

## Men's 200m Split Times - by athlete

LAST UPDATE: 23-Sep-24

Athlete			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Abbas, Shajar (PAK) (2000)</b>											
<b>FINAL</b> - 2022 Commonwealth Games (Birmingham, GBR)								<i>Longines Timing (2022) - commonwealth games race analysis</i>			
date	06-Aug-22	time	5.9	10.8	15.7	21.16	21.16	3 / 8			
reaction time	0.168	interval		4.90	4.90	5.46		# of strides	10.80	10.36	0.44
wind	1.1 m/s	velocity	8.47	10.20	10.20	9.16	9.45	88.0	9.26	9.65	
<b>Aberg, Oskar (SWE) (1989)</b>											
<b>B FINAL</b> - 2012 Windsprint (Sundsvall, SWE)								<i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>			
date	17-Jun-12	time		11.01		21.63	21.63	1 / 3			
reaction time		interval				10.62		# of strides	11.01	10.62	0.39
wind	0.4 m/s	velocity		9.08		4.62	9.25		9.08	9.42	
<b>D FINAL</b> - 2007 Windsprint (Sundsvall, SWE)								<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>			
date	24-Jul-07	time	11.28	16.43	21.86	21.86	21.86	2 / 1			
reaction time		interval		5.15	5.43		<b>PB</b>	# of strides	11.28	10.58	0.70
wind	0.5 m/s	velocity	8.87	9.71	9.21	9.15	9.15		8.87	9.45	
<b>Abrantes, Arnaldo (POR) (1986)</b>											
<b>Quarter-Final 4</b> - 2007 IAAF World Championships (Osaka, JPN)								<i>Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs</i>			
date	28-Aug-07	time	5.83	10.47	15.45	20.82	20.82	8 / 5			
reaction time	0.144	interval		4.64	4.98	5.37		# of strides	10.47	10.35	0.12
wind	0.6 m/s	velocity	8.58	10.78	10.04	9.31	9.61	88.0	9.55	9.66	
<b>Adam, Marcus (GBR) (1968)</b>											
<b>FINAL</b> - 1989 IAAF World Cup (Barcelona, ESP)								<i>Pascua (1990) - atletismo (I) carreras y marcha</i>			
date	10-Sep-89	time	10.56	15.45	20.67	20.67	20.67	1 / 5			
reaction time	0.162	interval		4.89	5.22			# of strides	10.56	10.11	0.45
wind	1.9 m/s	velocity	9.47	10.22	9.58	9.58	9.68		9.47	9.89	
<b>Adams, Luxolo (RSA) (1996)</b>											
<b>Heat 1</b> - 2023 World Athletics Championships (Budapest, HUN)								<i>Seiko Timing (2023) - world championship race analysis</i>			
date	23-Aug-23	time		10.57		20.15	20.15	5 / 3			
reaction time	0.149	interval				9.58		# of strides	10.57	9.58	0.99
wind	0.0 m/s	velocity		9.46		10.44	9.93	89.0	9.46	10.44	
<b>FINAL</b> - 2023 Bislett Games (Oslo, NOR)								<i>Omega Timing (2023) - diamond league race analysis</i>			
date	15-Jun-23	time	6.03	10.75	15.59	20.79	20.79	2 / 8			
reaction time	0.183	interval		4.72	4.84	5.20		# of strides	10.75	10.04	0.71
wind	0.6 m/s	velocity	8.29	10.59	10.33	9.62	9.62	90.0	9.30	9.96	
<b>FINAL</b> - 2022 World Athletics Championships (Eugene, OR)								<i>Timing by Seiko (2022) - world athletics championships race analysis</i>			
date	21-Jul-22	time		10.51		20.47	20.47	1 / 8			
reaction time	0.118	interval				9.96		# of strides	10.51	9.96	0.55
wind	0.4 m/s	velocity		9.51		10.04	9.77	90.5	9.51	10.04	
<b>Semi-Final 2</b> - 2022 World Athletics Championships (Eugene, OR)								<i>Timing by Seiko (2022) - world athletics championships race analysis</i>			
date	19-Jul-22	time		10.53		20.09	20.09	6 / 4			
reaction time	0.124	interval				9.56		# of strides	10.53	9.56	0.97
wind	1.1 m/s	velocity		9.50		10.46	9.96	89.0	9.50	10.46	
<b>Heat 3</b> - 2022 World Athletics Championships (Eugene, OR)								<i>Timing by Seiko (2022) - world athletics championships race analysis</i>			
date	18-Jul-22	time		10.43		20.10	20.10	6 / 2			
reaction time	0.127	interval				9.67		# of strides	10.43	9.67	0.76
wind	2.1 m/s	velocity		9.59		10.34	9.95	88.5	9.59	10.34	
<b>FINAL</b> - 2022 Meeting de Paris (Paris, FRA)								<i>Omega Timing (2022) - diamond league race analysis</i>			
date	18-Jun-22	time	5.83	10.33	14.93	19.82	19.82	8 / 1			
reaction time	0.171	interval		4.50	4.60	4.89	<b>PB</b>	# of strides	10.33	9.49	0.84
wind	0.6 m/s	velocity	8.58	11.11	10.87	10.22	10.09	88.5	9.68	10.54	
<b>FINAL</b> - 2022 Golden Gala Pietro Mennea (Rome, ITA)								<i>Omega Timing (2022) - diamond league race analysis</i>			
date	09-Jun-22	time	5.88	10.47	15.24	20.33	20.33	5 / 2			
reaction time	0.161	interval		4.59	4.77	5.09		# of strides	10.47	9.86	0.61
wind	-0.1 m/s	velocity	8.50	10.89	10.48	9.82	9.84	90.5	9.55	10.14	

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

**FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)***Omega Timing (2022) - diamond league race analysis*

date	05-Jun-22	time	5.86	10.45	15.23	20.35	20.35	5 / 2			
reaction time	0.140	interval		4.59	4.78	5.12		# of strides	10.45	9.90	0.55
wind	2.0 m/s	velocity	8.53	10.89	10.46	9.77	9.83	90.0	9.57	10.10	

**Adeniken, Olapade (NGR) (1969)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 1991 IAAF World Championships (Tokyo, JPN)***Butler (2013) - IAAF world championships statistics handbook- moscow 2013*

date	27-Aug-91	time		10.40		20.51	20.51	2 / 5			
reaction time	0.173	interval				10.11		# of strides	10.40	10.11	0.29
wind	-3.4 m/s	velocity		9.62		9.89	9.75	88.2	9.62	9.89	

**FINAL - 1989 IAAF World Cup (Barcelona, ESP)***Pascua (1990) - atletismo (I) carreras y marcha*

date	10-Sep-89	time		10.49	15.29	20.38	20.38	/ 3			
reaction time	0.264	interval			4.80	5.09		# of strides	10.49	9.89	0.60
wind	1.9 m/s	velocity		9.53	10.42	9.82	9.81		9.53	10.11	

**Semi-Final 2 - 1988 Olympic Games (Seoul, KOR)***Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988*

date	28-Sep-88	time	6.04	10.63	15.45	20.67	20.67	8 / 6			
reaction time	0.284	interval		4.59	4.82	5.22		# of strides	10.63	10.04	0.59
wind	1.6 m/s	velocity	8.28	10.89	10.37	9.58	9.68		9.41	9.96	

**Adigida, Onyema (NED) (2000)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****National FINAL - 2024 FBK Games (Hengelo, NED)***Omega Timing (2024) - continental tour gold race analysis*

date	07-Jul-24	time	6.07	10.76	15.62	20.83	20.83	6 / 1			
reaction time	0.156	interval		4.69	4.86	5.21		# of strides	10.76	10.07	0.69
wind	-0.3 m/s	velocity	8.24	10.66	10.29	9.60	9.60		9.29	9.93	

**Adolfsson, Henrik (SWE) (1988)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****E FINAL - 2007 Windsprint (Sundsvall, SWE)***(2007) - www.ssg.se/en/Windsprint/Split-times/*

date	24-Jul-07	time		11.69	17.07	22.87	22.87	5 / 2			
reaction time		interval			5.38	5.80		# of strides	11.69	11.18	0.51
wind	0.8 m/s	velocity		8.55	9.29	8.62	8.75		8.55	8.94	

**Afrifah, Blessing (ISR) (2003)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Repechage 3 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympic Games - Results Book (2024)*

date	06-Aug-24	time	5.97	10.70	15.65	20.88	20.88	3 / 4			
reaction time	0.155	interval		4.73	4.95	5.23		# of strides	10.70	10.18	0.52
wind	0.0 m/s	velocity	8.38	10.57	10.10	9.56	9.58	88.7	9.35	9.82	

**Heat 6 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympic Games - Results Book (2024)*

date	05-Aug-24	time	5.92	10.66	15.58	20.78	20.78	2 / 5			
reaction time	0.147	interval		4.74	4.92	5.20		# of strides	10.66	10.12	0.54
wind	0.1 m/s	velocity	8.45	10.55	10.16	9.62	9.62	86.0	9.38	9.88	

**Heat 3 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time		10.69		20.73	20.73	2 / 5			
reaction time	0.160	interval				10.04		# of strides	10.69	10.04	0.65
wind	-1.4 m/s	velocity		9.35		9.96	9.65	88.7	9.35	9.96	

**Ait Elhadj, Amine (MAR) (1999)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****National FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)***Omega Timing (2023) - diamond league race analysis*

date	28-May-23	time	6.21	11.26	16.57	22.44	22.44	5 / 5			
reaction time	0.206	interval		5.05	5.31	5.87		# of strides	11.26	11.18	0.08
wind	-0.2 m/s	velocity	8.05	9.90	9.42	8.52	8.91		8.88	8.94	

**National FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)***Omega Timing (2022) - diamond league race analysis*

date	05-Jun-22	time	6.23	11.22	16.38	21.87	21.87	6 / 2			
reaction time	0.213	interval		4.99	5.16	5.49		# of strides	11.22	10.65	0.57
wind	-0.6 m/s	velocity	8.03	10.02	9.69	9.11	9.14		8.91	9.39	

**Akintola, Alaba (NGR) (2001)****50m 100m 150m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 2 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	24-Aug-23	time		10.53		20.75	20.75	2 / 7			
reaction time	0.127	interval				10.22		# of strides	10.53	10.22	0.31
wind	0.0 m/s	velocity		9.50		9.78	9.64	93.2	9.50	9.78	

**Heat 7 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time	10.58	20.54	20.54	6 / - 3			
reaction time	0.177	interval		9.96		# of strides	10.58	9.96	0.62
wind	-0.1 m/s	velocity	9.45	10.04	9.74	93.0	9.45	10.04	

**Alerte, David (FRA) (1984)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2009 IAAF World Championships (Berlin, GER) <i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>									
date	20-Aug-09	time	5.96	10.65	15.59	20.68	20.68	2 / 8	
reaction time	0.161	interval		4.69	4.94	5.09		# of strides	10.65 10.03 0.62
wind	-0.3 m/s	velocity	8.39	10.66	10.12	9.82	9.67	80.7	9.39 9.97 79.88

**Semi-Final 1** - 2009 IAAF World Championships (Berlin, GER)*Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	19-Aug-09	time	5.94	10.60	15.40	20.45	20.45	4 / 4	
reaction time	0.147	interval		4.66	4.80	5.05		# of strides	10.60 9.85 0.75
wind	0.0 m/s	velocity	8.42	10.73	10.42	9.90	9.78	81.0	9.43 10.15

**Quarter-Final 1** - 2009 IAAF World Championships (Berlin, GER)*Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	18-Aug-09	time	5.93	10.64	15.47	20.51	20.51	2 / 2	
reaction time	0.149	interval		4.71	4.83	5.04		# of strides	10.64 9.87 0.77
wind	0.0 m/s	velocity	8.43	10.62	10.35	9.92	9.75		9.40 10.13

**Heat 3** - 2009 IAAF World Championships (Berlin, GER)*Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	18-Aug-09	time	5.95	10.69	15.58	20.72	20.72	3 / 4	
reaction time	0.148	interval		4.74	4.89	5.14		# of strides	10.69 10.03 0.66
wind	0.1 m/s	velocity	8.40	10.55	10.22	9.73	9.65		9.35 9.97

**FINAL** - 2007 European Cup (Munich, GER)*Graubner (2007) - <http://www.fgs.uni-halle.de>*

date	24-Jun-07	time	10.55	15.29	20.34	20.34		1 / 2	
reaction time	0.166	interval		4.74	5.05	<b>PB</b>		# of strides	10.55 9.79 0.76
wind	1.0 m/s	velocity	9.48	10.55	9.90	9.83			9.48 10.21

**Al-Hindi, Mohamed Obaid (OMA) (19**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Heat 4</b> - 2023 World Athletics Championships (Budapest, HUN) <i>Seiko Timing (2023) - world championship race analysis</i>									
date	23-Aug-23	time	11.06	21.39	21.39	7 / 7			
reaction time	0.176	interval		10.33		# of strides	11.06	10.33	0.73
wind	-0.2 m/s	velocity	9.04	9.68	9.35	93.0	9.04	9.68	

**Almiron, Cesar (PAR) (2001)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Repechage 2</b> - 2024 Olympic Games (Paris, FRA) <i>Paris 2024 Olympic Games - Results Book (2024)</i>									
date	06-Aug-24	time	6.08	10.79	15.76	20.98	20.98	3 / -5	
reaction time	0.169	interval		4.71	4.97	5.22	<b>DQ</b>	# of strides	10.79 10.19 0.60
wind	0.6 m/s	velocity	8.22	10.62	10.06	9.58	9.53	92.0	9.27 9.81

**Heat 2** - 2024 Olympic Games (Paris, FRA)*Paris 2024 Olympic Games - Results Book (2024)*

date	05-Aug-24	time	6.01	10.73	15.63	20.87	20.87	8 / 6	
reaction time	0.166	interval		4.72	4.90	5.24		# of strides	10.73 10.14 0.59
wind	-0.1 m/s	velocity	8.32	10.59	10.20	9.54	9.58	90.7	9.32 9.86

**Al-Salfa, Omar Juma (UAE) (1989)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Heat 2</b> - 2009 IAAF World Championships (Berlin, GER) <i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>									
date	18-Aug-09	time	5.98	10.71	15.64	20.84	20.94	8 / 5	
reaction time	0.187	interval		4.73	4.93	5.20		# of strides	10.71 10.13 0.58
wind	-1.6 m/s	velocity	8.36	10.57	10.14	9.62	9.55		9.34 9.87

**Amoah, Joseph (GHA) (1997)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Heat 6</b> - 2023 World Athletics Championships (Budapest, HUN) <i>Seiko Timing (2023) - world championship race analysis</i>									
date	23-Aug-23	time	10.54	20.56	20.56	6 / 5			
reaction time	0.160	interval		10.02		# of strides	10.54	10.02	0.52
wind	-0.5 m/s	velocity	9.49	9.98	9.73	89.0	9.49	9.98	

**FINAL** - 2022 Commonwealth Games (Birmingham, GBR)*Longines Timing (2022) - commonwealth games race analysis*

date	06-Aug-22	time	5.8	10.4	15.2	20.49	20.49	5 / 3	
reaction time	0.157	interval		4.60	4.80	5.29		# of strides	10.40 10.09 0.31
wind	1.1 m/s	velocity	8.62	10.87	10.42	9.45	9.76	90.0	9.62 9.91

**Heat 1** - 2022 World Athletics Championships (Eugene, OR)*Timing by Seiko (2022) - world athletics championships race analysis*

date	18-Jul-22	time	10.61	20.40	20.40	6 / 5			
reaction time	0.145	interval		9.79		# of strides	10.61	9.79	0.82

wind 1.0 m/s velocity 9.43 10.21 9.80 88.5 9.43 10.21

<b>Anderson, Marvin (JAM) (1982)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2007 IAAF World Championships (Osaka, JPN)						<i>Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs</i>					
date	30-Aug-07	time	5.96	10.50	15.26	20.28	20.28	7 / 6			
reaction time	0.171	interval		4.54	4.76	5.02		# of strides	10.50	9.78	0.72
wind	-0.8 m/s	velocity	8.39	11.01	10.50	9.96	9.86	89.7	9.52	10.22	

<b>Semi-Final 2</b> - 2007 IAAF World Championships (Osaka, JPN)						<i>Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs</i>					
date	29-Aug-07	time	5.86	10.33	14.99	20.06	20.06	6 / 2			
reaction time	0.163	interval		4.47	4.66	5.07	<b>PB</b>	# of strides	10.33	9.73	0.60
wind	-0.4 m/s	velocity	8.53	11.19	10.73	9.86	9.97	89.2	9.68	10.28	

<b>Quarter-Final 3</b> - 2007 IAAF World Championships (Osaka, JPN)						<i>Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs</i>					
date	28-Aug-07	time	5.84	10.35	15.04	20.13	20.13	4 / 2			
reaction time	0.152	interval		4.51	4.69	5.09	<b>PB</b>	# of strides	10.35	9.78	0.57
wind	0.9 m/s	velocity	8.56	11.09	10.66	9.82	9.94	89.5	9.66	10.22	

<b>Andersson, Adam (SWE) (1991)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>D FINAL</b> - 2007 Windsprint (Sundsvall, SWE)						<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>					
date	24-Jul-07	time	11.57	16.86	22.76	22.76	6 / 5				
reaction time		interval		5.29	5.90			# of strides	11.57	11.19	0.38
wind	0.5 m/s	velocity	8.64	9.45	8.47	8.79			8.64	8.94	

<b>Andersson, Patrik (SWE) (1991)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>A FINAL</b> - 2014 Windsprint (Sundsvall, SWE)						<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>					
date	20-Jul-14	time	10.93		21.28	21.28	2 / 4				
reaction time		interval			10.35			# of strides	10.93	10.35	0.58
wind	1.1 m/s	velocity	9.15		9.66	9.40			9.15	9.66	

<b>Angell-Petersen, Børge (NOR) (1983)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>D FINAL</b> - 2007 Windsprint (Sundsvall, SWE)						<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>					
date	24-Jul-07	time	11.30	16.61	22.46	22.46	5 / 4				
reaction time		interval		5.31	5.85			# of strides	11.30	11.16	0.14
wind	0.5 m/s	velocity	8.85	9.42	8.55	8.90			8.85	8.96	

<b>Annerfalk, Erik (SWE) (1994)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>D FINAL</b> - 2014 Windsprint (Sundsvall, SWE)						<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>					
date	20-Jul-14	time	11.28		22.00	22.00	4 / 1				
reaction time		interval			10.72			# of strides	11.28	10.72	0.56
wind	2.5 m/s	velocity	8.87		9.33	9.09			8.87	9.33	

<b>Ansah, Owen (GER) (2000)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Heat 7</b> - 2022 World Athletics Championships (Eugene, OR)						<i>Timing by Seiko (2022) - world athletics championships race analysis</i>					
date	18-Jul-22	time	10.71		20.52	20.52	2 / 4				
reaction time	0.136	interval			9.81			# of strides	10.71	9.81	0.90
wind	-0.3 m/s	velocity	9.34		10.19	9.75			9.34	10.19	

<b>FINAL</b> - 2022 Golden Gala Pietro Mennea (Rome, ITA)						<i>Omega Timing (2022) - diamond league race analysis</i>					
date	09-Jun-22	time	5.94	10.58	15.45	20.72	20.72	9 / 6			
reaction time	0.167	interval		4.64	4.87	5.27		# of strides	10.58	10.14	0.44
wind	-0.1 m/s	velocity	8.42	10.78	10.27	9.49	9.65	87.0	9.45	9.86	

<b>Antonov, Nikolay (BUL) (1968)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 1991 IAAF World Championships (Tokyo, JPN)						<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>					
date	27-Aug-91	time	10.53		20.59	20.59	6 / 7				
reaction time	0.162	interval			10.06			# of strides	10.53	10.06	0.47
wind	-3.4 m/s	velocity	9.50		9.94	9.71			9.50	9.94	

<b>FINAL</b> - 1991 European Cup (Frankfurt, GER)						<i>Federle (2003) - http://www.fgs.uni-halle.de</i>					
date	30-Jun-91	time	10.96		21.37	21.37	/ 6				
reaction time		interval			10.41			# of strides	10.96	10.41	0.55
wind	-1.6 m/s	velocity	9.12		9.61	9.36			9.12	9.61	

<b>Aoki, Shuma (JPN) (2005)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2022 Japanese National High School Championships (Naruto, JPN)						<i>Kishima (2022) - national high school championships biomechanics data collection</i>				
date	06-Aug-22	time	6.66	11.05	16.21	21.77	21.77	8 / 6		

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

reaction time	0.169	interval	4.39	5.16	5.56		# of strides	11.05	10.72	0.33
wind	-2.3 m/s	velocity	7.51	11.39	9.69	8.99	9.19	94.0	9.05	9.33

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Arame, Joseph (FRA) (1948)</b>										
<b>Semi-Final 1</b> - 1978 European Championships (Prague, TCH)								<i>Lamare (1978) - championnats d'Europa 1978</i>		
date	31-Aug-78	time	10.82	21.08	21.08	/ 6				
reaction time	0.167	interval		10.26		# of strides	10.82	10.26	0.56	
wind	-0.2 m/s	velocity	9.24	9.75	9.49		9.24	9.75		
<b>Heat 2</b> - 1978 European Championships (Prague, TCH)								<i>Lamare (1978) - championnats d'Europa 1978</i>		
date	31-Aug-78	time	11.20	21.32	21.32	/ 2				
reaction time		interval		10.12		# of strides	11.20	10.12	1.08	
wind	-1.5 m/s	velocity	8.93	9.88	9.38		8.93	9.88		
<b>Arashikawa, Aito (JPN) (1991)</b>										
<b>FINAL</b> - 2009 Japanese National High School Championships (Nara, JPN)								<i>Matsuo (2009) - 62nd high school championships: JAF scientific committee</i>		
date	01-Aug-09	time	6.13	10.98	16.05	21.35	21.35	8 / 5		
reaction time		interval	4.85	5.07	5.30		# of strides	10.98	10.37	
wind	1.6 m/s	velocity	8.16	10.31	9.86	9.43	9.37	9.11	9.64	
<b>Arii, Kennsei (JPN)</b>										
<b>FINAL</b> - 2021 Japanese U16 National Championships (Matsuyama, JPN) (150m)								<i>Shibayama (2021) - national high school and U20 national championships</i>		
date	23-Oct-21	time	6.19	11.15	16.38	16.38	3 / 4			
reaction time		interval	4.96	5.23			# of strides	11.15	10.19	
wind	-0.9 m/s	velocity	8.08	10.08	9.56	12.21	72.5	8.97	9.81	
<b>Armfelt, Carl (SWE) (1984)</b>										
<b>C FINAL</b> - 2014 Windsprint (Sundsvall, SWE)								<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>		
date	20-Jul-14	time	10.98	21.51	21.51	4 / 1				
reaction time		interval		10.53	<b>PB</b>	# of strides	10.98	10.53	0.45	
wind	1.5 m/s	velocity	9.11	9.50	9.30		9.11	9.50		
<b>B FINAL</b> - 2012 Windsprint (Sundsvall, SWE)								<i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>		
date	17-Jun-12	time	11.18	21.95	21.95	/ 4				
reaction time		interval		10.77		# of strides	11.18	10.77	0.41	
wind	0.4 m/s	velocity	8.94	4.56	9.11		8.94	9.29		
<b>Armstrong, Aaron (USA) (1977)</b>										
<b>Semi-Final 1</b> - 2004 USA Olympic Trials (Sacramento, CA)								<i>USATF Women's Sprint Development (2004)</i>		
date	17-Jul-04	time	5.99	10.77	15.60	20.81	20.81	1 / 7-6		
reaction time		interval	4.78	4.83	5.21		# of strides	10.77	10.04	
wind	-0.7 m/s	velocity	8.35	10.46	10.35	9.60	9.61	9.29	9.96	
<b>Asada, Kiyotaka (JPN) (1990)</b>										
<b>FINAL</b> - 2008 Japanese National High School Championships (Kumagaya, JPN)								<i>Abe (2008) - 61st high school championships: JAF scientific committee</i>		
date	01-Aug-08	time	6.23	11.27	16.43	21.86	21.86	/ 5		
reaction time		interval	5.04	5.16	5.43		# of strides	11.27	10.59	
wind	-1.3 m/s	velocity	8.03	9.92	9.69	9.21	9.15	8.87	9.44	
<b>Ashida, Shuhei (JPN) (1999)</b>										
<b>FINAL</b> - 2018 Japanese National Junior (U20) Championships (Nagano, JPN)								<i>Ryutaro (2018) - research on athlete performance and technique</i>		
date	21-Oct-18	time	6.16	10.99	15.96	21.25	21.25	7 / 6		
reaction time	0.151	interval	4.83	4.97	5.29		# of strides	10.99	10.26	
wind	0.5 m/s	velocity	8.12	10.35	10.06	9.45	9.41	88.0	9.10	
<b>Ashmeade, Nickel (JAM) (1990)</b>										
<b>FINAL</b> - 2011 IAAF World Championships (Daegu, KOR)								<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>		
date	03-Sep-11	time	10.4	20.29	20.29	5 / 5				
reaction time	0.136	interval		9.89		# of strides	10.40	9.89	0.51	
wind	0.8 m/s	velocity	9.62	10.11	9.86	86.7	9.62	10.11		
<b>Attene, Alessandro (ITA) (1977)</b>										
<b>FINAL</b> - 1997 European Cup (Munich, GER)								<i>Federle (2009) - http://www.fgs.uni-halle.de</i>		
date	22-Jun-97	time	6.10	10.78	15.63	20.89	20.89	/ 5		
reaction time		interval	4.68	4.85	5.26		# of strides	10.78	10.11	
wind	0.7 m/s	velocity	8.20	10.68	10.31	9.51	9.57	9.28	9.89	

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

Axelson, Truls (SWE) (1993)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>E FINAL</b> - 2014 Windsprint (Sundsvall, SWE)			<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>								
date	20-Jul-14	time	11.65			22.47	22.47	2 / 2			
reaction time		interval				10.82	<b>PB</b>	# of strides	11.65	10.82	0.83
wind	1.7 m/s	velocity	8.58			9.24	8.90		8.58	9.24	
Azamati, Benjamin (GHA) (1998)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2022 Meeting de Paris (Paris, FRA)			<i>Omega Timing (2022) - diamond league race analysis</i>								
date	18-Jun-22	time	5.80	10.40	15.27	20.77	20.77	3 / 8			
reaction time	0.179	interval		4.60	4.87	5.50		# of strides	10.40	10.37	0.03
wind	0.6 m/s	velocity	8.62	10.87	10.27	9.09	9.63	92.5	9.62	9.64	
Azib, Yassine (MAR) (1999)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>National FINAL</b> - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)			<i>Omega Timing (2022) - diamond league race analysis</i>								
date	05-Jun-22	time	6.38	11.57	16.99	22.76	22.76	2 / 7			
reaction time	0.191	interval		5.19	5.42	5.77		# of strides	11.57	11.19	0.38
wind	-0.6 m/s	velocity	7.84	9.63	9.23	8.67	8.79		8.64	8.94	
Bailey, Daniel (ANT) (1986)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2016 Seiko Golden Grand Prix (Kawasaki, JPN)			<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>								
date	08-May-16	time	5.81	10.49	15.41	20.75	20.75	7 / 3			
reaction time	0.151	interval		4.68	4.92	5.34		# of strides	10.49	10.26	0.23
wind	-0.6 m/s	velocity	8.61	10.68	10.16	9.36	9.64	92.2	9.53	9.75	
Bailey, Donovan (CAN) (1967)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 1997 "World's Fastest Man" (Toronto, CAN) (150m indoor, 75m curve / 75m straight)			<i>vaughn (2009) - le blog du sprint (http://futuraanterior.wordpress.com/)</i>								
date	31-May-97	time	5.74	10.24	14.99		14.99	1 / 1			<b>50-150m</b>
reaction time		interval		4.50	4.75			# of strides	10.24		9.25
		velocity	8.71	11.11	10.53		10.01		9.77		10.81
Bailey, Ryan (USA) (1989)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2012 Great North CityGames (Newcastle, GBR) (150m straightaway)			<i>Jalava (2012) - www.tilastopaja.org</i>								
date	15-Sep-12	time	5.82				dnf	4 / --			
reaction time		interval						# of strides			
wind	0.7 m/s	velocity	8.59								
<b>FINAL</b> - 2008 USATF National Junior Championships (Columbus, OH)			<i>USATF Women's Sprint Development with HPC (2008)</i>								
date	22-Jun-08	time		10.99	16.17	22.13	22.13	4 / 7			
reaction time		interval			5.18	5.96		# of strides	10.99	11.14	-0.15
wind	-2.2 m/s	velocity		9.10	9.65	8.39	9.04		9.10	8.98	
Baloyes, Bernardo (COL) (1994)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2019 Memorial van Damme (Brussels, BEL)			<i>Omega Timing (2019) - diamond league race analysis</i>								
date	06-Sep-19	time	6.1	10.8	15.7	20.92	20.92	2 / <del>3</del>			
reaction time	0.151	interval		4.7	4.9	5.22	<b>DQ</b>	# of strides	10.80	10.12	0.68
wind	0.8 m/s	velocity	8.20	10.64	10.20	9.58	9.56	90.0	9.26	9.88	
Bambuck, Roger (FRA) (1945)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 1968 Olympic Games (Mexico City, MEX) (Altitude)			<i>Hymans (2015) - progression of IAAF world records</i>								
date	16-Oct-68	time		10.5		20.5	20.51	2 / 5			
reaction time		interval				10.00		# of strides	10.50	10.00	0.50
wind	0.9 m/s	velocity		9.52		10.00	9.75	91.5	9.52	10.00	
Bao Leer (CHN) (1995)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2017 National Games (Tianjin, CHN)			<i>Jiang (2017.09.05) - https://twitter.com/pjvazel</i>								
date	05-Sep-17	time	10.83			21.02	21.02	1 / 7			
reaction time		interval				10.19		# of strides	10.83	10.19	0.64
wind	-0.2 m/s	velocity		9.23		9.81	9.51		9.23	9.81	
Baptiste, Kirk (USA) (1963)			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 1984 Olympic Games (Los Angeles, CA)			<i>Vogel (1984) - olympische spiele in los angeles</i>								
date	08-Aug-84	time	10.41			19.96	19.96	3 / 2			
reaction time	0.153	interval				9.55	<b>PB</b>	# of strides	10.41	9.55	0.86
wind	-0.9 m/s	velocity		9.61		10.47	10.02		9.61	10.47	

**FINAL - 1984 USA Olympic Trials (Los Angeles, CA)**

date 21-Jun-84 time 10.36 20.05 20.05  
 reaction time interval 9.69 **PB**  
 wind -0.2 m/s velocity 9.65 10.32 9.98

*Hymans (2008) - history of the US olympic trials - track and field*

8 / 2  
 # of strides 10.36 9.69 0.67  
 9.65 10.32

**Semi-Final 1 - 1984 USA Olympic Trials (Los Angeles, CA)**

date 21-Jun-84 time 10.42 20.46 20.46  
 reaction time interval 10.04  
 wind -1.3 m/s velocity 9.60 9.96 9.78

*Hymans (2020) - history of the US olympic trials - track and field*

/ 2  
 # of strides 10.42 10.04 0.38  
 9.60 9.96

**Barnett, Brian (CAN) (1987)**

**Semi-Final 1 - 2007 IAAF World Championships (Osaka, JPN)**  
*Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*  
 date 29-Aug-07 time 6.05 10.70 15.55 20.68 20.68  
 reaction time 0.142 interval 4.65 4.85 5.13  
 wind -0.4 m/s velocity 8.26 10.75 10.31 9.75 9.67

**Quarter-Final 2 - 2007 IAAF World Championships (Osaka, JPN)**

*Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*  
 date 28-Aug-07 time 5.95 10.52 15.31 20.41 20.41  
 reaction time 0.173 interval 4.57 4.79 5.10  
 wind -0.3 m/s velocity 8.40 10.94 10.44 9.80 9.80

**Barré, Pascal (FRA) (1959)**

**Heat 3 - 1978 European Championships (Prague, TCH)**  
*Lamare (1978) - championnats d'Europa 1978*  
 date 31-Aug-78 time 10.73 20.78 20.78  
 reaction time 0.183 interval 10.05 **PB**  
 wind -0.2 m/s velocity 9.32 9.95 9.62

**Barré, Patrick (FRA) (1959)**

**Heat 4 - 1978 European Championships (Prague, TCH)**  
*Lamare (1978) - championnats d'Europa 1978*  
 date 31-Aug-78 time 10.92 21.27 21.27  
 reaction time interval 10.35 **PB**  
 wind 0.2 m/s velocity 9.16 9.66 9.40

**Bednarek, Kenneth (USA) (1998)**

**FINAL - 2024 Memorial van damme (Brussels, BEL)**  
*Omega Timing (2024) - diamond league race analysis*  
 date 14-Sep-24 time 5.75 10.23 14.82 19.67 19.67  
 reaction time 0.169 interval 4.48 4.59 4.85  
 wind 0.7 m/s velocity 8.70 11.16 10.89 10.31 10.17

**FINAL - 2024 Weltklasse (Zürich, SUI)**

*Omega Timing (2024) - diamond league race analysis*  
 date 05-Sep-24 time 5.75 10.20 14.75 19.57 19.57  
 reaction time 0.182 interval 4.45 4.55 4.82  
 wind 0.4 m/s velocity 8.70 11.24 10.99 10.37 10.22

**FINAL - 2024 Kamila Skolimowska Memorial (Silesia, POL)**

*Omega Timing (2024) - diamond league race analysis*  
 date 25-Aug-24 time 5.86 10.36 14.98 20.00 20.00  
 reaction time 0.189 interval 4.50 4.62 5.02  
 wind 0.6 m/s velocity 8.53 11.11 10.82 9.96 10.00

**FINAL - 2024 Olympic Games (Paris, FRA)**

*Paris 2024 Olympc Games - Results Book (2024)*  
 date 08-Aug-24 time 5.68 10.10 14.69 19.62 19.62  
 reaction time 0.163 interval 4.42 4.59 4.93  
 wind 0.4 m/s velocity 8.80 11.31 10.89 10.14 10.19

**Semi-Final 1 - 2024 Olympic Games (Paris, FRA)**

*Paris 2024 Olympc Games - Results Book (2024)*  
 date 07-Aug-24 time 5.82 10.34 15.02 20.00 20.00  
 reaction time 0.188 interval 4.52 4.68 4.98  
 wind -0.1 m/s velocity 8.59 11.06 10.68 10.04 10.00

**Heat 4 - 2024 Olympic Games (Paris, FRA)**

*Paris 2024 Olympc Games - Results Book (2024)*  
 date 05-Aug-24 time 5.80 10.34 15.00 19.96 19.96  
 reaction time 0.182 interval 4.54 4.66 4.96  
 wind 0.2 m/s velocity 8.62 11.01 10.73 10.08 10.02

**FINAL - 2024 USA Olympic Trials (Eugene, OR)**

*USATF and Karmarush (2024) - USA Olympic trials results and race analysis*  
 date 29-Jun-24 time 5.73 10.26 14.81 19.59 19.59

reaction time	interval	4.53	4.55	4.78	<b>PB</b>	# of strides	10.26	9.33	0.93	
wind	0.5 m/s	velocity	8.73	11.04	10.99	10.46	10.21	84.0	9.75	10.72

**Semi-Final 2** - 2024 USA Olympic Trials (Eugene, OR)*USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date	28-Jun-24	time	5.82	10.40	15.05	19.96	19.96	6 / 1		
reaction time	interval	4.58	4.65	4.91			# of strides	10.40	9.56	0.84
wind	0.7 m/s	velocity	8.59	10.92	10.75	10.18	10.02	85.5	9.62	10.46

**Heat 3** - 2024 USA Olympic Trials (Eugene, OR)*USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date	27-Jun-24	time	5.86	10.55	15.24	20.28	20.28	6 / 1		
reaction time	interval	4.69	4.69	5.04			# of strides	10.55	9.73	0.82
wind	1.1 m/s	velocity	8.53	10.66	10.66	9.92	9.86	83.2	9.48	10.28

**FINAL** - 2024 Prefontaine Classic (Eugene, OR)*Omega Timing (2024) - diamond league race analysis*

date	25-May-24	time	5.82	10.33	14.98	19.89	19.89	7 / 1			
reaction time	0.180	interval	4.51	4.65	4.91			# of strides	10.33	9.56	0.77
wind	1.8 m/s	velocity	8.59	11.09	10.75	10.18	10.06	86.6	9.68	10.46	

**FINAL** - 2024 Seashore Doha Meeting (Doha, QAT)*Omega Timing (2024) - diamond league race analysis*

date	10-May-24	time	5.75	10.22	14.79	19.67	19.67	7 / 1			
reaction time	0.175	interval	4.47	4.57	4.88	<b>PB</b>		# of strides	10.22	9.45	0.77
wind	1.7 m/s	velocity	8.70	11.19	10.94	10.25	10.17	86.0	9.78	10.58	

**FINAL** - 2023 Prefontaine Classic (Eugene, OR)*Omega Timing (2023) - diamond league race analysis*

date	17-Sep-23	time	5.78	10.26	14.90	19.95	19.95	8 / 2			
reaction time	0.165	interval	4.48	4.64	5.05			# of strides	10.26	9.69	0.57
wind	0.6 m/s	velocity	8.65	11.16	10.78	9.90	10.03	87.0	9.75	10.32	

**FINAL** - 2023 Memorial van Damme (Brussels, BEL)*Omega Timing (2023) - diamond league race analysis*

date	08-Sep-23	time	5.73	10.16	14.80	19.79	19.79	7 / 1			
reaction time	0.174	interval	4.43	4.64	4.99			# of strides	10.16	9.63	0.53
wind	-0.1 m/s	velocity	8.73	11.29	10.78	10.02	10.11	87.0	9.84	10.38	

**FINAL** - 2023 Weltklasse (Zürich, SUI)*Omega Timing (2023) - diamond league race analysis*

date	31-Aug-23	time	5.78	10.24	14.92	19.98	19.98	8 / 4			
reaction time	0.199	interval	4.46	4.68	5.06			# of strides	10.24	9.74	0.50
wind	-0.5 m/s	velocity	8.65	11.21	10.68	9.88	10.01	84.7	9.77	10.27	

**FINAL** - 2023 World Athletics Championships (Budapest, HUN)*Seiko Timing (2023) - world championship race analysis*

date	25-Aug-23	time	10.32		20.07	20.07		7 / 5			
reaction time	0.163	interval			9.75			# of strides	10.32	9.75	0.57
wind	-0.2 m/s	velocity	9.69		10.26	9.97		85.7	9.69	10.26	

**Semi-Final 2** - 2023 World Athletics Championships (Budapest, HUN)*Seiko Timing (2023) - world championship race analysis*

date	24-Aug-23	time	10.34		19.96	19.96		7 / 1			
reaction time	0.174	interval			9.62			# of strides	10.34	9.62	0.72
wind	0.0 m/s	velocity	9.67		10.40	10.02		185.2	9.67	10.40	

**Heat 7** - 2023 World Athletics Championships (Budapest, HUN)*Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time	10.43		20.01	20.01		5 / 1			
reaction time	0.159	interval			9.58			# of strides	10.43	9.58	0.85
wind	-0.1 m/s	velocity	9.59		10.44	10.00		86.0	9.59	10.44	

**FINAL** - 2023 Doha Diamond League (Doha, QAT)*Omega Timing (2023) - diamond league race analysis*

date	05-May-23	time	5.86	10.14	14.87	20.11	20.11	6 / 2			
reaction time	0.169	interval	4.28	4.73	5.24			# of strides	10.14	9.97	0.17
wind	0.3 m/s	velocity	8.53	11.68	10.57	9.54	9.95	89.0	9.86	10.03	

**FINAL** - 2022 Weltklasse (Zürich, SUI)*Omega Timing (2022) - diamond league race analysis*

date	08-Sep-22	time	5.81	10.30	15.01	20.20	20.20	7 / 5			
reaction time	0.201	interval	4.49	4.71	5.19			# of strides	10.30	9.90	0.40
wind	-0.6 m/s	velocity	8.61	11.14	10.62	9.63	9.90	88.0	9.71	10.10	

**FINAL** - 2022 World Athletics Championships (Eugene, OR)*Timing by Seiko (2022) - world athletics championships race analysis*

date	21-Jul-22	time	10.26		19.77	19.77		5 / 2			
reaction time	0.143	interval			9.51			# of strides	10.26	9.51	0.75
wind	0.4 m/s	velocity	9.75		10.52	10.12		87.0	9.75	10.52	



**Semi-Final 2 - 2022 World Athletics Championships (Eugene, OR)**

date	19-Jul-22	time	10.43	19.84	19.84
reaction time	0.156	interval		9.41	
wind	1.1 m/s	velocity	9.59	10.63	

*Timing by Seiko (2022) - world athletics championships race analysis*

	4 / 2			
# of strides	10.43	9.41	1.02	
	86.0	9.59	10.63	

**Heat 4 - 2022 World Athletics Championships (Eugene, OR)**

date	18-Jul-22	time	10.64	20.35	20.35
reaction time	0.139	interval		9.71	
wind	0.5 m/s	velocity	9.40	10.30	9.83

*Timing by Seiko (2022) - world athletics championships race analysis*

	2 / 2			
# of strides	10.64	9.71	0.93	
	87.0	9.40	10.30	

**FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)**

date	09-Jun-22	time	5.79	10.29	14.97	20.01	20.01
reaction time	0.181	interval		4.50	4.68	5.04	
wind	-0.1 m/s	velocity	8.64	11.11	10.68	9.92	10.00

*Omega Timing (2022) - diamond league race analysis*

	7 / 1			
# of strides	10.29	9.72	0.57	
	87.0	9.72	10.29	

**FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)**

date	05-Jun-22	time	5.78	10.31	15.06	20.21	20.21
reaction time	0.157	interval		4.53	4.75	5.15	
wind	2.0 m/s	velocity	8.65	11.04	10.53	9.71	9.90

*Omega Timing (2022) - diamond league race analysis*

	7 / 1			
# of strides	10.31	9.90	0.41	
	88.0	9.70	10.10	

**FINAL - 2021 Weltklasse (Zürich, SUI)**

date	09-Sep-21	time	5.7	10.2	14.8	19.70	19.70
reaction time	0.165	interval		4.50	4.60	4.90	
wind	0.5 m/s	velocity	8.77	11.11	10.87	10.20	10.15

*Omega Timing (2021) - diamond league race analysis*

	7 / 1			
# of strides	10.20	9.50	0.70	
	86.0	9.80	10.53	

**FINAL - 2021 Athletissima (Lausanne, SUI)**

date	26-Aug-21	time	5.8	10.3	14.9	19.65	19.65
reaction time	0.163	interval		4.50	4.60	4.75	
wind	3.2 m/s	velocity	8.62	11.11	10.87	10.53	10.18

*Omega Timing (2021) - diamond league race analysis*

	6 / 1			
# of strides	10.30	9.35	0.95	
	85.7	9.71	10.70	

**FINAL - 2021 Prefontaine Classic (Eugene, OR)**

date	21-Aug-21	time	5.9	10.4	15.0	19.80	19.80
reaction time	0.166	interval		4.50	4.60	4.80	
wind	1.5 m/s	velocity	8.47	11.11	10.87	10.42	10.10

*Omega Timing (2021) - diamond league race analysis*

	6 / 2			
# of strides	10.40	9.40	1.00	
	85.0	9.62	10.64	

**FINAL - 2021 Doha Diamond League (Doha, QAT)**

date	28-May-21	time	6.0	10.2	14.9	19.88	19.88
reaction time	0.171	interval		4.20	4.70	4.98	
wind	0.4 m/s	velocity	8.33	11.90	10.64	10.04	10.06

*Omega Timing (2021) - diamond league race analysis*

	6 / 1			
# of strides	10.20	9.68	0.52	
	87.7	9.80	10.33	

**FINAL - 2021 Müller Grand Prix (Gateshead, GBR)**

date	23-May-21	time	6.3	10.9	15.7	20.33	20.33
reaction time	0.166	interval		4.60	4.80	4.63	
wind	-3.0 m/s	velocity	7.94	10.87	10.42	10.80	9.84

*Omega Timing (2021) - diamond league race analysis*

	7 / 1			
# of strides	10.90	9.43	1.47	
	89.5	9.17	10.60	

**Belcher, Christopher (USA) (1994)**

<b>FINAL - 2020 Doha Diamond League (Doha, QAT)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
date	25-Sep-20	time	5.9	10.6	15.5	20.86	20.86		
reaction time	0.158	interval		4.70	4.90	5.36			
wind	0.9 m/s	velocity	8.47	10.64	10.20	9.33	9.59		

*Omega Timing (2020) - diamond league race analysis*

	7 / 5			
# of strides	10.60	10.26	0.34	
	96.0	9.43	9.75	

**FINAL - 2019 Seiko Golden Grand Prix (Osaka, JPN)**

date	19-May-19	time	5.77	10.33	15.25	20.57	20.57
reaction time	0.166	interval		4.56	4.92	5.32	
wind	-0.4 m/s	velocity	8.67	10.96	10.16	9.40	9.72

*Hirokawa (2019) - research on athlete performance and technique- 2019 data book*

	8 / 3			
# of strides	10.33	10.24	0.09	
	96.0	9.68	9.77	

**Benjamin, Rai (USA) (1997)**

<b>FINAL - 2021 Prefontaine Classic (Eugene, OR)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
date	21-Aug-21	time	5.8	10.5	15.2	20.16	20.16		
reaction time	0.174	interval		4.70	4.70	4.96			
wind	1.5 m/s	velocity	8.62	10.64	10.64	10.08	9.92		

*Omega Timing (2021) - diamond league race analysis*

	5 / 5			
# of strides	10.50	9.66	0.84	
	81.2	9.52	10.35	

**Bennett-Jackson, Wade (GBR) (1987)**

<b>B FINAL - 2012 Great CityGames (Manchester, GBR) (150m straightaway)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
date	20-May-12	time	10.63	15.87		15.87			
reaction time		interval		5.24					

*Jalava (2012) - www.tilastopaja.org*

	/ 4			
# of strides	10.63			

wind -0.5 m/s velocity 9.41 9.54 9.45 9.41

**Berrian, Chris (USA) (1983)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
**Heat 2 - 2008 USA Olympic Trials (Eugene, USA)** *USATF Women's Sprint Development with HPC (2008)*

date 04-Jul-08 time 5.91 10.56 15.41 20.74 20.74 7 / 4  
 reaction time interval 4.65 4.85 5.33 # of strides 10.56 10.18 0.38  
 wind 0.8 m/s velocity 8.46 10.75 10.31 9.38 9.64 85.5 9.47 9.82

**FINAL - 2006 USATF National Championships (Indianapolis, IN)** *USATF Women's Sprint Development (2006)*

date 25-Jun-06 time 5.90 10.66 15.43 20.40 20.40 8 / 6  
 reaction time interval 4.76 4.77 4.97 # of strides 10.66 9.74 0.92  
 wind 0.3 m/s velocity 8.47 10.50 10.48 10.06 9.80 9.38 10.27

**Beysens, Kristof (BEL) (1983)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
**Semi-Final 2 - 2007 IAAF World Championships (Osaka, JPN)** *Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date 29-Aug-07 time 5.93 10.48 15.34 20.53 20.53 8 / 7  
 reaction time 0.152 interval 4.55 4.86 5.19 # of strides 10.48 10.05 0.43  
 wind -0.4 m/s velocity 8.43 10.99 10.29 9.63 9.74 88.0 9.54 9.95

**Quarter-Final 4 - 2007 IAAF World Championships (Osaka, JPN)** *Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date 28-Aug-07 time 5.96 10.50 15.38 20.52 20.52 7 / 3  
 reaction time 0.149 interval 4.54 4.88 5.14 # of strides 10.50 10.02 0.48  
 wind 0.6 m/s velocity 8.39 11.01 10.25 9.73 9.75 88.0 9.52 9.98

**FINAL - 2007 European Cup (Munich, GER)** *Graubner (2007) - <http://www.fgs.uni-halle.de>*

date 24-Jun-07 time 10.60 15.41 20.53 20.53 / 5  
 reaction time 0.225 interval 4.81 5.12 # of strides 10.60 9.93 0.67  
 wind 1.0 m/s velocity 9.43 10.40 9.77 9.74 9.43 10.07

**Bie Ge (CHN) (1992)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
**FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN)** *Jiang (2019) - data analysis men's sprint finals the world championships trials*

date 03-Aug-19 time 6.05 10.70 15.73 21.20 21.20 3 / 5  
 reaction time interval 4.65 5.03 5.47 # of strides 10.70 10.50 0.20  
 wind 0.0 m/s velocity 8.26 10.75 9.94 9.14 9.43 9.35 9.52

**FINAL - 2017 National Games (Tianjin, CHN)** *Jiang (2017.09.05) - <https://twitter.com/pjvazael>*

date 05-Sep-17 time 10.57 20.78 20.78 / 3  
 reaction time interval 10.21 # of strides 10.57 10.21 0.36  
 wind -0.2 m/s velocity 9.46 9.79 9.62 9.46 9.79

**Bittner, Daniel (GER) (1971)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
**Heat 1 - 1998 European Championships (Budapest, HUN)** *Veney - split times from PJ*

date 20-Aug-98 time 5.94 10.73 15.71 21.06 21.09 / 5  
 reaction time interval 4.79 4.98 5.35 # of strides 10.73 10.33 0.40  
 wind -1.2 m/s velocity 8.42 10.44 10.04 9.35 9.48 9.32 9.68

**FINAL - 1997 European Cup (Munich GER)** *Federle (2009) - <http://www.fgs.uni-halle.de>*

date 22-Jun-97 time 5.94 10.73 15.71 21.06 21.06 / 7  
 reaction time interval 4.79 4.98 5.35 # of strides 10.73 10.33 0.40  
 wind 0.7 m/s velocity 8.42 10.44 10.04 9.35 9.50 9.32 9.68

**Black, Larry (USA) (1951)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
**FINAL - 1972 Olympic Games (Munich, FRG)** *Gundlach (1973) - beobachtungsergebnisse in der leichtathletik*

date 04-Sep-72 time 10.41 15.13 20.19 20.19 1 / 2  
 reaction time interval 4.72 5.06 # of strides 10.41 9.78 0.63  
 wind 0.0 m/s velocity 9.61 10.59 9.88 9.91 93.0 9.61 10.22

**Blake, Jerome (CAN) (1995)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
**FINAL - 2024 Meeting de Paris (Paris, FRA)** *Omega Timing (2024) - diamond league race analysis*

date 07-Jul-24 time 5.99 10.74 15.66 20.82 20.82 1 / 5  
 reaction time 0.146 interval 4.75 4.92 5.16 # of strides 10.74 10.08 0.66  
 wind -0.4 m/s velocity 8.35 10.53 10.16 9.69 9.61 85.0 9.31 9.92

**Semi-Final 1 - 2022 World Athletics Championships (Eugene, OR)** *Timing by Seiko (2022) - world athletics championships race analysis*

date 19-Jul-22 time 10.58 20.29 20.29 8 / 3  
 reaction time 0.139 interval 9.71 # of strides 10.58 9.71 0.87

wind -0.1 m/s velocity 9.45 10.30 9.86 82.7 9.45 10.30

**Heat 1 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date 18-Jul-22 time 10.59 20.30 20.30 5 / 3  
 reaction time 0.126 interval 9.71 # of strides 10.59 9.71 0.88  
 wind 1.0 m/s velocity 9.44 10.30 9.85 83.0 9.44 10.30

**FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)***Omega Timing (2022) - diamond league race analysis*

date 05-Jun-22 time 5.94 10.63 15.51 20.74 20.74 6 / 5  
 reaction time 0.175 interval 4.69 4.88 5.23 # of strides 10.63 10.11 0.52  
 wind 2.0 m/s velocity 8.42 10.66 10.25 9.56 9.64 83.5 9.41 9.89

**FINAL - 2022 Doha Diamond League (Doha, QAT)***Omega Timing (2022) - diamond league race analysis*

date 13-May-22 time 5.9 10.5 15.1 20.25 20.25 2 / 6  
 reaction time 0.135 interval 4.60 4.60 5.15 # of strides 10.50 9.75 0.75  
 wind 2.1 m/s velocity 8.47 10.87 10.87 9.71 9.88 83.0 9.52 10.26

**FINAL - 2021 Prefontaine Classic (Eugene, OR)***Omega Timing (2021) - diamond league race analysis*

date 21-Aug-21 time 6.0 10.7 15.4 20.20 20.20 2 / 6  
 reaction time 0.152 interval 4.70 4.70 4.80 **PB** # of strides 10.70 9.50 1.20  
 wind 1.5 m/s velocity 8.33 10.64 10.64 10.42 9.90 83.0 9.35 10.53

**Blake, Keenan (NED) (2003)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**National FINAL - 2024 FBK Games (Hengelo, NED)***Omega Timing (2024) - continental tour gold race analysis*

date 07-Jul-24 time 6.20 11.04 16.10 21.46 21.46 4 / 2  
 reaction time 0.134 interval 4.84 5.06 5.36 # of strides 11.04 10.42 0.62  
 wind -0.3 m/s velocity 8.06 10.33 9.88 9.33 9.32 9.06 9.60

**Blake, Yohan (JAM) (1989)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**Heat 5 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date 18-Jul-22 time 10.55 20.35 20.35 3 / 4  
 reaction time 0.124 interval 9.80 # of strides 10.55 9.80 0.75  
 wind 0.4 m/s velocity 9.48 10.20 9.83 90.2 9.48 10.20

**Semi-Final 2 - 2017 IAAF World Championships (London, GBR)***Pollitt (2018) - biomechanical report/IAAF World Champs- London 2017- Men's 200m*

date 09-Aug-17 time 10.25 15.00 20.35 20.52 7 / 3  
 reaction time 0.165 interval 4.75 5.35 # of strides 10.25 10.10 0.15  
 wind -0.3 m/s velocity 9.76 10.53 9.35 9.75 91.0 9.76 9.90

**FINAL - 2012 Olympic Games (London, GBR)***Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016*

date 09-Aug-12 time 10.19 19.44 19.44 4 / 2  
 reaction time 0.172 interval 9.25 # of strides 10.19 9.25 0.94  
 wind 0.4 m/s velocity 9.81 10.81 10.29 88.5 9.81 10.81

**FINAL - 2011 Van Damme Memorial (Bruxelles, BEL) (& Ferrara) (2017) - speedendurance.com/2017/07/14/200m-splits-from-usa-national-championships/**

date 16-Sep-11 time 10.14 19.26 19.26 7 / 1  
 reaction time 0.269 interval 9.12 **PB** # of strides 10.14 9.12 1.02  
 wind 0.7 m/s velocity 9.86 10.96 10.38 87.5 9.86 10.96

**Blaskowski, Sam (USA) (2002)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**Semi-Final 2 - 2024 USA Olympic Trials (Eugene, OR)***USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date 28-Jun-24 time 5.89 10.60 15.49 20.58 20.58 3 / 6  
 reaction time interval 4.71 4.89 5.09 # of strides 10.60 9.98 0.62  
 wind 0.7 m/s velocity 8.49 10.62 10.22 9.82 9.72 88.2 9.43 10.02

**Heat 1 - 2024 USA Olympic Trials (Eugene, OR)***USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date 27-Jun-24 time 5.85 10.61 15.47 20.61 20.61 2 / 6  
 reaction time interval 4.76 4.86 5.14 # of strides 10.61 10.00 0.61  
 wind 0.3 m/s velocity 8.55 10.50 10.29 9.73 9.70 9.43 10.00

**Bloomfield, Akeem (JAM) (1997)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**Heat 3 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date 18-Jul-22 time 10.79 20.56 20.56 2 / 5  
 reaction time 0.166 interval 9.77 # of strides 10.79 9.77 1.02  
 wind 2.1 m/s velocity 9.27 10.24 9.73 82.2 9.27 10.24

**Blume, Marc (GER) (1973)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

**FINAL - 2001 European Cup (Bremen GER)**Graubner (2007) - <http://www.fgs.uni-halle.de>

date	24-Jun-01	time	5.87	10.62	15.63	21.14	21.14	/ 6			
reaction time	0.117	interval		4.75	5.01	5.51		# of strides	10.62	10.52	0.10
wind	-0.7 m/s	velocity	8.52	10.53	9.98	9.07	9.46		9.42	9.51	

**Boateng, Nelson (GHA) (1968)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**Semi-Final 1 - 1993 IAAF World Championships (Stuttgart, GER)**

Veney - split times from PJ

date	19-Aug-93	time	6.00	10.67	15.45	20.52	20.52	2 / 5			
reaction time		interval		4.67	4.78	5.07	<b>PB</b>	# of strides	10.67	9.85	0.82
wind	0.6 m/s	velocity	8.33	10.71	10.46	9.86	9.75		9.37	10.15	

**Boček, Tomáš (CZE) (1993)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**Heat 2 - 2013 Czech Republic National Championships (Tábor, CZE)**

Feher (2013) - Final report men's &amp; women's Czech Republic national champs

date	16-Jun-13	time	6.35	11.35	16.68	22.34	22.34	2 / 7			
reaction time	0.176	interval		5.00	5.33	5.66		# of strides	11.35	10.99	0.36
wind	0.8 m/s	velocity	7.87	10.00	9.38	8.83	8.95		8.81	9.10	

**Bodrov, Igor (UKR) (1987)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL - 2007 European Cup (Munich, GER)**Graubner (2007) - <http://www.fgs.uni-halle.de>

date	24-Jun-07	time		10.59	15.53	20.91	20.91	/ 8			
reaction time	0.159	interval			4.94	5.38		# of strides	10.59	10.32	0.27
wind	1.0 m/s	velocity		9.44	10.12	9.29	9.56		9.44	9.69	

**Boldon, Ato (TTO) (1973)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL - 1997 IAAF World Championships (Athens, GRE)**

Ritzdorf (1997) - biomechanical research project at VIth world championships in athletics

date	08-Aug-97	time	5.69	10.23	15.01	19.91	20.04	3 / 1			
reaction time	0.132	interval		4.54	4.78	4.90		# of strides	10.23	9.68	0.55
wind	2.3 m/s	velocity	8.79	11.01	10.46	10.20	9.98	88.2	9.78	10.33	

**FINAL - 1996 Olympic Games (Atlanta, GA)**

Veney - split times from PJ

date	01-Aug-96	time		10.18	14.84	19.80	19.80	6 / 3			
reaction time	0.208	interval			4.66	4.96	<b>PB</b>	# of strides	10.18	9.62	0.56
wind	0.4 m/s	velocity		9.82	10.73	10.08	10.10	87.4	9.82	10.40	

**Bolt, Usain (JAM) (1986)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL - 2016 Olympic Games (Rio de Janeiro, BRA)**

Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad

date	18-Aug-16	time	5.67	10.13	14.77	19.78	19.78	6 / 1			
reaction time	0.156	interval		4.46	4.64	5.01		# of strides	10.13	9.65	0.48
wind	-0.5 m/s	velocity	8.82	11.21	10.78	9.98	10.11	80.0	9.87	10.36	

**Semi-Final 2 - 2016 Olympic Games (Rio de Janeiro, BRA)**

Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad

date	17-Aug-16	time	5.71	10.20	14.83	19.78	19.78	4 / 1			
reaction time	0.156	interval		4.49	4.63	4.95		# of strides	10.20	9.58	0.62
wind	-0.3 m/s	velocity	8.76	11.14	10.80	10.10	10.11		9.80	10.44	

**Heat 9 - 2016 Olympic Games (Rio de Janeiro, BRA)**

Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad

date	16-Aug-16	time	5.79	10.34	15.08	20.28	20.28	5 / 1			
reaction time		interval		4.55	4.74	5.20		# of strides	10.34	9.94	0.40
wind	0.6 m/s	velocity	8.64	10.99	10.55	9.62	9.86	78.2	9.67	10.06	

**FINAL - 2016 London Anniversary Games (London, GBR)**(2016.07.23) - [https://twitter.com/touchdown\\_time/media?lang=en&lang=en&lang=en&lang=en](https://twitter.com/touchdown_time/media?lang=en&lang=en&lang=en&lang=en)

date	22-Jul-16	time		10.17		19.89	19.89	6 / 1			
reaction time	0.157	interval				9.72		# of strides	10.17	9.72	0.45
wind	-0.3 m/s	velocity		9.83		10.29	10.06		9.83	10.29	

**FINAL - 2015 IAAF World Championships (Beijing, CHN)**

Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015

date	27-Aug-15	time	5.67	10.05	14.62	19.55	19.55	6 / 1			
reaction time	0.147	interval		4.38	4.57	4.93		# of strides	10.05	9.50	0.55
wind	-0.1 m/s	velocity	8.82	11.42	10.94	10.14	10.23	80.0	9.95	10.53	

**Semi-Final 3 - 2015 IAAF World Championships (Beijing, CHN)**

Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015

date	26-Aug-15	time	5.75	10.28	14.89	19.95	19.95	7 / 1			
reaction time	0.171	interval		4.53	4.61	5.06		# of strides	10.28	9.67	0.61
wind	0.8 m/s	velocity	8.70	11.04	10.85	9.88	10.03	78.2	9.73	10.34	

**Heat 3 - 2015 IAAF World Championships (Beijing, CHN)**

Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015

date	25-Aug-15	time	5.78	10.30	15.06	20.28	20.28	4 / 1			
reaction time		interval		4.52	4.76	5.22		# of strides	10.30	9.98	0.32
wind	0.1 m/s	velocity	8.65	11.06	10.50	9.58	9.86	78.5	9.71	10.02	
<b>FINAL - 2012 Olympic Games (London, GBR)</b>			<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>								
date	09-Aug-12	time		10.00		19.32	19.32	7 / 1			
reaction time	0.180	interval				9.32		# of strides	10.00	9.32	0.68
wind	0.4 m/s	velocity		10.00		10.73	10.35	79.5	10.00	10.73	
<b>FINAL - 2011 IAAF World Championships (Daegu, KOR)</b>			<i>KSSB (2011) - biomechanical analysis of men's 200m (final)</i>								
date	03-Sep-11	time	5.53	9.97	14.54	19.40	19.40	3 / 1			
reaction time	0.193	interval		4.44	4.57	4.86		# of strides	9.97	9.43	0.54
wind	0.8 m/s	velocity	9.04	11.26	10.94	10.29	10.31	79.2	10.03	10.60	
<b>Semi-Final 2 - 2011 IAAF World Championships (Daegu, KOR)</b>			<i>KSSB (2011) - biomechanical research project report iaaf world championships 2011</i>								
date	02-Sep-11	time	5.64	10.23	14.98	20.31	20.31	6 / 1			
reaction time	0.207	interval		4.59	4.75	5.33		# of strides	10.23	10.08	0.15
wind	-1.0 m/s	velocity	9.75	9.80	9.89	9.94	9.85	79.2	9.78	9.92	
<b>FINAL - 2009 IAAF World Championships (Berlin, GER)</b>			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	20-Aug-09	time	5.60	9.92	14.44	19.19	19.19	5 / 1			
reaction time	0.133	interval		4.32	4.52	4.75	<b>WR</b>	# of strides	9.92	9.27	0.65
wind	-0.3 m/s	velocity	8.93	11.57	11.06	10.53	10.42	79.9	10.08	10.79	
<b>Semi-Final 1 - 2009 IAAF World Championships (Berlin, GER)</b>			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	19-Aug-09	time	5.74	10.14	14.86	20.08	20.08	3 / 1			
reaction time	0.177	interval		4.40	4.72	5.22		# of strides	10.14	9.94	0.20
wind	0.0 m/s	velocity	8.71	11.36	10.59	9.58	9.96	79.2	9.86	10.06	
<b>Quarter-Final 1 - 2009 IAAF World Championships (Berlin, GER)</b>			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	18-Aug-09	time	5.71	10.35	15.22	20.41	20.41	3 / 1			
reaction time	0.164	interval		4.64	4.87	5.19		# of strides	10.35	10.06	0.29
wind	0.0 m/s	velocity	8.76	10.78	10.27	9.63	9.80		9.66	9.94	
<b>Heat 5 - 2009 IAAF World Championships (Berlin, GER)</b>			<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>								
date	18-Aug-09	time	5.93	10.67	15.55	20.70	20.70	5 / 1			
reaction time	0.183	interval		4.74	4.88	5.15		# of strides	10.67	10.03	0.64
wind	-0.2 m/s	velocity	8.43	10.55	10.25	9.71	9.66		9.37	9.97	
<b>FINAL - 2009 Great CityGames (Manchester, GBR) (150m straightaway)</b>			<i>(2009) - www.greatcitygames.org/Results/2009_gcgm.aspx</i>								
date	17-May-09	time	5.65	9.91	14.35		14.35	3 / 1			<b>50-150m</b>
reaction time		interval		4.26	4.44		<b>WB</b>	# of strides	9.91		8.70
wind	1.1 m/s	velocity	8.85	11.74	11.26		10.45		10.09		11.49
<b>FINAL - 2008 Olympic Games (Beijing, CHN)</b>			<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>								
date	20-Aug-08	time		9.98		19.30	19.30	5 / 1			
reaction time	0.182	interval				9.32	<b>WR</b>	# of strides	9.98	9.32	0.66
wind	-0.9 m/s	velocity		10.02		10.73	10.36	79.7	10.02	10.73	
<b>FINAL - 2007 IAAF World Championships (Osaka, JPN)</b>			<i>Ae (2008) - IAAF biomechanics team - a booklet of biomechanics data</i>								
date	30-Aug-07	time	5.69	10.15	14.85	19.91	19.91	5 / 2			
reaction time	0.159	interval		4.46	4.70	5.06		# of strides	10.15	9.76	0.39
wind	-0.8 m/s	velocity	8.79	11.21	10.64	9.88	10.05	81.0	9.85	10.25	
<b>Semi-Final 1 - 2007 IAAF World Championships (Osaka, JPN)</b>			<i>Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs</i>								
date	29-Aug-07	time	5.78	10.27	14.99	20.03	20.03	6 / 1			
reaction time	0.169	interval		4.49	4.72	5.04		# of strides	10.27	9.76	0.51
wind	-0.4 m/s	velocity	8.65	11.14	10.59	9.92	9.99	80.2	9.74	10.25	
<b>Quarter-Final 2 - 2007 IAAF World Championships (Osaka, JPN)</b>			<i>Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs</i>								
date	28-Aug-07	time	5.75	10.20	14.93	20.13	20.13	7 / 1			
reaction time	0.175	interval		4.45	4.73	5.20		# of strides	10.20	9.93	0.27
wind	-0.3 m/s	velocity	8.70	11.24	10.57	9.62	9.94	80.0	9.80	10.07	

**Bookman, Leo (USA) (1982)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL - 2005 USATF National Championships (Carson, CA)**      *USATF Women's Sprint Development (2005)*

*WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation*

date	26-Jun-05	time	5.77	10.36	15.25	20.49	20.49	8 / 6			
reaction time		interval		4.59	4.89	5.24		# of strides	10.36	10.13	0.23
wind	-0.9 m/s	velocity	8.67	10.89	10.22	9.54	9.76	87.0	9.65	9.87	

**Semi-Final 2 - 2004 USA Olympic Trials (Sacramento, CA)**

USATF Women's Sprint Development (2004)

date	17-Jul-04	time	5.91	10.64	15.46	20.66	20.66	8 / 6			
reaction time		interval		4.73	4.82	5.20		# of strides	10.64	10.02	0.62
wind	0.1 m/s	velocity	8.46	10.57	10.37	9.62	9.68		9.40	9.98	

**Borlée, Jonathan (BEL) (1988)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL - 2020 Memorial Van Damme (Brussels, BEL)** Omega Timing (2020) - diamond league race analysis

date	04-Sep-20	time	6.1	11.0	15.9	21.30	21.30	5 / 7			
reaction time	0.134	interval		4.90	4.90	5.40		# of strides	11.00	10.30	0.70
wind	0.1 m/s	velocity	8.20	10.20	10.20	9.26	9.39	88.0	9.09	9.71	

**Borzov, Valeriy (URS) (1949)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL - 1972 Olympic Games (Munich, FRG)** Gundlach (1973) - beobachtungsergebnisse in der leichtathletik

date	04-Sep-72	time		10.40	15.05	20.00	20.00	5 / 1			
reaction time		interval			4.65	4.95	NR	# of strides	10.40	9.60	0.80
wind	0.0 m/s	velocity		9.62	10.75	10.10	10.00	88.5	9.62	10.42	

**FINAL - 1971 European Championships (Helsinki, FIN)**

(1971) - Walerij Borsow - ein souveräner Europameister

date	13-Aug-71	time		10.5		20.31	20.31	1 / 1			
reaction time		interval				9.81	CR / PB	# of strides	10.50	9.81	0.69
wind	0.0 m/s	velocity		9.52		10.19	9.85		9.52	10.19	

**Bossé, Béranger (CAF) (1985)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**C FINAL - 2008 Windsprint (Sundsvall, SWE)** (2008) - www.ssg.se/en/Windsprint/Split-times/

date	06-Jul-08	time		10.92	16.15	21.83	21.83	4 / 2			
reaction time		interval			5.23	5.68		# of strides	10.92	10.91	0.01
wind	0.8 m/s	velocity		9.16	9.56	8.80	9.16		9.16	9.17	

**Boussemart, Jean-Jacques (FRA) (19)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL - 1984 Olympic Games (Los Angeles, CA)** Vogel (1984) - olympische spiele in los angeles

date	08-Aug-84	time		10.58		20.55	20.55	2 / 6			
reaction time	0.191	interval				9.97		# of strides	10.58	9.97	0.61
wind	-0.9 m/s	velocity		9.45		10.03	9.73		9.45	10.03	

**Bradley, Gentry (USA) (1974)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**Semi-Final 1 - 1996 USA Olympic Trials (Atlanta, GA)** USATF Women's Sprint Development (1996)

date	23-Jun-96	time		10.69	15.28	20.20	20.20	1 / 5			
reaction time		interval			4.59	4.92		# of strides	10.69	9.51	1.18
wind	2.7 m/s	velocity		9.35	10.89	10.16	9.90		9.35	10.52	

**Quarter-Final 3 - 1996 USA Olympic Trials (Atlanta, GA)**

Hymans (2020) - history of the US olympic trials - track and field

date	22-Jun-96	time		10.63		20.34	20.34	1 / 4			
reaction time		interval				9.71		# of strides	10.63	9.71	0.92
wind	0.7 m/s	velocity		9.41		10.30	9.83		9.41	10.30	

**Heat 2 - 1996 USA Olympic Trials (Atlanta, GA)**

Hymans (2020) - history of the US olympic trials - track and field

date	21-Jun-96	time		10.55		20.48	20.48	1 / 3			
reaction time		interval				9.93		# of strides	10.55	9.93	0.62
wind	0.3 m/s	velocity		9.48		10.07	9.77		9.48	10.07	

**Branco, Zane (AUS) (2000)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL - 2018 IAAF World Junior Championships (Tampere, FIN)** Koyama (2018) - research on athlete performance and technique- 2018 data book

date	13-Jul-18	time	5.97	10.60	15.54	20.86	20.86	4 / 5			
reaction time	0.159	interval		4.63	4.94	5.32		# of strides	10.60	10.26	0.34
wind	-0.1 m/s	velocity	8.38	10.80	10.12	9.40	9.59		9.43	9.75	

**Bridgewater, Brian (USA) (1970)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)** USATF Women's Sprint Development (1996)

date	23-Jun-96	time		10.66	15.42	20.52	20.52	2 / 6			
reaction time		interval			4.76	5.10		# of strides	10.66	9.86	0.80
wind	-0.3 m/s	velocity		9.38	10.50	9.80	9.75		9.38	10.14	

**Quarter-Final 1 - 1996 USA Olympic Trials (Atlanta, GA)**

date	22-Jun-96	time	10.51	20.43	20.43
reaction time		interval		9.92	
wind	2.4 m/s	velocity	9.51	10.08	9.79

*Hymans (2020) - history of the US olympic trials - track and field*

/ 3			
# of strides	10.51	9.92	0.59
	9.51	10.08	

**Heat 1 - 1996 USA Olympic Trials (Atlanta, GA)**

date	21-Jun-96	time	10.53	20.57	20.57
reaction time		interval		10.04	
wind	1.1 m/s	velocity	9.50	9.96	9.72

*Hymans (2020) - history of the US olympic trials - track and field*

/ 5			
# of strides	10.53	10.04	0.49
	9.50	9.96	

**Briňarsky, Martin (SVK) (1976)**

<b>Semi-Final 1 - 2002 European Championships (Munich, GER)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>		
date	09-Aug-02	time	6.07	10.85	15.71	20.97	20.97	/ 5
reaction time	0.141	interval	4.78	4.86	5.26			# of strides
wind	-0.5 m/s	velocity	8.24	10.46	10.29	9.51	9.54	

*Graubner (2009) - http://www.fgs.uni-halle.de*

	10.85	10.12	0.73
	9.22	9.88	

**Heat 2 - 2002 European Championships (Munich, GER)**

date	08-Aug-02	time	10.71	15.55	20.75	20.75
reaction time	0.102	interval		4.84	5.20	
wind	-0.2 m/s	velocity	9.34	10.33	9.62	9.64

*Graubner (2009) - http://www.fgs.uni-halle.de*

/ 2			
# of strides	10.71	10.04	0.67
	9.34	9.96	

**Bringmann, Steffen (GDR) (1964)**

<b>FINAL - 1989 IAAF World Cup (Barcelona, ESP)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	
date	10-Sep-89	time	10.61	15.55	20.74	20.74	/ 6
reaction time	0.172	interval	4.94	5.19	<b>PB</b>		# of strides
wind	1.9 m/s	velocity	9.43	10.12	9.63	9.64	

*Pascua (1990) - atletismo (I) carreras y marcha*

	10.61	10.13	0.48
	9.43	9.87	

**Broer, Rodrigo (NED) (1996)**

<b>National FINAL - 2024 FBK Games (Hengelo, NED)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>		
date	07-Jul-24	time	6.28	11.22	16.30	21.90	21.90	8 / 6
reaction time	0.205	interval	4.94	5.08	5.60			# of strides
wind	-0.3 m/s	velocity	7.96	10.12	9.84	8.93	9.13	

*Omega Timing (2024) - continental tour gold race analysis*

	11.22	10.68	0.54
	8.91	9.36	

**Brokenburr, Kenny (USA) (1968)**

<b>FINAL - 2003 USATF National Championships (Palo Alto, CA)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>		
date	22-Jun-03	time	5.91	10.58	15.25	20.25	20.25	7 / 4
reaction time		interval	4.67	4.67	5.00			# of strides
wind	0.1 m/s	velocity	8.46	10.71	10.71	10.00	9.88	

*USATF Women's Sprint Development (2003)*

	10.58	9.67	0.91
	9.45	10.34	

**Brouwer, Mika (NED) (2002)**

<b>National FINAL - 2024 FBK Games (Hengelo, NED)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>		
date	07-Jul-24	time	6.14	11.17	16.45	22.12	22.12	2 / 7
reaction time	0.167	interval	5.03	5.28	5.67			# of strides
wind	-0.3 m/s	velocity	8.14	9.94	9.47	8.82	9.04	

*Omega Timing (2024) - continental tour gold race analysis*

	11.17	10.95	0.22
	8.95	9.13	

**Brown, Aaron (CAN) (1992)**

<b>Semi-Final 2 - 2024 Olympic Games (Paris, FRA)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>		
date	07-Aug-24	time	5.78	10.41	15.30	20.57	20.57	3 / 7
reaction time	0.138	interval	4.63	4.89	5.27			# of strides
wind	-0.2 m/s	velocity	8.65	10.80	10.22	9.49	9.72	90.0

*Paris 2024 Olympic Games - Results Book (2024)*

	10.41	10.16	0.25
	9.61	9.84	

**Repechage 3 - 2024 Olympic Games (Paris, FRA)**

date	06-Aug-24	time	5.83	10.46	15.31	20.42	20.42	4 / 2
reaction time	0.158	interval	4.63	4.85	5.11			# of strides
wind	0.0 m/s	velocity	8.58	10.80	10.31	9.78	9.79	90.0

*Paris 2024 Olympic Games - Results Book (2024)*

	10.46	9.96	0.50
	9.56	10.04	

**Heat 5 - 2024 Olympic Games (Paris, FRA)**

date	05-Aug-24	time	5.82	10.44	15.26	20.36	20.36	2 / 4
reaction time	0.158	interval	4.62	4.82	5.10			# of strides
wind	0.2 m/s	velocity	8.59	10.82	10.37	9.80	9.82	88.0

*Paris 2024 Olympic Games - Results Book (2024)*

	10.44	9.92	0.52
	9.58	10.08	

**FINAL - 2024 Prefontaine Classic (Eugene, OR)**

date	25-May-24	time	5.86	10.53	15.35	20.47	20.47	4 / 6
reaction time	0.143	interval	4.67	4.82	5.12			# of strides
wind	1.8 m/s	velocity	8.53	10.71	10.37	9.77	9.77	89.5

*Omega Timing (2024) - diamond league race analysis*

	10.53	9.94	0.59
	9.50	10.06	

**FINAL - 2024 Seashore Doha Meeting (Doha, QAT)***Omega Timing (2024) - diamond league race analysis*

date	10-May-24	time	5.78	10.43	15.20	20.29	20.29	5 / 5			
reaction time	0.136	interval		4.65	4.77	5.09		# of strides	10.43	9.86	0.57
wind	1.7 m/s	velocity	8.65	10.75	10.48	9.82	9.86	89.0	9.59	10.14	

**FINAL - 2023 Prefontaine Classic (Eugene, OR)***Omega Timing (2023) - diamond league race analysis*

date	17-Sep-23	time	5.80	10.40	15.18	20.23	20.23	5 / 6			
reaction time	0.143	interval		4.60	4.78	5.05		# of strides	10.40	9.83	0.57
wind	0.6 m/s	velocity	8.62	10.87	10.46	9.90	9.89	90.0	9.62	10.17	

**FINAL - 2023 Memorial van Damme (Brussels, BEL)***Omega Timing (2023) - diamond league race analysis*

date	08-Sep-23	time	5.82	10.35	15.01	19.98	19.98	4 / 4			
reaction time	0.148	interval		4.53	4.66	4.97		# of strides	10.35	9.63	0.72
wind	-0.1 m/s	velocity	8.59	11.04	10.73	10.06	10.01	90.0	9.66	10.38	

**FINAL - 2023 Weltklasse (Zürich, SUI)***Omega Timing (2023) - diamond league race analysis*

date	31-Aug-23	time	5.79	10.36		20.39	20.39	3 / 6			
reaction time	0.157	interval		4.57		10.03		# of strides	10.36	10.03	0.33
wind	-0.5 m/s	velocity	8.64	10.94		9.97	9.81	89.5	9.65	9.97	

**Semi-Final 2 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	24-Aug-23	time		10.48		20.17	20.17	8 / 3		no official time	
reaction time	0.145	interval				9.69	<b>DQ</b>	# of strides	10.48	9.69	0.79
wind	0.0 m/s	velocity		9.54		10.32	9.92	191.0	9.54	10.32	

**Heat 1 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time		10.78		20.08	20.08	2 / 2			
reaction time	0.154	interval				9.30		# of strides	10.78	9.30	1.48
wind	0.0 m/s	velocity		9.28		10.75	9.96	89.0	9.28	10.75	

**FINAL - 2023 Athletissima (Lausanne, SUI)***Omega Timing (2023) - diamond league race analysis*

date	30-Jun-23	time	5.75	10.37	15.18	20.44	20.44	4 / 5			
reaction time	0.140	interval		4.62	4.81	5.26		# of strides	10.37	10.07	0.30
wind	-1.4 m/s	velocity	8.70	10.82	10.40	9.51	9.78	91.0	9.64	9.93	

**FINAL - 2023 Golden Gala Pietro Mennea (Firenze, ITA)***Omega Timing (2023) - diamond league race analysis*

date	02-Jun-23	time	5.82	10.39	15.18	20.31	20.31	4 / 3			
reaction time	0.150	interval		4.57	4.79	5.13		# of strides	10.39	9.92	0.47
wind	0.0 m/s	velocity	8.59	10.94	10.44	9.75	9.85	90.0	9.62	10.08	

**FINAL - 2023 Doha Diamond League (Doha, QAT)***Omega Timing (2023) - diamond league race analysis*

date	05-May-23	time	5.91	10.36	15.08	20.20	20.20	4 / 3			
reaction time	0.157	interval		4.45	4.72	5.12		# of strides	10.36	9.84	0.52
wind	0.3 m/s	velocity	8.46	11.24	10.59	9.77	9.90	90.5	9.65	10.16	

**FINAL - 2022 Weltklasse (Zürich, SUI)***Omega Timing (2022) - diamond league race analysis*

date	08-Sep-22	time	5.82	10.35	15.04	20.02	20.02	2 / 2			
reaction time	0.148	interval		4.53	4.69	4.98		# of strides	10.35	9.67	0.68
wind	-0.6 m/s	velocity	8.59	11.04	10.66	10.04	9.99	91.0	9.66	10.34	

**FINAL - 2022 Memorial van Damme (Brussels, BEL)***Omega Timing (2022) - diamond league race analysis*

date	02-Sep-22	time	5.82	10.40	15.12	20.22	20.22	8 / 3			
reaction time	0.129	interval		4.58	4.72	5.10		# of strides	10.40	9.82	0.58
wind	-2.9 m/s	velocity	8.59	10.92	10.59	9.80	9.89	91.5	9.62	10.18	

**FINAL - 2022 Herculis Meeting International d'Athlétisme (Monaco, MON)***Omega Timing (2022) - diamond league race analysis*

date	10-Aug-22	time	5.78	10.40	15.04	20.23	20.23	8 / 5			
reaction time	0.168	interval		4.62	4.64	5.19		# of strides	10.40	9.83	0.57
wind	0.8 m/s	velocity	8.65	10.82	10.78	9.63	9.89	91.2	9.62	10.17	

**FINAL - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	21-Jul-22	time		10.38		20.18	20.18	8 / 7			
reaction time	0.143	interval				9.80		# of strides	10.38	9.80	0.58
wind	0.4 m/s	velocity		9.63		10.20	9.91	92.0	9.63	10.20	

**Semi-Final 3 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	19-Jul-22	time		10.46		20.10	20.10	8 / 2			
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reaction time	0.152	interval		9.64		# of strides	10.46	9.64	0.82
wind	0.3 m/s	velocity	9.56	10.37	9.95	91.7	9.56	10.37	

**Heat 2 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	18-Jul-22	time	10.58	20.60	20.60	5 / 2			
reaction time	0.138	interval		10.02		# of strides	10.58	10.02	0.56
wind	0.0 m/s	velocity	9.45	9.98	9.71	91.0	9.45	9.98	

**FINAL - 2022 Doha Diamond League (Doha, QAT)***Omega Timing (2022) - diamond league race analysis*

date	13-May-22	time	5.8	10.4	15.1	20.18	20.18	4 / 5	
reaction time	0.155	interval		4.60	4.70	5.08		# of strides	10.40
wind	2.1 m/s	velocity	8.62	10.87	10.64	9.84	9.91	90.0	9.62
									10.22

**FINAL - 2021 Weltklasse (Zürich, SUI)***Omega Timing (2021) - diamond league race analysis*

date	09-Sep-21	time	5.8	10.4	15.1	20.13	20.13	8 / 4	
reaction time	0.147	interval		4.60	4.70	5.03		# of strides	10.40
wind	0.5 m/s	velocity	8.62	10.87	10.64	9.94	9.94	89.0	9.62
									10.28

**FINAL - 2021 Athletissima (Lausanne, SUI)***Omega Timing (2021) - diamond league race analysis*

date	26-Aug-21	time	5.9	10.5	15.2	20.18	20.18	4 / 4	
reaction time	0.149	interval		4.60	4.70	4.98		# of strides	10.50
wind	3.2 m/s	velocity	8.47	10.87	10.64	10.04	9.91	89.2	9.52
									10.33

**FINAL - 2021 Prefontaine Classic (Eugene, OR)***Omega Timing (2021) - diamond league race analysis*

date	21-Aug-21	time	5.9	10.6	15.3	20.12	20.12	4 / 4	
reaction time	0.144	interval		4.70	4.70	4.82		# of strides	10.60
wind	1.5 m/s	velocity	8.47	10.64	10.64	10.37	9.94	89.0	9.43
									10.50

**FINAL - 2021 Bislett Games (Oslo, NOR)***Omega Timing (2021) - diamond league race analysis*

date	01-Jul-21	time	5.9	10.5	15.2	20.38	20.38	6 / 2	
reaction time	0.149	interval		4.60	4.70	5.18		# of strides	10.50
wind	-1.0 m/s	velocity	8.47	10.87	10.64	9.65	9.81	91.0	9.52
									10.12

**FINAL - 2021 Doha Diamond League (Doha, QAT)***Omega Timing (2021) - diamond league race analysis*

date	28-May-21	time	5.8	10.4	15.1	20.25	20.25	7 / 3	
reaction time	0.146	interval		4.60	4.70	5.15		# of strides	10.40
wind	0.4 m/s	velocity	8.62	10.87	10.64	9.71	9.88	89.7	9.62
									10.15

**FINAL - 2021 Müller Grand Prix (Gateshead, GBR)***Omega Timing (2021) - diamond league race analysis*

date	23-May-21	time	6.3	11.0	16.0	20.79	20.79	6 / 2	
reaction time	0.148	interval		4.70	5.00	4.79		# of strides	11.00
wind	-3.0 m/s	velocity	7.94	10.64	10.00	10.44	9.62	92.0	9.09
									10.21

**FINAL - 2019 Memorial van Damme (Brussels, BEL)***Omega Timing (2019) - diamond league race analysis*

date	06-Sep-19	time	5.8	10.4	15.0	20.00	20.00	4 / 4	
reaction time	0.144	interval		4.6	4.6	5.00		# of strides	10.40
wind	0.8 m/s	velocity	8.62	10.87	10.87	10.00	10.00	88.2	9.62
									10.42

**FINAL - 2019 Meeting de Paris (Paris, FRA)***Omega Timing (2019) - diamond league race analysis*

date	24-Aug-19	time	5.9	10.5	15.2	20.13	20.13	3 / 3	
reaction time	0.141	interval		4.6	4.7	4.93		# of strides	10.50
wind	0.2 m/s	velocity	8.47	10.87	10.64	10.14	9.94	88.5	9.52
									10.38

**FINAL - 2019 Athletissima (Lausanne, SUI)***Omega Timing (2019) - diamond league race analysis*

date	05-Jul-19	time	5.9	10.5	15.1	19.95	19.95	3 / 4	
reaction time	0.137	interval		4.6	4.6	4.85	<b>PB</b>	# of strides	10.50
wind	-0.1 m/s	velocity	8.47	10.87	10.87	10.31	10.03	88.2	9.52
									10.58

**FINAL - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)***Takahashi (2017) - 200m running performance analysis in the 2017 season*

date	21-May-17	time	5.70	10.30	15.13	20.62	20.62	5 / 1	
reaction time	0.130	interval		4.60	4.83	5.49		# of strides	10.30
wind	-2.0 m/s	velocity	8.77	10.87	10.35	9.11	9.70	90.0	9.71
									9.69

**FINAL - 2016 Seiko Golden Grand Prix (Kawasaki, JPN)***Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

date	08-May-16	time	5.70	10.30	15.13	20.32	20.32	6 / 1	
reaction time	0.134	interval		4.60	4.83	5.19		# of strides	10.30
									10.02
									0.28

wind	-0.6 m/s	velocity	8.77	10.87	10.35	9.63	9.84	86.5	9.71	9.98
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<b>Brown, Jermaine (JAM) (1991)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2015 Seiko Golden Grand Prix (Kawasaki, JPN) <i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>											
date	10-May-15	time	5.93	10.61	15.53	20.78	20.78	3 / 4			
reaction time		interval		4.68	4.92	5.25		# of strides	10.61	10.17	0.44
wind	-0.5 m/s	velocity	8.43	10.68	10.16	9.52	9.62	92.2	9.43	9.83	

<b>Brown, Joel (USA) (1980)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2008 IAAF World Athletic Final (Stuttgart, GER) <i>Graubner (2009) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>											
date	14-Sep-08	time	5.98	10.75	15.80	21.23	21.23	1 / 8			
reaction time	0.139	interval		4.77	5.05	5.43		# of strides	10.75	10.48	0.27
wind	-0.1 m/s	velocity	8.36	10.48	9.90	9.21	9.42		9.30	9.54	

<b>Brown, Kemarley (JAM) (1992)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>A FINAL</b> - 2015 Windsprint (Sundsvall, SWE) <i>(2015) - <a href="http://www.windsprint/Splittider/">www.windsprint/Splittider/</a></i>											
date	26-Jul-15	time		11.18	22.69	22.69	5 / 5				
reaction time		interval			11.51			# of strides	11.18	11.51	-0.33
wind	0.4 m/s	velocity		8.94	8.69	8.81			8.94	8.69	

<b>A FINAL</b> - 2014 Windsprint (Sundsvall, SWE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<i>Johansen (2014) - <a href="http://www.ssg.se/windsprint/Splittider/">www.ssg.se/windsprint/Splittider/</a></i>											
date	20-Jul-14	time	10.84		21.40	21.40	4 / 5				
reaction time		interval			10.56			# of strides	10.84	10.56	0.28
wind	1.1 m/s	velocity	9.23		9.47	9.35			9.23	9.47	

<b>Brown, Xavier (JAM) (1983)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>B FINAL</b> - 2009 Great CityGames (Manchester, GBR) (150m straightaway) <i>Jalava (2009) - <a href="http://www.tilastopaja.org">www.tilastopaja.org</a></i>										
date	17-May-09	time	10.57	15.53		15.53	/ 3			
reaction time		interval		4.96		<b>PB</b>		# of strides	10.57	
wind	1.1 m/s	velocity	9.46	10.08		9.66			9.46	

<b>Heat 2</b> - 2009 Great CityGames (Manchester, GBR) (150m straightaway)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<i>Jalava (2009) - <a href="http://www.tilastopaja.org">www.tilastopaja.org</a></i>										
date	17-May-09	time	10.81	15.99		15.99	/ 4			
reaction time		interval		5.18				# of strides	10.81	
wind	0.2 m/s	velocity	9.25	9.65		9.38			9.25	

<b>Brož, Michal (CZE) (1992)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Heat 2</b> - 2013 Czech Republic National Championships (Tábor, CZE) <i>Feher (2013) - Final report men's &amp; women's Czech Republic national champs</i>											
date	16-Jun-13	time	6.44	11.46	16.52	22.14	22.14	7 / 5			
reaction time	0.198	interval		5.02	5.06	5.62		# of strides	11.46	10.68	0.78
wind	0.8 m/s	velocity	7.76	9.96	9.88	8.90	9.03		8.73	9.36	

<b>Buckland, Stéphan (MRI) (1977)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Heat 8</b> - 2009 IAAF World Championships (Berlin, GER) <i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	18-Aug-09	time	5.99	10.68	15.63	21.00	21.00	2 / 3			
reaction time	0.144	interval		4.69	4.95	5.37		# of strides	10.68	10.32	0.36
wind	-0.6 m/s	velocity	8.35	10.66	10.10	9.31	9.52		9.36	9.69	

<b>FINAL</b> - 2008 IAAF World Athletic Final (Stuttgart, GER)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<i>Graubner (2009) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>											
date	14-Sep-08	time	5.95	10.54	15.37	20.57	20.57	7 / 1			
reaction time	0.149	interval		4.59	4.83	5.20		# of strides	10.54	10.03	0.51
wind	-0.1 m/s	velocity	8.40	10.89	10.35	9.62	9.72		9.49	9.97	

<b>FINAL</b> - 2004 Olympic Games (Athens, GRE)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>											
date	26-Aug-04	time		10.5	20.2	20.24	7 / 6				
reaction time	0.294	interval			9.70			# of strides	10.50	9.70	0.80
wind	1.2 m/s	velocity		9.52	10.31	9.88			9.52	10.31	

<b>FINAL</b> - 2001 IAAF World Championships (Edmonton, CAN)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>											
date	09-Aug-01	time		10.2	20.24	20.24	7 / 6				
reaction time	0.179	interval			10.04			# of strides	10.20	10.04	0.16
wind	0.2 m/s	velocity		9.80	9.96	9.88			9.80	9.96	

<b>Bull Hjeltnes, Marius (NOR)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>E FINAL</b> - 2014 Windsprint (Sundsvall, SWE) <i>Johansen (2014) - <a href="http://www.ssg.se/windsprint/Splittider/">www.ssg.se/windsprint/Splittider/</a></i>										
date	20-Jul-14	time		11.60	22.64	22.64	5 / 4			

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

reaction time	interval		11.04		# of strides	11.60	11.04	0.56
wind	1.7 m/s	velocity	8.62	9.06	8.83	8.62	9.06	

**Buntin, Nadale (SKN) (2000)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**Heat 4 - 2023 World Athletics Championships (Budapest, HUN)**      *Seiko Timing (2023) - world championship race analysis*  
date      23-Aug-23    time      10.74      20.90      20.90      3 / 5  
reaction time    0.146    interval      10.16      10.16      # of strides      10.74      10.16      0.58  
wind      -0.2 m/s    velocity      9.31      9.84      9.57      88.5      9.31      9.84

**Burgunder, Jöel (SUI) (1991)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL - 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)**      *Swiss Athletics (2016) - sprint and hurdle analysis*  
date      07-May-16    time      5.96      10.69      15.66      15.66      / 4      **50-150m**  
reaction time    interval      4.73      4.97      **PB**      # of strides      10.69      9.70  
wind      1.3 m/s    velocity      8.39      10.57      10.06      9.58      9.35      10.31

**Burke, Mario (BAR) (1997)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL - 2020 Doha Diamond League (Doha, QAT)**      *Omega Timing (2020) - diamond league race analysis*  
date      25-Sep-20    time      6.0      10.7      15.6      20.72      20.72      3 / 4  
reaction time    0.121    interval      4.70      4.90      5.12      # of strides      10.70      10.02      0.68  
wind      0.9 m/s    velocity      8.33      10.64      10.20      9.77      9.65      89.0      9.35      9.98

**FINAL - 2020 Bauhaus Galan (Stockholm, SWE)**      *Omega Timing (2020) - diamond league race analysis*  
date      23-Aug-20    time      5.9      10.7      15.6      20.80      20.80      2 / 4  
reaction time    0.113    interval      4.80      4.90      5.20      # of strides      10.70      10.10      0.60  
wind      3.0 m/s    velocity      8.47      10.42      10.20      9.62      9.62      87.2      9.35      9.90

**Burnet, Taymir (NED) (1992)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**Semi-Final 2 - 2023 World Athletics Championships (Budapest, HUN)**      *Seiko Timing (2023) - world championship race analysis*  
date      24-Aug-23    time      10.52      20.65      20.65      3 / - 6  
reaction time    0.140    interval      10.13      10.13      # of strides      10.52      10.13      0.39  
wind      0.0 m/s    velocity      9.51      9.87      9.69      189.0      9.51      9.87

**Heat 1 - 2023 World Athletics Championships (Budapest, HUN)**      *Seiko Timing (2023) - world championship race analysis*  
date      23-Aug-23    time      10.58      20.31      20.31      7 / 5  
reaction time    0.137    interval      9.73      9.73      **PB**      # of strides      10.58      9.73      0.85  
wind      0.0 m/s    velocity      9.45      10.28      9.85      87.2      9.45      10.28

**FINAL - 2023 Athletissima (Lausanne, SUI)**      *Omega Timing (2023) - diamond league race analysis*  
date      30-Jun-23    time      5.90      10.67      15.75      21.30      21.30      1 / 8  
reaction time    0.142    interval      4.77      5.08      5.55      # of strides      10.67      10.63      0.04  
wind      -1.4 m/s    velocity      8.47      10.48      9.84      9.01      9.39      9.37      9.41

**FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)**      *Omega Timing (2022) - diamond league race analysis*  
date      09-Jun-22    time      6.05      10.84      15.87      21.26      21.26      2 / 9  
reaction time    0.171    interval      4.79      5.03      5.39      # of strides      10.84      10.42      0.42  
wind      -0.1 m/s    velocity      8.26      10.44      9.94      9.28      9.41      90.0      9.23      9.60

**Burraj, Franko (ALB) (1998)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**Heat 1 - 2023 World Athletics Championships (Budapest, HUN)**      *Seiko Timing (2023) - world championship race analysis*  
date      23-Aug-23    time      11.19      21.52      21.52      9 / 8  
reaction time    0.167    interval      10.33      10.33      # of strides      11.19      10.33      0.86  
wind      0.0 m/s    velocity      8.94      9.68      9.29      85.5      8.94      9.68

**Burton, Larry (USA) (1951)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL - 1972 Olympic Games (Munich, FRG)**      *Gundlach (1973) - beobachtungsergebnisse in der leichtathletik*  
date      04-Sep-72    time      10.57      15.23      20.37      20.37      6 / 4  
reaction time    interval      4.66      5.14      # of strides      10.57      9.80      0.77  
wind      0.0 m/s    velocity      9.46      10.73      9.73      9.82      84.7      9.46      10.20

**Butler, James (USA) (1960)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL - 1982 GDR vs. USA (Karl-Marx-Stadt, GDR)**      *Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen 1981/84*  
date      10-Jul-82    time      10.37      20.32      20.32      / 1  
reaction time    interval      9.95      9.95      # of strides      10.37      9.95      0.42  
wind      1.7 m/s    velocity      9.64      10.05      9.84      9.64      10.05

**Callender, Emmanuel (TTO) (1984)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**Semi-Final 2 - 2009 IAAF World Championships (Berlin, GER)**      *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*  
date      19-Aug-09    time      5.83      10.49      15.38      20.70      20.70      1 / 8

reaction time	0.145	interval	4.66	4.89	5.32		# of strides	10.49	10.21	0.28
wind	0.3 m/s	velocity	8.58	10.73	10.22	9.40	9.66	9.53	9.79	

**Quarter-Final 3** - 2009 IAAF World Championships (Berlin, GER)*Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	18-Aug-09	time	5.83	10.42	15.30	20.62	20.62	8 / 5			
reaction time	0.148	interval	4.59	4.88	5.32			# of strides	10.42	10.20	0.22
wind	-0.3 m/s	velocity	8.58	10.89	10.25	9.40	9.70		9.60	9.80	

**Heat 6** - 2009 IAAF World Championships (Berlin, GER)*Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	18-Aug-09	time	5.85	10.49	15.45	20.81	20.81	5 / 3			
reaction time	0.161	interval	4.64	4.96	5.36			# of strides	10.49	10.32	0.17
wind	0.2 m/s	velocity	8.55	10.78	10.08	9.33	9.61		9.53	9.69	

**Callis, De'Montray (USA) (2002)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 1** - 2024 USA Olympic Trials (Eugene, OR)*USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date	28-Jun-24	time	6.05	10.90	15.82	20.87	20.87	1 / 8			
reaction time		interval	4.85	4.92	5.05			# of strides	10.90	9.97	0.93
wind	0.3 m/s	velocity	8.26	10.31	10.16	9.90	9.58	97.7	9.17	10.03	

**Heat 1** - 2024 USA Olympic Trials (Eugene, OR)*USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date	27-Jun-24	time	5.89	10.61	15.52	20.81	20.81	5 / 8			
reaction time		interval	4.72	4.91	5.29			# of strides	10.61	10.20	0.41
wind	0.3 m/s	velocity	8.49	10.59	10.18	9.45	9.61		9.43	9.80	

**Cambridge, Aska (JPN) (1993)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL** - 2011 Japanese National High School Championships (Kitakami, JPN)*Abe (2011) - 64th high school championships: JAF scientific committee*

date	06-Aug-11	time	6.10	11.06	15.92	21.35	21.35	1 / 4			
reaction time		interval	4.96	4.86	5.43			# of strides	11.06	10.29	0.77
wind	-0.4 m/s	velocity	8.20	10.08	10.29	9.21	9.37		9.04	9.72	

**Campbell, Darren (GBR) (1973)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Quarter-Final 1** - 2002 European Championships (Munich, GER)*Graubner (2009) - <http://www.fgs.uni-halle.de>*

date	08-Aug-02	time	5.83	10.42	15.36	20.78	20.78	1 / 1			
reaction time	0.106	interval	4.59	4.94	5.42	<b>DQ</b>		# of strides	10.42	10.36	0.06
wind	-1.8 m/s	velocity	8.58	10.89	10.12	9.23	9.62		9.60	9.65	

**Heat 2** - 2002 European Championships (Munich, GER)*Graubner (2009) - <http://www.fgs.uni-halle.de>*

date	08-Aug-02	time	10.61	15.43	20.66	20.66	1 / 1				
reaction time	0.145	interval	4.82	5.23				# of strides	10.61	10.05	0.56
wind	-0.2 m/s	velocity	9.43	10.37	9.56	9.68			9.43	9.95	

**Capel, John (USA) (1978)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 1** - 2008 USA Olympic Trials (Eugene, OR)*USATF Women's Sprint Development with HPC (2008)*

date	05-Jul-08	time	6.08	10.83	15.61	20.81	20.81	8 / 7			
reaction time		interval	4.75	4.78	5.20			# of strides	10.83	9.98	0.85
wind	2.2 m/s	velocity	8.22	10.53	10.46	9.62	9.61		9.23	10.02	

**Quarter-Final 2** - 2008 USA Olympic Trials (Eugene, OR)*USATF Women's Sprint Development with HPC (2008)*

date	05-Jul-08	time	5.91	10.64	15.49	20.70	20.70	7 / 3			
reaction time		interval	4.73	4.85	5.21			# of strides	10.64	10.06	0.58
wind	1.4 m/s	velocity	8.46	10.57	10.31	9.60	9.66		9.40	9.94	

**Heat 2** - 2008 USA Olympic Trials (Eugene, OR)*USATF Women's Sprint Development with HPC (2008)*

date	04-Jul-08	time	5.99	10.67	15.41	20.73	20.73	8 / 3			
reaction time		interval	4.68	4.74	5.32			# of strides	10.67	10.06	0.61
wind	0.8 m/s	velocity	8.35	10.68	10.55	9.40	9.65	89.0	9.37	9.94	

**FINAL** - 2004 USA Olympic Trials (Sacramento, CA)*USATF Women's Sprint Development (2004)*

date	18-Jul-04	time	5.84	10.54	15.43	20.72	20.72	1 / 6			
reaction time		interval	4.70	4.89	5.29			# of strides	10.54	10.18	0.36
wind	-0.7 m/s	velocity	8.56	10.64	10.22	9.45	9.65		9.49	9.82	

**Semi-Final 2** - 2004 USA Olympic Trials (Sacramento, CA)*USATF Women's Sprint Development (2004)*

date	17-Jul-04	time	5.87	10.51	15.31	20.49	20.49	6 / 4			
reaction time		interval	4.64	4.80	5.18			# of strides	10.51	9.98	0.53
wind	0.1 m/s	velocity	8.52	10.78	10.42	9.65	9.76		9.51	10.02	

<b>FINAL - 2003 USATF National Championships (Palo Alto, CA)</b>							<i>USATF Women's Sprint Development (2003)</i>				
date	22-Jun-03	time	5.91	10.42	15.18	20.17	20.17	3 / 2			
reaction time		interval		4.51	4.76	4.99		# of strides	10.42	9.75	0.67
wind	0.1 m/s	velocity	8.46	11.09	10.50	10.02	9.92		9.60	10.26	

<b>FINAL - 2000 USA Olympic Trials (Sacramento, CA)</b>							<i>Hymans (2020) - history of the US olympic trials - track and field</i>				
date	23-Jul-00	time		10.2		19.85	19.85	5 / 1			
reaction time	0.151	interval				9.65		# of strides	10.20	9.65	0.55
wind	-0.3 m/s	velocity		9.80		10.36	10.08		9.80	10.36	

<b>Capobianco, Dean (AUS) (1970)</b>							<i>Veney - split times from PJ</i>				
	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>FINAL - 1993 IAAF World Championships (Stuttgart, GER)</b>											
date	32739	time	5.82	10.36	15.13	20.16	20.18	3 / 5			
reaction time		interval		4.54	4.77	5.03	<b>PB</b>	# of strides	10.36	9.80	0.56
wind	0.3 m/s	velocity	8.59	11.01	10.48	9.94	9.91	85.2	9.65	10.20	

<b>Carlos, John (USA) (1945)</b>							<i>Hymans (2015) - progression of IAAF world records</i>				
	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>FINAL - 1968 Olympic Games (Mexico City, MEX) (Altitude)</b>											
date	16-Oct-68	time		10.4		20.1	20.10	4 / 3			
reaction time		interval				9.70		# of strides	10.40	9.70	0.70
wind	0.9 m/s	velocity		9.62		10.31	9.95	87.5	9.62	10.31	

<b>FINAL - 1968 USA Olympic Trials (Echo Summit, CA) (Altitude)</b>							<i>Брейзер (1984) - соревновательная деятельность спринтеров</i>				
date	12-Sep-68	time		10.22		14.97	19.92	19.70	/ 1		
reaction time		interval				4.75	4.95	# of strides	10.22	9.70	0.52
wind	1.9 m/s	velocity		9.78		10.53	10.10	10.15	9.78	10.31	

<b>Carnes, Brandon (USA) (1995)</b>							<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>				
	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>Semi-Final 1 - 2024 USA Olympic Trials (Eugene, OR)</b>											
date	28-Jun-24	time	5.93	10.64	15.56	20.85	20.85	2 / 6			
reaction time		interval		4.71	4.92	5.29		# of strides	10.64	10.21	0.43
wind	0.3 m/s	velocity	8.43	10.62	10.16	9.45	9.59	96.0	9.40	9.79	

<b>Heat 3 - 2024 USA Olympic Trials (Eugene, OR)</b>							<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>				
date	27-Jun-24	time	5.90	10.67	15.55	20.92	20.92	8 / <del>7</del> 6			
reaction time		interval		4.77	4.88	5.37		# of strides	10.67	10.25	0.42
wind	1.1 m/s	velocity	8.47	10.48	10.25	9.31	9.56	94.0	9.37	9.76	

<b>FINAL - 2024 Prefontaine Classic (Eugene, OR)</b>							<i>Omega Timing (2024) - diamond league race analysis</i>				
date	25-May-24	time	5.92	10.70	15.60	20.83	20.83	1 / 8			
reaction time	0.119	interval		4.78	4.90	5.23		# of strides	10.70	10.13	0.57
wind	1.8 m/s	velocity	8.45	10.46	10.20	9.56	9.60	94.0	9.35	9.87	

<b>Carter, Xavier (USA) (1985)</b>							<i>USATF Women's Sprint Development with HPC (2008)</i>				
	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>Semi-Final 2 - 2008 USA Olympic Trials (Eugene, OR)</b>											
date	05-Jul-08	time	5.96	10.59	15.34	20.55	20.55	6 / 2			
reaction time		interval		4.63	4.75	5.21		# of strides	10.59	9.96	0.63
wind	-0.9 m/s	velocity	8.39	10.80	10.53	9.60	9.73		9.44	10.04	

<b>Quarter-Final 2 - 2008 USA Olympic Trials (Eugene, OR)</b>							<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	05-Jul-08	time	6.04	10.79	15.63	20.61	20.61	3 / 2			
reaction time		interval		4.75	4.84	4.98		# of strides	10.79	9.82	0.97
wind	1.4 m/s	velocity	8.28	10.53	10.33	10.04	9.70		9.27	10.18	

<b>Heat 3 - 2008 USA Olympic Trials (Eugene, OR)</b>							<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	04-Jul-08	time	6.04	10.77	15.52	20.86	20.86	4 / 3			
reaction time		interval		4.73	4.75	5.34		# of strides	10.77	10.09	0.68
wind	-0.3 m/s	velocity	8.28	10.57	10.53	9.36	9.59		9.29	9.91	

<b>FINAL - 2005 USATF National Championships (Carson, CA)</b>							<i>USATF Women's Sprint Development (2005)</i>				
date	26-Jun-05	time	6.02	10.69	15.70	20.71	20.71	1 / 9			
reaction time		interval		4.67	5.01	5.01		# of strides	10.69	10.02	0.67
wind	-0.9 m/s	velocity	8.31	10.71	9.98	9.98	9.66	92.0	9.35	9.98	

<b>Castrini, Timo (SUI) (2001)</b>										
	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

**B Race - 2021 Athletissima (Lausanne, SUI)**

Omega Timing (2021) - diamond league race analysis

date	26-Aug-21	time	6.6	11.8	17.1	22.78	22.78	2 / 8			
reaction time	0.158	interval		5.20	5.30	5.68		# of strides	11.80	10.98	0.82
wind	3.0 m/s	velocity	7.58	9.62	9.43	8.80	8.78		8.47	9.11	

**Cavallaro, Alessandro (ITA) (1980) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 2 - 2003 IAAF World Championships (Paris Saint-Denis, FRA)** *Di Mulo (2009) - mezzi e metodi di allenamento dello sprinter di elevato*

date	28-Aug-03	time		10.70		20.59	20.59	3 / 7			
reaction time	0.219	interval				9.89		# of strides	10.70	9.89	0.81
wind	0.0 m/s	velocity		9.35		10.11	9.71		9.35	10.11	

