

Waterski Homologation - DJMFetzersee19b21Juli2024.hom - Waterski Dossier

21.07.2024-11:37:42

International Waterski and Wakeboard Federation
2024 Edition Homologation Dossier - Waterski

Competition name: German Youth Championships
Competition Code: 24GER015
Date: 2024-07-19 2024-07-21
Site Name: Fetzer See
Site Code: GERFETZ
Organising Country: GER - Germany
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	(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: (E1886402R)
- JUMP Power Factor Default (Titled Event only): ()

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: (2024-07-17)
- 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: (1,155)
Average Width - Centerline to B2 - B12: (1,143)
- 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) (NA)
- 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: (1,241)
 - Width - Centerline Axis to G3/G4: (1,243)
 - Average Width (S1, S3, S5) to Centerline: (11,50)
 - Average Width (S2, S4, S6) to Centerline: (11,51)
- If video base BPMS used, system verified (25.06, 25.08) (OK)
- Boat camera and video recording (Class R) minimum (NA)

704x480 pixels @ minimum 25fps (PAL) 30fps (NTSC)

17. If BPMS not used, EC Video Data forwarded to federation or confederation (NA)
Filename (25.02): ()

TRICKS CHECKLIST

1. Trick course checked (9.01/9.24) (OK)
2. Arrangement for checking rope release (9.13) (NA)
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 () 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: (2024-07-17)
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) (NA)
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): (Other)
(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) (3,950)
Width - 15MT to 19MT (4m +/-10cm) (3,942)
Width - 15ET to 19ET (4m +/-10cm) (4,021)
Width - Ramp Centerline to X Axis (15m+/-15cm) (14,92)
13. If Video Base BPMS used, system verified (25.06, 25.08) (NA)
14. If BPMS not used, EC Video or BPMS Data forwarded to Confederation (NA)
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): (4,22) Bottom(m): (4,23)
2. Ramp markings are clearly identified (6.50m & 7.00m) (10.02): (OK)
Top edge to 6.50m line: Left Side(m) (6,51) Right Side(m) (6,50)
Top edge to 7.00m line: Left Side(m) (7,00) Right Side(m) (6,99)
3. Length underwater (minimum 50cm) (10.02c) (m): (0,7)
4. Ramp surface deviation verified (10.02) (OK)
Maximum Deviation from plane (10.02f) (cm) (0,5)
Maximum Deviation Point from top edge (10.02f) (m): (3,15)
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): (1,55)
Length of apron edge from top corner to water(m): (2,19)
Ratio of Length/height (min 0.5, max 0.0883): (0,708)
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

	Right Side	Left Side
Setting	Height Length Ratio	Height Length Ratio

1.80				XXX.X	XXX.X	XXX.X
1.65	1,68	6,63	0,2534	1,67	6,60	0,2530
1.50	1,56	6,70	0,2328	1,54	6,67	0,2309
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: High water level, backwash, fine weather sunny, Saturday very hot, Sunday agreeable

Homologator:

Name: Günter Kuhnt

E-mail: Kuhnt@ewe.net

Chief Judge:

Name: Angelika Runge

E-mail: angelikarunge@web.de

Scorer:

Name: Ulf Langrock

E-mail: ulf.langrock@gmx.de

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/ld	Slalom	Tricks	Jump	Signature
Chief Judge	Angelika RUNGE	GER	J2	E&A	Yes	Yes	Yes	
Homologator	Guenter KUHNT	GER	H1	E&A	Yes	Yes	Yes	
Assistant Homologator	Joachim STRACK	GER	H1	E&A	Yes	Yes	Yes	
Technical Officer	Andreas NICKE	GER			Yes	Yes	Yes	
Calculator	Ulf LANGROCK	GER	S1	E&A	Yes	Yes	Yes	
Assistant Calculator	Guenter KUHNT	GER			Yes	Yes	Yes	
Judges	Nicole HILLENBRAND	GER	J2		Yes	Yes	Yes	
	Joachim STRACK	GER	J2*	E&A	Yes	Yes	Yes	
	Ulf LANGROCK	GER	J2*	E&A	Yes	Yes	Yes	
	Angelika RUNGE	GER	J2	E&A	Yes	Yes	Yes	
	Chrystelle WILD	GER	J3					
	Laura HILLENBRAND	GER	J3					
Chief Driver	Andreas HILLENBRAND	GER	D2		Yes	Yes	Yes	
Drivers	Anton REITBERGER	GER	D3		Yes	Yes	Yes	

