



**NORGES
SVØMMEFORBUND**



**SVENSK
SIMIDROTT**

COMPETITION ANALYSIS DATA

2024 PARIS OLYMPIC GAMES
27th of July – 9st of August

**Importance of race elements and race parameters
for evaluation of top Olympic swimmers**

Prepared by:

Johan Setterberg, Norges Svømmeforbund, Norway
Johan Wallberg, Svenska Simförbundet, Sweden

Race Analysis Comparison 50m Freestyle Women

Name	Start	No Kicks	Str.Rate	Split	Str.Rate	Split	Str.Rate	Split	Lap	Split	Lap
	0-15		(cycle/min)	0-25m	(cycle/min)	25-35	(cycle/min)	35-45	45-50	25-50	25-50
SJOSTROM	6.04	8	62	10.98	63	16.06	59	21.32	2.39	23.71	12.73
HARRIS	6.26	7	62	11.28	61	16.46	59	21.72	2.25	23.97	12.69
ZHANG	6.16	8	66	11.18	62	16.44	58	21.72	2.48	24.20	13.02
WALSH	5.92	9	55	11.04	52	16.30	50	21.72	2.49	24.21	13.17
WASICK	6.22	6	63	11.18	62	16.40	59	21.78	2.55	24.33	13.15
KLANCAR	6.32	10	58	11.38	55	16.68	53	21.96	2.39	24.35	12.97
WU	6.26	6	60	11.30	58	16.52	55	21.92	2.45	24.37	13.07
JACK	6.18	6	61	11.16	60	16.42	58	21.90	2.49	24.39	13.23
Average	6.17	8	61	11.19	59	16.41	56	21.76	2.44	24.19	13.00
min-max	5.92-6.32	6-10	55-66	10.98-11.38	52-63	16.06-16.68	50-59	21.32-21.96	2.25-2.55	23.71-24.39	12.69-13.23

Race Analysis Comparison 50m Freestyle Men

Name	Start	No Kicks	Str.Rate	Split	Str.Rate	Split	Str.Rate	Split	Lap	Split	Lap
	0-15		(cycle/min)	0-25m	(cycle/min)	25-35	(cycle/min)	35-45	45-50	25-50	25-50
McEVOY	5.20	5	63	9.64	63	14.18	62	19.00	2.25	21.25	11.61
PROUD	5.10	6	63	9.64	62	14.28	61	19.08	2.22	21.30	11.66
MANAUDO	5.14	5	61	9.66	60	14.38	60	19.34	2.22	21.56	11.90
LIENDO	5.28	7	61	9.94	61	14.60	59	19.40	2.18	21.58	11.64
GKOLOMEE	5.38	4	61	9.92	59	14.54	57	19.40	2.19	21.59	11.67
DRESSEL	5.00	7	65	9.54	65	14.40	63	19.32	2.29	21.61	12.07
DEPLANO	5.34	5	70	9.84	66	14.54	63	19.40	2.22	21.62	11.78
CROOKS	5.10	7	65	9.66	61	14.46	58	19.34	2.30	21.64	11.98
Average	5.19	6	64	9.73	62	14.42	60	19.29	2.23	21.52	11.79
min-max	5-5.38	4-7	61-70	9.54-9.94	59-66	14.18-14.6	57-63	19-19.4	2.18-2.3	21.25-21.64	11.61-12.07

Race Analysis Comparison 100m Butterfly Women

Name	Start	# Kicks	Str.Rate	Split	Str.Rate	Split	Lap	Turn	# kicks	Str. Rate	Split	Lap	Str. Rate	Split	Lap
	0-15		(cycle/min)	0-25m	(cycle/min)	25-50	25-50	5+15		(cycle/min)	75m	50-75m	(cycle/min)	100m	75-100m
HUSKE	6,06	9	60	11,64	56	25,61	13,97	11,32	10	58	40,18	14,57	58	55,59	15,41
WALSH	5,88	9	58	11,42	55	25,40	13,98	10,82	11	54	39,76	14,36	52	55,63	15,87
ZHANG	6,04	10	71	11,40	62	25,42	14,02	11,30	9	58	40,12	14,70	57	56,21	16,09
KOEHLER	6,36	9	57	11,98	55	26,35	14,37	11,60	6	58	41,16	14,81	57	56,42	15,26
MAC NEIL	6,10	10	61	11,68	59	25,94	14,26	11,02	11	61	40,08	14,14	59	56,44	16,36
McKEON	6,36	9	56	12,02	52	26,40	14,38	11,54	7	54	41,18	14,78	53	56,93	15,75
HIRAI	6,46	9	59	12,12	58	26,66	14,54	11,36	12	59	41,16	14,50	59	57,19	16,03
HANSSON	6,24	9	57	12,10	55	26,61	14,51	11,24	8	58	41,44	14,83	56	57,34	15,90
Average	6,19	9	60	11,80	57	26,05	14,25	11,28	9	58	40,63	14,59	56	56,47	15,83
min-max	5.88-6.46	9-10	56-71	11.4-12.12	52-62	25.4-26.66	13.97-14.54	10.82-11.6	6-12	54-61	39.76-41.44	14.14-14.83	52-59	55.59-57.34	15.26-16.36

Race Analysis Comparison 100m Backstroke Women

Name	Start	# Kicks	Str.Rate	Split	Str.Rate	Split	Lap	Turn	# kicks	Str. Rate	Split	Lap	Str. Rate	Split	Lap
	0-15		(cycle/min)	0-25m	(cycle/min)	25-50	25-50	5+15		(cycle/min)	75m	50-75m	(cycle/min)	100m	75-100m
McKEOWN	6,72	13	49	12,78	48	28,08	15,30	10,72	11	49	41,90	13,82	47	57,33	15,43
SMITH	6,70	12	53	12,68	52	28,02	15,34	10,76	13	53	41,72	13,70	54	57,66	15,94
BERKOFF	6,80	10	57	12,66	54	28,05	15,39	10,76	11	53	41,66	13,61	51	57,98	16,32
MASSE	6,86	14	56	12,56	52	28,02	15,46	11,06	9	49	41,90	13,88	47	58,29	16,39
ANDERSON	7,24	12	53	13,18	52	28,47	15,29	11,48	12	50	43,04	14,57	49	58,98	15,94
WILM	6,92	12	47	12,92	44	28,69	15,77	11,44	11	45	43,14	14,45	43	59,25	16,11
TEREBO	7,22	10	51	13,20	48	28,79	15,59	11,68	6	48	43,50	14,71	47	59,40	15,90
GASTALDELLO	6,94	12	52	12,90	48	28,80	15,90	11,46	9	48	43,32	14,52	49	59,80	16,48
Average	6,93	12	52	12,86	50	28,37	15,51	11,17	10	49	42,52	14,16	49	58,59	16,06
min-max	6.7-7.24	10-14	47-57	12.56-13.2	44-54	28.02-28.8	15.29-15.9	10.72-11.68	6-13	45-53	41.66-43.5	13.61-14.71	43-54	57.33-59.8	15.43-16.48

