

| | | |
|--|----------------------------|---|
| BOAT Name CALABRUIX II Sail Nr ESP-2025 | GPH 816,1 | HULL Length Overall 7,015m Maximum Beam 2,470m Displacement 1.318kg Draft 1,242m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0,418% Fwd Accommodation Yes Hull Construction Solid Carbon Rudder No Crew Arm Extension |
| GENERAL Class SOMO 23 Designer F.ROCA Builder TAYLOR Series 03/1977 Age 03/1982 Age Allowance 0,487% Offset File E252.OFF - 29/08/1995 13:39:00 Measurement by JJBeltran - 11/10/2010 | | IMSL 5,990m VCGD -0,011m Sink 7,58kg/mm RL 4,640m VCGM 0,071m WS 9,85m² LSM0 5,995m Displacement/Length ratio 6,1171 |



World Leader in Rating Technology

2017
ORC International
Certificate

Rating Office
R.F.E.V.
Luis de Salazar,9
28002 Madrid
crucero@rfev.es



| SCORING OPTIONS | COASTAL / LONG DISTANCE | | | WINDWARD / LEEWARD | | |
|------------------|-------------------------|---------------|---------------|--------------------|---------------|---------------|
| | Time On Distance | 791,3 | | | 882,2 | |
| Time On Time | 0,7583 | | | 0,7651 | | |
| Triple Number | Low | Medium | High | Low | Medium | High |
| Time on Distance | 944,5 | 721,7 | 634,6 | 1217,8 | 891,4 | 763,5 |
| Time on Time | 0,7147 | 0,9353 | 1,0636 | 0,5543 | 0,7572 | 0,8841 |

| TIME ALLOWANCES | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
|-----------------|---------------|---------------|---------------|--------------|--------------|--------------|--------------|
| Wind Velocity | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
| Beat VMG | 1426,0 | 1196,6 | 1069,1 | 980,3 | 926,9 | 904,7 | 917,3 |
| 52° | 929,8 | 787,7 | 702,9 | 660,9 | 638,6 | 626,0 | 624,8 |
| 60° | 877,8 | 743,7 | 673,0 | 640,6 | 620,6 | 605,6 | 598,3 |
| 75° | 836,9 | 709,8 | 653,0 | 624,5 | 603,5 | 584,3 | 557,4 |
| 90° | 828,1 | 686,0 | 629,9 | 598,4 | 571,4 | 558,4 | 542,6 |
| 110° | 818,4 | 680,7 | 627,5 | 595,4 | 564,2 | 535,8 | 496,7 |
| 120° | 844,8 | 697,2 | 635,4 | 602,4 | 571,7 | 542,7 | 492,3 |
| 135° | 946,6 | 768,6 | 662,2 | 621,7 | 591,8 | 562,2 | 510,6 |
| 150° | 1086,3 | 864,8 | 728,3 | 652,9 | 618,3 | 590,5 | 537,6 |
| Run VMG | 1254,4 | 994,2 | 838,0 | 724,5 | 658,5 | 623,2 | 569,7 |

Certificate
Number **202501**
ORC Ref **ESP00021001**
Issued On **26/01/2017**
VPP Ver. **2017 1.00**
Valid until **31/12/2017**

Crew Weight
Declared **320kg**
Default* **332kg**
Non Manual Pwr **No**

Special Scoring

| | ToD | ToT |
|--------------|--------------|---------------|
| Double H.GPH | 818,8 | 0,7328 |
| Double H.OSN | 794,6 | 0,7551 |
| Non Spin GPH | 847,5 | 0,7080 |
| Non Spin OSN | 817,5 | 0,7340 |

| Selected Courses | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
|--------------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|
| Windward / Leeward | 1340,2 | 1095,4 | 953,5 | 852,4 | 792,7 | 764,0 | 743,5 |
| Circular Random | 1131,3 | 911,3 | 791,8 | 720,9 | 676,8 | 648,5 | 616,6 |
| Ocean for PCS | 1379,2 | 1065,9 | 887,3 | 776,5 | 703,7 | 653,2 | 584,7 |
| Non Spinnaker | 1184,1 | 949,8 | 821,6 | 745,2 | 697,4 | 666,4 | 630,3 |

