

Waterski Homologation - prepamam 2024.hom - Waterski Dossier

15-10-2024 - 20:06:41

International Waterski and Wakeboard Federation
2024 Edition Homologation Dossier - Waterski

Competition name: PANAM WARM UP
Competition Code: 4CHI015
Date: 2024-09-27 2024-09-28
Site Name: lago los morros
Site Code: CHI004
Organising Country: CHI - Chile
Type of competition: National
Were cash prizes or merchandise awarded (Yes/No): (No)

Homologator's and Chief Judge recommendation to Waterski Council
(Fill in R-Record, L-Standing List)

Event	Round 1	Round 2	Round 3	Round 4
Slalom	(R)	(R)	()	()
Tricks	(R)	(R)	()	()
Jump	(R)	(R)	()	()

HOMOLOGATOR'S CHECKLIST

If checked and all according to rules put OK.
If checked and any variation to the rules put an X and explain in "Remarks" section.
Not applicable is NA or leave blank for events not sanctioned.

BOAT CHECKLIST

- Boats and equipment (Rule 5) (OK)
- Speed Control (Rule 5) (OK)
Manufacturer: (Zero Off)
Software Version: ()
- JUMP Power Factor Default (Titled Event only): ()

SLALOM CHECKLIST

- Slalom Course Type: (Single anchor buoys)
(single anchor/cross line/four-line floating/centreline frame/other)
- Slalom course Survey attach (8.17, 25.02): Survey date: (2024-09-27)
- Slalom buoy diameter/height checked (8.07, 25.02) (OK)
- All buoys are clearly visible (8.07, 25.02) (OK)
- Boat guides visually checked for straightness (25.02) (OK)
Average Width - Centerline to B1 - B11: (1.134)
Average Width - Centerline to B2 - B12: (1.171)
- Gate Camera position and height (8.13/8.19) (OK)
- Gate Video Camera View and Recording (8.13, 25.06) (OK)
- Position and height of slalom tower (8.06, 8.13) (OK)
- Slalom Shore Official Configuration (8.13):
 - 4 judges- 2 on each side (44 deg.) (8.19) ()
 - 2 judges on one side (gate) + 1 judge on the other side ()
 - 2 judges, 1 on each side with gate video ()
 - 2 central towers with live boat video (OK)
 - 2 central towers without live boat video ()
- Measure/Inspect tourn supplied slalom lines/handles (5.09) (OK)
- Arrangement for checking of skier supplied slalom handles (5.11) (OK)
- Speed control mapped (5.03, 5.04, 5.07) (OK)
- Boat Path Monitoring System Used (25.08): (Sure-Path)
(Sure-Path/SplashEye/other 25.08)
- RTK-GPS Boat Path Measurement Verified w/Self Check: (OK)
Record from BPMS (25.02):

Width - Centerline Axis to G1/G2: (1.266)
 Width - Centerline Axis to G3/G4: (1.260)
 Average Width (S1, S3, S5) to Centerline: (11.50)
 Average Width (S2, S4, S6) to Centerline: (11.49)

- 15. If video base BPMS used, system verified (25.06, 25.08) (OK)
- 16. Boat camera and video recording (Class R) minimum (OK)
 704x480 pixels @ minimum 25fps (PAL) 30fps (NTSC)
- 17. If BPMS not used, EC Video Data forwarded to federation or confederation ()
 Filename (25.02): ()

TRICKS CHECKLIST

- 1. Trick course checked (9.01/9.24) (OK)
- 2. Arrangement for checking rope release (9.13) (OK)
- 3. Additional weight available (9.14) (OK)
- 4. Trick Officials
 - 5 Judges (9.12) ()
 - 3 Judges (9.12) (OK)
- 5. Video Tricks Timing system manufacturer (Boettcher)
 (SplashEye/Video Stop Watch/Loreto/Bottcher/Corson/other)
- 6. Video Trick Timing System verified (25.03) (OK)
- 7. Video Trick initial review speed : (100%)
- 8. Video Trick second review speed : (100%)

