



World Leader in Rating Technology

2017 ORC Club Certificate

Rating Office
Hellenic Sailing Federation
Offshore Committee
Επιτροπή
Ανοικτής Θαλάσσης
Ελληνικής
Ιστιοπλοϊκής Ομοσπονδίας

Certificate
 Number **001195**
 Issued On **17/3/2017**
 ORC Ref **GRE01006858**
 VPP Ver. **2017 1.00**
 Valid until **28/2/2018**

Crew Weight
 Declared **853kg**
 Default* **853kg**
 Non Manual Pwr **No**

Special Scoring

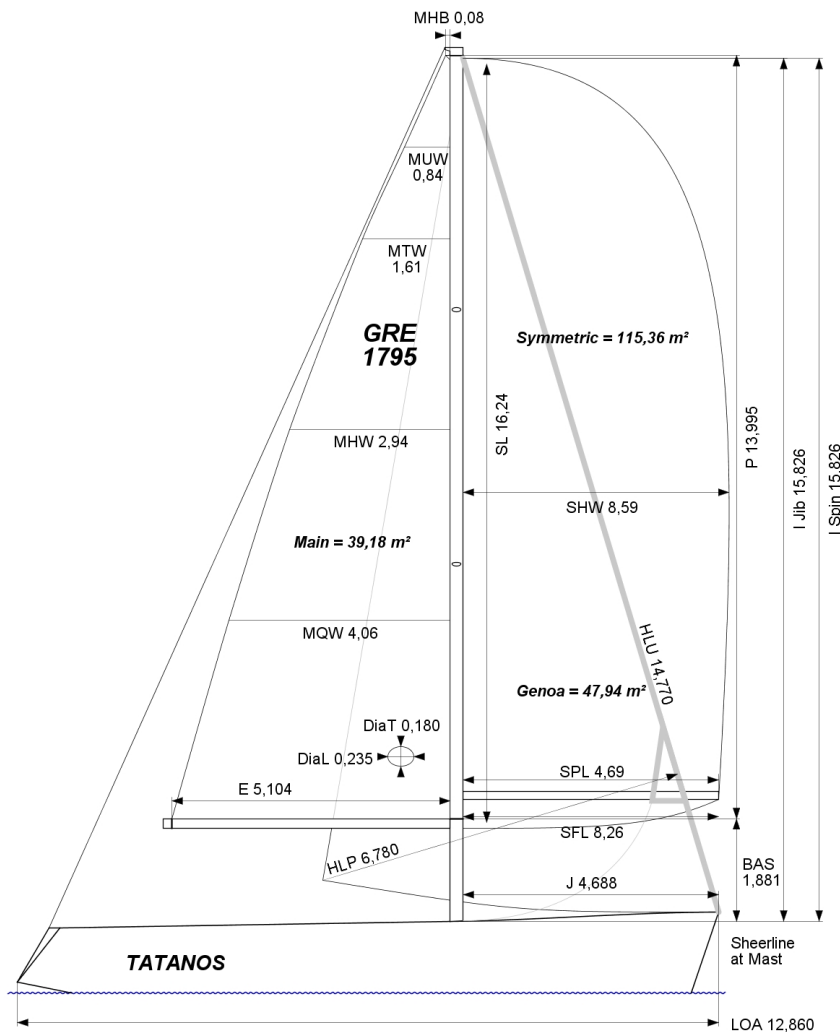
	ToD	ToT
Non Spin GPH	691,4	0,8678
Non Spin OSN	666,6	0,9001

Sails Limitations
 Headsails **1** Spinnakers **3**
Dacron Sails
 Spinnaker configuration
 Symmetric: **Yes** **115,36**
 Asymmetric: **No**
 Flying H/S: **No**
 Spin. Pole: **Yes**

Class Division Length
 CDL = **9,455**

Stability (Estimated)
 Limit Positive Stab.: **114,8°**
 Stability Index: **118,3**

Owner



BOAT		GPH		HULL		
Name	TATANOS		656,4	Data File	GR1795 LOA 12,860m	
Sail Nr	GRE-1795			Offset File	SO43STAN.OFF MB 4,180m	
				Displacement	9.405kg Draft 2,026m	
CLASS				IMS Division	Cruiser/Racer Dynamic All. 0,389%	
Class	SUN ODYSSEY 43			Fwd Accom.	Yes Construction Solid	
Designer	DANIEL ANDRIEU			Fiber Rigging	No Aramid Core No	
Builder	JEANNEAU			Crew Arm Ex	No Carbon Rudder No	
Series	01/2002				Light Stanchions No	
Age Date	01/2002			IMSL	11,670m VCGD 0,263m Sink 27,24kg/mm	
Age Allowance	0,487%			RL	7,240m VCGM 0,102m WS 35,99m²	
COMMENTS				LSM0	11,619m Displacement/Length ratio 5,9959	
Builder's declared displacement.				Water Ballast	0 Trim Tab No	
PROPELLER				CENTERBOARD		
Installation	Shaft exposed	PRD	0,480	N/A		
Type	Solid 3 blades	PIPA	0,0287			
SCORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	633,6			716,5		
Time On Time	0,9470			0,9420		
Triple Number	Low	Medium	High	Low	Medium	High
Time on Distance	797,3	571,4	483,3	1048,5	727,8	590,5
Time on Time	0,8466	1,1813	1,3966	0,6438	0,9275	1,1431