**Quarter-Final 2 - 2003 IAAF World Championships (Paris Saint-Denis, FRA)** *Di Mulo (2009) - mezzi e metodi di allenamento dello sprinter di elevato*

date	27-Aug-03	time		10.70		20.47	20.47	5 / 2			
reaction time	0.137	interval				9.77		# of strides	10.70	9.77	0.93
wind	0.6 m/s	velocity		9.35		10.24	9.77		9.35	10.24	

**Heat 4 - 2003 IAAF World Championships (Paris Saint-Denis, FRA)** *Di Mulo (2009) - mezzi e metodi di allenamento dello sprinter di elevato*

date	27-Aug-03	time		10.76		20.42	20.42	4 / 2			
reaction time	0.151	interval				9.66	<b>PB</b>	# of strides	10.76	9.66	1.10
wind	-0.5 m/s	velocity		9.29		10.35	9.79		9.29	10.35	

**Semi-Final 2 - 2002 European Championships (Munich, GER)** *Graubner (2009) - http://www.fgs.uni-halle.de*

date	09-Aug-02	time	6.04	10.80	15.75	21.01	21.01	/ 6			
reaction time	0.148	interval		4.76	4.95	5.26		# of strides	10.80	10.21	0.59
wind	0.2 m/s	velocity	8.28	10.50	10.10	9.51	9.52		9.26	9.79	

**FINAL - 2001 European Cup (Bremen GER)** *Graubner (2007) - http://www.fgs.uni-halle.de*

date	24-Jun-01	time	6.08	10.71	15.55	20.84	20.84	/ 5			
reaction time	0.194	interval		4.63	4.84	5.29		# of strides	10.71	10.13	0.58
wind	-0.7 m/s	velocity	8.22	10.80	10.33	9.45	9.60		9.34	9.87	

**FINAL - 2000 (Torino, ITA)** *Di Mulo (2009) - mezzi e metodi di allenamento dello sprinter di elevato*

date	10-Jul-00	time		10.59		20.48	20.48	/ 1			
reaction time		interval				9.89	<b>PB</b>	# of strides	10.59	9.89	0.70
wind	0.4 m/s	velocity		9.44		10.11	9.77		9.44	10.11	

**Heat 1 - 1999 European Junior Championships (Rīga, LAT)** *Di Mulo (2009) - mezzi e metodi di allenamento dello sprinter di elevato*

date	06-Aug-99	time		10.71		20.74	20.74	/ 1			
reaction time		interval				10.03	<b>PB</b>	# of strides	10.71	10.03	0.68
wind	-0.3 m/s	velocity		9.34		9.97	9.64		9.34	9.97	

**FINAL - 1999 FRA vs ITA vs ??? 3 Nations (Albertville, FRA)** *Di Mulo (2009) - mezzi e metodi di allenamento dello sprinter di elevato*

date	24-Jul-99	time		10.90		21.00	21.00	/ 1			
reaction time		interval				10.10		# of strides	10.90	10.10	0.80
wind	-0.6 m/s	velocity		9.17		9.90	9.52		9.17	9.90	

**Cavitt, Cornelius (USA) (1974) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Quarter-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)** *Hymans (2020) - history of the US olympic trials - track and field*

date	22-Jun-96	time		10.82		20.90	20.90	/ 7			
reaction time		interval				10.08		# of strides	10.82	10.08	0.74
wind	0.0 m/s	velocity		9.24		9.92	9.57		9.24	9.92	

**Heat 1 - 1996 USA Olympic Trials (Atlanta, GA)** *Hymans (2020) - history of the US olympic trials - track and field*

date	21-Jun-96	time		10.61		20.67	20.67	/ 7			
reaction time		interval				10.06		# of strides	10.61	10.06	0.55
wind	1.1 m/s	velocity		9.43		9.94	9.68		9.43	9.94	

**Chakir, Machmour (MAR) (1994) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****National FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)** *Omega Timing (2022) - diamond league race analysis*

date	05-Jun-22	time	6.06	10.83	15.78	21.18	21.18	4 / 1			
reaction time	0.203	interval		4.77	4.95	5.40		# of strides	10.83	10.35	0.48
wind	-0.6 m/s	velocity	8.25	10.48	10.10	9.26	9.44		9.23	9.66	

**Chambers, Dwain (GBR) (1978) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2013 Great CityGames (Manchester, GBR) (150m straightaway)** *Minshull (2013) - world bests for shakes-draxton and felix in manchester*

date	25-May-13	time		10.48		15.69	15.69	2 / 4			
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reaction time	interval		5.21		# of strides	10.48
wind	-1.0 m/s	velocity	9.54	9.60	9.56	9.54

**FINAL** - 2012 Great CityGames (Manchester, GBR) (150m straightaway)Jalava (2012) - [www.tilastopaja.org](http://www.tilastopaja.org)

date	20-May-12	time	10.32	15.27	15.27	3 / 2
reaction time		interval		4.95		# of strides
wind	-0.1 m/s	velocity	9.69	10.10	9.82	10.32
						9.69

**Charamba, Makanakaishe (ZIM) (2001)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**FINAL** - 2024 Olympic Games (Paris, FRA) Paris 2024 Olympc Games - Results Book (2024)

date	08-Aug-24	time	6.04	10.69	15.51	20.53	20.53	3 / 8
reaction time	0.145	interval		4.65	4.82	5.02		# of strides
wind	0.4 m/s	velocity	8.28	10.75	10.37	9.96	9.74	83.2
								10.69
								9.84
								0.85
								9.35
								10.16

**Semi-Final 2** - 2024 Olympic Games (Paris, FRA) Paris 2024 Olympc Games - Results Book (2024)

date	07-Aug-24	time	6.03	10.66	15.41	20.31	20.31	4 / 3
reaction time	0.159	interval		4.63	4.75	4.90		# of strides
wind	-0.2 m/s	velocity	8.29	10.80	10.53	10.20	9.85	84.2
								10.66
								9.65
								1.01
								9.38
								10.36

**Heat 3** - 2024 Olympic Games (Paris, FRA) Paris 2024 Olympc Games - Results Book (2024)

date	05-Aug-24	time	6.00	10.60	15.33	20.27	20.27	4 / 2
reaction time	0.156	interval		4.60	4.73	4.94		# of strides
wind	-0.1 m/s	velocity	8.33	10.87	10.57	10.12	9.87	83.5
								10.60
								9.67
								0.93
								9.43
								10.34

**Cheval, Christophe (FRA) (1971)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**FINAL** - 2001 European Cup (Bremen GER) Graubner (2007) - <http://www.fgs.uni-halle.de>

date	24-Jun-01	time	5.99	10.65	15.49	20.82	20.82	1 / 4
reaction time	0.232	interval		4.66	4.84	5.33		# of strides
wind	-0.7 m/s	velocity	8.35	10.73	10.33	9.38	9.61	
								10.65
								10.17
								0.48
								9.39
								9.83

**FINAL** - 1997 European Cup (Munich GER) Federle (2009) - <http://www.fgs.uni-halle.de>

date	22-Jun-97	time	6.05	10.78	15.61	20.75	20.75	1 / 4
reaction time		interval		4.73	4.83	5.14		# of strides
wind	0.7 m/s	velocity	8.26	10.57	10.35	9.73	9.64	
								10.78
								9.97
								0.81
								9.28
								10.03

**Chèvre, Matthieu (SUI) (2004)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**B Race** - 2021 Athletissima (Lausanne, SUI) Omega Timing (2021) - [diamond.league.race.analysis](http://diamond.league.race.analysis)

date	26-Aug-21	time	6.3	11.3	16.5	21.91	21.91	3 / 5
reaction time	0.162	interval		5.00	5.20	5.41		# of strides
wind	3.0 m/s	velocity	7.94	10.00	9.62	9.24	9.13	
								11.30
								10.61
								0.69
								8.85
								9.43

**Christian, Brendan (ANT) (1983)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**Semi-Final 1** - 2009 IAAF World Championships (Berlin, GER) Graubner (2009) - [biomechanicalanalyses.atthe12thiaafworldchampionships](http://biomechanicalanalyses.atthe12thiaafworldchampionships)

date	19-Aug-09	time	5.90	10.58	15.50	20.79	20.79	1 / 8
reaction time	0.138	interval		4.68	4.92	5.29		# of strides
wind	0.0 m/s	velocity	8.47	10.68	10.16	9.45	9.62	88.5
								10.58
								10.21
								0.37
								9.45
								9.79

**Quarter-Final 3** - 2009 IAAF World Championships (Berlin, GER) Graubner (2009) - [biomechanicalanalyses.atthe12thiaafworldchampionships](http://biomechanicalanalyses.atthe12thiaafworldchampionships)

date	18-Aug-09	time	5.90	10.52	15.38	20.58	20.58	3 / 4
reaction time	0.144	interval		4.62	4.86	5.20		# of strides
wind	-0.3 m/s	velocity	8.47	10.82	10.29	9.62	9.72	
								10.52
								10.06
								0.46
								9.51
								9.94

**Heat 2** - 2009 IAAF World Championships (Berlin, GER) Graubner (2009) - [biomechanicalanalyses.atthe12thiaafworldchampionships](http://biomechanicalanalyses.atthe12thiaafworldchampionships)

date	18-Aug-09	time	5.90	10.60	15.54	20.81	20.81	4 / 1
reaction time	0.144	interval		4.70	4.94	5.27		# of strides
wind	-1.6 m/s	velocity	8.47	10.64	10.12	9.49	9.61	
								10.60
								10.21
								0.39
								9.43
								9.79

**FINAL** - 2008 IAAF World Athletic Final (Stuttgart, GER) Graubner (2009) - <http://www.fgs.uni-halle.de>

date	14-Sep-08	time	5.86	10.41	15.31	20.61	20.61	3 / 3
reaction time	0.153	interval		4.55	4.90	5.30		# of strides
wind	-0.1 m/s	velocity	8.53	10.99	10.20	9.43	9.70	
								10.41
								10.20
								0.21
								9.61
								9.80

**Semi-Final 2** - 2007 IAAF World Championships (Osaka, JPN) Tsuchie (2010) - [run.speed.of.the.men.s.200m.at.the.2007.osaka.world.champs](http://run.speed.of.the.men.s.200m.at.the.2007.osaka.world.champs)

date	29-Aug-07	time	5.79	10.35	15.15	20.36	20.36	3 / 5
reaction time	0.139	interval		4.56	4.80	5.21		# of strides
wind	-0.4 m/s	velocity	8.64	10.96	10.42	9.60	9.82	88.5
								10.35
								10.01
								0.34
								9.66
								9.99

<b>Quarter-Final 1 - 2007 IAAF World Championships (Osaka, JPN)</b>				<i>Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs</i>							
date	28-Aug-07	time	5.81	10.35	15.17	20.36	20.36	5 / 3			
reaction time	0.130	interval		4.54	4.82	5.19		# of strides	10.35	10.01	0.34
wind	0.3 m/s	velocity	8.61	11.01	10.37	9.63	9.82	88.2	9.66	9.99	

<b>Christie, Linford (GBR) (1960)</b>				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 1997 European Cup (Munich GER)</b>												
<i>Federle (2009) - http://www.fgs.uni-halle.de</i>												
date	22-Jun-97	time	5.82	10.47	15.29	20.56	20.56	/ = 1				
reaction time		interval		4.65	4.82	5.27		# of strides	10.47	10.09	0.38	
wind	0.7 m/s	velocity	8.59	10.75	10.37	9.49	9.73		9.55	9.91		

<b>FINAL - 1988 Olympic Games (Seoul, KOR)</b>				<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>							
date	28-Sep-88	time	5.81	10.41	15.09	20.09	20.09	5 / 4			
reaction time	0.160	interval		4.60	4.68	5.00	<b>PB</b>	# of strides	10.41	9.68	0.73
wind	1.7 m/s	velocity	8.61	10.87	10.68	10.00	9.96	84.3	9.61	10.33	

<b>Semi-Final 2 - 1988 Olympic Games (Seoul, KOR)</b>				<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>							
date	28-Sep-88	time	5.85	10.49	15.24	20.33	20.33	3 / 2			
reaction time	0.164	interval		4.64	4.75	5.09	<b>PB</b>	# of strides	10.49	9.84	0.65
wind	1.6 m/s	velocity	8.55	10.78	10.53	9.82	9.84		9.53	10.16	

<b>Chuard, Sylvain (SUI) (1996)</b>				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)</b>												
<i>Swiss Athletics (2016) - sprint and hurdle analysis</i>												
date	07-May-16	time	6.04	10.87	16.26		16.26	/ 7				<b>50-150m</b>
reaction time		interval		4.83	5.39		<b>PB</b>	# of strides	10.87			10.22
wind	1.3 m/s	velocity	8.28	10.35	9.28		9.23		9.20			9.78

<b>Cissé, Arthur (CIV) (1996)</b>				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2021 Doha Diamond League (Doha, QAT)</b>												
<i>Omega Timing (2021) - diamond league race analysis</i>												
date	28-May-21	time	5.9	10.5	15.4	20.91	20.91	1 / 7				
reaction time	0.163	interval		4.60	4.90	5.51		# of strides	10.50	10.41	0.09	
wind	0.4 m/s	velocity	8.47	10.87	10.20	9.07	9.56	96.0	9.52	9.61		

<b>FINAL - 2020 Doha Diamond League (Doha, QAT)</b>				<i>Omega Timing (2020) - diamond league race analysis</i>							
date	25-Sep-20	time	5.9	10.5	15.2	20.23	20.23	4 / 1			
reaction time	0.147	interval		4.60	4.70	5.03	<b>NR PB</b>	# of strides	10.50	9.73	0.77
wind	0.9 m/s	velocity	8.47	10.87	10.64	9.94	9.89	93.5	9.52	10.28	

<b>Clark, Charles (USA) (1987)</b>				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2009 IAAF World Championships (Berlin, GER)</b>												
<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>												
date	20-Aug-09	time	5.80	10.38	15.16	20.39	20.39	7 / 6				
reaction time	0.158	interval		4.58	4.78	5.23		# of strides	10.38	10.01	0.37	
wind	-0.3 m/s	velocity	8.62	10.92	10.46	9.56	9.81	93.2	9.63	9.99	79.88	

<b>Semi-Final 2 - 2009 IAAF World Championships (Berlin, GER)</b>				<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>							
date	19-Aug-09	time	5.84	10.44	15.20	20.27	20.27	2 / 3			
reaction time	0.163	interval		4.60	4.76	5.07		# of strides	10.44	9.83	0.61
wind	0.3 m/s	velocity	8.56	10.87	10.50	9.86	9.87		9.58	10.17	

<b>Quarter-Final 1 - 2009 IAAF World Championships (Berlin, GER)</b>				<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>							
date	18-Aug-09	time	5.94	10.63	15.49	20.55	20.55	8 / 4			
reaction time	0.177	interval		4.69	4.86	5.06		# of strides	10.63	9.92	0.71
wind	0.0 m/s	velocity	8.42	10.66	10.29	9.88	9.73		9.41	10.08	

<b>FINAL - 2008 USA Olympic Trials (Eugene, OR)</b>				<i>USATF Women's Sprint Development with HPC (2008)</i>							
date	06-Jul-08	time	5.93	10.61	15.40	20.53	20.53	1 / 5			
reaction time	0.156	interval		4.68	4.79	5.13		# of strides	10.61	9.92	0.69
wind	1.7 m/s	velocity	8.43	10.68	10.44	9.75	9.74		9.43	10.08	

<b>Semi-Final 1 - 2008 USA Olympic Trials (Eugene, OR)</b>				<i>USATF Women's Sprint Development with HPC (2008)</i>							
date	05-Jul-08	time	6.02	10.86	15.48	20.48	20.48	6 / 4			
reaction time		interval		4.84	4.62	5.00		# of strides	10.86	9.62	1.24
wind	2.2 m/s	velocity	8.31	10.33	10.82	10.00	9.77		9.21	10.40	

<b>Quarter-Final 4 - 2008 USA Olympic Trials (Eugene, OR)</b>				<i>USATF Women's Sprint Development with HPC (2008)</i>						
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date	05-Jul-08	time	6.09	10.89	15.51	20.55	20.55	7 / 2			
reaction time		interval		4.80	4.62	5.04		# of strides	10.89	9.66	1.23
wind	1.8 m/s	velocity	8.21	10.42	10.82	9.92	9.73		9.18	10.35	

**Heat 4 - 2008 USA Olympic Trials (Eugene, OR)***USATF Women's Sprint Development with HPC (2008)*

date	04-Jul-08	time	6.12	10.86	15.56	20.76	20.76	8 / 2			
reaction time		interval		4.74	4.70	5.20		# of strides	10.86	9.90	0.96
wind	1.2 m/s	velocity	8.17	10.55	10.64	9.62	9.63	92.2	9.21	10.10	

**Clay, Ramon (USA) (1975)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2003 USATF National Championships (Palo Alto, CA)** *USATF Women's Sprint Development (2003)*

date	22-Jun-03	time	5.92	10.58	15.27	20.27	20.27	4 / 5			
reaction time		interval		4.66	4.69	5.00		# of strides	10.58	9.69	0.89
wind	0.1 m/s	velocity	8.45	10.73	10.66	10.00	9.87		9.45	10.32	

**FINAL - 1996 USA Olympic Trials (Atlanta, GA)***USATF Women's Sprint Development (1996)*

date	23-Jun-96	time		10.70	15.38	20.08	20.08	3 / 4			
reaction time		interval			4.68	4.70	<b>PB</b>	# of strides	10.70	9.38	1.32
wind	1.7 m/s	velocity		9.35	10.68	10.64	9.96		9.35	10.66	

**Semi-Final 1 - 1996 USA Olympic Trials (Atlanta, GA)***USATF Women's Sprint Development (1996)*

date	23-Jun-96	time		10.35	14.94	19.99	19.99	6 / 2			
reaction time		interval			4.59	5.05		# of strides	10.35	9.64	0.71
wind	2.7 m/s	velocity		9.66	10.89	9.90	10.01		9.66	10.37	

**Quarter-Final 3 - 1996 USA Olympic Trials (Atlanta, GA)***Hymans (2020) - history of the US olympic trials - track and field*

date	22-Jun-96	time		10.44		20.20	20.20	1 / 1			
reaction time		interval				9.76		# of strides	10.44	9.76	0.68
wind	0.7 m/s	velocity		9.58		10.25	9.90		9.58	10.25	

**Heat 1 - 1996 USA Olympic Trials (Atlanta, GA)***Hymans (2020) - history of the US olympic trials - track and field*

date	21-Jun-96	time		10.34		20.12	20.12	1 / 1			
reaction time		interval				9.78		# of strides	10.34	9.78	0.56
wind	1.1 m/s	velocity		9.67		10.22	9.94		9.67	10.22	

**Colbert, Laurenz (USA) (2003)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 3 - 2024 USA Olympic Trials (Eugene, OR)** *USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date	28-Jun-24	time	5.92	10.69	15.48	20.44	20.44	1 / 5			
reaction time		interval		4.77	4.79	4.96		# of strides	10.69	9.75	0.94
wind	2.5 m/s	velocity	8.45	10.48	10.44	10.08	9.78	83.0	9.35	10.26	

**Heat 1 - 2024 USA Olympic Trials (Eugene, OR)***USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date	27-Jun-24	time	5.83	10.57	15.41	20.64	20.64	6 / 7			
reaction time		interval		4.74	4.84	5.23		# of strides	10.57	10.07	0.50
wind	0.3 m/s	velocity	8.58	10.55	10.33	9.56	9.69		9.46	9.93	

**Coleman, Christian (USA) (1996)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2024 USA Olympic Trials (Eugene, OR)** *USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date	29-Jun-24	time	5.68	10.27	15.03	19.89	19.89	5 / 4			
reaction time		interval		4.59	4.76	4.86		# of strides	10.27	9.62	0.65
wind	0.5 m/s	velocity	8.80	10.89	10.50	10.29	10.06	92.5	9.74	10.40	

**Semi-Final 3 - 2024 USA Olympic Trials (Eugene, OR)***USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date	28-Jun-24	time	5.65	10.27	14.90	19.89	19.89	6 / 2			
reaction time		interval		4.62	4.63	4.99		# of strides	10.27	9.62	0.65
wind	2.5 m/s	velocity	8.85	10.82	10.80	10.02	10.06	90.0	9.74	10.40	

**Heat 4 - 2024 USA Olympic Trials (Eugene, OR)***USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date	27-Jun-24	time	5.77	10.39	15.13	20.30	20.30	7 / 2			
reaction time		interval		4.62	4.74	5.17		# of strides	10.39	9.91	0.48
wind	1.2 m/s	velocity	8.67	10.82	10.55	9.67	9.85	90.7	9.62	10.09	

**FINAL - 2017 USATF National Championships (Sheraton, CA) (2017) - speedendurance.com/2017/07/14/200m-splits-from-usa-national-championships/**

date	25-Jun-17	time		10.21		20.10	20.10	5 / 2			
reaction time		interval				9.89		# of strides	10.21	9.89	0.32
wind	-2.3 m/s	velocity		9.79		10.11	9.95	93.0	9.79	10.11	

<b>Collins, Kim (SKN) (1976)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL</b> - 2013 Great CityGames (Manchester, GBR) (150m straightaway)						<i>Minshull (2013) - world bests for shakes-drayton and felix in manchester</i>				
date	25-May-13	time	10.22	15.15	20.43	15.15	1 / 2			
reaction time		interval		4.93			# of strides	10.22		
wind	-1.0 m/s	velocity	9.78	10.14		9.90		9.78		

<b>FINAL</b> - 2011 Great CityGames (Manchester, GBR) (200m straightaway)						<i>Butler (2011) - Gay's last 100 in Manchester street 150</i>				
date	15-May-11	time	5.78	10.27	15.10	20.43	2 / 2			
reaction time		interval	4.49	4.83	5.33		# of strides	10.27	10.16	0.11
wind	2.3 m/s	velocity	8.65	11.14	10.35	9.38		9.74	9.84	

<b>FINAL</b> - 2010 Great CityGames (Manchester, GBR) (200m straightaway)						<i>Jalava (2010) - www.tilastopaja.org</i>				
date	16-May-10	time	10.24	15.15	20.59	20.59	2 / 2			
reaction time		interval		4.91	5.44		# of strides	10.24	10.35	-0.11
wind	-0.4 m/s	velocity	9.77	10.18	9.19	9.71		9.77	9.66	

<b>FINAL</b> - 2008 Olympic Games (Beijing, CHN)						<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>				
date	20-Aug-08	time	10.45	20.59	20.59	20.59	2 / <del>3</del> 6			
reaction time	0.165	interval		10.14			# of strides	10.45	10.14	0.31
wind	-0.9 m/s	velocity	9.57	9.86	9.71		91.0	9.57	9.86	

<b>FINAL</b> - 2001 IAAF World Championships (Edmonton, CAN)						<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>				
date	09-Aug-01	time	10.3	20.2	20.20	20.20	1 / 3			
reaction time	0.136	interval		9.90	<b>NR</b>		# of strides	10.30	9.90	0.40
wind	0.2 m/s	velocity	9.71	10.10	9.90		91.0	9.71	10.10	

<b>Colvert, Steven (IRL) (1990)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL</b> - 2012 Windsprint (Sundsvall, SWE)						<i>(2012) - www.elitandslag.se/SprintHäck/KortSprint.aspx</i>				
date	17-Jun-12	time	10.77		20.59	20.59	1 / 1			
reaction time		interval			9.82		# of strides	10.77	9.82	0.95
wind	1.5 m/s	velocity	9.29		4.86	9.71		9.29	10.18	

<b>Connaughton, Jared (CAN) (1985)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heat 8</b> - 2009 IAAF World Championships (Berlin, GER)						<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>				
date	18-Aug-09	time	5.88	10.61	15.55	20.82	20.82	1 / 1		
reaction time	0.137	interval	4.73	4.94	5.27		# of strides	10.61	10.21	0.40
wind	-0.9 m/s	velocity	8.50	10.57	10.12	9.49	9.61	9.43	9.79	

<b>Correa, Renan (BRA) (2004)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Semi-Final 3</b> - 2024 Olympic Games (Paris, FRA)						<i>Paris 2024 Olympc Games - Results Book (2024)</i>				
date	07-Aug-24	time	5.91	10.54	15.40	20.60	20.60	9 / 6		
reaction time	0.163	interval	4.63	4.86	5.20		# of strides	10.54	10.06	0.48
wind	-0.6 m/s	velocity	8.46	10.80	10.29	9.62	9.71	9.49	9.94	

<b>Heat 2</b> - 2024 Olympic Games (Paris, FRA)						<i>Paris 2024 Olympc Games - Results Book (2024)</i>				
date	05-Aug-24	time	5.88	10.49	15.29	20.41	20.41	6 / 3		
reaction time	0.169	interval	4.61	4.80	5.12		# of strides	10.49	9.92	0.57
wind	-0.1 m/s	velocity	8.50	10.85	10.42	9.77	9.80	9.53	10.08	

<b>Semi-Final 2</b> - 2023 World Athletics Championships (Budapest, HUN)						<i>Seiko Timing (2023) - world championship race analysis</i>				
date	24-Aug-23	time	10.56		20.43	20.43	4 / <del>6</del> 5			
reaction time	0.174	interval			9.87		# of strides	10.56	9.87	0.69
wind	0.0 m/s	velocity	9.47		10.13	9.79	183.0	9.47	10.13	

<b>Heat 4</b> - 2023 World Athletics Championships (Budapest, HUN)						<i>Seiko Timing (2023) - world championship race analysis</i>				
date	23-Aug-23	time	10.55		20.44	20.44	6 / 2			
reaction time	0.171	interval			9.89		# of strides	10.55	9.89	0.66
wind	-0.2 m/s	velocity	9.48		10.11	9.78	86.0	9.48	10.11	

<b>Cotton, Kenzo (USA) (1996)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL</b> - 2017 USATF National Championships (Sacramento, CA) (2017) - speedendurance.com/2017/07/14/200m-splits-from-usa-national-championships/										
date	25-Jun-17	time	10.58		20.78	20.78	3 / 8			
reaction time		interval			10.20		# of strides	10.58	10.20	0.38
wind	-2.3 m/s	velocity	9.45		9.80	9.62	87.7	9.45	9.80	

<b>Crawford, Shawn (USA) (1978)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

**FINAL - 2012 USA Olympic Trials (Eugene, OR)**

date	01-Jul-12	time	10.4	20.37	20.37
reaction time	0.179	interval		9.97	
wind	2.3 m/s	velocity	9.62	10.03	9.82

*Hymans (2020) - history of the US olympic trials - track and field*

	7 / 7		
# of strides	10.40	9.97	0.43
	9.62	10.03	

**FINAL - 2011 Great CityGames (Manchester, GBR) (200m straightaway)**

date	15-May-11	time	5.93	10.41	15.25	20.68	20.68
reaction time		interval		4.48	4.84	5.43	
wind	2.3 m/s	velocity	8.43	11.16	10.33	9.21	9.67

*Butler (2011) - Gay's last 100 in Manchester street 150*

	/ 3		
# of strides	10.41	10.27	0.14
	9.61	9.74	

**FINAL - 2010 Great CityGames (Manchester, GBR) (150m straightaway)**

date	16-May-10	time	10.35	15.30	15.30
reaction time		interval		4.95	
wind	-1.1 m/s	velocity	9.66	10.10	9.80

*Jalava (2010) - www.tilastopaja.org*

	2 / 1		
# of strides	10.35		
	9.66		

**FINAL - 2009 IAAF World Championships (Berlin, GER)**

date	20-Aug-09	time	5.73	10.15	14.80	19.89	19.89
reaction time	0.148	interval		4.42	4.65	5.09	
wind	-0.3 m/s	velocity	8.73	11.31	10.75	9.82	10.06

*Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

	8 / 4		
# of strides	10.15	9.74	0.41
	90.7	9.85	10.27

**Semi-Final 1 - 2009 IAAF World Championships (Berlin, GER)**

date	19-Aug-09	time	5.78	10.27	15.05	20.35	20.35
reaction time	0.140	interval		4.49	4.78	5.30	
wind	0.0 m/s	velocity	8.65	11.14	10.46	9.43	9.83

*Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

	6 / 3		
# of strides	10.27	10.08	0.19
	92.5	9.74	9.92

**Quarter-Final 2 - 2009 IAAF World Championships (Berlin, GER)**

date	18-Aug-09	time	5.86	10.37	15.13	20.37	20.37
reaction time	0.166	interval		4.51	4.76	5.24	
wind	-0.2 m/s	velocity	8.53	11.09	10.50	9.54	9.82

*Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

	3 / 1		
# of strides	10.37	10.00	0.37
	9.64	10.00	

**Heat 1 - 2009 IAAF World Championships (Berlin, GER)**

date	18-Aug-09	time	5.89	10.50	15.28	20.60	20.60
reaction time	0.146	interval		4.61	4.78	5.32	
wind	-1.5 m/s	velocity	8.49	10.85	10.46	9.40	9.71

*Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

	4 / 1		
# of strides	10.50	10.10	0.40
	9.52	9.90	

**FINAL - 2008 Olympic Games (Beijing, CHN)**

date	20-Aug-08	time	10.20		19.96	19.96
reaction time	0.210	interval			9.76	
wind	-0.9 m/s	velocity	9.80		10.25	10.02

*Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016*

	4 / 4-2		
# of strides	10.20	9.76	0.44
	90.0	9.80	10.25

**FINAL - 2008 USA Olympic Trials (Eugene, OR)**

date	06-Jul-08	time	5.78	10.29	14.92	19.86	19.86
reaction time	0.167	interval		4.51	4.63	4.94	
wind	1.7 m/s	velocity	8.65	11.09	10.80	10.12	10.07

*USATF Women's Sprint Development with HPC (2008)*

	4 / 2		
# of strides	10.29	9.57	0.72
	9.72	10.45	

**Semi-Final 2 - 2008 USA Olympic Trials (Eugene, OR)**

date	05-Jul-08	time	5.83	10.44	14.98	20.21	20.21
reaction time		interval		4.61	4.54	5.23	
wind	-0.9 m/s	velocity	8.58	10.85	11.01	9.56	9.90

*USATF Women's Sprint Development with HPC (2008)*

	4 / 1		
# of strides	10.44	9.77	0.67
	9.58	10.24	

**Quarter-Final 4 - 2008 USA Olympic Trials (Eugene, OR)**

date	05-Jul-08	time	5.95	10.59	15.16	20.33	20.33
reaction time		interval		4.64	4.57	5.17	
wind	1.8 m/s	velocity	8.40	10.78	10.94	9.67	9.84

*USATF Women's Sprint Development with HPC (2008)*

	6 / 1		
# of strides	10.59	9.74	0.85
	9.44	10.27	

**Heat 1 - 2008 USA Olympic Trials (Eugene, OR)**

date	04-Jul-08	time	5.92	10.46	15.03	20.18	20.18
reaction time		interval		4.54	4.57	5.15	
wind	1.0 m/s	velocity	8.45	11.01	10.94	9.71	9.91

*USATF Women's Sprint Development with HPC (2008)*

	7 / 1		
# of strides	10.46	9.72	0.74
	9.56	10.29	

**FINAL - 2005 USATF National Championships (Carson, CA)**

date	26-Jun-05	time	5.89	10.22	14.98	20.12	20.12
reaction time		interval		4.33	4.76	5.14	
wind	-0.9 m/s	velocity	8.49	11.55	10.50	9.73	9.94

*USATF Women's Sprint Development (2005)*

	9 / 3		
# of strides	10.22	9.90	0.32
	91.7	9.78	10.10

**FINAL - 2004 Olympic Games (Athens, GRE)***Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016*

date	26-Aug-04	time	10.2	19.8	19.79	4 / 1			
reaction time	0.226	interval		9.60	<b>PB</b>	# of strides	10.20	9.60	0.60
wind	1.2 m/s	velocity	9.80	10.42	10.11		9.80	10.42	

**FINAL - 2004 USA Olympic Trials (Sacramento, CA)***USATF Women's Sprint Development (2004)*

date	18-Jul-04	time	5.72	10.25	14.87	19.99	19.99	5 / 1	
reaction time		interval	4.53	4.62	5.12			# of strides	10.25 9.74 0.51
wind	-0.7 m/s	velocity	8.74	11.04	10.82	9.77	10.01		9.76 10.27

**Semi-Final 2 - 2004 USA Olympic Trials (Sacramento, CA)***USATF Women's Sprint Development (2004)*

date	17-Jul-04	time	5.87	10.41	15.03	20.00	20.00	3 / 1	
reaction time		interval	4.54	4.62	4.97			# of strides	10.41 9.59 0.82
wind	0.1 m/s	velocity	8.52	11.01	10.82	10.06	10.00		9.61 10.43

**FINAL - 2003 USATF National Championships (Palo Alto, CA)***USATF Women's Sprint Development (2003)*

date	22-Jun-03	time	5.99	10.54	15.28	20.35	20.35	2 / 6	
reaction time		interval	4.55	4.74	5.07			# of strides	10.54 9.81 0.73
wind	0.1 m/s	velocity	8.35	10.99	10.55	9.86	9.83		9.49 10.19

**FINAL - 2001 IAAF World Championships (Edmonton, CAN)***Butler (2013) - IAAF world championships statistics handbook- moscow 2013*

date	09-Aug-01	time	10.3			20.2	20.20	2 / 3	
reaction time	0.161	interval			9.90			# of strides	10.30 9.90 0.40
wind	0.2 m/s	velocity	9.71			10.10	9.90		9.71 10.10

**Cribari, Marco (SUI) (1985)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Heat 7 - 2009 IAAF World Championships (Berlin, GER)***Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	18-Aug-09	time	6.01	10.67	15.55	20.80	20.80	5 / 2	
reaction time	0.144	interval	4.66	4.88	5.25			# of strides	10.67 10.13 0.54
wind	-0.6 m/s	velocity	8.32	10.73	10.25	9.52	9.62		9.37 9.87

**Quarter-Final 3 - 2007 IAAF World Championships (Osaka, JPN)***Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	28-Aug-07	time	6.08	10.73	15.61	20.86	20.86	8 / 7	
reaction time	0.168	interval	4.65	4.88	5.25			# of strides	10.73 10.13 0.60
wind	0.9 m/s	velocity	8.22	10.75	10.25	9.52	9.59		89.2 9.32 9.87

**Cunningham, Cortez (USA) (2000)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Heat 3 - 2024 USA Olympic Trials (Eugene, OR)***USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date	27-Jun-24	time	6.07	10.96	16.04	21.61	21.61	7 / <del>8</del> 7	
reaction time		interval	4.89	5.08	5.57			# of strides	10.96 10.65 0.31
wind	1.1 m/s	velocity	8.24	10.22	9.84	8.98	9.25		93.5 9.12 9.39

**Curry, Jeremiah (USA) (2000)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2024 USA Olympic Trials (Eugene, OR)***USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date	29-Jun-24	time	6.00	10.69	15.62	20.57	20.57	2 / 8	
reaction time		interval	4.69	4.93	4.95			# of strides	10.69 9.88 0.81
wind	0.5 m/s	velocity	8.33	10.66	10.14	10.10	9.72		91.0 9.35 10.12

**Semi-Final 2 - 2024 USA Olympic Trials (Eugene, OR)***USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date	28-Jun-24	time	6.04	10.68	15.38	20.31	20.31	9 / 3	
reaction time		interval	4.64	4.70	4.93			# of strides	10.68 9.63 1.05
wind	0.7 m/s	velocity	8.28	10.78	10.64	10.14	9.85		90.0 9.36 10.38

**Heat 3 - 2024 USA Olympic Trials (Eugene, OR)***USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date	27-Jun-24	time	6.07	10.78	15.65	20.76	20.76	2 / <del>5</del> 4	
reaction time		interval	4.71	4.87	5.11			# of strides	10.78 9.98 0.80
wind	1.1 m/s	velocity	8.24	10.62	10.27	9.78	9.63		91.0 9.28 10.02

**FINAL - 2024 Prefontaine Classic (Eugene, OR)***Omega Timing (2024) - diamond league race analysis*

date	25-May-24	time	5.95	10.53	15.34	20.69	20.69	9 / 7	
reaction time	0.155	interval	4.58	4.81	5.35			# of strides	10.53 10.16 0.37
wind	1.8 m/s	velocity	8.40	10.92	10.40	9.35	9.67		91.0 9.50 9.84

**da Silva, Claudinei Quirino (BRA) (19**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 1999 IAAF World Championships (Sevilla, ESP)***Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999*

date	27-Aug-99	time	5.88	10.32	14.99	20.00	20.00	6 / 2	
reaction time	0.138	interval	4.44	4.67	5.01	<b>PB</b>		# of strides	10.32 9.68 0.64

wind 1.2 m/s velocity 8.50 11.26 10.71 9.98 10.00 9.69 10.33

**FINAL** - 1997 IAAF World Championships (Athens, GRE) *Ritzdorf (1997) - biomechanical research project at Vlth world championships athletics*  
 date 08-Aug-97 time 5.76 10.42 15.22 20.12 20.26 5 / 3  
 reaction time 0.141 interval 4.66 4.80 4.90 # of strides 10.42 9.70 0.72  
 wind 2.3 m/s velocity 8.68 10.73 10.42 10.20 9.87 86.0 9.60 10.31

**da Silva, João Eugênio (BRA) (1963) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**FINAL** - 1984 Olympic Games (Los Angeles, CA) *Vogel (1984) - olympische spiele in los angeles*  
 date 08-Aug-84 time 10.47 20.30 20.30 8 / 4  
 reaction time 0.165 interval 9.83 # of strides 10.47 9.83 0.64  
 wind -0.9 m/s velocity 9.55 10.17 9.85 9.55 10.17

**FINAL** - 1983 IAAF World Championships (Helsinki, FIN) *Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints*  
 date 14-Aug-83 time 10.60 15.51 20.80 20.80 8 / 8  
 reaction time 0.211 interval 4.91 5.29 # of strides 10.60 10.20 0.40  
 wind 1.2 m/s velocity 9.43 10.18 9.45 9.62 87.2 9.43 9.80

**da Silva, Lucas (BRA) (2001) 50m 100m 150m Official Time Lane / Place 0-100m 100-200m Differential**

**Heat 7** - 2023 World Athletics Championships (Budapest, HUN) *Seiko Timing (2023) - world championship race analysis*  
 date 23-Aug-23 time 11.72 20.86 20.86 4 / 5  
 reaction time 0.138 interval 9.14 # of strides 11.72 9.14 2.58  
 wind -0.1 m/s velocity 8.53 10.94 9.59 83.0 8.53 10.94

**Heat 1** - 2022 World Athletics Championships (Eugene, OR) *Timing by Seiko (2022) - world athletics championships race analysis*  
 date 18-Jul-22 time 10.78 20.90 20.90 2 / 6  
 reaction time 0.128 interval 10.12 # of strides 10.78 10.12 0.66  
 wind 1.0 m/s velocity 9.28 9.88 9.57 83.5 9.28 9.88

**da Silva, Robson Caetano (BRA) (1961) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**FINAL** - 1991 IAAF World Championships (Tokyo, JPN) *Butler (2013) - IAAF world championships statistics handbook- moscow 2013*  
 date 27-Aug-91 time 10.47 20.49 20.49 1 / 4  
 reaction time interval 10.02 # of strides 10.47 10.02 0.45  
 wind -3.4 m/s velocity 9.55 9.98 9.76 87.2 9.55 9.98

**FINAL** - 1989 IAAF World Cup (Barcelona, ESP) *Pascua (1990) - atletismo (I) carreras y marcha*  
 date 10-Sep-89 time 10.41 15.07 20.00 20.00 / 1  
 reaction time 0.235 interval 4.66 4.93 # of strides 10.41 9.59 0.82  
 wind 1.9 m/s velocity 9.61 10.73 10.14 10.00 9.61 10.43

**FINAL** - 1988 Olympic Games (Seoul, KOR) *Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988*  
 date 28-Sep-88 time 5.84 10.41 15.11 20.04 20.04 4 / 3  
 reaction time 0.223 interval 4.57 4.70 4.93 **PB** # of strides 10.41 9.63 0.78  
 wind 1.7 m/s velocity 8.56 10.94 10.64 10.14 9.98 86.8 9.61 10.38

**Semi-Final 1** - 1988 Olympic Games (Seoul, KOR) *Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988*  
 date 28-Sep-88 time 5.84 10.47 15.25 20.28 20.28 3 / 2  
 reaction time 0.213 interval 4.63 4.78 5.03 # of strides 10.47 9.81 0.66  
 wind 1.5 m/s velocity 8.56 10.80 10.46 9.94 9.86 9.55 10.19

**FINAL** - 1987 IAAF World Championships (Rome, ITA) *Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)*  
 date 03-Sep-87 time 10.50 15.22 20.22 20.22 4 / 4  
 reaction time 0.254 interval 4.72 5.00 # of strides 10.50 9.72 0.78  
 wind -0.4 m/s velocity 9.52 10.59 10.00 9.89 88.2 9.52 10.29

**Dahlöf, Carl (SWE) (1988) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**E FINAL** - 2007 Windsprint (Sundsvall, SWE) *(2007) - www.ssg.se/en/Windsprint/Split-times/*  
 date 24-Jul-07 time 11.73 17.12 23.18 23.18 3 / 3  
 reaction time interval 5.39 6.06 # of strides 11.73 11.45 0.28  
 wind 0.8 m/s velocity 8.53 9.28 8.25 8.63 8.53 8.73

**Dambile, Sinesipho (RSA) (2002) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**Semi-Final 2** - 2023 World Athletics Championships (Budapest, HUN) *Seiko Timing (2023) - world championship race analysis*  
 date 24-Aug-23 time 10.52 20.28 20.28 9 / 4  
 reaction time 0.162 interval 9.76 **PB** # of strides 10.52 9.76 0.76  
 wind 0.0 m/s velocity 9.51 10.25 9.86 186.0 9.51 10.25

**Heat 6 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time	10.58	20.34	20.34	8 / 3			
reaction time	0.156	interval		9.76		# of strides	10.58	9.76	0.82
wind	-0.5 m/s	velocity	9.45	10.25	9.83	84.2	9.45	10.25	

**Semi-Final 1 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	19-Jul-22	time	10.55	20.47	20.47	5 / 5			
reaction time	0.146	interval		9.92		# of strides	10.55	9.92	0.63
wind	-0.1 m/s	velocity	9.48	10.08	9.77	85.0	9.48	10.08	

**Heat 5 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	18-Jul-22	time	10.56	20.29	20.29	5 / 2			
reaction time	0.134	interval		9.73	<b>PB</b>	# of strides	10.56	9.73	0.83
wind	0.4 m/s	velocity	9.47	10.28	9.86	85.2	9.47	10.28	

**Dang, Joakim (NOR) (1990)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**F FINAL - 2014 Windsprint (Sundsvall, SWE)***Johansen (2014) - www.ssg.se/windsprint/Splittider/*

date	20-Jul-14	time	11.35	22.65	22.65	5 / 2			
reaction time		interval		11.30		# of strides	11.35	11.30	0.05
wind	1.2 m/s	velocity	8.81	8.85	8.83		8.81	8.85	

**Davis, Harold (USA) (1921)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 1943 ??? (New York, NY) (200m Straightaway)***Quercentani (2000). Athletics: A history of modern track and field athletics (1860-2000)*

date	20-Jun-43	time	9.9	20.2	20.2	1 / 1			
reaction time		interval		10.3		# of strides	9.90	10.30	-0.40
wind	+ m/s	velocity	10.10	4.85	9.90		10.10	9.71	

**FINAL - 1941 ??? (Fresno, CA) (220y Straightaway)***Quercentani (2000). Athletics: A history of modern track and field athletics (1860-2000)*

date	17-May-41	time	10.3	20.1	20.1	1 / 1			
reaction time		interval		9.8	(20.2/220y)	# of strides	10.30	9.80	0.50
wind	+ m/s	velocity	9.71	5.10	9.95		9.71	10.20	

**de Barros, Bruno (BRA) (1987)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2011 IAAF World Championships (Daegu, KOR)***Butler (2013) - IAAF world championships statistics handbook- moscow 2013*

date	03-Sep-11	time	10.5	20.31	20.31	2 / 6			
reaction time	0.158	interval		9.81		# of strides	10.50	9.81	0.69
wind	0.8 m/s	velocity	9.52	10.19	9.85	87.7	9.52	10.19	

**de Grasse, Andre (CAN) (1994)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Semi-Final 1 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympc Games - Results Book (2024)*

date	07-Aug-24	time	5.95	10.55	15.33	20.41	20.41	5 / 3	
reaction time	0.129	interval		4.60	4.78	5.08		# of strides	10.55
wind	-0.1 m/s	velocity	8.40	10.87	10.46	9.84	9.80	87.7	9.48

**Heat 6 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympc Games - Results Book (2024)*

date	05-Aug-24	time	5.90	10.53	15.28	20.30	20.30	7 / 2	
reaction time	0.146	interval		4.63	4.75	5.02		# of strides	10.53
wind	0.1 m/s	velocity	8.47	10.80	10.53	9.96	9.85	88.0	9.50

**FINAL - 2023 Prefontaine Classic (Eugene, OR)***Omega Timing (2023) - diamond league race analysis*

date	17-Sep-23	time	5.83	10.34	14.93	19.76	19.76	6 / 1	
reaction time	0.148	interval		4.51	4.59	4.83		# of strides	10.34
wind	0.6 m/s	velocity	8.58	11.09	10.89	10.35	10.12	86.2	9.67

**FINAL - 2023 Memorial van Damme (Brussels, BEL)***Omega Timing (2023) - diamond league race analysis*

date	08-Sep-23	time	5.84	10.34	14.97	19.89	19.89	5 / 3	
reaction time	0.171	interval		4.50	4.63	4.92		# of strides	10.34
wind	-0.1 m/s	velocity	8.56	11.11	10.80	10.16	10.06	89.0	9.67

**FINAL - 2023 Weltklasse (Zürich, SUI)***Omega Timing (2023) - diamond league race analysis*

date	31-Aug-23	time	5.86	10.43	15.17	20.26	20.26	4 / 5	
reaction time	0.170	interval		4.57	4.74	5.09		# of strides	10.43
wind	-0.5 m/s	velocity	8.53	10.94	10.55	9.82	9.87	90.0	9.59

**FINAL - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	25-Aug-23	time	10.59	20.14	20.14	3 / 6			
reaction time	0.170	interval		9.55		# of strides	10.59	9.55	1.04

wind	-0.2 m/s	velocity	9.44	10.47	9.93	90.0	9.44	10.47			
<b>Semi-Final 3 - 2023 World Athletics Championships (Budapest, HUN) Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC</b>											
date	24-Aug-23	time	5.85	10.41	15.10	20.10	20.10	5 / 3			
reaction time	0.152	interval	4.56	4.69	5.00			# of strides	10.41	9.69	0.72
wind	-0.4 m/s	velocity	8.55	10.96	10.66	10.00	9.95	190.5	9.61	10.32	
<b>Heat 6 - 2023 World Athletics Championships (Budapest, HUN) Seiko Timing (2023) - world championship race analysis</b>											
date	23-Aug-23	time	10.48	20.28	20.28	7 / 2					
reaction time	0.145	interval	9.80					# of strides	10.48	9.80	0.68
wind	-0.5 m/s	velocity	9.54	10.20	9.86	89.0			9.54	10.20	
<b>FINAL - 2023 Athletissima (Lausanne, SUI) Omega Timing (2023) - diamond league race analysis</b>											
date	30-Jun-23	time	5.93	10.63	15.46	20.57	20.57	3 / 6			
reaction time	0.144	interval	4.70	4.83	5.11			# of strides	10.63	9.94	0.69
wind	-1.4 m/s	velocity	8.43	10.64	10.35	9.78	9.72		9.41	10.06	
<b>FINAL - 2023 Bislett Games (Oslo, NOR) Omega Timing (2023) - diamond league race analysis</b>											
date	15-Jun-23	time	5.93	10.58	15.32	20.33	20.33	7 / 5			
reaction time	0.148	interval	4.65	4.74	5.01			# of strides	10.58	9.75	0.83
wind	0.6 m/s	velocity	8.43	10.75	10.55	9.98	9.84	90.0	9.45	10.26	
<b>FINAL - 2023 Doha Diamond League (Doha, QAT) Omega Timing (2023) - diamond league race analysis</b>											
date	05-May-23	time	5.91	10.46	15.16	20.35	20.35	8 / 6			
reaction time	0.137	interval	4.55	4.70	5.19			# of strides	10.46	9.89	0.57
wind	0.3 m/s	velocity	8.46	10.99	10.64	9.63	9.83	91.0	9.56	10.11	
<b>FINAL - 2022 Weltklasse (Zürich, SUI) Omega Timing (2022) - diamond league race analysis</b>											
date	08-Sep-22	time	5.98	10.59	15.38	20.43	20.43	8 / 6			
reaction time	0.152	interval	4.61	4.79	5.05			# of strides	10.59	9.84	0.75
wind	-0.6 m/s	velocity	8.36	10.85	10.44	9.90	9.79	88.0	9.44	10.16	
<b>FINAL - 2022 Meeting de Paris (Paris, FRA) Omega Timing (2022) - diamond league race analysis</b>											
date	18-Jun-22	time	5.88	10.51	15.28	20.38	20.38	6 / 4			
reaction time	0.163	interval	4.63	4.77	5.10			# of strides	10.51	9.87	0.64
wind	0.6 m/s	velocity	8.50	10.80	10.48	9.80	9.81	90.0	9.51	10.13	
<b>FINAL - 2022 Doha Diamond League (Doha, QAT) Omega Timing (2022) - diamond league race analysis</b>											
date	13-May-22	time	5.9	10.5	15.3	20.15	20.15	7 / 4			
reaction time	0.147	interval	4.60	4.80	4.85			# of strides	10.50	9.65	0.85
wind	2.1 m/s	velocity	8.47	10.87	10.42	10.31	9.93	90.0	9.52	10.36	
<b>FINAL - 2021 Weltklasse (Zürich, SUI) Omega Timing (2021) - diamond league race analysis</b>											
date	09-Sep-21	time	5.8	10.3	15.0	19.72	19.72	6 / 2			
reaction time	0.160	interval	4.50	4.70	4.72			# of strides	10.30	9.42	0.88
wind	0.5 m/s	velocity	8.62	11.11	10.64	10.59	10.14	88.2	9.71	10.62	
<b>FINAL - 2021 Bislett Games (Oslo, NOR) Omega Timing (2021) - diamond league race analysis</b>											
date	01-Jul-21	time	5.8	10.4	15.1	20.09	20.09	7 / 1			
reaction time	0.159	interval	4.60	4.70	4.99			# of strides	10.40	9.69	0.71
wind	-1.0 m/s	velocity	8.62	10.87	10.64	10.02	9.96	90.0	9.62	10.32	
<b>FINAL - 2021 Doha Diamond League (Doha, QAT) Omega Timing (2021) - diamond league race analysis</b>											
date	28-May-21	time	5.8	10.4	15.0	19.89	19.89	5 / 2			
reaction time	0.174	interval	4.60	4.60	4.89			# of strides	10.40	9.49	0.91
wind	0.4 m/s	velocity	8.62	10.87	10.87	10.22	10.06	89.0	9.62	10.54	
<b>FINAL - 2021 Müller Grand Prix (Gateshead, GBR) Omega Timing (2021) - diamond league race analysis</b>											
date	23-May-21	time	6.4	11.2	16.1	20.85	20.85	5 / 3			
reaction time	0.168	interval	4.80	4.90	4.75			# of strides	11.20	9.65	1.55
wind	-3.0 m/s	velocity	7.81	10.42	10.20	10.53	9.59	90.7	8.93	10.36	
<b>FINAL - 2019 IAAF World Championships (Doha, QAT) Takahashi (2019) - race analysis top 200m athletes- domestic and international</b>											
date	01-Oct-19	time	5.79	10.29	14.96	19.95	19.95	7 / 2			
reaction time	0.168	interval	4.50	4.67	4.99			# of strides	10.29	9.66	0.63
wind	0.3 m/s	velocity	8.64	11.11	10.71	10.02	10.03	90.7	9.72	10.35	

**FINAL - 2019 Memorial van Damme (Brussels, BEL)***Omega Timing (2019) - diamond league race analysis*

date	06-Sep-19	time	5.8	10.4	15.0	19.87	19.87	6 / 3			
reaction time	0.105	interval		4.6	4.6	4.87		# of strides	10.40	9.47	0.93
wind	0.8 m/s	velocity	8.62	10.87	10.87	10.27	10.07	89.7	9.62	10.56	

**FINAL - 2019 Athletissima (Lausanne, SUI)***Omega Timing (2019) - diamond league race analysis*

date	05-Jul-19	time	5.8	10.3	15.0	19.92	19.92	5 / 3			
reaction time	0.119	interval		4.5	4.7	4.92		# of strides	10.30	9.62	0.68
wind	-0.1 m/s	velocity	8.62	11.11	10.64	10.16	10.04	88.0	9.71	10.40	

**FINAL - 2016 Olympic Games (Rio de Janeiro, BRA)***Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

date	18-Aug-16	time	5.77	10.36	15.06	20.02	20.02	4 / 2			
reaction time	0.141	interval		4.59	4.70	4.96		# of strides	10.36	9.66	0.70
wind	-0.5 m/s	velocity	8.67	10.89	10.64	10.08	9.99	89.7	9.65	10.35	

**Semi-Final 2 - 2016 Olympic Games (Rio de Janeiro, BRA)***Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

date	17-Aug-16	time	5.77	10.31	14.94	19.80	19.80	5 / 2			
reaction time	0.130	interval		4.54	4.63	4.86		# of strides	10.31	9.49	0.82
wind	-0.3 m/s	velocity	8.67	11.01	10.80	10.29	10.10		9.70	10.54	

**Heat 10 - 2016 Olympic Games (Rio de Janeiro, BRA)***Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

date	16-Aug-16	time	5.78	10.33	15.00	20.09	20.09	/ 1			
reaction time		interval		4.55	4.67	5.09		# of strides	10.33	9.76	0.57
wind	1.0 m/s	velocity	8.65	10.99	10.71	9.82	9.96		9.68	10.25	

**de Morães, Basilio (BRA) (1982)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Quarter-Final 2 - 2007 IAAF World Championships (Osaka, JPN)***Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	28-Aug-07	time	5.94	10.52	15.54	21.07	21.08	9 / 7			
reaction time	0.145	interval		4.58	5.02	5.53		# of strides	10.52	10.55	-0.03
wind	-0.3 m/s	velocity	8.42	10.92	9.96	9.04	9.49	92.5	9.51	9.48	

**de Oliveira, Nil (SWE) (1986)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****A FINAL - 2015 Windsprint (Sundsvall, SWE)***(2015) - www.windsprint/Splittider/*

date	26-Jul-15	time		10.95		21.42	21.42	6 / 3			
reaction time		interval				10.47		# of strides	10.95	10.47	0.48
wind	0.4 m/s	velocity		9.13		9.55	9.34		9.13	9.55	

**B FINAL - 2014 Windsprint (Sundsvall, SWE)***Johansen (2014) - www.ssg.se/windsprint/Splittider/*

date	20-Jul-14	time		10.99		21.09	21.09	4 / 1			
reaction time		interval				10.10		# of strides	10.99	10.10	0.89
wind	2.1 m/s	velocity		9.10		9.90	9.48		9.10	9.90	

**FINAL - 2012 Windsprint (Sundsvall, SWE)***(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx*

date	17-Jun-12	time		10.86		20.78	20.78	/ 2			
reaction time		interval				9.92		# of strides	10.86	9.92	0.94
wind	1.5 m/s	velocity		9.21		4.81	9.62		9.21	10.08	

**Dede, Bruno Chikwadoro (JPN) (1958)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2021 Japanese National Championships (Osaka, JPN)***Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season*

date	27-Jun-21	time	5.87	10.62	15.50	20.63	20.63	4 / 2			
reaction time	0.167	interval		4.75	4.88	5.13	<b>PB</b>	# of strides	10.62	10.01	0.61
wind	1.0 m/s	velocity	8.52	10.53	10.25	9.75	9.69	91.7	9.42	9.99	

**Dede, Bruno (JPN) (2000)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2018 Japanese National Junior (U20) Championships (Nagano, JPN)***Ryutarō (2018) - research on athlete performance and technique*

date	21-Oct-18	time	6.08	10.96	16.03	21.39	21.39	1 / 8			
reaction time	0.142	interval		4.88	5.07	5.36		# of strides	10.96	10.43	0.53
wind	0.5 m/s	velocity	8.22	10.25	9.86	9.33	9.35	92.5	9.12	9.59	

**DeLoach, Joe (USA) (1967)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 1988 Olympic Games (Seoul, KOR)***Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988*

date	28-Sep-88	time	5.81	10.35	14.97	19.75	19.75	6 / 1			
reaction time	0.185	interval		4.54	4.62	4.78	<b>OR / PB</b>	# of strides	10.35	9.40	0.95
wind	1.7 m/s	velocity	8.61	11.01	10.82	10.46	10.13	85.6	9.66	10.64	

**Semi-Final 2 - 1988 Olympic Games (Seoul, KOR)***Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988*



date	28-Sep-88	time	5.93	10.49	15.15	20.06	20.06	6 / 1			
reaction time	0.213	interval		4.56	4.66	4.91		# of strides	10.49	9.57	0.92
wind	1.6 m/s	velocity	8.43	10.96	10.73	10.18	9.97		9.53	10.45	

**FINAL - 1988 USA Olympic Trials (Indianapolis, IN)***Hymans (2008) - history of the US olympic trials - track and field*

date	20-Jul-88	time		10.3		19.96	19.96	5 / 1			
reaction time		interval				9.66	<b>PB</b>	# of strides	10.30	9.66	0.64
wind	1.0 m/s	velocity		9.71		10.35	10.02		9.71	10.35	

**Deloney, Brandon (USA) (1989)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2008 USATF National Junior Championships (Columbus, OH)***USATF Women's Sprint Development with HPC (2008)*

date	22-Jun-08	time		10.80	15.85	21.44	21.44	5 / 4			
reaction time		interval			5.05	5.59		# of strides	10.80	10.64	0.16
wind	-2.2 m/s	velocity		9.26	9.90	8.94	9.33		9.26	9.40	

**Desalu, Eseosa (ITA) (1994)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2024 Kamila Skolimowska Memorial (Silesia, POL)***Omega Timing (2024) - diamond league race analysis*

date	25-Aug-24	time	6.09	10.75	15.50	20.62	20.62	2 / 8			
reaction time	0.170	interval		4.66	4.75	5.12		# of strides	10.75	9.87	0.88
wind	0.6 m/s	velocity	8.21	10.73	10.53	9.77	9.70	89.0	9.30	10.13	

**Semi-Final 2 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympc Games - Results Book (2024)*

date	07-Aug-24	time	5.95	10.53	15.22	20.37	20.37	7 / 4			
reaction time	0.141	interval		4.58	4.69	5.15		# of strides	10.53	9.84	0.69
wind	-0.2 m/s	velocity	8.40	10.92	10.66	9.71	9.82	89.0	9.50	10.16	

**Heat 1 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympc Games - Results Book (2024)*

date	05-Aug-24	time	6.00	10.58	15.20	20.26	20.26	9 / 2			
reaction time	0.168	interval		4.58	4.62	5.06		# of strides	10.58	9.68	0.90
wind	0.1 m/s	velocity	8.33	10.92	10.82	9.88	9.87	88.0	9.45	10.33	

**Heat 1 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time		10.59		20.49	20.49	3 / 6			
reaction time	0.143	interval				9.90		# of strides	10.59	9.90	0.69
wind	0.0 m/s	velocity		9.44		10.10	9.76	89.0	9.44	10.10	

**FINAL - 2023 Golden Gala Pietro Mennea (Firenze, ITA)***Omega Timing (2023) - diamond league race analysis*

date	02-Jun-23	time	6.08	10.73	15.58	20.90	20.90	8 / 7			
reaction time	0.197	interval		4.65	4.85	5.32		# of strides	10.73	10.17	0.56
wind	0.0 m/s	velocity	8.22	10.75	10.31	9.40	9.57	91.0	9.32	9.83	

**FINAL - 2022 Weltklasse (Zürich, SUI)***Omega Timing (2022) - diamond league race analysis*

date	08-Sep-22	time	5.99	10.59	15.45	20.79	20.79	1 / 8			
reaction time	0.142	interval		4.60	4.86	5.34		# of strides	10.59	10.20	0.39
wind	-0.6 m/s	velocity	8.35	10.87	10.29	9.36	9.62	90.0	9.44	9.80	

**FINAL - 2022 Memorial van Damme (Brussels, BEL)***Omega Timing (2022) - diamond league race analysis*

date	02-Sep-22	time	5.99	10.64	15.59	21.09	21.09	1 / 8			
reaction time	0.138	interval		4.65	4.95	5.50		# of strides	10.64	10.45	0.19
wind	-2.9 m/s	velocity	8.35	10.75	10.10	9.09	9.48	94.0	9.40	9.57	

**Heat 4 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	18-Jul-22	time		10.60		20.63	20.63	4 / 4			
reaction time	0.123	interval				10.03		# of strides	10.60	10.03	0.57
wind	0.5 m/s	velocity		9.43		9.97	9.69	92.0	9.43	9.97	

**FINAL - 2022 Meeting de Paris (Paris, FRA)***Omega Timing (2022) - diamond league race analysis*

date	18-Jun-22	time	5.96	10.58	15.37	20.52	20.52	2 / 6			
reaction time	0.129	interval		4.62	4.79	5.15		# of strides	10.58	9.94	0.64
wind	0.6 m/s	velocity	8.39	10.82	10.44	9.71	9.75	92.0	9.45	10.06	

**FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)***Omega Timing (2022) - diamond league race analysis*

date	09-Jun-22	time	5.99	10.57	15.32	20.59	20.59	8 / 4			
reaction time	0.132	interval		4.58	4.75	5.27		# of strides	10.57	10.02	0.55
wind	-0.1 m/s	velocity	8.35	10.92	10.53	9.49	9.71	92.0	9.46	9.98	

**FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)***Omega Timing (2022) - diamond league race analysis*

date	05-Jun-22	time	5.96	10.54	15.34	20.54	20.54	8 / 3			
reaction time	0.120	interval		4.58	4.80	5.20		# of strides	10.54	10.00	0.54
wind	2.0 m/s	velocity	8.39	10.92	10.42	9.62	9.74	91.7	9.49	10.00	

**FINAL - 2021 Athletissima (Lausanne, SUI)***Omega Timing (2021) - diamond league race analysis*

date	26-Aug-21	time	6.0	10.6	15.4	20.56	20.56	1 / <del>2</del> 7			
reaction time	0.140	interval		4.60	4.80	5.16		# of strides	10.60	9.96	0.64
wind	3.2 m/s	velocity	8.33	10.87	10.42	9.69	9.73	90.2	9.43	10.04	

**FINAL - 2021 Bislett Games (Oslo, NOR)***Omega Timing (2021) - diamond league race analysis*

date	01-Jul-21	time	6.0	10.5	15.4	20.71	20.71	4 / 4			
reaction time	0.136	interval		4.50	4.90	5.31		# of strides	10.50	10.21	0.29
wind	-1.0 m/s	velocity	8.33	11.11	10.20	9.42	9.66	93.0	9.52	9.79	

**FINAL - 2020 Memorial Van Damme (Brussels, BEL)***Omega Timing (2020) - diamond league race analysis*

date	04-Sep-20	time	6.1	10.6	15.3	20.39	20.39	6 / 1			
reaction time	0.150	interval		4.50	4.70	5.09		# of strides	10.60	9.79	0.81
wind	0.1 m/s	velocity	8.20	11.11	10.64	9.82	9.81	89.2	9.43	10.21	

**FINAL - 2019 The Match - Europe v USA (Minsk, BLR)***European Athletics (2019) - race analysis*

date	10-Sep-19	time		10.67		20.66	20.66	7 / 2			
reaction time	0.181	interval				9.99		# of strides	10.67	9.99	0.68
wind	-0.1 m/s	velocity		9.37		10.01	9.68	90.5	9.37	10.01	

**Heat 4 - 2014 European Championships (Zurich, SUI)***Incalza (2014) - www.youtube.com/watch?v=tpgO9k0qovE&list=UU7691fXeyNFIMROfKJ-WWUg*

date	14-Aug-14	time		10.57		20.55	20.55	4 / 2			
reaction time	0.124	interval				9.98	<b>PB</b>	# of strides	10.57	9.98	0.59
wind	-0.2 m/s	velocity		9.46		10.02	9.73		9.46	10.02	

**Devonish, Marlon (GBR) (1976)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2012 Great North CityGames (Newcastle, GBR) (150m straightaway)***Jalava (2012) - www.tilastopaja.org*

date	15-Sep-12	time	5.82	10.34	15.20		15.20	3 / 2		<b>50-150m</b>
reaction time		interval		4.52	4.86			# of strides	10.34	9.38
wind	0.7 m/s	velocity	8.59	11.06	10.29		9.87		9.67	10.66

**FINAL - 2012 Great CityGames (Manchester, GBR) (150m straightaway)***Jalava (2012) - www.tilastopaja.org*

date	20-May-12	time		10.44	15.37		15.37	1 / 3		
reaction time		interval			4.93			# of strides	10.44	
wind	-0.1 m/s	velocity		9.58	10.14		9.76		9.58	

**FINAL - 2011 Great CityGames (Manchester, GBR) (150m straightaway)***Butler (2011) - Gay's last 100 in Manchester street 150*

date	15-May-11	time	5.78	10.26	15.10		15.10	2 / 3		<b>50-150m</b>
reaction time		interval		4.48	4.84			# of strides	10.26	9.32
wind	1.5 m/s	velocity	8.65	11.16	10.33		9.93		9.75	10.73

**Semi-Final 2 - 2009 IAAF World Championships (Berlin, GER)***Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	19-Aug-09	time	5.87	10.48	15.40	20.62	20.62	6 / 7			
reaction time	0.154	interval		4.61	4.92	5.22		# of strides	10.48	10.14	0.34
wind	0.3 m/s	velocity	8.52	10.85	10.16	9.58	9.70		9.54	9.86	

**Quarter-Final 2 - 2009 IAAF World Championships (Berlin, GER)***Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	18-Aug-09	time	5.89	10.56	15.47	20.66	20.66	6 / 2			
reaction time	0.154	interval		4.67	4.91	5.19		# of strides	10.56	10.10	0.46
wind	-0.2 m/s	velocity	8.49	10.71	10.18	9.63	9.68		9.47	9.90	

**Heat 4 - 2009 IAAF World Championships (Berlin, GER)***Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	18-Aug-09	time	5.98	10.70	15.62	20.92	20.92	8 / 1			
reaction time	0.153	interval		4.72	4.92	5.30		# of strides	10.70	10.22	0.48
wind	0.2 m/s	velocity	8.36	10.59	10.16	9.43	9.56		9.35	9.78	

**FINAL - 2009 Great CityGames (Manchester, GBR) (150m straightaway)***(2009) - www.greatcitygames.org/Results/2009\_gcgm.aspx*

date	17-May-09	time	5.77	10.27	15.07		15.07	1 / 2		<b>50-150m</b>
reaction time		interval		4.50	4.80			# of strides	10.27	9.30
wind	1.1 m/s	velocity	8.67	11.11	10.42		9.95		9.74	10.75

**Heat 2 - 2009 Great CityGames (Manchester, GBR) (150m straightaway)***Jalava (2009) - www.tilastopaja.org*

date	17-May-09	time	10.41	15.37	15.37	/ 1
reaction time		interval		4.96		# of strides
wind	0.2 m/s	velocity	9.61	10.08	9.76	10.41
						9.61

**FINAL - 2008 IAAF World Athletic Final (Stuttgart, GER)**Graubner (2009) - <http://www.fgs.uni-halle.de>

date	14-Sep-08	time	6.04	10.74	15.73	21.02	21.02	2 / 7
reaction time	0.151	interval		4.70	4.99	5.29		# of strides
wind	-0.1 m/s	velocity	8.28	10.64	10.02	9.45	9.51	10.74
								10.28
								0.46
								9.31
								9.73

**FINAL - 2007 European Cup (Munich, GER)**Graubner (2007) - <http://www.fgs.uni-halle.de>

date	24-Jun-07	time	10.41	15.19	20.33	20.33	/ 1
reaction time	0.141	interval		4.78	5.14		# of strides
wind	1.0 m/s	velocity	9.61	10.46	9.73	9.84	10.41
							9.92
							0.49
							9.61
							10.08

**FINAL - 2002 European Championships (Munich, GER)**Graubner (2009) - <http://www.fgs.uni-halle.de>

date	09-Aug-02	time	5.84	10.45	15.21	20.24	20.24	/ 3
reaction time	0.142	interval		4.61	4.76	5.03		# of strides
wind	-0.5 m/s	velocity	8.56	10.85	10.50	9.94	9.88	10.45
								9.79
								0.66
								9.57
								10.21

**Semi-Final 2 - 2002 European Championships (Munich, GER)**Graubner (2009) - <http://www.fgs.uni-halle.de>

date	09-Aug-02	time	5.83	10.42	15.17	20.23	20.23	/ 2
reaction time	0.142	interval		4.59	4.75	5.06		# of strides
wind	0.2 m/s	velocity	8.58	10.89	10.53	9.88	9.89	10.42
								9.81
								0.61
								9.60
								10.19

**Quarter-Final 2 - 2002 European Championships (Munich, GER)**Graubner (2009) - <http://www.fgs.uni-halle.de>

date	08-Aug-02	time	5.87	10.47	15.27	20.41	20.41	/ 2
reaction time	0.143	interval		4.60	4.80	5.14		# of strides
wind	-0.8 m/s	velocity	8.52	10.87	10.42	9.73	9.80	10.47
								9.94
								0.53
								9.55
								10.06

**Heat 3 - 2002 European Championships (Munich, GER)**Graubner (2009) - <http://www.fgs.uni-halle.de>

date	08-Aug-02	time	10.71	15.54	20.81	20.81	/ 1
reaction time	0.133	interval		4.83	5.27		# of strides
wind	0.1 m/s	velocity	9.34	10.35	9.49	9.61	10.71
							10.10
							0.61
							9.34
							9.90

**FINAL - 2001 IAAF World Championships (Edmonton, CAN)**Butler (2013) - *IAAF world championships statistics handbook- moscow 2013*

date	09-Aug-01	time	10.2		20.4	20.38	8 / 8
reaction time	0.133	interval			10.18		# of strides
wind	0.2 m/s	velocity	9.80		9.82	9.81	88.2
							9.80
							9.82
							0.02

**FINAL - 2001 European Cup (Bremen, GER)**Graubner (2007) - <http://www.fgs.uni-halle.de>

date	24-Jun-01	time	5.85	10.49	15.34	20.59	20.59	/ 2
reaction time	0.140	interval		4.64	4.85	5.25		# of strides
wind	-0.7 m/s	velocity	8.55	10.78	10.31	9.52	9.71	10.49
								10.10
								0.39
								9.53
								9.90

**Dix, Walter (USA) (1986)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL - 2017 USATF National Championships (Sheepshead Bay, NY) (2017) - [speedendurance.com/2017/07/14/200m-splits-from-usa-national-championships/](http://speedendurance.com/2017/07/14/200m-splits-from-usa-national-championships/)**

date	25-Jun-17	time	10.57		20.63	20.63	2 / 7
reaction time		interval			10.06		# of strides
wind	-2.3 m/s	velocity	9.46		9.94	9.69	92.2
							9.46
							9.94
							0.51

**FINAL - 2011 IAAF World Championships (Daegu, KOR)**KSSB (2011) - *biomechanical analysis of men's 200m (final)*

date	03-Sep-11	time	5.59	10.11	14.75	19.70	19.70	4 / 2
reaction time	0.161	interval		4.52	4.64	4.95		# of strides
wind	0.8 m/s	velocity	8.94	11.06	10.78	10.10	10.15	91.7
								9.89
								10.43
								0.52

**FINAL - 2008 Olympic Games (Beijing, CHN)**Butler (2016) - *IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016*

date	20-Aug-08	time	10.26		19.98	19.98	8 / <del>5</del> 3
reaction time	0.151	interval			9.72		# of strides
wind	-0.9 m/s	velocity	9.75		10.29	10.01	88.0
							9.75
							10.29
							0.54

**FINAL - 2008 USA Olympic Trials (Eugene, OR)**

USATF Women's Sprint Development with HPC (2008)

date	06-Jul-08	time	5.77	10.30	14.94	19.86	19.86	3 / 1
reaction time	0.174	interval		4.53	4.64	4.92		# of strides
wind	1.7 m/s	velocity	8.67	11.04	10.78	10.16	10.07	10.30
								9.56
								0.74
								9.71
								10.46

**Semi-Final 1 - 2008 USA Olympic Trials (Eugene, OR)**

USATF Women's Sprint Development with HPC (2008)

date	05-Jul-08	time	5.87	10.52	15.23	20.09	20.09	4 / 3			
reaction time		interval		4.65	4.71	4.86		# of strides	10.52	9.57	0.95
wind	2.2 m/s	velocity	8.52	10.75	10.62	10.29	9.96		9.51	10.45	

**Quarter-Final 3 - 2008 USA Olympic Trials (Eugene, OR)***USATF Women's Sprint Development with HPC (2008)*

date	05-Jul-08	time	5.93	10.63	15.41	20.56	20.56	7 / 1			
reaction time		interval		4.70	4.78	5.15		# of strides	10.63	9.93	0.70
wind	0.1 m/s	velocity	8.43	10.64	10.46	9.71	9.73		9.41	10.07	

**Heat 4 - 2008 USA Olympic Trials (Eugene, OR)***USATF Women's Sprint Development with HPC (2008)*

date	04-Jul-08	time	6.01	10.73	15.48	20.66	20.66	4 / 1			
reaction time		interval		4.72	4.75	5.18		# of strides	10.73	9.93	0.80
wind	1.2 m/s	velocity	8.32	10.59	10.53	9.65	9.68	93.0	9.32	10.07	

**Dixon, Arman (USA) (1986)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Quarter-Final 3 - 2008 USA Olympic Trials (Eugene, OR)***USATF Women's Sprint Development with HPC (2008)*

date	05-Jul-08	time	6.04	10.92	15.85	21.14	21.14	3 / 6			
reaction time		interval		4.88	4.93	5.29		# of strides	10.92	10.22	0.70
wind	0.1 m/s	velocity	8.28	10.25	10.14	9.45	9.46		9.16	9.78	

**Heat 4 - 2008 USA Olympic Trials (Eugene, OR)***USATF Women's Sprint Development with HPC (2008)*

date	04-Jul-08	time	6.00	10.77	15.63	20.83	20.83	7 / 3			
reaction time		interval		4.77	4.86	5.20		# of strides	10.77	10.06	0.71
wind	1.2 m/s	velocity	8.33	10.48	10.29	9.62	9.60	82.0	9.29	9.94	

**Dixon, Leroy (USA) (1983)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2006 USATF National Championships (Indianapolis, IN)***USATF Women's Sprint Development (2006)*

date	25-Jun-06	time	5.87	10.47	15.33	20.44	20.44	2 / 7			
reaction time		interval		4.60	4.86	5.11	<b>PB</b>	# of strides	10.47	9.97	0.50
wind	0.3 m/s	velocity	8.52	10.87	10.29	9.78	9.78		9.55	10.03	

**Dobson, Charles (GBR) (1999)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2022 Athletissima (Lausanne, SUI)***Omega Timing (2022) - diamond league race analysis*

date	26-Aug-22	time	5.95	10.55	15.33	20.34	20.34	1 / 8			
reaction time	0.145	interval		4.60	4.78	5.01		# of strides	10.55	9.79	0.76
wind	1.3 m/s	velocity	8.40	10.87	10.46	9.98	9.83	82.0	9.48	10.21	

**FINAL - 2018 IAAF World Junior Championships (Tampere, FIN)***Koyama (2018) - research on athlete performance and technique- 2018 data book*

date	13-Jul-18	time	5.86	10.45	15.33	20.57	20.57	3 / 2			
reaction time	0.172	interval		4.59	4.88	5.24		# of strides	10.45	10.12	0.33
wind	-0.1 m/s	velocity	8.53	10.89	10.25	9.54	9.72		9.57	9.88	

**Dodson, Jeremy (USA) (1987)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2012 USA Olympic Trials (Eugene, OR)***Hymans (2020) - history of the US olympic trials - track and field*

date	01-Jul-12	time		10.6		20.25	20.25	3 / 6			
reaction time	0.150	interval				9.65		# of strides	10.60	9.65	0.95
wind	2.3 m/s	velocity		9.43		10.36	9.88		9.43	10.36	

**Quarter-Final 2 - 2008 USA Olympic Trials (Eugene, OR)***USATF Women's Sprint Development with HPC (2008)*

date	05-Jul-08	time	6.06	10.89	15.73	20.97	20.97	8 / 4			
reaction time		interval		4.83	4.84	5.24		# of strides	10.89	10.08	0.81
wind	1.4 m/s	velocity	8.25	10.35	10.33	9.54	9.54		9.18	9.92	

**Heat 5 - 2008 USA Olympic Trials (Eugene, OR)***USATF Women's Sprint Development with HPC (2008)*

date	04-Jul-08	time	6.06	10.86	15.82	21.07	21.07	4 / 4			
reaction time		interval		4.80	4.96	5.25		# of strides	10.86	10.21	0.65
wind	1.3 m/s	velocity	8.25	10.42	10.08	9.52	9.49		9.21	9.79	

**Dofournier, Mathias (SWE) (1990)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****D FINAL - 2007 Windsprint (Sundsvall, SWE)***(2007) - www.ssg.se/en/Windsprint/Split-times/*

date	24-Jul-07	time		11.75		22.43	22.43	4 / 3			
reaction time		interval				5.20	5.48	# of strides	11.75	10.68	1.07
wind	0.5 m/s	velocity		8.51		9.62	9.12	8.92	8.51	9.36	

**Døhlie, Petter Gire (NOR) (1985)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****D FINAL - 2012 Windsprint (Sundsvall, SWE)***(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx*

date	17-Jun-12	time	11.85	23.19	23.19	/ 5			
reaction time		interval		11.34		# of strides	11.85	11.34	0.51
wind	0.0 m/s	velocity	8.44	4.31	8.62		8.44	8.82	

**Dollé, David (SUI) (1969)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**Semi-Final 2** - 1993 IAAF World Championships (Stuttgart, GER)      *Veney - split times from PJ*

date	19-Aug-93	time	6.13	10.86	15.63	20.70	20.70	3 / 6	
reaction time		interval		4.73	4.77	5.07		# of strides	10.86
wind	0.1 m/s	velocity	8.16	10.57	10.48	9.86	9.66		9.84
									1.02
									10.16

**Dolphin, James (NZL) (1983)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**Quarter-Final 1** - 2007 IAAF World Championships (Osaka, JPN)      *Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	28-Aug-07	time	5.95	10.55	15.48	20.80	20.80	3 / 8	
reaction time	0.147	interval		4.60	4.93	5.32		# of strides	10.55
wind	0.3 m/s	velocity	8.40	10.87	10.14	9.40	9.62	92.2	10.25
									0.30
									9.76

**Dopek, Dave (USA) (1973)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**Semi-Final 2** - 1996 USA Olympic Trials (Atlanta, GA)      *USATF Women's Sprint Development (1996)*

date	23-Jun-96	time	10.83	15.51	20.44	20.44	7 / 5		
reaction time		interval		4.68	4.93		# of strides	10.83	9.61
wind	-0.3 m/s	velocity	9.23	10.68	10.14	9.78		9.23	10.41
									1.22

**Quarter-Final 2** - 1996 USA Olympic Trials (Atlanta, GA)      *Hymans (2020) - history of the US olympic trials - track and field*

date	22-Jun-96	time	10.72		20.44	20.44	/ 5		
reaction time		interval			9.72		# of strides	10.72	9.72
wind	0.0 m/s	velocity	9.33		10.29	9.78		9.33	10.29
									1.00

**Heat 2** - 1996 USA Olympic Trials (Atlanta, GA)      *Hymans (2020) - history of the US olympic trials - track and field*

date	21-Jun-96	time	10.60		20.49	20.49	/ 4		
reaction time		interval			9.89		# of strides	10.60	9.89
wind	0.3 m/s	velocity	9.43		10.11	9.76		9.43	10.11
									0.71

**Dorrego, Alberto (ESP) (1979)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL** - 2001 European Cup (Bremen, GER)      *Graubner (2007) - http://www.fgs.uni-halle.de*

date	24-Jun-01	time	6.00	10.75	15.89		/ --		
reaction time	0.177	interval		4.75	5.14		# of strides	10.75	
wind	-0.7 m/s	velocity	8.33	10.53	9.73			9.30	
									DQ

**Douglas, Troy (NED) (1962)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL** - 2002 European Championships (Munich, GER)      *Graubner (2009) - http://www.fgs.uni-halle.de*

date	09-Aug-02	time	6.09	10.78	15.58	20.73	20.73	/ 7	
reaction time	0.142	interval		4.69	4.80	5.15		# of strides	10.78
wind	-0.5 m/s	velocity	8.21	10.66	10.42	9.71	9.65		9.95
									0.83
									10.05

**Semi-Final 2** - 2002 European Championships (Munich, GER)      *Graubner (2009) - http://www.fgs.uni-halle.de*

date	09-Aug-02	time	5.93	10.54	15.37	20.64	20.64	/ 4	
reaction time	0.153	interval		4.61	4.83	5.27		# of strides	10.54
wind	0.2 m/s	velocity	8.43	10.85	10.35	9.49	9.69		10.10
									0.44
									9.90

**Douglas, Troy (BER) (1962)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**Semi-Final 2** - 1988 Olympic Games (Seoul, KOR)      *Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988*

date	28-Sep-88	time	6.06	10.81	15.65	20.84	20.84	1 / 8	
reaction time	0.169	interval		4.75	4.84	5.19		# of strides	10.81
wind	1.6 m/s	velocity	8.25	10.53	10.33	9.63	9.60		10.03
									0.78
									9.97

**Dreyer, Hannes (RSA) (1985)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**A FINAL** - 2013 Windsprint (Sundsvall, SWE)      *(2013) - www.ssg.se/windsprint/Splittider/*

date	28-Jul-13	time	10.83	15.89	21.29	21.29	2 / 6		
reaction time		interval		5.06	5.40		# of strides	10.83	10.46
wind	2.2 m/s	velocity	9.23	9.88	9.26	9.39	91.5	9.23	9.56
									0.37

**B FINAL** - 2012 Windsprint (Sundsvall, SWE)      *(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx*

date	17-Jun-12	time	10.80		21.35	21.35	/ 1		
reaction time		interval			10.55		# of strides	10.80	10.55
wind	0.4 m/s	velocity	9.26		4.68	9.37		9.26	9.48
									0.25

**Drummond, Jon (USA) (1968)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**

<b>FINAL</b> - 1997 IAAF World Championships (Athens, GRE)	<i>Ritzdorf (1997) - biomechanical research project at VIth world championships athletics</i>										
date	08-Aug-97	time	5.62	10.20	15.06	20.30	20.44	1 / 7			
reaction time	0.144	interval		4.58	4.86	5.24		# of strides	10.20	10.10	0.10
wind	2.3 m/s	velocity	8.90	10.92	10.29	9.54	9.78	92.4	9.80	9.90	

<b>du Plessis, Corné (RSA) (1978)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>		<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2008 Windsprint (Sundsvall, SWE)	<i>(2008) - www.ssg.se/en/Windsprint/Split-times/</i>										
date	06-Jul-08	time		10.97	16.03	21.42	21.42	4 / 4			
reaction time		interval			5.06	5.39		# of strides	10.97	10.45	0.52
wind	2.5 m/s	velocity		9.12	9.88	9.28	9.34		9.12	9.57	

<b>Dukes, Detric (USA) (1992)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>		<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2018 Seiko Golden Grand Prix (Osaka, JPN)	<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>										
date	20-May-18	time	5.91	10.51	15.30	20.32	20.32	4 / 3			
reaction time	0.149	interval		4.60	4.79	5.02		# of strides	10.51	9.81	0.70
wind	0.9 m/s	velocity	8.46	10.87	10.44	9.96	9.84	89.7	9.51	10.19	

<b>FINAL</b> - 2017 USATF National Championships (Sheepshead Bay, USA)	<i>(2017) - speedendurance.com/2017/07/14/200m-splits-from-usa-national-championships/</i>										
date	25-Jun-17	time		10.61		20.50	20.50	9 / 6			
reaction time		interval				9.89		# of strides	10.61	9.89	0.72
wind	-2.3 m/s	velocity		9.43		10.11	9.76		9.43	10.11	

<b>FINAL</b> - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)	<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>										
date	21-May-17	time	5.78	10.39	15.24	20.71	20.71	7 / 2			
reaction time	0.163	interval		4.61	4.85	5.47		# of strides	10.39	10.32	0.07
wind	-2.0 m/s	velocity	8.65	10.85	10.31	9.14	9.66	89.0	9.62	9.69	

<b>Dunlap, David (USA) (1999)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>		<b>Official Time</b>	<b>Lane / Place</b>		<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Semi-Final 1</b> - 2024 USA Olympic Trials (Eugene, OR)	<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>										
date	28-Jun-24	time	6.01	10.71	15.60	20.76	20.76	3 / 4			
reaction time		interval		4.70	4.89	5.16		# of strides	10.71	10.05	0.66
wind	0.3 m/s	velocity	8.32	10.64	10.22	9.69	9.63	90.0	9.34	9.95	

<b>Heat 3</b> - 2024 USA Olympic Trials (Eugene, OR)	<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>										
date	27-Jun-24	time	6.07	10.78	15.68	20.81	20.81	3 / <del>4</del> 5			
reaction time		interval		4.71	4.90	5.13		# of strides	10.78	10.03	0.75
wind	1.1 m/s	velocity	8.24	10.62	10.20	9.75	9.61	91.2	9.28	9.97	

<b>Dwyer, Rasheed (JAM) (1989)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>		<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Semi-Final 3</b> - 2023 World Athletics Championships (Budapest, HUN)	<i>Seiko Timing (2023) - world championship race analysis</i>										
date	24-Aug-23	time		10.65		20.49	20.49	9 / 6			
reaction time	0.154	interval				9.84		# of strides	10.65	9.84	0.81
wind	-0.4 m/s	velocity		9.39		10.16	9.76	187.5	9.39	10.16	

<b>Heat 5</b> - 2023 World Athletics Championships (Budapest, HUN)	<i>Seiko Timing (2023) - world championship race analysis</i>										
date	23-Aug-23	time		10.58		20.40	20.40	3 / 3			
reaction time	0.150	interval				9.82		# of strides	10.58	9.82	0.76
wind	-0.2 m/s	velocity		9.45		10.18	9.80	89.0	9.45	10.18	

<b>Semi-Final 3</b> - 2022 World Athletics Championships (Eugene, OR)	<i>Timing by Seiko (2022) - world athletics championships race analysis</i>										
date	19-Jul-22	time		10.66		20.87	20.87	3 / 8			
reaction time	0.131	interval				10.21		# of strides	10.66	10.21	0.45
wind	0.3 m/s	velocity		9.38		9.79	9.58	87.0	9.38	9.79	

<b>Heat 7</b> - 2022 World Athletics Championships (Eugene, OR)	<i>Timing by Seiko (2022) - world athletics championships race analysis</i>										
date	18-Jul-22	time		10.44		20.29	20.29	6 / 2			
reaction time	0.140	interval				9.85		# of strides	10.44	9.85	0.59
wind	-0.3 m/s	velocity		9.58		10.15	9.86	87.0	9.58	10.15	

<b>Semi-Final 1</b> - 2017 IAAF World Championships (London, GBR)	<i>Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m</i>										
date	09-Aug-17	time		10.28	15.15	20.52	20.69	9 / 9			
reaction time	0.170	interval			4.87	5.37		# of strides	10.28	10.24	0.04
wind	2.1 m/s	velocity		9.73	10.27	9.31	9.67	88.9	9.73	9.77	

<b>Dykes, Chris (USA) (1987)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>		<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Semi-Final 1</b> - 2008 USA Olympic Trials (Eugene, OR)	<i>USATF Women's Sprint Development with HPC (2008)</i>										
date	05-Jul-08	time	6.16	10.93	15.79	20.97	20.97	1 / 8			
reaction time		interval		4.77	4.86	5.18		# of strides	10.93	10.04	0.89

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

wind 2.2 m/s velocity 8.12 10.48 10.29 9.65 9.54 9.15 9.96

**Quarter-Final 4 - 2008 USA Olympic Trials (Eugene, OR)***USATF Women's Sprint Development with HPC (2008)*

date 05-Jul-08 time 6.02 10.76 15.63 20.85 20.85 3 / 4  
 reaction time interval 4.74 4.87 5.22 # of strides 10.76 10.09 0.67  
 wind 1.8 m/s velocity 8.31 10.55 10.27 9.58 9.59 9.29 9.91

**Heat 1 - 2008 USA Olympic Trials (Eugene, OR)***USATF Women's Sprint Development with HPC (2008)*

date 04-Jul-08 time 6.11 10.83 15.69 20.99 20.99 3 / 4  
 reaction time interval 4.72 4.86 5.30 # of strides 10.83 10.16 0.67  
 wind 1.0 m/s velocity 8.18 10.59 10.29 9.43 9.53 9.23 9.84

**Dzingai, Brian (ZIM) (1981)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**FINAL - 2012 Windsprint (Sundsvall, SWE)***(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx*

date 17-Jun-12 time 10.93 21.82 21.82 1 / 5  
 reaction time interval 10.89 # of strides 10.93 10.89 0.04  
 wind 1.5 m/s velocity 9.15 4.58 9.17 9.15 9.18

**Heat 1 - 2009 IAAF World Championships (Berlin, GER)***Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date 18-Aug-09 time 5.94 10.61 15.55 20.97 20.97 3 / 3  
 reaction time 0.141 interval 4.67 4.94 5.42 # of strides 10.61 10.36 0.25  
 wind -1.5 m/s velocity 8.42 10.71 10.12 9.23 9.54 9.43 9.65

**FINAL - 2008 IAAF World Athletic Final (Stuttgart, GER)***Graubner (2009) - http://www.fgs.uni-halle.de*

date 14-Sep-08 time 5.96 10.52 15.43 20.88 20.88 4 / 6  
 reaction time 0.185 interval 4.56 4.91 5.45 # of strides 10.52 10.36 0.16  
 wind -0.1 m/s velocity 8.39 10.96 10.18 9.17 9.58 9.51 9.65

**FINAL - 2008 Olympic Games (Beijing, CHN)***Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016*

date 20-Aug-08 time 10.39 20.22 20.22 6 / ~~5~~ 4  
 reaction time 0.185 interval 9.83 # of strides 10.39 9.83 0.56  
 wind -0.9 m/s velocity 9.62 10.17 9.89 90.5 9.62 10.17

**FINAL - 2007 IAAF World Athletic Final (Stuttgart, GER)***Graubner (2007) - http://www.fgs.uni-halle.de*

date 23-Sep-07 time 5.93 10.55 15.42 20.56 20.56 2 / 7  
 reaction time 0.140 interval 4.62 4.87 5.14 # of strides 10.55 10.01 0.54  
 wind 1.3 m/s velocity 8.43 10.82 10.27 9.73 9.73 9.48 9.99

**Semi-Final 1 - 2007 IAAF World Championships (Osaka, JPN)***Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date 29-Aug-07 time 5.91 10.45 15.25 20.45 20.45 5 / 6  
 reaction time 0.125 interval 4.54 4.80 5.20 # of strides 10.45 10.00 0.45  
 wind -0.4 m/s velocity 8.46 11.01 10.42 9.62 9.78 91.7 9.57 10.00

**Quarter-Final 1 - 2007 IAAF World Championships (Osaka, JPN)***Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date 28-Aug-07 time 5.88 10.38 15.15 20.28 20.28 9 / 2  
 reaction time 0.140 interval 4.50 4.77 5.13 # of strides 10.38 9.90 0.48  
 wind 0.3 m/s velocity 8.50 11.11 10.48 9.75 9.86 90.2 9.63 10.10

**Edward, Alonso (PAN) (1989)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**Heat 7 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date 23-Aug-23 time 11.71 20.63 20.63 3 / ~~5~~ 4  
 reaction time 0.127 interval 8.92 # of strides 11.71 8.92 2.79  
 wind -0.1 m/s velocity 8.54 11.21 9.69 85.7 8.54 11.21

**Heat 6 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date 18-Jul-22 time 10.74 22.08 22.08 7 / 5  
 reaction time 0.129 interval 11.34 # of strides 10.74 11.34 -0.60  
 wind 1.0 m/s velocity 9.31 8.82 9.06 86.0 9.31 8.82

**FINAL - 2019 Memorial van Damme (Brussels, BEL)***Omega Timing (2019) - diamond league race analysis*

date 06-Sep-19 time 6.0 10.8 16.8 28.80 28.80 1 / ~~9~~ 8  
 reaction time 0.130 interval 4.8 6.0 12.00 # of strides 10.80 18.00 -7.20  
 wind 0.8 m/s velocity 8.33 10.42 8.33 4.17 6.94 9.26 5.56

**FINAL - 2016 Olympic Games (Rio de Janeiro, BRA)***Butler (2021) - athletics statistics book: games of the XXXII Olympiad- Tokyo 2020*

date 18-Aug-16 time 10.4 20.23 20.23 3 / 7  
 reaction time 0.162 interval 9.83 # of strides 10.40 9.83 0.57

wind -0.5 m/s velocity 9.62 10.17 9.89 86.0 9.62 10.17

**FINAL** - 2016 London Anniversary Games (London, GBR) (2016.07.23) - [https://twitter.com/touchdown\\_time/media?lang=en&lang=en&lang=en&lang=en](https://twitter.com/touchdown_time/media?lang=en&lang=en&lang=en&lang=en)  
 date 22-Jul-16 time 10.29 20.04 20.04 7 / 2  
 reaction time 0.129 interval 9.75 # of strides 10.29 9.75 0.54  
 wind -0.3 m/s velocity 9.72 10.26 9.98 9.72 10.26

**FINAL** - 2009 IAAF World Championships (Berlin, GER) *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*  
 date 20-Aug-09 time 5.88 10.37 15.00 19.81 19.81 6 / 2  
 reaction time 0.179 interval 4.49 4.63 4.81 **AR** # of strides 10.37 9.44 0.93  
 wind -0.3 m/s velocity 8.50 11.14 10.80 10.40 10.10 85.7 9.64 10.59 79.88

**Semi-Final 1** - 2009 IAAF World Championships (Berlin, GER) *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*  
 date 19-Aug-09 time 5.85 10.36 15.03 20.22 20.22 5 / 2  
 reaction time 0.164 interval 4.51 4.67 5.19 # of strides 10.36 9.86 0.50  
 wind 0.0 m/s velocity 8.55 11.09 10.71 9.63 9.89 86.0 9.65 10.14

**Quarter-Final 4** - 2009 IAAF World Championships (Berlin, GER) *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*  
 date 18-Aug-09 time 5.88 10.50 15.28 20.33 20.33 6 / 1  
 reaction time 0.179 interval 4.62 4.78 5.05 # of strides 10.50 9.83 0.67  
 wind -0.6 m/s velocity 8.50 10.82 10.46 9.90 9.84 9.52 10.17

**Heat 6** - 2009 IAAF World Championships (Berlin, GER) *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*  
 date 18-Aug-09 time 6.00 10.65 15.45 20.71 20.71 7 / 1  
 reaction time 0.186 interval 4.65 4.80 5.26 # of strides 10.65 10.06 0.59  
 wind 0.2 m/s velocity 8.33 10.75 10.42 9.51 9.66 9.39 9.94

**Edwards, LeShaunte (USA) (1979)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
**Semi-Final 1** - 2004 USA Olympic Trials (Sacramento, CA) *USATF Women's Sprint Development (2004)*  
 date 17-Jul-04 time 5.94 10.66 15.44 20.67 20.67 8 / ~~6~~ 5  
 reaction time interval 4.72 4.78 5.23 # of strides 10.66 10.01 0.65  
 wind -0.7 m/s velocity 8.42 10.59 10.46 9.56 9.68 9.38 9.99

**Effah, Sam (CAN) (1988)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
**Heat 5** - 2009 IAAF World Championships (Berlin, GER) *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*  
 date 18-Aug-09 time 5.89 10.65 15.58 20.80 20.80 4 / 3  
 reaction time 0.150 interval 4.76 4.93 5.22 # of strides 10.65 10.15 0.50  
 wind -0.2 m/s velocity 8.49 10.50 10.14 9.58 9.62 9.39 9.85

**Efoloko, Jona (GBR) (1999)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
**FINAL** - 2023 London Athletics Meet (London, GBR) *Omega Timing (2023) - diamond league race analysis*  
 date 23-Jul-23 time 5.86 10.54 15.40 20.56 20.56 2 / 8  
 reaction time 0.146 interval 4.68 4.86 5.16 # of strides 10.54 10.02 0.52  
 wind 1.6 m/s velocity 8.53 10.68 10.29 9.69 9.73 92.7 9.49 9.98

**FINAL** - 2018 IAAF World Junior Championships (Tampere, FIN) *Koyama (2018) - research on athlete performance and technique- 2018 data book*  
 date 13-Jul-18 time 5.91 10.52 15.34 20.48 20.48 5 / 1  
 reaction time 0.159 interval 4.61 4.82 5.14 **PB** # of strides 10.52 9.96 0.56  
 wind -0.1 m/s velocity 8.46 10.85 10.37 9.73 9.77 9.51 10.04

**Egbunike, Innocent (NGR) (1961)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
**FINAL** - 1983 IAAF World Championships (Helsinki, FIN) *Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints*  
 date 14-Aug-83 time 10.45 15.38 20.63 20.63 2 / 6  
 reaction time interval 4.93 5.25 # of strides 10.45 10.18 0.27  
 wind 1.2 m/s velocity 9.57 10.14 9.52 9.69 86.5 9.57 9.82

**Eigenherr, Jochen (FRG) (1947)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
**FINAL** - 1968 Olympic Games (Mexico City, MEX) (Altitude) *Hymans (2015) - progression of IAAF world records*  
 date 16-Oct-68 time 10.8 20.7 20.66 7 / 8  
 reaction time interval 9.90 # of strides 10.80 9.90 0.90  
 wind 0.9 m/s velocity 9.26 10.10 9.68 9.26 10.10

**El Aoufi, Anouar (MAR) (2000)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
**National FINAL** - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR) *Omega Timing (2022) - diamond league race analysis*  
 date 05-Jun-22 time 6.55 11.74 17.07 22.74 22.74 7 / 6  
 reaction time 0.179 interval 5.19 5.33 5.67 # of strides 11.74 11.00 0.74



wind -0.6 m/s velocity 7.63 9.63 9.38 8.82 8.80 8.52 9.09

<b>El Haddaoui, Ayman (MAR) (2001)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>NATIONAL FINAL</b> - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)		<i>Omega Timing (2023) - diamond league race analysis</i>									
date	28-May-23	time	6.11	10.93	15.99	21.53	21.53	4 / 1			
reaction time	0.171	interval		4.82	5.06	5.54		# of strides	10.93	10.60	0.33
wind	-0.2 m/s	velocity	8.18	10.37	9.88	9.03	9.29		9.15	9.43	

<b>Ellington, James (GBR) (1985)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2013 Great CityGames (Manchester, GBR) (150m straightaway)		<i>Minshull (2013) - world bests for shakes-draxton and felix in manchester</i>									
date	25-May-13	time	10.43	15.49		15.49	4 / 3				
reaction time		interval		5.06				# of strides	10.43		
wind	-1.0 m/s	velocity	9.59	9.88		9.68			9.59		
<b>FINAL</b> - 2012 Great CityGames (Manchester, GBR) (200m straightaway)		<i>Jalava (2012) - www.tilastopaja.org</i>									
date	20-May-12	time	10.47	20.67	20.67	20.67	4 / 2				
reaction time		interval		10.20				# of strides	10.47	10.20	0.27
wind	0.2 m/s	velocity	9.55	4.84	9.68				9.55	9.80	

<b>Elvung Nilsson, Viktor (SWE) (1994)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>D FINAL</b> - 2012 Windsprint (Sundsvall, SWE)		<i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>									
date	17-Jun-12	time	11.76		22.87	22.87	1 / 4				
reaction time		interval			11.11			# of strides	11.76	11.11	0.65
wind	0.0 m/s	velocity	8.50		4.37	8.75			8.50	9.00	

<b>Emmanuel, Tuffour (GHA) (1966)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 1993 IAAF World Championships (Stuttgart, GER)		<i>Busemann (2001) - der deutsche sprint! Oder: warum laufen andere schneller?</i>									
date	20-Aug-93	time	10.60		20.49	20.49	2 / 7				
reaction time		interval			9.89			# of strides	10.60	9.89	0.71
wind	0.3 m/s	velocity	9.43		10.11	9.76	92.0		9.43	10.11	

<b>Emmelmann, Frank (GDR) (1961)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 1984 Olympischen Tag (Potsdam, GDR)		<i>Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen 1981/84</i>									
date	21-Jul-84	time	10.49		20.46	20.46	1 / 1				
reaction time		interval			9.97			# of strides	10.49	9.97	0.52
wind	0.6 m/s	velocity	9.53		10.03	9.78			9.53	10.03	
<b>FINAL</b> - 1983 IAAF World Championships (Helsinki, FIN)		<i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>									
date	14-Aug-83	time	10.44	15.32	20.55	20.55	7 / 5				
reaction time	0.194	interval		4.88	5.23			# of strides	10.44	10.11	0.33
wind	1.2 m/s	velocity	9.58	10.25	9.56	9.73	88.2		9.58	9.89	

<b>Endeladze, Mindia (GEO) (1998)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Heat 5</b> - 2023 World Athletics Championships (Budapest, HUN)		<i>Seiko Timing (2023) - world championship race analysis</i>									
date	23-Aug-23	time	11.03		21.20	21.20	6 / 7				
reaction time	0.168	interval			10.17			# of strides	11.03	10.17	0.86
wind	-0.2 m/s	velocity	9.07		9.83	9.43	87.2		9.07	9.83	

<b>Engberg, Johan (SWE) (1981)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2007 Windsprint (Sundsvall, SWE)		<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>									
date	24-Jul-07	time	10.90	16.07	21.55	21.55	5 / 4				
reaction time		interval		5.17	5.48			# of strides	10.90	10.65	0.25
wind	0.3 m/s	velocity	9.17	9.67	9.12	9.28			9.17	9.39	

<b>Engel, Roscoe (RSA) (1989)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>A FINAL</b> - 2013 Windsprint (Sundsvall, SWE)		<i>(2013) - www.ssg.se/windsprint/Splittider/</i>									
date	28-Jul-13	time	10.68	15.51	20.68	20.68	3 / 4				
reaction time		interval		4.83	5.17			# of strides	10.68	10.00	0.68
wind	2.2 m/s	velocity	9.36	10.35	9.67	9.67	92.7		9.36	10.00	

<b>Enoki, Rikuto (JPN) (2006)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2024 Japanese National High School Championships (Fukuoka, JPN)		<i>Takashima (2024) - national high school sports festival - biomechanics data</i>									
date	31-Jul-24	time	5.95	10.84	15.83	21.16	21.16	4 / 7			
reaction time	0.162	interval		4.89	4.99	5.33	<b>PB</b>	# of strides	10.84	10.32	0.52
wind	0.1 m/s	velocity	8.40	10.22	10.02	9.38	9.45		9.23	9.69	

<b>Enweani, Cyprian (CAN) (1964)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

<b>Semi-Final 2</b> - 1988 Olympic Games (Seoul, KOR) <i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>											
date	28-Sep-88	time	5.93	10.59	15.37	20.57	20.57	4 / 5			
reaction time	0.170	interval	4.66	4.78	5.20			# of strides	10.59	9.98	0.61
wind	1.6 m/s	velocity	8.43	10.73	10.46	9.62	9.72		9.44	10.02	

<b>Eriksson, Daniel (SWE) (1996)</b> <b>50m</b> <b>100m</b> <b>150m</b> <b>200m</b> <b>Official Time</b> <b>Lane / Place</b> <b>0-100m</b> <b>100-200m</b> <b>Differential</b>											
<b>E FINAL</b> - 2012 Windsprint (Sundsvall, SWE) <i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>											
date	17-Jun-12	time	12.63		24.62	24.62		/ 4			
reaction time		interval			11.99			# of strides	12.63	11.99	0.64
wind	0.7 m/s	velocity	7.92		4.06	8.12			7.92	8.34	

<b>Eriksson, Dennis (SWE) (1993)</b> <b>50m</b> <b>100m</b> <b>150m</b> <b>200m</b> <b>Official Time</b> <b>Lane / Place</b> <b>0-100m</b> <b>100-200m</b> <b>Differential</b>											
<b>G FINAL</b> - 2014 Windsprint (Sundsvall, SWE) <i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>											
date	20-Jul-14	time	12.34		24.28	24.28		2 / 4			
reaction time		interval			11.94			# of strides	12.34	11.94	0.40
wind	1.4 m/s	velocity	8.10		8.38	8.24			8.10	8.38	

<b>Eriksson, Torbjörn (SWE) (1971)</b> <b>50m</b> <b>100m</b> <b>150m</b> <b>200m</b> <b>Official Time</b> <b>Lane / Place</b> <b>0-100m</b> <b>100-200m</b> <b>Differential</b>											
<b>C FINAL</b> - 2008 Windsprint (Sundsvall, SWE) <i>(2008) - www.ssg.se/en/Windsprint/Split-times/</i>											
date	06-Jul-08	time	11.24	16.52	22.20	22.20		5 / 4			
reaction time		interval		5.28	5.68			# of strides	11.24	10.96	0.28
wind	0.8 m/s	velocity	8.90	9.47	8.80	9.01			8.90	9.12	
<b>Heat 3</b> - 1999 IAAF World Championships (Sevilla, ESP) <i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>											
date	24-Aug-99	time	10.56	15.40	20.58	20.58		4 / 1			
reaction time		interval		4.84	5.18	NR		# of strides	10.56	10.02	0.54
wind	-0.6 m/s	velocity	9.47	10.33	9.65	9.72			9.47	9.98	

<b>Erlandsson, Erik (SWE) (2004)</b> <b>50m</b> <b>100m</b> <b>150m</b> <b>200m</b> <b>Official Time</b> <b>Lane / Place</b> <b>0-100m</b> <b>100-200m</b> <b>Differential</b>											
<b>Semi-Final 2</b> - 2024 Olympic Games (Paris, FRA) <i>Paris 2024 Olympc Games - Results Book (2024)</i>											
date	07-Aug-24	time	6.04	10.82	15.78	20.93	20.93		2 / 8		
reaction time	0.168	interval	4.78	4.96	5.15			# of strides	10.82	10.11	0.71
wind	-0.2 m/s	velocity	8.28	10.46	10.08	9.71	9.56		90.0	9.24	9.89
<b>Repechage 4</b> - 2024 Olympic Games (Paris, FRA) <i>Paris 2024 Olympc Games - Results Book (2024)</i>											
date	06-Aug-24	time	5.94	10.55	15.40	20.49	20.49		6 / 1		
reaction time	0.167	interval	4.61	4.85	5.09	PB		# of strides	10.55	9.94	0.61
wind	0.3 m/s	velocity	8.42	10.85	10.31	9.82	9.76		90.0	9.48	10.06
<b>Heat 5</b> - 2024 Olympic Games (Paris, FRA) <i>Paris 2024 Olympc Games - Results Book (2024)</i>											
date	05-Aug-24	time	5.96	10.65	15.50	20.65	20.65		8 / 7		
reaction time	0.176	interval	4.69	4.85	5.15			# of strides	10.65	10.00	0.65
wind	0.2 m/s	velocity	8.39	10.66	10.31	9.71	9.69		90.0	9.39	10.00

<b>Esemé, Emmanuel (CMR) (1993)</b> <b>50m</b> <b>100m</b> <b>150m</b> <b>200m</b> <b>Official Time</b> <b>Lane / Place</b> <b>0-100m</b> <b>100-200m</b> <b>Differential</b>											
<b>FINAL</b> - 2022 Commonwealth Games (Birmingham, GBR) <i>Longines Timing (2022) - commonwealth games race analysis</i>											
date	06-Aug-22	time	5.8	10.5	15.3	20.61	20.61		8 / 4		
reaction time	0.181	interval	4.70	4.80	5.31			# of strides	10.50	10.11	0.39
wind	1.1 m/s	velocity	8.62	10.64	10.42	9.42	9.70		86.7	9.52	9.89

<b>Evans, Dwayne (USA) (1958)</b> <b>50m</b> <b>100m</b> <b>150m</b> <b>200m</b> <b>Official Time</b> <b>Lane / Place</b> <b>0-100m</b> <b>100-200m</b> <b>Differential</b>											
<b>FINAL</b> - 1984 USA Olympic Trials (Los Angeles, CA) <i>Hymans (2008) - history of the US olympic trials - track and field</i>											
date	21-Jun-84	time	10.40		20.67	20.67		7 / 8			
reaction time		interval			10.27			# of strides	10.40	10.27	0.13
wind	-0.2 m/s	velocity	9.62		9.74	9.68			9.62	9.74	
<b>Semi-Final 1</b> - 1984 USA Olympic Trials (Los Angeles, CA) <i>Hymans (2020) - history of the US olympic trials - track and field</i>											
date	21-Jun-84	time	10.50		20.75	20.75		/ 4			
reaction time		interval			10.25			# of strides	10.50	10.25	0.25
wind	-1.3 m/s	velocity	9.52		9.76	9.64			9.52	9.76	
<b>FINAL</b> - 1976 Olympic Games (Montreal, CAN) <i>Breizer (1984) - sprint competition analysis</i>											
date	26-Jul-76	time	10.30	15.31	20.43	20.43		7 / 3			
reaction time		interval		5.01	5.12			# of strides	10.30	10.13	0.17
wind	0.7 m/s	velocity	9.71	9.98	9.77	9.79			9.71	9.87	

