



World Leader in Rating Technology

2010 ORC Club Certificate

Rating Office

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@
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Certificate

Number **10059a**
Issued On **11/03/2010**
ORC Ref **FRA00007559**
VPP Ver. **2010 1.08**
Valid until **28/02/2011**

Crew Weight

Declared **777 kg**
Default* **777 kg**
Non Manual Power **No**

Special Scoring

| | ToD | ToT |
|----------------|--------------|---------------|
| Double Handed | 657.7 | 0.9123 |
| Non Spinnaker | 701.8 | 0.8550 |
| N/S Perf. Line | 23.7 | 0.641 |

Sails Limitations

Genoas **1** Spinnakers **3**
Jibs **0** Dacron Sails

Spinnaker configuration

Symmetric: **Yes** **103.56**
Asymmetric: **Yes** **85.92**
Code Zero: **No**
Spin. Pole: **Yes**

Stability

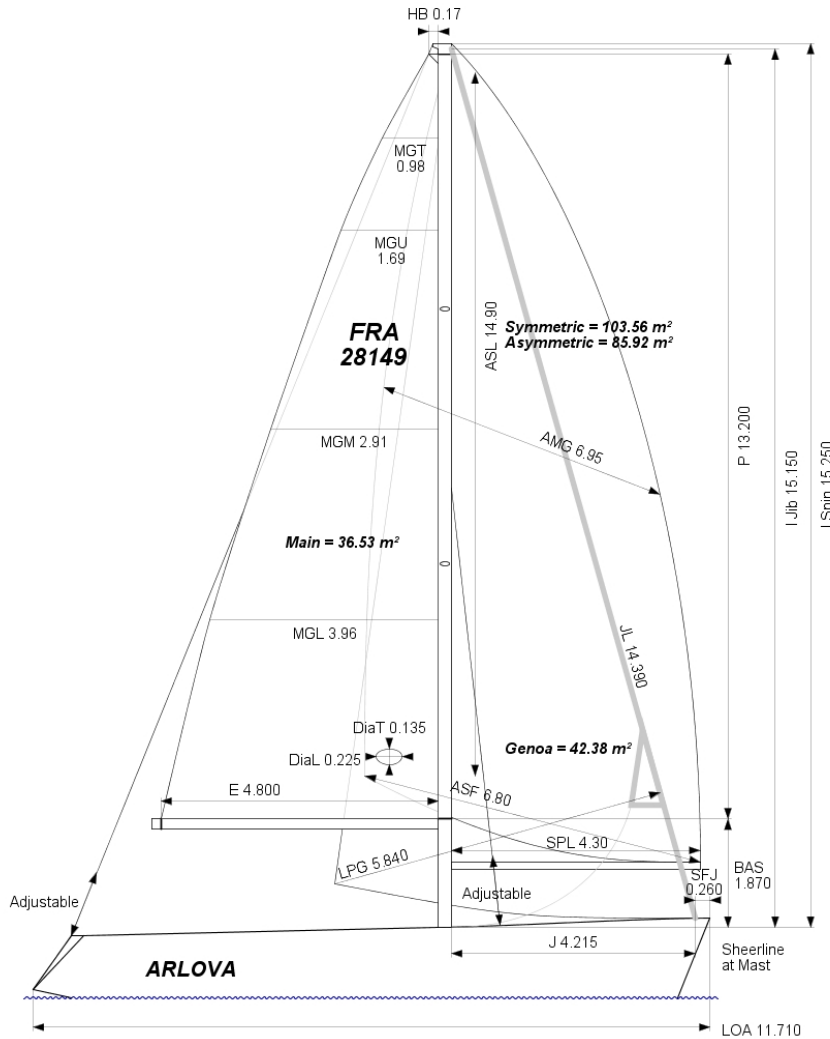
LPS (Estimated): **109.3°**
Stability Index: **112.0**
OSR Category: **2**

Owner

LANCOU Jean Claude
12 Chemin de Meslin,
72600 - MAMERS

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

Signature



| BOAT | GPH | HULL |
|--|--------------|--|
| Name ARLOVA Sail Nr FRA-28149 | 656.7 | Data File F28149.dxt LOA 11.710 m Offset File F183.OFF MB 3.944 m Displacement 7,945 kg Draft 1.992 m |
| CLASS Class SUN ODYSSEY 40 Designer ANDRIEU Daniel Builder JEANNEAU SA Series 01/1998 Age Date 08/2001 Age Allowance 0.780% | | IMS Division Cruiser/Racer Dynamic All. 1.098% Fwd Accom. Yes Construction Solid Fiber Rigging No Aramid Core No Carbon Mast No Carbon Rudder No Anchor Wgt 83.0 Anchor LCG 0.75 |
| COMMENTS From SO_40DK3.dxt | | IMS L 10.682 Wetted Area 32.77 m² VCGM 0.147 |
| PROPELLER Installation Shaft PRD 0.508 Type Folding | | CENTERBOARD N/A |

