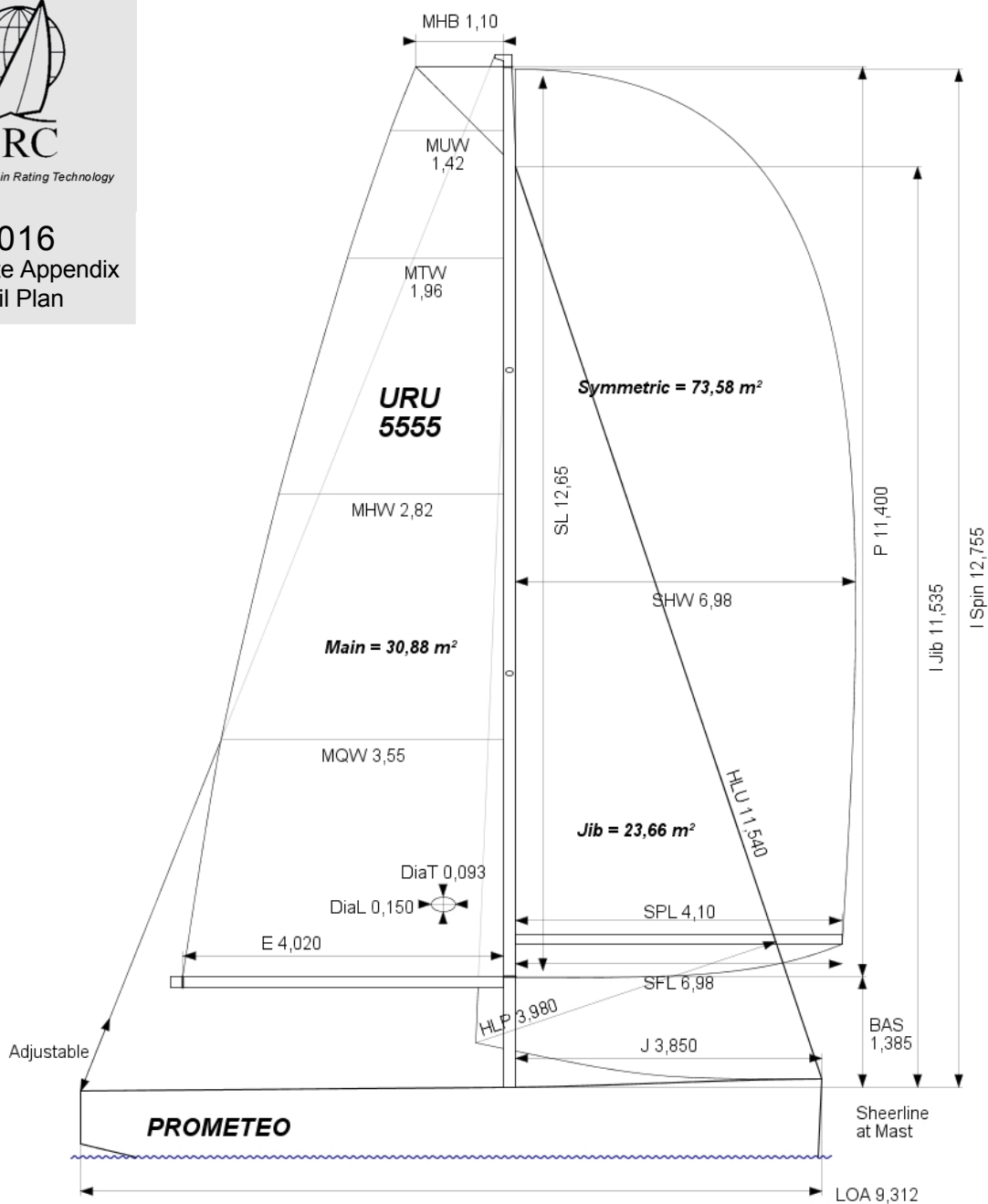
Signature

BOAT Name PROMETEO Sail Nr URU-5555 File URU5555.dxt Data in meters/kilograms		INCLINING TEST AND FREEBOARDS Inclining Test Boom Inclining Flotation date 19/06/2015 SG 1,0000		 2016 Measurements Datasheet																																				
RIG Forestay Tension Aft Spreaders 2 Inner Stay None Fitted Runners 0 Carbon Mast No Jumper Struts None Taper Hollows No Jib Furler No Fiber Rigging No Main Furler No Lenticular Rigging No Without Backstay No Articulated Bowsprit No		FFM 0,969 FF 0,979 SFFP 0,408 FAM 0,819 FA 0,824 SAFFP 9,309 W1 69,000 PD1 492,7 WD 7,660 W2 69,000 PD2 494,6 GSA 1,0 W3 69,000 PD3 490,8 RSA 1,0 W4 69,000 PD4 494,6 PLM 9000,0																																						
P 11,400 E 4,020 MDT1 0,093 MW 0,150 IG 11,535 J 3,850 MDL1 0,150 GO 0,150 ISP 12,755 SFJ 0,000 MDT2 0,093 BD 0,136 BAS 1,385 SPL 4,100 MDL2 0,110 MWT 79,00 FSP 0,056 TPS TL 1,040 MCG 4,650		LCF from stem on CL / on sheer 5,047 / 5,254 Maximum beam station from stem 7,100 RM Measured 84,4kg·m RM Default 71,3kg·m Limit of positive stability / Stab.Index 132,2° / 132,4 Freeboard at mast at 3,850 0,874																																						
MIZZEN RIG AND SAILS N/A		PROPELLER Type No Propeller																																						
COMMENTS 		MOVEABLE BALLAST N/A																																						
		CENTERBOARD N/A																																						