JUMP CHECKLIST

- 1. Jump Course Type: (Single anchor buoys)
 (single anchor/cross line/two-line floating/centreline frame/other)
- 2. Jump course Survey attached. (10.16, 25.04): Survey date: (2024-09-27)
- 3. Jump buoy diameter/height per rule (8.07, 25.04) (OK)
- 4. All buoys are clearly visible (8.07, 25.04) (OK)
- 5. Boat guides visually checked for straightness (25.04) (OK)
- 6. Measure/Inspect competition supplied line/handles (5.09) (OK)
- 7. Arrangement for checking skier's supplied line/handles (5.11, 25.04) (OK)
- 8. Manufacturer of Video Jump Measurement System (25.07): (Boettcher)
 (SplashEye/Video Tape Measurement/Loreto/Boettcher/Corson)
- 9. Video Jump Measurement System - verify setup and homologation level (25.04) (OK)
- 10. Speed Control mapped (5.03, 5.04, 5.07) (OK)
- 11. Boat Path Monitoring System Used (25.08): (SplashEye)
 (Sure-Path/SplashEye/other)
- 12. RTK-GPS Boat Path Measurement Verified w/Self Check: (OK)
 Record from BPMS (25.04):
 Width - 15ST to 19ST (4m +/-10cm) (4.03)
 Width - 15MT to 19MT (4m +/-10cm) (3.96)
 Width - 15ET to 19ET (4m +/-10cm) (3.94)
 Width - Ramp Centerline to X Axis (15m+/-15cm) (15.15)
- 13. If Video Base BPMS used, system verified (25.06, 25.08) (OK)
- 14. If BPMS not used, EC Video or BPMS Data forwarded to Confederation ()
 Filename : ()

JUMP SETUP

JUMP RAMP SURFACE MEASUREMENT

- 1. Ramp width at top and botom is between 3.7m and 4.3m: (OK)
 Width (10.02): Top (m): (4.122) Botom(m): (4.122)
- 2. Ramp markings are clearly identified (6.50m & 7.00m) (10.02): (NA)
 Top edge to 6.50m line: Left Side(m) (6.8) Right Side(m) (6.8)
 Top edge to 7.00m line: Left Side(m) (6.90) Right Side(m) (6.90)
- 3. Length underwater (minimum 50cm) (10.02c) (m): (60)
- 4. Ramp surface deviation verified (10.02) (OK)
 Maximum Deviation from plane (10.02f) (cm) (2)

- Maximum Deviation Point from top edge (10.02f) (m): (1.5)
5. Minimum side curtain depth under water with ramp set at 1.80M is 20cm (10.02): ()
6. Apron Angle (Min 28 deg / Max 60 deg): ()
- Measured at Ramp Height(m): ()
- Length of apron edge from top corner to water(m): ()
- Ratio of Length/height (min 0.5, max 0.0883): ()
7. Ramp surface inspected (25.04) ()
8. Ramp secure anchoring (25.04) ()
9. Ramp ratio verified and recorded (10.02) ()

RAMP SETTING

Setting	Right Side			Left Side		
	Height	Length	Ratio	Height	Length	Ratio
1.80	XXX.X	XXX.X	XXX.X	XXX.X	XXX.X	XXX.X
1.65	XXX.X	XXX.X	XXX.X	XXX.X	XXX.X	XXX.X
1.50	XXX.X	XXX.X	XXX.X	XXX.X	XXX.X	XXX.X
1.35	XXX.X	XXX.X	XXX.X	XXX.X	XXX.X	XXX.X

END OF HOMOLOGATION FORM

It is important to leave the above section in the exact format as it will be processed automatically. The following section is where free form comments are added, and attachments are made.

HOMOLOGATOR'S REMARKS - Must provide any variations (examples below):

- Rules:
- Course alterations:
- Malfunction of equipment:
- BPMS:
- Boat/Speed Control:
- Other:

Homologator:

Name:

E-mail:

Chief Judge:

Name:

E-mail:

Scorer:

Name:

E-mail:

This homologation record must be uploaded to IWWF

CHIEF JUDGE and OFFICIALS REPORT

Chief Judge and panel Officials to subscribe:

"I certify compliance with all IWWF and E&A Rules governing the competition.
I am satisfied with the conduct of the event."