BOAT	
Name TATANOS	Sail Nr GRE-1795
File GR1795	Data in meters/kilograms

INCLINING TEST AND FREEBOARDS			
Inclining Test Club Estimated VCG			
Flotation date		SG	
FFM	FF	1,472	SFFP 0,230
FAM	FA	1,196	SAFP 12,080
LCF from stem on CL / on sheer		6,995 / 7,282	
Maximum beam station from stem		8,349	
RM Measured		248,0kg·m	
RM Default		240,7kg·m	
Limit of positive stability / Stab.Index		114,8° / 118,3	
Freeboard at mast at 4,688		1,315	

RIG			
Forestay Tension	Fixed	Spreaders	2
Inner Stay	None Fitted	Runners	0
Carbon Mast	No	Jumper Struts	None
Taper Hollows	No	Jib Furler	Yes
Fiber Rigging	No	Main Furler	No
Lenticular Rigging	No	Without Backstay	No
Articulated Bowsprit	No		
P	13,995	E	5,104
IG	15,826	J	4,688
ISP	15,826	SFJ	0,000
BAS	1,881	SPL	4,688
FSP	-3,000	TPS	
MDT1	0,180	MW	
MDL1	0,235	GO	
MDT2		BD	
MDL2		MWT	
TL	-3,000	MCG	



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2017 Measurements Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER			
Installation	Shaft exposed	PRD	0,480
Type	Solid 3 blades	PBW	
Twin Screw	No	PIPA	0,0287
PSA	PHL	ST3	ESL
PSD	ST1	ST4	
PHD	ST2	ST5	

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COMMENTS	
Builder's declared displacement.	

MOVEABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
M1	0,080	0,84	1,61	2,94	4,06	39,18	VAFIAS	14/03/2017	ELVSTORM	Dacron						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Fly	Measurer	Meas.Date	Manufacture	Material	Comment
H1	0,13	0,76	1,50	3,12	4,87	6,78	14,77	145%	47,94			VAFIAS	14/03/2017	ELVSTORM	Dacron	
SYMMETRIC SPINNAKERS (1)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
S1	16,24	16,24	16,24	8,59	8,26	115,36	PANDAS	08/09/2012		Polyester	0.75oz					
ASYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				



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ORC Club Certificate Appendix

BOAT	
Name	TATANOS
Sail Nr	GRE-1795
Certificate Number	001195
Issued On	17/3/2017

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1259,3	1006,2	870,5	784,8	723,8	694,9	677,1
52°	796,0	644,7	561,3	507,9	477,8	464,6	457,1
60°	732,2	600,0	523,9	481,4	459,7	448,1	440,2
75°	680,6	562,4	494,8	463,2	445,7	432,6	414,5
90°	680,5	561,9	491,2	454,5	441,7	429,5	403,0
110°	689,9	555,2	480,7	448,0	427,3	408,4	388,4
120°	711,2	570,9	490,4	453,0	431,6	411,4	373,4
135°	791,3	626,3	529,4	473,7	446,4	426,9	387,9
150°	942,4	727,9	603,7	524,6	474,9	448,8	412,5
Run VMG	1088,1	840,5	697,1	604,0	540,7	493,4	440,9

Selected Courses							
Windward / Leeward	1173,7	923,3	783,8	694,4	632,2	594,2	559,0
Circular Random	944,3	745,5	634,6	567,3	524,6	496,4	462,6
Ocean for PCS	1167,4	880,9	716,0	613,3	545,9	499,5	438,0
Non Spinnaker	1006,4	789,8	667,8	592,9	544,9	513,2	476,0

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	46,3°	44,9°	44,1°	44,3°	43,6°	42,6°	41,8°
Beat VMG	2,86	3,58	4,14	4,59	4,97	5,18	5,32
52°	4,52	5,58	6,41	7,09	7,54	7,75	7,88
60°	4,92	6,00	6,87	7,48	7,83	8,03	8,18
75°	5,29	6,40	7,28	7,77	8,08	8,32	8,69
90°	5,29	6,41	7,33	7,92	8,15	8,38	8,93
110°	5,22	6,48	7,49	8,04	8,43	8,82	9,27
120°	5,06	6,31	7,34	7,95	8,34	8,75	9,64
135°	4,55	5,75	6,80	7,60	8,06	8,43	9,28
150°	3,82	4,95	5,96	6,86	7,58	8,02	8,73
Run VMG	3,31	4,28	5,16	5,96	6,66	7,30	8,17
Gybe Angles	145,9°	148,8°	150,1°	152,5°	157,9°	174,6°	180,0°