

Race Analysis

Competition	World Championship 2019
Race	100 Back Final

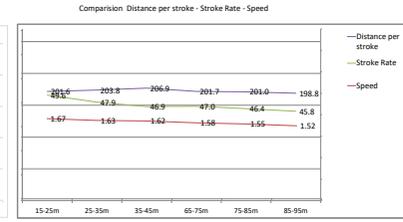


Fina
WORLD
CHAMPIONSHIPS



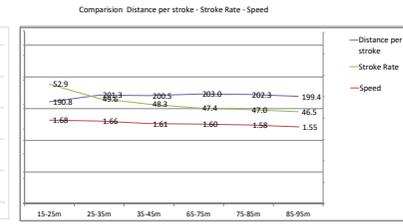
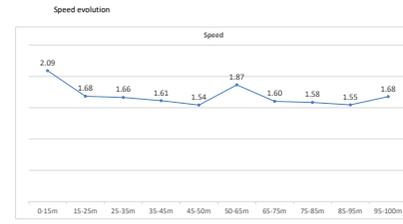
Name	Take off time	Average Speed	Rank
Average of the final	00:05.64	1.69	1
Result	Time	Split	
00:59.16	00:28.66 00:30.50	1:26 2:26 3:26 4:26	
	Time	00:13.03 00:15.63 00:14.36 00:16.14	
	Stroke number *	35.9 39.9	
	Start 15m	15-25m	25-35m
	35-45m	45-50m	50-60m
	60-65m	65-75m	75-85m
	85-95m	95-100m	
Split	Time	00:07.03 00:11.03 00:15.17 00:21.35 00:28.66 00:36.68 00:43.02 00:49.45 00:56.04 00:59.16	
Lap	Time	00:07.03 00:06.00 00:06.14 00:06.18 00:03.31 00:11.33 00:06.34 00:06.43 00:06.59 00:03.12	
Speed	Mean/Sec	2.13 1.67 1.63 1.62 1.62 1.51 1.77 1.58 1.55 1.52 1.60	1.59
Stroke Rate	Count/Sec	49.2 47.9 47.9 45.4 45.4 47.2 46.4 45.8 45.6 47.3	47.3
Stroke tempo	Time	00:01.21 00:01.25 00:01.28 00:01.32 00:01.28 00:01.29 00:01.31 00:01.32	00:01.27
Distance per stroke	Co	201.6 201.8 206.9 201.7 201.0 198.4 202.8	202.8
Stroke index	cm³/Stroke	3.36 3.32 3.35 3.18 3.13 3.02 3.23	3.23

Total underwater parameters	Time	00:11.11 18.60%
Underwater phase measure	Mean	23.61 23.13%
Underwater phase speed	Mean/Sec	2.13
Swimming phase	Mean/Sec	1.50
Underwater - Swimming phases	Time	1:50 2:50
Breakout time	Time	00:06.03 00:05.08
Breakout distance	Mean	13.34 10.26
Average 50m speed	Mean/Sec	1.74 1.64
Average swimming speed	Mean/Sec	1.62 1.56
Underwater phase speed	Mean/Sec	2.21 2.02
Speed difference between underwater and swimming	Mean/Sec	0.59 0.45



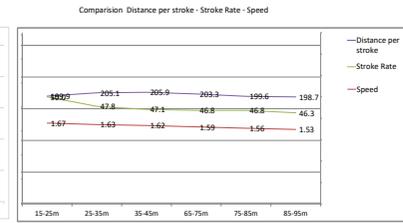
Name	Take off time	Average Speed	Rank
Kylie Masse	00:05.17	1.71	1
Result	Time	Split	
00:58.60	00:28.56 00:30.04	1:26 2:26 3:26 4:26	
	Time	00:13.11 00:15.45 00:14.28 00:15.76	
	Stroke number *	38 42	
	Start 15m	15-25m	25-35m
	35-45m	45-50m	50-60m
	60-65m	65-75m	75-85m
	85-95m	95-100m	
Split	Time	00:07.17 00:11.11 00:15.12 00:21.32 00:28.56 00:36.60 00:42.84 00:49.15 00:55.62 00:58.60	
Lap	Time	00:07.17 00:05.94 00:06.01 00:06.20 00:03.24 00:11.28 00:06.24 00:06.31 00:06.47 00:02.98	
Speed	Mean/Sec	2.09 1.68 1.66 1.61 1.54 1.77 1.60 1.58 1.55 1.68 1.61	1.61
Stroke Rate	Count/Sec	52.9 49.6 49.3 48.3 48.8 47.4 47.0 46.5 45.1 46.6	46.6
Stroke tempo	Time	00:01.13 00:01.21 00:01.24 00:01.23 00:01.27 00:01.28 00:01.29 00:01.31 00:01.33	00:01.24
Distance per stroke	Co	190.8 201.3 203.5 200.8 203.3 199.4 199.6	199.6
Stroke index	cm³/Stroke	3.21 3.35 3.25 3.25 3.21 3.08 3.20	3.20