Position	Official name	Country	Qual. License/Id	Slalom	Tricks	Jump	Signature
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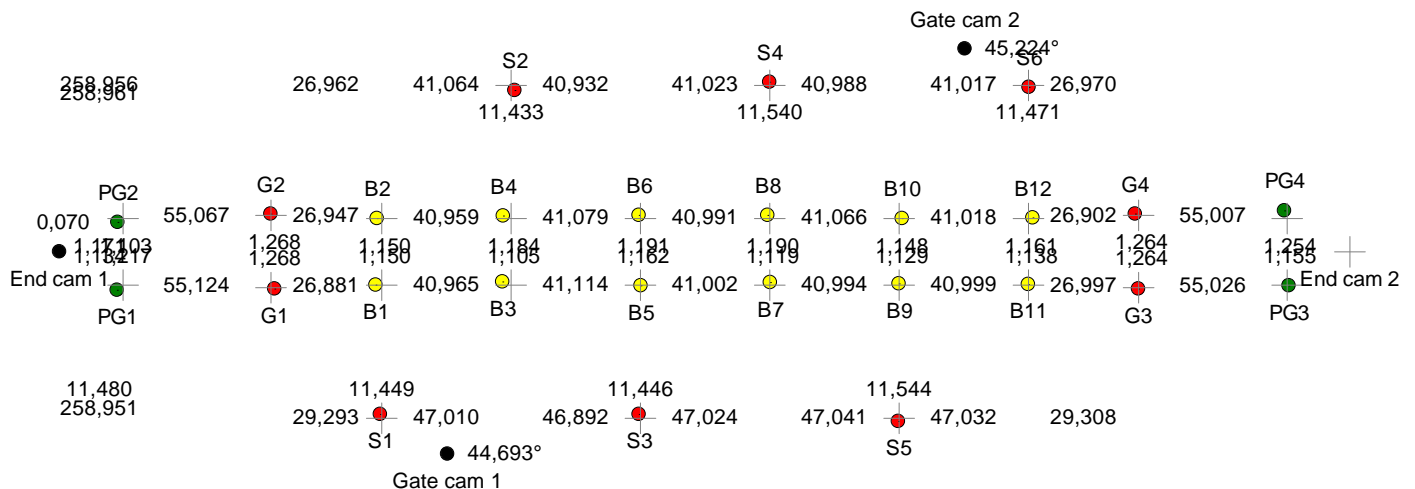
Waterski Homologation - prepamam 2024.hom - Waterski Slalom Course 15-10-2024 - 20:06:42

Survey date & time 27-09-2024 8:27:00
 Homologation level Ranking List & record
 Homologation mode Polar
 Angle unit Min sec degrees
 X-Axis: MG1G2-MG3G4

	Station 1	Distance	Ø Buoy	Sight Hght
Station 1				
Station 2				
Station 3				
G1	15,3243	119,7854	0,2000	0,0500
G2	16,4126	120,5951	0,2000	0,0500
G3	165,0302	148,3272	0,2000	0,0500
G4	164,0607	148,9031	0,2000	0,0500
S1	14,2048	91,0715	0,2000	0,0500
S2	44,1010	66,5628	0,2000	0,0500
S3	75,3036	25,2600	0,2000	0,0500
S4	125,0754	59,2107	0,2000	0,0500
S5	160,4601	80,0331	0,2000	0,0500
S6	156,3243	126,4768	0,2000	0,0500
B1	20,2130	94,4255	0,2000	0,0300
B2	21,3844	95,2860	0,2000	0,0300
B3	35,2523	58,3957	0,2000	0,0300
B4	37,1057	59,7871	0,2000	0,0300
B5	79,1949	35,3389	0,2000	0,0300
B6	79,5213	37,6672	0,2000	0,0300
B7	133,5058	49,6020	0,2000	0,0300
B8	131,5929	51,2302	0,2000	0,0300
B9	153,5908	83,8172	0,2000	0,0300
B10	152,3556	84,8252	0,2000	0,0300
B11	162,0121	122,2778	0,2000	0,0300
B12	161,0016	123,0077	0,2000	0,0300
PG1	10,1520	173,2714	0,2000	0,0300
PG2	11,0018	173,7465	0,2000	0,0300
PG3	168,4101	202,2365	0,2000	0,0300
PG4	168,0036	202,6095	0,2000	0,0300
Gate cam 1	0,1205	80,4447		
Gate cam 2	146,4559	131,1514		
End cam 1	172,1128	322,4110		
End cam 2				

