

Waterski Homologation - JUNE MALIBU MULTI 2024.hom - Waterski Dossier

30/06/2024 - 18:38:41

International Waterski and Wakeboard Federation
2024 Edition Homologation Dossier - Waterski

Competition name: JUJNE MALIBU MULTI
Competition Code: 24GBR011
Date: 2024-06-29 2024-06-30
Site Name: HAZELWOOD SKI WORLD
Site Code: GBRHAZEL
Organising Country: GBR - Great Britain
Type of competition: International
Were cash prizes or merchandise awarded (Yes/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	(L)	(L)	()	()
Tricks	(L)	(L)	()	()
Jump	(L)	(L)	()	()

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): (4.0)

SLALOM CHECKLIST

- Slalom Course Type: (Four lines floating course)
(single anchor/cross line/four-line floating/centreline frame/other)
- Slalom course Survey attach (8.17, 25.02): Survey date: (2024-06-25)
- 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: (1.144)
Average Width - Centerline to B2 - B12: (1.162)
- 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 (OK)
- 2 central towers with live boat video ()
- 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: (1.253)

- Average Width (S1, S3, S5) to Centerline: (11.49)
 Average Width (S2, S4, S6) to Centerline: (11.52)
15. If video base BPMS used, system verified (25.06, 25.08) (NA)
 16. Boat camera and video recording (Class R) minimum ()
 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) (OK)
 - 3 Judges (9.12) ()
5. Video Tricks Timing system manufacturer (SplashEye)
 (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: (Two lines floating course)
 (single anchor/cross line/two-line floating/centreline frame/other)
2. Jump course Survey attached. (10.16, 25.04): Survey date: (2024-06-25)
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): (SplashEye)
 (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): (Video)
 (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) (4.04)
 Width - 15MT to 19MT (4m +/-10cm) (3.99)
 Width - 15ET to 19ET (4m +/-10cm) (4.00)
 Width - Ramp Centerline to X Axis (15m+/-15cm) (15.04)
13. If Video Base BPMS used, system verified (25.06, 25.08) ()
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 bottom is between 3.7m and 4.3m: (OK)
 Width (10.02): Top (m): (4.25) Bottom(m): (4.25)
2. Ramp markings are clearly identified (6.50m & 7.00m) (10.02): (OK)
 Top edge to 6.50m line: Left Side(m) (6.50) Right Side(m) (6.50)
 Top edge to 7.00m line: Left Side(m) (7.0) Right Side(m) (7.0)
3. Length underwater (minimum 50cm) (10.02c) (m): (50.0)
4. Ramp surface deviation verified (10.02) (OK)
 Maximum Deviation from plane (10.02f) (cm) (1.0)
 Maximum Deviation Point from top edge (10.02f) (m): (3.0)
5. Minimum side curtain depth under water with ramp set at 1.80M is 20cm (10.02): (OK)
6. Apron Angle (Min 28 deg / Max 60 deg): (OK)
 Measured at Ramp Height(m): (1.65)

Length of apron edge from top corner to water(m): (2.65)
Ratio of Length/height (min 0.5, max 0.0883): (0.623)
7. Ramp surface inspected (25.04) (OK)
8. Ramp secure anchoring (25.04) (OK)
9. Ramp ratio verified and recorded (10.02) (OK)

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	1.78	6.90	0.2580	1.78	6.9	0.2580
1.50	1.64	6.90	0.2377	1.64	6.90	0.2377
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:

The Wifi went down for approx 11 skiers in jump end course was monitored

Homologator:

Name:ADRIAN ASHER

E-mail:

Chief Judge:

Name:
Benjamin Hazelwood

E-mail:

Scorer:

