

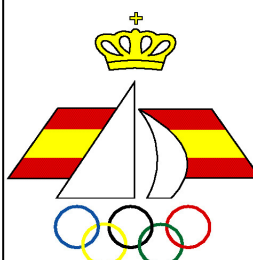
<b>BOAT</b> Name <b>CALABRUIX II</b> Sail Nr <b>ESP-2025</b>	<b>GPH</b> <b>815,1</b>	<b>HULL</b> Length Overall <b>7,015m</b> Maximum Beam <b>2,470m</b> Displacement <b>1.318kg</b> Draft <b>1,242m</b> IMS Reg. Division <b>Cruiser/Racer</b> Dynamic Allowance <b>0,416%</b> Fwd Accommodation <b>Yes</b> Hull Construction <b>Solid</b> Carbon Rudder <b>No</b> Crew Arm Extension
<b>GENERAL</b> Class <b>SOMO 23</b> Designer <b>F.ROCA</b> Builder <b>TAYLOR</b> Series <b>03/1977</b> Age <b>03/1982</b> Age Allowance <b>0,487%</b> Offset File <b>E252.OFF - 29/08/1995 13:39:00</b> Measurement by <b>JJBeltran - 11/10/2010</b>		IMSL <b>5,990m</b> VCGD <b>-0,011m</b> Sink <b>7,58kg/mm</b> RL <b>4,664m</b> VCGM <b>0,071m</b> WS <b>9,85m<sup>2</sup></b> LSM0 <b>5,995m</b> Displacement/Length ratio <b>6,1171</b>



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**2018**  
ORC International  
Certificate

**Rating Office**  
R.F.E.V.  
Luis de Salazar,9  
28002 Madrid  
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<b>SCORING OPTIONS</b>						
	<b>COASTAL / LONG DISTANCE</b>			<b>WINDWARD / LEEWARD</b>		
Time on Distance	<b>789,7</b>			<b>879,7</b>		
Time on Time	<b>0,7598</b>			<b>0,7673</b>		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	<b>943,4</b>	<b>720,5</b>	<b>635,7</b>	<b>1213,4</b>	<b>888,2</b>	<b>764,4</b>
Time on Time	<b>0,7155</b>	<b>0,9368</b>	<b>1,0619</b>	<b>0,5563</b>	<b>0,7600</b>	<b>0,8831</b>

<b>TIME ALLOWANCES</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	<b>1426,3</b>	<b>1196,9</b>	<b>1070,5</b>	<b>977,7</b>	<b>920,1</b>	<b>904,6</b>	<b>933,7</b>
52°	<b>938,2</b>	<b>795,9</b>	<b>709,2</b>	<b>664,6</b>	<b>640,9</b>	<b>630,0</b>	<b>632,4</b>
60°	<b>890,9</b>	<b>755,6</b>	<b>680,4</b>	<b>645,8</b>	<b>624,4</b>	<b>611,2</b>	<b>607,6</b>
75°	<b>856,1</b>	<b>724,2</b>	<b>658,5</b>	<b>628,1</b>	<b>608,7</b>	<b>590,4</b>	<b>567,3</b>
90°	<b>825,0</b>	<b>684,0</b>	<b>628,0</b>	<b>596,9</b>	<b>573,6</b>	<b>560,8</b>	<b>546,3</b>
110°	<b>812,2</b>	<b>676,9</b>	<b>624,8</b>	<b>591,8</b>	<b>559,8</b>	<b>532,2</b>	<b>496,5</b>
120°	<b>837,3</b>	<b>692,3</b>	<b>632,4</b>	<b>599,0</b>	<b>567,2</b>	<b>537,8</b>	<b>487,7</b>
135°	<b>937,4</b>	<b>760,4</b>	<b>658,1</b>	<b>618,5</b>	<b>588,0</b>	<b>557,8</b>	<b>505,3</b>
150°	<b>1076,6</b>	<b>858,7</b>	<b>725,3</b>	<b>649,6</b>	<b>615,4</b>	<b>587,0</b>	<b>533,5</b>
Run VMG	<b>1243,2</b>	<b>986,9</b>	<b>831,9</b>	<b>720,8</b>	<b>655,9</b>	<b>621,0</b>	<b>566,5</b>

**Certificate**  
Number **202501**  
ORC Ref **ESP00026948**  
Issued On **09/01/2018**  
VPP Ver. **2018 1.00**  
Valid until **31/12/2018**

**Crew Weight**  
Default **332kg**  
Maximum **320kg**  
Minimum\* **235kg**  
*\*when applied by the NoR and SI*  
Non Manual Pwr **No**