69 / 69	Mesures
Lengthes	
Axe - Axe	258,956
G1 - G3	258,951
G2 - G4	258,961
Lengthes	
Axe - S1	26,962
S1 - S2	41,064
S2 - S3	40,932
S3 - S4	41,023
S4 - S5	40,988
S5 - S6	41,017
S6 - Axe	26,970
Lengthes	
PG1 - G1	55,124
PG2 - G2	55,067
G1 - B1	26,881
G2 - B2	26,947
B1 - B3	40,965
B2 - B4	40,959
B3 - B5	41,114
B4 - B6	41,079
B5 - B7	41,002
B6 - B8	40,991
B7 - B9	40,994
B8 - B10	41,066
B9 - B11	40,999
B10 - B12	41,018
B11 - G3	26,997
B12 - G4	26,902
G3 - PG3	55,026
G4 - PG4	55,007
Diagonals	
G1 - G4	258,924
G2 - G3	259,013
Axe - S1	29,293
S1 - S2	47,010
S2 - S3	46,892
S3 - S4	47,024
S4 - S5	47,041
S5 - S6	47,032

S6 - Axe	29,308
Widths	
Axe - G1	1,268
Axe - G2	1,268
Axe - G3	1,264
Axe - G4	1,264
Axe - S1	11,449
Axe - S2	11,433
Axe - S3	11,446
Axe - S4	11,540
Axe - S5	11,544
Axe - S6	11,471
Average S1 - S6	11,480
Axe - B1	1,150
Axe - B2	1,150
Axe - B3	1,105
Axe - B4	1,184
Axe - B5	1,162
Axe - B6	1,191
Axe - B7	1,119
Axe - B8	1,190
Axe - B9	1,129
Axe - B10	1,148
Axe - B11	1,138
Axe - B12	1,161
Average B1 - B11	1,134
Average B2 - B12	1,171
Axe - PG1	1,217
Axe - PG2	1,103
Axe - PG3	1,155
Axe - PG4	1,254
Gate camera angles	
Axe - Gate cam 1	44,693°
Axe - Gate cam 2	45,224°
Gate cam. positions	Distance
Axe - Gate cam 1	48,251m
Axe - Gate cam 2	46,656m
End course cameras	
Axe - End cam 1	0,070
Axe - End cam 2	