**FINAL - 1976 USA Olympic Trials (Eugene, OR)***Hymans (2008) - history of the US olympic trials - track and field*

date	21-Jun-76	time	10.5	20.22	20.22	1 / 2			
reaction time		interval		9.72	<b>WYB</b>	# of strides	10.50	9.72	0.78
wind	1.7 m/s	velocity	9.52	10.29	9.89		9.52	10.29	

**Evers, Jürgen (FRG) (1965)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Semi-Final 2 - 1986 European Championships (Stuttgart, FRG)***Veney - split times from PJ*

date	28-Aug-86	time	10.51	20.58	20.58	/ 2			
reaction time	0.181	interval		10.07		# of strides	10.51	10.07	0.44
wind	0.0 m/s	velocity	9.51	9.93	9.72		9.51	9.93	

**Ewertzh, Jacob (SWE) (1995)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**B FINAL - 2015 Windsprint (Sundsvall, SWE)***(2015) - www.windsprint/Splittider/*

date	26-Jul-15	time	11.53	22.36	22.36	5 / 5			
reaction time		interval		10.83		# of strides	11.53	10.83	0.70
wind	0.4 m/s	velocity	8.67	9.23	8.94		8.67	9.23	

**C FINAL - 2014 Windsprint (Sundsvall, SWE)***Johansen (2014) - www.ssg.se/windsprint/Splittider/*

date	20-Jul-14	time	11.13	21.73	21.73	3 / 3			
reaction time		interval		10.60	<b>PB</b>	# of strides	11.13	10.60	0.53
wind	1.5 m/s	velocity	8.98	9.43	9.20		8.98	9.43	

**Fahnbulleh, Joseph (LBR) (2001)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2024 Memorial van damme (Brussels, BEL)***Omega Timing (2024) - diamond league race analysis*

date	14-Sep-24	time	5.98	10.66	15.46	20.53	20.53	2 / 7	
reaction time	0.121	interval		4.68	4.80	5.07		# of strides	10.66
wind	0.7 m/s	velocity	8.36	10.68	10.42	9.86	9.74	83.0	9.38

**FINAL - 2024 Weltklasse (Zürich, SUI)***Omega Timing (2024) - diamond league race analysis*

date	05-Sep-24	time	6.00	10.61	15.42	20.52	20.52	2 / 7	
reaction time	0.141	interval		4.61	4.81	5.10		# of strides	10.61
wind	0.4 m/s	velocity	8.33	10.85	10.40	9.80	9.75	82.7	9.43

**FINAL - 2024 Kamila Skolimowska Memorial (Silesia, POL)***Omega Timing (2024) - diamond league race analysis*

date	25-Aug-24	time	6.11	10.74	15.47	20.39	20.39	3 / 6	
reaction time	0.164	interval		4.63	4.73	4.92		# of strides	10.74
wind	0.6 m/s	velocity	8.18	10.80	10.57	10.16	9.81	83.0	9.31

**FINAL - 2024 Athletissima (Lausanne, SUI)***Omega Timing (2024) - diamond league race analysis*

date	22-Aug-24	time	5.97	10.53	15.21	20.18	20.18	4 / 6	
reaction time	0.170	interval		4.56	4.68	4.97		# of strides	10.53
wind	0.9 m/s	velocity	8.38	10.96	10.68	10.06	9.91	82.0	9.50

**FINAL - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympc Games - Results Book (2024)*

date	08-Aug-24	time	5.97	10.52	15.21	20.15	20.15	9 / 7	
reaction time	0.171	interval		4.55	4.69	4.94		# of strides	10.52
wind	0.4 m/s	velocity	8.38	10.99	10.66	10.12	9.93	80.5	9.51

**Semi-Final 3 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympc Games - Results Book (2024)*

date	07-Aug-24	time	5.89	10.39	15.12	20.12	20.12	6 / 2	
reaction time	0.164	interval		4.50	4.73	5.00		# of strides	10.39
wind	-0.6 m/s	velocity	8.49	11.11	10.57	10.00	9.94	81.0	9.62

**Heat 1 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympc Games - Results Book (2024)*

date	05-Aug-24	time	5.96	10.51	15.22	20.20	20.20	4 / 1	
reaction time	0.188	interval		4.55	4.71	4.98		# of strides	10.51
wind	0.1 m/s	velocity	8.39	10.99	10.62	10.04	9.90	79.7	9.51

**FINAL - 2024 Prefontaine Classic (Eugene, OR)***Omega Timing (2024) - diamond league race analysis*

date	25-May-24	time	5.98	10.56	15.24	20.16	20.16	5 / 4	
reaction time	0.170	interval		4.58	4.68	4.92		# of strides	10.56
wind	1.8 m/s	velocity	8.36	10.92	10.68	10.16	9.92	81.0	9.47

**FINAL - 2024 Seashore Doha Meeting (Doha, QAT)***Omega Timing (2024) - diamond league race analysis*

date	10-May-24	time	6.01	10.66	15.36	20.26	20.26	4 / 4	
reaction time	0.151	interval		4.65	4.70	4.90		# of strides	10.66

wind	1.7 m/s	velocity	8.32	10.75	10.64	10.20	9.87	82.5	9.38	10.42	
<b>FINAL - 2023 Prefontaine Classic (Eugene, OR)</b>							<i>Omega Timing (2023) - diamond league race analysis</i>				
date	17-Sep-23	time	6.00	10.64	15.38	20.38	20.38	4 / 7			
reaction time	0.165	interval		4.64	4.74	5.00		# of strides	10.64	9.74	0.90
wind	0.6 m/s	velocity	8.33	10.78	10.55	10.00	9.81	81.2	9.40	10.27	
<b>FINAL - 2023 Memorial van Damme (Brussels, BEL)</b>							<i>Omega Timing (2023) - diamond league race analysis</i>				
date	08-Sep-23	time	5.95	10.51	15.27	20.24	20.24	3 / 5			
reaction time	0.159	interval		4.56	4.76	4.97		# of strides	10.51	9.73	0.78
wind	-0.1 m/s	velocity	8.40	10.96	10.50	10.06	9.88	81.0	9.51	10.28	
<b>FINAL - 2023 World Athletics Championships (Budapest, HUN)</b>							<i>Seiko Timing (2023) - world championship race analysis</i>				
date	25-Aug-23	time		10.74		20.57	20.57	2 / 9			
reaction time	0.163	interval				9.83		# of strides	10.74	9.83	0.91
wind	-0.2 m/s	velocity		9.31		10.17	9.72	82.5	9.31	10.17	
<b>Semi-Final 3 - 2023 World Athletics Championships (Budapest, HUN) Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC</b>											
date	24-Aug-23	time	5.94	10.53	15.25	20.21	20.21	4 / 4			
reaction time	0.180	interval		4.59	4.72	4.96		# of strides	10.53	9.68	0.85
wind	-0.4 m/s	velocity	8.42	10.89	10.59	10.08	9.90	181.2	9.50	10.33	
<b>Heat 3 - 2023 World Athletics Championships (Budapest, HUN)</b>							<i>Seiko Timing (2023) - world championship race analysis</i>				
date	23-Aug-23	time		10.82		20.42	20.42	5 / 2			
reaction time	0.161	interval				9.60		# of strides	10.82	9.60	1.22
wind	-1.4 m/s	velocity		9.24		10.42	9.79	81.5	9.24	10.42	
<b>FINAL - 2023 Athletissima (Lausanne, SUI)</b>							<i>Omega Timing (2023) - diamond league race analysis</i>				
date	30-Jun-23	time	5.84	10.49	15.22	20.21	20.21	5 / 3			
reaction time	0.124	interval		4.65	4.73	4.99		# of strides	10.49	9.72	0.77
wind	-1.4 m/s	velocity	8.56	10.75	10.57	10.02	9.90	81.7	9.53	10.29	
<b>FINAL - 2023 Bislett Games (Oslo, NOR)</b>							<i>Omega Timing (2023) - diamond league race analysis</i>				
date	15-Jun-23	time	5.95	10.58	15.30	20.23	20.23	4 / 3			
reaction time	0.131	interval		4.63	4.72	4.93		# of strides	10.58	9.65	0.93
wind	0.6 m/s	velocity	8.40	10.80	10.59	10.14	9.89	83.2	9.45	10.36	
<b>FINAL - 2023 Golden Gala Pietro Mennea (Firenze, ITA)</b>							<i>Omega Timing (2023) - diamond league race analysis</i>				
date	02-Jun-23	time	6.01	10.63	15.42	20.51	20.51	3 / 6			
reaction time	0.134	interval		4.62	4.79	5.09		# of strides	10.63	9.88	0.75
wind	0.0 m/s	velocity	8.32	10.82	10.44	9.82	9.75	82.5	9.41	10.12	
<b>FINAL - 2023 Doha Diamond League (Doha, QAT)</b>							<i>Omega Timing (2023) - diamond league race analysis</i>				
date	05-May-23	time	5.99	10.61	15.34	20.29	20.29	2 / 5			
reaction time	0.156	interval		4.62	4.73	4.95		# of strides	10.61	9.68	0.93
wind	0.3 m/s	velocity	8.35	10.82	10.57	10.10	9.86	82.0	9.43	10.33	
<b>FINAL - 2022 Memorial van Damme (Brussels, BEL)</b>							<i>Omega Timing (2022) - diamond league race analysis</i>				
date	02-Sep-22	time	5.95	10.59	15.48	20.60	20.60	3 / 6			
reaction time	0.148	interval		4.64	4.89	5.12		# of strides	10.59	10.01	0.58
wind	-2.9 m/s	velocity	8.40	10.78	10.22	9.77	9.71	83.0	9.44	9.99	
<b>FINAL - 2022 Athletissima (Lausanne, SUI)</b>							<i>Omega Timing (2022) - diamond league race analysis</i>				
date	26-Aug-22	time	5.95	10.54	15.32	20.33	20.33	4 / 7			
reaction time	0.145	interval		4.59	4.78	5.01		# of strides	10.54	9.79	0.75
wind	1.3 m/s	velocity	8.40	10.89	10.46	9.98	9.84	82.0	9.49	10.21	
<b>FINAL - 2022 Herculis Meeting International d'Athlétisme (Monaco, MON)</b>							<i>Omega Timing (2022) - diamond league race analysis</i>				
date	10-Aug-22	time	6.05	10.63	15.43	20.46	20.46	4 / 7			
reaction time	0.261	interval		4.58	4.80	5.03		# of strides	10.63	9.83	0.80
wind	0.8 m/s	velocity	8.26	10.92	10.42	9.94	9.78	82.0	9.41	10.17	
<b>FINAL - 2022 World Athletics Championships (Eugene, OR)</b>							<i>Timing by Seiko (2022) - world athletics championships race analysis</i>				
date	21-Jul-22	time		10.36		19.84	19.84	7 / 4			
reaction time	0.151	interval				9.48		# of strides	10.36	9.48	0.88
wind	0.4 m/s	velocity		9.65		10.55	10.08	81.0	9.65	10.55	

**Semi-Final 1** - 2022 World Athletics Championships (Eugene, OR)

date 19-Jul-22 time 10.47 19.92  
 reaction time 0.144 interval 9.45  
 wind -0.1 m/s velocity 9.55 10.58

Timing by Seiko (2022) - world athletics championships race analysis

19.92 4 / 2  
 # of strides 10.47 9.45 1.02  
 80.2 9.55 10.58

**Heat 1** - 2022 World Athletics Championships (Eugene, OR)

date 18-Jul-22 time 10.62 20.12  
 reaction time 0.123 interval 9.50  
 wind 1.0 m/s velocity 9.42 10.53

Timing by Seiko (2022) - world athletics championships race analysis

20.12 4 / 1  
 # of strides 10.62 9.50 1.12  
 81.5 9.42 10.53

**Fall, Mouhamadou (FRA) (1992)**

**FINAL** - 2023 Bislett Games (Oslo, NOR)  
 date 15-Jun-23 time 5.88 10.50 15.37 20.65  
 reaction time 0.152 interval 4.62 4.87 5.28  
 wind 0.6 m/s velocity 8.50 10.82 10.27 9.47

Omega Timing (2023) - diamond league race analysis

20.65 8 / 7  
 # of strides 10.50 10.15 0.35  
 88.0 9.52 9.85

**Heat 4** - 2022 World Athletics Championships (Eugene, OR)

date 18-Jul-22 time 10.65 20.83  
 reaction time 0.133 interval 10.18  
 wind 0.5 m/s velocity 9.39 9.82

Timing by Seiko (2022) - world athletics championships race analysis

20.83 7 / 5  
 # of strides 10.65 10.18 0.47  
 87.0 9.39 9.82

**FINAL** - 2022 Meeting de Paris (Paris, FRA)

date 18-Jun-22 time 5.77 10.33 15.10 20.26  
 reaction time 0.144 interval 4.56 4.77 5.16  
 wind 0.6 m/s velocity 8.67 10.96 10.48 9.69

Omega Timing (2022) - diamond league race analysis

20.26 7 / 3  
 # of strides 10.33 9.93 0.40  
 86.0 9.68 10.07

**FINAL** - 2021 Bislett Games (Oslo, NOR)

date 01-Jul-21 time 5.9 10.7 15.6 20.92  
 reaction time 0.135 interval 4.80 4.90 5.32  
 wind -1.0 m/s velocity 8.47 10.42 10.20 9.40

Omega Timing (2021) - diamond league race analysis

20.92 2 / 6  
 # of strides 10.70 10.22 0.48  
 87.0 9.35 9.78

**Fedoriv, Andrey (URS) (1963)**

**FINAL** - 1986 European Championships (Stuttgart, FRG)  
 date 28-Aug-86 time 10.47 20.60  
 reaction time 0.169 interval 10.13  
 wind 0.0 m/s velocity 9.55 9.87

Veney - split times from PJ

20.60 / 3  
 # of strides 10.47 10.13 0.34  
 9.71 9.55 9.87

**Fehér, Jan (CZE) (1986)**

**Heat 1** - 2013 Czech Republic National Championships (Tábor, CZE)  
 date 16-Jun-13 time 6.35 11.46 16.90 22.69  
 reaction time 0.156 interval 5.11 5.44 5.79  
 wind -0.7 m/s velocity 7.87 9.78 9.19 8.64

Fehér (2013) - Final report men's &amp; women's Czech Republic national champs

22.69 7 / 4  
 # of strides 11.46 11.23 0.23  
 8.81 8.73 8.90

**Ferguson, Joe (GBR) (2000)**

**FINAL** - 2023 London Athletics Meet (London, GBR)  
 date 23-Jul-23 time 6.00 10.74 15.52 20.44  
 reaction time 0.156 interval 4.74 4.78 4.92  
 wind 1.6 m/s velocity 8.33 10.55 10.46 10.16

Omega Timing (2023) - diamond league race analysis

20.44 1 / 7  
 # of strides 10.74 9.70 1.04  
 9.78 9.31 10.31

**Semi-Final 2** - 2022 World Athletics Championships (Eugene, OR)

date 19-Jul-22 time 10.82 20.52  
 reaction time 0.146 interval 9.70  
 wind 1.1 m/s velocity 9.24 10.31

Timing by Seiko (2022) - world athletics championships race analysis

20.52 2 / 7  
 # of strides 10.82 9.70 1.12  
 9.75 9.24 10.31

**Heat 1** - 2022 World Athletics Championships (Eugene, OR)

date 18-Jul-22 time 10.81 20.33  
 reaction time 0.151 interval 9.52  
 wind 1.0 m/s velocity 9.25 10.50

Timing by Seiko (2022) - world athletics championships race analysis

20.33 8 / 4  
 # of strides 10.81 9.52 1.29  
 9.84 9.25 10.50

**Fifton, Rikki (USA) (1985)**

**B FINAL** - 2012 Great CityGames (Manchester, GBR) (150m straightaway)  
 date 20-May-12 time 10.51 15.60  
 reaction time interval 5.09  
 wind -0.5 m/s velocity 9.51 9.82

Jalava (2012) - www.tilastopaja.org

15.60 / 2  
 # of strides 10.51 9.51

**FINAL** - 2011 Great CityGames (Manchester, GBR) (200m straightaway)

date 15-May-11 time 5.89 10.42 15.30 20.81

Butler (2011) - Gay's last 100 in Manchester street 150

20.81 / 4

reaction time	interval	4.53	4.88	5.51	# of strides	10.42	10.39	0.03	
wind	2.3 m/s	velocity	8.49	11.04	10.25	9.07	9.61	9.60	9.62

**FINAL** - 2010 Great CityGames (Manchester, GBR) (150m straightaway)Jalava (2010) - [www.tilastopaja.org](http://www.tilastopaja.org)

date	16-May-10	time	10.34	15.37	15.37	1 / 3
reaction time	interval	5.03	# of strides	10.34		
wind	-1.1 m/s	velocity	9.67	9.94	9.76	9.67

**FINAL** - 2009 Great CityGames (Manchester, GBR) (150m straightaway)(2009) - [www.greatcitygames.org/Results/2009\\_gcgm.aspx](http://www.greatcitygames.org/Results/2009_gcgm.aspx)

date	17-May-09	time	5.78	10.28	15.13	15.13	4 / 4	<b>50-150m</b>
reaction time	interval	4.50	4.85	<b>PB</b>	# of strides	10.28	9.35	
wind	1.1 m/s	velocity	8.65	11.11	10.31	9.91	9.73	10.70

**Heat 2** - 2009 Great CityGames (Manchester, GBR) (150m straightaway)Jalava (2009) - [www.tilastopaja.org](http://www.tilastopaja.org)

date	17-May-09	time	10.48	15.49	15.49	/ 2
reaction time	interval	5.01	# of strides	10.48		
wind	0.2 m/s	velocity	9.54	9.98	9.68	9.54

**Fisher, Andrew (JAM) (1991)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**A FINAL** - 2013 Windsprint (Sundsvall, SWE)(2013) - [www.ssg.se/windsprint/Splittider/](http://www.ssg.se/windsprint/Splittider/)

date	28-Jul-13	time	10.61	15.51	21.08	21.08	1 / 5	
reaction time	interval	4.90	5.57	# of strides	10.61	10.47	0.14	
wind	2.2 m/s	velocity	9.43	10.20	8.98	9.49	9.43	9.55

**Florence, Derrick (USA) (1968)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL** - 1986 IAAF World Junior Championships (Athens, GRE)Moravec (1986) - *IAAF biomechanical research - Athens 1986 - sprints*

date	19-Jul-86	time	10.75	15.72	21.12	21.12	/ 2	
reaction time	interval	4.97	5.40	# of strides	10.75	10.37	0.38	
wind	0.2 m/s	velocity	9.30	10.06	9.26	9.47	9.30	9.64

**Forsythe, Mario (JAM) (1985)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**B FINAL** - 2009 Great CityGames (Manchester, GBR) (150m straightaway)Jalava (2009) - [www.tilastopaja.org](http://www.tilastopaja.org)

date	17-May-09	time	10.59	dnf	/ --
reaction time	interval	# of strides	10.59		
wind	1.1 m/s	velocity	9.44	9.44	

**Heat 1** - 2009 Great CityGames (Manchester, GBR) (150m straightaway)Jalava (2009) - [www.tilastopaja.org](http://www.tilastopaja.org)

date	17-May-09	time	10.54	15.60	15.60	/ 2
reaction time	interval	5.06	<b>PB</b>	# of strides	10.54	
wind	-0.8 m/s	velocity	9.49	9.88	9.62	9.49

**Forte, Julian (JAM) (1993)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL** - 2021 Müller Grand Prix (Gateshead, GBR)Omega Timing (2021) - *diamond league race analysis*

date	23-May-21	time	6.4	11.2	16.4	21.47	21.47	2 / 7	
reaction time	0.149	interval	4.80	5.20	5.07	# of strides	11.20	10.27	0.93
wind	-3.0 m/s	velocity	7.81	10.42	9.62	9.86	9.32	8.93	9.74

**FINAL** - 2020 Doha Diamond League (Doha, QAT)Omega Timing (2020) - *diamond league race analysis*

date	25-Sep-20	time	5.9	10.5	15.3	20.39	20.39	6 / 2		
reaction time	0.150	interval	4.60	4.80	5.09	# of strides	10.50	9.89	0.61	
wind	0.9 m/s	velocity	8.47	10.87	10.42	9.82	9.81	86.7	9.52	10.11

**A FINAL** - 2014 Windsprint (Sundsvall, SWE)Johansen (2014) - [www.ssg.se/windsprint/Splittider/](http://www.ssg.se/windsprint/Splittider/)

date	20-Jul-14	time	10.69	20.65	20.65	3 / 2	
reaction time	interval	9.96	# of strides	10.69	9.96	0.73	
wind	1.1 m/s	velocity	9.35	10.04	9.69	9.35	10.04

**B FINAL** - 2013 Windsprint (Sundsvall, SWE)(2013) - [www.ssg.se/windsprint/Splittider/](http://www.ssg.se/windsprint/Splittider/)

date	28-Jul-13	time	10.52	15.25	20.22	20.22	4 / 1	
reaction time	interval	4.73	4.97	# of strides	10.52	9.70	0.82	
wind	3.1 m/s	velocity	9.51	10.57	10.06	9.89	9.51	10.31

**Fourar, Adam (MAR) (2007)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**National FINAL** - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)Omega Timing (2023) - *diamond league race analysis*

date	28-May-23	time	6.31	11.41	16.79	22.68	22.68	1 / 7		
reaction time	0.215	interval	5.10	5.38	5.89	<b>PB</b>	# of strides	11.41	11.27	0.14

wind -0.2 m/s velocity 7.92 9.80 9.29 8.49 8.82 8.76 8.87

<b>Franco, Jessy (GIB) (1998)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Heat 2 - 2023 World Athletics Championships (Budapest, HUN)</b> <i>Seiko Timing (2023) - world championship race analysis</i>											
date	23-Aug-23	time	11.23		22.04	22.04	7 / 9				
reaction time	0.153	interval			10.81		# of strides	11.23	10.81	0.42	
wind	-0.1 m/s	velocity	8.90		9.25	9.07	93.2	8.90	9.25		

<b>Fray, Mike (JAM) (1947)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL - 1968 Olympic Games (Mexico City, MEX) (Altitude)</b> <i>Hymans (2015) - progression of IAAF world records</i>											
date	16-Oct-68	time	10.6		20.6	20.63	1 / 7				
reaction time		interval			10.00		# of strides	10.60	10.00	0.60	
wind	0.9 m/s	velocity	9.43		10.00	9.69		9.43	10.00		

<b>Fredericks, Frank (NAM) (1967)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL - 2004 Olympic Games (Athens, GRE)</b> <i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>											
date	26-Aug-04	time	10.4		20.1	20.14	8 / 4				
reaction time	0.248	interval			9.70		# of strides	10.40	9.70	0.70	
wind	1.2 m/s	velocity	9.62		10.31	9.93		9.62	10.31		

<b>FINAL - 1997 IAAF World Championships (Athens, GRE)</b> <i>Ritzdorf (1997) - biomechanical research project at VIth world championships athletics</i>											
date	08-Aug-97	time	5.66	10.28	15.10	20.10	20.23	4 / 2			
reaction time	0.127	interval	4.62	4.82	5.00		# of strides	10.28	9.82	0.46	
wind	2.3 m/s	velocity	8.83	10.82	10.37	10.00	9.89	91.2	9.73	10.18	

<b>FINAL - 1996 Olympic Games (Atlanta, GA)</b> <i>Veney - split times from PJ</i>											
date	01-Aug-86	time	10.19	14.80	19.68	19.68	5 / 2				
reaction time	0.200	interval	4.61	4.88	AR		# of strides	10.19	9.49	0.70	
wind	0.4 m/s	velocity	9.81	10.85	10.25	10.16	89.4	9.81	10.54		

<b>FINAL - 1996 DLV Leichtathletik-Gala (Duisburg, GER)</b> <i>Graubner (2008) - http://www.fgs.uni-halle.de</i>											
date	12-Jun-96	time	5.85	10.37	15.06	19.96	19.96	/ 1			
reaction time		interval	4.52	4.69	4.90		# of strides	10.37	9.59	0.78	
wind	2.0 m/s	velocity	8.55	11.06	10.66	10.20	10.02		9.64	10.43	

<b>FINAL - 1993 IAAF World Championships (Stuttgart, GER)</b> <i>Graubner (2008) - http://www.fgs.uni-halle.de</i>											
date	20-Aug-93	time	5.86	10.39	14.99	19.85	19.85	5 / 1			
reaction time	0.213	interval	4.53	4.60	4.86	CR AR	# of strides	10.39	9.46	0.93	
wind	0.3 m/s	velocity	8.53	11.04	10.87	10.29	10.08	88.7	9.62	10.57	

<b>FINAL - 1991 IAAF World Championships (Tokyo, JPN)</b> <i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>											
date	27-Aug-91	time	10.36		20.34	20.34	4 / 2				
reaction time		interval			9.98		# of strides	10.36	9.98	0.38	
wind	-3.4 m/s	velocity	9.65		10.02	9.83	90.0	9.65	10.02		

<b>Fuchs, Martin (SUI) (1999)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>B Race - 2021 Athletissima (Lausanne, SUI)</b> <i>Omega Timing (2021) - diamond league race analysis</i>											
date	26-Aug-21	time	6.3	11.2	16.3	21.64	21.64	8 / 4			
reaction time	0.151	interval	4.90	5.10	5.34		# of strides	11.20	10.44	0.76	
wind	3.0 m/s	velocity	7.94	10.20	9.80	9.36	9.24	8.93	9.58		

<b>Fujimitsu, Kenji (JPN) (1986)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL - 2019 Seiko Golden Grand Prix (Osaka, JPN)</b> <i>Hirokawa (2019) - research on athlete performance and technique- 2019 data book</i>											
date	19-May-19	time	5.91	10.62	15.57	20.85	20.85	4 / 7			
reaction time	0.148	interval	4.71	4.95	5.28		# of strides	10.62	10.23	0.39	
wind	-0.4 m/s	velocity	8.46	10.62	10.10	9.47	9.59	92.0	9.42	9.78	

<b>A FINAL - 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)</b> <i>Kobayashi (2019) - research on athlete performance technique- 2019 data book</i>											
date	03-May-19	time	5.98	10.67	15.66	21.01	21.01	8 / 5			
reaction time		interval	4.69	4.99	5.35		# of strides	10.67	10.34	0.33	
wind	0.5 m/s	velocity	8.36	10.66	10.02	9.35	9.52	93.2	9.37	9.67	

<b>FINAL - 2018 Seiko Golden Grand Prix (Osaka, JPN)</b> <i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>											
date	20-May-18	time	5.87	10.50	15.40	20.61	20.61	5 / 4			
reaction time	0.148	interval	4.63	4.90	5.21		# of strides	10.50	10.11	0.39	
wind	0.9 m/s	velocity	8.52	10.80	10.20	9.60	9.70	91.0	9.52	9.89	

**FINAL - 2017 Japanese National Championships (Osaka, JPN)***Takahashi (2017) - 200m running performance analysis in the 2017 season*

date	25-Jun-17	time	5.88	10.48	15.32	20.47	20.47	7 / 2			
reaction time	0.174	interval		4.60	4.84	5.15		# of strides	10.48	9.99	0.49
wind	0.3 m/s	velocity	8.50	10.87	10.33	9.71	9.77	91.5	9.54	10.01	

**FINAL - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)***Takahashi (2017) - 200m running performance analysis in the 2017 season*

date	21-May-17	time	5.81	10.49	15.41	20.93	20.93	2 / 3			
reaction time	0.153	interval		4.68	4.92	5.52		# of strides	10.49	10.44	0.05
wind	-2.0 m/s	velocity	8.61	10.68	10.16	9.06	9.56	93.0	9.53	9.58	

**Heat 5 - 2016 Olympic Games (Rio de Janeiro, BRA)***Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

date	16-Aug-16	time	5.98	10.67	15.58	20.86	20.86	8 / 6			
reaction time		interval		4.69	4.91	5.28		# of strides	10.67	10.19	0.48
wind	-1.5 m/s	velocity	8.36	10.66	10.18	9.47	9.59		9.37	9.81	

**FINAL - 2016 Japanese National Championships (Nagoya, JPN)***Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

date	26-Jun-16	time	5.88	10.57	15.46	20.77	20.77	4 / 6			
reaction time	0.164	interval		4.69	4.89	5.31		# of strides	10.57	10.20	0.37
wind	1.8 m/s	velocity	8.50	10.66	10.22	9.42	9.63	89.0	9.46	9.80	

**FINAL - 2016 Seiko Golden Grand Prix (Kawasaki, JPN)***Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

date	08-May-16	time	5.91	10.58	15.54	20.90	20.90	5 / 6			
reaction time	0.166	interval		4.67	4.96	5.36		# of strides	10.58	10.32	0.26
wind	-0.6 m/s	velocity	8.46	10.71	10.08	9.33	9.57	91.0	9.45	9.69	

**Semi-Final 3 - 2015 IAAF World Championships (Beijing, CHN)***Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date	26-Aug-15	time	5.84	10.43	15.20	20.34	20.34	5 / 7			
reaction time	0.164	interval		4.59	4.77	5.14		# of strides	10.43	9.91	0.52
wind	0.8 m/s	velocity	8.56	10.89	10.48	9.73	9.83	91.0	9.59	10.09	

**Heat 1 - 2015 IAAF World Championships (Beijing, CHN)***Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date	25-Aug-15	time	5.82	10.40	15.15	20.28	20.28	2 / 2			
reaction time	0.166	interval		4.58	4.75	5.13		# of strides	10.40	9.88	0.52
wind	-0.2 m/s	velocity	8.59	10.92	10.53	9.75	9.86	91.5	9.62	10.12	

**FINAL - 2015 Japanese National Championships (Niigata, JPN)***Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date	27-Jun-15	time	5.89	10.46	15.22	20.32	20.32	4 / 1			
reaction time	0.190	interval		4.57	4.76	5.10	<b>PB</b>	# of strides	10.46	9.86	0.60
wind	0.8 m/s	velocity	8.49	10.94	10.50	9.80	9.84	91.5	9.56	10.14	

**FINAL - 2015 Seiko Golden Grand Prix (Kawasaki, JPN)***Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date	10-May-15	time	5.82	10.42	15.22	20.33	20.33	6 / 1			
reaction time		interval		4.60	4.80	5.11		# of strides	10.42	9.91	0.51
wind	-0.5 m/s	velocity	8.59	10.87	10.42	9.78	9.84	91.0	9.60	10.09	

**FINAL - 2015 Mikio Oda Memorial (Hiroshima, JPN)***Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date	18-Apr-15	time	5.96	10.63	15.39	20.43	20.43	5 / 1			
reaction time		interval		4.67	4.76	5.04		# of strides	10.63	9.80	0.83
wind	1.5 m/s	velocity	8.39	10.71	10.50	9.92	9.79	91.0	9.41	10.20	

**FINAL - 2014 Shizuoka International Athletics Meeting (Fukuroi, JPN)***Koyama (2014) - research on athlete performance and technique- 2014*

date	03-May-14	time	6.06	10.73	15.54	20.74	20.74	1 / 5			
reaction time		interval		4.67	4.81	5.20		# of strides	10.73	10.01	0.72
wind	0.8 m/s	velocity	8.25	10.71	10.40	9.62	9.64		9.32	9.99	

**FINAL - 2011 Japanese National Championships (Kumagaya, JPN)***Kyohei (2012) - run performance of 2011 world & Japanese top 200m sprinters*

date	11-Jun-11	time	6.02	10.83	15.79	21.05	21.05	1 / 8			
reaction time		interval		4.81	4.96	5.26		# of strides	10.83	10.22	0.61
wind	0.0 m/s	velocity	8.31	10.40	10.08	9.51	9.50		9.23	9.78	

**Heat 3 - 2009 IAAF World Championships (Berlin, GER)***Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	18-Aug-09	time	5.95	10.65	15.51	20.69	20.69	8 / 3			
reaction time	0.172	interval		4.70	4.86	5.18		# of strides	10.65	10.04	0.61
wind	0.1 m/s	velocity	8.40	10.64	10.29	9.65	9.67		9.39	9.96	

**Fukushima, Kiyoshi (JPN) (2000)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation



<b>FINAL - 2017 Japanese National High School Championships (Yamagata, JPN)</b> <i>Kota (2017) - 70th high school championships: JAF scientific committee</i>											
date	01-Aug-17	time	5.57	10.80	15.76	21.04	21.04	4 / 1			
reaction time	0.158	interval		5.23	4.96	5.28		# of strides	10.80	10.24	0.56
wind	0.5 m/s	velocity	8.98	9.56	10.08	9.47	9.51		9.26	9.77	

<b>García, Iván (CUB) (1972)</b> <i>Ritzdorf (1997) - biomechanical research project at VIth world championships athletics</i>											
date	08-Aug-97	time	5.66	10.30	15.06	20.18	20.31	6 / 4			
reaction time	0.131	interval		4.64	4.76	5.12		# of strides	10.30	9.88	0.42
wind	2.3 m/s	velocity	8.83	10.78	10.50	9.77	9.85	92.0	9.71	10.12	

<b>FINAL - 1996 Olympic Games (Atlanta, GA)</b> <i>Veney - split times from PJ</i>											
date	01-Aug-86	time		10.43		20.21	20.21	4 / 6			
reaction time	0.229	interval				9.78		# of strides	10.43	9.78	0.65
wind	0.4 m/s	velocity		9.59		10.22	9.90	90.1	9.59	10.22	

<b>Gardiner, Steven (BAH) (1995)</b> <i>Omega Timing (2021) - diamond league race analysis</i>											
date	26-Aug-21	time	6.0	10.6	15.2	20.11	20.11	7 / 3			
reaction time	0.126	interval		4.60	4.60	4.91		# of strides	10.60	9.51	1.09
wind	3.2 m/s	velocity	8.33	10.87	10.87	10.18	9.95	79.5	9.43	10.52	

<b>Garvin, Michael (USA) (1986)</b> <i>USATF Women's Sprint Development with HPC (2008)</i>											
date	05-Jul-08	time	5.97	10.72	15.63	20.96	20.96	2 / 7			
reaction time		interval		4.75	4.91	5.33		# of strides	10.72	10.24	0.48
wind	-0.9 m/s	velocity	8.38	10.53	10.18	9.38	9.54		9.33	9.77	

<b>Quarter-Final 3 - 2008 USA Olympic Trials (Eugene, OR)</b> <i>USATF Women's Sprint Development with HPC (2008)</i>											
date	05-Jul-08	time	5.98	10.67	15.53	20.95	20.95	8 / 5			
reaction time		interval		4.69	4.86	5.42		# of strides	10.67	10.28	0.39
wind	0.1 m/s	velocity	8.36	10.66	10.29	9.23	9.55		9.37	9.73	

<b>Heat 3 - 2008 USA Olympic Trials (Eugene, OR)</b> <i>USATF Women's Sprint Development with HPC (2008)</i>											
date	04-Jul-08	time	6.01	10.72	15.70	21.10	21.10	6 / 4			
reaction time		interval		4.71	4.98	5.40		# of strides	10.72	10.38	0.34
wind	-0.3 m/s	velocity	8.32	10.62	10.04	9.26	9.48		9.33	9.63	

<b>Gatlin, Justin (USA) (1982)</b> <i>Omega Timing (2021) - diamond league race analysis</i>											
date	28-May-21	time	6.0	10.6	15.3	20.49	20.49	8 / 5			
reaction time	0.153	interval		4.60	4.70	5.19		# of strides	10.60	9.89	0.71
wind	0.4 m/s	velocity	8.33	10.87	10.64	9.63	9.76	86.7	9.43	10.11	

<b>FINAL - 2016 USA Olympic Trials (Eugene, OR)</b> <i>Hymans (2020) - history of the US olympic trials - track and field</i>											
date	09-Jul-16	time		10.3		19.75	19.75	8 / 1			
reaction time	0.174	interval				9.45		# of strides	10.30	9.45	0.85
wind	1.6 m/s	velocity		9.71		10.58	10.13	84.2	9.71	10.58	

<b>FINAL - 2015 IAAF World Championships (Beijing, CHN)</b> <i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>											
date	27-Aug-15	time	5.62	10.13	14.77	19.74	19.74	4 / 2			
reaction time	0.161	interval		4.51	4.64	4.97		# of strides	10.13	9.61	0.52
wind	-0.1 m/s	velocity	8.90	11.09	10.78	10.06	10.13	85.0	9.87	10.41	

<b>Semi-Final 2 - 2015 IAAF World Championships (Beijing, CHN)</b> <i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>											
date	26-Aug-15	time	5.63	10.15	14.83	19.87	19.87	7 / 1			
reaction time	0.147	interval		4.52	4.68	5.04		# of strides	10.15	9.72	0.43
wind	-0.2 m/s	velocity	8.88	11.06	10.68	9.92	10.07	83.7	9.85	10.29	

<b>Heat 4 - 2015 IAAF World Championships (Beijing, CHN)</b> <i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>											
date	25-Aug-15	time	5.69	10.28	15.06	20.19	20.19	3 / 1			
reaction time	0.165	interval		4.59	4.78	5.13		# of strides	10.28	9.91	0.37
wind	0.0 m/s	velocity	8.79	10.89	10.46	9.75	9.91	85.5	9.73	10.09	

<b>FINAL - 2005 USATF National Championships (Carson, CA)</b> <i>USATF Women's Sprint Development (2005)</i>										
date	26-Jun-05	time	5.84	10.34	15.08	20.04	20.04	6 / 1		

reaction time	interval	4.50	4.74	4.96		# of strides	10.34	9.70	0.64
wind	-0.9 m/s velocity	8.56	11.11	10.55	10.08	9.98	81.2	9.67	10.31

**FINAL - 2004 Olympic Games (Athens, GRE)***Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016*

date	26-Aug-04	time	10.3		20.0	20.03	5 / 3			
reaction time	0.195	interval			9.70		# of strides	10.30	9.70	0.60
wind	1.2 m/s	velocity	9.71		10.31	9.99		9.71	10.31	

**FINAL - 2004 USA Olympic Trials (Sacramento, CA)***USATF Women's Sprint Development (2004)*

date	18-Jul-04	time	5.79	10.32	14.96	20.01	20.01	7 / 2		
reaction time		interval	4.53	4.64	5.05	<b>PB</b>	# of strides	10.32	9.69	0.63
wind	-0.7 m/s	velocity	8.64	11.04	10.78	9.90	10.00	9.69	10.32	

**Semi-Final 1 - 2004 USA Olympic Trials (Sacramento, CA)***USATF Women's Sprint Development (2004)*

date	17-Jul-04	time	5.96	10.57	15.30	20.50	20.50	4 / 4 3		
reaction time		interval	4.61	4.73	5.20		# of strides	10.57	9.93	0.64
wind	-0.7 m/s	velocity	8.39	10.85	10.57	9.62	9.76	9.46	10.07	

**Gay, Tyson (USA) (1982)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2016 USA Olympic Trials (Eugene, OR)***Hymans (2020) - history of the US olympic trials - track and field*

date	09-Jul-16	time	10.7		20.38	20.38	2 / 6			
reaction time	0.180	interval			9.68		# of strides	10.70	9.68	1.02
wind	1.6 m/s	velocity	9.35		10.33	9.81	89.5	9.35	10.33	

**FINAL - 2011 Great CityGames (Manchester, GBR) (150m straightaway)***Butler (2011) - Gay's last 100 in Manchester street 150*

date	15-May-11	time	5.65	9.91	14.51	14.51	3 / 1			
reaction time		interval	4.26	4.60			# of strides	9.91		<b>50-150m</b>
wind	1.5 m/s	velocity	8.85	11.74	10.87	10.34		10.09		8.86
										11.29

**FINAL - 2010 Great CityGames (Manchester, GBR) (200m straightaway)***Jalava (2010) - www.tilastopaja.org*

date	16-May-10	time	9.89	14.41	19.41	19.41	3 / 1			
reaction time		interval	4.52	5.00		<b>WB</b>	# of strides	9.89	9.52	0.37
wind	-0.4 m/s	velocity	10.11	11.06	10.00	10.30		10.11	10.50	

**Heat 2 - 2008 USA Olympic Trials (Eugene, OR)***USATF Women's Sprint Development with HPC (2008)*

date	04-Jul-08	time	5.89	10.49	15.23	20.43	20.43	5 / 1		
reaction time		interval	4.60	4.74	5.20		# of strides	10.49	9.94	0.55
wind	0.8 m/s	velocity	8.49	10.87	10.55	9.62	9.79	87.0	9.53	10.06

**FINAL - 2007 IAAF World Championships (Osaka, JPN)***Ae (2008) - IAAF biomechanics team - a booklet of biomechanics data*

date	30-Aug-07	time	5.74	10.13	14.75	19.76	19.76	4 / 1		
reaction time	0.143	interval	4.39	4.62	5.01	<b>CR</b>	# of strides	10.13	9.63	0.50
wind	-0.8 m/s	velocity	8.71	11.39	10.82	9.98	10.12	87.5	9.87	10.38

**Semi-Final 2 - 2007 IAAF World Championships (Osaka, JPN)***Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	29-Aug-07	time	5.76	10.25	14.92	20.00	20.00	5 / 1		
reaction time	0.157	interval	4.49	4.67	5.08		# of strides	10.25	9.75	0.50
wind	-0.4 m/s	velocity	8.68	11.14	10.71	9.84	10.00	87.0	9.76	10.26

**Quarter-Final 3 - 2007 IAAF World Championships (Osaka, JPN)***Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	28-Aug-07	time	5.77	10.23	14.91	20.08	20.08	7 / 1		
reaction time	0.154	interval	4.46	4.68	5.17		# of strides	10.23	9.85	0.38
wind	0.9 m/s	velocity	8.67	11.21	10.68	9.67	9.96	87.2	9.78	10.15

**FINAL - 2006 IAAF World Athletic Final (Stuttgart, GER) (TV Analysis)***Graubner (2008) - http://www.fgs.uni-halle.de*

date	10-Sep-06	time	5.68	10.05	14.69	19.68	19.68	6 / 1		
reaction time	0.150	interval	4.37	4.64	4.99	<b>CR / PB</b>	# of strides	10.05	9.63	0.42
wind	-0.1 m/s	velocity	8.80	11.44	10.78	10.02	10.16	9.95	10.38	

**FINAL - 2005 USATF National Championships (Carson, CA)***USATF Women's Sprint Development (2005)*

date	26-Jun-05	time	5.81	10.27	15.11	20.06	20.06	4 / 2		
reaction time		interval	4.46	4.84	4.95		# of strides	10.27	9.79	0.48
wind	-0.9 m/s	velocity	8.61	11.21	10.33	10.10	9.97	88.7	9.74	10.21

**FINAL - 2004 USA Olympic Trials (Sacramento, CA)***USATF Women's Sprint Development (2004)*

date	18-Jul-04	time	5.84			dnf	8 / --		
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reaction time interval # of strides  
wind -0.7 m/s velocity 8.56

**Semi-Final 2** - 2004 USA Olympic Trials (Sacramento, CA)

USATF Women's Sprint Development (2004)

date 17-Jul-04 time 5.89 10.48 15.14 20.17 20.17 5 / 3  
reaction time interval 4.59 4.66 5.03 # of strides 10.48 9.69 0.79  
wind 0.1 m/s velocity 8.49 10.89 10.73 9.94 9.92 9.54 10.32

**Gemili, Adam (GBR) (1993)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**Heat 6** - 2022 World Athletics Championships (Eugene, OR)

Timing by Seiko (2022) - world athletics championships race analysis

date 18-Jul-22 time 10.52 20.60 20.60 3 / 4  
reaction time 0.133 interval 10.08 # of strides 10.52 10.08 0.44  
wind 1.0 m/s velocity 9.51 9.92 9.71 90.0 9.51 9.92

**FINAL** - 2021 Müller Grand Prix (Gateshead, GBR)

Omega Timing (2021) - diamond league race analysis

date 23-May-21 time 6.4 11.1 16.1 21.18 21.18 4 / 6  
reaction time 0.138 interval 4.70 5.00 5.08 # of strides 11.10 10.08 1.02  
wind -3.0 m/s velocity 7.81 10.64 10.00 9.84 9.44 93.0 9.01 9.92

**FINAL** - 2020 Bauhaus Galan (Stockholm, SWE)

Omega Timing (2020) - diamond league race analysis

date 23-Aug-20 time 5.9 10.5 15.4 20.61 20.61 6 / 1  
reaction time 0.189 interval 4.60 4.90 5.21 # of strides 10.50 10.11 0.39  
wind 3.0 m/s velocity 8.47 10.87 10.20 9.60 9.70 91.0 9.52 9.89

**FINAL** - 2016 Olympic Games (Rio de Janeiro, BRA)

Butler (2021) - athletics statistics book: games of the XXXII Olympiad- Tokyo 2020

date 18-Aug-16 time 10.5 20.12 20.12 2 / 4  
reaction time 0.178 interval 9.62 # of strides 10.50 9.62 0.88  
wind -0.5 m/s velocity 9.52 10.40 9.94 90.7 9.52 10.40

**FINAL** - 2016 London Anniversary Games (London, GBR)(2016.07.23) - [https://twitter.com/touchdown\\_time/media?lang=en&lang=en&lang=en&lang=en](https://twitter.com/touchdown_time/media?lang=en&lang=en&lang=en&lang=en)

date 22-Jul-16 time 10.30 20.07 20.07 8 / 3  
reaction time 0.144 interval 9.77 # of strides 10.30 9.77 0.53  
wind -0.3 m/s velocity 9.71 10.24 9.97 9.71 10.24

**George, Winston (GUY) (1987)**

**50m 100m 150m Official Time Lane / Place 0-100m 100-200m Differential**

**Semi-Final 3** - 2017 IAAF World Championships (London, GBR)

Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m

date 09-Aug-17 time 10.40 15.25 20.56 20.74 2 / 7  
reaction time 0.176 interval 4.85 5.31 # of strides 10.40 10.16 0.24  
wind 0.3 m/s velocity 9.62 10.31 9.42 9.64 93.0 9.62 9.84

**Gerlach, Mikael (SWE) (1984)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**G FINAL** - 2014 Windsprint (Sundsvall, SWE)Johansen (2014) - [www.ssg.se/windsprint/Splittider/](http://www.ssg.se/windsprint/Splittider/)

date 20-Jul-14 time 12.01 23.20 23.20 3 / 3  
reaction time interval 11.19 # of strides 12.01 11.19 0.82  
wind 1.4 m/s velocity 8.33 8.94 8.62 8.33 8.94

**E FINAL** - 2012 Windsprint (Sundsvall, SWE)(2012) - [www.elitlandslag.se/SprintHäck/KortSprint.aspx](http://www.elitlandslag.se/SprintHäck/KortSprint.aspx)

date 17-Jun-12 time 12.27 23.74 23.74 / 3  
reaction time interval 11.47 # of strides 12.27 11.47 0.80  
wind 0.7 m/s velocity 8.15 4.21 8.42 8.15 8.72

**Golding, Julian (GBR) (1975)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**FINAL** - 1999 IAAF World Championships (Sevilla, ESP)

Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999

date 27-Aug-99 time 6.07 10.76 15.51 20.48 20.48 1 / 7  
reaction time 0.131 interval 4.69 4.75 4.97 # of strides 10.76 9.72 1.04  
wind 1.2 m/s velocity 8.24 10.66 10.53 10.06 9.77 9.29 10.29

**Golitin, Amaury (FRA) (1997)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**FINAL** - 2022 Meeting de Paris (Paris, FRA)

Omega Timing (2022) - diamond league race analysis

date 18-Jun-22 time 5.71 10.26 15.16 20.52 20.52 5 / 5  
reaction time 0.157 interval 4.55 4.90 5.36 # of strides 10.26 10.26 0.00  
wind 0.6 m/s velocity 8.76 10.99 10.20 9.33 9.75 94.0 9.75 9.75

**Gómez, Miguel Ángel (ESP) (1968)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**FINAL** - 1989 IAAF World Cup (Barcelona, ESP)

Pascua (1990) - atletismo (I) carreras y marcha

date 10-Sep-89 time 10.97 15.85 20.98 20.98 / 8  
reaction time 0.278 interval 4.88 5.13 # of strides 10.97 10.01 0.96

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

wind	1.9 m/s	velocity	9.12	10.25	9.75	9.53		9.12	9.99	
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**Goremykin, Aleksandr (URS) (1971)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL** - 1991 IAAF World Championships (Tokyo, JPN)      *Butler (2013) - IAAF world championships statistics handbook- moscow 2013*

date	27-Aug-91	time	10.49		20.78	20.78	8 / 8			
reaction time	0.159	interval			10.29		# of strides	10.49	10.29	0.20
wind	-3.4 m/s	velocity	9.53		9.72	9.62	86.2	9.53	9.72	

**FINAL** - 1991 European Cup (Frankfurt, GER)      *Federle (2003) - http://www.fgs.uni-halle.de*

date	30-Jun-91	time	10.71		20.83	20.83	/ 4			
reaction time		interval			10.12		# of strides	10.71	10.12	0.59
wind	-1.6 m/s	velocity	9.34		9.88	9.60		9.34	9.88	

**Goúsis, Anastásios (GRE) (1979)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**

**FINAL** - 2007 IAAF World Championships (Osaka, JPN)      *Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	30-Aug-07	time	5.91	10.48	15.34	20.75	20.75	2 / 8		
reaction time	0.143	interval	4.57	4.86	5.41		# of strides	10.48	10.27	0.21
wind	-0.8 m/s	velocity	8.46	10.94	10.29	9.24	9.64	92.5	9.54	9.74

**Semi-Final 2** - 2007 IAAF World Championships (Osaka, JPN)      *Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	29-Aug-07	time	5.90	10.42	15.19	20.33	20.33	7 / 4		
reaction time	0.151	interval	4.52	4.77	5.14		# of strides	10.42	9.91	0.51
wind	-0.4 m/s	velocity	8.47	11.06	10.48	9.73	9.84	91.2	9.60	10.09

**Quarter-Final 4** - 2007 IAAF World Championships (Osaka, JPN)      *Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	28-Aug-07	time	5.96	10.47	15.25	20.51	20.51	4 / 2		
reaction time	0.139	interval	4.51	4.78	5.26		# of strides	10.47	10.04	0.43
wind	0.6 m/s	velocity	8.39	11.09	10.46	9.51	9.75	92.0	9.55	9.96

**FINAL** - 2007 European Cup (Munich, GER)      *Graubner (2007) - http://www.fgs.uni-halle.de*

date	24-Jun-07	time	10.52	15.26	20.43	20.43		/ 3			
reaction time	0.139	interval		4.74	5.17	<b>PB</b>		# of strides	10.52	9.91	0.61
wind	1.0 m/s	velocity	9.51	10.55	9.67	9.79			9.51	10.09	

**Gray, Brent (USA) (1986)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**

**Quarter-Final 2** - 2008 USA Olympic Trials (Eugene, OR)      *USATF Women's Sprint Development with HPC (2008)*

date	05-Jul-08	time	6.07	10.92	15.71	21.14	21.14	6 / 5		
reaction time		interval	4.85	4.79	5.43		# of strides	10.92	10.22	0.70
wind	1.4 m/s	velocity	8.24	10.31	10.44	9.21	9.46		9.16	9.78

**Heat 1** - 2008 USA Olympic Trials (Eugene, OR)      *USATF Women's Sprint Development with HPC (2008)*

date	04-Jul-08	time	5.92	10.59	15.35	20.64	20.64	8 / 2		
reaction time		interval	4.67	4.76	5.29		# of strides	10.59	10.05	0.54
wind	1.0 m/s	velocity	8.45	10.71	10.50	9.45	9.69		9.44	9.95

**Green, Joseph (GUM) (2001)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**

**Heat 2** - 2022 World Athletics Championships (Eugene, OR)      *Timing by Seiko (2022) - world athletics championships race analysis*

date	18-Jul-22	time	11.19			22.04	22.04	6 / 7		
reaction time	0.164	interval			10.85	<b>PB</b>	# of strides	11.19	10.85	0.34
wind	0.0 m/s	velocity	8.94			9.22	9.07	93.7	8.94	9.22

**Greaux, Kyle (TTO) (1988)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**

**Semi-Final 1** - 2017 IAAF World Championships (London, GBR)      *Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m*

date	09-Aug-17	time	10.42	15.24	20.47	20.65		6 / 8		
reaction time	0.176	interval		4.82	5.23		# of strides	10.42	10.05	0.37
wind	2.1 m/s	velocity	9.60	10.37	9.56	9.69		9.60	9.95	

**Greene, Maurice (USA) (1974)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**

**FINAL** - 1999 IAAF World Championships (Sevilla, ESP)      *Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999*

date	27-Aug-99	time	5.74	10.25	14.94	19.90	19.90	3 / 1		
reaction time	0.144	interval	4.51	4.69	4.96		# of strides	10.25	9.65	0.60
wind	1.2 m/s	velocity	8.71	11.09	10.66	10.08	10.05		9.76	10.36

**Gregory, Robert (USA) (2001)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**

**FINAL** - 2024 USA Olympic Trials (Eugene, OR)      *USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date	29-Jun-24	time	6.05	10.78	15.59	20.56	20.56	3 / 7		
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reaction time	interval	4.73	4.81	4.97		# of strides	10.78	9.78	1.00	
wind	0.5 m/s	velocity	8.26	10.57	10.40	10.06	9.73	85.2	9.28	10.22

**Semi-Final 3** - 2024 USA Olympic Trials (Eugene, OR)*USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date	28-Jun-24	time	5.83	10.55	15.18	19.98	19.98	8 / 3			
reaction time		interval	4.72	4.63	4.80			# of strides	10.55	9.43	1.12
wind	2.5 m/s	velocity	8.58	10.59	10.80	10.42	10.01	84.0	9.48	10.60	

**Heat 2** - 2024 USA Olympic Trials (Eugene, OR)*USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date	27-Jun-24	time	5.98	10.63	15.43	20.38	20.38	3 / 2			
reaction time		interval	4.65	4.80	4.95			# of strides	10.63	9.75	0.88
wind	0.0 m/s	velocity	8.36	10.75	10.42	10.10	9.81	83.5	9.41	10.26	

**Griffin, Rohsaan (USA) (1974)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 1** - 1996 USA Olympic Trials (Atlanta, GA)*USATF Women's Sprint Development (1996)*

date	23-Jun-96	time	10.49	15.12	20.31	20.31	7 / 8				
reaction time		interval		4.63	5.19			# of strides	10.49	9.82	0.67
wind	2.7 m/s	velocity		9.53	10.80	9.63	9.85		9.53	10.18	

**Quarter-Final 1** - 1996 USA Olympic Trials (Atlanta, GA)*Hymans (2020) - history of the US olympic trials - track and field*

date	22-Jun-96	time	10.58		20.60	20.60	/ 5				
reaction time		interval			10.02			# of strides	10.58	10.02	0.56
wind	2.4 m/s	velocity		9.45	9.98	9.71			9.45	9.98	

**Heat 2** - 1996 USA Olympic Trials (Atlanta, GA)*Hymans (2020) - history of the US olympic trials - track and field*

date	21-Jun-96	time	10.56		20.58	20.58	/ 5				
reaction time		interval			10.02			# of strides	10.56	10.02	0.54
wind	0.3 m/s	velocity		9.47	9.98	9.72			9.47	9.98	

**Grimes, Mickey (USA) (1976)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 2** - 2008 USA Olympic Trials (Eugene, OR)*USATF Women's Sprint Development with HPC (2008)*

date	05-Jul-08	time	5.91	10.59	15.51	20.96	20.96	3 / 6			
reaction time		interval		4.68	4.92	5.45		# of strides	10.59	10.37	0.22
wind	-0.9 m/s	velocity		8.46	10.68	10.16	9.54		9.44	9.64	

**Quarter-Final 1** - 2008 USA Olympic Trials (Eugene, OR)*USATF Women's Sprint Development with HPC (2008)*

date	05-Jul-08	time	5.94	10.71	15.63	21.18	21.18	4 / 3			
reaction time		interval		4.77	4.92	5.55		# of strides	10.71	10.47	0.24
wind	-0.5 m/s	velocity		8.42	10.48	10.16	9.44		9.34	9.55	

**Heat 4** - 2008 USA Olympic Trials (Eugene, OR)*USATF Women's Sprint Development with HPC (2008)*

date	04-Jul-08	time	5.97	10.67	15.55	21.00	21.00	6 / 4			
reaction time		interval		4.70	4.88	5.45		# of strides	10.67	10.33	0.34
wind	1.2 m/s	velocity		8.38	10.64	10.25	9.52	88.0	9.37	9.68	

**FINAL** - 2004 USA Olympic Trials (Sacramento, CA)*USATF Women's Sprint Development (2004)*

date	18-Jul-04	time	5.96	10.73	15.53	20.98	20.98	2 / <del>3</del>			
reaction time		interval		4.77	4.80	5.45	<b>DV</b>	# of strides	10.73	10.25	0.48
wind	-0.7 m/s	velocity		8.39	10.48	10.42	9.53		9.32	9.76	

**Semi-Final 1** - 2004 USA Olympic Trials (Sacramento, CA)*USATF Women's Sprint Development (2004)*

date	17-Jul-04	time	5.84	10.44	15.20	20.48	20.48	7 / <del>3</del>			
reaction time		interval		4.60	4.76	5.28	<b>DV</b>	# of strides	10.44	10.04	0.40
wind	-0.7 m/s	velocity		8.56	10.87	10.50	9.77		9.58	9.96	

**Grønnhaug, Jonas (NOR) (1989)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****B FINAL** - 2014 Windsprint (Sundsvall, SWE)*Johansen (2014) - www.ssg.se/windsprint/Splittider/*

date	20-Jul-14	time	11.35		21.73	21.73	6 / 4				
reaction time		interval			10.38			# of strides	11.35	10.38	0.97
wind	2.1 m/s	velocity		8.81	9.63	9.20			8.81	9.63	

**Groth, Joel (SWE) (1991)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****B FINAL** - 2014 Windsprint (Sundsvall, SWE)*Johansen (2014) - www.ssg.se/windsprint/Splittider/*

date	20-Jul-14	time	11.15		21.35	21.35	5 / 2				
reaction time		interval			10.20			# of strides	11.15	10.20	0.95
wind	2.1 m/s	velocity		8.97	9.80	9.37			8.97	9.80	

<b>G FINAL - 2007 Windsprint (Sundsvall, SWE)</b>							<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>			
date	24-Jul-07	time	12.34	18.05	24.00	24.00	3 / 3			
reaction time		interval		5.71	5.95		# of strides	12.34	11.66	0.68
wind	1.0 m/s	velocity	8.10	8.76	8.40	8.33		8.10	8.58	

<b>Guilbe, Edgardo (PUR) (1966)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Semi-Final 2 - 1988 Olympic Games (Seoul, KOR)</b>							<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>			
date	28-Sep-88	time	5.96	10.61	15.53	20.77	20.77	2 / 7		
reaction time	0.234	interval		4.65	4.92	5.24		# of strides	10.61	10.16
wind	1.6 m/s	velocity	8.39	10.75	10.16	9.54	9.63		9.43	9.84

<b>Guliyev, Ramil (TUR) (1990)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heat 5 - 2023 World Athletics Championships (Budapest, HUN)</b>							<i>Seiko Timing (2023) - world championship race analysis</i>			
date	23-Aug-23	time	10.86		20.89	20.89	9 / 6			
reaction time	0.160	interval			10.03		# of strides	10.86	10.03	0.83
wind	-0.2 m/s	velocity	9.21		9.97	9.57	89.0	9.21	9.97	

<b>FINAL - 2021 Doha Diamond League (Doha, QAT)</b>							<i>Omega Timing (2021) - diamond league race analysis</i>			
date	28-May-21	time	6.0	10.7	13.1	21.09	21.09	4 / 8		
reaction time	0.149	interval		4.70	2.40	7.99		# of strides	10.70	10.39
wind	0.4 m/s	velocity	8.33	10.64	20.83	6.26	9.48	89.0	9.35	9.62

<b>FINAL - 2019 The Match - Europe v USA (Minsk, BLR)</b>							<i>European Athletics (2019) - race analysis</i>			
date	10-Sep-19	time	10.52		20.16	20.16	5 / 1			
reaction time	0.156	interval			9.64		# of strides	10.52	9.64	0.88
wind	-0.1 m/s	velocity	9.51		10.37	9.92	88.5	9.51	10.37	

<b>FINAL - 2019 Memorial van Damme (Brussels, BEL)</b>							<i>Omega Timing (2019) - diamond league race analysis</i>			
date	06-Sep-19	time	5.8	10.3	14.9	19.86	19.86	5 / 2		
reaction time	0.153	interval		4.5	4.6	4.96		# of strides	10.30	9.56
wind	0.8 m/s	velocity	8.62	11.11	10.87	10.08	10.07	87.5	9.71	10.46

<b>FINAL - 2019 Meeting de Paris (Paris, FRA)</b>							<i>Omega Timing (2019) - diamond league race analysis</i>			
date	24-Aug-19	time	5.9	10.5	15.1	20.01	20.01	4 / 2		
reaction time	0.148	interval		4.6	4.6	4.91		# of strides	10.50	9.51
wind	0.2 m/s	velocity	8.47	10.87	10.87	10.18	10.00	88.0	9.52	10.52

<b>FINAL - 2019 Athletissima (Lausanne, SUI)</b>							<i>Omega Timing (2019) - diamond league race analysis</i>			
date	05-Jul-19	time	5.9	10.4	15.1	20.01	20.01	4 / 5		
reaction time	0.130	interval		4.5	4.7	4.91		# of strides	10.40	9.61
wind	-0.1 m/s	velocity	8.47	11.11	10.64	10.18	10.00	88.0	9.62	10.41

<b>FINAL - 2017 IAAF World Championships (London, GBR)</b>							<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>			
date	10-Aug-17	time	5.79	10.32	15.08	20.09	20.09	5 / 1		
reaction time	0.165	interval		4.53	4.76	5.01		# of strides	10.32	9.77
wind	-0.1 m/s	velocity	8.64	11.04	10.50	9.98	9.96	88.5	9.69	10.24

<b>Semi-Final 3 - 2017 IAAF World Championships (London, GBR)</b>							<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>			
date	09-Aug-17	time	5.74	10.29	15.01	20.17	20.17	4 / 1		
reaction time	0.167	interval		4.55	4.72	5.16		# of strides	10.29	9.88
wind	0.3 m/s	velocity	8.71	10.99	10.59	9.69	9.92	87.6	9.72	10.12

<b>Heat 4 - 2017 IAAF World Championships (London, GBR)</b>							<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>			
date	07-Aug-17	time	5.84	10.44	15.18	20.16	20.16	5 / 1		
reaction time	0.153	interval		4.60	4.74	4.98		# of strides	10.44	9.72
wind	0.7 m/s	velocity	8.56	10.87	10.55	10.04	9.92	87.0	9.58	10.29

<b>FINAL - 2016 Olympic Games (Rio de Janeiro, BRA)</b>							<i>Butler (2021) - athletics statistics book: games of the XXXII Olympiad- Tokyo 2020</i>			
date	18-Aug-16	time	10.6		20.43	20.43	1 / 8			
reaction time	0.141	interval			9.83		# of strides	10.60	9.83	0.77
wind	-0.5 m/s	velocity	9.43		10.17	9.79	89.2	9.43	10.17	

<b>Guliyev, Ramil (AZE) (1990)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2009 IAAF World Championships (Berlin, GER)</b>							<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>			
date	20-Aug-09	time	6.04	10.77	15.62	20.61	20.61	1 / 7		
reaction time	0.165	interval		4.73	4.85	4.99		# of strides	10.77	9.84
wind	-0.3 m/s	velocity	8.28	10.57	10.31	10.02	9.70	88.0	9.29	10.16

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

<b>Semi-Final 2</b> - 2009 IAAF World Championships (Berlin, GER)				<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>							
date	19-Aug-09	time	5.85	10.43	15.21	20.28	20.28	4 / 4			
reaction time	0.154	interval		4.58	4.78	5.07		# of strides	10.43	9.85	0.58
wind	0.3 m/s	velocity	8.55	10.92	10.46	9.86	9.86		9.59	10.15	

<b>Quarter-Final 3</b> - 2009 IAAF World Championships (Berlin, GER)				<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>							
date	18-Aug-09	time	5.92	10.56	15.31	20.40	20.40	7 / 2			
reaction time	0.154	interval		4.64	4.75	5.09		# of strides	10.56	9.84	0.72
wind	-0.3 m/s	velocity	8.45	10.78	10.53	9.82	9.80		9.47	10.16	

<b>Heat 4</b> - 2009 IAAF World Championships (Berlin, GER)				<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>							
date	18-Aug-09	time	6.04	10.84	15.76	21.12	21.12	5 / 2			
reaction time	0.148	interval		4.80	4.92	5.36		# of strides	10.84	10.28	0.56
wind	0.2 m/s	velocity	8.28	10.42	10.16	9.33	9.47		9.23	9.73	

<b>Ha, Sawa (JPN)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>U20 FINAL</b> - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)				<i>Yama (2019) - research on athlete performance and technique- 2019 data book</i>							
date	20-Oct-19	time	5.92	10.62	15.65	21.00	21.00	6 / 1			
reaction time	0.177	interval		4.70	5.03	5.35		# of strides	10.62	10.38	0.24
wind	-1.2 m/s	velocity	8.45	10.64	9.94	9.35	9.52	98.5	9.42	9.63	

<b>Hackley, Jimmie (USA) (1975)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Semi-Final 2</b> - 2004 USA Olympic Trials (Sacramento, CA)				<i>USATF Women's Sprint Development (2004)</i>							
date	17-Jul-04	time	5.87	10.50	15.37	20.88	20.88	7 / 8			
reaction time		interval		4.63	4.87	5.51		# of strides	10.50	10.38	0.12
wind	0.1 m/s	velocity	8.52	10.80	10.27	9.07	9.58		9.52	9.63	

<b>Hall-Thompson, Elijah (USA) (1994)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2020 Bauhaus Galan (Stockholm, SWE)				<i>Omega Timing (2020) - diamond league race analysis</i>							
date	23-Aug-20	time	6.0	10.8	15.7	20.90	20.90	8 / 7			
reaction time	0.143	interval		4.80	4.90	5.20		# of strides	10.80	10.10	0.70
wind	3.0 m/s	velocity	8.33	10.42	10.20	9.62	9.57	88.7	9.26	9.90	

<b>FINAL</b> - 2017 USATF National Championships (Sacramento, CA)				<i>speedendurance.com/2017/07/14/200m-splits-from-usa-national-championships/</i>							
date	25-Jun-17	time		10.41		20.21	20.21	8 / 3			
reaction time		interval				9.80	<b>PB</b>	# of strides	10.41	9.80	0.61
wind	-2.3 m/s	velocity		9.61		10.20	9.90		9.61	10.20	

<b>Hama, Ryoutaro (JPN) (2006)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2024 Japanese National High School Championships (Fukuoka, JPN)				<i>Takashima (2024) - national high school sports festival - biomechanics data</i>							
date	31-Jul-24	time	6.04	10.97	15.90	21.10	21.10	5 / 6			
reaction time	0.174	interval		4.93	4.93	5.20	<b>PB</b>	# of strides	10.97	10.13	0.84
wind	0.1 m/s	velocity	8.28	10.14	10.14	9.62	9.48		9.12	9.87	

<b>Hamaguchi, Kotaro (JPN) (2001)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2018 Japanese National Youth (U18) Championships (Nagano, JPN)				<i>Ryutaro (2018) - research on athlete performance and technique</i>							
date	21-Oct-18	time	6.36	11.27	16.37	21.68	21.68	8 / 6			
reaction time	0.170	interval		4.91	5.10	5.31		# of strides	11.27	10.41	0.86
wind	0.1 m/s	velocity	7.86	10.18	9.80	9.42	9.23	96.7	8.87	9.61	

<b>Hampton, Millard (USA) (1956)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 1976 USA Olympic Trials (Eugene, OR)				<i>Breizer (1984) - sprint competition analysis</i>							
date	21-Jun-76	time		10.17	15.03	20.10	20.10	8 / 1			
reaction time		interval			4.86	5.07	<b>PB</b>	# of strides	10.17	9.93	0.24
wind	1.7 m/s	velocity		9.83	10.29	9.86	9.95		9.83	10.07	

<b>Hane, Seiya (JPN) (1990)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2011 Japanese National Championships (Kumagaya, JPN)				<i>Kyohei (2012) - run performance of 2011 world &amp; Japanese top 200m sprinters</i>							
date	11-Jun-11	time	5.92	10.67	15.62	20.90	20.90	1 / 7			
reaction time		interval		4.75	4.95	5.28		# of strides	10.67	10.23	0.44
wind	0.0 m/s	velocity	8.45	10.53	10.10	9.47	9.57		9.37	9.78	

<b>Hansen, Simon (DEN) (1998)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heat 2</b> - 2022 World Athletics Championships (Eugene, OR)				<i>Timing by Seiko (2022) - world athletics championships race analysis</i>						
date	18-Jul-22	time		10.54		20.80	20.80	2 / 5		

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

reaction time	0.128	interval		10.26		# of strides	10.54	10.26	0.28
wind	0.0 m/s	velocity	9.49	9.75	9.62	92.5	9.49	9.75	

**Hara, Shota (JPN) (1992)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Race 2 - 2020 World Athletics Trials (Fuji, JPN)** *Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020*

date	06-Sep-20	time	5.85	10.57	15.59	20.91	20.91	6 / 2	
reaction time		interval		4.72	5.02	5.32		# of strides	10.57 10.34 0.23
wind	-0.6 m/s	velocity	8.55	10.59	9.96	9.40	9.56	94.7	9.46 9.67

**FINAL - 2020 Seiko Golden Grand Prix (Tokyo, JPN)** *Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020*

date	23-Aug-20	time	5.89	10.66	15.65	20.97	20.97	9 / 2	
reaction time	0.118	interval		4.77	4.99	5.32		# of strides	10.66 10.31 0.35
wind	0.6 m/s	velocity	8.49	10.48	10.02	9.40	9.54	95.2	9.38 9.70

**FINAL - 2019 Seiko Golden Grand Prix (Osaka, JPN)** *Hirokawa (2019) - research on athlete performance and technique- 2019 data book*

date	19-May-19	time	5.81	10.55	15.58	21.03	21.03	1 / 9	
reaction time	0.148	interval		4.74	5.03	5.45		# of strides	10.55 10.48 0.07
wind	-0.4 m/s	velocity	8.61	10.55	9.94	9.17	9.51	96.5	9.48 9.54

**B FINAL - 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)** *Kobayashi (2019) - research on athlete performance technique- 2019 data book*

date	03-May-19	time	5.87	10.61	15.64	20.97	20.97	6 / 2	
reaction time		interval		4.74	5.03	5.33		# of strides	10.61 10.36 0.25
wind	-0.2 m/s	velocity	8.52	10.55	9.94	9.38	9.54	94.2	9.43 9.65

**FINAL - 2018 Seiko Golden Grand Prix (Osaka, JPN)** *Takahasi (2018) - 200m Running Performance Analysis of Top Athletes in 2018*

date	20-May-18	time	5.86	10.56	15.44	20.65	20.65	1 / 6	
reaction time	0.121	interval		4.70	4.88	5.21		# of strides	10.56 10.09 0.47
wind	0.9 m/s	velocity	8.53	10.64	10.25	9.60	9.69	93.2	9.47 9.91

**A FINAL - 2018 Shizuoka International Meeting (Fukuroi, JPN)** *Takahasi (2018) - 200m Running Performance Analysis of Top Athletes in 2018*

date	03-May-18	time	5.91	10.58	15.49	20.75	20.75	5 / 2	
reaction time	0.162	interval		4.67	4.91	5.26		# of strides	10.58 10.17 0.41
wind	0.3 m/s	velocity	8.46	10.71	10.18	9.51	9.64	94.2	9.45 9.83

**Heat 3 - 2018 Shizuoka International Meeting (Fukuroi, JPN)** *Ryutaro (2018) - research on athlete performance and technique- 2018 data book*

date	03-May-18	time	5.92	10.59	15.50	20.76	20.76	5 / 1	
reaction time	0.178	interval		4.67	4.91	5.26		# of strides	10.59 10.17 0.42
wind	-0.2 m/s	velocity	8.45	10.71	10.18	9.51	9.63	94.0	9.44 9.83

**FINAL - 2017 Japanese National Championships (Osaka, JPN)** *Takahasi (2017) - 200m running performance analysis in the 2017 season*

date	25-Jun-17	time	5.89	10.55	15.43	20.77	20.77	4 / 4	
reaction time	0.168	interval		4.66	4.88	5.34		# of strides	10.55 10.22 0.33
wind	0.3 m/s	velocity	8.49	10.73	10.25	9.36	9.63	96.0	9.48 9.78

**FINAL - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)** *Takahasi (2017) - 200m running performance analysis in the 2017 season*

date	21-May-17	time	5.83	10.57	15.47	21.03	21.03	6 / 4	
reaction time	0.151	interval		4.74	4.90	5.56		# of strides	10.57 10.46 0.11
wind	-2.0 m/s	velocity	8.58	10.55	10.20	8.99	9.51	91.0	9.46 9.56

**FINAL - 2017 Shizuoka International Meeting (Fukuroi, JPN)** *Takahasi (2017) - 200m running performance analysis in the 2017 season*

date	03-May-17	time	6.06	10.92	15.93	21.30	21.30	2 / 6	
reaction time		interval		4.86	5.01	5.37		# of strides	10.92 10.38 0.54
wind	0.2 m/s	velocity	8.25	10.29	9.98	9.31	9.39	97.0	9.16 9.63

**FINAL - 2016 Japanese National Championships (Nagoya, JPN)** *Takahasi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

date	26-Jun-16	time	5.89	10.54	15.29	20.33	20.33	5 / 3	
reaction time	0.152	interval		4.65	4.75	5.04	<b>PB</b>	# of strides	10.54 9.79 0.75
wind	1.8 m/s	velocity	8.49	10.75	10.53	9.92	9.84	94.0	9.49 10.21

**FINAL - 2016 Seiko Golden Grand Prix (Kawasaki, JPN)** *Takahasi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

date	08-May-16	time	5.83	10.57	15.47	20.77	20.77	1 / 4	
reaction time	0.109	interval		4.74	4.90	5.30		# of strides	10.57 10.20 0.37
wind	-0.6 m/s	velocity	8.58	10.55	10.20	9.43	9.63	94.0	9.46 9.80

**FINAL - 2016 Shizuoka International Athletics Meeting (Fukuroi, JPN)** *Takahasi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

date	03-May-16	time	5.95	10.70	15.55	20.73	20.73	1 / 3	
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reaction time	interval	4.75	4.85	5.18		# of strides	10.70	10.03	0.67
wind	1.0 m/s	velocity	8.40	10.53	10.31	9.65	9.65	9.35	9.97

**FINAL - 2015 Japanese National Championships (Niigata, JPN)***Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date	27-Jun-15	time	6.00	10.73	15.63	20.88	20.88	3 / 5			
reaction time	0.166	interval	4.73	4.90	5.25			# of strides	10.73	10.15	0.58
wind	0.8 m/s	velocity	8.33	10.57	10.20	9.52	9.58	96.0	9.32	9.85	

**FINAL - 2015 Seiko Golden Grand Prix (Kawasaki, JPN)***Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date	10-May-15	time	6.00	10.70	15.64	20.95	20.95	2 / 6			
reaction time		interval	4.70	4.94	5.31			# of strides	10.70	10.25	0.45
wind	-0.5 m/s	velocity	8.33	10.64	10.12	9.42	9.55	96.0	9.35	9.76	

**FINAL - 2015 Mikio Oda Memorial (Hiroshima, JPN)***Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date	18-Apr-15	time	6.17	10.99	15.84	21.10	21.10	8 / 7			
reaction time		interval	4.82	4.85	5.26			# of strides	10.99	10.11	0.88
wind	1.5 m/s	velocity	8.10	10.37	10.31	9.51	9.48	95.7	9.10	9.89	

**Hardy, Prezel (USA) (1992)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2015 Seiko Golden Grand Prix (Kawasaki, JPN)***Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date	10-May-15	time	5.88	10.59	15.59	21.08	21.08	4 / 7			
reaction time		interval	4.71	5.00	5.49			# of strides	10.59	10.49	0.10
wind	-0.5 m/s	velocity	8.50	10.62	10.00	9.11	9.49	93.5	9.44	9.53	

**Harrison, Eric (TTO) (1999)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Heat 7 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	18-Jul-22	time	10.52		20.54	20.54	8 / 5				
reaction time	0.110	interval			10.02			# of strides	10.52	10.02	0.50
wind	-0.3 m/s	velocity	9.51		9.98	9.74	97.0		9.51	9.98	

**Harrison, Eric (USA) (1999)****FINAL - 2018 IAAF World Junior Championships (Tampere, FIN)***Koyama (2018) - research on athlete performance and technique- 2018 data book*

date	13-Jul-18	time	5.86	10.49	15.44	20.79	20.79	6 / 3			
reaction time	0.149	interval	4.63	4.95	5.35			# of strides	10.49	10.30	0.19
wind	-0.1 m/s	velocity	8.53	10.80	10.10	9.35	9.62		9.53	9.71	

**Hartmann, Joshua (GER) (1999)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Semi-Final 2 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympic Games - Results Book (2024)*

date	07-Aug-24	time	5.83	10.47	15.35	20.47	20.47	5 / 5			
reaction time	0.151	interval	4.64	4.88	5.12			# of strides	10.47	10.00	0.47
wind	-0.2 m/s	velocity	8.58	10.78	10.25	9.77	9.77	86.0	9.55	10.00	

**Heat 4 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympic Games - Results Book (2024)*

date	05-Aug-24	time	5.84	10.51	15.31	20.30	20.30	2 / 3			
reaction time	0.144	interval	4.67	4.80	4.99			# of strides	10.51	9.79	0.72
wind	0.2 m/s	velocity	8.56	10.71	10.42	10.02	9.85	85.2	9.51	10.21	

**FINAL - 2024 Herculis Meeting International d'Athlétisme (Monaco, MON)***Omega Timing (2024) - diamond league race analysis*

date	12-Jul-24	time	5.88	10.52	15.39	20.54	20.54	3 / 6			
reaction time	0.169	interval	4.64	4.87	5.15			# of strides	10.52	10.02	0.50
wind	0.6 m/s	velocity	8.50	10.78	10.27	9.71	9.74	86.7	9.51	9.98	

**FINAL - 2024 Seashore Doha Meeting (Doha, QAT)***Omega Timing (2024) - diamond league race analysis*

date	10-May-24	time	5.80	10.43	15.22	20.36	20.36	2 / 6			
reaction time	0.126	interval	4.63	4.79	5.14			# of strides	10.43	9.93	0.50
wind	1.7 m/s	velocity	8.62	10.80	10.44	9.73	9.82	86.0	9.59	10.07	

**FINAL - 2023 Weltklasse (Zürich, SUI)***Omega Timing (2023) - diamond league race analysis*

date	31-Aug-23	time	5.84	10.47	15.35	20.43	20.43	1 / 7			
reaction time	0.141	interval	4.63	4.88	5.08			# of strides	10.47	9.96	0.51
wind	-0.5 m/s	velocity	8.56	10.80	10.25	9.84	9.79	86.5	9.55	10.04	

**Heat 3 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time		10.59		20.51	20.51	3 / 4			
reaction time	0.157	interval				9.92		# of strides	10.59	9.92	0.67
wind	-1.4 m/s	velocity		9.44		10.08	9.75	86.2	9.44	10.08	

**FINAL - 2023 Bislett Games (Oslo, NOR)***Omega Timing (2023) - diamond league race analysis*

date	15-Jun-23	time	5.85	10.49	15.32	20.39	20.39	1 / 6			
reaction time	0.131	interval		4.64	4.83	5.07		# of strides	10.49	9.90	0.59
wind	0.6 m/s	velocity	8.55	10.78	10.35	9.86	9.81	86.2	9.53	10.10	

**FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)***Omega Timing (2022) - diamond league race analysis*

date	09-Jun-22	time	5.86	10.57	15.51	20.78	20.78	1 / 7			
reaction time	0.127	interval		4.71	4.94	5.27		# of strides	10.57	10.21	0.36
wind	-0.1 m/s	velocity	8.53	10.62	10.12	9.49	9.62	86.5	9.46	9.79	

**Hartonen, Tommi (FIN) (1977)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>Semi-Final 2 - 2002 European Championships (Munich, GER)</b>											
<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>											
date	09-Aug-02	time	6.01	10.69	15.70	21.04	21.04	1 / 7			
reaction time	0.141	interval		4.68	5.01	5.34		# of strides	10.69	10.35	0.34
wind	0.2 m/s	velocity	8.32	10.68	9.98	9.36	9.51		9.35	9.66	

**Hashi, Tetsuya (JPN)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>U20 FINAL - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)</b>											
<i>Yamanaka (2019) - research on athlete performance and technique- 2019 data book</i>											
date	20-Oct-19	time	6.01	10.79	15.90	21.40	21.40	8 / 3			
reaction time	0.188	interval		4.78	5.11	5.50		# of strides	10.79	10.61	0.18
wind	-1.2 m/s	velocity	8.32	10.46	9.78	9.09	9.35	95.0	9.27	9.43	

**Hashimoto, Akiyuki (JPN) (1994)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL - 2019 Japanese National Championships (Fukuoka, JPN)</b>											
<i>Yamanaka (2019) - research on athlete performance and technique- 2019 data book</i>											
date	30-Jun-19	time	5.92	10.72	15.78	21.13	21.13	2 / 7			
reaction time	0.152	interval		4.80	5.06	5.35		# of strides	10.72	10.41	0.31
wind	-1.3 m/s	velocity	8.45	10.42	9.88	9.35	9.47	90.0	9.33	9.61	

**FINAL - 2018 Japanese Corporate Championships (Osaka, JPN)***Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018*

date	22-Sep-18	time	5.91	10.60	15.53	20.87	20.87	5 / 3			
reaction time	0.151	interval		4.69	4.93	5.34		# of strides	10.60	10.27	0.33
wind	0.1 m/s	velocity	8.46	10.66	10.14	9.36	9.58	90.2	9.43	9.74	

**FINAL - 2012 Japanese National High School Championships (Niigata, JPN)***Yasunori (2012) - 65th high school championships: JAF scientific committee-*

date	01-Aug-12	time	5.91	10.56	15.49	20.81	20.81	4 / 1			
reaction time		interval		4.65	4.93	5.32		# of strides	10.56	10.25	0.31
wind	-0.5 m/s	velocity	8.46	10.75	10.14	9.40	9.61		9.47	9.76	

**FINAL - 2011 Japanese National High School Championships (Kitakami, JPN)***Abe (2011) - 64th high school championships: JAF scientific committee*

date	06-Aug-11	time	5.99	10.83	15.67	21.10	21.10	1 / 2			
reaction time		interval		4.84	4.84	5.43		# of strides	10.83	10.27	0.56
wind	-0.4 m/s	velocity	8.35	10.33	10.33	9.21	9.48		9.23	9.74	

**FINAL - 2015 Mikio Oda Memorial (Hiroshima, JPN)***Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date	18-Apr-15	time	5.94	10.63	15.39	20.71	20.71	3 / 2			
reaction time		interval		4.69	4.76	5.32		# of strides	10.63	10.08	0.55
wind	1.5 m/s	velocity	8.42	10.66	10.50	9.40	9.66	90.7	9.41	9.92	

**Hattori, Tatsuya (JPN) (1988)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL - 2011 Shizuoka International Athletics Meeting (Fukuroi, JPN)</b>											
<i>Kyohei (2012) - run performance of 2011 world &amp; Japanese top 200m sprinters</i>											
date	03-May-11	time	5.98	10.72	15.75	21.17	21.17	1 / 7			
reaction time		interval		4.74	5.03	5.42		# of strides	10.72	10.45	0.27
wind	0.5 m/s	velocity	8.36	10.55	9.94	9.23	9.45		9.33	9.57	

**Hayashi, Kanata (JPN) (2001)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL - 2020 Japanese U20 National Championships (Hiroshima, JPN)</b>											
<i>Takahashi (2020) - 200m race analysis of top japanese sprinters in 2020</i>											
date	25-Oct-20	time	6.12	11.11	16.18	21.47	21.47	2 / 5			
reaction time	0.158	interval		4.99	5.07	5.29		# of strides	11.11	10.36	0.75
wind	1.5 m/s	velocity	8.17	10.02	9.86	9.45	9.32	98.3	9.00	9.65	

**Heat 1 - 2020 Japanese U20 National Championships (Hiroshima, JPN)***Kobayashi (2002) - national high school and U20 national championships*

date	25-Oct-20	time	6.08	11.01	16.01	21.42	21.42	6 / 3			
reaction time	0.148	interval		4.93	5.00	5.41		# of strides	11.01	10.41	0.60
wind	1.4 m/s	velocity	8.22	10.14	10.00	9.24	9.34	97.7	9.08	9.61	

**FINAL - 2018 Japanese National Youth (U18) Championships (Nagano, JPN)***Ryutaro (2018) - research on athlete performance and technique*

date	21-Oct-18	time	6.16	11.10	16.23	21.62	21.62	7 / 5		
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reaction time	0.149	interval	4.94	5.13	5.39		# of strides	11.10	10.52	0.58
wind	0.1 m/s	velocity	8.12	10.12	9.75	9.28	9.25	94.7	9.01	9.51

**Heard, Floyd (USA) (1966)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Semi-Final 2** - 2000 USA Olympic Trials (Sacramento, CA) *Hymans (2020) - history of the US olympic trials - track and field*

date	23-Jul-00	time	10.3	20.15	20.15		/ 2			
reaction time		interval		9.85			# of strides	10.30	9.85	0.45
wind	1.1 m/s	velocity	9.71	10.15	9.93			9.71	10.15	

**FINAL** - 1996 USA Olympic Trials (Atlanta, GA)

*USATF Women's Sprint Development (1996)*

date	23-Jun-96	time	10.70	15.44	20.34	20.34		8 / 7			
reaction time		interval		4.74	4.90			# of strides	10.70	9.64	1.06
wind	1.7 m/s	velocity	9.35	10.55	10.20	9.83			9.35	10.37	

**Semi-Final 1** - 1996 USA Olympic Trials (Atlanta, GA)

*USATF Women's Sprint Development (1996)*

date	23-Jun-96	time	10.41	15.06	20.15	20.15		2 / 4			
reaction time		interval		4.65	5.09			# of strides	10.41	9.74	0.67
wind	2.7 m/s	velocity	9.61	10.75	9.82	9.93			9.61	10.27	

**Quarter-Final 3** - 1996 USA Olympic Trials (Atlanta, GA)

*Hymans (2020) - history of the US olympic trials - track and field*

date	22-Jun-96	time	10.49		20.51	20.51		/ 5			
reaction time		interval			10.02			# of strides	10.49	10.02	0.47
wind	0.7 m/s	velocity	9.53		9.98	9.75			9.53	9.98	

**Heat 4** - 1996 USA Olympic Trials (Atlanta, GA)

*Hymans (2020) - history of the US olympic trials - track and field*

date	21-Jun-96	time	10.47		20.51	20.51		/ 5			
reaction time		interval			10.04			# of strides	10.47	10.04	0.43
wind	0.9 m/s	velocity	9.55		9.96	9.75			9.55	9.96	

**FINAL** - 1989 IAAF World Cup (Barcelona, ESP)

*Pascua (1990) - atletismo (I) carreras y marcha*

date	10-Sep-89	time	10.40	15.17	20.36	20.36		/ 2			
reaction time	0.158	interval		4.77	5.19			# of strides	10.40	9.96	0.44
wind	1.9 m/s	velocity	9.62	10.48	9.63	9.82			9.62	10.04	

**FINAL** - 1987 IAAF World Championships (Rome, ITA)

*Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)*

date	03-Sep-87	time	10.66		20.25	20.25		3 / 6			
reaction time		interval			9.59			# of strides	10.66	9.59	1.07
wind	-0.4 m/s	velocity	9.38		10.43	9.88		90.0	9.38	10.43	

**Hedvičák, Jaroslav (CZE) (1990)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL** - 2013 Czech Republic National Championships (Tábor, CZE) *Feher (2013) - Final report men's & women's Czech Republic national champs*

date	16-Jun-13	time	6.22	11.22	16.52	22.16	22.16		1 / 8		
reaction time	0.165	interval		5.00	5.30	5.64		# of strides	11.22	10.94	0.28
wind	-0.9 m/s	velocity	8.04	10.00	9.43	8.87	9.03		8.91	9.14	

**Heat 2** - 2013 Czech Republic National Championships (Tábor, CZE)

*Feher (2013) - Final report men's & women's Czech Republic national champs*

date	16-Jun-13	time	6.21	11.14	16.40	21.96	21.96		3 / 3		
reaction time	0.171	interval		4.93	5.26	5.56		# of strides	11.14	10.82	0.32
wind	0.8 m/s	velocity	8.05	10.14	9.51	8.99	9.11		8.98	9.24	

**Henderson, Kevin (USA) (1965)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Semi-Final 2** - 1996 USA Olympic Trials (Atlanta, GA) *USATF Women's Sprint Development (1996)*

date	23-Jun-96	time	10.70	15.52	20.81	20.81		1 / 8			
reaction time		interval		4.82	5.29			# of strides	10.70	10.11	0.59
wind	-0.3 m/s	velocity	9.35	10.37	9.45	9.61			9.35	9.89	

**Quarter-Final 1** - 1996 USA Olympic Trials (Atlanta, GA)

*Hymans (2020) - history of the US olympic trials - track and field*

date	22-Jun-96	time	10.40		20.48	20.48		/ 4			
reaction time		interval			10.08			# of strides	10.40	10.08	0.32
wind	2.4 m/s	velocity	9.62		9.92	9.77			9.62	9.92	

**Heat 1** - 1996 USA Olympic Trials (Atlanta, GA)

*Hymans (2020) - history of the US olympic trials - track and field*

date	21-Jun-96	time	10.42		20.47	20.47		/ 4			
reaction time		interval			10.05			# of strides	10.42	10.05	0.37
wind	1.1 m/s	velocity	9.60		9.95	9.77			9.60	9.95	

<b>Heriot, William (Blake) (USA) (1991)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2008 USATF National Junior Championships (Columbus, OH)</b>						<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	22-Jun-08	time	11.06	16.36	22.29	22.29	1 / 8			
reaction time		interval		5.30	5.93		# of strides	11.06	11.23	-0.17
wind	-2.2 m/s	velocity	9.04	9.43	8.43	8.97		9.04	8.90	

<b>Hering, Robert (GER) (1990)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Semi-Final 1 - 2009 IAAF World Championships (Berlin, GER)</b>						<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>				
date	19-Aug-09	time	5.94	10.56	15.39	20.52	20.52	7 / 5		
reaction time	0.157	interval		4.62	4.83	5.13		# of strides	10.56	9.96
wind	0.0 m/s	velocity	8.42	10.82	10.35	9.75	9.75	92.0	9.47	10.04

<b>Quarter-Final 4 - 2009 IAAF World Championships (Berlin, GER)</b>						<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>				
date	18-Aug-09	time	5.94	10.60	15.46	20.58	20.58	3 / 3		
reaction time	0.142	interval		4.66	4.86	5.12		# of strides	10.60	9.98
wind	-0.6 m/s	velocity	8.42	10.73	10.29	9.77	9.72		9.43	10.02

<b>Heat 9 - 2009 IAAF World Championships (Berlin, GER)</b>						<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>				
date	18-Aug-09	time	5.91	10.53	15.44	20.64	20.64	6 / 1		
reaction time	0.151	interval		4.62	4.91	5.20		# of strides	10.53	10.11
wind	-0.7 m/s	velocity	8.46	10.82	10.18	9.62	9.69		9.50	9.89

<b>Hession, Paul (IRL) (1983)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2012 Windsprint (Sundsvall, SWE)</b>						<i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>				
date	17-Jun-12	time	10.80		20.87	20.87	/ 3			
reaction time		interval			10.07		# of strides	10.80	10.07	0.73
wind	1.5 m/s	velocity	9.26		4.79	9.58		9.26	9.93	

<b>FINAL - 2010 Great CityGames (Manchester, GBR) (200m straightaway)</b>						<i>Jalava (2010) - www.tilastopaja.org</i>				
date	16-May-10	time	10.46	15.29	20.66	20.66	4 / 3			
reaction time		interval		4.83	5.37		# of strides	10.46	10.20	0.26
wind	-0.4 m/s	velocity	9.56	10.35	9.31	9.68		9.56	9.80	

<b>Semi-Final 2 - 2009 IAAF World Championships (Berlin, GER)</b>						<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>				
date	19-Aug-09	time	5.93	10.55	15.35	20.48	20.48	8 / 6		
reaction time	0.166	interval		4.62	4.80	5.13		# of strides	10.55	9.93
wind	0.3 m/s	velocity	8.43	10.82	10.42	9.75	9.77		9.48	10.07

<b>Quarter-Final 3 - 2009 IAAF World Championships (Berlin, GER)</b>						<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>				
date	18-Aug-09	time	5.89	10.48	15.33	20.48	20.48	6 / 3		
reaction time	0.154	interval		4.59	4.85	5.15		# of strides	10.48	10.00
wind	-0.3 m/s	velocity	8.49	10.89	10.31	9.71	9.77		9.54	10.00

<b>Heat 3 - 2009 IAAF World Championships (Berlin, GER)</b>						<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>				
date	18-Aug-09	time	6.04	10.73	15.55	20.66	20.66	6 / 2		
reaction time	0.144	interval		4.69	4.82	5.11		# of strides	10.73	9.93
wind	0.1 m/s	velocity	8.28	10.66	10.37	9.78	9.68		9.32	10.07

<b>FINAL - 2008 IAAF World Athletic Final (Stuttgart, GER)</b>						<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>				
date	14-Sep-08	time	6.01	10.61	15.45	20.58	20.58	8 / 2		
reaction time	0.160	interval		4.60	4.84	5.13		# of strides	10.61	9.97
wind	-0.1 m/s	velocity	8.32	10.87	10.33	9.75	9.72		9.43	10.03

<b>FINAL - 2007 IAAF World Athletic Final (Stuttgart, GER)</b>						<i>Graubner (2007) - http://www.fgs.uni-halle.de</i>				
date	23-Sep-07	time	5.99	10.61	15.47	20.58	20.58	1 / 8		
reaction time	0.145	interval		4.62	4.86	5.11		# of strides	10.61	9.97
wind	1.3 m/s	velocity	8.35	10.82	10.29	9.78	9.72		9.43	10.03

<b>Semi-Final 2 - 2007 IAAF World Championships (Osaka, JPN)</b>						<i>Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs</i>				
date	29-Aug-07	time	5.87	10.43	15.26	20.50	20.50	4 / 6		
reaction time	0.154	interval		4.56	4.83	5.24		# of strides	10.43	10.07
wind	-0.4 m/s	velocity	8.52	10.96	10.35	9.54	9.76	96.0	9.59	9.93

<b>Quarter-Final 4 - 2007 IAAF World Championships (Osaka, JPN)</b>						<i>Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs</i>				
date	28-Aug-07	time	5.91	10.47	15.28	20.50	20.50	5 / 1		
reaction time	0.154	interval		4.56	4.81	5.22		# of strides	10.47	10.03
										0.44

wind	0.6 m/s	velocity	8.46	10.96	10.40	9.58	9.76	96.0	9.55	9.97
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<b>Hicklin, Brandon (USA) (1999)</b>			50m	100m	150m		Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Semi-Final 1</b> - 2024 USA Olympic Trials (Eugene, OR)			USATF and Karmarush (2024) - USA Olympic trials results and race analysis								
date	28-Jun-24	time	5.92	10.74	15.48	20.46	20.46	9 / 3			
reaction time		interval		4.82	4.74	4.98	<b>PB</b>	# of strides	10.74	9.72	1.02
wind	0.3 m/s	velocity	8.45	10.37	10.55	10.04	9.78		9.31	10.29	

<b>Heat 2</b> - 2024 USA Olympic Trials (Eugene, OR)			USATF and Karmarush (2024) - USA Olympic trials results and race analysis								
date	27-Jun-24	time	5.97	10.77	15.51	20.53	20.53	9 / 5			
reaction time		interval		4.80	4.74	5.02	<b>PB</b>	# of strides	10.77	9.76	1.01
wind	0.0 m/s	velocity	8.38	10.42	10.55	9.96	9.74	82.0	9.29	10.25	

<b>Hideshima, Rai (JPN) (2001)</b>			50m	100m	150m		Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2019 Japanese National High School Championships (Okinawa, JPN)			Kota (2019) - 72nd high school championships: JAF scientific committee								
date	07-Aug-19	time	6.00	10.83	15.79	21.13	21.13	4 / 5			
reaction time		interval		4.83	4.96	5.34		# of strides	10.83	10.30	0.53
wind	2.1 m/s	velocity	8.33	10.35	10.08	9.36	9.47		9.23	9.71	

<b>Higashida, Akihiro (JPN) 1995)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2021 Ready Steady Tokyo (Tokyo, JPN)			Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season								
date	09-May-21	time	5.97	10.77	15.56	20.60	20.60	1 / 3			
reaction time	0.152	interval		4.80	4.79	5.04	<b>PB</b>	# of strides	10.77	9.83	0.94
wind	1.4 m/s	velocity	8.38	10.42	10.44	9.92	9.71	92.0	9.29	10.17	

<b>Higuchi, Kazuma (JPN) (1999)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2021 Ready Steady Tokyo (Tokyo, JPN)			Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season								
date	09-May-21	time	5.95	10.67	15.61	20.88	20.88	7 / 7			
reaction time	0.162	interval		4.72	4.94	5.27		# of strides	10.67	10.21	0.46
wind	1.4 m/s	velocity	8.40	10.59	10.12	9.49	9.58	92.2	9.37	9.79	

<b>FINAL</b> - 2020 Japanese National Championships (Niigata, JPN)			Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020								
date	03-Oct-20	time	5.93	10.68	15.66	20.98	20.98	7 / 5			
reaction time	0.137	interval		4.75	4.98	5.32		# of strides	10.68	10.30	0.38
wind	-0.5 m/s	velocity	8.43	10.53	10.04	9.40	9.53	91.2	9.36	9.71	

<b>FINAL</b> - 2015 Japanese National High School Championships (Wakayama, JPN)			Inomoto (2015) - 68th high school championships: JAF scientific committee								
date	01-Aug-15	time	5.69	11.09	16.10	21.41	21.41	9 / 4			
reaction time		interval		5.40	5.01	5.31	<b>PB</b>	# of strides	11.09	10.32	0.77
wind	-1.5 m/s	velocity	8.79	9.26	9.98	9.42	9.34		9.02	9.69	

<b>Hilmersson, Jonas (SWE) (1988)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>F FINAL</b> - 2007 Windsprint (Sundsvall, SWE)			(2007) - www.ssg.se/en/Windsprint/Split-times/								
date	24-Jul-07	time		12.08	17.50	23.38	23.38	3 / 3			
reaction time		interval			5.42	5.88		# of strides	12.08	11.30	0.78
wind	0.5 m/s	velocity		8.28	9.23	8.50	8.55		8.28	8.85	

<b>Hirakawa, Kei (JPN)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2023 Japanese National High School Championships (Sapporo, JPN)			Takashima (2023) - national high school sports festival - biomechanics data								
date	05-Aug-23	time	5.95	10.94	15.87	21.19	21.19	2 / 6			
reaction time	0.174	interval		4.99	4.93	5.32		# of strides	10.94	10.25	0.69
wind	2.9 m/s	velocity	8.40	10.02	10.14	9.40	9.44		9.14	9.76	

<b>Hiyoshi, Katsumi (JPN) (1995)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2012 Japanese National High School Championships (Niigata, JPN)			Yasunori (2012) - 65th high school championships: JAF scientific committee								
date	01-Aug-12	time	5.99	10.75	15.76	21.25	21.25	8 / 4			
reaction time		interval		4.76	5.01	5.49		# of strides	10.75	10.50	0.25
wind	-0.5 m/s	velocity	8.35	10.50	9.98	9.11	9.41		9.30	9.52	

<b>Hiyoshi, Syuta (JPN)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2021 Japanese U16 National Championships (Matsuyama, JPN) (150m)			Shibayama (2021) - national high school and U20 national championships								
date	23-Oct-21	time	6.20	11.08	16.29		16.29	6 / 2			<b>50-150m</b>
reaction time		interval		4.88	5.21			# of strides	11.08		10.09
wind	-0.9 m/s	velocity	8.06	10.25	9.60		12.28	72.2	9.03		9.91

<b>Hongisto, Visa (FIN) (1987)</b>			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

**FINAL - 2008 Windsprint (Sundsvall, SWE)**(2008) - [www.ssg.se/en/Windsprint/Split-times/](http://www.ssg.se/en/Windsprint/Split-times/)

date	06-Jul-08	time	10.79	15.75	20.97	20.97	6 / 2			
reaction time		interval		4.96	5.22		# of strides	10.79	10.18	0.61
wind	2.5 m/s	velocity	9.27	10.08	9.58	9.54		9.27	9.82	

**Quarter-Final 2 - 2007 IAAF World Championships (Osaka, JPN)***Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	28-Aug-07	time	5.90	10.55	15.49	20.78	20.78	3 / 5		
reaction time	0.125	interval		4.65	4.94	5.29		# of strides	10.55	10.23
wind	-0.3 m/s	velocity	8.47	10.75	10.12	9.45	9.62	88.0	9.48	9.78

**Hoogmoed, Guus (NED) (1981)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Quarter-Final 3 - 2007 IAAF World Championships (Osaka, JPN)***Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	28-Aug-07	time	5.91	10.63	15.64	21.32	21.32	9 / 8		
reaction time	0.177	interval		4.72	5.01	5.68		# of strides	10.63	10.69
wind	0.9 m/s	velocity	8.46	10.59	9.98	8.80	9.38	91.2	9.41	9.35

**Honma, Keisuke (JPN) (1993)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2009 Japanese National High School Championships (Nara, JPN)***Matsuo (2009) - 62nd high school championships: JAF scientific committee*

date	01-Aug-09	time	6.11	10.90	15.91	21.16	21.16	4 / 3		
reaction time		interval		4.79	5.01	5.25		# of strides	10.90	10.26
wind	1.6 m/s	velocity	8.18	10.44	9.98	9.52	9.45		9.17	9.75

**Horie, Shintaro (JPN) (1990)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2011 Shizuoka International Athletics Meeting (Fukuroi, JPN)***Kyohei (2012) - run performance of 2011 world & Japanese top 200m sprinters*

date	03-May-11	time	6.07	10.82	15.74	20.94	20.96	/ 6		
reaction time		interval		4.75	4.92	5.20	PB	# of strides	10.82	10.12
wind	0.5 m/s	velocity	8.24	10.53	10.16	9.62	9.54		9.24	9.88

**Hortelano, Bruno (ESP) (1991)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2020 Bauhaus Galan (Stockholm, SWE)***Omega Timing (2020) - diamond league race analysis*

date	23-Aug-20	time	5.9	11.4			dnf	7 / --		
reaction time	0.117	interval		5.50				# of strides	11.40	
wind	3.0 m/s	velocity	8.47	9.09				37.0	8.77	

**Hotta, Shunto (JPN) (2001)****50m 100m 150m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2018 Japanese National Youth (U18) Championships (Nagano, JPN)***Ryutaru (2018) - research on athlete performance and technique*

date	21-Oct-18	time	6.17	11.13	16.41	21.82	21.82	2 / 7		
reaction time	0.155	interval		4.96	5.28	5.41		# of strides	11.13	10.69
wind	0.1 m/s	velocity	8.10	10.08	9.47	9.24	9.17	95.0	8.98	9.35

**Hudson, Andrew (JAM) (1996)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Repechage 4 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympic Games - Results Book (2024)*

date	06-Aug-24	time	5.78	10.35	15.23	20.55	20.55	7 / 2		
reaction time	0.134	interval		4.57	4.88	5.32		# of strides	10.35	10.20
wind	0.3 m/s	velocity	8.65	10.94	10.25	9.40	9.73	86.5	9.66	9.80

**Heat 2 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympic Games - Results Book (2024)*

date	05-Aug-24	time	5.75	10.33	15.16	20.53	20.53	7 / 4		
reaction time	0.142	interval		4.58	4.83	5.37		# of strides	10.33	10.20
wind	-0.1 m/s	velocity	8.70	10.92	10.35	9.31	9.74	85.7	9.68	9.80

**FINAL - 2024 Herculis Meeting International d'Athlétisme (Monaco, MON)***Omega Timing (2024) - diamond league race analysis*

date	12-Jul-24	time	5.81	10.36	15.15	20.43	20.43	8 / 4		
reaction time	0.143	interval		4.55	4.79	5.28		# of strides	10.36	10.07
wind	0.6 m/s	velocity	8.61	10.99	10.44	9.47	9.79	86.7	9.65	9.93

**FINAL - 2024 Seashore Doha Meeting (Doha, QAT)***Omega Timing (2024) - diamond league race analysis*

date	10-May-24	time	5.87	10.59	15.39	20.53	20.53	8 / 7		
reaction time	0.138	interval		4.72	4.80	5.14		# of strides	10.59	9.94
wind	1.7 m/s	velocity	8.52	10.59	10.42	9.73	9.74	85.7	9.44	10.06

**FINAL - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	25-Aug-23	time		10.46		20.40	20.40	1 / 8		
reaction time	0.147	interval				9.94		# of strides	10.46	9.94
wind	-0.2 m/s	velocity		9.56		10.06	9.80	85.5	9.56	10.06

**Semi-Final 1** - 2023 World Athletics Championships (Budapest, HUN)

date	24-Aug-23	time	10.48	20.38	20.38						<i>Seiko Timing (2023) - world championship race analysis</i>
reaction time	0.138	interval		9.90				# of strides	10.48	9.90	0.58
wind	-0.1 m/s	velocity	9.54	10.10	9.81			185.0	9.54	10.10	

**Heat 2** - 2023 World Athletics Championships (Budapest, HUN)

date	23-Aug-23	time	10.55	20.25	20.25						<i>Seiko Timing (2023) - world championship race analysis</i>
reaction time	0.141	interval		9.70				# of strides	10.55	9.70	0.85
wind	-0.1 m/s	velocity	9.48	10.31	9.88			83.5	9.48	10.31	

**FINAL** - 2022 Athletissima (Lausanne, SUI)

date	26-Aug-22	time	5.78	10.31	15.04	20.09	20.09					<i>Omega Timing (2022) - diamond league race analysis</i>
reaction time	0.135	interval		4.53	4.73	5.05			# of strides	10.31	9.78	0.53
wind	1.3 m/s	velocity	8.65	11.04	10.57	9.90	9.96		87.0	9.70	10.22	

**Hughes, Zarnel (GBR) (1995)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL** - 2023 Memorial van Damme (Brussels, BEL)

date	08-Sep-23	time	5.78	10.22	14.82	19.82	19.82					<i>Omega Timing (2023) - diamond league race analysis</i>
reaction time	0.125	interval		4.44	4.60	5.00			# of strides	10.22	9.60	0.62
wind	-0.1 m/s	velocity	8.65	11.26	10.87	10.00	10.09		87.0	9.78	10.42	

**FINAL** - 2023 Weltklasse (Zürich, SUI)

date	31-Aug-23	time	5.81	10.26	14.91	19.94	19.94					<i>Omega Timing (2023) - diamond league race analysis</i>
reaction time	0.151	interval		4.45	4.65	5.03			# of strides	10.26	9.68	0.58
wind	-0.5 m/s	velocity	8.61	11.24	10.75	9.94	10.03		86.7	9.75	10.33	

**FINAL** - 2023 World Athletics Championships (Budapest, HUN)

date	25-Aug-23	time	10.39	20.02	20.02							<i>Seiko Timing (2023) - world championship race analysis</i>
reaction time	0.142	interval		9.63					# of strides	10.39	9.63	0.76
wind	-0.2 m/s	velocity	9.62	10.38	9.99				87.0	9.62	10.38	

**Semi-Final 3** - 2023 World Athletics Championships (Budapest, HUN)

date	24-Aug-23	time	10.48	20.02	20.02							<i>Seiko Timing (2023) - world championship race analysis</i>
reaction time	0.151	interval		9.54					# of strides	10.48	9.54	0.94
wind	-0.4 m/s	velocity	9.54	10.48	9.99				187.0	9.54	10.48	

**Heat 1** - 2023 World Athletics Championships (Budapest, HUN)

date	23-Aug-23	time	10.46	19.99	19.99							<i>Seiko Timing (2023) - world championship race analysis</i>
reaction time	0.138	interval		9.53					# of strides	10.46	9.53	0.93
wind	0.0 m/s	velocity	9.56	10.49	10.01				87.5	9.56	10.49	