Total underwater parameters	Time	00:08.98 15.32%
Underwater phase measure	Mean	19.95 19.90%
Underwater phase speed	Mean/Sec	2.23
Swimming phase	Mean/Sec	1.61
Underwater - Swimming phases	Time	1:50 2:50
Breakout time	Time	00:05.47 00:03.51
Breakout distance	Mean	12.00 7.95
Average 50m speed	Mean/Sec	1.75 1.66
Average swimming speed	Mean/Sec	1.65 1.58
Underwater phase speed	Mean/Sec	2.19 2.26
Speed difference between underwater and swimming	Mean/Sec	0.55 0.68



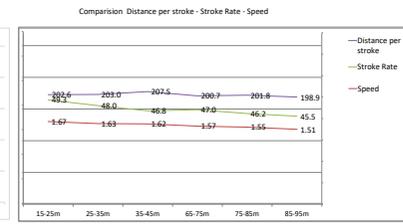
Name	Take off time	Average Speed	Rank
Average of first three	00:05.19	1.70	1
Result	Time	Split	
00:58.79	00:28.58 00:30.21	1:26 2:26 3:26 4:26	
	Time	00:13.09 00:15.59 00:14.20 00:16.00	
	Stroke number *	36.3 39.9	
	Start 15m	15-25m	25-35m
	35-45m	45-50m	50-60m
	60-65m	65-75m	75-85m
	85-95m	95-100m	
Split	Time	00:06.98 00:12.09 00:15.11 00:21.30 00:28.58 00:36.48 00:42.78 00:49.20 00:55.71 00:58.79	
Lap	Time	00:06.98 00:06.00 00:06.12 00:06.19 00:03.28 00:11.18 00:06.30 00:06.42 00:06.53 00:03.06	
Speed	Mean/Sec	2.15 1.67 1.63 1.62 1.52 1.79 1.59 1.56 1.53 1.64 1.60	1.60
Stroke Rate	Count/Sec	50.0 47.8 47.1 45.8 46.8 46.8 46.8 46.3 45.1 47.6	47.6
Stroke tempo	Time	00:01.20 00:01.26 00:01.27 00:01.31 00:01.28 00:01.28 00:01.30 00:01.32 00:01.33	00:01.26
Distance per stroke	Co	199.9 205.1 205.9 203.3 199.6 198.7 202.1	202.1
Stroke index	cm³/Stroke	3.33 3.35 3.33 3.23 3.11 3.04 3.23	3.23

Total underwater parameters	Time	00:11.11 18.80%
Underwater phase measure	Mean	23.15 23.13%
Underwater phase speed	Mean/Sec	2.16
Swimming phase	Mean/Sec	1.61
Underwater - Swimming phases	Time	1:50 2:50
Breakout time	Time	00:05.68 00:05.02
Breakout distance	Mean	12.72 10.43
Average 50m speed	Mean/Sec	1.75 1.66
Average swimming speed	Mean/Sec	1.63 1.57
Underwater phase speed	Mean/Sec	2.24 2.08
Speed difference between underwater and swimming	Mean/Sec	0.61 0.51



Name	Take off time	Average Speed	Rank
Average last 5	00:05.60	1.68	1
Result	Time	Split	
00:59.38	00:28.70 00:30.68	1:26 2:26 3:26 4:26	
	Time	00:13.06 00:15.60 00:14.46 00:16.22	
	Stroke number *	35.6 40.2	
	Start 15m	15-25m	25-35m
	35-45m	45-50m	50-60m
	60-65m	65-75m	75-85m
	85-95m	95-100m	
Split	Time	00:07.06 00:13.06 00:15.21 00:21.39 00:28.70 00:36.81 00:43.16 00:49.60 00:56.23 00:59.38	
Lap	Time	00:07.06 00:06.00 00:06.15 00:06.18 00:03.32 00:11.42 00:06.35 00:06.44 00:06.63 00:03.16	
Speed	Mean/Sec	2.13 1.67 1.63 1.62 1.51 1.75 1.57 1.55 1.51 1.58 1.59	1.59
Stroke Rate	Count/Sec	49.3 48.0 48.0 45.1 45.1 47.2 46.2 45.5 45.7 47.2	47.2
Stroke tempo	Time	00:01.12 00:01.25 00:01.28 00:01.33 00:01.28 00:01.30 00:01.32 00:01.34 00:01.34	00:01.27
Distance per stroke	Co	202.6 201.0 207.5 200.7 201.8 198.9 202.8	202.8
Stroke index	cm³/Stroke	3.38 3.30 3.36 3.16 3.14 3.00 3.22	3.22

Total underwater parameters	Time	00:11.36 19.77%
Underwater phase measure	Mean	23.88 23.88%
Underwater phase speed	Mean/Sec	2.10
Swimming phase	Mean/Sec	1.59
Underwater - Swimming phases	Time	1:50 2:50
Breakout time	Time	00:06.24 00:05.12
Breakout distance	Mean	13.72 10.16
Average 50m speed	Mean/Sec	1.74 1.63
Average swimming speed	Mean/Sec	1.61 1.56
Underwater phase speed	Mean/Sec	2.20 1.98
Speed difference between underwater and swimming	Mean/Sec	0.58 0.42



* - for Freestyle and Backstroke the movement of every single arm

Swimlab by Stefano Nurra