Waterski Homologation - preparam 2024.hom - Waterski Jump Course

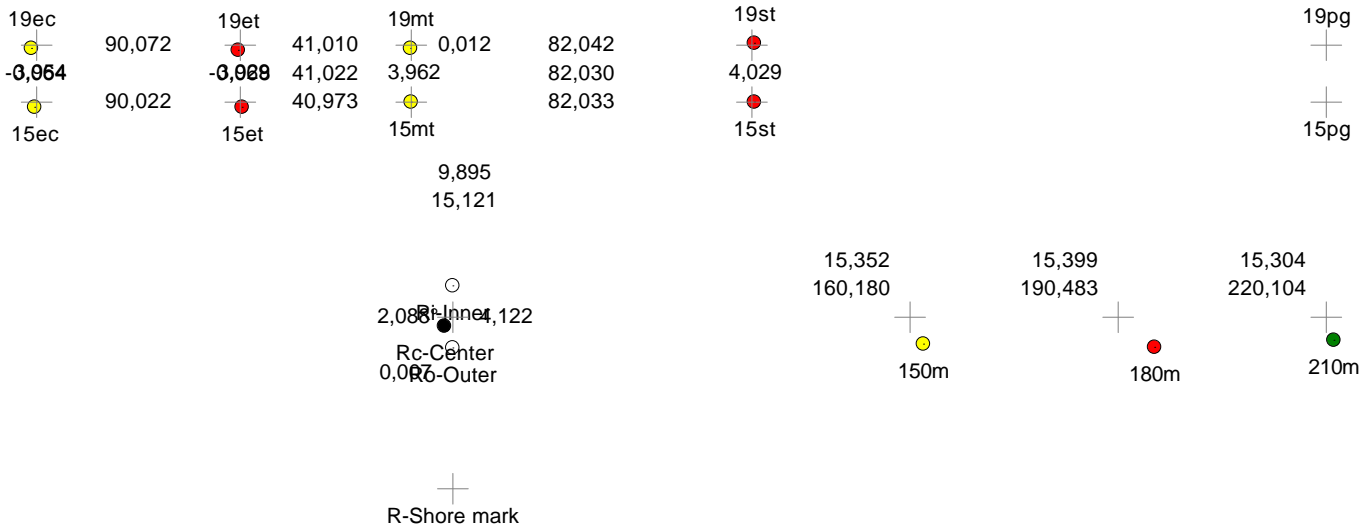
15-10-2024 - 20:06:42

Survey date & time 27-09-2024 16:01:00
 Homologation level Ranking List & record
 Homologation mode Polar
 Angle unit Min sec degrees
 X-Axis: 15st-15mt

	Station 1	Distance	Ø Buoy	Sight Hght
Station 1				
Station 2				
Station 3				
15pg			0,2200	0,0500
19pg			0,2200	0,0500
210m	23,4712	255,2362	0,2200	0,0500
180m	25,2931	226,4935	0,2200	0,0500
150m	27,4229	197,3152	0,2200	0,0500
15st	31,3530	118,3515	0,2200	0,0500
19st	29,4454	116,9797	0,2200	0,0500
15mt	66,2810	50,7965	0,2200	0,0500
19mt	63,4738	47,5709	0,2200	0,0500
15et	117,0313	43,7424	0,2200	0,0500
19et	118,4316	39,9355	0,2200	0,0500
15ec	156,2040	74,2674	0,2200	0,0500
19ec	158,5946	72,1118	0,2200	0,0500
Ro-Outer	67,3909	70,7196		
Ri-Inner	65,5020	67,2226		
Rc-Center	66,4618	68,9563		
R-Shore mark				

27 / 27	Mesures
Lengthes	
210m - Y-Axis	220,104
180m - Y-Axis	190,483
150m - Y-Axis	160,180
15pg - Y-Axis	
19pg - Y-Axis	
15st - Y-Axis	82,033
19st - Y-Axis	82,030
15et - Y-Axis	40,973
19et - Y-Axis	41,022
15ec - Y-Axis	90,022
19ec - Y-Axis	90,072
19st - 19mt	82,042
19mt - 19et	41,010
19mt - Y-Axis	0,012
Ramp - Y-Axis	9,895
Widths	
210m - X-Axis	15,304

180m - X-Axis	15,399
150m - X-Axis	15,352
15pg - X-Axis	
15et - X-Axis	-0,068
15ec - X-Axis	-0,064
19pg - X-Axis	
19st - X-Axis	4,029
19mt - X-Axis	3,962
19et - X-Axis	3,929
19ec - X-Axis	3,954
Average 19st - 19et	3,973
Ramp - X-Axis	15,121
Distances	
Ro-Outer - Ri-Inner	4,122
Ramp - Rc-Center	0,007
Ramp angle	
Ro-Outer - Ri-Inner	2,088°
Ramp - R-Shore mark	



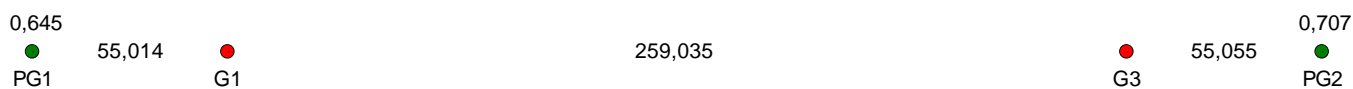
Waterski Homologation - prepamam 2024.hom - Waterski Trick Course