**FINAL** - 2023 London Athletics Meet (London, GBR)

date	23-Jul-23	time	5.76	10.20	14.75	19.73	19.73					<i>Omega Timing (2023) - diamond league race analysis</i>
reaction time	0.130	interval		4.44	4.55	4.98	<b>NR PB</b>		# of strides	10.20	9.53	0.67
wind	1.6 m/s	velocity	8.68	11.26	10.99	10.04	10.14		86.0	9.80	10.49	

**FINAL** - 2022 Commonwealth Games (Birmingham, GBR)

date	06-Aug-22	time	5.7	10.3	15.0	20.12	20.12					<i>Longines Timing (2022) - commonwealth games race analysis</i>
reaction time	0.134	interval		4.60	4.70	5.12			# of strides	10.30	9.82	0.48
wind	1.1 m/s	velocity	8.77	10.87	10.64	9.77	9.94		85.0	9.71	10.18	

**Semi-Final 2** - 2017 IAAF World Championships (London, GBR)

date	09-Aug-17	time	10.39	15.27	20.73	20.85						<i>Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m</i>
reaction time	0.118	interval		4.88	5.46				# of strides	10.39	10.34	0.05
wind	-0.3 m/s	velocity	9.62	10.25	9.16	9.59			89.0	9.62	9.67	

**Hussine, Yassine (MAR) (2004)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**National FINAL** - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)

date	05-Jun-22	time	6.38	11.46	16.76	22.34	22.34					<i>Omega Timing (2022) - diamond league race analysis</i>
reaction time	0.173	interval		5.08	5.30	5.58	<b>PB</b>		# of strides	11.46	10.88	0.58
wind	-0.6 m/s	velocity	7.84	9.84	9.43	8.96	8.95		87.3	9.19		

**Hyde, Nicklas (DEN) (1986)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**A FINAL** - 2015 Windsprint (Sundsvall, SWE)

date	26-Jul-15	time	11.17	21.66	21.66							<i>(2015) - www.windsprint/Splittider/</i>
reaction time		interval		10.49					# of strides	11.17	10.49	0.68
wind	0.4 m/s	velocity	8.95	9.53	9.23				8.95	9.53		

**B FINAL - 2008 Windsprint (Sundsvall, SWE)**(2008) - [www.ssg.se/en/Windsprint/Split-times/](http://www.ssg.se/en/Windsprint/Split-times/)

date	06-Jul-08	time	11.21	16.30	21.56	21.56	4 / 1			
reaction time		interval		5.09	5.26		# of strides	11.21	10.35	0.86
wind	3.0 m/s	velocity	8.92	9.82	9.51	9.28		8.92	9.66	

**Hzoum, Abdellah (MAR) (2002)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**National FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)** *Omega Timing (2022) - diamond league race analysis*

date	05-Jun-22	time	6.29	11.27	16.45	22.02	22.02	3 / 3		
reaction time	0.246	interval		4.98	5.18	5.57		# of strides	11.27	10.75
wind	-0.6 m/s	velocity	7.95	10.04	9.65	8.98	9.08		8.87	9.30

**Ibuka, Aisei (JPN) (1998)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2016 Japanese National High School Championships (Okayama, JPN)** *Kota (2016) - 69th high school championships: JAF scientific committee*

date	01-Aug-16	time	5.68	11.08	16.13	21.47	21.47	2 / 6		
reaction time	0.158	interval		5.40	5.05	5.34		# of strides	11.08	10.39
wind	-0.1 m/s	velocity	8.80	9.26	9.90	9.36	9.32		9.03	9.62

**FINAL - 2015 Japanese National High School Championships (Wakayama, JPN)** *nomoto (2015) - 68th high school championships: JAF scientific committee*

date	01-Aug-15	time	5.78	11.26	16.34	21.71	21.71	1 / 9		
reaction time		interval		5.48	5.08	5.37		# of strides	11.26	10.45
wind	-1.5 m/s	velocity	8.65	9.12	9.84	9.31	9.21		8.88	9.57

**Idenfors, Daniel (SWE) (1988)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**G FINAL - 2007 Windsprint (Sundsvall, SWE)** (2007) - [www.ssg.se/en/Windsprint/Split-times/](http://www.ssg.se/en/Windsprint/Split-times/)

date	24-Jul-07	time	12.11	17.71	23.73	23.73	4 / 2			
reaction time		interval		5.60	6.02		# of strides	12.11	11.62	0.49
wind	1.0 m/s	velocity	8.26	8.93	8.31	8.43		8.26	8.61	

**Iizuka, Shota (JPN) (1991)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Repechage 1 - 2024 Olympic Games (Paris, FRA)** *Paris 2024 Olympic Games - Results Book (2024)*

date	06-Aug-24	time	6.03	10.80	15.61	20.72	20.72	7 / 4		
reaction time	0.150	interval		4.77	4.81	5.11		# of strides	10.80	9.92
wind	1.0 m/s	velocity	8.29	10.48	10.40	9.78	9.65	89.0	9.26	10.08

**Heat 4 - 2024 Olympic Games (Paris, FRA)** *Paris 2024 Olympic Games - Results Book (2024)*

date	05-Aug-24	time	5.99	10.68	15.46	20.67	20.67	4 / 5		
reaction time	0.150	interval		4.69	4.78	5.21		# of strides	10.68	9.99
wind	0.2 m/s	velocity	8.35	10.66	10.46	9.60	9.68	90.0	9.36	10.01

**Semi-Final 1 - 2023 World Athletics Championships (Budapest, HUN)** *Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC*

date	24-Aug-23	time	5.92	10.64	15.44	20.54	20.54	2 / 7		
reaction time	0.148	interval		4.72	4.80	5.10		# of strides	10.64	9.90
wind	-0.1 m/s	velocity	8.45	10.59	10.42	9.80	9.74	190.0	9.40	10.10

**Heat 1 - 2023 World Athletics Championships (Budapest, HUN)** *Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC*

date	23-Aug-23	time	5.88	10.54	15.24	20.27	20.27	8 / 4		
reaction time	0.157	interval		4.66	4.70	5.03		# of strides	10.54	9.73
wind	0.0 m/s	velocity	8.50	10.73	10.64	9.94	9.87	89.0	9.49	10.28

**FINAL - 2023 Japanese National Championships (Osaka, JPN)** *Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC*

date	02-Jun-23	time	5.93	10.62	15.54	20.84	20.84	5 / 5		
reaction time	0.181	interval		4.69	4.92	5.30		# of strides	10.62	10.22
wind	-0.2 m/s	velocity	8.43	10.66	10.16	9.43	9.60	92.0	9.42	9.78

**Semi-Final 1 - 2022 World Athletics Championships (Eugene, OR)** *Timing by Seiko (2022) - world athletics championships race analysis*

date	19-Jul-22	time		10.63		20.77	20.77	2 / 7		
reaction time	0.129	interval				10.14		# of strides	10.63	10.14
wind	-0.1 m/s	velocity		9.41		9.86	9.63	91.0	9.41	9.86

**Heat 2 - 2022 World Athletics Championships (Eugene, OR)** *Timing by Seiko (2022) - world athletics championships race analysis*

date	18-Jul-22	time		10.51		20.72	20.72	4 / 3		
reaction time	0.130	interval				10.21		# of strides	10.51	10.21
wind	0.0 m/s	velocity		9.51		9.79	9.65	90.7	9.51	9.79

**FINAL - 2021 Japanese National Championships (Osaka, JPN)** *Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season*

date	27-Jun-21	time	5.91	10.61	15.59	20.93	20.93	6 / 6		
reaction time	0.177	interval		4.70	4.98	5.34		# of strides	10.61	10.32



wind	1.0 m/s	velocity	8.46	10.64	10.04	9.36	9.56	92.0	9.43	9.69	
<b>FINAL - 2021 Ready Steady Tokyo (Tokyo, JPN)</b>						<i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>					
date	09-May-21	time	5.91	10.55	15.35	20.48	20.48	5 / 1			
reaction time	0.139	interval		4.64	4.80	5.13		# of strides	10.55	9.93	0.62
wind	1.4 m/s	velocity	8.46	10.78	10.42	9.75	9.77	92.0	9.48	10.07	
<b>FINAL - 2020 Japanese National Championships (Niigata, JPN)</b>						<i>Takahashi (2020) - 200m race analysis of top japanese sprinters in 2020</i>					
date	03-Oct-20	time	5.85	10.48	15.42	20.75	20.75	6 / 1			
reaction time	0.135	interval		4.63	4.94	5.33		# of strides	10.48	10.27	0.21
wind	-0.5 m/s	velocity	8.55	10.80	10.12	9.38	9.64	94.7	9.54	9.74	
<b>FINAL - 2020 All Japan Corporate Championships (Kumagaya, JPN)</b>						<i>Takahashi (2020) - 200m race analysis of top japanese sprinters in 2020</i>					
date	20-Sep-20	time	5.95	10.59	15.39	20.47	20.47	6 / 1			
reaction time	0.171	interval		4.64	4.80	5.08		# of strides	10.59	9.88	0.71
wind	1.2 m/s	velocity	8.40	10.78	10.42	9.84	9.77	88.7	9.44	10.12	
<b>FINAL - 2020 Seiko Golden Grand Prix (Tokyo, JPN)</b>						<i>Takahashi (2020) - 200m race analysis of top japanese sprinters in 2020</i>					
date	23-Aug-20	time	5.87	10.56	15.45	20.74	20.74	6 / 1			
reaction time	0.146	interval		4.69	4.89	5.29		# of strides	10.56	10.18	0.38
wind	0.6 m/s	velocity	8.52	10.66	10.22	9.45	9.64	93.2	9.47	9.82	
<b>FINAL - 2019 Seiko Golden Grand Prix (Osaka, JPN)</b>						<i>Hirokawa (2019) - research on athlete performance and technique- 2019 data book</i>					
date	19-May-19	time	5.86	10.53	15.49	20.76	20.76	7 / 6			
reaction time	0.148	interval		4.67	4.96	5.27		# of strides	10.53	10.23	0.30
wind	-0.4 m/s	velocity	8.53	10.71	10.08	9.49	9.63	93.0	9.50	9.78	
<b>FINAL - 2018 Japanese Corporate Championships (Osaka, JPN)</b>						<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>					
date	22-Sep-18	time	5.96	10.61	15.45	20.60	20.60	8 / 1			
reaction time	0.154	interval		4.65	4.84	5.15		# of strides	10.61	9.99	0.62
wind	0.1 m/s	velocity	8.39	10.75	10.33	9.71	9.71	90.0	9.43	10.01	
<b>FINAL - 2018 Asian Games (Jakarta, INA)</b>						<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>					
date	29-Aug-18	time	5.93	10.58	15.45	20.68	20.68	6 / 6			
reaction time	0.142	interval		4.65	4.87	5.23		# of strides	10.58	10.10	0.48
wind	0.7 m/s	velocity	8.43	10.75	10.27	9.56	9.67	93.0	9.45	9.90	
<b>FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)</b>						<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>					
date	24-Jun-18	time	5.91	10.55	15.31	20.34	20.34	5 / 1			
reaction time	0.178	interval		4.64	4.76	5.03		# of strides	10.55	9.79	0.76
wind	0.8 m/s	velocity	8.46	10.78	10.50	9.94	9.83	89.7	9.48	10.21	
<b>FINAL - 2018 Seiko Golden Grand Prix (Osaka, JPN)</b>						<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>					
date	20-May-18	time	5.82	10.49	15.42	20.75	20.75	6 / 8			
reaction time	0.160	interval		4.67	4.93	5.33		# of strides	10.49	10.26	0.23
wind	0.9 m/s	velocity	8.59	10.71	10.14	9.38	9.64	93.2	9.53	9.75	
<b>Semi-Final 1 - 2017 IAAF World Championships (London, GBR)</b>						<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>					
date	09-Aug-17	time	5.85	10.47	15.35	20.62	20.62	8 / 5			
reaction time	0.164	interval		4.62	4.88	5.27		# of strides	10.47	10.15	0.32
wind	2.1 m/s	velocity	8.55	10.82	10.25	9.49	9.70	92.2	9.55	9.85	
<b>Heat 7 - 2017 IAAF World Championships (London, GBR)</b>						<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>					
date	07-Aug-17	time	5.85	10.51	15.36	20.58	20.58	3 / 4			
reaction time	0.152	interval		4.66	4.85	5.22		# of strides	10.51	10.07	0.44
wind	0.7 m/s	velocity	8.55	10.73	10.31	9.58	9.72	91.0	9.51	9.93	
<b>FINAL - 2017 Japanese National Championships (Osaka, JPN)</b>						<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>					
date	25-Jun-17	time	5.85	10.48	15.34	20.55	20.55	5 / 3			
reaction time	0.172	interval		4.63	4.86	5.21		# of strides	10.48	10.07	0.41
wind	0.3 m/s	velocity	8.55	10.80	10.29	9.60	9.73	93.0	9.54	9.93	
<b>FINAL - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)</b>						<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>					
date	21-May-17	time	5.92	10.60	15.49	21.10	21.10	4 / 5			
reaction time	0.148	interval		4.68	4.89	5.61		# of strides	10.60	10.50	0.10
wind	-2.0 m/s	velocity	8.45	10.68	10.22	8.91	9.48	95.0	9.43	9.52	

**FINAL - 2017 Shizuoka International Meeting (Fukuroi, JPN)**

date	03-May-17	time	5.91	10.59	15.43	20.50	20.50	5 / 2			
reaction time		interval		4.68	4.84	5.07		# of strides	10.59	9.91	0.68
wind	0.2 m/s	velocity	8.46	10.68	10.33	9.86	9.76	94.0	9.44	10.09	

*Takahashi (2017) - 200m running performance analysis in the 2017 season***Heat 3 - 2016 Olympic Games (Rio de Janeiro, BRA)**

date	16-Aug-16	time	5.83	10.53	15.33	20.49	20.49	3 / 4			
reaction time		interval		4.70	4.80	5.16		# of strides	10.53	9.96	0.57
wind	0.3 m/s	velocity	8.58	10.64	10.42	9.69	9.76		9.50	10.04	

*Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad***FINAL - 2016 Japanese National Championships (Nagoya, JPN)**

date	26-Jun-16	time	5.81	10.40	15.13	20.11	20.11	6 / 1			
reaction time	0.156	interval		4.59	4.73	4.98	<b>PB</b>	# of strides	10.40	9.71	0.69
wind	1.8 m/s	velocity	8.61	10.89	10.57	10.04	9.95	92.2	9.62	10.30	

*Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad***FINAL - 2016 Seiko Golden Grand Prix (Kawasaki, JPN)**

date	08-May-16	time	5.78	10.39	15.24	20.40	20.40	4 / 2			
reaction time	0.160	interval		4.61	4.85	5.16		# of strides	10.39	10.01	0.38
wind	-0.6 m/s	velocity	8.65	10.85	10.31	9.69	9.80	93.5	9.62	9.99	

*Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad***FINAL - 2016 Shizuoka International Athletics Meeting (Fukuroi, JPN)**

date	03-May-16	time	5.86	10.52	15.35	20.38	20.38	1 / 1			
reaction time		interval		4.66	4.83	5.03		# of strides	10.52	9.86	0.66
wind	1.0 m/s	velocity	8.53	10.73	10.35	9.94	9.81		9.51	10.14	

*Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad***FINAL - 2015 Seiko Golden Grand Prix (Kawasaki, JPN)**

date	10-May-15	time	5.91	10.60	15.55	20.79	20.79	7 / 5			
reaction time		interval		4.69	4.95	5.24		# of strides	10.60	10.19	0.41
wind	-0.5 m/s	velocity	8.46	10.66	10.10	9.54	9.62	94.2	9.43	9.81	

*Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015***FINAL - 2014 Shizuoka International Athletics Meeting (Fukuroi, JPN)**

date	03-May-14	time	5.88	10.48	15.23	20.39	20.39	1 / 1			
reaction time		interval		4.60	4.75	5.16		# of strides	10.48	9.91	0.57
wind	0.8 m/s	velocity	8.50	10.87	10.53	9.69	9.81		9.54	10.09	

*Koyama (2014) - research on athlete performance and technique- 2014***FINAL - 2011 Asian Championships (Kobe, JPN)**

date	10-Jul-11	time	5.96	10.81	15.85	21.10	21.10	1 / 4			
reaction time	0.148	interval		4.85	5.04	5.25		# of strides	10.81	10.29	0.52
wind	-0.4 m/s	velocity	8.39	10.31	9.92	9.52	9.48		9.25	9.72	

*Kyohei (2012) - run performance of 2011 world & Japanese top 200m sprinters***Heat 1 - 2011 Asian Championships (Kobe, JPN)**

date	09-Jul-11	time	5.96	10.70	15.66	21.04	21.04	1 / 1			
reaction time	0.137	interval		4.74	4.96	5.38		# of strides	10.70	10.34	0.36
wind	-1.3 m/s	velocity	8.39	10.55	10.08	9.29	9.51		9.35	9.67	

*Kyohei (2012) - run performance of 2011 world & Japanese top 200m sprinters***FINAL - 2011 Japanese National Championships (Kumagaya, JPN)**

date	11-Jun-11	time	5.97	10.65	15.57	20.64	20.64	1 / 4			
reaction time		interval		4.68	4.92	5.07		# of strides	10.65	9.99	0.66
wind	0.0 m/s	velocity	8.38	10.68	10.16	9.86	9.69		9.39	10.01	

*Kyohei (2012) - run performance of 2011 world & Japanese top 200m sprinters***FINAL - 2011 Shizuoka International Athletics Meeting (Fukuroi, JPN)**

date	03-May-11	time	5.98	10.73	15.65	20.70	20.70	1 / 2			
reaction time		interval		4.75	4.92	5.05		# of strides	10.73	9.97	0.76
wind	0.5 m/s	velocity	8.36	10.53	10.16	9.90	9.66		9.32	10.03	

*Kyohei (2012) - run performance of 2011 world & Japanese top 200m sprinters***FINAL - 2009 Japanese National High School Championships (Nara, JPN)**

date	01-Aug-09	time	6.29	11.23	16.21	21.44	21.44	1 / 3			
reaction time		interval		4.94	4.98	5.23		# of strides	11.23	10.21	1.02
wind	1.6 m/s	velocity	7.95	10.12	10.04	9.56	9.33		8.90	9.79	

*Matsuo (2009) - 62nd high school championships: JAF scientific committee***Ikeshita, Kowa (JPN) (2003)**

			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2021 Japanese U20 National Championships (Osaka, JPN)</b>											
date	27-Jun-21	time	5.99	10.77	15.75	21.11	21.11	4 / 1			
reaction time	0.181	interval		4.78	4.98	5.36	<b>PB</b>	# of strides	10.77	10.34	0.43
wind	-0.3 m/s	velocity	8.35	10.46	10.04	9.33	9.47	99.0	9.29	9.67	

*Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season*

<b>Imoto, Yoshinobu (JPN) (1999)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>A FINAL</b> - 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN) <i>Kobayashi (2019) - research on athlete performance technique- 2019 data book</i>											
date	03-May-19	time	5.95	10.70	15.67	20.99	20.99	5 / 4			
reaction time		interval		4.75	4.97	5.32		# of strides	10.70	10.29	0.41
wind	0.5 m/s	velocity	8.40	10.53	10.06	9.40	9.53	100.0	9.35	9.72	

<b>FINAL</b> - 2018 Japanese National Junior (U20) Championships (Nagano, JPN) <i>Ryutaro (2018) - research on athlete performance and technique</i>											
date	21-Oct-18	time	6.00	10.76	15.70	20.94	20.94	6 / 1			
reaction time	0.147	interval		4.76	4.94	5.24		# of strides	10.76	10.18	0.58
wind	0.5 m/s	velocity	8.33	10.50	10.12	9.54	9.55	99.0	9.29	9.82	

<b>FINAL</b> - 2016 Japanese National High School Championships (Okayama, JPN) <i>Kota (2016) - 69th high school championships: JAF scientific committee</i>											
date	01-Aug-16	time	5.44	10.68	15.71	21.10	21.10	4 / 3			
reaction time	0.112	interval		5.24	5.03	5.39		# of strides	10.68	10.42	0.26
wind	-0.1 m/s	velocity	9.19	9.54	9.94	9.28	9.48		9.36	9.60	

<b>Inage, Midori (JPN) (2001)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2020 Japanese U20 National Championships (Hiroshima, JPN) <i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>											
date	25-Oct-20	time	6.08	11.08	16.12	21.43	21.43	5 / 4			
reaction time	0.162	interval		5.00	5.04	5.31		# of strides	11.08	10.35	0.73
wind	1.5 m/s	velocity	8.22	10.00	9.92	9.42	9.33	93.6	9.03	9.66	

<b>Heat 1</b> - 2020 Japanese U20 National Championships (Hiroshima, JPN) <i>Kobayashi (2002) - national high school and U20 national championships</i>											
date	25-Oct-20	time	6.05	10.99	15.95	21.28	21.28	7 / 1			
reaction time	0.151	interval		4.94	4.96	5.33		# of strides	10.99	10.29	0.70
wind	1.4 m/s	velocity	8.26	10.12	10.08	9.38	9.40	93.0	9.10	9.72	

<b>Inostroza, Giovanni (SWE) (1997)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>E FINAL</b> - 2014 Windsprint (Sundsvall, SWE) <i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>											
date	20-Jul-14	time		11.84		22.84	22.84	6 / 5			
reaction time		interval			11.00			# of strides	11.84	11.00	0.84
wind	1.7 m/s	velocity		8.45		9.09	8.76		8.45	9.09	

<b>Inoue, Futoshi (JPN)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>U18 FINAL</b> - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN) <i>Inaba (2019) - research on athlete performance and technique- 2019 data book</i>											
date	20-Oct-19	time	6.18	11.14	16.24	21.71	21.71	8 / 6			
reaction time	0.174	interval		4.96	5.10	5.47		# of strides	11.14	10.57	0.57
wind	-0.5 m/s	velocity	8.09	10.08	9.80	9.14	9.21	93.0	8.98	9.46	

<b>Inoue, Kotowa (JPN)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL</b> - 2021 Japanese U16 National Championships (Matsuyama, JPN) (150m) <i>Shibayama (2021) - national high school and U20 national championships</i>										
date	23-Oct-21	time	6.25	11.26	16.56		16.56	9 / 5		<b>50-150m</b>
reaction time		interval		5.01	5.30			# of strides	11.26	10.31
wind	-0.9 m/s	velocity	8.00	9.98	9.43		12.08	71.0	8.88	9.70

<b>Inuzuka, Wataru (JPN) (1997)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2018 Japanese National Championships (Yamaguchi, JPN) <i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>											
date	24-Jun-18	time	5.96	10.65	15.54	20.74	20.74	8 / 5			
reaction time	0.209	interval		4.69	4.89	5.20		# of strides	10.65	10.09	0.56
wind	0.8 m/s	velocity	8.39	10.66	10.22	9.62	9.64	86.5	9.39	9.91	

<b>B FINAL</b> - 2018 Shizuoka International Meeting (Fukuroi, JPN) <i>Ryutaro (2018) - research on athlete performance and technique- 2018 data book</i>											
date	03-May-18	time	5.88	10.60	15.47	20.65	20.65	7 / 1			
reaction time	0.165	interval		4.72	4.87	5.18	<b>PB</b>	# of strides	10.60	10.05	0.55
wind	-0.3 m/s	velocity	8.50	10.59	10.27	9.65	9.69	86.2	9.43	9.95	

<b>FINAL</b> - 2015 Japanese National High School Championships (Wakayama, JPN) <i>nomoto (2015) - 68th high school championships: JAF scientific committee</i>											
date	01-Aug-15	time	5.48	10.74	15.79	21.25	21.25	7 / 3			
reaction time		interval		5.26	5.05	5.46		# of strides	10.74	10.51	0.23
wind	-1.5 m/s	velocity	9.12	9.51	9.90	9.16	9.41		9.31	9.51	

<b>Ito, Kaito (JPN) (2000)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2018 Japanese National High School Championships (Nagoya, JPN) <i>Yota (2018) - 71st high school championships: JAF scientific committee - biomechanics</i>											
date	05-Aug-18	time	5.74	11.13	16.21	21.52	21.52	2 / 7			
reaction time		interval		5.39	5.08	5.31		# of strides	11.13	10.39	0.74

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

wind	-1.6 m/s	velocity	8.71	9.28	9.84	9.42	9.29		8.98	9.62
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			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Izawa, Makoto (JPN) (2002)</b>											
<b>U18 FINAL</b> - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN) <i>Wada (2019) - research on athlete performance and technique- 2019 data book</i>											
date	20-Oct-19	time	5.99	10.85	15.93	21.32	21.32	5 / 1			
reaction time	0.169	interval		4.86	5.08	5.39		# of strides	10.85	10.47	0.38
wind	-0.5 m/s	velocity	8.35	10.29	9.84	9.28	9.38	98.2	9.22	9.55	
<b>Jackson, Tim (AUS) (1969)</b>											
<b>FINAL</b> - 1989 IAAF World Cup (Barcelona, ESP) <i>Pascua (1990) - atletismo (I) carreras y marcha</i>											
date	10-Sep-89	time	10.75	15.61	20.93	20.93		/ 7			
reaction time	0.292	interval		4.86	5.32			# of strides	10.75	10.18	0.57
wind	1.9 m/s	velocity		9.30	10.29	9.40	9.56		9.30	9.82	
<b>Jang Jae-Keun (KOR) (1962)</b>											
<b>FINAL</b> - 1989 IAAF World Cup (Barcelona, ESP) <i>Pascua (1990) - atletismo (I) carreras y marcha</i>											
date	10-Sep-89	time	10.87	15.91	21.25	21.25		/ 9			
reaction time	0.283	interval		5.04	5.34			# of strides	10.87	10.38	0.49
wind	1.9 m/s	velocity	9.20	9.92	9.36	9.41			9.20	9.63	
<b>Jędrusiński, Marcin (POL) (1981)</b>											
<b>Semi-Final 1</b> - 2007 IAAF World Championships (Osaka, JPN) <i>Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs</i>											
date	29-Aug-07	time	5.83	10.38	15.26	20.54	20.54	9 / 7			
reaction time	0.151	interval		4.55	4.88	5.28		# of strides	10.38	10.16	0.22
wind	-0.4 m/s	velocity	8.58	10.99	10.25	9.47	9.74	86.0	9.63	9.84	
<b>Quarter-Final 3</b> - 2007 IAAF World Championships (Osaka, JPN) <i>Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs</i>											
date	28-Aug-07	time	5.89	10.48	15.34	20.53	20.53	2 / 4			
reaction time	0.163	interval		4.59	4.86	5.19		# of strides	10.48	10.05	0.43
wind	0.9 m/s	velocity	8.49	10.89	10.29	9.63	9.74	86.2	9.54	9.95	
<b>FINAL</b> - 2007 European Cup (Munich, GER) <i>Graubner (2007) - http://www.fgs.uni-halle.de</i>											
date	24-Jun-07	time	10.54	15.38	20.53	20.53		/ 4			
reaction time	0.165	interval		4.84	5.15			# of strides	10.54	9.99	0.55
wind	1.0 m/s	velocity	9.49	10.33	9.71	9.74			9.49	10.01	
<b>FINAL</b> - 2002 European Championships (Munich, GER) <i>Graubner (2009) - http://www.fgs.uni-halle.de</i>											
date	09-Aug-02	time	5.81	10.38	15.16	20.31	20.31	/ 5			
reaction time	0.175	interval		4.57	4.78	5.15	<b>PB</b>	# of strides	10.38	9.93	0.45
wind	-0.5 m/s	velocity	8.61	10.94	10.46	9.71	9.85		9.63	10.07	
<b>Semi-Final 1</b> - 2002 European Championships (Munich, GER) <i>Graubner (2009) - http://www.fgs.uni-halle.de</i>											
date	09-Aug-02	time	5.90	10.55	15.34	20.46	20.46	/ 1			
reaction time	0.160	interval		4.65	4.79	5.12		# of strides	10.55	9.91	0.64
wind	-0.5 m/s	velocity	8.47	10.75	10.44	9.77	9.78		9.48	10.09	
<b>Quarter-Final 3</b> - 2002 European Championships (Munich, GER) <i>Graubner (2009) - http://www.fgs.uni-halle.de</i>											
date	08-Aug-02	time	5.88	10.40	15.22	20.37	20.37	/ 1			
reaction time	0.158	interval		4.52	4.82	5.15	<b>PB</b>	# of strides	10.40	9.97	0.43
wind	-0.3 m/s	velocity	8.50	11.06	10.37	9.71	9.82		9.62	10.03	
<b>Heat 4</b> - 2002 European Championships (Munich, GER) <i>Graubner (2009) - http://www.fgs.uni-halle.de</i>											
date	08-Aug-02	time	10.42	15.28	20.57	20.57		/ 2			
reaction time	0.137	interval		4.86	5.29			# of strides	10.42	10.15	0.27
wind	0.8 m/s	velocity	9.60	10.29	9.45	9.72			9.60	9.85	
<b>Jefferson, Thomas (USA) (1962)</b>											
<b>FINAL</b> - 1984 Olympic Games (Los Angeles, CA) <i>Vogel (1984) - olympische spiele in los angeles</i>											
date	08-Aug-84	time	10.43			20.26	20.26	4 / 3			
reaction time	0.180	interval				9.83	<b>PB</b>	# of strides	10.43	9.83	0.60
wind	-0.9 m/s	velocity	9.59			10.17	9.87		9.59	10.17	
<b>FINAL</b> - 1984 USA Olympic Trials (Los Angeles, CA) <i>Hymans (2008) - history of the US olympic trials - track and field</i>											
date	21-Jun-84	time	10.48			20.37	20.37	3 / 3			
reaction time		interval				9.89	<b>=PB</b>	# of strides	10.48	9.89	0.59
wind	-0.2 m/s	velocity	9.54			10.11	9.82		9.54	10.11	

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

**Semi-Final 2 - 1984 USA Olympic Trials (Los Angeles, CA)**

date	21-Jun-84	time	10.61	20.64	20.64
reaction time		interval		10.03	
wind	-0.6 m/s	velocity	9.43	9.97	9.69

*Hymans (2020) - history of the US olympic trials - track and field*

	/ 4		
# of strides	10.61	10.03	0.58
	9.43	9.97	

**Jellinghaus, Martin (FRG) (1944)**

<b>FINAL - 1972 Olympic Games (Munich, FRG)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>
date	04-Sep-72	time	10.84	15.60	20.65
reaction time		interval		4.76	5.05
wind	0.0 m/s	velocity	9.23	10.50	9.90

*Gundlach (1973) - beobachtungsergebnisse in der leichtathletik*

	4 / 7		
# of strides	10.84	9.81	1.03
	9.23	10.19	

**Jirka, Jan (CZE) (1993)**

<b>Heat 7 - 2022 World Athletics Championships (Eugene, OR)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>
date	18-Jul-22	time	10.76	20.73	20.73
reaction time	0.132	interval		9.97	
wind	-0.3 m/s	velocity	9.29	10.03	9.65

*Timing by Seiko (2022) - world athletics championships race analysis*

	4 / 7		
# of strides	10.76	9.97	0.79
	9.29	10.03	

**FINAL - 2013 Czech Republic National Championships (Tábor, CZE)**

date	16-Jun-13	time	6.17	10.97	16.01	21.26	21.26
reaction time	0.198	interval		4.80	5.04	5.25	
wind	-0.9 m/s	velocity	8.10	10.42	9.92	9.52	9.41

*Feher (2013) - Final report men's & women's Czech Republic national champs*

	4 / 3		
# of strides	10.97	10.29	0.68
	9.12	9.72	

**Heat 2 - 2013 Czech Republic National Championships (Tábor, CZE)**

date	16-Jun-13	time	6.19	10.93	16.00	21.27	21.27
reaction time	0.200	interval		4.74	5.07	5.27	
wind	0.8 m/s	velocity	8.08	10.55	9.86	9.49	9.40

*Feher (2013) - Final report men's & women's Czech Republic national champs*

	4 / 1		
# of strides	10.93	10.34	0.59
	9.15	9.67	

**Jobodwana, Anaso (RSA) (1992)**

<b>FINAL - 2019 Seiko Golden Grand Prix (Osaka, JPN)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>
date	19-May-19	time	5.82	10.45	15.35
reaction time	0.125	interval		4.63	4.90
wind	-0.4 m/s	velocity	8.59	10.80	10.20

*Hirokawa (2019) - research on athlete performance and technique- 2019 data book*

	5 / 4		
# of strides	10.45	10.24	0.21
	9.57	9.77	

**FINAL - 2015 IAAF World Championships (Beijing, CHN)**

date	27-Aug-15	time	5.82	10.31	14.92	19.87	19.87
reaction time	0.154	interval		4.49	4.61	4.95	
wind	-0.1 m/s	velocity	8.59	11.14	10.85	10.10	10.07

*Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

	7 / 3		
# of strides	10.31	9.56	0.75
	9.70	10.46	

**Semi-Final 3 - 2015 IAAF World Championships (Beijing, CHN)**

date	26-Aug-15	time	5.85	10.41	15.04	20.01	20.01
reaction time	0.165	interval		4.56	4.63	4.97	
wind	0.8 m/s	velocity	8.55	10.96	10.80	10.06	10.00

*Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

	6 / 2		
# of strides	10.41	9.60	0.81
	9.61	10.42	

**Heat 7 - 2015 IAAF World Championships (Beijing, CHN)**

date	25-Aug-15	time	5.80	10.35	15.09	20.22	20.22
reaction time	0.142	interval		4.55	4.74	5.13	
wind	-0.4 m/s	velocity	8.62	10.99	10.55	9.75	9.89

*Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

	5 / 1		
# of strides	10.35	9.87	0.48
	9.66	10.13	

**FINAL - 2012 Olympic Games (London, GBR)**

date	09-Aug-12	time	10.77	20.69	20.69
reaction time	0.216	interval		9.92	
wind	0.4 m/s	velocity	9.29	10.08	9.67

*Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016*

	9 / 8		
# of strides	10.77	9.92	0.85
	9.29	10.08	

**Johanse, Mathias Hove (NOR) (1998)**

<b>FINAL - 2021 Bislett Games (Oslo, NOR)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>
date	01-Jul-21	time	6.0	10.8	15.8
reaction time	0.129	interval		4.80	5.00
wind	-1.0 m/s	velocity	8.33	10.42	10.00

*Omega Timing (2021) - diamond league race analysis*

	1 / 8		
# of strides	10.80	10.56	0.24
	9.26	9.47	

**Johnson, Chris (USA) (1982)**

<b>FINAL - 2007 Windsprint (Sundsvall, SWE)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>
date	24-Jul-07	time	10.85	15.81	21.11
reaction time		interval		4.96	5.30
wind	0.3 m/s	velocity	9.22	10.08	9.43

*(2007) - www.ssg.se/en/Windsprint/Split-times/*

	3 / 2		
# of strides	10.85	10.26	0.59
	9.22	9.75	

**Johnson, Jody (USA) (1985)**

<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>

**0-100m 100-200m Differential**

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

**Quarter-Final 1 - 2008 USA Olympic Trials (Eugene, OR)**

USATF Women's Sprint Development with HPC (2008)

date	05-Jul-08	time	6.12	10.97	15.96	21.30	21.30	8 / 4			
reaction time		interval		4.85	4.99	5.34		# of strides	10.97	10.33	0.64
wind	-0.5 m/s	velocity	8.17	10.31	10.02	9.36	9.39		9.12	9.68	

**Heat 1 - 2008 USA Olympic Trials (Eugene, OR)**

USATF Women's Sprint Development with HPC (2008)

date	04-Jul-08	time	6.02	10.81	15.76	21.10	21.10	4 / 5			
reaction time		interval		4.79	4.95	5.34		# of strides	10.81	10.29	0.52
wind	1.0 m/s	velocity	8.31	10.44	10.10	9.36	9.48		9.25	9.72	

**Johnson, Joshua J. (USA) (1976)****50m 100m 150m 200m Official Time Lane / Place****0-100m 100-200m Differential****FINAL - 2007 IAAF World Athletic Final (Stuttgart, GER)**Graubner (2007) - <http://www.fgs.uni-halle.de>

date	23-Sep-07	time	6.17	10.73	15.43	20.48	20.48	8 / 6			
reaction time	0.161	interval		4.56	4.70	5.05		# of strides	10.73	9.75	0.98
wind	1.3 m/s	velocity	8.10	10.96	10.64	9.90	9.77		9.32	10.26	

**FINAL - 2005 USATF National Championships (Carson, CA)**

USATF Women's Sprint Development (2005)

date	26-Jun-05	time	5.99	10.58	15.47	20.70	20.70	2 / 8			
reaction time		interval		4.59	4.89	5.23		# of strides	10.58	10.12	0.46
wind	-0.9 m/s	velocity	8.35	10.89	10.22	9.56	9.66	91.0	9.45	9.88	

**FINAL - 2004 USA Olympic Trials (Sacramento, CA)**

USATF Women's Sprint Development (2004)

date	18-Jul-04	time	5.94	10.59	15.34	20.58	20.58	3 / 5			
reaction time		interval		4.65	4.75	5.24		# of strides	10.59	9.99	0.60
wind	-0.7 m/s	velocity	8.42	10.75	10.53	9.54	9.72		9.44	10.01	

**Semi-Final 1 - 2004 USA Olympic Trials (Sacramento, CA)**

USATF Women's Sprint Development (2004)

date	17-Jul-04	time	5.97	10.58	15.30	20.45	20.45	3 / 2			
reaction time		interval		4.61	4.72	5.15		# of strides	10.58	9.87	0.71
wind	-0.7 m/s	velocity	8.38	10.85	10.59	9.71	9.78		9.45	10.13	

**FINAL - 2003 USATF National Championships (Carson, CA)**

USATF Women's Sprint Development (2003)

date	22-Jun-03	time	6.06	10.71	15.26	20.22	20.22	6 / 3			
reaction time		interval		4.65	4.55	4.96		# of strides	10.71	9.51	1.20
wind	0.1 m/s	velocity	8.25	10.75	10.99	10.08	9.89		9.34	10.52	

**Johnson, Michael (USA) (1967)****50m 100m 150m 200m Official Time Lane / Place****0-100m 100-200m Differential****FINAL - 1996 Olympic Games (Atlanta, GA)**

Veney - split times from PJ

date	01-Aug-96	time	5.79	10.14	14.62	19.32	19.32	3 / 1			
reaction time	0.161	interval		4.35	4.48	4.70	<b>WR</b>	# of strides	10.14	9.18	0.96
wind	0.4 m/s	velocity	8.64	11.49	11.16	10.64	10.35	90.1	9.86	10.89	

**FINAL - 1996 USA Olympic Trials (Atlanta, GA)**

USATF Women's Sprint Development (1996)

date	23-Jun-96	time	10.48	15.04	19.66	19.66	19.66	5 / 1			
reaction time		interval		4.56	4.62	<b>WR</b>		# of strides	10.48	9.18	1.30
wind	1.7 m/s	velocity	9.54	10.96	10.82	10.17	10.17	90.9	9.54	10.89	

**Semi-Final 1 - 1996 USA Olympic Trials (Atlanta, GA)**

USATF Women's Sprint Development (1996)

date	23-Jun-96	time	10.21	14.74	19.70	19.70	19.70	3 / 1			
reaction time		interval		4.53	4.96			# of strides	10.21	9.49	0.72
wind	2.7 m/s	velocity	9.79	11.04	10.08	10.15	10.15		9.79	10.54	

**Quarter-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)**

Hymans (2020) - history of the US olympic trials - track and field

date	22-Jun-96	time	10.31		20.23	20.23	20.23	/ 1			
reaction time		interval			9.92			# of strides	10.31	9.92	0.39
wind	0.0 m/s	velocity	9.70		10.08	9.89	9.89		9.70	10.08	

**Heat 3 - 1996 USA Olympic Trials (Atlanta, GA)**

Hymans (2020) - history of the US olympic trials - track and field

date	21-Jun-96	time	10.19		20.61	20.61	20.61	/ 1			
reaction time		interval			10.42			# of strides	10.19	10.42	-0.23
wind	0.9 m/s	velocity	9.81		9.60	9.70	9.70		9.81	9.60	

**FINAL - 1995 IAAF World Championships (Göteborg, SWE)**

Vazel (2011) - speed reserve in the 400m

date	11-Aug-95	time	10.35		19.79	19.79	19.79	4 / 1			
reaction time		interval			9.44	<b>CR PB</b>		# of strides	10.35	9.44	0.91
wind	0.5 m/s	velocity	9.66		10.59	10.11	10.11	92.0	9.66	10.59	

<b>FINAL - 1994 DLV Leichtathletik-Gala (Duisburg, GER)</b>										<i>Graubner (2008) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>	
date	12-Jun-94	time	5.97	10.54	15.20	20.08	20.08	/ 1			
reaction time		interval		4.57	4.66	4.88		# of strides	10.54	9.54	1.00
wind	2.8 m/s	velocity	8.38	10.94	10.73	10.25	9.96		9.49	10.48	

<b>FINAL - 1991 IAAF World Championships (Tokyo, JPN)</b>										<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>	
date	27-Aug-91	time		10.21		20.01	20.01	3 / 1			
reaction time		interval				9.80	<b>CR</b>	# of strides	10.21	9.80	0.41
wind	-3.4 m/s	velocity	9.79			10.20	10.00	93.0	9.79	10.20	

<b>Johnson, Patrick (AUS) (1972)</b>											
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Semi-Final 2 - 2007 IAAF World Championships (Osaka, JPN)</b>										<i>Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs</i>	
date	29-Aug-07	time	5.86	10.47	15.41	20.73	20.73	2 / 8			
reaction time	0.151	interval		4.61	4.94	5.32		# of strides	10.47	10.26	0.21
wind	-0.4 m/s	velocity	8.53	10.85	10.12	9.40	9.65	89.0	9.55	9.75	

<b>Quarter-Final 4 - 2007 IAAF World Championships (Osaka, JPN)</b>										<i>Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs</i>	
date	28-Aug-07	time	5.88	10.38	15.30	20.62	20.62	6 / 4			
reaction time	0.148	interval		4.50	4.92	5.32		# of strides	10.38	10.24	0.14
wind	0.6 m/s	velocity	8.50	11.11	10.16	9.40	9.70	88.5	9.63	9.77	

<b>Johnsson, Per (SWE) (1988)</b>											
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>F FINAL - 2007 Windsprint (Sundsvall, SWE)</b>										<i>(2007) - <a href="http://www.ssg.se/en/Windsprint/Split-times/">www.ssg.se/en/Windsprint/Split-times/</a></i>	
date	24-Jul-07	time	11.72	17.27	23.19	23.19	23.19	2 / 2			
reaction time		interval		5.55	5.92			# of strides	11.72	11.47	0.25
wind	0.5 m/s	velocity	8.53	9.01	8.45	8.62			8.53	8.72	

<b>Kaalund, Garrett (USA) (2004)</b>											
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heat 1 - 2024 USA Olympic Trials (Eugene, OR)</b>										<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>	
date	27-Jun-24	time	5.90	10.67	15.24	20.28	20.28	9 / 2			
reaction time		interval		4.77	4.57	5.04		# of strides	10.67	9.61	1.06
wind	0.3 m/s	velocity	8.47	10.48	10.94	9.92	9.86		9.37	10.41	

<b>Kaji, Masanori (JPN) (1991)</b>											
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2008 Japanese National High School Championships (Kumagaya, JPN)</b>										<i>Abe (2008) - 61st high school championships: JAF scientific committee</i>	
date	01-Aug-08	time	6.03	10.93	16.08	21.52	21.52	1 / 2			
reaction time		interval		4.90	5.15	5.44		# of strides	10.93	10.59	0.34
wind	-1.3 m/s	velocity	8.29	10.20	9.71	9.19	9.29		9.15	9.44	

<b>FINAL - 2007 Japanese National High School Championships (Saga, JPN)</b>										<i>Hitorara (2007) - 60th high school championships: JAF scientific committee</i>	
date	04-Aug-07	time	6.00	11.02	16.44	22.11	22.11	4 / 3			
reaction time		interval		5.02	5.42	5.67		# of strides	11.02	11.09	-0.07
wind	-4.3 m/s	velocity	8.33	9.96	9.23	8.82	9.05		9.07	9.02	

<b>Kamau, Leroy (PNG) (1999)</b>											
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heat 2 - 2023 World Athletics Championships (Budapest, HUN)</b>										<i>Seiko Timing (2023) - world championship race analysis</i>	
date	23-Aug-23	time		10.91		21.18	21.18	6 / 8			
reaction time	0.189	interval				10.27		# of strides	10.91	10.27	0.64
wind	-0.1 m/s	velocity		9.17		9.74	9.44	98.0	9.17	9.74	

<b>Kamiyama, Tomoya (JPN) (1988)</b>											
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Quarter-Final 2 - 2007 IAAF World Championships (Osaka, JPN)</b>										<i>Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs</i>	
date	28-Aug-07	time	6.08	10.70	15.61	20.89	20.89	8 / 6			
reaction time	0.158	interval		4.62	4.91	5.28		# of strides	10.70	10.19	0.51
wind	-0.3 m/s	velocity	8.22	10.82	10.18	9.47	9.57	92.5	9.35	9.81	

<b>Kanamori, Kazuki (JPN) (1994)</b>											
			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2012 Japanese National High School Championships (Niigata, JPN)</b>										<i>Yasunori (2012) - 65th high school championships: JAF scientific committee</i>	
date	01-Aug-12	time	6.12	10.95	16.00	21.39	21.39	9 / 6			
reaction time		interval		4.83	5.05	5.39		# of strides	10.95	10.44	0.51
wind	-0.5 m/s	velocity	8.17	10.35	9.90	9.28	9.35		9.13	9.58	

<b>FINAL - 2011 Japanese National High School Championships (Kitakami, JPN)</b>										<i>Abe (2011) - 64th high school championships: JAF scientific committee</i>	
date	06-Aug-11	time	6.23	11.25	16.22	21.54	21.54	1 / 7			
reaction time		interval		5.02	4.97	5.32		# of strides	11.25	10.29	0.96
wind	-0.4 m/s	velocity	8.03	9.96	10.06	9.40	9.29		8.89	9.72	

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

<b>Kaneda, Riki (JPN) (2000)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2018 Japanese National Junior (U20) Championships (Nagano, JPN)							<i>Ryutaro (2018) - research on athlete performance and technique</i>				
date	21-Oct-18	time	6.09	10.93	15.90	21.20	21.20	2 / 3			
reaction time	0.158	interval		4.84	4.97	5.30		# of strides	10.93	10.27	0.66
wind	0.5 m/s	velocity	8.21	10.33	10.06	9.43	9.43	88.5	9.15	9.74	

<b>Karlsson, Alexander (NOR) (1987)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>C FINAL</b> - 2012 Windsprint (Sundsvall, SWE)							<i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>				
date	17-Jun-12	time		11.28		22.31	22.31	/ 3			
reaction time		interval				11.03		# of strides	11.28	11.03	0.25
wind	0.9 m/s	velocity		8.87		4.48	8.96		8.87	9.07	

<b>Karlsson, Erik (SWE) (1987)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>C FINAL</b> - 2007 Windsprint (Sundsvall, SWE)							<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>				
date	24-Jul-07	time	11.22	16.53	22.35	22.35	2 / 4				
reaction time		interval		5.31	5.82			# of strides	11.22	11.13	0.09
wind	0.6 m/s	velocity	8.91	9.42	8.59	8.95			8.91	8.98	

<b>Kåstad, Martin (NOR) (1990)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>B FINAL</b> - 2015 Windsprint (Sundsvall, SWE)							<i>(2015) - www.windsprint/Splittider/</i>				
date	26-Jul-15	time	11.48		22.35	22.35	3 / 4				
reaction time		interval			10.87			# of strides	11.48	10.87	0.61
wind	0.4 m/s	velocity	8.71		9.20	8.95			8.71	9.20	

<b>Kato, Shinnosuke (JPN) (2002)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>U18 FINAL</b> - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)							<i>Yuma (2019) - research on athlete performance and technique- 2019 data book</i>				
date	20-Oct-19	time	6.07	10.93	16.04	21.49	21.49	4 / 3			
reaction time	0.151	interval		4.86	5.11	5.45		# of strides	10.93	10.56	0.37
wind	-0.5 m/s	velocity	8.24	10.29	9.78	9.17	9.31	97.2	9.15	9.47	

<b>Katsuse, Kendai (JPN) (1997)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2015 Japanese National High School Championships (Wakayama, JPN)							<i>Yomoto (2015) - 68th high school championships: JAF scientific committee</i>				
date	01-Aug-15	time	5.59	10.99	16.13	21.57	21.57	2 / 7			
reaction time		interval		5.40	5.14	5.44		# of strides	10.99	10.58	0.41
wind	-1.5 m/s	velocity	8.94	9.26	9.73	9.19	9.27		9.10	9.45	

<b>Kawabe, Jun-ya (JPN) (1996)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2014 Japanese National High School Championships (Kofu, JPN)							<i>Yanagiya (2014) - research on athlete performance and technique- 2014</i>				
date	02-Aug-14	time	5.67	11.04	16.09	21.58	21.58	2 / 8			
reaction time		interval		5.37	5.05	5.49		# of strides	11.04	10.54	0.50
wind	-1.6 m/s	velocity	8.82	9.31	9.90	9.11	9.27		9.06	9.49	

<b>Kawase, Takanori (JPN) (1994)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)							<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>				
date	21-May-17	time	5.94	10.67	15.65	21.37	21.37	1 / 7			
reaction time	0.152	interval		4.73	4.98	5.72		# of strides	10.67	10.70	-0.03
wind	-2.0 m/s	velocity	8.42	10.57	10.04	8.74	9.36	98.0	9.37	9.35	

<b>FINAL</b> - 2016 Japanese National Championships (Nagoya, JPN)							<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>				
date	26-Jun-16	time	5.97	10.74	15.59	20.65	20.65	3 / 4			
reaction time	0.140	interval		4.77	4.85	5.06	<b>PB</b>	# of strides	10.74	9.91	0.83
wind	1.8 m/s	velocity	8.38	10.48	10.31	9.88	9.69	94.2	9.31	10.09	

<b>Kedéris, Konstadínos (GRE) (1973)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2002 European Championships (Munich, GER)							<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>				
date	09-Aug-02	time	5.75	10.29	14.93	19.85	19.85	/ 1			
reaction time	0.132	interval		4.54	4.64	4.92	<b>CR / NR</b>	# of strides	10.29	9.56	0.73
wind	-0.5 m/s	velocity	8.70	11.01	10.78	10.16	10.08		9.72	10.46	

<b>Semi-Final 2</b> - 2002 European Championships (Munich, GER)							<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>				
date	09-Aug-02	time	5.79	10.37	15.09	20.18	20.18	/ 1			
reaction time	0.124	interval		4.58	4.72	5.09		# of strides	10.37	9.81	0.56
wind	0.2 m/s	velocity	8.64	10.92	10.59	9.82	9.91		9.64	10.19	

<b>Quarter-Final 2</b> - 2002 European Championships (Munich, GER)							<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>			
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date	08-Aug-02	time	5.82	10.43	15.16	20.29	20.29	/ 1			
reaction time	0.165	interval		4.61	4.73	5.13		# of strides	10.43	9.86	0.57
wind	-0.8 m/s	velocity	8.59	10.85	10.57	9.75	9.86		9.59	10.14	

**Heat 5 - 2002 European Championships (Munich, GER)***Graubner (2009) - http://www.fgs.uni-halle.de*

date	08-Aug-02	time	10.37	15.17	20.55	20.55	/ 1			
reaction time	0.177	interval		4.80	5.38		# of strides	10.37	10.18	0.19
wind	0.1 m/s	velocity	9.64	10.42	9.29	9.73		9.64	9.82	

**FINAL - 2001 IAAF World Championships (Edmonton, CAN)***Butler (2013) - IAAF world championships statistics handbook- moscow 2013*

date	09-Aug-01	time	10.3		20.0	20.04	4 / 1			
reaction time	0.163	interval			9.74		# of strides	10.30	9.74	0.56
wind	0.2 m/s	velocity	9.71		10.27	9.98	86.7	9.71	10.27	

**FINAL - 2001 European Cup (Bremen GER)***Graubner (2007) - http://www.fgs.uni-halle.de*

date	24-Jun-01	time	5.93	10.57	15.27	20.31	20.31	/ 1			
reaction time	0.157	interval		4.64	4.70	5.04		# of strides	10.57	9.74	0.83
wind	-0.7 m/s	velocity	8.43	10.78	10.64	9.92	9.85		9.46	10.27	

**Kemp, Demek (USA) (1996)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2020 Doha Diamond League (Doha, QAT)***Omega Timing (2020) - diamond league race analysis*

date	25-Sep-20	time	6.0	11.0	16.2	21.87	21.87	1 / 8			
reaction time	0.134	interval		5.00	5.20	5.67		# of strides	11.00	10.87	0.13
wind	0.9 m/s	velocity	8.33	10.00	9.62	8.82	9.14	93.0	9.09	9.20	

**Kent, Jordan (USA) (1984)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)***USATF Women's Sprint Development (2003)*

date	21-Jun-03	time	6.19		16.16	21.55	21.55	2 / 5		
reaction time		interval			9.97	5.39		# of strides		
wind	-1.8 m/s	velocity	8.08		10.03	9.28	9.28			

**Kerley, Fred (USA) (1995)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2024 Memorial van damme (Brussels, BEL)***Omega Timing (2024) - diamond league race analysis*

date	14-Sep-24	time	5.94	10.57	15.31	20.21	20.21	5 / 5			
reaction time	0.146	interval		4.63	4.74	4.90		# of strides	10.57	9.64	0.93
wind	0.7 m/s	velocity	8.42	10.80	10.55	10.20	9.90	84.2	9.46	10.37	

**FINAL - 2024 Weltklasse (Zürich, SUI)***Omega Timing (2024) - diamond league race analysis*

date	05-Sep-24	time	5.86	10.36	14.97	19.81	19.81	4 / 4			
reaction time	0.162	interval		4.50	4.61	4.84		# of strides	10.36	9.45	0.91
wind	0.4 m/s	velocity	8.53	11.11	10.85	10.33	10.10	84.7	9.65	10.58	

**FINAL - 2024 Athletissima (Lausanne, SUI)***Omega Timing (2024) - diamond league race analysis*

date	22-Aug-24	time	5.82	10.42	15.01	19.86	19.86	8 / 3			
reaction time	0.157	interval		4.60	4.59	4.85		# of strides	10.42	9.44	0.98
wind	0.9 m/s	velocity	8.59	10.87	10.89	10.31	10.07	85.2	9.60	10.59	

**Semi-Final 1 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	19-Jul-22	time	10.62		20.68	20.68	6 / 6			
reaction time	0.123	interval			10.06		# of strides	10.62	10.06	0.56
wind	-0.1 m/s	velocity	9.42		9.94	9.67	83.0	9.42	9.94	

**Heat 5 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	18-Jul-22	time	10.63		20.17	20.17	4 / 1			
reaction time	0.137	interval			9.54		# of strides	10.63	9.54	1.09
wind	0.4 m/s	velocity	9.41		10.48	9.92	83.0	9.41	10.48	

**FINAL - 2022 Doha Diamond League (Doha, QAT)***Omega Timing (2022) - diamond league race analysis*

date	13-May-22	time	5.8	10.3	15.0	19.75	19.75	5 / 2			
reaction time	0.151	interval		4.50	4.70	4.75		# of strides	10.30	9.45	0.85
wind	2.1 m/s	velocity	8.62	11.11	10.64	10.53	10.13	85.0	9.71	10.58	

**FINAL - 2021 Weltklasse (Zürich, SUI)***Omega Timing (2021) - diamond league race analysis*

date	09-Sep-21	time	5.8	10.4	15.1	19.83	19.83	5 / 3			
reaction time	0.137	interval		4.60	4.70	4.73		# of strides	10.40	9.43	0.97
wind	0.5 m/s	velocity	8.62	10.87	10.64	10.57	10.09	85.0	9.62	10.60	

**FINAL - 2021 Athletissima (Lausanne, SUI)** *Omega Timing (2021) - diamond league race analysis*  
 date 26-Aug-21 time 5.8 10.3 15.0 19.77 19.77 5 / 2  
 reaction time 0.146 interval 4.50 4.70 4.77 # of strides 10.30 9.47 0.83  
 wind 3.2 m/s velocity 8.62 11.11 10.64 10.48 10.12 85.2 9.71 10.56

**Kerr, Ian (BAH) (1996)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
**Repechage 4 - 2024 Olympic Games (Paris, FRA)** *Paris 2024 Olympic Games - Results Book (2024)*

date 06-Aug-24 time 5.97 10.54 15.40 20.60 20.60 8 / 3  
 reaction time 0.162 interval 4.57 4.86 5.20 # of strides 10.54 10.06 0.48  
 wind 0.3 m/s velocity 8.38 10.94 10.29 9.62 9.71 89.7 9.49 9.94

**Heat 5 - 2024 Olympic Games (Paris, FRA)** *Paris 2024 Olympic Games - Results Book (2024)*  
 date 05-Aug-24 time 5.92 10.50 15.31 20.53 20.53 9 / 5  
 reaction time 0.162 interval 4.58 4.81 5.22 # of strides 10.50 10.03 0.47  
 wind 0.2 m/s velocity 8.45 10.92 10.40 9.58 9.74 89.7 9.52 9.97

**FINAL - 2024 Prefontaine Classic (Eugene, OR)** *Omega Timing (2024) - diamond league race analysis*  
 date 25-May-24 time 6.01 10.74 15.66 20.87 20.87 2 / 9  
 reaction time 0.176 interval 4.73 4.92 5.21 # of strides 10.74 10.13 0.61  
 wind 1.8 m/s velocity 8.32 10.57 10.16 9.60 9.58 91.0 9.31 9.87

**Kerr, Stanley (USA) (1967)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
**FINAL - 1986 IAAF World Junior Championships (Athens, GRE)** *Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints*

date 19-Jul-86 time 10.72 15.72 20.74 20.74 / 1  
 reaction time interval 5.00 5.02 **CR** # of strides 10.72 10.02 0.70  
 wind 0.2 m/s velocity 9.33 10.00 9.96 9.64 9.33 9.98

**Kilty, Richard (GBR) (1989)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
**FINAL - 2020 Memorial Van Damme (Brussels, BEL)** *Omega Timing (2020) - diamond league race analysis*

date 04-Sep-20 time 6.0 10.7 15.8 21.27 21.27 7 / 6  
 reaction time 0.129 interval 4.70 5.10 5.47 # of strides 10.70 10.57 0.13  
 wind 0.1 m/s velocity 8.33 10.64 9.80 9.14 9.40 98.0 9.35 9.46

**FINAL - 2020 Bauhaus Galan (Stockholm, SWE)** *Omega Timing (2020) - diamond league race analysis*  
 date 23-Aug-20 time 6.0 10.8 15.7 20.87 20.87 1 / 6  
 reaction time 0.129 interval 4.80 4.90 5.17 # of strides 10.80 10.07 0.73  
 wind 3.0 m/s velocity 8.33 10.42 10.20 9.67 9.58 97.0 9.26 9.93

**FINAL - 2019 The Match - Europe v USA (Minsk, BLR)** *European Athletics (2019) - race analysis*  
 date 10-Sep-19 time 10.70 21.04 21.04 9 / 6  
 reaction time 0.129 interval 10.34 # of strides 10.70 10.34 0.36  
 wind -0.1 m/s velocity 9.35 9.67 9.51 99.7 9.35 9.67

**Kim Kuk-Young (KOR) (1991)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
**FINAL - 2018 Asian Games (Jakarta, INA)** *Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018*

date 29-Aug-18 time 5.87 10.47 15.28 20.59 20.59 8 / 4  
 reaction time 0.129 interval 4.60 4.81 5.31 # of strides 10.47 10.12 0.35  
 wind 0.7 m/s velocity 8.52 10.87 10.40 9.42 9.71 93.2 9.55 9.88

**Kimura, Futa (JPN) (2001)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
**U20 FINAL - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)** *Kimura (2019) - research on athlete performance and technique- 2019 data book*

date 20-Oct-19 time 6.02 10.82 15.93 21.47 21.47 5 / 4  
 reaction time 0.143 interval 4.80 5.11 5.54 # of strides 10.82 10.65 0.17  
 wind -1.2 m/s velocity 8.31 10.42 9.78 9.03 9.32 97.2 9.24 9.39

**FINAL - 2018 Japanese National Youth (U18) Championships (Nagano, JPN)** *Ryutaro (2018) - research on athlete performance and technique*  
 date 21-Oct-18 time 6.04 10.83 15.91 21.25 21.25 4 / 2  
 reaction time 0.156 interval 4.79 5.08 5.34 # of strides 10.83 10.42 0.41  
 wind 0.1 m/s velocity 8.28 10.44 9.84 9.36 9.41 97.2 9.23 9.60

**Kimura, Jun (JPN) (1991)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**  
**FINAL - 2009 Japanese National High School Championships (Nara, JPN)** *Matsuo (2009) - 62nd high school championships: JAF scientific committee*

date 01-Aug-09 time 6.09 10.95 15.89 21.07 21.07 5 / 2  
 reaction time interval 4.86 4.94 5.18 # of strides 10.95 10.12 0.83  
 wind 1.6 m/s velocity 8.21 10.29 10.12 9.65 9.49 9.13 9.88

<b>Kimura, Kazushi (JPN) (1993)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2018 Japanese Corporate Championships (Osaka, JPN)						<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>					
date	22-Sep-18	time	6.12	10.92	15.85	21.09	21.09	4 / 5			
reaction time	0.184	interval		4.80	4.93	5.24		# of strides	10.92	10.17	0.75
wind	0.1 m/s	velocity	8.17	10.42	10.14	9.54	9.48	93.5	9.16	9.83	

<b>Kimura, Ryo (JPN) (2001)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2020 Japanese U20 National Championships (Hiroshima, JPN)						<i>Takahashi (2020) - 200m race analysis of top japanese sprinters in 2020</i>					
date	25-Oct-20	time	6.09	10.99	16.00	21.24	21.24	3 / 2			
reaction time	0.168	interval		4.90	5.01	5.24		# of strides	10.99	10.25	0.74
wind	1.5 m/s	velocity	8.21	10.20	9.98	9.54	9.42	98.1	9.10	9.76	

<b>Heat 2</b> - 2020 Japanese U20 National Championships (Hiroshima, JPN)						<i>Kobayashi (2002) - national high school and U20 national championships</i>					
date	25-Oct-20	time	6.05	10.89	15.86	21.32	21.32	5 / 1			
reaction time	0.179	interval		4.84	4.97	5.46		# of strides	10.89	10.43	0.46
wind	1.9 m/s	velocity	8.26	10.33	10.06	9.16	9.38	98.5	9.18	9.59	

<b>U20 FINAL</b> - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)						<i>Nitta (2019) - research on athlete performance and technique- 2019 data book</i>					
date	20-Oct-19	time	6.09	10.95	16.08	21.67	21.67	4 / 8			
reaction time	0.169	interval		4.86	5.13	5.59		# of strides	10.95	10.72	0.23
wind	-1.2 m/s	velocity	8.21	10.29	9.75	8.94	9.23	94.2	9.13	9.33	

<b>FINAL</b> - 2019 Japanese National High School Championships (Okinawa, JPN)						<i>Kota (2019) - 72nd high school championships: JAF scientific committee</i>					
date	07-Aug-19	time	5.96	10.64	15.50	20.81	20.81	5 / 2			
reaction time		interval		4.68	4.86	5.31		# of strides	10.64	10.17	0.47
wind	2.1 m/s	velocity	8.39	10.68	10.29	9.42	9.61		9.40	9.83	

<b>FINAL</b> - 2018 Japanese National Youth (U18) Championships (Nagano, JPN)						<i>Ryutaro (2018) - research on athlete performance and technique</i>					
date	21-Oct-18	time	6.12	10.95	16.03	21.41	21.41	5 / 3			
reaction time	0.152	interval		4.83	5.08	5.38		# of strides	10.95	10.46	0.49
wind	0.1 m/s	velocity	8.17	10.35	9.84	9.29	9.34	93.2	9.13	9.56	

<b>FINAL</b> - 2018 Japanese National High School Championships (Nagoya, JPN)						<i>Kota (2018) - 71st high school championships: JAF scientific committee</i>					
date	05-Aug-18	time	5.65	11.00	16.08	21.39	21.39	3 / 4			
reaction time		interval		5.35	5.08	5.31	<b>PB</b>	# of strides	11.00	10.39	0.61
wind	-1.6 m/s	velocity	8.85	9.35	9.84	9.42	9.35		9.09	9.62	

<b>Kimura, Shunya (JPN) (2004)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2022 Japanese National High School Championships (Naruto, JPN)						<i>Kimura (2022) - national high school championships biomechanics data collection</i>					
date	06-Aug-22	time	6.65	10.99	16.02	21.49	21.49	4 / 3			
reaction time	0.146	interval		4.34	5.03	5.47		# of strides	10.99	10.50	0.49
wind	-2.3 m/s	velocity	7.52	11.52	9.94	9.14	9.31		9.10	9.52	

<b>Kimura, Sota (JPN) (2001)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2020 Japanese U20 National Championships (Hiroshima, JPN)						<i>Takahashi (2020) - 200m race analysis of top japanese sprinters in 2020</i>					
date	25-Oct-20	time	5.98	10.79	15.76	21.20	21.20	6 / 1			
reaction time	0.176	interval		4.81	4.97	5.44		# of strides	10.79	10.41	0.38
wind	1.5 m/s	velocity	8.36	10.40	10.06	9.19	9.43	101.8	9.27	9.61	

<b>Heat 1</b> - 2020 Japanese U20 National Championships (Hiroshima, JPN)						<i>Kobayashi (2002) - national high school and U20 national championships</i>					
date	25-Oct-20	time	5.94	10.71	15.72	21.50	21.50	6 / 1			
reaction time	0.168	interval		4.77	5.01	5.78		# of strides	10.71	10.79	-0.08
wind	0.6 m/s	velocity	8.42	10.48	9.98	8.65	9.30	103.0	9.34	9.27	

<b>FINAL</b> - 2019 Japanese National High School Championships (Okinawa, JPN)						<i>Kota (2019) - 72nd high school championships: JAF scientific committee</i>					
date	07-Aug-19	time	6.04	10.76	15.69	21.03	21.03	8 / 3			
reaction time		interval		4.72	4.93	5.34		# of strides	10.76	10.27	0.49
wind	2.1 m/s	velocity	8.28	10.59	10.14	9.36	9.51		9.29	9.74	

<b>King, Kyree (USA) (1994)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2024 Memorial van damme (Brussels, BEL)						<i>Omega Timing (2024) - diamond league race analysis</i>					
date	14-Sep-24	time	5.85	10.48	15.31	20.45	20.45	3 / 6			
reaction time	0.155	interval		4.63	4.83	5.14		# of strides	10.48	9.97	0.51
wind	0.7 m/s	velocity	8.55	10.80	10.35	9.73	9.78	89.5	9.54	10.03	

<b>FINAL</b> - 2024 Kamila Skolimowska Memorial (Silesia, POL)						<i>Omega Timing (2024) - diamond league race analysis</i>				
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date	25-Aug-24	time	5.87	10.43	15.16	20.27	20.27	4 / 5			
reaction time	0.158	interval		4.56	4.73	5.11		# of strides	10.43	9.84	0.59
wind	0.6 m/s	velocity	8.52	10.96	10.57	9.78	9.87	90.0	9.59	10.16	
<b>FINAL - 2024 USA Olympic Trials (Eugene, OR)</b>						<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>					
date	29-Jun-24	time	5.76	10.39	15.12	19.90	19.90	9 / 5			
reaction time		interval		4.63	4.73	4.78	<b>PB</b>	# of strides	10.39	9.51	0.88
wind	0.5 m/s	velocity	8.68	10.80	10.57	10.46	10.05	89.0	9.62	10.52	
<b>Semi-Final 1 - 2024 USA Olympic Trials (Eugene, OR)</b>						<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>					
date	28-Jun-24	time	5.82	10.46	15.20	20.25	20.25	7 / 2			
reaction time		interval		4.64	4.74	5.05		# of strides	10.46	9.79	0.67
wind	0.3 m/s	velocity	8.59	10.78	10.55	9.90	9.88	89.7	9.56	10.21	
<b>Heat 3 - 2024 USA Olympic Trials (Eugene, OR)</b>						<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>					
date	27-Jun-24	time	5.82	10.53	15.38	20.50	20.50	4 / 2			
reaction time		interval		4.71	4.85	5.12		# of strides	10.53	9.97	0.56
wind	1.1 m/s	velocity	8.59	10.62	10.31	9.77	9.76	88.5	9.50	10.03	
<b>FINAL - 2024 Prefontaine Classic (Eugene, OR)</b>						<i>Omega Timing (2024) - diamond league race analysis</i>					
date	25-May-24	time	5.84	10.41	15.13	20.15	20.15	8 / 3			
reaction time	0.191	interval		4.57	4.72	5.02		# of strides	10.41	9.74	0.67
wind	1.8 m/s	velocity	8.56	10.94	10.59	9.96	9.93	89.0	9.61	10.27	
<b>FINAL - 2024 Seashore Doha Meeting (Doha, QAT)</b>						<i>Omega Timing (2024) - diamond league race analysis</i>					
date	10-May-24	time	5.79	10.42	15.16	20.21	20.21	3 / 3			
reaction time	0.139	interval		4.63	4.74	5.05		# of strides	10.42	9.79	0.63
wind	1.7 m/s	velocity	8.64	10.80	10.55	9.90	9.90	89.7	9.60	10.21	
<b>FINAL - 2023 Prefontaine Classic (Eugene, OR)</b>						<i>Omega Timing (2023) - diamond league race analysis</i>					
date	17-Sep-23	time	5.79	10.36	15.11	20.16	20.16	9 / 5			
reaction time	0.153	interval		4.57	4.75	5.05		# of strides	10.36	9.80	0.56
wind	0.6 m/s	velocity	8.64	10.94	10.53	9.90	9.92	89.0	9.65	10.20	
<b>FINAL - 2023 Memorial van Damme (Brussels, BEL)</b>						<i>Omega Timing (2023) - diamond league race analysis</i>					
date	08-Sep-23	time	5.83	10.45	15.30	20.52	20.52	1 / 7			
reaction time	0.166	interval		4.62	4.85	5.22		# of strides	10.45	10.07	0.38
wind	-0.1 m/s	velocity	8.58	10.82	10.31	9.58	9.75	90.0	9.57	9.93	
<b>FINAL - 2023 London Athletics Meet (London, GBR)</b>						<i>Omega Timing (2023) - diamond league race analysis</i>					
date	23-Jul-23	time	5.75	10.30	14.98	20.01	20.01	4 / 4			
reaction time	0.154	interval		4.55	4.68	5.03		# of strides	10.30	9.71	0.59
wind	1.6 m/s	velocity	8.70	10.99	10.68	9.94	10.00	90.5	9.71	10.30	
<b>FINAL - 2023 Doha Diamond League (Doha, QAT)</b>						<i>Omega Timing (2023) - diamond league race analysis</i>					
date	05-May-23	time	6.38	10.53	15.34	20.29	20.29	1 / 4			
reaction time	0.123	interval		4.15	4.81	4.95		# of strides	10.53	9.76	0.77
wind	0.3 m/s	velocity	7.84	12.05	10.40	10.10	9.86	90.5	9.50	10.25	
<b>FINAL - 2021 Prefontaine Classic (Eugene, OR)</b>						<i>Omega Timing (2021) - diamond league race analysis</i>					
date	21-Aug-21	time	5.8	10.5	15.2	20.22	20.22	9 / <del>7</del>			<i>(no official time given)</i>
reaction time	0.138	interval		4.70	4.70	5.02	<b>DQ</b>	# of strides	10.50	9.72	0.78
wind	1.5 m/s	velocity	8.62	10.64	10.64	9.96	9.89	90.5	9.52	10.29	
<b>FINAL - 2019 The Match - Europe v USA (Minsk, BLR)</b>						<i>European Athletics (2019) - race analysis</i>					
date	10-Sep-19	time		10.69		20.83	20.83	8 / 3			
reaction time	0.177	interval				10.14		# of strides	10.69	10.14	0.55
wind	-0.1 m/s	velocity		9.35		9.86	9.60	90.2	9.35	9.86	
<b>Semi-Final 2 - 2017 IAAF World Championships (London, GBR)</b>						<i>Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m</i>					
date	09-Aug-17	time		10.34	15.17	20.43	20.59	4 / 5			
reaction time	0.158	interval			4.83	5.26		# of strides	10.34	10.09	0.25
wind	-0.3 m/s	velocity		9.67	10.35	9.51	9.71	89.3	9.67	9.91	
<b>FINAL - 2017 USATF National Championships (Sheepshead Bay, NY)</b>						<i>speedendurance.com/2017/07/14/200m-splits-from-usa-national-championships/</i>					
date	25-Jun-17	time		10.49		20.40	20.40	4 / 4			

reaction time	interval		9.91	# of strides	10.49	9.91	0.58	
wind	-2.3 m/s	velocity	9.53	10.09	9.80	87.7	9.53	10.09

**Kino, Syugoro (JPN)**

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b>	- 2017 Japanese National High School Championships (Yamaguchi, JPN)	<i>Kino (2017) - 70th high school championships: JAF scientific committee - biomechanics</i>								
date	01-Aug-17	time	5.61	10.92	15.97	21.37	21.37	7 / 6		
reaction time	0.128	interval		5.31	5.05	5.40	# of strides	10.92	10.45	0.47
wind	0.5 m/s	velocity	8.91	9.42	9.90	9.26	9.36	9.16	9.57	

**Kinoshita, Yuichi (JPN) (2002)**

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>U18 FINAL</b>	- 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)	<i>Kinoshita (2019) - research on athlete performance and technique- 2019 data book</i>								
date	20-Oct-19	time	6.12	10.97	16.03	21.41	21.41	3 / 2		
reaction time	0.183	interval		4.85	5.06	5.38	# of strides	10.97	10.44	0.53
wind	-0.5 m/s	velocity	8.17	10.31	9.88	9.29	9.34	96.0	9.12	9.58

**Kiryu, Yoshihide (JPN) (1995)**

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b>	- 2019 Japanese National Championships (Fukuoka, JPN)	<i>Yamanaka (2019) - research on athlete performance and technique- 2019 data book</i>								
date	30-Jun-19	time	5.82	10.47	15.31	20.54	20.54	9 / 3		
reaction time	0.153	interval		4.65	4.84	5.23	# of strides	10.47	10.07	0.40
wind	-1.3 m/s	velocity	8.59	10.75	10.33	9.56	9.74	92.0	9.55	9.93

<b>FINAL</b>	- 2018 Japanese National Championships (Yamaguchi, JPN)	<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>								
date	24-Jun-18	time	5.87	10.61	15.47	20.69	20.69	6 / 4		
reaction time	0.142	interval		4.74	4.86	5.22	# of strides	10.61	10.08	0.53
wind	0.8 m/s	velocity	8.52	10.55	10.29	9.58	9.67	92.0	9.43	9.92

<b>A FINAL</b>	- 2018 Shizuoka International Meeting (Fukuroi, JPN)	<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>								
date	03-May-18	time	5.87	10.52	15.54	21.13	21.13	7 / 5		
reaction time	0.148	interval		4.65	5.02	5.59	# of strides	10.52	10.61	-0.09
wind	0.3 m/s	velocity	8.52	10.75	9.96	8.94	9.47	92.5	9.51	9.43

<b>Heat 2</b>	- 2018 Shizuoka International Meeting (Fukuroi, JPN)	<i>Ryutaro (2018) - research on athlete performance and technique- 2018 data book</i>								
date	03-May-18	time	5.92	10.60	15.46	20.69	20.69	6 / 2		
reaction time	0.169	interval		4.68	4.86	5.23	# of strides	10.60	10.09	0.51
wind	1.1 m/s	velocity	8.45	10.68	10.29	9.56	9.67	91.5	9.43	9.91

<b>FINAL</b>	- 2015 Mikio Oda Memorial (Hiroshima, JPN)	<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>								
date	18-Apr-15	time	5.95	10.67	15.55	20.80	20.80	6 / 3		
reaction time		interval		4.72	4.88	5.25	# of strides	10.67	10.13	0.54
wind	1.5 m/s	velocity	8.40	10.59	10.25	9.52	9.62	93.0	9.37	9.87

<b>FINAL</b>	- 2013 Japanese National High School Championships (Oita, JPN)	<i>Yanagiya (2014) - research on athlete performance and technique- 2014</i>								
date	02-Aug-13	time		10.60	15.47	20.66	20.66	/ 1		
reaction time		interval			4.87	5.19	# of strides	10.60	10.06	0.54
wind	-1.2 m/s	velocity		9.43	10.27	9.63	9.68	9.43	9.94	

<b>FINAL</b>	- 2012 Japanese National High School Championships (Niigata, JPN)	<i>Yasunori (2012) - 65th high school championships: JAF scientific committee</i>								
date	01-Aug-12	time	6.00	10.77	15.86	21.42	21.42	6 / 7		
reaction time		interval		4.77	5.09	5.56	# of strides	10.77	10.65	0.12
wind	-0.5 m/s	velocity	8.33	10.48	9.82	8.99	9.34	9.29	9.39	

**Kitagawa, Sho (JPN) (1995)**

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b>	- 2020 All Japan Corporate Championships (Kumagaya, JPN)	<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>								
date	20-Sep-20	time	5.95	10.69	15.67	21.08	21.08	7 / 2		
reaction time	0.166	interval		4.74	4.98	5.41	# of strides	10.69	10.39	0.30
wind	1.2 m/s	velocity	8.40	10.55	10.04	9.24	9.49	90.7	9.35	9.62

<b>B FINAL</b>	- 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)	<i>Kobayashi (2019) - research on athlete performance technique- 2019 data book</i>								
date	03-May-19	time	5.90	10.63	15.68	21.10	21.10	3 / 4		
reaction time		interval		4.73	5.05	5.42	# of strides	10.63	10.47	0.16
wind	-0.2 m/s	velocity	8.47	10.57	9.90	9.23	9.48	90.5	9.41	9.55

**Kitaura, Minoru (JPN)**

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>U20 FINAL</b>	- 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)	<i>Kitaura (2019) - research on athlete performance and technique- 2019 data book</i>								
date	20-Oct-19	time	6.13	11.03	16.09	21.50	21.50	2 / 5		
reaction time	0.147	interval		4.90	5.06	5.41	# of strides	11.03	10.47	0.56

wind	-1.2 m/s	velocity	8.16	10.20	9.88	9.24	9.30	93.0	9.07	9.55
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<b>Klein Ikkink, Isaya (NED) (2003)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>National FINAL</b> - 2024 FBK Games (Hengelo, NED)											
<i>Omega Timing (2024) - continental tour gold race analysis</i>											
date	07-Jul-24	time	6.17	11.06	16.15	21.50	21.50	7 / 4			
reaction time	0.192	interval		4.89	5.09	5.35		# of strides	11.06	10.44	0.62
wind	-0.3 m/s	velocity	8.10	10.22	9.82	9.35	9.30		9.04	9.58	
<b>Kling-Baptiste, Tom (SWE) (1990)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>B FINAL</b> - 2013 Windsprint (Sundsvall, SWE)											
<i>(2013) - www.ssg.se/windsprint/Splittider/</i>											
date	28-Jul-13	time		10.79	15.68	20.75	20.75	3 / 2			
reaction time		interval			4.89	5.07		# of strides	10.79	9.96	0.83
wind	3.1 m/s	velocity		9.27	10.22	9.86	9.64		9.27	10.04	
<b>B FINAL</b> - 2012 Windsprint (Sundsvall, SWE)											
<i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>											
date	17-Jun-12	time		11.10		21.42	21.42	1 / 2			
reaction time		interval				10.32		# of strides	11.10	10.32	0.78
wind	0.4 m/s	velocity		9.01		4.67	9.34		9.01	9.69	
<b>Klvana, Filip (CZE) (1977)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heat 1</b> - 2013 Czech Republic National Championships (Tábor, CZE)											
<i>Feher (2013) - Final report men's &amp; women's Czech Republic national champs</i>											
date	16-Jun-13	time	6.28	11.29	16.57	22.20	22.20	6 / 3			
reaction time	0.141	interval		5.01	5.28	5.63		# of strides	11.29	10.91	0.38
wind	-0.7 m/s	velocity	7.96	9.98	9.47	8.88	9.01		8.86	9.17	
<b>Knighton, Erriyon (USA) (2004)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL</b> - 2024 Weltklasse (Zürich, SUI)											
<i>Omega Timing (2024) - diamond league race analysis</i>											
date	05-Sep-24	time	5.80	10.26	14.85	19.79	19.79	5 / 3			
reaction time	0.152	interval		4.46	4.59	4.94		# of strides	10.26	9.53	0.73
wind	0.4 m/s	velocity	8.62	11.21	10.89	10.12	10.11	83.0	9.75	10.49	
<b>FINAL</b> - 2024 Kamila Skolimowska Memorial (Silesia, POL)											
<i>Omega Timing (2024) - diamond league race analysis</i>											
date	25-Aug-24	time	5.98	10.49	15.13	20.07	20.07	5 / 4			
reaction time	0.200	interval		4.51	4.64	4.94		# of strides	10.49	9.58	0.91
wind	0.6 m/s	velocity	8.36	11.09	10.78	10.12	9.97	85.5	9.53	10.44	
<b>FINAL</b> - 2024 Athletissima (Lausanne, SUI)											
<i>Omega Timing (2024) - diamond league race analysis</i>											
date	22-Aug-24	time	5.77	10.21	14.82	19.78	19.78	7 / 2			
reaction time	0.130	interval		4.44	4.61	4.96		# of strides	10.21	9.57	0.64
wind	0.9 m/s	velocity	8.67	11.26	10.85	10.08	10.11	84.5	9.79	10.45	
<b>FINAL</b> - 2024 Olympic Games (Paris, FRA)											
<i>Paris 2024 Olympc Games - Results Book (2024)</i>											
date	08-Aug-24	time	5.82	10.31	14.98	19.99	19.99	6 / 4			
reaction time	0.157	interval		4.49	4.67	5.01		# of strides	10.31	9.68	0.63
wind	0.4 m/s	velocity	8.59	11.14	10.71	9.98	10.01	85.0	9.70	10.33	
<b>Semi-Final 3</b> - 2024 Olympic Games (Paris, FRA)											
<i>Paris 2024 Olympc Games - Results Book (2024)</i>											
date	07-Aug-24	time	5.86	10.39	15.09	20.09	20.09	8 / 1			
reaction time	0.158	interval		4.53	4.70	5.00		# of strides	10.39	9.70	0.69
wind	-0.6 m/s	velocity	8.53	11.04	10.64	10.00	9.96	85.0	9.62	10.31	
<b>Heat 5</b> - 2024 Olympic Games (Paris, FRA)											
<i>Paris 2024 Olympc Games - Results Book (2024)</i>											
date	05-Aug-24	time	5.85	10.38	15.05	19.99	19.99	4 / 1			
reaction time	0.157	interval		4.53	4.67	4.94		# of strides	10.38	9.61	0.77
wind	0.2 m/s	velocity	8.55	11.04	10.71	10.12	10.01	84.2	9.63	10.41	
<b>FINAL</b> - 2024 USA Olympic Trials (Eugene, OR)											
<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>											
date	29-Jun-24	time	5.86	10.42	14.99	19.77	19.77	7 / 3			
reaction time		interval		4.56	4.57	4.78		# of strides	10.42	9.35	1.07
wind	0.5 m/s	velocity	8.53	10.96	10.94	10.46	10.12	84.5	9.60	10.70	
<b>Semi-Final 1</b> - 2024 USA Olympic Trials (Eugene, OR)											
<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>											
date	28-Jun-24	time	5.90	10.48	15.11	19.93	19.93	8 / 1			
reaction time		interval		4.58	4.63	4.82		# of strides	10.48	9.45	1.03
wind	0.3 m/s	velocity	8.47	10.92	10.80	10.37	10.04	83.2	9.54	10.58	

**Heat 4 - 2024 USA Olympic Trials (Eugene, OR)**

USATF and Karmarush (2024) - USA Olympic trials results and race analysis

date	27-Jun-24	time	5.78	10.37	15.15	20.15	20.15	5 / 1			
reaction time		interval		4.59	4.78	5.00		# of strides	10.37	9.78	0.59
wind	1.2 m/s	velocity	8.65	10.89	10.46	10.00	9.93	84.0	9.64	10.22	

**FINAL - 2023 Prefontaine Classic (Eugene, OR)**

Omega Timing (2023) - diamond league race analysis

date	17-Sep-23	time	5.82	10.30	14.92	19.97	19.97	7 / 3			
reaction time	0.155	interval		4.48	4.62	5.05		# of strides	10.30	9.67	0.63
wind	0.6 m/s	velocity	8.59	11.16	10.82	9.90	10.02	83.5	9.71	10.34	

**FINAL - 2023 Weltklasse (Zürich, SUI)**

Omega Timing (2023) - diamond league race analysis

date	31-Aug-23	time	5.76	10.22	14.88	19.87	19.87	7 / 2			
reaction time	0.147	interval		4.46	4.66	4.99		# of strides	10.22	9.65	0.57
wind	-0.5 m/s	velocity	8.68	11.21	10.73	10.02	10.07	86.0	9.78	10.36	

**FINAL - 2023 World Athletics Championships (Budapest, HUN)**

Seiko Timing (2023) - world championship race analysis

date	25-Aug-23	time		10.28		19.75	19.75	8 / 2			
reaction time	0.138	interval				9.47		# of strides	10.28	9.47	0.81
wind	-0.2 m/s	velocity		9.73		10.56	10.13	84.2	9.73	10.56	

**Semi-Final 3 - 2023 World Athletics Championships (Budapest, HUN)**

Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC

date	24-Aug-23	time	5.75	10.25	14.96	19.98	19.98	6 / 1			
reaction time	0.151	interval		4.50	4.71	5.02		# of strides	10.25	9.73	0.52
wind	-0.4 m/s	velocity	8.70	11.11	10.62	9.96	10.01	184.5	9.76	10.28	

**Heat 6 - 2023 World Athletics Championships (Budapest, HUN)**

Seiko Timing (2023) - world championship race analysis

date	23-Aug-23	time		10.56		20.17	20.17	9 / 1			
reaction time	0.158	interval				9.61		# of strides	10.56	9.61	0.95
wind	-0.5 m/s	velocity		9.47		10.41	9.92	83.0	9.47	10.41	

**FINAL - 2023 Bislett Games (Oslo, NOR)**

Omega Timing (2023) - diamond league race analysis

date	15-Jun-23	time	5.81	10.27	14.91	19.77	19.77	5 / 1			
reaction time	0.153	interval		4.46	4.64	4.86		# of strides	10.27	9.50	0.77
wind	0.6 m/s	velocity	8.61	11.21	10.78	10.29	10.12	83.2	9.74	10.53	

**FINAL - 2023 Golden Gala Pietro Mennea (Firenze, ITA)**

Omega Timing (2023) - diamond league race analysis

date	02-Jun-23	time	5.80	10.28	14.97	19.89	19.89	5 / 1			
reaction time	0.158	interval		4.48	4.69	4.92		# of strides	10.28	9.61	0.67
wind	0.0 m/s	velocity	8.62	11.16	10.66	10.16	10.06	84.0	9.73	10.41	

**FINAL - 2022 Weltklasse (Zürich, SUI)**

Omega Timing (2022) - diamond league race analysis

date	08-Sep-22	time	5.81	10.33	15.02	20.20	20.20	5 / 4			
reaction time	0.183	interval		4.52	4.69	5.18		# of strides	10.33	9.87	0.46
wind	-0.6 m/s	velocity	8.61	11.06	10.66	9.65	9.90	86.5	9.68	10.13	

**FINAL - 2022 Memorial van Damme (Brussels, BEL)**

Omega Timing (2022) - diamond league race analysis

date	02-Sep-22	time	5.76	10.26	15.00	20.07	20.07	7 / 1			
reaction time	0.152	interval		4.50	4.74	5.07		# of strides	10.26	9.81	0.45
wind	-2.9 m/s	velocity	8.68	11.11	10.55	9.86	9.97	86.5	9.75	10.19	

**FINAL - 2022 Athletissima (Lausanne, SUI)**

Omega Timing (2022) - diamond league race analysis

date	26-Aug-22	time	5.78	10.32	15.02	20.13	20.13	8 / 6			
reaction time	0.150	interval		4.54	4.70	5.11		# of strides	10.32	9.81	0.51
wind	1.3 m/s	velocity	8.65	11.01	10.64	9.78	9.94	85.5	9.69	10.19	

**FINAL - 2022 Herculis Meeting International d'Athlétisme (Monaco, MON)**

Omega Timing (2022) - diamond league race analysis

date	10-Aug-22	time	5.78	10.21	14.86	19.84	19.84	6 / 2			
reaction time	0.192	interval		4.43	4.65	4.98		# of strides	10.21	9.63	0.58
wind	0.8 m/s	velocity	8.65	11.29	10.75	10.04	10.08	84.5	9.79	10.38	

**FINAL - 2022 World Athletics Championships (Eugene, OR)**

Timing by Seiko (2022) - world athletics championships race analysis

date	21-Jul-22	time		10.31		19.80	19.80	3 / 3			
reaction time	0.153	interval				9.49		# of strides	10.31	9.49	0.82
wind	0.4 m/s	velocity		9.70		10.54	10.10	84.2	9.70	10.54	

**Semi-Final 3 - 2022 World Athletics Championships (Eugene, OR)**

Timing by Seiko (2022) - world athletics championships race analysis

date	19-Jul-22	time		10.27		19.77	19.77	4 / 1			
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reaction time	0.147	interval		9.50			# of strides	10.27	9.50	0.77		
wind	0.3 m/s	velocity	9.74	10.53	10.12		83.2	9.74	10.53			
<b>Heat 3 - 2022 World Athletics Championships (Eugene, OR)</b>					<i>Timing by Seiko (2022) - world athletics championships race analysis</i>							
date	18-Jul-22	time	10.36	20.01	20.01		3 / 1					
reaction time	0.174	interval		9.65			# of strides	10.36	9.65	0.71		
wind	2.1 m/s	velocity	9.65	10.36	10.00		82.7	9.65	10.36			
<b>Ko Seunghwan (KOR) (1997)</b>												
<b>Heat 2 - 2023 World Athletics Championships (Budapest, HUN)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
date	23-Aug-23	time	10.79		21.09	21.09		1 / 7				
reaction time	0.138	interval			10.30			# of strides	10.79	10.30	0.49	
wind	-0.1 m/s	velocity	9.27		9.71	9.48		87.0	9.27	9.71		
<b>Kobayashi, Shoichi (JPN) (1993)</b>												
<b>FINAL - 2011 Japanese National High School Championships (Kitakami, JPN)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
date	06-Aug-11	time	6.22	11.12	16.08	21.56	21.56		/ 8			
reaction time		interval	4.90	4.96	5.48				# of strides	11.12	10.44	0.68
wind	-0.4 m/s	velocity	8.04	10.20	10.08	9.12	9.28		8.99	9.58		
<b>Kobayashi, Yuichi (JPN) (1989)</b>												
<b>FINAL - 2016 Shizuoka International Athletics Meeting (Fukuuroi, JPN)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
date	03-May-16	time	5.99	10.76	15.69	20.94	20.94		/ 5			
reaction time		interval	4.77	4.93	5.25				# of strides	10.76	10.18	0.58
wind	1.0 m/s	velocity	8.35	10.48	10.14	9.52	9.55		9.29	9.82		
<b>FINAL - 2014 Shizuoka International Athletics Meeting (Fukuuroi, JPN)</b>												
date	03-May-14	time	6.13	10.86	15.76	20.94	20.94		/ 8			
reaction time		interval	4.73	4.90	5.18				# of strides	10.86	10.08	0.78
wind	0.8 m/s	velocity	8.16	10.57	10.20	9.65	9.55		9.21	9.92		
<b>Heat 3 - 2011 IAAF World Championships (Daegu, KOR)</b>												
date	02-Sep-11	time	5.99	10.83	15.81	21.27	21.27		5 / 7			
reaction time	0.251	interval	4.84	4.98	5.46				# of strides	10.83	10.44	0.39
wind	-1.1 m/s	velocity	8.35	10.33	10.04	9.16	9.40		92.2	9.23	9.58	
<b>FINAL - 2011 Japanese National Championships (Kumagaya, JPN)</b>												
date	11-Jun-11	time	5.86	10.54	15.43	20.62	20.62		/ 3			
reaction time		interval	4.68	4.89	5.19				# of strides	10.54	10.08	0.46
wind	0.0 m/s	velocity	8.53	10.68	10.22	9.63	9.70		9.49	9.92		
<b>FINAL - 2011 Shizuoka International Athletics Meeting (Fukuuroi, JPN)</b>												
date	03-May-11	time	5.94	10.67	15.62	20.86	20.86		/ 4			
reaction time		interval	4.73	4.95	5.24				# of strides	10.67	10.19	0.48
wind	0.5 m/s	velocity	8.42	10.57	10.10	9.54	9.59		9.37	9.81		
<b>FINAL - 2007 Japanese National High School Championships (Saga, JPN)</b>												
date	04-Aug-07	time	6.04	10.98	16.31	21.98	21.98		3 / 1			
reaction time		interval	4.94	5.33	5.67				# of strides	10.98	11.00	-0.02
wind	-4.3 m/s	velocity	8.28	10.12	9.38	8.82	9.10		9.11	9.09		
<b>Koffi, Wilfried (CIV) (1987)</b>												
<b>Semi-Final 3 - 2017 IAAF World Championships (London, GBR)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
date	09-Aug-17	time	10.44	15.31	20.63	20.80		3 / 8				
reaction time	0.174	interval		4.87	5.32				# of strides	10.44	10.19	0.25
wind	0.3 m/s	velocity	9.58	10.27	9.40	9.62		86.7	9.58	9.81		
<b>Koike, Maya (JPN) (1997)</b>												
<b>FINAL - 2015 Japanese National High School Championships (Wakayama, JPN)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
date	01-Aug-15	time	5.76	10.99	16.12	21.54	21.54		3 / 6			
reaction time		interval	5.23	5.13	5.42				# of strides	10.99	10.55	0.44
wind	-1.5 m/s	velocity	8.68	9.56	9.75	9.23	9.29		9.10	9.48		
<b>Koike, Yuki (JPN) (1995)</b>												
<b>FINAL - 2021 Japanese National Championships (Osaka, JPN)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
date	27-Jun-21	time	5.87	10.57	15.40	20.46	20.46		5 / 1			
reaction time	0.169	interval	4.70	4.83	5.06				# of strides	10.57	9.89	0.68

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation



wind	1.0 m/s	velocity	8.52	10.64	10.35	9.88	9.78	95.0	9.46	10.11
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<b>FINAL - 2020 Japanese National Championships (Niigata, JPN)</b>						<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>					
date	03-Oct-20	time	5.83	10.45	15.37	20.88	20.88	5 / 2			
reaction time	0.163	interval		4.62	4.92	5.51		# of strides	10.45	10.43	0.02
wind	-0.5 m/s	velocity	8.58	10.82	10.16	9.07	9.58	98.0	9.57	9.59	

<b>Race 2 - 2020 World Athletics Trials (Fuji, JPN)</b>						<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>					
date	06-Sep-20	time	5.88	10.54	15.42	20.76	20.76	5 / 1			
reaction time		interval		4.66	4.88	5.34		# of strides	10.54	10.22	0.32
wind	-0.6 m/s	velocity	8.50	10.73	10.25	9.36	9.63	97.0	9.49	9.78	

<b>Heat 2 - 2019 IAAF World Championships (Doha, QAT)</b>						<i>Takahashi (2019) - race analysis top 200m athletes- domestic and international</i>					
date	29-Sep-19	time	5.85	10.44	15.22	20.46	20.46	8 / 4			
reaction time	0.167	interval		4.59	4.78	5.24		# of strides	10.44	10.02	0.42
wind	0.5 m/s	velocity	8.55	10.89	10.46	9.54	9.78	96.5	9.58	9.98	

<b>FINAL - 2019 Japanese National Championships (Fukuoka, JPN)</b>						<i>Yamanaka (2019) - research on athlete performance and technique- 2019 data book</i>					
date	30-Jun-19	time	5.80	10.38	15.20	20.48	20.48	5 / 2			
reaction time	0.162	interval		4.58	4.82	5.28		# of strides	10.38	10.10	0.28
wind	-1.3 m/s	velocity	8.62	10.92	10.37	9.47	9.77	97.0	9.63	9.90	

<b>FINAL - 2019 Asian Athletics Championships (Doha, QAT)</b>						<i>Takahashi (2019) - race analysis top 200m athletes- domestic and international</i>					
date	24-Apr-19	time	5.83	10.45	15.27	20.55	20.55	6 / 2			
reaction time	0.160	interval		4.62	4.82	5.28		# of strides	10.45	10.10	0.35
wind	1.7 m/s	velocity	8.58	10.82	10.37	9.47	9.73	96.0	9.57	9.90	

<b>FINAL - 2018 Asian Games (Jakarta, INA)</b>						<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>					
date	29-Aug-18	time	5.78	10.37	15.14	20.23	20.23	3 / 1			
reaction time	0.139	interval		4.59	4.77	5.09	<b>PB</b>	# of strides	10.37	9.86	0.51
wind	0.7 m/s	velocity	8.65	10.89	10.48	9.82	9.89	95.5	9.64	10.14	

<b>FINAL - 2018 Japanese National Championships (Yamaguchi, JPN)</b>						<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>					
date	24-Jun-18	time	5.83	10.48	15.26	20.42	20.42	7 / 2			
reaction time	0.162	interval		4.65	4.78	5.16	<b>PB</b>	# of strides	10.48	9.94	0.54
wind	0.8 m/s	velocity	8.58	10.75	10.46	9.69	9.79	95.2	9.54	10.06	

<b>FINAL - 2017 Shizuoka International Meeting (Fukuroi, JPN)</b>						<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>					
date	03-May-17	time	6.04	10.84	15.77	21.04	21.04	7 / 4			
reaction time		interval		4.80	4.93	5.27		# of strides	10.84	10.20	0.64
wind	0.2 m/s	velocity	8.28	10.42	10.14	9.49	9.51	95.2	9.23	9.80	

<b>FINAL - 2015 Japanese National Championships (Niigata, JPN)</b>						<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>					
date	27-Jun-15	time	6.01	10.81	15.73	20.97	20.97	9 / 7			
reaction time	0.146	interval		4.80	4.92	5.24		# of strides	10.81	10.16	0.65
wind	0.8 m/s	velocity	8.32	10.42	10.16	9.54	9.54	95.2	9.25	9.84	

<b>FINAL - 2015 Mikio Oda Memorial (Hiroshima, JPN)</b>						<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>					
date	18-Apr-15	time	6.08	10.98	15.87	21.09	21.09	1 / 6			
reaction time		interval		4.90	4.89	5.22		# of strides	10.98	10.11	0.87
wind	1.5 m/s	velocity	8.22	10.20	10.22	9.58	9.48	95.2	9.11	9.89	

<b>B FINAL - 2014 Shizuoka International Athletics Meeting (Fukuroi, JPN)</b>						<i>Koyama (2014) - research on athlete performance and technique- 2014</i>					
date	03-May-14	time	5.95	10.57	15.30	20.61	20.61	1 / 3			
reaction time		interval		4.62	4.73	5.31	<b>PB</b>	# of strides	10.57	10.04	0.53
wind	0.6 m/s	velocity	8.40	10.82	10.57	9.42	9.70		9.46	9.96	

<b>FINAL - 2012 Japanese National High School Championships (Niigata, JPN)</b>						<i>Yasunori (2012) - 65th high school championships: JAF scientific committee</i>					
date	01-Aug-12	time	6.12	11.00	16.01	21.37	21.37	2 / 5			
reaction time		interval		4.88	5.01	5.36		# of strides	11.00	10.37	0.63
wind	-0.5 m/s	velocity	8.17	10.25	9.98	9.33	9.36		9.09	9.64	

<b>Kojima, Youga (JPN) (2004)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL - 2022 Japanese National High School Championships (Naruto, JPN)</b> <i>Kishima (2022) - national high school championships biomechanics data collection</i>											
date	06-Aug-22	time	6.65	11.05	16.20	21.75	21.75	9 / 5			
reaction time	0.169	interval		4.40	5.15	5.55		# of strides	11.05	10.70	0.35

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

wind -2.3 m/s velocity 7.52 11.36 9.71 9.01 9.20 89.7 9.05 9.35

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Komański, Albert (POL) (2000)</b>											
<b>FINAL</b> - 2024 Kamila Skolimowska Memorial (Silesia, POL)		<i>Omega Timing (2024) - diamond league race analysis</i>									
date	25-Aug-24	time	6.13	10.97	15.95	21.07	21.07	1 / 9			
reaction time	0.163	interval		4.84	4.98	5.12		# of strides	10.97	10.10	0.87
wind	0.6 m/s	velocity	8.16	10.33	10.04	9.77	9.49	87.7	9.12	9.90	
<b>Repechage 3</b> - 2024 Olympic Games (Paris, FRA)		<i>Paris 2024 Olympc Games - Results Book (2024)</i>									
date	06-Aug-24	time	5.98	10.71	15.69	20.90	20.90	2 / 5			
reaction time	0.157	interval		4.73	4.98	5.21		# of strides	10.71	10.19	0.52
wind	0.0 m/s	velocity	8.36	10.57	10.04	9.60	9.57	88.7	9.34	9.81	
<b>Heat 1</b> - 2024 Olympic Games (Paris, FRA)		<i>Paris 2024 Olympc Games - Results Book (2024)</i>									
date	05-Aug-24	time	5.97	10.71	15.61	20.77	20.77	6 / 8			
reaction time	0.153	interval		4.74	4.90	5.16		# of strides	10.71	10.06	0.65
wind	0.1 m/s	velocity	8.38	10.55	10.20	9.69	9.63	89.2	9.34	9.94	
<b>Heat 7</b> - 2023 World Athletics Championships (Budapest, HUN)		<i>Seiko Timing (2023) - world championship race analysis</i>									
date	23-Aug-23	time		11.85		21.16	21.16	8 / <del>8</del> 7			
reaction time	0.146	interval				9.31		# of strides	11.85	9.31	2.54
wind	-0.1 m/s	velocity		8.44		10.74	9.45	89.0	8.44	10.74	
<b>Konno, Kyosuke (JPN) (1996)</b>											
<b>FINAL</b> - 2014 Japanese National High School Championships (Kofu, JPN)		<i>Yanagiya (2014) - research on athlete performance and technique- 2014</i>									
date	02-Aug-14	time	5.46	10.65	15.61	21.08	21.08	6 / 1			
reaction time		interval		5.19	4.96	5.47		# of strides	10.65	10.43	0.22
wind	-1.6 m/s	velocity	9.16	9.63	10.08	9.14	9.49		9.39	9.59	
<b>Kosenkow, Alexander (GER) (1977)</b>											
<b>Heat 7</b> - 2009 IAAF World Championships (Berlin, GER)		<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>									
date	18-Aug-09	time	5.84	10.52	15.48	20.99	20.99	8 / 5			
reaction time	0.152	interval		4.68	4.96	5.51		# of strides	10.52	10.47	0.05
wind	-0.6 m/s	velocity	8.56	10.68	10.08	9.07	9.53		9.51	9.55	
<b>FINAL</b> - 2007 European Cup (Munich, GER)		<i>Graubner (2007) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>									
date	24-Jun-07	time		10.47	15.28	20.63	20.63	/ 6			
reaction time	0.190	interval			4.81	5.35		# of strides	10.47	10.16	0.31
wind	1.0 m/s	velocity		9.55	10.40	9.35	9.69		9.55	9.84	
<b>Krill, Bryan (USA) (1973)</b>											
<b>Quarter-Final 1</b> - 1996 USA Olympic Trials (Atlanta, GA)		<i>Hymans (2020) - history of the US olympic trials - track and field</i>									
date	22-Jun-96	time		10.83		21.09	21.09	/ 7			
reaction time		interval				10.26		# of strides	10.83	10.26	0.57
wind	2.4 m/s	velocity		9.23		9.75	9.48		9.23	9.75	
<b>Heat 3</b> - 1996 USA Olympic Trials (Atlanta, GA)		<i>Hymans (2020) - history of the US olympic trials - track and field</i>									
date	21-Jun-96	time		10.79		20.95	20.95	/ 3			
reaction time		interval				10.16		# of strides	10.79	10.16	0.63
wind	0.9 m/s	velocity		9.27		9.84	9.55		9.27	9.84	
<b>Kristoffersson, Fredrik (SWE) (1989)</b>											
<b>G FINAL</b> - 2007 Windsprint (Sundsvall, SWE)		<i>(2007) - <a href="http://www.ssg.se/en/Windsprint/Split-times/">www.ssg.se/en/Windsprint/Split-times/</a></i>									
date	24-Jul-07	time	12.09	17.64	23.70	23.70	6 / 1				
reaction time		interval		5.55	6.06			# of strides	12.09	11.61	0.48
wind	1.0 m/s	velocity		8.27	9.01	8.25	8.44		8.27	8.61	
<b>Krylov, Vladimir (URS) (1964)</b>											
<b>FINAL</b> - 1987 IAAF World Championships (Rome, ITA)		<i>Veney - split times from PJ</i>									
date	03-Sep-87	time	5.87	10.52	15.22	20.23	20.23	5 / 5			
reaction time		interval		4.65	4.70	5.01	<b>NR</b>	# of strides	10.52	9.71	0.81
wind	-0.4 m/s	velocity	8.52	10.75	10.64	9.98	9.89	85.5	9.51	10.30	
<b>Kubelik, Eduard (CZE) (2002)</b>											
<b>Repechage 3</b> - 2024 Olympic Games (Paris, FRA)		<i>Paris 2024 Olympc Games - Results Book (2024)</i>									
date	06-Aug-24	time	6.02	10.73	15.75	21.20	21.20	8 / 6			
reaction time	0.150	interval		4.71	5.02	5.45		# of strides	10.73	10.47	0.26

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

wind 0.0 m/s velocity 8.31 10.62 9.96 9.17 9.43 87.7 9.32 9.55

**Heat 5 - 2024 Olympic Games (Paris, FRA)**

Paris 2024 Olympic Games - Results Book (2024)

date 05-Aug-24 time 5.96 10.71 15.70 21.14 21.14 5 / 8  
 reaction time 0.142 interval 4.75 4.99 5.44 # of strides 10.71 10.43 0.28  
 wind 0.2 m/s velocity 8.39 10.53 10.02 9.19 9.46 88.2 9.34 9.59

**Kuboi, So (JPN) (2003)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL** - 2021 Japanese High School National Championships (Fukui, JPN) *Shibayama (2021) - national high school and U20 national championships*

date 31-Jul-21 time 5.63 11.00 15.82 20.94 20.94 6 / 6  
 reaction time 0.130 interval 5.37 4.82 5.12 # of strides 11.00 9.94 1.06  
 wind 3.1 m/s velocity 8.88 9.31 10.37 9.77 9.55 9.09 10.06

**Kuptík, Ondrej (CZE) (1991)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**Heat 2** - 2013 Czech Republic National Championships (Tábor, CZE) *Feher (2013) - Final report men's & women's Czech Republic national champs*

date 16-Jun-13 time 6.29 11.24 16.72 22.14 22.14 8 / 6  
 reaction time 0.176 interval 4.95 5.48 5.42 # of strides 11.24 10.90 0.34  
 wind 0.8 m/s velocity 7.95 10.10 9.12 9.23 9.03 8.90 9.17

**Kurnicki, Robert (GER) (1965)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**Semi-Final 1** - 1993 IAAF World Championships (Stuttgart, GER) *Veney - split times from PJ*

date 19-Aug-93 time 6.08 10.72 15.53 20.67 20.67 8 / 6  
 reaction time interval 4.64 4.81 5.14 # of strides 10.72 9.95 0.77  
 wind 0.6 m/s velocity 8.22 10.78 10.40 9.73 9.68 9.33 10.05

**Kuroki, Kaisho (JPN)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL** - 2023 Japanese National High School Championships (Sapporo, JPN) *Takashima (2023) - national high school sports festival - biomechanics data*

date 05-Aug-23 time 5.89 10.84 15.70 20.90 20.90 4 / 1  
 reaction time 0.214 interval 4.95 4.86 5.20 # of strides 10.84 10.06 0.78  
 wind 2.9 m/s velocity 8.49 10.10 10.29 9.62 9.57 9.23 9.94

**Kuwano, Takumi (JPN) (2001)**

50m 100m 150m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL** - 2018 Japanese National High School Championships (Nagoya, JPN) *Kota (2018) - 71st high school championships: JAF scientific committee*

date 05-Aug-18 time 5.61 10.94 15.97 21.35 21.35 6 / 3  
 reaction time interval 5.33 5.03 5.38 **PB** # of strides 10.94 10.41 0.53  
 wind -1.6 m/s velocity 8.91 9.38 9.94 9.29 9.37 9.14 9.61

**Lang, Lance (USA) (2001)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**Semi-Final 1** - 2024 USA Olympic Trials (Eugene, OR) *USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date 28-Jun-24 time 5.93 10.70 15.65 20.86 20.86 5 / 7  
 reaction time interval 4.77 4.95 5.21 # of strides 10.70 10.16 0.54  
 wind 0.3 m/s velocity 8.43 10.48 10.10 9.60 9.59 94.0 9.35 9.84