Race Analysis Comparison 100m Breaststroke Women

Name	Start	# Kicks	Str.Rate	Split	Str.Rate	Split	Lap	Turn	# kicks	Str. Rate	Split	Lap	Str. Rate	Split	Lap
	0-15		(cycle/min)	0-25m	(cycle/min)	25-50	25-50	5+15		(cycle/min)	75m	50-75m	(cycle/min)	100m	75-100m
SMITH	7,18	*	48	13,82	45	30,62	16,80	13,14	*	47	47,48	16,86	48	01:05,28	17,80
TANG	6,94	*	55	13,50	51	29,94	16,44	12,88	*	52	46,82	16,88	52	01:05,54	18,72
Mc SHARRY	7,46	*	48	14,08	50	30,56	16,48	12,96	*	53	47,42	16,86	52	01:05,59	18,17
PILATO	7,12	*	43	13,76	45	30,62	16,86	12,82	*	47	47,40	16,78	47	01:05,60	18,20
KING	7,16	*	49	13,86	46	31,00	17,14	12,80	*	50	47,70	16,70	52	01:05,60	17,90
EVANS	7,54	*	46	14,16	45	30,61	16,45	13,42	*	44	47,80	17,19	46	01:05,85	18,05
JEFIMOVA	7,40		52	14,10	51	30,69	16,59	13,28	*	54	48,14	17,45	54	01:06,50	18,36
ZMUSHKA	7,34	*	51	14,02	46	31,12	17,10	13,26	*	53	48,00	16,88	53	01:06,54	18,54
Average	7,27	*	49	13,91	47	30,65	16,73	13,07	*	50	47,60	16,95	51	01:05,81	18,22
min-max	6.94-7.54	*	43-55	13.5-14.16	45-51	29.94-31.12	16.44-17.14	12.8-13.42	*	44-54	46.82-48.14	16.7-17.45	46-54	1:05.28-1:06.54	17.8-18.72

Race Analysis Comparison 100m Freestyle Women

Name	Start	# Kicks	Str.Rate	Split	Str.Rate	Split	Lap	Turn	# kicks	Str. Rate	Split	Lap	Str. Rate	Split	Lap
	0-15		(cycle/min)	0-25m	(cycle/min)	25-50	25-50	5+15		(cycle/min)	75m	50-75m	(cycle/min)	100m	75-100m
SJOSTROM	6,26	8	52	11,48	50	25,26	13,78	10,34	5	51	38,36	13,10	53	52,16	13,80
HUSKE	6,04	8	52	11,18	49	25,06	13,88	10,32	7	51	37,86	12,80	50	52,29	14,43
HAUGHEY	6,34	7	58	11,52	55	25,09	13,57	10,42	6	53	38,08	12,99	51	52,33	14,25
O'CALLAGH	6,24	8	54	11,56	47	25,51	13,95	10,18	9	52	38,24	12,73	50	52,34	14,10
JACK	6,38	7	55	11,66	51	25,29	13,63	10,52	3	50	38,64	13,35	51	52,72	14,08
YANG	6,44	9	57	11,78	53	25,51	13,73	10,74	7	53	38,84	13,33	52	52,82	13,98
STEENBERG	6,28	10	52	11,48	52	25,38	13,90	10,40	8	51	38,28	12,90	51	52,83	14,55
WALSH	6,00	9	51	11,28	47	25,22	13,94	10,34	11	44	38,44	13,22	44	53,04	14,60
Average	6,25	8	54	11,49	50	25,29	13,80	10,41	7	51	38,34	13,05	50	52,57	14,22
min-max	6-6.44	7-10	51-58	11.18-11.78	47-55	25.06-25.51	13.57-13.95	10.18-10.74	3-11	44-53	37.86-38.84	12.73-13.35	44-53	52.16-53.04	13.8-14.6

Race Analysis Comparison 100m Butterfly Men

Name	Start	# Kicks	Str.Rate	Split	Str.Rate	Split	Lap	Turn	# kicks	Str. Rate	Split	Lap	Str. Rate	Split	Lap
	0-15		(cycle/min)	0-25m	(cycle/min)	25-50	25-50	5+15		(cycle/min)	75m	50-75m	(cycle/min)	100m	75-100m
MILAK	5,32	7	55	10,34	51	23,40	13,06	10,08	8	53	36,26	12,86	50	49,90	13,64
LIENDO	5,32	6	58	10,36	57	23,24	12,88	9,96	8	57	35,92	12,68	56	49,99	14,07
KHARUN	5,62	7	61	10,70	58	23,73	13,03	10,10	9	57	36,62	12,89	57	50,45	13,83
PONTI	5,48	8	57	10,56	55	23,70	13,14	9,64	10	58	36,30	12,60	57	50,55	14,25
GROUSSET	5,52	6	56	10,46	54	23,26	12,80	10,28	7	54	36,72	13,46	54	50,75	14,03
KORSTANJE	5,42	9	61	10,44	59	23,23	12,79	10,10	10	57	36,36	13,13	58	50,83	14,47
TEMPLE	5,30	8	54	10,48	54	23,59	13,11	9,74	9	54	36,46	12,87	53	51,10	14,64
MIZUNUMA	5,78	9	61	11,02	57	24,03	13,01	10,18	10	58	37,30	13,27	57	51,11	13,81
Average	5,47	8	58	10,55	56	23,52	12,98	10,01	9	56	36,49	12,97	55	50,59	14,09
min-max	5.3-5.78	6-9	46-55	10.34-11.02	44-52	23.23-24.03	12.79-13.14	9.64-10.28	7-10	44-51	35.92-37.3	12.6-13.46	45-50	49.9-51.11	13.64-14.64

Race Analysis Comparison 100m Backstroke Men

Name	Start	# Kicks	Str.Rate	Split	Str.Rate	Split	Lap	Turn	# kicks	Str. Rate	Split	Lap	Str. Rate	Split	Lap
	0-15		(cycle/min)	0-25m	(cycle/min)	25-50	25-50	5+15		(cycle/min)	75m	50-75m	(cycle/min)	100m	75-100m
CECCON	6,12	10	46	11,38	44	25,10	13,72	9,80	7	44	37,74	12,64	46	52,00	14,26
XU	5,82	9	50	11,02	48	24,88	13,86	9,88	9	46	37,66	12,78	45	52,32	14,66
MURPHY	5,76	9	50	11,00	48	25,04	14,04	9,54	9	48	37,32	12,28	47	52,39	15,07
CHRISTOU	6,14	9	48	11,52	46	25,21	13,69	9,92	9	46	37,96	12,75	46	52,41	14,45
COETZE	6,16	10	55	11,38	49	25,37	13,99	10,24	8	49	38,30	12,93	49	52,58	14,28
GONZALEZ	6,30	10	51	11,68	49	25,52	13,84	10,24	8	48	38,62	13,10	49	52,73	14,11
NDOYE-BR	6,04	10	52	11,38	52	25,37	13,99	9,88	10	51	37,92	12,55	50	52,77	14,85
MORGAN	6,22	9	52	11,48	50	25,50	14,02	10,18	10	50	38,34	12,84	49	52,84	14,50
Average	6,07	10	50	11,36	48	25,25	13,89	9,96	9	48	37,98	12,73	48	52,51	14,52
min-max	5.76-6.3	9-10	46-55	11-11.68	44-52	24.88-25.52	13.69-14.04	9.54-10.24	7-10	44-51	37.32-38.62	12.28-13.1	45-50	52-52.84	14.11-15.07

Race Analysis Comparison 100m Breaststroke Men

Name	Start	# Kicks	Str.Rate	Split	Str.Rate	Split	Lap	Turn	# kicks	Str. Rate	Split	Lap	Str. Rate	Split	Lap
	0-15		(cycle/min)	0-25m	(cycle/min)	25-50	25-50	5+15		(cycle/min)	75m	50-75m	(cycle/min)	100m	75-100m
MARTINENC	6,28	*	54	12,28	51	27,34	15,06	11,60	*	58	42,42	15,08	57	59,03	16,61
PEATY	6,40	*	58	12,36	54	27,08	14,72	11,58	*	55	42,46	15,38	56	59,05	16,59
FINK	6,02	*	47	12,18	45	27,45	15,27	11,46	*	50	42,68	15,23	55	59,05	16,37
IMOUDU	6,40	*	47	12,52	49	27,37	14,85	12,16	*	50	43,18	15,81	51	59,11	15,93
MATZERATH	6,38	*	57	12,38	54	27,56	15,18	11,48	*	55	42,88	15,32	56	59,30	16,42
KAMMINGA	6,50	*	48	12,58	42	27,94	15,36	11,64	*	46	43,08	15,14	49	59,32	16,24
QIN	6,14	*	54	12,16	52	27,03	14,87	11,86	*	52	42,54	15,51	53	59,50	16,96
CORBEAU	6,22	*	47	12,32	43	27,91	15,59	11,72	*	44	43,30	15,39	46	59,98	16,68
Average	6,29	*	51	12,35	49	27,46	15,11	11,69	*	51	42,82	15,36	53	59,29	16,48
min-max	6.02-6.5	*	47-58	12.16-12.58	42-54	27.03-27.94	14.72-15.59	11.46-12.16	*	44-58	42.42-43.3	15.08-15.81	46-57	59.03-59.98	15.93-16.96