Waterski Homologation - DJMFetzersee19b21Juli2024.hom - Waterski Slalom Course

21.07.2024 11:27:43

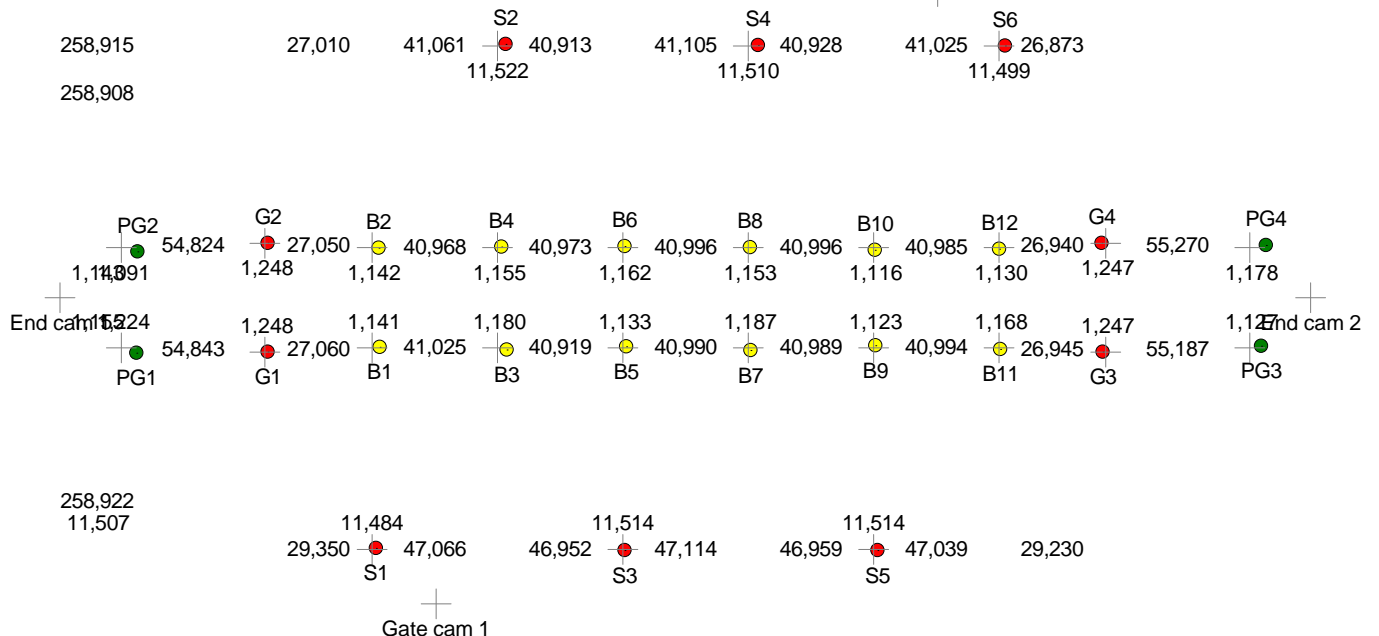
Survey date & time 17.07.2024 12:09:00
 Homologation level Ranking List & record
 Homologation mode Polar
 Angle unit Grades
 X-Axis: MG1G2-MG3G4