| SCORING OPTIONS | OFFSHORE COASTAL / LONG DISTANCE | | | INSHORE WINDWARD / LEEWARD | | |
|------------------|-------------------------------------|----------------------|--------------------|-------------------------------|----------------------|--------------------|
| | PLT | PLD | | PLT | PLD | |
| Time On Distance | 656.7 | | | 744.7 | | |
| Time On Time | 0.9136 | | | 0.9064 | | |
| Performance Line | 0.729 | 54.9 | | 0.790 | 185.7 | |
| Triple Number | Low 0.8659 | Medium 1.1744 | High 1.3550 | Low 0.6489 | Medium 0.9267 | High 1.1089 |



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ORC Club Certificate Appendix

| BOAT | |
|--------------------------|----------------------------------|
| Name ARLOVA | Certificate Number 10059a |
| Sail Nr FRA-28149 | Issued On 11/03/2010 |

| TIME ALLOWANCES | | | | | | | |
|------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Wind Velocity | 6 kt | 8 kt | 10 kt | 12 kt | 14 kt | 16 kt | 20 kt |
| Beat VMG | 1241.1 | 992.2 | 855.7 | 779.9 | 741.9 | 718.8 | 696.3 |
| 52° | 781.2 | 629.8 | 557.3 | 520.1 | 497.9 | 487.4 | 476.6 |
| 60° | 715.6 | 583.6 | 529.7 | 497.3 | 476.4 | 465.4 | 455.5 |
| 75° | 662.9 | 543.1 | 492.8 | 465.6 | 455.1 | 443.0 | 427.3 |
| 90° | 614.8 | 522.5 | 480.7 | 454.6 | 435.8 | 426.7 | 415.4 |
| 110° | 637.3 | 534.6 | 489.0 | 460.2 | 437.0 | 417.7 | 391.1 |
| 120° | 680.4 | 554.7 | 501.9 | 469.6 | 445.2 | 424.5 | 388.7 |
| 135° | 785.6 | 618.5 | 536.4 | 493.7 | 465.6 | 443.3 | 406.4 |
| 150° | 940.7 | 728.9 | 605.1 | 536.3 | 496.3 | 468.9 | 428.2 |
| Run VMG | 1086.2 | 841.6 | 698.7 | 608.2 | 550.3 | 510.4 | 459.5 |

| Selected Courses | | | | | | | |
|-------------------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Windward / Leeward | 1182.4 | 930.3 | 788.6 | 704.4 | 654.0 | 621.5 | 584.0 |
| Circular Random | 929.9 | 739.7 | 635.5 | 573.8 | 535.2 | 509.8 | 478.2 |
| Ocean for PCS | 996.2 | 774.5 | 649.4 | 572.3 | 521.8 | 486.6 | 439.3 |
| Non Spinnaker | 1013.2 | 797.6 | 678.0 | 605.9 | 560.4 | 530.2 | 493.2 |

| 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 | 46.2° | 45.2° | 44.4° | 42.3° | 41.0° | 40.1° | 39.6° |
| Beat VMG | 2.90 | 3.63 | 4.21 | 4.62 | 4.85 | 5.01 | 5.17 |
| 52° | 4.61 | 5.72 | 6.46 | 6.92 | 7.23 | 7.39 | 7.55 |
| 60° | 5.03 | 6.17 | 6.80 | 7.24 | 7.56 | 7.73 | 7.90 |
| 75° | 5.43 | 6.63 | 7.31 | 7.73 | 7.91 | 8.13 | 8.43 |
| 90° | 5.86 | 6.89 | 7.49 | 7.92 | 8.26 | 8.44 | 8.67 |
| 110° | 5.65 | 6.73 | 7.36 | 7.82 | 8.24 | 8.62 | 9.20 |
| 120° | 5.29 | 6.49 | 7.17 | 7.67 | 8.09 | 8.48 | 9.26 |
| 135° | 4.58 | 5.82 | 6.71 | 7.29 | 7.73 | 8.12 | 8.86 |
| 150° | 3.83 | 4.94 | 5.95 | 6.71 | 7.25 | 7.68 | 8.41 |
| Run VMG | 3.31 | 4.28 | 5.15 | 5.92 | 6.54 | 7.05 | 7.83 |
| Gybe Angles | 143.1° | 146.5° | 149.8° | 160.0° | 167.6° | 171.0° | 174.1° |