

| | | |
|---|----------------------------|--|
| BOAT Name ANDROMEDA Sail Nr GRE-2501 | GPH 672.2 | HULL Length Overall 7.515m Maximum Beam 2.573m Displacement 1,306kg Draft 1.600m IMS Reg. Division Sportboat Dynamic Allowance 0.041% Fwd Accommodation No Hull Construction Cored Carbon Rudder No Crew Arm Extension |
| GENERAL Class PLATU 25 Designer BRUCE FARR Builder BENETEAU Series 01/1995 Age 04/1997 Age Allowance 0.487% Offset File platu25.off - 27/03/2010 19:35:32 Measurement by KALL/TSALTAS - 17/04/1997 | | IMSL 7.061m VCGD 0.093m Sink 7.83kg/mm RL 7.134m VCGM -0.012m WS 10.74m² LSM0 6.777m Displacement/Length ratio 4.1960 |



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| SCORING OPTIONS | | | | | | |
|------------------------|--------------------------------|---------------|---------------|---------------------------|---------------|---------------|
| | COASTAL / LONG DISTANCE | | | WINDWARD / LEEWARD | | |
| Time on Distance | 653.8 | | | 729.8 | | |
| Time on Time | 0.9178 | | | 0.9250 | | |
| Triple Number | Low | Medium | High | Low | Medium | High |
| Time on Distance | 754.4 | 601.3 | 535.4 | 964.3 | 729.4 | 650.9 |
| Time on Time | 0.8948 | 1.1225 | 1.2608 | 0.7000 | 0.9254 | 1.0370 |

| TIME ALLOWANCES | | | | | | | |
|------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
| Beat VMG | 1102.7 | 913.8 | 816.6 | 790.6 | 783.3 | 779.6 | 777.7 |
| 52° | 734.0 | 624.9 | 586.7 | 572.8 | 567.3 | 565.0 | 557.5 |
| 60° | 698.6 | 607.8 | 574.1 | 556.7 | 548.2 | 543.8 | 533.5 |
| 75° | 672.8 | 596.8 | 564.5 | 536.1 | 516.3 | 505.8 | 498.5 |
| 90° | 655.7 | 578.6 | 545.3 | 525.2 | 501.2 | 477.5 | 452.5 |
| 110° | 656.1 | 576.8 | 532.5 | 491.8 | 462.9 | 443.6 | 411.5 |
| 120° | 677.0 | 585.2 | 541.7 | 495.8 | 455.1 | 420.8 | 377.6 |
| 135° | 746.8 | 617.3 | 568.4 | 528.4 | 486.1 | 443.1 | 350.2 |
| 150° | 887.0 | 707.0 | 608.8 | 564.8 | 527.5 | 489.0 | 407.0 |
| Run VMG | 1024.3 | 816.4 | 696.2 | 622.3 | 574.7 | 539.8 | 469.0 |

Certificate

Number **000829**
ORC Ref **GRE01010305**
Issued On **30/07/2018**
VPP Ver. **2018 1.00**
Valid until **28/02/2019**

| Selected Courses | | | | | | | |
|-------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Windward / Leeward | 1063.5 | 865.1 | 756.4 | 706.4 | 679.0 | 659.7 | 623.4 |
| Circular Random | 910.8 | 742.4 | 653.5 | 602.0 | 569.1 | 545.4 | 509.6 |
| Coastal / Long Distance | 1059.6 | 816.0 | 690.6 | 625.6 | 585.0 | 547.8 | 483.6 |
| Non Spinnaker | 979.6 | 790.8 | 690.1 | 631.7 | 595.2 | 570.1 | 534.7 |