Race Analysis Comparison 100m Freestyle Men

Name	Start	No Kicks	Str.Rate	Split	Str.Rate	Split	Lap	Turn	No kicks	Str. Rate	Split	Lap	Str. Rate	Split	Lap
	0-15		(cycle/min)	0-25m	(cycle/min)	25-50	25-50			(cycle/min)	75m	50-75m	(cycle/min)	100m	75-100m
PAN	5,52	6	54	10,12	51	22,28	12,16	9,28	3	48	33,82	11,54	47	46,40	12,58
CHALMERS	5,66	6	52	10,46	51	23,03	12,57	9,08	5	53	34,64	11,61	52	47,48	12,84
POPOVICI	5,72	5	57	10,38	51	22,94	12,56	9,21	3	50	34,62	11,68	50	47,49	12,87
NEMETH	5,62	6	57	10,30	53	22,90	12,60	9,42	3	56	34,61	11,71	53	47,50	12,89
GROUSSET	5,40	6	54	10,18	52	22,61	12,43	9,24	6	51	34,40	11,79	52	47,71	13,31
SALCHOW	5,68	6	52	10,46	49	22,93	12,47	9,54	3	50	34,90	11,97	48	47,80	12,90
ALEXY	5,54	5	52	10,38	49	22,63	12,25	9,40	3	48	34,56	11,93	48	47,96	13,40
GUILIANO	5,40	7	53	10,14	47	22,82	12,68	9,25	4	50	34,58	11,76	51	47,98	13,40
Average	5,57	6	54	10,30	50	22,77	12,47	9,30	4	51	34,52	11,75	50	47,54	13,02
min-max	5.4-5.72	5-7	52-57	10.12-10.46	47-53	22.28-23.03	12.16-12.68	9.08-9.54	3-6	48-56	33.82-34.9	11.54-11.97	47-53	46.4-47.98	12.58-13.4

Race Analysis Comparison 200m Butterfly Women

Name	Start 0-15	# Kicks	Str.Rate (cycle/min)	Split 0-50m	Str.Rate (cycle/min)	Split 50-100	Lap 50-100	Str.Rate (cycle/min)	Split 150m	Lap 100-150m	Str.Rate (cycle/min)	Split 200m	Lap 150-200m	Turn 1 5+15	# kicks	Turn 2 5+15	# kicks	Turn 3 5+15	# kicks
McINTOSH	6,60	7	52	27,38	50	00:58,97	31,59	51	01:30,70	31,73	52	02:03,03	32,33	12,04	4	12,28	3	12,40	4
SMITH	6,38	9	55	27,60	54	00:59,36	31,76	53	01:31,50	32,14	55	02:03,84	32,34	12,22	8	12,20	8	11,94	11
ZHANG	6,42	9	55	27,08	51	00:58,81	31,73	50	01:31,43	32,62	51	02:05,09	33,66	11,78	7	12,50	4	12,62	4
DEKKERS	6,96	7	50	28,39	49	01:00,12	31,73	51	01:32,26	32,14	51	02:07,11	34,85	12,26	6	12,52	6	12,88	5
BACH	7,16	9	54	28,72	52	01:00,55	31,83	51	01:33,06	32,51	51	02:07,11	34,05	12,50	6	12,81	6	13,00	6
SHACKELL	6,80	7	50	28,26	51	00:59,97	31,71	51	01:32,94	32,97	53	02:07,73	34,79	11,84	8	12,31	7	12,94	8
CONNOR	6,88	11	48	28,67	48	01:00,46	31,79	49	01:34,12	33,66	50	02:08,15	34,03	12,08	6	12,72	5	12,96	4
STEPHENS	7,00	9	50	28,71	50	01:00,85	32,14	50	01:34,01	33,16	49	02:08,82	34,81	12,64	4	13,02	4	13,42	5
Average	6,78	9	52	28,10	50	00:59,89	31,79	51	01:32,50	32,62	52	02:06,36	33,86	12,17	6	12,55	5	12,77	6
min-max	6.38-7.16	7-11	48-55	27.08-28.72	48-54	58.81-1:00.85	31.59-32.14	49-53	1:30.70-1:34.12	31.73-33.66	49-55	2:03.03-2:08.82	32.33-34.85	11.78-12.64	4-8	12.2-13.02	3-8	11.94-13.42	4-11

Race Analysis Comparison 200m Backstroke Women

Name	Start 0-15	# Kicks	Str.Rate (cycle/min)	Split 0-50m	Str.Rate (cycle/min)	Split 50-100	Lap 50-100	Str.Rate (cycle/min)	Split 150m	Lap 100-150m	Str.Rate (cycle/min)	Split 200m	Lap 150-200m	Turn 1 5+15	# kicks	Turn 2 5+15	# kicks	Turn 3 5+15	# kicks
McKEOWN	6,84	13	45	29,17	42	01:00,52	31,35	43	01:31,88	31,36	43	02:03,73	31,85	11,84	8	11,74	7	11,90	7
SMITH	6,92	12	49	29,02	47	00:59,90	30,88	47	01:31,70	31,80	47	02:04,26	32,56	11,58	8	11,64	8	12,06	8
MASSE	7,00	13	48	28,95	42	01:00,37	31,42	41	01:32,70	32,33	43	02:05,57	32,87	11,50	5	12,00	5	12,06	5
BACON	7,20	9	39	29,47	37	01:00,77	31,30	37	01:32,63	31,86	39	02:05,61	32,98	11,50	7	11,80	6	12,20	5
SHANAHAN	7,64	11	42	30,18	39	01:02,11	31,93	39	01:34,97	32,86	40	02:07,53	32,56	11,70	6	12,22	7	12,42	6
PENG	7,22	12	48	29,72	44	01:01,47	31,75	44	01:34,48	33,01	43	02:07,96	33,48	11,86	9	12,40	7	12,80	6
OSRIN	7,52	11	44	29,91	39	01:02,29	32,38	41	01:34,70	32,41	40	02:08,16	33,46	12,02	6	12,06	6	12,52	5
SHKURDAI	7,22	10	42	30,34	39	01:02,79	32,45	40	01:36,11	33,32	41	02:10,23	34,12	11,82	10	11,92	9	12,42	9
Average	7,20	11	45	29,60	41	01:01,28	31,68	41	01:33,65	32,37	42	02:06,63	32,99	11,73	7	11,97	7	12,30	6
min-max	6.84-7.64	9-13	39-49	28.95-30.34	37-47	59.90-1:02.79	30.88-32.45	37-47	1:31.70-1:36.11	31.36-33.32	39-47	2:03.73-2:10.23	31.85-34.12	11.5-12.02	5-10	11.64-12.4	5-9	11.9-12.8	5-9

