

BOAT
Name ARGONAUTIS II Sail Nr GRE-49201

GPH
710.7

HULL	
Length Overall	9.785 m
Maximum Beam	3.316 m
Displacement	4,595 kg
Draft	1.827 m
IMS Reg. Division	Cruiser/Racer
Dynamic Allowance	0.460%
Fwd Accommodation	Yes
Hull Construction	Solid
Carbon Rudder	No
Crew Arm Extension	
IMS L	8.313
VCGD	-0.103
VCGM	-0.002
Sink	14.73 kg/mm
Wetted Area	20.75 m²



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2013
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GENERAL
Class FIRST 32
Designer JEAN BERRET
Builder BENETEAU
Series 01/1981
Age 01/1981
Age Allowance 0.488%
Offset File H107.BOF - 12/6/2013 18:05:12
Measurement by TSALTAS/THEODOSIS - 24/06/2005

SCORING OPTIONS						
	OFFSHORE			INSHORE		
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	680.4			766.7		
Time On Time	0.8818			0.8804		
Performance Line	PLT	PLD		PLT	PLD	
	0.733	98.0		0.675	147.9	
Triple Number	Low	Medium	High	Low	Medium	High
	0.8163	1.0770	1.2262	0.6289	0.8692	1.0344

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TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1217.8	1012.6	900.1	822.9	783.7	761.2	745.1
52°	790.5	666.7	592.8	558.4	542.5	535.2	528.7
60°	745.1	630.2	569.5	543.1	528.0	519.4	512.2
75°	711.5	602.7	554.3	531.9	515.8	502.1	484.4
90°	721.7	603.8	548.0	523.8	511.8	502.1	476.4
110°	727.4	600.3	546.2	520.0	497.9	476.8	453.8
120°	753.4	620.4	555.0	527.4	506.6	485.4	447.9
135°	844.4	691.0	593.4	548.0	523.7	503.1	462.7
150°	999.8	788.7	667.6	587.0	546.9	523.7	483.8
Run VMG	1154.5	908.3	763.7	662.1	590.7	550.6	507.3

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Selected Courses							
Windward / Leeward	1186.2	960.4	831.9	742.5	687.2	655.9	626.2
Circular Random	989.0	794.7	689.1	626.7	587.8	562.3	530.3
Ocean for PCS	1052.9	829.4	704.1	627.4	577.6	542.9	495.1
Non Spinnaker	1050.2	838.1	721.4	651.5	607.4	578.5	543.4

Crew Weight	
Declared	400 kg
Default*	511 kg
Non Manual Pwr	No

Special Scoring		
	ToD	ToT
D. Hand OSN	682.4	0.8793
Non Spin. OSN	712.0	0.8427
N/S Perf. Line	67.7	0.661

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	44.0°	42.4°	42.7°	42.4°	40.6°	39.6°	39.1°
Beat VMG	2.96	3.56	4.00	4.37	4.59	4.73	4.83
52°	4.55	5.40	6.07	6.45	6.64	6.73	6.81
60°	4.83	5.71	6.32	6.63	6.82	6.93	7.03
75°	5.06	5.97	6.49	6.77	6.98	7.17	7.43
90°	4.99	5.96	6.57	6.87	7.03	7.17	7.56
110°	4.95	6.00	6.59	6.92	7.23	7.55	7.93
120°	4.78	5.80	6.49	6.83	7.11	7.42	8.04
135°	4.26	5.21	6.07	6.57	6.87	7.16	7.78
150°	3.60	4.56	5.39	6.13	6.58	6.87	7.44
Run VMG	3.12	3.96	4.71	5.44	6.09	6.54	7.10
Gybe Angles	146.6°	153.4°	166.2°	170.6°	174.8°	178.6°	179.1°

Sails Limitations		
Genoas	Jibs	Spinnakers
3	2	3
Spinnaker configuration Symmetric		

Storm Sails Areas	
Heavy Weather Jib	20.45
Storm Jib (JL=8.00)	7.58
Storm Trysail	6.57

Owner

BOAT	
Name ARGONAFIS II	Sail Nr GRE-49201
File GR49201.dxt	Data in meters/kilograms