**Special Scoring**

	ToD	ToT
Double H.GPH	<b>815,3</b>	<b>0,7359</b>
Double H.OSN	<b>790,7</b>	<b>0,7589</b>
Non Spin GPH	<b>850,0</b>	<b>0,7059</b>
Non Spin OSN	<b>818,4</b>	<b>0,7331</b>

<b>Selected Courses</b>							
Windward / Leeward	<b>1334,7</b>	<b>1091,9</b>	<b>951,2</b>	<b>849,3</b>	<b>788,0</b>	<b>762,8</b>	<b>750,1</b>
Circular Random	<b>1129,8</b>	<b>910,1</b>	<b>790,7</b>	<b>720,1</b>	<b>676,6</b>	<b>649,5</b>	<b>621,1</b>
Coastal / Long Distance	<b>1325,6</b>	<b>1023,1</b>	<b>854,4</b>	<b>745,3</b>	<b>684,6</b>	<b>645,0</b>	<b>586,4</b>
Non Spinnaker	<b>1189,5</b>	<b>953,3</b>	<b>823,8</b>	<b>746,7</b>	<b>699,0</b>	<b>668,9</b>	<b>636,3</b>

**Sails Limitations**

Headsails	Spinnakers
<b>5</b>	<b>3</b>

<b>Velocity Prediction in Knots for True Wind Speeds</b>							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	<b>43,0°</b>	<b>41,7°</b>	<b>42,4°</b>	<b>41,9°</b>	<b>40,5°</b>	<b>40,6°</b>	<b>42,7°</b>
Beat VMG	<b>2,52</b>	<b>3,01</b>	<b>3,36</b>	<b>3,68</b>	<b>3,91</b>	<b>3,98</b>	<b>3,86</b>
52°	<b>3,84</b>	<b>4,52</b>	<b>5,08</b>	<b>5,42</b>	<b>5,62</b>	<b>5,71</b>	<b>5,69</b>
60°	<b>4,04</b>	<b>4,76</b>	<b>5,29</b>	<b>5,57</b>	<b>5,77</b>	<b>5,89</b>	<b>5,93</b>
75°	<b>4,21</b>	<b>4,97</b>	<b>5,47</b>	<b>5,73</b>	<b>5,91</b>	<b>6,10</b>	<b>6,35</b>
90°	<b>4,36</b>	<b>5,26</b>	<b>5,73</b>	<b>6,03</b>	<b>6,28</b>	<b>6,42</b>	<b>6,59</b>
110°	<b>4,43</b>	<b>5,32</b>	<b>5,76</b>	<b>6,08</b>	<b>6,43</b>	<b>6,76</b>	<b>7,25</b>
120°	<b>4,30</b>	<b>5,20</b>	<b>5,69</b>	<b>6,01</b>	<b>6,35</b>	<b>6,69</b>	<b>7,38</b>
135°	<b>3,84</b>	<b>4,73</b>	<b>5,47</b>	<b>5,82</b>	<b>6,12</b>	<b>6,45</b>	<b>7,12</b>
150°	<b>3,34</b>	<b>4,19</b>	<b>4,96</b>	<b>5,54</b>	<b>5,85</b>	<b>6,13</b>	<b>6,75</b>
Run VMG	<b>2,90</b>	<b>3,65</b>	<b>4,33</b>	<b>4,99</b>	<b>5,49</b>	<b>5,80</b>	<b>6,36</b>
Gybe Angles	<b>149,5°</b>	<b>154,4°</b>	<b>154,4°</b>	<b>172,4°</b>	<b>180,0°</b>	<b>180,0°</b>	<b>180,0°</b>

**Class Division Length**  
CDL = **5,328**

**Storm Sails Areas**


Heavy Weather Jib	<b>2,532</b>
Storm Jib	<b>9,379</b>
Storm Triesail	<b>3,12</b>

**Owner**

<b>BOAT</b>	
Name <b>CALABRUIX II</b> File <b>E2025</b>	Sail Nr <b>ESP-2025</b> Data in <b>meters/kilograms</b>