	Station 1	Distance	Ø Buoy	Sight Hght
Station 1				
Station 2				
Station 3				
G1	33,4440	231,9810	0,2000	0,0500
G2	34,0910	232,7910	0,2000	0,0500
G3	143,7940	83,4280	0,2000	0,0500
G4	142,9150	85,6330	0,2000	0,0500
S1	33,0940	203,1230	0,2000	0,0500
S2	45,8140	174,7940	0,2000	0,0500
S3	45,9330	127,8430	0,2000	0,0500
S4	69,6030	111,1990	0,2000	0,0500
S5	85,6300	69,7740	0,2000	0,0500
S6	121,6900	87,3500	0,2000	0,0500
B1	36,1280	206,5430	0,2200	0,0500
B2	36,7810	207,3840	0,2200	0,0500
B3	41,6530	168,8530	0,2200	0,0500
B4	42,4280	169,9510	0,2200	0,0500
B5	50,2450	133,2860	0,2200	0,0500
B6	51,1440	134,5860	0,2200	0,0500
B7	64,5590	101,6980	0,2200	0,0500
B8	65,5445	103,4170	0,2200	0,0500
B9	89,0640	79,3590	0,2200	0,0500
B10	89,6990	81,4496	0,2200	0,0500
B11	123,1300	74,8150	0,2200	0,0500
B12	122,8130	77,0820	0,2200	0,0500
PG1	29,5450	284,5190	0,2200	0,0500
PG2	30,0450	285,1140	0,2200	0,0500
PG3	170,4920	119,6910	0,2200	0,0500
PG4	169,5600	121,1780	0,2200	0,0500
Gate cam 1				
Gate cam 2				
End cam 1				
End cam 2				

66 / 66	Mesures
Lengthes	
Axe - Axe	258,915
G1 - G3	258,922
G2 - G4	258,908
Lengthes	
Axe - S1	27,010
S1 - S2	41,061
S2 - S3	40,913
S3 - S4	41,105
S4 - S5	40,928
S5 - S6	41,025
S6 - Axe	26,873
Lengthes	
PG1 - G1	54,843
PG2 - G2	54,824
G1 - B1	27,060
G2 - B2	27,050
B1 - B3	41,025
B2 - B4	40,968
B3 - B5	40,919
B4 - B6	40,973
B5 - B7	40,990
B6 - B8	40,996
B7 - B9	40,989
B8 - B10	40,996
B9 - B11	40,994
B10 - B12	40,985
B11 - G3	26,945
B12 - G4	26,940
G3 - PG3	55,187
G4 - PG4	55,270
Diagonals	
G1 - G4	258,915
G2 - G3	258,939
Axe - S1	29,350
S1 - S2	47,066
S2 - S3	46,952
S3 - S4	47,114
S4 - S5	46,959
S5 - S6	47,039

S6 - Axe	29,230
Widths	
Axe - G1	1,248
Axe - G2	1,248
Axe - G3	1,247
Axe - G4	1,247
Axe - S1	11,484
Axe - S2	11,522
Axe - S3	11,514
Axe - S4	11,510
Axe - S5	11,514
Axe - S6	11,499
Average S1 - S6	11,507
Axe - B1	1,141
Axe - B2	1,142
Axe - B3	1,180
Axe - B4	1,155
Axe - B5	1,133
Axe - B6	1,162
Axe - B7	1,187
Axe - B8	1,153
Axe - B9	1,123
Axe - B10	1,116
Axe - B11	1,168
Axe - B12	1,130
Average B1 - B11	1,155
Average B2 - B12	1,143
Axe - PG1	1,224
Axe - PG2	1,091
Axe - PG3	1,127
Axe - PG4	1,178
Gate camera angles	
Axe - Gate cam 1	°
Axe - Gate cam 2	°
Gate cam. positions	
Axe - Gate cam 1	m
Axe - Gate cam 2	m
End course cameras	
Axe - End cam 1	
Axe - End cam 2	

Gate cam 2



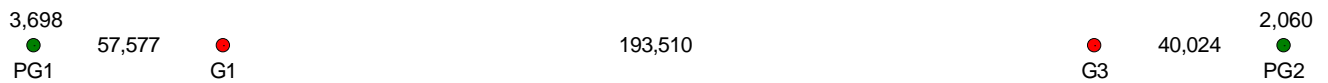
Waterski Homologation - DJMFetzersee19b21Juli2024.hom - Waterski Trick Course

21.07.2024 11:37:44

Survey date & time 17.07.2024 17:49:00
 Homologation level Ranking List & record
 Homologation mode Polar
 Angle unit Grades
 X-Axis: G1 -G3

	Station 1	Distance	Ø Buoy	Sight Hght
Station 1				
Station 2				
Station 3				
G1	45,1810	217,0900	0,2200	0,0500
G3	114,9770	111,5811	0,2200	0,0500
PG1	37,3520	266,6330	0,2200	0,0500
PG2	135,9890	122,8330	0,2200	0,0500