Name:
Aimi Day/Catherine Wharton

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
Chief Judge	Benjamin HAZELWOOD	GBR	J2	E&A			
Assistant Chief Judge	Val PARKIN	GBR	J2*	E&A			
Homologator	Adrian ASHER	GBR	H2	E&A			
Assistant Homologator	NICK PARKIN	GBR	H4				
Technical Officer	GEORGE HAZELWOOD	GBR					
Calculator	AIMI DAY	GBR					
Assistant Calculator	TEGANBRADY	GBR					
	CORACOSTER	GBR					
	Gill HEATH	GBR	S3	E&A			
Judges	Gillian ASHER	GBR	J2	E&A			
	WILLIAM SHANAHAN	GBR	J3				
	TEGANBRADY	GBR	J3				
	AMBER BUTTERFIELD	GBR	J3				
	CHRIS HERON	GBR	J2*				
	Clair HOILE	GBR	J2	E&A			
	Val PARKIN	GBR	J2*	E&A			
	TOM PARKIN	GBR	J3				
	Rob SPAVIN	GBR	J2*	E&A			
	Catherine WHARTON	GBR	J2	E&A			
	Paul WHARTON	GBR	J2	E&A			
	HARRY YOUNG	GBR	J3*				
	Kevin HEATH	GBR	J2*	E&A			
	Gill HEATH	GBR	J2*	E&A			
	Benjamin HAZELWOOD	GBR	J2	E&A			
Chief Driver	Phil INGLE	GBR	D1	E&A			
Drivers	GREG PERRY	GBR	D3				
	BEN TUDR	GBR	D3				