15-10-2024 - 20:06:42

Survey date & time 30-09-2024 20:46:00
 Homologation level Ranking List & record
 Homologation mode Polar
 Angle unit Min sec degrees
 X-Axis: G1 -G3

5 / 5	Mesures	Exact	Tol Min	Tol Max
Lengthes				
G1 - G3	259,035	230,000	180,000	280,000
G1 - PG1	55,014	50,000	40,000	60,000
G3 - PG2	55,055	50,000	40,000	60,000
Widths				
G1 - PG1	0,645	2,000	-4,000	4,000
G3 - PG2	0,707	2,000	-4,000	4,000

	Station 1	Distance	Ø Buoy	Sight Hght
Station 1				
Station 2				
Station 3				
G1	165,0302	148,3272	0,2200	0,0500
G3	16,4126	120,5951	0,2200	0,0500
PG1	168,4101	202,2365	0,2200	0,0500
PG2	11,0018	173,7465	0,2200	0,0500



Waterski Homologation - prepamam 2024.hom - Video Jump Buoys

15-10-2024 - 20:06:43

Survey date & time 27-09-2024 16:15:00

Homologation mode Polar
 Angle unit Min sec degrees
 X-Axis: 15st-15mt

	Station 1	Distance	Ø Buoy	Sight Hght
Station 1				
Station 2				
Station 3				
Vi1	77,0600	71,5264	0,2200	0,0500
Vi2			0,2200	0,0500
Vi3			0,2200	0,0500
Vi4			0,2200	0,0500
Vi5			0,2200	0,0500
Vi6			0,2200	0,0500
Vi7			0,2200	0,0500
Vi8			0,2200	0,0500
Vo1			0,2200	0,0500
Vo2			0,2200	0,0500
Vo3			0,2200	0,0500
Vo4			0,2200	0,0500
Vo5			0,2200	0,0500
Vo6			0,2200	0,0500
Vo7			0,2200	0,0500
Vo8			0,2200	0,0500
Cam1	97,5929	123,1195		
Cam2	111,1224	136,4376		
Cam3				
Ro-Outer	67,3909	70,7196		
Ri-Inner	65,5020	67,2226		
Rc-Center	66,4618	68,9563		
15st	31,3530	118,3515	0,2200	0,0500
15mt	66,2810	50,7965	0,2200	0,0500
15et	117,0313	43,7424	0,2200	0,0500
20m	85,3219	68,8464	0,2200	0,0500
30m	93,5735	66,9985	0,2200	0,0500
40m	102,0735	66,9068	0,2200	0,0500
50m	110,3812	68,7434	0,2200	0,0500
60m	118,1253	71,3262	0,2200	0,0500
70m			0,2200	0,0500
80m			0,2200	0,0500

2 / 2	Dist ramp
Coordinates	
Ramp	0,000
Ramp - Ro-Outer	2,061
Ramp - Ri-Inner	2,061
Ramp - Vi1	12,932
Ramp - Vi2	
Ramp - Vi3	
Ramp - Vi4	
Ramp - Vi5	
Ramp - Vi6	
Ramp - Vi7	
Ramp - Vi8	
Ramp - Vo1	
Ramp - Vo2	
Ramp - Vo3	
Ramp - Vo4	
Ramp - Vo5	

Ramp - Vo6	
Ramp - Vo7	
Ramp - Vo8	
Ramp - 20m	22,488
Ramp - 30m	32,034
Ramp - 40m	41,333
Ramp - 50m	51,475
Ramp - 60m	60,971
Ramp - 70m	
Ramp - 80m	
Ramp - Cam1	73,434
Ramp - Cam2	99,673
Ramp - Cam3	
Distances	
Ramp - Rc-Center	0,007
Ro-Outer - Ri-Inner	4,122
Ramp - 15mt	18,071
Ramp - 15et	53,049