**Heat 2** - 2024 USA Olympic Trials (Eugene, OR) *USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date 27-Jun-24 time 5.83 10.51 15.45 20.49 20.49 4 / 4  
 reaction time interval 4.68 4.94 5.04 # of strides 10.51 9.98 0.53  
 wind 0.0 m/s velocity 8.58 10.68 10.12 9.92 9.76 94.2 9.51 10.02

**Larry, Lionel (USA) (1986)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL** - 2003 USATF National Junior Championships (Palo Alto, CA) *USATF Women's Sprint Development (2003)*

date 21-Jun-03 time 16.16 21.59 21.59 1 / 6  
 reaction time interval 5.43 # of strides  
 wind -1.8 m/s velocity 9.28 9.21 9.26

**Larsson, Åke (SWE) (1957)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**G FINAL** - 2007 Windsprint (Sundsvall, SWE) *(2007) - www.ssg.se/en/Windsprint/Split-times/*

date 24-Jul-07 time 12.78 18.67 24.89 24.89 5 / 4  
 reaction time interval 5.89 6.22 # of strides 12.78 12.11 0.67  
 wind 1.0 m/s velocity 7.82 8.49 8.04 8.04 8.04 7.82 8.26

**Larsson, Niklas (SWE) (1985)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**C FINAL** - 2012 Windsprint (Sundsvall, SWE) *(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx*

date 17-Jun-12 time 11.51 22.34 22.34 / 4  
 reaction time interval 10.83 # of strides 11.51 10.83 0.68  
 wind 0.9 m/s velocity 8.69 4.48 8.95 8.69 9.23

<b>Lattany, Mel (USA) (1959)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL</b> - 1981 IAAF World Cup (Rome, ITA)						<i>Butler (2010) - 1st/IAAF VTB bank continental cup, IAAF statistics handbook - split 2010</i>				
date	06-Sep-81	time	10.5		20.21	20.21	/ 1			
reaction time		interval			9.71		# of strides	10.50	9.71	0.79
wind	0.1 m/s	velocity	9.52		10.30	9.90		9.52	10.30	

<b>Law, Calab (AUS) (2003)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heat 1</b> - 2024 Olympic Games (Paris, FRA)						<i>Paris 2024 Olympc Games - Results Book (2024)</i>				
date	05-Aug-24	time	5.89	10.50	15.39	20.75	20.75	5 / 7		
reaction time	0.164	interval		4.61	4.89	5.36		# of strides	10.50	10.25
wind	0.1 m/s	velocity	8.49	10.85	10.22	9.33	9.64	89.0	9.52	9.76

<b>Semi-Final 3</b> - 2022 World Athletics Championships (Eugene, OR)		<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	19-Jul-22	time	10.77		20.72	20.72	1 / 7			
reaction time	0.127	interval			9.95		# of strides	10.77	9.95	0.82
wind	0.3 m/s	velocity	9.29		10.05	9.65	87.0	9.29	10.05	

<b>Heat 6</b> - 2022 World Athletics Championships (Eugene, OR)		<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	18-Jul-22	time	10.57		20.50	20.50	4 / 3			
reaction time	0.133	interval			9.93	<b>PB</b>	# of strides	10.57	9.93	0.64
wind	1.0 m/s	velocity	9.46		10.07	9.76	87.2	9.46	10.07	

<b>Lawler, Marcus (IRL) (1995)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL</b> - 2020 Memorial Van Damme (Brussels, BEL)						<i>Omega Timing (2020) - diamond league race analysis</i>				
date	04-Sep-20	time	6.1	10.9	15.9	21.33	21.33	1 / 8		
reaction time	0.145	interval		4.80	5.00	5.43		# of strides	10.90	10.43
wind	0.1 m/s	velocity	8.20	10.42	10.00	9.21	9.38	97.0	9.17	9.59

<b>FINAL</b> - 2019 The Match - Europe v USA (Minsk, BLR)		<i>European Athletics (2019) - race analysis</i>								
date	10-Sep-19	time	10.73		21.14	21.14	3 / 8			
reaction time	0.162	interval			10.41		# of strides	10.73	10.41	0.32
wind	-0.1 m/s	velocity	9.32		9.61	9.46	96.0	9.32	9.61	

<b>Lawrence, Michael (USA) (1985)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Quarter-Final 4</b> - 2008 USA Olympic Trials (Eugene, OR)						<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	05-Jul-08	time	6.02	10.82	15.58	20.64	20.64	5 / 3		
reaction time		interval		4.80	4.76	5.06		# of strides	10.82	9.82
wind	1.8 m/s	velocity	8.31	10.42	10.50	9.88	9.69		9.24	10.18

<b>Heat 2</b> - 2008 USA Olympic Trials (Eugene, OR)		<i>USATF Women's Sprint Development with HPC (2008)</i>								
date	04-Jul-08	time	6.09	10.84	15.61	20.71	20.71	6 / 2		
reaction time		interval		4.75	4.77	5.10		# of strides	10.84	9.87
wind	0.8 m/s	velocity	8.21	10.53	10.48	9.80	9.66	85.5	9.23	10.13

<b>Lemaitre, Christophe (FRA) (1990)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL</b> - 2020 Doha Diamond League (Doha, QAT)						<i>Omega Timing (2020) - diamond league race analysis</i>				
date	25-Sep-20	time	6.1	10.8	15.6	20.68	20.68	5 / 3		
reaction time	0.137	interval		4.70	4.80	5.08		# of strides	10.80	9.88
wind	0.9 m/s	velocity	8.20	10.64	10.42	9.84	9.67	84.0	9.26	10.12

<b>FINAL</b> - 2019 Meeting de Paris (Paris, FRA)		<i>Omega Timing (2019) - diamond league race analysis</i>								
date	24-Aug-19	time	5.9	10.6	15.4	20.40	20.40	7 / 5		
reaction time	0.144	interval		4.7	4.8	5.00		# of strides	10.60	9.80
wind	0.2 m/s	velocity	8.47	10.64	10.42	10.00	9.80	83.0	9.43	10.20

<b>Semi-Final 3</b> - 2017 IAAF World Championships (London, GBR)		<i>Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m</i>								
date	09-Aug-17	time	10.31	15.07	20.16	20.30		8 / 4		
reaction time	0.141	interval		4.76	5.09		# of strides	10.31	9.85	0.46
wind	0.3 m/s	velocity	9.70	10.50	9.82	9.85	82.5	9.70	10.15	

<b>FINAL</b> - 2016 Olympic Games (Rio de Janeiro, BRA)		<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>								
date	18-Aug-16	time	5.83	10.41	15.11	20.12	20.12	7 / 3		
reaction time	0.153	interval		4.58	4.70	5.01		# of strides	10.41	9.71
wind	-0.5 m/s	velocity	8.58	10.92	10.64	9.98	9.94	83.0	9.61	10.30

<b>Semi-Final 1</b> - 2016 Olympic Games (Rio de Janeiro, BRA)		<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>								
date	17-Aug-16	time	5.86	10.44	15.09	20.01	20.01	8 / 2		

reaction time	0.125	interval	4.58	4.65	4.92		# of strides	10.44	9.57	0.87
wind	-0.4 m/s	velocity	8.53	10.92	10.75	10.16	10.00		9.58	10.45

**Heat 8 - 2016 Olympic Games (Rio de Janeiro, BRA)***Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

date	16-Aug-16	time	5.94	10.63	15.34	20.28	20.28	2 / 2		
reaction time		interval	4.69	4.71	4.94			# of strides	10.63	9.65
wind	-1.5 m/s	velocity	8.42	10.66	10.62	10.12	9.86		9.41	10.36

**FINAL - 2013 Great CityGames (Manchester, GBR) (150m straightaway)***Jalava (2013) - www.tilastopaja.org*

date	25-May-13	time	5.76	10.22	14.90	14.90	2 / 1			<b>50-150m</b>
reaction time		interval	4.46	4.68				# of strides	10.22	9.14
wind	-1.0 m/s	velocity	8.68	11.21	10.68	10.07			9.78	10.94

**FINAL - 2012 Olympic Games (London, GBR)***Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016*

date	09-Aug-12	time	10.60	20.19	20.19	2 / 6				
reaction time	0.153	interval	9.59	9.91			# of strides	10.60	9.59	1.01
wind	0.4 m/s	velocity	9.43	10.43	9.91	82.0		9.43	10.43	

**FINAL - 2011 IAAF World Championships (Daegu, KOR)***KSSB (2011) - biomechanical analysis of men's 200m (final)*

date	03-Sep-11	time	5.65	10.24	14.91	19.80	19.80	6 / 3		
reaction time	0.160	interval	4.59	4.67	4.89	<b>NR</b>		# of strides	10.24	9.56
wind	0.8 m/s	velocity	8.85	10.89	10.71	10.22	10.10	80.0	9.77	10.46

**Lennon-Ford, Luke (GBR) (1989)****50m 100m 150m 200m Official Time Lane / Place****0-100m 100-200m Differential****FINAL - 2012 Great CityGames (Manchester, GBR) (200m straightaway)***Jalava (2012) - www.tilastopaja.org*

date	20-May-12	time	10.72	20.99	20.99	1 / 4				
reaction time		interval	10.27	9.53			# of strides	10.72	10.27	0.45
wind	0.2 m/s	velocity	9.33	4.76	9.53			9.33	9.74	

**Lesser, Alexander (SWE) (1993)****50m 100m 150m 200m Official Time Lane / Place****0-100m 100-200m Differential****B FINAL - 2015 Windsprint (Sundsvall, SWE)***(2015) - www.windsprint/Splittider/*

date	26-Jul-15	time	11.29	21.71	21.71	2 / 1				
reaction time		interval	10.42	9.21			# of strides	11.29	10.42	0.87
wind	0.4 m/s	velocity	8.86	9.60	9.21			8.86	9.60	

**D FINAL - 2014 Windsprint (Sundsvall, SWE)***Johansen (2014) - www.ssg.se/windsprint/Splittider/*

date	20-Jul-14	time	11.47	22.18	22.18	5 / 2				
reaction time		interval	10.71	9.02			# of strides	11.47	10.71	0.76
wind	2.5 m/s	velocity	8.72	9.34	9.02			8.72	9.34	

**Lestrade, Bradley (SUI) (2001)****50m 100m 150m 200m Official Time Lane / Place****0-100m 100-200m Differential****B Race - 2021 Athletissima (Lausanne, SUI)***Omega Timing (2021) - diamond league race analysis*

date	26-Aug-21	time	6.1	10.8	15.7	21.04	21.04	6 / 1		
reaction time	0.180	interval	4.70	4.90	5.34			# of strides	10.80	10.24
wind	3.0 m/s	velocity	8.20	10.64	10.20	9.36	9.51		9.26	9.77

**Leunissen, Ken (NED) (1998)****50m 100m 150m 200m Official Time Lane / Place****0-100m 100-200m Differential****National FINAL - 2024 FBK Games (Hengelo, NED)***Omega Timing (2024) - continental tour gold race analysis*

date	07-Jul-24	time	6.16	11.15	16.50	22.20	22.20	1 / 8		
reaction time	0.154	interval	4.99	5.35	5.70			# of strides	11.15	11.05
wind	-0.3 m/s	velocity	8.12	10.02	9.35	8.77	9.01		8.97	9.05

**Levell, Bryan (JAM) (2003)****50m 100m 150m Official Time Lane / Place****0-100m 100-200m Differential****Semi-Final 1 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympc Games - Results Book (2024)*

date	07-Aug-24	time	5.95	10.65	15.61	20.93	20.93	2 / 8		
reaction time	0.155	interval	4.70	4.96	5.32			# of strides	10.65	10.28
wind	-0.1 m/s	velocity	8.40	10.64	10.08	9.40	9.56	90.0	9.39	9.73

**Repechage 2 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympc Games - Results Book (2024)*

date	06-Aug-24	time	5.83	10.45	15.31	20.47	20.47	5 / 2		
reaction time	0.149	interval	4.62	4.86	5.16			# of strides	10.45	10.02
wind	0.6 m/s	velocity	8.58	10.82	10.29	9.69	9.77	90.2	9.57	9.98

**Heat 6 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympc Games - Results Book (2024)*

date	05-Aug-24	time	5.77	10.37	15.25	20.47	20.47	5 / 4		
reaction time	0.152	interval	4.60	4.88	5.22			# of strides	10.37	10.10

wind	0.1 m/s	velocity	8.67	10.87	10.25	9.58	9.77	89.0	9.64	9.90
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**Lewis, Brian (USA) (1974)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Semi-Final 2</b> - 2000 USA Olympic Trials (Sacramento, CA)									
date	23-Jul-00	time	10.4	20.26	20.26	1 / 3			
reaction time		interval		9.86		# of strides	10.40	9.86	0.54
wind	1.1 m/s	velocity	9.62	10.14	9.87		9.62	10.14	

*Hymans (2020) - history of the US olympic trials - track and field***Lewis, Carl (USA) (1961)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 1996 USA Olympic Trials (Atlanta, GA)									
date	23-Jun-96	time	10.72	15.44	20.20	20.20	1 / 5		
reaction time		interval		4.72	4.76		# of strides	10.72	9.48
wind	1.7 m/s	velocity	9.33	10.59	10.50	9.90		9.33	10.55

*USATF Women's Sprint Development (1996)***Semi-Final 2** - 1996 USA Olympic Trials (Atlanta, GA)

date	23-Jun-96	time	10.46	15.19	20.29	20.29	5 / 3		
reaction time		interval		4.73	5.10		# of strides	10.46	9.83
wind	-0.3 m/s	velocity	9.56	10.57	9.80	9.86		9.56	10.17

*USATF Women's Sprint Development (1996)***Quarter-Final 3** - 1996 USA Olympic Trials (Atlanta, GA)

date	22-Jun-96	time	10.42		20.29	20.29	1 / 2		
reaction time		interval			9.87		# of strides	10.42	9.87
wind	0.7 m/s	velocity	9.60		10.13	9.86		9.60	10.13

*Hymans (2020) - history of the US olympic trials - track and field***Heat 1** - 1996 USA Olympic Trials (Atlanta, GA)

date	21-Jun-96	time	10.38		20.30	20.30	1 / 2		
reaction time		interval			9.92		# of strides	10.38	9.92
wind	1.1 m/s	velocity	9.63		10.08	9.85		9.63	10.08

*Hymans (2020) - history of the US olympic trials - track and field***FINAL** - 1993 IAAF World Championships (Stuttgart, GER)

date	20-Aug-93	time	10.31		19.99	19.99	7 / 3		
reaction time		interval			9.68		# of strides	10.31	9.68
wind	0.3 m/s	velocity	9.70		10.33	10.01	84.7	9.70	10.33

*Busemann (2001) - der deutsche sprint! Oder: warum laufen andere schneller?***FINAL** - 1988 Olympic Games (Seoul, KOR)

date	28-Sep-88	time	5.76	10.31	14.97	19.79	19.79	3 / 2	
reaction time	0.116	interval		4.55	4.66	4.82		# of strides	10.31
wind	1.7 m/s	velocity	8.68	10.99	10.73	10.37	10.11	84.4	9.70

*Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988***Semi-Final 1** - 1988 Olympic Games (Seoul, KOR)

date	28-Sep-88	time	5.95	10.53	15.25	20.23	20.23	4 / 1	
reaction time	0.219	interval		4.58	4.72	4.98		# of strides	10.53
wind	1.5 m/s	velocity	8.40	10.92	10.59	10.04	9.89		9.50

*Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988***FINAL** - 1988 USA Olympic Trials (Indianapolis, IN)

date	20-Jul-88	time	10.3		20.01	20.01	6 / 2		
reaction time		interval			9.71		# of strides	10.30	9.71
wind	1.0 m/s	velocity	9.71		10.30	10.00		9.71	10.30

*Hymans (2008) - history of the US olympic trials - track and field***FINAL** - 1984 Olympic Games (Los Angeles, CA)

date	08-Aug-84	time	10.23		19.80	19.80	7 / 1		
reaction time	0.177	interval			9.57	<b>OR</b>	# of strides	10.23	9.57
wind	-0.9 m/s	velocity	9.78		10.45	10.10	84.0	9.78	10.45

*Vogel (1984) - olympische spiele in los angeles***FINAL** - 1984 USA Olympic Trials (Los Angeles, CA)

date	21-Jun-84	time	10.23		19.86	19.86	5 / 1		
reaction time		interval			9.63		# of strides	10.23	9.63
wind	-0.2 m/s	velocity	9.78		10.38	10.07		9.78	10.38

*Hymans (2008) - history of the US olympic trials - track and field***Semi-Final 1** - 1984 USA Olympic Trials (Los Angeles, CA)

date	21-Jun-84	time	10.25		20.09	20.09	1 / 1		
reaction time		interval			9.84		# of strides	10.25	9.84
wind	-1.3 m/s	velocity	9.76		10.16	9.96		9.76	10.16

*Hymans (2020) - history of the US olympic trials - track and field***Liang Jinsheng (CHN) (1996)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2019 Chinese World Championships Trials (Shenyang, CHN)									

*Jiang (2019) - data analysis men's sprint finals the world championships trials*

date	03-Aug-19	time	6.00	10.58	15.50	20.66	20.66	5 / 2			
reaction time		interval		4.58	4.92	5.16		# of strides	10.58	10.08	0.50
wind	0.0 m/s	velocity	8.33	10.92	10.16	9.69	9.68		9.45	9.92	

**FINAL** - 2017 National Games (Tianjin, CHN)*Jiang (2017.09.05) - <https://twitter.com/pjvazel>*

date	05-Sep-17	time		10.51		20.74	20.74	/ 2			
reaction time		interval				10.23		# of strides	10.51	10.23	0.28
wind	-0.2 m/s	velocity		9.51		9.78	9.64		9.51	9.78	

**Lid, Sondre Nyvold (NOR) (1994)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>F FINAL</b> - 2014 Windsprint (Sundsvall, SWE) <i>Johansen (2014) - <a href="http://www.ssg.se/windsprint/Splittider/">www.ssg.se/windsprint/Splittider/</a></i>										
date	20-Jul-14	time	11.24		21.83	21.83	6 / 1			
reaction time		interval			10.59		# of strides	11.24	10.59	0.65
wind	1.2 m/s	velocity	8.90		9.44	9.16		8.90	9.44	

**C FINAL** - 2012 Windsprint (Sundsvall, SWE)*(2012) - [www.elitlandslag.se/SprintHäck/KortSprint.aspx](http://www.elitlandslag.se/SprintHäck/KortSprint.aspx)*

date	17-Jun-12	time	11.25		21.75	21.75	/ 1			
reaction time		interval			10.50		# of strides	11.25	10.50	0.75
wind	0.9 m/s	velocity	8.89		4.60	9.20		8.89	9.52	

**Lilja, Johan (SWE) (1995)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>C FINAL</b> - 2014 Windsprint (Sundsvall, SWE) <i>Johansen (2014) - <a href="http://www.ssg.se/windsprint/Splittider/">www.ssg.se/windsprint/Splittider/</a></i>										
date	20-Jul-14	time	10.98		21.60	21.60	2 / 2			
reaction time		interval			10.62	<b>PB</b>	# of strides	10.98	10.62	0.36
wind	1.5 m/s	velocity	9.11		9.42	9.26		9.11	9.42	

**E FINAL** - 2012 Windsprint (Sundsvall, SWE)*(2012) - [www.elitlandslag.se/SprintHäck/KortSprint.aspx](http://www.elitlandslag.se/SprintHäck/KortSprint.aspx)*

date	17-Jun-12	time	11.42		22.44	22.44	/ 1			
reaction time		interval			11.02		# of strides	11.42	11.02	0.40
wind	0.7 m/s	velocity	8.76		4.46	8.91		8.76	9.07	

**Lima, David (POR) (1990)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Semi-Final 1</b> - 2017 IAAF World Championships (London, GBR) <i>Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m</i>										
date	09-Aug-17	time	10.53	15.34	20.40	20.56	2 / 4			
reaction time	0.158	interval		4.81	5.06		# of strides	10.53	9.87	0.66
wind	2.1 m/s	velocity	9.50	10.40	9.88	9.73	89.0	9.50	10.13	

**Lin Qibang (CHN) (1997)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2017 National Games (Tianjin, CHN) <i>Jiang (2017.09.05) - <a href="https://twitter.com/pjvazel">https://twitter.com/pjvazel</a></i>										
date	05-Sep-17	time	10.76		20.93	20.93	/ 6			
reaction time		interval			10.17	<b>PB</b>	# of strides	10.76	10.17	0.59
wind	-0.2 m/s	velocity	9.29		9.83	9.56		9.29	9.83	

**Lindsey, Courtney (USA) (1998)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL</b> - 2024 Memorial van damme (Brussels, BEL) <i>Omega Timing (2024) - <a href="#">diamond league race analysis</a></i>											
date	14-Sep-24	time	5.88	10.43	15.13	20.21	20.21	4 / 4			
reaction time	0.173	interval		4.55	4.70	5.08		# of strides	10.43	9.78	0.65
wind	0.7 m/s	velocity	8.50	10.99	10.64	9.84	9.90	91.0	9.59	10.22	

**FINAL** - 2024 Weltklasse (Zürich, SUI)*Omega Timing (2024) - [diamond league race analysis](#)*

date	05-Sep-24	time	5.76	10.26	15.00	20.17	20.17	3 / 6			
reaction time	0.184	interval		4.50	4.74	5.17		# of strides	10.26	9.91	0.35
wind	0.4 m/s	velocity	8.68	11.11	10.55	9.67	9.92	91.2	9.75	10.09	

**FINAL** - 2024 USA Olympic Trials (Eugene, OR)*USATF and Karmarush (2024) - [USA Olympic trials results and race analysis](#)*

date	29-Jun-24	time	5.83	10.37	15.14	20.00	20.00	4 / 6			
reaction time		interval		4.54	4.77	4.86		# of strides	10.37	9.63	0.74
wind	0.5 m/s	velocity	8.58	11.01	10.48	10.29	10.00	91.0	9.64	10.38	

**Semi-Final 2** - 2024 USA Olympic Trials (Eugene, OR)*USATF and Karmarush (2024) - [USA Olympic trials results and race analysis](#)*

date	28-Jun-24	time	5.89	10.48	15.13	20.05	20.05	7 / 2			
reaction time		interval		4.59	4.65	4.92		# of strides	10.48	9.57	0.91
wind	0.7 m/s	velocity	8.49	10.89	10.75	10.16	9.98	90.0	9.54	10.45	

**Heat 1** - 2024 USA Olympic Trials (Eugene, OR)*USATF and Karmarush (2024) - [USA Olympic trials results and race analysis](#)*

date	27-Jun-24	time	5.82	10.53	15.17	20.28	20.28	8 / 1		
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reaction time	interval	4.71	4.64	5.11		# of strides	10.53	9.75	0.78
wind	0.3 m/s	velocity	8.59	10.62	10.78	9.78	9.86	9.50	10.26

**FINAL - 2024 Prefontaine Classic (Eugene, OR)***Omega Timing (2024) - diamond league race analysis*

date	25-May-24	time	5.84	10.36	15.06	20.09	20.09	6 / 2	
reaction time	0.155	interval	4.52	4.70	5.03			# of strides	10.36
wind	1.8 m/s	velocity	8.56	11.06	10.64	9.94	9.96	90.7	9.65
									10.28

**FINAL - 2024 Seashore Doha Meeting (Doha, QAT)***Omega Timing (2024) - diamond league race analysis*

date	10-May-24	time	5.75	10.31	15.00	20.01	20.01	6 / 2	
reaction time	0.154	interval	4.56	4.69	5.01			# of strides	10.31
wind	1.7 m/s	velocity	8.70	10.96	10.66	9.98	10.00	90.0	9.70
									10.31

**Semi-Final 2 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	24-Aug-23	time	10.49	20.22	20.22			5 / 4-3	
reaction time	0.180	interval		9.73				# of strides	10.49
wind	0.0 m/s	velocity	9.53	10.28	9.89			89.5	9.53
									10.28

**Heat 5 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time	10.54	20.39	20.39			7 / 2	
reaction time	0.153	interval		9.85				# of strides	10.54
wind	-0.2 m/s	velocity	9.49	10.15	9.81			88.0	9.49
									10.15

**Little, Kevin (USA) (1968)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2001 IAAF World Championships (Edmonton, CAN)***Butler (2013) - IAAF world championships statistics handbook- moscow 2013*

date	09-Aug-01	time	10.1	20.25	20.25			6 / 7	
reaction time	0.134	interval		10.15				# of strides	10.10
wind	0.2 m/s	velocity	9.90	9.85	9.88			91.5	9.90
									9.85

**FINAL - 1999 IAAF World Championships (Sevilla, ESP)***Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999*

date	27-Aug-99	time	5.84	10.35	15.17	20.37	20.37	8 / 6	
reaction time	0.159	interval	4.51	4.82	5.20			# of strides	10.35
wind	1.2 m/s	velocity	8.56	11.09	10.37	9.62	9.82		9.66
									10.02

**FINAL - 1996 USA Olympic Trials (Atlanta, GA)***USATF Women's Sprint Development (1996)*

date	23-Jun-96	time	10.72	15.48	20.39	20.39		7 / 8	
reaction time		interval		4.76	4.91			# of strides	10.72
wind	1.7 m/s	velocity	9.33	10.50	10.18	9.81			9.33
									9.67

**Semi-Final 1 - 1996 USA Olympic Trials (Atlanta, GA)***USATF Women's Sprint Development (1996)*

date	23-Jun-96	time	10.28	14.94	20.09	20.09		5 / 3	
reaction time		interval		4.66	5.15			# of strides	10.28
wind	2.7 m/s	velocity	9.73	10.73	9.71	9.96			9.73
									10.19

**Quarter-Final 1 - 1996 USA Olympic Trials (Atlanta, GA)***Hymans (2020) - history of the US olympic trials - track and field*

date	22-Jun-96	time	10.43	20.35	20.35			1 / 2	
reaction time		interval		9.92				# of strides	10.43
wind	2.4 m/s	velocity	9.59	10.08	9.83				9.59
									10.08

**Heat 4 - 1996 USA Olympic Trials (Atlanta, GA)***Hymans (2020) - history of the US olympic trials - track and field*

date	21-Jun-96	time	10.45	20.44	20.44			1 / 2	
reaction time		interval		9.99				# of strides	10.45
wind	0.9 m/s	velocity	9.57	10.01	9.78				9.57
									10.01

**Lobatlamang, Kevin (BOT) (2003)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****National FINAL - 2024 FBK Games (Hengelo, NED)***Omega Timing (2024) - continental tour gold race analysis*

date	07-Jul-24	time	6.19	11.07	16.14	21.70	21.70	5 / 5	
reaction time	0.166	interval	4.88	5.07	5.56			# of strides	11.07
wind	-0.3 m/s	velocity	8.08	10.25	9.86	8.99	9.22		9.03
									9.41

**Löhrer, Daniel (SUI) (1998)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****B Race - 2021 Athletissima (Lausanne, SUI)***Omega Timing (2021) - diamond league race analysis*

date	26-Aug-21	time	6.1	10.9	15.9	21.06	21.06	5 / 2	
reaction time	0.143	interval	4.80	5.00	5.16			# of strides	10.90
wind	3.0 m/s	velocity	8.20	10.42	10.00	9.69	9.50		9.17
									9.84

**Lübke, Ralf (FRG) (1965)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**



<b>Semi-Final 1</b> - 1988 Olympic Games (Seoul, KOR) <i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>											
date	28-Sep-88	time	6.22	11.06	16.05	21.23	21.23	7 / 8			
reaction time	0.258	interval		4.84	4.99	5.18		# of strides	11.06	10.17	0.89
wind	1.5 m/s	velocity	8.04	10.33	10.02	9.65	9.42		9.04	9.83	

<b>FINAL</b> - 1984 Olympic Games (Los Angeles, CA) <i>Vogel (1984) - olympische spiele in los angeles</i>											
date	08-Aug-84	time		10.72	20.51	20.51	6 / 5				
reaction time	0.191	interval			9.79			# of strides	10.72	9.79	0.93
wind	-0.9 m/s	velocity	9.33		10.21	9.75			9.33	10.21	

<b>Luo Wenyi (CHN) (1998)</b>											
<b>FINAL</b> - 2019 Chinese World Championships Trials (Shenyang, CHN) <i>Jiang (2019) - data analysis men's sprint finals the world championships trials</i>											
date	03-Aug-19	time	5.98	10.61	15.60	20.99	20.99	7 / 4			
reaction time		interval		4.63	4.99	5.39		# of strides	10.61	10.38	0.23
wind	0.0 m/s	velocity	8.36	10.80	10.02	9.28	9.53		9.43	9.63	

<b>Lyles, Josephus (USA) (1998)</b>											
<b>Semi-Final 3</b> - 2024 USA Olympic Trials (Eugene, OR) <i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>											
date	28-Jun-24	time	5.87	10.55	15.37	20.37	20.37	4 / 4			
reaction time		interval		4.68	4.82	5.00		# of strides	10.55	9.82	0.73
wind	2.5 m/s	velocity	8.52	10.68	10.37	10.00	9.82	85.2	9.48	10.18	

<b>Heat 1</b> - 2024 USA Olympic Trials (Eugene, OR) <i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>											
date	27-Jun-24	time	5.89	10.56	15.37	20.44	20.44	7 / 4			
reaction time		interval		4.67	4.81	5.07		# of strides	10.56	9.88	0.68
wind	0.3 m/s	velocity	8.49	10.71	10.40	9.86	9.78		9.47	10.12	

<b>FINAL</b> - 2022 Herculis Meeting International d'Athlétisme (Monaco, MON) <i>Omega Timing (2022) - diamond league race analysis</i>											
date	10-Aug-22	time	5.78	10.34	15.15	20.26	20.26	2 / 6			
reaction time	0.198	interval		4.56	4.81	5.11		# of strides	10.34	9.92	0.42
wind	0.8 m/s	velocity	8.65	10.96	10.40	9.78	9.87	85.0	9.67	10.08	

<b>FINAL</b> - 2021 Weltklasse (Zürich, SUI) <i>Omega Timing (2021) - diamond league race analysis</i>											
date	09-Sep-21	time	5.8	10.3	15.1	20.13	20.13	4 / 5			
reaction time	0.182	interval		4.50	4.80	5.03		# of strides	10.30	9.83	0.47
wind	0.5 m/s	velocity	8.62	11.11	10.42	9.94	9.94	83.7	9.71	10.17	

<b>FINAL</b> - 2021 Prefontaine Classic (Eugene, OR) <i>Omega Timing (2021) - diamond league race analysis</i>											
date	21-Aug-21	time	5.9	10.5	15.1	20.03	20.03	8 / 3			
reaction time	0.155	interval		4.60	4.60	4.93	<b>PB</b>	# of strides	10.50	9.53	0.97
wind	1.5 m/s	velocity	8.47	10.87	10.87	10.14	9.99	82.2	9.52	10.49	

<b>Lyles, Noah (USA) (1997)</b>											
<b>FINAL</b> - 2024 Olympic Games (Paris, FRA) <i>Paris 2024 Olympc Games - Results Book (2024)</i>											
date	08-Aug-24	time	5.73	10.18	14.78	19.70	19.70	5 / 3			
reaction time	0.173	interval		4.45	4.60	4.92		# of strides	10.18	9.52	0.66
wind	0.4 m/s	velocity	8.73	11.24	10.87	10.16	10.15	85.2	9.82	10.50	

<b>Semi-Final 2</b> - 2024 Olympic Games (Paris, FRA) <i>Paris 2024 Olympc Games - Results Book (2024)</i>											
date	07-Aug-24	time	5.87	10.41	15.14	20.08	20.08	6 / 2			
reaction time	0.191	interval		4.54	4.73	4.94		# of strides	10.41	9.67	0.74
wind	-0.2 m/s	velocity	8.52	11.01	10.57	10.12	9.96	86.2	9.61	10.34	

<b>Heat 6</b> - 2024 Olympic Games (Paris, FRA) <i>Paris 2024 Olympc Games - Results Book (2024)</i>											
date	05-Aug-24	time	5.90	10.45	15.13	20.19	20.19	6 / 1			
reaction time	0.164	interval		4.55	4.68	5.06		# of strides	10.45	9.74	0.71
wind	0.1 m/s	velocity	8.47	10.99	10.68	9.88	9.91	84.2	9.57	10.27	

<b>FINAL</b> - 2024 USA Olympic Trials (Eugene, OR) <i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>											
date	29-Jun-24	time	5.82	10.31	14.89	19.53	19.53	6 / 1			
reaction time		interval		4.49	4.58	4.64		# of strides	10.31	9.22	1.09
wind	0.5 m/s	velocity	8.59	11.14	10.92	10.78	10.24	85.0	9.70	10.85	

<b>Semi-Final 3</b> - 2024 USA Olympic Trials (Eugene, OR) <i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>											
date	28-Jun-24	time	5.70	10.22	14.75	19.60	19.60	7 / 1			
reaction time		interval		4.52	4.53	4.85		# of strides	10.22	9.38	0.84

wind	2.5 m/s	velocity	8.77	11.06	11.04	10.31	10.20	84.0	9.78	10.66	
<b>Heat 2 - 2024 USA Olympic Trials (Eugene, OR)</b>			<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>								
date	27-Jun-24	time	5.83	10.43	15.16	20.10	20.10	7 / 1			
reaction time		interval		4.60	4.73	4.94		# of strides	10.43	9.67	0.76
wind	0.0 m/s	velocity	8.58	10.87	10.57	10.12	9.95	84.2	9.59	10.34	
<b>FINAL - 2023 Weltklasse (Zürich, SUI)</b>			<i>Omega Timing (2023) - diamond league race analysis</i>								
date	31-Aug-23	time	5.76	10.20	14.86	19.80	19.80	6 / 1			
reaction time	0.164	interval		4.44	4.66	4.94		# of strides	10.20	9.60	0.60
wind	-0.5 m/s	velocity	8.68	11.26	10.73	10.12	10.10	85.0	9.80	10.42	
<b>FINAL - 2023 World Athletics Championships (Budapest, HUN)</b>			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	25-Aug-23	time		10.26		19.52	19.52	6 / 1			
reaction time	0.144	interval				9.26		# of strides	10.26	9.26	1.00
wind	-0.2 m/s	velocity		9.75		10.80	10.25	84.0	9.75	10.80	
<b>Semi-Final 1 - 2023 World Athletics Championships (Budapest, HUN)</b>			<i>Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC</i>								
date	24-Aug-23	time	5.75	10.22	14.85	19.76	19.76	8 / 1			
reaction time	0.152	interval		4.47	4.63	4.91		# of strides	10.22	9.54	0.68
wind	-0.1 m/s	velocity	8.70	11.19	10.80	10.18	10.12	185.0	9.78	10.48	
<b>Heat 2 - 2023 World Athletics Championships (Budapest, HUN)</b>			<i>Seiko Timing (2023) - world championship race analysis</i>								
date	23-Aug-23	time		10.47		20.05	20.05	8 / 1			
reaction time	0.173	interval				9.58		# of strides	10.47	9.58	0.89
wind	-0.1 m/s	velocity		9.55		10.44	9.98	83.7	9.55	10.44	
<b>FINAL - 2023 London Athletics Meet (London, GBR)</b>			<i>Omega Timing (2023) - diamond league race analysis</i>								
date	23-Jul-23	time	5.77	10.19	14.70	19.47	19.47	6 / 1			
reaction time	0.157	interval		4.42	4.51	4.77		# of strides	10.19	9.28	0.91
wind	1.6 m/s	velocity	8.67	11.31	11.09	10.48	10.27	84.0	9.81	10.78	
<b>FINAL - 2022 Weltklasse (Zürich, SUI)</b>			<i>Omega Timing (2022) - diamond league race analysis</i>								
date	08-Sep-22	time	5.72	10.13	14.71	19.52	19.52	6 / 1			
reaction time	0.164	interval		4.41	4.58	4.81		# of strides	10.13	9.39	0.74
wind	-0.6 m/s	velocity	8.74	11.34	10.92	10.40	10.25	85.7	9.87	10.65	
<b>FINAL - 2022 Athletissima (Lausanne, SUI)</b>			<i>Omega Timing (2022) - diamond league race analysis</i>								
date	26-Aug-22	time	5.76	10.15	14.70	19.56	19.56	7 / 1			
reaction time	0.182	interval		4.39	4.55	4.86		# of strides	10.15	9.41	0.74
wind	1.3 m/s	velocity	8.68	11.39	10.99	10.29	10.22	85.0	9.85	10.63	
<b>FINAL - 2022 Herculis Meeting International d'Athlétisme (Monaco, MON)</b>			<i>Omega Timing (2022) - diamond league race analysis</i>								
date	10-Aug-22	time	5.74	10.13	14.71	19.46	19.46	7 / 1			
reaction time	0.199	interval		4.39	4.58	4.75		# of strides	10.13	9.33	0.80
wind	0.8 m/s	velocity	8.71	11.39	10.92	10.53	10.28	84.7	9.87	10.72	
<b>FINAL - 2022 World Athletics Championships (Eugene, OR)</b>			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	21-Jul-22	time		10.15		19.31	19.31	6 / 1			
reaction time	0.141	interval				9.16	<b>NR PB</b>	# of strides	10.15	9.16	0.99
wind	0.4 m/s	velocity		9.85		10.92	10.36	85.2	9.85	10.92	
<b>Semi-Final 2 - 2022 World Athletics Championships (Eugene, OR)</b>			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	19-Jul-22	time		10.36		19.62	19.62	5 / 1			
reaction time	0.135	interval				9.26		# of strides	10.36	9.26	1.10
wind	1.1 m/s	velocity		9.65		10.80	10.19	85.0	9.65	10.80	
<b>Heat 7 - 2022 World Athletics Championships (Eugene, OR)</b>			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	18-Jul-22	time		10.50		19.98	19.98	3 / 1			
reaction time	0.189	interval				9.48		# of strides	10.50	9.48	1.02
wind	-0.3 m/s	velocity		9.52		10.55	10.01	85.7	9.52	10.55	
<b>FINAL - 2022 Doha Diamond League (Doha, QAT)</b>			<i>Omega Timing (2022) - diamond league race analysis</i>								
date	13-May-22	time	5.8	10.3	14.9	19.72	19.72	6 / 1			
reaction time	0.157	interval		4.50	4.60	4.82		# of strides	10.30	9.42	0.88
wind	2.1 m/s	velocity	8.62	11.11	10.87	10.37	10.14	87.0	9.71	10.62	
<b>FINAL - 2021 Prefontaine Classic (Eugene, OR)</b>			<i>Omega Timing (2021) - diamond league race analysis</i>								

date	21-Aug-21	time	5.9	10.3	14.8	19.52	19.52	7 / 1			
reaction time	0.147	interval		4.40	4.50	4.72		# of strides	10.30	9.22	1.08
wind	1.5 m/s	velocity	8.47	11.36	11.11	10.59	10.25	86.5	9.71	10.85	

**FINAL - 2019 IAAF World Championships (Doha, QAT)***Takahaski (2019) - race analysis top 200m athletes- domestic and international*

date	01-Oct-19	time	5.83	10.32	14.89	19.83	19.83	5 / 1			
reaction time	0.168	interval		4.49	4.57	4.94		# of strides	10.32	9.51	0.81
wind	0.3 m/s	velocity	8.58	11.14	10.94	10.12	10.09	88.7	9.69	10.52	

**FINAL - 2019 Memorial van Damme (Brussels, BEL)***Omega Timing (2019) - diamond league race analysis*

date	06-Sep-19	time	5.9	10.4	14.9	19.74	19.74	7 / 1			
reaction time	0.167	interval		4.5	4.5	4.84		# of strides	10.40	9.34	1.06
wind	0.8 m/s	velocity	8.47	11.11	11.11	10.33	10.13	85.5	9.62	10.71	

**FINAL - 2019 Meeting de Paris (Paris, FRA)***Omega Timing (2019) - diamond league race analysis*

date	24-Aug-19	time	5.9	10.3	14.8	19.65	19.65	6 / 1			
reaction time	0.166	interval		4.4	4.5	4.85		# of strides	10.30	9.35	0.95
wind	0.2 m/s	velocity	8.47	11.36	11.11	10.31	10.18	86.0	9.71	10.70	

**FINAL - 2019 Athletissima (Lausanne, SUI)***Omega Timing (2019) - diamond league race analysis*

date	05-Jul-19	time	5.8	10.2	14.8	19.50	19.50	7 / 1			
reaction time	0.147	interval		4.4	4.6	4.70	<b>PB</b>	# of strides	10.20	9.30	0.90
wind	-0.1 m/s	velocity	8.62	11.36	10.87	10.64	10.26	85.2	9.80	10.75	

**FINAL - 2016 USA Olympic Trials (Eugene, OR)***Hymans (2020) - history of the US olympic trials - track and field*

date	09-Jul-16	time		10.5		20.09	20.09	4 / 4			
reaction time	0.165	interval				9.59	<b>AJR PB</b>	# of strides	10.50	9.59	0.91
wind	1.6 m/s	velocity		9.52		10.43	9.96	86.7	9.52	10.43	

**Lysne Torbjørn (NOR) (1990)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**B FINAL - 2015 Windsprint (Sundsvall, SWE)***(2015) - www.windsprint/Splittider/*

date	26-Jul-15	time		11.43		21.91	21.91	4 / 2			
reaction time		interval				10.48		# of strides	11.43	10.48	0.95
wind	0.4 m/s	velocity		8.75		9.54	9.13		8.75	9.54	

**D FINAL - 2012 Windsprint (Sundsvall, SWE)***(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx*

date	17-Jun-12	time		11.28		21.79	21.79	/ 1			
reaction time		interval				10.51		# of strides	11.28	10.51	0.77
wind	0.0 m/s	velocity		8.87		4.59	9.18		8.87	9.51	

**Maaroufou, Hachim (COM) (1997)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Heat 4 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	18-Jul-22	time		10.79		20.91	20.91	5 / 6			
reaction time	0.157	interval				10.12		# of strides	10.79	10.12	0.67
wind	0.5 m/s	velocity		9.27		9.88	9.56	85.7	9.27	9.88	

**Macik, Ondřej (CZE) (2001)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Repechage 1 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympic Games - Results Book (2024)*

date	06-Aug-24	time		6.11		10.89	10.89	4 / 5				
reaction time	0.145	interval				4.78	4.96	5.29	# of strides	10.89	10.25	0.64
wind	1.0 m/s	velocity		8.18		10.46	10.08	9.45	9.46	90.0	9.18	9.76

**Heat 4 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympic Games - Results Book (2024)*

date	05-Aug-24	time		6.04		10.76	10.76	6 / 6				
reaction time	0.159	interval				4.72	4.93	5.35	# of strides	10.76	10.28	0.48
wind	0.2 m/s	velocity		8.28		10.59	10.14	9.35	9.51	90.0	9.29	9.73

**Semi-Final 1 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	24-Aug-23	time		10.66		20.71	20.71	5 / 8			
reaction time	0.137	interval				10.05		# of strides	10.66	10.05	0.61
wind	-0.1 m/s	velocity		9.38		9.95	9.66	191.0	9.38	9.95	

**Heat 2 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time		10.64		20.40	20.40	9 / 3			
reaction time	0.149	interval				9.76		# of strides	10.64	9.76	0.88
wind	-0.1 m/s	velocity		9.40		10.25	9.80	90.0	9.40	10.25	

<b>Mafe, Ade (GBR) (1966)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 1984 Olympic Games (Los Angeles, CA)		<i>Vogel (1984) - olympische spiele in los angeles</i>								
date	08-Aug-84	time	10.69		20.85	20.85	1 / 8			
reaction time	0.195	interval			10.16		# of strides	10.69	10.16	0.53
wind	-0.9 m/s	velocity	9.35		9.84	9.59		9.35	9.84	

<b>Magakwe, Simon (RSA) (1985)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>B FINAL</b> - 2013 Windsprint (Sundsvall, SWE)		<i>(2013) - www.ssg.se/windsprint/Splittider/</i>								
date	28-Jul-13	time	10.86	15.70	20.93	20.93	6 / 3			
reaction time		interval		4.84	5.23		# of strides	10.86	10.07	0.79
wind	3.1 m/s	velocity	9.21	10.33	9.56	9.56		9.21	9.93	

<b>Maganga Gorra, Guy (GAB) (1993)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Heat 6</b> - 2023 World Athletics Championships (Budapest, HUN)		<i>Seiko Timing (2023) - world championship race analysis</i>								
date	23-Aug-23	time	10.92		21.04	21.04	2 / 7			
reaction time	0.178	interval			10.12		# of strides	10.92	10.12	0.80
wind	-0.5 m/s	velocity	9.16		9.88	9.51	88.7	9.16	9.88	

<b>Semi-Final 2</b> - 2022 World Athletics Championships (Eugene, OR)		<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	19-Jul-22	time	10.79		20.65	20.65	8 / 8			
reaction time	0.165	interval			9.86		# of strides	10.79	9.86	0.93
wind	1.1 m/s	velocity	9.27		10.14	9.69	86.5	9.27	10.14	

<b>Heat 6</b> - 2022 World Athletics Championships (Eugene, OR)		<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	18-Jul-22	time	10.65		20.44	20.44	8 / 2			
reaction time	0.150	interval			9.79	<b>NR PB</b>	# of strides	10.65	9.79	0.86
wind	1.0 m/s	velocity	9.39		10.21	9.78	89.0	9.39	10.21	

<b>Mahara, Koshiro (JPN)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2023 Japanese National High School Championships (Sapporo, JPN)		<i>Takashima (2023) - national high school sports festival - biomechanics data</i>								
date	05-Aug-23	time	6.04	11.09	16.04	21.16	21.16	6 / 5		
reaction time	0.198	interval		5.05	4.95	5.12		# of strides	11.09	10.07
wind	2.9 m/s	velocity	8.28	9.90	10.10	9.77	9.45		9.02	9.93

<b>Mahorn, Atlee (CAN) (1965)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 1991 IAAF World Championships (Tokyo, JPN)		<i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>								
date	27-Aug-91	time	10.45		20.49	20.49	5 / 3			
reaction time		interval			10.04		# of strides	10.45	10.04	0.41
wind	-3.4 m/s	velocity	9.57		9.96	9.76	86.0	9.57	9.96	

<b>FINAL</b> - 1988 Olympic Games (Seoul, KOR)		<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>								
date	28-Sep-88	time	5.88	10.60	15.35	20.39	20.39	2 / 5		
reaction time	0.159	interval		4.72	4.75	5.04		# of strides	10.60	9.79
wind	1.7 m/s	velocity	8.50	10.59	10.53	9.92	9.81	85.0	9.43	10.21

<b>Semi-Final 1</b> - 1988 Olympic Games (Seoul, KOR)		<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>								
date	28-Sep-88	time	5.93	10.55	15.35	20.43	20.43	6 / 3		
reaction time	0.250	interval		4.62	4.80	5.08		# of strides	10.55	9.88
wind	1.5 m/s	velocity	8.43	10.82	10.42	9.84	9.79		9.48	10.12

<b>FINAL</b> - 1987 IAAF World Championships (Rome, ITA)		<i>Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)</i>								
date	03-Sep-87	time	10.85		20.78	20.78	1 / 8			
reaction time		interval			9.93		# of strides	10.85	9.93	0.92
wind	-0.4 m/s	velocity	9.22		10.07	9.62	84.0	9.22	10.07	

<b>Makarawu, Tapiwanashe (ZIM) (2000)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2024 Olympic Games (Paris, FRA)		<i>Paris 2024 Olympc Games - Results Book (2024)</i>								
date	08-Aug-24	time	5.82	10.39	15.11	20.10	20.10	2 / 6		
reaction time	0.137	interval		4.57	4.72	4.99		# of strides	10.39	9.71
wind	0.4 m/s	velocity	8.59	10.94	10.59	10.02	9.95	86.0	9.62	10.30

<b>Semi-Final 3</b> - 2024 Olympic Games (Paris, FRA)		<i>Paris 2024 Olympc Games - Results Book (2024)</i>								
date	07-Aug-24	time	5.80	10.32	15.05	20.16	20.16	7 / 3		
reaction time	0.139	interval		4.52	4.73	5.11		# of strides	10.32	9.84
wind	-0.6 m/s	velocity	8.62	11.06	10.57	9.78	9.92	87.0	9.69	10.16

<b>Heat 5</b> - 2024 Olympic Games (Paris, FRA)		<i>Paris 2024 Olympc Games - Results Book (2024)</i>								
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date	05-Aug-24	time	5.81	10.36	15.07	20.07	20.07	3 / 2			
reaction time	0.157	interval		4.55	4.71	5.00		# of strides	10.36	9.71	0.65
wind	0.2 m/s	velocity	8.61	10.99	10.62	10.00	9.97	86.0	9.65	10.30	

**Heat 2 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time	10.77			20.64	20.64	3 / 4			
reaction time	0.188	interval				9.87		# of strides	10.77	9.87	0.90
wind	-0.1 m/s	velocity	9.29			10.13	9.69	87.2	9.29	10.13	

**Makwala, Isaac (BOT) (1986)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)***Omega Timing (2022) - diamond league race analysis*

date	05-Jun-22	time	6.04	10.81	15.71	20.87	20.87	4 / 6			
reaction time	0.192	interval		4.77	4.90	5.16		# of strides	10.81	10.06	0.75
wind	2.0 m/s	velocity	8.28	10.48	10.20	9.69	9.58	90.0	9.25	9.94	

**FINAL - 2021 Weltklasse (Zürich, SUI)***Omega Timing (2021) - diamond league race analysis*

date	09-Sep-21	time	5.9	10.5	15.3	20.31	20.31	3 / 6			
reaction time	0.167	interval		4.60	4.80	5.01		# of strides	10.50	9.81	0.69
wind	0.5 m/s	velocity	8.47	10.87	10.42	9.98	9.85	88.7	9.52	10.19	

**FINAL - 2021 Bislett Games (Oslo, NOR)***Omega Timing (2021) - diamond league race analysis*

date	01-Jul-21	time	6.0	10.6	15.4	20.61	20.61	5 / 3			
reaction time	0.175	interval		4.60	4.80	5.21		# of strides	10.60	10.01	0.59
wind	-1.0 m/s	velocity	8.33	10.87	10.42	9.60	9.70	91.0	9.43	9.99	

**FINAL - 2018 Seiko Golden Grand Prix (Osaka, JPN)***Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018*

date	20-May-18	time	5.86	10.37	15.07	19.96	19.96	7 / 1			
reaction time	0.198	interval		4.51	4.70	4.89		# of strides	10.37	9.59	0.78
wind	0.9 m/s	velocity	8.53	11.09	10.64	10.22	10.02	89.2	9.64	10.43	

**FINAL - 2017 IAAF World Championships (London, GBR)***Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m*

date	10-Aug-17	time	10.15	15.17	20.27	20.44	20.44	6 / 6			
reaction time	0.170	interval		5.02	5.10			# of strides	10.15	10.12	0.03
wind	-0.1 m/s	velocity	9.85	9.96	9.80	9.78		89.8	9.85	9.88	

**Semi-Final 1 - 2017 IAAF World Championships (London, GBR)***Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m*

date	09-Aug-17	time	10.22	14.92	19.95	20.14	20.14	1 / 2			
reaction time	0.187	interval		4.70	5.03			# of strides	10.22	9.73	0.49
wind	2.1 m/s	velocity	9.78	10.64	9.94	9.93		90.4	9.78	10.28	

**Malcolm, Christian (GBR) (1979)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2012 Great North CityGames (Newcastle, GBR) (150m straightaway)***Jalava (2012) - www.tilastopaja.org*

date	15-Sep-12	time	5.86	10.50	15.50	15.50	15.50	1 / 3			<b>50-150m</b>
reaction time		interval		4.64	5.00			# of strides	10.50		9.64
wind	0.7 m/s	velocity	8.53	10.78	10.00		9.68		9.52		10.37

**FINAL - 2011 Great CityGames (Manchester, GBR) (150m straightaway)***Butler (2011) - Gay's last 100 in Manchester street 150*

date	15-May-11	time	5.82	10.34	15.28	15.28	15.28	4 / 4			<b>50-150m</b>
reaction time		interval		4.52	4.94		<b>PB</b>	# of strides	10.34		9.46
wind	1.5 m/s	velocity	8.59	11.06	10.12		9.82		9.67		10.57

**FINAL - 2008 Olympic Games (Beijing, CHN)***Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016*

date	20-Aug-08	time	10.47			20.40	20.40	3 / <del>7</del> 5			
reaction time	0.212	interval				9.93		# of strides	10.47	9.93	0.54
wind	-0.9 m/s	velocity	9.55			10.07	9.80	89.5	9.55	10.07	

**FINAL - 2002 European Championships (Munich, GER)***Graubner (2009) - http://www.fgs.uni-halle.de*

date	09-Aug-02	time	5.84	10.42	15.19	20.30	20.30	/ 4			
reaction time	0.146	interval		4.58	4.77	5.11		# of strides	10.42	9.88	0.54
wind	-0.5 m/s	velocity	8.56	10.92	10.48	9.78	9.85		9.60	10.12	

**Semi-Final 1 - 2002 European Championships (Munich, GER)***Graubner (2009) - http://www.fgs.uni-halle.de*

date	09-Aug-02	time	5.92	10.43	15.29	20.54	20.54	/ 3			
reaction time	0.156	interval		4.51	4.86	5.25		# of strides	10.43	10.11	0.32
wind	-0.5 m/s	velocity	8.45	11.09	10.29	9.52	9.74		9.59	9.89	

**Quarter-Final 3 - 2002 European Championships (Munich, GER)***Graubner (2009) - http://www.fgs.uni-halle.de*

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

date	08-Aug-02	time	5.91	10.53	15.40	20.66	20.66	/ 3			
reaction time	0.162	interval		4.62	4.87	5.26		# of strides	10.53	10.13	0.40
wind	-0.3 m/s	velocity	8.46	10.82	10.27	9.51	9.68		9.50	9.87	

**Heat 1 - 2002 European Championships (Munich, GER)**Graubner (2009) - <http://www.fgs.uni-halle.de>

date	08-Aug-02	time		10.84	15.65	20.82	20.82	/ 2			
reaction time	0.148	interval			4.81	5.17		# of strides	10.84	9.98	0.86
wind	0.8 m/s	velocity		9.23	10.40	9.67	9.61		9.23	10.02	

**FINAL - 2001 IAAF World Championships (Edmonton, CAN)**Butler (2013) - *IAAF world championships statistics handbook- moscow 2013*

date	09-Aug-01	time		10.2		20.22	20.22	5 / 5			
reaction time	0.157	interval				10.02		# of strides	10.20	10.02	0.18
wind	0.2 m/s	velocity		9.80		9.98	9.89	90.5	9.80	9.98	

**Marcoullides, Anninos (CYP) (1971) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 2 - 2002 European Championships (Munich, GER)**Graubner (2009) - <http://www.fgs.uni-halle.de>

date	09-Aug-02	time	5.91	10.51	15.38	20.69	20.69	/ 5			
reaction time	0.136	interval		4.60	4.87	5.31		# of strides	10.51	10.18	0.33
wind	0.2 m/s	velocity	8.46	10.87	10.27	9.42	9.67		9.51	9.82	

**Marie-Rose, Bruno (FRA) (1965) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 1988 Olympic Games (Seoul, KOR)**Brüggemann (1990) - *scientific research project at the games of the XXXIV Olympiad, Seoul 1988*

date	28-Sep-88	time	6.00	10.69	15.56	20.58	20.58	7 / 8			
reaction time	0.232	interval		4.69	4.87	5.02		# of strides	10.69	9.89	0.80
wind	1.7 m/s	velocity	8.33	10.66	10.27	9.96	9.72	88.8	9.35	10.11	

**Semi-Final 2 - 1988 Olympic Games (Seoul, KOR)**Brüggemann (1990) - *scientific research project at the games of the XXXIV Olympiad, Seoul 1988*

date	28-Sep-88	time	5.94	10.59	15.37	20.50	20.50	5 / 3			
reaction time	0.207	interval		4.65	4.78	5.13		# of strides	10.59	9.91	0.68
wind	1.6 m/s	velocity	8.42	10.75	10.46	9.75	9.76		9.44	10.09	

**Markett, Lamar (USA) (1989) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2008 USATF National Junior Championships (Columbus, OH)**

USATF Women's Sprint Development with HPC (2008)

date	22-Jun-08	time		10.86	16.08	21.54	21.54	9 / 5			
reaction time		interval			5.22	5.46		# of strides	10.86	10.68	0.18
wind	-2.2 m/s	velocity		9.21	9.58	9.16	9.29		9.21	9.36	

**Mars, Chase (USA) (2003) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 2 - 2024 USA Olympic Trials (Eugene, OR)**USATF and Karmarush (2024) - *USA Olympic trials results and race analysis*

date	28-Jun-24	time	5.97	10.74	15.62	20.66	20.66	4 / 8			
reaction time		interval		4.77	4.88	5.04		# of strides	10.74	9.92	0.82
wind	0.7 m/s	velocity	8.38	10.48	10.25	9.92	9.68	84.7	9.31	10.08	

**Heat 4 - 2024 USA Olympic Trials (Eugene, OR)**USATF and Karmarush (2024) - *USA Olympic trials results and race analysis*

date	27-Jun-24	time	5.88	10.63	15.51	20.63	20.63	2 / 4			
reaction time		interval		4.75	4.88	5.12		# of strides	10.63	10.00	0.63
wind	1.2 m/s	velocity	8.50	10.53	10.25	9.77	9.69	86.0	9.41	10.00	

**Marsh, Damien (AUS) (1971) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 1993 IAAF World Championships (Stuttgart, GER)**Veney - *split times from PJ*

date	19-Aug-93	time	5.95	10.62	15.37	20.51	20.56	1 / 8			
reaction time		interval		4.67	4.75	5.14		# of strides	10.62	9.89	0.73
wind	0.1 m/s	velocity	8.40	10.71	10.53	9.73	9.73	89.7	9.42	10.11	

**Marsh, Michael (USA) (1967) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 1996 Olympic Games (Atlanta, GA)**Maisetti (1996) - *observation des courses de vitesse d'Atlanta*

date	01-Aug-96	time		10.61		20.48	20.48	1 / 8			
reaction time	0.167	interval				9.87		# of strides	10.61	9.87	0.74
wind	0.4 m/s	velocity		9.43		10.13	9.77	85.0	9.43	10.13	

**FINAL - 1996 USA Olympic Trials (Atlanta, GA)**

USATF Women's Sprint Development (1996)

date	23-Jun-96	time		10.65	15.29	20.04	20.04	4 / 3			
reaction time		interval			4.64	4.75		# of strides	10.65	9.39	1.26
wind	1.7 m/s	velocity		9.39	10.78	10.53	9.98		9.39	10.65	

**Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)**

USATF Women's Sprint Development (1996)

date	23-Jun-96	time	10.48	15.11	20.22	20.20	6 / 2			
reaction time		interval		4.63	5.11		# of strides	10.48	9.74	0.74
wind	-0.3 m/s	velocity	9.54	10.80	9.78	9.90		9.54	10.27	

**Quarter-Final 2** - 1996 USA Olympic Trials (Atlanta, GA)*Hymans (2020) - history of the US olympic trials - track and field*

date	22-Jun-96	time	10.46		20.30	20.30	/ 2			
reaction time		interval			9.84		# of strides	10.46	9.84	0.62
wind	0.0 m/s	velocity	9.56		10.16	9.85		9.56	10.16	

**Heat 2** - 1996 USA Olympic Trials (Atlanta, GA)*Hymans (2020) - history of the US olympic trials - track and field*

date	21-Jun-96	time	10.42		20.34	20.34	/ 1			
reaction time		interval			9.92		# of strides	10.42	9.92	0.50
wind	0.3 m/s	velocity	9.60		10.08	9.83		9.60	10.08	

**FINAL** - 1993 IAAF World Championships (Stuttgart, GER)*Busemann (2001) - der deutsche sprint! Oder: warum laufen andere schneller?*

date	20-Aug-93	time	10.43		20.18	20.18	4 / 4			
reaction time		interval			9.75		# of strides	10.43	9.75	0.68
wind	0.3 m/s	velocity	9.59		10.26	9.91	85.0	9.59	10.26	

**Semi-Final 1** - 1992 Olympic Games (Barcelona, ESP)*Hymans (2015) - progression of IAAF world records - 2015 edition*

date	06-Aug-92	time	14.81	19.73	19.73		5 / 1			
reaction time		interval		4.92	<b>PB</b>		# of strides			
wind	-0.2 m/s	velocity	10.13	10.16	10.14		82.7			

**Martin, Rodney (USA) (1982)**

50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL** - 2008 IAAF World Athletic Final (Stuttgart, GER)*Graubner (2009) - http://www.fgs.uni-halle.de*

date	14-Sep-08	time	6.10	10.73	15.55	20.66	20.66	6 / 5		
reaction time	0.164	interval		4.63	4.82	5.11		# of strides	10.73	9.93
wind	-0.1 m/s	velocity	8.20	10.80	10.37	9.78	9.68		9.32	10.07

**FINAL** - 2008 USA Olympic Trials (Eugene, OR)*USATF Women's Sprint Development with HPC (2008)*

date	06-Jul-08	time	5.82	10.39	15.10	19.99	19.99	5 / 4		
reaction time	0.171	interval		4.57	4.71	4.89	<b>PB</b>	# of strides	10.39	9.60
wind	1.7 m/s	velocity	8.59	10.94	10.62	10.22	10.01		9.62	10.42

**Semi-Final 1** - 2008 USA Olympic Trials (Eugene, OR)*USATF Women's Sprint Development with HPC (2008)*

date	05-Jul-08	time	5.96	10.57	15.18	20.04	20.04	5 / 1		
reaction time		interval		4.61	4.61	4.86		# of strides	10.57	9.47
wind	2.2 m/s	velocity	8.39	10.85	10.85	10.29	9.98		9.46	10.56

**Quarter-Final 1** - 2008 USA Olympic Trials (Eugene, OR)*USATF Women's Sprint Development with HPC (2008)*

date	05-Jul-08	time	6.02	10.79	15.43	20.52	20.52	3 / 1		
reaction time		interval		4.77	4.64	5.09		# of strides	10.79	9.73
wind	-0.5 m/s	velocity	8.31	10.48	10.78	9.82	9.75		9.27	10.28

**Heat 5** - 2008 USA Olympic Trials (Eugene, OR)*USATF Women's Sprint Development with HPC (2008)*

date	04-Jul-08	time	6.21	11.02	15.84	21.00	21.00	3 / 3		
reaction time		interval		4.81	4.82	5.16		# of strides	11.02	9.98
wind	1.3 m/s	velocity	8.05	10.40	10.37	9.69	9.52		9.07	10.02

**FINAL** - 2007 IAAF World Athletic Final (Stuttgart, GER)*Graubner (2007) - http://www.fgs.uni-halle.de*

date	23-Sep-07	time	5.98	10.51	15.24	20.27	20.27	6 / 3		
reaction time	0.174	interval		4.53	4.73	5.03		# of strides	10.51	9.76
wind	1.3 m/s	velocity	8.36	11.04	10.57	9.94	9.87		9.51	10.25

**FINAL** - 2007 IAAF World Championships (Osaka, JPN)*Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	30-Aug-07	time	5.83	10.32	15.02	20.06	20.06	8 / 4		
reaction time	0.186	interval		4.49	4.70	5.04	<b>PB</b>	# of strides	10.32	9.74
wind	-0.8 m/s	velocity	8.58	11.14	10.64	9.92	9.97	89.0	9.69	10.27

**Semi-Final 1** - 2007 IAAF World Championships (Osaka, JPN)*Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	29-Aug-07	time	5.96	10.45	15.19	20.18	20.18	4 / 3		
reaction time	0.165	interval		4.49	4.74	4.99		# of strides	10.45	9.73
wind	-0.4 m/s	velocity	8.39	11.14	10.55	10.02	9.91	88.7	9.57	10.28

**Quarter-Final 1** - 2007 IAAF World Championships (Osaka, JPN)*Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	28-Aug-07	time	5.89	10.40	15.15	20.25	20.25	6 / 1			
reaction time	0.163	interval		4.51	4.75	5.10		# of strides	10.40	9.85	0.55
wind	0.3 m/s	velocity	8.49	11.09	10.53	9.80	9.88	89.2	9.62	10.15	

**FINAL - 2006 USATF National Championships (Indianapolis, IN)***USATF Women's Sprint Development (2006)*

date	25-Jun-06	time	5.87	10.51	15.21	20.14	20.14	4 / 3			
reaction time		interval		4.64	4.70	4.93	<b>PB</b>	# of strides	10.51	9.63	0.88
wind	0.3 m/s	velocity	8.52	10.78	10.64	10.14	9.93		9.51	10.38	

**FINAL - 2005 USATF National Championships (Carson, CA)***USATF Women's Sprint Development (2005)*

date	26-Jun-05	time	5.96	10.59	15.40	20.46	20.46	7 / 5			
reaction time		interval		4.63	4.81	5.06		# of strides	10.59	9.87	0.72
wind	-0.9 m/s	velocity	8.39	10.80	10.40	9.88	9.78	91.2	9.44	10.13	

**Martin, Roy (USA) (1966)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 1 - 1988 Olympic Games (Seoul, KOR)***Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988*

date	28-Sep-88	time	6.14	10.75	15.51	20.62	20.62	5 / 6			
reaction time	0.298	interval		4.61	4.76	5.11		# of strides	10.75	9.87	0.88
wind	1.5 m/s	velocity	8.14	10.85	10.50	9.78	9.70		9.30	10.13	

**FINAL - 1988 USA Olympic Trials (Indianapolis, IN)***Hymans (2008) - history of the US olympic trials - track and field*

date	20-Jul-88	time	10.4			20.05	20.05	4 / 3			
reaction time		interval				9.65	<b>PB</b>	# of strides	10.40	9.65	0.75
wind	1.0 m/s	velocity		9.62		10.36	9.98		9.62	10.36	

**FINAL - 1984 USA Olympic Trials (Los Angeles, CA)***Hymans (2008) - history of the US olympic trials - track and field*

date	21-Jun-84	time	10.51			20.43	20.43	2 / 4			
reaction time		interval				9.92		# of strides	10.51	9.92	0.59
wind	-0.2 m/s	velocity		9.51		10.08	9.79		9.51	10.08	

**Semi-Final 2 - 1984 USA Olympic Trials (Los Angeles, CA)***Hymans (2020) - history of the US olympic trials - track and field*

date	21-Jun-84	time	10.61			20.60	20.60	1 / 3			
reaction time		interval				9.99		# of strides	10.61	9.99	0.62
wind	-0.6 m/s	velocity		9.43		10.01	9.71		9.43	10.01	

**Martina, Churandy (NED) (1984)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2016 Olympic Games (Rio de Janeiro, BRA)***Butler (2021) - athletics statistics book: games of the XXXII Olympiad- Tokyo 2020*

date	18-Aug-16	time	10.3			20.13	20.13	8 / 5			
reaction time	0.148	interval				9.83		# of strides	10.30	9.83	0.47
wind	-0.5 m/s	velocity		9.71		10.17	9.94	88.5	9.71	10.17	

**FINAL - 2012 Olympic Games (London, GBR)***Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016*

date	09-Aug-12	time	10.42			20.00	20.00	5 / 5			
reaction time	0.157	interval				9.58		# of strides	10.42	9.58	0.84
wind	0.4 m/s	velocity		9.60		10.44	10.00	89.5	9.60	10.44	

**Martina, Churandy (AHO) (1984)****FINAL - 2008 Olympic Games (Beijing, CHN)***Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016*

date	20-Aug-08	time	10.20			19.82	19.82	7 / <del>2</del>			
reaction time	0.144	interval				9.62	<b>DQ</b>	# of strides	10.20	9.62	0.58
wind	-0.9 m/s	velocity		9.80		10.40	10.09	87.7	9.80	10.40	

**FINAL - 2007 IAAF World Championships (Osaka, JPN)***Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	30-Aug-07	time	5.84	10.37	15.18	20.28	20.28	3 / 5			
reaction time	0.144	interval		4.53	4.81	5.10		# of strides	10.37	9.91	0.46
wind	-0.8 m/s	velocity	8.56	11.04	10.40	9.80	9.86	92.0	9.64	10.09	

**Semi-Final 1 - 2007 IAAF World Championships (Osaka, JPN)***Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	29-Aug-07	time	5.90	10.40	15.17	20.20	20.20	3 / 4			
reaction time	0.140	interval		4.50	4.77	5.03	<b>NR</b>	# of strides	10.40	9.80	0.60
wind	-0.4 m/s	velocity	8.47	11.11	10.48	9.94	9.90	91.0	9.62	10.20	

**Quarter-Final 2 - 2007 IAAF World Championships (Osaka, JPN)***Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	28-Aug-07	time	5.91	10.43	15.22	20.39	20.39	6 / 3			
reaction time	0.140	interval		4.52	4.79	5.17		# of strides	10.43	9.96	0.47
wind	-0.3 m/s	velocity	8.46	11.06	10.44	9.67	9.81	90.2	9.59	10.04	



			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Martínez, Yancarlos (DOM) (1992)</b>											
<b>Semi-Final 3</b> - 2022 World Athletics Championships (Eugene, OR)											
<i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	19-Jul-22	time	10.54			20.21	20.21	2 / 4			
reaction time	0.116	interval				9.67		# of strides	10.54	9.67	0.87
wind	0.3 m/s	velocity	9.49			10.34	9.90	87.5	9.49	10.34	
<b>Heat 3</b> - 2022 World Athletics Championships (Eugene, OR)											
<i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	18-Jul-22	time	10.50			20.13	20.13	7 / 4			
reaction time	0.146	interval				9.63		# of strides	10.50	9.63	0.87
wind	2.1 m/s	velocity	9.52			10.38	9.94	88.0	9.52	10.38	
<b>FINAL</b> - 2022 Meeting de Paris (Paris, FRA)											
<i>Omega Timing (2022) - diamond league race analysis</i>											
date	18-Jun-22	time	6.01	10.72	15.55	20.61	20.61	1 / 7			
reaction time	0.153	interval	4.71	4.83	5.06			# of strides	10.72	9.89	0.83
wind	0.6 m/s	velocity	8.32	10.62	10.35	9.88	9.70	89.0	9.33	10.11	
<b>FINAL</b> - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)											
<i>Omega Timing (2022) - diamond league race analysis</i>											
date	05-Jun-22	time	6.04	10.85	15.70	20.69	20.69	3 / 4			
reaction time	0.148	interval	4.81	4.85	4.99			# of strides	10.85	9.84	1.01
wind	2.0 m/s	velocity	8.28	10.40	10.31	10.02	9.67	88.5	9.22	10.16	
<b>FINAL</b> - 2021 Athletissima (Lausanne, SUI)											
<i>Omega Timing (2021) - diamond league race analysis</i>											
date	26-Aug-21	time	6.0	10.6	15.4	20.30	20.30	3 / 5			
reaction time	0.143	interval	4.60	4.80	4.90			# of strides	10.60	9.70	0.90
wind	3.2 m/s	velocity	8.33	10.87	10.42	10.20	9.85	89.0	9.43	10.31	
<b>Maslák, Pavel (CZE) (1991)</b>											
<b>FINAL</b> - 2013 Czech Republic National Championships (Tábor, CZE)											
<i>Feher (2013) - Final report men's &amp; women's Czech Republic national champs</i>											
date	16-Jun-13	time	6.08	10.78	15.67	20.67	20.67	5 / 1			
reaction time	0.216	interval	4.70	4.89	5.00			# of strides	10.78	9.89	0.89
wind	-0.9 m/s	velocity	8.22	10.64	10.22	10.00	9.68		9.28	10.11	
<b>Heat 3</b> - 2013 Czech Republic National Championships (Tábor, CZE)											
<i>Feher (2013) - Final report men's &amp; women's Czech Republic national champs</i>											
date	16-Jun-13	time	6.08	10.80	15.67	20.69	20.69	4 / 1			
reaction time	0.184	interval	4.72	4.87	5.02			# of strides	10.80	9.89	0.91
wind	-0.9 m/s	velocity	8.22	10.59	10.27	9.96	9.67		9.26	10.11	
<b>Maswanganyi, Shaun (RSA) (2001)</b>											
<b>FINAL</b> - 2024 Kamila Skolimowska Memorial (Silesia, POL)											
<i>Omega Timing (2024) - diamond league race analysis</i>											
date	25-Aug-24	time	5.97	10.54	15.32	20.55	20.55	9 / 7			
reaction time	0.170	interval	4.57	4.78	5.23			# of strides	10.54	10.01	0.53
wind	0.6 m/s	velocity	8.38	10.94	10.46	9.56	9.73	83.0	9.49	9.99	
<b>Semi-Final 1</b> - 2024 Olympic Games (Paris, FRA)											
<i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	07-Aug-24	time	5.85	10.43	15.23	20.42	20.42	4 / 4			
reaction time	0.156	interval	4.58	4.80	5.19			# of strides	10.43	9.99	0.44
wind	-0.1 m/s	velocity	8.55	10.92	10.42	9.63	9.79	84.0	9.59	10.01	
<b>Heat 5</b> - 2024 Olympic Games (Paris, FRA)											
<i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	05-Aug-24	time	5.77	10.30	15.05	20.20	20.20	7 / 3			
reaction time	0.151	interval	4.53	4.75	5.15			# of strides	10.30	9.90	0.40
wind	0.2 m/s	velocity	8.67	11.04	10.53	9.71	9.90	82.0	9.71	10.10	
<b>Semi-Final 3</b> - 2023 World Athletics Championships (Budapest, HUN)											
<i>Seiko Timing (2023) - world championship race analysis</i>											
date	24-Aug-23	time	10.62			20.65	20.65	3 / 7			
reaction time	0.147	interval				10.03		# of strides	10.62	10.03	0.59
wind	-0.4 m/s	velocity	9.42			9.97	9.69	184.0	9.42	9.97	
<b>Heat 4</b> - 2023 World Athletics Championships (Budapest, HUN)											
<i>Seiko Timing (2023) - world championship race analysis</i>											
date	23-Aug-23	time	10.64			20.56	20.56	2 / 3			
reaction time	0.174	interval				9.92		# of strides	10.64	9.92	0.72
wind	-0.2 m/s	velocity	9.40			10.08	9.73	83.5	9.40	10.08	
<b>Heat 2</b> - 2022 World Athletics Championships (Eugene, OR)											
<i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	18-Jul-22	time	10.43			20.79	20.79	8 / 4			
reaction time	0.151	interval				10.36		# of strides	10.43	10.36	0.07
wind	0.0 m/s	velocity	9.59			9.65	9.62	83.0	9.59	9.65	

<b>Masztak, Kamil (POL) (1984)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL</b> - 2007 Windsprint (Sundsvall, SWE)								(2007) - <a href="http://www.ssg.se/en/Windsprint/Split-times/">www.ssg.se/en/Windsprint/Split-times/</a>		
date	24-Jul-07	time	10.79	15.78	21.17	21.17	6 / 3			
reaction time		interval		4.99	5.39		# of strides	10.79	10.38	0.41
wind	0.3 m/s	velocity	9.27	10.02	9.28	9.45		9.27	9.63	

<b>Matadi, Emmanuel (LBR) (1991)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2023 London Athletics Meet (London, GBR)								Omega Timing (2023) - <a href="#">diamond league race analysis</a>			
date	23-Jul-23	time	5.84	10.45	15.24	20.35	20.35	3 / 6			
reaction time	0.177	interval		4.61	4.79	5.11		# of strides	10.45	9.90	0.55
wind	1.6 m/s	velocity	8.56	10.85	10.44	9.78	9.83	88.5	9.57	10.10	

<b>FINAL</b> - 2021 Doha Diamond League (Doha, QAT)		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2021 Doha Diamond League (Doha, QAT)								Omega Timing (2021) - <a href="#">diamond league race analysis</a>			
date	28-May-21	time	5.9	10.5	15.3	20.45	20.45	2 / 4			
reaction time	0.152	interval		4.60	4.80	5.15		# of strides	10.50	9.95	0.55
wind	0.4 m/s	velocity	8.47	10.87	10.42	9.71	9.78	89.5	9.52	10.05	

<b>FINAL</b> - 2021 Müller Grand Prix (Gateshead, GBR)		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2021 Müller Grand Prix (Gateshead, GBR)								Omega Timing (2021) - <a href="#">diamond league race analysis</a>			
date	23-May-21	time	6.4	11.1	16.1	21.13	21.13	3 / 5			
reaction time	0.154	interval		4.70	5.00	5.03		# of strides	11.10	10.03	1.07
wind	-3.0 m/s	velocity	7.81	10.64	10.00	9.94	9.47	92.2	9.01	9.97	

<b>Mateo, Pablo (FRA) (2001)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Repechage 2</b> - 2024 Olympic Games (Paris, FRA)								Paris 2024 Olympic Games - <a href="#">Results Book (2024)</a>			
date	06-Aug-24	time	5.92	10.49	15.30	20.57	20.57	8 / 3			
reaction time	0.191	interval		4.57	4.81	5.27		# of strides	10.49	10.08	0.41
wind	0.6 m/s	velocity	8.45	10.94	10.40	9.49	9.72	93.0	9.53	9.92	

<b>Heat 5</b> - 2024 Olympic Games (Paris, FRA)		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Heat 5</b> - 2024 Olympic Games (Paris, FRA)								Paris 2024 Olympic Games - <a href="#">Results Book (2024)</a>			
date	05-Aug-24	time	5.86	10.47	15.33	20.58	20.58	6 / 6			
reaction time	0.162	interval		4.61	4.86	5.25		# of strides	10.47	10.11	0.36
wind	0.2 m/s	velocity	8.53	10.85	10.29	9.52	9.72	92.0	9.55	9.89	

<b>Matiyenga, Tinotenda (ZIM) (1999)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heat 3</b> - 2022 World Athletics Championships (Eugene, OR)								Timing by Seiko (2022) - <a href="#">world athletics championships race analysis</a>		
date	18-Jul-22	time	10.75		20.72	20.72	4 / 7			
reaction time	0.146	interval			9.97		# of strides	10.75	9.97	0.78
wind	2.1 m/s	velocity		9.30	10.03	9.65	90.0	9.30	10.03	

<b>Matsenjwa, Sibusiso (SWZ) (1988)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heat 6</b> - 2023 World Athletics Championships (Budapest, HUN)								Seiko Timing (2023) - <a href="#">world championship race analysis</a>		
date	23-Aug-23	time	10.84		20.88	20.88	5 / 6			
reaction time	0.166	interval			10.04		# of strides	10.84	10.04	0.80
wind	-0.5 m/s	velocity		9.23	9.96	9.58	87.2	9.23	9.96	

<b>FINAL</b> - 2022 Commonwealth Games (Birmingham, GBR)		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2022 Commonwealth Games (Birmingham, GBR)								Longines Timing (2022) - <a href="#">commonwealth games race analysis</a>			
date	06-Aug-22	time	5.9	10.7	15.6	20.92	20.92	2 / 7			
reaction time	0.156	interval		4.80	4.90	5.32		# of strides	10.70	10.22	0.48
wind	1.1 m/s	velocity	8.47	10.42	10.20	9.40	9.56	89.5	9.35	9.78	

<b>Heat 3</b> - 2022 World Athletics Championships (Eugene, OR)		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heat 3</b> - 2022 World Athletics Championships (Eugene, OR)								Timing by Seiko (2022) - <a href="#">world athletics championships race analysis</a>		
date	18-Jul-22	time	10.76		20.60	20.60	5 / 6			
reaction time	0.161	interval			9.84		# of strides	10.76	9.84	0.92
wind	2.1 m/s	velocity		9.29	10.16	9.71	88.0	9.29	10.16	

<b>Matsumoto, Biokawa (JPN)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>U18 FINAL</b> - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)								JPNna (2019) - <a href="#">research on athlete performance and technique- 2019 data book</a>			
date	20-Oct-19	time	6.16	11.14	16.33	21.89	21.89	2 / 8			
reaction time	0.143	interval		4.98	5.19	5.56		# of strides	11.14	10.75	0.39
wind	-0.5 m/s	velocity	8.12	10.04	9.63	8.99	9.14	93.0	8.98	9.30	

<b>Matsumoto, Kotaro (JPN) (1991)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2009 Japanese National High School Championships (Nara, JPN)								Matsuo (2009) - <a href="#">62nd high school championships: JAF scientific committee</a>			
date	01-Aug-09	time	6.32	11.21	16.12	21.35	21.35	7 / 4			
reaction time		interval		4.89	4.91	5.23		# of strides	11.21	10.14	1.07
wind	1.6 m/s	velocity	7.91	10.22	10.18	9.56	9.37		8.92	9.86	

<b>Matsuo, Takamasa (JPN) (1998)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2016 Japanese National High School Championships (Okayama, JPN)							<i>Kota (2016) - 69th high school championships: JAF scientific committee</i>				
date	01-Aug-16	time	5.55	10.76	15.78	21.15	21.15	8 / 4			
reaction time	0.179	interval		5.21	5.02	5.37		# of strides	10.76	10.39	0.37
wind	-0.1 m/s	velocity	9.01	9.60	9.96	9.31	9.46		9.29	9.62	

<b>Matushima, Reiya (JPN) (2003)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2021 Japanese High School National Championships (Fukui, JPN)							<i>Shibayama (2021) - national high school and U20 national championships</i>				
date	31-Jul-21	time	5.61	10.84	15.73	20.87	20.87	8 / 3			
reaction time	0.155	interval		5.23	4.89	5.14		# of strides	10.84	10.03	0.81
wind	3.1 m/s	velocity	8.91	9.56	10.22	9.73	9.58		9.23	9.97	

<b>Maury, Jarod (SUI) (2001)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>B Race</b> - 2021 Athletissima (Lausanne, SUI)							<i>Omega Timing (2021) - diamond league race analysis</i>				
date	26-Aug-21	time	6.2	11.1	16.3	21.61	21.61	4 / 3			
reaction time	0.148	interval		4.90	5.20	5.31		# of strides	11.10	10.51	0.59
wind	3.0 m/s	velocity	8.06	10.20	9.62	9.42	9.25		9.01	9.51	

<b>Maybank, Anthuan (USA) (1969)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Quarter-Final 1</b> - 1996 USA Olympic Trials (Atlanta, GA)							<i>Hymans (2020) - history of the US olympic trials - track and field</i>				
date	22-Jun-96	time	10.89		20.70	20.70		1 / 6			
reaction time		interval			9.81			# of strides	10.89	9.81	1.08
wind	2.4 m/s	velocity	9.18		10.19	9.66			9.18	10.19	
<b>Heat 2</b> - 1996 USA Olympic Trials (Atlanta, GA)							<i>Hymans (2020) - history of the US olympic trials - track and field</i>				
date	21-Jun-96	time	10.62		20.42	20.42		1 / 2			
reaction time		interval			9.80			# of strides	10.62	9.80	0.82
wind	0.3 m/s	velocity	9.42		10.20	9.79			9.42	10.20	

<b>Mayoral, Jordi (ESP) (1973)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 1997 European Cup (Munich GER)							<i>Federle (2009) - http://www.fgs.uni-halle.de</i>				
date	22-Jun-97	time	6.06	10.84	15.82	21.21	21.21	1 / 8			
reaction time		interval		4.78	4.98	5.39		# of strides	10.84	10.37	0.47
wind	0.7 m/s	velocity	8.25	10.46	10.04	9.28	9.43		9.23	9.64	

<b>Mbandjock, Martial (FRA) (1985)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2011 Great CityGames (Manchester, GBR) (200m straightaway)							<i>Butler (2011) - Gay's last 100 in Manchester street 150</i>				
date	15-May-11	time	5.88	10.37	15.13	20.35	20.35	1 / 1			
reaction time		interval		4.49	4.76	5.22		# of strides	10.37	9.98	0.39
wind	2.3 m/s	velocity	8.50	11.14	10.50	9.58	9.83		9.64	10.02	
<b>Semi-Final 2</b> - 2009 IAAF World Championships (Berlin, GER)							<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>				
date	19-Aug-09	time	5.89	10.54	15.36	20.43	20.43	7 / 5			
reaction time	0.155	interval		4.65	4.82	5.07	<b>PB</b>	# of strides	10.54	9.89	0.65
wind	0.3 m/s	velocity	8.49	10.75	10.37	9.86	9.79		9.49	10.11	
<b>Quarter-Final 1</b> - 2009 IAAF World Championships (Berlin, GER)							<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>				
date	18-Aug-09	time	5.91	10.55	15.44	20.55	20.55	4 / 3			
reaction time	0.145	interval		4.64	4.89	5.11	<b>PB</b>	# of strides	10.55	10.00	0.55
wind	0.0 m/s	velocity	8.46	10.78	10.22	9.78	9.73		9.48	10.00	
<b>Heat 7</b> - 2009 IAAF World Championships (Berlin, GER)							<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>				
date	18-Aug-09	time	5.94	10.62	15.58	20.65	20.65	2 / 1			
reaction time	0.120	interval		4.68	4.96	5.07		# of strides	10.62	10.03	0.59
wind	-0.6 m/s	velocity	8.42	10.68	10.08	9.86	9.69		9.42	9.97	

<b>McBain, Steve (AUS) (1967)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 1986 IAAF World Junior Championships (Athens, GRE)							<i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>				
date	19-Jul-86	time	10.75	15.81	21.21	21.21		1 / 3			
reaction time		interval		5.06	5.40			# of strides	10.75	10.46	0.29
wind	0.2 m/s	velocity	9.30	9.88	9.26	9.43			9.30	9.56	

<b>McCallum, Benjamin (USA) (1984)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2003 USATF National Junior Championships (Palo Alto, CA)							<i>USATF Women's Sprint Development (2003)</i>				
date	21-Jun-03	time	6.41	11.37	16.35	21.77	21.77	3 / 7			

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

reaction time	interval	4.96	4.98	5.42		# of strides	11.37	10.40	0.97
wind	-1.8 m/s velocity	7.80	10.08	10.04	9.23	9.19	8.80	9.62	

<b>McClain, Remontay (USA) (1992)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL</b> - 2019 The Match - Europe v USA (Minsk, BLR)							<i>European Athletics (2019) - race analysis</i>		
date	10-Sep-19	time	10.76	20.98	20.98	2 / 5			
reaction time	0.147	interval		10.22		# of strides	10.76	10.22	0.54
wind	-0.1 m/s	velocity	9.29	9.78	9.53	91.2	9.29	9.78	

<b>McCloud, Demetrious (USA) (1980)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heat 5</b> - 2008 USA Olympic Trials (Eugene, OR)							<i>USATF Women's Sprint Development with HPC (2008)</i>		
date	04-Jul-08	time	6.08	10.85	15.87	21.25	21.25	5 / 5	
reaction time		interval	4.77	5.02	5.38		# of strides	10.85	10.40
wind	1.3 m/s	velocity	8.22	10.48	9.96	9.29	9.41	9.22	9.62

<b>McCoy, Wanya (BAH) (2003)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Semi-Final 1</b> - 2024 Olympic Games (Paris, FRA)							<i>Paris 2024 Olympic Games - Results Book (2024)</i>		
date	07-Aug-24	time	5.87	10.57	15.44	20.61	20.61	9 / 5	
reaction time	0.163	interval	4.70	4.87	5.17		# of strides	10.57	10.04
wind	-0.1 m/s	velocity	8.52	10.64	10.27	9.67	9.70	85.0	9.46

<b>Heat 2</b> - 2024 Olympic Games (Paris, FRA)							<i>Paris 2024 Olympic Games - Results Book (2024)</i>		
date	05-Aug-24	time	5.87	10.57	15.34	20.35	20.35	9 / 2	
reaction time	0.160	interval	4.70	4.77	5.01		# of strides	10.57	9.78
wind	-0.1 m/s	velocity	8.52	10.64	10.48	9.98	9.83	84.2	9.46

<b>McKenzie, Ramone (JAM) (1990)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heat 9</b> - 2009 IAAF World Championships (Berlin, GER)							<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>		
date	18-Aug-09	time	6.06	10.82	15.75	20.97	20.97	5 / 5	
reaction time	0.162	interval	4.76	4.93	5.22		# of strides	10.82	10.15
wind	-0.7 m/s	velocity	8.25	10.50	10.14	9.58	9.54	9.24	9.85

<b>McLean, Sean (USA) (1992)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL</b> - 2016 USA Olympic Trials (Eugene, OR)							<i>Hymans (2020) - history of the US olympic trials - track and field</i>		
date	09-Jul-16	time	10.7		20.63	20.63	1 / 8		
reaction time	0.165	interval			9.93		# of strides	10.70	9.93
wind	1.6 m/s	velocity	9.35		10.07	9.69	90.0	9.35	10.07

<b>Meité, Ben Youssef (CIV) (1986)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heat 2</b> - 2009 IAAF World Championships (Berlin, GER)							<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>		
date	18-Aug-09	time	5.94	10.64	15.60	20.93	20.93	1 / 4	
reaction time	0.171	interval	4.70	4.96	5.33		# of strides	10.64	10.29
wind	-1.6 m/s	velocity	8.42	10.64	10.08	9.38	9.56	9.40	9.72

<b>Mena, Reynier (CUB) (1996)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL</b> - 2023 Memorial van Damme (Brussels, BEL)							<i>Omega Timing (2023) - diamond league race analysis</i>		
date	08-Sep-23	time	5.93	10.66	15.64	20.93	20.93	2 / 8	
reaction time	0.145	interval	4.73	4.98	5.29		# of strides	10.66	10.27
wind	-0.1 m/s	velocity	8.43	10.57	10.04	9.45	9.56	88.5	9.38

<b>FINAL</b> - 2023 Athletissima (Lausanne, SUI)							<i>Omega Timing (2023) - diamond league race analysis</i>		
date	30-Jun-23	time	5.74	10.40	15.13	20.24	20.24	6 / 4	
reaction time	0.125	interval	4.66	4.73	5.11		# of strides	10.40	9.84
wind	-1.4 m/s	velocity	8.71	10.73	10.57	9.78	9.88	87.7	9.62

<b>FINAL</b> - 2023 Bislett Games (Oslo, NOR)							<i>Omega Timing (2023) - diamond league race analysis</i>		
date	15-Jun-23	time	5.80	10.42	15.11	20.09	20.09	6 / 2	
reaction time	0.136	interval	4.62	4.69	4.98		# of strides	10.42	9.67
wind	0.6 m/s	velocity	8.62	10.82	10.66	10.04	9.96	87.0	9.60

<b>FINAL</b> - 2023 Golden Gala Pietro Mennea (Firenze, ITA)							<i>Omega Timing (2023) - diamond league race analysis</i>		
date	02-Jun-23	time	5.80	10.44	15.29	20.48	20.48	1 / 5	
reaction time	0.134	interval	4.64	4.85	5.19		# of strides	10.44	10.04
wind	0.0 m/s	velocity	8.62	10.78	10.31	9.63	9.77	88.2	9.58

<b>FINAL</b> - 2022 Memorial van Damme (Brussels, BEL)							<i>Omega Timing (2022) - diamond league race analysis</i>		
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date	02-Sep-22	time	5.75	10.34	15.15	20.38	20.38	5 / 5			
reaction time	0.129	interval		4.59	4.81	5.23		# of strides	10.34	10.04	0.30
wind	-2.9 m/s	velocity	8.70	10.89	10.40	9.56	9.81	88.2	9.67	9.96	

**Menga, Aleixo Platini (GER) (1987)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**Quarter-Final 3 - 2009 IAAF World Championships (Berlin, GER)** *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	18-Aug-09	time	5.88	10.54	15.42	20.68	20.68	5 / 6			
reaction time	0.145	interval		4.66	4.88	5.26		# of strides	10.54	10.14	0.40
wind	-0.3 m/s	velocity	8.50	10.73	10.25	9.51	9.67		9.49	9.86	

**Heat 2 - 2009 IAAF World Championships (Berlin, GER)** *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	18-Aug-09	time	5.93	10.62	15.58	20.84	20.84	2 / 2			
reaction time	0.145	interval		4.69	4.96	5.26		# of strides	10.62	10.22	0.40
wind	-1.6 m/s	velocity	8.43	10.66	10.08	9.51	9.60		9.42	9.78	

**Mennea, Pietro (ITA) (1952)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**FINAL - 1984 Olympic Games (Los Angeles, CA)** *Vogel (1984) - olympische spiele in los angeles*

date	08-Aug-84	time		10.50		20.55	20.55	5 / 7			
reaction time	0.170	interval				10.05		# of strides	10.50	10.05	0.45
wind	-0.9 m/s	velocity		9.52		9.95	9.73		9.52	9.95	

**FINAL - 1983 IAAF World Championships (Helsinki, FIN)** *Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints*

date	14-Aug-83	time		10.56	15.31	20.51	20.51	5 / 3			
reaction time	0.222	interval			4.75	5.20		# of strides	10.56	9.95	0.61
wind	1.2 m/s	velocity		9.47	10.53	9.62	9.75	92.0	9.47	10.05	

**FINAL - 1979 Universiade (Mexico City, MEX) (Altitude)** *Vittori (2003) - l'allenamento delle specialità di corsa veloce per gli atleti d'élite*

date	12-Sep-79	time		10.29		19.72	19.72	/ 1			
reaction time		interval				9.43	<b>WR</b>	# of strides	10.29	9.43	0.86
wind	1.8 m/s	velocity		9.72		10.60	10.14		9.72	10.60	

**FINAL - 1978 European Championships (Prague, TCH)** *Lamare (1978) - championnats d'Europa 1978*

date	01-Sep-78	time		10.64		20.16	20.16	/ 1			
reaction time	0.196	interval				9.52	<b>CR</b>	# of strides	10.64	9.52	1.12
wind	-0.2 m/s	velocity		9.40		10.50	9.92		9.40	10.50	

**FINAL - 1975 European Cup - Semi-Final Round (Torino, ITA)** *Dotta (1990) - the 200m race- a retrospective view of its development*

date	13-Jul-75	time		10.55		20.23	20.23	/ 1			
reaction time		interval				9.68	<b>PB</b>	# of strides	10.55	9.68	0.87
wind	0.0 m/s	velocity		9.48		10.33	9.89		9.48	10.33	

**FINAL - 1972 Olympic Games (Munich, FRG)** *Gundlach (1973) - beobachtungsergebnisse in der leichtathletik*

date	04-Sep-72	time		10.67	15.41	20.30	20.30	2 / 3			
reaction time		interval			4.74	4.89		# of strides	10.67	9.63	1.04
wind	0.0 m/s	velocity		9.37	10.55	10.22	9.85	90.5	9.37	10.38	

**Merritt, LaShawn (USA) (1986)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**FINAL - 2016 Olympic Games (Rio de Janeiro, BRA)** *Butler (2021) - athletics statistics book: games of the XXXII Olympiad- Tokyo 2020*

date	18-Aug-16	time		10.4		20.19	20.19	5 / 6			
reaction time	0.189	interval				9.79		# of strides	10.40	9.79	0.61
wind	-0.5 m/s	velocity		9.62		10.21	9.91	87.0	9.62	10.21	

**FINAL - 2016 USA Olympic Trials (Eugene, OR)** *Hymans (2020) - history of the US olympic trials - track and field*

date	09-Jul-16	time		10.4		19.79	19.79	5 / 2			
reaction time	0.199	interval				9.39		# of strides	10.40	9.39	1.01
wind	1.6 m/s	velocity		9.62		10.65	10.11	86.7	9.62	10.65	

**FINAL - 2016 USA Olympic Trials (Eugene, OR)** *Hymans (2020) - history of the US olympic trials - track and field*

date	08-Jul-16	time		10.3		19.74	19.74	/ 1			
reaction time		interval				9.44	<b>PB</b>	# of strides	10.30	9.44	0.86
wind	1.4 m/s	velocity		9.71		10.59	10.13		9.71	10.59	

**FINAL - 2008 Super Grand Prix (Doha, QAT)** *Vazel (2011) - speed reserve in the 400m*

date	09-May-08	time		10.56		20.08	20.08	/ 1			
reaction time	0.190	interval				9.52		# of strides	10.56	9.52	1.04
wind	0.8 m/s	velocity		9.47		10.50	9.96		9.47	10.50	

<b>Meyers, Khance (USA) (1999)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2018 IAAF World Junior Championships (Tampere, FIN)						<i>Koyama (2018) - research on athlete performance and technique- 2018 data book</i>					
date	13-Jul-18	time	5.99	10.69	15.56	20.87	20.87	2 / 6			
reaction time	0.159	interval		4.70	4.87	5.31		# of strides	10.69	10.18	0.51
wind	-0.1 m/s	velocity	8.35	10.64	10.27	9.42	9.58		9.35	9.82	
<b>Mihara, Hiroyuki (JPN) (1993)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2010 Japanese National High School Championships (Okinawa, JPN)						<i>Matsuo (2010) - 63rd high school championships: JAF scientific committee</i>					
date	01-Aug-10	time	6.22	11.12	16.06	21.35	21.35	1 / 1			
reaction time		interval		4.90	4.94	5.29		# of strides	11.12	10.23	0.89
wind	0.5 m/s	velocity	8.04	10.20	10.12	9.45	9.37		8.99	9.78	
<b>Miller, Cameron (USA) (2000)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Semi-Final 3</b> - 2024 USA Olympic Trials (Eugene, OR)						<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>					
date	28-Jun-24	time	5.94	10.78	15.56	20.68	20.68	9 / 7			
reaction time		interval		4.84	4.78	5.12		# of strides	10.78	9.90	0.88
wind	2.5 m/s	velocity	8.42	10.33	10.46	9.77	9.67		9.28	10.10	
<b>Heat 1</b> - 2024 USA Olympic Trials (Eugene, OR)						<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>					
date	27-Jun-24	time	5.93	10.66	15.45	20.59	20.59	4 / 5			
reaction time		interval		4.73	4.79	5.14		# of strides	10.66	9.93	0.73
wind	0.3 m/s	velocity	8.43	10.57	10.44	9.73	9.71		9.38	10.07	
<b>Miller, Coby (USA) (1976)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2005 USATF National Championships (Carson, CA)						<i>USATF Women's Sprint Development (2005)</i>					
date	26-Jun-05	time	6.01	10.51	15.37	20.64	20.64	3 / 7			
reaction time		interval		4.50	4.86	5.27		# of strides	10.51	10.13	0.38
wind	-0.9 m/s	velocity	8.32	11.11	10.29	9.49	9.69	91.5	9.51	9.87	
<b>Mitadera, Takeru (JPN) (2002)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2021 Japanese U20 National Championships (Osaka, JPN)						<i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>					
date	27-Jun-21	time	5.98	10.81	15.93	21.40	21.40	3 / 5			
reaction time	0.139	interval		4.83	5.12	5.47		# of strides	10.81	10.59	0.22
wind	-0.3 m/s	velocity	8.36	10.35	9.77	9.14	9.35	94.2	9.25	9.44	
<b>Mitchell-Blake, Nethaneel (GBR) (199)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2022 Golden Gala Pietro Mennea (Rome, ITA)						<i>Omega Timing (2022) - diamond league race analysis</i>					
date	09-Jun-22	time	5.83	10.45	15.33	20.59	20.59	4 / 5			
reaction time	0.151	interval		4.62	4.88	5.26		# of strides	10.45	10.14	0.31
wind	-0.1 m/s	velocity	8.58	10.82	10.25	9.51	9.71	87.5	9.57	9.86	
<b>Mitchell, Curtis (USA) (1989)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2008 USATF National Junior Championships (Columbus, OH)						<i>USATF Women's Sprint Development with HPC (2008)</i>					
date	22-Jun-08	time		10.84	15.84	21.03	21.03	3 / 2			
reaction time		interval			5.00	5.19		# of strides	10.84	10.19	0.65
wind	-2.2 m/s	velocity		9.23	10.00	9.63	9.51		9.23	9.81	
<b>Mitchell, Jacobi (BAH) (1986)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Quarter-Final 2</b> - 2007 IAAF World Championships (Osaka, JPN)						<i>Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs</i>					
date	28-Aug-07	time	6.06	10.73	15.72	21.17	21.17	2 / 8			
reaction time	0.146	interval		4.67	4.99	5.45		# of strides	10.73	10.44	0.29
wind	-0.3 m/s	velocity	8.25	10.71	10.02	9.17	9.45	86.0	9.32	9.58	
<b>Mitchell, Michael (USA) (1981)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Heat 5</b> - 2008 USA Olympic Trials (Eugene, OR)						<i>USATF Women's Sprint Development with HPC (2008)</i>					
date	04-Jul-08	time	5.92	10.73	15.80	21.29	21.29	8 / 6			
reaction time		interval		4.81	5.07	5.49		# of strides	10.73	10.56	0.17
wind	1.3 m/s	velocity	8.45	10.40	9.86	9.11	9.39		9.32	9.47	
<b>Mitchell, Maurice (USA) (1989)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2012 USA Olympic Trials (Eugene, OR)						<i>Hymans (2020) - history of the US olympic trials - track and field</i>					
date	01-Jul-12	time		10.3		20.14	20.14	4 / 2			
reaction time	0.175	interval				9.84		# of strides	10.30	9.84	0.46
wind	2.3 m/s	velocity		9.71		10.16	9.93		9.71	10.16	

**FINAL - 2008 USATF National Junior Championships (Columbus, OH)***USATF Women's Sprint Development with HPC (2008)*

date	22-Jun-08	time	10.83	16.01	21.70	21.70	2 / 6			
reaction time		interval		5.18	5.69		# of strides	10.83	10.87	-0.04
wind	-2.2 m/s	velocity	9.23	9.65	8.79	9.22		9.23	9.20	

**Mitchell-Blake, Nethaneel (GBR) (199)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 1 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	19-Jul-22	time	10.51		20.30	20.30	7 / 4			
reaction time	0.135	interval			9.79		# of strides	10.51	9.79	0.72
wind	-0.1 m/s	velocity	9.51		10.21	9.85	86.0	9.51	10.21	

**Heat 3 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	18-Jul-22	time	10.51		20.11	20.11	8 / 3			
reaction time	0.129	interval			9.60		# of strides	10.51	9.60	0.91
wind	2.1 m/s	velocity	9.51		10.42	9.95	85.2	9.51	10.42	

**FINAL - 2017 IAAF World Championships (London, GBR)***Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m*

date	10-Aug-17	time	10.29	15.22	20.09	20.24	2 / 4			
reaction time	0.147	interval		4.93	4.87		# of strides	10.29	9.80	0.49
wind	-0.1 m/s	velocity	9.72	10.14	10.27	9.88	86.1	9.72	10.20	

**Semi-Final 1 - 2017 IAAF World Championships (London, GBR)***Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m*

date	09-Aug-17	time	10.27	15.01	20.02	20.19	5 / 3			
reaction time	0.168	interval		4.74	5.01		# of strides	10.27	9.75	0.52
wind	2.1 m/s	velocity	9.74	10.55	9.98	9.91	85.7	9.74	10.26	

**Miura, Reona (JPN) (2000)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****U20 FINAL - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)** *Miura (2019) - research on athlete performance and technique- 2019 data book*

date	20-Oct-19	time	5.99	10.79	15.84	21.27	21.27	3 / 2		
reaction time	0.161	interval		4.80	5.05	5.43		# of strides	10.79	10.48
wind	-1.2 m/s	velocity	8.35	10.42	9.90	9.21	9.40	94.2	9.27	9.54

**FINAL - 2018 Japanese National Junior (U20) Championships (Nagano, JPN)***Ryutaro (2018) - research on athlete performance and technique*

date	21-Oct-18	time	6.07	10.84	15.89	21.38	21.38	3 / 7		
reaction time	0.155	interval		4.77	5.05	5.49		# of strides	10.84	10.54
wind	0.5 m/s	velocity	8.24	10.48	9.90	9.11	9.35	95.2	9.23	9.49

**Miwa, Sota (JPN) (2002)** **50m 100m 150m Official Time Lane / Place 0-100m 100-200m Differential****A FINAL - 2020 Japanese High School National Championships (Hiroshima, JPN)** *Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020*

date	25-Oct-20	time	5.95	10.69	15.64	20.88	20.88	6 / 1		
reaction time	0.162	interval		4.74	4.95	5.24	PB	# of strides	10.69	10.19
wind	1.0 m/s	velocity	8.40	10.55	10.10	9.54	9.58	94.8	9.35	9.81

**Heat 1 - 2020 Japanese High School National Championships (Hiroshima, JPN)***Kobayashi (2002) - national high school and U20 national championships*

date	25-Oct-20	time	5.98	10.77	15.82	21.17	21.17	4 / 1		
reaction time	0.175	interval		4.79	5.05	5.35		# of strides	10.77	10.40
wind	1.6 m/s	velocity	8.36	10.44	9.90	9.35	9.45	97.2	9.29	9.62

**Miyamoto, Daisuke (JPN) (1999)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Heat 3 - 2018 Shizuoka International Meeting (Fukuroi, JPN)***Ryutaro (2018) - research on athlete performance and technique- 2018 data book*

date	03-May-18	time	5.89	10.68	15.70	21.13	21.13	9 / 6		
reaction time	0.160	interval		4.79	5.02	5.43		# of strides	10.68	10.45
wind	-0.2 m/s	velocity	8.49	10.44	9.96	9.21	9.47	97.0	9.36	9.57

**FINAL - 2017 Japanese National High School Championships (Yamagata, JPN)***Kota (2017) - 70th high school championships: JAF scientific committee*

date	01-Aug-17	time	5.54	10.79	15.80	21.18	21.18	5 / 4		
reaction time	0.178	interval		5.25	5.01	5.38		# of strides	10.79	10.39
wind	0.5 m/s	velocity	9.03	9.52	9.98	9.29	9.44		9.27	9.62

**Miyawaki, Akira (JPN) (2006)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2024 Japanese National High School Championships (Fukuoka, JPN)***Takashima (2024) - national high school sports festival - biomechanics data*

date	31-Jul-24	time	5.94	10.74	15.66	20.91	20.91	6 / 3		
reaction time	0.184	interval		4.80	4.92	5.25	PB	# of strides	10.74	10.17
wind	0.1 m/s	velocity	8.42	10.42	10.16	9.52	9.56		9.31	9.83

**Mizukubo, Soshi (JPN) (1999)** **50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2023 Japanese National Championships (Osaka, JPN)***Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC*

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

date	02-Jun-23	time	5.86	10.48	15.39	20.66	20.66	4 / 3			
reaction time	0.170	interval		4.62	4.91	5.27		# of strides	10.48	10.18	0.30
wind	-0.2 m/s	velocity	8.53	10.82	10.18	9.49	9.68	92.0	9.54	9.82	

**FINAL** - 2016 Japanese National High School Championships (Okayama, JPN) *Kota (2016) - 69th high school championships: JAF scientific committee*

date	01-Aug-16	time	5.54	10.79	15.83	21.22	21.22	5 / 5			
reaction time	0.152	interval		5.25	5.04	5.39	<b>PB</b>	# of strides	10.79	10.43	0.36
wind	-0.1 m/s	velocity	9.03	9.52	9.92	9.28	9.43		9.27	9.59	

**Moen, Geir (NOR) (1969)**

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Semi-Final 1</b> - 2002 European Championships (Munich, GER) <i>Graubner (2009) - http://www.fgs.uni-halle.de</i>											
date	09-Aug-02	time	6.11	10.93	15.90	21.21	21.21	/ 8			
reaction time	0.149	interval		4.82	4.97	5.31		# of strides	10.93	10.28	0.65
wind	-0.5 m/s	velocity	8.18	10.37	10.06	9.42	9.43		9.15	9.73	

**Quarter-Final 2** - 2002 European Championships (Munich, GER) *Graubner (2009) - http://www.fgs.uni-halle.de*

date	08-Aug-02	time	5.92	10.58	15.44	20.86	20.85	/ 4			
reaction time	0.131	interval		4.66	4.86	5.42		# of strides	10.58	10.28	0.30
wind	-0.8 m/s	velocity	8.45	10.73	10.29	9.23	9.59		9.45	9.73	

**FINAL** - 1997 European Cup (Munich GER) *Federle (2009) - http://www.fgs.uni-halle.de*

date	22-Jun-97	time	5.92	10.57	15.39	20.60	20.60	/ 3			
reaction time		interval		4.65	4.82	5.21		# of strides	10.57	10.03	0.54
wind	0.7 m/s	velocity	8.45	10.75	10.37	9.60	9.71		9.46	9.97	

**Mogami, Koki (JPN) (1996)**

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2014 Japanese National High School Championships (Kofu, JPN) <i>Yanagiya (2014) - research on athlete performance and technique- 2014</i>											
date	02-Aug-14	time	5.67	11.04	16.09	21.58	21.58	7 / 7			
reaction time		interval		5.37	5.05	5.49		# of strides	11.04	10.54	0.50
wind	-1.6 m/s	velocity	8.82	9.31	9.90	9.11	9.27		9.06	9.49	

**Mohamed, Abdulaziz (QAT) (2001)**

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2020 Doha Diamond League (Doha, QAT) <i>Omega Timing (2020) - diamond league race analysis</i>											
date	25-Sep-20	time	6.0	10.6	15.5	20.88	20.88	8 / 6			
reaction time	0.143	interval		4.60	4.90	5.38		# of strides	10.60	10.28	0.32
wind	0.9 m/s	velocity	8.33	10.87	10.20	9.29	9.58	91.7	9.43	9.73	