Sails Limitations

| Headsails | Spinnakers |
|-----------|------------|
| 5 | 3 |

| Velocity Prediction in Knots for True Wind Speeds | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Wind Velocity | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
| Beat Angles | 43,5° | 42,2° | 43,0° | 42,4° | 41,1° | 41,0° | 42,3° |
| Beat VMG | 2,52 | 3,01 | 3,37 | 3,67 | 3,88 | 3,98 | 3,92 |
| 52° | 3,87 | 4,57 | 5,12 | 5,45 | 5,64 | 5,75 | 5,76 |
| 60° | 4,10 | 4,84 | 5,35 | 5,62 | 5,80 | 5,94 | 6,02 |
| 75° | 4,30 | 5,07 | 5,51 | 5,76 | 5,97 | 6,16 | 6,46 |
| 90° | 4,35 | 5,25 | 5,71 | 6,02 | 6,30 | 6,45 | 6,63 |
| 110° | 4,40 | 5,29 | 5,74 | 6,05 | 6,38 | 6,72 | 7,25 |
| 120° | 4,26 | 5,16 | 5,67 | 5,98 | 6,30 | 6,63 | 7,31 |
| 135° | 3,80 | 4,68 | 5,44 | 5,79 | 6,08 | 6,40 | 7,05 |
| 150° | 3,31 | 4,16 | 4,94 | 5,51 | 5,82 | 6,10 | 6,70 |
| Run VMG | 2,87 | 3,62 | 4,30 | 4,97 | 5,47 | 5,78 | 6,32 |
| Gybe Angles | 149,8° | 155,0° | 155,5° | 172,3° | 179,9° | 180,0° | 180,0° |

Class Division Length
CDL = **5,316**

Storm Sails Areas


| | |
|-------------------|--------------|
| Heavy Weather Jib | 2,532 |
| Storm Jib | 9,379 |
| Storm Triesail | 3,12 |

Owner

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

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

| | | | |
|--------------------------------|----------------------------|-------------------|-----------------|
| RIG | | | |
| Forestay Tension Aft | Spreaders 1 | | |
| 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 | | | |
| P 7,930 | E 2,250 | MDT1 0,080 | MW 0,110 |
| IG 7,470 | J 2,290 | MDL1 0,110 | GO 2,400 |
| ISP 7,520 | SFJ 0,300 | MDT2 0,080 | BD 0,080 |
| BAS 0,940 | SPL 2,365 | MDL2 0,110 | MWT |
| FSP | TPS | TL 0,900 | MCG |



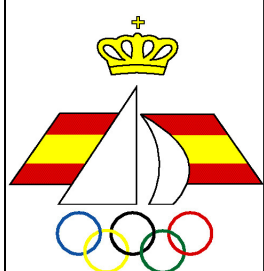
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2017

IMS Measurement Certificate

Certificate

Number **202501**
 ORC Ref **ESP00021001**
 Issued On **26/01/2017**
 VPP Ver. **2017 1.00**
 Valid until **31/12/2017**



| | |
|-----------------------------|--|
| MIZZEN RIG AND SAILS | |
| N/A | |

| | |
|--------------------------|--|
| PROPELLER | |
| Type No Propeller | |

| | |
|-----------------|--|
| COMMENTS | |
| | |

| | |
|-------------------------|--|
| MOVEABLE BALLAST | |
| N/A | |

| | |
|--------------------|--|
| CENTERBOARD | |
| N/A | |

| | | | | | | | | | |
|------------------------------|-------|------|------|------|------|-------|----------|--|--|
| SAILS (Maximum Areas) | | | | | | | | | |
| 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 | | | | |
| | 7,72 | 7,72 | 7,72 | 4,46 | 4,18 | 28,33 | | SL · (SFL + 4·SHW) / 6 | |
| Asymmetric Not Available | | | | | | | | | |

| | | | | | | | | | | | | |
|---|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------------|-----------------|----------------|
| HEADSAILS | | | | | | | | | | | | |
| Area = 0.1125·HLU · (1.445·HLP + 2·HQW + 2·HHW + 1.5·HTW + HUW + 0.5·HHB) | | | | | | | | | | | | |
| HHB | HUW | HTW | HHW | HQW | HLP | HLU | Area | Btn | Fly | Meas.Date | Material | Comment |
| 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 | | | | Unknown | |