5 / 5	Mesures	Exact	Tol Min	Tol Max
Lengthes				
G1 - G3	193,510	230,000	180,000	280,000
G1 - PG1	57,577	50,000	40,000	60,000
G3 - PG2	40,024	50,000	40,000	60,000
Widths				
G1 - PG1	3,698	2,000	-4,000	4,000
G3 - PG2	2,060	2,000	-4,000	4,000



Waterski Homologation - DJMFetzersee19b21Juli2024.hom - Waterski Jump Course aktuell

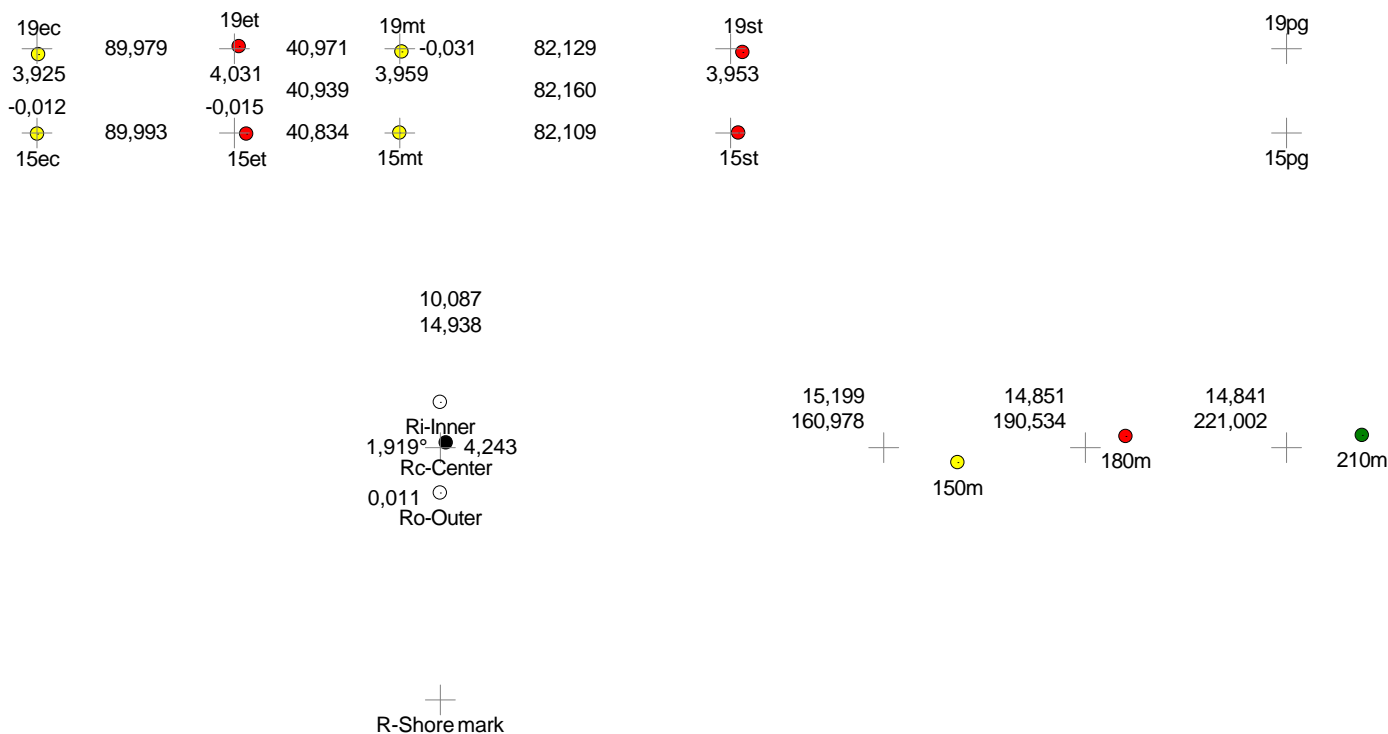
21.07.2024 11:27:41

Survey date & time 17.07.2024 12:00:00
 Homologation level Ranking List & record
 Homologation mode GPS coordinates
 Angle unit Decimal degrees
 X-Axis: 15st-15mt