**Mokdasi, Andreas (SWE) (1984)**

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>C FINAL</b> - 2008 Windsprint (Sundsvall, SWE) <i>(2008) - www.ssg.se/en/Windsprint/Split-times/</i>											
date	06-Jul-08	time		11.21	16.41	21.90	21.90	2 / 3			
reaction time		interval			5.20	5.49		# of strides	11.21	10.69	0.52
wind	0.8 m/s	velocity		8.92	9.62	9.11	9.13		8.92	9.35	

**B FINAL** - 2007 Windsprint (Sundsvall, SWE) *(2007) - www.ssg.se/en/Windsprint/Split-times/*

date	24-Jul-07	time		11.10	16.13	21.51	21.51	5 / 1			
reaction time		interval			5.03	5.38		# of strides	11.10	10.41	0.69
wind	0.9 m/s	velocity		9.01	9.94	9.29	9.30		9.01	9.61	

**Molnár, Tamás (HUN) (1968)**

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 1991 European Cup (Frankfurt, GER) <i>Federle (2003) - http://www.fgs.uni-halle.de</i>											
date	30-Jun-91	time		10.93		21.39	21.39	/ 8			
reaction time		interval				10.46		# of strides	10.93	10.46	0.47
wind	-1.6 m/s	velocity		9.15		9.56	9.35		9.15	9.56	

**Moore, Carlos (USA) (1984)**

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2003 USATF National Junior Championships (Palo Alto, CA) <i>USATF Women's Sprint Development (2003)</i>											
date	21-Jun-03	time	6.00	10.76	15.72	21.26	21.26	7 / 4			
reaction time		interval		4.76	4.96	5.54		# of strides	10.76	10.50	0.26
wind	-1.8 m/s	velocity	8.33	10.50	10.08	9.03	9.41		9.29	9.52	

**Mori, Zhou (JPN)**

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2017 Japanese National High School Championships (Yamagata, JPN) <i>Kota (2017) - 70th high school championships: JAF scientific committee</i>											
date	01-Aug-17	time	5.79	11.28	16.64	22.85	22.85	2 / 8			
reaction time	0.145	interval		5.49	5.36	6.21		# of strides	11.28	11.57	-0.29
wind	0.5 m/s	velocity	8.64	9.11	9.33	8.05	8.75		8.87	8.64	



		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Morrow, Elijah (USA) (1995)</b>											
<b>Semi-Final 2</b> - 2024 USA Olympic Trials (Eugene, OR)						USATF and Karmarush (2024) - USA Olympic trials results and race analysis					
date	28-Jun-24	time	6.02	10.75	15.60	20.66	20.66	1 / 7			
reaction time		interval	4.73	4.85	5.06			# of strides	10.75	9.91	0.84
wind	0.7 m/s	velocity	8.31	10.57	10.31	9.88	9.68	92.0	9.30	10.09	
<b>Heat 2</b> - 2024 USA Olympic Trials (Eugene, OR)											
						USATF and Karmarush (2024) - USA Olympic trials results and race analysis					
date	27-Jun-24	time	5.90	10.68	15.61	20.93	20.93	5 / 7			
reaction time		interval	4.78	4.93	5.32			# of strides	10.68	10.25	0.43
wind	0.0 m/s	velocity	8.47	10.46	10.14	9.40	9.56	93.0	9.36	9.76	
<b>Motoshio, Ryo (JPN) (1990)</b>											
<b>FINAL</b> - 2008 Japanese National High School Championships (Kumagaya, JPN)						Abe (2008) - 61st high school championships: JAF scientific committee					
date	01-Aug-08	time	6.03	10.90	16.05	21.51	21.51	/ 1			
reaction time		interval	4.87	5.15	5.46			# of strides	10.90	10.61	0.29
wind	-1.3 m/s	velocity	8.29	10.27	9.71	9.16	9.30		9.17	9.43	
<b>Mouthon, Bastien (SUI) (1994)</b>											
<b>FINAL</b> - 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)						Swiss Athletics (2016) - sprint and hurdle analysis					
date	07-May-16	time	6.02	10.53	15.28		15.28	/ 2		<b>50-150m</b>	
reaction time		interval	4.51	4.75		<b>PB</b>		# of strides	10.53	9.26	
wind	1.3 m/s	velocity	8.31	11.09	10.53		9.82		9.50	10.80	
<b>Mpuang, Thuso (RSA) (1985)</b>											
<b>Heat 9</b> - 2009 IAAF World Championships (Berlin, GER)						Graubner (2009) - biomechanical analyses at the 12th IAAF world championships					
date	18-Aug-09	time	6.01	10.67	15.63	20.91	20.91	4 / 4			
reaction time	0.158	interval	4.66	4.96	5.28			# of strides	10.67	10.24	0.43
wind	-0.7 m/s	velocity	8.32	10.73	10.08	9.47	9.56		9.37	9.77	
<b>Mukai, Yuta (JPN) (2005)</b>											
<b>FINAL</b> - 2023 Japanese National High School Championships (Sapporo, JPN)						Takashima (2023) - national high school sports festival - biomechanics data					
date	05-Aug-23	time	5.96	10.97	15.92	21.02	21.02	5 / 2			
reaction time	0.189	interval	5.01	4.95	5.10			# of strides	10.97	10.05	0.92
wind	2.9 m/s	velocity	8.39	9.98	10.10	9.80	9.51		9.12	9.95	
<b>FINAL</b> - 2023 Japanese U20 National Championships (Osaka, JPN)						Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC					
date	02-Jun-23	time	6.10	10.96	16.02	21.35	21.35	9 / 3			
reaction time	0.164	interval	4.86	5.06	5.33			# of strides	10.96	10.39	0.57
wind	0.2 m/s	velocity	8.20	10.29	9.88	9.38	9.37	98.5	9.12	9.62	
<b>Mullings, Steve (JAM) (1982)</b>											
<b>FINAL</b> - 2009 IAAF World Championships (Berlin, GER)						Graubner (2009) - biomechanical analyses at the 12th IAAF world championships					
date	20-Aug-09	time	5.70	10.20	14.93	19.98	19.98	3 / 5			
reaction time	0.146	interval	4.50	4.73	5.05	<b>PB</b>		# of strides	10.20	9.78	0.42
wind	-0.3 m/s	velocity	8.77	11.11	10.57	9.90	10.01	91.0	9.80	10.22	79.88
<b>Semi-Final 2</b> - 2009 IAAF World Championships (Berlin, GER)						Graubner (2009) - biomechanical analyses at the 12th IAAF world championships					
date	19-Aug-09	time	5.71	10.27	15.09	20.26	20.26	3 / 2			
reaction time	0.156	interval	4.56	4.82	5.17			# of strides	10.27	9.99	0.28
wind	0.3 m/s	velocity	8.76	10.96	10.37	9.67	9.87		9.74	10.01	
<b>Quarter-Final 3</b> - 2009 IAAF World Championships (Berlin, GER)						Graubner (2009) - biomechanical analyses at the 12th IAAF world championships					
date	18-Aug-09	time	5.74	10.30	15.08	20.23	20.23	4 / 1			
reaction time	0.156	interval	4.56	4.78	5.15			# of strides	10.30	9.93	0.37
wind	-0.3 m/s	velocity	8.71	10.96	10.46	9.71	9.89		9.71	10.07	
<b>Heat 3</b> - 2009 IAAF World Championships (Berlin, GER)						Graubner (2009) - biomechanical analyses at the 12th IAAF world championships					
date	18-Aug-09	time	5.81	10.46	15.36	20.62	20.62	5 / 1			
reaction time	0.153	interval	4.65	4.90	5.26			# of strides	10.46	10.16	0.30
wind	0.1 m/s	velocity	8.61	10.75	10.20	9.51	9.70		9.56	9.84	
<b>Mumenthaler, Timothé (SUI) (2002)</b>											
<b>FINAL</b> - 2024 Weltklasse (Zürich, SUI)						Omega Timing (2024) - diamond league race analysis					
date	05-Sep-24	time	5.93	10.57	15.49	20.72	20.72	1 / 8			
reaction time	0.143	interval	4.64	4.92	5.23			# of strides	10.57	10.15	0.42
wind	0.4 m/s	velocity	8.43	10.78	10.16	9.56	9.65	87.0	9.46	9.85	

<b>FINAL - 2024 Athletissima (Lausanne, SUI)</b>								<i>Omega Timing (2024) - diamond league race analysis</i>			
date	22-Aug-24	time	5.87	10.47	15.29	20.54	20.54	2 / 7			
reaction time	0.124	interval		4.60	4.82	5.25		# of strides	10.47	10.07	0.40
wind	0.9 m/s	velocity	8.52	10.87	10.37	9.52	9.74	90.0	9.55	9.93	

<b>Repechage 1 - 2024 Olympic Games (Paris, FRA)</b>								<i>Paris 2024 Olympic Games - Results Book (2024)</i>			
date	06-Aug-24	time	5.95	10.62	15.46	20.67	20.67	5 / 3			
reaction time	0.134	interval		4.67	4.84	5.21		# of strides	10.62	10.05	0.57
wind	1.0 m/s	velocity	8.40	10.71	10.33	9.60	9.68	91.0	9.42	9.95	

<b>Heat 3 - 2024 Olympic Games (Paris, FRA)</b>								<i>Paris 2024 Olympic Games - Results Book (2024)</i>			
date	05-Aug-24	time	5.91	10.60	15.44	20.63	20.63	5 / 5			
reaction time	0.147	interval		4.69	4.84	5.19		# of strides	10.60	10.03	0.57
wind	-0.1 m/s	velocity	8.46	10.66	10.33	9.63	9.69	89.7	9.43	9.97	

<b>Murakami, Ryoto (JPN) (1998)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL - 2016 Japanese National High School Championships (Okayama, JPN)</b>								<i>Kota (2016) - 69th high school championships: JAF scientific committee</i>			
date	01-Aug-16	time	5.65	11.09	16.18	21.65	21.65	9 / 7			
reaction time	0.147	interval		5.44	5.09	5.47		# of strides	11.09	10.56	0.53
wind	-0.1 m/s	velocity	8.85	9.19	9.82	9.14	9.24		9.02	9.47	

<b>Murayoshi, Seiji (JPN) (1991)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL - 2009 Japanese National High School Championships (Nara, JPN)</b>								<i>Matsuo (2009) - 62nd high school championships: JAF scientific committee</i>			
date	01-Aug-09	time	6.05	11.10	16.18	21.43	21.43	2 / 6			
reaction time		interval		5.05	5.08	5.25		# of strides	11.10	10.33	0.77
wind	1.6 m/s	velocity	8.26	9.90	9.84	9.52	9.33		9.01	9.68	

<b>Murphy, Aidan (AUS) (2003)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Heat 3 - 2023 World Athletics Championships (Budapest, HUN)</b>								<i>Seiko Timing (2023) - world championship race analysis</i>			
date	23-Aug-23	time		10.81	20.90	20.90		6 / 6			
reaction time	0.139	interval			10.09			# of strides	10.81	10.09	0.72
wind	-1.4 m/s	velocity		9.25	9.91	9.57		89.0	9.25	9.91	

<b>Heat 5 - 2022 World Athletics Championships (Eugene, OR)</b>								<i>Timing by Seiko (2022) - world athletics championships race analysis</i>			
date	18-Jul-22	time		10.77	20.75	20.75		2 / 6			
reaction time	0.144	interval			9.98			# of strides	10.77	9.98	0.79
wind	0.4 m/s	velocity		9.29	10.02	9.64		87.2	9.29	10.02	

<b>Musah, Kojo (DEN) (1996)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL - 2020 Memorial Van Damme (Brussels, BEL)</b>								<i>Omega Timing (2020) - diamond league race analysis</i>			
date	04-Sep-20	time	5.9	10.6	15.6	20.99	20.99	3 / 4			
reaction time	0.131	interval		4.70	5.00	5.39		# of strides	10.60	10.39	0.21
wind	0.1 m/s	velocity	8.47	10.64	10.00	9.28	9.53	88.5	9.43	9.62	

<b>Myricks, Larry (USA) (1956)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL - 1984 USA Olympic Trials (Los Angeles, CA)</b>								<i>Hymans (2008) - history of the US olympic trials - track and field</i>			
date	21-Jun-84	time		10.39	20.50	20.50		4 / 6			
reaction time		interval			10.11			# of strides	10.39	10.11	0.28
wind	-0.2 m/s	velocity		9.62	9.89	9.76			9.62	9.89	

<b>Semi-Final 1 - 1984 USA Olympic Trials (Los Angeles, CA)</b>								<i>Hymans (2020) - history of the US olympic trials - track and field</i>			
date	21-Jun-84	time		10.44	20.73	20.73		1 / 3			
reaction time		interval			10.29			# of strides	10.44	10.29	0.15
wind	-1.3 m/s	velocity		9.58	9.72	9.65			9.58	9.72	

<b>Nagata, Shunto (JPN) (1996)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL - 2014 Japanese National High School Championships (Kofu, JPN)</b>								<i>Yanagiya (2014) - research on athlete performance and technique- 2014</i>			
date	02-Aug-14	time	5.62	10.92	15.92	21.40	21.40	8 / 5			
reaction time		interval		5.30	5.00	5.48		# of strides	10.92	10.48	0.44
wind	-1.6 m/s	velocity	8.90	9.43	10.00	9.12	9.35		9.16	9.54	

<b>Nagata, Takuya (JPN) (1994)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Heat 1 - 2018 Shizuoka International Meeting (Fukuroi, JPN)</b>								<i>Ryutaro (2018) - research on athlete performance and technique- 2018 data book</i>			
date	03-May-18	time	5.82	10.51	15.50	20.92	20.92	3 / 1			
reaction time	0.179	interval		4.69	4.99	5.42		# of strides	10.51	10.41	0.10
wind	-0.4 m/s	velocity	8.59	10.66	10.02	9.23	9.56	94.2	9.51	9.61	

<b>FINAL</b> - 2016 Shizuoka International Athletics Meeting (Fukuroi, JPN) <i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>										
date	03-May-16	time	5.95	10.71	15.61	20.86	20.86		/ 4	
reaction time		interval		4.76	4.90	5.25			# of strides	10.71 10.15 0.56
wind	1.0 m/s	velocity	8.40	10.50	10.20	9.52	9.59			9.34 9.85

<b>FINAL</b> - 2015 Japanese National Championships (Niigata, JPN) <i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>										
date	27-Jun-15	time	5.89	10.56	15.47	20.63	20.63		8 / 4	
reaction time	0.142	interval		4.67	4.91	5.16	<b>PB</b>		# of strides	10.56 10.07 0.49
wind	0.8 m/s	velocity	8.49	10.71	10.18	9.69	9.69		92.0	9.47 9.93

<b>Nahal, Mouncef (MAR) (2003)</b> <b>50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential</b>										
<b>National FINAL</b> - 2023 Meeting International Mohammed VI d' Athlétime (Rabat, MAR) <i>Omega Timing (2023) - diamond league race analysis</i>										
date	28-May-23	time	6.16	11.17	16.36	21.89	21.89		3 / 3	
reaction time	0.151	interval		5.01	5.19	5.53	<b>PB</b>		# of strides	11.17 10.72 0.45
wind	-0.2 m/s	velocity	8.12	9.98	9.63	9.04	9.14			8.95 9.33

<b>Nakagawa, Fumiya (JPN) (1991)</b> <b>50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential</b>										
<b>FINAL</b> - 2008 Japanese National High School Championships (Kumagaya, JPN) <i>Abe (2008) - 61st high school championships: JAF scientific committee</i>										
date	01-Aug-08	time	6.20	11.27	16.55	22.15	22.15		/ 7	
reaction time		interval		5.07	5.28	5.60			# of strides	11.27 10.88 0.39
wind	-1.3 m/s	velocity	8.06	9.86	9.47	8.93	9.03			8.87 9.19

<b>Nakamura, Haruto (JPN) (2007)</b> <b>50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential</b>										
<b>FINAL</b> - 2024 Japanese National High School Championships (Fukuoka, JPN) <i>Takashima (2024) - national high school sports festival - biomechanics data</i>										
date	31-Jul-24	time	6.00	10.86	15.80	21.09	21.09		9 / 5	
reaction time	0.160	interval		4.86	4.94	5.29	<b>PB</b>		# of strides	10.86 10.23 0.63
wind	0.1 m/s	velocity	8.33	10.29	10.12	9.45	9.48			9.21 9.78

<b>Nakamura, Keisuke (JPN) (1991)</b> <b>50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential</b>										
<b>FINAL</b> - 2009 Japanese National High School Championships (Nara, JPN) <i>Matsuo (2009) - 62nd high school championships: JAF scientific committee</i>										
date	01-Aug-09	time	6.16	11.10	16.19	21.58	21.58		6 / 7	
reaction time		interval		4.94	5.09	5.39			# of strides	11.10 10.48 0.62
wind	1.6 m/s	velocity	8.12	10.12	9.82	9.28	9.27			9.01 9.54

<b>Nakamura, Shota (JPN) (2001)</b> <b>50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential</b>										
<b>FINAL</b> - 2019 Japanese National High School Championships (Okinawa, JPN) <i>Kota (2019) - 72nd high school championships: JAF scientific committee</i>										
date	07-Aug-19	time	6.05	10.85	15.89	21.26	21.26		2 / 7	
reaction time		interval		4.80	5.04	5.37			# of strides	10.85 10.41 0.44
wind	2.1 m/s	velocity	8.26	10.42	9.92	9.31	9.41			9.22 9.61

<b>Nakatani, Hayata (JPN) (2004)</b> <b>50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential</b>										
<b>FINAL</b> - 2022 Japanese National High School Championships (Naruto, JPN) <i>Takashima (2022) - national high school championships biomechanics data collection</i>										
date	06-Aug-22	time	6.64	11.06	16.17	21.77	21.77		3 / 7	
reaction time	0.150	interval		4.42	5.11	5.60			# of strides	11.06 10.71 0.35
wind	-2.3 m/s	velocity	7.53	11.31	9.78	8.93	9.19			9.04 9.34

<b>Naoki, Masafumi (JPN) (1993)</b> <b>50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential</b>										
<b>A FINAL</b> - 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN) <i>Kobayashi (2019) - research on athlete performance technique- 2019 data book</i>										
date	03-May-19	time	5.94	10.68	15.65	20.99	20.99		4 / 3	
reaction time		interval		4.74	4.97	5.34			# of strides	10.68 10.31 0.37
wind	0.5 m/s	velocity	8.42	10.55	10.06	9.36	9.53		90.0	9.36 9.70

<b>FINAL</b> - 2018 Japanese Corporate Championships (Osaka, JPN) <i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>										
date	22-Sep-18	time	5.86	10.52	15.46	20.86	20.86		6 / 2	
reaction time	0.101	interval		4.66	4.94	5.40			# of strides	10.52 10.34 0.18
wind	0.1 m/s	velocity	8.53	10.73	10.12	9.26	9.59		89.7	9.51 9.67

<b>FINAL</b> - 2018 Japanese National Championships (Yamaguchi, JPN) <i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>										
date	24-Jun-18	time	5.91	10.62	15.55	20.91	20.91		3 / 7	
reaction time	0.167	interval		4.71	4.93	5.36			# of strides	10.62 10.29 0.33
wind	0.8 m/s	velocity	8.46	10.62	10.14	9.33	9.56		90.2	9.42 9.72

<b>Napier, Dino (USA) (1969)</b> <b>50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential</b>										
<b>Semi-Final 1</b> - 1996 USA Olympic Trials (Atlanta, GA) <i>USATF Women's Sprint Development (1996)</i>										
date	23-Jun-96	time		10.58	15.20	20.22	20.22		4 / 6	

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

reaction time	interval		4.62	5.02		# of strides	10.58	9.64	0.94
wind	2.7 m/s	velocity	9.45	10.82	9.96	9.89	9.45	10.37	

**Quarter-Final 3 - 1996 USA Olympic Trials (Atlanta, GA)***Hymans (2020) - history of the US olympic trials - track and field*

date	22-Jun-96	time	10.64	20.33	20.33		/ 3		
reaction time		interval		9.69		# of strides	10.64	9.69	0.95
wind	0.7 m/s	velocity	9.40	10.32	9.84		9.40	10.32	

**Heat 4 - 1996 USA Olympic Trials (Atlanta, GA)***Hymans (2020) - history of the US olympic trials - track and field*

date	21-Jun-96	time	10.49	20.47	20.47		/ 4		
reaction time		interval		9.98		# of strides	10.49	9.98	0.51
wind	0.9 m/s	velocity	9.53	10.02	9.77		9.53	10.02	

**Nashimoto, Masaki (JPN) (1993)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2011 Japanese National High School Championships (Kitakami, JPN)***Abe (2011) - 64th high school championships: JAF scientific committee*

date	06-Aug-11	time	6.06	10.89	15.67	20.97	20.97		/ 1	
reaction time		interval	4.83	4.78	5.30	<b>PB</b>	# of strides	10.89	10.08	0.81
wind	-0.4 m/s	velocity	8.25	10.35	10.46	9.43	9.54	9.18	9.92	

**Nazareno, Franklin (ECU) (1987)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Quarter-Final 4 - 2007 IAAF World Championships (Osaka, JPN)***Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	28-Aug-07	time	6.08	10.92	16.04	21.50	21.50		9 / 8	
reaction time	0.159	interval	4.84	5.12	5.46		# of strides	10.92	10.58	0.34
wind	0.6 m/s	velocity	8.22	10.33	9.77	9.16	9.30	9.16	9.45	

**Nelloms, Chris (USA) (1971)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Quarter-Final 3 - 1996 USA Olympic Trials (Atlanta, GA)***Hymans (2020) - history of the US olympic trials - track and field*

date	22-Jun-96	time	10.51	20.71	20.71		/ 6		
reaction time		interval		10.20		# of strides	10.51	10.20	0.31
wind	0.7 m/s	velocity	9.51	9.80	9.66		9.51	9.80	

**Heat 1 - 1996 USA Olympic Trials (Atlanta, GA)***Hymans (2020) - history of the US olympic trials - track and field*

date	21-Jun-96	time	10.50	20.58	20.58		/ 6		
reaction time		interval		10.08		# of strides	10.50	10.08	0.42
wind	1.1 m/s	velocity	9.52	9.92	9.72		9.52	9.92	

**Nemeček, Daniel (CZE) (1991)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2013 Czech Republic National Championships (Tábor, CZE)***Feher (2013) - Final report men's & women's Czech Republic national champs*

date	16-Jun-13	time	6.21	11.04	16.14	21.49	21.49		8 / 5	
reaction time	0.199	interval	4.83	5.10	5.35		# of strides	11.04	10.45	0.59
wind	-0.9 m/s	velocity	8.05	10.35	9.80	9.35	9.31	9.06	9.57	

**Heat 1 - 2013 Czech Republic National Championships (Tábor, CZE)***Feher (2013) - Final report men's & women's Czech Republic national champs*

date	16-Jun-13	time	6.28	11.17	16.29	21.70	21.70		5 / 2	
reaction time	0.197	interval	4.89	5.12	5.41		# of strides	11.17	10.53	0.64
wind	-0.7 m/s	velocity	7.96	10.22	9.77	9.24	9.22	8.95	9.50	

**Němejč, Tomáš (CZE) (2000)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Repechage 4 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympc Games - Results Book (2024)*

date	06-Aug-24	time	5.95	10.61	15.53	20.84	20.84		3 / 5	
reaction time	0.160	interval	4.66	4.92	5.31		# of strides	10.61	10.23	0.38
wind	0.3 m/s	velocity	8.40	10.73	10.16	9.42	9.60	87.5	9.43	9.78

**Heat 2 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympc Games - Results Book (2024)*

date	05-Aug-24	time	5.96	10.67	15.63	21.03	21.03		4 / 7	
reaction time	0.183	interval	4.71	4.96	5.40		# of strides	10.67	10.36	0.31
wind	-0.1 m/s	velocity	8.39	10.62	10.08	9.26	9.51	88.0	9.37	9.65

**Nevers, Adolphus (JAM) (1990)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****A FINAL - 2013 Windsprint (Sundsvall, SWE)***(2013) - www.ssg.se/windsprint/Splittider/*

date	28-Jul-13	time	10.52	15.38	20.58	20.58		6 / 2		
reaction time		interval		4.86	5.20		# of strides	10.52	10.06	0.46
wind	2.2 m/s	velocity	9.51	10.29	9.62	9.72	86.0	9.51	9.94	

**Neville, David (USA) (1984)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2012 Great CityGames (Manchester, GBR) (200m straightaway)***Jalava (2012) - www.tilastopaja.org*

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

date	20-May-12	time	10.64	20.71	20.71	3 / 3			
reaction time		interval		10.07		# of strides	10.64	10.07	0.57
wind	0.2 m/s	velocity	9.40	4.83	9.66		9.40	9.93	

**FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)**

USATF Women's Sprint Development (2003)

date	21-Jun-03	time	6.22	11.11	15.95	21.11	21.11	5 / 2	
reaction time		interval	4.89	4.84	5.16		# of strides	11.11	10.00
wind	-1.8 m/s	velocity	8.04	10.22	10.33	9.69	9.47	9.00	10.00

**Newman, Calesio (USA) (1986)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL - 2012 USA Olympic Trials (Eugene, OR)**

Hymans (2020) - history of the US olympic trials - track and field

date	01-Jul-12	time	10.3		20.17	20.17	8 / 4		
reaction time	0.192	interval		9.87		# of strides	10.30	9.87	0.43
wind	2.3 m/s	velocity	9.71		10.13	9.92		9.71	10.13

**Niit, Marek (EST) (1987)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**Heat 4 - 2009 IAAF World Championships (Berlin, GER)**

Graubner (2009) - biomechanical analyses at the 12th IAAF world championships

date	18-Aug-09	time	5.93	10.80	15.85	21.21	21.21	7 / 3	
reaction time	0.154	interval	4.87	5.05	5.36		# of strides	10.80	10.41
wind	0.2 m/s	velocity	8.43	10.27	9.90	9.33	9.43	9.26	9.61

**Nkanata, Carvin (KEN) (1991)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL - 2015 Seiko Golden Grand Prix (Kawasaki, JPN)**

Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015

date	10-May-15	time	5.94	10.54	15.36	20.50	20.50	5 / 2	
reaction time		interval	4.60	4.82	5.14		# of strides	10.54	9.96
wind	-0.5 m/s	velocity	8.42	10.87	10.37	9.73	9.76	87.5	9.49

**Niwayama, Haruki (JPN) (2006)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL - 2024 Japanese National High School Championships (Fukuoka, JPN)**

Takashima (2024) - national high school sports festival - biomechanics data

date	31-Jul-24	time	5.95	10.71	15.76	21.09	21.09	3 / 4	
reaction time	0.184	interval	4.76	5.05	5.33	PB	# of strides	10.71	10.38
wind	0.1 m/s	velocity	8.40	10.50	9.90	9.38	9.48	9.34	9.63

**Nohava, Vojtech (CZE) (1992)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**Heat 3 - 2013 Czech Republic National Championships (Tábor, CZE)**

Feher (2013) - Final report men's & women's Czech Republic national champs

date	16-Jun-13	time	6.33	11.30	16.64	22.42	22.42	7 / 6	
reaction time	0.267	interval	4.97	5.34	5.78		# of strides	11.30	11.12
wind	-0.9 m/s	velocity	7.90	10.06	9.36	8.65	8.92	8.85	8.99

**Nomura, Shogo (JPN) (1990)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL - 2008 Japanese National High School Championships (Kumagaya, JPN)**

Abe (2008) - 61st high school championships: JAF scientific committee

date	01-Aug-08	time	6.14	11.07	16.25	21.85	21.85	1 / 4	
reaction time		interval	4.93	5.18	5.60		# of strides	11.07	10.78
wind	-1.3 m/s	velocity	8.14	10.14	9.65	8.93	9.15	9.03	9.28

**Nordkvist, Alexander (SWE) (1990)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**B FINAL - 2013 Windsprint (Sundsvall, SWE)**

(2013) - www.ssg.se/windsprint/Splittider/

date	28-Jul-13	time	11.21	16.41	21.88	21.88	2 / 5		
reaction time		interval		5.20	5.47		# of strides	11.21	10.67
wind	3.1 m/s	velocity	8.92	9.62	9.14	9.14		8.92	9.37

**Norgren, Daniel (SWE) (1990)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**D FINAL - 2007 Windsprint (Sundsvall, SWE)**

(2007) - www.ssg.se/en/Windsprint/Split-times/

date	24-Jul-07	time	11.46	16.67	22.35	22.35	3 / 2		
reaction time		interval		5.21	5.68		# of strides	11.46	10.89
wind	0.5 m/s	velocity	8.73	9.60	8.80	8.95		8.73	9.18

**Norman, Michael (USA) (1997)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL - 2023 Doha Diamond League (Doha, QAT)**

Omega Timing (2023) - diamond league race analysis

date	05-May-23	time	5.93	10.54	15.45	20.65	20.65	5 / 8	
reaction time	0.145	interval	4.61	4.91	5.20		# of strides	10.54	10.11
wind	0.3 m/s	velocity	8.43	10.85	10.18	9.62	9.69	89.5	9.49

**FINAL - 2022 Athletissima (Lausanne, SUI)**

Omega Timing (2022) - diamond league race analysis

date	26-Aug-22	time	5.62	10.09	14.77	19.76	19.76	6 / 2	
reaction time	0.138	interval	4.47	4.68	4.99		# of strides	10.09	9.67

wind 1.3 m/s velocity 8.90 11.19 10.68 10.02 10.12 87.0 9.91 10.34

**FINAL - 2022 Herculis Meeting International d'Athlétisme (Monaco, MON)***Omega Timing (2022) - diamond league race analysis*

date 10-Aug-22 time 5.71 10.23 14.97 19.95 19.95 5 / 3  
 reaction time 0.168 interval 4.52 4.74 4.98 # of strides 10.23 9.72 0.51  
 wind 0.8 m/s velocity 8.76 11.06 10.55 10.04 10.03 87.0 9.78 10.29

**FINAL - 2019 Seiko Golden Grand Prix (Osaka, JPN)***Hirokawa (2019) - research on athlete performance and technique- 2019 data book*

date 19-May-19 time 5.67 10.14 14.85 19.84 19.84 6 / 1  
 reaction time 0.156 interval 4.47 4.71 4.99 =PB # of strides 10.14 9.70 0.44  
 wind -0.4 m/s velocity 8.82 11.19 10.62 10.02 10.08 86.0 9.86 10.31

**FINAL - 2016 USA Olympic Trials (Eugene, OR)***Hymans (2020) - history of the US olympic trials - track and field*

date 09-Jul-16 time 10.5 20.14 20.14 6 / 5  
 reaction time 0.191 interval 9.64 PB # of strides 10.50 9.64 0.86  
 wind 1.6 m/s velocity 9.52 10.37 9.93 86.5 9.52 10.37

**Norman, Peter (AUS) (1942)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL - 1968 Olympic Games (Mexico City, MEX) (Altitude)***Hymans (2015) - progression of IAAF world records*

date 16-Oct-68 time 10.7 20.1 20.06 6 / 2  
 reaction time interval 9.40 # of strides 10.70 9.40 1.30  
 wind 0.9 m/s velocity 9.35 10.64 9.97 91.0 9.35 10.64

**Norwood, Vernon (USA) (1992)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL - 2021 Weltklasse (Zürich, SUI)***Omega Timing (2021) - diamond league race analysis*

date 09-Sep-21 time 5.9 10.6 15.4 20.46 20.46 2 / 7  
 reaction time 0.150 interval 4.70 4.80 5.06 # of strides 10.60 9.86 0.74  
 wind 0.5 m/s velocity 8.47 10.64 10.42 9.88 9.78 85.0 9.43 10.14

**FINAL - 2021 Prefontaine Classic (Eugene, OR)***Omega Timing (2021) - diamond league race analysis*

date 21-Aug-21 time 6.0 10.7 15.4 20.36 20.36 3 / ~~8~~ 7  
 reaction time 0.152 interval 4.70 4.70 4.96 # of strides 10.70 9.66 1.04  
 wind 1.5 m/s velocity 8.33 10.64 10.64 10.08 9.82 84.5 9.35 10.35

**FINAL - 2021 Bislett Games (Oslo, NOR)***Omega Timing (2021) - diamond league race analysis*

date 01-Jul-21 time 6.0 10.7 15.6 20.74 20.74 3 / 5  
 reaction time 0.160 interval 4.70 4.90 5.14 # of strides 10.70 10.04 0.66  
 wind -1.0 m/s velocity 8.33 10.64 10.20 9.73 9.64 86.7 9.35 9.96

**FINAL - 2021 Müller Grand Prix (Gateshead, GBR)***Omega Timing (2021) - diamond league race analysis*

date 23-May-21 time 6.4 11.1 16.1 20.95 20.95 8 / 4  
 reaction time 0.155 interval 4.70 5.00 4.85 # of strides 11.10 9.85 1.25  
 wind -3.0 m/s velocity 7.81 10.64 10.00 10.31 9.55 86.5 9.01 10.15

**Obikwelu, Francis (POR) (1978)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL - 2012 Great CityGames (Manchester, GBR) (150m straightaway)***Jalava (2012) - www.tilastopaja.org*

date 20-May-12 time 10.66 15.70 15.70 4 / 4  
 reaction time interval 5.04 # of strides 10.66  
 wind -0.1 m/s velocity 9.38 9.92 9.55 9.38

**FINAL - 2010 Great CityGames (Manchester, GBR) (150m straightaway)***Jalava (2010) - www.tilastopaja.org*

date 16-May-10 time 10.33 15.34 15.34 4 / 2  
 reaction time interval 5.01 # of strides 10.33  
 wind -1.1 m/s velocity 9.68 9.98 9.78 9.68

**Semi-Final 1 - 2007 IAAF World Championships (Osaka, JPN)***Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date 29-Aug-07 time 5.84 10.30 15.13 20.40 20.40 8 / 5  
 reaction time 0.167 interval 4.46 4.83 5.27 # of strides 10.30 10.10 0.20  
 wind -0.4 m/s velocity 8.56 11.21 10.35 9.49 9.80 83.2 9.71 9.90

**Quarter-Final 3 - 2007 IAAF World Championships (Osaka, JPN)***Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date 28-Aug-07 time 5.88 10.35 15.15 20.38 20.38 3 / 3  
 reaction time 0.164 interval 4.47 4.80 5.23 # of strides 10.35 10.03 0.32  
 wind 0.9 m/s velocity 8.50 11.19 10.42 9.56 9.81 85.2 9.66 9.97

**FINAL - 2004 Olympic Games (Athens, GRE)***Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016*

date	26-Aug-04	time	10.3	20.1	20.14	6 / 5			
reaction time	0.183	interval		9.80		# of strides	10.30	9.80	0.50
wind	1.2 m/s	velocity	9.71	10.20	9.93		9.71	10.20	

**FINAL - 2002 European Championships (Munich, GER)***Graubner (2009) - http://www.fgs.uni-halle.de*

date	09-Aug-02	time	5.83	10.39	15.13	20.21	20.21	/ 2	
reaction time	0.161	interval		4.56	4.74	5.08	<b>NR</b>	# of strides	10.39 9.82 0.57
wind	-0.5 m/s	velocity	8.58	10.96	10.55	9.84	9.90		9.62 10.18

**Semi-Final 1 - 2002 European Championships (Munich, GER)***Graubner (2009) - http://www.fgs.uni-halle.de*

date	09-Aug-02	time	5.81	10.41	15.25	20.48	20.48	/ 2	
reaction time	0.143	interval		4.60	4.84	5.23		# of strides	10.41 10.07 0.34
wind	-0.5 m/s	velocity	8.61	10.87	10.33	9.56	9.77		9.61 9.93

**Quarter-Final 3 - 2002 European Championships (Munich, GER)***Graubner (2009) - http://www.fgs.uni-halle.de*

date	08-Aug-02	time	5.94	10.52	15.31	20.60	20.60	/ 2	
reaction time	0.173	interval		4.58	4.79	5.29		# of strides	10.52 10.08 0.44
wind	-0.3 m/s	velocity	8.42	10.92	10.44	9.45	9.71		9.51 9.92

**Heat 4 - 2002 European Championships (Munich, GER)***Graubner (2009) - http://www.fgs.uni-halle.de*

date	08-Aug-02	time	10.46	15.26	20.55	20.55	/ 1		
reaction time	0.172	interval		4.80	5.29			# of strides	10.46 10.09 0.37
wind	0.8 m/s	velocity	9.56	10.42	9.45	9.73			9.56 9.91

*Obikwelu, Francis (NGR) (1978)***FINAL - 1999 IAAF World Championships (Sevilla, ESP)***Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999*

date	17-Aug-99	time	5.83	10.28	15.02	20.11	20.11	4 / 3	
reaction time	0.174	interval		4.45	4.74	5.09		# of strides	10.28 9.83 0.45
wind	1.2 m/s	velocity	8.58	11.24	10.55	9.82	9.95		9.73 10.17

**Oduduru, Divine (NGR) (1996)****50m 100m 150m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2019 Meeting de Paris (Paris, FRA)***Omega Timing (2019) - diamond league race analysis*

date	24-Aug-19	time	5.8	10.4	15.2	20.50	20.50	2 / 6	
reaction time	0.146	interval		4.6	4.8	5.30		# of strides	10.40 10.10 0.30
wind	0.2 m/s	velocity	8.62	10.87	10.42	9.43	9.76	85.0	9.62 9.90

**Ogando, Alexander (DOM) (2000)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2024 Memorial van damme (Brussels, BEL)***Omega Timing (2024) - diamond league race analysis*

date	14-Sep-24	time	5.94	10.47	15.07	19.97	19.97	8 / 3	
reaction time	0.156	interval		4.53	4.60	4.90		# of strides	10.47 9.50 0.97
wind	0.7 m/s	velocity	8.42	11.04	10.87	10.20	10.02	88.2	9.55 10.53

**FINAL - 2024 Weltklasse (Zürich, SUI)***Omega Timing (2024) - diamond league race analysis*

date	05-Sep-24	time	5.92	10.36	14.93	19.87	19.87	8 / 5	
reaction time	0.161	interval		4.44	4.57	4.94		# of strides	10.36 9.51 0.85
wind	0.4 m/s	velocity	8.45	11.26	10.94	10.12	10.07	84.0	9.65 10.52

**FINAL - 2024 Kamila Skolimowska Memorial (Silesia, POL)***Omega Timing (2024) - diamond league race analysis*

date	25-Aug-24	time	5.98	10.48	15.02	19.86	19.86	8 / 2	
reaction time	0.129	interval		4.50	4.54	4.84	<b>NR PB</b>	# of strides	10.48 9.38 1.10
wind	0.6 m/s	velocity	8.36	11.11	11.01	10.33	10.07	89.7	9.54 10.66

**FINAL - 2024 Athletissima (Lausanne, SUI)***Omega Timing (2024) - diamond league race analysis*

date	22-Aug-24	time	5.93	10.43	15.00	19.94	19.94	5 / 4	
reaction time	0.147	interval		4.50	4.57	4.94		# of strides	10.43 9.51 0.92
wind	0.9 m/s	velocity	8.43	11.11	10.94	10.12	10.03	89.0	9.59 10.52

**FINAL - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympc Games - Results Book (2024)*

date	08-Aug-24	time	5.88	10.36	15.01	20.02	20.02	4 / 5	
reaction time	0.142	interval		4.48	4.65	5.01		# of strides	10.36 9.66 0.70
wind	0.4 m/s	velocity	8.50	11.16	10.75	9.98	9.99	89.5	9.65 10.35

**Semi-Final 1 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympc Games - Results Book (2024)*

date	07-Aug-24	time	5.96	10.46	15.11	20.09	20.09	8 / 2	
reaction time	0.159	interval		4.50	4.65	4.98		# of strides	10.46 9.63 0.83
wind	-0.1 m/s	velocity	8.39	11.11	10.75	10.04	9.96	89.0	9.56 10.38

<b>Heat 4 - 2024 Olympic Games (Paris, FRA)</b>							<i>Paris 2024 Olympic Games - Results Book (2024)</i>				
date	05-Aug-24	time	5.86	10.37	15.02	20.04	20.04	5 / 2			
reaction time	0.159	interval		4.51	4.65	5.02		# of strides	10.37	9.67	0.70
wind	0.2 m/s	velocity	8.53	11.09	10.75	9.96	9.98	87.0	9.64	10.34	
<b>FINAL - 2024 Herculis Meeting International d'Athlétisme (Monaco, MON)</b>							<i>Omega Timing (2024) - diamond league race analysis</i>				
date	12-Jul-24	time	5.91	10.39	15.02	20.02	20.02	4 / 2			
reaction time	0.161	interval		4.48	4.63	5.00		# of strides	10.39	9.63	0.76
wind	0.6 m/s	velocity	8.46	11.16	10.80	10.00	9.99	88.7	9.62	10.38	
<b>FINAL - 2024 Meeting de Paris (Paris, FRA)</b>							<i>Omega Timing (2024) - diamond league race analysis</i>				
date	07-Jul-24	time	5.92	10.37	15.05	19.98	19.98	6 / 1			
reaction time	0.148	interval		4.45	4.68	4.93		# of strides	10.37	9.61	0.76
wind	-0.4 m/s	velocity	8.45	11.24	10.68	10.14	10.01	89.0	9.64	10.41	
<b>FINAL - 2024 Prefontaine Classic (Eugene, OR)</b>							<i>Omega Timing (2024) - diamond league race analysis</i>				
date	25-May-24	time	6.00	10.57	15.25	20.27	20.27	3 / 5			
reaction time	0.159	interval		4.57	4.68	5.02		# of strides	10.57	9.70	0.87
wind	1.8 m/s	velocity	8.33	10.94	10.68	9.96	9.87	90.0	9.46	10.31	
<b>FINAL - 2023 Prefontaine Classic (Eugene, OR)</b>							<i>Omega Timing (2023) - diamond league race analysis</i>				
date	17-Sep-23	time	5.87	10.42	15.10	20.08	20.08	3 / 4			
reaction time	0.134	interval		4.55	4.68	4.98		# of strides	10.42	9.66	0.76
wind	0.6 m/s	velocity	8.52	10.99	10.68	10.04	9.96	88.7	9.60	10.35	
<b>FINAL - 2023 World Athletics Championships (Budapest, HUN)</b>							<i>Seiko Timing (2023) - world championship race analysis</i>				
date	25-Aug-23	time		10.51		20.23	20.23	5 / 7			
reaction time	0.145	interval				9.72		# of strides	10.51	9.72	0.79
wind	-0.2 m/s	velocity		9.51		10.29	9.89	89.5	9.51	10.29	
<b>Semi-Final 1 - 2023 World Athletics Championships (Budapest, HUN)</b>							<i>Seiko Timing (2023) - world championship race analysis</i>				
date	24-Aug-23	time		10.49		20.02	20.02	6 / 2			
reaction time	0.142	interval				9.53		# of strides	10.49	9.53	0.96
wind	-0.1 m/s	velocity		9.53		10.49	9.99	188.2	9.53	10.49	
<b>Heat 7 - 2023 World Athletics Championships (Budapest, HUN)</b>							<i>Seiko Timing (2023) - world championship race analysis</i>				
date	23-Aug-23	time		10.73		20.14	20.14	7 / 2			
reaction time	0.165	interval				9.41		# of strides	10.73	9.41	1.32
wind	-0.1 m/s	velocity		9.32		10.63	9.93	88.2	9.32	10.63	
<b>FINAL - 2023 London Athletics Meet (London, GBR)</b>							<i>Omega Timing (2023) - diamond league race analysis</i>				
date	23-Jul-23	time	5.90	10.45	15.15	20.14	20.14	5 / 5			
reaction time	0.152	interval		4.55	4.70	4.99		# of strides	10.45	9.69	0.76
wind	1.6 m/s	velocity	8.47	10.99	10.64	10.02	9.93	88.0	9.57	10.32	
<b>FINAL - 2023 Bislett Games (Oslo, NOR)</b>							<i>Omega Timing (2023) - diamond league race analysis</i>				
date	15-Jun-23	time	5.97	10.62	15.32	20.27	20.27	3 / 4			
reaction time	0.131	interval		4.65	4.70	4.95		# of strides	10.62	9.65	0.97
wind	0.6 m/s	velocity	8.38	10.75	10.64	10.10	9.87	88.0	9.42	10.36	
<b>FINAL - 2023 Doha Diamond League (Doha, QAT)</b>							<i>Omega Timing (2023) - diamond league race analysis</i>				
date	05-May-23	time	6.10	10.71	15.46	20.62	20.62	3 / 7			
reaction time	0.164	interval		4.61	4.75	5.16		# of strides	10.71	9.91	0.80
wind	0.3 m/s	velocity	8.20	10.85	10.53	9.69	9.70	82.0	9.34	10.09	
<b>FINAL - 2022 Weltklasse (Zürich, SUI)</b>							<i>Omega Timing (2022) - diamond league race analysis</i>				
date	08-Sep-22	time	5.92	10.42	15.07	20.02	20.02	4 / 3			
reaction time	0.157	interval		4.50	4.65	4.95		# of strides	10.42	9.60	0.82
wind	-0.6 m/s	velocity	8.45	11.11	10.75	10.10	9.99	90.0	9.60	10.42	
<b>FINAL - 2022 Memorial van Damme (Brussels, BEL)</b>							<i>Omega Timing (2022) - diamond league race analysis</i>				
date	02-Sep-22	time	5.90	10.38	15.10	20.18	20.18	4 / 2			
reaction time	0.152	interval		4.48	4.72	5.08		# of strides	10.38	9.80	0.58
wind	-2.9 m/s	velocity	8.47	11.16	10.59	9.84	9.91	90.0	9.63	10.20	
<b>FINAL - 2022 Athletissima (Lausanne, SUI)</b>							<i>Omega Timing (2022) - diamond league race analysis</i>				
date	26-Aug-22	time	5.84	10.39	15.06	20.09	20.09	3 / 4			



reaction time	0.125	interval	4.55	4.67	5.03		# of strides	10.39	9.70	0.69
wind	1.3 m/s	velocity	8.56	10.99	10.71	9.94	9.96	89.0	9.62	10.31

**FINAL - 2022 Herculis Meeting International d'Athlétisme (Monaco, MON)***Omega Timing (2022) - diamond league race analysis*

date	10-Aug-22	time	5.92	10.40	15.04	20.02	20.02	3 / 4			
reaction time	0.155	interval	4.48	4.64	4.98			# of strides	10.40	9.62	0.78
wind	0.8 m/s	velocity	8.45	11.16	10.78	10.04	9.99	88.0	9.62	10.40	

**FINAL - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	21-Jul-22	time	10.43	19.93	19.93	19.93	19.93	4 / 5			
reaction time	0.127	interval	9.50	9.50	9.50	9.50	9.50	# of strides	10.43	9.50	0.93
wind	0.4 m/s	velocity	9.59	10.53	10.04	10.04	10.04	89.0	9.59	10.53	

**Semi-Final 1 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	19-Jul-22	time	10.46	19.91	19.91	19.91	19.91	3 / 1			
reaction time	0.128	interval	9.45	9.45	9.45	9.45	9.45	# of strides	10.46	9.45	1.01
wind	-0.1 m/s	velocity	9.56	10.58	10.05	10.05	10.05	89.0	9.56	10.58	

**Heat 4 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	18-Jul-22	time	10.59	20.01	20.01	20.01	20.01	6 / 1			
reaction time	0.141	interval	9.42	9.42	9.42	9.42	9.42	# of strides	10.59	9.42	1.17
wind	0.5 m/s	velocity	9.44	10.62	10.00	10.00	10.00	88.0	9.44	10.62	

**FINAL - 2022 Meeting de Paris (Paris, FRA)***Omega Timing (2022) - diamond league race analysis*

date	18-Jun-22	time	5.88	10.42	15.09	20.03	20.03	4 / 2			
reaction time	0.154	interval	4.54	4.67	4.94	4.94	4.94	# of strides	10.42	9.61	0.81
wind	0.6 m/s	velocity	8.50	11.01	10.71	10.12	9.99	90.0	9.60	10.41	

**Ogi, Moeto (JPN) (1994)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2012 Japanese National High School Championships (Niigata, JPN)***Yasunori (2012) - 65th high school championships: JAF scientific committee*

date	01-Aug-12	time	6.11	11.00	16.07	21.68	21.68	3 / 8			
reaction time		interval	4.89	5.07	5.61	5.61	5.61	# of strides	11.00	10.68	0.32
wind	-0.5 m/s	velocity	8.18	10.22	9.86	8.91	9.23	9.23	9.09	9.36	

**Ogunode, Femi (QAT) (1991)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2022 Doha Diamond League (Doha, QAT)***Omega Timing (2022) - diamond league race analysis*

date	13-May-22	time	6.2	18.1			dnf	8 / --		
reaction time	0.167	interval	11.90	11.90				# of strides	18.10	
wind	2.1 m/s	velocity	8.06	4.20					5.52	

**FINAL - 2015 IAAF World Championships (Beijing, CHN)***Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date	27-Aug-15	time	5.82	10.44	15.22	20.27	20.27	2 / 7			
reaction time	0.198	interval	4.62	4.78	5.05	5.05	5.05	# of strides	10.44	9.83	0.61
wind	-0.1 m/s	velocity	8.59	10.82	10.46	9.90	9.87	91.0	9.58	10.17	

**Semi-Final 2 - 2015 IAAF World Championships (Beijing, CHN)***Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date	26-Aug-15	time	5.73	10.32	15.00	20.05	20.05	6 / 3			
reaction time	0.143	interval	4.59	4.68	5.05	5.05	5.05	# of strides	10.32	9.73	0.59
wind	-0.2 m/s	velocity	8.73	10.89	10.68	9.90	9.98	89.7	9.69	10.28	

**Heat 7 - 2015 IAAF World Championships (Beijing, CHN)***Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date	25-Aug-15	time	5.77	10.37	15.14	20.25	20.25	3 / 2			
reaction time	0.153	interval	4.60	4.77	5.11	5.11	5.11	# of strides	10.37	9.88	0.49
wind	-0.4 m/s	velocity	8.67	10.87	10.48	9.78	9.88	91.0	9.64	10.12	

**FINAL - 2011 Asian Championships (Kobe, JPN)***Kyohei (2012) - run performance of 2011 world & Japanese top 200m sprinters*

date	10-Jul-11	time	5.91	10.51	15.35	20.41	20.41	1 / 1			
reaction time	0.216	interval	4.60	4.84	5.06	5.06	5.06	# of strides	10.51	9.90	0.61
wind	-0.4 m/s	velocity	8.46	10.87	10.33	9.88	9.80	9.80	9.51	10.10	

**Oishi, Riku (JPN) (2004)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2022 Japanese National High School Championships (Naruto, JPN)***Kishima (2022) - national high school championships biomechanics data collection*

date	06-Aug-22	time	6.64	11.07	16.20	21.80	21.80	2 / 8			
reaction time	0.155	interval	4.43	5.13	5.60	5.60	5.60	# of strides	11.07	10.73	0.34
wind	-2.3 m/s	velocity	7.53	11.29	9.75	8.93	9.17	9.17	9.03	9.32	

**Ojuri, Sunday (SWE) (1993)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**B FINAL - 2015 Windsprint (Sundsvall, SWE)**(2015) - [www.windsprint/Splittider/](http://www.windsprint/Splittider/)

date	26-Jul-15	time	11.26	22.12	22.12	6 / 3			
reaction time		interval		10.86		# of strides	11.26	10.86	0.40
wind	0.4 m/s	velocity	8.88	9.21	9.04		8.88	9.21	

**B FINAL - 2014 Windsprint (Sundsvall, SWE)**Johansen (2014) - [www.ssg.se/windsprint/Splittider/](http://www.ssg.se/windsprint/Splittider/)

date	20-Jul-14	time	11.25	21.84	21.84	3 / 5			
reaction time		interval		10.59		# of strides	11.25	10.59	0.66
wind	2.1 m/s	velocity	8.89	9.44	9.16		8.89	9.44	

**C FINAL - 2012 Windsprint (Sundsvall, SWE)**(2012) - [www.elitlandslag.se/SprintHäck/KortSprint.aspx](http://www.elitlandslag.se/SprintHäck/KortSprint.aspx)

date	17-Jun-12	time	11.28	22.04	22.04	1 / 2			
reaction time		interval		10.76		# of strides	11.28	10.76	0.52
wind	0.9 m/s	velocity	8.87	4.54	9.07		8.87	9.29	

**Øien, Vegard (NOR) (1990)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****D FINAL - 2012 Windsprint (Sundsvall, SWE)**(2012) - [www.elitlandslag.se/SprintHäck/KortSprint.aspx](http://www.elitlandslag.se/SprintHäck/KortSprint.aspx)

date	17-Jun-12	time	11.33	22.16	22.16	1 / 2			
reaction time		interval		10.83		# of strides	11.33	10.83	0.50
wind	0.0 m/s	velocity	8.83	4.51	9.03		8.83	9.23	

**Ondráček, Jan (CZE) (1988)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Heat 2 - 2013 Czech Republic National Championships (Tábor, CZE)**Feher (2013) - *Final report men's & women's Czech Republic national champs*

date	16-Jun-13	time	6.35	11.24	16.50	21.99	21.99	6 / 4		
reaction time	0.246	interval		4.89	5.26	5.49		# of strides	11.24	10.75
wind	0.8 m/s	velocity	7.87	10.22	9.51	9.11	9.10		8.90	9.30

**Ono, Mia (JPN) (2002)****50m 100m 150m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)**Kota (2019) - *2nd high school championships: JAF scientific committee*

date	07-Aug-19	time	6.15	11.07	29.62	29.62	7 / 8			
reaction time		interval		4.92			# of strides	11.07	18.55	-7.48
wind	2.1 m/s	velocity	8.13	10.16		6.75		9.03	5.39	

**Onwuzurike, Udodi (NGR) (2003)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 3 - 2024 Olympic Games (Paris, FRA)**Paris 2024 Olympc Games - *Results Book (2024)*

date	07-Aug-24	time	5.86	10.52	15.46	20.72	20.72	2 / 7		
reaction time	0.143	interval		4.66	4.94	5.26		# of strides	10.52	10.20
wind	-0.6 m/s	velocity	8.53	10.73	10.12	9.51	9.65	85.0	9.51	9.80

**Repechage 1 - 2024 Olympic Games (Paris, FRA)**Paris 2024 Olympc Games - *Results Book (2024)*

date	06-Aug-24	time	5.83	10.46	15.33	20.51	20.51	6 / 1		
reaction time	0.139	interval		4.63	4.87	5.18		# of strides	10.46	10.05
wind	1.0 m/s	velocity	8.58	10.80	10.27	9.65	9.75	86.5	9.56	9.95

**Heat 2 - 2024 Olympic Games (Paris, FRA)**Paris 2024 Olympc Games - *Results Book (2024)*

date	05-Aug-24	time	5.75	10.41	15.30	20.55	20.55	2 / 5		
reaction time	0.137	interval		4.66	4.89	5.25		# of strides	10.41	10.14
wind	-0.1 m/s	velocity	8.70	10.73	10.22	9.52	9.73	86.5	9.61	9.86

**FINAL - 2022 Commonwealth Games (Birmingham, GBR)**Longines Timing (2022) - *commonwealth games race analysis*

date	06-Aug-22	time	5.7	10.4	15.4	20.76	20.76	6 / 6		
reaction time	0.127	interval		4.70	5.00	5.36		# of strides	10.40	10.36
wind	1.1 m/s	velocity	8.77	10.64	10.00	9.33	9.63	86.2	9.62	9.65

**Semi-Final 2 - 2022 World Athletics Championships (Eugene, OR)**Timing by Seiko (2022) - *world athletics championships race analysis*

date	19-Jul-22	time	10.60			20.39	20.39	7 / 6		
reaction time	0.122	interval				9.79		# of strides	10.60	9.79
wind	1.1 m/s	velocity	9.43			10.21	9.81	85.5	9.43	10.21

**Heat 5 - 2022 World Athletics Championships (Eugene, OR)**Timing by Seiko (2022) - *world athletics championships race analysis*

date	18-Jul-22	time	10.48			20.34	20.34	7 / 3		
reaction time	0.134	interval				9.86		# of strides	10.48	9.86
wind	0.4 m/s	velocity	9.54			10.14	9.83	86.0	9.54	10.14

**Orogot, Tarsis (UGA) (2002)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 1 - 2024 Olympic Games (Paris, FRA)**Paris 2024 Olympc Games - *Results Book (2024)*

date	07-Aug-24	time	5.97	10.57	15.44	20.64	20.64	6 / 6		
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reaction time	0.160	interval	4.60	4.87	5.20		# of strides	10.57	10.07	0.50
wind	-0.1 m/s	velocity	8.38	10.87	10.27	9.62	9.69	88.2	9.46	9.93

**Heat 2 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympic Games - Results Book (2024)*

date	05-Aug-24	time	5.89	10.48	15.28	20.32	20.32	3 / 1			
reaction time	0.156	interval	4.59	4.80	5.04			# of strides	10.48	9.84	0.64
wind	-0.1 m/s	velocity	8.49	10.89	10.42	9.92	9.84	87.0	9.54	10.16	

**FINAL - 2024 Herculis Meeting International d'Athlétisme (Monaco, MON)***Omega Timing (2024) - diamond league race analysis*

date	12-Jul-24	time	5.96	10.52	15.28	20.32	20.32	7 / 3			
reaction time	0.157	interval	4.56	4.76	5.04			# of strides	10.52	9.80	0.72
wind	0.6 m/s	velocity	8.39	10.96	10.50	9.92	9.84	88.0	9.51	10.20	

**FINAL - 2024 Meeting de Paris (Paris, FRA)***Omega Timing (2024) - diamond league race analysis*

date	07-Jul-24	time	5.90	10.42	15.17	20.18	20.18	7 / 2			
reaction time	0.153	interval	4.52	4.75	5.01			# of strides	10.42	9.76	0.66
wind	-0.4 m/s	velocity	8.47	11.06	10.53	9.98	9.91	87.5	9.60	10.25	

**Semi-Final 1 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	24-Aug-23	time	10.58		20.26	20.26	3 / 3				
reaction time	0.151	interval	9.68		9.68			# of strides	10.58	9.68	0.90
wind	-0.1 m/s	velocity	9.45		10.33	9.87		190.0	9.45	10.33	

**Heat 5 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time	10.92		20.44	20.44	5 / 4				
reaction time	0.160	interval	9.52		9.52			# of strides	10.92	9.52	1.40
wind	-0.2 m/s	velocity	9.16		10.50	9.78		89.0	9.16	10.50	

**Semi-Final 2 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	19-Jul-22	time	10.72		20.35	20.35	1 / 5				
reaction time	0.181	interval	9.63		9.63			# of strides	10.72	9.63	1.09
wind	1.1 m/s	velocity	9.33		10.38	9.83		87.0	9.33	10.38	

**Heat 4 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	18-Jul-22	time	10.67		20.44	20.44	3 / 3				
reaction time	0.158	interval	9.77		9.77			# of strides	10.67	9.77	0.90
wind	0.5 m/s	velocity	9.37		10.24	9.78		87.0	9.37	10.24	

**Oseto, Kazuma (JPN) (1994)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2016 Japanese National Championships (Nagoya, JPN)***Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

date	26-Jun-16	time	5.86	10.56	15.48	20.72	20.72	8 / 5			
reaction time	0.172	interval	4.70	4.92	5.24			# of strides	10.56	10.16	0.40
wind	1.8 m/s	velocity	8.53	10.64	10.16	9.54	9.65	93.7	9.47	9.84	

**FINAL - 2015 Mikio Oda Memorial (Hiroshima, JPN)***Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date	18-Apr-15	time	5.90	10.74	15.71	21.01	21.01	2 / 5			
reaction time		interval	4.84	4.97	5.30			# of strides	10.74	10.27	0.47
wind	1.5 m/s	velocity	8.47	10.33	10.06	9.43	9.52	95.0	9.31	9.74	

**FINAL - 2012 Japanese National High School Championships (Niigata, JPN)***Yasunori (2012) - 65th high school championships: JAF scientific committee*

date	01-Aug-12	time	5.85	10.63	15.66	21.02	21.02	5 / 2			
reaction time		interval	4.78	5.03	5.36			# of strides	10.63	10.39	0.24
wind	-0.5 m/s	velocity	8.55	10.46	9.94	9.33	9.51		9.41	9.62	

**FINAL - 2011 Japanese National High School Championships (Kitakami, JPN)***Abe (2011) - 64th high school championships: JAF scientific committee*

date	06-Aug-11	time	5.95	10.92	15.84	21.25	21.25	/ 3			
reaction time		interval	4.97	4.92	5.41			# of strides	10.92	10.33	0.59
wind	-0.4 m/s	velocity	8.40	10.06	10.16	9.24	9.41		9.16	9.68	

**Oshima, Kenta (JPN) (1997)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2015 Japanese National High School Championships (Wakayama, JPN)***nomoto (2015) - 68th high school championships: JAF scientific committee*

date	01-Aug-15	time	5.55	10.87	15.93	21.44	21.44	5 / 5			
reaction time		interval	5.32	5.06	5.51			# of strides	10.87	10.57	0.30
wind	-1.5 m/s	velocity	9.01	9.40	9.88	9.07	9.33		9.20	9.46	

**FINAL - 2014 Japanese National High School Championships (Kofu, JPN)***Yanagiya (2014) - research on athlete performance and technique- 2014*

date	02-Aug-14	time	5.56	10.93	15.94	21.47	21.47	1 / 6			
reaction time		interval	5.37	5.01	5.53			# of strides	10.93	10.54	0.39

wind -1.6 m/s velocity 8.99 9.31 9.98 9.04 9.32 9.15 9.49

<b>Osovnikar, Matic (SLO) (1980)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Quarter-Final 1</b> - 2007 IAAF World Championships (Osaka, JPN)		<i>Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs</i>									
date	28-Aug-07	time	5.86	10.48	15.37	20.65	20.65	8 / 5			
reaction time	0.174	interval		4.62	4.89	5.28		# of strides	10.48	10.17	0.31
wind	0.3 m/s	velocity	8.53	10.82	10.22	9.47	9.69	90.7	9.54	9.83	

<b>Otto, Steffen (GER) (1980)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Heat 2</b> - 2002 European Championships (Munich, GER)		<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>									
date	08-Aug-02	time		10.83	15.84	21.24	21.24	/ 5			
reaction time	0.152	interval			5.01	5.40		# of strides	10.83	10.41	0.42
wind	-0.2 m/s	velocity		9.23	9.98	9.26	9.42		9.23	9.61	

<b>Ouyamna, Abdelali (MAR) (2004)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>National FINAL</b> - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)		<i>Omega Timing (2023) - diamond league race analysis</i>									
date	28-May-23	time	6.57	11.71	17.02	22.81	22.81	8 / 8			
reaction time	0.213	interval		5.14	5.31	5.79		# of strides	11.71	11.10	0.61
wind	-0.2 m/s	velocity	7.61	9.73	9.42	8.64	8.77		8.54	9.01	

<b>Ozawa, Toi (JPN) (2006)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2024 Japanese National High School Championships (Fukuoka, JPN)		<i>Takashima (2024) - national high school sports festival - biomechanics data</i>									
date	31-Jul-24	time	6.05	11.09	16.24	21.74	21.74	2 / 8			
reaction time	0.198	interval		5.04	5.15	5.50		# of strides	11.09	10.65	0.44
wind	0.1 m/s	velocity	8.26	9.92	9.71	9.09	9.20		9.02	9.39	

<b>Palacios, Rolando (HON) (1987)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Semi-Final 1</b> - 2009 IAAF World Championships (Berlin, GER)		<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>									
date	19-Aug-09	time	5.98	10.66	15.52	20.67	20.67	8 / 7			
reaction time	0.191	interval		4.68	4.86	5.15		# of strides	10.66	10.01	0.65
wind	0.0 m/s	velocity	8.36	10.68	10.29	9.71	9.68	84.0	9.38	9.99	

<b>Quarter-Final 2</b> - 2009 IAAF World Championships (Berlin, GER)		<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>									
date	18-Aug-09	time	5.97	10.69	15.55	20.69	20.69	8 / 3			
reaction time	0.217	interval		4.72	4.86	5.14		# of strides	10.69	10.00	0.69
wind	-0.2 m/s	velocity	8.38	10.59	10.29	9.73	9.67		9.35	10.00	

<b>Heat 7</b> - 2009 IAAF World Championships (Berlin, GER)		<i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>									
date	18-Aug-09	time	6.08	10.78	15.65	20.83	20.83	4 / 3			
reaction time	0.195	interval		4.70	4.87	5.18		# of strides	10.78	10.05	0.73
wind	-0.6 m/s	velocity	8.22	10.64	10.27	9.65	9.60		9.28	9.95	

<b>Panayiotópoulos, Yeóryios (GRE) (1958)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 1997 IAAF World Championships (Athens, GRE)		<i>Ritzdorf (1997) - biomechanical research project at VIth world championships athletics</i>									
date	08-Aug-97	time	5.73	10.37	15.19	20.21	20.32	7 / 5			
reaction time	0.115	interval		4.64	4.82	5.02		# of strides	10.37	9.84	0.53
wind	2.3 m/s	velocity	8.73	10.78	10.37	9.96	9.84	91.2	9.64	10.16	

<b>FINAL</b> - 1997 European Cup (Munich GER)		<i>Federle (2009) - http://www.fgs.uni-halle.de</i>									
date	22-Jun-97	time	5.92	10.58	15.40	20.56	20.56	/ =1			
reaction time		interval		4.66	4.82	5.16		# of strides	10.58	9.98	0.60
wind	0.7 m/s	velocity	8.45	10.73	10.37	9.69	9.73		9.45	10.02	

<b>Park Tae-Kyong (KOR) (1991)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2018 Asian Games (Jakarta, INA)		<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>									
date	29-Aug-18	time	5.93	10.61	15.39	20.61	20.61	7 / 5			
reaction time	0.151	interval		4.68	4.78	5.22		# of strides	10.61	10.00	0.61
wind	0.7 m/s	velocity	8.43	10.68	10.46	9.58	9.70	92.7	9.43	10.00	

<b>Parker, Earvin (USA) (1984)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2003 USATF National Junior Championships (Palo Alto, CA)		<i>USATF Women's Sprint Development (2003)</i>									
date	21-Jun-03	time	6.29	11.20	16.00	21.23	21.23	4 / 3			
reaction time		interval		4.91	4.80	5.23		# of strides	11.20	10.03	1.17
wind	-1.8 m/s	velocity	7.95	10.18	10.42	9.56	9.42		8.93	9.97	

<b>Patta, Lorenzo (ITA) (2000)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

<b>FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)</b>							<i>Omega Timing (2022) - diamond league race analysis</i>				
date	09-Jun-22	time	5.84	10.50	15.46	20.91	20.91	3 / 8			
reaction time	0.150	interval		4.66	4.96	5.45	<b>PB</b>	# of strides	10.50	10.41	0.09
wind	-0.1 m/s	velocity	8.56	10.73	10.08	9.17	9.56	94.0	9.52	9.61	

<b>Patton, Darvis (USA) (1977)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL - 2012 USA Olympic Trials (Eugene, OR)</b>							<i>Hymans (2020) - history of the US olympic trials - track and field</i>				
date	01-Jul-12	time		10.8	20.24	20.24	1 / 5				
reaction time	0.167	interval			9.44		# of strides	10.80	9.44	1.36	
wind	2.3 m/s	velocity		9.26	10.59	9.88		9.26	10.59		

<b>FINAL - 2011 Great CityGames (Manchester, GBR) (150m straightaway)</b>							<i>Butler (2011) - Gay's last 100 in Manchester street 150</i>				
date	15-May-11	time	5.75	10.17	14.98	14.98	1 / 2			<b>50-150m</b>	
reaction time		interval		4.42	4.81	<b>PB</b>	# of strides	10.17		9.23	
wind	1.5 m/s	velocity	8.70	11.31	10.40	10.01		9.83		10.83	

<b>FINAL - 2004 USA Olympic Trials (Sacramento, CA)</b>							<i>USATF Women's Sprint Development (2004)</i>				
date	18-Jul-04	time	5.89	10.51	15.22	20.32	20.32	4 / 4			
reaction time		interval		4.62	4.71	5.10		# of strides	10.51	9.81	0.70
wind	-0.7 m/s	velocity	8.49	10.82	10.62	9.80	9.84		9.51	10.19	

<b>Semi-Final 2 - 2004 USA Olympic Trials (Sacramento, CA)</b>							<i>USATF Women's Sprint Development (2004)</i>				
date	17-Jul-04	time	5.86	10.43	15.12	20.17	20.17	4 / 2			
reaction time		interval		4.57	4.69	5.05		# of strides	10.43	9.74	0.69
wind	0.1 m/s	velocity	8.53	10.94	10.66	9.90	9.92		9.59	10.27	

<b>FINAL - 2003 USATF National Championships (Palo Alto, CA)</b>							<i>USATF Women's Sprint Development (2003)</i>				
date	22-Jun-03	time	5.92	10.60	15.16	20.15	20.15	5 / 1			
reaction time		interval		4.68	4.56	4.99		# of strides	10.60	9.55	1.05
wind	0.1 m/s	velocity	8.45	10.68	10.96	10.02	9.93		9.43	10.47	

<b>Pavoni, Pierfrancesco (ITA) (1963)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL - 1987 IAAF World Championships (Rome, ITA)</b>							<i>Veney - split times from PJ</i>				
date	03-Sep-87	time	5.93	10.65	15.37	20.45	20.45	7 / 7			
reaction time		interval		4.72	4.72	9.80		# of strides	10.65	9.80	0.85
wind	-0.4 m/s	velocity	8.43	10.59	10.59	10.20	9.78	86.2	9.39	10.20	

<b>Peeroo, Ahmed Bongo (MRI) (1988)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>C FINAL - 2008 Windsprint (Sundsvall, SWE)</b>							<i>(2008) - www.ssg.se/en/Windsprint/Split-times/</i>				
date	06-Jul-08	time		11.06	16.17	21.60	21.60	3 / 1			
reaction time		interval			5.11	5.43		# of strides	11.06	10.54	0.52
wind	0.8 m/s	velocity		9.04	9.78	9.21	9.26		9.04	9.49	

<b>Peterson, Domenik (USA) (1984)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Semi-Final 2 - 2004 USA Olympic Trials (Sacramento, CA)</b>							<i>Veney - split times from PJ</i>				
date	17-Jul-04	time	5.92	10.76	15.59	20.82	20.82	1 / 7			
reaction time		interval		4.84	4.83	5.23		# of strides	10.76	10.06	0.70
wind	0.1 m/s	velocity	8.45	10.33	10.35	9.56	9.61		9.29	9.94	

<b>Petrák, Miloslav (CZE) (1993)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Heat 3 - 2013 Czech Republic National Championships (Tábor, CZE)</b>							<i>Feher (2013) - Final report men's &amp; women's Czech Republic national champs</i>				
date	16-Jun-13	time	6.27	11.22	16.53	22.16	22.16	2 / 4			
reaction time	0.178	interval		4.95	5.31	5.63		# of strides	11.22	10.94	0.28
wind	-0.9 m/s	velocity	7.97	10.10	9.42	8.88	9.03		8.91	9.14	

<b>Petterson, Andreas (SWE) (1996)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>E FINAL - 2012 Windsprint (Sundsvall, SWE)</b>							<i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>				
date	17-Jun-12	time		13.20		25.73	25.73	1 / 5			
reaction time		interval				12.53		# of strides	13.20	12.53	0.67
wind	0.7 m/s	velocity		7.58		3.89	7.77		7.58	7.98	

<b>Pettorossi, Diego Aido (ITA) (1997)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Repechage 1 - 2024 Olympic Games (Paris, FRA)</b>							<i>Paris 2024 Olympic Games - Results Book (2024)</i>				
date	06-Aug-24	time	5.95	10.63	15.45	20.53	20.53	8 / 2			
reaction time	0.156	interval		4.68	4.82	5.08		# of strides	10.63	9.90	0.73
wind	1.0 m/s	velocity	8.40	10.68	10.37	9.84	9.74	88.7	9.41	10.10	

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Heat 4 - 2024 Olympic Games (Paris, FRA)							Paris 2024 Olympic Games - Results Book (2024)				
date	05-Aug-24	time	5.90	10.54	15.42	20.63	20.63	7 / 4			
reaction time	0.169	interval		4.64	4.88	5.21		# of strides	10.54	10.09	0.45
wind	0.2 m/s	velocity	8.47	10.78	10.25	9.60	9.69	89.0	9.49	9.91	

Phillips, David (USA) (2001)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Semi-Final 3 - 2024 USA Olympic Trials (Eugene, OR)							USATF and Karmarush (2024) - USA Olympic trials results and race analysis				
date	28-Jun-24	time	5.90	10.63	15.39	20.46	20.46	2 / 6			
reaction time		interval		4.73	4.76	5.07		# of strides	10.63	9.83	0.80
wind	2.5 m/s	velocity	8.47	10.57	10.50	9.86	9.78	88.0	9.41	10.17	

Heat 4 - 2024 USA Olympic Trials (Eugene, OR)							USATF and Karmarush (2024) - USA Olympic trials results and race analysis				
date	27-Jun-24	time	5.84	10.64	15.40	20.68	20.68	9 / 5			
reaction time		interval		4.80	4.76	5.28		# of strides	10.64	10.04	0.60
wind	1.2 m/s	velocity	8.56	10.42	10.50	9.47	9.67	86.0	9.40	9.96	

Pichonnaz, Alan (SUI) (2001)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
B Race - 2021 Athletissima (Lausanne, SUI)							Omega Timing (2021) - diamond league race analysis				
date	26-Aug-21	time	6.3	11.2	16.5	21.97	21.97	7 / 6			
reaction time	0.167	interval		4.90	5.30	5.47		# of strides	11.20	10.77	0.43
wind	3.0 m/s	velocity	7.94	10.20	9.43	9.14	9.10		8.93	9.29	

Pierre, Rion (GBR) (1987)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
B FINAL - 2012 Great CityGames (Manchester, GBR) (150m straightaway)							Jalava (2012) - www.tilastopaja.org				
date	20-May-12	time		10.52	15.67		15.67	/ 3			
reaction time		interval			5.15			# of strides	10.52		
wind	-0.5 m/s	velocity		9.51	9.71		9.57		9.51		

Pinaemang, Lundi (BOT) (2004)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
National FINAL - 2024 FBK Games (Hengelo, NED)							Omega Timing (2024) - continental tour gold race analysis				
date	07-Jul-24	time	6.08	11.00	16.09	21.48	21.48	3 / 3			
reaction time	0.144	interval		4.92	5.09	5.39		# of strides	11.00	10.48	0.52
wind	-0.3 m/s	velocity	8.22	10.16	9.82	9.28	9.31		9.09	9.54	

Pognon, Ronald (FRA) (1982)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Semi-Final 1 - 2002 European Championships (Munich, GER)							Graubner (2009) - http://www.fgs.uni-halle.de				
date	09-Aug-02	time	6.07	10.90	15.82	21.04	21.04	/ 7			
reaction time	0.127	interval		4.83	4.92	5.22		# of strides	10.90	10.14	0.76
wind	-0.5 m/s	velocity	8.24	10.35	10.16	9.58	9.51		9.17	9.86	

Polák, Jirí (CZE) (1998)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
FINAL - 2020 Memorial Van Damme (Brussels, BEL)							Omega Timing (2020) - diamond league race analysis				
date	04-Sep-20	time	6.0	10.7	15.6	20.89	20.89	2 / 3			
reaction time	0.147	interval		4.70	4.90	5.29		# of strides	10.70	10.19	0.51
wind	0.1 m/s	velocity	8.33	10.64	10.20	9.45	9.57	84.0	9.35	9.81	

Prenzler, Olaf (GDR) (1958)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Semi-Final 2 - 1986 European Championships (Stuttgart, FRG)							Veney - split times from PJ				
date	28-Aug-86	time		10.50		20.68	20.68	/ 4			
reaction time	0.156	interval				10.18		# of strides	10.50	10.18	0.32
wind	0.0 m/s	velocity		9.52		9.82	9.67		9.52	9.82	

FINAL - 1982 European Championships (Athens, GRE)							Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen 1981/84				
date	09-Sep-82	time		10.42		20.46	20.46	/ 1			
reaction time		interval				10.04	<b>PB</b>	# of strides	10.42	10.04	0.38
wind	-0.6 m/s	velocity		9.60		9.96	9.78		9.60	9.96	

Price, Mike (USA) (1977)		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
Quarter-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)							Hymans (2020) - history of the US olympic trials - track and field				
date	22-Jun-96	time		10.77		21.15	21.15	/ 8			
reaction time		interval				10.38		# of strides	10.77	10.38	0.39
wind	0.0 m/s	velocity		9.29		9.63	9.46		9.29	9.63	

Heat 3 - 1996 USA Olympic Trials (Atlanta, GA)							Hymans (2020) - history of the US olympic trials - track and field				
date	21-Jun-96	time		10.62		21.04	21.04	/ 4			

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

reaction time	interval			10.42		# of strides	10.62	10.42	0.20
wind	0.9 m/s	velocity	9.42	9.60	9.51		9.42	9.60	

**Prokhomovskiy, Aleksandr (RUS) (19 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential)**  
**FINAL - 1997 European Cup (Munich GER)** *Federle (2009) - http://www.fgs.uni-halle.de*

date	22-Jun-97	time	5.91	10.61	15.56	20.92	20.92	/ 6			
reaction time	interval			4.70	4.95	5.36		# of strides	10.61	10.31	0.30
wind	0.7 m/s	velocity	8.46	10.64	10.10	9.33	9.56		9.43	9.70	

**Pugh, Marcus (USA) (1986) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential)**  
**Quarter-Final 2 - 2008 USA Olympic Trials (Eugene, OR)** *USATF Women's Sprint Development with HPC (2008)*

date	05-Jul-08	time	6.05	10.89	15.82	21.28	21.28	4 / 6			
reaction time	interval			4.84	4.93	5.46		# of strides	10.89	10.39	0.50
wind	1.4 m/s	velocity	8.26	10.33	10.14	9.16	9.40		9.18	9.62	

**Heat 2 - 2008 USA Olympic Trials (Eugene, OR)** *USATF Women's Sprint Development with HPC (2008)*

date	04-Jul-08	time	6.10	10.90	15.77	20.99	20.99	4 / 6			
reaction time	interval			4.80	4.87	5.22		# of strides	10.90	10.09	0.81
wind	0.8 m/s	velocity	8.20	10.42	10.27	9.58	9.53	94.0	9.17	9.91	

**Quarrie, Don (JAM) (1951) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential)**  
**FINAL - 1977 ??? (Zürich, SUI)** *Breizer (1985) - sprint time structure*

date	24-Aug-77	time		10.29	15.18	20.26	20.26	/ 1			
reaction time	interval				4.89	5.08		# of strides	10.29	9.97	0.32
wind	-0.9 m/s	velocity		9.72	10.22	9.84	9.87		9.72	10.03	

**FINAL - 1976 Olympic Games (Montreal, CAN)** *Lamare (1976) - les jeux de la XXlth Olympiade*

date	26-Jul-76	time		10.38		20.23	20.23	2 / 1			
reaction time	interval					9.85		# of strides	10.38	9.85	0.53
wind	0.7 m/s	velocity		9.63		10.15	9.89		9.63	10.15	

**Quénéhervé, Gilles (FRA) (1966) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential)**  
**FINAL - 1988 Olympic Games (Seoul, KOR)** *Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988*

date	28-Sep-88	time	5.95	10.65	15.44	20.40	20.40	1 / 6			
reaction time	0.190	interval		4.70	4.79	4.96		# of strides	10.65	9.75	0.90
wind	1.7 m/s	velocity	8.40	10.64	10.44	10.08	9.80	89.7	9.39	10.26	

**Semi-Final 1 - 1988 Olympic Games (Seoul, KOR)** *Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988*

date	28-Sep-88	time	6.02	10.65	15.45	20.54	20.54	8 / 4			
reaction time	0.250	interval		4.63	4.80	5.09		# of strides	10.65	9.89	0.76
wind	1.5 m/s	velocity	8.31	10.80	10.42	9.82	9.74		9.39	10.11	

**FINAL - 1987 IAAF World Championships (Rome, ITA)** *Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)*

date	03-Sep-87	time	5.96	10.57	15.25	20.16	20.16	6 / 2			
reaction time	0.207	interval		4.61	4.68	4.91	NR	# of strides	10.57	9.59	0.98
wind	-0.4 m/s	velocity	8.39	10.85	10.68	10.18	9.92	88.5	9.46	10.43	

**Semi-Final 2 - 1987 IAAF World Championships (Rome, ITA)** *Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)*

date	03-Sep-87	time	6.01	10.70	15.34	20.31	20.31	5 / 1			
reaction time	0.264	interval		4.69	4.64	4.97		# of strides	10.70	9.61	1.09
wind	1.2 m/s	velocity	8.32	10.66	10.78	10.06	9.85	90.5	9.35	10.41	

**Quarter-Final 3 - 1987 IAAF World Championships (Rome, ITA)** *Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)*

date	01-Sep-87	time	5.94	10.72	15.46	20.48	20.48	4 / 1			
reaction time	0.271	interval		4.78	4.74	5.02		# of strides	10.72	9.76	0.96
wind	0.4 m/s	velocity	8.42	10.46	10.55	9.96	9.77	89.7	9.33	10.25	

**Heat 3 - 1987 IAAF World Championships (Rome, ITA)** *Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)*

date	01-Sep-87	time	5.95	10.56	15.44	20.59	20.59	/ 1			
reaction time	0.193	interval		4.61	4.88	5.15		# of strides	10.56	10.03	0.53
wind	-0.1 m/s	velocity	8.40	10.85	10.25	9.71	9.71		9.47	9.97	

**Questad, Larry (USA) (1943) 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential)**  
**FINAL - 1968 Olympic Games (Mexico City, MEX) (Altitude)** *Hymans (2015) - progression of IAAF world records*

date	16-Oct-68	time		10.6		20.6	20.62	5 / 6			
reaction time	interval					10.00		# of strides	10.60	10.00	0.60

wind 0.9 m/s velocity 9.43 10.00 9.70 90.0 9.43 10.00

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Quiñónez, Alex (ECU) (1989)</b>											
<b>FINAL - 2019 IAAF World Championships (Doha, QAT)</b>							<i>Takahaski (2019) - race analysis top 200m athletes- domestic and international</i>				
date	01-Oct-19	time	5.91	10.45	15.07	19.98	19.98	4 / 3			
reaction time	0.189	interval	4.54	4.62	4.91		# of strides	10.45	9.53	0.92	
wind	0.3 m/s	velocity	8.46	11.01	10.82	10.18	10.01	88.7	9.57	10.49	
<b>FINAL - 2019 Memorial van Damme (Brussels, BEL)</b>							<i>Omega Timing (2019) - diamond league race analysis</i>				
date	06-Sep-19	time	6.0	10.6	15.3	20.25	20.25	3 / 5			
reaction time	0.203	interval	4.6	4.7	4.95		# of strides	10.60	9.65	0.95	
wind	0.8 m/s	velocity	8.33	10.87	10.64	10.10	9.88	88.5	9.43	10.36	
<b>FINAL - 2019 Meeting de Paris (Paris, FRA)</b>							<i>Omega Timing (2019) - diamond league race analysis</i>				
date	24-Aug-19	time	6.0	10.6	15.3	20.25	20.25	5 / 4			
reaction time	0.198	interval	4.6	4.7	4.95		# of strides	10.60	9.65	0.95	
wind	0.2 m/s	velocity	8.33	10.87	10.64	10.10	9.88	89.0	9.43	10.36	
<b>FINAL - 2019 Athletissima (Lausanne, SUI)</b>							<i>Omega Timing (2019) - diamond league race analysis</i>				
date	05-Jul-19	time	6.0	10.4	15.0	19.87	19.87	8 / 2			
reaction time	0.170	interval	4.4	4.6	4.87	AR	# of strides	10.40	9.47	0.93	
wind	-0.1 m/s	velocity	8.33	11.36	10.87	10.27	10.07	88.0	9.62	10.56	
<b>FINAL - 2012 Olympic Games (London, GBR)</b>							<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>				
date	09-Aug-12	time		10.69		20.57	20.57	3 / 7			
reaction time	0.185	interval				9.88	# of strides	10.69	9.88	0.81	
wind	0.4 m/s	velocity		9.35		10.12	9.72	90.5	9.35	10.12	
<b>Quow, Elliot (USA) (1962)</b>											
<b>FINAL - 1984 USA Olympic Trials (Los Angeles, CA)</b>							<i>Hymans (2008) - history of the US olympic trials - track and field</i>				
date	21-Jun-84	time		10.39		20.47	20.47	6 / 5			
reaction time		interval				10.08	# of strides	10.39	10.08	0.31	
wind	-0.2 m/s	velocity		9.62		9.92	9.77		9.62	9.92	
<b>Semi-Final 2 - 1984 USA Olympic Trials (Los Angeles, CA)</b>							<i>Hymans (2020) - history of the US olympic trials - track and field</i>				
date	21-Jun-84	time		10.47		20.56	20.56	1 / 1			
reaction time		interval				10.09	# of strides	10.47	10.09	0.38	
wind	-0.6 m/s	velocity		9.55		9.91	9.73		9.55	9.91	
<b>FINAL - 1983 IAAF World Championships (Helsinki, FIN)</b>							<i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>				
date	14-Aug-83	time		10.54	15.31	20.41	20.41	6 / 2			
reaction time	0.213	interval			4.77	5.10	# of strides	10.54	9.87	0.67	
wind	1.2 m/s	velocity		9.49	10.48	9.80	9.80	86.2	9.49	10.13	
<b>Ramadhan, Tommy (GBR) (1996)</b>											
<b>FINAL - 2021 Müller Grand Prix (Gateshead, GBR)</b>							<i>Omega Timing (2021) - diamond league race analysis</i>				
date	23-May-21	time	6.5	11.3	16.5	21.49	21.61	1 / 8			
reaction time	0.140	interval	4.80	5.20	4.99		# of strides	11.30	10.19	1.11	
wind	-3.0 m/s	velocity	7.69	10.42	9.62	10.02	9.25		8.85	9.81	
<b>Rask, Jesper (SWE) (1997)</b>											
<b>G FINAL - 2014 Windsprint (Sundsvall, SWE)</b>							<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>				
date	20-Jul-14	time		11.78		23.04	23.04	4 / 2			
reaction time		interval				11.26	# of strides	11.78	11.26	0.52	
wind	1.4 m/s	velocity		8.49		8.88	8.68		8.49	8.88	
<b>Ray, Eugen (GDR) (1957)</b>											
<b>FINAL - 1977 IAAF World Cup (Düsseldorf, FRG)</b>							<i>Butler (2010) - 1st/IAAF VTB bank continental cup, IAAF statistics handbook - split 2010</i>				
date	04-Sep-77	time		10.2		20.57	20.57	1 / 4			
reaction time		interval				10.37	# of strides	10.20	10.37	-0.17	
wind	1.0 m/s	velocity		9.80		9.64	9.72		9.80	9.64	
<b>Reais, William (SUI) (1999)</b>											
<b>FINAL - 2024 Athletissima (Lausanne, SUI)</b>							<i>Omega Timing (2024) - diamond league race analysis</i>				
date	22-Aug-24	time	5.94	10.61	15.51	20.75	20.75	1 / 8			
reaction time	0.124	interval	4.67	4.90	5.24		# of strides	10.61	10.14	0.47	

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation



wind 0.9 m/s velocity 8.42 10.71 10.20 9.54 9.64 87.0 9.43 9.86

**Heat 6 - 2024 Olympic Games (Paris, FRA)**

Paris 2024 Olympic Games - Results Book (2024)

date 05-Aug-24 time 5.96 10.69 15.59 20.92 20.92 3 / 7  
 reaction time 0.145 interval 4.73 4.90 5.33 # of strides 10.69 10.23 0.46  
 wind 0.1 m/s velocity 8.39 10.57 10.20 9.38 9.56 87.0 9.35 9.78

**FINAL - 2024 Herculis Meeting International d'Athlétisme (Monaco, MON)**

Omega Timing (2024) - diamond league race analysis

date 12-Jul-24 time 5.98 10.71 15.64 20.99 20.99 2 / 8  
 reaction time 0.139 interval 4.73 4.93 5.35 # of strides 10.71 10.28 0.43  
 wind 0.6 m/s velocity 8.36 10.57 10.14 9.35 9.53 88.0 9.34 9.73

**FINAL - 2024 Meeting de Paris (Paris, FRA)**

Omega Timing (2024) - diamond league race analysis

date 07-Jul-24 time 6.04 10.78 15.67 20.89 20.89 2 / 6  
 reaction time 0.155 interval 4.74 4.89 5.22 # of strides 10.78 10.11 0.67  
 wind -0.4 m/s velocity 8.28 10.55 10.22 9.58 9.57 87.0 9.28 9.89

**FINAL - 2023 Weltklasse (Zürich, SUI)**

Omega Timing (2023) - diamond league race analysis

date 31-Aug-23 time 5.93 10.59 15.46 20.66 20.66 2 / 8  
 reaction time 0.142 interval 4.66 4.87 5.20 # of strides 10.59 10.07 0.52  
 wind -0.5 m/s velocity 8.43 10.73 10.27 9.62 9.68 87.7 9.44 9.93

**Semi-Final 3 - 2023 World Athletics Championships (Budapest, HUN)**

Seiko Timing (2023) - world championship race analysis

date 24-Aug-23 time 10.76 20.67 20.67 2 / 8  
 reaction time 0.161 interval 9.91 # of strides 10.76 9.91 0.85  
 wind -0.4 m/s velocity 9.29 10.09 9.68 188.0 9.29 10.09

**Heat 3 - 2023 World Athletics Championships (Budapest, HUN)**

Seiko Timing (2023) - world championship race analysis

date 23-Aug-23 time 10.77 20.50 20.50 9 / 3  
 reaction time 0.164 interval 9.73 # of strides 10.77 9.73 1.04  
 wind -1.4 m/s velocity 9.29 10.28 9.76 86.0 9.29 10.28

**FINAL - 2023 Athletissima (Lausanne, SUI)**

Omega Timing (2023) - diamond league race analysis

date 30-Jun-23 time 5.92 10.66 15.60 20.91 20.91 2 / 7  
 reaction time 0.150 interval 4.74 4.94 5.31 # of strides 10.66 10.25 0.41  
 wind -1.4 m/s velocity 8.45 10.55 10.12 9.42 9.56 9.38 9.76

**Heat 5 - 2022 World Athletics Championships (Eugene, OR)**

Timing by Seiko (2022) - world athletics championships race analysis

date 18-Jul-22 time 10.82 20.71 20.71 6 / 5  
 reaction time 0.156 interval 9.89 # of strides 10.82 9.89 0.93  
 wind 0.4 m/s velocity 9.24 10.11 9.66 86.2 9.24 10.11

**FINAL - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)**

Omega Timing (2022) - diamond league race analysis

date 05-Jun-22 time 6.02 10.83 15.90 21.38 21.38 2 / 7  
 reaction time 0.147 interval 4.81 5.07 5.48 # of strides 10.83 10.55 0.28  
 wind 2.0 m/s velocity 8.31 10.40 9.86 9.12 9.35 89.0 9.23 9.48

**FINAL - 2021 Weltklasse (Zürich, SUI)**

Omega Timing (2021) - diamond league race analysis

date 09-Sep-21 time 5.9 10.6 15.4 20.49 20.49 1 / 8  
 reaction time 0.157 interval 4.70 4.80 5.09 # of strides 10.60 9.89 0.71  
 wind 0.5 m/s velocity 8.47 10.64 10.42 9.82 9.76 88.0 9.43 10.11

**FINAL - 2021 Athletissima (Lausanne, SUI)**

Omega Timing (2021) - diamond league race analysis

date 26-Aug-21 time 5.9 10.6 15.4 20.46 20.46 8 / 7 6  
 reaction time 0.140 interval 4.70 4.80 5.06 # of strides 10.60 9.86 0.74  
 wind 3.2 m/s velocity 8.47 10.64 10.42 9.88 9.78 87.0 9.43 10.14

**Regis, John (GBR) (1966)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**FINAL - 1993 IAAF World Championships (Stuttgart, GER)**Graubner (2008) - <http://www.fgs.uni-halle.de>

date 20-Aug-93 time 5.84 10.28 14.93 19.94 19.94 6 / 2  
 reaction time 0.155 interval 4.44 4.65 5.01 **NR** # of strides 10.28 9.66 0.62  
 wind 0.3 m/s velocity 8.56 11.26 10.75 9.98 10.03 89.5 9.73 10.35

**FINAL - 1991 European Cup (Frankfurt, GER)**Federle (2003) - <http://www.fgs.uni-halle.de>

date 30-Jun-91 time 10.61 20.73 20.73 / 2  
 reaction time interval 10.12 # of strides 10.61 10.12 0.49  
 wind -1.6 m/s velocity 9.43 9.88 9.65 9.43 9.88

<b>Semi-Final 1</b> - 1988 Olympic Games (Seoul, KOR) <i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>											
date	28-Sep-88	time	5.96	10.64	15.45	20.69	20.69	1 / 7			
reaction time	0.207	interval		4.68	4.81	5.24		# of strides	10.64	10.05	0.59
wind	1.5 m/s	velocity	8.39	10.68	10.40	9.54	9.67		9.40	9.95	

<b>FINAL</b> - 1987 IAAF World Championships (Rome, ITA) <i>Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)</i>											
date	03-Sep-87	time	5.89	10.53	15.21	20.18	20.18	2 / 3			
reaction time	0.146	interval		4.64	4.68	4.97	<b>PB</b>	# of strides	10.53	9.65	0.88
wind	-0.4 m/s	velocity	8.49	10.78	10.68	10.06	9.91	88.0	9.50	10.36	

<b>Semi-Final 1</b> - 1987 IAAF World Championships (Rome, ITA) <i>Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)</i>											
date	03-Sep-87	time	5.99	10.69	15.45	20.54	20.54	5 / 1			
reaction time	0.195	interval		4.70	4.76	5.09		# of strides	10.69	9.85	0.84
wind	0.5 m/s	velocity	8.35	10.64	10.50	9.82	9.74	87.7	9.35	10.15	

<b>Quarter-Final 3</b> - 1987 IAAF World Championships (Rome, ITA) <i>Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)</i>											
date	01-Sep-87	time	5.99	10.64	15.42	20.60	20.60	5 / 3			
reaction time	0.248	interval		4.65	4.78	5.18		# of strides	10.64	9.96	0.68
wind	0.4 m/s	velocity	8.35	10.75	10.46	9.65	9.71	88.0	9.40	10.04	

<b>Heat 6</b> - 1987 IAAF World Championships (Rome, ITA) <i>Moravec (1990) - time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)</i>											
date	01-Sep-87	time	6.05	10.67	15.54	20.76	20.76	1 / 1			
reaction time	0.225	interval		4.62	4.87	5.22		# of strides	10.67	10.09	0.58
wind	0.3 m/s	velocity	8.26	10.82	10.27	9.58	9.63		9.37	9.91	

<b>Rengifo, Shainer (CUB) (2002)</b> <b>50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential</b>											
<b>Heat 2</b> - 2022 World Athletics Championships (Eugene, OR) <i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	18-Jul-22	time		10.69		20.80	20.80	7 / 5			
reaction time	0.117	interval				10.11		# of strides	10.69	10.11	0.58
wind	0.0 m/s	velocity		9.35		9.89	9.62	89.0	9.35	9.89	

<b>Retamal, Pol (ESP) (1999)</b> <b>50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential</b>											
<b>FINAL</b> - 2018 IAAF World Junior Championships (Tampere, FIN) <i>Koyama (2018) - research on athlete performance and technique- 2018 data book</i>											
date	13-Jul-18	time	6.04	10.73	15.61	20.85	20.85	7 / 4			
reaction time	0.193	interval		4.69	4.88	5.24		# of strides	10.73	10.12	0.61
wind	-0.1 m/s	velocity	8.28	10.66	10.25	9.54	9.59		9.32	9.88	

<b>Richards, Jereem (TTO) (1994)</b> <b>50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential</b>											
<b>FINAL</b> - 2024 Athletissima (Lausanne, SU1) <i>Omega Timing (2024) - diamond league race analysis</i>											
date	22-Aug-24	time	5.87	10.44	15.14	20.10	20.10	3 / 5			
reaction time	0.142	interval		4.57	4.70	4.96		# of strides	10.44	9.66	0.78
wind	0.9 m/s	velocity	8.52	10.94	10.64	10.08	9.95	86.7	9.58	10.35	

<b>FINAL</b> - 2023 Athletissima (Lausanne, SU1) <i>Omega Timing (2023) - diamond league race analysis</i>											
date	30-Jun-23	time	5.83	10.40	15.07	20.11	20.11	8 / 2			
reaction time	0.136	interval		4.57	4.67	5.04		# of strides	10.40	9.71	0.69
wind	-1.4 m/s	velocity	8.58	10.94	10.71	9.92	9.95	88.7	9.62	10.30	

<b>FINAL</b> - 2023 Golden Gala Pietro Mennea (Firenze, ITA) <i>Omega Timing (2023) - diamond league race analysis</i>											
date	02-Jun-23	time	5.91	10.50	15.24	20.28	20.28	6 / 2			
reaction time	0.136	interval		4.59	4.74	5.04		# of strides	10.50	9.78	0.72
wind	0.0 m/s	velocity	8.46	10.89	10.55	9.92	9.86	89.0	9.52	10.22	

<b>FINAL</b> - 2022 Weltklasse (Zürich, SU1) <i>Omega Timing (2022) - diamond league race analysis</i>											
date	08-Sep-22	time	5.86	10.49	15.30	20.56	20.56	3 / 7			
reaction time	0.168	interval		4.63	4.81	5.26		# of strides	10.49	10.07	0.42
wind	-0.6 m/s	velocity	8.53	10.80	10.40	9.51	9.73	87.0	9.53	9.93	

<b>FINAL</b> - 2022 Memorial van Damme (Brussels, BEL) <i>Omega Timing (2022) - diamond league race analysis</i>											
date	02-Sep-22	time	5.89	10.41	15.15	20.27	20.27	6 / 4			
reaction time	0.152	interval		4.52	4.74	5.12		# of strides	10.41	9.86	0.55
wind	-2.9 m/s	velocity	8.49	11.06	10.55	9.77	9.87	88.0	9.61	10.14	

<b>FINAL</b> - 2022 Athletissima (Lausanne, SU1) <i>Omega Timing (2022) - diamond league race analysis</i>										
date	26-Aug-22	time	5.78	10.29	14.96	19.95	19.95	5 / 3		

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

reaction time	0.139	interval	4.51	4.67	4.99		# of strides	10.29	9.66	0.63
wind	1.3 m/s	velocity	8.65	11.09	10.71	10.02	10.03	87.2	9.72	10.35

**FINAL - 2022 Commonwealth Games (Birmingham, GBR)***Longines Timing (2022) - commonwealth games race analysis*

date	06-Aug-22	time	5.7	10.3	14.9	19.80	19.80	7 / 1			
reaction time	0.134	interval		4.60	4.60	4.90	<b>CR PB</b>	# of strides	10.30	9.50	0.80
wind	1.1 m/s	velocity	8.77	10.87	10.87	10.20	10.10	87.0	9.71	10.53	

**FINAL - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	21-Jul-22	time		10.41		20.08	20.08	2 / 6			
reaction time	0.124	interval				9.67		# of strides	10.41	9.67	0.74
wind	0.4 m/s	velocity		9.61		10.34	9.96	88.0	9.61	10.34	

**Semi-Final 2 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	19-Jul-22	time		10.51		19.86	19.86	3 / 3			
reaction time	0.122	interval				9.35		# of strides	10.51	9.35	1.16
wind	1.1 m/s	velocity		9.51		10.70	10.07	86.7	9.51	10.70	

**Heat 2 - 2022 World Athletics Championships (Eugene, OR)***Timing by Seiko (2022) - world athletics championships race analysis*

date	18-Jul-22	time		10.43		20.35	20.35	3 / 1			
reaction time	0.136	interval				9.92		# of strides	10.43	9.92	0.51
wind	0.0 m/s	velocity		9.59		10.08	9.83	85.0	9.59	10.08	

**FINAL - 2022 Doha Diamond League (Doha, QAT)***Omega Timing (2022) - diamond league race analysis*

date	13-May-22	time	5.9	10.5	15.2	20.15	20.15	3 / 3			
reaction time	0.153	interval		4.60	4.70	4.95		# of strides	10.50	9.65	0.85
wind	2.1 m/s	velocity	8.47	10.87	10.64	10.10	9.93	88.5	9.52	10.36	

**FINAL - 2019 Memorial van Damme (Brussels, BEL)***Omega Timing (2019) - diamond league race analysis*

date	06-Sep-19	time	6.0	10.6	15.4	20.53	20.53	8 / 7			
reaction time	0.135	interval		4.6	4.8	5.13		# of strides	10.60	9.93	0.67
wind	0.8 m/s	velocity	8.33	10.87	10.42	9.75	9.74	87.7	9.43	10.07	

**FINAL - 2017 IAAF World Championships (London, GBR)***Takahashi (2017) - 200m running performance analysis in the 2017 season*

date	10-Aug-17	time	5.84	10.41	15.14	20.11	20.11	7 / 3			
reaction time	0.149	interval		4.57	4.73	4.97		# of strides	10.41	9.70	0.71
wind	-0.1 m/s	velocity	8.56	10.94	10.57	10.06	9.95	87.7	9.61	10.31	

**Semi-Final 2 - 2017 IAAF World Championships (London, GBR)***Takahashi (2017) - 200m running performance analysis in the 2017 season*

date	09-Aug-17	time	5.82	10.37	15.03	20.14	20.14	5 / 1			
reaction time	0.158	interval		4.55	4.66	5.11		# of strides	10.37	9.77	0.60
wind	-0.3 m/s	velocity	8.59	10.99	10.73	9.78	9.93	86.5	9.64	10.24	

**Heat 2 - 2017 IAAF World Championships (London, GBR)***Takahashi (2017) - 200m running performance analysis in the 2017 season*

date	07-Aug-17	time	5.85	10.41	15.09	20.05	20.05	2 / 1			
reaction time	0.132	interval		4.56	4.68	4.96		# of strides	10.41	9.64	0.77
wind	-0.6 m/s	velocity	8.55	10.96	10.68	10.08	9.98	87.0	9.61	10.37	

**Richardson, Benji (RSA) (2003)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Heat 3 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympic Games - Results Book (2024)*

date	05-Aug-24	time	5.82	10.46	16.79	51.86	51.86	6 / 7			
reaction time	0.149	interval		4.64	6.33	35.07		# of strides	10.46	41.40	-30.94
wind	-0.1 m/s	velocity	8.59	10.78	7.90	1.43	3.86		9.56	2.42	

**Riddick, Steve (USA) (1951)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 1976 USA Olympic Trials (Eugene, OR)***Hymans (2008) - history of the US olympic trials - track and field*

date	21-Jun-76	time		10.7		20.45	20.45	4 / 4			
reaction time		interval				9.75		# of strides	10.70	9.75	0.95
wind	1.7 m/s	velocity		9.35		10.26	9.78		9.35	10.26	

**FINAL - 1975 Weltklasse (Zurich, SUI)***Breizer (1984) - sprint competition analysis*

date	20-Aug-75	time		10.67	15.41	20.31	20.31	1 / 2			
reaction time		interval			4.74	4.90	<b>PB</b>	# of strides	10.67	9.64	1.03
wind	0.5 m/s	velocity		9.37	10.55	10.20	9.85		9.37	10.37	

**Roberts, Edwin (TRI) (1941)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 1968 Olympic Games (Mexico City, MEX) (Altitude)***Hymans (2015) - progression of IAAF world records*

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

date	16-Oct-68	time	10.7	20.3	20.34	8 / 4			
reaction time		interval		9.60		# of strides	10.70	9.60	1.10
wind	0.9 m/s	velocity	9.35	10.42	9.83	95.0	9.35	10.42	

**Robertson, Andrew (GBR) (1990)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**B FINAL - 2012 Great CityGames (Manchester, GBR) (150m straightaway)**      *Jalava (2012) - www.tilastopaja.org*

date	20-May-12	time	10.44	15.54	15.54	/ 1			
reaction time		interval		5.10		# of strides	10.44		
wind	-0.5 m/s	velocity	9.58	9.80	9.65		9.58		

**Robinson, Albert (USA) (1964)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL - 1988 USA Olympic Trials (Indianapolis, IN)**      *Hymans (2008) - history of the US olympic trials - track and field*

date	20-Jul-88	time	10.50	20.05	20.05	3 / 4			
reaction time		interval		9.55		# of strides	10.50	9.55	0.95
wind	1.0 m/s	velocity	9.52	10.47	9.98		9.52	10.47	

**FINAL - 1984 USA Olympic Trials (Los Angeles, CA)**      *Hymans (2008) - history of the US olympic trials - track and field*

date	21-Jun-84	time	10.57	20.51	20.51	1 / 7			
reaction time		interval		9.94		# of strides	10.57	9.94	0.63
wind	-0.2 m/s	velocity	9.46	10.06	9.75		9.46	10.06	

**Semi-Final 2 - 1984 USA Olympic Trials (Los Angeles, CA)**      *Hymans (2020) - history of the US olympic trials - track and field*

date	21-Jun-84	time	10.59	20.59	20.59	1 / 2			
reaction time		interval		10.00		# of strides	10.59	10.00	0.59
wind	-0.6 m/s	velocity	9.44	10.00	9.71		9.44	10.00	

**Rodgers, Mike (USA) (1985)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL - 2020 Doha Diamond League (Doha, QAT)**      *Omega Timing (2020) - diamond league race analysis*

date	25-Sep-20	time	6.0	10.8	15.6	21.29	21.19	2 / 7	
reaction time	0.142	interval		4.80	4.80	5.69		# of strides	10.80
wind	0.9 m/s	velocity	8.33	10.42	10.42	8.79	9.44	90.0	9.26

**FINAL - 2010 Great CityGames (Manchester, GBR) (150m straightaway)**      *Jalava (2010) - www.tilastopaja.org*

date	16-May-10	time	10.36	15.42		15.42		3 / 4	
reaction time		interval		5.06				# of strides	10.36
wind	-1.1 m/s	velocity	9.65	9.88		9.73			9.65

**Rodney, Brendon (CAN) (1992)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**Semi-Final 3 - 2024 Olympic Games (Paris, FRA)**      *Paris 2024 Olympc Games - Results Book (2024)*

date	07-Aug-24	time	5.91	10.51	15.32	20.59	20.59	3 / 6	
reaction time	0.170	interval		4.60	4.81	5.27		# of strides	10.51
wind	-0.6 m/s	velocity	8.46	10.87	10.40	9.49	9.71	88.5	9.51

**Repechage 2 - 2024 Olympic Games (Paris, FRA)**      *Paris 2024 Olympc Games - Results Book (2024)*

date	06-Aug-24	time	5.85	10.43	15.21	20.42	20.42	4 / 1	
reaction time	0.144	interval		4.58	4.78	5.21		# of strides	10.43
wind	0.6 m/s	velocity	8.55	10.92	10.46	9.60	9.79	88.0	9.59

**Heat 3 - 2024 Olympic Games (Paris, FRA)**      *Paris 2024 Olympc Games - Results Book (2024)*

date	05-Aug-24	time	5.84	10.44	15.18	20.30	20.30	2 / 4	
reaction time	0.146	interval		4.60	4.74	5.12		# of strides	10.44
wind	-0.1 m/s	velocity	8.56	10.87	10.55	9.77	9.85	87.0	9.58

**Semi-Final 1 - 2023 World Athletics Championships (Budapest, HUN)**      *Seiko Timing (2023) - world championship race analysis*

date	24-Aug-23	time	10.36		20.27	20.27		7 / 4	
reaction time	0.148	interval			9.91			# of strides	10.36
wind	-0.1 m/s	velocity	9.65		10.09	9.87		187.0	9.65

**Heat 4 - 2023 World Athletics Championships (Budapest, HUN)**      *Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time	10.42		20.14	20.14		8 / 1	
reaction time	0.153	interval			9.72			# of strides	10.42
wind	-0.2 m/s	velocity	9.60		10.29	9.93		85.5	9.60

**FINAL - 2022 Commonwealth Games (Birmingham, GBR)**      *Longines Timing (2022) - commonwealth games race analysis*

date	06-Aug-22	time	5.8	10.4	15.3	20.65	20.65	9 / 5	
reaction time	0.140	interval		4.60	4.90	5.35		# of strides	10.40
wind	1.1 m/s	velocity	8.62	10.87	10.20	9.35	9.69	88.0	9.62

<b>Romero, Yeykell (NCA) (2002)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heat 6 - 2023 World Athletics Championships (Budapest, HUN)</b> <i>Seiko Timing (2023) - world championship race analysis</i>											
date	23-Aug-23	time		10.96		21.71	21.71	4 / 8			
reaction time	0.156	interval				10.75		# of strides	10.96	10.75	0.21
wind	-0.5 m/s	velocity		9.12		9.30	9.21	92.0	9.12	9.30	