Race Analysis Comparison 200m Breaststroke Women

Name	Start	# Kicks	Str.Rate	Split	Str.Rate	Split	Lap	Str.Rate	Split	Lap	Str.Rate	Split	Lap	Turn 1	# kicks	Turn 2	# kicks	Turn 3	# kicks
	0-15		(cycle/min)	0-50m	(cycle/min)	50-100	50-100	(cycle/min)	150m	100-150m	(cycle/min)	200m	150-200m	5+15		5+15		5+15	
DOUGLASS	7,32	*	33	31,83	33	01:07,09	35,26	34	01:42,90	35,81	38	02:19,24	36,34	13,24	*	13,47	*	13,26	*
SMITH	7,32	*	36	31,60	32	01:07,21	35,61	34	01:43,09	35,88	39	02:19,60	36,51	13,72	*	14,00	*	13,78	*
SCHOUTEN	7,50	*	33	32,07	33	01:07,57	35,50	33	01:43,79	36,22	35	02:21,05	37,26	13,58	*	13,72	*	13,96	*
SUZUKI	7,80	*	39	32,15	35	01:08,03	35,88	36	01:45,19	37,16	40	02:22,54	37,35	13,66	*	14,08	*	14,30	*
TETEREVKOVA	7,48	*	33	32,80	31	01:09,47	36,67	34	01:46,28	36,81	39	02:23,75	37,47	13,50	*	14,00	*	13,92	*
YE	7,90	*	39	32,85	34	01:09,26	36,41	34	01:46,54	37,28	38	02:24,31	37,77	13,72	*	14,01	*	13,86	*
CORBETT	7,82	*	38	32,66	38	01:08,95	36,29	41	01:45,86	36,91	45	02:24,46	38,60	13,90	*	14,12	*	15,06	*
KING	7,58	*	41	32,25	39	01:08,62	36,37	40	01:46,70	38,08	45	02:25,91	39,21	13,58	*	14,38	*	14,42	*
Average	7,59	*	36	32,28	35	01:08,27	36,00	36	01:45,04	36,77	40	02:22,61	37,56	13,61	*	13,97	*	14,07	*
min-max	7.32-7.9	*	33-41	31.6-32.85	31-39	1:07.09-1:09.47	35.26-36.67	33-41	1:42.90-1:46.70	35.81-38.08	35-45	2:19.24-2:25.91	36.34-39.21	13.24-13.9	*	13.47-14.38	*	13.26-15.06	*

Race Analysis Comparison 200m Freestyle Women

Name	Start	# Kicks	Str.Rate	Split	Str.Rate	Split	Lap	Str.Rate	Split	Lap	Str.Rate	Split	Lap	Turn 1	# kicks	Turn 2	# kicks	Turn 3	# kicks
	0-15		(cycle/min)	0-50m	(cycle/min)	50-100	50-100	(cycle/min)	150m	100-150m	(cycle/min)	200m	150-200m	5+15		5+15		5+15	
O'CALLAGHAN	6,40	8	42	27,01	39	56,07	29,06	40	01:25,29	29,22	46	01:53,27	27,98	10,84	7	11,12	7	10,66	7
TITMUS	6,80	6	50	27,00	45	55,88	28,88	45	01:25,17	29,29	47	01:53,81	28,64	10,96	2	11,16	2	11,32	1
HAUGHEY	6,60	8	47	26,72	43	55,70	28,98	46	01:24,97	29,27	45	01:54,55	29,58	11,00	8	11,36	7	11,36	7
HARVEY	6,68	5	44	27,49	44	56,64	29,15	45	01:26,05	29,41	45	01:55,29	29,24	11,26	3	11,20	1	11,45	1
YANG	6,58	9	47	26,87	44	56,05	29,18	45	01:25,88	29,83	48	01:55,38	29,50	11,06	5	11,40	3	11,41	2
SEEMANOVA	6,60	8	46	26,88	42	55,97	29,09	42	01:25,73	29,76	44	01:55,47	29,74	10,96	4	11,52	4	11,38	4
FAIRWEATHER	6,88	8	47	27,24	43	56,66	29,42	44	01:26,31	29,65	46	01:55,59	29,28	11,16	4	11,46	3	11,46	4
WEINSTEIN	6,76	7	45	27,42	42	56,74	29,32	43	01:26,45	29,71	43	01:56,60	30,15	11,16	3	11,40	2	11,60	1
Average	6,66	7	46	27,08	43	56,21	29,14	44	01:25,73	29,52	45	01:54,99	29,26	11,05	5	11,33	4	11,33	3
min-max	6.4-6.88	5-9	42-50	26.72-27.49	39-45	55.7-56.74	28.88-29.42	40-46	1:24.97-1:26.45	29.22-29.83	43-48	1:53.27-1:56.6	27.98-30.15	10.84-11.26	2-8	11.12-11.52	1-7	10.66-11.6	1-7

Race Analysis Comparison 200m Butterfly Men

Name	Start 0-15	# Kicks	Str.Rate (cycle/min)	Split 0-50m	Str.Rate (cycle/min)	Split 50-100	Lap 50-100	Str.Rate (cycle/min)	Split 150m	Lap 100-150m	Str.Rate (cycle/min)	Split 200m	Lap 150-200m	Turn 1 5+15	# kicks	Turn 2 5+15	# kicks	Turn 3 5+15	# kicks
MARCHAND	5,68	9	53	24,96	49	53,46	28,50	50	01:22,24	28,78	51	01:51,21	28,97	10,44	10	11,02	9	11,24	10
MILAK	5,46	7	48	24,32	45	52,86	28,54	47	01:21,52	28,66	47	01:51,75	30,23	10,88	8	11,04	7	11,44	6
KHARUN	5,80	7	52	25,06	50	53,67	28,61	51	01:23,04	29,37	52	01:52,80	29,76	10,78	10	11,24	7	11,39	7
CHMIELEWSKI	5,94	9	55	25,29	52	54,40	29,11	53	01:23,89	29,49	54	01:53,90	30,01	11,20	7	11,41	6	11,73	6
PONTI	5,74	6	47	25,23	45	54,26	29,03	47	01:23,81	29,55	51	01:54,14	30,33	11,18	5	11,36	5	11,50	8
ESPERNBERGER	6,40	6	52	25,79	50	54,63	28,84	50	01:24,54	29,91	52	01:54,17	29,63	11,32	5	11,72	5	11,60	4
ZIRK	5,88	8	50	25,39	49	54,02	28,63	48	01:23,76	29,74	50	01:54,55	30,79	11,14	7	11,28	6	11,88	6
RAZZETTI	6,02	6	48	25,23	47	53,90	28,67	47	01:23,59	29,69	49	01:54,85	31,26	10,95	7	11,19	5	11,30	4
Average	5,87	7	50	25,16	48	53,90	28,74	49	01:23,30	29,40	51	01:53,42	30,12	10,99	7	11,28	6	11,51	6
min-max	5.46-6.4	6-9	47-55	24.32-25.79	45-52	52.86-54.63	28.5-29.11	47-53	1:21.52-1:24.54	28.66-29.91	47-54	1:51.21-1:54.85	28.97-31.26	10.44-11.32	5-10	11.02-11.72	5-9	11.24-11.88	4-10