<b>INCLINING TEST AND FREEBOARDS</b>			
Inclining Test <b>Current Inclining</b>		Flotation date <b>11/10/2010</b> SG <b>1,0260</b>	
FFM <b>0,885</b>	FF <b>0,882</b>	SFFP <b>0,274</b>	
FAM <b>0,819</b>	FA <b>0,827</b>	SAFP <b>6,462</b>	
W1 <b>20,0</b>	PD1 <b>551,8</b>	WD <b>7,200</b>	
W2 <b>20,0</b>	PD2 <b>510,9</b>	GSA <b>1,0</b>	
W3 <b>20,0</b>	PD3 <b>509,3</b>	RSA <b>1,0</b>	
W4 <b>20,0</b>	PD4 <b>508,4</b>	PLM <b>9000,0</b>	
LCF from stem on CL / on sheer		<b>3,768 / 3,961</b>	
Maximum beam station from stem		<b>4,250</b>	
RM Measured		<b>21,8kg·m</b>	
RM Default		<b>21,0kg·m</b>	
Limit of positive stability / Stab.Index		<b>110,5° / 102,4</b>	
Freeboard at mast at 2,590		<b>0,820</b>	

<b>RIG</b>			
Forestay Tension <b>Aft</b>	Spreaders <b>1</b>		
Inner Stay <b>None Fitted</b>	Runners <b>0</b>		
Carbon Mast <b>No</b>	Jumper Struts <b>None</b>		
Taper Hollows <b>No</b>	Jib Furler <b>No</b>		
Fiber Rigging <b>No</b>	Main Furler <b>No</b>		
Lenticular Rigging <b>No</b>	Without Backstay <b>No</b>		
Articulated Bowsprit <b>No</b>			
P <b>7,930</b>	E <b>2,250</b>	MDT1 <b>0,080</b>	MW <b>0,110</b>
IG <b>7,470</b>	J <b>2,290</b>	MDL1 <b>0,110</b>	GO <b>2,400</b>
ISP <b>7,520</b>	SFJ <b>0,300</b>	MDT2 <b>0,080</b>	BD <b>0,080</b>
BAS <b>0,940</b>	SPL <b>2,365</b>	MDL2 <b>0,110</b>	MWT <b></b>
FSP <b></b>	TPS <b></b>	TL <b>0,900</b>	MCG <b></b>



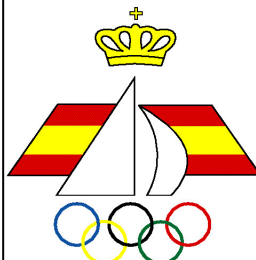
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**IMS Measurement Certificate**

**Certificate**

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<b>MIZZEN RIG AND SAILS</b>	
N/A	

<b>PROPELLER</b>	
Type <b>No Propeller</b>	

<b>COMMENTS</b>	

<b>MOVABLE BALLAST</b>	
N/A	

<b>CENTERBOARD</b>	
N/A	

<b>SAILS (Maximum Areas)</b>									
Mainsail	MHB	MUW	MTW	MHW	MQW	Area	Area (r)	Formula	
	0,130	0,49	0,85	1,42	1,87	10,57	10,70	P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB)	
Symmetric	SLU	SLE	SL	SHW	SFL	28,33		SL · (SFL + 4·SHW) / 6	
	7,72	7,72	7,72	4,46	4,18				
Asymmetric	Not Available								

<b>HEADSAILS</b>												
Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB)												
<b>HHB</b>	<b>HUW</b>	<b>HTW</b>	<b>HHW</b>	<b>HQW</b>	<b>HLP</b>	<b>HLU</b>	<b>Area</b>	<b>Btn</b>	<b>Fly</b>	<b>Meas.Date</b>	<b>Material</b>	<b>Comment</b>
0,07	0,46	0,90	1,77	2,65	3,54	7,12	12,66					
0,07	0,36	0,66	1,16	1,74	2,58	7,18	8,82				Unknow	