Waterski Homologation - JUNE MALIBU MULTI 2024.hom - Waterski Slalom Course

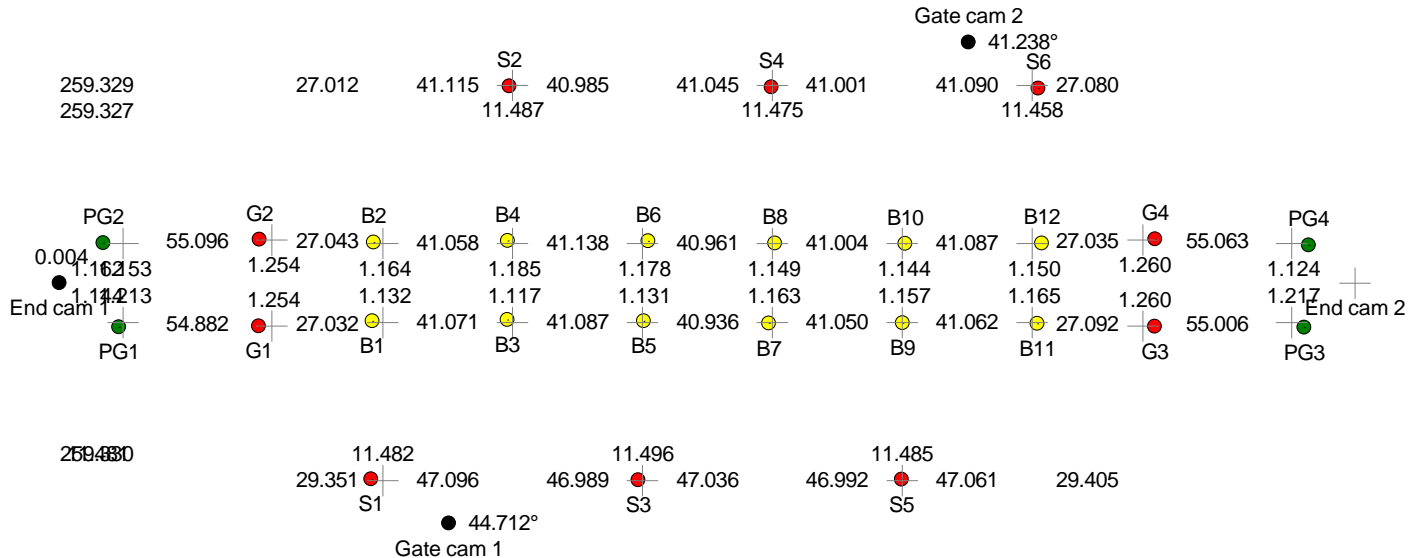
09/06/2024 18:38:41

Survey date & time 25/06/2024 10:16:00
 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	33.1545	77.0295	0.2000	0.0500
G2	34.4810	78.4134	0.2000	0.0500
G3	168.1405	198.9369	0.2000	0.0500
G4	167.3140	199.4870	0.2000	0.0500
S1	40.2110	49.1658	0.2000	0.0500
S2	93.5440	54.6284	0.2000	0.0500
S3	144.5315	54.3919	0.2000	0.0500
S4	147.4710	101.2773	0.2000	0.0500
S5	166.1930	130.2161	0.2000	0.0500
S6	162.1940	176.0756	0.2000	0.0500
B1	48.2625	56.3410	0.2200	
B2	49.5755	58.0574	0.2200	
B3	94.5545	42.0300	0.2200	
B4	94.4200	44.3257	0.2200	
B5	136.5935	61.0255	0.2200	
B6	135.2950	62.6737	0.2200	
B7	154.1205	95.0125	0.2200	
B8	152.5915	96.1272	0.2200	
B9	162.0045	133.0911	0.2200	
B10	161.0500	133.8678	0.2200	
B11	166.1845	172.5449	0.2200	
B12	165.3430	173.1814	0.2200	
PG1	19.4100	126.6597	0.2200	
PG2	20.3915	127.6556	0.2200	
PG3	170.5045	252.9608	0.2200	
PG4	170.1935	253.4195	0.2200	
Gate cam 1	314.3355	14.9120		
Gate cam 2	145.5520	165.8324		
End cam 1	10.1705	250.6724		
End cam 2				

69 / 69	Mesures
Lengthes	
Axe - Axe	259.329
G1 - G3	259.330
G2 - G4	259.327
Lengthes	
Axe - S1	27.012
S1 - S2	41.115
S2 - S3	40.985
S3 - S4	41.045
S4 - S5	41.001
S5 - S6	41.090
S6 - Axe	27.080
Lengthes	
PG1 - G1	54.882
PG2 - G2	55.096
G1 - B1	27.032
G2 - B2	27.043
B1 - B3	41.071
B2 - B4	41.058
B3 - B5	41.087
B4 - B6	41.138
B5 - B7	40.936
B6 - B8	40.961
B7 - B9	41.050
B8 - B10	41.004
B9 - B11	41.062
B10 - B12	41.087
B11 - G3	27.092
B12 - G4	27.035
G3 - PG3	55.006
G4 - PG4	55.063
Diagonals	
G1 - G4	259.347
G2 - G3	259.335
Axe - S1	29.351
S1 - S2	47.096
S2 - S3	46.989
S3 - S4	47.036
S4 - S5	46.992
S5 - S6	47.061

S6 - Axe	29.405
Widths	
Axe - G1	1.254
Axe - G2	1.254
Axe - G3	1.260
Axe - G4	1.260
Axe - S1	11.482
Axe - S2	11.487
Axe - S3	11.496
Axe - S4	11.475
Axe - S5	11.485
Axe - S6	11.458
Average S1 - S6	11.481
Axe - B1	1.132
Axe - B2	1.164
Axe - B3	1.117
Axe - B4	1.185
Axe - B5	1.131
Axe - B6	1.178
Axe - B7	1.163
Axe - B8	1.149
Axe - B9	1.157
Axe - B10	1.144
Axe - B11	1.165
Axe - B12	1.150
Average B1 - B11	1.144
Average B2 - B12	1.162
Axe - PG1	1.213
Axe - PG2	1.153
Axe - PG3	1.217
Axe - PG4	1.124
Gate camera angles	
Axe - Gate cam 1	44.712°
Axe - Gate cam 2	41.238°
Gate cam. positions	Distance
Axe - Gate cam 1	76.495m
Axe - Gate cam 2	76.908m
End course cameras	
Axe - End cam 1	0.004
Axe - End cam 2	