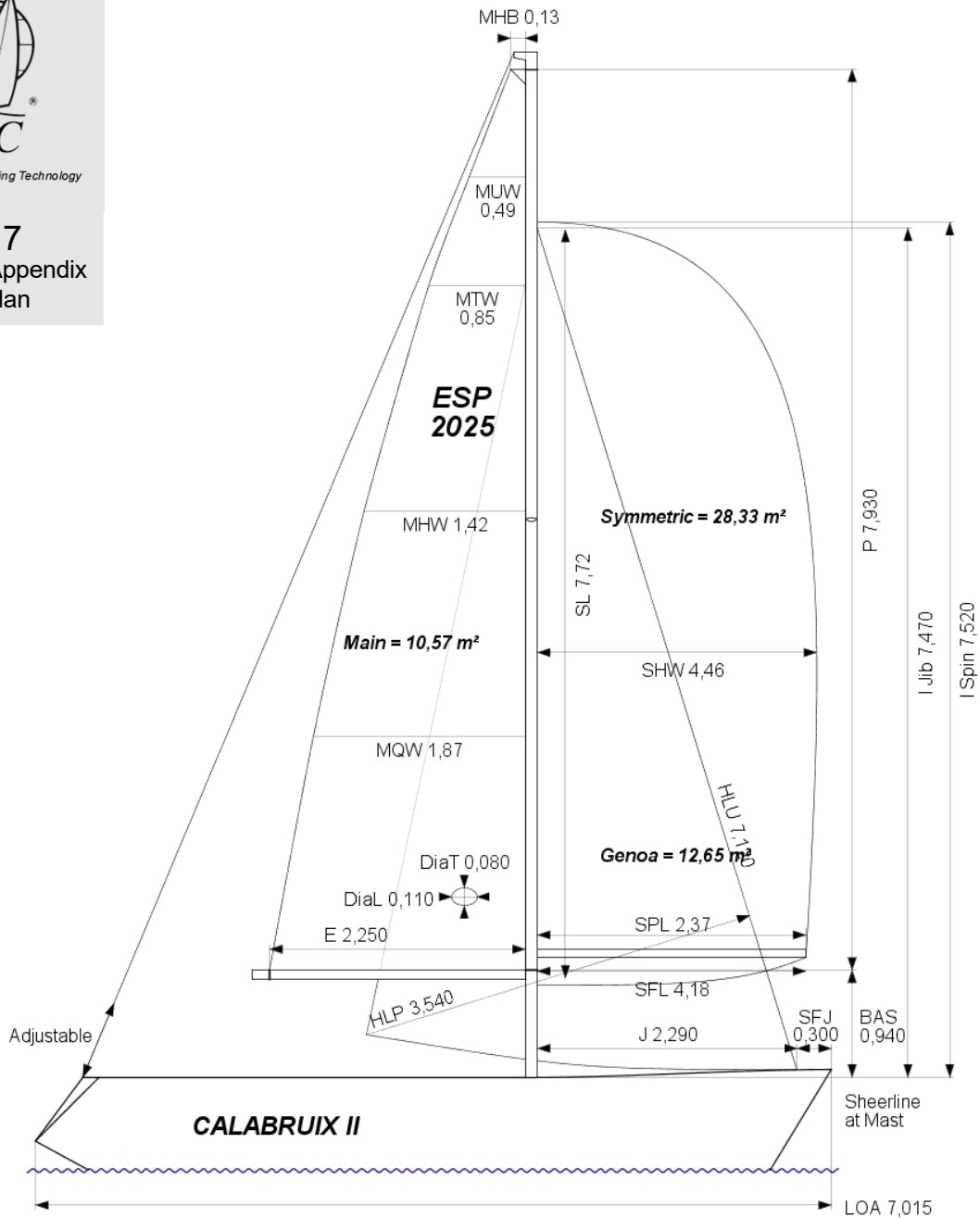
| | | | | |
|------------------------------|-------------|---------------|--------------------|------------------------|
| MEASUREMENT INVENTORY | | | | |
| Measurer JJ BELTRAN | | | | |
| Date 11/10/2010 | | | | |
| Comment | | | | |
| <i>Id</i> | <i>Item</i> | <i>Weight</i> | <i>Distance</i> | <i>VCG Description</i> |
| 0R | Anchor | 14,0 | 5,00 | ANCLA |
| 4 | Chain | 6,0 | 5,00 | CADENA |
| 4 | Tools | 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> | |

| | | | | | | | |
|------------------------------|-------------|-----------------|------------------|------------------------|--------------|------------|---------------------------|
| MEASUREMENT INVENTORY | | | | | | | |
| <i>Id</i> | <i>Item</i> | <i>Tank Use</i> | <i>Tank Type</i> | <i>Capcty</i> | <i>Dist.</i> | <i>VCG</i> | <i>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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2017
Certificate Appendix
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 | | | | |
| | | | | | | | | | | | | | | | | |