Crew Weight

Default **395kg**
Maximum **450kg**
Minimum* **338kg**
**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

| | |
|---------------------------|---------------|
| ToD | ToT |
| Non Spin GPH 711.2 | 0.8436 |
| Non Spin OSN 689.3 | 0.8705 |

| 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 | 41.6° | 40.8° | 37.8° | 36.8° | 36.8° | 36.7° | 37.4° |
| Beat VMG | 3.26 | 3.94 | 4.41 | 4.55 | 4.60 | 4.62 | 4.63 |
| 52° | 4.90 | 5.76 | 6.14 | 6.28 | 6.35 | 6.37 | 6.46 |
| 60° | 5.15 | 5.92 | 6.27 | 6.47 | 6.57 | 6.62 | 6.75 |
| 75° | 5.35 | 6.03 | 6.38 | 6.72 | 6.97 | 7.12 | 7.22 |
| 90° | 5.49 | 6.22 | 6.60 | 6.85 | 7.18 | 7.54 | 7.96 |
| 110° | 5.49 | 6.24 | 6.76 | 7.32 | 7.78 | 8.12 | 8.75 |
| 120° | 5.32 | 6.15 | 6.65 | 7.26 | 7.91 | 8.55 | 9.53 |
| 135° | 4.82 | 5.83 | 6.33 | 6.81 | 7.41 | 8.12 | 10.28 |
| 150° | 4.06 | 5.09 | 5.91 | 6.37 | 6.83 | 7.36 | 8.85 |
| Run VMG | 3.51 | 4.41 | 5.17 | 5.79 | 6.26 | 6.67 | 7.68 |
| Gybe Angles | 145.8° | 149.5° | 155.4° | 173.1° | 180.0° | 180.0° | 180.0° |

Sails Limitations

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

Class Division Length

CDL = **7.098**

Storm Sails Areas


| | |
|---------------------|--------------|
| Heavy Weather Jib | 11.29 |
| Storm Jib (JL=5.94) | 4.18 |
| Storm Trysail | 6.01 |

Owner

| | |
|---|--|
| BOAT | |
| Name ANDROMEDA File GR2501 | Sail Nr GRE-2501 Data in meters/kilograms |

| | | | |
|--|------------------|---|--|
| INCLINING TEST AND FREEBOARDS | | | |
| Inclining Test Current Inclining | | Flotation date 09/09/1998 SG 1.0270 | |
| FFM 0.904 | FF 0.910 | SFFP 0.120 | |
| FAM 0.674 | FA 0.673 | SAFP 7.315 | |
| W1 4.0 | PD1 55.0 | WD 8.220 | |
| W2 8.0 | PD2 111.0 | GSA 28.3 | |
| W3 12.0 | PD3 159.0 | RSA 5674.5 | |
| W4 16.0 | PD4 213.0 | PLM 1660.0 | |
| LCF from stem on CL / on sheer | | 4.237 / 4.399 | |
| Maximum beam station from stem | | 4.670 | |
| RM Measured | | 17.9kg·m | |
| RM Default | | 23.2kg·m | |
| Limit of positive stability / Stab.Index | | 115.4° / 107.6 | |
| Freeboard at mast at 2.620 | | 0.829 | |

| | | | | |
|--------------------------------|----------------------------|-------------------|------------------|--|
| 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 | | | | |
| P 9.410 | E 3.650 | MDT1 0.080 | MW 0.116 | |
| IG 9.105 | J 2.620 | MDL1 0.121 | GO 0.127 | |
| ISP 9.670 | SFJ 0.000 | MDT2 0.049 | BD 0.120 | |
| BAS 1.190 | SPL 3.300 | MDL2 0.070 | MWT 42.00 | |
| FSP 0.000 | TPS 2.620 | TL 2.340 | MCG 3.250 | |




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2018

IMS Measurement Certificate

Certificate

Number **000829**
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VPP Ver. **2018 1.00**
Valid until **28/02/2019**



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

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

| | |
|--|--|
| COMMENTS | |
| ex "BLIND DATE", ex "MAHTOB", ex "COCOBIL" | |

| | |
|------------------------|--|
| MOVABLE BALLAST | |
| N/A | |

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

| | | | | | | | | | |
|------------------------------|------------|------------|------------|------------|------------|-------------|-----------------|---|--|
| SAILS (Maximum Areas) | | | | | | | | | |
| Mainsail | MHB | MUW | MTW | MHW | MQW | Area | Area (r) | Formula | |
| | 0.130 | 0.74 | 1.34 | 2.34 | 3.07 | 20.33 | 20.82 | P/8 · (E + 2·MQW + 2·MHW + 1.5·MTW + MUW + 0.5·MHB) | |
| Symmetric | SLU | SLE | SL | SHW | SFL | | | | |
| | 9.43 | 9.43 | 9.43 | 5.56 | 5.21 | 43.14 | | SL · (SFL + 4·SHW) / 6 | |
| Asymmetric | SLU | SLE | SL | SHW | SFL | | | | |
| | 9.56 | 8.56 | 9.06 | 3.66 | 4.86 | 29.45 | | AS · (SFL + 4·SHW) / 6 | |