Waterski Homologation - JUNE MALIBU MULTI 2024.hom - Waterski Jump Course

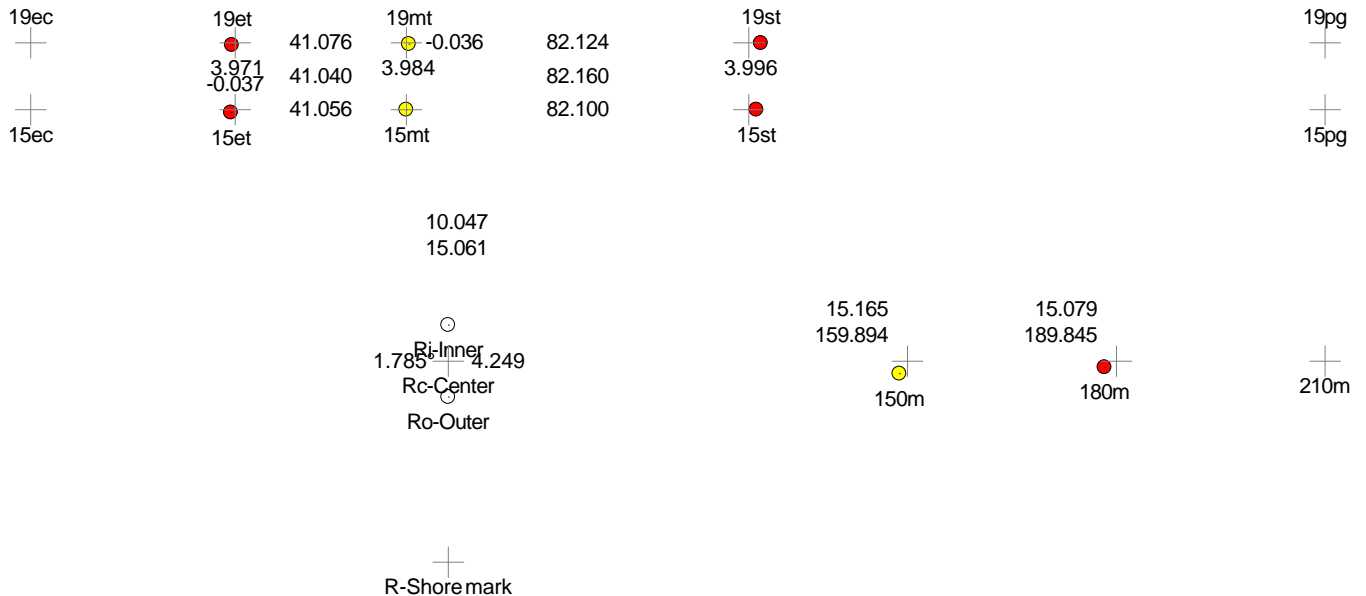
30/06/2024 - 18:38:42

Survey date & time 25/06/2024 18:42:00
 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	
19pg			0.2200	
210m			0.2200	0.0500
180m	171.4750	195.2767	0.2200	0.0500
150m	170.1640	165.7078	0.2200	0.0500
15st	152.5915	96.1272	0.2200	
19st	150.5600	98.0839	0.2200	
15mt	94.4200	44.3245	0.2200	
19mt	94.2320	48.3009	0.2200	
15et	49.5800	58.0556	0.2200	
19et	52.2435	61.1522	0.2200	
15ec			0.2200	
19ec			0.2200	
Ro-Outer	116.4555	30.2740		
Ri-Inner	113.2335	34.0797		
Rc-Center				
R-Shore mark				

20 / 20	Mesures
Lengthes	
210m - Y-Axis	
180m - Y-Axis	189.845
150m - Y-Axis	159.894
15pg - Y-Axis	
19pg - Y-Axis	
15st - Y-Axis	82.100
19st - Y-Axis	82.160
15et - Y-Axis	41.056
19et - Y-Axis	41.040
15ec - Y-Axis	
19ec - Y-Axis	
19st - 19mt	82.124
19mt - 19et	41.076
19mt - Y-Axis	-0.036
Ramp - Y-Axis	10.047
Widths	
210m - X-Axis	

180m - X-Axis	15.079
150m - X-Axis	15.165
15pg - X-Axis	
15et - X-Axis	-0.037
15ec - X-Axis	
19pg - X-Axis	
19st - X-Axis	3.996
19mt - X-Axis	3.984
19et - X-Axis	3.971
19ec - X-Axis	
Average 19st - 19et	3.984
Ramp - X-Axis	15.061
Distances	
Ro-Outer - Ri-Inner	4.249
Ramp - Rc-Center	
Ramp angle	
Ro-Outer - Ri-Inner	1.785°
Ramp - R-Shore mark	