SAILS (Maximum Areas) <table border="1"> <thead> <tr> <th>Mainsail</th> <th>MHB</th> <th>MUW</th> <th>MTW</th> <th>MHW</th> <th>MQW</th> <th>Area</th> <th>Area (r)</th> <th>Formula</th> </tr> </thead> <tbody> <tr> <td></td> <td>1,100</td> <td>1,42</td> <td>1,96</td> <td>2,82</td> <td>3,55</td> <td>30,88</td> <td>31,75</td> <td>$P/8 \cdot (E + 2 \cdot MQW + 2 \cdot MHW + 1.5 \cdot MTW + MUW + 0.5 \cdot MHB)$</td> </tr> <tr> <td>Symmetric</td> <td>SLU</td> <td>SLE</td> <td>SL</td> <td>SHW</td> <td>SFL</td> <td>73,58</td> <td></td> <td>$SL \cdot (SFL + 4 \cdot SHW) / 6$</td> </tr> <tr> <td>Asymmetric</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula		1,100	1,42	1,96	2,82	3,55	30,88	31,75	$P/8 \cdot (E + 2 \cdot MQW + 2 \cdot MHW + 1.5 \cdot MTW + MUW + 0.5 \cdot MHB)$	Symmetric	SLU	SLE	SL	SHW	SFL	73,58		$SL \cdot (SFL + 4 \cdot SHW) / 6$	Asymmetric								
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SAILS INVENTORY

MAINSAIL

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
M2	1,100	1,42	1,96	2,82	3,55	30,88		15/01/2013	NORTH	Kevlar	
MA	0,150	0,82	1,52	2,62	3,50	27,69				Unknown	

HEADSAILS

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Overlp	Area	Btm	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
G1 M	0,09		1,12	2,08		3,98	11,54	103%	23,66				15/01/2013	NORTH	Kevlar	

SYMMETRIC SPINNAKERS

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
S 2	12,65	12,65	12,65	6,98	6,98	73,58		11/01/2012	HOOD	Nylon	* Copied from legacy *
S1	11,79	11,79	11,79	6,56	6,53	64,39			ELVSTROM	Nylon	

ASYMMETRIC SPINNAKERS

Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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