	Latitude	Longitude	Asignatura (gn)
Station 1			
Station 2			
Station 3			
15pg			
19pg			
210m	48,513169130	10,321957210	443,0000
180m	48,513304350	10,322315850	443,0000
150m	48,513438160	10,322661490	443,0000
15st	48,513669080	10,323691500	443,0000
19st	48,513637930	10,323717290	443,0000
15mt	48,514033250	10,324658210	443,0000
19mt	48,514002140	10,324684270	443,0000
15et	48,514214470	10,325138880	443,0000
19et	48,514183290	10,325167120	443,0000
15ec	48,514432470	10,325717680	443,0000
19ec	48,514401610	10,325743790	443,0000
Ro-Outer	48,514121630	10,324424750	443,0000
Ri-Inner	48,514089090	10,324454730	443,0000
Rc-Center	48,514105380	10,324439880	443,0000
R-Shore mark			

27 / 27	Mesures
Lengthes	
210m - Y-Axis	221,002
180m - Y-Axis	190,534
150m - Y-Axis	160,978
15pg - Y-Axis	
19pg - Y-Axis	
15st - Y-Axis	82,109
19st - Y-Axis	82,160
15et - Y-Axis	40,834
19et - Y-Axis	40,939
15ec - Y-Axis	89,993
19ec - Y-Axis	89,979
19st - 19mt	82,129
19mt - 19et	40,971
19mt - Y-Axis	-0,031
Ramp - Y-Axis	10,087
Widths	
210m - X-Axis	14,841

180m - X-Axis	14,851
150m - X-Axis	15,199
15pg - X-Axis	
15et - X-Axis	-0,015
15ec - X-Axis	-0,012
19pg - X-Axis	
19st - X-Axis	3,953
19mt - X-Axis	3,959
19et - X-Axis	4,031
19ec - X-Axis	3,925
Average 19st - 19et	3,981
Ramp - X-Axis	14,938
Distances	
Ro-Outer - Ri-Inner	4,243
Ramp - Rc-Center	0,011
Ramp angle	
Ro-Outer - Ri-Inner	1,919°
Ramp - R-Shore mark	



Waterski Homologation - DJMFetzersee19b21Juli2024.hom - Video Jump Buoys

21.07.2024-11:37:45

Survey date & time 17.07.2024 17:06:00

Homologation mode GPS coordinates
 Angle unit Decimal degrees
 X-Axis: 15st-15mt

	Latitude	Longitude	Altitude (gh)
Station 1			
Station 2			
Station 3			
Vi1			
Vi2			
Vi3			
Vi4			
Vi5			
Vi6			
Vi7			
Vi8			
Vo1			
Vo2			
Vo3			
Vo4			
Vo5			
Vo6			
Vo7			
Vo8			
Cam1	48,513839290	10,325022940	443,0000
Cam2	48,514042400	10,325635020	443,0000
Cam3			
Ro-Outer	48,514121630	10,324424750	443,0000
Ri-Inner	48,514089090	10,324454730	443,0000
Rc-Center	48,514105380	10,324439880	443,0000
15st	48,513669080	10,323691500	443,0000
15mt	48,514033250	10,324658210	443,0000
15et	48,514214470	10,325138880	443,0000
20m	48,514209790	10,324540680	443,0000
30m	48,514255250	10,324632970	443,0000
40m	48,514305220	10,324734200	443,0000
50m	48,514364280	10,324858860	443,0000
60m	48,514419020	10,324964580	443,0000
70m			
80m			

2 / 2	Dist ramp
Coordinates	
Ramp	0,000
Ramp - Ro-Outer	2,121
Ramp - Ri-Inner	2,121
Ramp - Vi1	
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	13,802
Ramp - 30m	21,947
Ramp - 40m	31,102
Ramp - 50m	42,285
Ramp - 60m	52,158
Ramp - 70m	
Ramp - 80m	
Ramp - Cam1	52,271
Ramp - Cam2	88,592
Ramp - Cam3	
Distances	
Ramp - Rc-Center	0,011
Ro-Outer - Ri-Inner	4,243
Ramp - 15mt	18,024
Ramp - 15et	53,063