| | | | | | | | | | | | | |
|---|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------------|-----------------|----------------|
| 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 | 0.42 | 0.79 | 1.46 | 2.11 | 2.68 | 8.95 | 12.74 | | | 04/05/2018 | Kevlar | |
| 0.06 | 0.42 | 0.80 | 1.43 | 2.06 | 2.62 | 8.72 | 12.18 | | | 04/05/2018 | Pentex | |
| 0.03 | 0.31 | 0.60 | 1.22 | 1.87 | 2.52 | 6.80 | 8.45 | | | 09/05/2018 | Dacron | #3 |

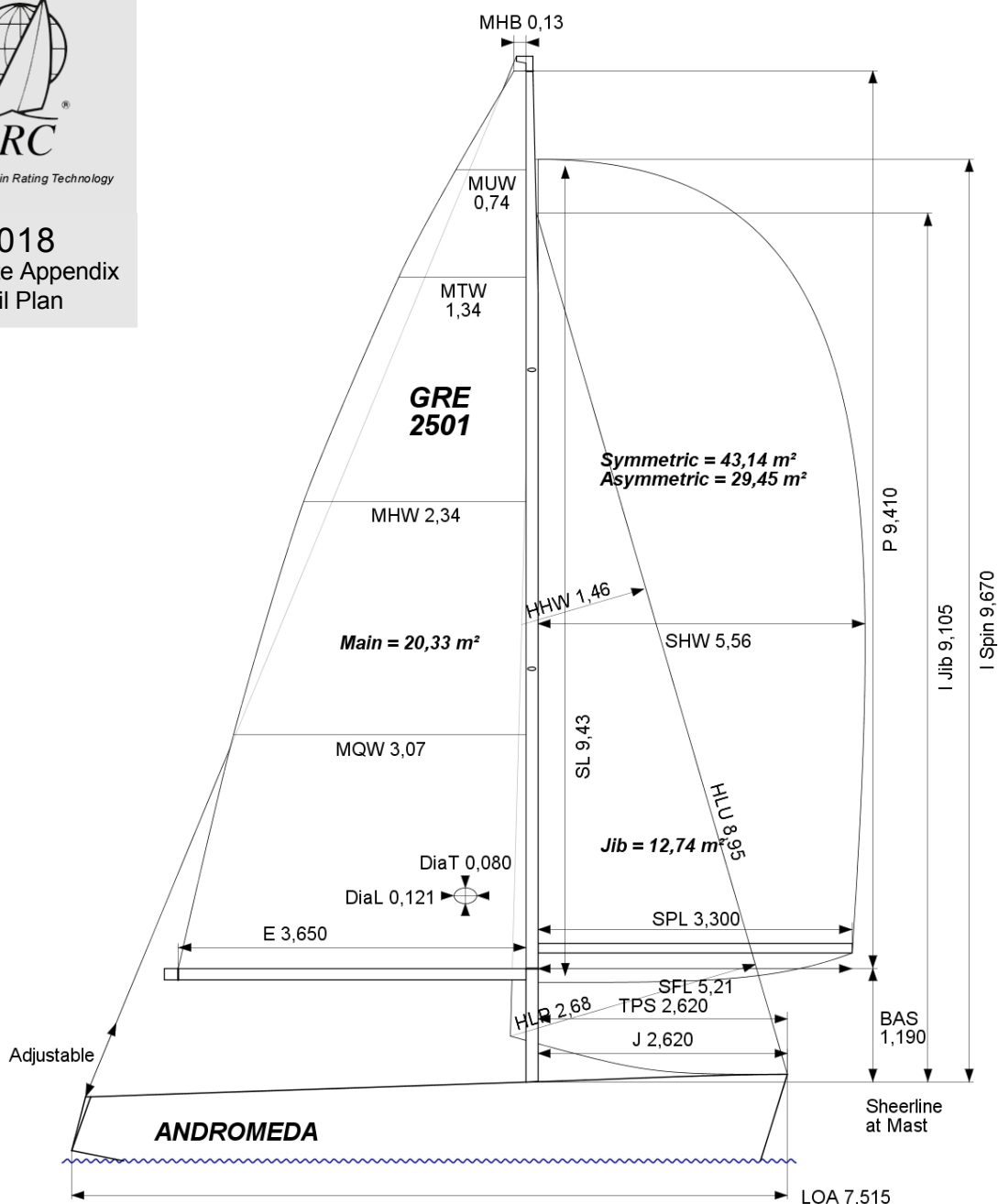
| | | | | |
|---|-------------|---------------------------|-----------------|------------------------|
| MEASUREMENT INVENTORY | | | | |
| Measurer TSALTAS GRE-11 Date 09/09/1998 Comment | | | | |
| Id | Item | Weight | Distance | VCG Description |
| 4 | Anchor | 7.5 | 2.80 | Danforth 6kg + |
| 4 | Tools | 7.0 | 4.30 | |
| Id | Item | Maker | Model | |
| 1 | Engine | Outboard | | |
| Id | Item | Weight Description | | |
| 4 | Deck-Gear | 4.0 | | |