RIG	
Forestay Tension Aft	Spreaders 2
Inner Stay Adjustable	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 10.660	E 3.520 MDT1 0.118 TL 0.000
IG 12.275	J 3.660 MDL1 0.180 MWT
ISP 12.275	SFJ 0.000 MDT2 0.118 MCG
SPS 2.300	SPL 3.640 MDL2 0.180 CPW 1.920
BAS 1.395	TPS 0.000 MW 0.180 BD 0.101
BAL 0.153	FSP 0.000 GO 0.190 BWT

MIZZEN RIG AND SAILS	
N/A	


COMMENTS
ex "RYMI"

INCLINING TEST AND FREEBOARDS			
Inclining Test Current Inclining			
Flotation date 24/06/2005		SG	
FFM 1.099	FF 1.139	SFFP 0.280	
FAM 0.929	FA 0.919	SAFP 8.855	
W1 60.000	PD1 261.0	WD 10.270	
W2 60.000	PD2 261.0	GSA 28.3	
W3 60.000	PD3 261.0	RSA 5944.0	
W4 60.000	PD4 261.0	PLM 2060.0	
LCF from stem on CL / on sheer		5.326 / 5.567	
Maximum beam station from stem		5.910	
RM Measured / Default		84.7 / 79.5	
Limit of positive stability / Stab.Index		118.1° / 118.0	
Freeboard at mast at 3.660		1.059	

PROPELLER			
Installation Shaft	PRD 0.430		
Type Feathering 2 blades	PBW 0.135		
Twin Screw No	PIPA 0.0042		
PSA 26.200	PHL 0.110	ST3 0.101	ESL 0.770
PSD 0.025	ST1 0.020	ST4 0.050	
PHD 0.045	ST2 0.096	ST5 0.145	

MOVEABLE BALLAST	
N/A	


CENTERBOARD	
N/A	



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SAILS (Maximum Areas)									
Mainsail	HB	MGT	MGU	MGM	MGL	Area	Area (r)	Formula	
	0.117	0.73	1.32	2.23	2.92	22.10	22.48	P/8 · (E + 2·MGL + 2·MGM + 1.5·MGU + MGT + 0.5·HB)	
Jib/Genoa	JH	JGT	JGU	JGM	JGL	JL	LPG		
	0.05	0.57	1.12	2.33	3.65	12.11	5.02	29.27	
	0.1125·JL·(1.445·LPG+2·JGL+2·JGM+1.5·JGU+JGT+0.5·JH)								
Symmetric	SL	SMG	SF						
	12.10	6.54	6.35	65.56					
	SL · (SF + 4·SMG) / 6								
Asymmetric Not Available									
Code Zero Not Available									