Race Analysis Comparison 200m Backstroke Men

Name	Start 0-15	# Kicks	Str.Rate (cycle/min)	Split 0-50m	Str.Rate (cycle/min)	Split 50-100	Lap 50-100	Str.Rate (cycle/min)	Split 150m	Lap 100-150m	Str.Rate (cycle/min)	Split 200m	Lap 150-200m	Turn 1 5+15	# kicks	Turn 2 5+15	# kicks	Turn 3 5+15	# kicks
KOS	6,24	9	39	27,06	37	56,30	29,24	41	01:25,38	29,08	45	01:54,26	28,88	10,44	9	10,62	9	10,80	9
CHRISTOU	6,20	9	42	26,39	38	55,14	28,75	40	01:24,36	29,22	42	01:54,82	30,46	10,22	6	10,56	6	10,94	6
MITYUKOV	6,60	9	44	27,16	41	56,36	29,20	43	01:25,75	29,39	45	01:54,85	29,10	10,86	6	11,20	6	11,24	4
TOMAC	6,26	10	44	27,25	40	56,56	29,31	41	01:26,44	29,88	47	01:55,38	28,94	10,12	9	10,56	9	10,56	9
JONES	7,10	7	44	27,31	42	56,40	29,09	42	01:26,09	29,69	43	01:55,39	29,30	10,88	6	11,15	4	11,28	4
GONZALEZ de OLIV	6,50	8	42	26,99	39	55,89	28,90	39	01:25,72	29,83	44	01:55,47	29,75	10,40	6	10,87	5	11,06	5
COETZE	6,38	8	42	26,83	38	56,53	29,70	42	01:25,73	29,20	43	01:55,60	29,87	11,12	5	10,96	5	11,10	4
MAERTENS	6,66	10	45	27,11	40	56,60	29,49	40	01:26,40	29,80	42	01:55,97	29,57	10,88	5	11,07	6	11,38	5
Average	6,49	9	43	27,01	39	56,22	29,21	41	01:25,73	29,51	44	01:55,22	29,48	10,62	7	10,87	6	11,05	6
min-max	6.2-7.1	7-10	39-45	26.39-27.31	37-42	55.14-56.6	28.75-29.7	39-43	1:24.36-1:26.44	29.08-29.88	42-47	1:54.26-1:55.97	28.88-30.46	10.12-11.12	5-9	10.56-11.2	4-9	10.56-11.38	4-9

Race Analysis Comparison 200m Breaststroke

Name	Start 0-15	# Kicks	Str.Rate (cycle/min)	Split 0-50m	Str.Rate (cycle/min)	Split 50-100	Lap 50-100	Str.Rate (cycle/min)	Split 150m	Lap 100-150m	Str.Rate (cycle/min)	Split 200m	Lap 150-200m	Turn 1 5+15	# kicks	Turn 2 5+15	# kicks	Turn 3 5+15	# kicks
MARCHAND	6,04	*	42	28,42	37	01:00,59	32,17	37	01:33,12	32,53	41	02:05,85	32,73	12,18	*	12,13	*	12,30	*
STUBBLETY-COOK	6,98	*	40	29,30	37	01:01,56	32,26	39	01:34,30	32,74	49	02:06,79	32,49	12,32	*	12,54	*	12,50	*
CORBEAU	6,34	*	32	29,19	31	01:01,40	32,21	32	01:34,77	33,37	40	02:07,90	33,13	12,62	*	12,58	*	13,06	*
DONG	6,66	*	46	29,05	38	01:02,24	33,19	39	01:36,16	33,92	57	02:08,46	32,30	12,32	*	12,60	*	12,70	*
HANAGURUMA	6,64	*	39	29,32	37	01:02,20	32,88	36	01:35,26	33,06	48	02:08,79	33,53	12,38	*	12,33	*	12,62	*
WATANABE	6,20	*	31	29,44	31	01:02,44	33,00	33	01:35,37	32,93	44	02:08,83	33,46	12,22	*	12,30	*	12,42	*
MATHENY	6,94	*	45	29,17	45	01:02,01	32,84	49	01:35,73	33,72	53	02:09,52	33,79	12,44	*	13,01	*	13,40	*
YONG	7,00	*	35	29,72	33	01:02,66	32,94	33	01:36,92	34,26	43	02:11,44	34,52	12,38	*	12,94	*	13,10	*
Average	6,60	*	39	29,20	36	01:01,89	32,69	37	01:35,20	33,32	47	02:08,45	33,24	12,36	*	12,55	*	12,76	*
min-max	6.04-7	*	31-46	28.42-29.72	31-45	1:00.59-1:02.66	32.17-33.19	32-49	1:33.12-1:36.92	32.53-34.26	40-57	1:05.85-2:11.44	32.3-34.52	12.18-12.62	*	12.13-13.01	*	12.3-13.4	*

Race Analysis Comparison 200m Freestyle

Name	Start 0-15	# Kicks	Str.Rate (cycle/min)	Split 0-50m	Str.Rate (cycle/min)	Split 50-100	Lap 50-100	Str.Rate (cycle/min)	Split 150m	Lap 100-150m	Str.Rate (cycle/min)	Split 200m	Lap 150-200m	Turn 1 5+15	# kicks	Turn 2 5+15	# kicks	Turn 3 5+15	# kicks
POPOVICI	5,78	5	46	24,10	42	51,12	27,02	44	01:17,98	26,86	46	01:44,72	26,74	10,04	3	10,20	3	10,22	3
RICHARDS	5,50	6	40	24,16	38	50,92	26,76	40	01:17,99	27,07	37	01:44,74	26,75	9,84	4	9,92	5	10,06	5
HOBSON	5,88	3	39	24,70	38	51,37	26,67	39	01:18,00	26,63	43	01:44,79	26,79	9,90	3	10,00	2	9,98	3
SCOTT	5,78	7	45	24,46	44	51,21	26,75	44	01:18,10	26,89	47	01:44,87	26,77	10,08	3	10,16	3	10,35	3
MAERTENS	5,84	7	46	24,05	44	50,52	26,47	43	01:17,61	27,09	43	01:45,46	27,85	10,04	3	10,20	3	10,64	3
RAPSYS	5,84	7	38	24,67	40	51,23	26,56	43	01:18,37	27,14	48	01:45,46	27,09	10,04	5	10,16	4	10,18	6
GIULIANI	5,80	5	43	24,61	41	51,66	27,05	42	01:18,51	26,85	43	01:45,57	27,06	9,94	3	10,18	3	10,26	3
MATSUMOTO	5,86	6	40	24,36	38	51,12	26,76	37	01:18,87	27,75	38	01:46,26	27,39	10,12	4	10,30	2	10,59	2
Average	5,79	6	42	24,39	41	51,14	26,76	42	01:18,18	27,04	43	01:45,23	27,06	10,00	4	10,14	3	10,29	4
min-max	5.5-5.88	3-7	38-46	24.05-24.7	38-44	50.52-51.66	26.47-27.05	37-44	1:17.61-1:18.87	26.63-27.75	37-48	1:44.72-1:46.26	26.74-27.85	9.84-10.12	3-5	9.92-10.3	2-5	9.98-10.64	2-6

Race Analysis Comparison 200m IM Women

Name	Start	# Kicks	Str.Rate	Split	Str.Rate	Split	Lap	Str.Rate	Split	Lap	Str.Rate	Split	Lap	Turn 1	# kicks	Turn 2	# kicks	Turn 3	# kicks
	0-15		(cycle/min)	0-50m	(cycle/min)	50-100	50-100	(cycle/min)	150m	100-150m	(cycle/min)	200m	150-200m	5+15		5+15		5+15	
McINTOSH	6,60	7	55	26,80	43	00:58,60	31,80	43	01:36,13	37,53	46	02:06,56	30,43	12,12	4	13,64	*	13,10	4
DOUGLASS	6,36	8	49	26,73	38	01:01,05	34,32	36	01:36,80	35,75	42	02:06,92	30,12	12,10	6	13,44	*	12,14	2
McKEOWN	6,24	11	60	27,59	43	00:59,27	31,68	43	01:37,04	37,77	46	02:08,08	31,04	12,08	8	13,28	*	12,92	4
YU	6,48	8	54	27,31	39	01:00,05	32,74	43	01:37,42	37,37	42	02:08,49	31,07	12,18	7	13,68	*	12,82	2
WOOD	6,54	10	55	27,43	43	01:00,21	32,78	36	01:38,08	37,87	47	02:09,51	31,43	11,78	10	14,02	*	13,24	8
PICKREM	6,74	10	57	27,89	43	01:00,36	32,47	35	01:37,55	37,19	44	02:09,74	32,19	12,14	7	13,54	*	12,80	1
DQ																		*	
DNS																		*	
Average	6,49	9	55	27,29	42	00:59,92	32,63	39	01:37,17	37,25	44	02:08,22	31,05	12,07	7	13,60	*	12,84	4
min-max	6.24-6.74	7-11	49-60	26.73-27.89	38-43	58.6-1:01.05	31.68-34.32	35-43	1:36.13-1:38.08	35.75-37.87	42,47	2:06.56-2:09.74	30.12-32.19	11.78-12.18	4-10	13.28-14.02	*	12.14-13.24	1-8