<b>Rosswess, Michael (GBR) (1965)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 1988 Olympic Games (Seoul, KOR)</b> <i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>											
date	28-Sep-88	time	6.02	10.70	15.49	20.51	20.51	8 / 7			
reaction time	0.185	interval		4.68	4.79	5.02		# of strides	10.70	9.81	0.89
wind	1.7 m/s	velocity	8.31	10.68	10.44	9.96	9.75	89.3	9.35	10.19	
<b>Semi-Final 2 - 1988 Olympic Games (Seoul, KOR)</b> <i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>											
date	28-Sep-88	time	5.97	10.60	15.41	20.51	20.51	7 / 4			
reaction time	0.174	interval		4.63	4.81	5.10		# of strides	10.60	9.91	0.69
wind	1.6 m/s	velocity	8.38	10.80	10.40	9.80	9.75		9.43	10.09	

<b>Roun, Jindrich (CZE) (1965)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 1991 European Cup (Frankfurt, GER)</b> <i>Federle (2003) - http://www.fgs.uni-halle.de</i>											
date	30-Jun-91	time		11.01		21.39	21.39	1 / 7			
reaction time		interval				10.38		# of strides	11.01	10.38	0.63
wind	-1.6 m/s	velocity		9.08		9.63	9.35		9.08	9.63	

<b>Rouser, Jason (USA) (1970)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Heat 2 - 1996 USA Olympic Trials (Atlanta, GA)</b> <i>Hymans (2020) - history of the US olympic trials - track and field</i>											
date	21-Jun-96	time		10.71		20.80	20.80	1 / 6			
reaction time		interval				10.09		# of strides	10.71	10.09	0.62
wind	0.3 m/s	velocity		9.34		9.91	9.62		9.34	9.91	

<b>Routt, Stanford (USA) (1983)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Semi-Final 2 - 2004 USA Olympic Trials (Sacramento, CA)</b> <i>USATF Women's Sprint Development (2004)</i>											
date	17-Jul-04	time	5.76	10.46	15.27	20.60	20.60	1 / 5			
reaction time		interval		4.70	4.81	5.33		# of strides	10.46	10.14	0.32
wind	0.1 m/s	velocity	8.68	10.64	10.40	9.38	9.71		9.56	9.86	

<b>Rowe, Rodney (USA) (1997)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2019 The Match - Europe v USA (Minsk, BLR)</b> <i>European Athletics (2019) - race analysis</i>											
date	10-Sep-19	time		10.75		21.05	21.05	6 / 7			
reaction time	0.134	interval				10.30		# of strides	10.75	10.30	0.45
wind	-0.1 m/s	velocity		9.30		9.71	9.50	92.7	9.30	9.71	

<b>Rowland, Marcus (USA) (1990)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2012 USA Olympic Trials (Eugene, OR)</b> <i>Hymans (2020) - history of the US olympic trials - track and field</i>											
date	01-Jul-12	time		10.7		20.50	20.50	2 / 8			
reaction time	0.150	interval				9.80		# of strides	10.70	9.80	0.90
wind	2.3 m/s	velocity		9.35		10.20	9.76		9.35	10.20	

<b>Rutledge, John (USA) (2003)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Semi-Final 2 - 2024 USA Olympic Trials (Eugene, OR)</b> <i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>											
date	28-Jun-24	time	5.96	10.74	15.43	20.36	20.36	8 / 5			
reaction time		interval		4.78	4.69	4.93		# of strides	10.74	9.62	1.12
wind	0.7 m/s	velocity	8.39	10.46	10.66	10.14	9.82	88.7	9.31	10.40	
<b>Heat 2 - 2024 USA Olympic Trials (Eugene, OR)</b> <i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>											
date	27-Jun-24	time	5.87	10.57	15.38	20.43	20.43	8 / 3			
reaction time		interval		4.70	4.81	5.05		# of strides	10.57	9.86	0.71
wind	0.0 m/s	velocity	8.52	10.64	10.40	9.90	9.79	87.5	9.46	10.14	

<b>Ryabov, Aleksandr (RUS) (1975)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2001 European Cup (Bremen GER)</b> <i>Graubner (2007) - http://www.fgs.uni-halle.de</i>											
date	24-Jun-01	time	6.02	10.87	15.88	21.41	21.41	1 / 7			
reaction time	0.188	interval		4.85	5.01	5.53		# of strides	10.87	10.54	0.33
wind	-0.7 m/s	velocity	8.31	10.31	9.98	9.04	9.34		9.20	9.49	

<b>Ryan, Gary (IRL) (1972)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>Semi-Final 1 - 2002 European Championships (Munich, GER)</b> <i>Graubner (2009) - http://www.fgs.uni-halle.de</i>											

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

date	09-Aug-02	time	6.01	10.74	15.66	20.98	20.98	/ 6			
reaction time	0.139	interval		4.73	4.92	5.32		# of strides	10.74	10.24	0.50
wind	-0.5 m/s	velocity	8.32	10.57	10.16	9.40	9.53		9.31	9.77	

**Saga, Aki (JPN) (2003)**

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2021 Japanese High School National Championships (Fukui, JPN)							<i>Shibayama (2021) - national high school and U20 national championships</i>				
date	31-Jul-21	time	5.55	10.80	15.68	20.91	20.91	3 / 5			
reaction time	0.173	interval		5.25	4.88	5.23		# of strides	10.80	10.11	0.69
wind	3.1 m/s	velocity	9.01	9.52	10.25	9.56	9.56		9.26	9.89	

**Saidy Ndure, Jaysuma (NOR) (1984)**

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>A FINAL</b> - 2014 Windsprint (Sundsvall, SWE)							<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>				
date	20-Jul-14	time		10.67		20.61	20.61	5 / 1			
reaction time		interval				9.94		# of strides	10.67	9.94	0.73
wind	1.1 m/s	velocity		9.37		10.06	9.70		9.37	10.06	

**A FINAL** - 2013 Windsprint (Sundsvall, SWE)*(2013) - www.ssg.se/windsprint/Splittider/*

date	28-Jul-13	time		10.43	15.11	20.12	20.12	5 / 1			
reaction time		interval			4.68	5.01		# of strides	10.43	9.69	0.74
wind	2.2 m/s	velocity		9.59	10.68	9.98	9.94	83.0	9.59	10.32	

**FINAL** - 2012 Great CityGames (Manchester, GBR) (200m straightaway)*Jalava (2012) - www.tilastopaja.org*

date	20-May-12	time		10.51		20.64	20.64	2 / 1			
reaction time		interval				10.13		# of strides	10.51	10.13	0.38
wind	0.2 m/s	velocity		9.51		4.84	9.69		9.51	9.87	

**FINAL** - 2011 IAAF World Championships (Daegu, KOR)*Butler (2013) - IAAF world championships statistics handbook- moscow 2013*

date	03-Sep-11	time		10.2		19.95	19.95	8 / 4			
reaction time	0.164	interval				9.75		# of strides	10.20	9.75	0.45
wind	0.8 m/s	velocity		9.80		10.26	10.03	83.2	9.80	10.26	

**FINAL** - 2007 IAAF World Athletic Final (Stuttgart, GER)*Graubner (2007) - http://www.fgs.uni-halle.de*

date	23-Sep-07	time	5.81	10.34	14.99	19.89	19.89	4 / 1			
reaction time	0.148	interval		4.53	4.65	4.90	NR	# of strides	10.34	9.55	0.79
wind	1.3 m/s	velocity	8.61	11.04	10.75	10.20	10.06		9.67	10.47	

**Saito, Hitoshi (JPN) (1986)**

			50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Semi-Final 2</b> - 2011 IAAF World Championships (Daegu, KOR)							<i>Kyohei (2012) - run performance of 2011 world &amp; Japanese top 200m sprinters</i>				
date	02-Sep-11	time	5.99	10.72	15.80	21.17	21.17	2 / 6			
reaction time	0.146	interval		4.73	5.08	5.37		# of strides	10.72	10.45	0.27
wind	-1.0 m/s	velocity	8.35	10.57	9.84	9.31	9.45	89.0	9.33	9.57	

**Heat 5** - 2011 IAAF World Championships (Daegu, KOR)*Kyohei (2012) - run performance of 2011 world & Japanese top 200m sprinters*

date	02-Sep-11	time	5.92	10.65	15.57	20.80	20.80	6 / 3			
reaction time	0.167	interval		4.73	4.92	5.23		# of strides	10.65	10.15	0.50
wind	-0.8 m/s	velocity	8.45	10.57	10.16	9.56	9.62	89.0	9.39	9.85	

**FINAL** - 2011 Asian Championships (Kobe, JPN)*Kyohei (2012) - run performance of 2011 world & Japanese top 200m sprinters*

date	10-Jul-11	time	5.84	10.61	15.56	20.75	20.75	/ 2			
reaction time	0.113	interval		4.77	4.95	5.19		# of strides	10.61	10.14	0.47
wind	-0.4 m/s	velocity	8.56	10.48	10.10	9.63	9.64		9.43	9.86	

**Heat 2** - 2011 Asian Championships (Kobe, JPN)*Kyohei (2012) - run performance of 2011 world & Japanese top 200m sprinters*

date	09-Jul-11	time	6.03	10.79	15.72	20.91	20.91	/ 2			
reaction time	0.146	interval		4.76	4.93	5.19		# of strides	10.79	10.12	0.67
wind	0.9 m/s	velocity	8.29	10.50	10.14	9.63	9.56		9.27	9.88	

**FINAL** - 2011 Japanese National Championships (Kumagaya, JPN)*Kyohei (2012) - run performance of 2011 world & Japanese top 200m sprinters*

date	11-Jun-11	time	5.87	10.53	15.43	20.62	20.62	/ 2			
reaction time		interval		4.66	4.90	5.19		# of strides	10.53	10.09	0.44
wind	0.0 m/s	velocity	8.52	10.73	10.20	9.63	9.70		9.50	9.91	

**FINAL** - 2011 Shizuoka International Athletics Meeting (Fukuroi, JPN)*Kyohei (2012) - run performance of 2011 world & Japanese top 200m sprinters*

date	03-May-11	time	5.96	10.56	15.46	20.60	20.60	/ 1			
reaction time		interval		4.60	4.90	5.14		# of strides	10.56	10.04	0.52
wind	0.5 m/s	velocity	8.39	10.87	10.20	9.73	9.71		9.47	9.96	

<b>Saito, Isami (JPN) (1994)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2016 Japanese National High School Championships (Okayama, JPN)							<i>Kota (2016) - 69th high school championships: JAF scientific committee</i>				
date	01-Aug-16	time	5.59	10.84	15.77	20.97	20.97	6 / 1			
reaction time	0.154	interval		5.25	4.93	5.20	<b>PB</b>	# of strides	10.84	10.13	0.71
wind	-0.1 m/s	velocity	8.94	9.52	10.14	9.62	9.54		9.23	9.87	

<b>Saito, Keisyyu (JPN) (2004)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2022 Japanese National High School Championships (Naruto, JPN)							<i>Kishima (2022) - national high school championships biomechanics data collection</i>				
date	06-Aug-22	time	6.67	11.03	16.08	21.47	21.47	6 / 1			
reaction time	0.129	interval		4.36	5.05	5.39		# of strides	11.03	10.44	0.59
wind	-2.3 m/s	velocity	7.50	11.47	9.90	9.28	9.32		9.07	9.58	

<b>Saito, Ryohei (JPN) (1999)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2017 Japanese National High School Championships (Yamagata, JPN)							<i>Kota (2017) - 70th high school championships: JAF scientific committee</i>				
date	01-Aug-17	time	5.61	10.82	15.81	21.15	21.15	6 / 3			
reaction time	0.182	interval		5.21	4.99	5.34		# of strides	10.82	10.33	0.49
wind	0.5 m/s	velocity	8.91	9.60	10.02	9.36	9.46		9.24	9.68	

<b>FINAL</b> - 2015 Japanese National High School Championships (Wakayama, JPN)							<i>Nomoto (2015) - 68th high school championships: JAF scientific committee</i>				
date	01-Aug-15	time	5.74	11.19	16.28	21.68	21.68	8 / 8			
reaction time		interval		5.45	5.09	5.40		# of strides	11.19	10.49	0.70
wind	-1.5 m/s	velocity	8.71	9.17	9.82	9.26	9.23		8.94	9.53	

<b>Salem, Mohamed Yacoub (BRN) (1995)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2018 Asian Games (Jakarta, INA)							<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>				
date	29-Aug-18	time	5.89	10.51	15.37	20.55	20.55	5 / 3			
reaction time	0.175	interval		4.62	4.86	5.18		# of strides	10.51	10.04	0.47
wind	0.7 m/s	velocity	8.49	10.82	10.29	9.65	9.73	90.5	9.51	9.96	

<b>Sales, Antonio (USA) (1989)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2008 USATF National Junior Championships (Columbus, OH)							<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	22-Jun-08	time	10.65	15.67	20.94	20.94	7 / 1				
reaction time		interval		5.02	5.27	<b>PB</b>		# of strides	10.65	10.29	0.36
wind	-2.2 m/s	velocity	9.39	9.96	9.49	9.55			9.39	9.72	

<b>Samuels, J-Mee (USA) (1987)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Semi-Final 1</b> - 2008 USA Olympic Trials (Eugene, OR)							<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	05-Jul-08	time	5.94	10.67	15.53	20.67	20.67	2 / 6			
reaction time		interval		4.73	4.86	5.14		# of strides	10.67	10.00	0.67
wind	2.2 m/s	velocity	8.42	10.57	10.29	9.73	9.68		9.37	10.00	

<b>Quarter-Final 4</b> - 2008 USA Olympic Trials (Eugene, OR)							<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	05-Jul-08	time	6.07	10.79	15.65	20.86	20.86	8 / 5			
reaction time		interval		4.72	4.86	5.21		# of strides	10.79	10.07	0.72
wind	1.8 m/s	velocity	8.24	10.59	10.29	9.60	9.59		9.27	9.93	

<b>Heat 4</b> - 2008 USA Olympic Trials (Eugene, OR)							<i>USATF Women's Sprint Development with HPC (2008)</i>				
date	04-Jul-08	time	5.87	10.69	15.64	21.21	21.21	3 / 5			
reaction time		interval		4.82	4.95	5.57		# of strides	10.69	10.52	0.17
wind	1.2 m/s	velocity	8.52	10.37	10.10	8.98	9.43	96.2	9.35	9.51	

<b>Sandin, Christofer (SWE) (1979)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>B FINAL</b> - 2007 Windsprint (Sundsvall, SWE)							<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>				
date	24-Jul-07	time	11.14	16.23	21.74	21.74	3 / 2				
reaction time		interval		5.09	5.51		# of strides	11.14	10.60	0.54	
wind	0.9 m/s	velocity	8.98	9.82	9.07	9.20			8.98	9.43	

<b>Sani Brown, Abdul Hakim (JPN) (1991)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2019 Japanese National Championships (Fukuoka, JPN)							<i>Yamanaka (2019) - research on athlete performance and technique- 2019 data book</i>				
date	30-Jun-19	time	5.73	10.32	15.16	20.35	20.35	4 / 1			
reaction time	0.175	interval		4.59	4.84	5.19		# of strides	10.32	10.03	0.29
wind	-1.3 m/s	velocity	8.73	10.89	10.33	9.63	9.83	87.0	9.69	9.97	

<b>FINAL</b> - 2017 IAAF World Championships (London, GBR)							<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>				
date	10-Aug-17	time	5.76	10.37	15.30	20.63	20.63	8 / 7			

reaction time	0.162	interval	4.61	4.93	5.33		# of strides	10.37	10.26	0.11
wind	-0.1 m/s	velocity	8.68	10.85	10.14	9.38	9.69	86.6	9.64	9.75

**Semi-Final 2** - 2017 IAAF World Championships (London, GBR)*Takahashi (2017) - 200m running performance analysis in the 2017 season*

date	09-Aug-17	time	5.79	10.35	15.15	20.43	20.43	9 / 2			
reaction time	0.193	interval	4.56	4.80	5.28			# of strides	10.35	10.08	0.27
wind	-0.3 m/s	velocity	8.64	10.96	10.42	9.47	9.79	87.5	9.66	9.92	

**Heat 1** - 2017 IAAF World Championships (London, GBR)*Takahashi (2017) - 200m running performance analysis in the 2017 season*

date	07-Aug-17	time	5.89	10.53	15.35	20.52	20.52	8 / 2			
reaction time	0.221	interval	4.64	4.82	5.17			# of strides	10.53	9.99	0.54
wind	-0.5 m/s	velocity	8.49	10.78	10.37	9.67	9.75	88.0	9.50	10.01	

**FINAL** - 2017 Japanese National Championships (Osaka, JPN)*Takahashi (2017) - 200m running performance analysis in the 2017 season*

date	25-Jun-17	time	5.80	10.39	15.19	20.32	20.32	6 / 1			
reaction time	0.185	interval	4.59	4.80	5.13	<b>PB</b>		# of strides	10.39	9.93	0.46
wind	0.3 m/s	velocity	8.62	10.89	10.42	9.75	9.84	87.2	9.62	10.07	

**FINAL** - 2016 Shizuoka International Athletics Meeting (Fukuroi, JPN)*Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

date	03-May-16	time	5.81	10.50	15.35	20.54	20.54	1 / 2			
reaction time		interval	4.69	4.85	5.19			# of strides	10.50	10.04	0.46
wind	1.0 m/s	velocity	8.61	10.66	10.31	9.63	9.74		9.52	9.96	

**Semi-Final 2** - 2015 IAAF World Championships (Beijing, CHN)*Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date	26-Aug-15	time	5.86	10.43	15.27	20.47	20.47	9 / 5			
reaction time	0.182	interval	4.57	4.84	5.20			# of strides	10.43	10.04	0.39
wind	-0.2 m/s	velocity	8.53	10.94	10.33	9.62	9.77	89.0	9.59	9.96	

**Heat 4** - 2015 IAAF World Championships (Beijing, CHN)*Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date	25-Aug-15	time	5.78	10.38	15.19	20.35	20.35	9 / 2			
reaction time	0.158	interval	4.60	4.81	5.16			# of strides	10.38	9.97	0.41
wind	0.0 m/s	velocity	8.65	10.87	10.40	9.69	9.83	82.2	9.63	10.03	

**FINAL** - 2015 Japanese National High School Championships (Wakayama, JPN)*Nomoto (2015) - 68th high school championships: JAF scientific committee*

date	01-Aug-15	time	5.49	10.68	15.58	20.82	20.82	4 / 1			
reaction time		interval	5.19	4.90	5.24			# of strides	10.68	10.14	0.54
wind	-1.5 m/s	velocity	9.11	9.63	10.20	9.54	9.61		9.36	9.86	

**FINAL** - 2015 Japanese National Championships (Niigata, JPN)*Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date	27-Jun-15	time	5.89	10.54	15.43	20.57	20.57	5 / 2			
reaction time	0.168	interval	4.65	4.89	5.14			# of strides	10.54	10.03	0.51
wind	0.8 m/s	velocity	8.49	10.75	10.22	9.73	9.72	85.7	9.49	9.97	

**FINAL** - 2014 Japanese National High School Championships (Kofu, JPN)*Yanagiya (2014) - research on athlete performance and technique- 2014*

date	02-Aug-14	time	5.54	10.78	15.77	21.21	21.21	4 / 2			
reaction time		interval	5.24	4.99	5.44	<b>PB</b>		# of strides	10.78	10.43	0.35
wind	-1.6 m/s	velocity	9.03	9.54	10.02	9.19	9.43		9.28	9.59	

**Santos, Marcos (ANG) (2004)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Heat 3** - 2023 World Athletics Championships (Budapest, HUN)*Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time	10.76		21.05	21.05	4 / 7				
reaction time	0.141	interval			10.29	<b>NR NJR PB</b>		# of strides	10.76	10.29	0.47
wind	-1.4 m/s	velocity	9.29		9.72	9.50	88.0		9.29	9.72	

**Heat 4** - 2022 World Athletics Championships (Eugene, OR)*Timing by Seiko (2022) - world athletics championships race analysis*

date	18-Jul-22	time	11.24		22.12	22.12	8 / 7				
reaction time	0.209	interval			10.88	<b>DQ</b>		# of strides	11.24	10.88	0.36
wind	0.5 m/s	velocity	8.90		9.19	9.04			8.90	9.19	

**Sato, Katsuki (JPN) (2007)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL** - 2024 Japanese National High School Championships (Fukuoka, JPN)*Takashima (2024) - national high school sports festival - biomechanics data*

date	31-Jul-24	time	5.85	10.65	15.55	20.76	20.76	8 / 2			
reaction time	0.160	interval	4.80	4.90	5.21	<b>PB</b>		# of strides	10.65	10.11	0.54
wind	0.1 m/s	velocity	8.55	10.42	10.20	9.60	9.63		9.39	9.89	

**Sawa, Daichi (JPN) (2000)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL** - 2018 Japanese National High School Championships (Nagoya, JPN)*Koyama (2018) - 71st high school championships: JAF scientific committee - biomechanics*



date	05-Aug-18	time	5.71	11.04	16.09	21.45	21.45	9 / 6			
reaction time		interval		5.33	5.05	5.36		# of strides	11.04	10.41	0.63
wind	-1.6 m/s	velocity	8.76	9.38	9.90	9.33	9.32		9.06	9.61	

**Schenke, Siegfried (GDR) (1943)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**FINAL - 1972 Olympic Games (Munich, FRG)** *Gundlach (1973) - beobachtungsergebnisse in der leichtathletik*

date	04-Sep-72	time		10.65	15.42	20.56	20.56	8 / 6			
reaction time		interval			4.77	5.14		# of strides	10.65	9.91	0.74
wind	0.0 m/s	velocity		9.39	10.48	9.73	9.73	90.0	9.39	10.09	

**Schneeberger, Marc (SUI) (1981)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**Heat 6 - 2009 IAAF World Championships (Berlin, GER)** *Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	18-Aug-09	time	6.05	10.75	15.62	20.76	20.76	4 / 2			
reaction time	0.136	interval		4.70	4.87	5.14		# of strides	10.75	10.01	0.74
wind	0.2 m/s	velocity	8.26	10.64	10.27	9.73	9.63		9.30	9.99	

**Quarter-Final 4 - 2007 IAAF World Championships (Osaka, JPN)** *Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	28-Aug-07	time	6.03	10.72	15.68	21.09	21.09	2 / 7			
reaction time	0.140	interval		4.69	4.96	5.41		# of strides	10.72	10.37	0.35
wind	0.6 m/s	velocity	8.29	10.66	10.08	9.24	9.48	88.0	9.33	9.64	

**Schröder, Thomas (GDR) (1962)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**Semi-Final 2 - 1986 European Championships (Stuttgart, FRG)** *Veney - split times from PJ*

date	28-Aug-86	time		10.51		20.54	20.54	/ 1			
reaction time	0.176	interval				10.03	<b>PB</b>	# of strides	10.51	10.03	0.48
wind	0.0 m/s	velocity		9.51		9.97	9.74		9.51	9.97	

**Schwarthoff, Florian (GER) (1968)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**FINAL - 1991 European Cup (Frankfurt, GER)** *Federle (2003) - http://www.fgs.uni-halle.de*

date	30-Jun-91	time		10.95		21.16	21.16	/ 5			
reaction time		interval				10.21		# of strides	10.95	10.21	0.74
wind	-1.6 m/s	velocity		9.13		9.79	9.45		9.13	9.79	

**Scott, Leonard (USA) (1980)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**Semi-Final 1 - 2004 USA Olympic Trials (Sacramento, CA)** *USATF Women's Sprint Development (2004)*

date	17-Jul-04	time	5.87	10.61	15.38	20.57	20.57	5 / <del>5</del> 4			
reaction time		interval		4.74	4.77	5.19		# of strides	10.61	9.96	0.65
wind	-0.7 m/s	velocity	8.52	10.55	10.48	9.63	9.72		9.43	10.04	

**Sebabi, Nasser (SWE) (1982)** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**C FINAL - 2008 Windsprint (Sundsvall, SWE)** *(2008) - www.ssg.se/en/Windsprint/Split-times/*

date	06-Jul-08	time		11.34	16.79	22.75	22.75	6 / 5			
reaction time		interval			5.45	5.96		# of strides	11.34	11.41	-0.07
wind	0.8 m/s	velocity		8.82	9.17	8.39	8.79		8.82	8.76	

**C FINAL - 2007 Windsprint (Sundsvall, SWE)** *(2007) - www.ssg.se/en/Windsprint/Split-times/*

date	24-Jul-07	time		11.18	16.43	22.27	22.27	5 / 3			
reaction time		interval			5.25	5.84		# of strides	11.18	11.09	0.09
wind	0.6 m/s	velocity		8.94	9.52	8.56	8.98		8.94	9.02	

**Seo, Hideaki (JPN) (2000)** 50m 100m 150m Official Time Lane / Place 0-100m 100-200m Differential  
**FINAL - 2018 Japanese National High School Championships (Nagoya, JPN)** *Kota (2018) - 71st high school championships: JAF scientific committee*

date	05-Aug-18	time	5.63	10.95	16.01	21.42	21.42	7 / 5			
reaction time		interval		5.32	5.06	5.41	<b>PB</b>	# of strides	10.95	10.47	0.48
wind	-1.6 m/s	velocity	8.88	9.40	9.88	9.24	9.34		9.13	9.55	

**Seoud, Amr Ibrahim Mostafa (EGY) ( )** 50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
**FINAL - 2008 Windsprint (Sundsvall, SWE)** *(2008) - www.ssg.se/en/Windsprint/Split-times/*

date	06-Jul-08	time		10.83	15.81	21.08	21.08	2 / 3			
reaction time		interval			4.98	5.27		# of strides	10.83	10.25	0.58
wind	2.5 m/s	velocity		9.23	10.04	9.49	9.49		9.23	9.76	

**Quarter-Final 1 - 2007 IAAF World Championships (Osaka, JPN)** *Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	28-Aug-07	time	5.95	10.63	15.54	20.72	20.72	2 / 6			
reaction time	0.139	interval		4.68	4.91	5.18		# of strides	10.63	10.09	0.54
wind	0.3 m/s	velocity	8.40	10.68	10.18	9.65	9.65	91.0	9.41	9.91	

<b>Shelvin, Nolton (USA) (2001)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Semi-Final 1</b> - 2024 USA Olympic Trials (Eugene, OR)						<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>					
date	28-Jun-24	time	5.97	10.73	15.67	20.81	20.81	4 / 5			
reaction time		interval		4.76	4.94	5.14		# of strides	10.73	10.08	0.65
wind	0.3 m/s	velocity	8.38	10.50	10.12	9.73	9.61	96.0	9.32	9.92	
<b>Heat 4</b> - 2024 USA Olympic Trials (Eugene, OR)						<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>					
date	27-Jun-24	time	5.79	10.54	15.39	20.53	20.53	6 / 3			
reaction time		interval		4.75	4.85	5.14		# of strides	10.54	9.99	0.55
wind	1.2 m/s	velocity	8.64	10.53	10.31	9.73	9.74	93.0	9.49	10.01	
<b>Sheng Chao (CHN) (1996)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2019 Chinese World Championships Trials (Shenyang, CHN)						<i>Jiang (2019) - data analysis men's sprint finals the world championships trials</i>					
date	03-Aug-19	time	6.09	10.89	15.70	20.93	20.93	8 / 3			
reaction time		interval		4.80	4.81	5.23		# of strides	10.89	10.04	0.85
wind	0.0 m/s	velocity	8.21	10.42	10.40	9.56	9.56		9.18	9.96	
<b>Shigetani, Hiroki (JPN) (2002)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2018 Japanese National Youth (U18) Championships (Nagano, JPN)						<i>Ryutaro (2018) - research on athlete performance and technique</i>					
date	21-Oct-18	time	6.04	10.85	15.88	21.23	21.23	6 / 1			
reaction time	0.136	interval		4.81	5.03	5.35		# of strides	10.85	10.38	0.47
wind	0.1 m/s	velocity	8.28	10.40	9.94	9.35	9.42	91.5	9.22	9.63	
<b>Shimada, Kaishin (JPN) (2002)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2021 Japanese U20 National Championships (Osaka, JPN)						<i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>					
date	27-Jun-21	time	5.99	10.77	15.79	21.19	21.19	8 / 4			
reaction time	0.163	interval		4.78	5.02	5.40		# of strides	10.77	10.42	0.35
wind	-0.3 m/s	velocity	8.35	10.46	9.96	9.26	9.44	98.5	9.29	9.60	
<b>A FINAL</b> - 2020 Japanese High School National Championships (Hiroshima, JPN)						<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>					
date	25-Oct-20	time	5.94	10.70	15.70	21.02	21.02	5 / 2			
reaction time	0.149	interval		4.76	5.00	5.32		# of strides	10.70	10.32	0.38
wind	1.0 m/s	velocity	8.42	10.50	10.00	9.40	9.51	105.7	9.35	9.69	
<b>Heat 2</b> - 2020 Japanese High School National Championships (Hiroshima, JPN)						<i>Kobayashi (2002) - national high school and U20 national championships</i>					
date	25-Oct-20	time	5.96	10.73	15.67	21.03	21.03	5 / 1			
reaction time	0.156	interval		4.77	4.94	5.36		# of strides	10.73	10.30	0.43
wind	2.0 m/s	velocity	8.39	10.48	10.12	9.33	9.51	105.2	9.32	9.71	
<b>FINAL</b> - 2020 Seiko Golden Grand Prix (Tokyo, JPN)						<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>					
date	23-Aug-20	time	5.92	10.78	15.86	21.42	21.42	1 / 6			
reaction time	0.121	interval		4.86	5.08	5.56		# of strides	10.78	10.64	0.14
wind	0.6 m/s	velocity	8.45	10.29	9.84	8.99	9.34	99.2	9.28	9.40	
<b>Shimada, Shin (JPN)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>U18 FINAL</b> - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)						<i>Niwa (2019) - research on athlete performance and technique- 2019 data book</i>					
date	20-Oct-19	time	6.09	10.97	16.01	21.53	21.53	6 / 4			
reaction time	0.170	interval		4.88	5.04	5.52		# of strides	10.97	10.56	0.41
wind	-0.5 m/s	velocity	8.21	10.25	9.92	9.06	9.29	101.2	9.12	9.47	
<b>Shimizu, Tkeru (JPN) (2004)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2023 Japanese U20 National Championships (Osaka, JPN)						<i>Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC</i>					
date	02-Jun-23	time	6.07	10.93	15.91	21.19	21.19	5 / 2			
reaction time	0.163	interval		4.86	4.98	5.28		# of strides	10.93	10.26	0.67
wind	0.2 m/s	velocity	8.24	10.29	10.04	9.47	9.44	88.2	9.15	9.75	
<b>Shirahata, Kentaro (JPN) (2006)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2021 Japanese U16 National Championships (Matsuyama, JPN) (150m)						<i>Shibayama (2021) - national high school and U20 national championships</i>					
date	23-Oct-21	time	6.22	11.16	16.36		16.36	4 / 3			
reaction time		interval		4.94	5.20			# of strides	11.16		10.14
wind	-0.9 m/s	velocity	8.04	10.12	9.62		12.22	69.0	8.96		9.86
<b>Shiraishi, Kirara (JPN) (1996)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2020 All Japan Corporate Championships (Kumagaya, JPN)						<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>					
date	20-Sep-20	time	5.98	10.70	15.68	21.19	21.19	9 / 3			

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

reaction time	0.177	interval	4.72	4.98	5.51		# of strides	10.70	10.49	0.21
wind	1.2 m/s	velocity	8.36	10.59	10.04	9.07	9.44	93.7	9.35	9.53

**FINAL - 2020 Seiko Golden Grand Prix (Tokyo, JPN)***Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020*

date	23-Aug-20	time	5.86	10.65	16.32	28.81	28.81	5 / 8			
reaction time	0.137	interval	4.79	5.67	12.49			# of strides	10.65	18.16	-7.51
wind	0.6 m/s	velocity	8.53	10.44	8.82	4.00	6.94		9.39	5.51	

**Heat 6 - 2019 IAAF World Championships (Doha, QAT)***Takahashi (2019) - race analysis top 200m athletes- domestic and international*

date	29-Sep-19	time	5.82	10.46	15.31	20.62	20.62	4 / 5			
reaction time	0.164	interval	4.64	4.85	5.31			# of strides	10.46	10.16	0.30
wind	0.9 m/s	velocity	8.59	10.78	10.31	9.42	9.70	93.0	9.56	9.84	

**FINAL - 2019 Japanese National Championships (Fukuoka, JPN)***Yamanaka (2019) - research on athlete performance and technique- 2019 data book*

date	30-Jun-19	time	5.83	10.46	15.38	20.80	20.80	7 / 4			
reaction time	0.160	interval	4.63	4.92	5.42			# of strides	10.46	10.34	0.12
wind	-1.3 m/s	velocity	8.58	10.80	10.16	9.23	9.62	95.0	9.56	9.67	

**C FINAL - 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)***Kobayashi (2019) - research on athlete performance technique- 2019 data book*

date	03-May-19	time	5.86	10.46	15.36	20.68	20.68	2 / 1			
reaction time		interval	4.60	4.90	5.32		<b>PB</b>	# of strides	10.46	10.22	0.24
wind	-0.2 m/s	velocity	8.53	10.87	10.20	9.40	9.67	93.0	9.56	9.78	

**Siame, Sydney (ZAM) (1997)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2019 Athletissima (Lausanne, SUI)***Omega Timing (2019) - diamond league race analysis*

date	05-Jul-19	time	5.9	10.5	15.4	20.47	20.47	2 / 8			
reaction time	0.147	interval	4.6	4.9	5.07			# of strides	10.50	9.97	0.53
wind	-0.1 m/s	velocity	8.47	10.87	10.20	9.86	9.77	95.0	9.52	10.03	

**Semi-Final 2 - 2017 IAAF World Championships (London, GBR)***Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m*

date	09-Aug-17	time	10.28	15.06	20.39	20.54		6 / 4			
reaction time	0.154	interval	4.78	5.33				# of strides	10.28	10.11	0.17
wind	-0.3 m/s	velocity	9.73	10.46	9.38	9.74		96.0	9.73	9.89	

**Simbine, Akani (RSA) (1993)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 1 - 2017 IAAF World Championships (London, GBR)***Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m*

date	09-Aug-17	time	10.28	15.14	20.44	20.62		4 / 7			
reaction time	0.183	interval	4.86	5.30				# of strides	10.28	10.16	0.12
wind	2.1 m/s	velocity	9.73	10.29	9.43	9.70		95.0	9.73	9.84	

**Simionato, Carlo (ITA) (1961)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 1983 IAAF World Championships (Helsinki, FIN)***Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints*

date	14-Aug-83	time	10.68	15.52	20.69	20.69		1 / 7			
reaction time	0.161	interval	4.84	5.17				# of strides	10.68	10.01	0.67
wind	1.2 m/s	velocity	9.36	10.33	9.67	9.67		88.7	9.36	9.99	

**Skoglund, Björn (SWE) (1991)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****E FINAL - 2007 Windsprint (Sundsvall, SWE)***(2007) - www.ssg.se/en/Windsprint/Split-times/*

date	24-Jul-07	time	11.49	16.83	22.82	22.82		2 / 1			
reaction time		interval	5.34	5.99		<b>PB</b>		# of strides	11.49	11.33	0.16
wind	0.8 m/s	velocity	8.70	9.36	8.35	8.76			8.70	8.83	

**Skupin-Alfa, Milo (GER) (1999)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2018 IAAF World Junior Championships (Tampere, FIN)***Koyama (2018) - research on athlete performance and technique- 2018 data book*

date	13-Jul-18	time	6.01	10.76	15.71	21.07	21.07	1 / 7			
reaction time	0.143	interval	4.75	4.95	5.36			# of strides	10.76	10.31	0.45
wind	-0.1 m/s	velocity	8.32	10.53	10.10	9.33	9.49		9.29	9.70	

**Smellie, Gavin (CAN) (1986)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Heat 9 - 2009 IAAF World Championships (Berlin, GER)***Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	18-Aug-09	time	5.94	10.59	15.44	20.71	20.71	7 / 3			
reaction time	0.165	interval	4.65	4.85	5.27			# of strides	10.59	10.12	0.47
wind	-0.7 m/s	velocity	8.42	10.75	10.31	9.49	9.66		9.44	9.88	

**Smirnov, Roman (RUS) (1984)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Heat 1 - 2009 IAAF World Championships (Berlin, GER)***Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	18-Aug-09	time	5.96	10.70	15.61	20.85	20.85	2 / 2			
reaction time	0.143	interval		4.74	4.91	5.24		# of strides	10.70	10.15	0.55
wind	-1.5 m/s	velocity	8.39	10.55	10.18	9.54	9.59		9.35	9.85	

**FINAL - 2007 European Cup (Munich, GER)**Graubner (2007) - <http://www.fgs.uni-halle.de>

date	24-Jun-07	time		10.67	15.55	20.75	20.75	/ 7			
reaction time	0.138	interval			4.88	5.20		# of strides	10.67	10.08	0.59
wind	1.0 m/s	velocity		9.37	10.25	9.62	9.64		9.37	9.92	

**Smith, Calvin (USA) (1961)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL - 1988 USA Olympic Trials (Indianapolis, IN)** Hymans (2008) - *history of the US olympic trials - track and field*

date	20-Jul-88	time		10.5		20.27	20.27	2 / 5			
reaction time		interval				9.77		# of strides	10.50	9.77	0.73
wind	1.0 m/s	velocity		9.52		10.24	9.87		9.52	10.24	

**FINAL - 1987 IAAF World Championships (Rome, ITA)**Moravec (1990) - *time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)*

date	03-Sep-87	time	5.98	10.63	15.29	20.16	20.16	8 / 1			
reaction time	0.284	interval		4.65	4.66	4.87		# of strides	10.63	9.53	1.10
wind	-0.4 m/s	velocity	8.36	10.75	10.73	10.27	9.92	86.0	9.41	10.49	

**Semi-Final 1 - 1987 IAAF World Championships (Rome, ITA)**Moravec (1990) - *time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)*

date	03-Sep-87	time	6.02	10.76	15.54	20.54	20.54	6 / 2			
reaction time	0.256	interval		4.74	4.78	5.00		# of strides	10.76	9.78	0.98
wind	0.5 m/s	velocity	8.31	10.55	10.46	10.00	9.74	87.5	9.29	10.22	

**Quarter-Final 2 - 1987 IAAF World Championships (Rome, ITA)**Moravec (1990) - *time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)*

date	01-Sep-87	time	5.89	10.55	15.33	20.38	20.38	3 / 1			
reaction time	0.246	interval		4.66	4.78	5.05		# of strides	10.55	9.83	0.72
wind	1.3 m/s	velocity	8.49	10.73	10.46	9.90	9.81	86.2	9.48	10.17	

**Heat 5 - 1987 IAAF World Championships (Rome, ITA)**Moravec (1990) - *time analysis of the sprints - Rome 1987 Scientific Report (2nd ed)*

date	01-Sep-87	time	5.92	10.56	15.39	20.62	20.62	/ 1			
reaction time	0.246	interval		4.64	4.83	5.23		# of strides	10.56	10.06	0.50
wind	-0.8 m/s	velocity	8.45	10.78	10.35	9.56	9.70		9.47	9.94	

**Semi-Final 2 - 1984 USA Olympic Trials (Los Angeles, CA)**Hymans (2020) - *history of the US olympic trials - track and field*

date	21-Jun-84	time		10.54		20.65	20.65	/ 5			
reaction time		interval				10.11		# of strides	10.54	10.11	0.43
wind	-0.6 m/s	velocity		9.49		9.89	9.69		9.49	9.89	

**FINAL - 1983 IAAF World Championships (Helsinki, FIN)**Moravec (1986) - *IAAF biomechanical research - Athens 1986 - sprints*

date	14-Aug-83	time		10.30	15.10	20.14	20.14	3 / 1			
reaction time	0.244	interval			4.80	5.04	CR	# of strides	10.30	9.84	0.46
wind	1.2 m/s	velocity		9.71	10.42	9.92	9.93	86.2	9.71	10.16	

**Smith, Chuck (USA) (1949)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL - 1972 Olympic Games (Munich, FRG)** Gundlach (1973) - *beobachtungsergebnisse in der leichtathletik*

date	04-Sep-72	time		10.59	15.31	20.55	20.55	3 / 5			
reaction time		interval			4.72	5.24		# of strides	10.59	9.96	0.63
wind	0.0 m/s	velocity		9.44	10.59	9.54	9.73	83.0	9.44	10.04	

**Smith, Demarius (USA) (1998)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**Semi-Final 2 - 2024 USA Olympic Trials (Eugene, OR)** USATF and Karmarush (2024) - *USA Olympic trials results and race analysis*

date	28-Jun-24	time	6.08	10.78	15.59	20.74	20.74	2 / 9			
reaction time		interval		4.70	4.81	5.15		# of strides	10.78	9.96	0.82
wind	0.7 m/s	velocity	8.22	10.64	10.40	9.71	9.64	85.5	9.28	10.04	

**Heat 2 - 2024 USA Olympic Trials (Eugene, OR)**USATF and Karmarush (2024) - *USA Olympic trials results and race analysis*

date	27-Jun-24	time	5.96	10.67	15.59	20.91	20.91	6 / 6			
reaction time		interval		4.71	4.92	5.32		# of strides	10.67	10.24	0.43
wind	0.0 m/s	velocity	8.39	10.62	10.16	9.40	9.56	86.2	9.37	9.77	

**Smith, Paul (USA) (1984)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**FINAL - 2003 USATF National Junior Championships (Palo Alto, CA)** USATF Women's Sprint Development (2003)

date	21-Jun-03	time	6.24	11.24	16.25	21.79	21.79	9 / 8			
reaction time		interval		5.00	5.01	5.54		# of strides	11.24	10.55	0.69

wind -1.8 m/s velocity 8.01 10.00 9.98 9.03 9.18 8.90 9.48

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Smith, Tommie (USA) (1944)</b>										
<b>FINAL</b> - 1968 Olympic Games (Mexico City, MEX) ( <i>Altitude</i> )										
date	16-Oct-68	time	10.52		19.83	19.83	3 / 1			
reaction time		interval			9.31	<b>WR</b>	# of strides	10.52	9.31	1.21
wind	0.9 m/s	velocity	9.51		10.74	10.09	84.7	9.51	10.74	
<b>Söderqvist, Per-Erik (SWE) (1987)</b>										
<b>E FINAL</b> - 2007 Windsprint (Sundsvall, SWE)										
date	24-Jul-07	time	11.82	17.34	23.25	23.25	6 / 4			
reaction time		interval		5.52	5.91		# of strides	11.82	11.43	0.39
wind	0.8 m/s	velocity	8.46	9.06	8.46	8.60		8.46	8.75	
<b>Somasundaram, Suganthan (SUI) (19</b>										
<b>FINAL</b> - 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)										
date	07-May-16	time	6.00	10.83	16.01	16.01	/ 5			
reaction time		interval	4.83	5.18		<b>PB</b>	# of strides	10.83		<b>50-150m</b>
wind	1.3 m/s	velocity	8.33	10.35	9.65	9.37		9.23		9.99
<b>Someya, Yoshihiro (JPN) (1998)</b>										
<b>FINAL</b> - 2020 Seiko Golden Grand Prix (Tokyo, JPN)										
date	23-Aug-20	time	5.91	10.63	15.59	20.97	20.97	8 / 3		
reaction time	0.156	interval	4.72	4.96	5.38		# of strides	10.63	10.34	0.29
wind	0.6 m/s	velocity	8.46	10.59	10.08	9.29	9.54	91.7	9.41	9.67
<b>FINAL</b> - 2019 Japanese National Championships (Fukuoka, JPN)										
date	30-Jun-19	time	5.93	10.67	15.69	21.22	21.22	3 / 8		
reaction time	0.148	interval	4.74	5.02	5.53		# of strides	10.67	10.55	0.12
wind	-1.3 m/s	velocity	8.43	10.55	9.96	9.04	9.43	91.7	9.37	9.48
<b>FINAL</b> - 2019 Seiko Golden Grand Prix (Osaka, JPN)										
date	19-May-19	time	5.85	10.59	15.60	20.89	20.89	2 / 8		
reaction time	0.148	interval	4.74	5.01	5.29		# of strides	10.59	10.30	0.29
wind	-0.4 m/s	velocity	8.55	10.55	9.98	9.45	9.57	90.5	9.44	9.71
<b>A FINAL</b> - 2019 Shizuoka International Athletics Meeting (Fukuoi, JPN)										
date	03-May-19	time	5.93	10.66	15.60	20.91	20.91	2 / 2		
reaction time		interval	4.73	4.94	5.31		# of strides	10.66	10.25	0.41
wind	0.5 m/s	velocity	8.43	10.57	10.12	9.42	9.56	91.0	9.38	9.76
<b>FINAL</b> - 2018 Japanese National Championships (Yamaguchi, JPN)										
date	24-Jun-18	time	5.85	10.57	15.54	20.85	20.85	4 / 6		
reaction time	0.155	interval	4.72	4.97	5.31		# of strides	10.57	10.28	0.29
wind	0.8 m/s	velocity	8.55	10.59	10.06	9.42	9.59	90.0	9.46	9.73
<b>Heat 2</b> - 2018 Shizuoka International Meeting (Fukuoi, JPN)										
date	03-May-18	time	5.89	10.55	15.43	20.65	20.65	8 / 1		
reaction time	0.175	interval	4.66	4.88	5.22		# of strides	10.55	10.10	0.45
wind	1.1 m/s	velocity	8.49	10.73	10.25	9.58	9.69	90.0	9.48	9.90
<b>FINAL</b> - 2016 Japanese National High School Championships (Okayama, JPN)										
date	01-Aug-16	time	5.48	10.66	15.68	21.02	21.02	7 / 2		
reaction time	0.166	interval	5.18	5.02	5.34		# of strides	10.66	10.36	0.30
wind	-0.1 m/s	velocity	9.12	9.65	9.96	9.36	9.51	9.38	9.65	
<b>Šorm, Patrik (CZE) (1993)</b>										
<b>FINAL</b> - 2013 Czech Republic National Championships (Tábor, CZE)										
date	16-Jun-13	time	6.31	11.27	16.47	21.88	21.88	2 / 7		
reaction time	0.179	interval	4.96	5.20	5.41		# of strides	11.27	10.61	0.66
wind	-0.9 m/s	velocity	7.92	10.08	9.62	9.24	9.14	8.87	9.43	
<b>Heat 3</b> - 2013 Czech Republic National Championships (Tábor, CZE)										
date	16-Jun-13	time	6.26	11.18	16.37	21.88	21.88	3 / 3		
reaction time	0.162	interval	4.92	5.19	5.51		# of strides	11.18	10.70	0.48
wind	-0.9 m/s	velocity	7.99	10.16	9.63	9.07	9.14	8.94	9.35	

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

<b>Sorrillo, Rondell (TTO) (1986)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL</b> - 2011 IAAF World Championships (Daegu, KOR) <i>Butler (2013) - IAAF world championships statistics handbook- moscow 2013</i>											
date	03-Sep-11	time	10.5			20.34	20.34	1 / 7			
reaction time	0.122	interval				9.84		# of strides	10.50	9.84	0.66
wind	0.8 m/s	velocity	9.52			10.16	9.83	85.7	9.52	10.16	
<b>Semi-Final 1</b> - 2009 IAAF World Championships (Berlin, GER) <i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	19-Aug-09	time	5.91	10.65	15.47	20.63	20.63	2 / 6			
reaction time	0.128	interval		4.74	4.82	5.16		# of strides	10.65	9.98	0.67
wind	0.0 m/s	velocity	8.46	10.55	10.37	9.69	9.69	87.0	9.39	10.02	
<b>Quarter-Final 1</b> - 2009 IAAF World Championships (Berlin, GER) <i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	18-Aug-09	time	5.85	10.61	15.44	20.58	20.58	5 / 5			
reaction time	0.143	interval		4.76	4.83	5.14		# of strides	10.61	9.97	0.64
wind	0.0 m/s	velocity	8.55	10.50	10.35	9.73	9.72		9.43	10.03	
<b>Heat 5</b> - 2009 IAAF World Championships (Berlin, GER) <i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	18-Aug-09	time	5.95	10.81	15.60	20.74	20.74	8 / 2			
reaction time	0.159	interval		4.86	4.79	5.14		# of strides	10.81	9.93	0.88
wind	-0.2 m/s	velocity	8.40	10.29	10.44	9.73	9.64		9.25	10.07	
<b>Sougate, Zakaria (MAR) (2001)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>National FINAL</b> - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR) <i>Omega Timing (2022) - diamond league race analysis</i>											
date	05-Jun-22	time	6.38	11.42	16.74	22.47	22.47	5 / 5			
reaction time	0.185	interval		5.04	5.32	5.73		# of strides	11.42	11.05	0.37
wind	-0.6 m/s	velocity	7.84	9.92	9.40	8.73	8.90		8.76	9.05	
<b>Spearmon, Wallace (USA) (1984)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL</b> - 2012 Great North CityGames (Newcastle, GBR) (150m straightaway) <i>Jalava (2012) - www.tilastopaja.org</i>											
date	15-Sep-12	time	5.91	10.39	15.13		15.13	2 / 1			<b>50-150m</b>
reaction time		interval		4.48	4.74			# of strides	10.39		9.22
wind	0.7 m/s	velocity	8.46	11.16	10.55		9.91		9.62		10.85
<b>FINAL</b> - 2012 Olympic Games (London, GBR) <i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>											
date	09-Aug-12	time		10.48		19.90	19.90	6 / 4			
reaction time	0.165	interval				9.42		# of strides	10.48	9.42	1.06
wind	0.4 m/s	velocity		9.54		10.62	10.05	87.5	9.54	10.62	
<b>FINAL</b> - 2012 USA Olympic Trials (Eugene, OR) <i>Hymans (2020) - history of the US olympic trials - track and field</i>											
date	01-Jul-12	time		10.4		19.82	19.82	6 / 1			
reaction time	0.146	interval				9.42		# of strides	10.40	9.42	0.98
wind	2.3 m/s	velocity		9.62		10.62	10.09		9.62	10.62	
<b>FINAL</b> - 2012 Great CityGames (Manchester, GBR) (150m straightaway) <i>Jalava (2012) - www.tilastopaja.org</i>											
date	20-May-12	time		10.26	14.87		14.87	2 / 1			
reaction time		interval			4.61			# of strides	10.26		
wind	-0.1 m/s	velocity		9.75	10.85		10.09		9.75		
<b>FINAL</b> - 2009 IAAF World Championships (Berlin, GER) <i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	20-Aug-09	time	5.89	10.42	15.06	19.85	19.85	4 / 3			
reaction time	0.152	interval		4.53	4.64	4.79		# of strides	10.42	9.43	0.99
wind	-0.3 m/s	velocity	8.49	11.04	10.78	10.44	10.08	86.0	9.60	10.60	79.88
<b>Semi-Final 2</b> - 2009 IAAF World Championships (Berlin, GER) <i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	19-Aug-09	time	5.90	10.43	15.12	20.14	20.14	5 / 1			
reaction time	0.164	interval		4.53	4.69	5.02		# of strides	10.43	9.71	0.72
wind	0.3 m/s	velocity	8.47	11.04	10.66	9.96	9.93		9.59	10.30	
<b>Quarter-Final 4</b> - 2009 IAAF World Championships (Berlin, GER) <i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	18-Aug-09	time	6.06	10.56	15.35	20.44	20.44	4 / 2			
reaction time	0.161	interval		4.50	4.79	5.09		# of strides	10.56	9.88	0.68
wind	-0.6 m/s	velocity	8.25	11.11	10.44	9.82	9.78		9.47	10.12	
<b>Heat 9</b> - 2009 IAAF World Championships (Berlin, GER) <i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	18-Aug-09	time	6.02	10.72	15.63	20.66	20.66	3 / 2			

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

reaction time	0.144	interval	4.70	4.91	5.03		# of strides	10.72	9.94	0.78
wind	-0.7 m/s	velocity	8.31	10.64	10.18	9.94	9.68	9.33	10.06	

**FINAL - 2008 Olympic Games (Beijing, CHN)** *Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016*

date	20-Aug-08	time	10.50	19.95	19.95		9 / 3			
reaction time	0.167	interval		9.45	<b>DQ</b>		# of strides	10.50	9.45	1.05
wind	-0.9 m/s	velocity	9.52	10.58	10.03		83.0	9.52	10.58	

**FINAL - 2008 USA Olympic Trials (Eugene, OR)** *USATF Women's Sprint Development with HPC (2008)*

date	06-Jul-08	time	5.97	10.54	15.18	19.90	19.90	6 / 3		
reaction time	0.147	interval		4.57	4.64	4.72		# of strides	10.54	9.36
wind	1.7 m/s	velocity	8.38	10.94	10.78	10.59	10.05	9.49	10.68	1.18

**Semi-Final 1 - 2008 USA Olympic Trials (Eugene, OR)** *USATF Women's Sprint Development with HPC (2008)*

date	05-Jul-08	time	6.02	10.62	15.18	20.05	20.05	7 / 2		
reaction time		interval		4.60	4.56	4.87		# of strides	10.62	9.43
wind	2.2 m/s	velocity	8.31	10.87	10.96	10.27	9.98	9.42	10.60	1.19

**Quarter-Final 3 - 2008 USA Olympic Trials (Eugene, OR)** *USATF Women's Sprint Development with HPC (2008)*

date	05-Jul-08	time	6.06	10.68	15.38	20.59	20.59	6 / 2		
reaction time		interval		4.62	4.70	5.21		# of strides	10.68	9.91
wind	0.1 m/s	velocity	8.25	10.82	10.64	9.60	9.71	9.36	10.09	0.77

**Heat 5 - 2008 USA Olympic Trials (Eugene, OR)** *USATF Women's Sprint Development with HPC (2008)*

date	04-Jul-08	time	6.04	10.66	15.60	20.81	20.81	7 / 1		
reaction time		interval		4.62	4.94	5.21		# of strides	10.66	10.15
wind	1.3 m/s	velocity	8.28	10.82	10.12	9.60	9.61	9.38	9.85	0.51

**FINAL - 2007 IAAF World Athletic Final (Stuttgart, GER)** *Graubner (2007) - <http://www.fgs.uni-halle.de>*

date	23-Sep-07	time	5.97	10.53	15.20	20.18	20.18	5 / 2		
reaction time	0.143	interval		4.56	4.67	4.98		# of strides	10.53	9.65
wind	1.3 m/s	velocity	8.38	10.96	10.71	10.04	9.91	9.50	10.36	0.88

**FINAL - 2007 IAAF World Championships (Osaka, JPN)** *Ae (2008) - IAAF biomechanics team - a booklet of biomechanics data*

date	30-Aug-07	time	5.94	10.32	15.08	20.05	20.05	6 / 3		
reaction time	0.144	interval		4.38	4.76	4.97		# of strides	10.32	9.73
wind	-0.8 m/s	velocity	8.42	11.42	10.50	10.06	9.98	84.2	9.69	10.28

**Semi-Final 1 - 2007 IAAF World Championships (Osaka, JPN)** *Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	29-Aug-07	time	5.90	10.42	15.10	20.05	20.05	7 / 2		
reaction time	0.133	interval		4.52	4.68	4.95		# of strides	10.42	9.63
wind	-0.4 m/s	velocity	8.47	11.06	10.68	10.10	9.98	84.0	9.60	10.38

**Quarter-Final 2 - 2007 IAAF World Championships (Osaka, JPN)** *Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	28-Aug-07	time	5.91	10.47	15.15	20.26	20.26	5 / 2		
reaction time	0.120	interval		4.56	4.68	5.11		# of strides	10.47	9.79
wind	-0.3 m/s	velocity	8.46	10.96	10.68	9.78	9.87	83.0	9.55	10.21

**FINAL - 2006 IAAF World Athletic Final (Stuttgart, GER) (TV Analysis)** *Graubner (2008) - <http://www.fgs.uni-halle.de>*

date	10-Sep-06	time	5.83	10.33	14.94	19.88	19.88	5 / 2		
reaction time	0.133	interval		4.50	4.61	4.94	<b>PB</b>	# of strides	10.33	9.55
wind	-0.1 m/s	velocity	8.58	11.11	10.85	10.12	10.06	9.68	10.47	0.78

**FINAL - 2006 USATF National Championships (Indianapolis, IN)** *USATF Women's Sprint Development (2006)*

date	25-Jun-06	time	5.97	10.54	15.18	19.90	19.90	7 / 1		
reaction time		interval		4.57	4.64	4.72		# of strides	10.54	9.36
wind	0.3 m/s	velocity	8.38	10.94	10.78	10.59	10.05	9.49	10.68	1.18

**FINAL - 2005 USATF National Championships (Carson, CA)** *USATF Women's Sprint Development (2005)*

date	26-Jun-05	time	5.94	10.37	15.20	20.16	20.16	5 / 4		
reaction time		interval		4.43	4.83	4.96		# of strides	10.37	9.79
wind	-0.9 m/s	velocity	8.42	11.29	10.35	10.08	9.92	89.2	9.64	10.21

**Semi-Final 1 - 2004 USA Olympic Trials (Sacramento, CA)** *USATF Women's Sprint Development (2004)*

date	17-Jul-04	time	6.11	10.79	15.65	20.92	20.92	2 / 8 7		
reaction time		interval		4.68	4.86	5.27		# of strides	10.79	10.13

wind -0.7 m/s velocity 8.18 10.68 10.29 9.49 9.56 9.27 9.87

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>St. Julian, Jah'Shawn (USA) (1968)</b>										
<b>Quarter-Final 3 - 1996 USA Olympic Trials (Atlanta, GA)</b>		<i>Hymans (2020) - history of the US olympic trials - track and field</i>								
date	22-Jun-96	time	10.71		20.93	20.93	/ 8			
reaction time		interval			10.22		# of strides	10.71	10.22	0.49
wind	0.7 m/s	velocity	9.34		9.78	9.56		9.34	9.78	
<b>Heat 3 - 1996 USA Olympic Trials (Atlanta, GA)</b>		<i>Hymans (2020) - history of the US olympic trials - track and field</i>								
date	21-Jun-96	time	10.60		20.91	20.91	/ 2			
reaction time		interval			10.31		# of strides	10.60	10.31	0.29
wind	0.9 m/s	velocity	9.43		9.70	9.56		9.43	9.70	
<b>Štastny, Lukáš (CZE) (1991)</b>										
<b>FINAL - 2013 Czech Republic National Championships (Tábor, CZE)</b>		<i>Feher (2013) - Final report men's &amp; women's Czech Republic national champs</i>								
date	16-Jun-13	time	6.12	10.86	15.80	20.99	20.99	3 / 2		
reaction time	0.167	interval	4.74	4.94	5.19		# of strides	10.86	10.13	0.73
wind	-0.9 m/s	velocity	8.17	10.55	10.12	9.63	9.53	9.21	9.87	
<b>Heat 1 - 2013 Czech Republic National Championships (Tábor, CZE)</b>		<i>Feher (2013) - Final report men's &amp; women's Czech Republic national champs</i>								
date	16-Jun-13	time	6.27	11.13	16.22	21.63	21.63	4 / 1		
reaction time	0.211	interval	4.86	5.09	5.41		# of strides	11.13	10.50	0.63
wind	-0.7 m/s	velocity	7.97	10.29	9.82	9.24	9.25	8.98	9.52	
<b>Stevens, Patrick (BEL) (1968)</b>										
<b>FINAL - 1997 IAAF World Championships (Athens, GRE)</b>		<i>Ritzdorf (1997) - biomechanical research project at VIth world championships athletics</i>								
date	08-Aug-97	time	5.74	10.38	15.18	20.26	20.44	8 / 8		
reaction time	0.183	interval	4.64	4.80	5.08		# of strides	10.38	9.88	0.50
wind	2.3 m/s	velocity	8.71	10.78	10.42	9.84	9.78	89.4	9.63	10.12
<b>FINAL - 1996 Olympic Games (Atlanta, GA)</b>		<i>Veney - split times from PJ</i>								
date	01-Aug-96	time	10.43		20.27	20.27	7 / 7			
reaction time	0.151	interval			9.84		# of strides	10.43	9.84	0.59
wind	0.4 m/s	velocity	9.59		10.16	9.87	88.2	9.59	10.16	
<b>Storhaug, Lars-Jøran (NOR) (1989)</b>										
<b>E FINAL - 2014 Windsprint (Sundsvall, SWE)</b>		<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>								
date	20-Jul-14	time	11.39		22.14	22.14	3 / 1			
reaction time		interval			10.75	<b>PB</b>	# of strides	11.39	10.75	0.64
wind	1.7 m/s	velocity	8.78		9.30	9.03		8.78	9.30	
<b>D FINAL - 2012 Windsprint (Sundsvall, SWE)</b>		<i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>								
date	17-Jun-12	time	11.59		22.37	22.37	/ 3			
reaction time		interval			10.78		# of strides	11.59	10.78	0.81
wind	0.0 m/s	velocity	8.63		4.47	8.94		8.63	9.28	
<b>Stubbs, Jamarion (USA) (2004)</b>										
<b>FINAL - 2024 USA Olympic Trials (Eugene, OR)</b>		<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>								
date	29-Jun-24	time	6.03	10.73	15.63	20.60	20.60	1 / 9		
reaction time		interval	4.70	4.90	4.97		# of strides	10.73	9.87	0.86
wind	0.5 m/s	velocity	8.29	10.64	10.20	10.06	9.71	89.0	9.32	10.13
<b>Semi-Final 2 - 2024 USA Olympic Trials (Eugene, OR)</b>		<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>								
date	28-Jun-24	time	6.02	10.68	15.40	20.31	20.31	5 / 4		
reaction time		interval	4.66	4.72	4.91		# of strides	10.68	9.63	1.05
wind	0.7 m/s	velocity	8.31	10.73	10.59	10.18	9.85	87.0	9.36	10.38
<b>Heat 1 - 2024 USA Olympic Trials (Eugene, OR)</b>		<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>								
date	27-Jun-24	time	5.97	10.66	15.40	20.44	20.44	3 / 3		
reaction time		interval	4.69	4.74	5.04		# of strides	10.66	9.78	0.88
wind	0.3 m/s	velocity	8.38	10.66	10.55	9.92	9.78	9.38	10.22	
<b>Suetsugu, Shingo (JPN) (1980)</b>										
<b>Quarter-Final 3 - 2007 IAAF World Championships (Osaka, JPN)</b>		<i>Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs</i>								
date	28-Aug-07	time	5.86	10.45	15.37	20.70	20.70	5 / 6		
reaction time	0.157	interval	4.59	4.92	5.33		# of strides	10.45	10.25	0.20

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation



wind 0.9 m/s velocity 8.53 10.89 10.16 9.38 9.66 93.0 9.57 9.76

**Šulc, Vojtech (CZE) (1986)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2013 Czech Republic National Championships (Tábor, CZE)					<i>Feher (2013) - Final report men's &amp; women's Czech Republic national champs</i>					
date	16-Jun-13	time	6.15	10.97	16.10	21.54	21.54	7 / 6		
reaction time	0.207	interval		4.82	5.13	5.44	# of strides	10.97	10.57	0.40
wind	-0.9 m/s	velocity	8.13	10.37	9.75	9.19	9.29	9.12	9.46	

**Heat 3** - 2013 Czech Republic National Championships (Tábor, CZE) *Feher (2013) - Final report men's & women's Czech Republic national champs*

date	16-Jun-13	time	6.22	11.01	16.12	21.57	21.57	5 / 2		
reaction time	0.231	interval		4.79	5.11	5.45	# of strides	11.01	10.56	0.45
wind	-0.9 m/s	velocity	8.04	10.44	9.78	9.17	9.27	9.08	9.47	

**Sulusi-Sjö, Brian (SWE) (1977)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>C FINAL</b> - 2007 Windsprint (Sundsvall, SWE)					<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>					
date	24-Jul-07	time	11.36	16.65	22.58	22.58	6 / 5			
reaction time		interval		5.29	5.93		# of strides	11.36	11.22	0.14
wind	0.6 m/s	velocity	8.80	9.45	8.43	8.86		8.80	8.91	

**Sundvall, Hjalmar (SWE) (1994)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>G FINAL</b> - 2014 Windsprint (Sundsvall, SWE)					<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>					
date	20-Jul-14	time	11.61		22.99	22.99	3 / 1			
reaction time		interval			11.38		# of strides	11.61	11.38	0.23
wind	1.4 m/s	velocity	8.61		8.79	8.70		8.61	8.79	

**Sunneborn, Mattias (SWE) (1970)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>C FINAL</b> - 2007 Windsprint (Sundsvall, SWE)					<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>					
date	24-Jul-07	time	11.19	16.39	21.96	21.96	3 / 2			
reaction time		interval		5.20	5.57		# of strides	11.19	10.77	0.42
wind	0.6 m/s	velocity	8.94	9.62	8.98	9.11		8.94	9.29	

**Suwa, Tatsuro (JPN) (1994)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2017 Japanese National Championships (Osaka, JPN)					<i>Takahashi (2017) - 200m running performance analysis in the 2017 season</i>					
date	25-Jun-17	time	5.80	10.49	15.50	20.83	20.83	8 / 5		
reaction time	0.144	interval		4.69	5.01	5.33	# of strides	10.49	10.34	0.15
wind	0.3 m/s	velocity	8.62	10.66	9.98	9.38	9.60	96.0	9.53	9.67

**FINAL** - 2011 Japanese National High School Championships (Kitakami, JPN) *Abe (2011) - 64th high school championships: JAF scientific committee*

date	06-Aug-11	time	6.11	11.02	15.97	21.38	21.38	1 / 5		
reaction time		interval		4.91	4.95	5.41	# of strides	11.02	10.36	0.66
wind	-0.4 m/s	velocity	8.18	10.18	10.10	9.24	9.35	9.07	9.65	

**Suzuki, Aoto (JPN) (2001)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL</b> - 2021 Ready Steady Tokyo (Tokyo, JPN)					<i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>						
date	09-May-21	time	5.95	10.71	15.66	20.95	20.95	2 / 8			
reaction time	0.168	interval		4.76	4.95	5.29	<b>PB</b>	# of strides	10.71	10.24	0.47
wind	1.4 m/s	velocity	8.40	10.50	10.10	9.45	9.55	91.0	9.34	9.77	

**Suzuki, Daisuke (JPN) (1990)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>FINAL</b> - 2008 Japanese National High School Championships (Kumagaya, JPN)					<i>Abe (2008) - 61st high school championships: JAF scientific committee</i>					
date	01-Aug-08	time	6.04	10.98	16.18	21.73	21.73	1 / 3		
reaction time		interval		4.94	5.20	5.55	# of strides	10.98	10.75	0.23
wind	-1.3 m/s	velocity	8.28	10.12	9.62	9.01	9.20	9.11	9.30	

**Suzuki, Ryota (JPN) (1999)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>FINAL</b> - 2021 Japanese National Championships (Osaka, JPN)					<i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>						
date	27-Jun-21	time	5.89	10.65	15.55	20.73	20.73	9 / 3			
reaction time	0.155	interval		4.76	4.90	5.18	<b>PB</b>	# of strides	10.65	10.08	0.57
wind	1.0 m/s	velocity	8.49	10.50	10.20	9.65	9.65	9.39	9.92		

**FINAL** - 2021 Ready Steady Tokyo (Tokyo, JPN) *Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season*

date	09-May-21	time	5.96	10.69	15.57	20.79	20.79	4 / 5		
reaction time	0.156	interval		4.73	4.88	5.22	# of strides	10.69	10.10	0.59
wind	1.4 m/s	velocity	8.39	10.57	10.25	9.58	9.62	95.2	9.35	9.90

**FINAL** - 2020 Japanese National Championships (Niigata, JPN) *Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020*

date	03-Oct-20	time	5.90	10.62	15.56	20.89	20.89	3 / 3			
reaction time	0.147	interval		4.72	4.94	5.33		# of strides	10.62	10.27	0.35
wind	-0.5 m/s	velocity	8.47	10.59	10.12	9.38	9.57	95.5	9.42	9.74	

**Svensson, Charles (SWE) (1975)** **50m** **100m** **150m** **200m** **Official Time** **Lane / Place** **0-100m** **100-200m** **Differential**  
**F FINAL - 2007 Windsprint (Sundsvall, SWE)** *(2007) - www.ssg.se/en/Windsprint/Split-times/*

date	24-Jul-07	time		12.22	17.82	23.95	23.95	6 / 4			
reaction time		interval			5.60	6.13		# of strides	12.22	11.73	0.49
wind	0.5 m/s	velocity	8.18	8.93	8.16	8.35			8.18	8.53	

**Svensson, Felix (SUI) (1997)** **50m** **100m** **150m** **200m** **Official Time** **Lane / Place** **0-100m** **100-200m** **Differential**  
**Repechage 4 - 2024 Olympic Games (Paris, FRA)** *Paris 2024 Olympc Games - Results Book (2024)*

date	06-Aug-24	time	5.94	10.58	15.48	20.65	20.65	5 / 4			
reaction time	0.138	interval		4.64	4.90	5.17		# of strides	10.58	10.07	0.51
wind	0.3 m/s	velocity	8.42	10.78	10.20	9.67	9.69	91.0	9.45	9.93	

**Heat 1 - 2024 Olympic Games (Paris, FRA)** *Paris 2024 Olympc Games - Results Book (2024)*

date	05-Aug-24	time	5.94	10.59	15.40	20.54	20.54	8 / 5			
reaction time	0.148	interval		4.65	4.81	5.14		# of strides	10.59	9.95	0.64
wind	0.1 m/s	velocity	8.42	10.75	10.40	9.73	9.74	91.5	9.44	10.05	

**FINAL - 2020 Bauhaus Galan (Stockholm, SWE)** *Omega Timing (2020) - diamond league race analysis*

date	23-Aug-20	time	6.1	10.9	15.8	20.75	20.75	3 / 2			
reaction time	0.135	interval		4.80	4.90	4.95		# of strides	10.90	9.85	1.05
wind	3.0 m/s	velocity	8.20	10.42	10.20	10.10	9.64	90.0	9.17	10.15	

**FINAL - 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)** *Swiss Athletics (2016) - sprint and hurdle analysis*

date	07-May-16	time	6.22	11.06	16.10		16.10	/ 6			<b>50-150m</b>
reaction time		interval		4.84	5.04		<b>PB</b>	# of strides	11.06		9.88
wind	1.3 m/s	velocity	8.04	10.33	9.92		9.32		9.04		10.12

**Svoboda, Vojtech (CZE) (1995)** **50m** **100m** **150m** **200m** **Official Time** **Lane / Place** **0-100m** **100-200m** **Differential**

**Heat 3 - 2013 Czech Republic National Championships (Tábor, CZE)** *Feher (2013) - Final report men's & women's Czech Republic national champs*

date	16-Jun-13	time	6.25	11.15	16.43	22.20	22.20	6 / 5			
reaction time	0.227	interval		4.90	5.28	5.77		# of strides	11.15	11.05	0.10
wind	-0.9 m/s	velocity	8.00	10.20	9.47	8.67	9.01		8.97	9.05	

**Szetei, Petr (CZE) (1984)** **50m** **100m** **150m** **200m** **Official Time** **Lane / Place** **0-100m** **100-200m** **Differential**

**FINAL - 2013 Czech Republic National Championships (Tábor, CZE)** *Feher (2013) - Final report men's & women's Czech Republic national champs*

date	16-Jun-13	time	6.30	11.12	16.10	21.35	21.35	6 / 4			
reaction time	0.236	interval		4.82	4.98	5.25		# of strides	11.12	10.23	0.89
wind	-0.9 m/s	velocity	7.94	10.37	10.04	9.52	9.37		8.99	9.78	

**Heat 2 - 2013 Czech Republic National Championships (Tábor, CZE)** *Feher (2013) - Final report men's & women's Czech Republic national champs*

date	16-Jun-13	time	6.28	10.98	15.99	21.33	21.33	5 / 2			
reaction time	0.244	interval		4.70	5.01	5.34		# of strides	10.98	10.35	0.63
wind	0.8 m/s	velocity	7.96	10.64	9.98	9.36	9.38		9.11	9.66	

**Tahara, Ren (JPN) (2002)** **50m** **100m** **150m** **200m** **Official Time** **Lane / Place** **0-100m** **100-200m** **Differential**

**FINAL - 2021 Japanese U20 National Championships (Osaka, JPN)** *Takahashi (2021) - race analysis of domestic 200m & U16 150m in olympic season*

date	27-Jun-21	time	6.04	10.85	15.86	21.19	21.19	5 / 3			
reaction time	0.157	interval		4.81	5.01	5.33		# of strides	10.85	10.34	0.51
wind	-0.3 m/s	velocity	8.28	10.40	9.98	9.38	9.44	90.2	9.22	9.67	

**Tajima, Kazuya (JPN) (1990)** **50m** **100m** **150m** **200m** **Official Time** **Lane / Place** **0-100m** **100-200m** **Differential**

**FINAL - 2008 Japanese National High School Championships (Kumagaya, JPN)** *Abe (2008) - 61st high school championships: JAF scientific committee*

date	01-Aug-08	time	6.05	11.07	16.37	21.98	21.98	/ 6			
reaction time		interval		5.02	5.30	5.61		# of strides	11.07	10.91	0.16
wind	-1.3 m/s	velocity	8.26	9.96	9.43	8.91	9.10		9.03	9.17	

**FINAL - 2007 Japanese National High School Championships (Saga, JPN)** *Hitorara (2007) - 60st high school championships: JAF scientific committee*

date	04-Aug-07	time	6.10	11.04	16.42	22.08	22.08	2 / 2			
reaction time		interval		4.94	5.38	5.66		# of strides	11.04	11.04	0.00
wind	-4.3 m/s	velocity	8.20	10.12	9.29	8.83	9.06		9.06	9.06	

**Takagi, Yuki (JPN) (2000)** **50m** **100m** **150m** **200m** **Official Time** **Lane / Place** **0-100m** **100-200m** **Differential**

<b>FINAL - 2018 Japanese National High School Championships (Nagoya, JPN)</b> <i>Kota (2018) - 71st high school championships: JAF scientific committee</i>											
date	05-Aug-18	time	5.58	10.83	15.82	21.13	21.13	4 / 1			
reaction time		interval		5.25	4.99	5.31		# of strides	10.83	10.30	0.53
wind	-1.6 m/s	velocity	8.96	9.52	10.02	9.42	9.47		9.23	9.71	

<b>FINAL - 2017 Japanese National High School Championships (Yamagata, JPN)</b> <i>Kota (2017) - 70th high school championships: JAF scientific committee</i>											
date	01-Aug-17	time	5.50	10.74	15.75	21.06	21.06	8 / 2			
reaction time	0.174	interval		5.24	5.01	5.31		# of strides	10.74	10.32	0.42
wind	0.5 m/s	velocity	9.09	9.54	9.98	9.42	9.50		9.31	9.69	

<b>Takahashi, Tetsuya (JPN) (2001)</b> <b>50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential</b>											
<b>FINAL - 2020 Japanese U20 National Championships (Hiroshima, JPN)</b> <i>Takahashi (2020) - 200m race analysis of top japanese sprinters in 2020</i>											
date	25-Oct-20	time	6.09	10.95	15.99	21.33	21.33	7 / 3			
reaction time	0.188	interval		4.86	5.04	5.34		# of strides	10.95	10.38	0.57
wind	1.5 m/s	velocity	8.21	10.29	9.92	9.36	9.38	98.3	9.13	9.63	

<b>Heat 2 - 2020 Japanese U20 National Championships (Hiroshima, JPN)</b> <i>Kobayashi (2002) - national high school and U20 national championships</i>											
date	25-Oct-20	time	6.20	11.06	16.05	21.45	21.45	4 / 2			
reaction time	0.201	interval		4.86	4.99	5.40		# of strides	11.06	10.39	0.67
wind	1.9 m/s	velocity	8.06	10.29	10.02	9.26	9.32	97.6	9.04	9.62	

<b>Takahira, Shinji (JPN) (1984)</b> <b>50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential</b>											
<b>FINAL - 2016 Shizuoka International Athletics Meeting (Fukuroi, JPN)</b> <i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>											
date	03-May-16	time	5.96	10.74	15.69	20.97	20.97	1 / 6			
reaction time		interval		4.78	4.95	5.28		# of strides	10.74	10.23	0.51
wind	1.0 m/s	velocity	8.39	10.46	10.10	9.47	9.54		9.31	9.78	

<b>FINAL - 2015 Japanese National Championships (Niigata, JPN)</b> <i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>											
date	27-Jun-15	time	5.96	10.73	15.69	21.16	21.16	2 / 8			
reaction time	0.175	interval		4.77	4.96	5.47		# of strides	10.73	10.43	0.30
wind	0.8 m/s	velocity	8.39	10.48	10.08	9.14	9.45	86.0	9.32	9.59	

<b>FINAL - 2015 Seiko Golden Grand Prix (Kawasaki, JPN)</b> <i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>											
date	10-May-15	time	5.91	10.71	15.74	21.21	21.21	1 / 8			
reaction time		interval		4.80	5.03	5.47		# of strides	10.71	10.50	0.21
wind	-0.5 m/s	velocity	8.46	10.42	9.94	9.14	9.43	86.5	9.34	9.52	

<b>B FINAL - 2014 Shizuoka International Athletics Meeting (Fukuroi, JPN)</b> <i>Koyama (2014) - research on athlete performance and technique- 2014</i>											
date	03-May-14	time	5.88	10.54	15.25	20.50	20.50	1 / 2			
reaction time		interval		4.66	4.71	5.25		# of strides	10.54	9.96	0.58
wind	0.6 m/s	velocity	8.50	10.73	10.62	9.52	9.76		9.49	10.04	

<b>Semi-Final 3 - 2011 IAAF World Championships (Daegu, KOR)</b> <i>Kyohei (2012) - run performance of 2011 world &amp; Japanese top 200m sprinters</i>											
date	02-Sep-11	time	5.95	10.65	15.55	20.90	20.90	8 / 6			
reaction time	0.201	interval		4.70	4.90	5.35		# of strides	10.65	10.25	0.40
wind	-0.7 m/s	velocity	8.40	10.64	10.20	9.35	9.57	83.7	9.39	9.76	

<b>Heat 4 - 2011 IAAF World Championships (Daegu, KOR)</b> <i>Kyohei (2012) - run performance of 2011 world &amp; Japanese top 200m sprinters</i>											
date	02-Sep-11	time	5.87	10.58	15.50	20.87	20.87	2 / 2			
reaction time	0.178	interval		4.71	4.92	5.37		# of strides	10.58	10.29	0.29
wind	-1.1 m/s	velocity	8.52	10.62	10.16	9.31	9.58	84.0	9.45	9.72	

<b>FINAL - 2011 Japanese National Championships (Kumagaya, JPN)</b> <i>Kyohei (2012) - run performance of 2011 world &amp; Japanese top 200m sprinters</i>											
date	11-Jun-11	time	5.85	10.54	15.37	20.49	20.49	1 / 1			
reaction time		interval		4.69	4.83	5.12		# of strides	10.54	9.95	0.59
wind	0.0 m/s	velocity	8.55	10.66	10.35	9.77	9.76		9.49	10.05	

<b>FINAL - 2011 Shizuoka International Athletics Meeting (Fukuroi, JPN)</b> <i>Kyohei (2012) - run performance of 2011 world &amp; Japanese top 200m sprinters</i>											
date	03-May-11	time	5.95	10.71	15.67	20.93	20.93	1 / 5			
reaction time		interval		4.76	4.96	5.26		# of strides	10.71	10.22	0.49
wind	0.5 m/s	velocity	8.40	10.50	10.08	9.51	9.56		9.34	9.78	

<b>Quarter-Final 2 - 2009 IAAF World Championships (Berlin, GER)</b> <i>Graubner (2009) - biomechanical analyses at the 12th IAAF world championships</i>											
date	18-Aug-09	time	5.91	10.60	15.45	20.69	20.69	7 / 4			
reaction time	0.178	interval		4.69	4.85	5.24		# of strides	10.60	10.09	0.51
wind	-0.2 m/s	velocity	8.46	10.66	10.31	9.54	9.67		9.43	9.91	

**Heat 8 - 2009 IAAF World Championships (Berlin, GER)***Graubner (2009) - biomechanical analyses at the 12th IAAF world championships*

date	18-Aug-09	time	5.85	10.62	15.50	20.86	20.86	8 / 2				
reaction time	0.163	interval		4.77	4.88	5.36		# of strides	10.62	10.24	0.38	
wind	-0.9 m/s	velocity	8.55	10.48	10.25	9.33	9.59		9.42	9.77		

**Quarter-Final 1 - 2007 IAAF World Championships (Osaka, JPN)***Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	28-Aug-07	time	5.93	10.53	15.42	20.77	20.77	4 / 7				
reaction time	0.187	interval		4.60	4.89	5.35		# of strides	10.53	10.24	0.29	
wind	0.3 m/s	velocity	8.43	10.87	10.22	9.35	9.63	84.2	9.50	9.77		

**Takamatsu, Yutaka (JPN) (1997)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2014 Japanese National High School Championships (Kofu, JPN)***Yanagiya (2014) - research on athlete performance and technique- 2014*

date	02-Aug-14	time	5.67	10.99	15.95	21.38	21.38	5 / 4				
reaction time		interval		5.32	4.96	5.43		# of strides	10.99	10.39	0.60	
wind	-1.6 m/s	velocity	8.82	9.40	10.08	9.21	9.35		9.10	9.62		

**Takase, Kei (JPN) (1988)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2017 Japanese National Championships (Osaka, JPN)***Takahashi (2017) - 200m running performance analysis in the 2017 season*

date	25-Jun-17	time	5.89	10.51	15.49	20.99	20.99	9 / 8				
reaction time	0.184	interval		4.62	4.98	5.50		# of strides	10.51	10.48	0.03	
wind	0.3 m/s	velocity	8.49	10.82	10.04	9.09	9.53	91.5	9.51	9.54		

**FINAL - 2017 Shizuoka International Meeting (Fukuroi, JPN)***Takahashi (2017) - 200m running performance analysis in the 2017 season*

date	03-May-17	time	6.03	10.84		23.02	23.02	8 / 7				
reaction time		interval		4.81		12.18		# of strides	10.84	12.18	-1.34	
wind	0.2 m/s	velocity	8.29	10.40		8.21	8.69		9.23	8.21		

**Heat 9 - 2016 Olympic Games (Rio de Janeiro, BRA)***Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

date	16-Aug-16	time	5.84	10.48	15.35	20.71	20.71	2 / 6				
reaction time		interval		4.64	4.87	5.36		# of strides	10.48	10.23	0.25	
wind	0.6 m/s	velocity	8.56	10.78	10.27	9.33	9.66		9.54	9.78		

**FINAL - 2016 Japanese National Championships (Nagoya, JPN)***Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

date	26-Jun-16	time	5.89	10.50	15.24	20.31	20.31	7 / 2				
reaction time	0.176	interval		4.61	4.74	5.07		# of strides	10.50	9.81	0.69	
wind	1.8 m/s	velocity	8.49	10.85	10.55	9.86	9.85	90.5	9.52	10.19		

**Semi-Final 3 - 2015 IAAF World Championships (Beijing, CHN)***Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date	26-Aug-15	time	5.88	10.53	15.36	20.64	20.64	2 / 8				
reaction time	0.201	interval		4.65	4.83	5.28		# of strides	10.53	10.11	0.42	
wind	0.8 m/s	velocity	8.50	10.75	10.35	9.47	9.69	91.2	9.50	9.89		

**Heat 2 - 2015 IAAF World Championships (Beijing, CHN)***Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date	25-Aug-15	time	5.78	10.35	15.15	20.33	20.33	6 / 4				
reaction time	0.174	interval		4.57	4.80	5.18		# of strides	10.35	9.98	0.37	
wind	-0.2 m/s	velocity	8.65	10.94	10.42	9.65	9.84	91.0	9.66	10.02		

**FINAL - 2015 Japanese National Championships (Niigata, JPN)***Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015*

date	27-Jun-15	time	5.84	10.48	15.36	20.57	20.57	6 / 3				
reaction time	0.150	interval		4.64	4.88	5.21		# of strides	10.48	10.09	0.39	
wind	0.8 m/s	velocity	8.56	10.78	10.25	9.60	9.72	91.0	9.54	9.91		

**FINAL - 2014 Shizuoka International Athletics Meeting (Fukuroi, JPN)***Koyama (2014) - research on athlete performance and technique- 2014*

date	03-May-14	time	5.93	10.56	15.30	20.45	20.45	/ 2				
reaction time		interval		4.63	4.74	5.15		# of strides	10.56	9.89	0.67	
wind	0.8 m/s	velocity	8.43	10.80	10.55	9.71	9.78		9.47	10.11		

**FINAL - 2011 Japanese National Championships (Kumagaya, JPN)***Kyohei (2012) - run performance of 2011 world & Japanese top 200m sprinters*

date	11-Jun-11	time	5.83	10.45	15.37	20.76	20.76	/ 5				
reaction time		interval		4.62	4.92	5.39		# of strides	10.45	10.31	0.14	
wind	0.0 m/s	velocity	8.58	10.82	10.16	9.28	9.63		9.57	9.70		

**Takasu, Fuuto (JPN) (2004)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2022 Japanese National High School Championships (Naruto, JPN)***Shima (2022) - national high school championships biomechanics data collection*

date	06-Aug-22	time	6.49	10.85	15.90	21.48	21.48	7 / 2				
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reaction time	0.145	interval	4.36	5.05	5.58		# of strides	10.85	10.63	0.22
wind	-2.3 m/s	velocity	7.70	11.47	9.90	8.96	9.31	90.0	9.22	9.41

**Takeshita, Yuki (JPN) (1992)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL** - 2010 Japanese National High School Championships (Okinawa, JPN)    *Matsuo (2010) - 63rd high school championships: JAF scientific committee*  
date      01-Aug-10    time      6.13    11.04    16.05    21.38    21.38      / 2  
reaction time      interval      4.91    5.01    5.33      # of strides      11.04    10.34    0.70  
wind      0.5 m/s    velocity    8.16    10.18    9.98    9.38    9.35      9.06    9.67

**Takordmioui, Mehdi (MAR) (1995)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL** - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)    *Omega Timing (2022) - diamond league race analysis*  
date      05-Jun-22    time      6.13    10.98    16.11    21.57    21.57      1 / 8  
reaction time      interval      4.85    5.13    5.46      # of strides      10.98    10.59    0.39  
wind      2.0 m/s    velocity    8.16    10.31    9.75    9.16    9.27      9.11    9.44

**Talbot, Daniel (GBR) (1991)**      **50m**    **100m**    **150m**      **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**Semi-Final 3** - 2017 IAAF World Championships (London, GBR)    *Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m*  
date      09-Aug-17    time      10.26    15.03    20.22    20.38    20.38      7 / 5  
reaction time      interval      4.77    5.19      # of strides      10.26    9.96    0.30  
wind      0.3 m/s    velocity    9.75    10.48    9.63    9.81    9.81      93.2    9.75    10.04

**Talio, Terrence (PNG) (1994)**      **50m**    **100m**    **150m**      **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**Heat 1** - 2022 World Athletics Championships (Eugene, OR)    *Timing by Seiko (2022) - world athletics championships race analysis*  
date      18-Jul-22    time      11.14      21.76    21.76      3 / ~~4~~  
reaction time      interval      10.62    **DQ**      # of strides      11.14    10.62    0.52  
wind      1.0 m/s    velocity    8.98      9.42    9.19      90.2    8.98    9.42

**Tamura, Tomoya (JPN) (1992)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL** - 2019 Japanese National Championships (Fukuoka, JPN)    *Yamanaka (2019) - research on athlete performance and technique- 2019 data book*  
date      30-Jun-19    time      5.98    10.69    15.65    21.06    21.06      8 / 6  
reaction time      interval      4.71    4.96    5.41      # of strides      10.69    10.37    0.32  
wind      -1.3 m/s    velocity    8.36    10.62    10.08    9.24    9.50      94.2    9.35    9.64

**FINAL** - 2010 Japanese National High School Championships (Okinawa, JPN)    *Matsuo (2010) - 63rd high school championships: JAF scientific committee*  
date      01-Aug-10    time      6.29    11.23    16.21    21.44    21.44      / 3  
reaction time      interval      4.94    4.98    5.23      # of strides      11.23    10.21    1.02  
wind      0.5 m/s    velocity    7.95    10.12    10.04    9.56    9.33      8.90    9.79

**Tanaka, Syota (JPN) (2003)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL** - 2021 Japanese High School National Championships (Fukui, JPN)    *Shibayama (2021) - national high school and U20 national championships*  
date      31-Jul-21    time      5.58    10.84    15.69    20.84    20.84      4 / 1  
reaction time      interval      5.26    4.85    5.15      # of strides      10.84    10.00    0.84  
wind      3.1 m/s    velocity    8.96    9.51    10.31    9.71    9.60      9.23    10.00

**Tanaka, Yusuke (JPN) (1998)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL** - 2017 Japanese National Championships (Osaka, JPN)    *Takahashi (2017) - 200m running performance analysis in the 2017 season*  
date      25-Jun-17    time      5.88    10.59    15.49    20.90    20.90      3 / 7  
reaction time      interval      4.71    4.90    5.41      # of strides      10.59    10.31    0.28  
wind      0.3 m/s    velocity    8.50    10.62    10.20    9.24    9.57      92.7    9.44    9.70

**Tang Xingqiang (CHN) (1995)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL** - 2017 National Games (Tianjin, CHN)    *Jiang (2017.09.05) - https://twitter.com/pjvazell*  
date      05-Sep-17    time      10.51      20.91    20.91      / 5  
reaction time      interval      10.40      # of strides      10.51    10.40    0.11  
wind      -0.2 m/s    velocity    9.51      9.62    9.56      9.51    9.62

**Taniguchi, Kotara (JPN) (1994)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL** - 2017 Shizuoka International Meeting (Fukuroi, JPN)    *Takahashi (2017) - 200m running performance analysis in the 2017 season*  
date      03-May-17    time      6.04    10.78    15.73    20.99    20.99      9 / 3  
reaction time      interval      4.74    4.95    5.26      # of strides      10.78    10.21    0.57  
wind      0.2 m/s    velocity    8.28    10.55    10.10    9.51    9.53      90.0    9.28    9.79

**FINAL** - 2016 Japanese National Championships (Nagoya, JPN)    *Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad*  
date      26-Jun-16    time      5.98    10.79    15.67    20.81    20.81      1 / 7  
reaction time      interval      4.81    4.88    5.14      # of strides      10.79    10.02    0.77  
wind      1.8 m/s    velocity    8.36    10.40    10.25    9.73    9.61      91.0    9.27    9.98

<b>FINAL - 2016 Seiko Golden Grand Prix (Kawasaki, JPN)</b>				<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>							
date	08-May-16	time	5.88	10.67	15.70	21.16	21.16	2 / 8			
reaction time	0.130	interval		4.79	5.03	5.46		# of strides	10.67	10.49	0.18
wind	-0.6 m/s	velocity	8.50	10.44	9.94	9.16	9.45	90.7	9.37	9.53	

<b>FINAL - 2015 Japanese National Championships (Niigata, JPN)</b>				<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>							
date	27-Jun-15	time	6.02	10.77	15.68	20.89	20.89	1 / 6			
reaction time	0.167	interval		4.75	4.91	5.21		# of strides	10.77	10.12	0.65
wind	0.8 m/s	velocity	8.31	10.53	10.18	9.60	9.57	91.0	9.29	9.88	

<b>FINAL - 2015 Mikio Oda Memorial (Hiroshima, JPN)</b>				<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>							
date	18-Apr-15	time	6.06	10.89	15.78	20.93	20.93	7 / 4			
reaction time		interval		4.83	4.89	5.15		# of strides	10.89	10.04	0.85
wind	1.5 m/s	velocity	8.25	10.35	10.22	9.71	9.56	91.5	9.18	9.96	

<b>FINAL - 2012 Japanese National High School Championships (Niigata, JPN)</b>				<i>Yasunori (2012) - 65th high school championships: JAF scientific committee</i>							
date	01-Aug-12	time	5.96	10.77	15.74	21.10	21.10	7 / 3			
reaction time		interval		4.81	4.97	5.36		# of strides	10.77	10.33	0.44
wind	-0.5 m/s	velocity	8.39	10.40	10.06	9.33	9.48	9.29	9.68		

<b>Tärnhuvud, Stefan (SWE) (1985)</b>				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>B FINAL - 2013 Windsprint (Sundsvall, SWE)</b>												
date	28-Jul-13	time		10.99	15.96	21.32	21.32	5 / 4				
reaction time		interval			4.97	5.36		# of strides	10.99	10.33	0.66	
wind	3.1 m/s	velocity		9.10	10.06	9.33	9.38		9.10	9.68		

<b>Tateno, Shunki (JPN) (2003)</b>				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2021 Japanese High School National Championships (Fukui, JPN)</b>												
date	31-Jul-21	time	5.62	10.95	15.87	21.01	21.01	1 / 8				
reaction time	0.184	interval		5.33	4.92	5.14		# of strides	10.95	10.06	0.89	
wind	3.1 m/s	velocity	8.90	9.38	10.16	9.73	9.52		9.13	9.94		

<b>FINAL - 2021 Japanese U20 National Championships (Osaka, JPN)</b>				<i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>								
date	27-Jun-21	time	6.01	10.80	15.83	21.18	21.18	6 / 2				
reaction time	0.184	interval		4.79	5.03	5.35	<b>PB</b>	# of strides	10.80	10.38	0.42	
wind	-0.3 m/s	velocity	8.32	10.44	9.94	9.35	9.44	89.0	9.26	9.63		

<b>Tebogo, Letsile (BOT) (2003)</b>				<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2024 Memorial van damme (Brussels, BEL)</b>												
date	14-Sep-24	time	5.79	10.30	14.87	19.80	19.80	7 / 2				
reaction time	0.162	interval		4.51	4.57	4.93		# of strides	10.30	9.50	0.80	
wind	0.7 m/s	velocity	8.64	11.09	10.94	10.14	10.10	84.0	9.71	10.53		

<b>FINAL - 2024 Weltklasse (Zürich, SUI)</b>				<i>Omega Timing (2024) - diamond league race analysis</i>								
date	05-Sep-24	time	5.83	10.30	14.84	19.55	19.55	6 / 1				
reaction time	0.148	interval		4.47	4.54	4.71		# of strides	10.30	9.25	1.05	
wind	0.4 m/s	velocity	8.58	11.19	11.01	10.62	10.23	81.5	9.71	10.81		

<b>FINAL - 2024 Kamila Skolimowska Memorial (Silesia, POL)</b>				<i>Omega Timing (2024) - diamond league race analysis</i>								
date	25-Aug-24	time	5.96	10.48	15.04	19.83	19.83	7 / 1				
reaction time	0.187	interval		4.52	4.56	4.79		# of strides	10.48	9.35	1.13	
wind	0.6 m/s	velocity	8.39	11.06	10.96	10.44	10.09	83.5	9.54	10.70		

<b>FINAL - 2024 Athletissima (Lausanne, SUI)</b>				<i>Omega Timing (2024) - diamond league race analysis</i>								
date	22-Aug-24	time	5.77	10.27	14.83	19.64	19.64	6 / 1				
reaction time	0.148	interval		4.50	4.56	4.81		# of strides	10.27	9.37	0.90	
wind	0.9 m/s	velocity	8.67	11.11	10.96	10.40	10.18	83.0	9.74	10.67		

<b>FINAL - 2024 Olympic Games (Paris, FRA)</b>				<i>Paris 2024 Olympic Games - Results Book (2024)</i>								
date	08-Aug-24	time	5.70	10.12	14.65	19.46	19.46	7 / 1				
reaction time	0.162	interval		4.42	4.53	4.81	<b>AR</b>	# of strides	10.12	9.34	0.78	
wind	0.4 m/s	velocity	8.77	11.31	11.04	10.40	10.28	83.5	9.88	10.71		

<b>Semi-Final 2 - 2024 Olympic Games (Paris, FRA)</b>				<i>Paris 2024 Olympic Games - Results Book (2024)</i>								
date	07-Aug-24	time	5.84	10.38	15.03	19.96	19.96	8 / 1				

reaction time	0.160	interval	4.54	4.65	4.93		# of strides	10.38	9.58	0.80
wind	-0.2 m/s	velocity	8.56	11.01	10.75	10.14	10.02	83.0	9.63	10.44

**Heat 3 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympic Games - Results Book (2024)*

date	05-Aug-24	time	5.85	10.42	15.06	20.10	20.10	3 / 1			
reaction time	0.167	interval	4.57	4.64	5.04			# of strides	10.42	9.68	0.74
wind	-0.1 m/s	velocity	8.55	10.94	10.78	9.92	9.95	82.5	9.60	10.33	

**FINAL - 2024 Herculis Meeting International d'Athlétisme (Monaco, MON)***Omega Timing (2024) - diamond league race analysis*

date	12-Jul-24	time	5.90	10.37	14.96	19.87	19.87	6 / 1			
reaction time	0.178	interval	4.47	4.59	4.91			# of strides	10.37	9.50	0.87
wind	0.6 m/s	velocity	8.47	11.19	10.89	10.18	10.07	83.7	9.64	10.53	

**FINAL - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	25-Aug-23	time	10.32		19.81	19.81	9 / 3				
reaction time	0.141	interval			9.49			# of strides	10.32	9.49	0.83
wind	-0.2 m/s	velocity	9.69		10.54	10.10		82.7	9.69	10.54	

**Semi-Final 2 - 2023 World Athletics Championships (Budapest, HUN) Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC**

date	24-Aug-23	time	5.83	10.35	15.01	19.97	19.97	6 / 2			
reaction time	0.174	interval	4.52	4.66	4.96			# of strides	10.35	9.62	0.73
wind	0.0 m/s	velocity	8.58	11.06	10.73	10.08	10.02	182.0	9.66	10.40	

**Heat 3 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time	10.60		20.22	20.22	7 / 1				
reaction time	0.168	interval			9.62			# of strides	10.60	9.62	0.98
wind	-1.4 m/s	velocity	9.43		10.40	9.89		81.2	9.43	10.40	

**FINAL - 2023 London Athletics Meet (London, GBR)***Omega Timing (2023) - diamond league race analysis*

date	23-Jul-23	time	5.77	10.23	14.77	19.50	19.50	8 / 2			
reaction time	0.170	interval	4.46	4.54	4.73	AR PB		# of strides	10.23	9.27	0.96
wind	1.6 m/s	velocity	8.67	11.21	11.01	10.57	10.26	81.5	9.78	10.79	

**FINAL - 2023 Athletissima (Lausanne, SUI)***Omega Timing (2023) - diamond league race analysis*

date	30-Jun-23	time	5.75	10.36	15.03	20.01	20.01	7 / 1			
reaction time	0.172	interval	4.61	4.67	4.98			# of strides	10.36	9.65	0.71
wind	-1.4 m/s	velocity	8.70	10.85	10.71	10.04	10.00	85.0	9.65	10.36	

**Teplykh, Ivan (RUS) (1985)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Quarter-Final 4 - 2007 IAAF World Championships (Osaka, JPN)***Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs*

date	28-Aug-07	time	6.00	10.73	15.68	20.98	20.98	3 / 6			
reaction time	0.164	interval	4.73	4.95	5.30			# of strides	10.73	10.25	0.48
wind	0.6 m/s	velocity	8.33	10.57	10.10	9.43	9.53	83.7	9.32	9.76	

**Thomas, Chris (USA) (1981)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**B FINAL - 2007 Windsprint (Sundsvall, SWE)***(2007) - www.ssg.se/en/Windsprint/Split-times/*

date	24-Jul-07	time	11.24	16.32	22.17	22.17	4 / 3				
reaction time		interval		5.08	5.85			# of strides	11.24	10.93	0.31
wind	0.9 m/s	velocity	8.90	9.84	8.55	9.02			8.90	9.15	

**Thomas, Max (USA) (2004)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Semi-Final 3 - 2024 USA Olympic Trials (Eugene, OR)***USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date	28-Jun-24	time	5.93	10.74	15.62	20.81	20.81	5 / 8			
reaction time		interval	4.81	4.88	5.19			# of strides	10.74	10.07	0.67
wind	2.5 m/s	velocity	8.43	10.40	10.25	9.63	9.61	89.5	9.31	9.93	

**Heat 3 - 2024 USA Olympic Trials (Eugene, OR)***USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date	27-Jun-24	time	5.96	10.78	15.57	20.73	20.73	9 / 4 3			
reaction time		interval	4.82	4.79	5.16			# of strides	10.78	9.95	0.83
wind	1.1 m/s	velocity	8.39	10.37	10.44	9.69	9.65	89.5	9.28	10.05	

**Thompson, Derrick (USA) (1973)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Heat 3 - 1996 USA Olympic Trials (Atlanta, GA)***Hymans (2020) - history of the US olympic trials - track and field*

date	21-Jun-96	time	10.53		21.06	21.06	1 / 5				
reaction time		interval			10.53			# of strides	10.53	10.53	0.00
wind	0.9 m/s	velocity	9.50		9.50	9.50			9.50	9.50	

		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential	
<b>Thompson, Obadele (BAR) (1976)</b>											
<b>FINAL</b> - 1999 IAAF World Championships (Sevilla, ESP)		<i>Ferro (2001) - biomechanical analysis of the 7th world championships, seville 1999</i>									
date	27-Aug-99	time	5.82	10.31	15.07	20.11	20.23	7 / 4			
reaction time	0.134	interval		4.49	4.76	5.04		# of strides	10.31	9.80	0.51
wind	1.2 m/s	velocity	8.59	11.14	10.50	9.92	9.89		9.70	10.20	
<b>FINAL</b> - 1997 IAAF World Championships (Athens, GRE)		<i>Ritzdorf (1997) - biomechanical research project at VIth world championships athletics</i>									
date	08-Aug-97	time	5.75	10.31	15.11	20.19	20.37	2 / 6			
reaction time	0.184	interval		4.56	4.80	5.08		# of strides	10.31	9.88	0.43
wind	2.3 m/s	velocity	8.70	10.96	10.42	9.84	9.82	84.8	9.70	10.12	
<b>FINAL</b> - 1996 Olympic Games (Atlanta, GA)		<i>Veney - split times from PJ</i>									
date	01-Aug-96	time		10.34		20.14	20.14	8 / 4			
reaction time	0.202	interval				9.80	<b>PB</b>	# of strides	10.34	9.80	0.54
wind	0.4 m/s	velocity		9.67		10.20	9.93	86.2	9.67	10.20	
<b>Tilli, Stefano (ITA) (1962)</b>											
<b>FINAL</b> - 1991 European Cup (Frankfurt, GER)		<i>Federle (2003) - http://www.fgs.uni-halle.de</i>									
date	30-Jun-91	time		10.69		20.79	20.79	1 / 3			
reaction time		interval				10.10		# of strides	10.69	10.10	0.59
wind	-1.6 m/s	velocity		9.35		9.90	9.62		9.35	9.90	
<b>FINAL</b> - 1989 IAAF World Cup (Barcelona, ESP)		<i>Pascua (1990) - atletismo (I) carreras y marcha</i>									
date	10-Sep-89	time	10.54	15.35	20.41	20.41		1 / 4			
reaction time	0.157	interval		4.81	5.06			# of strides	10.54	9.87	0.67
wind	1.9 m/s	velocity		9.49	10.40	9.88	9.80		9.49	10.13	
<b>Semi-Final 1</b> - 1988 Olympic Games (Seoul, KOR)		<i>Brüggemann (1990) - scientific research project at the games of the XXXIV Olympiad, Seoul 1988</i>									
date	28-Sep-88	time	5.86	10.55	15.43	20.59	20.59	2 / 5			
reaction time	0.185	interval		4.69	4.88	5.16		# of strides	10.55	10.04	0.51
wind	1.5 m/s	velocity	8.53	10.66	10.25	9.69	9.71		9.48	9.96	
<b>Tippett, Tyson (USA) (2003)</b>											
<b>Heat 4</b> - 2024 USA Olympic Trials (Eugene, OR)		<i>USATF and Karmarush (2024) - USA Olympic trials results and race analysis</i>									
date	27-Jun-24	time	6.11	10.90	15.87	20.97	20.97	8 / 7			
reaction time		interval		4.79	4.97	5.10		# of strides	10.90	10.07	0.83
wind	1.2 m/s	velocity	8.18	10.44	10.06	9.80	9.54	89.5	9.17	9.93	
<b>Tokunaga, Daichi (JPN) (1991)</b>											
<b>FINAL</b> - 2009 Japanese National High School Championships (Nara, JPN)		<i>Matsuo (2009) - 62nd high school championships: JAF scientific committee</i>									
date	01-Aug-09	time		11.17	16.29	21.67	21.67	1 / 8			
reaction time		interval			5.12	5.38		# of strides	11.17	10.50	0.67
wind	1.6 m/s	velocity		8.95	9.77	9.29	9.23		8.95	9.52	
<b>Tolbert, Rod (USA) (1967)</b>											
<b>Quarter-Final 3</b> - 1996 USA Olympic Trials (Atlanta, GA)		<i>Hymans (2020) - history of the US olympic trials - track and field</i>									
date	22-Jun-96	time		10.57		20.80	20.80	1 / 7			
reaction time		interval				10.23		# of strides	10.57	10.23	0.34
wind	0.7 m/s	velocity		9.46		9.78	9.62		9.46	9.78	
<b>Heat 4</b> - 1996 USA Olympic Trials (Atlanta, GA)		<i>Hymans (2020) - history of the US olympic trials - track and field</i>									
date	21-Jun-96	time		10.58		20.71	20.71	1 / 7			
reaction time		interval				10.13		# of strides	10.58	10.13	0.45
wind	0.9 m/s	velocity		9.45		9.87	9.66		9.45	9.87	
<b>Tomizawa, Ryosuke (JPN) (2001)</b>											
<b>FINAL</b> - 2018 Japanese National Youth (U18) Championships (Nagano, JPN)		<i>Ryutaro (2018) - research on athlete performance and technique</i>									
date	21-Oct-18	time	6.43	11.41	16.52	21.94	21.94	1 / 8			
reaction time	0.264	interval		4.98	5.11	5.42		# of strides	11.41	10.53	0.88
wind	0.1 m/s	velocity	7.78	10.04	9.78	9.23	9.12	95.0	8.76	9.50	
<b>Tømmervik, Sindre (NOR) (1997)</b>											
<b>H FINAL</b> - 2014 Windsprint (Sundsvall, SWE)		<i>Johansen (2014) - www.ssg.se/windsprint/Splittider/</i>									
date	20-Jul-14	time	12.87			24.93	24.93	5 / 2			
reaction time		interval				12.06		# of strides	12.87	12.06	0.81
wind	2.5 m/s	velocity		7.77		8.29	8.02		7.77	8.29	