| | | | | | | | | |
|------------------------------|-------------|-----------------|------------------|------------------------|--------------|------------|---------------|--------------------|
| MEASUREMENT INVENTORY | | | | | | | | |
| Id | Item | Tank Use | Tank Type | Capcty | Dist. | VCG | Condtn | Description |
| 1 | Tank Fuel | | PVC | 20.0 | 4.70 | | 0-0 | |
| Id | Item | Weight | Distance | VCG Description | | | | |
| 1 | Battery | 16.0 | 3.30 | 1 x 55Ah | | | | |
| 1 | Misc | 3.0 | 2.20 | Chemical toilet | | | | |



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Certificate Appendix
Sail Plan



SAILS INVENTORY

MAINSAIL (2)

| Id | MHB | MUW | MTW | MHW | MQW | Area | Measurer | Meas.Date | Manufacture | Material | Comment |
|----|-------|------|------|------|------|-------|----------|-----------|-------------|----------|---------|
| 1 | 0.130 | 0.74 | 1.34 | 2.34 | 3.07 | 20.33 | | | | Unknown | |
| 2 | 0.160 | 0.77 | 1.37 | 2.29 | 3.04 | 20.25 | | | | Unknown | |

HEADSAILS (3)

| Id | HHB | HUW | HTW | HHW | HQW | HLP | HLU | Ovrlp | Area | Btn | Fly | Measurer | Meas.Date | Manufacture | Material | Comment |
|----|------|------|------|------|------|------|------|-------|-------|-----|-----|----------|------------|-------------|----------|---------|
| 2 | 0.07 | 0.42 | 0.79 | 1.46 | 2.11 | 2.68 | 8.95 | 102% | 12.74 | | | VOGIATZI | 04/05/2018 | | Kevlar | |
| 3 | 0.06 | 0.42 | 0.80 | 1.43 | 2.06 | 2.62 | 8.72 | 100% | 12.18 | | | VOGIATZI | 04/05/2018 | | Pentex | |
| 4 | 0.03 | 0.31 | 0.60 | 1.22 | 1.87 | 2.52 | 6.80 | 96% | 8.45 | | | VOGIATZI | 09/05/2018 | | Dacron | #3 |

SYMMETRIC SPINNAKERS (1)

| Id | SLU | SLE | SL | SHW | SFL | Area | Measurer | Meas.Date | Manufacture | Material | Comment |
|-----|------|------|------|------|------|-------|----------|-----------|-------------|----------|------------------------|
| ORC | 9.43 | 9.43 | 9.43 | 5.56 | 5.21 | 43.14 | | | | | * Copied from legacy * |

ASYMMETRIC SPINNAKERS (1)

| Id | SLU | SLE | SL | SHW | SFL | Area | Kind | Measurer | Meas.Date | Manufacture | Material | Comment |
|----|------|------|------|------|------|-------|------|-----------|------------|-------------|----------|---------|
| 1 | 9.56 | 8.56 | 9.06 | 3.66 | 4.86 | 29.45 | asym | VOGIATZIS | 04/05/2018 | | Nylon | |