Race Analysis Comparison 400m IM Women

Name	Start	# kicks	Str.Rate	Lap	Str.Rate	Lap	Split	Str.Rate	Lap	Str.Rate	Lap	Split	Turn 1	Turn 2	Turn 3	Turn 4	Turn 5	Turn 6	Turn 7
	0-15		(cycle/min)	0-100m	(cycle/min)	100-200	200m	(cycle/min)	200-300	(cycle/min)	300-400	400	5+15	5+15	5+15	5+15	5+15	5+15	5+15
S McINTOSH	6,78	*	52	00:58,50	39	01:07,09	02:05,59	39	01:19,36	42	01:02,76	04:27,71	12,08	12,90	12,36	13,90	15,28	13,24	12,06
K GRIMES	6,72	*	51	00:59,85	39	01:07,30	02:07,15	34	01:22,76	40	01:03,49	04:33,40	11,90	12,70	12,40	14,48	14,96	13,58	12,26
E WEYANT	7,54	*	53	01:02,78	39	01:11,36	02:14,14	37	01:18,59	43	01:02,20	04:34,93	12,82	13,20	13,12	14,76	14,86	13,00	12,10
F COLBERT	7,24	*	51	01:02,58	40	01:09,30	02:11,88	36	01:20,64	42	01:03,15	04:35,67	12,82	13,26	13,16	14,74	15,24	13,30	12,24
E RAMSAY	6,78	*	48	01:02,79	38	01:11,87	02:14,66	36	01:18,30	39	01:05,05	04:38,01	12,68	13,38	13,10	14,12	15,32	13,72	12,30
M NARITA	7,24	*	52	01:03,32	35	01:12,96	02:16,28	29	01:20,68	43	01:01,87	04:38,83	13,12	13,82	13,50	14,36	14,92	13,08	11,78
K SHANAHAN	7,14	*	49	01:03,38	33	01:09,37	02:12,75	30	01:21,10	38	01:06,32	04:40,17	12,96	13,24	13,02	14,46	14,94	13,76	12,52
E WALSHE	6,84	*	46	01:03,71	35	01:12,46	02:16,17	32	01:19,42	40	01:05,11	04:40,70	12,78	13,32	13,34	14,30	14,86	13,18	12,08
Average	7,04	*	50	01:02,11	37	01:10,21	02:12,33	34	01:20,11	41	01:03,74	04:36,18	12,65	13,23	13,00	14,39	15,05	13,36	12,17
min-max	6.72-7.54	*	37-47	52.01-54.32	36-47	1:48.4-1:51.66	56.07-57.85	36-46	56.81-58.05	37-47	55.49-57.66	3:41.78-3:47.0	11.9-13.12	12.7-13.82	12.36-13.5	13.9-14.76	14.86-15.32	13-13.76	11.78-12.52

Race Analysis Comparison 200m IM Men

Name	Start	# Kicks	Str.Rate	Split	Str.Rate	Split	Lap	Str.Rate	Split	Lap	Str.Rate	Split	Lap	Turn 1	# kicks	Turn 2	# kicks	Turn 3	# kicks
	0-15		(cycle/min)	0-50m	(cycle/min)	50-100	50-100	(cycle/min)	150m	100-150m	(cycle/min)	200m	150-200m	5+15		5+15		5+15	
MARCHAND	5,52	9	55	24,72	45	53,55	28,83	37	01:25,91	32,36	43	01:54,06	28,15	10,12	11	11,84	*	11,38	9
SCOTT	5,68	7	51	25,05	43	54,44	29,39	46	01:27,64	33,20	47	01:55,31	27,67	10,60	9	12,14	*	11,54	1
WANG	5,66	7	50	24,65	38	53,75	29,10	41	01:27,78	34,03	41	01:56,00	28,22	10,94	7	12,20	*	11,80	1
FOSTER	6,04	7	52	25,01	42	54,20	29,19	36	01:28,27	34,07	44	01:56,10	27,83	10,98	7	12,08	*	11,62	2
DEAN	5,92	7	52	24,96	42	54,50	29,54	36	01:28,42	33,92	42	01:56,46	28,04	10,84	7	12,36	*	11,70	2
RAZZETTI	5,86	7	50	25,00	45	55,17	30,17	42	01:28,90	33,73	47	01:56,82	27,92	11,04	8	12,08	*	11,58	3
SETO	5,72	9	58	24,85	47	54,65	29,80	36	01:28,28	33,63	48	01:57,21	28,93	10,58	9	12,04	*	11,69	5
KNOX	5,70	7	53	24,74	44	54,46	29,72	37	01:29,46	35,00	45	01:57,26	27,80	10,68	11	12,62	*	11,52	4
Average	5,76	8	53	24,87	43	54,34	29,47	39	01:28,08	33,74	45	01:56,15	28,07	10,72	9	12,17	*	11,60	3
min-max	5.52-6.04	7-9	50-58	24.65-25.05	38-47	53.55-55.17	28.83-30.17	36-46	1:25.91-1:29.46	32.360001-35	41-48	1:54.06-1:57.26	27.67-28.93	10.12-11.04	7-11	11.84-12.62	*	11.38-11.8	1-9

Race Analysis Comparison 400m IM Men

Name	Start	# Kicks	Str.Rate	Lap	Str.Rate	Lap	Split	Str.Rate	Lap	Str.Rate	Lap	Split	Turn 1	Turn 2	Turn 3	Turn 4	Turn 5	Turn 6	Turn 7
	0-15		(cycle/min)	0-100m	(cycle/min)	100-200	200m	(cycle/min)	200-300	(cycle/min)	300-400	400	5+15	5+15	5+15	5+15	5+15	5+15	5+15
L MARCHAND	5,66	*	52	00:54,32	37	01:02,44	01:56,76	35	01:07,48	40	00:58,71	04:02,95	11,00	11,34	11,12	12,34	12,72	11,64	10,72
T MATSUSHITA	5,88	*	49	00:56,52	37	01:04,61	02:01,13	36	01:10,43	46	00:57,06	04:08,62	11,28	11,86	11,78	12,24	12,88	11,90	10,66
C FOSTER	6,12	*	48	00:55,64	36	01:04,11	01:59,75	33	01:10,95	41	00:57,96	04:08,66	11,32	11,98	11,82	12,74	13,36	12,38	11,08
M LITCHFIELD	6,18	*	47	00:56,23	39	01:03,79	02:00,02	34	01:11,33	45	00:57,50	04:08,85	11,34	11,72	11,84	13,16	13,74	11,86	10,92
A RAZZETTI	6,12	*	46	00:56,00	37	01:05,21	02:01,21	33	01:10,65	44	00:57,52	04:09,38	11,64	12,06	11,98	12,80	13,28	11,96	10,76
L CLAREBURT	5,96	*	46	00:56,03	37	01:04,39	02:00,42	35	01:11,88	40	00:58,14	04:10,44	11,42	12,00	11,84	12,74	13,58	12,42	10,94
D SETO	5,84	*	54	00:54,88	41	01:04,78	01:59,66	32	01:11,25	45	01:00,87	04:11,78	10,76	11,38	11,66	12,64	13,54	12,00	11,50
C BUESSING	6,28	*	45	00:57,92	34	01:05,32	02:03,24	38	01:13,05	36	01:00,87	04:17,16	11,64	12,20	11,96	13,02	13,90	12,68	11,58
Average	6,01	*	48	00:55,94	37	01:04,33	02:00,27	34	01:10,88	42	00:58,58	04:09,73	11,30	11,82	11,75	12,71	13,38	12,11	11,02
min-max	5.66-6.28	*	37-47	52.01-54.32	36-47	1:48.4-1:51.66	56.07-57.85	36-46	56.81-58.05	37-47	55.49-57.66	3:41.78-3:47.0	10.76-11.64	11.34-12.2	11.12-11.98	12.24-13.16	12.72-13.9	11.64-12.68	10.66-11.58