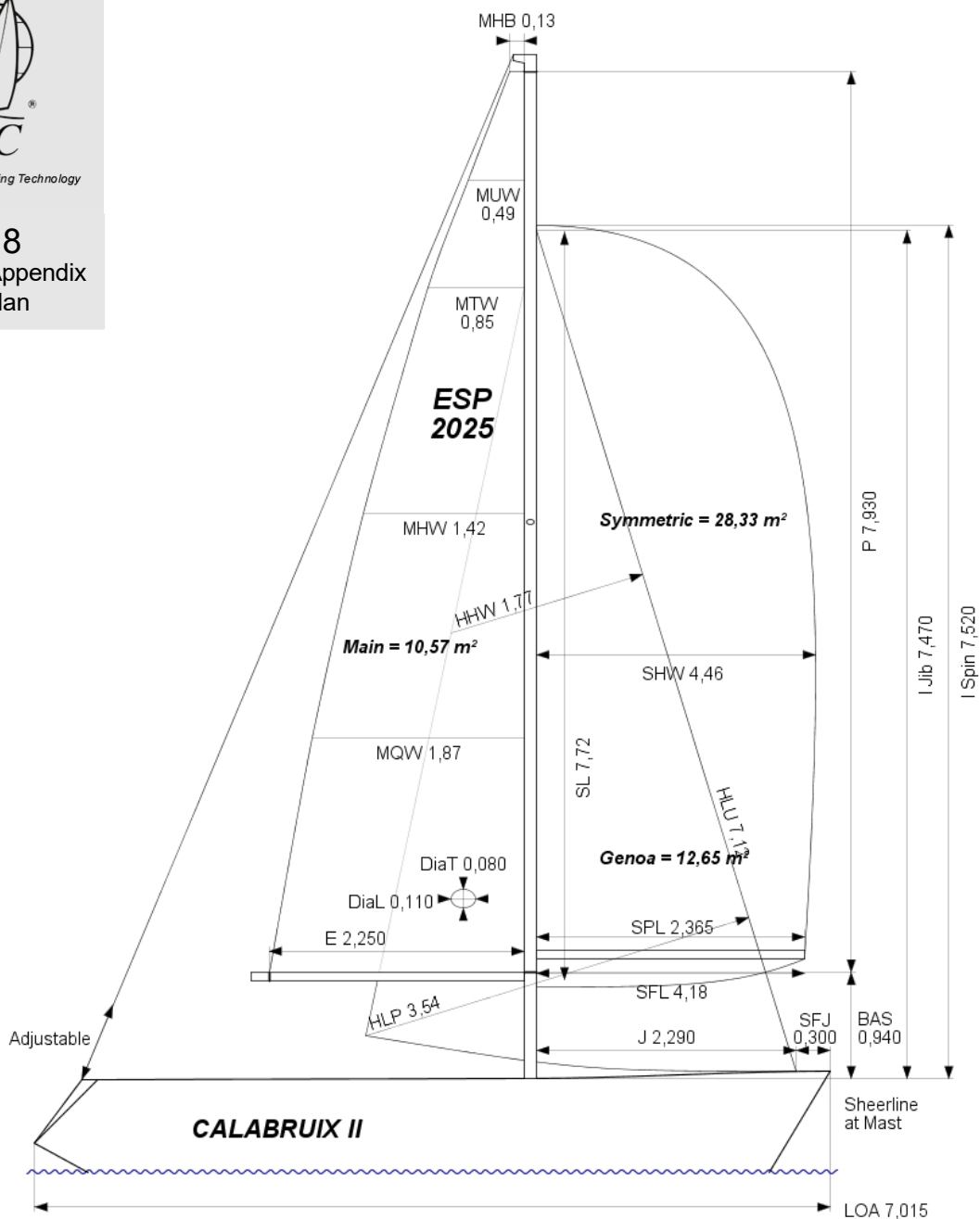
<b>MEASUREMENT INVENTORY</b>				
Measurer <b>JJ BELTRAN ESP 493</b>				
Date <b>11/10/2010</b>				
Comment				
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>
0R	Anchor	14,0	5,00	ANCLA
+	Chain	6,0	5,00	CADENA
+	Feels	5,0	3,00	
<i>Id</i>	<i>Item</i>	<i>Maker</i>	<i>Model</i>	
1	Engine	FUERA BORDA	8CV	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Description</i>	

<b>MEASUREMENT INVENTORY</b>						
<i>Id</i>	<i>Item</i>	<i>Tank Use</i>	<i>Tank Type</i>	<i>Capcty</i>	<i>Dist.</i>	<i>VCG Condtn Description</i>
1	Tank	AGUA	PLASTICO	50,0	6,50	
1	Tank	GASOLINA	PLASTIC	15,0	6,50	
<i>Id</i>	<i>Item</i>	<i>Weight</i>	<i>Distance</i>	<i>VCG Description</i>		
1	Battery	10,0	6,00	BATERIA		



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Sail Plan



**SAILS INVENTORY**

**MAINSAIL (1)**

Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0,130	0,49	0,85	1,42	1,87	10,57	JJBELTRAN				

**HEADSAILS (2)**

Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
3	0,07	0,46	0,90	1,77	2,65	3,54	7,12	155%	12,66			JJBELTR				
2	0,07	0,36	0,66	1,16	1,74	2,58	7,18	113%	8,82			JJBELTR				Unknow

**SYMMETRIC SPINNAKERS (1)**

Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
ORC	7,72	7,72	7,72	4,46	4,18	28,33	JJBELTRAN				

**ASYMMETRIC SPINNAKERS (0)**

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