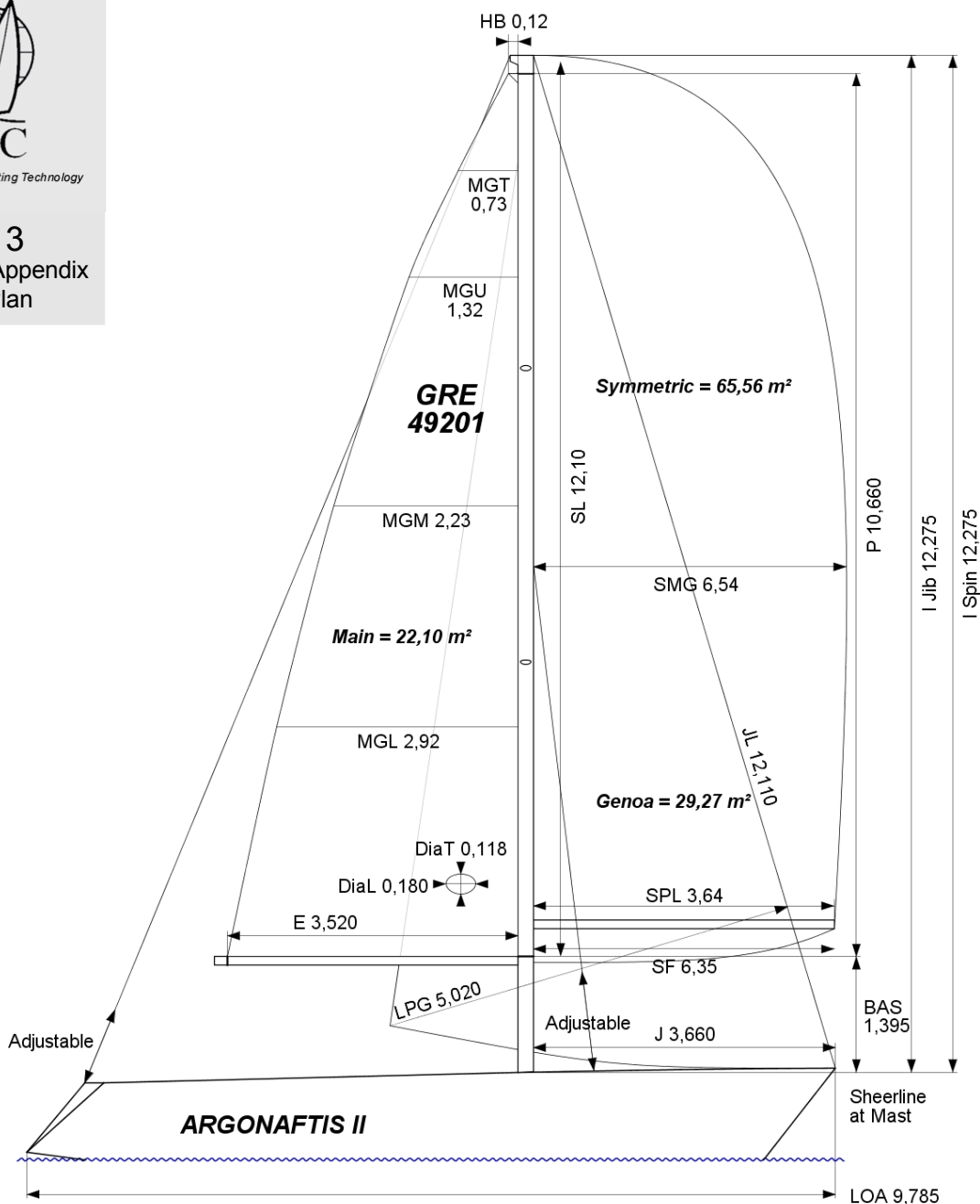
MEASUREMENT INVENTORY				
Measurer THEODOSIS				
Date 24/06/2005				
Comment				
Id	Item	Weight	Distance	VCG Description
1	Anchor	26.0	0.80	Bruce 8kg +
2	Anchor	99.0	3.70	Bruce 7.5kg +
1	Tools	14.0	3.80	Toolcase
Id	Item	Maker	Model	
1	Engine	YANMAR		
Id	Item	Weight	Description	
1	Deck Gear	10.0		

MEASUREMENT INVENTORY									
Id	Item	Tank Use	Tank Type	Capcty	Dist.	VCG	Condtn	Description	
1	Tank	Water	Plastic	100.0	4.40		0.0		
2	Tank	Fuel	Inox	60.0	9.40		10.0		
Id	Item	Weight	Distance	VCG	Description				
1	Battery	16.0	6.30	100Ah					
2	Battery	16.0	4.40	100Ah					
1	Misc	18.0	0.35		Anchor windlass				



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Sail Plan



SAILS INVENTORY

MAINSAIL

Id	HB	MGT	MGU	MGM	MGL	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.117	0.73	1.32	2.23	2.92	22.10	NAKIS	30/03/2008		Dacron	

JIBS / GENOAS

Id	JH	JGT	JGU	JGM	JGL	LPG	JL	Ovrlp	Area	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.05	0.57	1.12	2.33	3.65	5.02	12.11	137%	29.28	THEODO	28/03/2012	KAKITSIS	Pentex	

SYMMETRIC SPINNAKERS

Id	SL	SMG	SF	Area	Measurer	Meas.Date	Manufacture	Material	Comment
S1	12.10	6.54	6.35	65.56	SYRIGOU	14/03/2009		Unknown	
S2	11.94	6.50	6.40	64.48	NAKIS	30/03/2008		Unknown	

ASYMMETRIC SPINNAKERS

Id	SLU	SLE	ASL	AMG	ASF	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment
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