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation



<b>Torrieri, Marco (ITA) (1978)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL - 2002 European Championships (Munich, GER)</b> <i>Graubner (2009) - http://www.fgs.uni-halle.de</i>											
date	09-Aug-02	time	5.95	10.70	15.50	20.68	20.66	/ 6			
reaction time	0.148	interval		4.75	4.80	5.18		# of strides	10.70	9.98	0.72
wind	-0.5 m/s	velocity	8.40	10.53	10.42	9.65	9.68		9.35	10.02	
<b>Semi-Final 1 - 2002 European Championships (Munich, GER)</b> <i>Graubner (2009) - http://www.fgs.uni-halle.de</i>											
date	09-Aug-02	time	6.00	10.75	15.59	20.78	20.78	/ 4			
reaction time	0.184	interval		4.75	4.84	5.19		# of strides	10.75	10.03	0.72
wind	-0.5 m/s	velocity	8.33	10.53	10.33	9.63	9.62		9.30	9.97	
<b>Quarter-Final 1 - 2002 European Championships (Munich, GER)</b> <i>Graubner (2009) - http://www.fgs.uni-halle.de</i>											
date	08-Aug-02	time	5.97	10.68	15.61	20.90	20.90	/ 3-2			
reaction time	0.142	interval		4.71	4.93	5.29		# of strides	10.68	10.22	0.46
wind	-1.8 m/s	velocity	8.38	10.62	10.14	9.45	9.57		9.36	9.78	
<b>Tortu, Filippo (ITA) (1998)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>Semi-Final 3 - 2024 Olympic Games (Paris, FRA)</b> <i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	07-Aug-24	time	5.95	10.56	15.38	20.54	20.54	5 / 4			
reaction time	0.176	interval		4.61	4.82	5.16		# of strides	10.56	9.98	0.58
wind	-0.6 m/s	velocity	8.40	10.85	10.37	9.69	9.74	86.0	9.47	10.02	
<b>Heat 3 - 2024 Olympic Games (Paris, FRA)</b> <i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	05-Aug-24	time	5.93	10.52	15.26	20.29	20.29	8 / 3			
reaction time	0.170	interval		4.59	4.74	5.03		# of strides	10.52	9.77	0.75
wind	-0.1 m/s	velocity	8.43	10.89	10.55	9.94	9.86	86.0	9.51	10.24	
<b>FINAL - 2024 Herculis Meeting International d'Athlétisme (Monaco, MON)</b> <i>Omega Timing (2024) - diamond league race analysis</i>											
date	12-Jul-24	time	5.94	10.53	15.31	20.43	20.43	5 / 5			
reaction time	0.199	interval		4.59	4.78	5.12		# of strides	10.53	9.90	0.63
wind	0.6 m/s	velocity	8.42	10.89	10.46	9.77	9.79	86.5	9.50	10.10	
<b>FINAL - 2024 Meeting de Paris (Paris, FRA)</b> <i>Omega Timing (2024) - diamond league race analysis</i>											
date	07-Jul-24	time	5.91	10.52	15.37	20.53	20.53	4 / 4			
reaction time	0.164	interval		4.61	4.85	5.16		# of strides	10.52	10.01	0.51
wind	-0.4 m/s	velocity	8.46	10.85	10.31	9.69	9.74	87.5	9.51	9.99	
<b>FINAL - 2023 Memorial van Damme (Brussels, BEL)</b> <i>Omega Timing (2023) - diamond league race analysis</i>											
date	08-Sep-23	time	5.88	10.44	15.20	20.30	20.30	8 / 6			
reaction time	0.182	interval		4.56	4.76	5.10		# of strides	10.44	9.86	0.58
wind	-0.1 m/s	velocity	8.50	10.96	10.50	9.80	9.85	86.5	9.58	10.14	
<b>Heat 6 - 2023 World Athletics Championships (Budapest, HUN)</b> <i>Seiko Timing (2023) - world championship race analysis</i>											
date	23-Aug-23	time		10.64		20.46	20.46	3 / 4			
reaction time	0.179	interval				9.82		# of strides	10.64	9.82	0.82
wind	-0.5 m/s	velocity		9.40		10.18	9.78	87.0	9.40	10.18	
<b>FINAL - 2023 Golden Gala Pietro Mennea (Firenze, ITA)</b> <i>Omega Timing (2023) - diamond league race analysis</i>											
date	02-Jun-23	time	5.92	10.56	15.36	20.41	20.41	7 / 4			
reaction time	0.159	interval		4.64	4.80	5.05		# of strides	10.56	9.85	0.71
wind	0.0 m/s	velocity	8.45	10.78	10.42	9.90	9.80	87.0	9.47	10.15	
<b>Semi-Final 3 - 2022 World Athletics Championships (Eugene, OR)</b> <i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	19-Jul-22	time		10.45		20.10	20.10	5 / 3			
reaction time	0.146	interval				9.65	<b>PB</b>	# of strides	10.45	9.65	0.80
wind	0.3 m/s	velocity		9.57		10.36	9.95	85.2	9.57	10.36	
<b>Heat 6 - 2022 World Athletics Championships (Eugene, OR)</b> <i>Timing by Seiko (2022) - world athletics championships race analysis</i>											
date	18-Jul-22	time		10.56		20.18	20.18	5 / 1			
reaction time	0.148	interval				9.62		# of strides	10.56	9.62	0.94
wind	1.0 m/s	velocity		9.47		10.40	9.91	84.5	9.47	10.40	
<b>FINAL - 2022 Golden Gala Pietro Mennea (Rome, ITA)</b> <i>Omega Timing (2022) - diamond league race analysis</i>											
date	09-Jun-22	time	5.92	10.58	15.33	20.40	20.40	6 / 3			
reaction time	0.174	interval		4.66	4.75	5.07		# of strides	10.58	9.82	0.76
wind	-0.1 m/s	velocity	8.45	10.73	10.53	9.86	9.80	87.2	9.45	10.18	

**FINAL - 2022 Doha Diamond League (Doha, QAT)***Omega Timing (2022) - diamond league race analysis*

date	13-May-22	time	5.8	10.7	15.4	20.41	20.41	1 / 7			
reaction time	0.139	interval		4.90	4.70	5.01		# of strides	10.70	9.71	0.99
wind	2.1 m/s	velocity	8.62	10.20	10.64	9.98	9.80	87.2	9.35	10.30	

**Semi-Final 1 - 2017 IAAF World Championships (London, GBR)***Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m*

date	09-Aug-17	time		10.40	15.26	20.44	20.62	3 / 6			
reaction time	0.169	interval			4.86	5.18		# of strides	10.40	10.04	0.36
wind	2.1 m/s	velocity		9.62	10.29	9.65	9.70	88.0	9.62	9.96	

**Toyoda, Hayate (JPN) (2001)****50m 100m 150m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2018 Japanese National Youth (U18) Championships (Nagano, JPN)***Ryutaro (2018) - research on athlete performance and technique*

date	21-Oct-18	time	6.16	11.00	16.09	21.43	21.43	3 / 4			
reaction time	0.153	interval		4.84	5.09	5.34		# of strides	11.00	10.43	0.57
wind	0.1 m/s	velocity	8.12	10.33	9.82	9.36	9.33	98.0	9.09	9.59	

**Toyoda, Kaede (JPN)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2018 Japanese National High School Championships (Nagano, JPN)***Yuta (2018) - 71st high school championships: JAF scientific committee - biomechanics*

date	05-Aug-18	time	5.86	11.31	16.41	21.78	21.78	8 / 8			
reaction time		interval		5.45	5.10	5.37		# of strides	11.31	10.47	0.84
wind	-1.6 m/s	velocity	8.53	9.17	9.80	9.31	9.18		8.84	9.55	

**Tracey, Tyquendo (JAM) (1993)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****A FINAL - 2015 Windsprint (Sundsvall, SWE)***(2015) - www.windsprint/Splittider/*

date	26-Jul-15	time		10.74		20.80	20.80	3 / 1			
reaction time		interval				10.06		# of strides	10.74	10.06	0.68
wind	0.4 m/s	velocity		9.31		9.94	9.62		9.31	9.94	

**Traore, Cheickna (CIV) (2000)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Heat 1 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympic Games - Results Book (2024)*

date	05-Aug-24	time	5.88	10.54	15.37	20.54	20.54	2 / 6			
reaction time	0.171	interval		4.66	4.83	5.17		# of strides	10.54	10.00	0.54
wind	0.1 m/s	velocity	8.50	10.73	10.35	9.67	9.74	83.0	9.49	10.00	

**FINAL - 2024 Meeting de Paris (Paris, FRA)***Omega Timing (2024) - diamond league race analysis*

date	07-Jul-24	time	5.86	11.40			dnf	8 / --			
reaction time	0.170	interval		5.54				# of strides	11.40		
wind	-0.4 m/s	velocity	8.53	9.03					8.77		

**Trimble, Jamiel (USA) (1995)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2019 The Match - Europe v USA (Minsk, BLR)***European Athletics (2019) - race analysis*

date	10-Sep-19	time		10.72		20.88	20.88	4 / 4			
reaction time	0.157	interval				10.16		# of strides	10.72	10.16	0.56
wind	-0.1 m/s	velocity		9.33		9.84	9.58	94.7	9.33	9.84	

**Trouabal, Jean-Charles (FRA) (1965)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 1993 IAAF World Championships (Stuttgart, GER)***Veney - split times from PJ*

date	20-Aug-93	time	5.87	10.46	15.15	20.20	20.20	8 / 6			
reaction time		interval		4.59	4.69	5.05	<b>PB</b>	# of strides	10.46	9.74	0.72
wind	0.3 m/s	velocity	8.52	10.89	10.66	9.90	9.90	85.5	9.56	10.27	

**FINAL - 1991 IAAF World Championships (Tokyo, JPN)***Butler (2013) - IAAF world championships statistics handbook- moscow 2013*

date	27-Aug-91	time		10.51		20.58	20.58	7 / 6			
reaction time		interval				10.07		# of strides	10.51	10.07	0.44
wind	-3.4 m/s	velocity		9.51		9.93	9.72	85.2	9.51	9.93	

**FINAL - 1991 European Cup (Frankfurt, GER)***Federle (2003) - http://www.fgs.uni-halle.de*

date	30-Jun-91	time		10.52		20.60	20.60	1 / 1			
reaction time		interval				10.08		# of strides	10.52	10.08	0.44
wind	-1.6 m/s	velocity		9.51		9.92	9.71		9.51	9.92	

**Truskauskas, Gediminas (LTU) (1998)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Heat 1 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time		10.86		20.90	20.90	6 / 7			
reaction time	0.147	interval				10.04		# of strides	10.86	10.04	0.82

wind 0.0 m/s velocity 9.21 9.96 9.57 84.2 9.21 9.96

<b>Tsákonas, Likoúrgos-Stéfanos (GRE)</b>				50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Semi-Final 3</b> - 2017 IAAF World Championships (London, GBR)							<i>Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m</i>				
date	09-Aug-17	time		10.38	15.22	20.57	20.73	9 / 6			
reaction time	0.156	interval			4.84	5.35		# of strides	10.38	10.19	0.19
wind	0.3 m/s	velocity		9.63	10.33	9.35	9.65	88.2	9.63	9.81	

<b>Tsuda, Iban (JPN) (2005)</b>				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2023 Japanese National High School Championships (Sapporo, JPN)							<i>Takashima (2023) - national high school sports festival - biomechanics data</i>					
date	05-Aug-23	time		5.99	10.98	15.94	21.23	21.23	9 / 7			
reaction time	0.220	interval			4.99	4.96	5.29		# of strides	10.98	10.25	0.73
wind	2.9 m/s	velocity		8.35	10.02	10.08	9.45	9.42		9.11	9.76	
<b>FINAL</b> - 2022 Japanese National High School Championships (Naruto, JPN)							<i>Takashima (2022) - national high school championships biomechanics data collection</i>					
date	06-Aug-22	time		6.54	10.87	15.97	21.53	21.53	5 / 4			
reaction time	0.148	interval			4.33	5.10	5.56	<b>PB</b>	# of strides	10.87	10.66	0.21
wind	-2.3 m/s	velocity		7.65	11.55	9.80	8.99	9.29		9.20	9.38	

<b>Tsukamoto, Justin Junpei (JPN) (2005)</b>				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2018 Japanese National High School Championships (Nagoya, JPN)							<i>Kota (2018) - 71st high school championships: JAF scientific committee</i>					
date	05-Aug-18	time		5.55	10.82	15.80	21.15	21.15	5 / 2			
reaction time		interval			5.27	4.98	5.35		# of strides	10.82	10.33	0.49
wind	-1.6 m/s	velocity		9.01	9.49	10.04	9.35	9.46		9.24	9.68	

<b>Tuffour, Emmanuel (GHA) (1966)</b>				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Semi-Final 2</b> - 1993 IAAF World Championships (Stuttgart, GER)							<i>Veney - split times from PJ</i>					
date	19-Aug-93	time		6.02	10.68	15.40	20.44	20.44	8 / 3			
reaction time		interval			4.66	4.72	5.04		# of strides	10.68	9.76	0.92
wind	0.1 m/s	velocity		8.31	10.73	10.59	9.92	9.78		9.36	10.25	

<b>Turner, Andy (GBR) (1980)</b>				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>B FINAL</b> - 2009 Great CityGames (Manchester, GBR) (150m straightaway)							<i>Jalava (2009) - www.tilastopaja.org</i>					
date	17-May-09	time		10.32	15.20		15.20		/ 1			
reaction time		interval				4.88	<b>PB</b>		# of strides	10.32		
wind	1.1 m/s	velocity		9.69	10.25		9.87			9.69		
<b>Heat 1</b> - 2009 Great CityGames (Manchester, GBR) (150m straightaway)							<i>Jalava (2009) - www.tilastopaja.org</i>					
date	17-May-09	time		10.63	15.73		15.73		/ 3			
reaction time		interval				5.10			# of strides	10.63		
wind	-0.8 m/s	velocity		9.41	9.80		9.54			9.41		

<b>Uematsu, Kota (JPN) (2002)</b>				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL</b> - 2023 Japanese National High School Championships (Sapporo, JPN)							<i>Takashima (2023) - national high school sports festival - biomechanics data</i>					
date	05-Aug-23	time		6.06	11.07	15.98	21.12	21.12	3 / 3			
reaction time	0.201	interval			5.01	4.91	5.14		# of strides	11.07	10.05	1.02
wind	2.9 m/s	velocity		8.25	9.98	10.18	9.73	9.47		9.03	9.95	
<b>FINAL</b> - 2021 Japanese U16 National Championships (Matsuyama, JPN) (150m)							<i>Shibayama (2021) - national high school and U20 national championships</i>					
date	23-Oct-21	time		6.08	10.88	15.97		15.97	7 / 1			<b>50-150m</b>
reaction time		interval			4.80	5.09			# of strides	10.88		9.89
wind	-0.9 m/s	velocity		8.22	10.42	9.82		12.52	71.5	9.19		10.11

<b>Ueyama, Koki (JPN) (1999)</b>				50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Repechage 2</b> - 2024 Olympic Games (Paris, FRA)							<i>Paris 2024 Olympic Games - Results Book (2024)</i>					
date	06-Aug-24	time		5.95	10.65	15.58	20.92	20.92	6 / 4			
reaction time	0.153	interval			4.70	4.93	5.34		# of strides	10.65	10.27	0.38
wind	0.6 m/s	velocity		8.40	10.64	10.14	9.36	9.56	90.0	9.39	9.74	

<b>Heat 3</b> - 2024 Olympic Games (Paris, FRA)				<i>Paris 2024 Olympic Games - Results Book (2024)</i>								
date	05-Aug-24	time		5.91	10.55	15.42	20.84	20.84	7 / 6			
reaction time	0.152	interval			4.64	4.87	5.42		# of strides	10.55	10.29	0.26
wind	-0.1 m/s	velocity		8.46	10.78	10.27	9.23	9.60	90.0	9.48	9.72	

<b>Heat 4</b> - 2023 World Athletics Championships (Budapest, HUN)				<i>Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC</i>								
date	23-Aug-23	time		5.91	10.59	15.42	20.66	20.66	5 / 4			
reaction time	0.147	interval			4.68	4.83	5.24		# of strides	10.59	10.07	0.52

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

wind	-0.2 m/s	velocity	8.46	10.68	10.35	9.54	9.68	90.0	9.44	9.93	
<b>FINAL - 2023 Japanese National Championships (Osaka, JPN)</b>			<i>Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC</i>								
date	02-Jun-23	time	5.91	10.58	15.52	20.94	20.94	2 / 7			
reaction time	0.159	interval		4.67	4.94	5.42		# of strides	10.58	10.36	0.22
wind	-0.2 m/s	velocity	8.46	10.71	10.12	9.23	9.55	92.0	9.45	9.65	

<b>Semi-Final 3 - 2022 World Athletics Championships (Eugene, OR)</b>			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	19-Jul-22	time		10.46		20.48	20.48	6 / 6			
reaction time	0.129	interval				10.02		# of strides	10.46	10.02	0.44
wind	0.3 m/s	velocity		9.56		9.98	9.77	90.0	9.56	9.98	

<b>Heat 1 - 2022 World Athletics Championships (Eugene, OR)</b>			<i>Timing by Seiko (2022) - world athletics championships race analysis</i>								
date	18-Jul-22	time		10.49		20.26	20.26	7 / 2			
reaction time	0.127	interval				9.77	<b>PB</b>	# of strides	10.49	9.77	0.72
wind	1.0 m/s	velocity		9.53		10.24	9.87	90.0	9.53	10.24	

<b>FINAL - 2020 Athlete Night Games (Fukui, JPN)</b>			<i>Takahashi (2020) - 200m race analysis of top japanese sprinters in 2020</i>								
date	29-Aug-20	time	5.91	10.63	15.47	20.72	20.72	5 / 2			
reaction time		interval		4.72	4.84	5.25	<b>PB</b>	# of strides	10.63	10.09	0.54
wind	0.8 m/s	velocity	8.46	10.59	10.33	9.52	9.65	89.0	9.41	9.91	

<b>FINAL - 2018 Japanese National Junior (U20) Championships (Nagano, JPN)</b>			<i>Ryutaro (2018) - research on athlete performance and technique</i>								
date	21-Oct-18	time	6.08	10.87	15.86	21.25	21.25	8 / 5			
reaction time	0.152	interval		4.79	4.99	5.39		# of strides	10.87	10.38	0.49
wind	0.5 m/s	velocity	8.22	10.44	10.02	9.28	9.41	90.7	9.20	9.63	

<b>Semi-Final 3 - 2018 IAAF World Junior Championships (Tampere, FIN)</b>			<i>Koyama (2018) - research on athlete performance and technique- 2018 data book</i>								
date	12-Jul-18	time	6.02	10.81	15.84	21.24	21.24	3 / 4			
reaction time	0.153	interval		4.79	5.03	5.40		# of strides	10.81	10.43	0.38
wind	-0.3 m/s	velocity	8.31	10.44	9.94	9.26	9.42		9.25	9.59	

<b>Heat 1 - 2018 IAAF World Junior Championships (Tampere, FIN)</b>			<i>Koyama (2018) - research on athlete performance and technique- 2018 data book</i>								
date	12-Jul-18	time	6.02	10.75	15.70	21.04	21.04	6 / 2			
reaction time	0.155	interval		4.73	4.95	5.34		# of strides	10.75	10.29	0.46
wind	-0.9 m/s	velocity	8.31	10.57	10.10	9.36	9.51		9.30	9.72	

<b>Unger, Tobias (GER) (1979)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2005 German Championships (Wattenscheid, GER)</b>			<i>Graubner (2008) - <a href="http://www.fgs.uni-halle.de">http://www.fgs.uni-halle.de</a></i>								
date	03-Jul-05	time	5.79	10.41	15.17	20.20	20.20	1 / 1			
reaction time	0.164	interval		4.62	4.76	5.03	<b>NR</b>	# of strides	10.41	9.79	0.62
wind	0.7 m/s	velocity	8.64	10.82	10.50	9.94	9.90		9.61	10.21	

<b>FINAL - 2004 Olympic Games (Athens, GRE)</b>			<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>								
date	26-Aug-04	time		10.5		20.6	20.64	1 / 7			
reaction time	0.153	interval				10.10		# of strides	10.50	10.10	0.40
wind	1.2 m/s	velocity		9.52		9.90	9.69		9.52	9.90	

<b>Uno, Daichi (JPN) (2000)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2017 Japanese National High School Championships (Yamagata, JPN)</b>			<i>Kota (2017) - 70th high school championships: JAF scientific committee</i>								
date	01-Aug-17	time	5.62	10.91	15.94	21.36	21.36	9 / 5			
reaction time	0.156	interval		5.29	5.03	5.42		# of strides	10.91	10.45	0.46
wind	0.5 m/s	velocity	8.90	9.45	9.94	9.23	9.36		9.17	9.57	

<b>Uno, Katsusho (JPN) (2001)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)</b>			<i>Kota (2019) - 72nd high school championships: JAF scientific committee</i>								
date	07-Aug-19	time	6.10	10.89	15.89	21.22	21.22	1 / 6			
reaction time		interval		4.79	5.00	5.33		# of strides	10.89	10.33	0.56
wind	2.1 m/s	velocity	8.20	10.44	10.00	9.38	9.43		9.18	9.68	

<b>Uno, Shoto (JPN) (2001)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL - 2023 Japanese National Championships (Osaka, JPN)</b>			<i>Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC</i>								
date	02-Jun-23	time	5.87	10.55	15.38	20.55	20.55	7 / 2			
reaction time	0.168	interval		4.68	4.83	5.17		# of strides	10.55	10.00	0.55
wind	-0.2 m/s	velocity	8.52	10.68	10.35	9.67	9.73	93.2	9.48	10.00	

<b>Urbaś, Marcin (POL) (1976)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
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WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

**FINAL - 2002 European Championships (Munich, GER)**Graubner (2009) - <http://www.fgs.uni-halle.de>

date	09-Aug-02	time	5.98	10.80	dnf	/ --		
reaction time	0.127	interval		4.82		# of strides	10.80	
wind	-0.5 m/s	velocity	8.36	10.37			9.26	

**Semi-Final 2 - 2002 European Championships (Munich, GER)**Graubner (2009) - <http://www.fgs.uni-halle.de>

date	09-Aug-02	time	5.87	10.58	15.44	20.60	20.60	/ 3		
reaction time	0.137	interval		4.71	4.86	5.16		# of strides	10.58	10.02
wind	0.2 m/s	velocity	8.52	10.62	10.29	9.69	9.71		9.45	9.98

**Quarter-Final 1 - 2002 European Championships (Munich, GER)**Graubner (2009) - <http://www.fgs.uni-halle.de>

date	08-Aug-02	time	5.89	10.56	15.46	20.86	20.86	/ 2 1		
reaction time	0.127	interval		4.67	4.90	5.40		# of strides	10.56	10.30
wind	-1.8 m/s	velocity	8.49	10.71	10.20	9.26	9.59		9.47	9.71

**Heat 1 - 2002 European Championships (Munich, GER)**Graubner (2009) - <http://www.fgs.uni-halle.de>

date	08-Aug-02	time	10.53	15.41	20.71	20.71	/ 1			
reaction time	0.117	interval		4.88	5.30		# of strides	10.53	10.18	0.35
wind	0.8 m/s	velocity	9.50	10.25	9.43	9.66		9.50	9.82	

**FINAL - 2001 European Cup (Bremen GER)**Graubner (2007) - <http://www.fgs.uni-halle.de>

date	24-Jun-01	time	5.94	10.94	15.45	20.69	20.69	/ 3		
reaction time	0.139	interval		5.00	4.51	5.24		# of strides	10.94	9.75
wind	-0.7 m/s	velocity	8.42	10.00	11.09	9.54	9.67		9.14	10.26

**FINAL - 1999 IAAF World Championships (Sevilla, ESP)**Ferro (2001) - *biomechanical analysis of the 7th world championships, seville 1999*

date	17-Aug-99	time	5.89	10.44	15.22	20.30	20.30	5 / 5		
reaction time	0.131	interval		4.55	4.78	5.08		# of strides	10.44	9.86
wind	1.2 m/s	velocity	8.49	10.99	10.46	9.84	9.85		9.58	10.14

**Uzawa, Towa (JPN) (2002)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**Semi-Final 2 - 2024 Olympic Games (Paris, FRA)**

Paris 2024 Olympic Games - Results Book (2024)

date	07-Aug-24	time	5.89	10.52	15.33	20.54	20.54	9 / 6		
reaction time	0.131	interval		4.63	4.81	5.21		# of strides	10.52	10.02
wind	-0.2 m/s	velocity	8.49	10.80	10.40	9.60	9.74	94.0	9.51	9.98

**Heat 6 - 2024 Olympic Games (Paris, FRA)**

Paris 2024 Olympic Games - Results Book (2024)

date	05-Aug-24	time	5.84	10.44	15.20	20.33	20.33	4 / 3		
reaction time	0.114	interval		4.60	4.76	5.13		# of strides	10.44	9.89
wind	0.1 m/s	velocity	8.56	10.87	10.50	9.75	9.84	91.5	9.58	10.11

**Semi-Final 3 - 2023 World Athletics Championships (Budapest, HUN)**Takahashi (2024) - *200m running performance at the 2023 Japanese NC and the WC*

date	23-Aug-23	time	5.92	10.56	15.30	20.33	20.33	8 / 5		
reaction time	0.150	interval		4.64	4.74	5.03		# of strides	10.56	9.77
wind	-0.2 m/s	velocity	8.45	10.78	10.55	9.94	9.84	192.5	9.47	10.24

**Heat 5 - 2023 World Athletics Championships (Budapest, HUN)**Takahashi (2024) - *200m running performance at the 2023 Japanese NC and the WC*

date	23-Aug-23	time	5.94	10.62	15.33	20.34	20.34	8 / 1		
reaction time	0.149	interval		4.68	4.71	5.01		# of strides	10.62	9.72
wind	-0.2 m/s	velocity	8.42	10.68	10.62	9.98	9.83	91.2	9.42	10.29

**FINAL - 2023 Japanese National Championships (Osaka, JPN)**Takahashi (2024) - *200m running performance at the 2023 Japanese NC and the WC*

date	02-Jun-23	time	5.92	10.59	15.31	20.32	20.32	6 / 1		
reaction time	0.165	interval		4.67	4.72	5.01	PB	# of strides	10.59	9.73
wind	-0.2 m/s	velocity	8.45	10.71	10.59	9.98	9.84	92.2	9.44	10.28

**FINAL - 2019 Japanese National High School Championships (Okinawa, JPN)**Kota (2019) - *72nd high school championships: JAF scientific committee*

date	07-Aug-19	time	5.89	10.44	15.21	20.36	20.36	6 / 1		
reaction time		interval		4.55	4.77	5.15		# of strides	10.44	9.92
wind	2.1 m/s	velocity	8.49	10.99	10.48	9.71	9.82		9.58	10.08

**Vaden, Jordan (USA) (1978)**

50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential

**Semi-Final 1 - 2008 USA Olympic Trials (Eugene, OR)**

USATF Women's Sprint Development with HPC (2008)

date	05-Jul-08	time	5.89	10.57	15.48	20.66	20.66	3 / 5		
reaction time		interval		4.68	4.91	5.18		# of strides	10.57	10.09
wind	2.2 m/s	velocity	8.49	10.68	10.18	9.65	9.68		9.46	9.91

**Quarter-Final 3 - 2008 USA Olympic Trials (Eugene, OR)**

USATF Women's Sprint Development with HPC (2008)

date	05-Jul-08	time	5.91	10.56	15.38	20.73	20.73	5 / 3			
reaction time		interval		4.65	4.82	5.35		# of strides	10.56	10.17	0.39
wind	0.1 m/s	velocity	8.46	10.75	10.37	9.35	9.65		9.47	9.83	

**Heat 1 - 2008 USA Olympic Trials (Eugene, OR)**

USATF Women's Sprint Development with HPC (2008)

date	04-Jul-08	time	5.88	10.61	15.42	20.82	20.82	5 / 2			
reaction time		interval		4.73	4.81	5.40		# of strides	10.61	10.21	0.40
wind	1.0 m/s	velocity	8.50	10.57	10.40	9.26	9.61		9.43	9.79	

**FINAL - 2006 USATF National Championships (Indianapolis, IN)**

USATF Women's Sprint Development (2006)

date	25-Jun-06	time	5.82	10.39	15.09	19.98	19.98	6 / 2			
reaction time		interval		4.57	4.70	4.89	<b>PB</b>	# of strides	10.39	9.59	0.80
wind	0.3 m/s	velocity	8.59	10.94	10.64	10.22	10.01		9.62	10.43	

**Van den Hende, Mulamba (BEL) (198)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****E FINAL - 2014 Windsprint (Sundsvall, SWE)**Johansen (2014) - [www.ssg.se/windsprint/Splittider/](http://www.ssg.se/windsprint/Splittider/)

date	20-Jul-14	time		11.59		22.57	22.57	4 / 3			
reaction time		interval				10.98		# of strides	11.59	10.98	0.61
wind	1.7 m/s	velocity		8.63		9.11	8.86		8.63	9.11	

**van Niekerk, Wayde (RSA) (1992)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Semi-Final 3 - 2024 Olympic Games (Paris, FRA)**

Paris 2024 Olympic Games - Results Book (2024)

date	07-Aug-24	time	5.93	10.55	15.39	20.72	20.72	4 / 7			
reaction time	0.166	interval		4.62	4.84	5.33		# of strides	10.55	10.17	0.38
wind	-0.6 m/s	velocity	8.43	10.82	10.33	9.38	9.65	83.0	9.48	9.83	

**Heat 1 - 2024 Olympic Games (Paris, FRA)**

Paris 2024 Olympic Games - Results Book (2024)

date	05-Aug-24	time	5.83	10.42	15.23	20.42	20.42	3 / 3			
reaction time	0.157	interval		4.59	4.81	5.19		# of strides	10.42	10.00	0.42
wind	0.1 m/s	velocity	8.58	10.89	10.40	9.63	9.79	84.0	9.60	10.00	

**FINAL - 2017 IAAF World Championships (London, GBR)**

Takahashi (2017) - 200m running performance analysis in the 2017 season

date	10-Aug-17	time	5.77	10.32	15.08	20.11	20.11	3 / 2			
reaction time	0.156	interval		4.55	4.76	5.03		# of strides	10.32	9.79	0.53
wind	-0.1 m/s	velocity	8.67	10.99	10.50	9.94	9.95	83.4	9.69	10.21	

**Semi-Final 3 - 2017 IAAF World Championships (London, GBR)**

Takahashi (2017) - 200m running performance analysis in the 2017 season

date	09-Aug-17	time	5.84	10.39	15.15	20.28	20.28	6 / 3			
reaction time	0.158	interval		4.55	4.76	5.13		# of strides	10.39	9.89	0.50
wind	0.3 m/s	velocity	8.56	10.99	10.50	9.75	9.86	83.5	9.62	10.11	

**Heat 3 - 2017 IAAF World Championships (London, GBR)**

Takahashi (2017) - 200m running performance analysis in the 2017 season

date	07-Aug-17	time	5.87	10.36	15.07	20.16	20.16	7 / 1			
reaction time	0.192	interval		4.49	4.71	5.09		# of strides	10.36	9.80	0.56
wind	0.3 m/s	velocity	8.52	11.14	10.62	9.82	9.92	82.5	9.65	10.20	

**Vanderbenden, Robin (BEL) (1994)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2022 Memorial van Damme (Brussels, BEL)**

Omega Timing (2022) - diamond league race analysis

date	02-Sep-22	time	5.90	10.59	15.58	21.02	21.02	2 / 7			
reaction time	0.159	interval		4.69	4.99	5.44		# of strides	10.59	10.43	0.16
wind	-2.9 m/s	velocity	8.47	10.66	10.02	9.19	9.51	94.0	9.44	9.59	

**FINAL - 2019 Memorial van Damme (Brussels, BEL)**

Omega Timing (2019) - diamond league race analysis

date	06-Sep-19	time	5.9	10.5	15.4	20.51	20.51	9 / 6			
reaction time	0.128	interval		4.6	4.9	5.11		# of strides	10.50	10.01	0.49
wind	0.8 m/s	velocity	8.47	10.87	10.20	9.78	9.75	94.0	9.52	9.99	

**Veleva, Jan (CZE) (1986)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2020 Bauhaus Galan (Stockholm, SWE)**

Omega Timing (2020) - diamond league race analysis

date	23-Aug-20	time	5.9	10.7	15.6	20.83	20.83	4 / 5			
reaction time	0.156	interval		4.80	4.90	5.23		# of strides	10.70	10.13	0.57
wind	3.0 m/s	velocity	8.47	10.42	10.20	9.56	9.60	95.0	9.35	9.87	

**Viana, Sandro (BRA) (1977)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****Quarter-Final 3 - 2007 IAAF World Championships (Osaka, JPN)**

Tsuchie (2010) - run speed of the men's 200m at the 2007 Osaka World Champs

date	28-Aug-07	time	5.89	10.43	15.35	20.68	20.68	6 / 5			
reaction time	0.169	interval		4.54	4.92	5.33		# of strides	10.43	10.25	0.18
wind	0.9 m/s	velocity	8.49	11.01	10.16	9.38	9.67	86.2	9.59	9.76	

**Vides, Jorge (BRA) (1992)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**Heat 2 - 2023 World Athletics Championships (Budapest, HUN)**      *Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time	10.88			20.80	20.80	2 / 6			
reaction time	0.161	interval				9.92		# of strides	10.88	9.92	0.96
wind	-0.1 m/s	velocity	9.19			10.08	9.62	87.7	9.19	10.08	

**Vilar, Lucas (BRA) (2001)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**Heat 7 - 2022 World Athletics Championships (Eugene, OR)**      *Timing by Seiko (2022) - world athletics championships race analysis*

date	18-Jul-22	time	10.66			20.65	20.65	5 / 6			
reaction time	0.161	interval				9.99		# of strides	10.66	9.99	0.67
wind	-0.3 m/s	velocity	9.38			10.01	9.69	90.0	9.38	10.01	

**Volko, Ján (SVK) (1996)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL - 2024 Seashore Doha Meeting (Doha, QAT)**      *Omega Timing (2024) - diamond league race analysis*

date	10-May-24	time	5.97	10.90	15.93	21.23	21.23	1 / 8			
reaction time	0.155	interval		4.93	5.03	5.30		# of strides	10.90	10.33	0.57
wind	1.7 m/s	velocity	8.38	10.14	9.94	9.43	9.42	97.5	9.17	9.68	

**Heat 2 - 2023 World Athletics Championships (Budapest, HUN)**      *Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time	10.69			20.69	20.69	5 / 5			
reaction time	0.161	interval				10.00		# of strides	10.69	10.00	0.69
wind	-0.1 m/s	velocity	9.35			10.00	9.67	94.0	9.35	10.00	

**FINAL - 2020 Memorial Van Damme (Brussels, BEL)**      *Omega Timing (2020) - diamond league race analysis*

date	04-Sep-20	time	5.9	10.6	15.6	20.81	20.81	4 / 2			
reaction time	0.144	interval		4.70	5.00	5.21		# of strides	10.60	10.21	0.39
wind	0.1 m/s	velocity	8.47	10.64	10.00	9.60	9.61	97.0	9.43	9.79	

**Semi-Final 2 - 2017 IAAF World Championships (London, GBR)**      *Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m*

date	09-Aug-17	time	10.32	15.14		20.44	20.61	8 / 6			
reaction time	0.165	interval		4.82		5.30		# of strides	10.32	10.12	0.20
wind	-0.3 m/s	velocity	9.69	10.37		9.43	9.70	96.4	9.69	9.88	

**von Barth, Emil (SWE) (1996)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**B FINAL - 2014 Windsprint (Sundsvall, SWE)**      *Johansen (2014) - www.ssg.se/windsprint/Splittider/*

date	20-Jul-14	time	11.15			21.70	21.70	2 / 3			
reaction time		interval				10.55		# of strides	11.15	10.55	0.60
wind	2.1 m/s	velocity	8.97			9.48	9.22		8.97	9.48	

**Wahl, Zoltán (HUN) (2000)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**Heat 4 - 2023 World Athletics Championships (Budapest, HUN)**      *Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time	10.98			20.90	20.90	4 / 5			
reaction time	0.158	interval				9.92	<b>PB</b>	# of strides	10.98	9.92	1.06
wind	-0.2 m/s	velocity	9.11			10.08	9.57	90.5	9.11	10.08	

**Wahn, Erik (SWE) (1980)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**C FINAL - 2007 Windsprint (Sundsvall, SWE)**      *(2007) - www.ssg.se/en/Windsprint/Split-times/*

date	24-Jul-07	time	11.20	16.38		21.91	21.91	4 / 1			
reaction time		interval		5.18		5.53		# of strides	11.20	10.71	0.49
wind	0.6 m/s	velocity	8.93	9.65		9.04	9.13		8.93	9.34	

**Wakana, Kei (JPN) (2006)**      **50m**    **100m**    **150m**    **200m**    **Official Time**    **Lane / Place**      **0-100m**    **100-200m**    **Differential**  
**FINAL - 2024 Japanese National High School Championships (Fukuoka, JPN)**      *Takashima (2024) - national high school sports festival - biomechanics data*

date	31-Jul-24	time	5.99	10.74	15.53	20.61	20.61	7 / 1			
reaction time	0.180	interval		4.75	4.79	5.08	<b>PB</b>	# of strides	10.74	9.87	0.87
wind	0.1 m/s	velocity	8.35	10.53	10.44	9.84	9.70		9.31	10.13	

**FINAL - 2023 Japanese National High School Championships (Sapporo, JPN)**      *Takashima (2023) - national high school sports festival - biomechanics data*

date	05-Aug-23	time	6.13	11.10	16.02	21.16	21.16	7 / 4			
reaction time	0.206	interval		4.97	4.92	5.14		# of strides	11.10	10.06	1.04
wind	2.9 m/s	velocity	8.16	10.06	10.16	9.73	9.45		9.01	9.94	

**FINAL - 2023 Japanese U20 National Championships (Osaka, JPN)**      *Takahashi (2024) - 200m running performance at the 2023 Japanese NC and the WC*

date	02-Jun-23	time	6.13	10.91	15.91	21.18	21.18	6 / 1			
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reaction time	0.197	interval	4.78	5.00	5.27		# of strides	10.91	10.27	0.64
wind	0.2 m/s	velocity	8.16	10.46	10.00	9.49	9.44	89.0	9.17	9.74

**Wall, Fredrik (SWE) (1997)** **50m** **100m** **150m** **200m** **Official Time** **Lane / Place** **0-100m** **100-200m** **Differential**  
**H FINAL - 2014 Windsprint (Sundsvall, SWE)** *Johansen (2014) - www.ssg.se/windsprint/Splittider/*

date	20-Jul-14	time	12.39		24.15	24.15		4 / 1			
reaction time		interval			11.76			# of strides	12.39	11.76	0.63
wind	2.5 m/s	velocity	8.07		8.50	8.28			8.07	8.50	

**Waltersson, Jonathan (SWE) (1985)** **50m** **100m** **150m** **200m** **Official Time** **Lane / Place** **0-100m** **100-200m** **Differential**  
**F FINAL - 2007 Windsprint (Sundsvall, SWE)** *(2007) - www.ssg.se/en/Windsprint/Split-times/*

date	24-Jul-07	time	11.66	16.99	22.70	22.70		4 / 1			
reaction time		interval		5.33	5.71			# of strides	11.66	11.04	0.62
wind	0.5 m/s	velocity	8.58	9.38	8.76	8.81			8.58	9.06	

**Wang Huaishuang (CHN) (1988)** **50m** **100m** **150m** **200m** **Official Time** **Lane / Place** **0-100m** **100-200m** **Differential**  
**FINAL - 2017 National Games (Tianjin, CHN)** *Jiang (2017.09.05) - https://twitter.com/pjvazel*

date	05-Sep-17	time	10.71		21.15	21.15		/ 8			
reaction time		interval			10.44			# of strides	10.71	10.44	0.27
wind	-0.2 m/s	velocity	9.34		9.58	9.46			9.34	9.58	

**Wariner, Jeremy (USA) (1984)** **50m** **100m** **150m** **200m** **Official Time** **Lane / Place** **0-100m** **100-200m** **Differential**  
**FINAL - 2007 USATF National Championships (Indianapolis, IN)** *Vazel (2011) - speed reserve in the 400m*

date	24-Jun-07	time	10.53		20.35	20.35		3 / 4			
reaction time		interval			9.82			# of strides	10.53	9.82	0.71
wind	-0.3 m/s	velocity	9.50		10.18	9.83		86.5	9.50	10.18	

**FINAL - 2006 USATF National Championships (Indianapolis, IN)** *USATF Women's Sprint Development (2006)*

date	25-Jun-06	time	5.88	10.46	15.26	20.24	20.24		3 / 5			
reaction time		interval		4.58	4.80	4.98			# of strides	10.46	9.78	0.68
wind	0.3 m/s	velocity	8.50	10.92	10.42	10.04	9.88			9.56	10.22	

**Watanabe, Isamu (JPN)** **50m** **100m** **150m** **200m** **Official Time** **Lane / Place** **0-100m** **100-200m** **Differential**  
**U18 FINAL - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)** *Nitta (2019) - research on athlete performance and technique- 2019 data book*

date	20-Oct-19	time	6.10	11.08	16.25	21.76	21.76		1 / 7			
reaction time	0.140	interval		4.98	5.17	5.51			# of strides	11.08	10.68	0.40
wind	-0.5 m/s	velocity	8.20	10.04	9.67	9.07	9.19		96.5	9.03	9.36	

**Watanabe, Kougen (JPN)** **50m** **100m** **150m** **200m** **Official Time** **Lane / Place** **0-100m** **100-200m** **Differential**  
**FINAL - 2017 Japanese National High School Championships (Yamaguchi, JPN)** *Kobayashi (2017) - 70th high school championships: JAF scientific committee - biomechanics*

date	01-Aug-17	time	5.62	10.97	16.01	21.40	21.40		3 / 7			
reaction time	0.181	interval		5.35	5.04	5.39			# of strides	10.97	10.43	0.54
wind	0.5 m/s	velocity	8.90	9.35	9.92	9.28	9.35			9.12	9.59	

**Watanabe, Satoru (JPN) (1993)** **50m** **100m** **150m** **200m** **Official Time** **Lane / Place** **0-100m** **100-200m** **Differential**  
**FINAL - 2011 Japanese National High School Championships (Kitakami, JPN)** *Abe (2011) - 64th high school championships: JAF scientific committee*

date	06-Aug-11	time	6.11	10.98	15.95	21.38	21.49		/ 6			
reaction time		interval		4.87	4.97	5.43			# of strides	10.98	10.40	0.58
wind	-0.4 m/s	velocity	8.18	10.27	10.06	9.21	9.31			9.11	9.62	

**Watkins, Slip (USA) (1967)** **50m** **100m** **150m** **200m** **Official Time** **Lane / Place** **0-100m** **100-200m** **Differential**  
**Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)** *USATF Women's Sprint Development (1996)*

date	23-Jun-96	time	10.56	15.41	20.69	20.69		8 / 7			
reaction time		interval		4.85	5.28			# of strides	10.56	10.13	0.43
wind	-0.3 m/s	velocity	9.47	10.31	9.47	9.67			9.47	9.87	

**Quarter-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)** *Hymans (2020) - history of the US olympic trials - track and field*

date	22-Jun-96	time	10.49		20.67	20.67		/ 6			
reaction time		interval			10.18			# of strides	10.49	10.18	0.31
wind	0.0 m/s	velocity	9.53		9.82	9.68			9.53	9.82	

**Heat 4 - 1996 USA Olympic Trials (Atlanta, GA)** *Hymans (2020) - history of the US olympic trials - track and field*

date	21-Jun-96	time	10.43		20.65	20.65		/ 6			
reaction time		interval			10.22			# of strides	10.43	10.22	0.21
wind	0.9 m/s	velocity	9.59		9.78	9.69			9.59	9.78	



		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential		
<b>Watrin, Julien (BEL) (1992)</b>												
<b>FINAL</b> - 2020 Memorial Van Damme (Brussels, BEL)		<i>Omega Timing (2020) - diamond league race analysis</i>										
date	04-Sep-20	time	6.1	10.9	15.8	20.83	21.04	8 / 5				
reaction time	0.193	interval		4.80	4.90	5.03		# of strides	10.90	9.93	0.97	
wind	0.1 m/s	velocity	8.20	10.42	10.20	9.94	9.51	90.2	9.17	10.07		
<b>Waugh, Ainsley (JAM) (1981)</b>												
<b>FINAL</b> - 2008 Windsprint (Sundsvall, SWE)		<i>(2008) - www.ssg.se/en/Windsprint/Split-times/</i>										
date	06-Jul-08	time		10.97	16.24	21.83	21.83	3 / 5				
reaction time		interval			5.27	5.59		# of strides	10.97	10.86	0.11	
wind	2.5 m/s	velocity		9.12	9.49	8.94	9.16		9.12	9.21		
<b>Webb, Ameer (USA) (1991)</b>												
<b>FINAL</b> - 2017 IAAF World Championships (London, GBR)		<i>Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m</i>										
date	10-Aug-17	time		10.25	15.14	20.11	20.26	9 / 5				
reaction time	0.148	interval			4.89	4.97		# of strides	10.25	9.86	0.39	
wind	-0.1 m/s	velocity		9.76	10.22	10.06	9.87	84.7	9.76	10.14		
<b>Semi-Final 3</b> - 2017 IAAF World Championships (London, GBR)		<i>Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m</i>										
date	09-Aug-17	time		10.14	14.86	20.07	20.22	5 / 2				
reaction time	0.148	interval			4.72	5.21		# of strides	10.14	9.93	0.21	
wind	0.3 m/s	velocity		9.86	10.59	9.60	9.89	85.0	9.86	10.07		
<b>FINAL</b> - 2017 USATF National Championships (Sheepshead Bay, NY)		<i>(2017) - speedendurance.com/2017/07/14/200m-splits-from-usa-national-championships/</i>										
date	25-Jun-17	time		10.34		20.09	20.09	7 / 1				
reaction time		interval				9.75		# of strides	10.34	9.75	0.59	
wind	-2.3 m/s	velocity		9.67		10.26	9.96		9.67	10.26		
<b>FINAL</b> - 2016 USA Olympic Trials (Eugene, OR)		<i>Hymans (2020) - history of the US olympic trials - track and field</i>										
date	09-Jul-16	time		10.5		20.00	20.00	7 / 3				
reaction time	0.185	interval				9.50		# of strides	10.50	9.50	1.00	
wind	1.6 m/s	velocity		9.52		10.53	10.00	85.7	9.52	10.53		
<b>Weir, Warren (JAM) (1989)</b>												
<b>FINAL</b> - 2012 Olympic Games (London, GBR)		<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>										
date	09-Aug-12	time		10.34		19.84	19.84	8 / 3				
reaction time	0.162	interval				9.50	<b>PB</b>	# of strides	10.34	9.50	0.84	
wind	0.4 m/s	velocity		9.67		10.53	10.08	82.7	9.67	10.53		
<b>Wellington, Andre (JAM) (1986)</b>												
<b>B FINAL</b> - 2008 Windsprint (Sundsvall, SWE)		<i>(2008) - www.ssg.se/en/Windsprint/Split-times/</i>										
date	06-Jul-08	time		11.16	16.40	22.17	22.17	5 / 2				
reaction time		interval			5.24	5.77		# of strides	11.16	11.01	0.15	
wind	3.0 m/s	velocity		8.96	9.54	8.67	9.02		8.96	9.08		
<b>FINAL</b> - 2007 Windsprint (Sundsvall, SWE)		<i>(2007) - www.ssg.se/en/Windsprint/Split-times/</i>										
date	24-Jul-07	time		11.04	16.16	21.70	21.70	2 / 5				
reaction time		interval			5.12	5.54		# of strides	11.04	10.66	0.38	
wind	0.3 m/s	velocity		9.06	9.77	9.03	9.22		9.06	9.38		
<b>Wells, Allan (GBR) (1952)</b>												
<b>FINAL</b> - 1983 IAAF World Championships (Helsinki, FIN)		<i>Moravec (1986) - IAAF biomechanical research - Athens 1986 - sprints</i>										
date	14-Aug-83	time		10.43	15.33	20.52	20.52	4 / 4				
reaction time	0.213	interval			4.90	5.19		# of strides	10.43	10.09	0.34	
wind	1.2 m/s	velocity		9.59	10.20	9.63	9.75	91.0	9.59	9.91		
<b>Wells, Evander (USA) (1987)</b>												
<b>Semi-Final 2</b> - 2008 USA Olympic Trials (Eugene, OR)		<i>USATF Women's Sprint Development with HPC (2008)</i>										
date	05-Jul-08	time		5.92	10.67	15.62	20.80	20.80	1 / 5			
reaction time		interval			4.75	4.95	5.18		# of strides	10.67	10.13	0.54
wind	-0.9 m/s	velocity		8.45	10.53	10.10	9.65	9.62	9.37	9.87		
<b>Quarter-Final 3</b> - 2008 USA Olympic Trials (Eugene, OR)		<i>USATF Women's Sprint Development with HPC (2008)</i>										
date	05-Jul-08	time		6.01	10.73	15.56	20.73	20.73	4 / 4			
reaction time		interval			4.72	4.83	5.17		# of strides	10.73	10.00	0.73
wind	0.1 m/s	velocity		8.32	10.59	10.35	9.67	9.65	9.32	10.00		

**Heat 2 - 2008 USA Olympic Trials (Eugene, OR)**

USATF Women's Sprint Development with HPC (2008)

date	04-Jul-08	time	5.87	10.64	15.60	20.84	20.84	3 / 5			
reaction time		interval		4.77	4.96	5.24		# of strides	10.64	10.20	0.44
wind	0.8 m/s	velocity	8.52	10.48	10.08	9.54	9.60	94.0	9.40	9.80	

**Westhagemann, Volker (FRG) (1964)**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
Semi-Final 1 - 1986 European Championships (Stuttgart, FRG) Veney - split times from PJ

date	28-Aug-86	time	10.79			21.04	21.04	/ 7			
reaction time	0.275	interval				10.25		# of strides	10.79	10.25	0.54
wind	0.0 m/s	velocity	9.27			9.76	9.51		9.27	9.76	

**Wheeler, Tony (USA) (1975)**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
Semi-Final 1 - 1996 USA Olympic Trials (Atlanta, GA) USATF Women's Sprint Development (1996)

date	23-Jun-96	time	10.46	15.18	20.30	20.30	8 / 7				
reaction time		interval		4.72	5.12			# of strides	10.46	9.84	0.62
wind	2.7 m/s	velocity	9.56	10.59	9.77	9.85			9.56	10.16	

**Quarter-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)**

Hymans (2020) - history of the US olympic trials - track and field

date	22-Jun-96	time	10.55			20.39	20.39	/ 4			
reaction time		interval				9.84		# of strides	10.55	9.84	0.71
wind	0.0 m/s	velocity	9.48			10.16	9.81		9.48	10.16	

**Heat 1 - 1996 USA Olympic Trials (Atlanta, GA)**

Hymans (2020) - history of the US olympic trials - track and field

date	21-Jun-96	time	10.51			20.43	20.43	/ 3			
reaction time		interval				9.92		# of strides	10.51	9.92	0.59
wind	1.1 m/s	velocity	9.51			10.08	9.79		9.51	10.08	

**White, Damein (USA) (1986)**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
Quarter-Final 1 - 2008 USA Olympic Trials (Eugene, OR) USATF Women's Sprint Development with HPC (2008)

date	05-Jul-08	time	6.12			27.96	21.96	6 / 5			
reaction time		interval				21.84		# of strides			
wind	-0.5 m/s	velocity	8.17			6.87	9.11				

**Heat 5 - 2008 USA Olympic Trials (Eugene, OR)**

USATF Women's Sprint Development with HPC (2008)

date	04-Jul-08	time	6.14	10.87	15.78	20.93	20.93	6 / 2			
reaction time		interval		4.73	4.91	5.15		# of strides	10.87	10.06	0.81
wind	1.3 m/s	velocity	8.14	10.57	10.18	9.71	9.56		9.20	9.94	

**White-Austin, Trayvion (USA) (2000)**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
Heat 3 - 2024 USA Olympic Trials (Eugene, OR) USATF and Karmarush (2024) - USA Olympic trials results and race analysis

date	27-Jun-24	time	5.95	10.66	15.46	20.68	20.68	5 / 3			
reaction time		interval		4.71	4.80	5.22	DQ	# of strides	10.66	10.02	0.64
wind	1.1 m/s	velocity	8.40	10.62	10.42	9.58	9.67	93.2	9.38	9.98	

**Whitted, Alvis (USA) (1974)**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential  
FINAL - 1996 USA Olympic Trials (Atlanta, GA) USATF Women's Sprint Development (1996)

date	23-Jun-96	time	10.77	15.54	20.31	20.31	2 / 6				
reaction time		interval		4.77	4.77			# of strides	10.77	9.54	1.23
wind	1.7 m/s	velocity	9.29	10.48	10.48	9.85			9.29	10.48	

**Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)**

USATF Women's Sprint Development (1996)

date	23-Jun-96	time	10.56	15.29	20.29	20.29	3 / 4				
reaction time		interval		4.73	5.00	PB		# of strides	10.56	9.73	0.83
wind	-0.3 m/s	velocity	9.47	10.57	10.00	9.86			9.47	10.28	

**Quarter-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)**

Hymans (2020) - history of the US olympic trials - track and field

date	22-Jun-96	time	10.51			20.36	20.36	/ 3			
reaction time		interval				9.85		# of strides	10.51	9.85	0.66
wind	0.0 m/s	velocity	9.51			10.15	9.82		9.51	10.15	

**Heat 4 - 1996 USA Olympic Trials (Atlanta, GA)**

Hymans (2020) - history of the US olympic trials - track and field

date	21-Jun-96	time	10.48			20.45	20.45	/ 3			
reaction time		interval				9.97		# of strides	10.48	9.97	0.51
wind	0.9 m/s	velocity	9.54			10.03	9.78		9.54	10.03	

<b>Wicks, Silvan (SUI) (1995)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL - 2020 Bauhaus Galan (Stockholm, SWE)</b>		<i>Omega Timing (2020) - diamond league race analysis</i>									
date	23-Aug-20	time	5.9	10.6	15.6	20.75	20.75	5 / 3			
reaction time	0.144	interval		4.70	5.00	5.15		# of strides	10.60	10.15	0.45
wind	3.0 m/s	velocity	8.47	10.64	10.00	9.71	9.64	93.5	9.43	9.85	
<b>FINAL - 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)</b>		<i>Swiss Athletics (2016) - sprint and hurdle analysis</i>									
date	07-May-16	time	5.98	10.70	15.64		15.64	/ 3			<b>50-150m</b>
reaction time		interval		4.72	4.94		<b>PB</b>	# of strides	10.70		9.66
wind	1.3 m/s	velocity	8.36	10.59	10.12		9.59		9.35		10.35
<b>Wilks, Terrell (USA) (1989)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL - 2008 USATF National Junior Championships (Columbus, OH)</b>		<i>USATF Women's Sprint Development with HPC (2008)</i>									
date	22-Jun-08	time		10.70	15.67	21.08	21.08	6 / 3			
reaction time		interval			4.97	5.41		# of strides	10.70	10.38	0.32
wind	-2.2 m/s	velocity		9.35	10.06	9.24	9.49		9.35	9.63	
<b>Wikström-Roos, Dennis (SWE) (1993)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>E FINAL - 2012 Windsprint (Sundsvall, SWE)</b>		<i>(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx</i>									
date	17-Jun-12	time		12.09		23.59	23.59	/ 2			
reaction time		interval				11.50		# of strides	12.09	11.50	0.59
wind	0.7 m/s	velocity		8.27		4.24	8.48		8.27	8.70	
<b>Williams, Bernard (USA) (1978)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL - 2008 USA Olympic Trials (Eugene, OR)</b>		<i>USATF Women's Sprint Development with HPC (2008)</i>									
date	06-Jul-08	time	5.92	10.58	15.35	20.63	20.63	2 / 7			
reaction time	0.171	interval		4.66	4.77	5.28		# of strides	10.58	10.05	0.53
wind	1.7 m/s	velocity	8.45	10.73	10.48	9.47	9.69		9.45	9.95	
<b>Semi-Final 2 - 2008 USA Olympic Trials (Eugene, OR)</b>		<i>USATF Women's Sprint Development with HPC (2008)</i>									
date	05-Jul-08	time	5.92	10.64	15.36	20.60	20.60	5 / 4			
reaction time		interval		4.72	4.72	5.24		# of strides	10.64	9.96	0.68
wind	-0.9 m/s	velocity	8.45	10.59	10.59	9.54	9.71		9.40	10.04	
<b>Quarter-Final 2 - 2008 USA Olympic Trials (Eugene, OR)</b>		<i>USATF Women's Sprint Development with HPC (2008)</i>									
date	05-Jul-08	time	6.00	10.84	15.52	20.61	20.61	5 / 1			
reaction time		interval		4.84	4.68	5.09		# of strides	10.84	9.77	1.07
wind	1.4 m/s	velocity	8.33	10.33	10.68	9.82	9.70		9.23	10.24	
<b>Heat 3 - 2008 USA Olympic Trials (Eugene, OR)</b>		<i>USATF Women's Sprint Development with HPC (2008)</i>									
date	04-Jul-08	time	5.88	10.63	15.40	20.65	20.65	8 / 1			
reaction time		interval		4.75	4.77	5.25		# of strides	10.63	10.02	0.61
wind	-0.3 m/s	velocity	8.50	10.53	10.48	9.52	9.69		9.41	9.98	
<b>FINAL - 2004 Olympic Games (Athens, GRE)</b>		<i>Butler (2016) - IAAF statistics handbook- special edition: Games of the XXXI Olympiad- Rio 2016</i>									
date	26-Aug-04	time		10.3		20.0	20.01	3 / 2			
reaction time	0.173	interval				9.70		# of strides	10.30	9.70	0.60
wind	1.2 m/s	velocity		9.71		10.31	10.00		9.71	10.31	
<b>FINAL - 2004 USA Olympic Trials (Sacramento, CA)</b>		<i>USATF Women's Sprint Development (2004)</i>									
date	18-Jul-04	time	5.76	10.30	15.03	20.30	20.30	6 / 3			
reaction time		interval		4.54	4.73	5.27		# of strides	10.30	10.00	0.30
wind	-0.7 m/s	velocity	8.68	11.01	10.57	9.49	9.85		9.71	10.00	
<b>Semi-Final 1 - 2004 USA Olympic Trials (Sacramento, CA)</b>		<i>USATF Women's Sprint Development (2004)</i>									
date	17-Jul-04	time	5.82	10.41	15.07	20.15	20.15	6 / 1			
reaction time		interval		4.59	4.66	5.08		# of strides	10.41	9.74	0.67
wind	-0.7 m/s	velocity	8.59	10.89	10.73	9.84	9.93		9.61	10.27	
<b>Semi-Final 2 - 2000 USA Olympic Trials (Sacramento, CA)</b>		<i>Hymans (2020) - history of the US olympic trials - track and field</i>									
date	23-Jul-00	time		10.2		20.04	20.04	/ 1			
reaction time		interval				9.84		# of strides	10.20	9.84	0.36
wind	1.1 m/s	velocity		9.80		10.16	9.98		9.80	10.16	
<b>Williams, Christopher (JAM) (1972)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL - 2008 IAAF World Athletic Final (Stuttgart, GER)</b>		<i>Graubner (2009) - http://www.fgs.uni-halle.de</i>									

date	14-Sep-08	time	5.99	10.57	15.43	20.66	20.66	5 / 4			
reaction time	0.162	interval		4.58	4.86	5.23		# of strides	10.57	10.09	0.48
wind	-0.1 m/s	velocity	8.35	10.92	10.29	9.56	9.68		9.46	9.91	

**FINAL - 2007 IAAF World Athletic Final (Stuttgart, GER)**Graubner (2007) - <http://www.fgs.uni-halle.de>

date	23-Sep-07	time	5.95	10.57	15.38	20.39	20.39	3 / 5			
reaction time	0.151	interval		4.62	4.81	5.01		# of strides	10.57	9.82	0.75
wind	1.3 m/s	velocity	8.40	10.82	10.40	9.98	9.81		9.46	10.18	

**FINAL - 2007 IAAF World Championships (Osaka, JPN)**Tsuchie (2010) - *run speed of the men's 200m at the 2007 Osaka World Champs*

date	30-Aug-07	time	5.91	10.48	15.34	20.57	20.57	9 / 7			
reaction time	0.154	interval		4.57	4.86	5.23		# of strides	10.48	10.09	0.39
wind	-0.8 m/s	velocity	8.46	10.94	10.29	9.56	9.72	93.0	9.54	9.91	

**Semi-Final 2 - 2007 IAAF World Championships (Osaka, JPN)**Tsuchie (2010) - *run speed of the men's 200m at the 2007 Osaka World Champs*

date	29-Aug-07	time	5.88	10.42	15.19	20.24	20.24	9 / 3			
reaction time	0.143	interval		4.54	4.77	5.05		# of strides	10.42	9.82	0.60
wind	-0.4 m/s	velocity	8.50	11.01	10.48	9.90	9.88	91.5	9.60	10.18	

**Quarter-Final 1 - 2007 IAAF World Championships (Osaka, JPN)**Tsuchie (2010) - *run speed of the men's 200m at the 2007 Osaka World Champs*

date	28-Aug-07	time	5.91	10.48	15.30	20.40	20.40	7 / 4			
reaction time	0.143	interval		4.57	4.82	5.10		# of strides	10.48	9.92	0.56
wind	0.3 m/s	velocity	8.46	10.94	10.37	9.80	9.80	91.2	9.54	10.08	

**FINAL - 2001 IAAF World Championships (Edmonton, CAN)**Butler (2013) - *IAAF world championships statistics handbook- moscow 2013*

date	09-Aug-01	time		10.1		20.20	20.20	3 / 2			
reaction time	0.143	interval				10.10		# of strides	10.10	10.10	0.00
wind	0.2 m/s	velocity		9.90		9.90	9.90	94.0	9.90	9.90	

<b>Williams, Desai (CAN) (1959)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>Heat 4 - 1984 Olympic Games (Los Angeles, CA)</b>										
Veney - <i>split times from PJ</i>										
date	06-Aug-84	time	10.31		20.70	20.70	7 / 2			
reaction time		interval			10.39	<b>PB</b>	# of strides	10.31	10.39	-0.08
wind	1.4 m/s	velocity	9.70		9.62	9.66		9.70	9.62	

<b>Williams, Ivory (USA) (1985)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL - 2009 Great CityGames (Manchester, GBR) (150m straightaway)</b>										
(2009) - <a href="http://www.greatcitygames.org/Results/2009_gcgm.aspx">www.greatcitygames.org/Results/2009_gcgm.aspx</a>										
date	17-May-09	time	5.79	10.26	15.08	15.08	2 / 3			<b>50-150m</b>
reaction time		interval		4.47	4.82	<b>PB</b>	# of strides	10.26		9.29
wind	1.1 m/s	velocity	8.64	11.19	10.37	9.95		9.75		10.76

**Heat 1 - 2009 Great CityGames (Manchester, GBR) (150m straightaway)**Jalava (2009) - [www.tilastopaja.org](http://www.tilastopaja.org)

date	17-May-09	time	10.35	15.32		15.32	/ 1			
reaction time		interval		4.97			# of strides	10.35		
wind	-0.8 m/s	velocity	9.66	10.06		9.79		9.66		

<b>Williams, Jeff (USA) (1965)</b>		50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
<b>FINAL - 1996 Olympic Games (Atlanta, GA)</b>										
Maisetti (1996) - <i>observation des courses de vitesse d'Atlanta</i>										
date	01-Aug-96	time	10.43		20.17	20.17	2 / 5			
reaction time	0.182	interval			9.74		# of strides	10.43	9.74	0.69
wind	0.4 m/s	velocity	9.59		10.27	9.92	86.4	9.59	10.27	

**FINAL - 1996 USA Olympic Trials (Atlanta, GA)**

USATF Women's Sprint Development (1996)

date	23-Jun-96	time	10.65	15.26	20.03	20.03	6 / 2			
reaction time		interval		4.61	4.77		# of strides	10.65	9.38	1.27
wind	1.7 m/s	velocity	9.39	10.85	10.48	9.99		9.39	10.66	

**Semi-Final 2 - 1996 USA Olympic Trials (Atlanta, GA)**

USATF Women's Sprint Development (1996)

date	23-Jun-96	time	10.48	15.09	20.02	20.02	4 / 1			
reaction time		interval		4.61	4.93		# of strides	10.48	9.54	0.94
wind	-0.3 m/s	velocity	9.54	10.85	10.14	9.99		9.54	10.48	

**Quarter-Final 1 - 1996 USA Olympic Trials (Atlanta, GA)**Hymans (2020) - *history of the US olympic trials - track and field*

date	22-Jun-96	time	10.36		20.07	20.07	/ 1			
reaction time		interval			9.71		# of strides	10.36	9.71	0.65
wind	2.4 m/s	velocity	9.65		10.30	9.97		9.65	10.30	

**Heat 4 - 1996 USA Olympic Trials (Atlanta, GA)**

date 21-Jun-96 time 10.38 20.10 20.10  
 reaction time interval 9.72  
 wind 0.9 m/s velocity 9.63 10.29 9.95

*Hymans (2020) - history of the US olympic trials - track and field*

/ 1  
 # of strides 10.38 9.72 0.66  
 9.63 10.29

**Williams, Kendal (USA) (1995)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**FINAL - 2016 USA Olympic Trials (Eugene, OR)***Hymans (2020) - history of the US olympic trials - track and field*

date 09-Jul-16 time 10.6 20.38 20.38  
 reaction time 0.166 interval 9.78  
 wind 1.6 m/s velocity 9.43 10.22 9.81

3 / 7  
 # of strides 10.60 9.78 0.82  
 9.43 10.22

**Williams, Rubin (USA) (1983)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**FINAL - 2008 USA Olympic Trials (Eugene, OR)***USATF Women's Sprint Development with HPC (2008)*

date 06-Jul-08 time 6.31 10.84 15.52 20.61 20.61  
 reaction time 0.161 interval 4.53 4.68 5.09  
 wind 1.7 m/s velocity 7.92 11.04 10.68 9.82 9.70

8 / 6  
 # of strides 10.84 9.77 1.07  
 9.23 10.24

**Semi-Final 2 - 2008 USA Olympic Trials (Eugene, OR)***USATF Women's Sprint Development with HPC (2008)*

date 05-Jul-08 time 5.93 10.61 15.37 20.56 20.56  
 reaction time interval 4.68 4.76 5.19  
 wind -0.9 m/s velocity 8.43 10.68 10.50 9.63 9.73

7 / 3  
 # of strides 10.61 9.95 0.66  
 9.43 10.05

**Quarter-Final 1 - 2008 USA Olympic Trials (Eugene, OR)***USATF Women's Sprint Development with HPC (2008)*

date 05-Jul-08 time 5.96 10.66 15.38 20.58 20.58  
 reaction time interval 4.70 4.72 5.20  
 wind -0.5 m/s velocity 8.39 10.64 10.59 9.62 9.72

5 / 2  
 # of strides 10.66 9.92 0.74  
 9.38 10.08

**Heat 3 - 2008 USA Olympic Trials (Eugene, OR)***USATF Women's Sprint Development with HPC (2008)*

date 04-Jul-08 time 5.89 10.61 15.39 20.70 20.70  
 reaction time interval 4.72 4.78 5.31  
 wind -0.3 m/s velocity 8.49 10.59 10.46 9.42 9.66

3 / 2  
 # of strides 10.61 10.09 0.52  
 9.43 9.91

**FINAL - 2006 USATF National Championships (Indianapolis, IN)***USATF Women's Sprint Development (2006)*

date 25-Jun-06 time 5.97 10.72 15.56 20.57 20.57  
 reaction time interval 4.75 4.84 5.01  
 wind 0.3 m/s velocity 8.38 10.53 10.33 9.98 9.72

1 / 8  
 # of strides 10.72 9.85 0.87  
 9.33 10.15

**Williams, Steve (USA) (1953)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**FINAL - 1975 Internationale Abendsportfest (Stuttgart, FRG)***Breizer (1984) - sprint competition analysis*

date 26-Aug-75 time 10.25 15.19 20.16 20.16  
 reaction time interval 4.94 4.97 **PB**  
 wind -0.1 m/s velocity 9.76 10.12 10.06 9.92

/ 1  
 # of strides 10.25 9.91 0.34  
 9.76 10.09

**Williamson, Simeon (GBR) (1986)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**Heat 1 - 2009 Great CityGames (Manchester, GBR) (150m straightaway)***Jalava (2009) - www.tilastopaja.org*

date 17-May-09 time 10.78 16.09  
 reaction time interval 5.31  
 wind -0.8 m/s velocity 9.28 9.42 9.32

16.09 / 4  
 # of strides 10.78  
 9.28

**Willie, Kelly (USA) (1986)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**FINAL - 2006 USATF National Championships (Indianapolis, IN)***USATF Women's Sprint Development (2006)*

date 25-Jun-06 time 5.87 10.52 15.28 20.24 20.24  
 reaction time interval 4.65 4.76 4.96 **PB**  
 wind 0.3 m/s velocity 8.52 10.75 10.50 10.08 9.88

5 / 4  
 # of strides 10.52 9.72 0.80  
 9.51 10.29

**Wilson, Alex (SUI) (1990)**

**50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

**FINAL - 2021 Bislett Games (Oslo, NOR)***Omega Timing (2021) - diamond league race analysis*

date 01-Jul-21 time 6.1 10.8 15.7 20.98 20.98  
 reaction time 0.138 interval 4.70 4.90 5.28  
 wind -1.0 m/s velocity 8.20 10.64 10.20 9.47 9.53

8 / 7  
 # of strides 10.80 10.18 0.62  
 9.26 9.82

**FINAL - 2019 Athletissima (Lausanne, SUI)***Omega Timing (2019) - diamond league race analysis*

date 05-Jul-19 time 5.9 10.4 15.2 20.29 20.29  
 reaction time 0.126 interval 4.5 4.8 5.09  
 wind -0.1 m/s velocity 8.47 11.11 10.42 9.82 9.86

6 / 6  
 # of strides 10.40 9.89 0.51  
 87.5 9.62 10.11

**Semi-Final 2** - 2017 IAAF World Championships (London, GBR)*Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m*

date	09-Aug-17	time	10.50	15.42	21.08	21.22	2 / 8			
reaction time	0.125	interval		4.92	5.66		# of strides	10.50	10.58	-0.08
wind	-0.3 m/s	velocity	9.52	10.16	8.83	9.43	91.7	9.52	9.45	

**FINAL** - 2016 Hürden-und Sprintmeeting (Basel, SUI) (150m)*Swiss Athletics (2016) - sprint and hurdle analysis*

date	07-May-16	time	5.96	10.46	15.15	15.15	/ 1			<b>50-150m</b>
reaction time		interval		4.50	4.69	<b>PB</b>	# of strides	10.46		9.19
wind	1.3 m/s	velocity	8.39	11.11	10.66	9.90		9.56		10.88

**Wilson, Erick (USA) (1982)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL** - 2003 USATF National Championships (Palo Alto, CA)*USATF Women's Sprint Development (2003)*

date	22-Jun-03	time	6.17	10.88	20.95	20.95	8 / 7			
reaction time		interval		4.71	10.07		# of strides	10.88	10.07	0.81
wind	0.1 m/s	velocity	8.10	10.62	9.93	9.55		9.19	9.93	

**Wissman, Johan (SWE) (1982)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****A FINAL** - 2015 Windsprint (Sundsvall, SWE)*(2015) - www.windsprint/Splittider/*

date	26-Jul-15	time	10.73		20.83	20.83	4 / 2			
reaction time		interval			10.10		# of strides	10.73	10.10	0.63
wind	0.4 m/s	velocity	9.32		9.90	9.60		9.32	9.90	

**A FINAL** - 2014 Windsprint (Sundsvall, SWE)*Johansen (2014) - www.ssg.se/windsprint/Splittider/*

date	20-Jul-14	time	10.92		20.67	20.67	6 / 3			
reaction time		interval			9.75		# of strides	10.92	9.75	1.17
wind	1.1 m/s	velocity	9.16		10.26	9.68		9.16	10.26	

**A FINAL** - 2013 Windsprint (Sundsvall, SWE)*(2013) - www.ssg.se/windsprint/Splittider/*

date	28-Jul-13	time	10.78	15.55	20.64	20.64	4 / 3			
reaction time		interval		4.77	5.09		# of strides	10.78	9.86	0.92
wind	2.2 m/s	velocity	9.28	10.48	9.82	9.69	87.2	9.28	10.14	

**FINAL** - 2012 Windsprint (Sundsvall, SWE)*(2012) - www.elitlandslag.se/SprintHäck/KortSprint.aspx*

date	17-Jun-12	time	10.92		21.05	21.05	/ 4			
reaction time		interval			10.13		# of strides	10.92	10.13	0.79
wind	1.5 m/s	velocity	9.16		4.75	9.50		9.16	9.87	

**FINAL** - 2008 Windsprint (Sundsvall, SWE)*(2008) - www.ssg.se/en/Windsprint/Split-times/*

date	06-Jul-08	time	10.67	15.44	20.47	20.47	5 / 1			
reaction time		interval		4.77	5.03		# of strides	10.67	9.80	0.87
wind	2.5 m/s	velocity	9.37	10.48	9.94	9.77		9.37	10.20	

**FINAL** - 2007 IAAF World Athletic Final (Stuttgart, GER)*Graubner (2007) - http://www.fgs.uni-halle.de*

date	23-Sep-07	time	6.08	10.63	15.33	20.30	20.30	7 / 4		
reaction time	0.166	interval		4.55	4.70	4.97	<b>NR</b>	# of strides	10.63	9.67
wind	1.3 m/s	velocity	8.22	10.99	10.64	10.06	9.85		9.41	10.34

**FINAL** - 2007 Windsprint (Sundsvall, SWE)*(2007) - www.ssg.se/en/Windsprint/Split-times/*

date	24-Jul-07	time	10.67	15.38	20.39	20.39	4 / 1			
reaction time		interval		4.71	5.01		# of strides	10.67	9.72	0.95
wind	0.3 m/s	velocity	9.37	10.62	9.98	9.81		9.37	10.29	

**Wright, Terron (USA) (1958)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL** - 1982 GDR vs. USA (Karl-Marx-Stadt, GDR)*Heß (1985) - entwicklungsaspekte die leichtathletischen sprint-/hürdendisziplinen 1981/84*

date	10-Jul-82	time	10.47		20.39	20.39	/ 2			
reaction time		interval			9.92		# of strides	10.47	9.92	0.55
wind	1.7 m/s	velocity	9.55		10.08	9.81		9.55	10.08	

**Wyss, Nico (SUI) (2002)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****B Race** - 2021 Athletissima (Lausanne, SUI)*Omega Timing (2021) - diamond league race analysis*

date	26-Aug-21	time	6.3	11.4	16.6	22.03	22.03	1 / 7		
reaction time	0.176	interval		5.10	5.20	5.43		# of strides	11.40	10.63
wind	3.0 m/s	velocity	7.94	9.80	9.62	9.21	9.08		8.77	9.41

**Xie Zhenye (CHN) (1993)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential**

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

<b>Semi-Final 3 - 2022 World Athletics Championships (Eugene, OR)</b>					<i>Timing by Seiko (2022) - world athletics championships race analysis</i>				
date	19-Jul-22	time	10.47	20.41	20.41	7 / 5			
reaction time	0.148	interval		9.94		# of strides	10.47	9.94	0.53
wind	0.3 m/s	velocity	9.55	10.06	9.80	90.0	9.55	10.06	

<b>Heat 7 - 2022 World Athletics Championships (Eugene, OR)</b>					<i>Timing by Seiko (2022) - world athletics championships race analysis</i>				
date	18-Jul-22	time	10.50	20.30	20.30	7 / 3			
reaction time	0.159	interval		9.80		# of strides	10.50	9.80	0.70
wind	-0.3 m/s	velocity	9.52	10.20	9.85	90.0	9.52	10.20	

<b>FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN)</b>					<i>Jiang (2019) - data analysis men's sprint finals the world championships trials</i>				
date	03-Aug-19	time	5.91	10.45	15.27	20.34	20.34	6 / 1	
reaction time		interval		4.54	4.82	5.07		# of strides	10.45
wind	0.0 m/s	velocity	8.46	11.01	10.37	9.86	9.83		9.57

<b>FINAL - 2019 Athletissima (Lausanne, SUI)</b>					<i>Omega Timing (2019) - diamond league race analysis</i>				
date	05-Jul-19	time	5.9	10.5	15.2	20.32	20.32	1 / 7	
reaction time	0.147	interval		4.6	4.7	5.12		# of strides	10.50
wind	-0.1 m/s	velocity	8.47	10.87	10.64	9.77	9.84		9.52

<b>FINAL - 2018 Seiko Golden Grand Prix (Osaka, JPN)</b>					<i>Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018</i>				
date	20-May-18	time	5.90	10.53	15.22	20.16	20.16	9 / 2	
reaction time	0.191	interval		4.63	4.69	4.94	<b>NR PB</b>	# of strides	10.53
wind	0.9 m/s	velocity	8.47	10.80	10.66	10.12	9.92		88.0

<b>FINAL - 2017 National Games (Tianjin, CHN)</b>					<i>Jiang (2017.09.05) - <a href="https://twitter.com/pjvazel">https://twitter.com/pjvazel</a></i>				
date	05-Sep-17	time	10.28	20.20	20.20	1 / 1			
reaction time		interval		9.92	<b>NR</b>		# of strides	10.28	9.92
wind	-0.2 m/s	velocity	9.73	10.08	9.90			9.73	10.08

<b>FINAL - 2016 Seiko Golden Grand Prix (Kawasaki, JPN)</b>					<i>Takahashi (2016) - performance analysis of the top 200m sprinters in japan &amp; abroad</i>				
date	08-May-16	time	5.92	10.60	15.49	20.78	20.78	3 / 5	
reaction time	0.191	interval		4.68	4.89	5.29		# of strides	10.60
wind	-0.6 m/s	velocity	8.45	10.68	10.22	9.45	9.62		87.7

<b>Heat 7 - 2015 IAAF World Championships (Beijing, CHN)</b>					<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>				
date	25-Aug-15	time	5.80	10.37	15.15	20.36	20.36	8 / 2	
reaction time	0.191	interval		4.57	4.78	5.21	<b>DQ</b>	# of strides	10.37
wind	-0.4 m/s	velocity	8.62	10.94	10.46	9.60	9.82		87.0

<b>FINAL - 2015 Seiko Golden Grand Prix (Kawasaki, JPN)</b>					<i>Takahashi (2015) - 200m race analysis of Japanese and the World best of 2015</i>				
date	10-May-15	time	6.02	10.65	15.46	20.61	20.61	8 / 3	
reaction time		interval		4.63	4.81	5.15		# of strides	10.65
wind	-0.5 m/s	velocity	8.31	10.80	10.40	9.71	9.70		89.2

<b>Xu Renyu (CHN) (2000)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2019 Chinese World Championships Trials (Shenyang, CHN)</b>					<i>Jiang (2019) - data analysis men's sprint finals the world championships trials</i>					
date	03-Aug-19	time	6.11	10.95	16.17	21.66	21.66	2 / 7		
reaction time		interval		4.84	5.22	5.49		# of strides	10.95	10.71
wind	0.0 m/s	velocity	8.18	10.33	9.58	9.11	9.23		9.13	9.34

<b>Yajima, Ryo (JPN) (2004)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2021 Japanese High School National Championships (Fukui, JPN)</b>					<i>Shibayama (2021) - national high school and U20 national championships</i>					
date	31-Jul-21	time	5.56	10.83	15.64	20.86	20.86	5 / 2		
reaction time	0.150	interval		5.27	4.81	5.22		# of strides	10.83	10.03
wind	3.1 m/s	velocity	8.99	9.49	10.40	9.58	9.59		9.23	9.97

<b>Yamada, Yudai (JPN) (2003)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2021 Japanese High School National Championships (Fukui, JPN)</b>					<i>Shibayama (2021) - national high school and U20 national championships</i>					
date	31-Jul-21	time	5.64	10.84	15.68	20.88	20.88	7 / 4		
reaction time	0.155	interval		5.20	4.84	5.20		# of strides	10.84	10.04
wind	3.1 m/s	velocity	8.87	9.62	10.33	9.62	9.58		9.23	9.96

<b>Yamagata, Ryota (JPN) (1992)</b>		<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>
<b>FINAL - 2011 Japanese National Championships (Kumagaya, JPN)</b>					<i>Kyohei (2012) - run performance of 2011 world &amp; Japanese top 200m sprinters</i>					
date	11-Jun-11	time	5.89	10.55	15.55	20.84	20.84	1 / 6		
reaction time		interval		4.66	5.00	5.29		# of strides	10.55	10.29
wind		velocity								

WR=World Rec. AR=Area Rec. OR=Olympic Rec. CR=Championship Rec. NR=National Rec. PB=Personal Best DQ=Disqualified DV=Drug Violation

wind	0.0 m/s	velocity	8.49	10.73	10.00	9.45	9.60		9.48	9.72		
<b>FINAL</b> - 2011 Shizuoka International Athletics Meeting (Fukuroi, JPN)			<i>Kyohei (2012) - run performance of 2011 world &amp; Japanese top 200m sprinters</i>									
date	03-May-11	time	5.98	10.56	15.56	20.84	20.84		/ 3			
reaction time		interval		4.58	5.00	5.28			# of strides	10.56	10.28	0.28
wind	0.5 m/s	velocity	8.36	10.92	10.00	9.47	9.60		9.47	9.73		

<b>Yamaguchi, Rin (JPN) (2001)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>		<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2020 Japanese U20 National Championships (Hiroshima, JPN)			<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>									
date	25-Oct-20	time	6.18	11.15	16.19	21.49	21.49		4 / 6			
reaction time	0.178	interval		4.97	5.04	5.30			# of strides	11.15	10.34	0.81
wind	1.5 m/s	velocity	8.09	10.06	9.92	9.43	9.31		100.4	8.97	9.67	
<b>Heat 1</b> - 2020 Japanese U20 National Championships (Hiroshima, JPN)			<i>Kobayashi (2002) - national high school and U20 national championships</i>									
date	25-Oct-20	time	6.14	11.03	15.97	21.35	21.35		4 / 2			
reaction time	0.170	interval		4.89	4.94	5.38			# of strides	11.03	10.32	0.71
wind	1.4 m/s	velocity	8.14	10.22	10.12	9.29	9.37		102.1	9.07	9.69	
<b>U20 FINAL</b> - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN)			<i>Naka (2019) - research on athlete performance and technique- 2019 data book</i>									
date	20-Oct-19	time	6.16	11.09	16.20	21.63	21.63		1 / 7			
reaction time	0.160	interval		4.93	5.11	5.43			# of strides	11.09	10.54	0.55
wind	-1.2 m/s	velocity	8.12	10.14	9.78	9.21	9.25		97.0	9.02	9.49	
<b>FINAL</b> - 2019 Japanese National High School Championships (Okinawa, JPN)			<i>Kota (2019) - 72nd high school championships: JAF scientific committee</i>									
date	07-Aug-19	time	6.09	10.91	15.86	21.12	21.12		3 / 4			
reaction time		interval		4.82	4.95	5.26			# of strides	10.91	10.21	0.70
wind	2.1 m/s	velocity	8.21	10.37	10.10	9.51	9.47			9.17	9.79	
<b>Yamaji, Kotaro (JPN) (2000)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2018 Japanese National Junior (U20) Championships (Nagano, JPN)			<i>Ryutaro (2018) - research on athlete performance and technique</i>									
date	21-Oct-18	time	6.21	11.06	16.04	21.24	21.24		5 / 4			
reaction time	0.177	interval		4.85	4.98	5.20			# of strides	11.06	10.18	0.88
wind	0.5 m/s	velocity	8.05	10.31	10.04	9.62	9.42		94.5	9.04	9.82	
<b>Yamashita, Jun (JPN) (1997)</b>			<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>	
<b>FINAL</b> - 2021 Japanese National Championships (Osaka, JPN)			<i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>									
date	27-Jun-21	time	5.86	10.57	15.48	20.80	20.80		7 / 4			
reaction time	0.158	interval		4.71	4.91	5.32			# of strides	10.57	10.23	0.34
wind	1.0 m/s	velocity	8.53	10.62	10.18	9.40	9.62		87.0	9.46	9.78	
<b>FINAL</b> - 2021 Ready Steady Tokyo (Tokyo, JPN)			<i>Takahashi (2021) - race analysis of domestic 200m &amp; U16 150m in olympic season</i>									
date	09-May-21	time	5.92	10.56	15.39	20.61	20.61		6 / 4			
reaction time	0.142	interval		4.64	4.83	5.22			# of strides	10.56	10.05	0.51
wind	1.4 m/s	velocity	8.45	10.78	10.35	9.58	9.70		87.5	9.47	9.95	
<b>FINAL</b> - 2020 Japanese National Championships (Niigata, JPN)			<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>									
date	03-Oct-20	time	5.88	10.56	15.51	20.94	20.94		2 / 4			
reaction time	0.146	interval		4.68	4.95	5.43			# of strides	10.56	10.38	0.18
wind	-0.5 m/s	velocity	8.50	10.68	10.10	9.21	9.55		88.5	9.47	9.63	
<b>FINAL</b> - 2020 Athlete Night Games (Fukui, JPN)			<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>									
date	29-Aug-20	time	5.91	10.56	15.47	20.89	20.89		7 / 3			
reaction time		interval		4.65	4.91	5.42			# of strides	10.56	10.33	0.23
wind	0.8 m/s	velocity	8.46	10.75	10.18	9.23	9.57		87.0	9.47	9.68	
<b>FINAL</b> - 2020 Seiko Golden Grand Prix (Tokyo, JPN)			<i>Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020</i>									
date	23-Aug-20	time	5.92	10.66	15.66	21.18	21.18		4 / 5			
reaction time	0.136	interval		4.74	5.00	5.52			# of strides	10.66	10.52	0.14
wind	0.6 m/s	velocity	8.45	10.55	10.00	9.06	9.44		87.0	9.38	9.51	
<b>Heat 5</b> - 2019 IAAF World Championships (Doha, QAT)			<i>Takahasi (2019) - race analysis top 200m athletes- domestic and international</i>									
date	29-Sep-19	time	5.87	10.50	15.31	20.62	20.62		8 / 5			
reaction time	0.139	interval		4.63	4.81	5.31			# of strides	10.50	10.12	0.38
wind	1.0 m/s	velocity	8.52	10.80	10.40	9.42	9.70		86.5	9.52	9.88	
<b>FINAL</b> - 2019 Japanese National Championships (Fukuoka, JPN)			<i>Yamanaka (2019) - research on athlete performance and technique- 2019 data book</i>									



date	30-Jun-19	time	5.84	10.48	15.39	20.83	20.83	6 / 5			
reaction time	0.142	interval		4.64	4.91	5.44		# of strides	10.48	10.35	0.13
wind	-1.3 m/s	velocity	8.56	10.78	10.18	9.19	9.60	88.2	9.54	9.66	

**FINAL** - 2019 Seiko Golden Grand Prix (Osaka, JPN) *Hirokawa (2019) - research on athlete performance and technique- 2019 data book*

date	19-May-19	time	5.80	10.40	15.34	20.75	20.75	9 / 5			
reaction time	0.145	interval		4.60	4.94	5.41		# of strides	10.40	10.35	0.05
wind	-0.4 m/s	velocity	8.62	10.87	10.12	9.24	9.64	89.0	9.62	9.66	

**A FINAL** - 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN) *Kobayashi (2019) - research on athlete performance technique- 2019 data book*

date	03-May-19	time	5.96	10.72	15.66	21.05	21.05	7 / 7			
reaction time		interval		4.76	4.94	5.39		# of strides	10.72	10.33	0.39
wind	0.5 m/s	velocity	8.39	10.50	10.12	9.28	9.50	89.5	9.33	9.68	

**FINAL** - 2018 Japanese National Championships (Yamaguchi, JPN) *Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018*

date	24-Jun-18	time	5.88	10.53	15.30	20.46	20.46	9 / 3			
reaction time	0.160	interval		4.65	4.77	5.16	<b>PB</b>	# of strides	10.53	9.93	0.60
wind	0.8 m/s	velocity	8.50	10.75	10.48	9.69	9.78	88.0	9.50	10.07	

**FINAL** - 2018 Seiko Golden Grand Prix (Osaka, JPN) *Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018*

date	20-May-18	time	5.89	10.59	15.53	20.72	20.72	2 / 7			
reaction time	0.143	interval		4.70	4.94	5.19		# of strides	10.59	10.13	0.46
wind	0.9 m/s	velocity	8.49	10.64	10.12	9.63	9.65	86.7	9.44	9.87	

**A FINAL** - 2018 Shizuoka International Meeting (Fukuroi, JPN) *Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018*

date	03-May-18	time	5.98	10.74	15.63	20.88	20.88	9 / 3			
reaction time	0.171	interval		4.76	4.89	5.25		# of strides	10.74	10.14	0.60
wind	0.3 m/s	velocity	8.36	10.50	10.22	9.52	9.58	87.0	9.31	9.86	

**FINAL** - 2017 Japanese National Championships (Osaka, JPN) *Takahashi (2017) - 200m running performance analysis in the 2017 season*

date	25-Jun-17	time	5.89	10.57	15.52	20.87	20.87	2 / 6			
reaction time	0.157	interval		4.68	4.95	5.35		# of strides	10.57	10.30	0.27
wind	0.3 m/s	velocity	8.49	10.68	10.10	9.35	9.58	89.7	9.46	9.71	

**FINAL** - 2015 Japanese National High School Championships (Wakayama, JPN) *Nomoto (2015) - 68th high school championships: JAF scientific committee*

date	01-Aug-15	time	5.55	10.79	15.76	21.21	21.21	6 / 2			
reaction time		interval		5.24	4.97	5.45		# of strides	10.79	10.42	0.37
wind	-1.5 m/s	velocity	9.01	9.54	10.06	9.17	9.43		9.27	9.60	

**FINAL** - 2014 Japanese National High School Championships (Kofu, JPN) *Yanagiya (2014) - research on athlete performance and technique- 2014*

date	02-Aug-14	time	5.61	10.89	15.83	21.27	21.27	3 / 3			
reaction time		interval		5.28	4.94	5.44		# of strides	10.89	10.38	0.51
wind	-1.6 m/s	velocity	8.91	9.47	10.12	9.19	9.40		9.18	9.63	

**Yamata, Kota (JPN)****U20 FINAL** - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN) *Yamata (2019) - research on athlete performance and technique- 2019 data book*

date	20-Oct-19	time	6.10	11.00	16.14	21.61	21.61	7 / 6			
reaction time	0.144	interval		4.90	5.14	5.47		# of strides	11.00	10.61	0.39
wind	-1.2 m/s	velocity	8.20	10.20	9.73	9.14	9.25	96.0	9.09	9.43	

**Yan Haibin (CHN) (2003)****FINAL** - 2019 Chinese World Championships Trials (Shenyang, CHN) *Jiang (2019) - data analysis men's sprint finals the world championships trials*

date	03-Aug-19	time	6.12	10.89	15.97	21.28	21.28	1 / 6			
reaction time		interval		4.77	5.08	5.31		# of strides	10.89	10.39	0.50
wind	0.0 m/s	velocity	8.17	10.48	9.84	9.42	9.40		9.18	9.62	

**Yancy, Dominick (USA) (2001)****Semi-Final 3** - 2024 USA Olympic Trials (Eugene, OR) *USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date	28-Jun-24	time	5.96	10.71	15.59	20.84	20.84	3 / 9			
reaction time		interval		4.75	4.88	5.25		# of strides	10.71	10.13	0.58
wind	2.5 m/s	velocity	8.39	10.53	10.25	9.52	9.60	86.2	9.34	9.87	

**Yang Chun-Hun (TPE) (1997)****Repechage 3** - 2024 Olympic Games (Paris, FRA) *Paris 2024 Olympic Games - Results Book (2024)*

date	06-Aug-24	time	5.91	10.62	15.54	20.73	20.73	6 / 3			
reaction time	0.145	interval		4.71	4.92	5.19		# of strides	10.62	10.11	0.51

wind	0.0 m/s	velocity	8.46	10.62	10.16	9.63	9.65	93.2	9.42	9.89
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**Heat 6 - 2024 Olympic Games (Paris, FRA)***Paris 2024 Olympic Games - Results Book (2024)*

date	05-Aug-24	time	5.85	10.53	15.46	20.83	20.83	8 / 6			
reaction time	0.134	interval		4.68	4.93	5.37		# of strides	10.53	10.30	0.23
wind	0.1 m/s	velocity	8.55	10.68	10.14	9.31	9.60	93.0	9.50	9.71	

**Heat 5 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time	10.75			20.82	20.82	4 / 5			
reaction time	0.135	interval				10.07		# of strides	10.75	10.07	0.68
wind	-0.2 m/s	velocity		9.30		9.93	9.61	94.2	9.30	9.93	

**FINAL - 2019 Seiko Golden Grand Prix (Osaka, JPN)***Hirokawa (2019) - research on athlete performance and technique- 2019 data book*

date	19-May-19	time	5.79	10.45	15.35	20.50	20.50	3 / 2			
reaction time	0.146	interval		4.66	4.90	5.15		# of strides	10.45	10.05	0.40
wind	-0.4 m/s	velocity	8.64	10.73	10.20	9.71	9.76	93.0	9.57	9.95	

**FINAL - 2018 Asian Games (Jakarta, INA)***Takahashi (2018) - 200m Running Performance Analysis of Top Athletes in 2018*

date	29-Aug-18	time	5.76	10.34	15.10	20.23	20.23	4 / 2			
reaction time	0.139	interval		4.58	4.76	5.13	<b>NR PB</b>	# of strides	10.34	9.89	0.45
wind	0.7 m/s	velocity	8.68	10.92	10.50	9.75	9.89	93.2	9.67	10.11	

**FINAL - 2017 Seiko Golden Grand Prix (Kawasaki, JPN)***Takahashi (2017) - 200m running performance analysis in the 2017 season*

date	21-May-17	time	5.88	10.67	15.70	21.61	21.61	8 / 8			
reaction time	0.161	interval		4.79	5.03	5.91		# of strides	10.67	10.94	-0.27
wind	-2.0 m/s	velocity	8.50	10.44	9.94	8.46	9.25	94.5	9.37	9.14	

**FINAL - 2016 Seiko Golden Grand Prix (Kawasaki, JPN)***Takahashi (2016) - performance analysis of the top 200m sprinters in japan & abroad*

date	08-May-16	time	5.94	10.67	15.65	21.05	21.05	8 / 7			
reaction time	0.146	interval		4.73	4.98	5.40		# of strides	10.67	10.38	0.29
wind	-0.6 m/s	velocity	8.42	10.57	10.04	9.26	9.50	91.5	9.37	9.63	

**Yancy, Dominick (USA) (2001)**

	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Heat 4 - 2024 USA Olympic Trials (Eugene, OR)***USATF and Karmarush (2024) - USA Olympic trials results and race analysis*

date	27-Jun-24	time	5.87	10.64	15.64	20.97	20.97	3 / 6			
reaction time		interval		4.77	5.00	5.33		# of strides	10.64	10.33	0.31
wind	1.2 m/s	velocity	8.52	10.48	10.00	9.38	9.54	88.7	9.40	9.68	

**Yaseen, Taha Hussein (IRQ) (1998)**

	50m	100m	150m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**Heat 7 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date	23-Aug-23	time	10.93			21.01	21.01	9 / <del>7</del> 6			
reaction time	0.135	interval				10.08		# of strides	10.93	10.08	0.85
wind	-0.1 m/s	velocity		9.15		9.92	9.52	94.0	9.15	9.92	

**Yasuda, Keigo (JPN) (2000)**

	50m	100m	150m	200m	Official Time	Lane / Place	0-100m	100-200m	Differential
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**FINAL - 2020 Japanese National Championships (Niigata, JPN)***Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020*

date	03-Oct-20	time	5.93	10.67	15.68	21.06	21.06	4 / 6			
reaction time	0.148	interval		4.74	5.01	5.38		# of strides	10.67	10.39	0.28
wind	-0.5 m/s	velocity	8.43	10.55	9.98	9.29	9.50	91.5	9.37	9.62	

**FINAL - 2020 Athlete Night Games (Fukui, JPN)***Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020*

date	29-Aug-20	time	5.93	10.64	15.49	20.71	20.71	4 / 1			
reaction time		interval		4.71	4.85	5.22		# of strides	10.64	10.07	0.57
wind	0.8 m/s	velocity	8.43	10.62	10.31	9.58	9.66	89.5	9.40	9.93	

**FINAL - 2020 Seiko Golden Grand Prix (Tokyo, JPN)***Takahasi (2020) - 200m race analysis of top japanese sprinters in 2020*

date	23-Aug-20	time	5.93	10.73	15.68	20.99	20.99	3 / 4			
reaction time	0.116	interval		4.80	4.95	5.31		# of strides	10.73	10.26	0.47
wind	0.6 m/s	velocity	8.43	10.42	10.10	9.42	9.53	90.2	9.32	9.75	

**C FINAL - 2019 Shizuoka International Athletics Meeting (Fukuroi, JPN)***Kobayashi (2019) - research on athlete performance technique- 2019 data book*

date	03-May-19	time	5.96	10.66	15.64	21.08	21.06	9 / 2			
reaction time		interval		4.70	4.98	5.44		# of strides	10.66	10.42	0.24
wind	-0.2 m/s	velocity	8.39	10.64	10.04	9.19	9.50	90.7	9.38	9.60	

**FINAL - 2018 Japanese National Junior (U20) Championships (Nagano, JPN)***Ryutaro (2018) - research on athlete performance and technique*

date	21-Oct-18	time	5.97	10.71	15.70	21.04	21.04	4 / 2		
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reaction time	0.142	interval	4.74	4.99	5.34		# of strides	10.71	10.33	0.38
wind	0.5 m/s	velocity	8.38	10.55	10.02	9.36	9.51	91.7	9.34	9.68

**Semi-Final 1** - 2018 IAAF World Junior Championships (Tampere, FIN) *Koyama (2018) - research on athlete performance and technique- 2018 data book*

date	12-Jul-18	time	5.97	10.68	15.64	21.28	21.28	8 / 6			
reaction time	0.152	interval	4.71	4.96	5.64			# of strides	10.68	10.60	0.08
wind	-0.6 m/s	velocity	8.38	10.62	10.08	8.87	9.40		9.36	9.43	

**Heat 2** - 2018 IAAF World Junior Championships (Tampere, FIN) *Koyama (2018) - research on athlete performance and technique- 2018 data book*

date	12-Jul-18	time	6.02	10.77	15.75	21.20	21.20	6 / 3			
reaction time	0.139	interval	4.75	4.98	5.45			# of strides	10.77	10.43	0.34
wind	0.4 m/s	velocity	8.31	10.53	10.04	9.17	9.43		9.29	9.59	

**Yearwood, Leevan (GBR) (1988)** **50m** **100m** **150m** **200m** **Official Time** **Lane / Place** **0-100m** **100-200m** **Differential**  
**B FINAL** - 2009 Great CityGames (Manchester, GBR) (150m straightaway) *Jalava (2009) - www.tilastopaja.org*

date	17-May-09	time	10.41	15.29		15.29		/ 2		
reaction time		interval		4.88		<b>PB</b>		# of strides	10.41	
wind	1.1 m/s	velocity	9.61	10.25		9.81			9.61	

**Heat 2** - 2009 Great CityGames (Manchester, GBR) (150m straightaway) *Jalava (2009) - www.tilastopaja.org*

date	17-May-09	time	10.51	15.52		15.52		/ 3		
reaction time		interval		5.01				# of strides	10.51	
wind	0.2 m/s	velocity	9.51	9.98		9.66			9.51	

**Yevgenyev, Aleksandr (URS) (1961)** **50m** **100m** **150m** **200m** **Official Time** **Lane / Place** **0-100m** **100-200m** **Differential**

<b>Semi-Final 1</b> - 1986 European Championships (Stuttgart, FRG) <i>Veney - split times from PJ</i>											
date	28-Aug-86	time	10.44		20.66	20.66		/ 2			
reaction time	0.167	interval			10.22			# of strides	10.44	10.22	0.22
wind	0.0 m/s	velocity	9.58		9.78	9.68			9.58	9.78	

**Yokoyama, Sora (JPN) (2004)** **50m** **100m** **150m** **200m** **Official Time** **Lane / Place** **0-100m** **100-200m** **Differential**

<b>FINAL</b> - 2021 Japanese High School National Championships (Fukui, JPN) <i>Shibayama (2021) - national high school and U20 national championships</i>											
date	31-Jul-21	time	5.76	11.06	15.88	21.01	21.01	2 / 7			
reaction time	0.165	interval	5.30	4.82	5.13			# of strides	11.06	9.95	1.11
wind	3.1 m/s	velocity	8.68	9.43	10.37	9.75	9.52		9.04	10.05	

**Young, Aguston (JAM) (1961)** **50m** **100m** **150m** **200m** **Official Time** **Lane / Place** **0-100m** **100-200m** **Differential**

<b>Quarter-Final 4</b> - 1984 Olympic Games (Los Angeles, CA) <i>Veney - split times from PJ</i>											
date	06-Aug-84	time	10.45		20.75	20.75		7 / 3			
reaction time		interval			10.30			# of strides	10.45	10.30	0.15
wind	-0.3 m/s	velocity	9.57		9.71	9.64			9.57	9.71	

**Young, Isiah (USA) (1990)** **50m** **100m** **150m** **200m** **Official Time** **Lane / Place** **0-100m** **100-200m** **Differential**

<b>FINAL</b> - 2021 Athletissima (Lausanne, SUI) <i>Omega Timing (2021) - diamond league race analysis</i>											
date	26-Aug-21	time	5.9	10.5	15.4	20.34	20.34	2 / <del>6</del>			
reaction time	0.147	interval	4.60	4.90	4.94	<b>DQ</b>		# of strides	10.50	9.84	0.66
wind	3.2 m/s	velocity	8.47	10.87	10.20	10.12	9.83	91.5	9.52	10.16	

**FINAL** - 2017 IAAF World Championships (London, GBR) *Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m*

date	10-Aug-17	time	10.35	15.34	20.49	20.64		4 / 8			
reaction time	0.148	interval		4.99	5.15			# of strides	10.35	10.14	0.21
wind	-0.1 m/s	velocity	9.66	10.02	9.71	9.69		91.7	9.66	9.86	

**Semi-Final 1** - 2017 IAAF World Championships (London, GBR) *Pollitt (2018) - biomechanical report for IAAF World Champs 2017- Men's 200m*

date	09-Aug-17	time	10.14	14.83	19.96	20.12		7 / 1			
reaction time	0.158	interval		4.69	5.13			# of strides	10.14	9.82	0.32
wind	2.1 m/s	velocity	9.86	10.66	9.75	9.94		90.3	9.86	10.18	

**FINAL** - 2017 USATF National Championships (Sheephead, CA) (2017) - speedendurance.com/2017/07/14/200m-splits-from-usa-national-championships/

date	25-Jun-17	time	10.39		20.42	20.42		6 / 5			
reaction time		interval			10.03			# of strides	10.39	10.03	0.36
wind	-2.3 m/s	velocity	9.62		9.97	9.79		91.7	9.62	9.97	

**FINAL** - 2017 Seiko Golden Grand Prix (Kawasaki, JPN) *Takahashi (2017) - 200m running performance analysis in the 2017 season*

date	21-May-17	time	5.91	10.58	15.54	21.11	21.11	3 / 6			
reaction time	0.147	interval	4.67	4.96	5.57			# of strides	10.58	10.53	0.05

wind	-2.0 m/s	velocity	8.46	10.71	10.08	8.98	9.47	93.0	9.45	9.50	
<b>FINAL</b> - 2012 USA Olympic Trials (Eugene, OR)							<i>Hymans (2020) - history of the US olympic trials - track and field</i>				
date	01-Jul-12	time		10.4		20.16	20.16	5 / 3			
reaction time	0.180	interval				9.76		# of strides	10.40	9.76	0.64
wind	2.3 m/s	velocity		9.62		10.25	9.92		9.62	10.25	

<b>Yousho, Nakasho (JPN)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>U18 FINAL</b> - 2019 Japanese National U18/U20 Championships (Hiroshima, JPN) <i>Yama (2019) - research on athlete performance and technique- 2019 data book</i>											
date	20-Oct-19	time	6.04	10.94	16.14	21.67	21.67	7 / 5			
reaction time	0.154	interval		4.90	5.20	5.53		# of strides	10.94	10.73	0.21
wind	-0.5 m/s	velocity	8.28	10.20	9.62	9.04	9.23	94.2	9.14	9.32	

<b>Zariq, Ilyass (MAR) (2004)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>National FINAL</b> - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR) <i>Omega Timing (2023) - diamond league race analysis</i>											
date	28-May-23	time	6.32	11.46	16.88	22.64	22.64	7 / 6			
reaction time	0.200	interval		5.14	5.42	5.76		# of strides	11.46	11.18	0.28
wind	-0.2 m/s	velocity	7.91	9.73	9.23	8.68	8.83		8.73	8.94	

<b>National FINAL</b> - 2022 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR) <i>Omega Timing (2022) - diamond league race analysis</i>											
date	05-Jun-22	time	6.38	14.42	17.20	22.99	22.99	8 / 8			
reaction time	0.170	interval		8.04	2.78	5.79		# of strides	14.42	8.57	5.85
wind	-0.6 m/s	velocity	7.84	6.22	17.99	8.64	8.70		6.93	11.67	

<b>Zenk, Hans-Joachim (GDR) (1952)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>FINAL</b> - 1972 Olympic Games (Munich, FRG) <i>Gundlach (1973) - beobachtungsergebnisse in der leichtathletik</i>											
date	04-Sep-72	time		10.92		21.05	21.05	7 / 8			
reaction time		interval				10.13		# of strides	10.92	10.13	0.79
wind	0.0 m/s	velocity		9.16		9.87	9.50		9.16	9.87	

<b>Zerhouni, Mohamed (MAR) (1999)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>200m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>		
<b>National FINAL</b> - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR) <i>Omega Timing (2023) - diamond league race analysis</i>											
date	28-May-23	time	6.25	11.20	16.34	21.87	21.87	2 / 2			
reaction time	0.141	interval		4.95	5.14	5.53		# of strides	11.20	10.67	0.53
wind	-0.2 m/s	velocity	8.00	10.10	9.73	9.04	9.14		8.93	9.37	

<b>Zeze, Mickael-Méba (FRA) (1994)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>			
<b>FINAL</b> - 2022 Herculis Meeting International d'Athlétisme (Monaco, MON) <i>Omega Timing (2022) - diamond league race analysis</i>											
date	10-Aug-22	time	5.80	10.48	15.44	20.78	20.78	1 / 8			
reaction time	0.156	interval		4.68	4.96	5.34		# of strides	10.48	10.30	0.18
wind	0.8 m/s	velocity	8.62	10.68	10.08	9.36	9.62	93.5	9.54	9.71	

<b>FINAL</b> - 2019 Meeting de Paris (Paris, FRA) <i>Omega Timing (2019) - diamond league race analysis</i>											
date	24-Aug-19	time	5.9	10.6	15.6	20.88	20.88	1 / 7			
reaction time	0.147	interval		4.7	5.0	5.28		# of strides	10.60	10.28	0.32
wind	0.2 m/s	velocity	8.47	10.64	10.00	9.47	9.58	92.2	9.43	9.73	

<b>Zeze, Ryan (FRA) (1998)</b>	<b>50m</b>	<b>100m</b>	<b>150m</b>	<b>Official Time</b>	<b>Lane / Place</b>	<b>0-100m</b>	<b>100-200m</b>	<b>Differential</b>			
<b>FINAL</b> - 2024 Memorial van damme (Brussels, BEL) <i>Omega Timing (2024) - diamond league race analysis</i>											
date	14-Sep-24	time	5.95	10.70	15.66	21.20	21.20	1 / 8			
reaction time	0.136	interval		4.75	4.96	5.54		# of strides	10.70	10.50	0.20
wind	0.7 m/s	velocity	8.40	10.53	10.08	9.03	9.43	89.0	9.35	9.52	

<b>Semi-Final 1</b> - 2024 Olympic Games (Paris, FRA) <i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	07-Aug-24	time	5.96	10.60	15.51	20.81	20.81	3 / 7			
reaction time	0.138	interval		4.64	4.91	5.30		# of strides	10.60	10.21	0.39
wind	-0.1 m/s	velocity	8.39	10.78	10.18	9.43	9.61	88.7	9.43	9.79	

<b>Repechage 3</b> - 2024 Olympic Games (Paris, FRA) <i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	06-Aug-24	time	5.84	10.43	15.25	20.40	20.40	7 / 1			
reaction time	0.142	interval		4.59	4.82	5.15		# of strides	10.43	9.97	0.46
wind	0.0 m/s	velocity	8.56	10.89	10.37	9.71	9.80	88.7	9.59	10.03	

<b>Heat 1</b> - 2024 Olympic Games (Paris, FRA) <i>Paris 2024 Olympic Games - Results Book (2024)</i>											
date	05-Aug-24	time	5.78	10.37	15.20	20.49	20.49	7 / 4			
reaction time	0.141	interval		4.59	4.83	5.29		# of strides	10.37	10.12	0.25

wind 0.1 m/s velocity 8.65 10.89 10.35 9.45 9.76 88.2 9.64 9.88

**FINAL - 2024 Herculis Meeting International d'Athlétisme (Monaco, MON)***Omega Timing (2024) - diamond league race analysis*

date 12-Jul-24 time 5.91 10.58 15.42 20.56 20.56 1 / 7  
 reaction time 0.126 interval 4.67 4.84 5.14 # of strides 10.58 9.98 0.60  
 wind 0.6 m/s velocity 8.46 10.71 10.33 9.73 9.73 88.7 9.45 10.02

**FINAL - 2024 Meeting de Paris (Paris, FRA)***Omega Timing (2024) - diamond league race analysis*

date 07-Jul-24 time 5.92 10.53 15.37 20.46 20.46 5 / 3  
 reaction time 0.142 interval 4.61 4.84 5.09 # of strides 10.53 9.93 0.60  
 wind -0.4 m/s velocity 8.45 10.85 10.33 9.82 9.78 88.0 9.50 10.07

**Heat 7 - 2023 World Athletics Championships (Budapest, HUN)***Seiko Timing (2023) - world championship race analysis*

date 23-Aug-23 time 10.46 20.16 20.16 2 / ~~3~~  
 reaction time 0.136 interval 9.70 **DQ** # of strides 10.46 9.70 0.76  
 wind -0.1 m/s velocity 9.56 10.31 9.92 87.0 9.56 10.31

**Zghali, Abdelghani (MAR) (1993)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****National FINAL - 2023 Meeting International Mohammed VI d'Athlétisme (Rabat, MAR)***Omega Timing (2023) - diamond league race analysis*

date 28-May-23 time 6.18 11.19 16.45 22.32 22.32 6 / 4  
 reaction time 0.146 interval 5.01 5.26 5.87 # of strides 11.19 11.13 0.06  
 wind -0.2 m/s velocity 8.09 9.98 9.51 8.52 8.96 8.94 8.98

**Zhang Ruixuan (CHN) (1996)****50m 100m 150m 200m Official Time Lane / Place 0-100m 100-200m Differential****FINAL - 2017 National Games (Tianjin, CHN)***Jiang (2017.09.05) - <https://twitter.com/pjvazel>*

date 05-Sep-17 time 10.57 20.78 20.78 / 3  
 reaction time interval 10.21 # of strides 10.57 10.21 0.36  
 wind -0.2 m/s velocity 9.46 9.79 9.62 9.46 9.79