Race Analysis Comparison 400m Freestyle Women

Name	Start	# kicks	Str.Rate	Lap	Str.Rate	Lap	Split	Str.Rate	Lap	Str.Rate	Lap	Split	Turn 1	Turn 2	Turn 3	Turn 4	Turn 5	Turn 6	Turn 7
	0-15		(cycle/min)	0-100m	(cycle/min)	100-200	200m	(cycle/min)	200-300	(cycle/min)	300-400	400	5+15	5+15	5+15	5+15	5+15	5+15	5+15
A TITMUS	6,86	*	45	00:56,92	42	01:00,05	01:56,97	43	00:59,95	44	01:00,57	03:57,49	11,22	11,68	11,66	11,52	11,70	11,68	11,74
S McINTOSH	6,84	*	45	00:57,03	43	01:00,29	01:57,32	44	01:00,42	44	01:00,63	03:58,37	11,24	11,64	11,60	11,52	11,74	11,76	12,06
K LEDECKY	6,88	*	49	00:57,69	47	01:00,83	01:58,52	47	01:00,99	47	01:01,35	04:00,86	11,48	11,68	11,64	11,70	11,78	11,82	12,22
E FAIRWEATHER	7,02	*	44	00:57,65	42	01:01,33	01:58,98	41	01:02,18	44	00:59,96	04:01,12	11,48	11,68	11,90	11,88	12,16	11,94	11,90
I GOSE	7,28	*	49	00:58,17	48	01:01,02	01:59,19	48	01:01,56	48	01:01,39	04:02,14	11,60	11,72	11,84	11,74	11,96	11,98	12,00
P MADDEN	7,18	*	44	00:57,77	43	01:00,72	01:58,49	42	01:01,62	42	01:02,15	04:02,26	11,40	11,50	11,70	11,94	11,82	12,00	12,10
M COSTA	7,04	*	44	00:58,25	41	01:02,02	02:00,27	40	01:02,63	43	01:00,63	04:03,53	11,22	11,60	11,76	11,92	11,76	11,86	11,58
J PERKINS	6,86	*	43	00:58,19	41	01:01,73	01:59,92	41	01:02,64	41	01:02,40	04:04,96	11,48	11,68	11,88	11,94	11,96	12,02	12,08
Average	7,00	*	45	00:57,71	43	01:01,00	01:58,71	43	01:01,50	44	01:01,14	04:01,34	11,39	11,65	11,75	11,77	11,86	11,88	11,96
min-max	6.84-7.28	*	37-47	52.01-54.32	36-47	1:48.4-1:51.66	56.07-57.85	36-46	56.81-58.05	37-47	55.49-57.66	3:41.78-3:47.0	11.22-11.6	11.5-11.72	11.6-11.9	11.52-11.94	11.7-12.16	11.68-12.02	11.58-12.22

Race Analysis Comparison 400m Freestyle Men

Name	Start	# kicks	Str.Rate	Lap	Str.Rate	Lap	Split	Str.Rate	Lap	Str.Rate	Lap	Split	Turn 1	Turn 2	Turn 3	Turn 4	Turn 5	Turn 6	Turn 7
	0-15		(cycle/min)	0-100m	(cycle/min)	100-200	200m	(cycle/min)	200-300	(cycle/min)	300-400	400	5+15	5+15	5+15	5+15	5+15	5+15	5+15
L MAERTENS	6,00	*	42	00:52,01	39	00:56,39	01:48,40	40	00:56,86	41	00:56,52	03:41,78	10,20	10,56	10,66	10,66	10,78	10,90	11,04
E WINNINGTON	6,00	*	43	00:52,78	41	00:56,40	01:49,18	42	00:57,26	44	00:55,77	03:42,21	10,58	10,60	10,84	10,86	11,16	11,02	10,76
W KIM	5,92	*	39	00:52,50	38	00:56,21	01:48,71	40	00:57,16	42	00:56,63	03:42,50	10,14	10,46	10,74	10,66	10,78	10,88	11,00
S SHORT	6,24	*	44	00:53,34	44	00:56,07	01:49,41	44	00:56,81	44	00:56,42	03:42,64	10,46	10,46	10,84	10,90	10,88	11,00	10,96
G COSTA	6,50	*	47	00:53,61	47	00:56,64	01:50,25	46	00:57,02	47	00:55,49	03:42,76	10,80	10,84	11,18	11,06	11,00	10,84	10,88
L FEI	6,32	*	37	00:53,23	36	00:57,06	01:50,29	36	00:57,67	37	00:56,28	03:44,24	10,54	10,86	10,94	10,96	11,04	11,06	10,90
O KLEMET	6,72	*	44	00:54,32	44	00:56,90	01:51,22	44	00:57,71	46	00:57,66	03:46,59	10,68	10,74	10,96	11,00	11,16	11,16	11,16
A SHACKELL	6,16	*	39	00:53,81	37	00:57,85	01:51,66	38	00:58,05	39	00:57,29	03:47,00	10,58	10,84	11,04	10,98	11,04	11,04	11,04
Average	6,23	*	42	00:53,20	41	00:56,69	01:49,89	41	00:57,32	43	00:56,51	03:43,72	10,50	10,67	10,90	10,89	10,98	10,99	10,97
min-max	5.92-6.72	*	37-47	52.01-54.32	36-47	1:48.4-1:51.66	56.07-57.85	36-46	56.81-58.05	37-47	55.49-57.66	3:41.78-3:47.0	10.14-10.8	10.46-10.86	10.66-11.18	10.66-11.06	10.78-11.16	10.84-11.16	10.76-11.16

Race Analysis Comparison 800m Freestyle Women

Name	Lap 1	Lap 2	Lap 3	Lap 4	Lap 5	Lap 6	Lap 7	Lap 8	Split	Str. Rate	Str. Rate	Str. Rate	Str. Rate	Str. Rate	Str. Rate	Str. Rate	Str. Rate	Turn	Turn	Turn	Turn	Turn	Turn	Turn	Turn
	0-100	100-200	200-300	300-400	400-500	500-600	600-700	700-800	0-800	0-100	100-200	200-300	300-400	400-500	500-600	600-700	700-800	50-100	150-200	250-300	350-400	450-500	550-600	650-700	750
Katie	57,43	61,28	62,16	62,33	62,58	62,23	61,78	61,25	08:11,04	49	46	46	45	46	45	45	45	11,51	11,76	11,97	11,98	12,03	11,90	11,84	12,02
Ariarne	57,68	61,29	62,10	62,42	62,53	62,81	62,36	61,10	08:12,29	45	42	41	41	41	40	41	43	11,46	11,85	11,88	11,94	11,98	12,02	11,91	11,82
Paige	59,48	62,32	62,17	62,53	62,57	61,00	61,50	61,43	08:13,00	42	40	40	40	40	41	41	42	11,64	11,89	11,91	12,02	11,95	11,81	11,87	12,04
Average	58,20	61,63	62,14	62,43	62,56	62,01	61,88	61,26	08:12,11	45	42	42	42	42	42	42	43	11,54	11,83	11,92	11,98	11,99	11,91	11,87	11,96
min-max	57,43-59,48	61,28-62,32	62,1-62,17	62,33-62,53	62,53-62,58	61-62,81	61,5-62,36	61,1-61,43	8:11.04-8:13.0	42-49	40-46	40-46	40-45	40-46	40-46	41-45	42-45	11,46-11,64	11,76-11,89	11,88-11,97	11,94-12,02	11,95-12,03	11,81-12,02	11,84-11,91	11,82-12,04