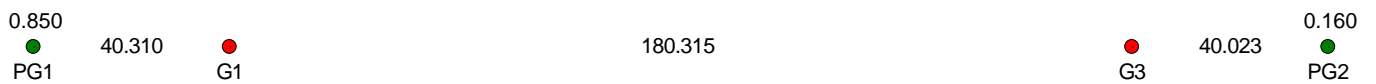
Waterski Homologation - JUNE MALIBU MULTI 2024.hom - Waterski Trick Course

20/06/2024 - 18:38:42

Survey date & time 25/06/2024 16:29:00
 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	180.315	230.000	180.000	280.000
G1 - PG1	40.310	50.000	40.000	60.000
G3 - PG2	40.023	50.000	40.000	60.000
Widths				
G1 - PG1	0.850	2.000	-4.000	4.000
G3 - PG2	0.160	2.000	-4.000	4.000

	Station 1	Distance	Ø Buoy	Sight Hght
Station 1				
Station 2				
Station 3				
G1	64.4915	59.6722	0.2200	0.0500
G3	160.5435	163.8007	0.2200	0.0500
PG1	38.6295	84.5667	0.2200	0.0500
PG2	164.4145	201.9756	0.2200	0.0500



Waterski Homologation - JUNE MALIBU MULTI 2024.hom - Video Jump Buoys

20/06/2024 - 18:38:42

Survey date & time 25/06/2024 19:04:00

Homologation mode Polar
 Angle unit Min sec degrees
 X-Axis: R1-R2

	Station 1	Distance	Ø Buoy	Sight Hght
Station 1				
Station 2				
Station 3				
Vi1	95.1225	38.0622	0.2200	0.0500
Vi2	53.4920	39.2955	0.2200	0.0500
Vi3	33.4250	57.4879	0.2200	0.0500
Vi4	26.2205	72.0444	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	98.3520	20.5047	0.2200	0.0500
Vo2	38.2135	33.4777	0.2200	0.0500
Vo3	24.4110	50.5426	0.2200	0.0500
Vo4	18.5655	65.8482	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				
Cam2				
Cam3				
Ro-Outer	116.4555	30.2803		
Ri-Inner	113.2325	34.0867		
Rc-Center				
15st	152.5915	96.1272	0.2200	
15mt	94.4205	44.3244	0.2200	
15et	49.5800	58.0566	0.2200	
20m	73.4510	21.2615	0.2200	0.0500
30m	52.2545	25.9833	0.2200	0.0500
40m	38.2115	33.4747	0.2200	0.0500
50m	30.1530	41.5550	0.2200	0.0500
60m	24.4105	50.5389	0.2200	0.0500
70m	20.5035	59.8551	0.2200	0.0500
80m	18.5715	65.8446	0.2200	0.0500

1 / 1	Dist ramp	Ramp - Vo6	
Coordinates		Ramp - Vo7	
Ramp	0.000	Ramp - Vo8	
Ramp - Ro-Outer	2.125	Ramp - 20m	21.389
Ramp - Ri-Inner	2.125	Ramp - 30m	30.685
Ramp - Vi1	13.439	Ramp - 40m	40.771
Ramp - Vi2	36.932	Ramp - 50m	50.232
Ramp - Vi3	61.549	Ramp - 60m	60.130
Ramp - Vi4	78.274	Ramp - 70m	70.053
Ramp - Vi5		Ramp - 80m	76.345
Ramp - Vi6		Ramp - Cam1	
Ramp - Vi7		Ramp - Cam2	
Ramp - Vi8		Ramp - Cam3	
Ramp - Vo1	13.699	Distances	
Ramp - Vo2	40.771	Ramp - Rc-Center	
Ramp - Vo3	60.133	Ro-Outer - Ri-Inner	4.251
Ramp - Vo4	76.351	Ramp - 15mt	18.099
Ramp - Vo5		Ramp - 15et	53.266