Race Analysis Comparison 800m Freestyle Men

Name	Lap 1	Lap 2	Lap 3	Lap 4	Lap 5	Lap 6	Lap 7	Lap 8	Split	Str. Rate	Str. Rate	Str. Rate	Str. Rate	Str. Rate	Str. Rate	Str. Rate	Str. Rate	Turn	Turn	Turn	Turn	Turn	Turn	Turn	Turn
	0-100	100-200	200-300	300-400	400-500	500-600	600-700	700-800	0-800	0-100	100-200	200-300	300-400	400-500	500-600	600-700	700-800	50-100	150-200	250-300	350-400	450-500	550-600	650-700	750
Daniel	54,76	57,86	57,94	58,26	57,72	58,17	58,15	55,33	07:38,19	39	37	38	38	38	38	39	44	10,72	10,89	10,98	10,98	10,84	11,03	10,94	10,62
Bobby	54,91	57,86	58,05	58,07	58,23	58,16	58,17	55,30	07:38,75	40	39	39	39	39	39	39	42	10,68	10,87	10,87	10,86	10,85	10,77	10,79	10,16
Gregorio	55,26	57,95	58,23	57,98	57,59	57,71	57,36	57,30	07:39,38	45	43	43	43	44	45	45	46	10,87	11,08	11,13	11,00	10,99	11,13	11,04	11,02
Ahmed	54,61	57,92	58,53	58,43	58,81	58,10	59,02	57,41	07:42,83	39	37	38	38	38	38	39	40	10,87	11,17	11,25	11,18	11,19	11,21	11,40	11,26
Sven	54,79	57,86	58,56	58,59	59,19	58,80	59,35	56,45	07:43,59	43	41	42	41	42	43	43	45	10,74	11,04	11,16	11,19	11,11	11,21	11,18	10,80
David	55,70	58,14	58,97	58,76	58,48	58,31	58,77	56,46	07:43,59	36	35	34	35	35	35	36	39	10,80	11,09	11,09	11,06	11,08	11,09	10,97	10,84
Luca	55,76	58,25	58,65	58,77	58,77	59,03	59,43	57,50	07:46,16	39	38	38	38	38	38	37	40	10,86	11,06	11,12	11,21	11,21	11,24	11,35	11,08
Elijah	53,57	57,65	58,55	59,41	60,04	60,14	60,25	58,75	07:48,36	42	40	40	40	40	40	41	42	10,78	11,05	11,05	11,31	11,35	11,52	11,55	11,30
Average	54,92	57,94	58,44	58,53	58,60	58,55	58,81	56,81	07:42,61	40	39	39	39	39	40	40	42	10,79	11,03	11,08	11,10	11,08	11,15	11,15	10,89
min-max	53,57-55,76	57,65-58,25	57,94-58,97	57,98-59,41	57,59-60,04	57,71-60,14	57,36-60,25	55,3-58,75	7:38.19-7:48.36	36-45	35-43	34-43	35-43	35-44	35-45	36-45	39-46	10,68-10,87	10,87-11,17	10,87-11,25	10,86-11,31	10,84-11,35	10,77-11,52	10,79-11,55	10,16-11,3

Race Analysis Comparison 1500m Freestyle Women

Name	Lap 1 0-100	Lap 5 0-500	Lap 10 500-1000	Lap 15 1000-1500	Lap 14-15 1400-1500	Split 0-1500	SR 1 (c/min)	SR 5 (c/min)	SR 10 (c/min)	SR 15 (c/min)	SR 14-15 (c/min)	Turn 50-100	Turn 50-500	Turn 550-1000	Turn 1050-1400	Turn 1450
Katie	00:58,09	05:06,71	05:12,98	05:10,33	01:00,13	15:30,02	48	45	46	44	45	11,60	11,77	11,91	11,88	11,36
Anastasiia	00:59,69	05:10,57	05:15,24	05:14,54	01:01,11	15:40,35	48	47	49	48	47	11,69	11,85	11,96	12,02	11,70
Isabel	01:00,69	05:11,97	05:15,76	05:13,43	01:00,29	15:41,16	44	44	46	45	48	11,96	12,02	12,13	12,14	11,73
Average	00:59,49	05:09,75	05:14,66	05:12,77	01:00,51	15:37,18	47	45	47	46	47	11,75	11,88	12,00	12,01	11,60
min-max	58.09-1:00.69	5:06.71-5:11.97	5:12.98-5:15.76	5:10.33-5:15.76	1:00.13-1:01.11	15:30.02-15:41.16	44-48	44-47	46-49	44-48	45-48	11.6-11.96	11.77-12.02	11.91-12.13	11.88-12.14	11.36-11.73

Race Analysis Comparison 1500m Freestyle Men

Name	Lap 1 0-100	Lap 0-500	Lap 500-1000	Lap 1000-1500	Last 100	Split 0-1500	SR 1 (c/min)	SR 5 (c/min)	SR 10 (c/min)	SR 15 (c/min)	SR 14-15 (c/min)	Turn 50-100	Turn 50-500	Turn 550-1000	Turn 1050-1400	Turn 1450
Bobby	55,47	04:49,10	04:52,62	04:48,95	55,34	14:30,67	39	38	40	40	42	10,86	10,98	11,00	10,97	10,30
Gregorio	56,02	04:50,37	04:52,65	04:51,53	58,06	14:34,55	44	43	44	43	43	11,10	11,21	11,25	11,23	11,26
Daniel	56,36	04:52,24	04:52,92	04:54,47	58,46	14:39,63	37	36	38	36	36	10,92	11,00	11,05	11,09	11,22
David	56,73	04:52,76	04:55,78	04:52,37	55,51	14:40,91	49	48	49	48	49	11,26	11,27	11,35	11,37	10,52
Kuzey	56,21	04:53,36	04:55,93	04:51,93	56,08	14:41,22	46	44	45	45	46	11,20	11,26	11,29	11,25	10,73
Ahmed	56,84	04:53,23	04:56,11	04:54,01	55,18	14:43,35	36	36	39	37	41	10,94	11,11	11,36	11,33	10,71
David	57,06	04:54,29	04:56,01	04:54,36	57,29	14:44,66	34	34	37	36	37	11,04	11,18	11,23	11,17	10,92
Damien	57,61	04:57,29	04:58,02	04:57,30	58,43	14:52,61	38	38	40	39	40	11,20	11,26	11,26	11,30	11,22
Average	56,54	04:52,83	04:55,01	04:53,12	56,79	14:40,95	41	40	42	40	42	11,06	11,16	11,22	11,21	10,86
min-max	55.47-57.61	4.49.1-4.57.29	4:52.62-4:58.02	4:48.95-4:57.3	55.18-58.46	14:30.67-14:52.61	34-49	34-48	37-49	36-48	36-49	10.86-11.26	10.98-11.27	11.0-11.36	10.97-11.37	10.3-11.26